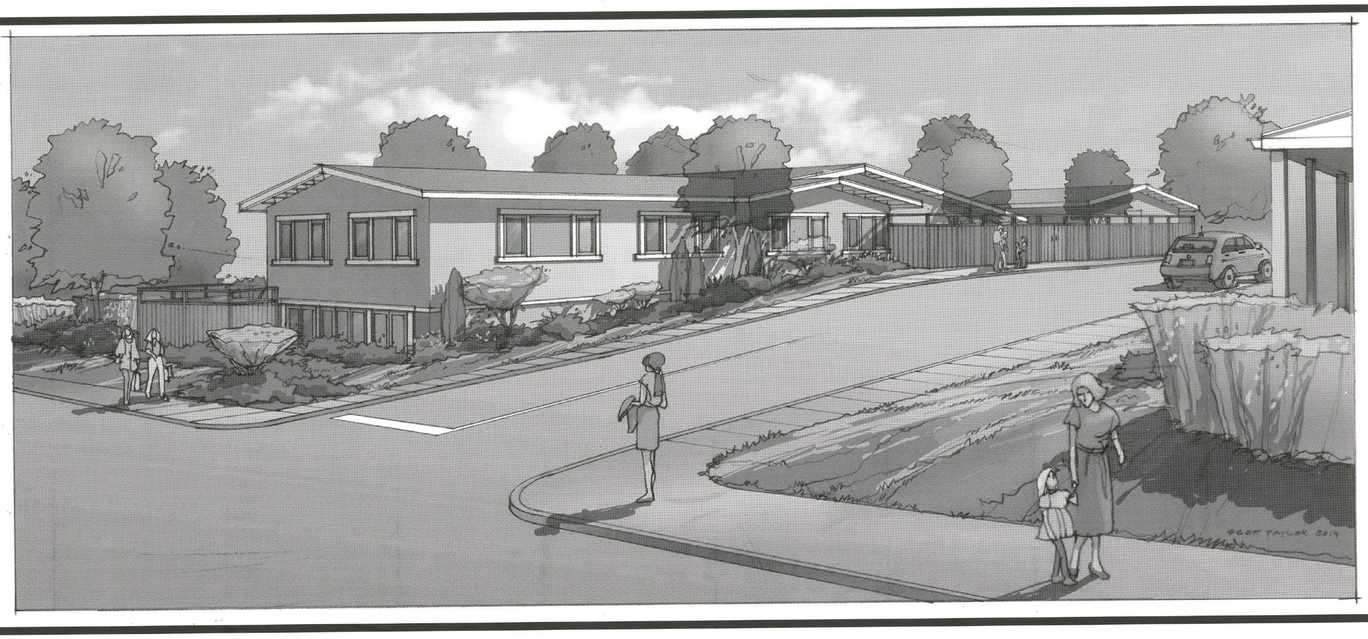
SERENITY HOUSE



CONSTRUCTION DOCUMENTS BID SET

DRAWING INDEX			
Construction Package	NUMBER	SHEET NAME	Discipline Order
1-GENERAL			
	A000	COVER SHEET	1-GENERAL
	A010	GENERAL NOTES, ABBREVIATIONS AND SYMBOLS	1-GENERAL
	A011	CODE INFORMATION	1-GENERAL
2-CIVIL			
	C100	TITLE SHEET, NOTES, LEGEND, AND ABBREVIATIONS	2-CIVIL
	C200	EXISTING CONDITIONS	2-CIVIL
	C300	DEMOLITION PLAN	2-CIVIL
	C400	HORIZONTAL CONTROL PLAN	2-CIVIL
	C401	GRADING, DRAINAGE, AND UTILITY PLAN	2-CIVIL
	C500	STORM WATER CONTROL PLAN	2-CIVIL
	C600	EROSION CONTROL PLAN	2-CIVIL
	C700	CONSTRUCTION DETAILS	2-CIVIL
	C701	CONSTRUCTION DETAILS	2-CIVIL
	C702	CONSTRUCTION DETAILS	2-CIVIL
3-LANDSCAPE			
	L001	LANDSCAPE NOTES	3-LANDSCAPE
	L101	CONSTRUCTION PLAN	3-LANDSCAPE
	L102	FENCE PLAN	3-LANDSCAPE
	L103	SITE SECTIONS	3-LANDSCAPE
	L201	LAYOUT PLAN	3-LANDSCAPE
	L301	CONSTRUCTION DETAILS	3-LANDSCAPE
	L302	CONSTRUCTION DETAILS	3-LANDSCAPE
	L303	CONSTRUCTION DETAILS	3-LANDSCAPE
	L400	PLANTING LEGEND	3-LANDSCAPE
	L401	PLANTING PLAN	3-LANDSCAPE
	L402	PLANTING DETAILS	3-LANDSCAPE
	L501	IRRIGATION PLAN, NOTES, & LEGEND	3-LANDSCAPE
	L502	IRRIGATION DETAILS	3-LANDSCAPE
	L503	IRRIGATION DETAILS	3-LANDSCAPE
4-ARCHITECTURAL			
	A020	SITE EGRESS AND LIFE SAFETY PLANS	4-ARCHITECTURAL
	A030	ACCESIBILITY PLAN	4-ARCHITECTURAL
	A060	DOOR AND WINDOW SCHEDULE AND INTERIOR WALL TYPES (TYP.)	4-ARCHITECTURAL
	A100	DEMOLITION PLAN - BASEMENT	4-ARCHITECTURAL
	A101	DEMOLITION PLAN - LEVEL 1	4-ARCHITECTURAL
	A102	DEMOLITION ROOF PLAN	4-ARCHITECTURAL
	A103	DEMOLITION EXTERIOR ELEVATIONS - MAIN BUILDING	4-ARCHITECTURAL
	A104	DEMOLITION EXTERIOR ELEVATIONS - ADMINISTRATION BUILDING	4-ARCHITECTURAL
	A200	CONSTRUCTION FLOOR PLAN - BASEMENT	4-ARCHITECTURAL
	A201	CONSTRUCTION FLOOR PLAN - LEVEL 1	4-ARCHITECTURAL
	A202	ROOF PLAN	4-ARCHITECTURAL
	A210	ENLARGED FLOOR PLANS	4-ARCHITECTURAL

DRAWING INDEX			
Construction Package	NUMBER	SHEET NAME	Discipline Order
	A300	REFLECTED CEILING PLAN - BASEMENT	4-ARCHITECTURAL
	A301	REFLECTED CEILING PLAN - LEVEL 1	4-ARCHITECTURAL
	A400	EXTERIOR ELEVATIONS - MAIN BUILDING	4-ARCHITECTURAL
	A401	EXTERIOR ELEVATOINS - ADMINISTRATION BUILDING	4-ARCHITECTURAL
	A410	BUILDING SECTIONS	4-ARCHITECTURAL
	A420	WALL SECTIONS	4-ARCHITECTURAL
	A430	INTERIOR DOOR, WINDOW, AND PARTITION DETAILS	4-ARCHITECTURAL
	A431	EXTERIOR DOOR, WINDOW, AND PARTITION DETAILS	4-ARCHITECTURAL
	A450	ROOF AND TRELLIS DETAILS	4-ARCHITECTURAL
	A500	ENLARGED LIFT SECTIONS AND DETAILS	4-ARCHITECTURAL
	A600	TYPICAL MOUNTING HEIGHTS AND SIGNAGE	4-ARCHITECTURAL
	A630	TYPICAL INTERIOR DETAILS	4-ARCHITECTURAL
	A670	TYPICAL GYP CEILING / SOFFIT DETAILS	4-ARCHITECTURAL
	A680	CASEWORK DETAILS / INTERIOR MILLWORK	4-ARCHITECTURAL
	A700	INTERIOR ELEVATIONS - BASEMENT	4-ARCHITECTURAL
	A701	INTERIOR ELEVATIONS - LEVEL 1	4-ARCHITECTURAL
5-INTERIORS			
	I200	FINISH PLAN	5-INTERIORS
	I400	FURNITURE AND EQUIPMENT PLAN - BASEMENT	5-INTERIORS
	I401	FURNITURE AND EQUIPMENT PLAN - LEVEL 1	5-INTERIORS
6-STRUCTURAL			
	S001	GENERAL STRUCTURAL NOTES AND ABBREVIATIONS	6-STRUCTURAL
	S100	PARTIAL SITE PLAN AND DETAILS	6-STRUCTURAL
	S200	MAIN BUILDING BASEMENT PLAN & FIRST FLOOR FRAMING PLAN	6-STRUCTURAL
	S201	ADMINISTRATION BUILDING FOUNDATION PLAN AND FRAMING	6-STRUCTURAL
	S800	TYPICAL WOOD STUD WALL FRAMING DETAILS	6-STRUCTURAL
7-MECHANICAL			
	M0.01	SYMBOL LIST AND GENERAL NOTES - HVAC	7-MECHANICAL
	M0.02	SCHEDULES - HVAC	7-MECHANICAL
	M0.03	TITLE 24 - HVAC	7-MECHANICAL
	M0.04	TITLE 24 - HVAC	7-MECHANICAL
	MD2.00	DEMOLITION PLAN - BASEMENT HVAC	7-MECHANICAL
	MD2.01	DEMOLITION PLAN - LEVEL 1	7-MECHANICAL
	MD2.02	DEMOLITION ROOF PLAN - HVAC	7-MECHANICAL
	M2.00	FLOOR PLAN - BASEMENT - HVAC	7-MECHANICAL
	M2.01	FLOOR PLAN - LEVEL 1 - HVAC	7-MECHANICAL
	M2.02	ROOF PLAN - HVAC	7-MECHANICAL
	M3.01	DETAILS - HVAC	7-MECHANICAL

DRAWING INDEX			
Construction Package	NUMBER	SHEET NAME	Discipline Order
8-ELECTRICAL			
	E0.01	SYMBOL LIST AND GENERAL NOTES - ELECTRICAL	8-ELECTRICAL
	E0.02	LUMINAIRE SCHEDULE - ELECTRICAL	8-ELECTRICAL
	E0.03	TITLE 24 - ELECTRICAL	8-ELECTRICAL
	E0.04	TITLE 24 - ELECTRICAL	8-ELECTRICAL
	E0.05	TITLE 24 - ELECTRICAL	8-ELECTRICAL
	E1.00	SITE PLAN - LIGHTING	8-ELECTRICAL
	ED2.00	DEMOLITION PLAN - BASEMENT - ELECTRICAL	8-ELECTRICAL
	ED2.01	DEMOLITION PLAN - LEVEL 1 - ELECTRICAL	8-ELECTRICAL
	E2.00	FLOOR PLAN - BASEMENT - LIGHTING	8-ELECTRICAL
	E2.01	FLOOR PLAN - LEVEL 1 - LIGHTING	8-ELECTRICAL
	E3.00	FLOOR PLAN - BASEMENT - POWER	8-ELECTRICAL
	E3.01	FLOOR PLAN - LEVEL 1 - POWER	8-ELECTRICAL
	E3.02	ROOF PLAN - POWER	8-ELECTRICAL
	E4.01	DETAILS - ELECTRICAL	8-ELECTRICAL
	E4.02	DETAILS - ELECTRICAL	8-ELECTRICAL
	E5.01	SINGLE-LINE DIAGRAMS - ELECTRICAL	8-ELECTRICAL
	E5.02	PANEL SCHEDULES - ELECTRICAL	8-ELECTRICAL
9-PLUMBING			
	P0.01	SYMBOL LIST AND GENERAL NOTES - PLUMBING	9-PLUMBING
	P0.02	SCHEDULES - PLUMBING	9-PLUMBING
	PD2.00	DEMOLITION PLAN - BASEMENT - PLUMBING	9-PLUMBING
	PD2.01	DEMOLITION PLAN - LEVEL 1 - PLUMBING	9-PLUMBING
	P2.00	FLOOR PLAN - BASEMENT - PLUMBING	9-PLUMBING
	P2.01	FLOOR PLAN - LEVEL 1 - PLUMBING	9-PLUMBING
	P2.02	ROOF PLAN - PLUMBING	9-PLUMBING
Grand total: 98			

NOTES (TYPICAL/GENERAL - APPLY TO ALL SHEETS WHERE OCCUR):

NO PLASTIC PLUMBING ALLOWED WITHIN BUILDING OR FOR WATER SERVICE

ALL FOUNDATION EXCAVATIONS DUG INTO DARK, EXPANSIVE SOIL SHALL EXTEND 30" BELOW THE ADJACENT GRADE OR UNTIL LIGTER COLORED COMPETENT UNDERLYING MATERIAL IS ENCOUNTERED.

COUNTY OF SAN MATEO
FOUNDED 1856

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND
BEHAVIORAL HEALTH AND RECOVERY SERVICES

HGA

Architecture | Engineering | Planning
Hammel, Green and Abrahamson, Inc.
170 Maiden Lane, Fifth Floor
San Francisco, California USA 94108
Telephone 415.814.6910 Facsimile 415.962.2598

HGA COMMISSION NUMBER: 3505-003-01

FEBRUARY 5, 2016

1 Change Oder 01 - August 26, 2016

CONSULTANTS

ADDRESS MUST BE POSTED SO THAT IT IS PLAINLY VISIBLE FROM THE STREET

STRUCTURAL
HGA
1200 R STREET, SUITE 100
SACRAMENTO, CA 95811
PH: (916) 787-5100

ALL FOUNDATION EXCAVATIONS DUG INTO DARK, EXPANSIVE SOIL SHALL EXTEND 30" BELOW THE ADJACENT GRADE OR UNTIL LIGHTER COLORED COMPETENT UNDERLYING MATERIAL IS ENCOUNTERED.

MECHANICAL, ELECTRICAL, PLUMBING
INTERFACE ENGINEERING, INC.
135 MAIN STREET, SUITE 400
SAN FRANCISCO, CA 94105
PH: (415) 489-3213

NO GRADING SHOWN ON PLANS. NONE TO BE ACCOMPLISHED ON SITE.

CIVIL ENGINEER
BKF
255 SHORELINE DRIVE #200
REDWOOD CITY, CA 94065
PH: (650) 482-6300

NO PLASTIC PLUMBING ALLOWED WITHIN BUILDING OR FOR WATER SERVICE

LANDSCAPE ARCHITECT
RHAA
225 MILLER AVENUE
MILL VALLEY, CA 94941
PH: (415)383-7900

VICINITY MAP:

PROJECT SITE:
3701 HACIENDA ST.
SAN MATEO, CA 94403



APPROVED PLAN
SEP 30 2016
BY
SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY
TO REMAIN ON
SITE AT ALL TIMES

REVISION
SEP 06 2016
San Mateo County
Building Inspection

4-30-2017

A000

© COPYRIGHT HAMMEL, GREEN AND ABRAHAMSON, INC.

9:16:40:28 AM

CALIFORNIA GREEN BUILDING CODE REQUIREMENTS
REFER TO COMPLETE CALIFORNIA GREEN BUILDING STANDARDS CODIES California Code of Regulations
Title 24, Part 11and sheets A011

1.CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

A. Construction waste management.
   a. Recycle and/or salvage for reuse a minimum of 50 percent of the nonhazardous construction and demolition waste in accordance with CGC Section5.408.1.1,5.408.1.2 or 5.408.1.3
B. Construction waste management plan.
   a. Contractor to submit a construction waste management plan that identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.
   b. Determine if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).
   c. Identify diversion facilities where construction and demolition waste material collected will be taken.
   d. Specify the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.
C. Waste management company.
   a. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.
   b. The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.
D. Waste stream reduction alternative.
   a. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 50 percent minimum requirement as approved by the enforcing agency.
E. Documentation.
   a. Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1 through 5.408.1.3.
   b. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the

2. POLLUTANT CONTROL
A. Temporary ventilation.
   a. The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30 percent based on ASHRAE 52.1-1992. Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction.
B. Covering of duct openings and protection of mechanical equipment During construction.
   a. At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.
C. Finish material pollutant control.
   a. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.4.
D. Adhesives, sealants and caulks.
   a. Adhesives,sealants, and caulks used on the project shall meet the requirements of the following standards:
      1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.
      2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of *California Code of Regulations*, Title 17, commencing with Section 94507.
E. Paints and coatings.
   a.Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure,as shown in Table 5.504.4.3. unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, N onflat or N onflat -High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.35 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, N onflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

8 CALIFORNIA GREEN BUILDING CODE REQUIREMENTS
1" = 1'-0"

A
A	AIR
A/C	AIR CONDITIONING
A/E	ARCHITECT/ENGINEER
AB	ANCHOR BOLT
ABV	ABOVE
AC	ACRE(S)
AC FL	ACCESS FLOORING
ACC	ACCESS(IBLE) (ORIES)
ACOUS	ACOUSTICAL
ACS	AUTOMATIC CONTROL SYSTEM
ACT	ACOUSTIC CEILING TILE
AD	AREA DRAIN
ADC	ACCESS DOOR - CEILING
ADE	ACCESS DOOR - EXTERIOR
ADD	ADDENDUM
ADDL	ADDITIONAL
ADF	ACCESS DOOR - FLOOR
ADG	ALGEBRAIC DIFFERENCE IN GRADE
ADH	ADHESIVE
ADJ	ADJUSTABLE
ADJC	ADJACENT
AES	ARCHITECTURALLY EXPOSED FABRICATION STEEL
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISH FLOOR
AFO	ACCORDIAN FOLDING DOORS
AL	ALUMINUM
ALT	ALTERNATE
ANC	ANCHOR(AGE)
ANOD	ANODIZED
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECT(URAL)
AUTO	AUTOMATIC
AV	AUDIO VISUAL
AVG	AVERAGE

B
BD	BOARD
BEL	BELOW
B/E	BOTTOM OF FOOTING ELEVATION
BLDG	BUILDING
BLE	BRICK LEDGE ELEVATION
BLKG	BLOCKING
BM	BEAM
BOT	BOTTOM
BR	BACKER ROD
BRDG	BRIDGING
BPG	BEARING
BRKT	BRACKET
BTW	BETWEEN
BW	BOTH WAYS

C
C	AMERICAN STD CHANNEL (STRUC SHAPE)
C/C	CENTER TO CENTER
CAB	CABINET
CCTV	CLOSED CIRCUIT TELEVISION
CEN	CENTER (TRAL)
CHAM	CHAMFER
CIP	CAST IN PLACE
CIR	CIRCLE
CJ	CONTROL/CONSTRUCTION JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR(ANCE)
CNR	CORNER
CNTR	COUNTER
COL	COLUMN
COMB	COMBINATION
COMP	COMPOSITE
COMPU	COMPUTER
CONC	CONCRETE
COND	CONDITION
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUE(OUS) (ATION)
CONTR	CONTRACT(OR)
COP	COPING
CORR	CORRIDOR
CP	CONSTRUCTION PACKAGE
CPU	CENTRAL PROCESSING UNIT
CRS	COURSE(S)
CS	CLINICAL SINK
CSK	COUNTER (SINK) (SUNK)
CUH	CABINET UNIT HEATER

D
D	DATA OUTLET
D	DEEP, DEPTH
D & E	DRILL AND EPOXY GROUT
DBA	DEFORMED BEARING ELEVATION
DBE	DECK BEARING ELEVATION
DBL	DOUBLE
DEG	DEGREE(S)
DEMO	DEMOLISH) (LITION)
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIF	DIFFERENCE(IC) (TIAL)
DIFF	DIFFUSER
DIM	DIMENSION
DIST	DISTRIBUTE (ION)
DIV	DIV(IDE) (DED) (DER) SION)
DJ	DIE/LECTION JOINT
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DOC	DOCUMENT(S)
DR	DOOR
DS	DOWNSPOUT
DWG(S)	DRAWING(S)
DWL	DOWEL (REBAR)

E
E	EAST, EASTING
EA	EACH
EF	EACH FACE
EHD	ELECTRICA HAND DRYER
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC (AL)
EMER	EMERGENCY
ENCL	ENCLOSE(ED)(URE)
ENGR	ENG(INEER(S)
ENTR	ENTRANCE

E
(E)	EXISTING
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EX	EXAMPLE
EXC	EXCAVAT(E) (ED) (ION)
EXCL	EXCLUDE) (ED) (ING)
EXCP	EXCEPT
EXG	EXISTING
EXH	EXHAUST
EXP	EXPAN(D) (SION)
EXT	EXTERIOR

F
F	FARENHEIT
F/F	FACE TO FACE
FA	FIRE ALARM
FAB	FABRICAT(E) (ED) (OR)
FAS	FASTEN(ED) (ER)
FC(S)	FACE(S)
FD	FLOOR DRAIN
FDN	FOUNDATION
FDV	FIRE DEPARTMENT VALVE
FF	FINISH FLOOR
FFE	FINISH FLOOR ELEVATION
FGL	FIBERGLASS
FLASH	FLASHING
FLEX	FLEXIBLE
FLG	FLANGE
FLR	FLOOR(ING)
FLTL	FIXED (INTEL
FOW	FACE OF WALL
FR	FRAME
FS	FAR SIDE
FS	FOOTING STEP
FT	FOOT, FEET
FTG	FOOTING
FTG	FINNED TUBE RADIATION
FURG	FURRING

G
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GENL	GENERAL
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GLB	GLUE LAMINATED BEAM
GND	GROUND
GR	GRADE
GRL	GRILLE
GRV	GAVITY ROOF VENTILATOR
GSKT	GASKET

H
H	HIGH, HEIGHT
HB	HOSE BIB
HD	HEAD
HD	HEAVY DUTY
HDR	HEADER
HDWD	HARDWOOD
HDWE	HARDWARE
HM	HOLLOW METAL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HPT	HIGH POINT
HR	HANDRAIL(S)
HR	HOUR
HSS	HOLLOW STRUCTURAL SECTION (SRUC SHAPE)
HTG	HEATING
HTR	HEATER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING

I
ID	INSIDE DIAMETER/DIMENSION
IF	INSIDE FACE
IN	INCH(ES)
INCL	INCLU(DE) (DING) (SIVE)
INFO	INFORMATION
INSUL	INSULAT(E) (ED) (ION)
INT	INTERIOR

J
JBE	JOIST BEARING ELEVATION
JC	JANITOR CLOSET
JS	JANITOR'S SINK
JST	JOIST
JT	JOINT

K
K	KIP (1000 POUNDS)
KIT	KITCHEN
KO	KNOCK OUT
KS	KNEE SPACE
KYBD	KEYBOARD

L
L	ANGLE (STRUC SHAPE)
L	LONG, LENGTH
LAM	LAMINAT(E) (ED) (ION)
LAV	LAVATORY
LB	POUND
LF	LINEAL FOOT, FEET
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLTL	LOOSE LINTEL
LLV	LONG LEG VERTICAL
LOC	LOCAT(E) (ION)
LONG	LONGITUDINAL(LY)
LPT	LOW POINT
LT	LIGHT
LTG	LIGHTING
LTL	LINTEL
LVL	LEVEL
LW	LIGHTWEIGHT

M
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MBR	MEMBER
MC	MISCELLANEOUS CHANNEL (STRUC SHAPE)
MECH	MECHANIC(ALLY)
MED	MEDIUM
MEMB	MEMBRANE
MET	METAL
MEZZ	MEZZANINE
MFD	MANUFACTURED
MFR	MANUFACTURER
MGR	MANAGER
MIN	MINIMUM
MIN	MINUTE
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MON	MONITOR
MOR	MORTAR
MT(D)	MOUNT(ED)
MUL	MULLION
MWO	MICROWAVE OVEN

N
(N)	NEW
N	NITROGEN
N	NORTH, NORTHING
N/A	NOT APPLICABLE
NECRY	NECESSARY
NIC	NOT IN CONTRACT
NO	NUMBER
NO2	NITROUS OXIDE
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NS	NEAR SIDE
NSG	NON-SHRINK GROUT
NTS	NOT TO SCALE
NW	NORMAL WEIGHT

O
O	OXYGEN
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER/DIMENSION
OF	OUTSIDE FACE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OFVI	OWNER FURNISHED, VENDOR INSTALLED
OH	OVERHEAD
OPG	OPENING
OPP	OPPOSITE
OPT	OPTION(AL)
OS	OVERFLOW SCUPPER

P
PA	PUBLIC ADDRESS
PAR	PARALLEL
PB	PANIC BAR
PB	PUSH BUTTON
PR(S)	PIECE(S)
PCF	POUNDS PER CUBIC FOOT
PERF	PERFORATE(D)
PERIM	PERIMETER
PERM	PERMANENT(LY)
PERP	PERPEND(ICULAR
PFB	PREFABRICATE(D)
PFN	PREFINISH (ED)
PL	PLATE
PL	PROPERTY LINE
PLF	POUNDS PER LINEAL FOOT
PNL	PANEL
POL	POLISH(ED)
PR	PAIR
PROJ	PROJECT(ION) (OR)
PROP	PROPERTY
PRV	POWER ROOF VENTILATOR
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT
PT	POST TENSION(ED) (ING)
PTD	PAINTED
PTN	PARTITION
PTS	PNEUMATIC TUBE STATION

Q
QTY	QUANTITY

R
R	RADIUS, RADII
R	RISER
R AND R	REMOV(ED) AND REPLACE(D)
RA	RETURN AIR
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REC	RECOMMENDED(ED)
REF	REFER(ENCE)
REFR	REFRIGERAT(OR) (ED)
REG	REGISTER
REINF	REINFORC(E) (ED) (ING) (EMENT)
REM	REMOV(E) (ED) (ABLE)
REQD	REQUIRED
REQM	REQUIREMENT(S)
RET	RETURN(ED)
REV	REVISE(E) (ED) (ION)
RM	ROOM
RO	ROUGH OPENING
RVS	REVERSE(D)
RWL	RAIN WATER LEADER

S
S	SHAPE (STRUC SHAPE)
S	SOUTH SOUTHING
SA	SUPPLY AIR
SBLK	SPLASH BLOCK
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT/FEET
SHR	SHOWER
SHT	SHEET(ING)
SHTG	SHEATING
SIM	SIMILAR
SKLT	SKYLIGHT(S)
SL(R)	SEAL(ER)
SMS	SHEET METAL SCREWS
SOG	SLAB ON GRADE
SP(S)	SPACE(S)
SPEC(S)	SPECIFICATION(S)
SPKR	SPEAKER
SQ	SQUARE
SRCJ	SPECIALLY ROUGHENED CONSTR JT
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STIF	STIFFENER
STL	STEEL
STOR	STORAGE
STRUC	STRUCTURE(D) (AL)
SUSP	SUSPEN(D) (DED) (SION)
SW	SWITCH
SYM	SYMMETR(Y) (ICAL)
SYS	SYSTEM(S)

T
T	THERMOSTAT
T	TOILET
T	TREAD
T & B	TOP AND BOTTOM
T & G	TONGUE AND GROOVE
TCI	TELEPHONE DATA OUTLET
TBE	TOP OF BEAM ELEVATION
TCE	TOP OF PILE CAP (CAISSON) ELEVATION
TD	TRENCH DRAIN
TDE	TOP OF DECK ELEVATION
TEL	TELEPHONE
TEMP	TEMPERATURE
TEMP	TEMPORARY
TERM	TERMINAL) (TE) (TION)
TFE	TOP OF FOOTING ELEVATION
THK	THICKNESS)
THR	THRESHOLD
TJE	TOP OF JOIST ELEVATION
TLE	TOP OF LEDGE ELEVATION
TME	TOP OF MASONRY ELEVATION
TMP	TEMPERED
TPE	TOP OF PIER ELEVATION
TR	TRANSOM
TRANS	TRANSITION
TRANSL	TRANSLUCENT
TRANSP	TRANSPARENT
TRANSV	TRANSVERSE
TS	TACKABLE SURFACE
TS	TALL STORAGE
TSE	TOP OF SLAB ELEVATION
TV	TELEVISION
TWE	TOP OF WALL ELEVATION
TYP	TYPICAL

U
UC	UNDER CABINET
UG	UNDERGROUND
UNFIN	UNFINISH(ED)
UNO	UNLESS NOTED OTHEWISE
UR	URINAL
UTIL	UTILITY
UV	ULTRAVIOLET

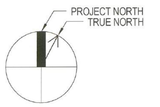
V
V	VALVE
V	VENT
VAC	VACUUM
VAR	VAR(Y) (IES) (IATION)
VBRI	VIEW BOX ROUGH IN
VEN	VENEER
VENT	VENTILAT(ION) (OR)
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VOL	VOLUME
VP	VENEER PLASTER
VSL	VACUUM BOTTLE SLIDE

W
W	W SHAPE (STRUC SHAPE)
W	WEST, WESTING
W	WIDE, WIDTH
W/	WITH
W/O	WITHOUT
WC	WALL CABINET
WC	WATER CLOSET
WD	WOOD
WH	WALL HYDRANT
WH	WATER HEATER
WL	WIND LOAD
WP	WATERPROOF
WPT	WORK(ING) POINT
WSCT	WAINSCOT
WSG	WEATHERSTRIPPING
WT	STRUCTURAL TEE (STRUC SHAPE)
WT	WEIGHT
WWF	WELDED WIRE FABRIC

X
XP(D)	EXPOSE(D)

SPECIAL SYMBOLS			
@	AT	⊥	PERPENDICULAR
℄	CENTERLINE	#	NUMBER
Ø	DIAMETER	/	PER

6 ARCHITECTURAL ABBREVIATIONS
1 : 1



9 NORTH ARROW LEGEND
1" = 1'-0"

ACOUSTIC TILE	METAL
ASPHALT CONCRETE	PLASTER OR GYPSUM BOARD
BLANKET INSULATION	QUARRY TILE
CARPET (LARGE SCALE)	RIGID INSULATION
CERAMIC TILE	STONE - EXTERIOR
CONCRETE	SOLID WOOD FINISHED
CONCRETE MASONRY UNIT	TERRAZZO
EARTH	WOOD BLOCKING - CONTINUOUS
EXISTING CONSTRUCTION	WOOD BLOCKING - INTERRUPTED
FACEBRICK	WOOD SHEATHING
GRANULAR MATERIAL	MARBLE
GASKET (LARGE SCALE)	

7 ARCHITECTURAL MATERIAL DESIGNATIONS
1 : 1

SHEET NUMBER EXPLANATION

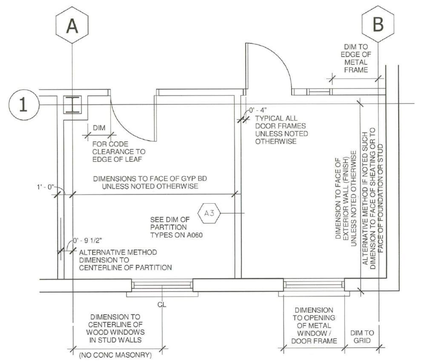
1. ARCHITECTURAL
THIS CHARACTER DENOTES THE SHEET IS AN ARCHITECTURAL DRAWING.

2. SHEET TYPE
THIS CHARACTER DENOTES THE TYPE OF INFORMATION ON THE SHEET
0. GENERAL INFORMATION
1. DEMOLITION PLANS
2. FLOOR PLANS
3. CEILING PLANS
4. EXTERIOR DETAILING AND SECTIONS
5. VERTICAL CIRCULATION
6. INTERIOR DETAILING
7. INTERIOR ELEVATIONS

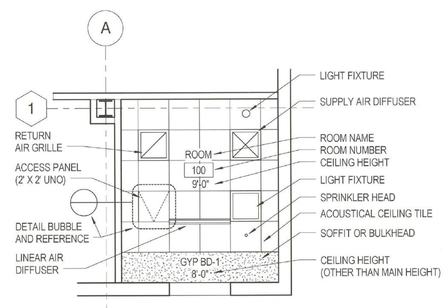
SHEET NUMBER EXAMPLE: A234
1. ARCHITECTURAL
2. SHEET TYPE
3. FLOOR NUMBER

3. FLOOR NUMBER (OF MODIFIER)
THESE CHARACTERS DENOTE EITHER THE NUMBER OF THE FLOOR SHOWN ON THE SHEET OF THE NEXT SEQUENTIAL NUMBER OF THAT SERIES OF SHEETS.

5 ARCHITECTURAL SHEET NUMBER DESIGNATIONS
1 : 1

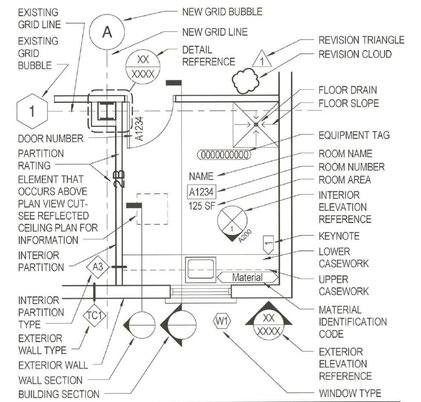


2 FLOOR PLAN DIMENSIONING GUIDE
1/4" = 1'-0"



OTHER CEILING PLAN SYMBOL DESIGNATIONS	
RECESSED CAN DOWNLIGHT (CENTER IN GRID UNO)	TV CONNECTION (SEE ELECTRICAL DRAWINGS)
RECESSED CAN WALL WASHER (CENTER IN GRID UNO)	OCCUPANCY SENSOR (SEE ELECTRICAL)
PENDANT MOUNTED LIGHT FIXTURE (CENTER IN GRID UNO)	TRACK LIGHT FIXTURE (SEE ELECTRICAL DRAWINGS)
CEILING-MOUNTED EXIT LIGHT (SEE ELECTRICAL DRAWINGS	EQUIPMENT MOUNTING TRACKS
WALL-MOUNTED EXIT LIGHT (SEE ELECTRICAL DRAWINGS)	SPRINKLER HEAD (CENTER IN GRID)
SMOKE DETECTOR (SEE ELECTRICAL DRAWINGS)	SOUND MASKING DEVICE (SEE SPEC)

3 CEILING PLAN SYMBOL DESIGNATIONS
1/4" = 1'-0"



OTHER FLOOR PLAN SYMBOL DESIGNATIONS	
EXISTING DOOR TO REMAIN	EXISTING DOOR TO DEMO
EXISTING WALL TO REMAIN (DEMO PLANS)	EXISTING WALL TO DEMO
EXISTING WALL TO REMAIN (CONSTRUCTION FLOOR PLANS)	NEW WALL (CONSTRUCTION FLOOR PLANS)

4 FLOOR PLAN SYMBOL DESIGNATIONS
1/4" = 1'-0"

A. THESE GENERAL NOTES APPLY TO THE CONSTRUCTION DOCUMENTS AND SHALL GOVERN UNLESS NOTED OTHERWISE BY GENERAL NOTES OR KEYNOTES ON SPECIFIC SHEETS.

B. DOORS SHOWN AS LESS THAN 90 DEGREES OPEN ARE EXISTING TO BE RE USED.

C. ALL KITCHEN EQUIPMENT SHALL BE SUPPORTED AND ANCHORED PER SMACNA "GUIDELINES FOR SEISMIC RESTRAINT OF KITCHEN EQUIPMENT."

D. SPACING AND DETAILS OF THE SUPPORT AND BRACING OF FIRE SPRINKLER PIPING SHALL COMPLY WITH THE 2016 EDITION OF NFPA 13, "INSTALLATION OF SPRINKLER SYSTEMS" WHERE APPLICABLE.

E. ENERGY COMPLIANCE: THE FOLLOWING SECTIONS, AMONG OTHERS, OF THE CALIFORNIA ENERGY CODE CCR TITLE 24, PART 6 SHALL BE FOLLOWED IN THIS CONSTRUCTION. ALSO SEE MECHANICAL DRAWINGS & SPECIFICATIONS FOR FURTHER INFORMATION.
1. DEVICES (SECTION 100(D)): THE USE OF MANUFACTURED DEVICES IS LIMITED TO DEVICES CERTIFIED BY THE MANUFACTURER TO MEET OR EXCEED THE MINIMUM SPECIFICATIONS OR EFFICIENCIES ADOPTED BY THE CALIFORNIA ENERGY COMMISSION.
2. CONSTRUCTION (SECTION 101): COMPLY WITH THE DEFINITIONS AND RULES OF CONSTRUCTION.
3. INSULATION (SECTION 118): THE USE OF INSULATING MATERIALS IS LIMITED TO ONLY THOSE THAT HAVE BEEN CERTIFIED BY THE MANUFACTURER TO COMPLY WITH THE CALIFORNIA QUALITY STANDARDS OF INSULATING MATERIAL, TITLE 20, CHAPTER 4, ARTICLE 3. ALL INSULATING MATERIALS SHALL COMPLY WITH THE FLAME SPREAD RATING AND SMOKE DENSITY LIMITATIONS OF THE CBC. INSTALLATION AND R-VALUES FOR INSULATING MATERIALS SHALL BE IN COMPLIANCE WITH SECTION 118.

F. THE AUTOMATIC FIRE SPRINKLER SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF THE 2016 EDITION OF NFPA STANDARD #13. INSTALLATION OF THE FIRE SPRINKLER SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE PLANS AND SPECIFICATIONS (INCLUDING WATER SUPPLY INFORMATION) HAVE BEEN APPROVED BY AHJ. AT VARIOUS STAGES AND UPON COMPLETION THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF THE ENFORCING AGENCY.

G. NOT USED

H. OUTLET BOXES IN FIRE RATED WALLS AND PARTITIONS SHALL BE SEPARATED HORIZONTALLY A MINIMUM OF 24 INCHES.

I. THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRIC CODE.

J. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

K. PENETRATIONS OF PIPES, CONDUITS, ETC. IN RATED ASSEMBLIES SHALL BE FIRE-STOPPED. FIRE-STOPPING SHALL BE AN APPROVED MATERIAL AS PRESCRIBED BY THE STATE FIRE MARSHAL STANDARDS PROTECTION DETAILS. THRU-PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE UL/WH LISTED AND COMPLY WITH CBC, CHAPTER 7. PROTECTION DETAILS OF MEMBRANE PENETRATIONS THROUGH FIRE PARTITIONS SHALL COMPLY WITH CBC CHAPTER 7.

L. COORDINATE ALL PROJECT PHASING WITH OWNER OR AS SPECIFIED AND/OR SHOWN ON THE DRAWINGS.

M. PROVIDE A SAFE MEANS OF EGRESS THROUGH AND/OR AROUND THE BUILDING AND SITE PER APPLICABLE CODES AT ALL TIMES DURING THE CONSTRUCTION PROCESS. MINIMIZE DISRUPTION TO ADJACENT AREAS/FLOORS AS MUCH AS POSSIBLE.

N. MINIMIZE NOISE TO A LEVEL ACCEPTABLE TO THE OWNER. SCHEDULE TASKS CREATING EXCESSIVE NOISE OR NEAR SENSITIVE AREAS WITH THE OWNER.

O. PROVIDE DUST CONTROL BETWEEN CONSTRUCTION AREAS AND OCCUPIED AREAS AT ALL TIMES AS SPECIFIED.

P. NOTIFY ARCHITECT PROMPTLY IF INFORMATION SHOWN IN ONE CONSTRUCTION DOCUMENT CONFLICTS WITH INFORMATION SHOWN ON ANOTHER.

Q. NOTIFY ARCHITECT PROMPTLY IF CONSTRUCTION DOCUMENTS ARE INCONSISTENT WITH THE CURRENT APPLICABLE CODES AND REGULATIONS.

R. NOTIFY ARCHITECT PROMPTLY IF ANY EXISTING CONDITIONS CONFLICT WITH THE CONSTRUCTION DOCUMENTS.

S. STRUCTURAL STEEL MEMBER PROFILES AS INDICATED ON ARCHITECTURAL DRAWINGS MAY VARY FROM ACTUAL PROFILES AND SIZES INDICATED ON THE STRUCTURAL DRAWINGS. IN THIS EVENT, THE STRUCTURAL DRAWINGS SHALL GOVERN.

T. COORDINATE EXACT LOCATIONS OF LIGHT FIXTURES SPEAKERS, SMOKE DETECTORS, EXIT LIGHTS, ACCESS PANELS, SPRINKLER HEADS, HVAC DUCTS, DIFFUSERS, REGISTERS, AND OTHER SUCH CEILING ITEMS WITH MECHANICAL, ELECTRICAL AND OTHER TRADES. NOTIFY ARCHITECT PROMPTLY IF ANY LOCATIONS CONFLICT WITH ARCHITECTURAL REFLECTED CEILING PLANS.

U. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR FLOOR, WALL, AND CEILING OPENINGS. ALL OPENINGS SHALL BE CUT AND PATCHED AS REQUIRED BY EACH DISCIPLINE OR TRADE REQUIRING THE OPENING UNLESS NOTED OTHERWISE IN THE CONSTRUCTION DOCUMENTS. PATCHING IS TO BE IN CONFORMANCE WITH APPLICABLE CODES.

REVISION
SEP 06 2016
San Mateo County Building Inspection

1 GENERAL NOTES
1 : 1

hga.
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER
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916.787.5100

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REDWOOD CITY, CA 94065
650.482.6300

LANDSCAPE ARCHITECT
RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

APPROVED PLAN
BY SAN MATEO COUNTY BUILDING DEPARTMENT
DATE: 10/28/2016
Reviewed Jaime
LICENSED ARCHITECT
STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 28, 2016
REGISTRATION NUMBER: C-27256

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

JOB COPY TO REMAIN ON SITE AT ALL TIMES

GENERAL NOTES, ABBREVIATIONS AND SYMBOLS

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A010

CONSTRUCTION DOCUMENTS BID SET

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8/30/2016 10:40:31 AM C:\Users\dpatrick\Documents\Rev

CODE ANALYSIS

PROJECT DESCRIPTION

THE SERENITY HOUSE RESIDENTIAL BUILDING IS A 2-STORY 4,814 BGSF (BUILDING GROSS SQUARE FEET) BEHAVIORAL HEALTH TREAMTMENT FACILITY (GROUP R4 OCCUPANCY) AND A SEPARATE SINGLE STORY 768 BGSF ADMINISTRATION BUILDING (GROUP B OCCUPANCY). CONSTRUCTION FOR BOTH BUILDINGS IS TYPE VB THROUGHOUT NON-RATED CONSTRUCTION WITH NO FIREPROOFING OF BUILDING ELEMENTS REQUIRED PER CBC TABLE 601. THE BEHAVIORAL HEALTH TREATMENT FACILITY WILL BE EQUIPPED WITH AN APPROVED AUTOMATIC FIRE SPRINKLER SYSTEM.

APPLICABLE CODES

ALL WORK IS TO BE PERFORMED ACCORDING TO THE BUILDING CODES, ORDINANCES AND LAWS OF AUTHORITY HAVING JURISDICTION ON THE PROJECT. WHEN THE REQUIREMENTS OF THE BUILDING CODES, ORDINANCES AND LAWS CONFLICT WITH ANY OTHER PART OF THE BUILDING CODES, ORDINANCES AND LAWS, THE MOST RESTRICTIVE REQUIREMENTS SHALL PREVAIL.

A. 2013 CALIFORNIA ADMINISTRATIVE CODE (CAC) PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

B. 2013 CALIFORNIA BUILDING CODE (CBC) PART 2, TITLE 24, CCR BASED ON THE 2012 INTERNATIONAL BUILDING CODE (IBC)

C. 2013 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24, CCR BASED ON THE 2011 NATIONAL ELECTRICAL CODE (NEC)

D. 2013 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24, CCR BASED ON THE 2012 UNIFORM MECHANICAL CODE (UMC)

E. 2013 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24, CCR BASED ON THE 2012 UNIFORM PLUMBING CODE (UPC)

F. 2013 CALIFORNIA ENERGY CODE (CEC) PART 6, TITLE 24, CCR BASED ON THE 2012 INTERNATIONAL ENERGY CODE

G. 2013 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24, CCR BASED ON THE 2012 INTERNATIONAL FIRE CODE (IFC)

H. 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGC) PART 11, TITLE 24, CCR

I. 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN INCLUDING ALL ADOPTED UPDATES THROUGH 2015 (U.S. DEPARTMENT OF JUSTICE)

J. COUNTY OF SAN MATEO BUILDING REGULATIONS AND ZONING REGULATIONS

K. SAN MATEO CITY CHARTER AND MUNICIPAL CODE 2015-16

WHERE CODES AND REGULATIONS ARE FOUND TO BE IN CONFLICT WITH EACH OTHER, THE MORE STRINGENT REQUIREMENTS WILL PREVAIL.

AUTHORITY HAVING JURISDICTION:

COUNTY OF SAN MATEO

COUNTY OF SAN MATEO PLANNING AND BUILDING DEPARTMENT, BUILDING REGULATIONS

REGARDING THE REQUIREMENT FOR THE EXISTING AND NEW CONSTRUCTION TO MEET CURRENT BUILDING CODES, THE PROJECT ADHERES TO THE FOLLOWING PROVISION:

CHAPTER 2. UNIFORM CONSTRUCTION ADMINISTRATION CODE, SECTION 9022 - EXISTING BUILDINGS

4. Additions, alterations and repairs exceeding 25 percent (25%) but not exceeding 50 percent of the value of the existing building or structure and complying with the requirements for new buildings or structures may be made to such building or structure within a 12-month period without making the entire building or structure comply. The new construction shall conform with the requirements of the construction codes for a new building of like area, height, use and occupancy.

A DETAILED ESTIMATE OF THE BUILDING VALUE AND PROJECTED CONSTRUCTION COST CAN BE PROVIDED UPON REQUEST.

BUILDING CODE ANALYSIS SUMMARY CONTD.

1. FLOOR AREA AND BUILDING HEIGHTS

A. BEHAVIORAL HEALTH TREATMENT FACILITY
- I. ALLOWABLE BUILDING FLOOR AREA (WITHOUT AREA INCREASES)
  - OCCUPANCY: TABLE 503 R -4
  - GROUP R-4: 7,000 S.F.
- II. ACTUAL FLOOR AREA — BASEMENT = 1,400 BGSF; LEVEL 1 = 3,414 BGSF; TOTAL: 4,814 BGSF
- III. ALLOWABLE BUILDING HEIGHT: TABLE 503 — 2 STORIES FOR GROUP R-4
- IV. ACTUAL BUILDING HEIGHT: 2 STORIES

BUILDING CONTAINS COMPLETE AUTO FIRE SPRINKLER SYSTEM

BUILDING OCCUPANT LOAD: 4,814 S.F. / 200 S.F. PER OCCUPANT = 24

B. ADMINISTRATION BUILDING
- I. ALLOWABLE BUILDING FLOOR AREA (WITHOUT AREA INCREASES)
  - OCCUPANCY: TABLE 503 B
  - GROUP B: 9,000 SF
- II. ACTUAL FLOOR AREA 718 BGSF
- III. ALLOWABLE BUILDING HEIGHT: TABLE 503 — 2 STORIES FOR GROUP B
- IV. ACTUAL BUILDING HEIGHT: 1 STORY

BUILDING DOES NOT CONTAIN AUTO FIRE SPRINKLER SYSTEM

BUILDING OCCUPANT LOAD: 718 / 200 S.F. PER OCCUPANT = 4

2. CONSTRUCTION TYPE: CHAPTER 6 - TYPE VB

3. ALLOWABLE HEIGHT & AREA INCREASES 504, 506
- A. STORY AND HEIGHT INCREASE NOT USED
- B. ALLOWABLE AREA INCREASE NOT USED

4. FIRE RESISTIVE RATING REQUIREMENTS (TYPE VB) — TABLE 601 — REQUIRED (HOURS)

PRIMARY STRUCTURAL FRAME		0 - HOUR
BEARING WALLS - EXTERIOR		0 - HOUR
BEARING WALLS - INTERIOR		0 - HOUR
EXTERIOR NON - BEARING WALLS		0 - HOUR
INTERIOR NON - BEARING WALLS		0 - HOUR
FLOOR CONSTRUCTION AND SECONDARY MEMBERS		0 - HOUR
ROOF CONSTRUCTION AND SECONDARY MEMBERS		0 - HOUR
SHAFT ENCLOSURES	713	
MECH SHAFTS FROM FUTURE ASC TO ROOF		1 - HOUR
ALL OTHERS		1 - HOUR
PENETRATIONS	714	
FIRE - RESISTANT JOINT SYSTEMS	715	

10. MEANS OF EGRESS

A. THE MEANS OF EGRESS SHALL HAVE A CEILING HEIGHT NOT LESS THAN 7 FEET, 6 INCHES (7'-6"). PROTRUDING OBJECTS SHALL NOT EXTEND MORE THAN 10 INCHES BELOW MINIMUM CEILING HEIGHT. (CBC 1003)

B. MINIMUM REQUIRED EGRESS WIDTH (CBC1005)
- OTHER EGRESS COMPONENTS: .2" / OCC

C. MEANS OF EGRESS DOORS: A MINIMUM WIDTH OF 32 INCHES. SWING IN THE DIRECTION OF TRAVEL WHERE SERVING AN OCCUPANT LOAD OF 50 OR MORE PERSONS.

D. THE COMMON PATH OF EGRESS TRAVEL SHALL NOT EXCEED 75 FEET (OCCUPANCY B) WITHOUT AN AUTOMATIC SPRINKLER SYSTEM (PER SECTION 1014.3); 75 FEET (OCCUPANCY R-4) WITH AUTOMATIC SPRINKLER SYSTEM (PER SECTION 1014.3)

E. ROOMS REQUIRING MORE THAN ONE EXIT TABLE 1015.1
- GROUP B WITH MORE THAN 49 OCCUPANTS 2 EXITS OR EXIT ACCESS REQUIRED
- GROUP R-4 WITH MORE THAN 10 OCCUPANTS 2 EXITS OR EXIT ACCESS REQUIRED

F. THE SEPARATION DISTANCE OF THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL NOT BE LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGIONAL DIMENSION OF THE AREA SERVED WITH AN AUTOMATIC FIRE SPRINKLER SYSTEM (CBC 1015.2.1 EXCEPTION 2)

G. EXIT ACCESS TRAVEL DISTANCE (CBC SECTION 1016.1)
200 FT. MAX (GROUP B, NON-SPRINKLED); 250 MAX (GROUP R, SPRINKLED) EXITS SHALL BE SO LOCATED ON EACH STORY SUCH THAT THE MAXIMUM LENGTH OF EXIT ACCESS TRAVEL, MEASURED FROM THE MOST REMOTE POINT WITHIN A STORY ALONG THE NATURAL AND UNOBSTRUCTED PATH OF EGRESS TRAVEL TO AN EXTERIOR EXIT DOOR AT THE LEVEL OF EXIT DISCHARGE, AN ENTRANCE TO A VERTICAL EXIT DISCLOSURE, AN EXIT PASSAGEWAY, A HORIZONTAL EXIT, AN EXTERIOR EXIT STAIRWAY OR AN EXTERIOR EXIT RAMP, SHALL NOT EXCEED 300 FEET FOR GROUP 'B' OCCUPANCY WITH AN AUTOMATIC SPRINKLER SYSTEM.

H. CORRIDORS TABLE 1018.1 FIRE RATING
- GROUP B - A FIRE RESISTANCE RATING IS NOT REQUIRED FOR OCCUPANT LOAD LESS THAN 30,
- GROUP R-4 - A FIRE RESISTANCE RATING IS NOT REQUIRED FOR CORRIDORS WITH AN AUTOMATIC SPRINKLER SYSTEM PER EXCEPTION 2, SECTION 1018.1

I. DEAD ENDS (CBC 1018.4)
50 FT. MAX WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT THERE ARE NO DEAD ENDS IN CORRIDORS MORE THAN 20 FEET IN LENGTH. EXCEPTION 2 - BUILDINGS WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM, THE LENGTH OF THE DEAD END CORRIDOR SHALL NOT EXCEED 50' FOR B & R-4 OCCUPANCIES.

11. MINIMUM PLUMBING FIXTURES CPC CHAPTER 4 TABLE 4-1, TABLE A

A. BEHAVIORAL HEALTH TREATMENT FACILITY
- I. OCCUPANT LOAD FACTOR: CPC TABLE A; GROUP R-4 - RESIDENTIAL: 200 S.F.
- II. TOTAL OCCUPANT LOAD: GROUP R-4: 24; 50% MALE: 12; 50% FEMALE: 12
- III. MINIMUM PLUMBING FIXTURES TABLE 422.1

FIXTURE TYPE	QUALITY REQUIRED:		
WATER CLOSETS	MALE	2	(2: < 35)
	FEMALE	2	(2: < 28)
URINALS	MALE	-	NO REQTS
LAVATORIES	MALE	2	(2: < 32)
	FEMALE	2	(2: < 27)
BATHTUB OR SHOWER		3	(1: 1 PER 8)
DRINKING FOUNTAINS		1	(1 PER 150)
SERVICE SINK / LAUNDRY TRAY		1	(1 PER OCCUPANCY)

B. ADMINISTRATION BUILDING
- I. OCCUPANT LOAD FACTOR: CPC TABLE A; GROUP B - OFFICE: 200 S.F.
- II. TOTAL OCCUPANT LOAD: GROUP B: 4; 50% MALE: 2; 50% FEMALE: 2
- III. MINIMUM PLUMBING FIXTURES TABLE 422.1

FIXTURE TYPE	QUALITY REQUIRED:		
WATER CLOSETS	MALE	1	(1: 1 - 50)
	FEMALE	1	(1: 1 - 15)
URINALS	MALE	1	(1: 1 - 100)
LAVATORIES	MALE	1	(1: 1 - 75)
	FEMALE	1	(1: 1 - 50)
DRINKING FOUNTAINS		1	(1 PER 150)
SERVICE SINK / LAUNDRY TRAY		1	(1 PER OCCUPANCY)

12. PARKING SUMMARY

STANDARD SPACES	12
VAN ACCESSIBLE SPACE	1
TOTAL:	13

1 LIFE SAFETY PLAN REQUIREMENTS
12" = 1'-0"

HGA
170 Maiden Lane, 5th Floor
San Francisco, California 94108
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LANDSCAPE ARCHITECT
RHAA
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MILL VALLEY CA 94941
415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

APPROVED PLAN
SEP 3 0 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

LICENSED ARCHITECT — KEVIN R. DAY — C-27256 — 4-30-2017 — Renewal Date — STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

CODE INFORMATION

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A011

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SEP 06 2016
San Mateo County Building Inspection

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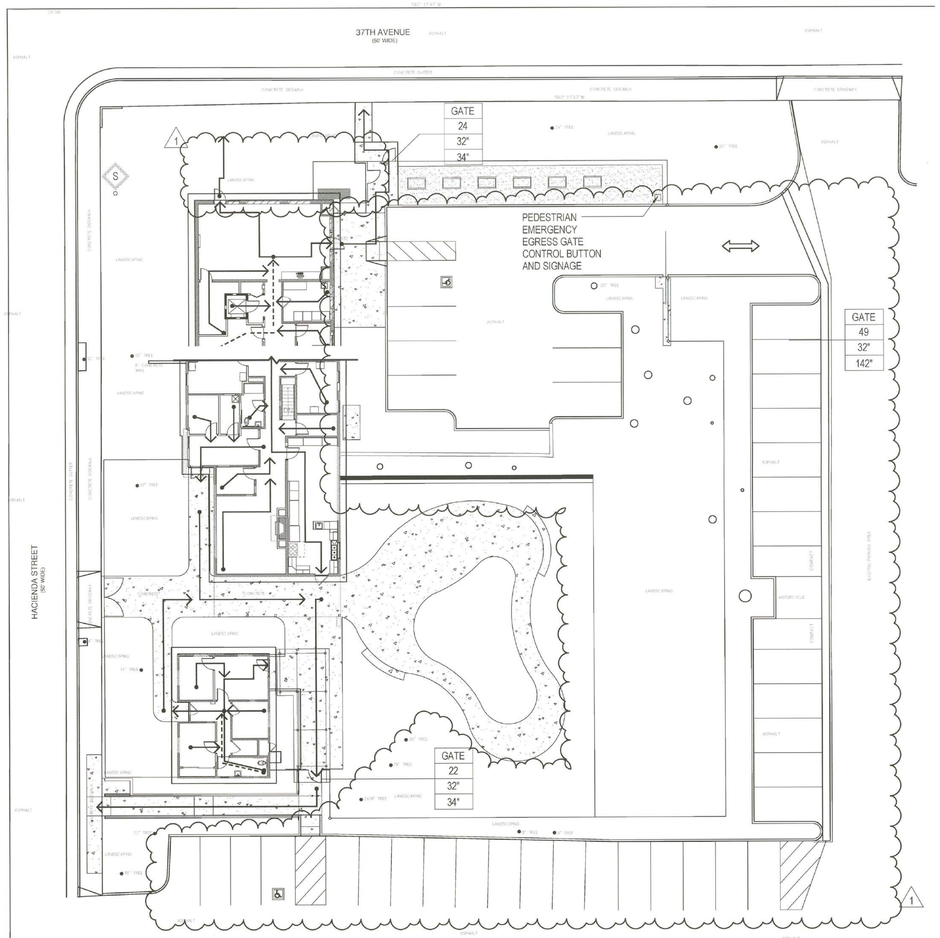
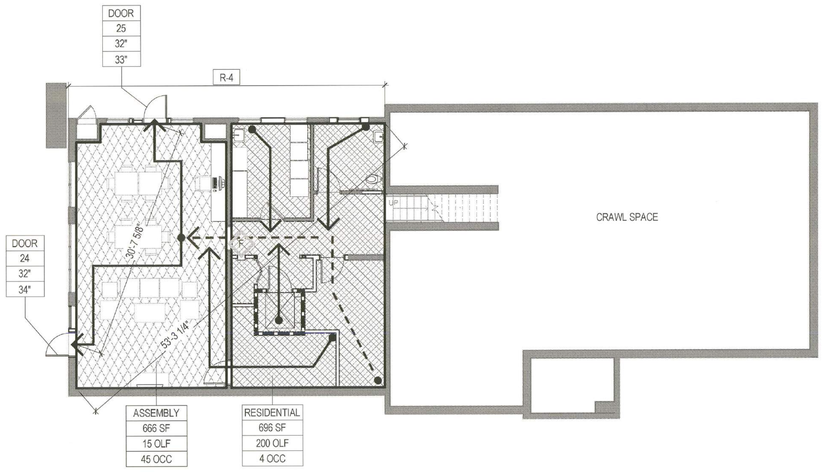


3 SITE EGRESS PLAN
1/16" = 1'-0"

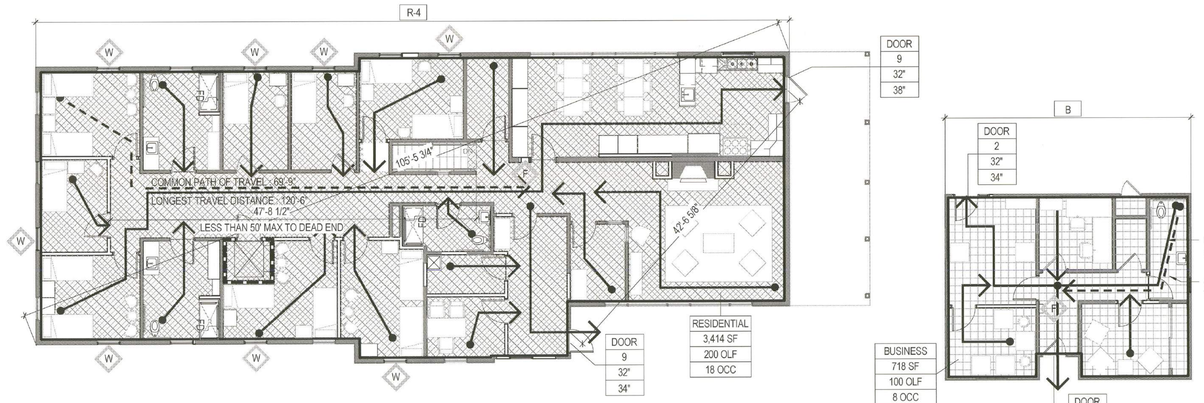


FUNCTION

ASSEMBLY

RESIDENTIAL

2 LIFE SAFETY PLAN - BASEMENT
1/8" = 1'-0"



FUNCTION

BUSINESS

RESIDENTIAL

1 LIFE SAFETY PLAN - LEVEL 1
1/8" = 1'-0"

LIFE SAFETY PLAN SYMBOL DESIGNATIONS

(SYMBOLS ONLY- SEE LIFE SAFETY PLANS FOR ACTUAL INFORMATION)

X-# BUILDING CODE OCCUPANCY TYPE

- FUNCTION OF SPACE.
- TOTAL SQUARE FEET.
- OCCUPANT LOAD FACTOR.
- OCCUPANT LOAD.

- EXIT/EXIT-ACCESS COMPONENT (E.G., STAIR, DOOR).
- NUMBER OF OCCUPANTS USING EXIT/EXIT-ACCESS COMPONENT.
- MINIMUM REQUIRED CLEAR WIDTH (INCHES).
- AVAILABLE CLEAR WIDTH (INCHES).

TRAVEL DISTANCE TO NEAREST EXIT

COMMON PATH OF TRAVEL (FEET).

SMOKE BARRIER/COMPARTMENT

REQUIRED ASSEMBLY RATING

0	ZERO HOUR
0	ZERO HOUR (E)
1	ONE HOUR RATED

F FIRE EXTINGUISHER (MAXIMUM TRAVEL 75'-0")

S FIRE DEPARTMENT CONNECTION (SIAMESE CONNECTION)

W EMERGENCY ESCAPE AND RESCUE WINDOW (CBC 1029)

hGA.
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER
HGA
1200 R STREET, SUITE 100
SACRAMENTO, CA 95811
916.787.5100

MECHANICAL/ELECTRICAL/ PLUMBING ENGINEER
INTERFACE ENGINEERING, INC.
135 MAIN STREET, SUITE 400
SAN FRANCISCO, CA 94105
415.489.3213

CIVIL ENGINEER
BKF
255 SHORELINE DRIVE #200
REDWOOD CITY, CA 94065
650.482.6300

LANDSCAPE ARCHITECT
RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

REGISTERED ARCHITECT KEVIN M. DAY C-27256 9.30.2017 Renewal Date STATE OF CALIFORNIA

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

NO	DESCRIPTION	DATE
1	CO #1	08/26/2016

JOB COPY TO REMAIN ON SITE AT ALL TIMES

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

SITE EGRESS AND LIFE SAFETY PLANS

REVISION
SEP 06 2016
San Mateo County Building Inspection

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A020

CONSTRUCTION DOCUMENTS BID SET

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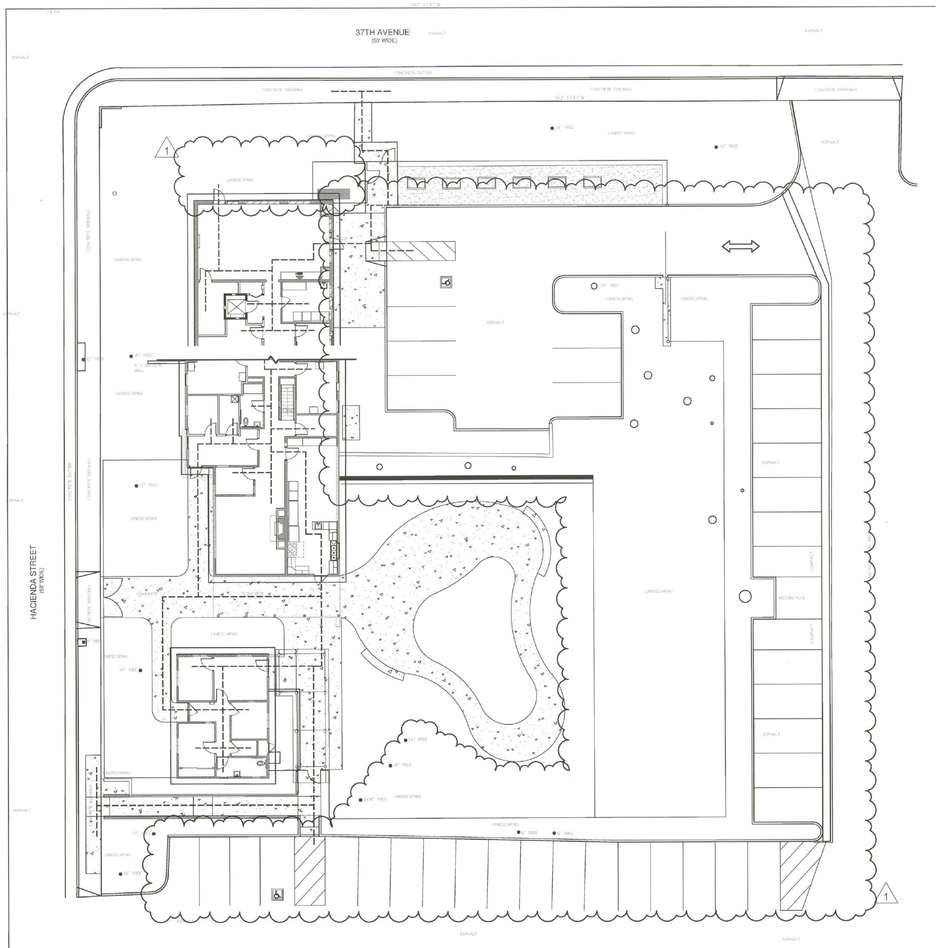
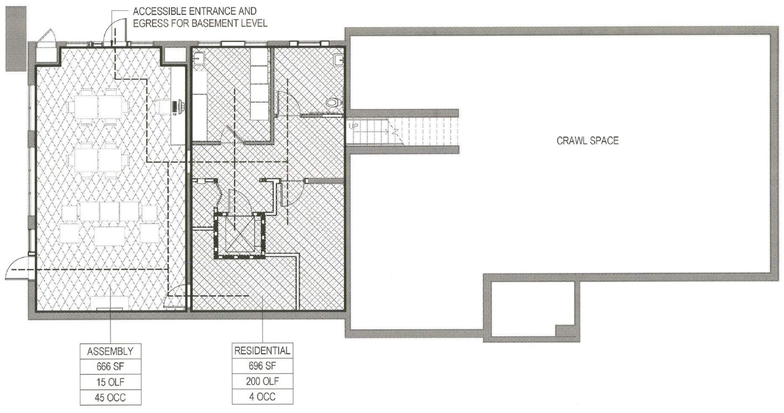
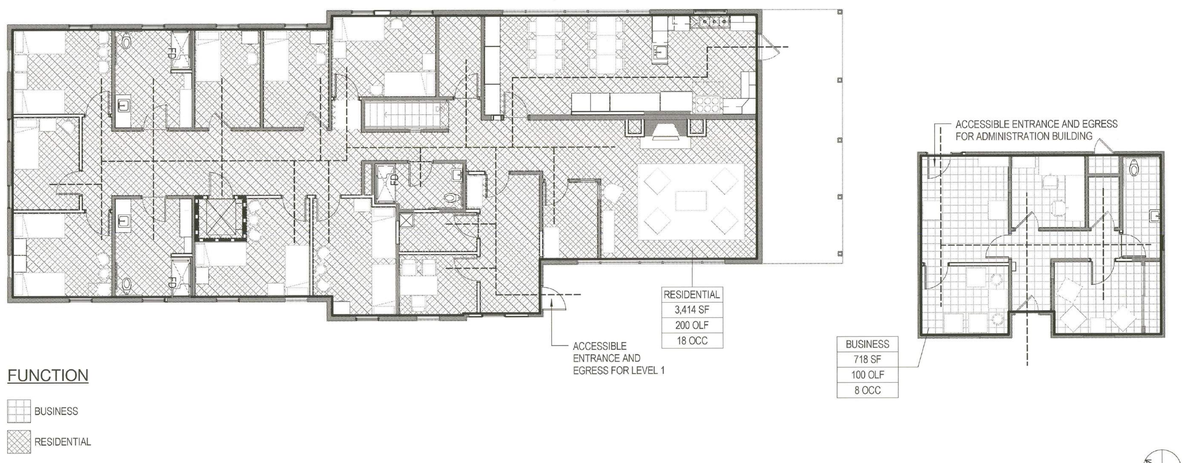
8/30/2016 10:40:38 AM
Author



3 SITE ACCESSIBILITY PLAN
1/16" = 1'-0"



2 ACCESSIBILITY PLAN - BASEMENT
1/8" = 1'-0"



1 ACCESSIBILITY PLAN - LEVEL 1
1/8" = 1'-0"

ACCESSIBILITY PLAN SYMBOL DESIGNATIONS

(SYMBOLS ONLY- SEE LIFE SAFETY PLANS FOR ACTUAL INFORMATION)

X-# BUILDING CODE OCCUPANCY TYPE

- FUNCTION OF SPACE.
- TOTAL SQUARE FEET.
- OCCUPANT LOAD FACTOR.
- OCCUPANT LOAD.

ACCESSIBLE PATH OF TRAVEL

ACCESSIBLE SHOWER

ACCESSIBLE LIFT

hga
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER

HGA
1200 R STREET, SUITE 100
SACRAMENTO, CA 95811
916.787.5100

MECHANICAL/ELECTRICAL/ PLUMBING ENGINEER

INTERFACE ENGINEERING, INC.
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SAN FRANCISCO, CA 94105
415.489.3213

CIVIL ENGINEER

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255 SHORELINE DRIVE #200
REDWOOD CITY, CA 94065
650.482.6300

LANDSCAPE ARCHITECT

RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

COUNTY OF SAN MATEO FOUNDED 1856

I HEREBY CURTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME, OR UNDER MY DIRECT SUPERVISION AND I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

KEVIN DAY No. C-27256 4-30-2017 Registered Date STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

APPROVED PLANS
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

△NO	DESCRIPTION	DATE
1	CC #1	08/26/2016

ISSUANCE / HISTORY - THIS SHEET

HGA NO: 3505-003-01

ACCESIBILITY PLAN

REVISION
SEP 06 2016
San Mateo County Building Inspection

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A030

CONSTRUCTION DOCUMENTS BID SET

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Author

DOOR AND FRAME SCHEDULE

IDENTIFICATION		DOOR					FRAME			EXTERIOR FRAME FINISH	RATING	HDWE GROUP	NOTES	Phase Created
DOOR NUMBER	ROOM NAME	WIDTH	HEIGHT	TYPE	FINISH	GLAZING TYP	TYPE	INT FINISH	GLAZING TYP					
000	ACTIVITY ROOM	3' - 0"	6' - 8"	WD-FG	ST-01	GL-15	WD-010	ST-01	GL-15	PT-13	-	33PW		New Construction
000B	ACTIVITY ROOM	3' - 0"	6' - 8"	WD-F	ST-01	-	WD-001	ST-01	-	PT-13	-	34.84		New Construction
001	HALL	3' - 0"	6' - 8"				WD-001	PT-1					CASE OPENING	Existing
002	BATH	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	31		New Construction
003	MECHANICAL	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	34		New Construction
004	LAUNDRY	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	3.03		Existing
006	HALL	3' - 0"	6' - 8"	WD-BF	PT-1	-	WD-001	PT-1	-	-	-	5.11		New Construction
007	ACTIVITY ROOM	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	13		New Construction
008	ELEC.	2' - 5"	5' - 8"	WD-F	PT-11	-	WD-001	-	-	PT-11	-	3.03		Existing
100	ENTRY	3' - 0"	6' - 8"	WD-F	ST-01	GL-15	WD-001	ST-01	-	PT-13	-	33PW		New Construction
100A	ENTRY	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	100		New Construction
102	DISPENSARY	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	34EP	CARD KEY ENTRY LOCK	New Construction
105	DINING	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	100M		New Construction
105B	DINING	3' - 4"	6' - 8"	WD-F	ST-01	-	WD-001	ST-01	-	PT-13	-	3.03		Existing
106	IT	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	14		New Construction
107	DORM	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	13		New Construction
108	DORM	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	3.12		Existing
109	DORM	2' - 10"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	3.12		Existing
110	BATH	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	31		New Construction
111	DORM	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	13		New Construction
112	DORM	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	13		New Construction
113	DORM	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	13		New Construction
114	BATH	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	31		New Construction
115	DORM	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	13		New Construction
116	DORM	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	13		New Construction
117	HALL	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	11		New Construction
118	JANITOR	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	14		New Construction
119	OFFICE	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	13		New Construction
200	HALL	3' - 0"	6' - 8"	WD-F	ST-01	-	WD-001	ST-01	-	PT-13	-	3.07		Existing
201	WAITING ROOM	3' - 0"	6' - 8"	WD-FG	ST-01	GL-15	WD-010	ST-01	GL-15	PT-13	-	33PW		New Construction
201A	WAITING ROOM	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	13		New Construction
202	OFFICE	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	3.15		Existing
203	STOR.	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	3.15		Existing
204	STAFF BATH	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	11		New Construction
205	INTERVIEW	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	13		New Construction
205A	CLOSET	8' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-			7.93		Existing
206	FURNACE	2' - 6"	6' - 8"	WD-F	PT-10	-	WD-001	-	-	PT-10	-	3.15		Existing
207	VISITATION	3' - 0"	6' - 8"	WD-F	PT-1	-	WD-001	PT-1	-	-	-	13		New Construction
L01	HALL	3' - 0"	6' - 8"	WD-NV	PT-1	-	WD-001	PT-1	-		45	401.01		New Construction
L02	WHEEL CHAIR LIFT	3' - 0"	6' - 8"	WD-NV	PT-1	-	WD-001	PT-1	-	-	45	401.01	AUTOMATIC DOOR OPERATOR	New Construction

WINDOW SCHEDULE

IDENTIFICATION		FRAME						Phase Created
WINDOW NUMBER	ROOM NAME	WIDTH	HEIGHT	GLAZING TYPE	MATERIAL	NEW OPENING OPERATION	NOTES	
000A	ACTIVITY ROOM	3' - 0"	4' - 0"	GL-21	WD	-		Existing
000B	ACTIVITY ROOM	3' - 0"	4' - 0"	GL-21	WD	-		Existing
000C	ACTIVITY ROOM	3' - 0"	4' - 0"	GL-21	WD	-		Existing
000D	ACTIVITY ROOM	3' - 0"	4' - 0"	GL-21	WD	-		Existing
000E	ACTIVITY ROOM	3' - 0"	4' - 0"	GL-21	WD	-		Existing
000F	ACTIVITY ROOM	3' - 0"	4' - 0"	GL-21	WD	-		Existing
000H	ACTIVITY ROOM	3' - 0"	4' - 0"	GL-21	WD	-		Existing
000J	ACTIVITY ROOM	3' - 0"	4' - 0"	GL-21	WD	SINGLE HUNG	MATCH APPEARANCE OF EXISTING	New Construction
002A	BATH	3' - 0"	4' - 0"	GL-21	WD	SINGLE HUNG	MATCH APPEARANCE OF EXISTING	New Construction
004A	LAUNDRY	3' - 0"	4' - 0"	GL-21	WD	-		Existing
004B	LAUNDRY	3' - 0"	4' - 0"	GL-21	WD	-		Existing
100A	ENTRY	3' - 0"	4' - 0"	GL-21	WD	CASEMENT	MATCH APPEARANCE OF EXISTING	New Construction
101	STAIRS	2' - 0"	2' - 6"	GL-21	WD	-		Existing
102A	DISPENSARY	3' - 0"	4' - 0"	GL-21	WD	-		Existing
102B	LIVING ROOM	2' - 6"	2' - 6"	GL-21	WD	-		Existing
102C	LIVING ROOM	2' - 6"	2' - 6"	GL-21	WD	-		Existing
103A	LIVING ROOM	5' - 2"	4' - 0"	GL-21	WD	-		Existing
103B	LIVING ROOM	3' - 0"	4' - 0"	GL-21	WD	-		Existing
103C	LIVING ROOM	5' - 2"	4' - 0"	GL-21	WD	-		Existing
103D	LIVING ROOM	3' - 0"	4' - 0"	GL-21	WD	-		Existing
105A	DINING	3' - 0"	4' - 0"	GL-21	WD	-		Existing
105B	DINING	5' - 2"	4' - 0"	GL-21	WD	-		Existing
105C	DINING	3' - 0"	4' - 0"	GL-21	WD	-		Existing
105D	DINING	5' - 2"	4' - 0"	GL-21	WD	-		Existing
105E	DINING	3' - 0"	4' - 0"	GL-21	WD	-		Existing
105F	DINING	4' - 0"	3' - 0"	GL-21	WD	SINGLE HUNG	MATCH APPEARANCE OF EXISTING	New Construction
107A	DORM	3' - 0"	4' - 0"	GL-21	WD	CASEMENT	MATCH APPEARANCE OF EXISTING	New Construction
107B	DORM	3' - 0"	4' - 0"	GL-21	WD	CASEMENT	MATCH APPEARANCE OF EXISTING	New Construction
108A	DORM	3' - 0"	4' - 0"	GL-21	WD	CASEMENT	MATCH APPEARANCE OF EXISTING	New Construction
109A	DORM	3' - 0"	4' - 0"	GL-21	WD	CASEMENT	MATCH APPEARANCE OF EXISTING	New Construction
110A	BATH	3' - 0"	4' - 0"	GL-21	WD	CASEMENT	MATCH EXISTING GLAZING AND FRAME	New Construction
111A	DORM	3' - 0"	4' - 0"	GL-21	WD	CASEMENT	MATCH APPEARANCE OF EXISTING	New Construction
111B	DORM	3' - 0"	4' - 0"	GL-21	WD	ADD ALT. CASEMENT	ADD ALTERNATE TO REPLACE WINDOW. MATCH APPEARANCE OF EXISTING	Existing
112A	DORM	3' - 0"	4' - 0"	GL-21	WD	CASEMENT	MATCH APPEARANCE OF EXISTING	New Construction
112B	DORM	3' - 0"	4' - 0"	GL-21	WD	CASEMENT	MATCH APPEARANCE OF EXISTING	New Construction
113A	DORM	3' - 0"	4' - 0"	GL-21	WD	CASEMENT	MATCH APPEARANCE OF EXISTING	New Construction
113B	DORM	3' - 0"	4' - 0"	GL-21	WD	ADD ALT. CASEMENT	ADD ALTERNATE TO REPLACE WINDOW. MATCH APPEARANCE OF EXISTING	Existing
114A	BATH	3' - 0"	4' - 0"	GL-21	WD	CASEMENT	MATCH EXISTING GLAZING AND FRAME	New Construction
115A	DORM	3' - 0"	4' - 0"	GL-21	WD	CASEMENT	MATCH APPEARANCE OF EXISTING	New Construction
115B	DORM	3' - 0"	4' - 0"	GL-21	WD	ADD ALT. CASEMENT	ADD ALTERNATE TO REPLACE WINDOW. MATCH APPEARANCE OF EXISTING	Existing
116A	DORM	3' - 0"	4' - 0"	GL-21	WD	CASEMENT	MATCH APPEARANCE OF EXISTING	New Construction
119A	OFFICE	3' - 0"	4' - 0"	GL-21	WD	ADD ALT. CASEMENT	ADD ALTERNATE TO REPLACE WINDOW. MATCH APPEARANCE OF EXISTING	Existing
201B	WAITING ROOM	4' - 2"	3' - 3"	GL-21	WD	-		Existing
202A	OFFICE	4' - 2"	3' - 3"	GL-21	WD	-		Existing
202B	OFFICE	2' - 3"	3' - 0"	GL-21	WD	-		Existing
204A	STAFF BATH	2' - 0"	3' - 0"	GL-21	WD	HORIZ. GLIDER	MATCH APPEARANCE OF EXISTING	New Construction
204B	STAFF BATH	2' - 0"	3' - 0"	GL-21	WD	-		Existing
205A	INTERVIEW	4' - 2"	3' - 3"	GL-21	WD	-		Existing
205B	HALL	2' - 3"	3' - 0"	GL-21	WD	-		Existing
207A	VISITATION	4' - 2"	3' - 3"	GL-21	WD	-		Existing
207B	VISITATION	4' - 2"	3' - 3"	GL-21	WD	-		Existing

GENERAL NOTES - INTERIOR PARTITIONS

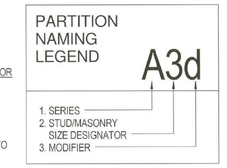
A. MINIMUM STC RATINGS INDICATED ARE BASED ON PARTITION TYPE WITH "b" MODIFIER ONLY
B. FILL EACH JOINT AND PENETRATION IN EACH PARTITION WITH INSULATION WITH FLEXIBLE, NON-HARDENING SEALANT TO ACHIEVE ACOUSTIC RATING (STC). AND SEAL.
C. TYPICAL FLOOR PLAN DIMENSIONS FOR PARTITIONS ARE TO FINISH FACE OF GYPSUM BOARD OR MASONRY UNLESS NOTED OTHERWISE. MAINTAIN DIMENSION BETWEEN FACE OF FINISHES.
D. "CLEAR" OR "HOLD" DIMENSION DENOTES MINIMUM CLEARANCE REQUIRED BETWEEN PARTITION FINISHES.
E. TYPICAL GYPSUM BOARD PARTITION WIDTH IS BASED ON 5/8" GYPSUM BOARD UNLESS NOTED OTHERWISE.
F. PARTITION TYPES SHOW GENERAL REQUIREMENTS FOR PARTITIONS. REFER TO SPECIFICATIONS, PRODUCT TECHNICAL DATA AND REQUIREMENTS OF APPLICABLE TESTING AGENCIES FOR SPECIFICS OF PARTITION CONSTRUCTION REQUIREMENTS.
G. PARTITION REQUIREMENTS SHOWN ARE MINIMUM STANDARDS. WHERE ACTUAL CONDITIONS CAUSE PARTITION(S) TO EXCEED LIMITS AS SHOWN ON DETAIL 5/A060 [PER MANUFACTURER'S RECOMMENDATIONS], REINFORCE PARTITION(S) AS REQUIRED.
H. PROVIDE FIRESTOPPING AT PENETRATIONS AND CONNECTIONS TO ADJACENT ASSEMBLIES IN FIRE-RATED PARTITIONS COMPLIANT WITH APPLICABLE TESTING AGENCY REQUIREMENTS.
I. REFER TO STRUCTURAL DRAWINGS FOR EXTENT AND DESCRIPTION OF INTERIOR STRUCTURAL WALLS NOT IDENTIFIED BY PARTITION TYPES AND/OR INDICATED AS: <STR>
J. PROVIDE BLOCKING OR BACKER MATERIAL FOR ATTACHMENT AND MOUNTING OF WALL HUNG ITEMS OR EQUIPMENT SHOWN ON A630. PROVIDE FIRE RETARDANT TREATED BLOCKING WHERE SPECIFIED OR REQUIRED BY CODE.
K. FIRE AND/OR ACOUSTIC TEST REFERENCES CALLED OUT MAY VARY DEPENDING ON THE MANUFACTURER OF COMPONENTS ACTUALLY USED.
L. PROVIDE WATER RESISTANT GYPSUM BOARD AT AREAS REQUIRED BY CODE AND WHERE FINISH WILL BE CERAMIC TILE UNLESS NOTED OTHERWISE.
M. ENSURE FINISH SURFACES ARE FLUSH AND SEAMLESS WHERE PARTITIONS AND/OR FURRING ARE COPLANAR.
N. REFER TO SHEET A060 DOOR AND FRAME SCHEDULE FOR DOOR AND DOOR FRAME FINISH.

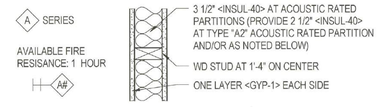
1. SERIES
THIS CHARACTER DENOTES THE ASSEMBLY SERIES TO WHICH THE WALL BELONGS.

2. METAL STUD/MASONRY UNIT SIZE DESIGNATOR
THIS CHARACTER DENOTES THE STUD OR FURRING WIDTH. FOR MASONRY, THIS CHARACTER INDICATES NOMINAL UNIT WIDTH.

3. MODIFIER
THIS CHARACTER DENOTES MODIFICATION(S) TO THE SERIES ASSEMBLY.

PARTITION NAMING LEGEND



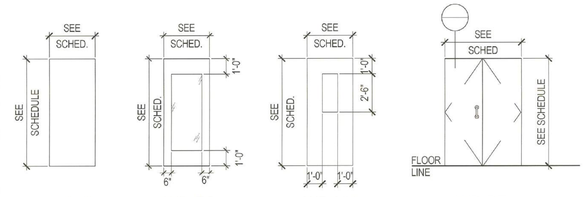


PTN TYPE	STUD WIDTH	PTN WIDTH	1 HOUR CONSTRUCTION TESTS	STC W/O INSUL	STC W/ INSUL	NOTES	AS DRAWN DIMENSIONS
A2	2 1/2"	3 3/4"		40-44	45-49		
				40-44	47 EST		
A3	3 1/2"	4 7/8"		40-44	45-49		
A6	5 1/2"	7 1/4"		40-44	45-49		

NOTE: SOME PARTITION TYPES DESCRIBED ABOVE MAY NOT BE REQUIRED ON THIS PROJECT.

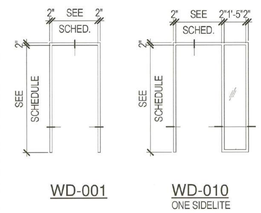
3 INTERIOR PARTITION TYPE - A SERIES
1 1/2" = 1'-0"

PANEL TYPES



WD-F FLUSH
WD-FG FULL GLASS
WD-NV NARROW VISION
WD-BF BIFOLD

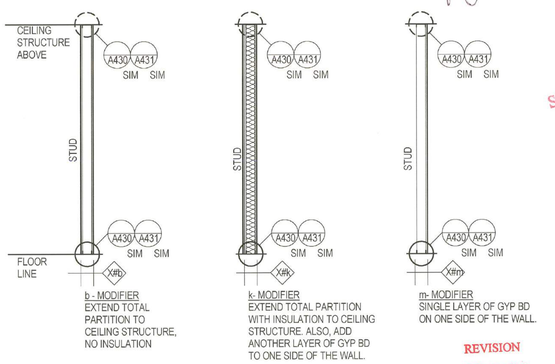
FRAME TYPES



WD-001
WD-010 ONE SIDELITE

REFER TO SCHEDULE FOR MATERIALS AND FINISHES

DOOR PANEL/FRAME TYPE LEGEND
1/4" = 1'-0"



b - MODIFIER
EXTEND TOTAL PARTITION TO CEILING STRUCTURE, NO INSULATION

k- MODIFIER
EXTEND TOTAL PARTITION WITH INSULATION TO CEILING STRUCTURE. ALSO, ADD ANOTHER LAYER OF GYP BD TO ONE SIDE OF THE WALL.

m- MODIFIER
SINGLE LAYER OF GYP BD ON ONE SIDE OF THE WALL.

5 INTERIOR PARTITION MODIFER KEY (SOME TYPES NOT USED)
1/2" = 1'-0"

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

REVISION
SEP 06 2016
San Mateo County Building Inspection

hga
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER
HGA
1200 R STREET, SUITE 100
SACRAMENTO, CA 95811
916.787.5100

MECHANICAL/ELECTRICAL/ PLUMBING ENGINEER
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SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

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LICENSED ARCHITECT KEVIN M. DAY C-27256 4.30.2017 Renewal Date STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

NO	DESCRIPTION	DATE
1	CO #1	08/26/2016

ISSUANCE HISTORY - THIS SHEET

JOB COPY TO REMAIN ON SITE AT ALL TIMES

HGA NO: 3505-003-01

DOOR AND WINDOW SCHEDULE AND INTERIOR WALL TYPES (TYP.)

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A060

CONSTRUCTION DOCUMENTS BID SET

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KEYNOTES - DEMOLITION PLANS

#	DESCRIPTION
1	REMOVED CONCRETE SLAB AT LIFT / TO ALLOW FOR NEW COLUMN FOOTINGS - SEE STRUCTURAL S200
2	REMOVE EXTERIOR SECRUITY SCREENS AND ASSOCIATED CONDUIT FROM WINDOWS
3	REMOVE DOOR
4	REMOVE EXISTING DOOR AND FRAME. PATCH OPENING TO MATCH ADJACENT CONSTRUCTION
5	REMOVE EXISTING DOOR - MODIFY FRAME FOR CASED OPENING
6	REMOVE ALL CEILING MATERIALS TO EXPOSE ALL CEILING FRAMING
7	REMOVE SOFFIT
8	REMOVE WALL AND PATCH CEILING TO MATCH EXISTING CONSTRUCTION
10	REMOVE EQUIPMENT / FIXTURE
11	REMOVE CASEWORK
12	MAINTAIN EXISTING HEARTH AND FIRE PLACE
13	REMOVE WINDOW
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15	REMOVE VERTICAL LOUVER SCREEN
16	REMOVE EXTERIOR LIGHTS ABOVE WINDOWS AND ASSOCIATED CONDUIT
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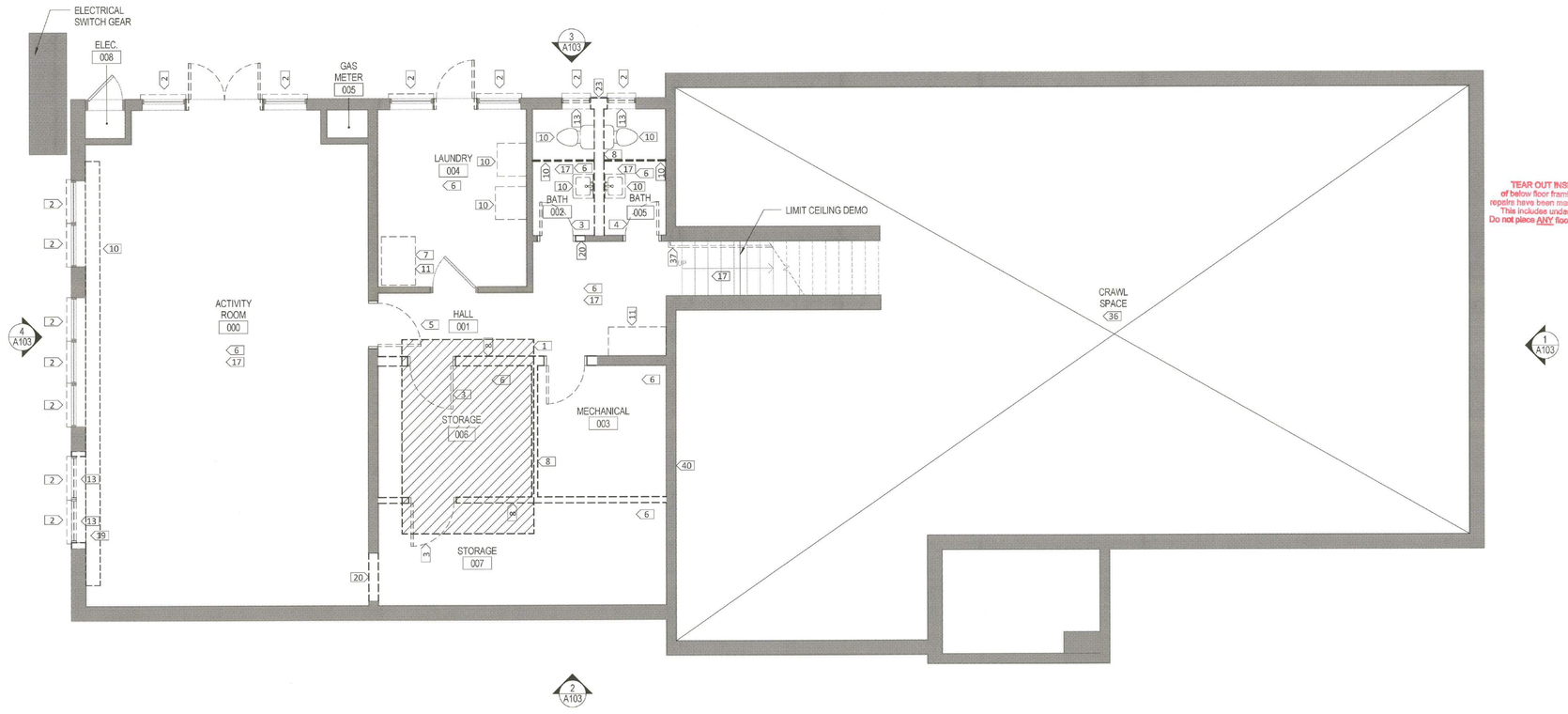
18	REMOVE CONCRETE CURB BETWEEN COLUMNS
19	REMOVE WALL BELOW WINDOW FOR NEW DOOR
20	DEMO WALL FOR NEW DOOR
21	REMOVE ALL EXTERIOR CONDUIT ASSOCIATED WITH EXTERIOR SECURITY LIGHTING ABOVE WINDOWS AND CONDUIT FOR WINDOW SECURITY SCREENS
22	REMOVE WATER HEATER, ENCLOSURE, ASSOCIATED PIPING, ELECTRICAL CONDUIT, GAS PIPING
23	REMOVE WALL FOR NEW WINDOW
24	REMOVE (E) LIGHT FIXTURE. NEW LIGHT FIXTURE TO BE INSTALLED AT SAME LOCATION
25	REMOVE CHAIN LINK FENCE
26	REMOVE DOWNSPOUT
27	REMOVE AND PREPARE AS NEEDED FOR "ROOF OVER" WHERE MECHANICAL DEMO OCCURS. SEE SHEET MD2.02
28	REMOVE (E) AC PAVING
29	(E) ROOF SCREEN. REMOVE FOR ROOF RE-COVER AND PUT BACK IN SAME LOCATION. REFASTEN IN SAME MANER AS EXISTING
30	(E) BUILT-IN ROOF GUTTER TO REMAIN
31	(E) PLUMBING VENT TO REMAIN TYP OF ALL - EVEN THOSE NOT SHOWN ON ROOF PLAN.
32	(E) EXHAUST FAN TO REMAIN
33	(E) BUR SYSTEM TO REMAIN; REMOVE (E) AGGREGATE FINISH
34	KEEP HORIZONTAL WOOD SIDING & SUB-STRUCTURE
35	DEMO (E) ROOF SCREEN AND (E) FLUE
36	CRAWL SPACE - NO ARCHITECTURAL DEMO. SEE PD2.00 FOR PLUMBING DEMO
37	REMOVE (E) HANDRAIL. REMOVE (E) GYP. AS NEEDED FOR (N) IN WALL BACKING AT (N) MOUNTING BRACKETS
38	DEMO (E) MASONRY TO DIMENSION SHOWN. INVESTIGATE ANY STRUCTURAL STABILITY ISSUES AND INFORM ARCHITECT PRIOR TO COMMENCING DEMO.
39	REMOVE FLOOR SHEATHING & JOISTS PER S200
40	REMOVED FRAMED WALL ABOVE CONCRETE WALL FOR MECH EQUIP AS SHOWN ON M2.00
41	(E) HOOD, ANSUL SYSTEM, RANGE TO REMAIN
42	(E) REFRIGERATOR TO BE RELOCATED. SEE A200
43	REMOVE WINDOW ADD-ALTERNATE. SEE WINDOW SCHEDULE ON A060
44	REMOVE WOOD SIDING & SUB-STRUCTURE
45	REMOVE (E) WALL AND CEILING GYP. BD. AS NEEDED TO CONSTRUCT (N) RATED WALL & CEILING LIFT ENCLOSURE

GENERAL NOTES - DEMOLITION PLAN

A. PROVIDE SAFE MEANS OF EGRESS THROUGH AND AROUND THE BUILDING AND SITE AT ALL TIMES.
B. PROVIDE FIRE EXTINGUISHERS PER AUTHORITY HAVING JURISDICTION'S REQUIREMENTS AT ALL TIMES THROUGHOUT CONSTRUCTION AREA.
C. ALL SHUTDOWNS OF MECHANICAL, SPRINKLER, FIRE ALARM AND ELECTRICAL SYSTEMS SHALL BE COORDINATED WITH OWNER. COMPLY WITH AUTHORITY HAVING JURISDICTION'S REQUIREMENTS FOR NOTIFICATION, FIRE WATCH, RE-TESTING, ETC.
D. AVOID DISRUPTION TO ADJACENT AREAS AS MUCH AS POSSIBLE. KEEP NOISE TO A LEVEL ACCEPTABLE TO THE OWNER BY SCHEDULING EXCESSIVE NOISE TASKS WITH OWNER. ALL SAW-CUTTING AND NOISE VIBRATION PRODUCING CONSTRUCTION TO BE SCHEDULED WITH OWNER SO AS TO NOT INTERFERE WITH ADJACENT OCCUPIED SPACES
E. PROVIDE CONSTRUCTION BARRIERS AND DUST CONTROL BETWEEN CONSTRUCTION AREAS AND OCCUPIED AREAS AT ALL TIMES.
F. VERIFY EXISTING CONDITIONS AND DIMENSIONS. COORDINATE THE EXTENT OF DEMOLITION WORK AND EXISTING CONSTRUCTION TO REMAIN WITH NEW WORK. NOTIFY ARCHITECT OF CONFLICTS.
G. DASHED LINES INDICATE EXISTING CONSTRUCTION TO BE REMOVED, UNLESS NOTED OTHERWISE.
H. REFER TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR DISCIPLINE SPECIFIC DEMOLITION ITEMS NOT SHOWN OR NOTED.
I. WHERE EXISTING CONSTRUCTION IS REMOVED, CUT, DRILLED, DAMAGED OR OTHERWISE DISTURBED, PATCH DEFECTIVE AND INCOMPLETE SURFACES AS REQUIRED TO MATCH ADJACENT, EXISTING UNDAMAGED SURFACES, UNLESS NOTED OTHERWISE.
J. REMOVE DESIGNATED WALLS AND PARTITIONS IN THEIR ENTIRETY INCLUDING DUCTS, PIPING, CONDUITS, BRACING AND OTHER ELEMENTS IN OR ON THESE ASSEMBLIES WHICH MAY OR MAY NOT BE SPECIFICALLY IDENTIFIED, UNLESS NOTED OTHERWISE
K. REPAIR AND PATCH OPENINGS IN WALLS, PARTITIONS, FLOORS AND CEILINGS THAT ARE TO REMAIN TO MATCH EXISTING, ADJACENT FINISHED SURFACE. MAINTAIN PENETRATION LISTINGS AND ALL FIRE RATING REQUIREMENTS.
L. PATCH FIRE PROOFING AS REQUIRED TO MAINTAIN RATING.
M. THOROUGHLY CLEAN AND PREPARE ALL SURFACES TO RECEIVE NEW FINISH OR COVERING. COMPLETELY REMOVE DIRT, DUST, GREASE, OIL, PAINT, LOOSE MATERIALS, SOIL, ETC AS NECESSARY. PLACE SURFACES IN MOST SUITABLE CONDITION FOR NEW FINISH.
N. ALL ITEMS INDICATED TO BE REMOVED AND SALVAGED FROM EXISTING WALLS INCLUDING BUT NOT LIMITED TO EQUIPMENT, TACK BOARDS, MARKER BOARDS, BUMPER RAILS, CORNER GUARDS, MIRRORS, SIGNS, DOORS/HARDWARE, NOTIFICATION DEVICES, ETC, SHALL BE RETURNED TO OWNER, UNLESS DIRECTED OTHERWISE. PATCH WALLS AS REQUIRED FOR NEW FINISHES.
O. WHERE EXISTING PIPING IS PARTIALLY REMOVED, CAP AND TAG END OF REMAINING PORTION.
P. REFER TO REFLECTED CEILING PLANS FOR EXTENT OF CEILING DEMOLITION. REMOVE UNUSED SUSPENSION WIRES, WALL ANGLES, BRACES, STRUTS, FRAMING, ETC.
Q. SEE CONSTRUCTION FLOOR PLANS ON SHEETS A200 - A201 FOR LOCATION OF NEW WALLS WHICH REQUIRE EXISTING CEILING DEMOLITION.
R. SEE SHEETS A102, A103, A104 FOR ADDITIONAL DEMOLITION.
S. REMOVE GYP BD IN CEILING AND WALLS AS NECESSARY FOR INSTALLATION OF ALL NEW WORK.
T. REMOVE ALL WALLCOVERINGS WHERE NEW PAINT IS INDICATED.



TEAR OUT INSPECTION REQUIRED
of below floor framing, even if no under floor repairs have been made, if any sub floor replaced. This includes under showers and bath tubs. Do not place ANY floor plywood before inspection.

1 1/4" DEMOLITION PLAN - BASEMENT
1/4" = 1'-0"

hga
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

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LICENSED ARCHITECT KEVIN M. DAY C-27256 4.30.2017 Renewal Date STATE OF CALIFORNIA

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

NO	DESCRIPTION	DATE
1	CO #1	08/26/2016

ISSUANCE HISTORY - THIS SHEET

JOB COPY TO REMAIN ON SITE AT ALL TIMES

HGA NO: 3505-003-01

DEMOLITION PLAN - BASEMENT

REVISION
SEP 06 2016
San Mateo County Building Inspection

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A100

CONSTRUCTION DOCUMENTS BID SET

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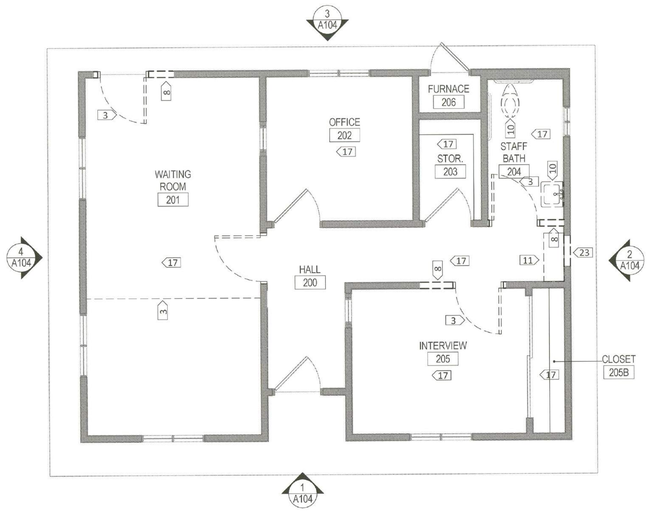
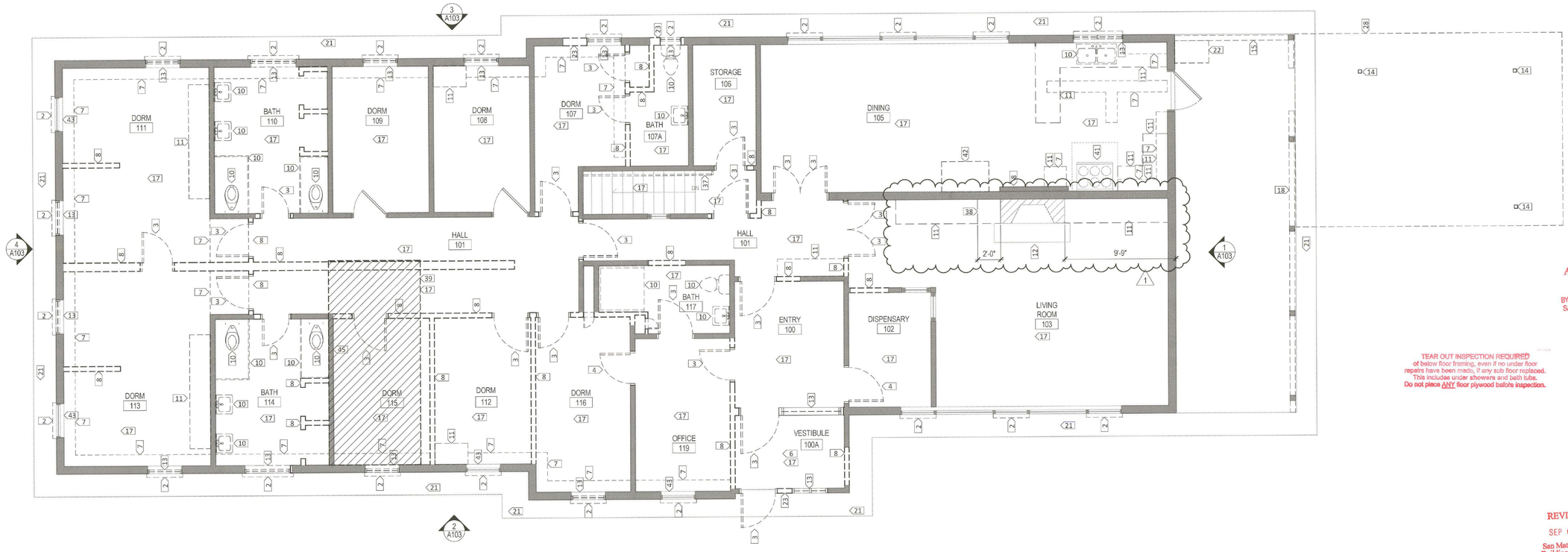


2 1/4" DEMOLITION PLAN - LEVEL 1 ADMINISTRATION BUILDING
1/4" = 1'-0"



1 1/4" DEMOLITION PLAN - LEVEL 1 MAIN BUILDING
1/4" = 1'-0"

KEYNOTES - DEMOLITION PLANS

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LICENSED ARCHITECT KEVIN DAY C-27256 9-30-2017 Renewal Date STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

TEAR OUT INSPECTION REQUIRED
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Do not piece ANY floor plywood before inspection.

REVISION
SEP 06 2016
San Mateo County Building Inspection

NO	DESCRIPTION	DATE
1	CO #1	08/26/2016

JOB COPY TO REMAIN ON SITE AT ALL TIMES

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

DEMOLITION PLAN - LEVEL 1

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A101

CONSTRUCTION DOCUMENTS BID SET

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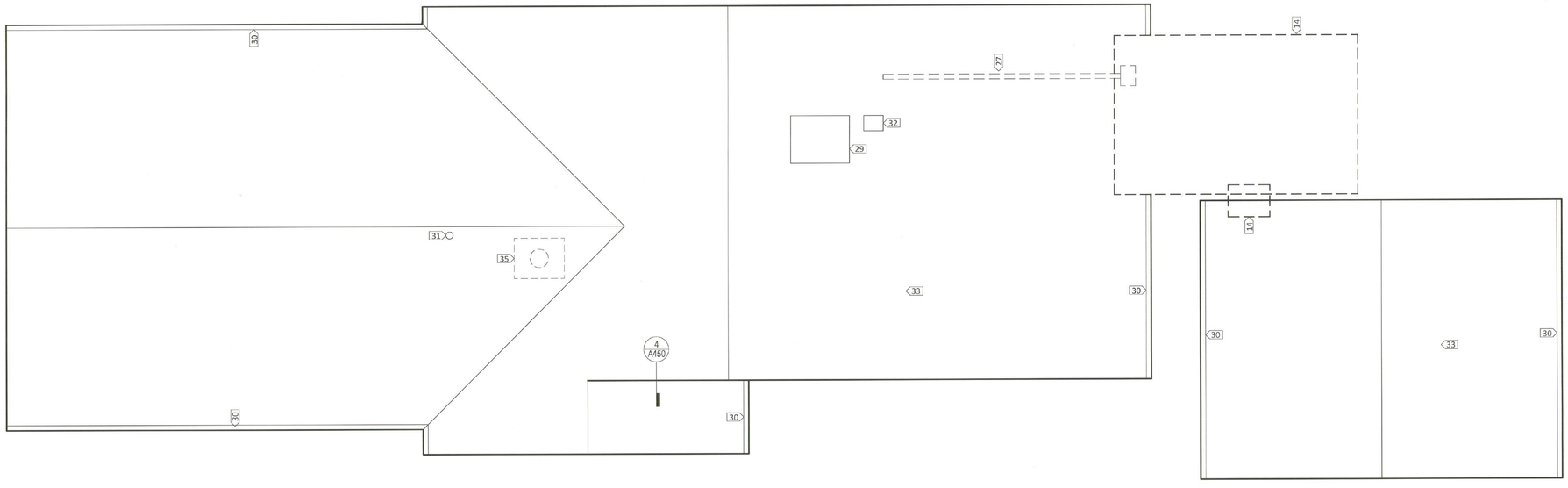
GENERAL NOTES - DEMOLITION PLAN

A. PROVIDE SAFE MEANS OF EGRESS THROUGH AND AROUND THE BUILDING AND SITE AT ALL TIMES.
B. PROVIDE FIRE EXTINGUISHERS PER AUTHORITY HAVING JURISDICTION'S REQUIREMENTS AT ALL TIMES THROUGHOUT CONSTRUCTION AREA.
C. ALL SHUTDOWNS OF MECHANICAL, SPRINKLER, FIRE ALARM AND ELECTRICAL SYSTEMS SHALL BE COORDINATED WITH OWNER. COMPLY WITH AUTHORITY HAVING JURISDICTION'S REQUIREMENTS FOR NOTIFICATION, FIRE WATCH, RE-TESTING, ETC.
D. AVOID DISRUPTION TO ADJACENT AREAS AS MUCH AS POSSIBLE. KEEP NOISE TO A LEVEL ACCEPTABLE TO THE OWNER BY SCHEDULING EXCESSIVE NOISE TASKS WITH OWNER. ALL SAW-CUTTING AND NOISE VIBRATION PRODUCING CONSTRUCTION TO BE SCHEDULED WITH OWNER SO AS TO NOT INTERFERE WITH ADJACENT OCCUPIED SPACES
E. PROVIDE CONSTRUCTION BARRIERS AND DUST CONTROL BETWEEN CONSTRUCTION AREAS AND OCCUPIED AREAS AT ALL TIMES.
F. VERIFY EXISTING CONDITIONS AND DIMENSIONS. COORDINATE THE EXTENT OF DEMOLITION WORK AND EXISTING CONSTRUCTION TO REMAIN WITH NEW WORK. NOTIFY ARCHITECT OF CONFLICTS.
G. DASHED LINES INDICATE EXISTING CONSTRUCTION TO BE REMOVED, UNLESS NOTED OTHERWISE.
H. REFER TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR DISCIPLINE SPECIFIC DEMOLITION ITEMS NOT SHOWN OR NOTED.
I. WHERE EXISTING CONSTRUCTION IS REMOVED, CUT, DRILLED, DAMAGED OR OTHERWISE DISTURBED, PATCH DEFECTIVE AND INCOMPLETE SURFACES AS REQUIRED TO MATCH ADJACENT, EXISTING UNDAMAGED SURFACES, UNLESS NOTED OTHERWISE.
J. REMOVE DESIGNATED WALLS AND PARTITIONS IN THEIR ENTIRETY INCLUDING DUCTS, PIPING, CONDUITS, BRACING AND OTHER ELEMENTS IN OR ON THESE ASSEMBLIES WHICH MAY OR MAY NOT BE SPECIFICALLY IDENTIFIED, UNLESS NOTED OTHERWISE.
K. REPAIR AND PATCH OPENINGS IN WALLS, PARTITIONS, FLOORS AND CEILINGS THAT ARE TO REMAIN TO MATCH EXISTING, ADJACENT FINISHED SURFACE. MAINTAIN PENETRATION LISTINGS AND ALL FIRE RATING REQUIREMENTS.
L. PATCH FIRE PROOFING AS REQUIRED TO MAINTAIN RATING.
M. THOROUGHLY CLEAN AND PREPARE ALL SURFACES TO RECEIVE NEW FINISH OR COVERING. COMPLETELY REMOVE DIRT, DUST, GREASE, OIL, PAINT, LOOSE MATERIALS, SOIL, ETC AS NECESSARY. PLACE SURFACES IN MOST SUITABLE CONDITION FOR NEW FINISH.
N. ALL ITEMS INDICATED TO BE REMOVED AND SALVAGED FROM EXISTING WALLS INCLUDING BUT NOT LIMITED TO EQUIPMENT, TACK BOARDS, MARKER BOARDS, BUMPER RAILS, CORNER GUARDS, MIRRORS, SIGNS, DOORS/HARDWARE. NOTIFICATION DEVICES, ETC, SHALL BE RETURNED TO OWNER, UNLESS DIRECTED OTHERWISE. PATCH WALLS AS REQUIRED FOR NEW FINISHES.
O. WHERE EXISTING PIPING IS PARTIALLY REMOVED, CAP AND TAG END OF REMAINING PORTION.
P. REFER TO REFLECTED CEILING PLANS FOR EXTENT OF CEILING DEMOLITION. REMOVE UNUSED SUSPENSION WIRES, WALL ANGLES, BRACES, STRUTS, FRAMING, ETC.
Q. SEE CONSTRUCTION FLOOR PLANS ON SHEETS A200 - A201 FOR LOCATION OF NEW WALLS WHICH REQUIRE EXISTING CEILING DEMOLITION.
R. SEE SHEETS A102, A103, A104 FOR ADDITIONAL DEMOLITION.
S. REMOVE GYP BD IN CEILING AND WALLS AS NECESSARY FOR INSTALLATION OF ALL NEW WORK.
T. REMOVE ALL WALLCOVERINGS WHERE NEW PAINT IS INDICATED.



2 DEMOLITION ROOF PLAN
3/16" = 1'-0"

hga
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

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SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

REGISTERED ARCHITECT Kevin M. Day C-27256 4/30/2017 RENEWAL STATE OF CALIFORNIA

APPROVED PLAN SEP 30 2016 BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

NO	DESCRIPTION	DATE
1	CO #1	08/26/2016

ISSUANCE HISTORY - THIS SHEET

FOR COUNTY PERMIT SUBMITTAL ONLY

HGA NO: 3505-003-01

DEMOLITION ROOF PLAN

REVISION
SEP 06 2016
San Mateo County Building Inspection

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A102

CONSTRUCTION DOCUMENTS BID SET

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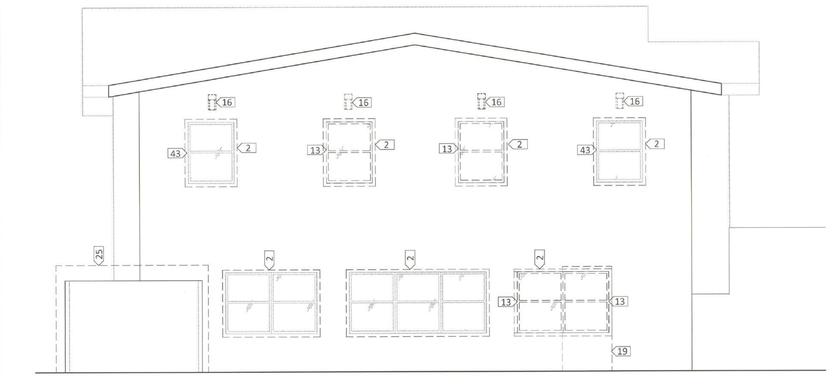
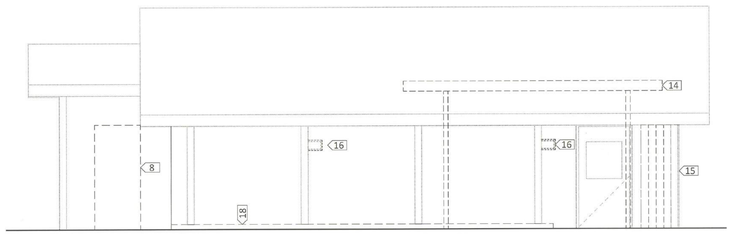


4 NORTH
1/4" = 1'-0"



1 SOUTH
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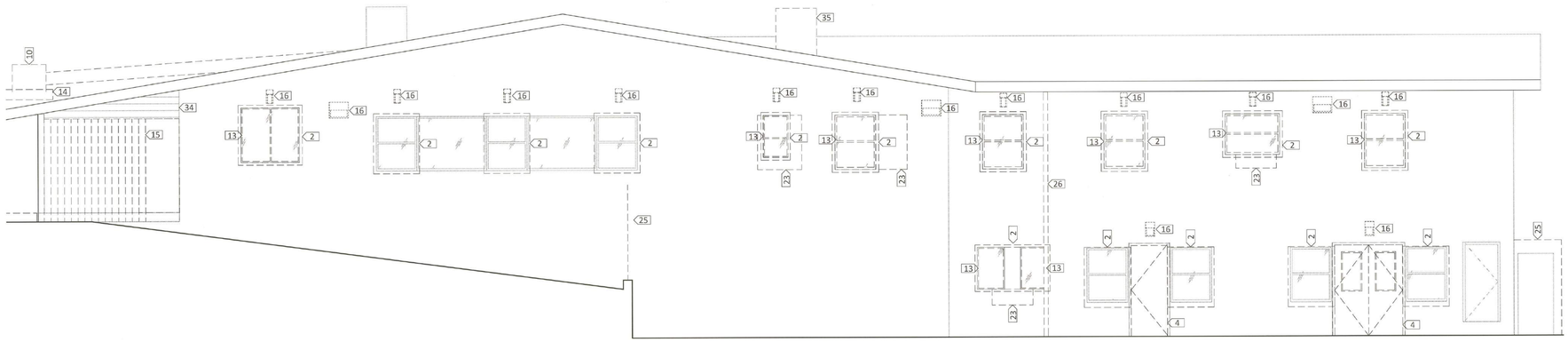
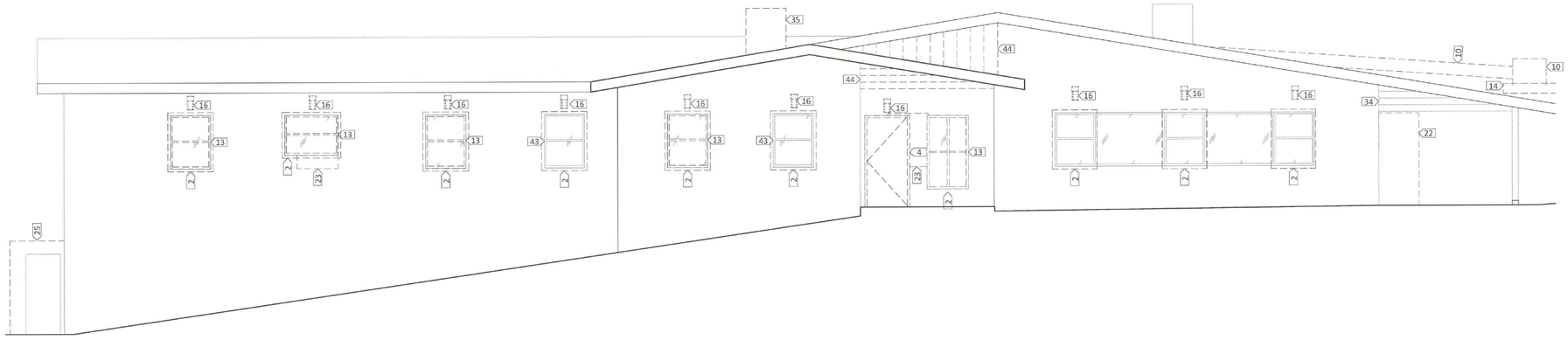


3 EAST
1/4" = 1'-0"



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KEYNOTES - DEMOLITION PLANS

#	DESCRIPTION
1	REMOVED CONCRETE SLAB AT LIFT / TO ALLOW FOR NEW COLUMN FOOTINGS - SEE STRUCTURAL S200
2	REMOVE EXTERIOR SECRUITY SCREENS AND ASSOCIATED CONDUIT FROM WINDOWS
3	REMOVE DOOR
4	REMOVE EXISTING DOOR AND FRAME. PATCH OPENING TO MATCH ADJACENT CONSTRUCTION
5	REMOVE EXISTING DOOR - MODIFY FRAME FOR CASED OPENING
6	REMOVE ALL CEILING MATERIALS TO EXPOSE ALL CEILING FRAMING
7	REMOVE SOFFIT
8	REMOVE WALL AND PATCH CEILING TO MATCH EXISTING CONSTRUCTION
10	REMOVE EQUIPMENT / FIXTURE
11	REMOVE CASEWORK
12	MAINTAIN EXISTING HEARTH AND FIRE PLACE
13	REMOVE WINDOW
14	REMOVE CANOPY & ASSOCIATED COLUMNS
15	REMOVE VERTICAL LOUVER SCREEN
16	REMOVE EXTERIOR LIGHTS ABOVE WINDOWS AND ASSOCIATED CONDUIT
17	REMOVE FLOOR FINISHES
18	REMOVE CONCRETE CURB BETWEEN COLUMNS
19	REMOVE WALL BELOW WINDOW FOR NEW DOOR
20	DEMO WALL FOR NEW DOOR
21	REMOVE ALL EXTERIOR CONDUIT ASSOCIATED WITH EXTERIOR SECURITY LIGHTING ABOVE WINDOWS AND CONDUIT FOR WINDOW SECURITY SCREENS
22	REMOVE WATER HEATER, ENCLOSURE, ASSOCIATED PIPING, ELECTRICAL CONDUIT, GAS PIPING
23	REMOVE WALL FOR NEW WINDOW
24	REMOVE (E) LIGHT FIXTURE. NEW LIGHT FIXTURE TO BE INSTALLED AT SAME LOCATION
25	REMOVE CHAIN LINK FENCE
26	REMOVE DOWNSPOUT
27	REMOVE AND PREPARE AS NEEDED FOR "ROOF OVER" WHERE MECHANICAL DEMO OCCURS. SEE SHEET MD2.02
28	REMOVE (E) AC PAVING
29	(E) ROOF SCREEN. REMOVE FOR ROOF RE-COVER AND PUT BACK IN SAME LOCATION. REFASTEN IN SAME MANER AS EXISTING
30	(E) BUILT-IN ROOF GUTTER TO REMAIN
31	(E) PLUMBING VENT TO REMAIN TYP OF ALL - EVEN THOSE NOT SHOWN ON ROOF PLAN.
32	(E) EXHAUST FAN TO REMAIN
33	(E) BUR SYSTEM TO REMAIN; REMOVE (E) AGGREGATE FINISH
34	KEEP HORIZONTAL WOOD SIDING & SUB-STRUCTURE
35	DEMO (E) ROOF SCREEN AND (E) FLUE
36	CRAWL SPACE - NO ARCHITECTURAL DEMO. SEE PD2.00 FOR PLUMBING DEMO
37	REMOVE (E) HANDRAIL. REMOVE (E) GYP. AS NEEDED FOR (N) IN WALL BACKING AT (N) MOUNTING BRACKETS
38	DEMO (E) MASONRY TO DIMENSION SHOWN. INVESTIGATE ANY STRUCTURAL STABILITY ISSUES AND INFORM ARCHITECT PRIOR TO COMMENCING DEMO.
39	REMOVE FLOOR SHEATHING & JOISTS PER S200
40	REMOVED FRAMED WALL ABOVE CONCRETE WALL FOR MECH EQUIP AS SHOWN ON M2.00
41	(E) HOOD, ANSUL SYSTEM, RANGE TO REMAIN
42	(E) REFRIGERATOR TO BE RELOCATED. SEE A200
43	REMOVE WINDOW ADD-ALTERNATE. SEE WINDOW SCHEDULE ON A060
44	REMOVE WOOD SIDING & SUB-STRUCTURE
45	REMOVE (E) WALL AND CEILING GYP. BD. AS NEEDED TO CONSTRUCT (N) RATED WALL & CEILING LIFT ENCLOSURE

REVISION
SEP 06 2016
San Mateo County Building Inspection

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SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

APPROVED PLAN
SEP 0 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY
TO REMAIN ON SITE AT ALL TIMES

NO	DESCRIPTION	DATE
1	CO #1	08/26/2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

DEMOLITION EXTERIOR ELEVATIONS - MAIN BUILDING

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A103

CONSTRUCTION DOCUMENTS BID SET

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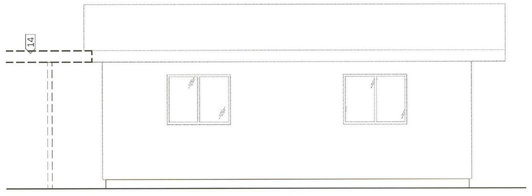

4 NORTH
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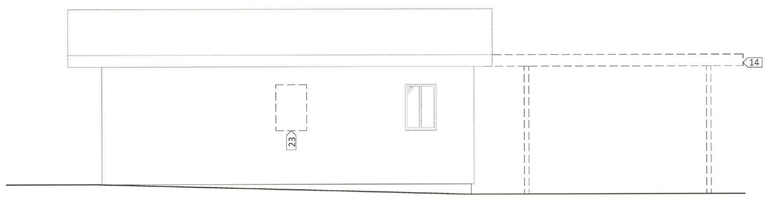

2 SOUTH
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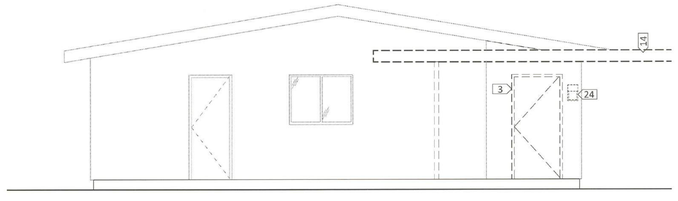

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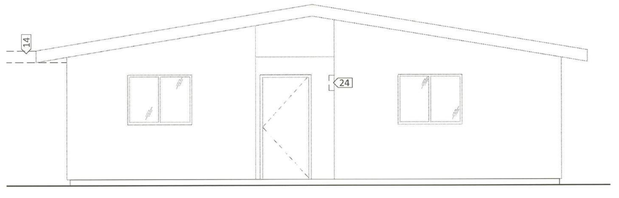

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12	MAINTAIN EXISTING HEARTH AND FIRE PLACE 1
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38	DEMO (E) MASONRY TO DIMENSION SHOWN. INVESTIGATE ANY STRUCTURAL STABILITY ISSUES AND INFORM ARCHITECT PRIOR TO COMMENCING DEMO.
39	REMOVE FLOOR SHEATHING & JOISTS PER S200
40	REMOVED FRAMED WALL ABOVE CONCRETE WALL FOR MECH EQUIP AS SHOWN ON M2.00
41	(E) HOOD, ANSUL SYSTEM, RANGE TO REMAIN
42	(E) REFRIGERATOR TO BE RELOCATED. SEE A200
43	REMOVE WINDOW ADD-ALTERNATE. SEE WINDOW SCHEDULE ON A060
44	REMOVE WOOD SIDING & SUB-STRUCTURE
45	REMOVE (E) WALL AND CEILING GYP. BD. AS NEEDED TO CONSTRUCT (N) RATED WALL & CEILING LIFT ENCLOSURE

REVISION
SEP 06 2016
San Mateo County Building Inspection

COUNTY OF SAN MATEO
FOUNDED 1856

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA.

REGISTERED ARCHITECT
KEVIN DAY
C-27256
9-30-2017
RENEWAL
STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

APPROVED PLANS
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY
TO REMAIN ON SITE AT ALL TIMES

NO	DESCRIPTION	DATE
1	CO #1	08/26/2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

DEMOLITION EXTERIOR ELEVATIONS - ADMINISTRATION BUILDING

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A104

CONSTRUCTION DOCUMENTS BID SET

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KEYNOTES - FLOOR PLAN

#	DESCRIPTION
1	CONSTRUCT NEW WALL TO MATCH EXISTING CONSTRUCTION - DEMOLISH GYP CEILING AS NECESSARY TO ATTACH WALL TO EXISTING FRAMING AT LEVEL 1
2	NEW DOOR AND FRAME
3	NEW FIRE EXTINGUISHER CABINET, RECESSED OR SURFACE MOUNTED PER PLAN
4	NEW PLUMBING FIXTURE. ANCHOR PER MFR. REQUIREMENTS
5	NEW ADA COMPLIANT RAILING - SEE DETAIL 4/A630
6	NEW CASEWORK. SEE INTERIOR ELEVATIONS ON A700, A701
7	NEW FLOOR FINISH AS PER FINISH PLAN ON SHEET I200
8	REPAINT ALL WALLS, TRIM, & CEILING AS PER FINISH PLAN ON SHEET I200
9	RAISE FLOOR TO MATCH ADJACENT
10	EXISTING FIRE ALARM EQUIPMENT
11	NEW DOOR IN EXISTING FRAME
13	NEW CONCRETE DEPRESSED SLAB W/ DOWELS TO (E) PER S200 & S800 TO MATCH EXTENTS OF ACTUAL SLAB DEMO
14	NEW FLOOR & JOISTS PER S200
15	SOUND MASKING CONTROLLER. SEE SPEC.
16	NEW WINDOW. SEE WINDOW SCHEDULE.
17	NEW WINDOW ADD ALTERNATE. SEE WINDOW SCHEDULE.
18	NEW COLUMN WITHIN WALL. SEE STRUCTURAL
19	(N) DISHWASHER. FLOOR MUST BE FLAT AND LEVEL UNDER AND IN FRONT OF DISHWASHER. ANCHOR PER MFR. REQUIREMENTS. SEE SPEC.
20	EXISTING MASONRY. DIMENSIONS V.I.F. EXISTING FIREPLACE AND HEARTH TO REMAIN. ADD ALTERNATE GAS INSERT. FOR GAS INSERT OPTION, PLEASE NOTE THERE IS (E) ASBESTOS IN THE FIRE BOX.

GENERAL NOTES - CONSTRUCTION PLAN

A. ALL INTERIOR PARTITIONS SHALL BE "A3b" UNLESS NOTED OTHERWISE.

B. PLAN DIMENSIONS ARE FROM FACE OF FINISH WHERE "HOLD" OR "CLEAR" ARE INDICATED. ALL OTHER PLAN DIMENSIONS ARE FROM FACE OF PARTITION TYPE AND DO NOT INCLUDE APPLIED FINISHES.

C. ENSURE FINISH SURFACES ARE FLUSH AND SEAMLESS WHERE PARTITIONS AND/OR FURRING ARE COPLANAR.

D. ALL PIPING, CONDUITS AND RELATED MECHANICAL AND ELECTRICAL ITEMS SHALL BE CONCEALED WITHIN PARTITION/WALL ASSEMBLY IN FINISHED AREAS UNLESS NOTED OTHERWISE.

E. PROVIDE 2X BACKING/BLOCKING AS NECESSARY TO SUPPORT ALL WALL OR CEILING MOUNTED ITEMS.

F. ALL MECHANICAL EQUIPMENT PADS TO BE 4" HIGH MINIMUM, UNLESS NOTED OTHERWISE. SIZE OF PADS TO BE VERIFIED BY CONTRACTOR

G. REFER TO SHEET A430 FOR DETAIL OF TYPICAL DOOR JAMB AT ABUTTING WALLS OR PARTITIONS.

H. PATCH ALL HOLES IN EXISTING SURFACES WHERE EQUIPMENT HAS BEEN REMOVED OR DEMOLITION HAS OCCURRED. PREPARE SURFACES AS REQUIRED FOR NEW FINISHES. PATCH TO MATCH ADJACENT SURFACE IF NOT SCHEDULED.

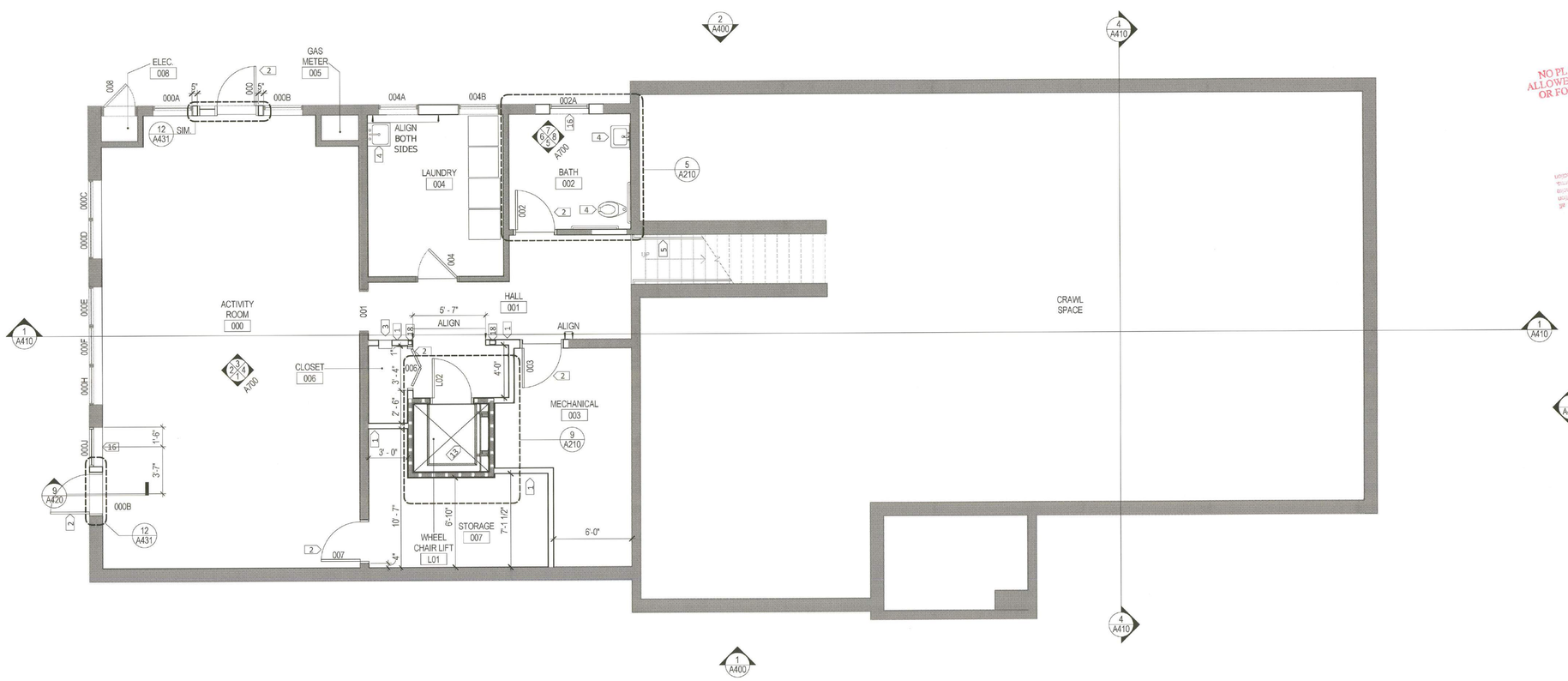
I. ALL EXISTING FLOOR OPENINGS AND DEPRESSIONS IN THE WORK SHALL BE FILLED OR CLOSED, UNLESS NOTED OTHERWISE, WITH MATERIALS TO MATCH ADJACENT SURFACES, FINISHES AND FIRE RATINGS.

J. REMOVE GYP BD IN CEILING AND WALLS AS NECESSARY FOR INSTALLATION OF ALL NEW WORK. REPAIR AND PATCH GYP BD AS NECESSARY TO MATCH EXISTING CONSTRUCTION FOLLOWING INSTALLATION OF NEW WORK.

K. SEE SPECIFICATIONS FOR FINISH LEVEL OF GYP. BD. WALLS AND CEILINGS

L. SMOKE & CARBON MONOXIDE ALARMS REQUIRED: SMOKE & CARBON MONOXIDE ALARMS ARE REQUIRED TO BE INSTALLED IN ALL RESIDENCES. IF ACCESSIBLE THEY SHALL BE HARD WIRED COMBINATION SMOKE/CARBON MONOXIDE ALARMS. IF YOU CURRENTLY HAVE HARDWIRED SMOKE ALARMS THEY MUST BE CHANGED OUT FOR HARDWIRED COMBINATION ALARMS. ALL ALARMS ARE REQUIRED TO BE FASTENED IN PLACE. (CBC SECTION 907.2.11.2.)

M. RESCUE EGRESS REQUIRED: ALL ESCAPE OR RESCUE WINDOWS SHALL HAVE A MINIMUM NET CLEAR OPENABLE AREA OF 5.7 SQ. FT. THE MINIMUM NET CLEAR OPENABLE HEIGHT DIMENSION SHALL BE 24 INCHES. THE MINIMUM NET CLEAR OPENABLE WIDTH DIMENSION SHALL BE 20 INCHES. WHEN WINDOWS ARE PROVIDED AS A MEANS OF ESCAPE OR RESCUE THEY SHALL HAVE A FINISHED SILL HEIGHT NOT MORE THAN 44 INCHES ABOVE THE FLOOR.



1 1/4" FLOOR PLAN - BASEMENT (OCCUPANCY R-4)
1/4" = 1'-0"

hga
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER
HGA
1200 R STREET, SUITE 100
SACRAMENTO, CA 95811
916.787.5100

MECHANICAL/ELECTRICAL/ PLUMBING ENGINEER
INTERFACE ENGINEERING, INC.
135 MAIN STREET, SUITE 400
SAN FRANCISCO, CA 94105
415.489.3213

CIVIL ENGINEER
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255 SHORELINE DRIVE #200
REDWOOD CITY, CA 94065
650.482.6300

LANDSCAPE ARCHITECT
RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

NO PLASTIC PLUMBING ALLOWED WITHIN BUILDING OR FOR WATER SERVICE

SMOKE & CARBON MONOXIDE ALARMS REQUIRED
Smoke and carbon monoxide alarms are required to be installed in all residences. If accessible they shall be hard wired combination smoke/carbon monoxide alarms. If you currently have hardwired smoke alarms they must be changed out for a hardwired combination alarms. All alarms are required to be fastened in place. (CBC, section 907.2.11.2.).

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

LICENSED ARCHITECT
KEVIN M. DAY
C-27256
4-30-2017
Renewal Date
STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY TO REMAIN ON SITE AT ALL TIMES

NO	DESCRIPTION	DATE
1	CO #1	08/26/2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

CONSTRUCTION FLOOR PLAN - BASEMENT

REVISION
SEP 06 2016
San Mateo County Building Inspection

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A200

CONSTRUCTION DOCUMENTS BID SET

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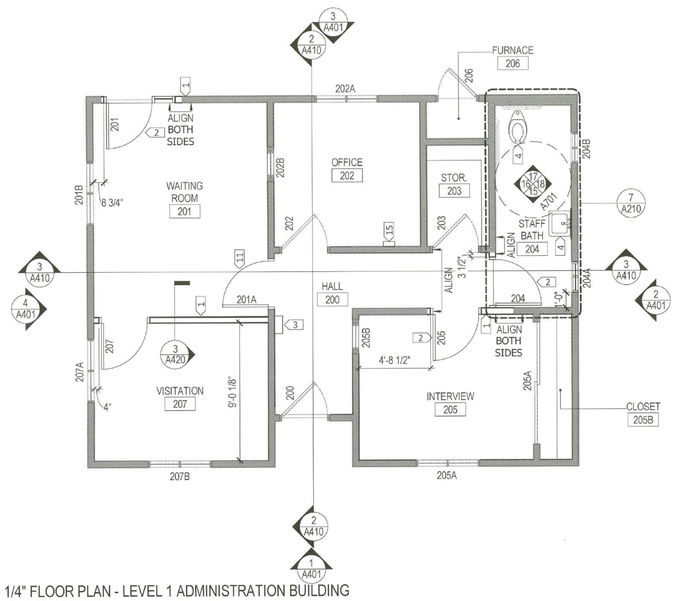

1/4" FLOOR PLAN - LEVEL 1 ADMINISTRATION BUILDING (OCCUPANCY B)

2 1/4" = 1'-0"

KEYNOTES - FLOOR PLAN

#	DESCRIPTION
1	CONSTRUCT NEW WALL TO MATCH EXISTING CONSTRUCTION - DEMOLISH GYP CEILING AS NECESSARY TO ATTACH WALL TO EXISTING FRAMING AT LEVEL 1
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3	NEW FIRE EXTINGUISHER CABINET, RECESSED OR SURFACE MOUNTED PER PLAN
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5	NEW ADA COMPLIANT RAILING - SEE DETAIL 4/A630
6	NEW CASEWORK. SEE INTERIOR ELEVATIONS ON A700, A701
7	NEW FLOOR FINISH AS PER FINISH PLAN ON SHEET I200
8	REPAINT ALL WALLS, TRIM, & CEILING AS PER FINISH PLAN ON SHEET I200
9	RAISE FLOOR TO MATCH ADJACENT
10	EXISTING FIRE ALARM EQUIPMENT
11	NEW DOOR IN EXISTING FRAME
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20	EXISTING MASONRY. DIMENSIONS V.I.F. EXISTING FIREPLACE AND HEARTH TO REMAIN. ADD ALTERNATE GAS INSERT. FOR GAS INSERT OPTION, PLEASE NOTE THERE IS (E) ASBESTOS IN THE FIRE BOX.

GENERAL NOTES - CONSTRUCTION PLAN

A. ALL INTERIOR PARTITIONS SHALL BE "A3b" UNLESS NOTED OTHERWISE.

B. PLAN DIMENSIONS ARE FROM FACE OF FINISH WHERE "HOLD" OR "CLEAR" ARE INDICATED. ALL OTHER PLAN DIMENSIONS ARE FROM FACE OF PARTITION TYPE AND DO NOT INCLUDE APPLIED FINISHES.

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D. ALL PIPING, CONDUITS AND RELATED MECHANICAL AND ELECTRICAL ITEMS SHALL BE CONCEALED WITHIN PARTITION/WALL ASSEMBLY IN FINISHED AREAS UNLESS NOTED OTHERWISE.

E. PROVIDE 2X BACKING/BLOCKING AS NECESSARY TO SUPPORT ALL WALL OR CEILING MOUNTED ITEMS.

F. ALL MECHANICAL EQUIPMENT PADS TO BE 4" HIGH MINIMUM, UNLESS NOTED OTHERWISE. SIZE OF PADS TO BE VERIFIED BY CONTRACTOR

G. REFER TO SHEET A430 FOR DETAIL OF TYPICAL DOOR JAMB AT ABUTTING WALLS OR PARTITIONS.

H. PATCH ALL HOLES IN EXISTING SURFACES WHERE EQUIPMENT HAS BEEN REMOVED OR DEMOLITION HAS OCCURRED. PREPARE SURFACES AS REQUIRED FOR NEW FINISHES. PATCH TO MATCH ADJACENT SURFACE IF NOT SCHEDULED.

I. ALL EXISTING FLOOR OPENINGS AND DEPRESSIONS IN THE WORK SHALL BE FILLED OR CLOSED, UNLESS NOTED OTHERWISE, WITH MATERIALS TO MATCH ADJACENT SURFACES, FINISHES AND FIRE RATINGS.

J. REMOVE GYP BD IN CEILING AND WALLS AS NECESSARY FOR INSTALLATION OF ALL NEW WORK. REPAIR AND PATCH GYP BD AS NECESSARY TO MATCH EXISTING CONSTRUCTION FOLLOWING INSTALLATION OF NEW WORK.

K. SEE SPECIFICATIONS FOR FINISH LEVEL OF GYP. BD. WALLS AND CEILINGS

L. SMOKE & CARBON MONOXIDE ALARMS REQUIRED: SMOKE & CARBON MONOXIDE ALARMS ARE REQUIRED TO BE INSTALLED IN ALL RESIDENCES. IF ACCESSIBLE THEY SHALL BE HARD WIRED COMBINATION SMOKE/CARBON MONOXIDE ALARMS. IF YOU CURRENTLY HAVE HARDWIRED SMOKE ALARMS THEY MUST BE CHANGED OUT FOR HARDWIRED COMBINATION ALARMS. ALL ALARMS ARE REQUIRED TO BE FASTENED IN PLACE. (CBC SECTION 907.2.11.2.)

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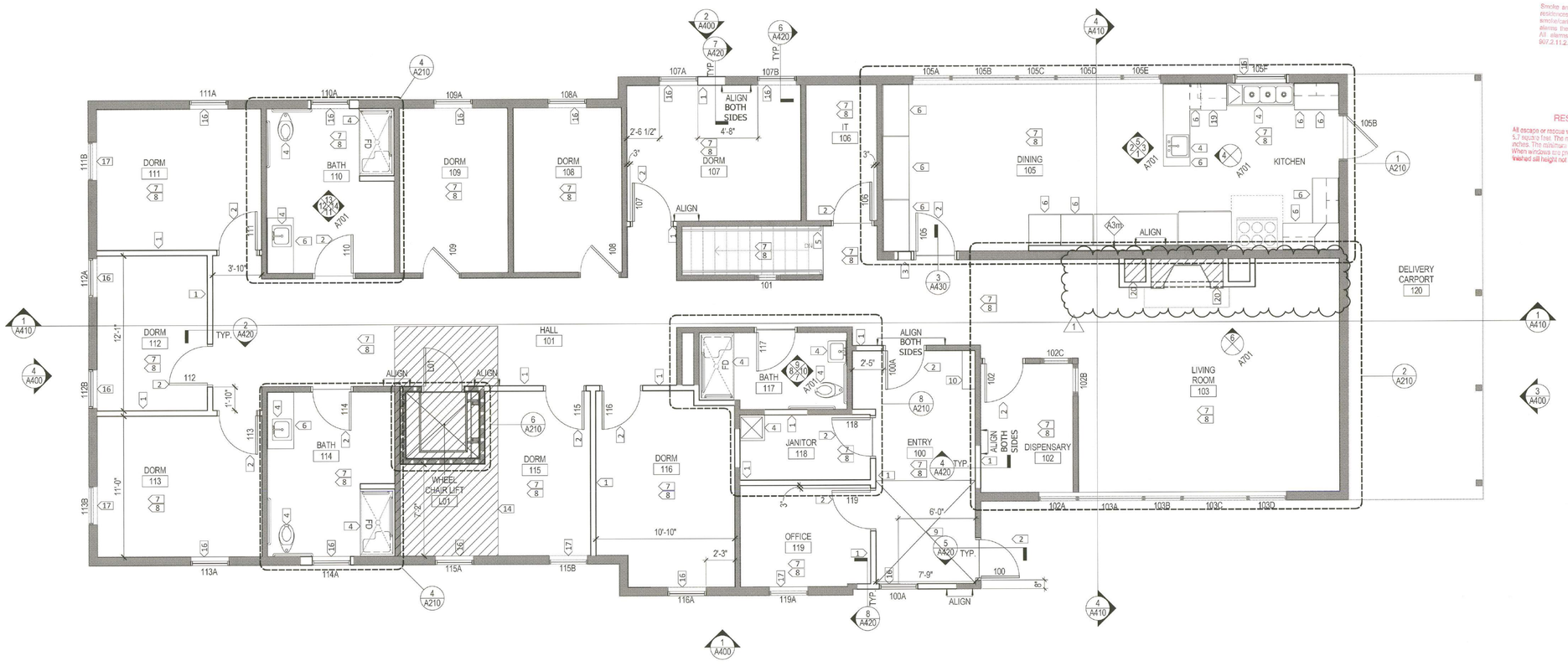
NO PLASTIC PLUMBING ALLOWED WITHIN BUILDING OR FOR WATER SERVICE

SMOKE & CARBON MONOXIDE ALARMS REQUIRED

Smoke and carbon monoxide alarms are required to be installed in all residences. If accessible they shall be hard wired combination smoke/carbon monoxide alarms. If you currently have hardwired smoke alarms they must be changed out for a hardwired combination alarms. All alarms are required to be fastened in place. (CBC, section 907.2.11.2.).

RESCUE EGRESS REQUIRED

All escape or rescue windows shall have a minimum net clear openable area of 5.7 square feet. The minimum net clear openable height dimension shall be 24 inches. The minimum net clear openable width dimension shall be 20 inches. When windows are provided as a means of escape or rescue they shall have a finished sill height not more than 44 inches above the floor.



1/4" FLOOR PLAN - LEVEL 1 MAIN BUILDING (OCCUPANCY R-4)

1 1/4" = 1'-0"

hga
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER
HGA
1200 R STREET, SUITE 100
SACRAMENTO, CA 95811
916.787.5100

MECHANICAL/ELECTRICAL/ PLUMBING ENGINEER
INTERFACE ENGINEERING, INC.
135 MAIN STREET, SUITE 400
SAN FRANCISCO, CA 94105
415.489.3213

CIVIL ENGINEER
BKF
255 SHORELINE DRIVE #200
REDWOOD CITY, CA 94065
650.482.6300

LANDSCAPE ARCHITECT
RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

COUNTY OF SAN MATEO FOUNDED 1856

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

LICENSED ARCHITECT Kevin M Day C-27256 4-30-2017 Renewal Date STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

NO	DESCRIPTION	DATE
1	CO #1	08/26/2016

JOB COPY TO REMAIN ON SITE AT ALL TIMES

ISSUANCE / HISTORY - TITLE SHEET

HGA NO: 3505-003-01

CONSTRUCTION FLOOR PLAN - LEVEL 1

REVISION
SEP 06 2016
San Mateo County Building Inspection

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A201

CONSTRUCTION DOCUMENTS BID SET

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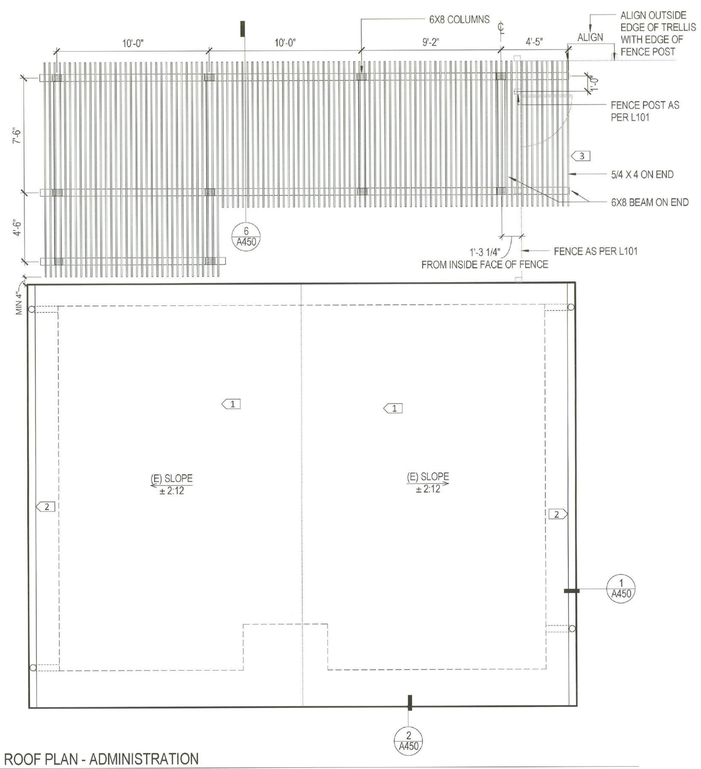
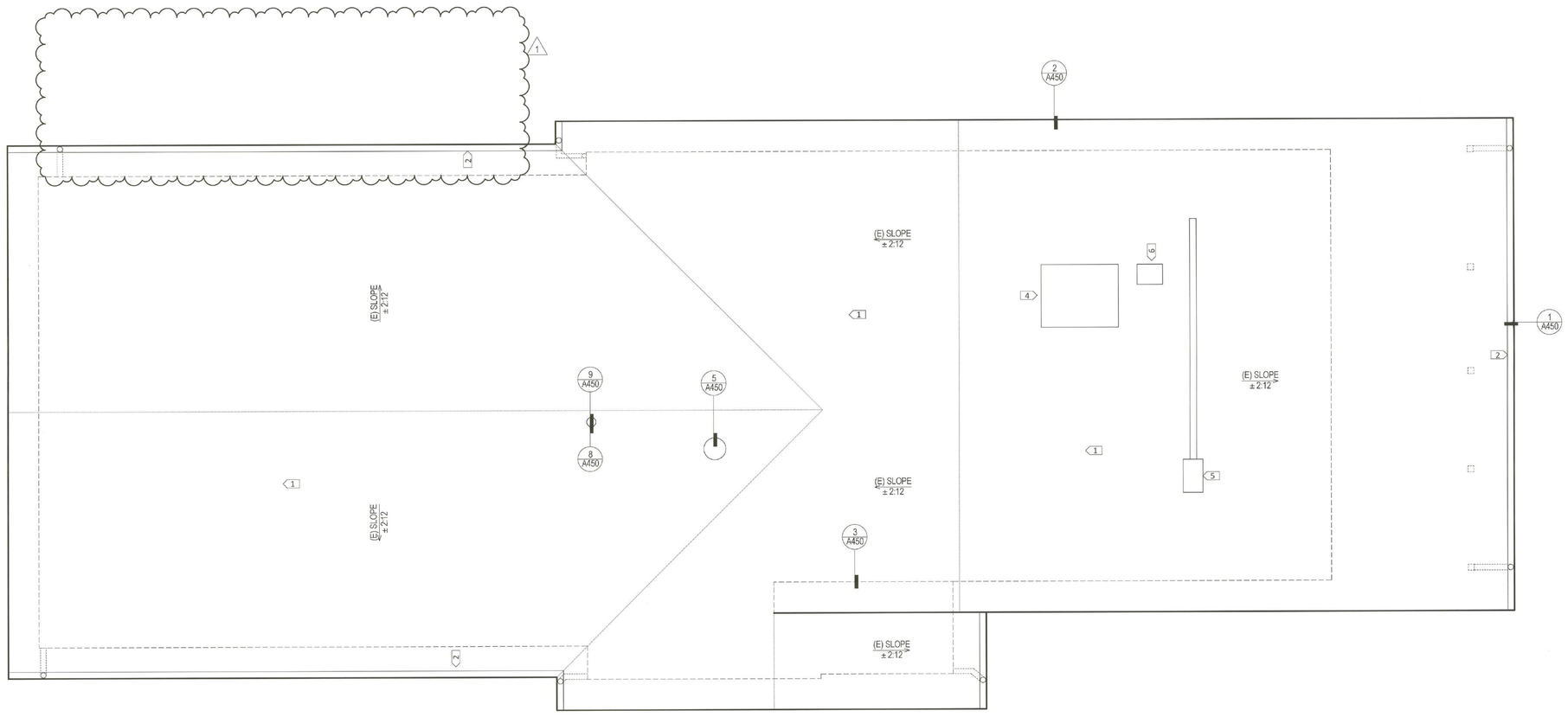
8/30/2016 10:41:02 AM
Author



2 ROOF PLAN - ADMINISTRATION
1/4" = 1'-0"



1 ROOF PLAN - MAIN BUILDING
1/4" = 1'-0"

KEYNOTES - ROOF PLAN

#	DESCRIPTION
1	NEW BUR MEMBRANE SYSTEM OVER EXISTING WOOD DECKING. REPAIR OR REPLACE WOOD DECKING AS NECESSARY.
2	(E) BUILT-IN ROOF GUTTER TO REMAIN FOR RE-USE
3	(N) REDWOOD TRELLIS. SEE A400, A401, AND A450. SEE STRUCTURAL FOR BEAM AND FOUNDATION CONNECTIONS.
4	(E) CHIMNEY. REMOVE SCREEN FOR NEW BUR SYSTEM AND PUT BACK IN SAME LOCATION. REFASTEN IN SAME MANNER AS EXISTING. INFORM ARCHITECT OF MANNER OF FASTENING FOR REVIEW WITH STRUCTURAL ENGINEER.
5	NEW MAKE-UP AIR UNIT. SEE M2.02
6	(E) KITCHEN EXHAUST FAN TO REMAIN

GENERAL NOTES - ROOF PLAN

A. SEE SPECIFICATIONS AND DETAILS FOR NEW BUR SYSTEM AND ELEMENTS.

B. REFER TO THIS SHEET AND ELEVATIONS FOR APPROXIMATE LOCATION OF RUN OFF DOWNSPOUTS. EXTEND OUTLETS AWAY FROM BUIDLING FOUNDATION WHERE NEEDED FOR APPROPRIATE DRAINAGE.

hga.
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER
HGA
1200 R STREET, SUITE 100
SACRAMENTO, CA 95811
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COUNTY OF SAN MATEO FOUNDED 1856

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LICENSED ARCHITECT C-27256 4.30.2017 RENEWAL DATE STATE OF CALIFORNIA

NAME: KELVIN DAY
DATE: AUGUST 26, 2016
LICENSE NUMBER C-27256

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY TO REMAIN ON SITE AT ALL TIMES

NO	DESCRIPTION	DATE
1	30 DAY	08/26/2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

ROOF PLAN

REVISION
SEP 06 2016
San Mateo County Building Inspection

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A202

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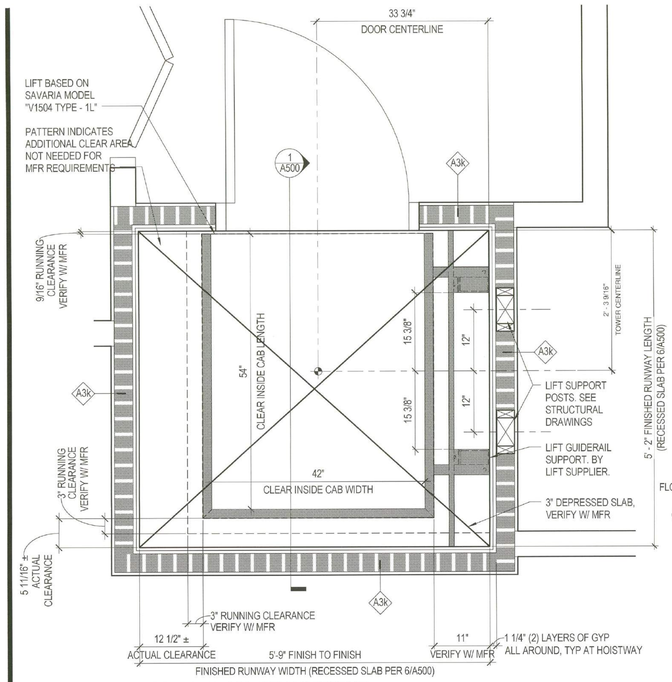
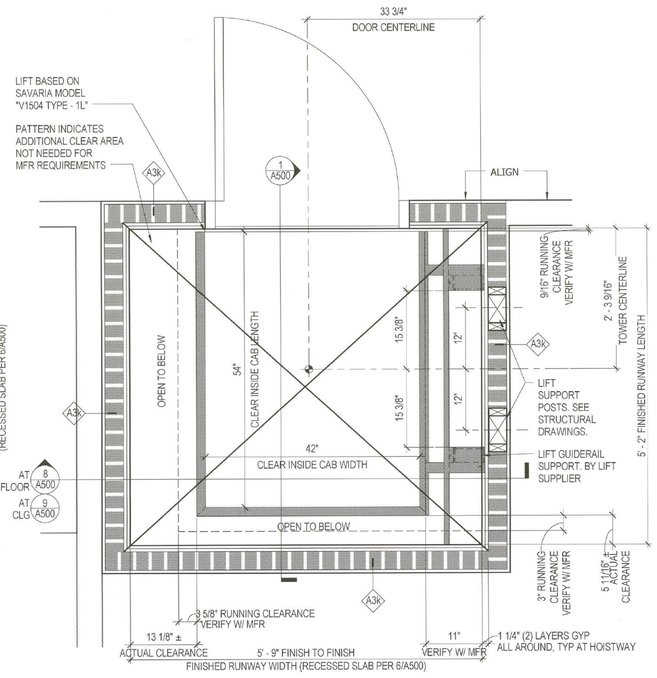


9 ENLARGED FLOOR PLAN - L01 - LIFT, BASEMENT
1" = 1'-0"



6 ENLARGED FLOOR PLAN - L01 - LIFT, FIRST FLOOR
1" = 1'-0"

KEYNOTES - ENGLARGED FLOOR PLAN

#	DESCRIPTION
1	EXISTING FIREPLACE AND HEARTH TO REMAIN. SEE A701 FOR FINISHES
2	AREA RUG - BY OPERATOR
3	FLOOR TO CEILING FURRED WALL, GYP. BD. FINISH ONE SIDE
4	FURNITURE / EQUIPMENT BY OPERATOR
5	60" CLEAR ACCESSIBLE TURNING CIRCLE
6	30" X 48" CLEARANCE AT SINK
7	CLEAR AREA AT DOOR. SEE DETAIL 2/A430
8	(N) FREEZER
9	(E) REFRIGERATOR
10	(E) RANGE
11	(E) HOOD AND ANSUL
12	(N) SINK. SEE PLUMBING.
13	(N) DISHWASHER. FLOOR MUST BE FLAT AND LEVEL UNDER AND IN FRONT OF DISHWASHER. SEE SPEC.
14	(N) MOP SINK. SEE PLUMBING.
15	COFFEE STATION
16	(N) CASEWORK. SEE INTERIOR ELEVATIONS ON A700, A701
17	MAINTAIN CLEARANCE FOR NECESSARY CHEMICAL CONTAINERS AS REQUIRED PER MFR.
18	(N) RECESSED FIRE EXTINGUISHER IN (N) WALL
19	WALL ABOVE FIRE PLACE
20	EXISTING MASONRY. DIMENSIONS V.I.F. EXISTING FIREPLACE AND HEARTH TO REMAIN. ADD ALTERNATE GAS INSERT. FOR GAS INSERT OPTION, PLEASE NOTE THERE IS (E) ASBESTOS IN THE FIRE BOX. 1

GENERAL NOTES - CONSTRUCTION PLAN

A. ALL INTERIOR PARTITIONS SHALL BE "A3b" UNLESS NOTED OTHERWISE.
B. PLAN DIMENSIONS ARE FROM FACE OF FINISH WHERE "HOLD" OR "CLEAR" ARE INDICATED. ALL OTHER PLAN DIMENSIONS ARE FROM FACE OF PARTITION TYPE AND DO NOT INCLUDE APPLIED FINISHES.
C. ENSURE FINISH SURFACES ARE FLUSH AND SEAMLESS WHERE PARTITIONS AND/OR FURRING ARE COPLANAR.
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E. PROVIDE 2X BACKING/BLOCKING AS NECESSARY TO SUPPORT ALL WALL OR CEILING MOUNTED ITEMS.
F. ALL MECHANICAL EQUIPMENT PADS TO BE 4" HIGH MINIMUM, UNLESS NOTED OTHERWISE. SIZE OF PADS TO BE VERIFIED BY CONTRACTOR
G. REFER TO SHEET A430 FOR DETAIL OF TYPICAL DOOR JAMB AT ABUTTING WALLS OR PARTITIONS.
H. PATCH ALL HOLES IN EXISTING SURFACES WHERE EQUIPMENT HAS BEEN REMOVED OR DEMOLITION HAS OCCURRED. PREPARE SURFACES AS REQUIRED FOR NEW FINISHES. PATCH TO MATCH ADJACENT SURFACE IF NOT SCHEDULED.
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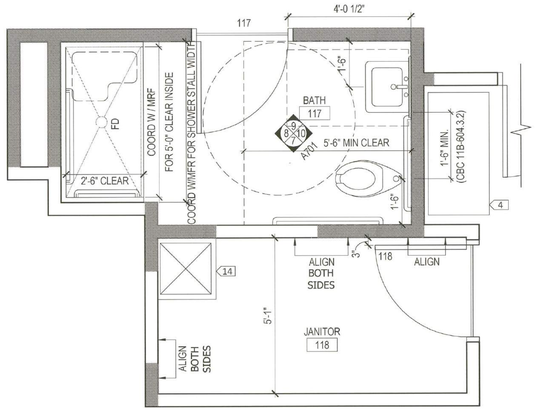
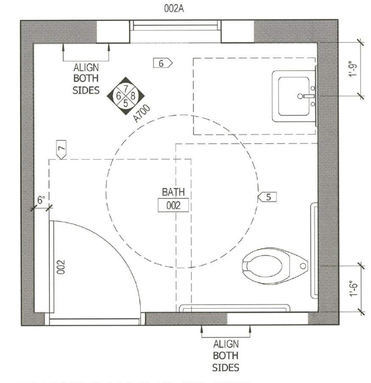
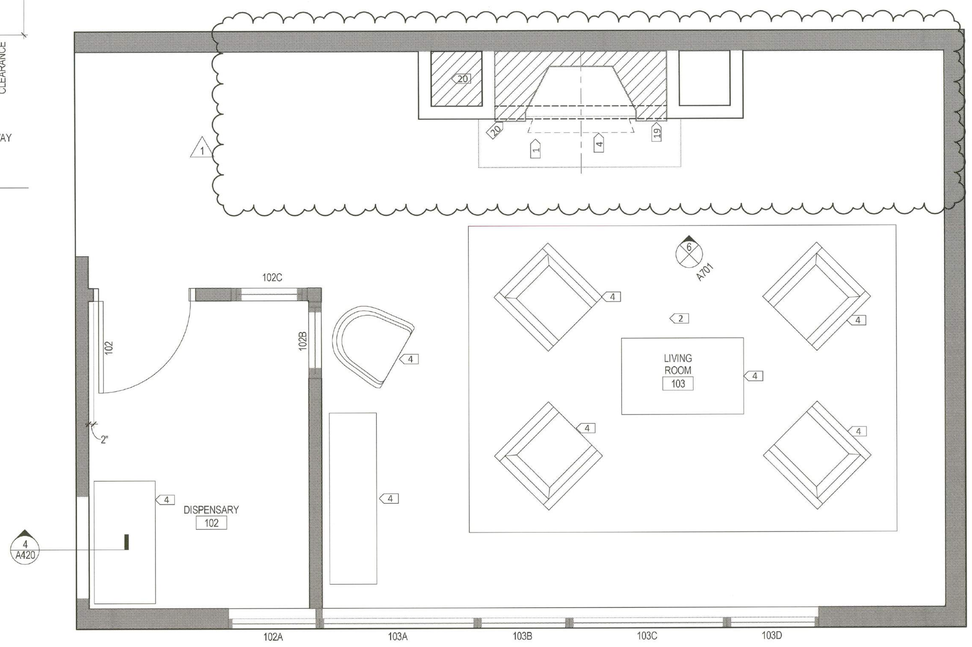
J. REMOVE GYP BD IN CEILING AND WALLS AS NECESSARY FOR INSTALLATION OF ALL NEW WORK. REPAIR AND PATCH GYP BD AS NECESSARY TO MATCH EXISTING CONSTRUCTION FOLLOWING INSTALLATION OF NEW WORK.
K. SEE SPECIFICATIONS FOR FINISH LEVEL OF GYP. BD. WALLS AND CEILINGS.
L. SMOKE & CARBON MONOXIDE ALARMS REQUIRED: SMOKE & CARBON MONOXIDE ALARMS ARE REQUIRED TO BE INSTALLED IN ALL RESIDENCES. IF ACCESSIBLE THEY SHALL BE HARD WIRED COMBINATION SMOKE/CARBON MONOXIDE ALARMS. IF YOU CURRENTLY HAVE HARDWIRED SMOKE ALARMS THEY MUST BE CHANGED OUT FOR HARDWIRED COMBINATION ALARMS. ALL ALARMS ARE REQUIRED TO BE FASTENED IN PLACE. (CBC SECTION 907.2.11.2.)
M. RESCUE EGRESS REQUIRED: ALL ESCAPE OR RESCUE WINDOWS SHALL HAVE A MINIMUM NET CLEAR OPENABLE AREA OF 5.7 SQ. FT. THE MINIMUM NET CLEAR OPENABLE HEIGHT DIMENSION SHALL BE 24 INCHES. THE MINIMUM NET CLEAR OPENABLE WIDTH DIMENSION SHALL BE 20 INCHES. WHEN WINDOWS ARE PROVIDED AS A MEANS OF ESCAPE OR RESCUE THEY SHALL HAVE A FINISHED SILL HEIGHT NOT MORE THAN 44 INCHES ABOVE THE FLOOR.



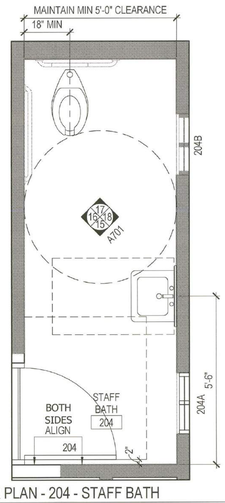
8 ENLARGED FLOOR PLAN - 117 - BATH
1/2" = 1'-0"



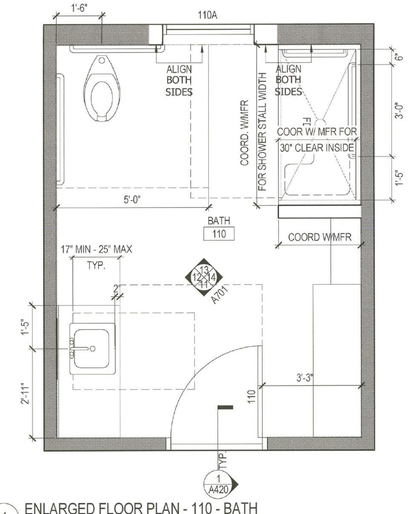
5 ENLARGED FLOOR PLAN - 002 - BATH
1/2" = 1'-0"



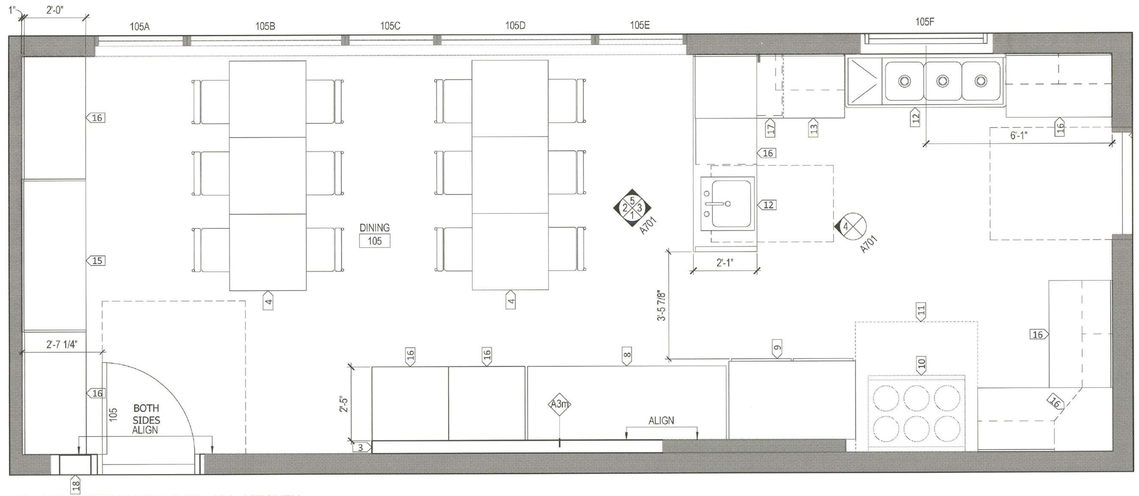
2 ENLARGED FLOOR PLAN - 103 - LIVING ROOM
1/2" = 1'-0"



7 ENLARGED FLOOR PLAN - 204 - STAFF BATH
1/2" = 1'-0"



4 ENLARGED FLOOR PLAN - 110 - BATH
1/2" = 1'-0"



1 ENLARGED FLOOR PLAN - 104 - KITCHEN
1/2" = 1'-0"

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San Francisco, California 94108
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650.482.6300

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RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

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SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME, OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

APPROVED PLANS
SEP 8 0 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY TO REMAIN ON SITE AT ALL TIMES

NO	DESCRIPTION	DATE
	CO #1	08/26/2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

ENLARGED FLOOR PLANS

REVISION
SEP 0 6 2016
San Mateo County Building Inspection

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A210

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OPP. 114

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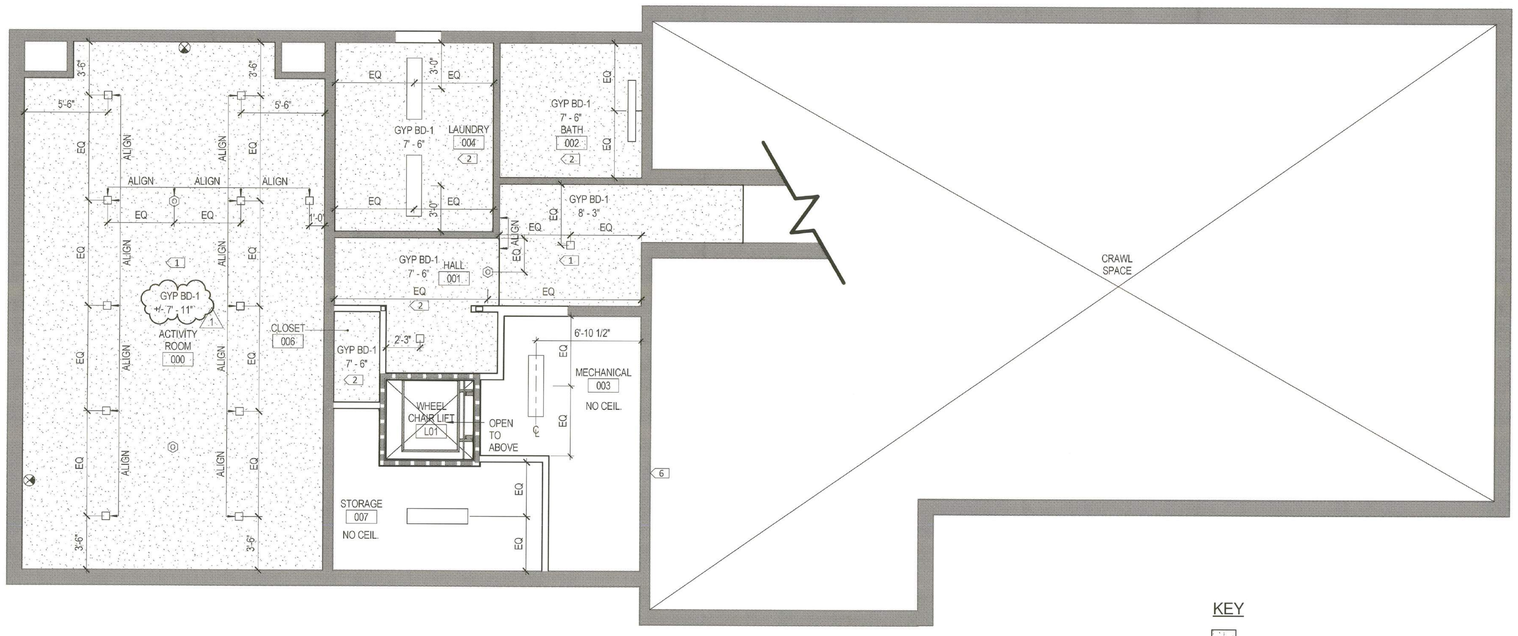
KEYNOTES - REFLECTED CEILING PLAN

#	DESCRIPTION
1	(N) GYP BD CEILING AT SAME HEIGHT AS OR HIGHER THAN PREVIOUS CEILING DUE TO MULTIPLE LAYERS OF REMOVED MATERIALS.
2	(N) GYP CEILING AT (N) HEIGHT. SEE DETAILS ON A670.
3	(N) GYP BD SOFFIT. ALSO SEE INTERIOR ELEVATIONS AND DETAILS.
4	READING LIGHT ON WALL AT 5'-0" ABOVE FINISHED FLOOR ELEVATION
5	(E) BEAM TO REMAIN.
6	CONTRACTOR TO COORDINATE PIPING AND DUCTWORK THROUGH (E) FRAMING ABOVE (E) CONC. FOUNDATION WALL. NOTIFY ARCHITECT OF ANY CLEARANCE ISSUES.

GENERAL NOTES - CEILING PLAN

A. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR DEVICE AND FIXTURE INFORMATION.
B. CEILING HEIGHTS ARE DIMENSIONED FROM FLOOR DATUM ELEVATION TO FINISHED CEILING
C. CENTER LIGHT FIXTURES IN ROOM UNLESS OTHERWISE NOTED.
D. PROVIDE ACCESS PANEL(S) AS REQUIRED. REVIEW LOCATION OF ACCESS PANEL(S) NOT SHOWN ON THE DRAWINGS WITH ARCHITECT PRIOR TO INSTALLATION.
E. CEILING FINISHES ADJACENT TO OR WITHIN THE LIMITS OF CONSTRUCTION DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE PATCHED TO MATCH EXISTING ADJACENT CEILING FINISH.
F. MODIFY FIRE SPRINKLER LINES TO BE CONCEALED IN CEILING JOIST SPACE.
G. CONCEAL NEW PLUMBING PIPING AND MECHANICAL PIPING/DUCT WORK IN CEILING JOIST SPACE WHENEVER POSSIBLE. REVIEW WITH ARCHITECT WHEN NOT POSSIBLE.
H. REMOVE GYP BD IN CEILING AND WALLS AS NECESSARY FOR INSTALLATION OF ALL NEW WORK. REPAIR AND PATCH GYP BD AS NECESSARY TO MATCH EXISTING CONSTRUCTION FOLLOWING INSTALLATION OF NEW WORK.
I. PROVIDE 2X BACKING/BLOCKING AS NECESSARY TO SUPPORT ALL WALL OR CEILING MOUNTED ITEMS.
J. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULES.
K. PROVIDE ANTI-LIGATURE ACCESS PANELS AS REQUIRED FOR MEP EQUIPMENT & SYSTEMS.
L. SEE A670 FOR CEILING AND SOFFIT DETAILS.



KEY

- GYP. BD. CEILING - NEW
- NO CEILING FINISH OR (E) GYP. BD. CEILING - EXISTING TO BE PATCHED WHERE NECESSARY

1 REFLECTED CEILING PLAN - BASEMENT
1/4" = 1'-0"

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170 Maiden Lane, 5th Floor
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Telephone 415.814.6910

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HGA
1200 R STREET, SUITE 100
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C-27255 4-30-2017

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27255

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY TO REMAIN ON SITE AT ALL TIMES

REVISION
SEP 06 2016
San Mateo County Building Inspection

NO	DESCRIPTION	DATE
1	CO #1	08/26/2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

REFLECTED CEILING PLAN - BASEMENT

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A300

CONSTRUCTION DOCUMENTS BID SET

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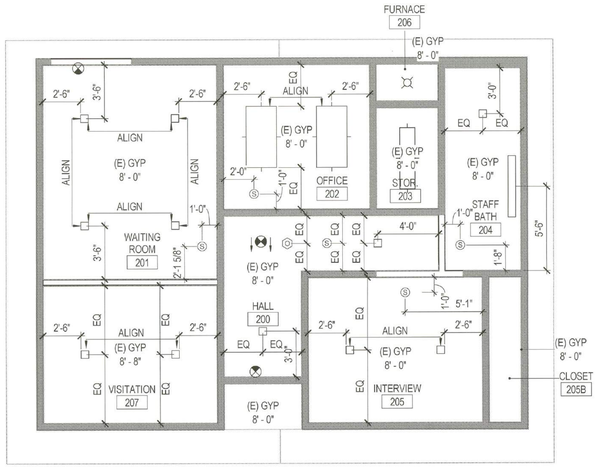
KEYNOTES - REFLECTED CEILING PLAN

#	DESCRIPTION
1	(N) GYP BD CEILING AT SAME HEIGHT AS OR HIGHER THAN PREVIOUS CEILING DUE TO MULTIPLE LAYERS OF REMOVED MATERIALS.
2	(N) GYP CEILING AT (N) HEIGHT. SEE DETAILS ON A670.
3	(N) GYP BD SOFFIT. ALSO SEE INTERIOR ELEVATIONS AND DETAILS.
4	READING LIGHT ON WALL AT 5'-0" ABOVE FINISHED FLOOR ELEVATION
5	(E) BEAM TO REMAIN.
6	CONTRACTOR TO COORDINATE PIPING AND DUCTWORK THROUGH (E) FRAMING ABOVE (E) CONC. FOUNDATION WALL. NOTIFY ARCHITECT OF ANY CLEARANCE ISSUES.

GENERAL NOTES - CEILING PLAN

A. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR DEVICE AND FIXTURE INFORMATION.
B. CEILING HEIGHTS ARE DIMENSIONED FROM FLOOR DATUM ELEVATION TO FINISHED CEILING
C. CENTER LIGHT FIXTURES IN ROOM UNLESS OTHERWISE NOTED.
D. PROVIDE ACCESS PANEL(S) AS REQUIRED. REVIEW LOCATION OF ACCESS PANEL(S) NOT SHOWN ON THE DRAWINGS WITH ARCHITECT PRIOR TO INSTALLATION.
E. CEILING FINISHES ADJACENT TO OR WITHIN THE LIMITS OF CONSTRUCTION DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE PATCHED TO MATCH EXISTING ADJACENT CEILING FINISH.
F. MODIFY FIRE SPRINKLER LINES TO BE CONCEALED IN CEILING JOIST SPACE
G. CONCEAL NEW PLUMBING PIPING AND MECHANICAL PIPING/DUCT WORK IN CEILING JOIST SPACE WHENEVER POSSIBLE. REVIEW WITH ARCHITECT WHEN NOT POSSIBLE.
H. REMOVE GYP BD IN CEILING AND WALLS AS NECESSARY FOR INSTALLATION OF ALL NEW WORK. REPAIR AND PATCH GYP BD AS NECESSARY TO MATCH EXISTING CONSTRUCTION FOLLOWING INSTALLATION OF NEW WORK.
I. PROVIDE 2X BACKING/BLOCKING AS NECESSARY TO SUPPORT ALL WALL OR CEILING MOUNTED ITEMS.
J. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULES.
K. PROVIDE ANTI-LIGATURE ACCESS PANELS AS REQUIRED FOR MEP EQUIPMENT & SYSTEMS.
L. SEE A670 FOR CEILING AND SOFFIT DETAILS.

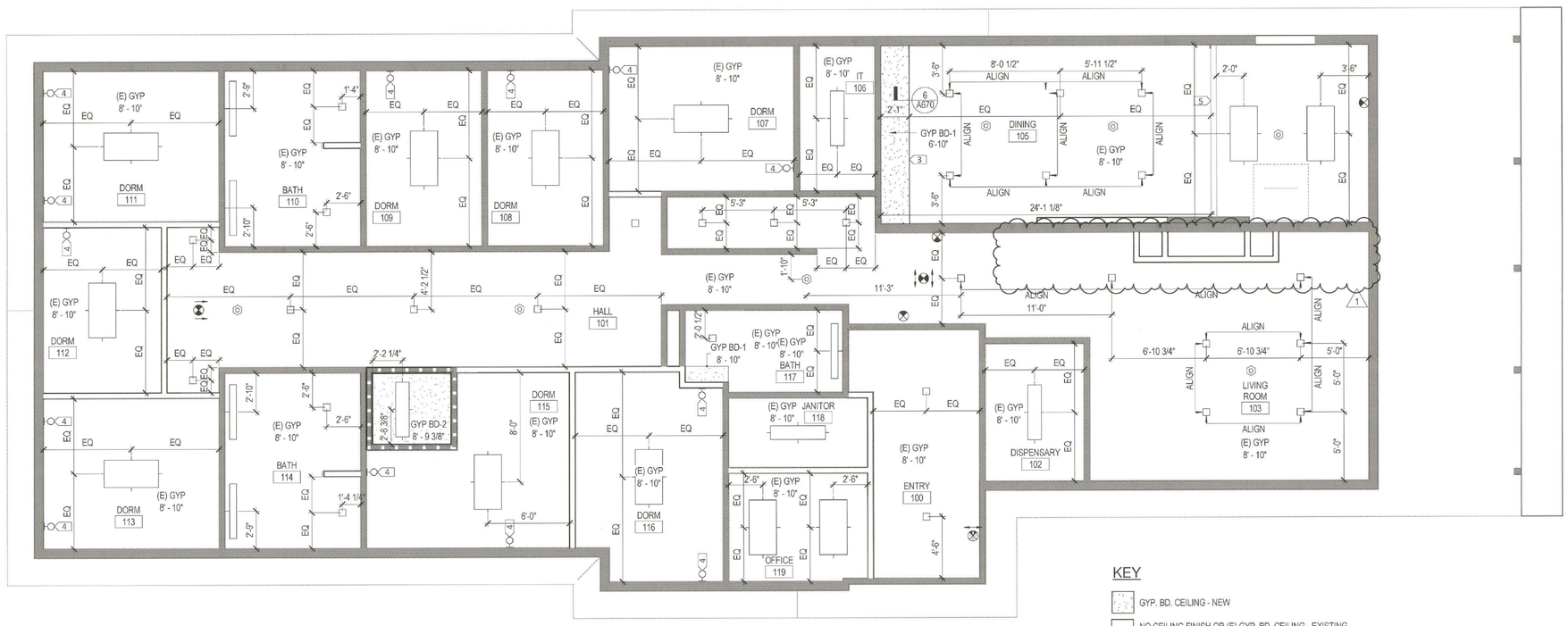


KEY

GYP. BD. CEILING - NEW

GYP. BD. CEILING - EXISTING TO BE PATCHED WHERE NECESSARY

2 REFLECTED CEILING PLAN - LEVEL 1 ADMINISTRATION BUILDING
1/4" = 1'-0"



KEY

GYP. BD. CEILING - NEW

NO CEILING FINISH OR (E) GYP. BD. CEILING - EXISTING TO BE PATCHED WHERE NECESSARY

1 REFLECTED CEILING PLAN - LEVEL 1 MAIN BUILDING
1/4" = 1'-0"

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NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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NO	DESCRIPTION	DATE
1	CC #1	08/26/2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

REVISION
SEP 06 2016
San Mateo County Building Inspection

REFLECTED CEILING PLAN - LEVEL 1

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A301

CONSTRUCTION DOCUMENTS BID SET

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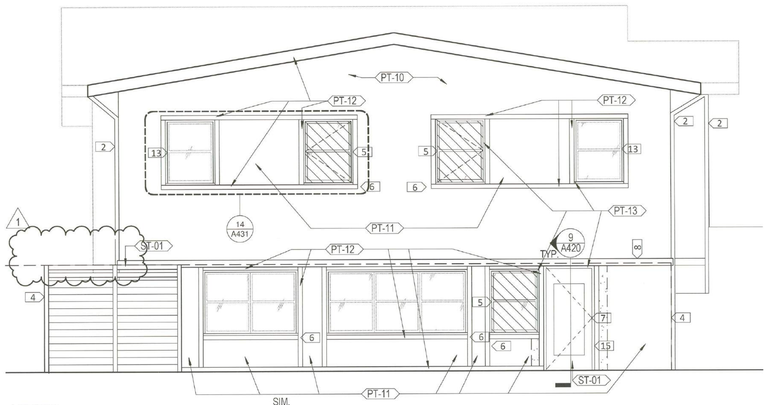
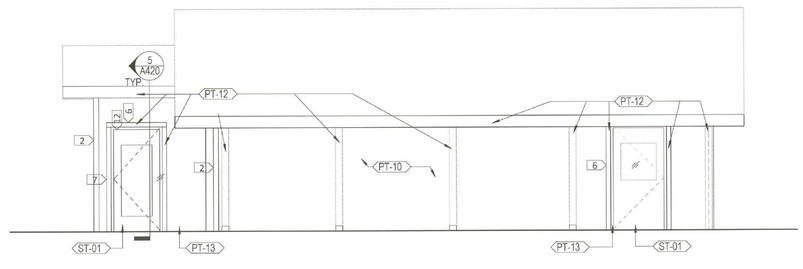
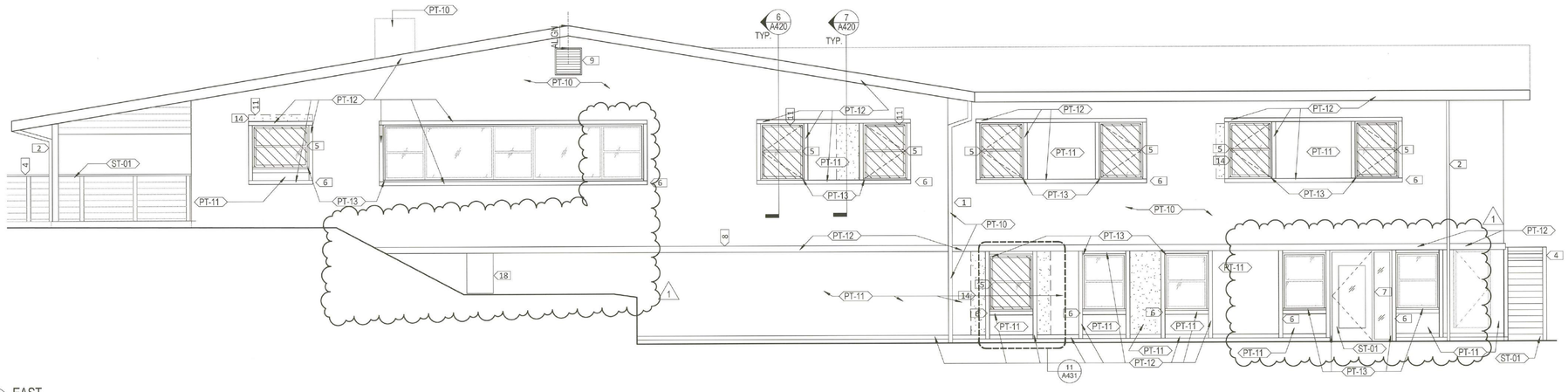
Author



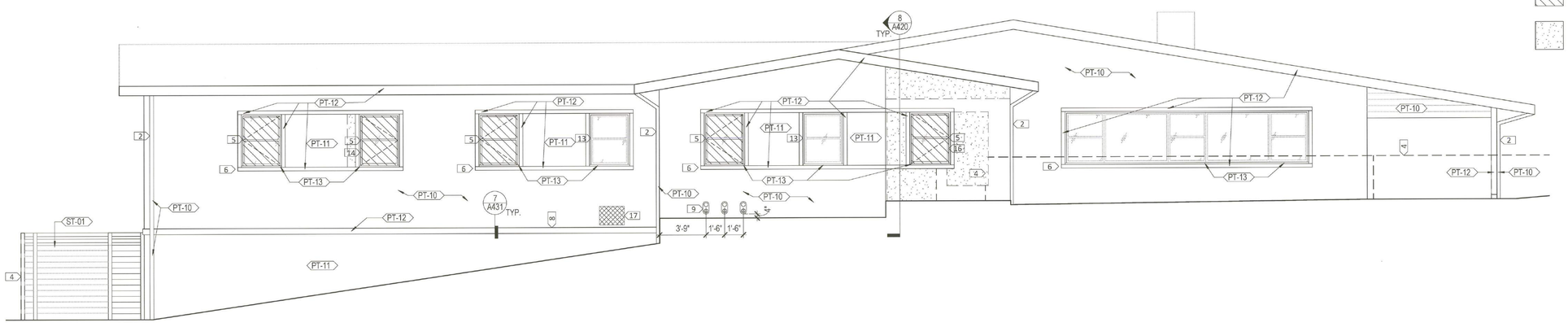
4 NORTH
1/4" = 1'-0"



3 SOUTH
1/4" = 1'-0"



2 EAST
1/4" = 1'-0"



1 WEST
1/4" = 1'-0"

GENERAL NOTES - EXTERIOR ELEVATIONS

A. ELEVATIONS OF EXISTING FLOORS ARE BASED ON SURVEY INFORMATION AND/OR AS-BUILT DRAWINGS PROVIDED BY THE OWNER. THE SURVEY DATA MAY NOT BE COMPLETE AND THE ACTUAL EXISTING ELEVATIONS MAY VARY IN DIFFERENT PORTIONS OF THE EXISTING BUILDING. ALL INFORMATION MUST BE FIELD VERIFIED AND COORDINATED BETWEEN NEW AND EXISTING CONSTRUCTION TO PROVIDE MATCHING FLOOR ELEVATIONS WHERE REQUIRED.

B. REPAINT ALL EXTERIOR UNLESS OTHERWISE NOTED

KEYNOTES - EXTERIOR ELEVATION

#	DESCRIPTOIN
1	RELOCATE DOWNSPOUT
2	MAINTAIN EXISTING DOWNSPOUTS - PAINT TO MATCH ADJACENT
3	NEW REDWOOD TRELLIS AS PER A202 AND A450. FINISH AS PER A400.
4	NEW FENCE AND GATE. REFER TO LANDSCAPE DRAWINGS. FINISH AS PER A400.
5	NEW WINDOW TO MATCH EXISTING IN APPEARANCE. INSTALL NEW WATER PROOFING AND FLASHING PER WINDOW MANUFACTURERS RECOMMENDATIONS. REPLACE/REPAIR EXISTING TRIM AS NECESSARY AFTER NEW WINDOW INSTALLATION.
6	MAINTAIN EXISTING NARROW TRIM AROUND WINDOWS AND REPAIR WHERE NECESSARY AND REPAINT PER FINISH LEGEND AND ELEVATIONS. ALL WIDE TRIM AT WINDOWS AND DOOR IS NEW. ADD AROUND (E) TRIM AND PAINT PER FINISH LEGEND AND ELEVATIONS.
7	NEW DOOR.
8	(N) MID-BUILDING TRIM, SEE DETAIL. PAINT PER FINISH LEGEND
9	(N) EXHAUST LOUVER AS PER MECH.
11	WHERE NEW HEADER, SEE 4/S201 FOR FRAMING AT (N) WINDOW.
12	WHERE NEW HEADER, SEE 6/S201 FOR FRAMING AT (N) HEADER AT (N) DOOR
13	NEW WINDOW ADD ALTERNATE. SEE WINDOW SCHEDULE.
14	SEE 5/S201 FOR FRAMING AT (N) WINDOW
15	SEE 5/S201 FOR FRAMING AT (N) DOOR
16	SEE 5 AND 5A/S201 FOR INFILL FRAMING AT (N) WINDOW
17	EXISTING TO REMAIN
18	PRESERVE (E) CRAWLSPACE ACCESS DOOR. ADD PAD-LOCKABLE HASP ON STRIKE SIDE.

EXTERIOR FINISH LEGEND

SPEC SECTION 099000 PT PAINT

- PT-10 — MANUFACTURER: BEHR OR APPROVED EQUAL COLOR TO MATCH PPG 14-29 MOTH GRAY FINISH: FLAT TYPE: ELASTOMERIC W / INTEGRAL COLOR NOTE: TYPICAL, U.O.N.
- PT-11 — MANUFACTURER: BEHR OR APPROVED EQUAL COLOR TO MATCH PPG 14-27 TRUE KHAKI FINISH: FLAT TYPE: ELASTOMERIC W / INTEGRAL COLOR NOTE: ACCENT AND LOWER LEVEL
- PT-12 — MANUFACTURER: PPG OR APPROVED EQUAL COLOR #/NAME: 1001-1 VINCENTE WOLF WHITE FINISH: FLAT NOTE: NEW TRIM PAINT
- PT-13 — MANUFACTURER: PPG OR APPROVED EQUAL COLOR #/NAME: 11-16 SPINACH SALAD FINISH: FLAT NOTE: (E) WINDOW TRIM / DOOR FRAME PAINT

SPEC SECTION 099000 ST STAIN

- ST-01 — MANUFACTURER: SIKKENS OR APPROVED EQUAL COLOR #/NAME: MAHOGANY (OR AS REQUIRED FOR ALL EXTERIOR WOOD TO MATCH REGARDLESS OF SPECIES) FINISH: MATTE TYPE: PROLUX - CETOL SRD RE NOTE: TYPICAL FOR FENCE, TRELLIS, AND EXTERIOR DOOR PANELS U.O.N.

KEY

- NEW WINDOW
- AREA OF (N) WALL AND CEMENT PLASTER FINISH

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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SEP 06 2016
San Mateo County Building Inspection

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SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA.

LICENSED ARCHITECT
KEVIN T. DAY
C-27255
9-30-2017
Renewal Date
STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27255

NO	DESCRIPTION	DATE
1	CO #1	08/26/2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

EXTERIOR ELEVATIONS - MAIN BUILDING

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A400

CONSTRUCTION DOCUMENTS BID SET

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GENERAL NOTES - EXTERIOR ELEVATIONS

A. ELEVATIONS OF EXISTING FLOORS ARE BASED ON SURVEY INFORMATION AND/OR AS-BUILT DRAWINGS PROVIDED BY THE OWNER. THE SURVEY DATA MAY NOT BE COMPLETE AND THE ACTUAL EXISTING ELEVATIONS MAY VARY IN DIFFERENT PORTIONS OF THE EXISTING BUILDING. ALL INFORMATION MUST BE FIELD VERIFIED AND COORDINATED BETWEEN NEW AND EXISTING CONSTRUCTION TO PROVIDE MATCHING FLOOR ELEVATIONS WHERE REQUIRED.

B. REPAINT ALL EXTERIOR UNLESS OTHERWISE NOTED

KEYNOTES - EXTERIOR ELEVATION

#	DESCRIPTOIN
1	RELOCATE DOWNSPOUT
2	MAINTAIN EXISTING DOWNSPOUTS - PAINT TO MATCH ADJACENT
3	NEW REDWOOD TRELLIS AS PER A202 AND A450. FINISH AS PER A400.
4	NEW FENCE AND GATE. REFER TO LANDSCAPE DRAWINGS. FINISH AS PER A400.
5	NEW WINDOW TO MATCH EXISTING IN APPEARANCE. INSTALL NEW WATER PROOFING AND FLASHING PER WINDOW MANUFACTURERS RECOMMENDATIONS. REPLACE/REPAIR EXISTING TRIM AS NECESSARY AFTER NEW WINDOW INSTALLATION.
6	MAINTAIN EXISTING NARROW TRIM AROUND WINDOWS AND REPAIR WHERE NECESSARY AND REPAINT PER FINISH LEGEND AND ELEVATIONS. ALL WIDE TRIM AT WINDOWS AND DOOR IS NEW. ADD AROUND (E) TRIM AND PAINT PER FINISH LEGEND AND ELEVATIONS.
7	NEW DOOR.
8	(N) MID-BUILDING TRIM, SEE DETAIL. PAINT PER FINISH LEGEND
9	(N) EXHAUST LOUVER AS PER MECH.
11	WHERE NEW HEADER, SEE 4/S201 FOR FRAMING AT (N) WINDOW.
12	WHERE NEW HEADER, SEE 6/S201 FOR FRAMING AT (N) HEADER AT (N) DOOR
13	NEW WINDOW ADD ALTERNATE. SEE WINDOW SCHEDULE.
14	SEE 5/S201 FOR FRAMING AT (N) WINDOW
15	SEE 5/S201 FOR FRAMING AT (N) DOOR
16	SEE 5 AND 5A/S201 FOR INFILL FRAMING AT (N) WINDOW
17	EXISTING TO REMAIN
18	PRESERVE (E) CRAWLSPACE ACCESS DOOR. ADD PAD-LOCKABLE HASP ON STRIKE SIDE.

EXTERIOR FINISH LEGEND

SPEC SECTION 099000 PT PAINT

- PT-10: MANUFACTURER: BEHR OR APPROVED EQUAL
  COLOR TO MATCH PPG 14-29 MOTH GRAY
  FINISH: FLAT
  TYPE: ELASTOMERIC W / INTEGRAL COLOR
  NOTE: TYPICAL, U.O.N.
- PT-11: MANUFACTURER: BEHR OR APPROVED EQUAL
  COLOR TO MATCH PPG 14-27 TRUE KHAKI
  FINISH: FLAT
  TYPE: ELASTOMERIC W / INTEGRAL COLOR
  NOTE: ACCENT AND LOWER LEVEL
- PT-12: MANUFACTURER: PPG OR APPROVED EQUAL
  COLOR #/NAME: 1001-1 VINCENTE WOLF WHITE
  FINISH: FLAT
  NOTE: NEW TRIM PAINT
- PT-13: MANUFACTURER: PPG OR APPROVED EQUAL
  COLOR #/NAME: 11-16 SPINACH SALAD
  FINISH: FLAT
  NOTE: (E) WINDOW TRIM / DOOR FRAME PAINT

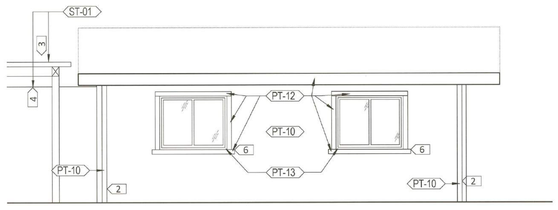
SPEC SECTION 099000 ST STAIN

- ST-01: MANUFACTURER: SIKKENS OR APPROVED EQUAL
  COLOR #/NAME: MAHOGANY (OR AS REQUIRED FOR ALL EXTERIOR WOOD TO MATCH REGARDLESS OF SPECIES)
  FINISH: MATTE
  TYPE: PROLUX - CETOL SRD RE
  NOTE: TYPICAL FOR FENCE, TRELLIS, AND EXTERIOR DOOR PANELS U.O.N.

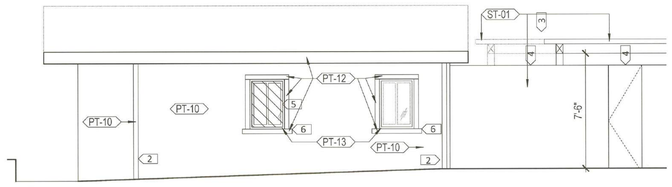
KEY

NEW WINDOW

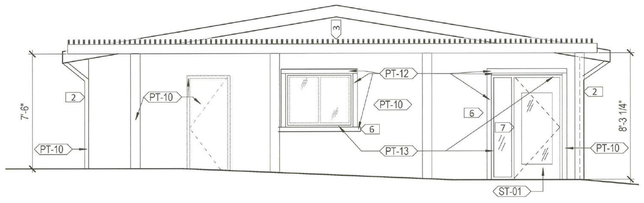
AREA OF (N) WALL AND CEMENT PLASTER FINISH



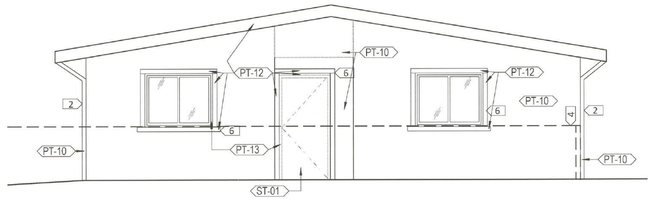
4 NORTH
1/4" = 1'-0"



2 SOUTH
1/4" = 1'-0"



3 EAST
1/4" = 1'-0"



1 WEST
1/4" = 1'-0"

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415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA.

LICENSED ARCHITECT KEVIN M. DAY C-27256 4-30-2017 Renewal Date STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

NO	DESCRIPTION	DATE
1	CO #1	08/26/2016

ISSUANCE HISTORY - THIS SHEET

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY TO REMAIN ON SITE AT ALL TIMES

REVISION
SEP 06 2016
San Mateo County Building Inspection

HGA NO: 3505-003-01

EXTERIOR ELEVATOINS - ADMINISTRATION BUILDING

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A401

CONSTRUCTION DOCUMENTS BID SET

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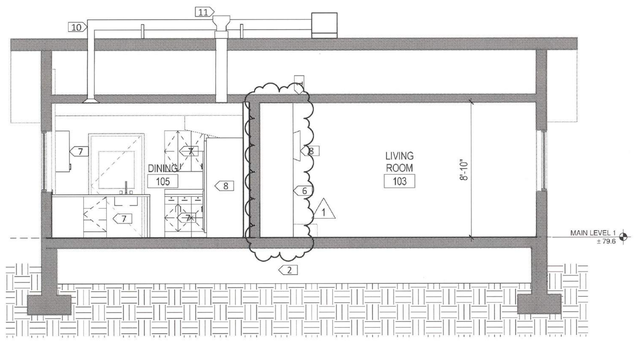
KEYNOTES - BUILDING SECTIONS

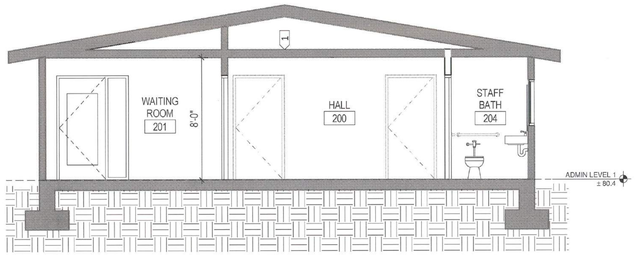
#	DESCRIPTION
1	EXISTING LEVEL 1 CEILING FRAMING WITH (E) THERMAL BAT INSULATION IN (E) ATTIC SPACE
2	(E) CRAWL SPACE
3	(E) EXTERIOR SOFFIT
4	(E) CHIMNEY, EXACT EXTENT UNVERIFIED
5	NEW FIRE EXTINGUISHER CABINET. SEE A701
6	EXISTING FIREPLACE AND HEARTH TO REMAIN. SEE INTERIOR ELEVATION ON SHEET A701
7	NEW CASEWORK. SEE INTERIOR ELEVATIONS ON SHEETS A700, A701
8	FURNITURE / EQUIPMENT BY OPERATOR
9	SEE NOTE ON A300 FOR MECHANICAL COORDINATION IN MECH. ROOM AT THIS WALL.
10	DUCT THROUGH (E) OPENINGS IN ROOF AND CEILING TO DIFFUSER, SEE MECH. RE-USE (E) ROOF STANDS IF POSSIBLE, FLASH AND WATERPROOF TO ROOF PER SPECS. ANCHOR STANDS SIM. TO MAU ROOF CURB, SEE MECH. AND STRUCTURAL DRAWINGS.
11	(E) EXHAUST FAN AND DUCT. SEE MECH.
12	(E) CHIMNEY SCREEN STRUCTURE RE-INSTALLED AFTER ROOFING WORK.
13	NEW SOFFIT. SEE DETAILS A670

GENERAL NOTES - BUILDING SECTIONS

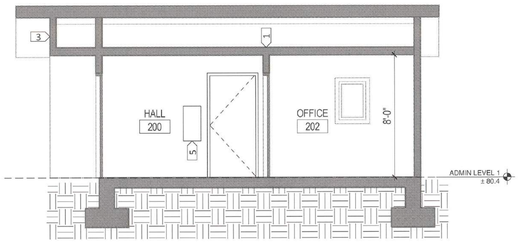
A. FLOOR ELEVATION OF BASEMENT IS BASED ON CIVIL DRAWINGS. SEE SHEET C200
B. FLOOR ELEVATION OF LEVEL 1 IS BASE DON FIELD MEASUREMENT OF STAIR RISERS FROM BASEMENT UP TO LEVEL 1. CONTRACTOR TO VERIFY ELEVATION DATUMS IN FIELD AS NECESSARY.
C. SEE FLOOR PLANS FOR NEW WALLS
D. SEE 4/A010 FOR WALL LEGEND
E. SEE 400 SERIES SHEETS FOR DETAILS



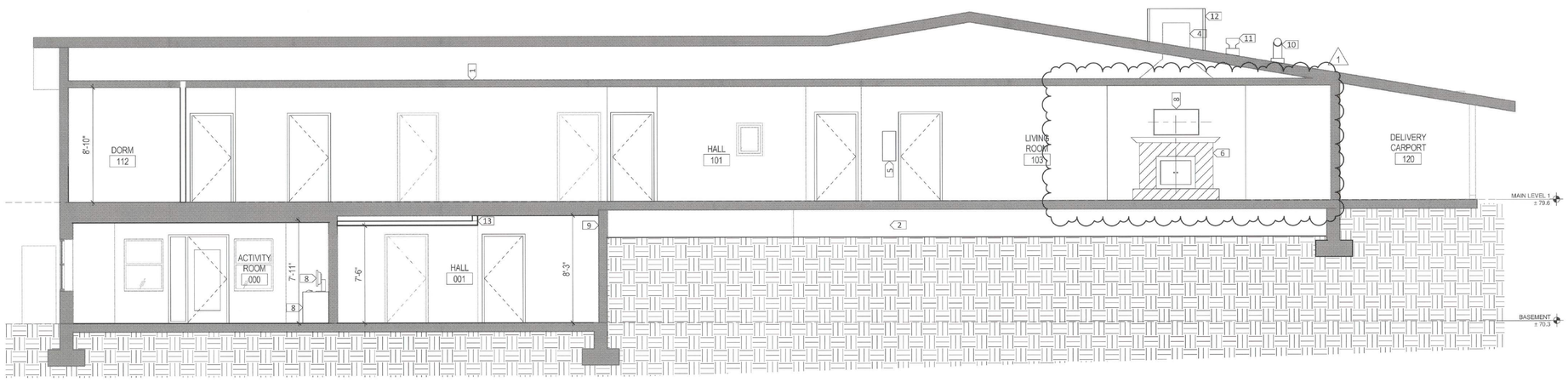
4 CROSS SECTION - MAIN BUILDING
1/4" = 1'-0"



3 LOGITUDINAL SECTION - ADMINISTRATION BUILDING
1/4" = 1'-0"



2 CROSS SECTION - ADMINISTRATION BUILDING
1/4" = 1'-0"



1 LONGITUDINAL SECTION - MAIN BUILDING
1/4" = 1'-0"

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COUNTY OF SAN MATEO FOUNDED 1856

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LICENSED ARCHITECT
C-27256
4.30.2017
RENEWAL
STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

NO	DESCRIPTION	DATE
1	CO #1	08/26/2016

ISSUANCE HISTORY - THIS SHEET

APPROVED PLAN
SEP 30 2016
BY
SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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HGA NO: 3505-003-01

BUILDING SECTIONS

REVISION
SEP 06 2016
San Mateo County Building Inspection

DATE: FEBRUARY 5, 2016

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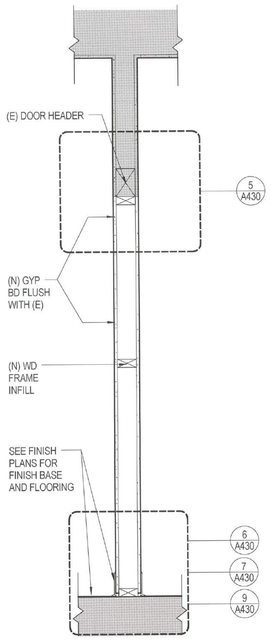
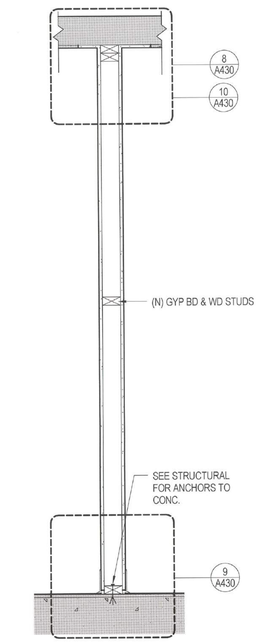
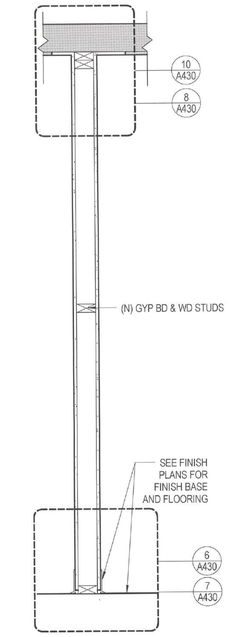


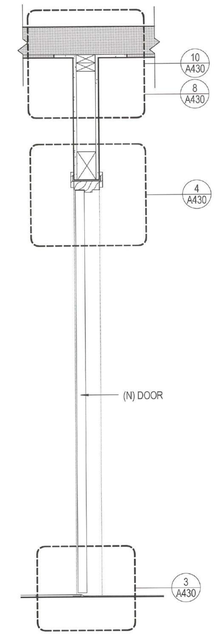
4 INTERIOR INFILL OF EXISTING DOOR (TYP.)
1" = 1'-0"



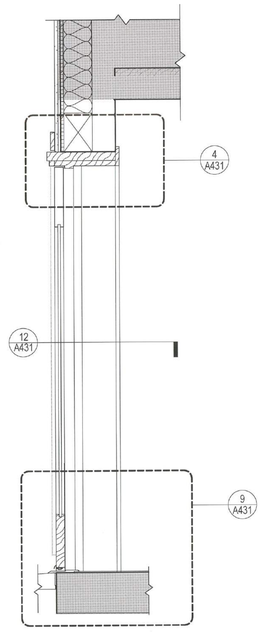
3 INTERIOR FULL H ON CONCRETE (TYP.)
1" = 1'-0"



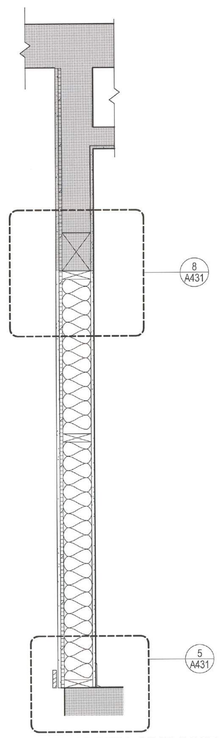
2 INTERIOR FULL H ON WD FRAMING (TYP.)
1" = 1'-0"



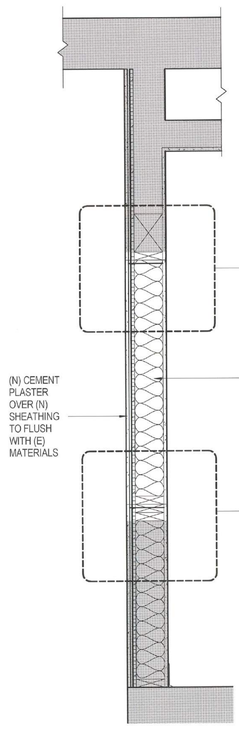
1 INTERIOR DOOR (TYP.)
1" = 1'-0"



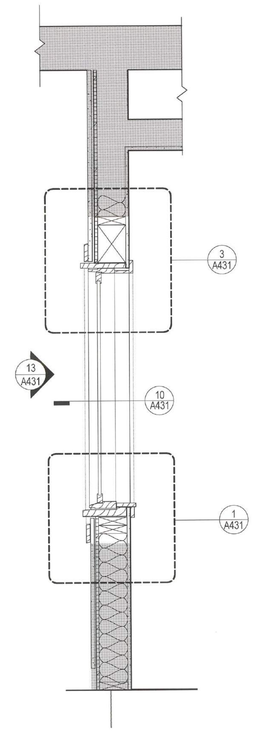
9 EXTERIOR BASEMENT GARDEN DOOR
1" = 1'-0"



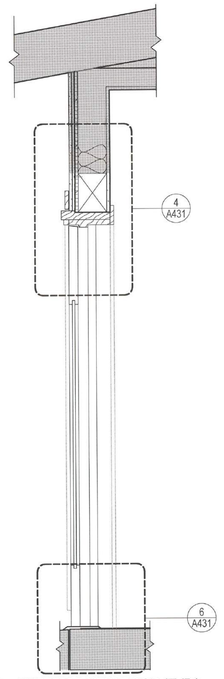
8 EXTERIOR INFILL OF (E) DOOR (TYP.)
1" = 1'-0"



7 EXTERIOR INFILL OF (E) WINDOW (TYP.)
1" = 1'-0"



6 EXTERIOR NEW WINDOW (TYP.)
1" = 1'-0"



5 EXTERIOR NEW DOOR (TYP.)
1" = 1'-0"

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LICENSED ARCHITECT KEVIN DAY C-27256 4.30.2017 Renewal Date STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

NO	DESCRIPTION	DATE

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

WALL SECTIONS

REVISION
SEP 06 2016
San Mateo County Building Inspection

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

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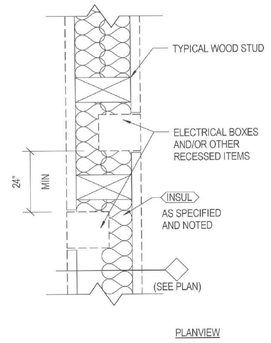
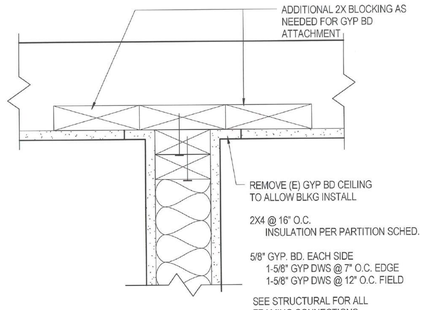
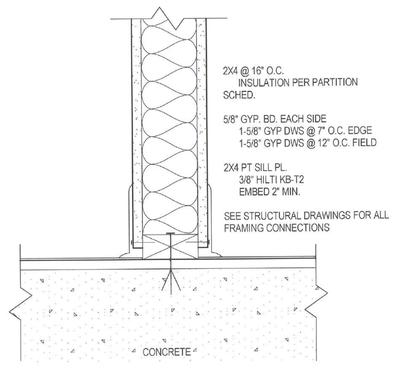


PLANVIEW

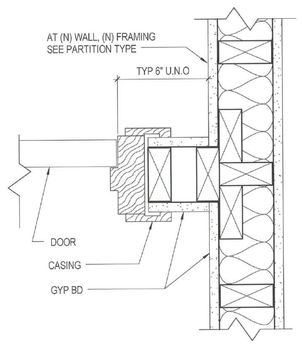
11 PTN AT PENETRATION (FIRE / SOUND RATED)
3" = 1'-0"



10 INT WALL FRAMING TO CEILING FRAMING - PERP
3" = 1'-0"

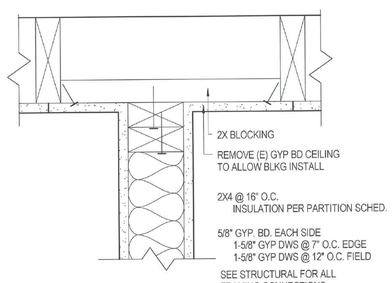


9 INT WALL FRAMING TO CONCRETE
3" = 1'-0"

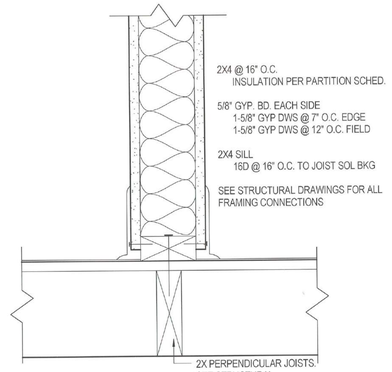


PLANVIEW

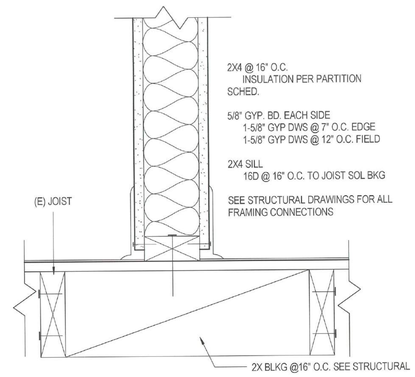
12 TYPICAL DOOR JAMB (AT ABUTTING WALL)
3" = 1'-0"



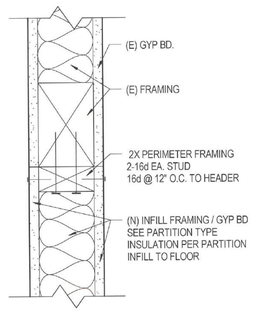
8 INT WALL FRAMING TO CEILING FRAMING - PAR
3" = 1'-0"



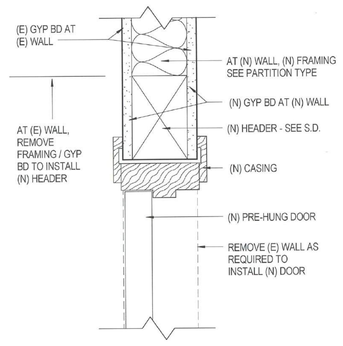
7 INT WALL FRAMING TO FLOOR FRAMING - PERP
3" = 1'-0"



6 INT WALL FRAMING TO FLOOR FRAMING - PAR
3" = 1'-0"



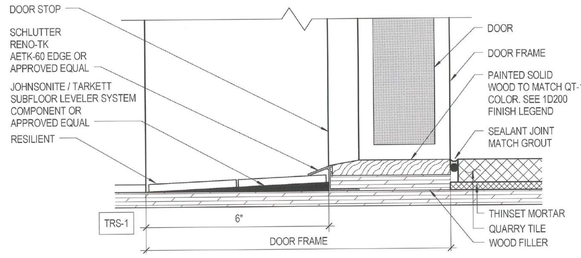
5 INT INFILL OF DOOR AT (E) HEADER
3" = 1'-0"

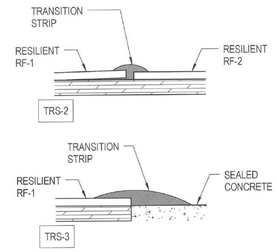


4 INT NEW DOOR HEAD (TYP.)
3" = 1'-0"

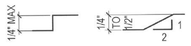
GENERAL NOTES - OPENING AND PARTITION DETAILS

A. NOT ALL DOOR AND FRAME TYPES SHOWN HERE MAY BE USED IN THIS PROJECT.
B. FOR FRAME AND GLASS TYPES, REFER TO PLANS, DOOR AND FRAME SCHEDULE, ELEVATIONS AND DETAILS
C. INSTALL TEMPERED GLASS PER CODE (CBC CH. 24)
D. REFER TO PLANS FOR INTERIOR PARTITION TYPES AND EXTERIOR WALLS.
E. REFERE TO DOOR AND FRAME SCHEDULE FOR FRAME WIDTHS AND FOR DOOR INFORMATION.
F. CONTINUE GYPSUM BOARD OF HIGHER FIRE RATED PARTITION CONTINUOUSLY PAST LOWER RATED INSTERSECTING PARTITION(S), TYPICAL.





A. FLOOR TRANSITION LEVEL CHANGES UP TO 1/4" MAY BE VERTICAL. CHANGES IN LEVEL BTW 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 2:1 WITH NO FLOOR MATERIAL. TRANSITION GREATER THAN 1/2" ALLOWED. TYP. FOR ALL FLOOR TRANSITIONS.

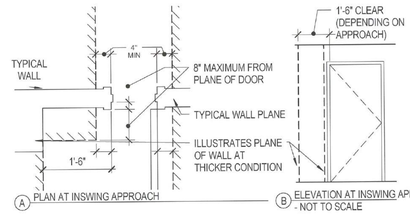


B. DOOR CLEARANCES SHALL BE PER DOOR MFR'S STANDARDS OR AS REQUIRED BY CODE.

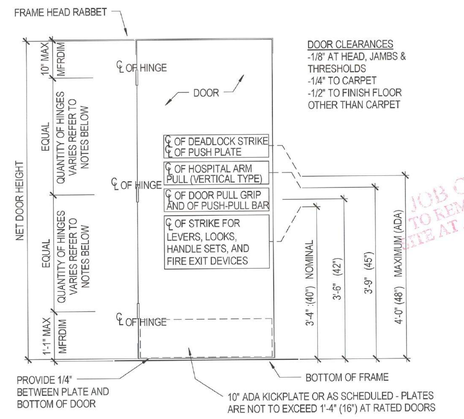
C. FIELD VERIFY & COORDINATE HEIGHTS OF MATERIALS PRIOR TO FABRICATION AND/OR INSTALLATION OF TRANSITION STRIPS.

D. ALL THRESHOLDS AS PER I200

3 TRANSITION NOTES AND DETAILS
NTS



2 DOOR MANEUVERING CLEARANCES
3/4" = 1'-0"



DOOR CLEARANCES
-1/8" AT HEAD, JAMBS & THRESHOLDS
-1/4" TO CARPET
-1/2" TO FINISH FLOOR OTHER THAN CARPET

GENERAL NOTES
A. INFORMATION SHOWN HERE IS FOR REFERENCE ONLY.
B. REFER TO DOOR AND FRAME DETAILS FOR VARIATIONS TO THIS DETAIL.
C. REVISIONS AS PER MANUFACTURER AND LOCAL CODE VARIATIONS ARE TO BE SUBMITTED FOR REVIEW AND FINAL APPROVAL.
D. USE 3 HINGES FOR DOORS UP TO INCLUDING 7'-8".
E. ADD 1 HINGE FOR EACH 2'-6" IN HEIGHT OR FRACTION THEREOF AND FOR DOORS GREATER THAN 3'-6" IN WIDTH.
F. ALL OPERATING HARDWARE SHALL BE MOUNTED BETWEEN 2'-6" (30") AND 4'-0" (48") ABOVE FINISHED FLOOR UNLESS DIRECTED OTHERWISE BY APPLICABLE CODES.
G. EXTEND DOOR OPENING JAMBS AND DOOR-TO DOOR MULLIONS 1/8" BELOW THE FINISH FLOOR ELEVATION WHEN THE FLOOR FINISH IS TO BE INSTALLED AFTER FRAME.

JAMB SIM.

1 DOOR HARDWARE LOCATIONS
3/4" = 1'-0"

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170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER
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1200 R STREET, SUITE 100
SACRAMENTO, CA 95811
916.787.5100

MECHANICAL/ELECTRICAL/ PLUMBING ENGINEER
INTERFACE ENGINEERING, INC.
135 MAIN STREET, SUITE 400
SAN FRANCISCO, CA 94105
415.489.3213

CIVIL ENGINEER
BKF
255 SHORELINE DRIVE #200
REDWOOD CITY, CA 94065
650.482.6300

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RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

COUNTY OF SAN MATEO FOUNDED 1856

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

LICENSED ARCHITECT KEVIN M. DAY C-27256 8-30-2016 Renewal Date STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY
TO REMAIN ON SITE AT ALL TIMES

NO	DESCRIPTION	DATE

ISSUANCE / HISTORY - THIS SHEET

HGA NO: 3505-003-01

INTERIOR DOOR, WINDOW, AND PARTITION DETAILS

REVISION
SEP 06 2016
San Mateo County Building Inspection

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A430

CONSTRUCTION DOCUMENTS BID SET

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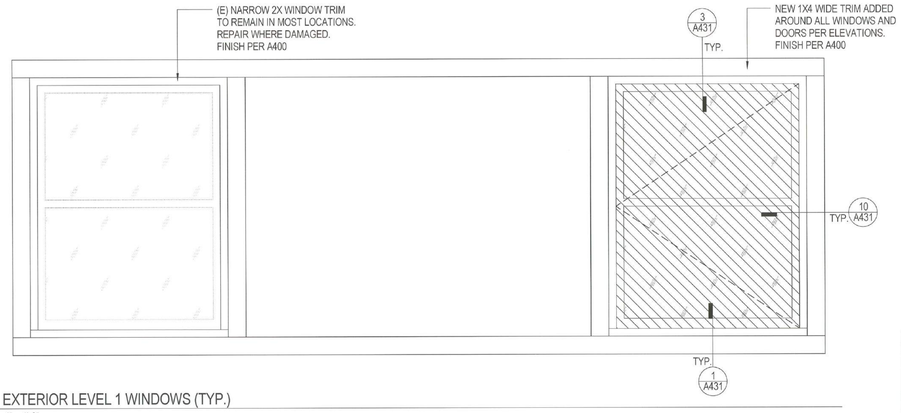
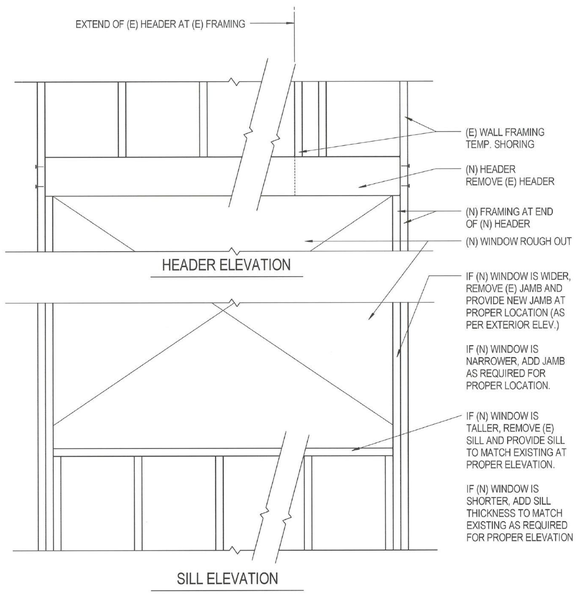
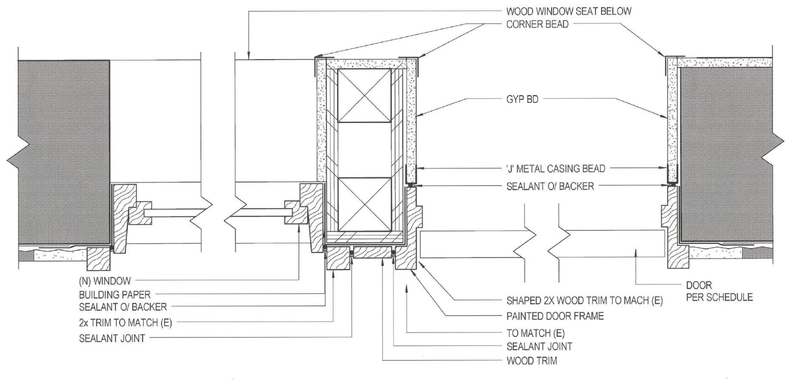
Author 8/30/2016 10:41:25 AM C:\Users\stanfield\Documents\Revit Local Files\AS-SERENITY - HOUSE-3505-003-01_stanfield-PCPBZ0.rvt



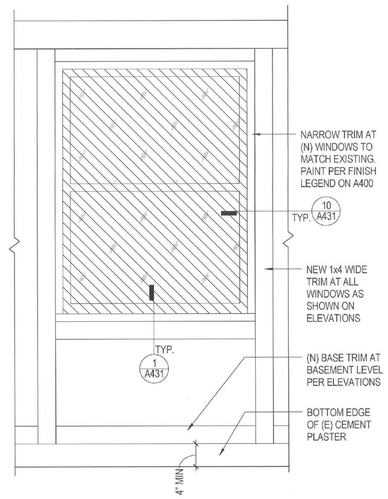
14 EXTERIOR LEVEL 1 WINDOWS (TYP.)
1" = 1'-0"



13 EXT LARGER (N) WINDOW FRAMING IN (E) OPENING - ELEVATION
1" = 1'-0"



12 JAMBS AT ACTIVITY ROOM DOOR - PLAN VIEW
3" = 1'-0"



11 EXTERIOR BASEMENT WINDOW (TYP.)
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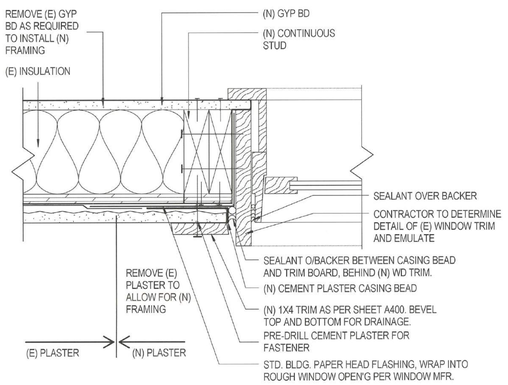
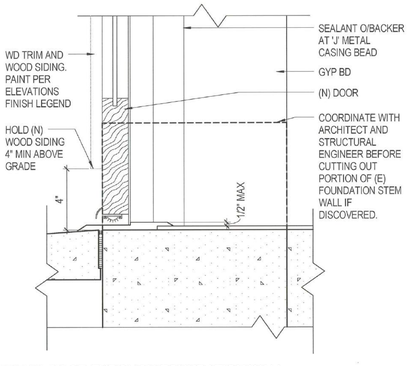
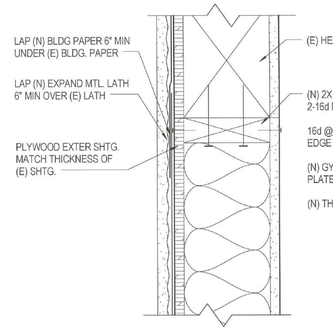


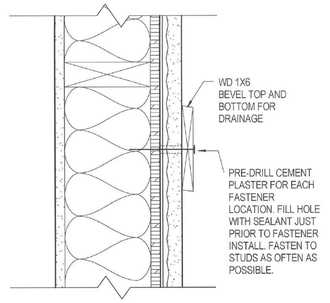
10 EXT NEW WINDOW AT JAMB
3" = 1'-0"



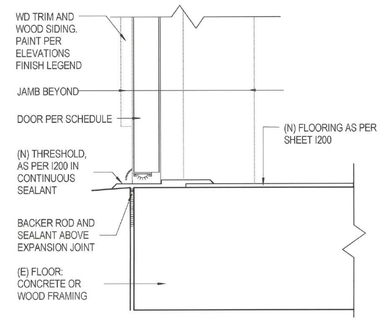
9 EXT (N) DOOR THROUGH FOUNDATION WALL
3" = 1'-0"



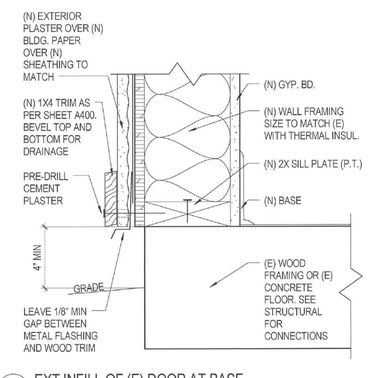
8 EXT INFILL AT HEADER OF (E) OPENING
3" = 1'-0"



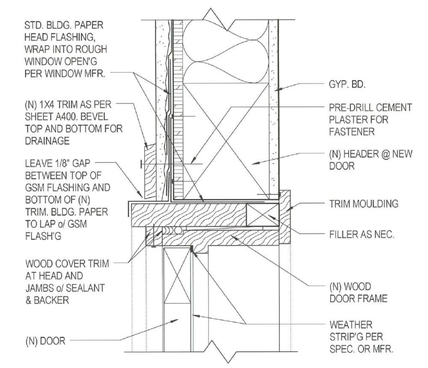
7 DECORATIVE MID-BUILDING TRIM
3" = 1'-0"



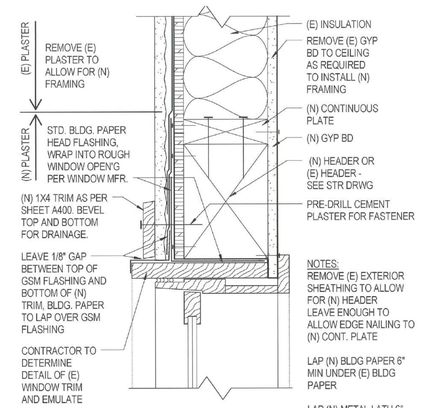
6 EXT NEW DOOR AT THRESHOLD
3" = 1'-0"



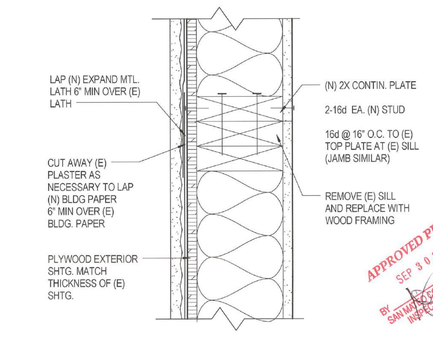
5 EXT INFILL OF (E) DOOR AT BASE
3" = 1'-0"



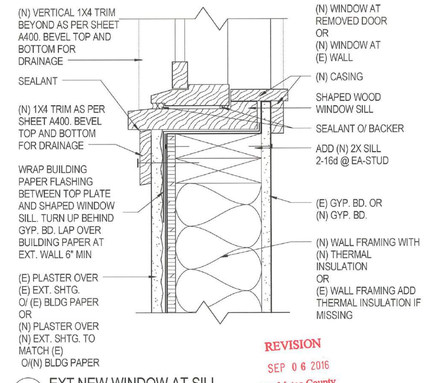
4 EXT NEW DOOR AT HEADER
3" = 1'-0"



3 EXT NEW WINDOW AT HEADER
3" = 1'-0"



2 EXT INFILL AT SILL OF (E) WINDOW
3" = 1'-0"



1 EXT NEW WINDOW AT SILL
3" = 1'-0"
JAMB SIMILAR

REVISION
SEP 06 2016
San Mateo County Building Inspection

hga
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER
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SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

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LICENSED ARCHITECT KEVIN M. DAY C-27256 4-30-2017 Renewal Date STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

APPROVED PLAN SEP 30 2016 BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

NO.	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

EXTERIOR DOOR, WINDOW, AND PARTITION DETAILS

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A431

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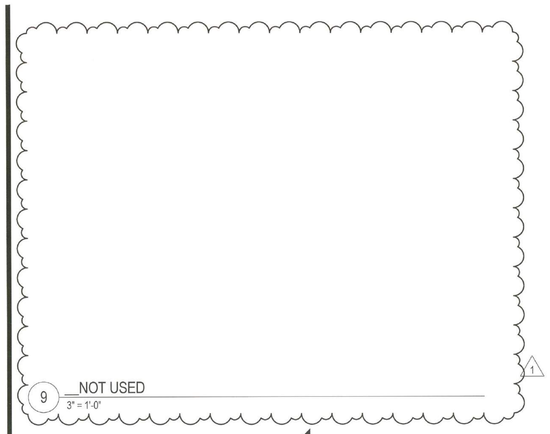
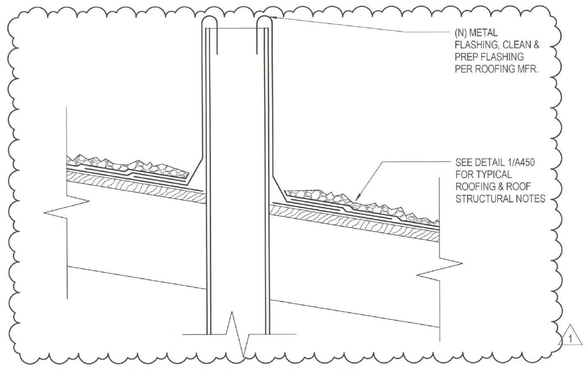
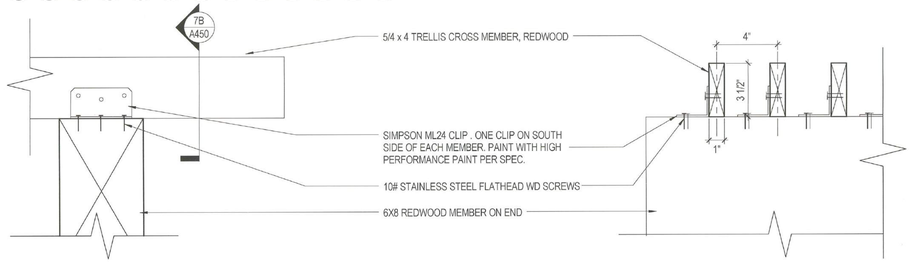


9 NOT USED
3" = 1'-0"



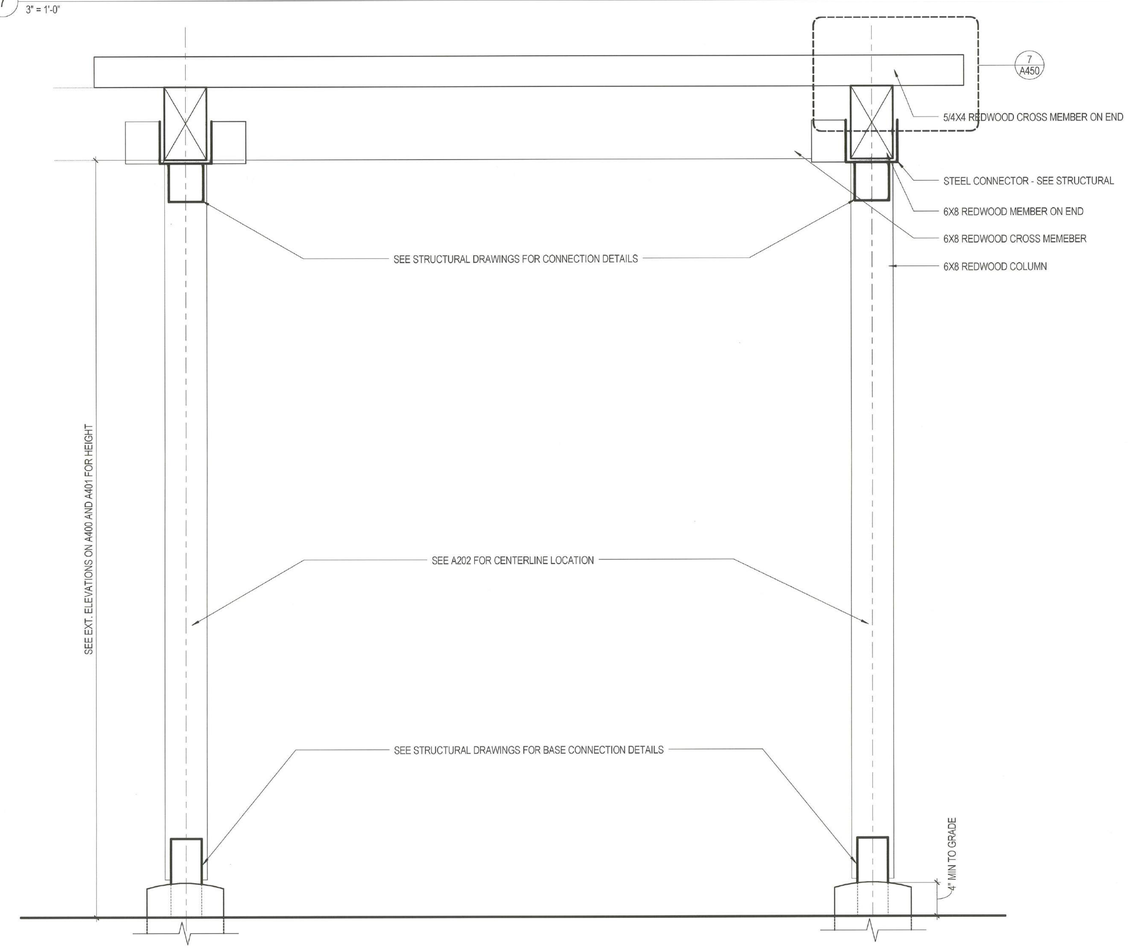
8 (N) FLASHING AT NEW AND (E) VENT STACKS
3" = 1'-0"



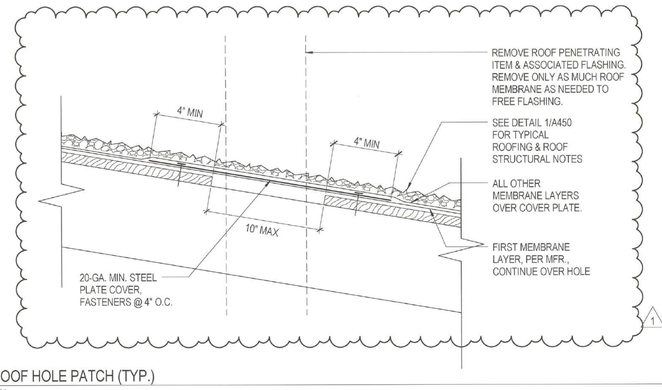
7A LONGITUDINAL SECTION

7B CROSS SECTION

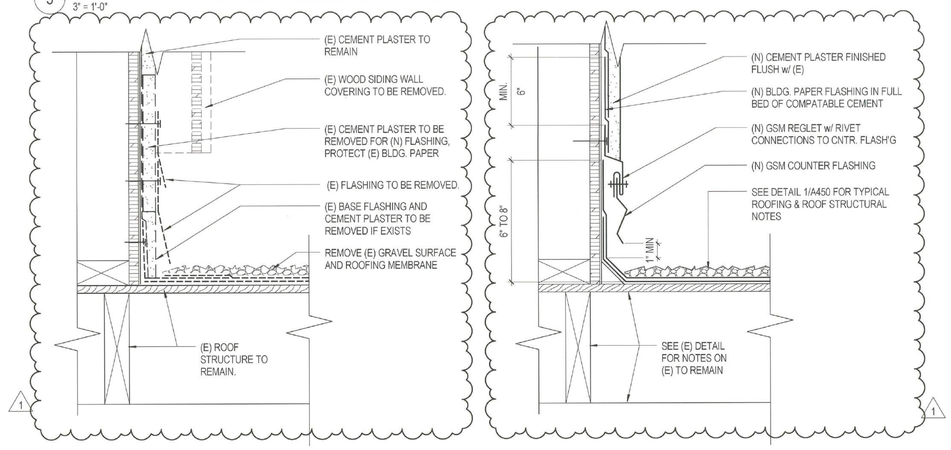
7 TRELLIS CROSS MEMBER CONNECTION
3" = 1'-0"



6 TRELLIS CROSS SECTION (TYP.)
1 1/2" = 1'-0"

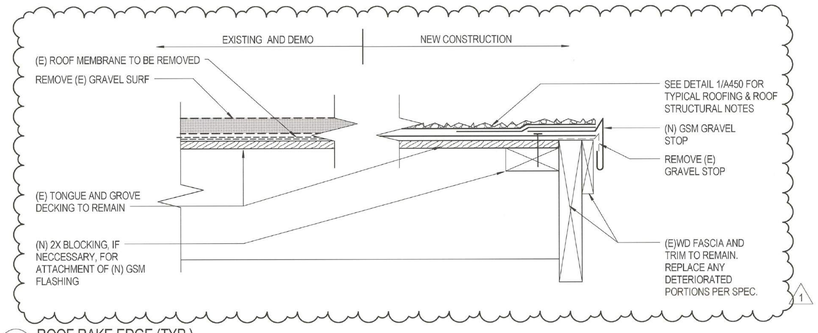


5 (N) ROOF HOLE PATCH (TYP.)
3" = 1'-0"

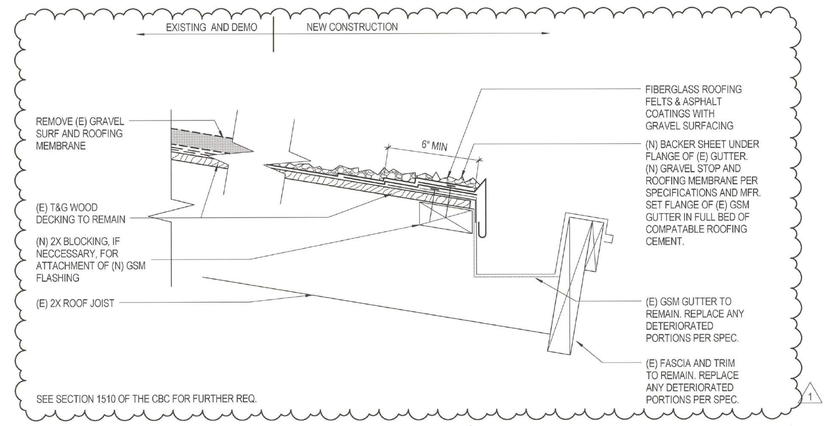


4 DEMO ROOF / WALL INTERSECTION
3" = 1'-0"

3 NEW ROOF / WALL INTERSECTION
3" = 1'-0"



2 ROOF RAKE EDGE (TYP.)
3" = 1'-0"



1 TYPICAL GUTTER DETAIL WITH ROOF RE-COVER (TYP.)
3" = 1'-0"

HGA
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

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MILL VALLEY CA 94941
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SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

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NAME: KEVIN DAY
DATE: AUGUST 31, 2016
REGISTRATION NUMBER: C-27255

APPROVED AS NOTED
SEP 06 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

NO	DESCRIPTION	DATE
1	CO #1	08/26/2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

ROOF AND TRELLIS DETAILS

REVISION
SEP 06 2016
San Mateo County Building Inspection

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A450

CONSTRUCTION DOCUMENTS BID SET

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TOM SWANSON
SPECIAL INSPECTIONS

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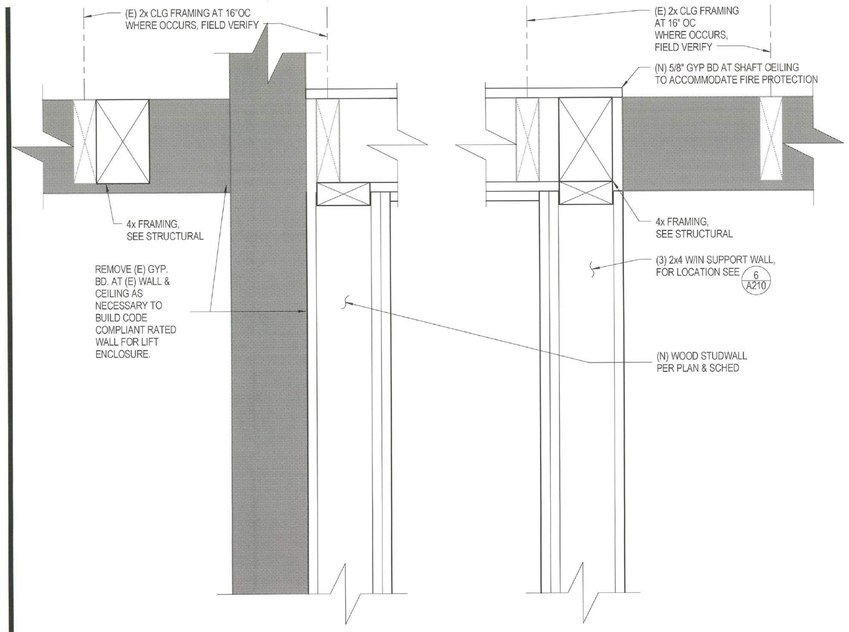
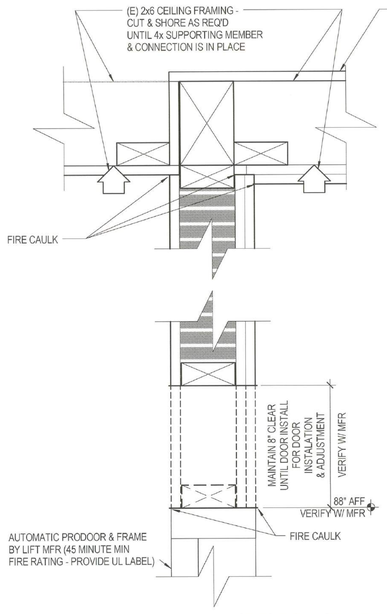
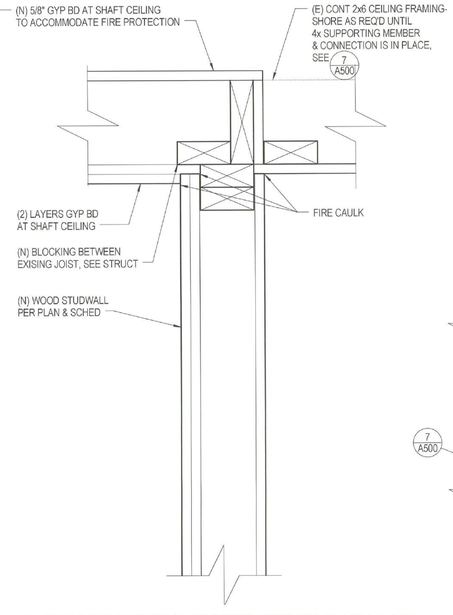


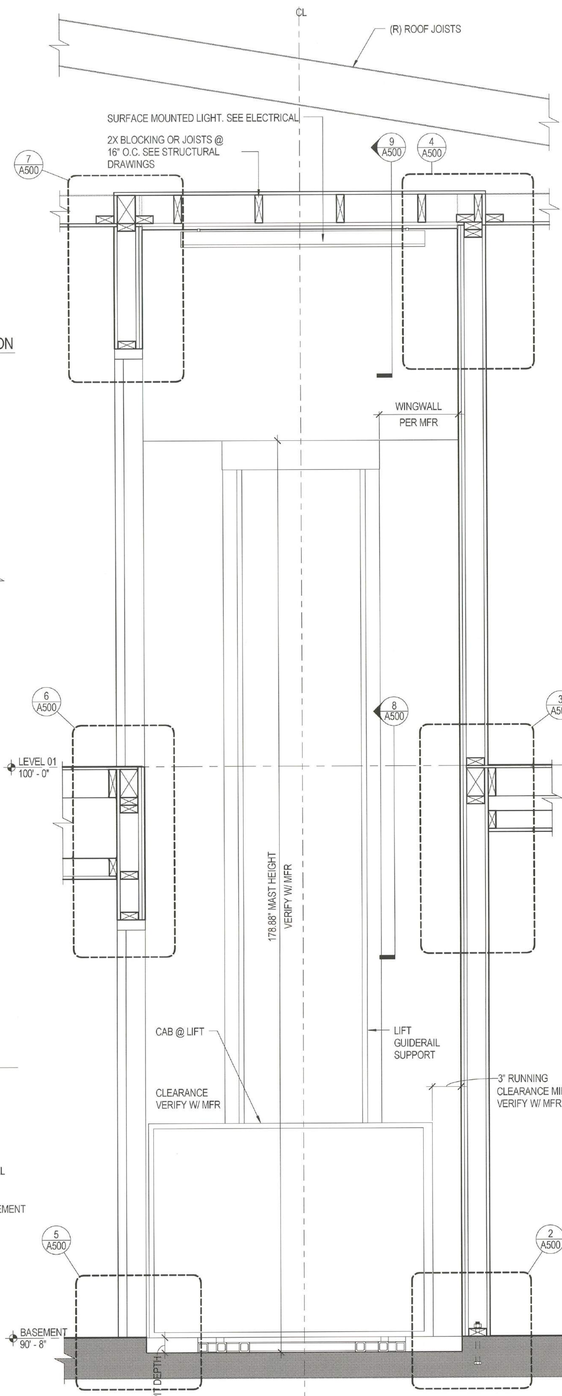
9 LIFT 1HR RATED WALL - LVL AT CEILING
3" = 1'-0"



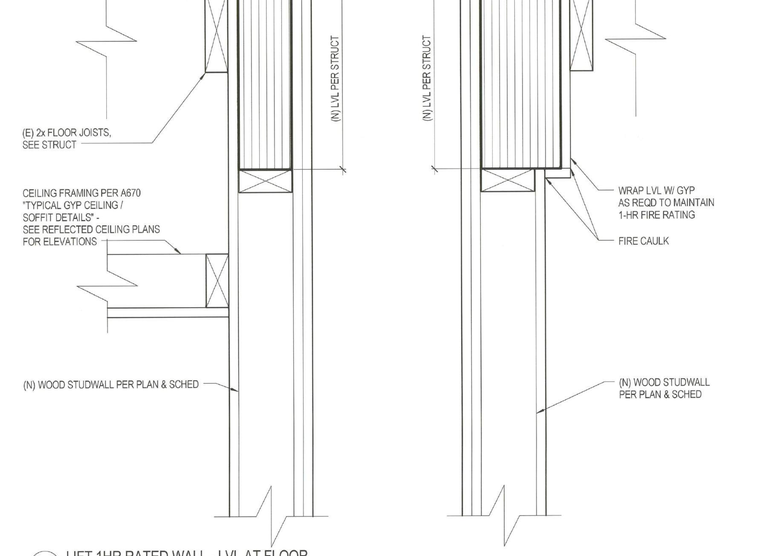
7 LIFT 1HR RATED WALL AT RATED HORIZONTAL PARTITION
3" = 1'-0"



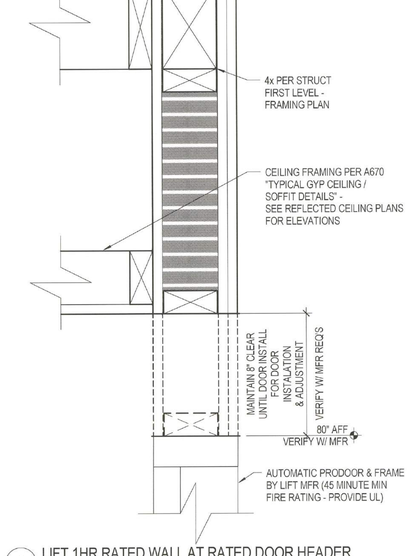
4 LIFT 1HR RATED WALL AT RATED HORIZONTAL PARTITION
3" = 1'-0"



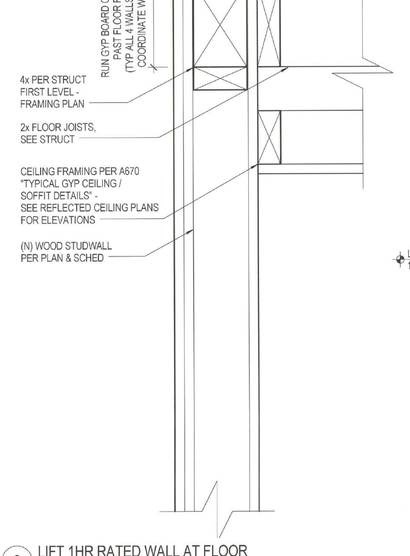
1 LIFT CROSS SECTION
1" = 1'-0"



8 LIFT 1HR RATED WALL - LVL AT FLOOR
3" = 1'-0"

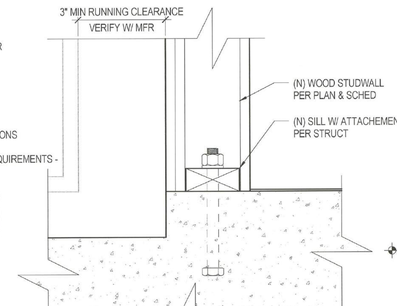


6 LIFT 1HR RATED WALL AT RATED DOOR HEADER
3" = 1'-0"



3 LIFT 1HR RATED WALL AT FLOOR
3" = 1'-0"

5 LIFT 1HR. RATED WALL AT RATED DOOR THRESHOLD
3" = 1'-0"



2 LIFT 1 HR. RATED WALL AT BASE
3" = 1'-0"

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170 Maiden Lane, 5th Floor
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SERENITY HOUSE

SAN MATEO COUNTY
DEPARTMENT OF
PUBLIC WORKS AND
HEALTH SYSTEM
BEHAVIORAL HEALTH
AND RECOVERY
SERVICES

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NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-23256

APPROVED PLAN
SEP 0 6 2016
BY San Mateo County Building Inspection Division

FOR COPY TO REMAIN ON SITE AT ALL TIMES

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

ENLARGED LIFT SECTIONS AND DETAILS

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A500

REVISION
SEP 0 6 2016
San Mateo County Building Inspection

CONSTRUCTION DOCUMENTS BID SET

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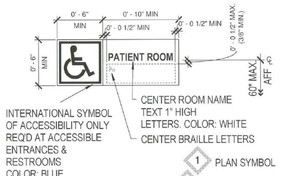
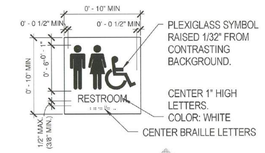


A ACCESSIBLE ROOM SIGN

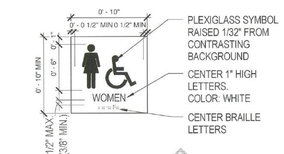
1 PLAN SYMBOL

1A PLAN SYMBOL WITH ISA GRAPHIC



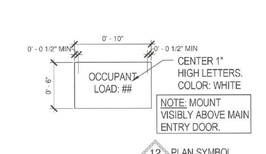
B UNISEX RESTROOM SIGN

2 PLAN SYMBOL



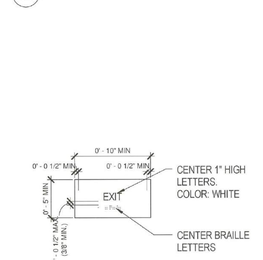
C WOMEN'S RESTROOM SIGN

3 PLAN SYMBOL



D OCCUPANT LOAD SIGN

12 PLAN SYMBOL ## (LOAD NUMBER)



E HORIZONTAL EXIT SIGN

5 PLAN SYMBOL

G MEN'S RESTROOM SIGN

7 PLAN SYMBOL

NOTE:
1. PROVIDE 1/4" THICK AND 12" IN DIAMETER WITH A 1/4" THICK CONTRASTING TRIANGLE SUPERIMPOSED ON THE CIRCLE AND WITHIN THE 12" DIAMETER FOR UNISEX RESTROOM.
2. PROVIDE 1/4" THICK TRIANGLE ONLY FOR MEN'S RESTROOM.
3. PROVIDE 1/4" THICK CIRCLE ONLY FOR WOMEN'S RESTROOM.
4. SIGN SHALL CONTRAST WITH DOOR ON WHICH IT IS MOUNTED.

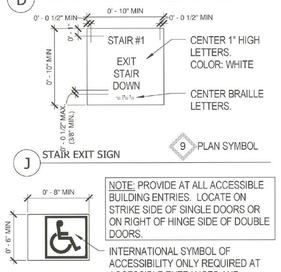
H I.S.A. RESTROOM DOOR SIGN

8 PLAN SYMBOL

K ISA SYMBOL

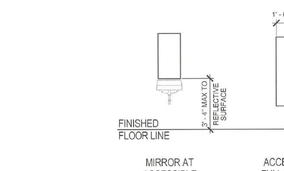
11 PLAN SYMBOL

10 TYPICAL SIGNAGE
1 1/2" = 1'-0"



J STAIR EXIT SIGN

9 PLAN SYMBOL



6 DOOR/ROOM SIGNAGE
1/4" = 1'-0"

5 MIRROR MOUNTING HEIGHTS
1/4" = 1'-0"

4 SIGN HEIGHT
1 1/2" = 1'-0"

1. CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS SERIF UPPER CASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE COMPLYING WITH CBC 11B-703.3.

2. CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" AND A MAXIMUM OF 2" HIGH. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MIN. AFF, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.

3. FINISH AND CONTRAST: CHARACTERS, SYMBOLS, AND THEIR BACKGROUNDS SHALL HAVE A NON-GLARE FINISH, CHARACTERS AND SYMBOLS SHALL HAVE AT LEAST 70% CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

4. PROPORTIONS: VISUAL AND RAISED CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MIN AND 110% MAX OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 10% MIN AND 15% MAX OF THE HEIGHT OF THE CHARACTER.

5. BRAILLE: CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHENEVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10" ON CENTERS IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND.

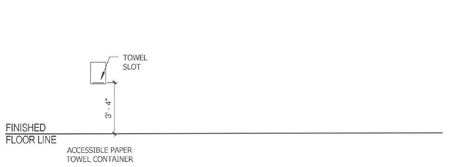
6. LOCATION: LOCATE SIGN A MINIMUM OF 4" AND A MAXIMUM OF 12" AWAY FROM DOOR STRIKE SIDE, UNLESS OTHERWISE NOTED. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18"X18" MIN., CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARCH OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

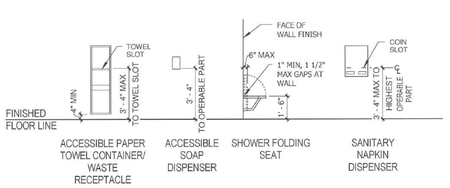
7. MATERIAL: SIGN MATERIAL TO BE 1/8" THICK ES PLASTIC WITH 1/32" RAISED BORDER AND LETTERS. MATCH EXISTING SIGNS.

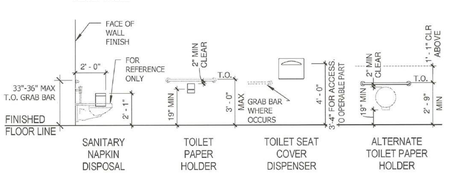
8. MOUNTING: PROVIDE MECHANICAL MOUNTING TO MATCH EXISTING FOR EACH SIGN.

9. COMPLIANCE: ALL SIGNAGE MUST COMPLY WITH ARTICLE 11B-703 OF CBC AS WELL AS CURRENT

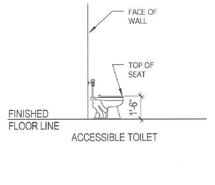
2 GENERAL SIGNAGE NOTES
1 1/2" = 1'-0"

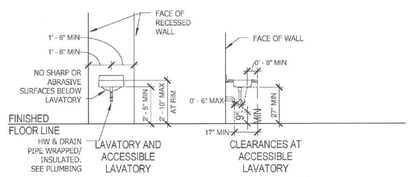




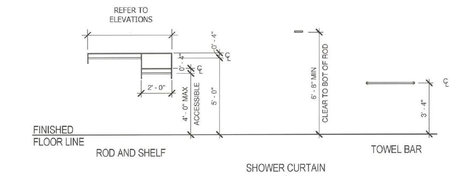


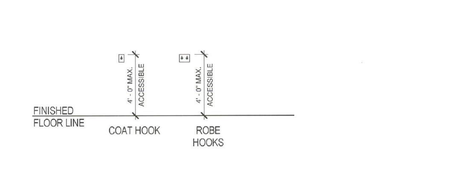
9 TOILET ROOM ACCESSORY MOUNTING HEIGHTS
1/4" = 1'-0"

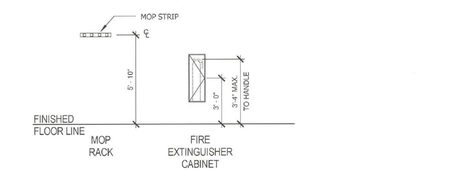




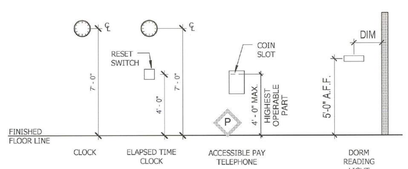
8 TYPICAL FIXTURE ELEVATIONS
1/4" = 1'-0"

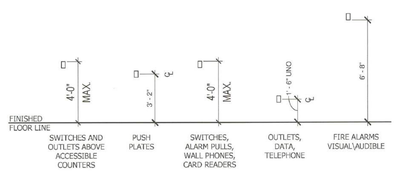






7 MISC. FURNISHINGS MOUNTING HEIGHTS
1/4" = 1'-0"





3 ELECTRICAL DEVICES MOUNTING HEIGHTS
1/4" = 1'-0"

A. ALL ACCESSORIES TO BE ACCESSIBLE UNLESS NOTED OTHERWISE.

B. ALL ITEMS SHOWN NOT NECESSARILY USED.

C. FOR MIRROR INSTALLATION ABOVE CERAMIC TILE (CT) PROVIDE HARDBOARD FURRING BEHIND MIRROR FLUSH WITH FACE OF CT WAINSCOT. HOLD EDGE OF HARDBOARD 3/8" BACK FROM EDGE OF MIRROR. SEAL THE RESULTING REVEAL WITH SANITARY SEALANT.

D. "#" SYMBOL SHOWN SERVES AS A PLACE HOLDER ONLY. REFER TO MATERIAL ID LIST, SPECIFICATIONS AND EQUIPMENT SCHEDULE FOR ACTUAL EQUIPMENT NUMBER.

E. PROVIDE BACKING WHERE REQUIRED BY MANUFACTURER. CONTRACTOR TO CHOOSE APPROPRIATE METHOD OR REFER TO SHEET 7/A630 FOR MOUNTING SUPPORT DETAILS AT MINIMUM WHERE GREATER THAN > 20LBS.

F. PROVIDE MOUNTING SUPPORTS AT ALL SHELVES, TOILET ACCESSORIES, MIRRORS, CLOCKS, CHALKBOARDS, MARKER BOARDS, WALL HOOKS, COAT RACKS/HOOKS, WOOD TRIM, DOOR BUMPERS, FIRE EXTINGUISHERS AND OTHER ITEMS TO BE SECURED TO WALL, UNLESS OTHER MEANS OF SUPPORT ARE INDICATED.

G. PROVIDE MOUNTING SUPPORTS AT LOCATIONS REQUIRED BY OWNER FOR OWNER INSTALLED ITEMS. CONTRACTOR TO COORDINATE WITH OWNER. (SEE EQUIPMENT INFORMATION AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.)

H. ALL FIXTURES AND ACCESSORIES AT ACCESSIBLE ROOMS ARE TO MEET THE MOST CURRENT ACCESSIBLE CODE REQUIREMENTS.

J. ALL CLEAR AND / OR MINIMUM DIMENSIONS ARE FROM FACE OF WALL OR FLOOR FINISH AS APPLICABLE.

K. SEE ELECTRICAL AND PLUMBING DRAWINGS FOR FURTHER MOUNTING HEIGHT INFORMATION.

L. WHERE GRAB BAR OCCURS AT SHOWER STALL. SLOPE ANTI-LIGATURE GRAB BARS WITHIN BETWEEN ALLOWED MINIMUM AND MAXIMUM TO COMPLY WITH CHAPTER 11B.

1 MOUNTING HEIGHT GENERAL NOTES
1 : 1

REVISION
SEP 06 2016
San Mateo County Building Inspection

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KEVIN M. DAY
C-27255
9-30-2017
RENEWAL DATE

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27255

APPROVED PLAN
SEP 06 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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NO	DESCRIPTION	DATE
1	ADDENDUM 1	SEP 06 2016

ISSUANCE / HISTORY - THIS SHEET

HGA NO: 3505-003-01

TYPICAL MOUNTING HEIGHTS AND SIGNAGE

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A600

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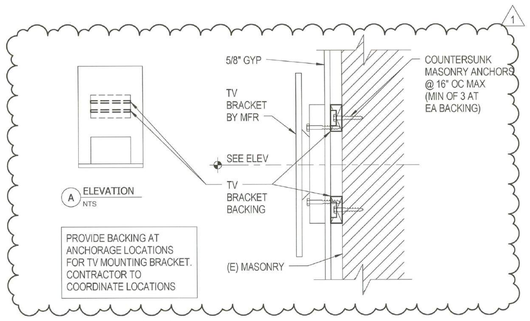
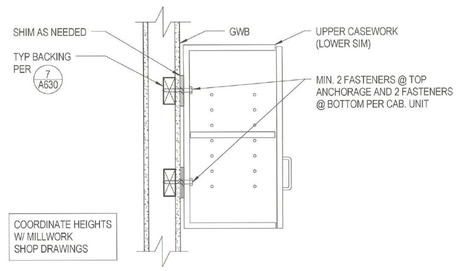
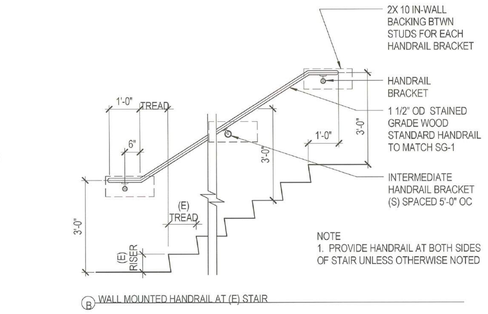


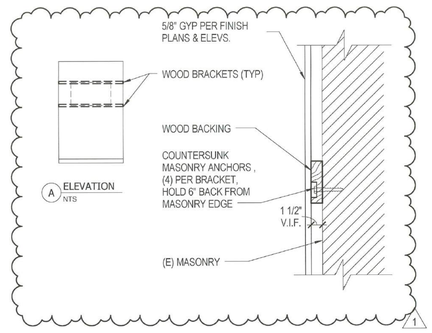
10 TV ANCHORAGE
1 1/2" = 1'-0"



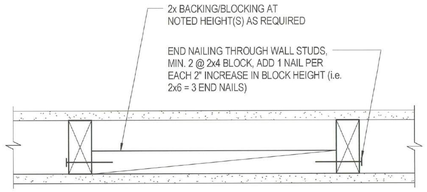
8 CASEWORK ANCHORAGE
1 1/2" = 1'-0"



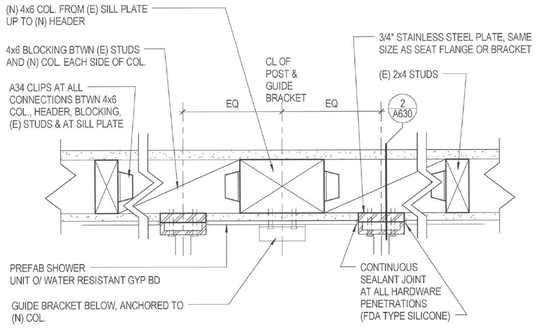
4 WALL MOUNTED HANDRAILS @ INT. STAIR
1/2" = 1'-0"



9 GYP BACKING
1 1/2" = 1'-0"

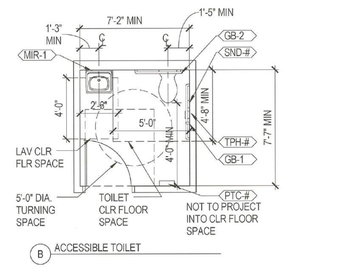


7 TYPICAL BACKING
3" = 1'-0"



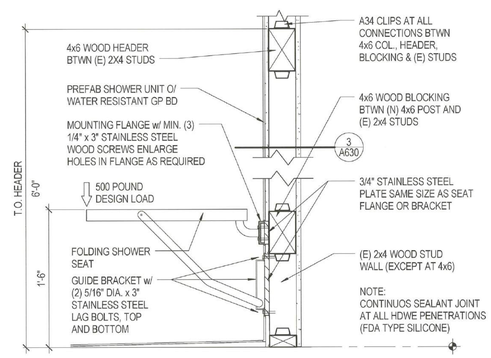
NOTES:
1. COORDINATE WITH SEAT MFR INSTALL INSTRUCTIONS
2. HOLES FOR WD SCREWS SHALL BE LOCATED & TAPPED IN FIELD TO INSURE PROPER SEAT INSTALLATION

3 FOLDING SHOWER SEAT PLAN
3" = 1'-0"

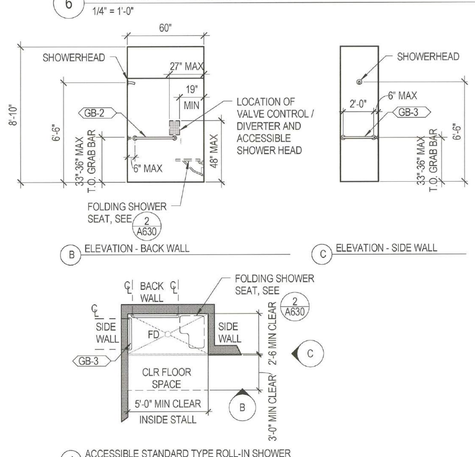


NOTE:
DIMENSIONS AND LAYOUTS SHOWN IN THIS DETAIL ARE INTENDED TO SHOW THE MINIMUM DIMENSIONS AND MAY NOT MATCH FLOOR PLAN CONFIGURATIONS EXACTLY.

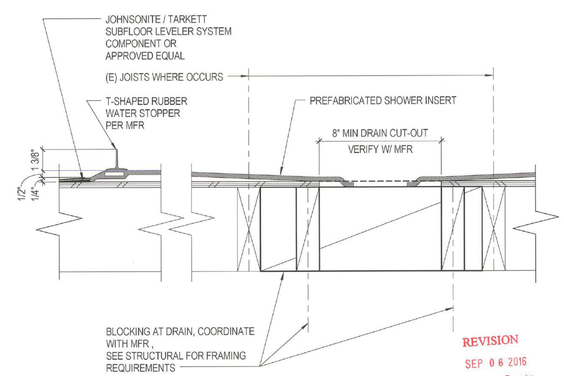
6 MINIMUM DIMENSIONS FOR ACCESSIBLE ROOMS
1/4" = 1'-0"



2 FOLDING SHOWER SEAT SECTION
1 1/2" = 1'-0"



5 MINIMUM DIMENSIONS FOR ACCESSIBLE ROOMS - SHOWERS
1/4" = 1'-0"



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SEP 06 2016
San Mateo County Building Inspection

1 ACCESSIBLE SHOWER ENTRANCE
-3" = 1'-0"

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170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

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LICENSED ARCHITECT Kevin M. Day C-27256 4-30-2017 Renewal Date STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

APPROVED PLAN
SEP 06 2016
SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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1	QQ #1	08/26/2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

TYPICAL INTERIOR DETAILS

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

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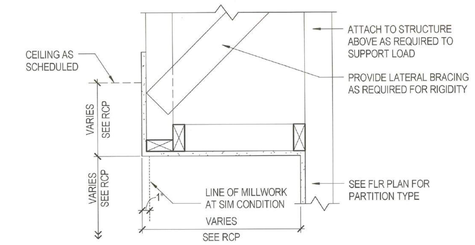
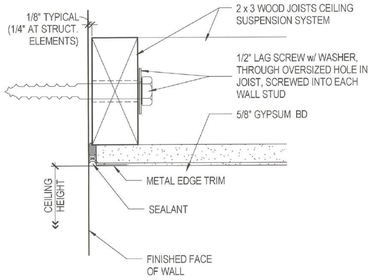
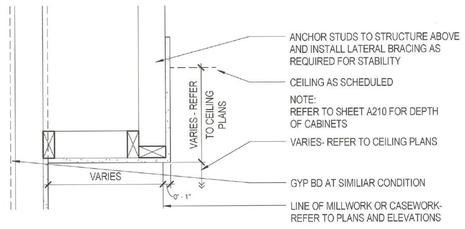


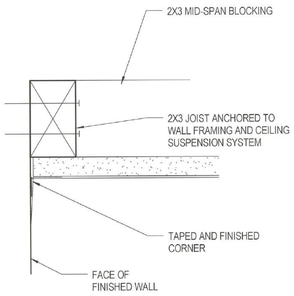
4 TYPICAL SOFFIT TRANSITION AT WALL
1 1/2" = 1'-0"



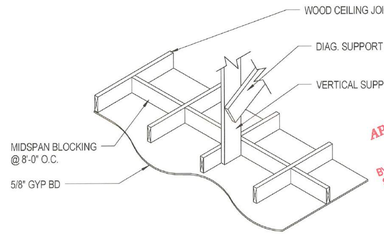
3 SUSPENDED GYPSUM BOARD CEILING AT WALL- FREE
6" = 1'-0"



6 SECTION AT CASEWORK SOFFIT
1 1/2" = 1'-0"



2 SUSPENDED GYPSUM BOARD CEILING AT WALL- ANCHORED
6" = 1'-0"



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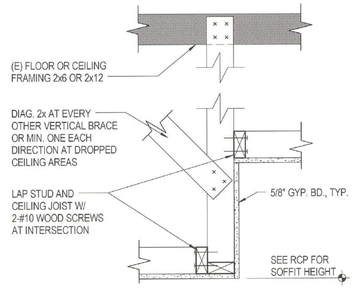
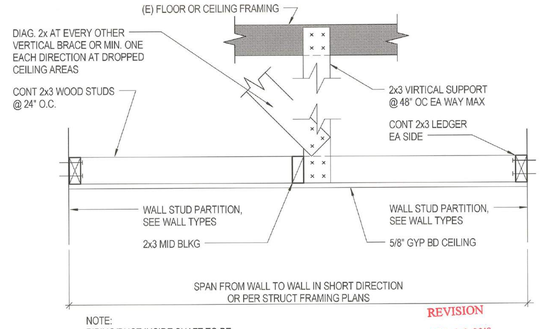


5 FRAMING REQUIREMENTS AT SOFFIT - WOOD
1 1/2" = 1'-0"



NOTE:
PIPING/DUCT INSIDE SHAFT TO BE SUPPORTED FROM FLOOR ABOVE.

REVISION
SEP 06 2016
San Mateo County Building Inspection

1 GYP BD FRAMED CEILING
1 1/2" = 1'-0"

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LICENSED ARCHITECT KEVIN DAY C-27256 4.30.2017 Renewal Date STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

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HGA NO: 3505-003-01

TYPICAL GYP CEILING / SOFFIT DETAILS

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

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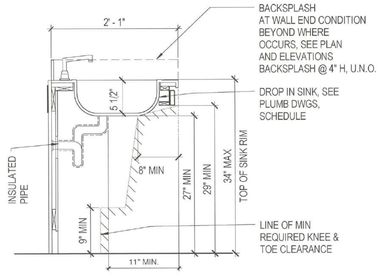
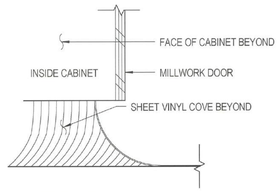
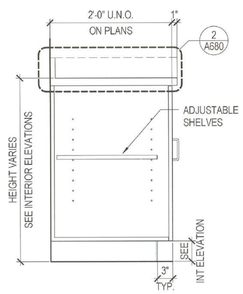


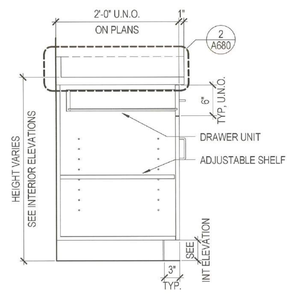
17 ACCESSIBLE CASEWORK SINK
1" = 1'-0"



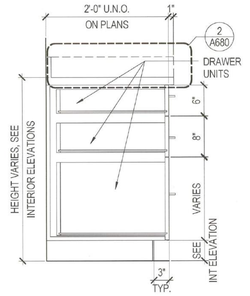
16 DOOR AT ACCESSIBLE SINK
3" = 1'-0"



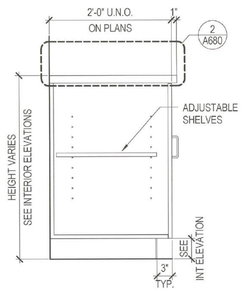
13A BASE CABINET
1" = 1'-0"



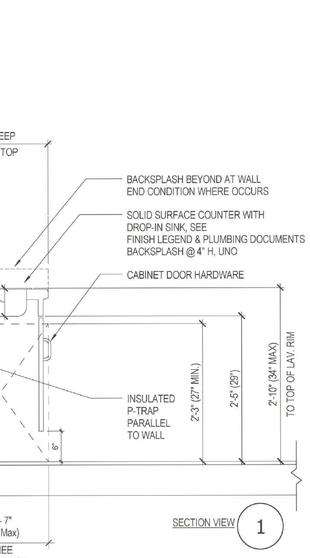
13B DRAWER BASE CABINET
1" = 1'-0"



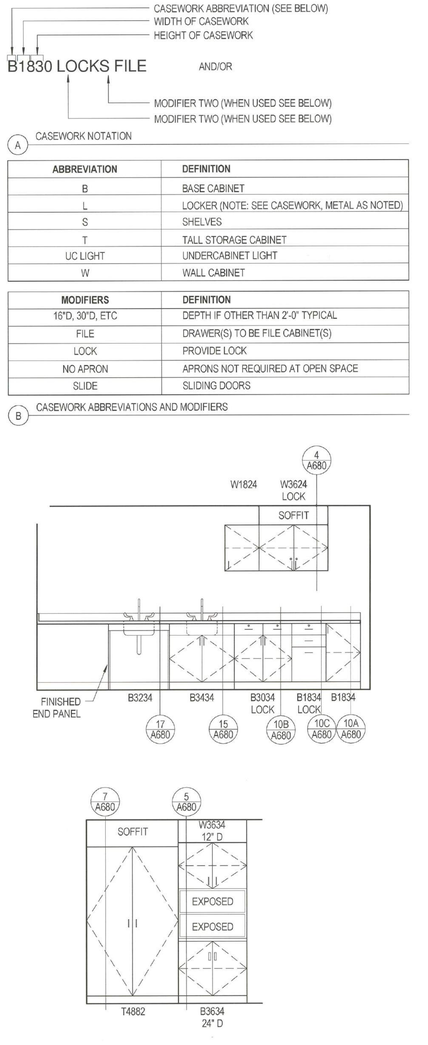
13C BASE CABINET - 3 DRAWER
1" = 1'-0"



13D BASE CABINET WITHOUT BACKSPLASH
1" = 1'-0"



15 ACCESSIBLE SINK DETAIL
1" = 1'-0"

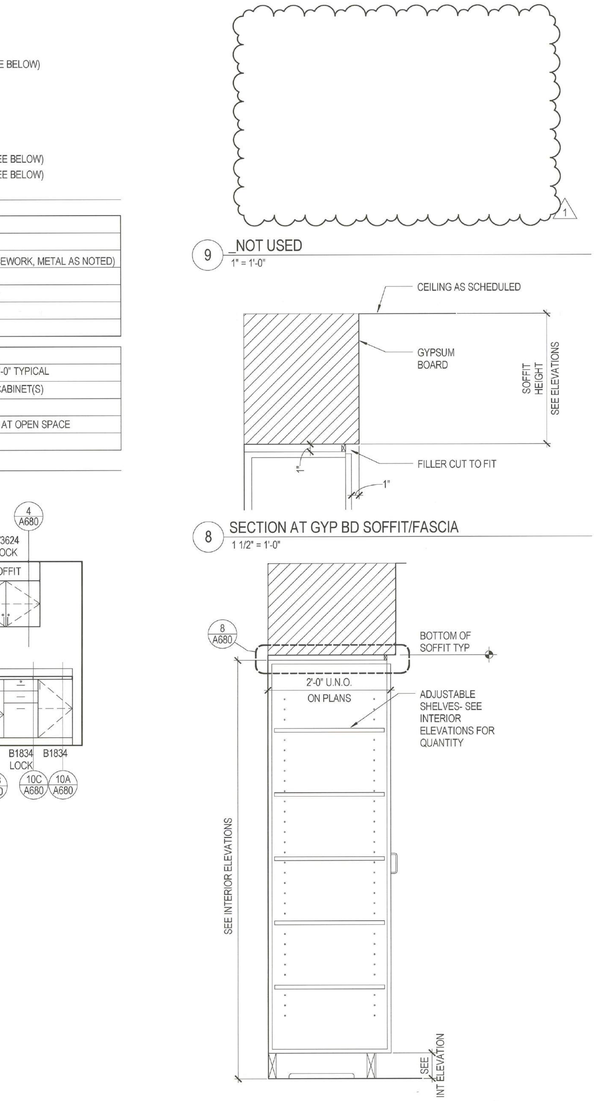


ABBREVIATION	DEFINITION
B	BASE CABINET
L	LOCKER (NOTE: SEE CASEWORK, METAL AS NOTED)
S	SHELVES
T	TALL STORAGE CABINET
UC LIGHT	UNDERCABINET LIGHT
W	WALL CABINET

MODIFIERS	DEFINITION
16"D, 30"D, ETC	DEPTH IF OTHER THAN 2'-0" TYPICAL
FILE	DRAWER(S) TO BE FILE CABINET(S)
LOCK	PROVIDE LOCK
NO APRON	APRONS NOT REQUIRED AT OPEN SPACE
SLIDE	SLIDING DOORS

B CASEWORK ABBREVIATIONS AND MODIFIERS

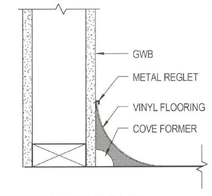
14 TYPICAL ARCHITECTURAL CASEWORK TYPES
1 : 1



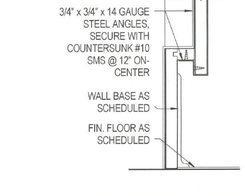
9 NOT USED
1" = 1'-0"

8 SECTION AT GYP BD SOFFIT/FASCIA
1 1/2" = 1'-0"

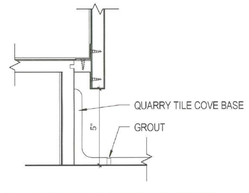
7 ADJUSTABLE SHELVES TALL STORAGE
1" = 1'-0"



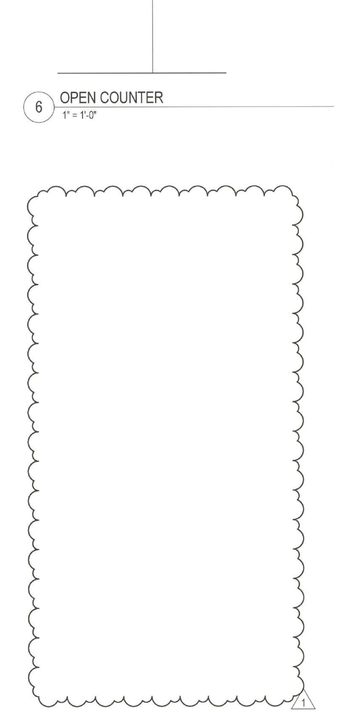
10 INTEGRAL COVE BASE
3" = 1'-0"



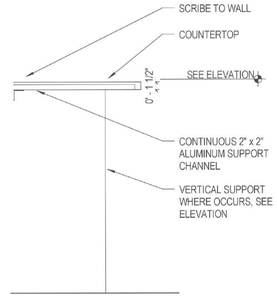
12 WALL BASE SECTION, WHERE IT OCCURS
3" = 1'-0"



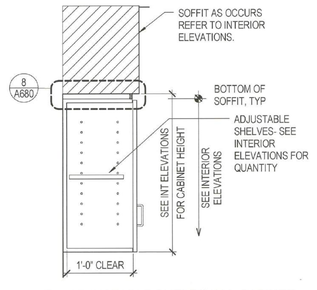
11 QUARRY TILE BASE SECTION
3" = 1'-0"



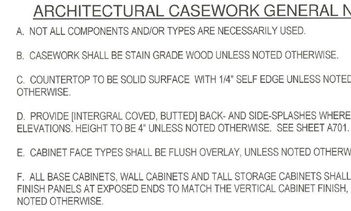
5 NOT USED
1" = 1'-0"



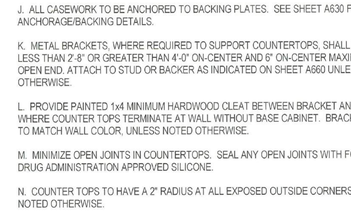
6 OPEN COUNTER
1" = 1'-0"



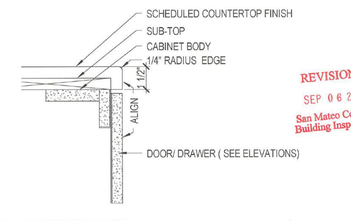
4 ADJUSTABLE SHELF WALL CABINET
1" = 1'-0"



3 LOW HEIGHT BACKSPLASH
3" = 1'-0"



2 TYPICAL COUNTERTOP
1" = 1'-0"



1 COUNTER EDGE
3" = 1'-0"

ARCHITECTURAL CASEWORK GENERAL NOTES

A. NOT ALL COMPONENTS AND/OR TYPES ARE NECESSARILY USED.

B. CASEWORK SHALL BE STAIN GRADE WOOD UNLESS NOTED OTHERWISE.

C. COUNTERTOP TO BE SOLID SURFACE WITH 1/4" SELF EDGE UNLESS NOTED OTHERWISE.

D. PROVIDE [INTERGRAL COVED, BUTTED] BACK- AND SIDE-SPLASHES WHERE SHOWN ON ELEVATIONS. HEIGHT TO BE 4" UNLESS NOTED OTHERWISE. SEE SHEET A701.

E. CABINET FACE TYPES SHALL BE FLUSH OVERLAY, UNLESS NOTED OTHERWISE.

F. ALL BASE CABINETS, WALL CABINETS AND TALL STORAGE CABINETS SHALL HAVE FINISH PANELS AT EXPOSED ENDS TO MATCH THE VERTICAL CABINET FINISH, UNLESS NOTED OTHERWISE.

G. SEE INTERIOR ELEVATIONS OR FINISH PLANS FOR CABINET FINISHES.

H. SEE INTERIOR ELEVATIONS FOR QUANTITY OF ADJUSTABLE SHELVING AND CONFIGURATION.

I. ALL SHELVING TO BE 2'-0" O.C., MAX.

J. ALL CASEWORK TO BE ANCHORED TO BACKING PLATES. SEE SHEET A630 FOR ANCHORAGE/BACKING DETAILS.

K. METAL BRACKETS, WHERE REQUIRED TO SUPPORT COUNTERTOPS, SHALL BE NOT LESS THAN 2'-8" OR GREATER THAN 4'-0" ON-CENTER AND 6" ON-CENTER MAXIMUM FROM OPEN END. ATTACH TO STUD OR BACKER AS INDICATED ON SHEET A660 UNLESS NOTED OTHERWISE.

L. PROVIDE PAINTED 1x4 MINIMUM HARDWOOD CLEAT BETWEEN BRACKET AND WALL WHERE COUNTER TOPS TERMINATE AT WALL WITHOUT BASE CABINET. BRACKET FINISH TO MATCH WALL COLOR, UNLESS NOTED OTHERWISE.

M. MINIMIZE OPEN JOINTS IN COUNTERTOPS. SEAL ANY OPEN JOINTS WITH FOOD AND DRUG ADMINISTRATION APPROVED SILICONE.

N. COUNTER TOPS TO HAVE A 2" RADIUS AT ALL EXPOSED OUTSIDE CORNERS, UNLESS NOTED OTHERWISE.

O. PROVIDE A GROMMET AT EACH LOCATION WHERE POWER OR SIGNAL DEVICES OCCUR BELOW A COUNTERTOP, UNLESS NOTED OTHERWISE.

P. ALL CABINET RUNS ADJACENT TO WALLS TO HAVE NOMINAL 1" FILLER SCRIBED TO THE WALLS UNLESS OTHERWISE NOTED.

Q. COORDINATE EQUIPMENT INSTALLATION SEQUENCE WITH AVAILABLE SPACE AND TOLERANCES.

hga.
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER
HGA
1200 R STREET, SUITE 100
SACRAMENTO, CA 95811
916.787.5100

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415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

COUNTY OF SAN MATEO FOUNDED 1856

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

LICENSED ARCHITECT C-27256 Kevin Day 4.30.2017 STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

NO	DESCRIPTION	DATE
1	CO #1	08/26/2016

ISSUANCE HISTORY - THIS SHEET

APPROVED PLANS SEP 30 2016 BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY TO REMAIN ON SITE AT ALL TIMES

REVISION SEP 06 2016 San Mateo County Building Inspection

HGA NO: 3505-003-01

CASEWORK DETAILS / INTERIOR MILLWORK

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A680

CONSTRUCTION DOCUMENTS BID SET

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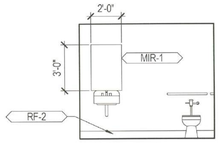
8/30/2016 10:41:39 AM C:\Users\dpatricia\Documents\Revit Local Files\A15-SERENITY_HOUSE-3505-003-01_dpatricia-PC7873.rvt Author

GENERAL NOTES - INTERIOR ELEVATIONS

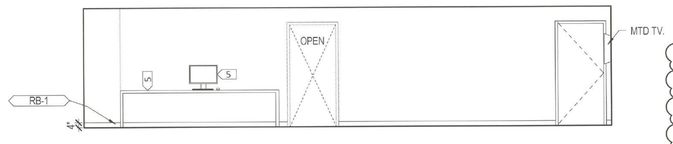
A. REFER TO SHEET A600 FOR TYPICAL MOUNTING HEIGHTS.
B. REFER TO SHEET I200 FOR FINISH PLAN AND FINISH LEGEND.
C. PROVIDE WOOD TRIM FOR MIRROR, SEE SPEC SECTION 102813
D. COUNTERTOP DETAIL. SEE SHEET A680
E. WALL BASE DETAILS. SEE SHEET A680

KEYNOTES - INTERIOR ELEVATIONS

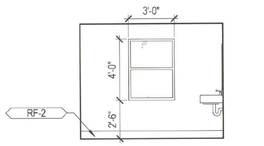
#	DESCRIPTOIN
1	PROVIDE LOCKS AT CABINET DRAWERS ONLY
2	1 SHELF
3	5 SHELVES
4	PROVIDE BACKING FOR TV MOUNTING BRACKET. CONTRACTOR TO COORDINATE LOCATIONS.
5	FURNITURE / EQUIPMENT BY OPERATOR
6	NEW FIREPLACE MANTEL. BUILDERS CHOICE - CRAFTSMAN. PREMANUFACTURED PAINT GRADE MANTEL OR APPROVED EQUAL. PAINT GRADE FIRE PLACE MANTEL TO MATCH WALL PAINT PT-1. LENGTH TO BE V.I.F. INSTALL PER MANUFACTURER'S INSTRUCTIONS. COMPLY WITH CBC 2112.12 EXCEPTION 4.
7	NEW FIREPLACE SCREEN WITH 2 DOORS AND TEMPERED GLASS ACCENTS. PLOW AND HEARTH - MODEL #11495, MODEL #11494 OR APPROVED EQUAL. SIZE TO BE V.I.F. FIREPLACE SCREEN FASTENED TO OPENING. COORDINATE WITH ARCHITECT.
8	EXISTING FIREPLACE AND HEARTH TO REMAIN. CLEAN AND PREP EXISTING FIREPLACE BRICK FACADE / OPENING TO RECEIVE NEW PAINT TO MATCH PT-1.CLEAN AND REMOVE DIRT, STAINS TO (E) HEARTH. ADD ALTERNATE GAS INSERT. FOR GAS INSERT OPTION, PLEASE NOTE THERE IS (E) ASBESTOS IN THE FIRE BOX.



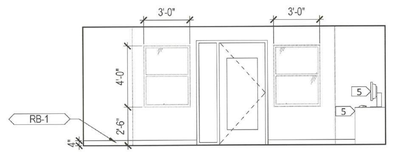
8 002 - BATH - SOUTH
1/4" = 1'-0"



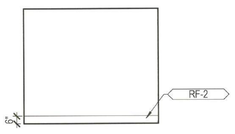
4 000 - ACTIVITY ROOM - SOUTH
1/4" = 1'-0"



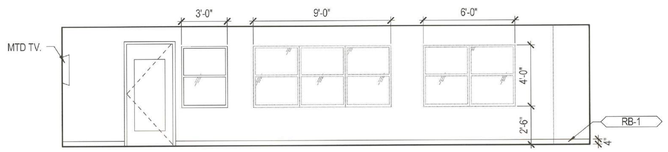
7 002 - BATH - EAST
1/4" = 1'-0"



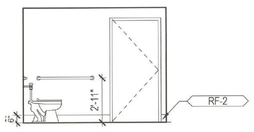
3 000 - ACTIVITY ROOM - EAST
1/4" = 1'-0"



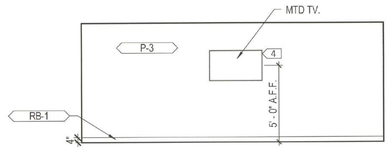
6 002 - BATH - NORTH
1/4" = 1'-0"



2 000 - ACTIVITY ROOM - NORTH
1/4" = 1'-0"



5 002 - BATH - WEST
1/4" = 1'-0"



1 000 - ACTIVITY ROOM - WEST
1/4" = 1'-0"

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170 Maiden Lane,5th Floor
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER
HGA
1200 R STREET, SUITE 100
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916.787.5100

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MILL VALLEY CA 94941
415.383.7900

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SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA.

REGISTERED ARCHITECT C-27259 4.30.2017 RENEWAL DATE STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2015
REGISTRATION NUMBER C-27259

NO	DESCRIPTION	DATE
1	CO #1	08/26/2016

ISSUANCE HISTORY - THIS SHEET

APPROVED PLAN SEP 30 2016 BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY TO REMAIN ON SITE AT ALL TIMES

REVISION SEP 06 2016 San Mateo County Building Inspection

HGA NO: 3505-003-01

INTERIOR ELEVATIONS - BASEMENT

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A700

CONSTRUCTION DOCUMENTS BID SET

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8/30/2016 10:41:42 AM C:\Users\dgelsleich\Documents\Revit Local Files\A15-SERENITY_HOUSE-3505-003-01_dgelsleich.RVT673.rvt

GENERAL NOTES - INTERIOR ELEVATIONS

A. REFER TO SHEET A600 FOR TYPICAL MOUNTING HEIGHTS.
B. REFER TO SHEET I200 FOR FINISH PLAN AND FINISH LEGEND.
C. PROVIDE WOOD TRIM FOR MIRROR, SEE SPEC SECTION 102813
D. COUNTERTOP DETAIL. SEE SHEET A680
E. WALL BASE DETAILS. SEE SHEET A680

KEYNOTES - INTERIOR ELEVATIONS

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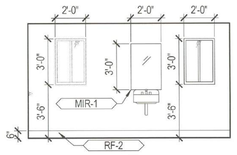
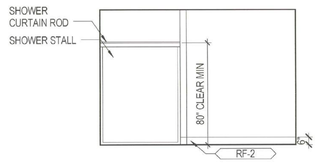
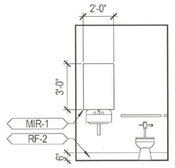


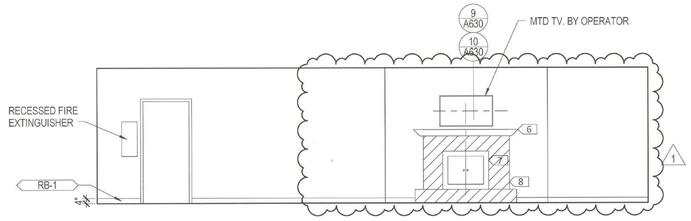
18 204 - STAFF BATH - SOUTH
1/4" = 1'-0"



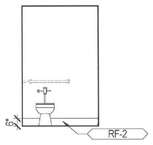
14 110 - BATH - SOUTH
1/4" = 1'-0"
OPP. ROOM 114



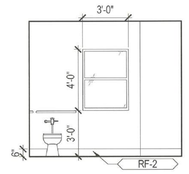
10 117 - BATH - SOUTH
1/4" = 1'-0"



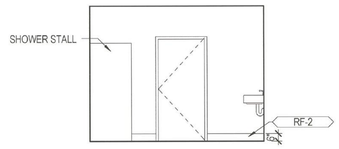
6 103 - LIVING ROOM - EAST
1/4" = 1'-0"



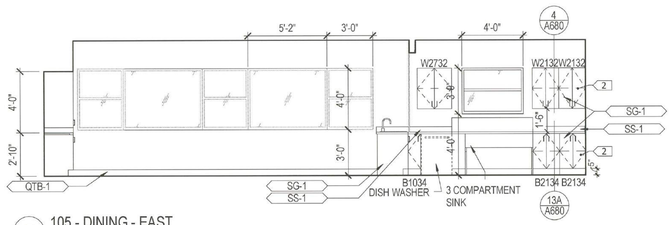
17 204 - STAFF BATH - EAST
1/4" = 1'-0"



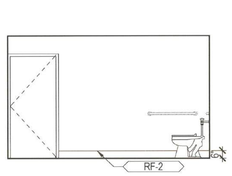
13 110 - BATH - EAST
1/4" = 1'-0"
OPP. ROOM 114



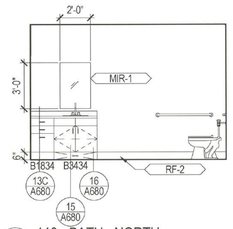
9 117 - BATH - EAST
1/4" = 1'-0"



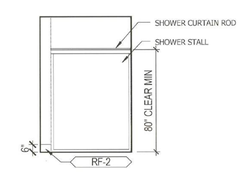
5 105 - DINING - EAST
1/4" = 1'-0"



16 204 - STAFF BATH - NORTH
1/4" = 1'-0"



12 110 - BATH - NORTH
1/4" = 1'-0"
OPP. ROOM 114



8 117 - BATH - NORTH
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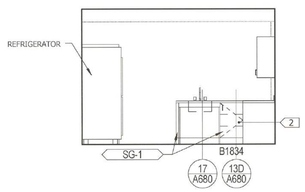

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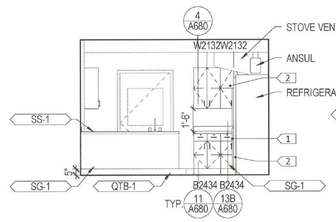

3 105 - DINING - SOUTH
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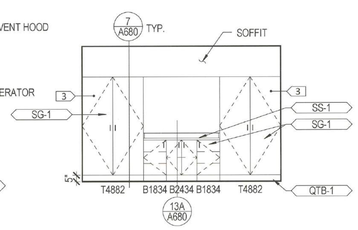
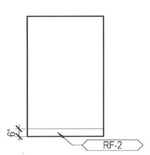


2 105 - DINING - NORTH
1/4" = 1'-0"



15 204 - STAFF BATH - WEST
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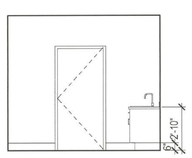
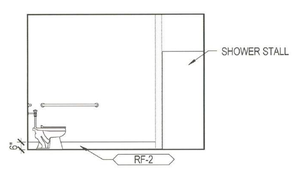
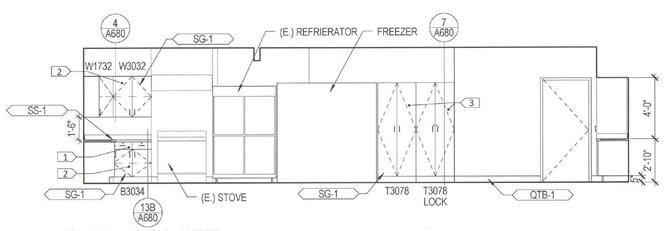


11 110 - BATH - WEST
1/4" = 1'-0"
OPP. ROOM 114



7 117 - BATH - WEST
1/4" = 1'-0"



1 105 - DINING - WEST
1/4" = 1'-0"

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MILL VALLEY CA 94941
415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

NO	DESCRIPTION	DATE
1	CO #1	08/26/2016

ISSUANCE HISTORY - THIS SHEET

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY TO REMAIN ON SITE AT ALL TIMES

REVISION
SEP 06 2016
San Mateo County Building Inspection

HGA NO: 3505-003-01

INTERIOR ELEVATIONS - LEVEL 1

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A701

CONSTRUCTION DOCUMENTS BID SET

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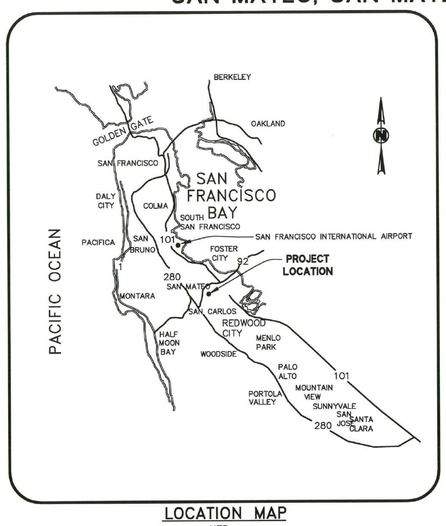
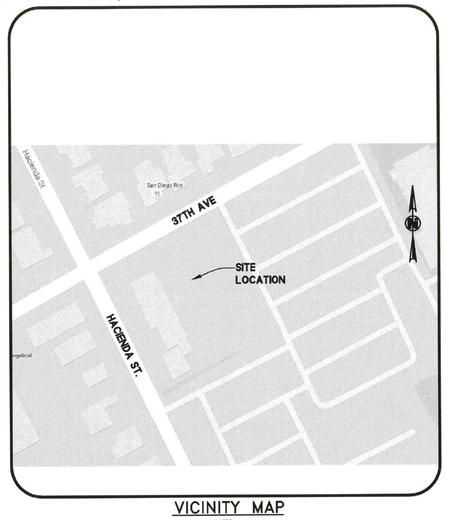
8/30/2016 10:41:46 AM C:\Users\dansicak\Documents\Revit Local Files\A15-SERENITY_HOUSE-3505-003-01 - dsansicak-2C7673.rvt Author

SERENITY HOUSE

SAN MATEO, SAN MATEO COUNTY, CALIFORNIA



LOCATION MAP
NTS



VICINITY MAP
NTS

GENERAL NOTES

1. THE CONTRACTOR SHALL CONTAIN HIS OPERATION WITHIN THE SITE BOUNDARY AND SHALL USE EXTREME CARE TO PRESERVE AND PROTECT EXISTING FACILITIES. CONTRACTOR SHALL REPLACE ALL DAMAGED IMPROVEMENTS AT HIS OWN EXPENSE.

2. ALL REVISIONS TO THESE PLANS MUST BE REVIEWED AND APPROVED IN WRITING BY THE ENGINEER PRIOR TO CONSTRUCTION OF AFFECTED ITEMS.

3. THE CONTRACTOR SHALL RESTORE TO THEIR PREVIOUS CONDITION ALL WALLS, FENCES, SERVICES, UTILITIES, IMPROVEMENTS OR FEATURES OF WHATEVER NATURE WHICH ARE DAMAGED, DUE TO THE CONTRACTOR'S WORK.

4. CONTRACTOR SHALL POST ON SITE EMERGENCY TELEPHONE NUMBERS FOR ENGINEER, AMBULANCE, POLICE, FIRE DEPARTMENTS, AND THOSE AGENCIES RESPONSIBLE FOR MAINTENANCE OF UTILITIES IN THE VICINITY OF THE JOB SITE.

5. EXISTING PEDESTRIAN WALKWAYS, BIKEWAYS AND HANDICAP ACCESS PATHWAYS SHALL BE MAINTAINED DURING CONSTRUCTION.

6. NO EQUIPMENT, DEBRIS, OR CONSTRUCTION MATERIAL MAY BE STORED WITHIN THE IMPROVED RIGHT-OF-WAY FOR INDUSTRIAL ROAD AND THE CONSTRUCTION ACCESS ROAD AT ANY TIME WITHOUT THE PRIOR WRITTEN APPROVAL OF THE PUBLIC WORKS DIRECTOR.

7. CONTRACTOR WILL BE RESPONSIBLE FOR THE LAWFUL REMOVAL AND DISPOSAL OF ALL SPOILS MATERIAL.

8. CONTRACTOR SHALL INSURE POSITIVE DRAINAGE TO DRAINAGE FACILITIES AT ALL TIMES DURING THE CONSTRUCTION ACTIVITIES.

9. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND LICENSES TO DO WORK WITHIN THE CITY RIGHT-OF-WAY PRIOR TO THE START OF CONSTRUCTION.

10. CONTRACTOR SHALL COMPLY WITH ALL STATE, COUNTY, AND CITY LAWS AND ORDINANCES; AND REGULATIONS OF THE DEPARTMENT OF INDUSTRIAL RELATION, O.S.H.A. AND THE INDUSTRIAL ACCIDENT COMMISSION

11. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (U.S.A.) (PHONE 1-800-642-2444) AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WORK TO VERIFY LOCATIONS OF EXISTING UTILITIES.

12. ALL MATERIAL SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR UNLESS OTHERWISE NOTED.

13. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED AND SHEATHED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE AND SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. ANY DAMAGE RESULTING FROM A LACK OF ADEQUATE SHORING, BRACING AND SHEATHING, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND HE SHALL COMPLETE NECESSARY REPAIRS OR RECONSTRUCTION AT HIS OWN EXPENSE. THE CONTRACTOR SHALL COMPLY WITH O.S.H.A. REQUIREMENTS AT ALL TIMES.

14. THE CONTRACTOR SHALL PROVIDE DUST CONTROL FOR THE ENTIRE PROJECT SITE AT ALL TIMES. THE SITE SHALL BE SPRINKLED AS NECESSARY TO PREVENT DUST NUISANCE. IN THE EVENT THE CONTRACTOR NEGLECTS TO USE ADEQUATE MEASURES TO CONTROL DUST, THE CITY RESERVES THE RIGHT TO TAKE WHATEVER MEASURES ARE NECESSARY TO CONTROL DUST AND CHARGE THE COST TO THE CONTRACTOR.

15. DURING CONSTRUCTION, THE CONTRACTOR SHALL SWEEP PUBLIC STREETS AND ADJACENT SURFACES DAILY, OR AS OFTEN AS NECESSARY, TO KEEP AREAS FREE OF VISIBLE SOIL MATERIAL AND TO PROTECT ADJACENT PROPERTIES FROM DUST, TO THE SATISFACTION OF THE OWNER. DRY SWEEPING METHODS SHALL BE USED WHEN POSSIBLE FOR CLEANING SEDIMENTS FROM STREETS, DRIVEWAY AND PAVED AREAS ON THE SITE.

16. AS TO THE ACCURACY BETWEEN THE WORK SET FORTH ON THESE PLANS AND THE WORK IN THE FIELD, ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO START OF CONSTRUCTION.

17. UPON SATISFACTORY COMPLETION OF THE WORK, THE ENTIRE WORK SITE SHALL BE CLEANED BY THE CONTRACTOR AND LEFT WITH A SMOOTH AND NEATLY GRADED SURFACE FREE OF CONSTRUCTION WASTE, RUBBISH, AND DEBRIS OF ANY NATURE.

18. THE DRAWINGS AND CONTRACT DOCUMENTS SHALL BE CONSIDERED TO BE COMPLEMENTARY TO EACH OTHER. ANYTHING MENTIONED IN THE SPECIFICATIONS AND NOT SHOWN ON THE DRAWINGS, OR SHOWN ON THE DRAWINGS AND NOT MENTIONED IN THE SPECIFICATIONS SHALL BE AS IF SHOWN ON OR MENTIONED IN BOTH. SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR SPECIFIED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH THE WORK IN QUESTION.

19. WORK SHALL BE PERFORMED WITH THE PROJECT PLANS, DETAILS, SPECIFICATIONS AND THESE NOTES.

20. CONSTRUCTION STAKING SHALL BE DONE BY A CIVIL ENGINEER OR LAND SURVEYOR REGISTERED IN THE STATE OF CALIFORNIA. CONSTRUCTION STAKING COSTS SHALL BE BORNE BY THE CONTRACTOR.

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL PREPARE A TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL ALSO PROVIDE FLAGMEN, CONES, OR BARRICADES, AS NECESSARY TO CONTROL TRAFFIC AND PREVENT HAZARDOUS CONDITIONS. THE CONTRACTOR SHALL LEAVE A 24-HOUR EMERGENCY TELEPHONE NUMBER WITH THE OWNER, AND KEEP THEM INFORMED DAILY OF DETOURS.

22. TRENCHES SHALL NOT BE LEFT OPEN OVERNIGHT. CONTRACTOR SHALL BACKFILL TRENCHES OR PLACE STEEL PLATING OR HOT-MIX ASPHALT AS REQUIRED TO PROTECT OPEN TRENCHES AT THE END OF EVERY WORK DAY.

23. PRIOR TO FINAL PREPARATION OF THE SUBGRADE AND PLACEMENT OF BASE MATERIALS FOR PAVED AREAS, UNDERGROUND UTILITY MAINS SHALL BE INSTALLED AND SERVICE CONNECTIONS STUBBED OUT. STUB-OUTS SHALL BE INSTALLED IN A MANNER WHICH WILL NOT DISTURB THE PAVEMENT, CURB AND GUTTER, AND WALKS WHEN SERVICE CONNECTIONS ARE MADE.

24. SHOULD IT APPEAR THAT THE WORK OUTLINED IN THESE PLANS IS NOT SUFFICIENTLY DETAILED OR SPECIFIED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH THE WORK IN QUESTION AND REQUEST CLARIFICATION.

25. WHEN SPECIFICATIONS OR STANDARDS FROM DIFFERENT AUTHORITIES DIFFER FOR THE SAME SUBJECT MATTER, NOTIFY THE ENGINEER AND REQUEST CLARIFICATION.

26. AN ENCROACHMENT PERMIT IS REQUIRED FOR WORK WITHIN THE PUBLIC RIGHT-OF-WAY OR EASEMENT AND MUST BE OBTAINED PRIOR TO COMMENCEMENT OF WORK.

27. THE CONTRACTOR SHALL BE AWARE THAT DEWATERING ACTIVITIES SHALL COMPLY WITH THE CONDITIONS OF THE BAY AREA REGIONAL WATER QUALITY CONTROL BOARD GENERAL PERMIT FOR CONSTRUCTION SITES.

28. ALL GRADING WORK IS REQUIRED TO MEET THE WATER QUALITY STANDARDS OUTLINED IN THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND THE APPLICANT SHALL IMPLEMENT THE CONSTRUCTION BEST MANAGEMENT PRACTICES LISTED ON THE STORMWATER POLLUTION PREVENTION PROGRAM "CHECKLIST FOR CONSTRUCTION REQUIREMENTS."

29. DURING GRADING, THE APPLICANT SHALL PROTECT STORM DRAIN INLETS FROM SEDIMENT-LADEN RUNOFF. STORM DRAIN INLET PROTECTION DEVICES INCLUDE SAND BAG BARRIERS, FILTER FABRIC FENCES, BLOCK AND GRAVEL FILTERS, AND BURLAP BAGS FILLED WITH DRAIN ROCK.

30. DURING GRADING, THE APPLICANT SHALL MAINTAIN A CHAIN LINK FENCE AROUND THE JOB SITE TO THE SATISFACTION OF THE ENGINEER. NO MATERIAL OR EQUIPMENT STORAGE IS PERMITTED IN THE PUBLIC RIGHT-OF-WAY. NO MATERIAL OR EQUIPMENT STORAGE IS PERMITTED ON-SITE WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.

31. AT LEAST ONE FLAG PERSON SHALL BE PRESENT FOR TRAFFIC CONTROL AT ALL TIMES DURING ACTIVITIES TO REMOVE MATERIALS AND SOIL FROM THE SITE, TO THE SATISFACTION OF THE ENGINEER.

LEGEND

——X——X——	FENCE
	CENTERLINE
	BOUNDARY LINE
	FIRE DEPARTMENT CONNECTION
JP	JOINT POLE
	LIGHT
	SANITARY SEWER CLEANOUT
	SIGN
	STREET LIGHT
	TREE AS NOTED
	WATER VALVE

ABBREVIATIONS

SYMBOL	DESCRIPTION
AC	ASPHALT CONCRETE
AD	AREA DRAIN
BS	BOTTOM OF STEP
CB	CATCH BASIN
CY	CUBIC YARD
DW	DOMESTIC WATER
(D)	DEMOLISH
DG	DECOMPOSED GRANITE
(E)	EXISTING
EG	EXISTING GRADE
EL	ELEVATION
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
FF	FINISHED FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FS	FINISHED SURFACE
FW	FIRE WATER
G	GAS
GB	GRADE BREAK
HP	HIGH POINT
LF	LINEAR FEET
LP	LOW POINT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
(N)	NEW
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OH	OVERHEAD
PGE	PACIFIC GAS & ELECTRIC
PT	POINT
PUE	PUBLIC UTILITY EASEMENT
RIM	RIM ELEVATION
SD	STORM DRAIN
SS	SANITARY SEWER
SAP	SEE ARCHITECTURAL PLANS
SLP	SEE LANDSCAPING PLANS
T	TELEPHONE
TS	TOP OF STEP
TW	TOP OF WALL
TYP.	TYPICAL

SHEET INDEX

C100 TITLE SHEET, NOTES, LEGEND, AND ABBREVIATIONS
C200 EXISTING CONDITIONS
C300 DEMOLITION PLAN
C400 HORIZONTAL CONTROL PLAN
C401 GRADING, DRAINAGE, AND UTILITY PLAN
C500 STORMWATER CONTROL PLAN
C600 EROSION CONTROL PLAN
C700 CONSTRUCTION DETAILS
C701 CONSTRUCTION DETAILS
C702 CONSTRUCTION DETAILS

PROJECT INFORMATION

OWNER/SUBDIVIDER: SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

ENGINEER: BKF ENGINEERS
255 SHORELINE DRIVE, SUITE 200
REDWOOD CITY, CA 94065
(650) 482-6300

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY
REVISION REMAIN ON SITE AT ALL TIMES
SEP 06 2016
San Mateo County Building Inspection

HGA
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

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MILL VALLEY CA 94941
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SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

COUNTY OF SAN MATEO FOUNDED 1856

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER BRIAN K. SCOTT No. 61034 Exp. 12/31/16 CIVIL STATE OF CALIFORNIA

NAME: BRIAN K. SCOTT
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: 61034

NO	DESCRIPTION	DATE
1	CO#1	08-26-16

1 ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

TITLE SHEET, NOTES, LEGEND, AND ABBREVIATIONS

DATE: February 5, 2016

CONSTRUCTION DOCUMENTS

C100

CONSTRUCTION DOCUMENTS BID SET

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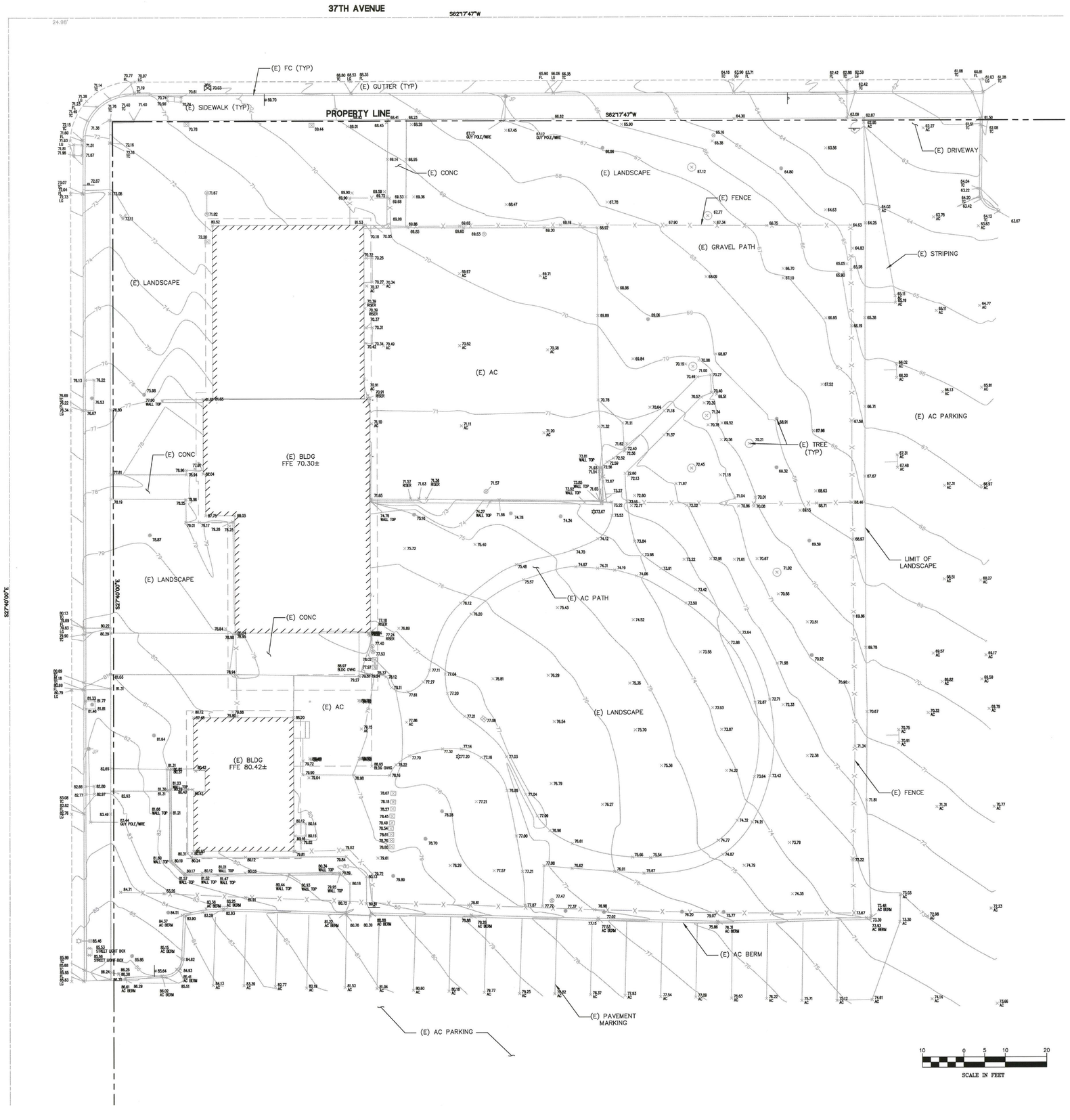
DRAWING NAME: K:\2015\15012_SMHC and Respite Center\ENG\SHEETS\C-C100_TITLE.dwg (C100)
PLOT TIME: 08-29-16 7:22am PLOTTED BY: pam



SURVEY NOTES

1. THE EXISTING TOPOGRAPHY SHOWN ON THESE PLANS IS BASED ON A SURVEY PERFORMED BY BKF ENGINEERS DATED 09/02/2015.
2. ALL BOUNDARY LINES ARE RECORD IN NATURE AND ARE BASED UPON THAT CERTAIN RECORD OF SURVEY MAP TITLED "RECORD OF SURVEY SAN MATEO COUNTY GENERAL HOSPITAL", FILED FOR RECORD ON AUGUST 31, 1994 IN BOOK 15 OF L.L.S. MAPS AT PAGE 97 IN THE OFFICE OF THE RECORDER OF SAN MATEO COUNTY.
3. THE BEARING NORTH 62°15'00" EAST, BETWEEN TWO FOUND MONUMENTS ON 39TH AVENUE AS SHOWN ON THAT CERTAIN RECORD OF SURVEY MAP FILED FOR RECORD ON AUGUST 31, 1994 IN BOOK 15 OF L.L.S. MAPS AT PAGE 97 IN THE OFFICE OF THE RECORDER OF SAN MATEO COUNTY ,WAS TAKEN AS THE BASIS OF BEARING.
4. CITY OF SAN MATEO BENCHMARK #050-006 WAS USED FOR THE BASIS OF ELEVATIONS. ELEVATION USED = 94.242 (CITY OF SAN MATEO DATUM).
5. ALL KNOWN EXISTING UNDERGROUND UTILITIES ARE SHOWN ON THE PLAN AS BEST AS CAN BE ESTABLISHED FROM AVAILABLE INFORMATION. THE CONTRACTOR SHALL PROCEED WITH DUE CAUTION DURING UNDERGROUND OPERATIONS AND SHALL REPAIR OR REPLACE ALL UTILITIES DAMAGED DURING CONSTRUCTION AT HIS/HER OWN EXPENSE.

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SAN MATEO COUNTY
DEPARTMENT OF
PUBLIC WORKS AND
HEALTH SYSTEM
BEHAVIORAL HEALTH
AND RECOVERY
SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF CALIFORNIA.

REGISTERED PROFESSIONAL ENGINEER BRIAN K. SCOTT No. 61834 Exp. 12/31/16 CIVIL STATE OF CALIFORNIA

NAME: BRIAN K SCOTT
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: 61834

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY
TO REMAIN ON
SITE AT ALL TIMES

REVISION
SEP 06 2016
San Mateo County
Building Inspection

NO	DESCRIPTION	DATE
1	CO#1	08-26-16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

EXISTING CONDITIONS

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

C200

CONSTRUCTION DOCUMENTS BID SET

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DRAWING NAME: K:\2015\1501.32_SMC and Reginte Center\ENV\SHEET\PC-C200_EXC.dwg (C200)
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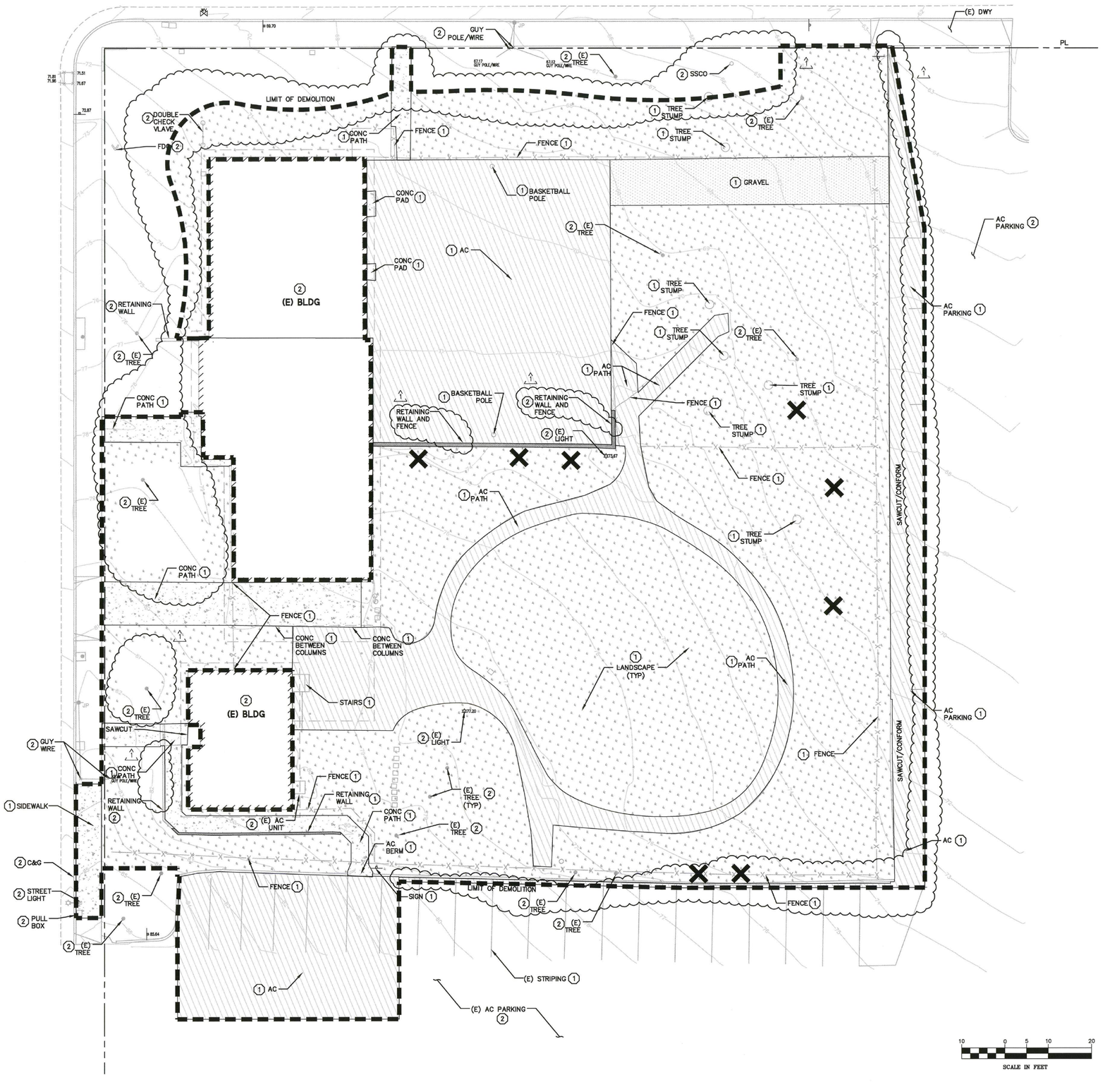

DEMOLITION NOTES

1. THIS PLAN SHOWS GENERAL LIMITS OF DEMOLITION AND DOES NOT RELIEVE THE CONTRACTOR FROM OTHER DEMOLITION WORK NECESSARY TO INSTALL NEW UTILITIES, SITE WORK, PAVING, ETC.
2. COORDINATE TREE REMOVAL/SALVAGE WITH LANDSCAPE DRAWINGS.
3. COORDINATE GAS LINE AND ELECTRIC LINE REMOVAL WITH PG&E AND MEP DRAWINGS.
4. REMOVE LANDSCAPING, CURB AND GUTTER, CONCRETE PAVING, AC PAVING, GRAVEL, AND FENCES WITHIN LIMITS OF DEMOLITION UNLESS OTHERWISE NOTED. EXISTING UTILITIES TO REMAIN UNLESS OTHERWISE NOTED. SEE ARCHITECTURAL DRAWINGS FOR BUILDING DEMOLITION.
5. REFER TO SHEET C400 FOR LIMITS OF PROPOSED PAVING.
6. ACCURATE VERIFICATION AS TO SIZE, LOCATION, AND DEPTH OF EXISTING UNDERGROUND FACILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES ARE SHOWN IN THEIR APPROXIMATE POSITIONS BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. ANY ADDED COST TO THE CONTRACTOR AS A RESULT OF THE ACTUAL LOCATIONS OF EXISTING UNDERGROUND FACILITIES BEING DIFFERENT FROM THAT SHOWN ON THE PLANS SHALL BE BORNE BY THE CONTRACTOR AND CONSIDERED INCLUDED IN THE CONTRACTOR PRICE.
7. SEE LANDSCAPE PLANS FOR IRRIGATION REMOVAL.

DEMOLITION LEGEND

EXISTING FEATURE TO BE REMOVED	1
EXISTING FEATURE TO REMAIN AND BE PROTECTED	2
APPROXIMATE LIMIT OF DEMOLITION	
EXISTING TREE TO BE REMOVED	
EXISTING WALL TO REMAIN	
EXISTING ASPHALT TO BE REMOVED	
EXISTING CONCRETE TO BE REMOVED	
EXISTING LANDSCAPING TO BE REMOVED	
EXISTING GRAVEL TO BE REMOVED	

10 0 5 10 20
SCALE IN FEET

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SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

COUNTY OF SAN MATEO FOUNDED 1856

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF CALIFORNIA.

REGISTERED PROFESSIONAL ENGINEER BRIAN K. SCOTT No. 61634 Exp. 12/31/16 CIVIL STATE OF CALIFORNIA

NAME: BRIAN K. SCOTT
DATE: AUGUST 25, 2016
REGISTRATION NUMBER: 61634

APPROVED PLAN
SEP 30 2016
SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY TO REMAIN ON SITE AT ALL TIMES

REVISION
SEP 06 2016
San Mateo County Building Inspection

NO	DESCRIPTION	DATE
1	CO#1	08-26-16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

DEMOLITION PLAN

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

C300

CONSTRUCTION DOCUMENTS BID SET

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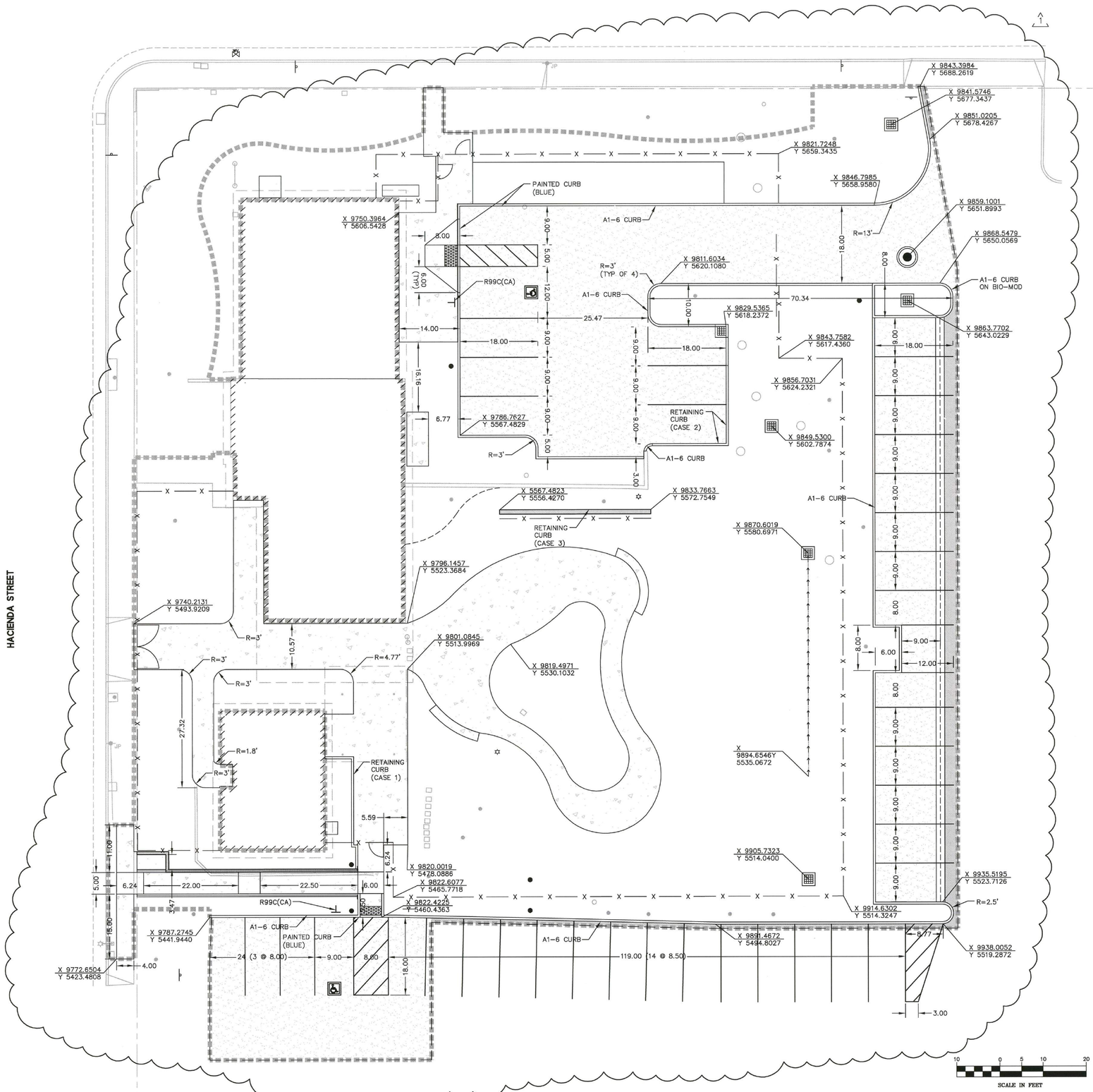
DRAWING NAME: K:\2015\150132_SM#C ond Respite Cent=\ENG\SHEET\RC-C300_DEMO.dwg (C300)
PLOT TIME: 08-29-16 7:23am PLOTTED BY: poon

37TH AVENUE

HACIENDA STREET

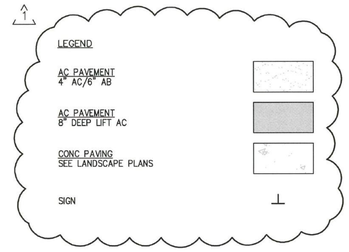


10 0 5 10 20

SCALE IN FEET

NOTE:

1. SEE LANDSCAPE PLANS FOR ADDITIONAL DIMENSIONS NOT SHOWN.
2. INSTALL SIGNING, STRIPING, AND PAINT CURB AS SHOWN ON PLAN.
3. FENCE AS SHOWN REPRESENT EXTERIOR FACE OF FENCE.



DRAWING NAME: K:\2015\150132_SMHC and Respite Center\END\SHEET\RC-C400_SITE.dwg (C400)
PLOT TIME: 08-26-16 7:23am PLOTTED BY: poon

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170 Maiden Lane,5th Floor
San Francisco, California 94108
Telephone 415.814.6910

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SACRAMENTO, CA 95811
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INTERFACE ENGINEERING, INC.
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650.482.6300

LANDSCAPE ARCHITECT
RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

COUNTY OF SAN MATEO FOUNDED 1856

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REGISTERED PROFESSIONAL ENGINEER BRIAN K. SCOTT No. 81034 Exp. 12/31/16 CIVIL STATE OF CALIFORNIA

NAME: BRIAN K. SCOTT
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: 81034

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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REVISION
SEP 06 2016
San Mateo County Building Inspection

NO	DESCRIPTION	DATE
1	CC#1	08-26-16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

HORIZONTAL CONTROL PLAN

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

C400

CONSTRUCTION DOCUMENTS BID SET

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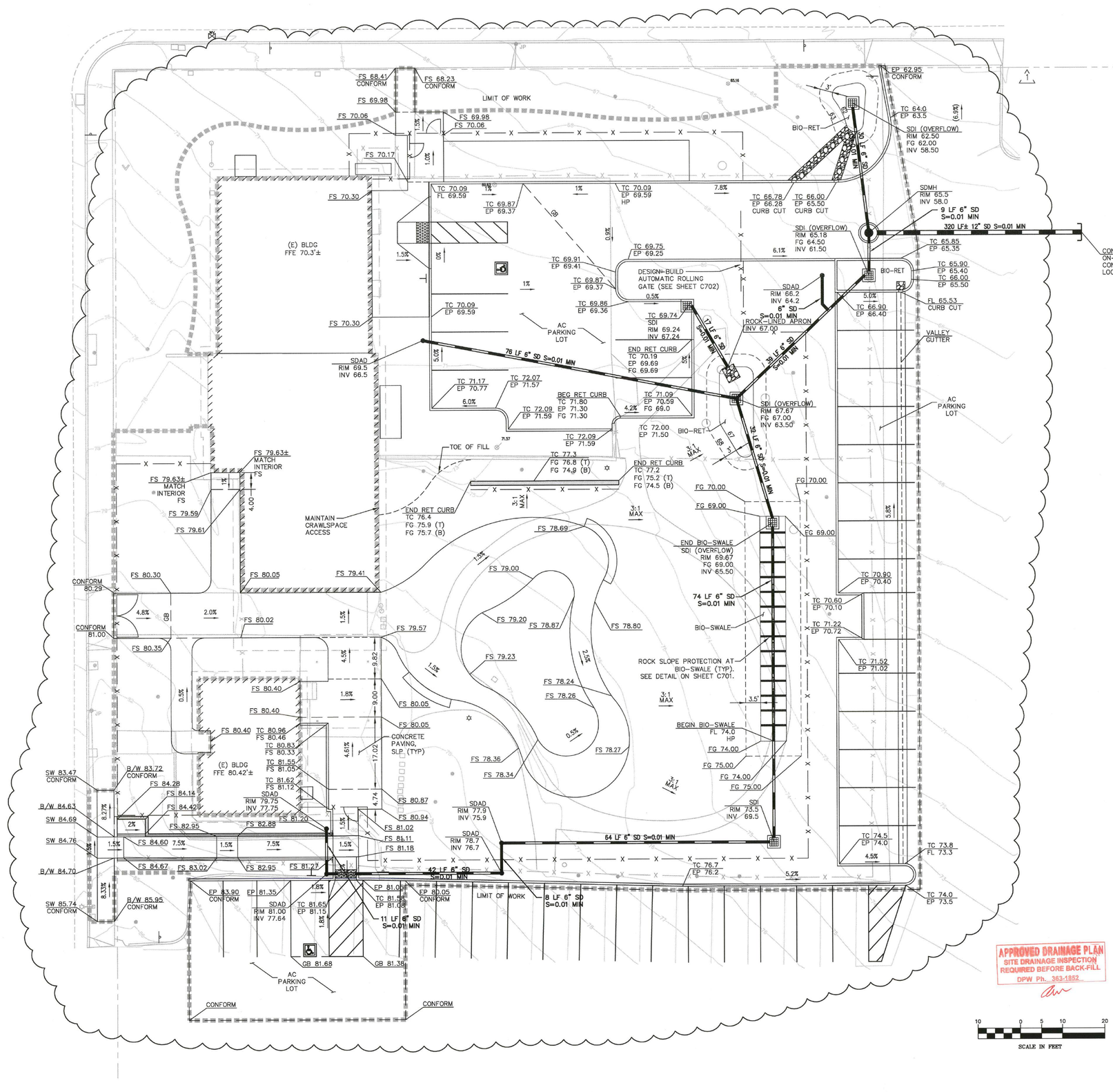
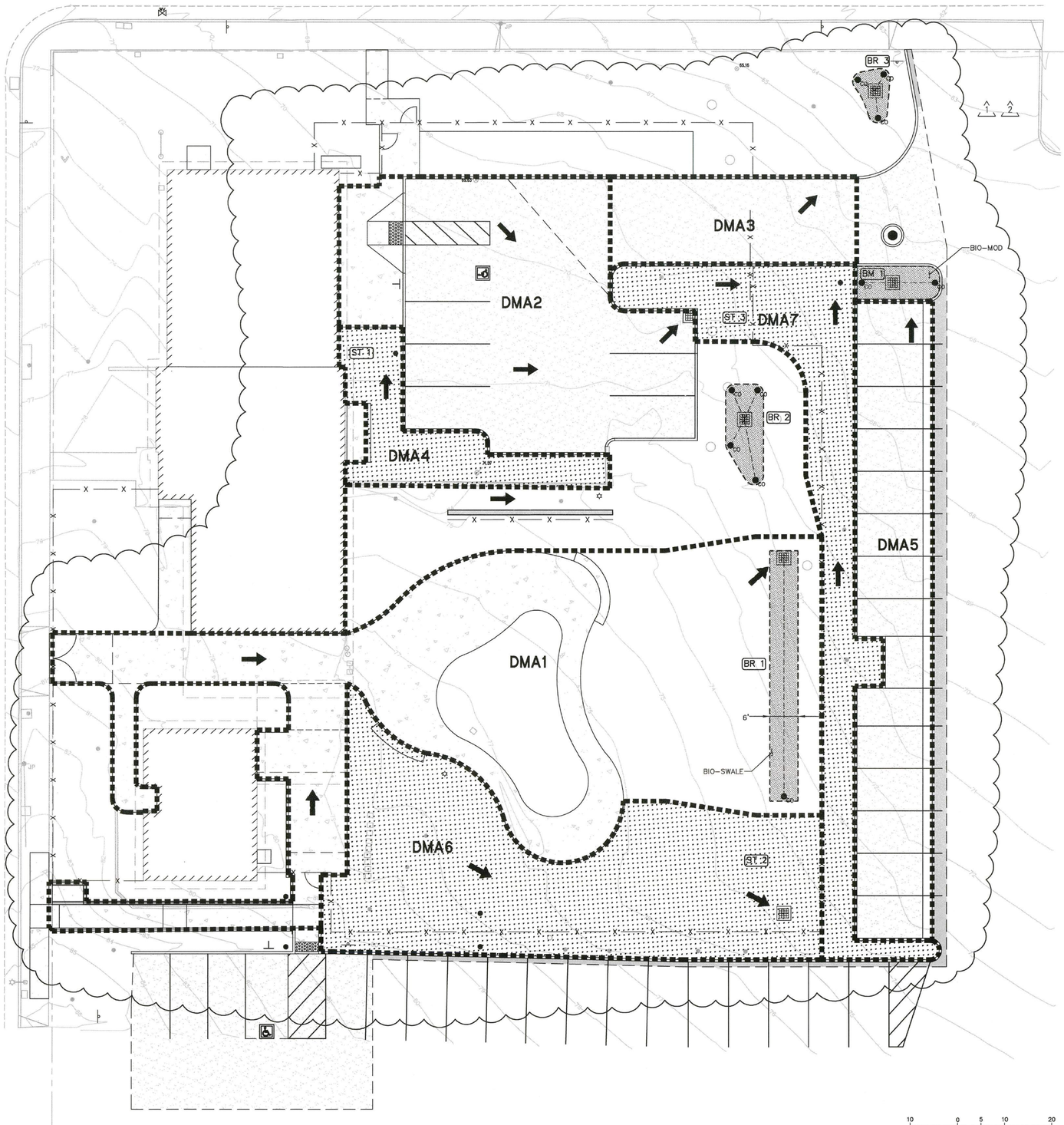
37TH AVENUE

HACIENDA STREET


LIMIT OF WORK
(E) BLDG
FFE 70.3'±
(E) BLDG
FFE 80.42'±
DESIGN-BUILD
AUTOMATIC ROLLING
GATE (SEE SHEET C702)
AC
PARKING
LOT
AC
PARKING
LOT
AC
PARKING
LOT
MAINTAIN
CRAWLSPACE
ACCESS
CONCRETE
PAVING,
SLP. (TYP)
ROCK SLOPE PROTECTION AT
BIO-SWALE (TYP).
SEE DETAIL ON SHEET C701.
BIO-RET
BIO-SWALE
TOE OF FILL
CONNECT TO EXISTING
ON-SITE SDI
CONTRACTOR TO
LOCATE
9 LF 6" SD
S=0.01 MIN
320 LF± 12" SD S=0.01 MIN
78 LF 6" SD S=0.01 MIN
74 LF 6" SD
S=0.01 MIN
64 LF 6" SD S=0.01 MIN
42 LF 6" SD
S=0.01 MIN
11 LF 6" SD
S=0.01 MIN
8 LF 6" SD
S=0.01 MIN
6" SD
S=0.01 MIN
ROCK-LINED APRON
SDI (OVERFLOW)
RIM 62.50
FG 62.00
INV 58.50
SDMH
RIM 65.5
INV 58.0
SDI (OVERFLOW)
RIM 65.18
FG 64.50
INV 61.50
SDAD
RIM 66.2
INV 64.2
SDI (OVERFLOW)
RIM 67.67
FG 67.00
INV 63.50
SDI (OVERFLOW)
RIM 67.50
FG 69.00
INV 65.50
SDI
RIM 73.5
INV 69.5
SDAD
RIM 69.5
INV 66.5
SDAD
RIM 79.75
INV 77.75
SDAD
RIM 77.9
INV 75.9
SDAD
RIM 78.7
INV 76.7
SDAD
RIM 81.00
INV 77.64
VALLEY
GUTTER
FL 65.53
CURB CUT
END RET CURB
END BIO-SWALE
BEG RET CURB
BEGIN BIO-SWALE
FL 74.0
HP
CONFORM
CONFORM
CONFORM

37TH AVENUE

HACIENDA STREET



STORM WATER CONTROL NOTES

1. REFER TO C401 FOR ADDITIONAL INFORMATION REGARDING GRADING, DRAINAGE, AND UTILITY ROUTING.
2. REFER TO C700 FOR BIO–RETENTION DETAILS SHOWN ON THIS SHEET

STORM WATER CONTROL LEGEND

WATERSHED BOUNDARY

BMP STRUCTURE BOUNDARY

6" SUBDRAIN (PERFORATED PVC) WITH CLEANOUT

PROPOSED FLOW ARROW

SUBDRAIN CLEANOUT

BIO–RETENTION AREA — BR #

SELF–TREATING AREA — ST #

BIO–MODULAR AREA — BM #

BMP LOCATION

SELF–TREATING AREA

BMP TABLE

DMA	DMA AREA (SF)	IMPERVOUS AREA (SF)	PERVOUS AREA (SF)	BMP	BMP AREA (SF)	%
DMA1	6,952	4,278	2,674	BR 1	318	7.43
DMA2	5,827	3,405	2,422	BR 2	148	4.35
DMA3	968	968	0	BR 3	63	6.51
DMA4	752	0	752	ST 1	–	–
DMA5	2,175	2,175	0	BM 1	119	5.47
DMA6	3,453	0	3,453	ST 2	–	–
DMA7	1,920	0	1,920	ST 3	–	–
TOTAL		10,826			648	

ABBREVIATIONS

SYMBOL	DESCRIPTION
BIO–MOD	BIO–MODULAR STRUCTURE
BM	BIO–MODULAR AREA
BMP	BEST MANAGEMENT PRACTICE
BR	BIO–RETENTION AREA
DMA	DRAINAGE MANAGEMENT AREA
ST	SELF–TREATING AREA

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PROFESSIONAL ENGINEER — BRIAN K. SCOTT — No. 61034 — Exp. 12/31/16 — CIVIL — STATE OF CALIFORNIA

9-27-16

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

NAME: BRIAN K. SCOTT
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: 61034

NO	DESCRIPTION	DATE
1	CO#1	08–26–16
2	PC Response	09–26–16

ISSUANCE HISTORY - THIS SHEET

JOB COPY TO REMAIN ON SITE AT ALL TIMES

RESUBMITTAL
SEP 27 2016
San Mateo County Building Inspection

HGA NO: 3505-003-01

STORMWATER CONTROL PLAN

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

C500

CONSTRUCTION DOCUMENTS BID SET

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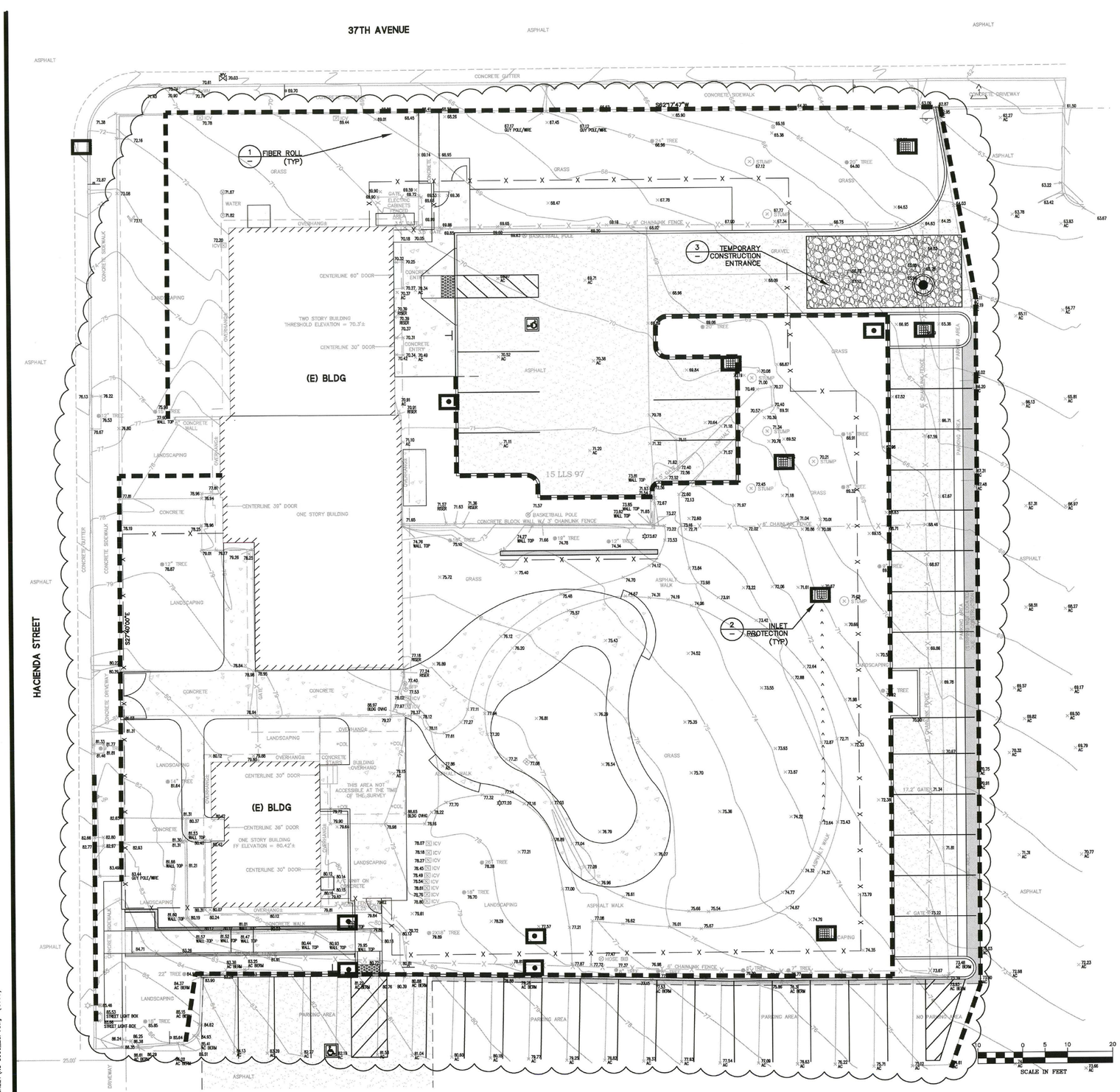
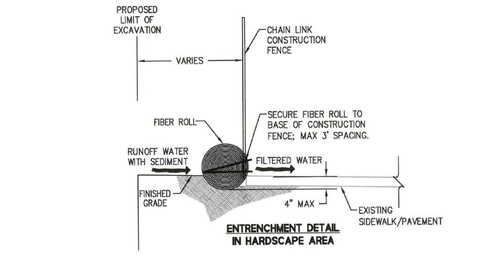
DRAWING NAME: K:\2015\150132_SMHC and Respite Center\ENG\SHEET\RC-C500_SWCP.dwg (C500)
PLOT TIME: 09-26-16 12:52pm PLOTTED BY: poon

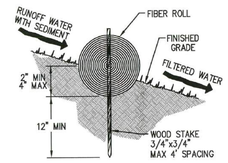


EROSION CONTROL NOTES

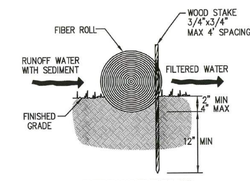
1. THIS SHEET IS INTENDED TO BE USED FOR EROSION CONTROL ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING THE MEASURES INCLUDED ON THIS PLAN AS WELL AS THE SWPPP AT ALL TIMES YEAR-ROUND. IF THESE CONDITIONS ARE NOT MET, THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL.
2. ALTHOUGH SPECIFIC LOCATIONS FOR SEDIMENT CONTROL FACILITIES ARE NOT SHOWN ON THESE PLANS, IT IS INTENDED THIS EROSION CONTROL PLAN BE MODIFIED WHEN NECESSARY TO MEET FIELD CONDITIONS. BASIN AND TRAP SIZES AND ELEVATIONS MAY BE ADJUSTED AS LONG AS THE MINIMUM AREAS AND DEPTHS FOR SEDIMENT SETTLING AND STORAGE ARE NOT REDUCED.
3. THE INTENT OF THESE DETAILS IS TO PROVIDE THE INITIAL CONCEPT FOR INTERIM EROSION CONTROL. THE CONTRACTOR SHALL UPDATE THE PLANS TO REFLECT CHANGING SITE CONDITIONS. PLAN UPDATES SHALL BE BASED UPON GENERAL SURVEY DATA. EROSION CONTROL EFFECTIVENESS SHALL ALSO BE MONITORED AND THE PLANS UPGRADED AS REQUIRED TO PREVENT SIGNIFICANT QUANTITIES OF SEDIMENT FROM ENTERING THE DOWNSTREAM DRAINAGE SYSTEM.
4. THESE DETAILS MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. IN GENERAL, THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE STORM RUN OFF FROM LEAVING THE SITE. FIBER ROLLS, SAND BAGS, AND SILT FENCES SHALL BE USED BY THE CONTRACTOR ON AN AS NEEDED BASIS TO INHIBIT SILT FROM LEAVING THE SITE AND ENTERING THE STORM DRAIN SYSTEM. ALL EXISTING, TEMPORARY, OR PERMANENT CATCH BASINS SHALL USE ONE OF THE SEDIMENT BARRIERS SHOWN.
5. THE CONTRACTOR WILL BE LIABLE FOR ANY AND ALL DAMAGES TO PUBLIC AND/OR PRIVATE OWNED AND MAINTAINED ROAD CAUSED BY THE CONTRACTOR'S GRADING ACTIVITIES, AND WILL BE RESPONSIBLE FOR THE CLEANUP OF ANY MATERIAL SPILLED ON ANY PUBLIC ROAD ON THE HAUL ROUTE. ADJACENT PUBLIC ROADS SHALL BE CLEANED AT THE END OF EACH WORKING DAY.
6. ALL PAVED AREAS ARE TO BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE IS TO BE MAINTAINED SO AS TO MINIMIZE SEDIMENT-LADEN RUNOFF TO ANY STORM DRAIN SYSTEM.
7. ALL EROSION CONTROL FACILITIES MUST BE INSPECTED AND REPAIRED DAILY. ALL SLOPES SHALL BE REPAIRED AS SOON AS POSSIBLE WHEN DAMAGED.
8. BORROW AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES (TARPS, FIBER ROLLS, SILT FENCES ETC.) OR COVERED WITH VISQUEEN TO ENSURE SILT DOES NOT LEAVE THE SITE OR ENTER THE STORM DRAIN SYSTEM.
9. ALL TRUCK TIRES SHALL BE CLEANED PRIOR TO EXITING THE PROPERTY.
10. DURING PERIODS WHEN STORMS ARE FORECAST –
    A. EXCAVATED SOILS SHOULD NOT BE PLACED IN STREETS OR ON PAVED AREAS.
    B. ANY EXCAVATED SOILS SHOULD BE REMOVED FROM THE SITE BY THE END OF THE DAY.
    C. WHERE STOCKPILING IS NECESSARY, USE A TARPAULIN OR SURROUND THE STOCKPILED MATERIAL WITH STRAW BALES, SILT FENCE, OR OTHER RUNOFF CONTROLS.
    D. USE INLET CONTROLS (E.G. FILTER MAT) FOR STORM DRAINS ADJACENT TO THE STOCKPILED SOIL.
    E. THOROUGHLY SWEEP ALL PAVED AREAS EXPOSED TO SOIL EXCAVATION AND PLACEMENT.
11. AREAS OF CONSTRUCTION ACTIVITY THAT HAVE BEEN DISTURBED AND ARE NOT SCHEDULED TO BE RE-DISTURBED FOR AT LEAST 14 DAYS SHALL BE PROTECTED WITH TEMPORARY BMP MEASURES.
12. IF NO WORK HAS PROGRESSED FOR A PERIOD OF 6 WEEKS, FINAL DRAINAGE AND EROSION CONTROL IMPROVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH AN APPROVED WINTERIZATION PLAN.
13. EROSION CONTROL IMPROVEMENTS SHALL BE INSPECTED AFTER EACH STORM AND REPAIRED AND/OR UPGRADED AS REQUIRED BY THE SAN MATEO COUNTY INSPECTORS. SEDIMENT AND DEBRIS SHALL BE REMOVED FROM TEMPORARY BASINS AND DRAIN INLETS AFTER EACH STORM.
14. HAUL ROADS ARE CURRENTLY NOT SHOWN ON THE PLANS. EROSION CONTROL MEASURES SHALL BE TAKEN TO MINIMIZE EROSION RELATED TO HAUL ROADS.
15. DISPOSAL AREAS FOR SEDIMENT TO BE DETERMINED IN FIELD. WHEN MATERIAL IS STOCKPILED, IT SHALL BE SURROUNDED BY A SILT FENCE/FIBER ROLLS AND COVERED WHEN NECESSARY..
16. TEMPORARY AND PERMANENT SLOPES GREATER THAN 3 FEET SHALL BE SEEDED UNLESS ALTERNATIVE MEASURES ARE USED.
17. THE NAME, ADDRESS, AND 24 HOUR TELEPHONE NUMBER OF THE PERSON RESPONSIBLE FOR IMPLEMENTATION OF EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE PROVIDED TO THE COUNTY.
18. SHOULD IT APPEAR THAT THE EROSION CONTROL PLAN, OR ANY OTHER MATTER THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.



ENTRENCHMENT DETAIL IN HARDSCAPE AREA



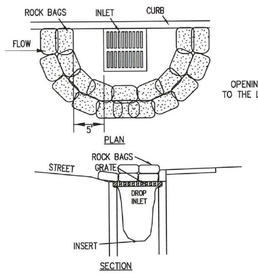
ENTRENCHMENT DETAIL IN SLOPE AREA



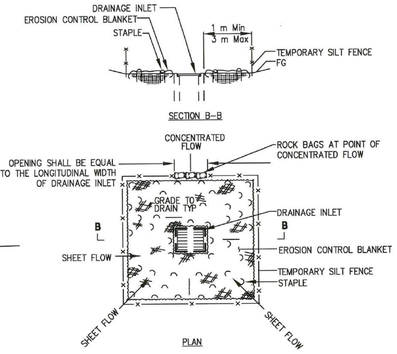
ENTRENCHMENT DETAIL IN FLAT AREA

NOTES:
1. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3" TO 4" DEEP, DUG ON CONTOUR.
2. ADJACENT ROLLS SHALL TIGHTLY ABUT.
3. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND FIBER ROLL.

1 **FIBER ROLL DETAIL**
N.T.S.

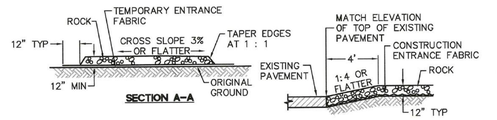


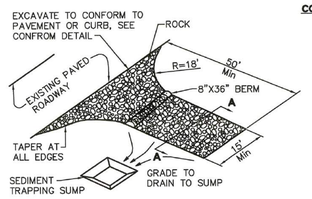
FOR PAVED AREAS



FOR LANDSCAPED AREAS

2 **DROP INLET PROTECTION**
NTS





3 **TEMPORARY CONSTRUCTION ENTRANCE**
N.T.S.

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

REVISION
SEP 06 2016
San Mateo County Building Inspection

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170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

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NAME: BRIAN K. SCOTT
DATE: AUGUST 29, 2016
REGISTRATION NUMBER: 61034

NO.	DESCRIPTION	DATE
1	CO#1	08-26-16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

EROSION CONTROL PLAN

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

C600

CONSTRUCTION DOCUMENTS BID SET

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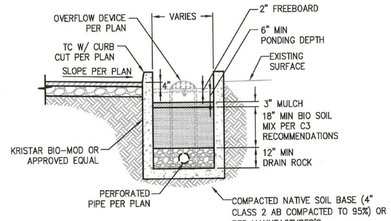
DRAWING NAME: K:\2015\150132_SMHC and Respite Center\ENG\SHEET\RC-C600_EGP.dwg (C600)
PLOT TIME: 08-29-16 7:23am PLOTTED BY: poon



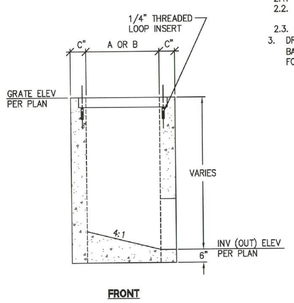
1 — **TYPICAL BIO-MODULAR STRUCTURE SECTION**

N.T.S.

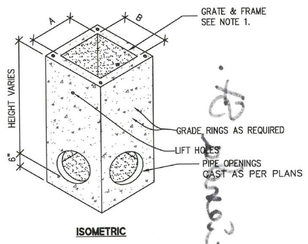
TYPE	A	B	C	MODEL
1	12"	12"	5"	CP1212
2	18"	18"	5"	CP1818
3	24"	24"	5"	CP2424

NOTES

1. REFER TO CENTRAL PRE-CAST PRODUCTS OR APPROVED EQUAL. GRATES SHALL BE BICYCLE/PEDESTRIAN PROOF.
2. DROP INLETS SHALL BE:
   2.1. RATED FOR H20 LOADING,
   2.2. HAVE A STANDARD HEAVY DUTY ADA COMPLIANT FRAME AND GRATE AND,
   2.3. SHALL BE PROVIDED WITH A LOCKING DEVICE.
3. DROP INLETS SHALL BE STENCILED "NO DUMPING, FLOWS TO BAY", CONTACT COUNTY OF SAN MATEO (650) 363-4100 FOR STENCIL INFORMATION.



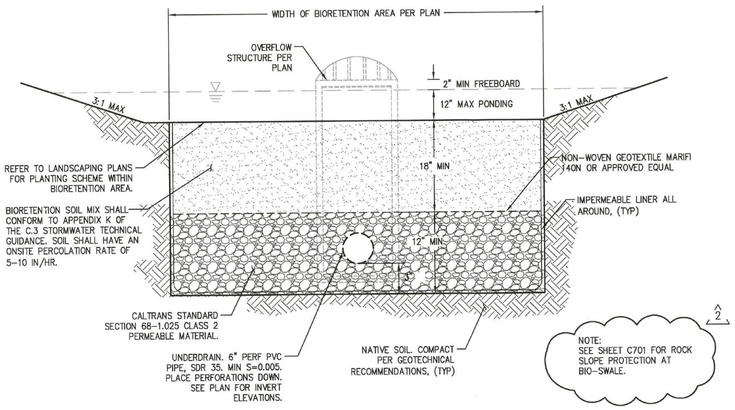
FRONT



ISOMETRIC

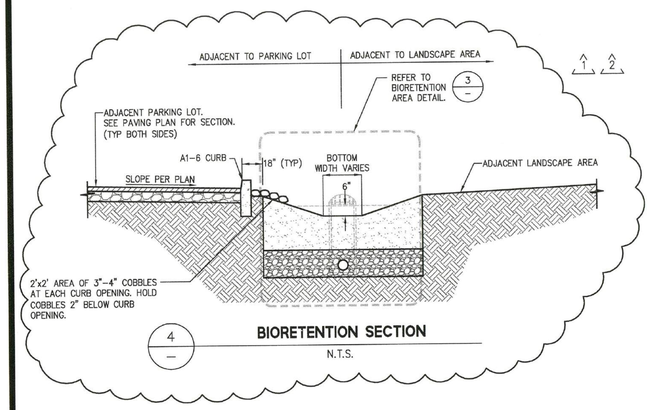
2 — **STORM DRAIN CATCH BASIN**

N.T.S.



3 — **BIORETENTION AREA IN LANDSCAPE**

N.T.S.

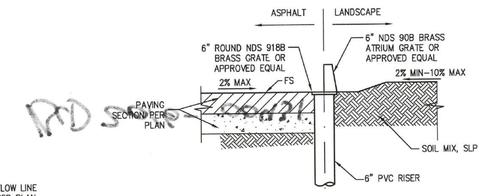


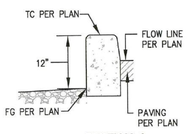
4 — **BIORETENTION SECTION**

N.T.S.

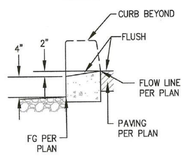
NOTE

1. DROP INLETS SHALL BE STENCILED "NO DUMPING, FLOWS TO BAY", CONTACT COUNTY OF SAN MATEO (650) 363-4100 FOR STENCIL INFORMATION.





SECTION A



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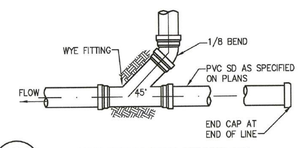
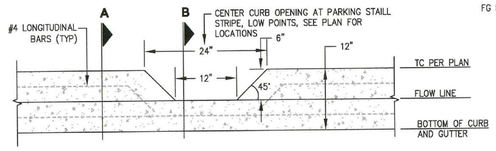


6 — **AREA DRAIN (NON-VEHICULAR)**

NTS



FRONT VIEW

5 — **CURB CUT**

N.T.S.

LONGITUDINAL CONFORM

TRANSVERSE CONFORM

7 — **SAWCUT/AC CONFORM DETAILS**

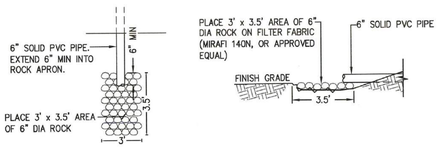
N.T.S.

8 — **CLEANOUT**

NTS

9 — **RETAINING CURB**

N.T.S.



10 — **ROCK-LINED APRON**

N.T.S.

APPROVED DRAINAGE PLAN
SITE DRAINAGE INSPECTION REQUIRED BEFORE BACK-FILL
DPW Ph. 363-1852

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY TO REMAIN ON SITE AT ALL TIMES

RESUBMITTAL
SEP 27 2016
San Mateo County Building Inspection

hga.
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER
HGA
1200 R STREET, SUITE 100
SACRAMENTO, CA 95811
916.787.5100

MECHANICAL/ELECTRICAL/ PLUMBING ENGINEER
INTERFACE ENGINEERING, INC.
135 MAIN STREET, SUITE 400
SAN FRANCISCO, CA 94105
415.489.3213

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BKF
255 SHORELINE DRIVE #200
REDWOOD CITY, CA 94065
650.482.6300

LANDSCAPE ARCHITECT
RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF CALIFORNIA.

PROFESSIONAL ENGINEER BRIAN K. SCOTT No. 61034 Exp. 12/31/2016 CIVIL STATE OF CALIFORNIA

9-27-16

NAME: BRIAN K. SCOTT
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: 61034

NO	DESCRIPTION	DATE
1	CO#1	08-26-16
2	PC Response	09-26-16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

CONSTRUCTION DETAILS

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

C700

CONSTRUCTION DOCUMENTS BID SET

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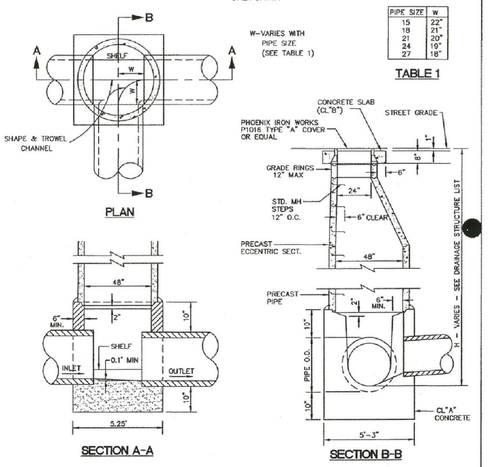
DRAWING NAME: K:\2015\150132_SMHC and Respite Center\ENG\SHEET\RC-C700_DETAILS.dwg (C700)
PLOT TIME: 09-26-16 12:52pm PLOTTED BY: poon

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: B.M.A.
CHECK BY: R.L.F.
APPROVED BY: N.R.C.

SCALE: NONE
DATE: 6/95
REVISED: 7/97



PIPE SIZE	W
15	22"
18	21"
21	20"
24	19"
27	18"

W-VARIES WITH PIPE SIZE (SEE TABLE 1)

TABLE 1

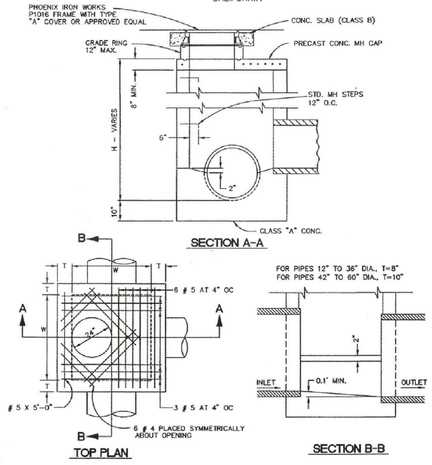
STANDARD STORM DRAIN MANHOLE
NO SCALE

B-10

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: A.G.M.
CHECK BY: R.L.F.
APPROVED BY: N.R.C.

SCALE: NONE
DATE: 6/95
REVISED:



STANDARD STORM DRAIN MANHOLE
SHALLOW COVER

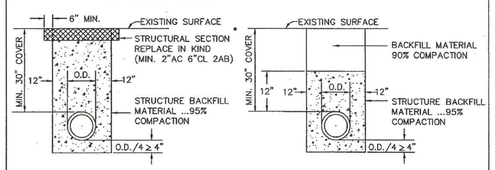
B-11

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: A.G.M.
CHECK BY: R.L.F.
APPROVED BY: N.R.C.

SCALE: NONE
DATE: 6/95
REVISED: 7/97

O.D.= OUTSIDE DIAMETER



TYPE A (IN ROADWAY) | TYPE B (OUTSIDE ROADWAY)

THERE SHALL BE A MINIMUM OF TWO AND ONE-HALF FEET (30 INCHES) OF COVER OVER ALL PIPES AND CONDUITS UNLESS OTHERWISE DIRECTED BY COUNTY ROAD INSPECTOR.

STRUCTURE BACKFILL MATERIAL...MATERIAL WITH SAND EQUIVALENT NOT LESS THAN 20 AND SIEVE GRADATION BY WEIGHT AS FOLLOWS:

SIEVE SIZE	% PASSING SIEVES
3"	100
NO.4	35-100
NO.30	20-100

BACKFILL MATERIAL...MATERIAL FROM EXCAVATION, FREE FROM STONES OR LUMPS EXCEEDING 3 INCHES IN GREATEST DIMENSION, VEGETABLE MATTER, OR OTHER UNSATISFACTORY MATERIAL.

*IN AREAS OF CEMENT TREATED BASES, THE REPLACEMENT MATERIAL SHALL CONSIST OF A MINIMUM OF 3" OF ASPHALT CONCRETE (TYPE B) OVER A MINIMUM OF 8" OF PORTLAND CEMENT CONCRETE (CLASS B).

FOR TRENCH BACKFILL REQUIREMENTS FOR SANITARY SEWER PIPE, SEE STANDARD DRAWINGS C6 AND C7.

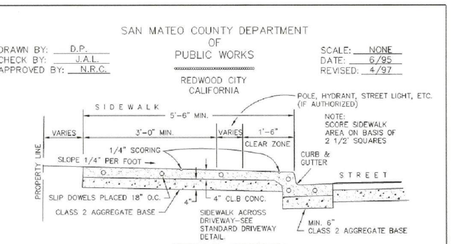
STANDARD TRENCH BACKFILL AND BEDDING DETAIL STORM DRAIN PIPES

B-15

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

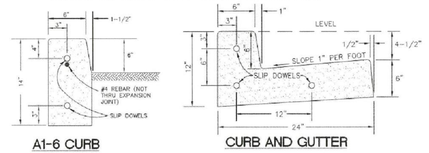
DRAWN BY: D.P.
CHECK BY: J.A.L.
APPROVED BY: N.R.C.

SCALE: NONE
DATE: 6/95
REVISED: 4/97



TYPICAL SECTION URBAN CURB, GUTTER AND SIDEWALK

NOTE: OBSTRUCTIONS SUCH AS POLES, HYDRANTS, STREET SIGNS, UTILITY BOXES, STREET LIGHTS, ETC. SHALL BE LOCATED BEHIND THE SIDEWALK, UNLESS OTHERWISE SPECIFICALLY AUTHORIZED BY THE DIRECTOR OF PUBLIC WORKS. A CLEAR ZONE ALONG THE CURB AND SIDEWALK 18 INCHES IN WIDTH (MEASURED FROM THE FACE OF THE CURB) SHALL BE KEPT CLEAR AND OPEN FROM ALL OBSTRUCTIONS. IN ADDITION, AN AREA 3 FEET IN WIDTH ALONG THE SIDEWALK, EXCLUSIVE OF THE CURB WIDTH, SHALL BE KEPT CLEAR AND OPEN FROM ALL OBSTRUCTIONS IN COMPLIANCE WITH THE STATE BUILDING CODE (PART 2, TITLE 24, C.A.C.).



TYPICAL SECTIONS

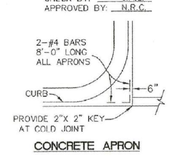
NOTES:
1. ALL CONCRETE TO BE CLASS B CONCRETE.
2. MINIMUM SIDEWALK THICKNESS = 4 INCHES P.C.C.
3. PLACE 1/2" DIAMETER X 18" LONG DOWELS AT EXPANSION JOINTS AS SHOWN.
4. PLACE 1/2" THICK EXPANSION JOINTS FULL WIDTH 20' ON CENTER.
5. CONSTRUCT MONOLITHIC CURB, GUTTER AND SIDEWALK UNLESS OTHERWISE SPECIFICALLY AUTHORIZED BY THE DIRECTOR OF PUBLIC WORKS.
6. SUB-BASE MATERIALS WITHIN 30" OF SUBGRADE SHALL BE COMPACTED TO 95%.

D-3

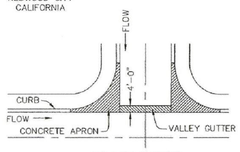
SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: D.P.
CHECK BY: J.A.L.
APPROVED BY: N.R.C.

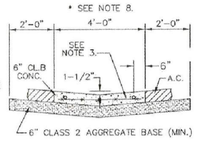
SCALE: NONE
DATE: 7/97
REVISED:



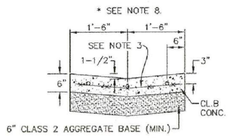
CONCRETE APRON



VALLEY GUTTER INTERSECTION PLAN



CONCRETE VALLEY GUTTER AT STREET INTERSECTION



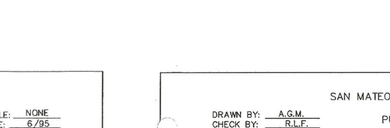
CONCRETE VALLEY GUTTER AT NON-STREET INTERSECTION LOCATIONS

NOTES:
1. OMIT GUTTER AROUND RETURN. SLOPE ALL PARTS OF APRON FROM CURB TO NEAREST FLOW LINE WITHIN LIMITS OF VALLEY GUTTER.
2. APRON TO BE 6" MIN. THICK CL.B P.C.C. OVER MIN. 6" COMPACTED CL.2 AGG. BASE.
3. REINFORCEMENT SHALL CONSIST OF 6"X 6"-#10/#10 WELDED WIRE FABRIC.
4. APRONS SHALL BE POURED MONOLITHIC WITH ADJACENT CURB AND GUTTER.
5. CONCRETE VALLEY GUTTER AND APRONS SHALL BE INSTALLED PRIOR TO PAVING.
6. PLACE 1/2" DIAMETER X 18" LONG DOWELS, AT EXPANSION JOINTS, AS SHOWN.
7. PLACE 1/4" THICK EXPANSION JOINTS FULL WIDTH 20' ON CENTER. DEEP SCORE AT 10' INTERVALS BETWEEN EXPANSION JOINTS.
8. WIDTH OF VALLEY GUTTER SHALL BE AS DETERMINED BY DPW.

VALLEY GUTTER DETAILS

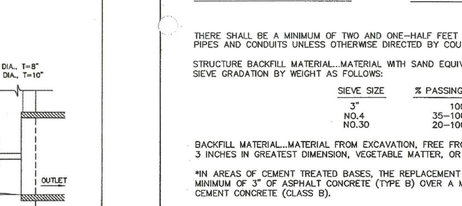
D-5

NOTES:
1. WIDTH OF GRAVEL BERM SHALL BE THE LENGTH REQUIRED TO ACHIEVE A MINIMUM HEIGHT OF 4 INCHES FROM THE BOTTOM OF THE LINEAR BIORETENTION AREA.
2. DIMENSIONS MAY VARY TO FIT ACTUAL FIELD CONDITIONS.
3. SMALL-ROCK SLOPE PROTECTION SHALL BE 7-INCH-THICK LAYER. SEE CALTRANS STANDARD SPECIFICATIONS FOR ADDITIONAL INFORMATION.
4. SMALL-ROCK SLOPE PROTECTION SHALL BE KEYED IN A MINIMUM OF 3 INCHES BELOW THE LINEAR BIORETENTION AREA SURFACE.
5. THE TOP OF DOWNSTREAM ROCK BERM SHALL MATCH THE FLOW LINE ELEVATION AT THE UPSTREAM ROCK BERM IN ORDER TO DETERMINE SPACING BETWEEN EACH ROCK BERM. SEE DETAIL 1.



TYPICAL PROFILE

DETAIL 1



ROCK SLOPE PROTECTION (GRANULAR MATERIAL) AT BIO-SWALE

N.T.S.

HGA
1200 R STREET, SUITE 100
SACRAMENTO, CA 95811
916.787.5100

MECHANICAL/ELECTRICAL/ PLUMBING ENGINEER

INTERFACE ENGINEERING, INC.
135 MAIN STREET, SUITE 400
SAN FRANCISCO, CA 94105
415.489.3213

CIVIL ENGINEER

BKF
255 SHORELINE DRIVE #200
REDWOOD CITY, CA 94065
650.482.6300

LANDSCAPE ARCHITECT

RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF CALIFORNIA

NAME: BRIAN K. SCOTT
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: 61034

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

NO	DESCRIPTION	DATE
1	CO#1	08-26-16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

CONSTRUCTION DETAILS

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

C701

CONSTRUCTION DOCUMENTS BID SET

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REVISION
SEP 06 2016
San Mateo County Building Inspection

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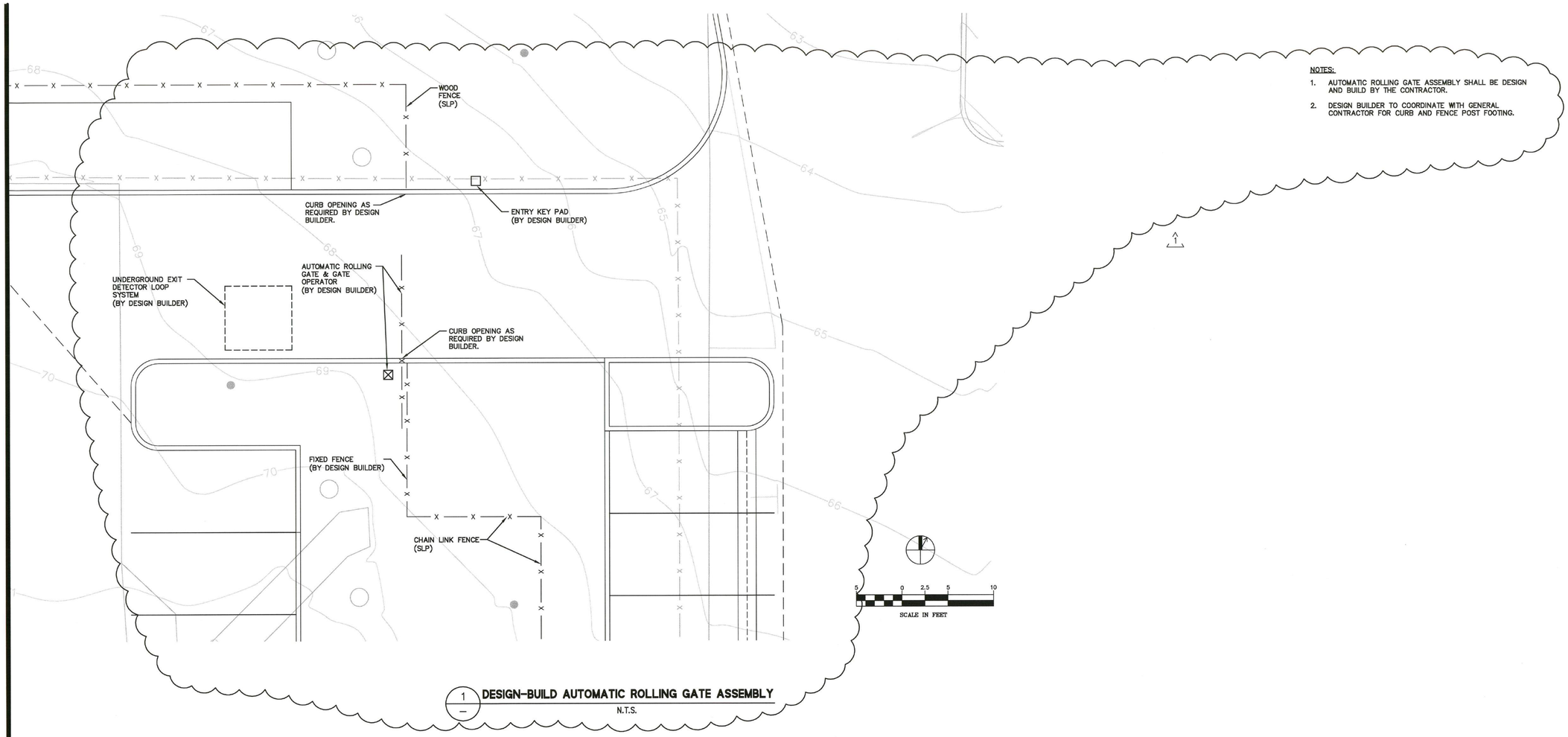
DRAWING NAME: K:\2015\1501133_SMHC and Respite Center\ENG\SHEET\RC-C700_DETAILS.dwg (C701)
PLOT TIME: 08-29-16 7:24am PLOTTED BY: poon



1 — **DESIGN-BUILD AUTOMATIC ROLLING GATE ASSEMBLY**

N.T.S.

NOTES:

1. AUTOMATIC ROLLING GATE ASSEMBLY SHALL BE DESIGN AND BUILD BY THE CONTRACTOR.
2. DESIGN BUILDER TO COORDINATE WITH GENERAL CONTRACTOR FOR CURB AND FENCE POST FOOTING.

hga.
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER

HGA
1200 R STREET, SUITE 100
SACRAMENTO, CA 95811
916.787.5100

MECHANICAL/ELECTRICAL/ PLUMBING ENGINEER

INTERFACE ENGINEERING, INC.
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SAN FRANCISCO, CA 94105
415.489.3213

CIVIL ENGINEER

BKF
255 SHORELINE DRIVE #200
REDWOOD CITY, CA 94065
650.482.6300

LANDSCAPE ARCHITECT

RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

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DEPARTMENT OF
PUBLIC WORKS AND
HEALTH SYSTEM
BEHAVIORAL HEALTH
AND RECOVERY
SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF CALIFORNIA.

BRIAN K. SCOTT — No. 61634 — Exp. 12/31/16 — CIVIL — STATE OF CALIFORNIA

NAME: BRIAN K. SCOTT
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: 61634

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY TO REMAIN ON SITE AT ALL TIMES

NO	DESCRIPTION	DATE
1	CO#1	08-26-16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

CONSTRUCTION DETAILS

REVISION
SEP 06 2016
San Mateo County Building Inspection

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

C702

CONSTRUCTION DOCUMENTS BID SET

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DRAWING NAME: K:\2015\150132_SMHC and Respite Center\ENG\SHEETMGT\C-C702_DETAILS.dwg (C702)
PLOT TIME: 08-29-16 7:24am PLOTTED BY: psun

ELECTRICAL SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

(E)	EXISTING
(N)	NEW
(R)	RELOCATE
(RL)	NEW LOCATION OF RELOCATED EQUIPMENT
(X)	DEMOLISH
A	AMPERES, AMBER
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AVAILABLE INTERRUPTING CAPACITY
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARF	ABOVE RAISED FLOOR
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
C	CONDUIT, CLOSE, CONTROL
CA	CABLE
CAT	CATEGORY
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CLG	CEILING
COORD	COORDINATE
CU	COPPER
dB	DECIBEL
DIA	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DTL	DETAIL
DWG	DRAWING
EA	EACH
EL	ELEVATION
EM	EMERGENCY LIGHT BALLAST
ENT	ELECTRICAL NON-METALLIC TUBING
ESD	ELECTROSTATIC DISCHARGE
FBO	FURNISHED BY OTHERS
FF	FINISH FLOOR
FMS	FACILITY MANAGEMENT SYSTEMS
FT	FOOT, FEET
G, GND	GROUND
GE	GROUNDING EQUALIZER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HC	HORIZONTAL CROSS CONNECT
HH	HANDHOLE
HT	HEIGHT
ID	IDENTIFICATION
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
IG	ISOLATED GROUND
IN	INCH, INCHES
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KW	KILOWATT
LED	LIGHT EMITTING DIODE
LNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LV	LOW VOLTAGE
MCA	MINIMUM CIRCUIT AMPS
MDU	MULIT-DWELLING UNIT
MHz	MEGAHERTZ
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION
MT, MTD	MOUNT, MOUNTED
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NESC	NATIONAL ELECTRIC SAFETY CODE
NTS	NOT TO SCALE
OC	ON CENTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OSP	OUTSIDE PLANT
PH	PHASE
QTY	QUANTITY
REQD	REQUIRED
RFI	REQUEST FOR INFORMATION
RM	ROOM
SHT	SHEET
SPD	SURGE PROTECTION DEVICE
SPKR	SPEAKER
STD	STANDARD
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TBD	TO BE DETERMINED
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TP	TRANSITION POINT
TTB	TELEPHONE TERMINAL BOARD
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
V	VOLTS, VOLTAGE
VRFY	VERIFY
W/	WITH
W/O	WITHOUT
WAO	WORK AREA OUTLET
WP	WEATHERPROOF

Connections / Equipment

- VFD — COMBINATION ADJUSTABLE FREQUENCY DRIVE WITH SAFETY DISCONNECT SWITCH
- F — HEAVY DUTY FUSED DISCONNECT SWITCH
- J OR J — JUNCTION BOX
- J — WALL-MOUNTED JUNCTION BOX
- MOTOR CONNECTION
- NON-FUSED DISCONNECT SWITCH
- T — TRANSFORMER

Fire Alarm

- FAA — FIRE ALARM ANNUNCIATOR PANEL
- FACP — FIRE ALARM CONTROL PANEL
- NAC — NOTIFICATION APPLIANCE CIRCUIT PANEL
- BT — BR — BEAM TYPE SMOKE DETECTOR (BT = TRANSMITTER, BR = RECIEVER/REFLECTOR)
- P — PULL STATION
- SMOKE DETECTOR
- SMOKE DETECTOR, DUCT MOUNTED
- SD — SPRINKLER FLOW SWITCH WITH INPUT MODULE
- PIV — SPRINKLER POST INDICATOR VALVE CONNECTION WITH INPUT MODULE
- PS — SPRINKLER PRESSURE SWITCH WITH INPUT MODULE
- VS — SPRINKLER TAMPER SWITCH WITH INPUT MODULE
- HEAT DETECTOR
- HORN/STROBE COMBINATION (# INDICATES MINIMUM CANDELA RATING)
- STROBE, CEILING MOUNTED (# INDICATES MINIMUM CANDELA RATING)
- STROBE, WALL MOUNTED (# INDICATES MINIMUM CANDELA RATING)

General

- EXISTING WORK
- NEW WORK
- X / X — DETAIL NUMBER AND SHEET LOCATION
- XX-X / LOCATION — EQUIPMENT IDENTIFICATION
- XX — FOOD SERVICE EQUIPMENT / CALCULATION TAG
- 1 — KEYED NOTE
- POINT OF CONNECTION
- A / XXX — SECTION NUMBER AND SHEET LOCATION

Lighting

- 1 — EXIT SIGN CEILING MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN
- EXIT SIGN WALL MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN
- RECESSED 1' X 4' LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT
- RECESSED 2' X 2' LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT
- RECESSED 2' X 4' LUMINAIRE
- RECESSED LUMINAIRE
- SURFACE MOUNTED 2' X 2' LUMINAIRE
- SURFACE MOUNTED 2' X 4' LUMINAIRE
- SURFACE OR PENDANT MOUNTED 1' X 4' LUMINAIRE
- SURFACE OR PENDANT MOUNTED LUMINAIRE
- SURFACE OR PENDANT MOUNTED STRIPLIGHT
- WALL MOUNTED 12" WIDE LUMINAIRE
- WALL MOUNTED 6" WIDE LUMINAIRE
- WALL MOUNTED LUMINAIRE
- WALL MOUNTED DUAL LUMINAIRE

Miscellaneous

- #10 / B-27,29,31. — BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR.
- BRANCH PANEL
- FLUSH WALL MOUNTED BRANCH PANEL
- GROUNDING POINT
- MAIN DISTRIBUTION PANEL / SUB DISTRIBUTION PANEL

Raceways

- CONDUIT/WIRING STUBBED OUT WITH END CAP OR INSULATED PLASTIC BUSHING
- EXISTING CONDUIT CONCEALED IN WALL OR CEILING SPACE
- EXISTING CONDUIT ROUTED BELOW FLOOR / GRADE

Switches and Receptacles

- DUPLEX RECEPTACLE (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS)
  - A = ABOVE COUNTER
  - B = CLOCK HANGER
  - C = FLUSH CEILING MOUNTED
  - E = EMERGENCY
  - F = ARC FAULT PROTECTED BY BREAKER IN PANEL
  - G = GROUND FAULT CIRCUIT INTERRUPTER
  - H = HOSPITAL GRADE
  - K = CHILD RESISTANT COVER
  - I = ISOLATED GROUND
  - P = PENDANT MOUNTED WITH CORD GRIPS, VERIFY PENDANT LENGTH
  - R1 = HALF SWITCHED BY OCCUPANCY SENSOR RELAY
  - R2 = FULLY SWITCHED BY OCCUPANCY SENSOR RELAY
  - S = SPLIT WIRED
  - T = TAMPER RESISTANT SHUTTERED RECEPTACLE
  - W = WEATHERPROOF CONTINUOUS USE COVER, GFCI PROTECTED, WITH WEATHER-RESISTANT RECEPTACLE
- DUPLEX RECEPTACLE, FLUSH FLOOR
- DOUBLE DUPLEX RECEPTACLE, SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
- SINGLE RECEPTACLE, FLUSH FLOOR
- SINGLE RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
- EQUIPMENT ELECTRICAL CONNECTION
- SPECIAL PURPOSE RECEPTACLE, LETTER CODE DENOTES RECEPTACLE CONFIGURATION
  - LX-XXR = NEMA CONFIGURATION TWIST-LOCK RECEPTACLE
  - X-XXR = NEMA CONFIGURATION STRAIGHT BLADE RECEPTACLE
  - P = PENDANT MOUNT WITH CORD GRIPS, VERIFY PENDANT LENGTH
  - X = COORDINATE RECEPTACLE CONFIGURATION WITH EQUIPMENT BEING SUPPLIED
- P — PENDANT RECEPTACLE WITH CORD GRIPS. VERIFY PENDANT LENGTH. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
- OS — CEILING MOUNTED OCCUPANCY SENSOR
  - P = PASSIVE INFRARED
  - D = DUAL TECHNOLOGY
  - U = ULTRASONIC, 360 DEG RANGE
  - H = ULTRASONIC, HALLWAY PATTERN
  - v (LOWERCASE) = VACANCY CONTROL DESIGNATION
- WALL MOUNTED OCCUPANCY SENSOR
  - P = PASSIVE INFRARED
  - D = DUAL TECHNOLOGY
  - v (LOWERCASE) = VACANCY CONTROL DESIGNATION
- WALL MOUNTED OCCUPANCY SENSOR/SWITCH
  - S = PASSIVE INFRARED WITH INTEGRAL "OFF" SWITCH
  - T = DUAL RELAY PASSIVE INFRARED WITH TWO INTEGRAL "OFF" SWITCHES
  - D = PASSIVE INFRARED WITH INTEGRAL DIMMER TO OFF.
  - v (LOWERCASE) = VACANCY CONTROL DESIGNATION
- MULTIPLE CHANNEL SURFACE METAL RECEPTACLE RACEWAY WITH LOW VOLTAGE DIVIDERS, LENGTH AND RECEPTACLES AS INDICATED
- PHOTO ELECTRIC SWITCH
  - D = CONTINUOUS DIMMING PHOTOCELL
  - S = SWITCHED PHOTOCELL
- $ — SINGLE POLE SWITCH
  - 2 = DOUBLE POLE SWITCH
  - 3 = THREE-WAY SWITCH
  - 4 = FOUR-WAY SWITCH
  - a THRU z (LOWERCASE) = LUMINAIRE CONTROL DESIGNATION
  - D = DIMMER
  - F = FAN SPEED CONTROL
  - K = KEY OPERATED SWITCH
  - L = LIGHTED HANDLE
  - M = MANUAL MOTOR STARTER WITH THERMAL OVERLOAD
  - P = SWITCH WITH PILOT LIGHT
  - S = SENTRY SWITCH
  - T = INTERVAL TIMER
  - W = WEATHERPROOF SWITCH
  - V = LOW VOLTAGE SWITCH

TECHNOLOGY SYMBOL LIST

Audio/Video

- TV — TELEVISION OUTLET, WITH RG-6 CABLE AND 1"C. TO ACCESSIBLE CEILING.

Electronic Security (PROVIDE CONDUIT AND JUNCTION BOX ONLY)

- DOOR POSITION SWITCH/CONTACT
- SPEAKER, CEILING
- L — ELECTRIC LATCH CONNECTION
- H — HANDICAP ACCESS BUTTON
- C — WALL MOUNTED ACCESS CONTROL CARD READER LOCATION
- K — KEYPAD ACCESS CONTROL

Telecommunications

- TELEPHONE OUTLET WITH (1) CAT5 CABLE TO IT ROOM THROUGH 3/4"C STUB ABOVE CEILING.
- COMMUNICATIONS OUTLET WITH (2) CAT6 CABLES TO IT ROOM THROUGH 1"C STUB ABOVE CEILING.

  A = ABOVE COUNTER WITH (2) CAT6 CABLES TO IT ROOM THROUGH 1"C STUB ABOVE CEILING.
- W — WIRELESS ACCESS POINT LOCATION WITH (1) CAT 6 CABLE TO IT ROOM. TERMINATE ON ONE-PORT BISCUIT BLOCK.

GENERAL ELECTRICAL NOTES

A. DO NOT COMMENCE INSTALLATION OF ELECTRICAL SYSTEMS AND EQUIPMENT WITHOUT RELATED SHOP DRAWING APPROVALS.

B. ELECTRICAL CIRCUITS SHALL BE INTERRUPTED ONLY WITH PRIOR WRITTEN CONSENT. SUCH INTERRUPTIONS SHALL BE PRECEDED BY ALL POSSIBLE PREPARATIONS BY THE CONTRACTOR WHICH ARE NECESSARY TO KEEP THE ELECTRICAL CIRCUITS OFF FOR A MINIMUM PERIOD IN AN EXPEDITIOUS MANNER PURSUANT WITH GOOD WORKMANSHIP. THIS INCLUDES CIRCUIT TRACING TO IDENTIFY THE ELECTRICAL LOAD BEING SERVED AND THE ORIGIN OF THE CIRCUIT.

C. PROVIDE BLANK COVER PLATE FOR ABANDONED FLUSH OUTLETS.

D. EXISTING LIGHTING WHICH IS TO REMAIN OR BE RELOCATED IS TO BE RELAMPED, REBALLASTED, AND CLEANED. LEAVE ALL LUMINAIRES IN PROPER WORKING ORDER. REPLACE DAMAGED OR BROKEN LENS AND/OR COMPONENTS.

E. WHERE DRAWINGS INDICATE EXISTING ELECTRICAL EQUIPMENT OR DEVICES TO BE RELOCATED AND/OR REUSED, REFURBISH THEM, THOROUGHLY CLEAN SUCH ITEMS. NOTIFY ARCHITECT OF ANY DEFECTS IN SUCH INSTALLATIONS. REPAIR ANY DAMAGE CAUSED BY DEMOLITION OR CONSTRUCTION PERFORMED UNDER THIS CONTRACT.

F. OFFER REMOVED LUMINAIRES, WIRING DEVICES, PANELBOARDS AND EQUIPMENT TO THE OWNER. IF OWNER CHOOSES TO RETAIN THESE ITEMS, RETURN SUCH ITEMS TO OWNER. CAREFULLY REMOVE AND DISPOSE OF ITEMS REJECTED BY OWNER FROM PROJECT SITE AND IN A LEGAL MANNER.

G. RECONNECT EXISTING LUMINAIRES NOT SHOWN ON DRAWINGS AND AFFECTED DUE TO DEMOLITION TO NEAREST AVAILABLE EXISTING LIGHTING CIRCUIT ABLE TO TAKE THE ADDITIONAL LOAD.

H. PROVIDE SUITABLE ANCHORAGE AND SUPPORT FOR ELECTRICAL EQUIPMENT IN RATED WALLS, SLABS AND CEILINGS. MOUNT DEVICES AND RACEWAYS IN ACCORDANCE WITH ESTABLISHED CODES AND SPECIFICATIONS.

I. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

J. DRAWINGS AND SPECIFICATIONS COMPLIMENT EACH OTHER. REQUIREMENT BY EITHER INFERS REQUIREMENT BY BOTH.

K. CONNECT EQUIPMENT AND DEVICES FURNISHED UNDER OTHER DIVISIONS OF THIS CONTRACT, BY OWNER OR BY OTHER CONTRACTS.

L. UNLESS OTHERWISE NOTED, PROVIDE CONCEALED AND FLUSH MOUNTED INSTALLATION OF DEVICES AND EQUIPMENT IN AREAS.

AA. PROVIDE SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN 120 VOLT, MULTI-WIRE CIRCUITS.

AB. FOR 120 VOLT, 20 AMP CIRCUITS, WHERE CIRCUIT DISTANCE FROM PANELBOARD TO FARTHEST DEVICE/FIXTURE EXCEEDS 75 FEET, PROVIDE #10 SIZE CONDUCTOR.

AC. RUN ELECTRICAL CONDUIT CONCEALED AND PARALLEL TO BUILDING LINES. VERIFY WITH ARCHITECT.

AD. RECEPTACLE OUTLETS SHALL COMPLY WITH CEC SECTION 210.7.

AE. LIGHTS, SWITCHES AND CONTROL MECHANISMS SHALL COMPLY WITH CEC SECTION 404.

AF. BRACE ELECTRICAL EQUIPMENT TO RESIST A HORIZONTAL FORCE THAT ACT IN ANY DIRECTION. COMPLY WITH TITLE 24 REQUIREMENTS.

AG. INSTALL COMPLETE SYSTEM OF CONDUCTORS IN RACEWAY SYSTEM THROUGHOUT BUILDING FOR FEEDERS, BRANCH CIRCUITS, ETC.

AH. PROVIDE UNSWITCHED HOT CONDUCTOR TO EMERGENCY BALLAST/DRIVER OF SWITCHED LUMINAIRES TO PREVENT SWITCHOVER TO BATTERY OPERATION WHEN LUMINAIRES ARE SWITCHED TO THE OFF POSITION.

AI. ALL WORK ON SERVICE CONDUCTORS, FEEDERS, AND OTHER SUCH EQUIPMENT SHALL BE DONE ONLY WHEN SUCH CONDUCTORS, FEEDERS, AND EQUIPMENT ARE DE-ENERGIZED. THE CONTRACTOR SHALL HAVE AN "ELECTRICAL SAFETY AND LOCK-OUT/TAG-OUT PROCEDURE" IN PLACE PRIOR TO COMMENCEMENT OF WORK.

AJ. MINIMUM SIZE FOR EXTERIOR BELOW GRADE CONDUIT SHALL BE 1".

AK. OCCUPANCY SENSOR NOTES:

1. WALL SENSORS
   a. SENSOR MUST HAVE CLEAR "VIEW" OF OCCUPANTS. WHERE SENSOR WILL BE BLOCKED, SUBSTITUTE WITH SMALL-ROOM CEILING SENSOR.
2. SEE MANUFACTURER'S SPECIFICATION REGARDING PLACING SENSORS AWAY FROM STRONG AIR-FLOW, INDICATE PRECISE LOCATION OF EACH CEILING SENSOR WHERE DRAWINGS INDICATE AIR SUPPLIES.
3. IN INDIVIDUAL ROOMS WITH CEILING SENSORS AND DUAL-LEVEL LIGHTING, ASSUME TWO TOGGLE SWITCH OVERRIDES PER ROOM.
4. PRIOR TO INSTALLATION, RECEIVE FACTORY-TRAINING AND LAYOUT-ASSISTANCE. IF LOCAL AGENT CHANGES LIGHTING DRAWINGS, CONTACT FACTORY REPRESENTATIVE.

AL. PROVIDE DESIGN BUILD FOR ANY REQUIRED MODIFICATION TO THE EXISTING FIRE ALARM SYSTEM. SUBMIT COMPLETE DRAWINGS TO THE FIRE MARSHAL FOR APPROVAL AND ASSUME FULL RESPONSIBILITY OF THE SYSTEM, DEVICE QUANTITY AND LOCATION, WIRING, PROGRAMMING AND CONTROL PANELS. COORDINATE FINAL DEVICE LOCATIONS WITH THE ARCHITECT PRIOR TO ROUGH-IN. FIRE ALARM DRAWINGS SHALL BE STAMPED AND SIGNED BY CALIFORNIA LICENSED ENGINEER.

SMOKE ALARM NOTES:
1. SMOKE ALARMS ARE REQUIRED IN ALL AREAS/ROOMS USED FOR SLEEPING , IN IMMEDIATE VICINITY OF OUTSIDE THESE AREAS/ROOMS AND AT BOTH THE TOP AND BOTTOM LANDING OF INTERIOR STAIRCASE.
2. CARBON MONOXIDE ARE REQUIRED OUTSIDE OF EACH BEDROOM AREA IN IMMEDIATE VICINITY OF THE BEDROOM(S), AND ON EVERY LEVELS OF A DWELLING UNIT INCLUDING BASEMENT.
3. CARBON MONOXIDE AND SMOKE ALARM SHALL RECEIVED THEIR PRIMARY POWER FROM THE BUILDING WIRING, BE EQUIPPED WITH BATTERY BACKUP AND BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE OF ALL THE ALARMS

AM. PROVIDE ALL BACKBOXES, FLOOR BOXES, FLOOR TRENCH DUCT, GROUNDING SYSTEM, PULL BOXES, CONDUITS AND CABLE TRAYS PER TELECOM/AV/SECURITY DRAWINGS AND SPECIFICATIONS. REFER TO TELECOM/AV/SECURITY DRAWINGS FOR QUANTITY AND LOCATIONS. PROVIDE ALL APPURTENANCES FOR A COMPLETE INSTALLATION.

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APPROVED PLANS
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY
NO CHANGES
TO BE MADE AT THIS
SUBMITTAL STAGE

REVISION
SEP 06 2016
San Mateo County
Building Inspection

PROJECT 2015-0429
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SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA.

REGISTERED PROFESSIONAL ENGINEER JASON I. AU No. E19806 ELECTRICAL STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CC #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

SYMBOL LIST AND GENERAL NOTES - ELECTRICAL

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

E0.01

CONSTRUCTION DOCUMENTS BID SET

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LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	HOUSING	MOUNTING	FINISH	LAMP(S)	BALLAST	VOLTAGE	INPUT WATTS	MFG/CATALOG #	ACCEPTABLE ALTERNATE	NOTES
A	2' X 4' DIRECT	HIGH REFLECTANCE POLYESTER POWDER COAT FINISH	SURFACE	WHITE	LED	LED DRIVER	120	40	LITHONIA #2TLX4 48L RW A19 LP835 OR APPROVED EQUAL		
B	2' X 4' DIRECT/INDIRECT, TAMPER PROOF	DIE-FORMED PRIME GRADE MATERIALS	SURFACE	WHITE	LED	LED DRIVER	120	67	KENALL LIGHTING #MMAC24-S-0/0-7-1-67L40K-120 OR APPROVED EQUAL		CONTRACTOR TO SUBMIT ALTERNATIVE SELECTIONS
C	2' X4', INDIRECT/DIRECT		SURFACE	WHITE	LED	LED DRIVER	120	32	LITHONIA #2ALLSA 40L EZ1 LP835 OR APPROVED EQUAL		
D	1' X4' LED WRAPAROUND	GLOSS WHITE ENAMEL ON COLD-ROLLED STEEL	SURFACE	WHITE	LED	LED DRIVER	120	41	LITHONIA #LBL835 OR APPROVED EQUAL		
E	6" LED, DOWNLIGHT, UL WET LOCATION LISTED		RECESSED	WHITE	LED	LED DRIVER	120	25	SPECTRUM LIGHTING #SGD6LEDOS-25W-30K-E1-AR616DFOS-FAF OR APPROVED EQUAL	PEACHTREE LIGHTING #6BLRD-VR-15-30K-120 #BLRDFS-15-30K-FF-120	
F	WALL LIGHT, LED, TAMPER PROOF	DIE-FORMED PRIME GRADE MATERIALS	SURFACE	WHITE	LED	LED DRIVER	120	45	KENALL LIGHTING #WCU-2-1/1-45L35K-DCC-120-1/B-1 OR APPROVED EQUAL		CONTRACTOR TO SUBMIT ALTERNATIVE SELECTIONS
G	6" LED DOWNLIGHT, TAMPER PROOF		RECESSED	WHITE	LED	LED DRIVER	120	25	SPECTRUM LIGHTING #SGTP6LEDOS-25W-30K-E1-TP6223OS/MW OR APPROVED EQUAL	PEACHTREE LIGHTING #6BLRD-VR-18-30K-120	
H	6" LED DOWNLIGHT		RECESSED	WHITE	LED	LED DRIVER	120	25	SPECTRUM LIGHTING #SGE6LEDOS-25W-30K-E-1 -AR6223OS/MW OR APPROVED EQUAL	PEACHTREE LIGHTING #6BLRD-25-30K-120	
J	READING LIGHTS	CONSTRUCTION	WALL		LED	LED DRIVER	120	10	LUMINAIRE LED #VPF41-10WH0-3500K-120-CP-WHT-TX/SD OR APPROVED EQUAL		LOCATE LUMINAIRE 5'-0" 0.C. AFF.
X	EXIT LIGHT	THERMOSTATIC, IMPACT RESISTANT AND CORROSION PROOF	UNIVERSAL	WHITE	LED	LED DRIVER	120	0.62	LITHONIA #LQM-S-W-3-G-120-ELN OR APPROVED EQUAL		

NOTES:

1 THIS LUMINAIRE SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT MANUAL CONTAINING THE ELECTRICAL SPECIFICATIONS.

2 DIMMING CONTROL PROTOCOL (0-10VDC, LINE VOLTAGE, DALI, ETC.) COMPATIBLE WITH LIGHTING CONTROL SYSTEM AS SPECIFIED AND SHOWN ON DRAWINGS.

3 COORDINATE ALL CEILING TYPES WITH LUMINAIRE LOCATIONS PRIOR TO ORDERING LUMINAIRES. COORDINATE INSTALLATION WITH REFLECTED CEILING PLAN.

4 SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESCRIBED.

5 PROVIDE SUBMITTALS THAT INCLUDE THE LUMINAIRE, LAMP AND DRIVER INFORMATION OF EACH LUMINAIRE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED. SUBMITTALS NOT INCLUDING THIS INFORMATION WILL BE RETURNED AS REJECTED BY THE ENGINEER OF RECORD.

6 REMOTE DRIVERS: UL LISTED FOR THEIR APPLICATION. DRIVERS MARKED AS UL RECOGNIZED COMPONENT BUT NOT UL LISTED ARE SUBJECT TO REMOVAL AND REPLACEMENT AT NO COST TO OWNER.

7 PROVIDE COMMISSIONING OF THE LIGHTING AND LIGHTING CONTROLS IN ACCORDANCE WITH CALIFORNIA TITLE 24 LIGHTING COMMISSIONING REQUIREMENTS.

8 USE HIGH EFFICACY LUMINAIRE. 1

LUMINAIRE SCHEDULE (SITE LIGHTING)

TYPE	DESCRIPTION	HOUSING	MOUNTING	FINISH	UL/IP RATING	BALLAST	LAMP(S)	INPUT WATTS	VOLTAGE	MFG/CATALOG #	ACCEPTABLE ALTERNATE	NOTES
L1	POLE TOP LUMINAIRES ASYMMETRICAL LIGHT DISTRIBUTION WITH WHITE ACRYLIC DIFFUSER	DIE-CAST AND ALUMINUM HOUSING	POLE LIGHT	BLACK, POWER COATED	IP65	LED DRIVER	LED	39 W	120	BEGA-US 7120LED OR APPROVED EQUIVALENT	LUMUX PL201LED120 OR APPROVED EQUIVALENT	10 FT TALL
L2	LED BOLLARD		BOLLARD	BLACK, POWER COATED	IP65	INTEGRATED LED DRIVER	LED	15 W	120	BEGA-US 8457 LED OR APPROVED EQUIVALENT	LUMUX BL350LED120 OR APPROVED EQUIVALENT	28"TALL
L3	TREE UPLIGHT	DIE-CAST ALUMINUM HOUSING	SURFACE	GRAPH GREY		INTEGRATED LED DRIVER	LED	50 W	120	LOUIS POULSEN #PYROS OR APPROVED EQUIVALENT	ERCO 34402 OR APPROVED EQUIVALENT	
L4	CANOPY/WALL MOUNTED FLOODLIGHT	DIE-CAST ALUMINUM SWIVEL AND CANOPY	SURFACE		IP65	FLUORESCENT BALLASTS	LED	35 W	120	BEGA-US #7505 LED OR APPROVED EQUIVALENT	ERCO 34404 OR APPROVED EQUIVALENT	
L5	WALL LUMINAIRES	DIE-CAST ALUMINUM HOUSING	SURFACE		IP65	LED DRIVER	LED	8.4W	120	BEGA-US #4234LED OR APPROVED EQUIVALENT	LUMUX WS100LED120 OR APPROVED EQUIVALENT	
L6	NOT USED											

NOTES:

1 THIS LUMINAIRE SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT MANUAL CONTAINING THE ELECTRICAL SPECIFICATIONS.

2 DIMMING CONTROL PROTOCOL (0-10VDC, LINE VOLTAGE, DALI, ETC.) COMPATIBLE WITH LIGHTING CONTROL SYSTEM AS SPECIFIED AND SHOWN ON DRAWINGS.

3 COORDINATE ALL CEILING TYPES WITH LUMINAIRE LOCATIONS PRIOR TO ORDERING LUMINAIRES. COORDINATE INSTALLATION WITH REFLECTED CEILING PLAN.

4 SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESCRIBED.

5 PROVIDE SUBMITTALS THAT INCLUDE THE LUMINAIRE, LAMP AND DRIVERS INFORMATION OF EACH LUMINAIRE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED. SUBMITTALS NOT INCLUDING THIS INFORMATION WILL BE RETURNED AS REJECTED BY THE ENGINEER OF RECORD.

6 REMOTE DRIVERS: UL LISTED FOR THEIR APPLICATION. DRIVERS MARKED AS UL RECOGNIZED COMPONENT BUT NOT UL LISTED ARE SUBJECT TO REMOVAL AND REPLACEMENT AT NO COST TO OWNER.

7 PROVIDE COMMISSIONING OF THE LIGHTING AND LIGHTING CONTROLS IN ACCORDANCE WITH CALIFORNIA TITLE 24 LIGHTING COMMISSIONING REQUIREMENTS.

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SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

COUNTY OF SAN MATEO FOUNDED 1856

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER JASON LEE No. E16808 ELECTRICAL STATE OF CALIFORNIA

Date Signed: 8/29/16

NAME:
DATE:
REGISTRATION NUMBER:

APPROVED PLAN SEP 30 2016 BY SAN MATEO COUNTY BUILDING INSPECTION

JOB COPY TO REMAIN ON SITE AT ALL TIMES

REVISION
SEP 06 2016
San Mateo County Building Inspection

NO	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

LUMINAIRE SCHEDULE - ELECTRICAL

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

E0.02

PROJECT 2015-0429
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CONSTRUCTION DOCUMENTS BID SET

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STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 08/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 1 of 6)
Project Name: Serenity House	Date Prepared: 1/15/2016

A. General Information

Climate Zone: 3	Conditioned Floor Area : 5,099				
	Unconditioned Floor Area : 0				
Building Type:	☑ Nonresidential	☐ High-Rise Residential	☐ Hotel/Motel		
☐ Schools	☐ Relocatable Public Schools	☑ Conditioned Spaces	☐ Unconditioned Spaces		
Phase of Construction:	☐ New Construction	☐ Addition	☑ Alteration		
Method of Compliance:	☐ Complete Building	☑ Area Category	☐ Tailored		
Project Address: 3701 Hacidena St					

B. Lighting Compliance Documents (select yes for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	FORM	TITLE
✓		NRCC-LTI-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
✓		NRCC-LTI-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
✓		NRCC-LTI-03-E	Indoor Lighting Power Allowance
	✓	NRCC-LTI-04-E	Tailored Method Worksheets
	✓	NRCC-LTI-05-E	Line Voltage Track Lighting Worksheets

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 08/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 2 of 6)
Project Name: Serenity House	Date Prepared: 1/15/2016

C. Summary of Allowed Lighting Power

Conditioned and Unconditioned space Lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
1.	**Installed** Lighting NRCC-LTI-01-E, page 4	+	2,826	**Installed** Lighting NRCC-LTI-01-E, page 4	+	0
2.	PORTABLE ONLY FOR OFFICES NRCC-LTI-01-E, page 3	+				
3.	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	0	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	0
4.	Adjusted **Installed** Lighting Power (row 1 plus row 2 minus row 3)	=	2,826	Adjusted **Installed** Lighting Power (row 1 minus row 3)	=	0
5.	Complies ONLY if **Installed** ≤ **Allowed**			Complies ONLY if **Installed** ≤ **Allowed**		
6.	**Allowed** Lighting Power Conditioned NRCC-LTI-03-E, page 1		4,649	**Allowed** Lighting Power Unconditioned NRCC-LTI-03-E, page 1		0

D. Declaration of Required Installation Certificates

Declare by selecting yes for all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
	✓	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 08/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 3 of 6)
Project Name: Serenity House	Date Prepared: 1/15/2016

E. Declaration of Required Certificates of Acceptance

Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐ Field Inspector
✓		NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐ Field Inspector
	✓	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐ Field Inspector

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☐ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

F. Indoor Lighting Schedule and Field Inspection Energy Checklist

- ☐ The actual indoor lighting power listed on this page and on the next page includes all installed permanent and planned portable lighting systems.
- ☐ When Complete Building Method is used for compliance, list each different type of luminaire on separate lines.
- ☐ When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire by each different function area on separate lines
- ☐ Also include track lighting in schedule, and submit the track lighting compliance form (NRCC-LTI-05-E) when line-voltage track lighting is installed.

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 08/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 4 of 6)
Project Name: Serenity House	Date Prepared: 1/15/2016

G. Installed Portable Luminaires in Offices – Exception to Section 140.6(a)

- ☐ This section shall be filled out ONLY for portable luminaires in offices (As defined in §100.1). All other planned portable luminaires shall be documented on next page of this compliance form.
- ☐ This section is used to determine if greater than 0.3 watts of portable lighting is planned for any office
- ☐ Fill out a separate line for each different office. Small offices that are typical (having the same general and portable lighting) may be grouped together. This allowance shall not be traded between offices having different lighting systems.

Office Portable Luminaire Schedule	Office Installed Portable Luminaire Watts Per Square Foot							Office Location	Field Inspector	
1	2	3	4	5	6	7	8	9	10	
Complete Luminaire Description (i.e., LED, under cabinet, furniture mounted direct/indirect)	Watts per Luminaire	Number of Luminaires	Installed portable luminaire watts in this office (G02 x G03)	Square feet of this office	Watts per square foot (G04 / G05)	If F ≤ 0.3, enter zero; If G06 > 0.3, (G06-0.3)	G05 x G07	Identify Office area in which these portable luminaires are installed	Pass	Fail
									☐	☐
									☐	☐
									☐	☐
									☐	☐
									☐	☐
Total installed portable luminaire watts that are greater than 0.3 watts per square foot per office:								Enter sum total of all pages into NRCC-LTI-01-E, Page 1		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 08/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 5 of 6)
Project Name: Serenity House	Date Prepared: 1/15/2016

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

H. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Field Inspector [1]	
A	B	C	D		E	F	G	H	
Name or Item Tag	Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined: CEC Default from NAB	How wattage was determined: According to §130.0(c)	Number Luminaires	Total Installed Watts in this area (H03 x H05)	Primary Function area in which these luminaires are installed	Pass	Fail
A	A	40.0	☐	☑	2	80	Kitchen, Food Preparation	☐	☐
B	B	67.0	☐	☑	8	536	Housing, Commons, Multi-Fami	☐	☐
C	C	32.0	☐	☑	4	128	Office <= 250 sqft	☐	☐
D	D	41.0	☐	☑	3	123	Corridor/Restroom/Support	☐	☐
D	D	41.0	☐	☑	2	82	Laundry	☐	☐
D	D	41.0	☐	☑	2	82	Electrical, Mechanical Room	☐	☐
E	E	25.0	☐	☑	3	75	Corridor/Restroom/Support	☐	☐
F	F	45.0	☐	☑	7	315	Corridor/Restroom/Support	☐	☐
G	G	25.0	☐	☑	3	75	Corridor/Restroom/Support		
						1,496	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 08/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 6 of 6)
Project Name: Serenity House	Date Prepared: 1/15/2016

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Brian Hsu	Documentation Author Signature:	
Company:	Interface Engineering	Signature Date:	1/15/2016
Address:	135 Main St., Suite 400	CEA Certification Identification (If applicable):	
City/State/Zip:	San Francisco, CA 94105	Phone:	415-489-7240

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Jason Lau	Responsible Designer Signature:	
Company:	Interface Engineering	Date Signed:	1/15/2016
Address:	135 Main St, Suite 400	License:	E16806
City/State/Zip:	San Francisco, California 94105	Phone:	415-489-7240

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 08/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 1 of 3)
Project Name: Serenity House	Date Prepared: 1/15/2016

The NRCC-LTI-02-E shall be used to document all mandatory and prescriptive lighting controls that are applicable to the project.

Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)

YES	NO	Control Requirements
	✓	Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.
	✓	Lighting shall be controlled by a lighting control a system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
	✓	One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
	✓	A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).
✓		All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
✓		All luminaires shall be functionally controlled with manually switched ON and OFF lighting controls in accordance with Section 130.1(a).
✓		General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled; in accordance with Section 130.1(a)4.
✓		The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).
✓		All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
✓		Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.
	✓	Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).
✓		Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4.(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF controls, and demand responsive controls.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 08/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 2 of 3)
Project Name: Serenity House	Date Prepared: 1/15/2016

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:
☑ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

MANDATORY AND PRESCRIPTIVE INDOOR LIGHTING CONTROL SCHEDULE, PAF CALCULATION, and FIELD INSPECTION CHECKLIST

Lighting Control Schedule			Standards Complying With [1] (✓ all that apply, or enter 'E' if Exempted)							PAF Credit Calculation [2]			✓ if Acceptance Test Required	Field Inspector	
										Watts of Controlled Lighting	PAF	Control Credit (K x L)		Pass	Fail
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc...)	# of Units	§130.1(a)	§130.1(b)	§130.1(c)	§130.1(d)	§130.1(e)	§140.6(a)2	§140.6(d)						
Bath Room	Occupancy Sensor	5			✓								✓	☐	☐
Dorm	Manual Area	8		✓									✓	☐	☐
Office	Multi Level	4			✓								✓	☐	☐
Dining	Automatic Daylighting	1				✓							✓	☐	☐
Laundry	Multi Level	1			✓								✓	☐	☐
Hall	Occupancy Sensor	3				✓							✓	☐	☐
														☐	☐
												Control Credit PAGE TOTAL (Sum of Column M):	0		
												IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column M):	0		
													Enter Control Credit total into NRCC-LTI-01-E; Page 1.		

1. §130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls.
2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an installation Certificate is also required to be filled out, signed, and submitted.

APPROVED PLAN
SEP 8 0 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY TO REMAIN ON SITE AT ALL TIMES

REVISION
SEP 0 6 2016
San Mateo County Building Inspection

PROJECT 2015-0429
CONTACT Roberto Simon
INTERFACE ENGINEERING
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INTERFACE ENGINEERING, INC.
135 MAIN STREET, SUITE 400
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CIVIL ENGINEER
BKF
255 SHORELINE DRIVE #200
REDWOOD CITY, CA 94065
650.482.6300

LANDSCAPE ARCHITECT
RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA.

REGISTERED PROFESSIONAL ENGINEER JASON LAU No. E16806 ELECTRICAL STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

TITLE 24 - ELECTRICAL

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

E0.03

CONSTRUCTION DOCUMENTS BID SET

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STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 3 of 3)
Project Name: Serenity House	Date Prepared: 1/15/2016

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Brian Hsu	Documentation Author Signature:	
Company:	Interface Engineering	Signature Date:	1/15/2016
Address:	135 Main St., Suite 400	CEA Certification Identification (if applicable):	
City/State/Zip:	San Francisco, CA 94105	Phone:	415-489-7240

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Jason Lau	Responsible Designer Signature:	
Company:	Interface Engineering	Date Signed:	1/15/2016
Address:	135 Main St, Suite 400	License:	E16806
City/State/Zip:	San Francisco, California 94105	Phone:	415-489-7240

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 1 of 4)
Project Name: Serenity House	Date Prepared: 1/15/2016

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

A. SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES

☐ If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts.
☐ If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in column (b) as the total allowed building watts

	(a)	(b)
1. Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page)		
2. Area Category Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page)		4,649
3. Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-04-E		0
TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01, Page 2, Row 1		4,649

☐ Check here if building contains both conditioned and unconditioned areas.

B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE

1	2		3		4
TYPE OF BUILDING (From §140.6 Table 140.6-B)	WATTS PER (ft^2)	X	COMPLETE BLDG. AREA	=	ALLOWED WATTS
Total Area:					
Total Watts. Enter Total Watts into section A, row 1 (Above on this page)					

C -1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES (D plus E)

	Watts
Total from section C-2	4,649
Total from section C-3	0
Total Watts. Enter Total Watts into section A, row 2 (Above on this page)	4,649

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 2 of 4)
Project Name: Serenity House	Date Prepared: 1/15/2016

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

C -2 AREA CATEGORY METHOD GENERAL LIGHTING POWER ALLOWANCE

☐ Do not include portable lighting for offices. Portable lighting for offices shall be documented only in section B of NRCC-LTI-01-E.
☐ Separately list lighting for each primary function area as defined in §100.1 of the Standards.

A		B		C		D
AREA CATEGORY (From §140.6 Table 140.6-C)		WATTS				ALLOWED
Location in Building	Primary Function Area per Table 140.6-C	PER (ft^2)	X	AREA (ft^2)	=	WATTS
Dormitory	Housing, Commons, Multi-Family, Dorm	1.00		2,102		2,102
Corridor, Restroom, and Support	Corridor/Restroom/Support	0.60		1,643		986
Electrical/Mechanical Room	Electrical, Mechanical Room	0.70		194		136
Kitchen	Kitchen, Food Preparation	1.60		463		741
Laundry	Laundry	0.90		129		116
Office	Office <= 250 sqft	1.00		568		568
	TOTALS			5,099		
Enter sum total Area Category allowed watts into section C-1 of NRCC-LTI-03-E (this compliance form)						4,649
						WATTS

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 3 of 4)
Project Name: Serenity House	Date Prepared: 1/15/2016

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

C-3 AREA CATEGORY METHOD ADDITIONAL LIGHTING WATTAGE ALLOWANCE (from Table 140.6-C Footnotes)

A	B	C [2]	D	E	F	G
Primary Function	Sq Ft or linear ft^{-1}	Additional Watts Allowed	Wattage Allowance (B x C)	Description(s) and Quantity of Special Luminaire Types in each Primary Function Area	Total Design Watts [3]	ALLOWED WATTS Smaller of D or F
TOTALS – Enter into TOTAL AREA CATEGORY METHOD ADDITIONAL ALLOWANCES – Section C-1 →						0

1. Use linear feet only for additional allowance for white board or chalk board. All other additional Area Category allowances shall use watts per square foot.
2. Additional watts are available only when allowed according to the footnotes on bottom of Table 146-C, which include: Specialized task work; Ornamental lighting; Precision commercial and industrial work; Per linear foot of white board or chalk board; Accent, display and feature lighting; and Videoconferencing Studio lighting..
3. Luminaire classification and wattage shall be determined in accordance with §130.0(c) of the Standards.

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 4 of 4)
Project Name: Serenity House	Date Prepared: 1/15/2016

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Brian Hsu	Documentation Author Signature:	
Company:	Interface Engineering	Signature Date:	1/15/2016
Address:	135 Main St., Suite 400	CEA Certification Identification (if applicable):	
City/State/Zip:	San Francisco, CA 94105	Phone:	415-489-7240

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Jason Lau	Responsible Designer Signature:	
Company:	Interface Engineering	Date Signed:	1/15/2016
Address:	135 Main St, Suite 400	License:	E16806
City/State/Zip:	San Francisco, California 94105	Phone:	415-489-7240

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 1 of 4)
Project Name: Serenity House	Date Prepared: 1/15/2016

Project Address: 3701 Hacidena St San Mateo, CA 94403	Total Illuminated Hardscape Area 24,612

General Information:
Phase of Construction: ☐ New Construction ☐ Addition ☑ Alteration
Outdoor Lighting Zone (OLZ) ☐ OLZ-1 ☐ OLZ-2 ☑ OLZ-3 ☐ OLZ-4
I have confirmed with the AHJ which OLZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114

LIGHTING COMPLIANCE DOCUMENTS (check box for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

☑	NRCC-LTO-01-E	Certificate of Compliance
☑	NRCC-LTO-02-E	Outdoor Lighting Controls Certificate of Compliance
☑	NRCC-LTO-03-E	Outdoor Lighting Power Allowance Certificate of Compliance

Summary of Allowed Outdoor Lighting Power		Watts
1.	**Sum Total ALLOWED** Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1	= 4,022
	Complies ONLY if **Installed** ≤ **Allowed**	
2.	**Sum Total INSTALLED** Outdoor lighting Wattage from NRCC-LTO-01-E, page 3	1,256

Declaration of Required Installation Certificates – Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

☑ NRCI-LTO-01-E - Must be submitted for all buildings	☐ Field Inspector
☑ NRCI-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector

Declaration of Required Certificates of Acceptance – Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

☑ NRCA-LTO-02-A - Must be submitted for outdoor lighting controls.	☐ Field Inspector

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 2 of 4)
Project Name: Serenity House	Date Prepared: 1/15/2016

Schedule of luminaires exempt from the outdoor lighting power requirements in §140.7

Name or Symbol	Description of exempt luminaire in accordance with the exemptions

Schedule of luminaires exempt from the cutoff requirements in §130.2(b)

Name or Symbol	Description of exempt luminaire in accordance with the exemptions

Schedule of luminaires exempt from the outdoor lighting control requirements in §130.2(c)

Name or Symbol	Description of exempt luminaire in accordance with the exemptions

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY TO REMAIN ON SITE AT ALL TIMES

REVISION
SEP 06 2016
San Mateo County Building Inspection

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SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

COUNTY OF SAN MATEO FOUNDED 1856

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REGISTERED PROFESSIONAL ENGINEER JASON LAU No. E16806 ELECTRICAL STATE OF CALIFORNIA

Date Signed: 8/25/16

NO	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

TITLE 24 - ELECTRICAL

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

E0.04

CONSTRUCTION DOCUMENTS BID SET

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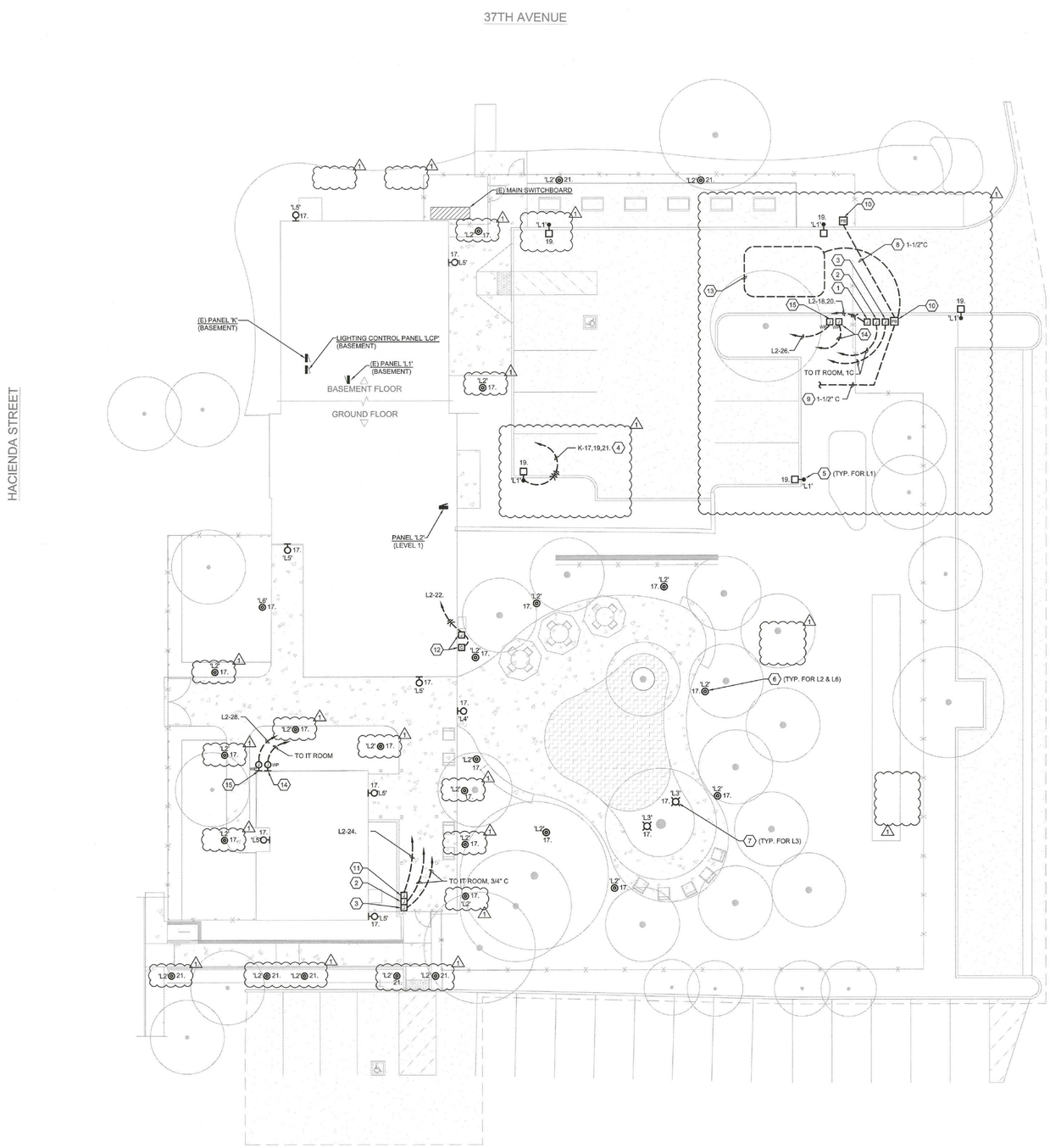
STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 3 of 4)
Project Name: Serenity House	Date Prepared: 1/15/2016

A. OUTDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts				Location	Cutoff	Field Inspector	
A	B	C	D	E	F	G	H	I	
Name or Item Tag	Complete Luminaire Description	Watts per Luminaire	How wattage was determined: CEC Default from §130.0	How wattage was determined: According to §130.0	Number of Luminaires	Total Installed Watts (C x E)	Primary Function area in which these luminaires are installed	BUG Rating	Pass	Fail
L1	L1	39.0	☐	☑	7	273	Automotive Hardscape		☐	☐
L2	L2	39.0	☐	☑	9	351	Pedestrian Hardscape		☐	☐
L3	L3	50.0	☐	☑	2	100	Pedestrian Hardscape		☐	☐
L4	L4	35.0	☐	☑	1	35	Pedestrian Hardscape		☐	☐
L5	L5	8.4	☐	☑	8	67	Pedestrian Hardscape		☐	☐
L6	L6	25.3	☐	☑	17	430	Pedestrian Hardscape		☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐		



1 SITE PLAN - LIGHTING

0 8' 16' 24'

SCALE: 3/32"=1'-0"

GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION OF SITE ELECTRICAL EQUIPMENT AND SITE LIGHTING WITH THE ARCHITECT AND CIVIL ENGINEER PRIOR TO COMMENCEMENT OF WORK.

B. ALL EMPTY CONDUIT SHALL BE PROVIDED WITH PULL ROPE. U.O.N.

C. SITE INTERCOM AND SECURITY SHALL ROUGH-IN BY CONTRACTOR TO INCLUDE BACK BOXES AND EMPTY CONDUITS AS INDICATED.

SHEET KEYNOTES

1 WP GROUND BOX FOR POWER FOR AUTO GATE OPENER.

2 WP GROUND BOX FOR TELEPHONE/DATA AND MONITORING CONNECTIONS.

3 WP GROUND BOX FOR SECURITY DEVICE CONTROL WIRING.

4 CIRCUIT TO BE CONTROLLED VIA 'LCP'.

5 FOR CONCRETE BASE DETAIL, SEE 2/E4.02.

6 FOR CONCRETE BASE DETAIL, SEE 1/E4.02.

7 FOR CONCRETE BASE DETAIL, SEE 3/E4.02.

8 PROVIDE EMPTY CONDUIT FOR GATE OPERATOR CONTROL WIRING. WIRING BETWEEN GATE CONTROLLER AND MOTOR WILL BE PROVIDED BY DESIGN/BUILD GATE SUBCONTRACTOR. GENERAL CONTRACTOR TO COORDINATE BETWEEN SUBCONTRACTORS AND OTHER WORK.

9 CONDUIT FOR GATE MAIN CONTROLLER STUB-UP IN IT ROOM AT LEVEL 2.

10 GROUND PULLBOX FOR GATE OPERATOR CONTROL WIRING TERMINATION. FIELD VERIFY EXACT LOCATION AT SITE.

11 120V POWER SUPPLY FOR GATE CONTROLLER.

12 120V POWER SUPPLY FOR LANDSCAPE CONTROLLER.

13 PROVIDE CONDUIT AND CONTROL WIRING CONNECTION TO EXIT GATE LOOP DETECTOR CONTROLLER. CONTRACTOR SHALL PROVIDE AND INSTALL A COMPLETE GATE LOOP DETECTOR SYSTEM PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATION.

14 JUNCTION BOX AND 1"C FOR SECURITY CAMERA.

15 POWER FOR SECURITY CAMERA.

APPROVED PLAN
SEP 30 2016
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SEP 06 2016
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REGISTERED PROFESSIONAL ENGINEER JASON LAU No. E16806 ELECTRICAL STATE OF CALIFORNIA

Date Signed: 8/29/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

SITE PLAN - LIGHTING

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

E1.00

CONSTRUCTION DOCUMENTS BID SET

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GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LUMINAIRES AND LIGHTING CONTROLS WITH ARCHITECT PRIOR TO INSTALLATION.

B. EMERGENCY EGRESS LIGHTS AND EXIT SIGNS SHALL BE HARDWIRED CONNECTION, U.O.N.

C. EMERGENCY EGRESS LUMINAIRES INDICATED WITH HATCHED SYMBOL AND TAGGED WITH LETTER CODE 'EM'. PROVIDE INTEGRAL EMERGENCY BATTERY PACKS FOR EMERGENCY EGRESS LUMINAIRES. EMERGENCY FLUORESCENT LAMP POWER SUPPLY SHALL BE SPECIFIED AS FOLLOWS:
   a. SELF-CONTAINED, NICKEL-CADMIUM BASED, BATTERY-OPERATED POWER SUPPLY FOR OPERATING ONE LINEAR OR LED LAMP FOR MINIMUM OUTPUT OF 90 MINUTES.
   b. MINIMUM INITIAL LUMEN OUTPUT FOR LINEAR LED LAMPS: 2248 LUMENS.
   c. MINIMUM INITIAL LUMEN OUTPUT FOR COMPACT FLUORESCENT LAMPS: 2000.
   d. PROVIDE ACCESS HATCHES FOR EMERGENCY BATTERY BACKUP DRIVERS, ADJACENT TO RECESSED DOWNLIGHTS WITH 6-INCH OR LESS DIAMETER INSTALLED IN INACCESSIBLE CEILINGS.
   e. REMOTE BATTERY PACK SHALL BE INSTALLED ABOVE THE DOOR.
   f. MANUFACTURERS: BODINE, LITHONIA, OR APPROVED EQUIVALENT.

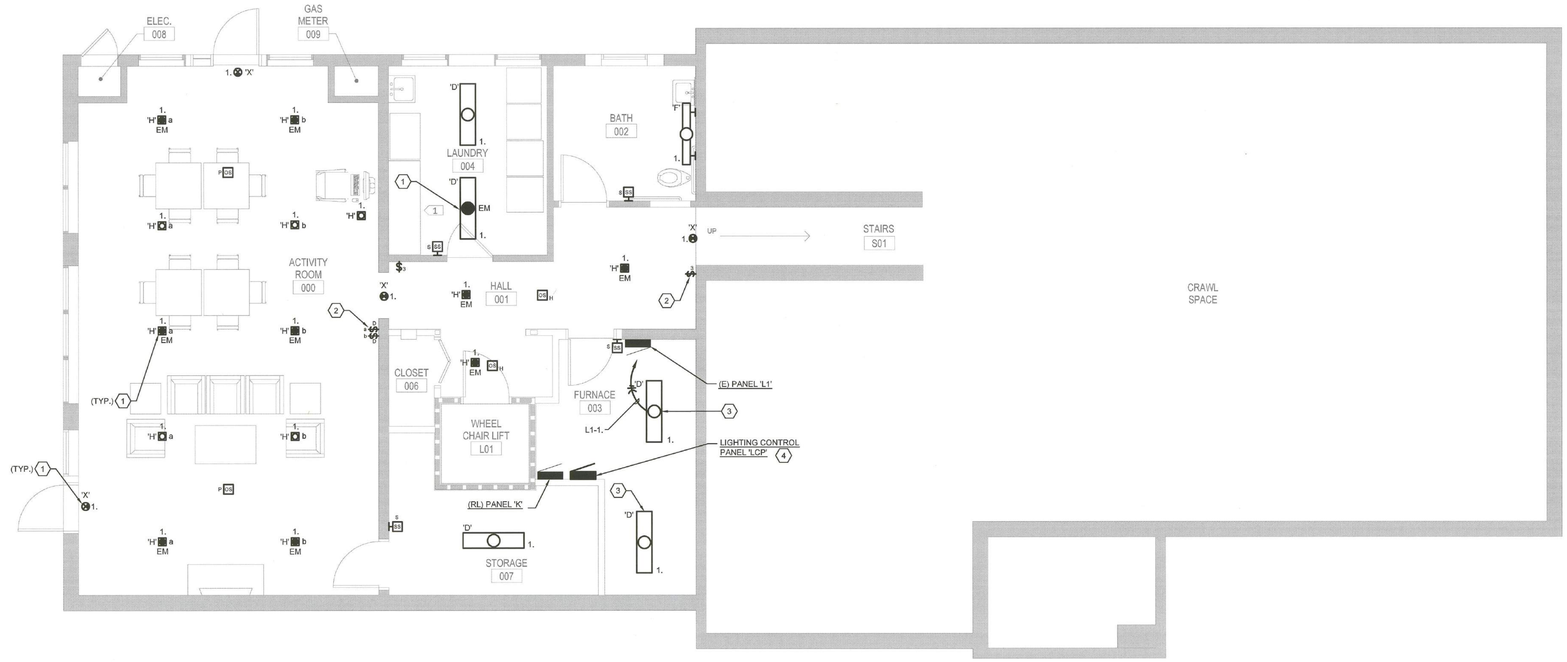
SHEET KEYNOTES

1 FIXTURE WITH EMERGENCY BATTERY PACK. PROVIDE UNSWITCHED CIRCUIT TO BATTERY.

2 OVERRIDE CONTROL SWITCH.

3 LOCATE LUMINAIRE BELOW DUCT. PROVIDE UNI-STRUT CHANNEL SUPPORT AS REQUIRED.

4 LIGHTING CONTROL PANEL SHALL BE CEC CERTIFIED AND LATEST TITLE 24 COMPLIANT WITH INTEGRAL TIMER SWITCH. ALLOW CONNECTION OF EXTERNAL PHOTOCELL SENSORS, BY-PASS OVERRIDE SWITCHES, AND BACNET COMPATIBLE FOR BMS CONNECTION.



1 FLOOR PLAN - BASEMENT - LIGHTING

0 2' 4' 8'

SCALE: 1/4"=1'-0"

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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SEP 06 2016
San Mateo County Building Inspection

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REGISTERED PROFESSIONAL ENGINEER JASON J. LIU No. 21806 ELECTRICAL STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

FLOOR PLAN - BASEMENT - LIGHTING

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

E2.00

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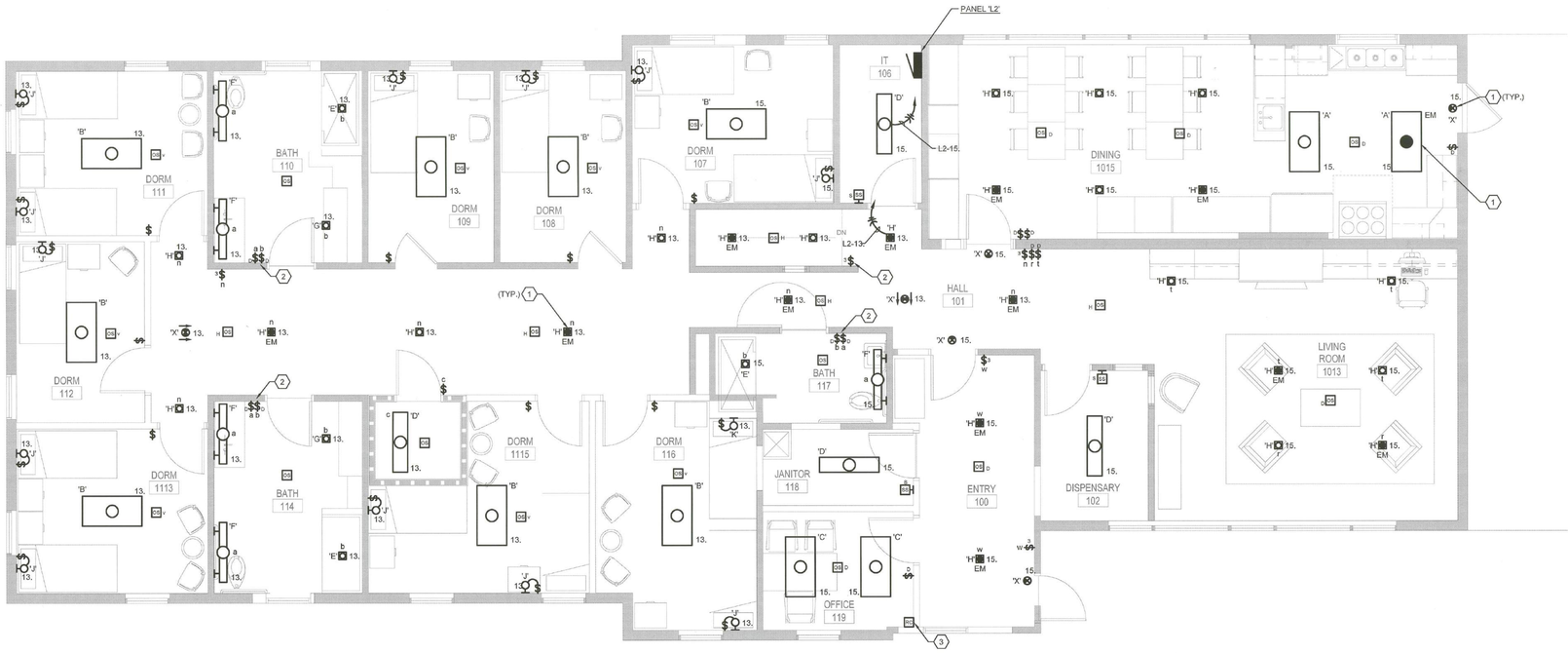
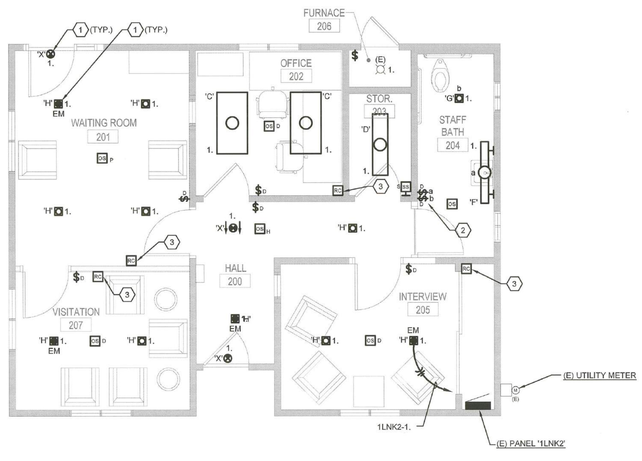


1 FLOOR PLAN - LEVEL 1 - MAIN BUILDING - LIGHTING

0 2' 4' 8'

SCALE: 1/4"=1'-0"



2 FLOOR PLAN - LEVEL 1 - ADMIN BUILDING - LIGHTING

0 2' 4' 8'

SCALE: 1/4"=1'-0"

GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LUMINAIRES AND LIGHTING CONTROLS WITH ARCHITECT [ENGINEER] PRIOR TO INSTALLATION.

B. EGRESS LIGHTS AND EXIT SIGNS SHALL BE HARDWIRED CONNECTION, U.O.N.

C. EMERGENCY EGRESS LUMINAIRES INDICATED WITH HATCHED SYMBOL AND TAGGED WITH LETTER CODE 'EM'. PROVIDE INTEGRAL EMERGENCY BATTERY PACKS FOR EMERGENCY EGRESS LUMINAIRES. EMERGENCY FLUORESCENT LAMP POWER SUPPLY SHALL BE SPECIFIED AS FOLLOWS:
   a. SELF-CONTAINED, NICKEL-CADMIUM BASED, BATTERY-OPERATED POWER SUPPLY FOR OPERATING ONE LINEAR OR LED LAMP FOR MINIMUM OUTPUT OF 90 MINUTES.
   b. MINIMUM INITIAL LUMEN OUTPUT FOR LINEAR LED LAMPS: 2248 LUMENS.
   c. MINIMUM INITIAL LUMEN OUTPUT FOR COMPACT FLUORESCENT LAMPS: 2000.
   d. PROVIDE ACCESS HATCHES FOR EMERGENCY BATTERY BACKUP DRIVERS, ADJACENT TO RECESSED DOWNLIGHTS WITH 6-INCH OR LESS DIAMETER INSTALLED IN INACCESSIBLE CEILINGS.
   e. REMOTE BATTERY PACK SHALL BE INSTALLED ABOVE THE DOOR.
   f. MANUFACTURERS: BODINE, LITHONIA, OR APPROVED EQUIVALENT.

SHEET KEYNOTES

1 FIXTURE WITH EMERGENCY BATTERY PACK. PROVIDE UNSWITCHED CIRCUIT TO BATTERY.

2 OVERRIDE CONTROL.

3 ROOM CONTROLLER FOR DIMMING AND SENSOR CONTROLS. LOCATE CONCEALED IN ACCESSIBLE CEILING.

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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REGISTERED PROFESSIONAL ENGINEER JASON LAU No. E16806 ELECTRICAL STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

FLOOR PLAN - LEVEL 1 - LIGHTING

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

E2.01

CONSTRUCTION DOCUMENTS BID SET

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GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLES, VOICE/DATA OUTLETS AND ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION.

C. COMMUNICATIONS SCOPE SHALL BE LIMITED TO FURNISHING AND INSTALLING CABLING, BACKBOXES, JACKS, AND FACEPLATES FOR WALL OUTLETS ONLY.

D. COMMUNICATION SYSTEM WORK SHALL BE LIMITED TO WALL OUTLET. CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED CABLING (CAT6) BACK BOXES, JACK, AND COVERPLATE INFRASTRUCTURE FOR END USER USE.

SHEET KEYNOTES

1 PROVIDE RECEPTACLE FOR WASHER.

2 PROVIDE CONNECTION FOR DRYER GAS IGNITER.

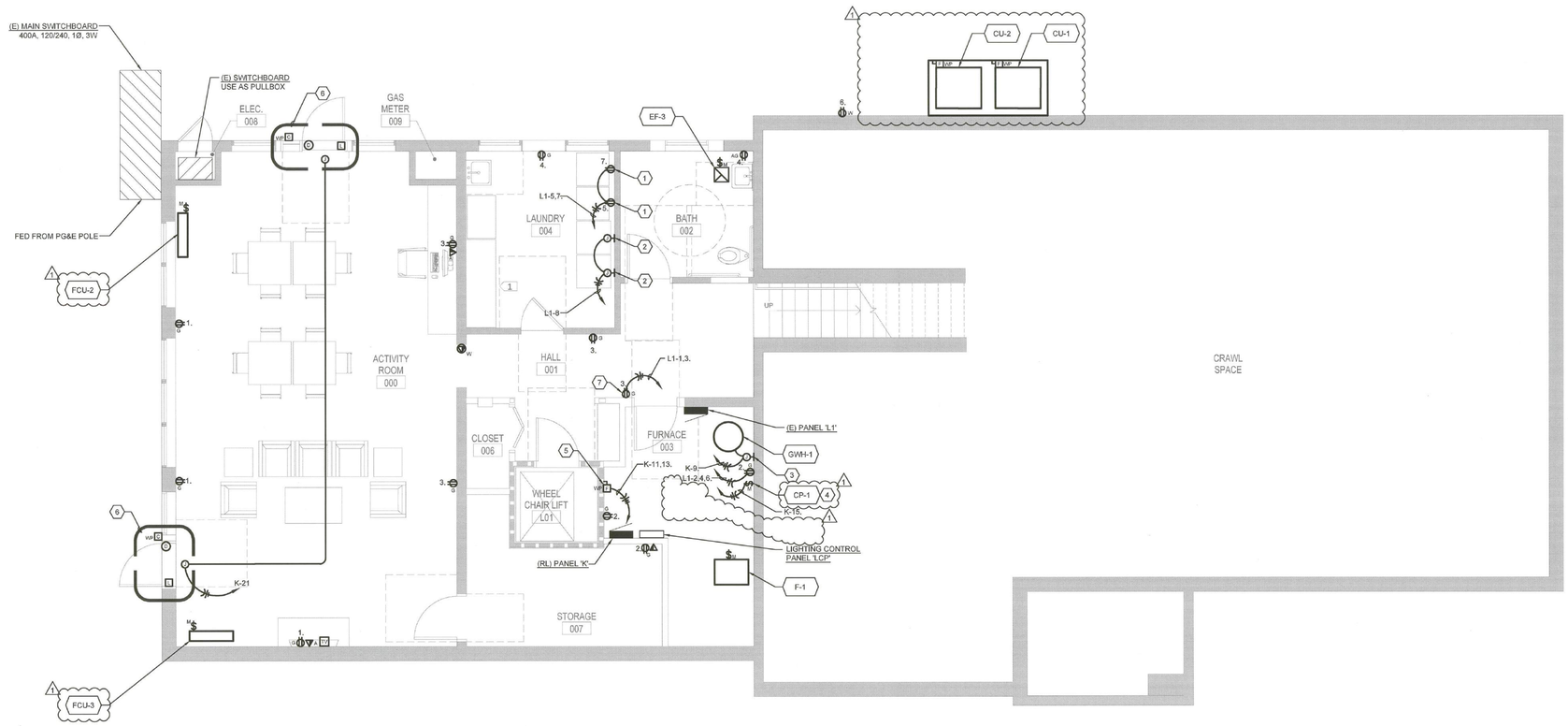
3 PROVIDE POWER FOR GHW GAS IGNITER.

4 PROVIDE POWER FOR CIRCULATING PUMP.

5 PROVIDE FUSIBLE DISCONNECT SWITCH, 30A WITH 20A FUSE FOR WHEEL CHAIR LIFT. LOCATE SWITCH ADJACENT TO LIFT CONTROLLER. FIELD VERIFY EXACT LOCATION.

6 LOCATE JUNCTION BOX AND ASSOCIATED CONDUIT FOR SECURITY DEVICE. RUN 1"C TO SECURITY HEADEND EQUIPMENT IN IT ROOM.

7 FOR NIGHT LIGHT USE.



1 FLOOR PLAN - BASEMENT - POWER

0 2' 4' 8'

SCALE: 1/4"=1'-0"

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REGISTERED PROFESSIONAL ENGINEER JASON LIU No. E16806 ELECTRICAL STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
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REGISTRATION NUMBER:

APPROVED PLAN
SEP 30 2016
BY San Mateo County Building Inspection Division

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SEP 06 2016
San Mateo County Building Inspection

NO	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

FLOOR PLAN - BASEMENT - POWER

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

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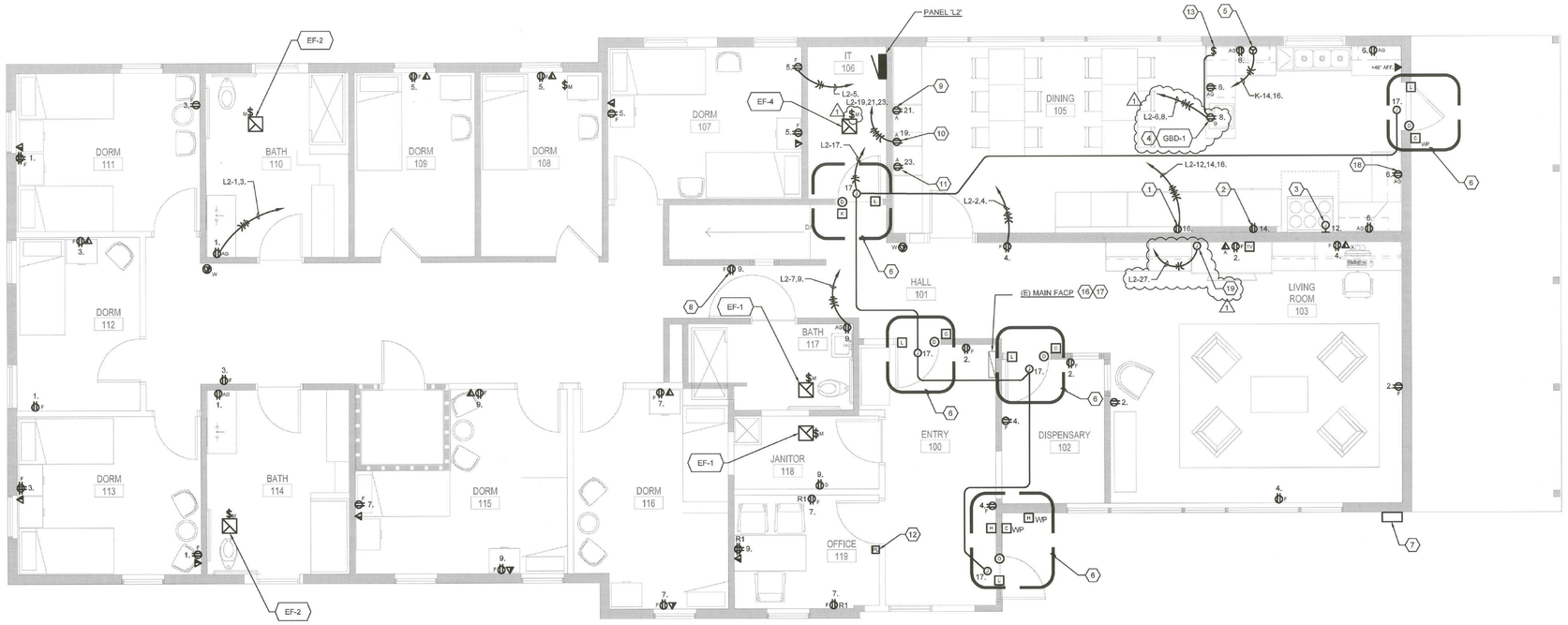
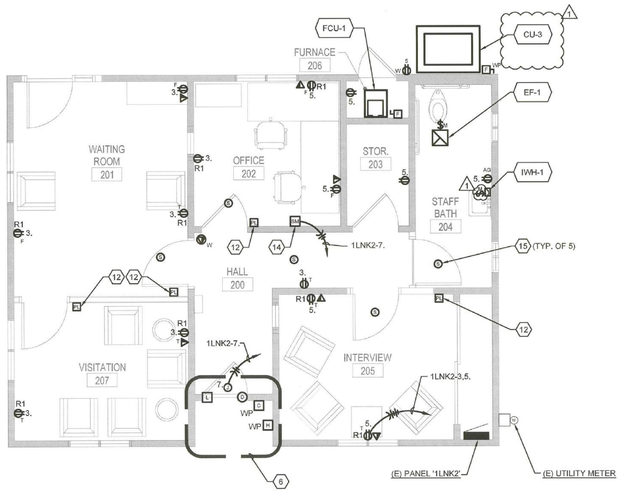


1 FLOOR PLAN - LEVEL 1 - MAIN BUILDING - POWER

SCALE: 1/4"=1'-0"



2 FLOOR PLAN - LEVEL 1 - ADMIN BUILDING - POWER

SCALE: 1/4"=1'-0"

GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLES, VOICE/DATA OUTLETS AND ELECTRICAL DEVICES WITH ARCHITECT [ENGINEER] PRIOR TO INSTALLATION.

B. COORDINATE EXACT POWER REQUIREMENTS OF KITCHEN EQUIPMENT WITH MANUFACTURER PRIOR TO INSTALLATION.

C. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION.

D. COORDINATE RECEPTACLE NEMA TYPE CONFIGURATION WITH SUPPLIER.

D. COMMUNICATION SYSTEM WORK SHALL BE LIMITED TO WALL OUTLET. CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED CABLING (CAT6) BACK BOXES, JACK, AND COVERPLATE INFRASTRUCTURE FOR END USER USE.

SHEET KEYNOTES

1 LOCATE RECEPTACLE FOR FREEZER.

2 LOCATE RECEPTACLE FOR REFRIGERATOR.

3 LOCATE JUNCTION BOX FOR RANGE GAS IGNITER CONNECTION.

4 LOCATE RECEPTACLE AND SWITCHES FOR GARBAGE DISPOSER.

5 LOCATE RECEPTACLE FOR DISHWASHER. COORDINATE OUTLET REQUIREMENT WITH SUPPLIER.

6 LOCATE JUNCTION BOX AND ASSOCIATED CONDUIT FOR SECURITY DEVICE. RUN 1"C TO SECURITY HEADEND EQUIPMENT IN IT ROOM.

7 EXISTING LOCATION OF COMCAST PULLBOX.

8 FOR NIGHT LIGHT USE.

9 FOR COFFEE STATION.

10 FOR MICROWAVE USE.

11 FOR TOASTER USE.

12 PLUG RELAY CONTROLLER. CONNECT 120V POWER FROM CONTROLLED RECEPTACLE.

13 PROVIDE LABEL TO SWITCH.

14 PROVIDE 120V POWER TO SOUND MASKING SYSTEM CONTROL MODULE. FIELD VERIFY EXACT LOCATION.

15 SOUND MASKING SPEAKER. PROVIDE JUNCTION BOX ONLY FOR CONNECTION TO CONTROLLER.

16 PROVIDE REQUIRED PROGRAMMING AND MODIFICATION TO EXISTING FACP BASED ON APPROVED SHOP DRAWING FROM THE LOCAL FIRE MARSHALL.

17 PROVIDE (N) 120V POWER SUPPLY FROM PANEL 'L2'.

18 POWER PROVISION FOR MIXING BOWL.

19 ALTERNATE BID:
A. PROVIDE 120V POWER CONNECTION FOR FIREPLACE GAS IGNITER.

hga
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER
HGA
1200 R STREET, SUITE 100
SACRAMENTO, CA 95811
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MECHANICAL/ELECTRICAL/PLUMBING ENGINEER
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135 MAIN STREET, SUITE 400
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REDWOOD CITY, CA 94065
650.482.6300

LANDSCAPE ARCHITECT
RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

COUNTY OF SAN MATEO FOUNDED 1856

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REGISTERED PROFESSIONAL ENGINEER JASON TAO No.E16806 ELECTRICAL STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

APPROVED PLAN SEP 9 2016 BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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REVISION SEP 06 2016 San Mateo County Building Inspection

NO	DESCRIPTION	DATE
1	CC #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

FLOOR PLAN - LEVEL 1 - POWER

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

E3.01

PROJECT 2015-0429
CONTACT Roberto Simon
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135 Main Street
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FAX 415.489.7289
www.interfaceengineering.com

CONSTRUCTION DOCUMENTS BID SET

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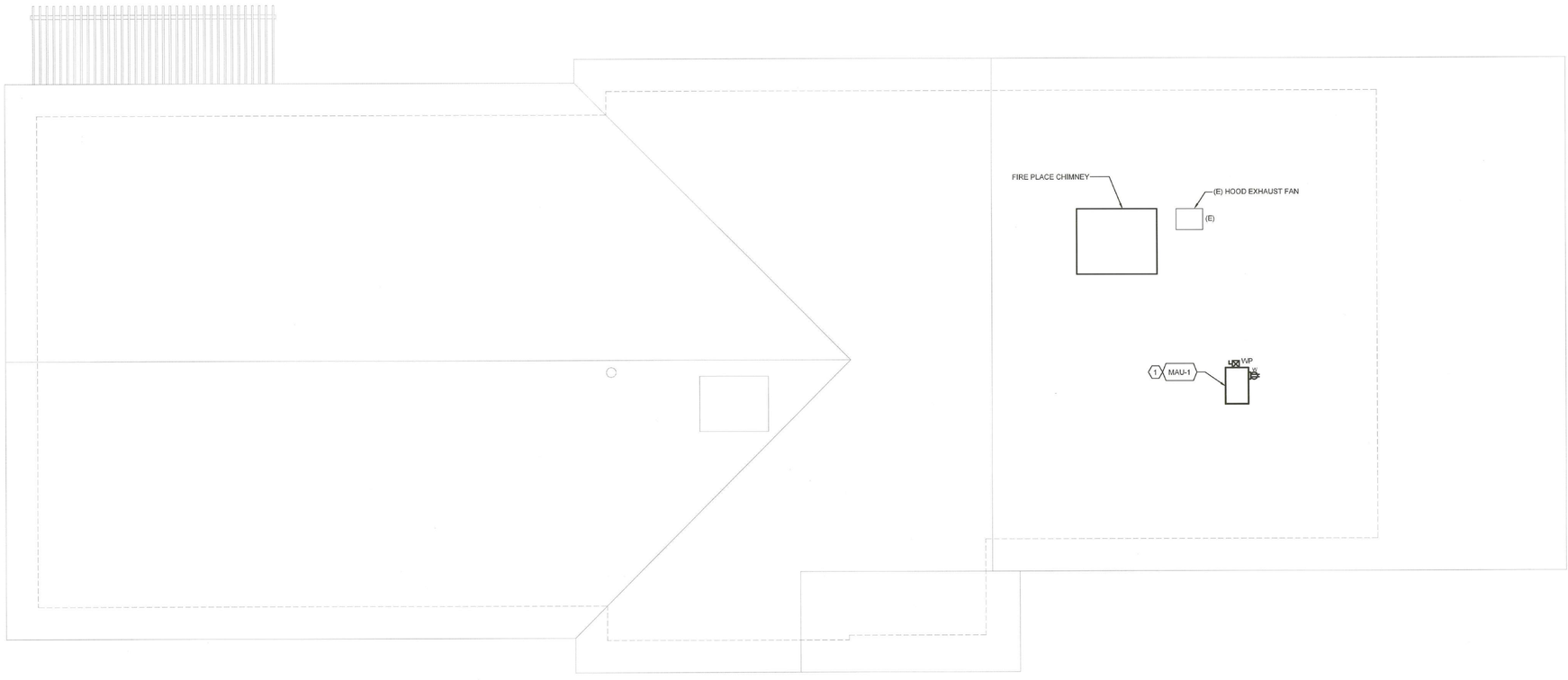
GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION.

SHEET KEYNOTES

1 INTERLOCKED WITH EXHAUST FAN EQUIPMENT. PROVIDE CONTROL WIRING AS REQUIRED.



1 ROOF PLAN - MAIN BUILDING - POWER

0 2' 4' 8'

SCALE: 1/4"=1'-0"

APPROVED PLAN
SEP 0 6 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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REVISION
SEP 0 6 2016
San Mateo County Building Inspection

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REGISTERED PROFESSIONAL ENGINEER JASON LAU No. E16805 ELECTRICAL STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

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1	CO #1	08.26.2016

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HGA NO: 3505-003-01

ROOF PLAN - POWER

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

E3.02

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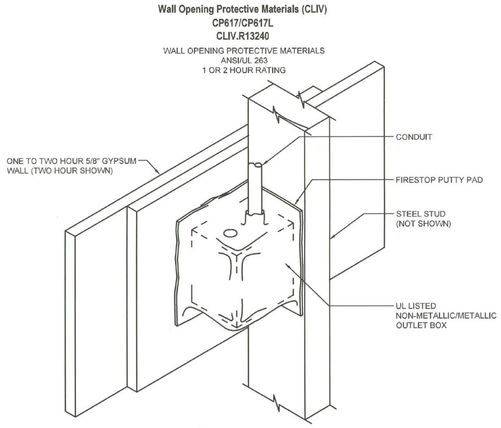
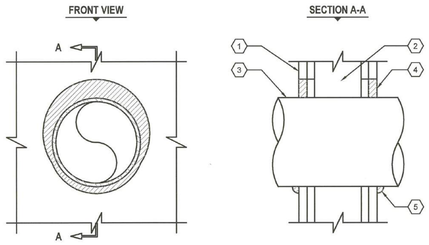


1 FIRESTOP PUTTY PAD DETAIL



UL/cUL SYSTEM NO. W-L-1054

METAL PIPE THROUGH GYPSUM WALL ASSEMBLY
F-RATING = 1 AND 2-HOUR
T-RATING = 0-HOUR
L-RATING AT AMBIENT = LESS THAN 1CFM/SQFT
L-RATING AT 400 DEGREES FAHRENHEIT = 4 CFM/SQFT

NOTES

1. MAXIMUM DIAMETER OF OPENING:
   A. 32-1/4" FOR STEEL STUD WALLS.
   B. 14-1/2" FOR WOOD STUD WALLS.
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 2-1/4".
3. PIPE MAY BE INSTALLED WITH CONTINUOUS POINT OF CONTACT.
4. PIPE MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45° FROM PERPENDICULAR.

SHEET KEYNOTES

1 GYPSUM WALL ASSEMBLY (UL/ULC CLASSIFIED U300 OR U400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).

2 STEEL STUDS TO BE MINIMUM 2-1/2" WIDE.

3 PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
   A. MAXIMUM 30" DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 30" DIAMETER CAST IRON PIPE.
   C. MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE.
   D. MAXIMUM 5" NOMINAL DIAMETER STEEL CONDUIT.
   E. MAXIMUM 4" NOMINAL DIAMETER EMT.

4 MINIMUM 5/8" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT.

5 MINIMUM 1/2" BEAD HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT AT POINT OF CONTACT.

6 CONCRETE WALL ASSEMBLY (1-HR. OR 2-HR. FIRE-RATING):
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MIN. 3-3/4" THICK, FOR 1-HR. FIRE- RATING).
   B. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MIN. 5" THICK, FOR 2-HR. FIRE-RATING).
   C. ANY UL/ULC CLASSIFIED CONCRETE BLOCK WALL.

7 PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
   A. MAXIMUM 4" DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 4" DIAMETER CAST IRON PIPE.
   C. MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE.
   D. MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT.
   E. MAXIMUM 4" NOMINAL DIAMETER EMT.

8 MINIMUM 5/8" DEPTH HILTI CP 606 FLEXIBLE FIRESTOP SEALANT.

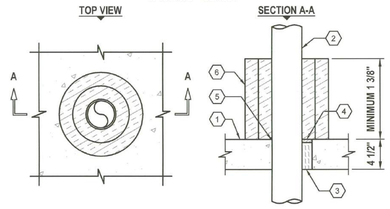
9 MINIMUM 1/2" BEAD HILTI CP 606 FLEXIBLE FIRESTOP SEALANT AT POINT OF CONTACT.

2 CONDUIT THROUGH WALL FIRESTOP ASSEMBLY DETAIL

UL/cUL SYSTEM NO. C-AJ-1610

METAL PIPE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL

F AND T-RATINGS = 2-HR.
L-RATING AT AMBIENT = LESS THAN 1 CFM/SQ. FT.
L-RATING AT 400°F = LESS THAN 1 CFM/SQ. FT.
W-RATING = CLASS I



NOTES:

1. MAXIMUM DIAMETER OF OPENING = 6".
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 1-1/2".
3. MINIMUM 1/2" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT OR HILTI CP 606 FLEXIBLE FIRESTOP SEALANT IS REQUIRED ON BOTH SIDES OF A WALL.
4. W-RATING ONLY APPLIED WHEN HILTI CP 604 SELF LEVELING FIRESTOP SEALANT IS USED.

DETAIL KEYNOTES

1 CONCRETE FLOOR OR WALL ASSEMBLY (2-HR FIRE-RATING):
A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR OR WALL (MINIMUM 4-1/2" THICK).
B. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL.

2 PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
A. MAXIMUM 4" NOMINAL DIAMETER STEEL PIPE (SCH 40 OR HEAVIER).
B. MAXIMUM 4" NOMINAL DIAMETER CAST OR DUCTILE IRON PIPE.
C. MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT.

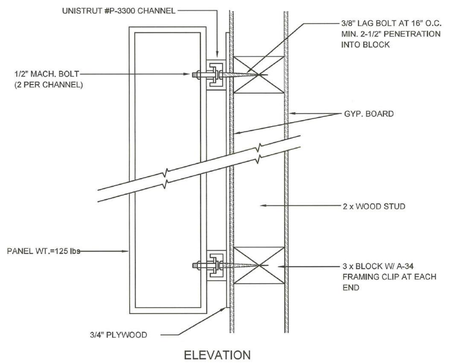
3 MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED AND RECESSED TO ACCOMMODATE SEALANT.

4 MINIMUM 1/2" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT, HILTI CP 606 FLEXIBLE FIRESTOP SEALANT, OR HILTI CP 604 SELF LEVELING FIRESTOP SEALANT.

5 MINIMUM 1/2" BEAD HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT OR HILTI CP 606 FLEXIBLE FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

6 TWO LAYERS OF NOMINAL 2" THICK FIBERGLASS DUCT WRAP (MIN. 1 PCF DENSITY) TIGHTLY WRAPPED AROUND PENETRANT AND TIGHTLY BUTTED TO TOP SURFACE OF FLOOR, OR BOTH SIDES OF WALL, AND EXTENDING MINIMUM 12" ABOVE FLOOR, OR PAST BOTH SIDES OF WALL. ALL LONGITUDINAL SEAMS OF BOTH LAYERS OF DUCT WRAP ARE TO BE SEALED WITH FOIL TAPE.

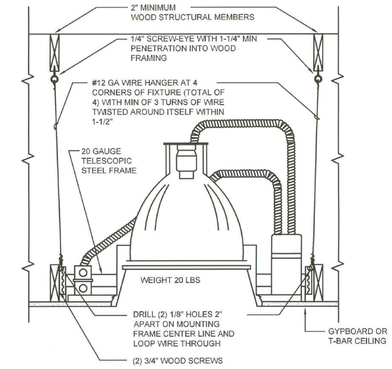
3 CONDUIT THROUGH FLOOR/CEILING FIRESTOP ASSEMBLY DETAIL



ELEVATION

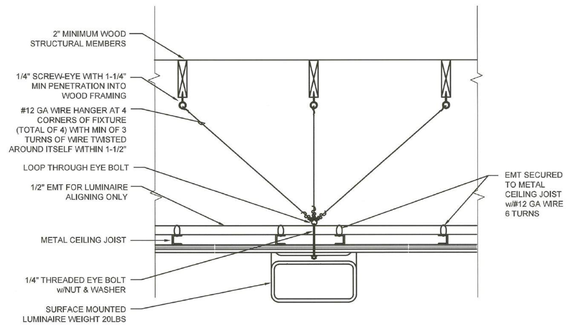
4 TYPICAL SURFACE PANEL - WOOD FRAME WALL MOUNTING DETAIL

NO SCALE



5 RECESSED DOWNLIGHT LUMINAIRE MOUNTING DETAIL

NO SCALE



6 SURFACE MOUNTED FLUORESCENT LUMINAIRE MOUNTING METHOD

NO SCALE

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JASON T. LO
No. E16806
REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
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SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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REVISION
SEP 06 2016
San Mateo County Building Inspection

HGA NO: 3505-003-01

DETAILS - ELECTRICAL

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

E4.01

CONSTRUCTION DOCUMENTS BID SET

PROJECT 2015-0429
CONTACT Roberto Simon
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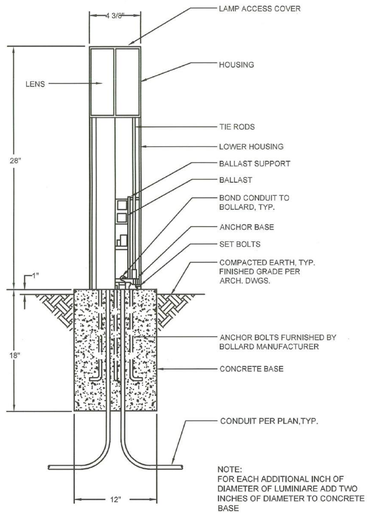
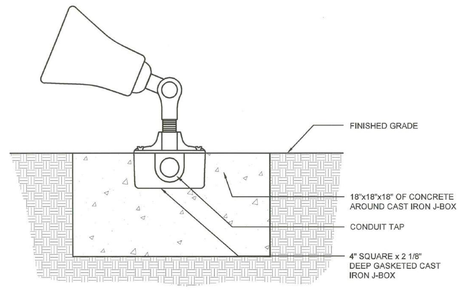


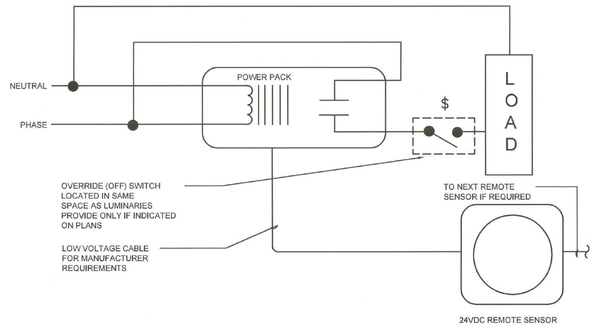
1 BOLLARD MOUNTING DETAIL

NOT TO SCALE



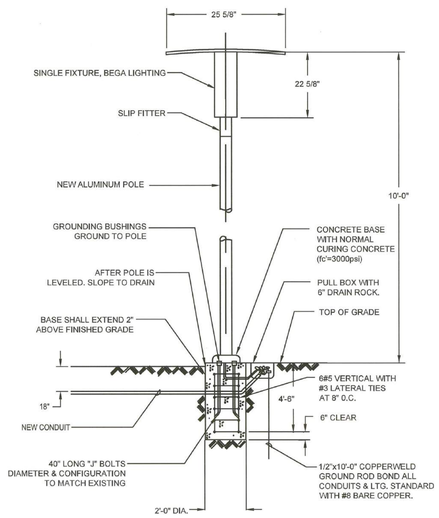
3 FLOOD LUMINAIRE MOUNTING DETAIL

NOT TO SCALE



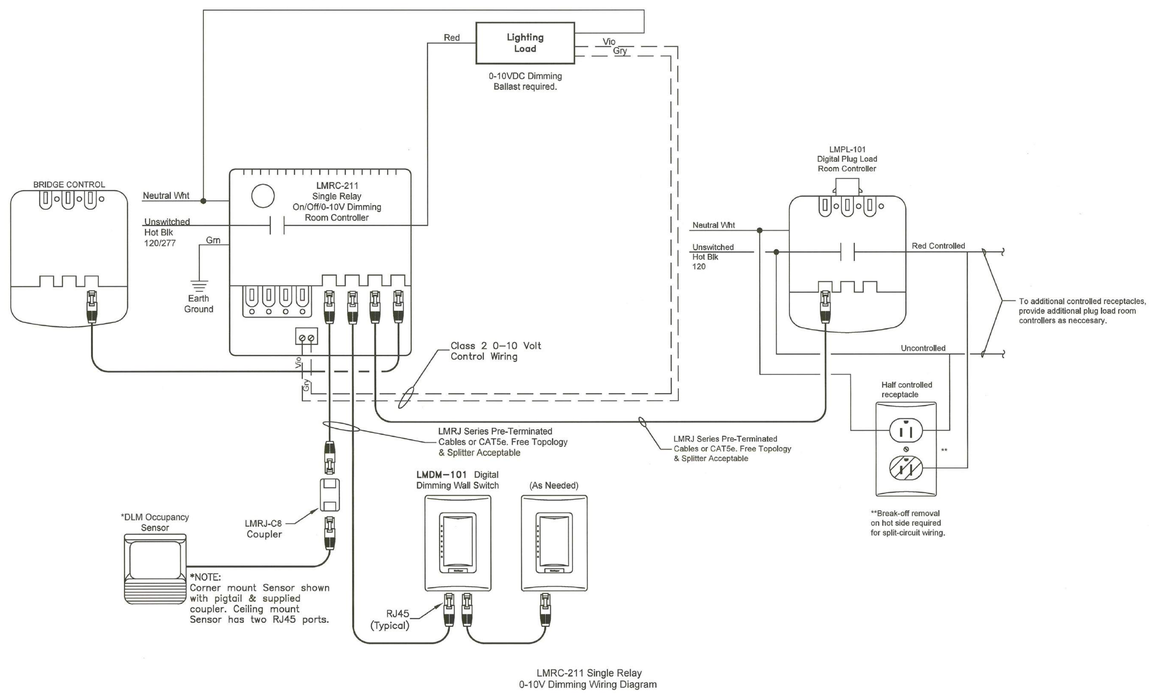
5 CEILING-MOUNTED OCCUPANCY SENSOR CONTROL DIAGRAM

NO SCALE



2 LIGHTING STANDARD AND BASE

NOT TO SCALE



LMRC-211 Single Relay
0-10V Dimming Wiring Diagram

4 ROOM/PLUG LOAD CONTROLLER

NOT TO SCALE

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REGISTERED PROFESSIONAL ENGINEER JASON LAU No. E19606 ELECTRICAL STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
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REGISTRATION NUMBER:

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NO.	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

DETAILS - ELECTRICAL

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

E4.02

CONSTRUCTION DOCUMENTS BID SET

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CONTACT Roberto Simon
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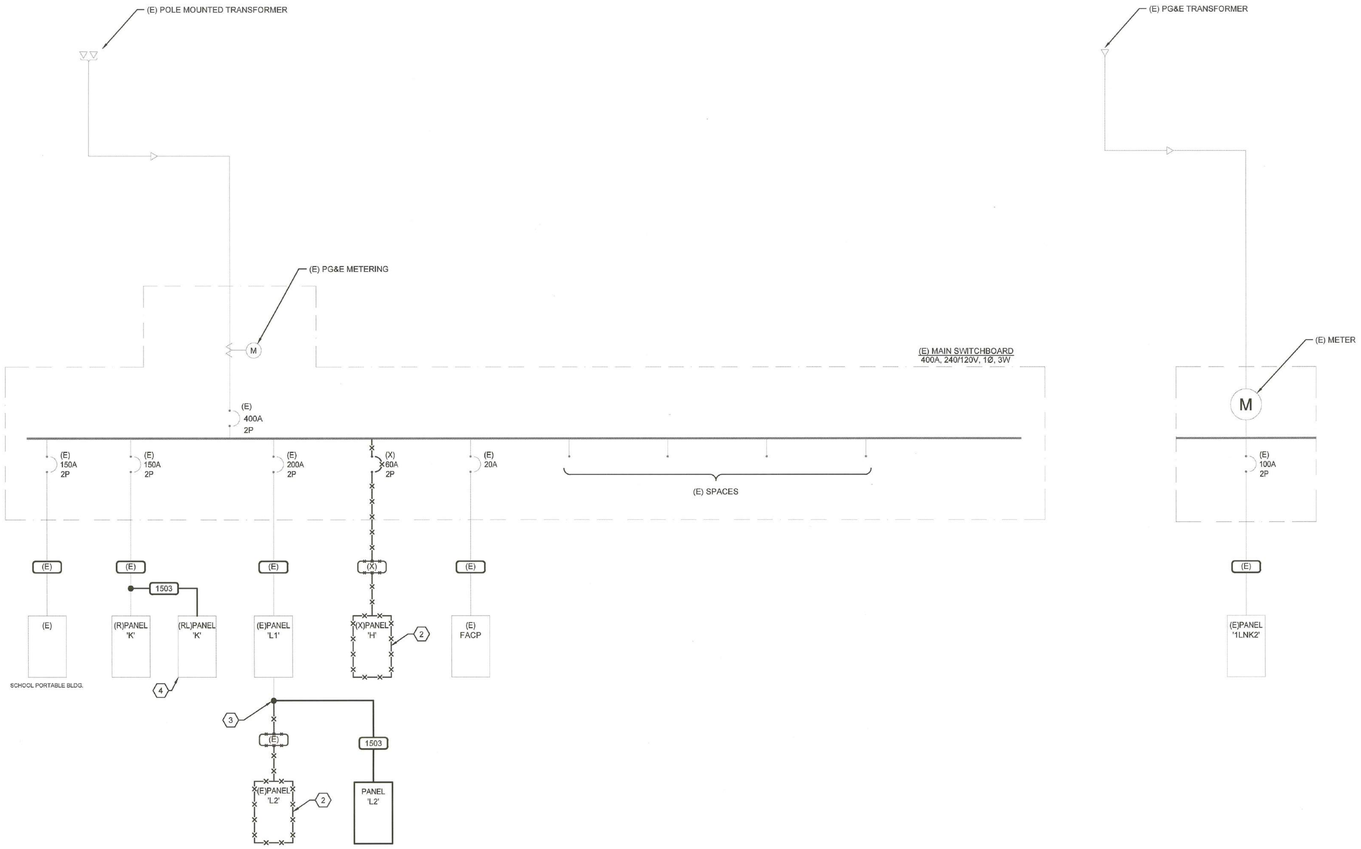
LINE TYPE LEGEND

———	NEW
———	EXISTING TO REMAIN
—x—x—x—	EXISTING TO BE REMOVED

FEEDER SCHEDULE

Key

A, C, S, X	A = Aluminum C = Conduit only S = Service secondary X = Separately derived system
453	3 #8 CU, 1 #10 CU GND., IN 1" C.
1253	3 #1 CU, 1 #6 CU GND., IN 1-1/4" C.
1503	3 #1/0 CU, 1 #6 CU GND., IN 1-1/2" C.



PARTIAL SINGLE LINE DIAGRAM - ELECTRICAL

NO SCALE

GENERAL SHEET NOTES

A. ALL EQUIPMENT SHOWN ARE EXISTING U.O.N.

SHEET KEYNOTES

1. PROVIDE NEW BREAKER IN EXISTING SPACE. MATCH MANUFACTURER TYPE AND AIC RATING.
2. DISCONNECT AND REMOVE (E) PANEL. PULL (E) FEEDER BACK TO SOURCE PANEL.
3. INTERCEPT AND EXTEND (E) FEEDER. PROVIDE (N) FEEDER CONDUCTOR TO (N) PANEL.
4. RELOCATE (E) PANEL 'K'. INTERCEPT AND EXTEND FEEDER CONDUCTOR TO (N) LOCATION.

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REGISTERED PROFESSIONAL ENGINEER JASON LAU No. E16606 ELECTRICAL STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO.	DESCRIPTION	DATE
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REVISION
SEP 06 2016
San Mateo County Building Inspection

HGA NO: 3505-003-01

SINGLE LINE DIAGRAM - ELECTRICAL

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

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PROJECT 2015-0429
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MECHANICAL EQUIPMENT CONNECTION SCHEDULE

ITEM	DESCRIPTION	LOCATION	VOLTS / PHASE	LOAD	MCA	MOCP	WIRE / CONDUIT	CIRCUIT	NOTES
CU-1	CONDENSING UNIT	MAIN BUILDING	208/1		35	60	402	K-2,4.	1
CU-2	CONDENSING UNIT	MAIN BUILDING	230/1		26	45	402	K-6,8.	1
CU-3	CONDENSING UNIT	ADMIN BUILDING	230/1		15	20	202	1LNK2-2,4.	1
FCU-1	FAN COIL UNIT	ADMIN BUILDING	208/1		4	15	202	1LNK2-6,8.	
FCU-2	FAN COIL UNIT	MAIN BUILDING	208/1	0.6 FLA		20	202		2
FCU-3	FAN COIL UNIT	MAIN BUILDING	208/1	0.6 FLA		20	202		2
EF-1	EXHAUST FAN	BATHROOM	120/1	14.9 W		15	202		3
EF-2	EXHAUST FAN	BATHROOM	120/1	43.7 W		15	202		3
EF-3	EXHAUST FAN	BATHROOM	120/1	31.8 W		15	202		3
EF-4	EXHAUST FAN	BATHROOM	120/1	111.4 W		15	202		3
MAU-1	MAKE UP AIR UNIT	KITCHEN	120/1	241.0 W		15	202	L2-11.	
F-1	FURNACE	MAIN BUILDING	120/1		13.8	20	202	K-22	
CP-1	CIRCULATION PUMP	BASEMENT	120/1	270.0 W		15	202	K-15.	
IWH-1	INSTANTENEOUS WATER HEATER	ADMIN BUILDING	240/1	7.2 KW		45	402	1LNK2-10,12.	
GWH-1	GAS WATER HEATER	BOILER	120/1					K-9.	
GBD-1	GARBAGE DISPOSAL	KITCHEN	120/1	0.8 HP		25	202	L2-8.	

GENERAL MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES

A. THE ABOVE INFORMATION IS FOR A SPECIFIC MANUFACTURER. ACTUAL MANUFACTURER FOR EQUIPMENT MAY BE DIFFERENT. COORDINATE WITH MECHANICAL EQUIPMENT SUBMITTALS FOR LOADS AND OVER CURRENT PROTECTION REQUIREMENTS PRIOR TO INSTALLATION OF WIRING.

B. MOCP = MAXIMUM OVER CURRENT PROTECTION
MCA = MINIMUM CIRCUIT AMPACITY

C. PROVIDE DISCONNECTING MEANS FOR EACH ITEM OF EQUIPMENT LISTED IN THE SCHEDULE ABOVE, EXCEPT AS SPECIFICALLY NOTED OTHERWISE IN SCHEDULE NOTES, BELOW.

MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES

1 PROVIDE HACR TYPE CIRCUIT BREAKER.
2 ASSOCIATED WITH CU-2.
3 CONNECTED TO ROOM LIGHTING CIRCUIT.

WIRE / CONDUIT SCHEDULE

202 2 #12 CU, 1 #12 CU GND., IN 3/4" C.
402 2 #8 CU, 1 #10 CU GND., IN 3/4" C.

Panel 'L2'

2015-0429

120/240V, 1Ph, 3W,; 225A Bus with 150A Main Circuit Breaker Surface Mounted Panelboard with a minimum Available Fault rating of 9849A RMS

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	RECEPT-LEVEL 1 MAIN BUILDING	1,080	R	20/1		A		20/1	1,080	R	RECEPT-LEVEL 1 MAIN BUILDING	2
3	RECEPT-LEVEL 1 MAIN BUILDING	900	R	20/1		C		20/1	1,080	R	RECEPT-LEVEL 1 MAIN BUILDING	4
5	RECEPT-LEVEL 1 MAIN BUILDING	900	R	20/1		A		20/1	900	R	RECEPT- KITCHEN	6
7	RECEPT-LEVEL 1 MAIN BUILDING	900	R	20/1		C		20/1	1,500	M	RECEPT- GARBAGE DISPOSER	8
9	RECEPT-LEVEL 1 MAIN BUILDING	1,080	R	20/1		A		20/1			SPARE	10
11	MAU-1 AT ROOF	800	M	20/1		C		20/1	200	R	RANGE GAS IGNITER	12
13	LIGHTING-LEVEL 1 MAIN BUILDING	1,350	L	20/1		A	1	20/1	900	R	RECEPT- REFRIGERATOR	14
15	LIGHTING-LEVEL 1 MAIN BUILDING	620	L	20/1		C	1	20/1	1,100	R	RECEPT- FREEZER	16
17	SECURITY DOOR LATCH	300	G	20/1		A		20/1	1,200	G	AUTOMATIC GATE OPENER	18
19	RECEP- MICROWAVE	1,200	G	20/1		C		20/1	1,000	G	GATE CARD KEY READER	20
21	RECEP-COFFEE STATION	1,500	G	20/1		A		20/1	600	G	LANDSCAPE CONTROLLER	22
23	RECEP- TOASTER	1,500	G	20/1		C		20/1	500	G	GATE CONTROLLER	24
25	UL EACR	600	G	20/1		A		20/1	200	G	SECURITY CAMERA	26
27	FIREPLACE GAS IGNITER	200	G	20/1		C		20/1	200	G	SECURITY CAMERA	28
29	SPARE			20/1		A		20/1			SPARE	30
31	SPARE			20/1		C		20/1			SPARE	32

Connected Load: Ph. A 11,690 VA 97 Amps — Panel Connected Load: 23.4 KVA 97.5 Amps; Sub-Fed Connected Load: 0.0 KVA 0.0 Amps; **Total Demand Load: 24.2 KVA 100.8 Amps**
Connected Load: Ph. C 11,700 VA 98 Amps
Accessories: Provide Fully Rated Breakers

Notes:
1. PROVIDE GFCI TYPE BREAKER.
2.
3.
4.
5.

(E)Panel '1LNK2'

2015-0429

120/240V, 1Ph, 3W,; 100A Bus with 100A Main Circuit Breaker Surface Mounted Panelboard

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	LIGHTING-LEVEL 1 ADMIN BUILDING	480	L	20/1		A		20/2	1,380	M	CU-3	2
3	RECEPT-LEVEL 1 ADMIN BUILDING	1,080	R	20/1		C		-	1,380	M	-	4
5	RECEPT-LEVEL 1 ADMIN BUILDING	1,080	R	20/1		A		20/2	1,560	M	FCU-1	6
7	SECURITY DOOR LATCH	200	G	20/1		C		-	1,560	M	-	8
9	SOUND MASKING CONTROLLER	600	G	20/1		A		40/2	3,600	M	IWH-1	10
11	SPACE			20/1		C		-		M	-	12

Connected Load: Ph. A 8,700 VA 73 Amps — Panel Connected Load: 12.9 KVA 53.8 Amps; Sub-Fed Connected Load: 0.0 KVA 0.0 Amps; **Total Demand Load: 13.9 KVA 58.1 Amps**
Connected Load: Ph. C 4,220 VA 35 Amps
Accessories: Provide Feed-Thru Lugs

Notes:
1.
2.
3.
4.
5.

(E) Sub-Panel 'L1'

2015-0429

120/240V, 1Ph, 3W,; 225A Bus with 90A Main Circuit Breaker Surface Mounted Panelboard

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	LIGHTING-BASEMENT	530	L	20/1	2	A	2	20/1	500	R	RECEP- LAUNDRY/FURNACE	2
3	RECEP- ACTIVITY ROOM	720	R	20/1	2	C	2	20/1	540	R	RECEP- FURNACE/STORAGE	4
5	RECEP- ACTIVITY ROOM/HALL	720	R	20/1	2	A	2	20/1	540	R	RECEP- OUTSIDE WP	6
7	WASHER	1,200	G	20/1	2	C	2	20/1	200	G	GAS IGNITER	8
9	WASHER	1,200	G	20/1	2	A	2	20/1			SPARE	10
11	SPARE			20/1	1	C	1	20/1			SPARE	12
13	SPARE			20/1		A		20/1			SPARE	14

Connected Load: Ph. A 3,490 VA 29 Amps — Panel Connected Load: 6.2 KVA 25.8 Amps; Sub-Fed Connected Load: 0.0 KVA 0.0 Amps; **Total Demand Load: 6.3 KVA 26.2 Amps**
Connected Load: Ph. C 2,690 VA 22 Amps
Accessories: Provide Fully Rated Breakers

Notes:
1. Provide new breaker match existing panelboard ratings.
2. Use existing circuit breaker
3.
4.
5.

(E)Panel 'L1'

2015-0429

120/240V, 1Ph, 3W,; 225A Bus with Main Lug Only Surface Mounted Panelboard

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	(E) Main- Ckt 1 to 14	8,490	G	90/2	1	A					SPACE	2
3	-	7,490	G	-		C					SPACE	4
5	Panel L2	11,690		150/2	1	A					SPACE	6
7	-	11,700		-		C					SPACE	8
9	SPACE					A					SPACE	10
11	SPACE					C					SPACE	12
13	SPACE					A					SPACE	14
15	SPACE					C					SPACE	16

Connected Load: Ph. A 20,180 VA 168 Amps — Panel Connected Load: 16.0 KVA 66.5 Amps; Sub-Fed Connected Load: 0.0 KVA 0.0 Amps; **Total Demand Load: 16.0 KVA 66.5 Amps**
Connected Load: Ph. C 19,180 VA 160 Amps
Accessories: Provide Fully Rated Breakers

Notes:
1. Existing circuit breaker
2.
3.
4.
5.

(E)Panel 'K'

2015-0429

120/240V, 1Ph, 3W,; 225A Bus with 200A Main Circuit Breaker Surface Mounted Panelboard

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	RECEPT-MAIN BUILDING	1,080	R	20/1	1	A	2	60/2	3,220	M	CU-1	2
3	RECEPT-MAIN BUILDING	1,080	R	20/1	1	C		-	3,220	M	-	4
5	SPARE			20/1	2	A	2	45/2	2,350	M	CU-2, FCU-2/FCU-3	6
7	SPARE			20/1	2	C		-	2,350	M	-	8
9	GWH-1	1,800	R	20/1	2	A		30/2			SPARE	10
11	WHEELCHAIR LIFT	1,200	G	30/2	2	C		-			-	12
13	-	1,200	G	-		A	2	40/2	3,507	K	DISWASHER	14
15	CP-1	300	M	20/1	2	C		-	3,507	K	-	16
17	LIGHTING-SITE	700	L	20/1	2	A	2	20/1			SPARE	18
19	LIGHTING-SITE	550	L	20/1	2	C		20/1			SPARE	20
21	SECURITY	200	G	20/1	2	A	2	20/1	1,200	H	F-1	22
23	SPARE			20/1	2	C	2	20/1	1,200	H	F-2	24
25	SPARE			20/1	2	A		20/1			SPARE	26
27	SPARE			20/1	2	C		20/1			SPARE	28
29	SPARE			20/1	2	A		20/1			SPARE	30
31	SPARE			20/1	2	C		20/1			SPARE	32
33	SPARE			20/1	2	A		20/1			SPARE	34
35	SPARE			20/1	2	C		20/1			SPARE	36
37	SPARE			20/2	2	A		20/2			SPARE	38
39	-			-		C		-			-	40
41	SPACE					A					SPACE	42

Connected Load: Ph. A 15,257 VA 127 Amps — Panel Connected Load: 28.7 KVA 119.4 Amps; Sub-Fed Connected Load: 0.0 KVA 0.0 Amps; **Total Demand Load: 30.6 KVA 127.4 Amps**
Connected Load: Ph. C 13,407 VA 112 Amps
Accessories: Provide Fully Rated Breakers

Notes:
1. Existing circuit breaker
2. Provide new breaker in existing space to match existing panelboard ratings.
3.
4.
5.

Lighting Control Panel LCP

In NEMA 1 enclosure and Surface Mounted

Relay #	Circuit	Description	Control	Notes
1	K-17	PARKING LOTS	TC, PC, MS	
2	K-19	SITE LIGHTING	TC, PC, MS	
3	K-21	SITE LIGHTING	TC, PC, MS	
4		SPARE		
5		SPARE		
6		SPARE		
7		SPARE		
8		SPARE		
9				
10				

Inputs: PC, BAS/BMS

Abbreviations:
TC Timeclock
PC Photocell
MS Manual override switch
SS Security System
BAS/BMS Building Automation System/Building Management System

Control Zones:
Zone 1: Circuit K-17, 19, 21
Zone 2:
Zone 3:
Zone 4:

2015-0429

General LCP Notes:
1. FINAL TIME SCHEDULE OF OPERATIONS SHALL BE COORDINATED WITH OWNER.
2. MANUAL OVERRIDE SWITCHES SET TO 2 HOURS.
3. RELAYS ARE SHOWN ON THIS SCHEDULE TO PROVIDE LIGHTING CONTROL SCHEME. COORDINATE WITH MANUFACTURER FOR RECONFIGURATION OF RELAYS WITHIN PANEL TO MINIMIZE WIRING.
4. PROVIDE PANEL DIRECTORY WITH RELAY NUMBERS AND CORRESPONDING DESCRIPTIONS UPON COMPLETION OF WORK.
5. TIE INTO BMS SYSTEM. PROVIDE ALL THE NECESSARY WIRING FOR AN OPERATIONAL SYSTEM.

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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TO REMAIN ON SITE AT ALL TIMES

REVISION
SEP 06 2016
San Mateo County Building Inspection

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SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

COUNTY OF SAN MATEO FOUNDED 1856

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER JASON LEE No. E16806 ELECTRICAL STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

PANEL SCHEDULES - ELECTRICAL

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

E5.02

CONSTRUCTION DOCUMENTS BID SET

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GENERAL SHEET NOTES

A. EXTEND WIRING AS REQUIRED AND MAINTAIN CIRCUIT CONTINUITY FOR ALL EXISTING ITEMS TO REMAIN BUT AFFECTED BY DEMOLITION WORK.

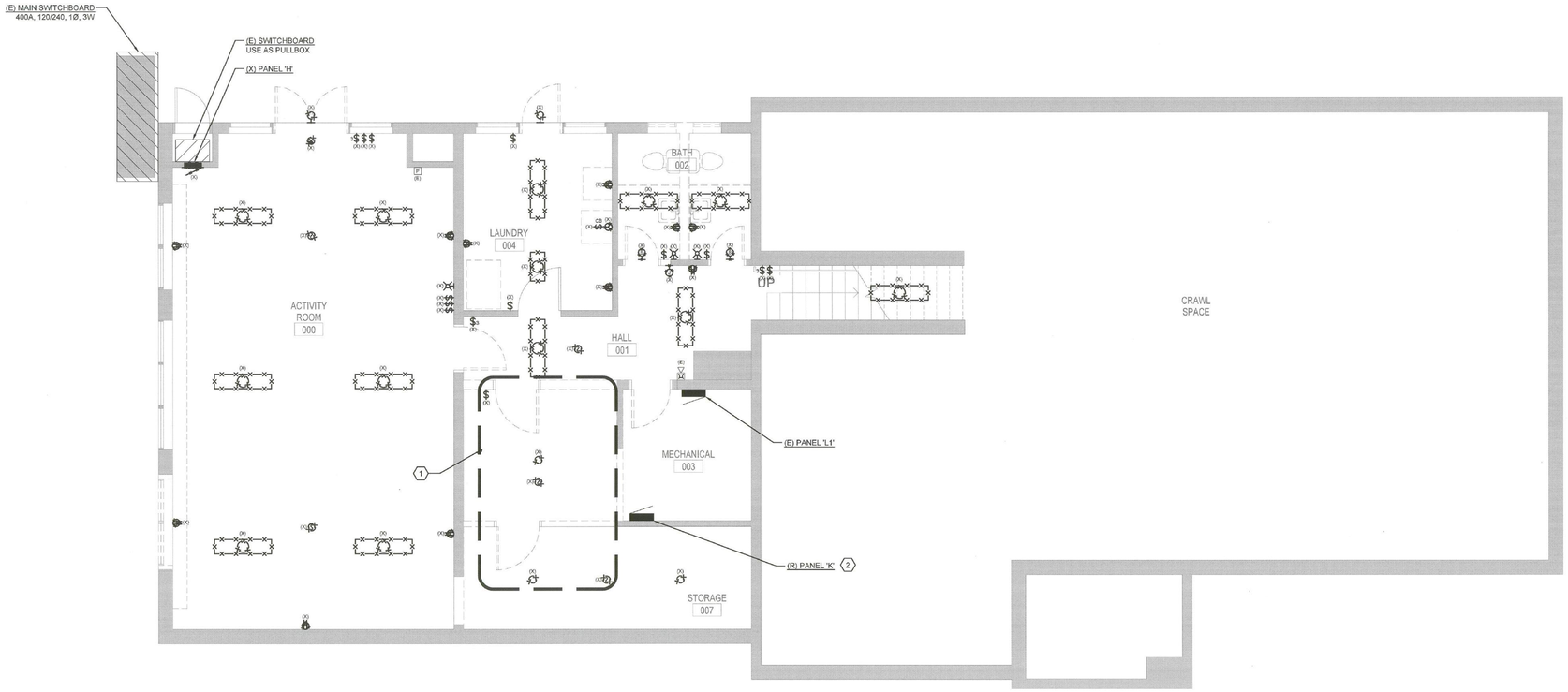
B. FIELD VERIFY ACTUAL SITE CONDITION PRIOR TO PROCUREMENT OF MATERIALS AND BEFORE COMMENCING WORK.

C. REMOVE EQUIPMENT ELECTRICAL CONNECTIONS AND APPURTENANCES AS REQUIRED PER DEMOLITION PLANS EVEN FOR EQUIPMENT SHOWN ON OTHER TRADES.

SHEET KEYNOTES

1 RELOCATE ANY (E) UNDERGROUND FEEDER AND CIRCUIT BRANCH WITHIN THE AREA OF INSTALLATION OF (N) PAD. INTERCEPT (E) FEEDER/BRANCH AND EXTEND WITHIN (N) WIRING TO MATCH (E) AS REQUIRED.

2 DISCONNECT AND RELOCATE (E) PANEL.



1 DEMOLITION PLAN - BASEMENT - ELECTRICAL

0 2' 4' 8'

SCALE: 1/4"=1'-0"

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NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

DEMOLITION PLAN - BASEMENT - ELECTRICAL

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

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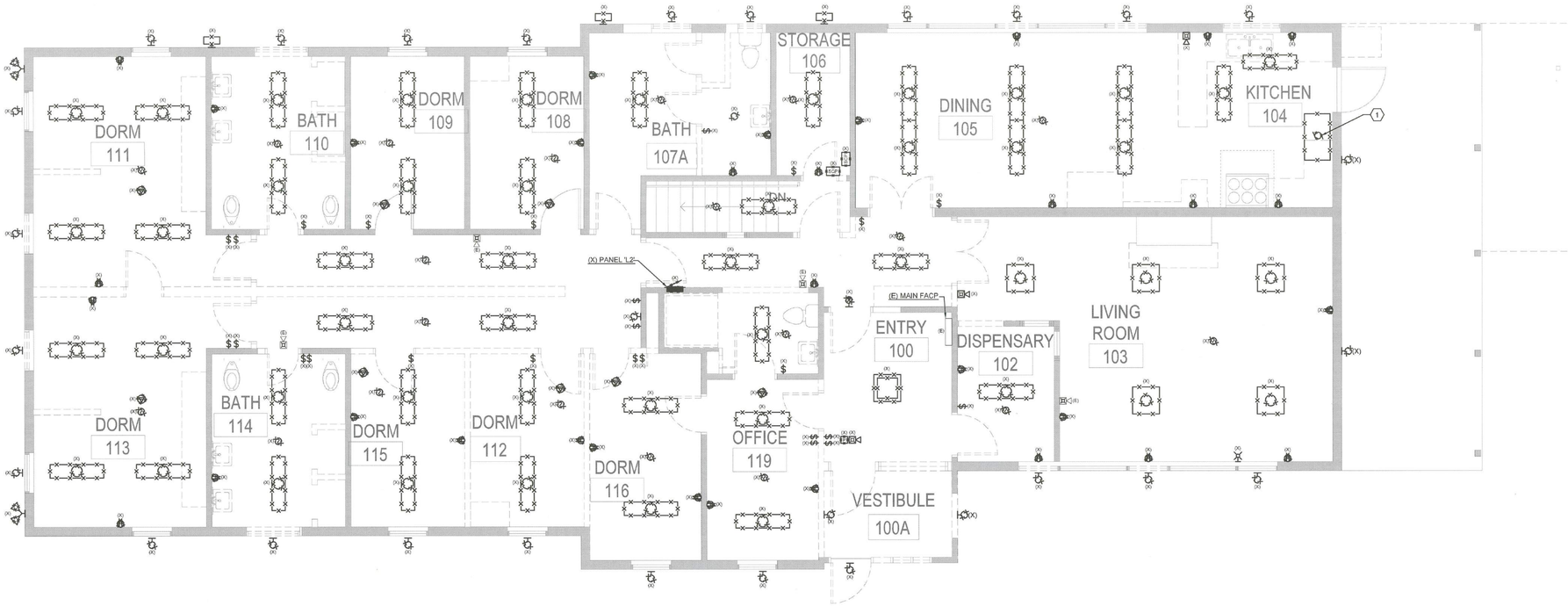
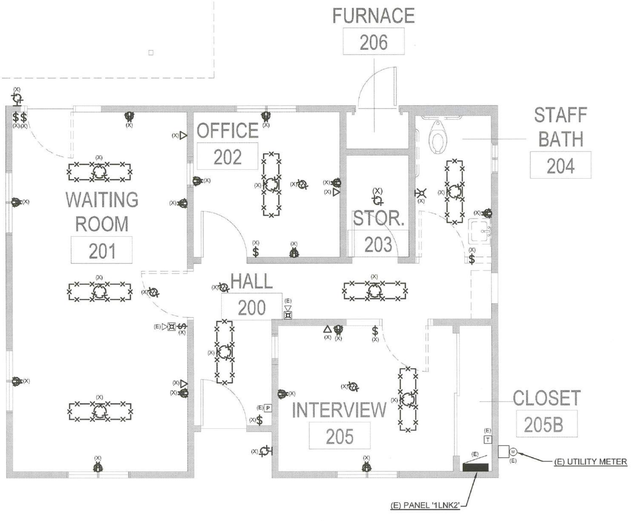


1 DEMOLITION PLAN - LEVEL 1 - MAIN BUILDING - ELECTRICAL

0 2' 4' 8'

SCALE: 1/4"=1'-0"



2 DEMOLITION PLAN - LEVEL 1 - ADMIN BUILDING - ELECTRICAL

0 2' 4' 8'

SCALE: 1/4"=1'-0"

GENERAL SHEET NOTES

A. EXTEND WIRING AS REQUIRED AND MAINTAIN CIRCUIT CONTINUITY FOR ALL EXISTING ITEMS TO REMAIN BUT AFFECTED BY DEMOLITION WORK.

B. FIELD VERIFY ACTUAL SITE CONDITION PRIOR TO PROCUREMENT OF MATERIALS AND BEFORE COMMENCING WORK.

C. REMOVE EQUIPMENT ELECTRICAL CONNECTIONS AND APPURTENANCES AS REQUIRED PER DEMOLITION PLANS EVEN FOR EQUIPMENT SHOWN ON OTHER TRADES.

SHEET KEYNOTES

1 DISCONNECT AND REMOVED (E) WIRING CONNECTION FOR MAKE-UP UNIT ON ROOF BACK TO SOURCE PANEL.

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1	CO #1	08.26.2016

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HGA NO: 3505-003-01

DEMOLITION PLAN - LEVEL 1 - ELECTRICAL

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

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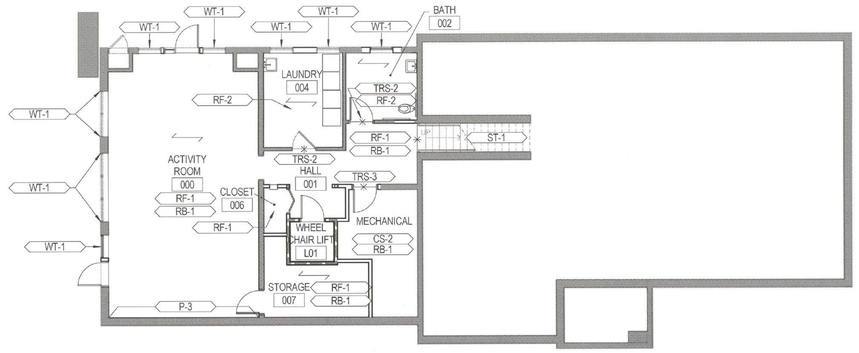
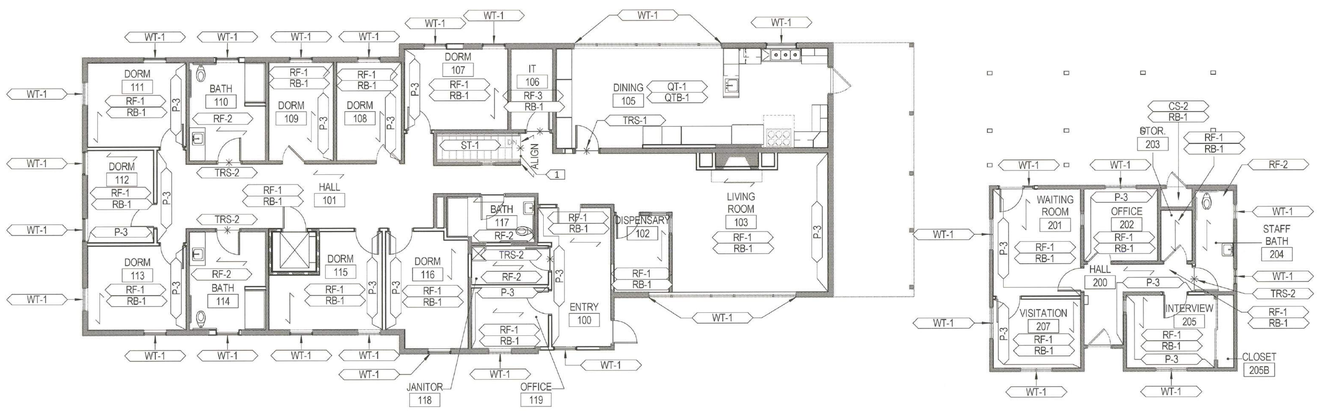


2 FINISH PLAN - BASEMENT
1/8" = 1'-0"



1 FINISH PLAN - LEVEL 1
1/8" = 1'-0"

FINISH LEGEND

SPEC SECTION 031500 CS CONCRETE FLOOR SEALER

CS-1 NOT USED

CS-2 MANUFACTURER: POLYSEAL WB. CHEMMASTERS OR APPROVED EQUAL
FINISH: CLEAR
TYPE: N/A
NOTE: WATER BASED

SPEC SECTION 099000 PT PAINT

PT-1 MANUFACTURER: DUNN EDWARDS OR APPROVED EQUAL
COLOR #/NAME: DEW340 WHISPER
FINISH: EGGSHELL
TYPE: SPARTAZERO
NOTE: TYPICAL, U.O.N.

PT-2 MANUFACTURER: DUNN EDWARDS OR APPROVED EQUAL
COLOR #/NAME: DEW340 WHISPER
FINISH: SEMI-GLOSS
TYPE: SPARTAZERO
NOTE: DINING, KITCHEN, AND TOILETS ROOM ONLY (INCLUDING CEILING)

PT-3 MANUFACTURER: DUNN EDWARDS OR APPROVED EQUAL
COLOR #/NAME: DE6212 CRISP MUSLIN
FINISH: EGGSHELL
TYPE: SPARTAZERO
NOTE: ACCENT PAINT

SPEC SECTION 096500 RB RESILIENT BASE

RB-1 MANUFACTURER: JOHNSONITE OR APPROVED EQUAL
STYLE: COVED BASE, RUBBER
COLOR #/NAME: 08 ICICLE, TP (TYPE)
SIZE: 4"H
THICKNESS: 1/8"
NOTE: COIL SECTIONS

SPEC SECTION 096500 RF RESILIENT FLOORING

RF-1 MANUFACTURER: JOHNSONITE OR APPROVED EQUAL
COLOR #/NAME: EASTERN ELM, GINGER,
ID FREEDOM COLLECTION
WIDTH: 4" X 36", PLANK
THICKNESS: .125"
FLOOR PATTERN: INSTALL PLANKS IN SAME DIRECTION AS NOTED, IN A RANDOM PATTERN/ LENGTHS AND OFFSET PLANK END JOINTS BY 6" AT MINIMUM

RF-2 MANUFACTURER: MANNINGTON OR APPROVED EQUAL
COLOR #/NAME: PARADIGM COLLECTION,
PAR300, FLOW BASIS
WIDTH: 12' ROLL GOOD
THICKNESS: .080"
NOTE: 6" H INTEGRAL COVE BASE, WELDED SEAMS.
WELDED ROD COLOR: MATCH TO FIELD COLOR

RF-3 MANUFACTURER: MANNINGTON OR APPROVED EQUAL
COLOR #/NAME: PARADIGM COLLECTION,
PAR300, FLOW BASIS
WIDTH: 12' ROLL GOOD
THICKNESS: .080"
LOCATION: IT ROOM

SPEC SECTION 096500 ST STAIR TREAD

ST-1 MANUFACTURER: NORA SYSTEMS OR APPROVED EQUAL
PATTERN: NORAMENT STAIRTREADS
COLOR #/NAME: 5102, GRUS, NORAMENT SATURA STAIRTREADS
THICKNESS: 2"/5mm
Note: CONTRASTING STRIPE SHALL COMPLY WITH CBC CH.11B

SPEC SECTION 093000 QT QUARRY TILE

QT-1 MANUFACTURER: DAL TILE, QUARRY TILE OR APPROVED EQUAL
COLOR #/NAME: Q42, ARID GRAY
SIZE: 6X6
THICKNESS: 1/2"
GROUT SIZE: 3/8"
GROUT COLOR: LATICRETE 56 DESERT KHAKI

QTB QUARRY TILE BASE

QTB-1 MANUFACTURER: DAL TILE, QUARRY TILE OR APPROVED EQUAL
COLOR #/NAME: Q-3565, ARID GRAY
SIZE: 5"H X 6"
THICKNESS: 1/2"
GROUT SIZE: 3/8"
GROUT COLOR: LATICRETE 56 DESERT KHAKI
LOCATION: KITCHEN AND DINING AREA ONLY

SPEC SECTION 096500 093000 TRS TRANSITION STRIP

TRS-1 RESILIENT TO QUARRY TILE
MANUFACTURER: N/A
NAME: N/A
NOTE: SEE SHEET A430

TRS-2 RESILIENT TO RESILIENT
MANUFACTURER: JOHNSONITE TARKETT OR APPROVED EQUAL
NAME: SLIM LINE TRANSITION
MODEL NUMBER: SLT-11B

TRS-3 RESILIENT TO CONCRETE
MANUFACTURER: JOHNSONITE TARKETT OR APPROVED EQUAL
NAME: REDUCER
MODEL NUMBER: SSR-47-B

SPEC SECTION 122413 WT WINDOW TREATMENT

WT-1 MANUFACTURER: SELECT BLINDS OR APPROVED EQUAL
COLOR/NAME: SAFARI, 1/2" PREMIER DOUBLE CELL OR APPROVED EQUAL
SIZE: V.I.F.

SPEC SECTION 064000 ARCHITECTURAL WOODWORK

SG-1 PNLG-1 STAIN GRADE WOOD
NOTE: TO MATCH FORMICA 8844-WR AGED ASH

SS-1 SOLID SURFACE
MANUFACTURER: SILESTONE BY COSENTINO OR ARROVED EQUAL
COLOR#/NAME: BLANCO NORTE

GENERAL NOTES - FINISH PLAN

A. ALL NEW AND EXISTING WALLS TO RECEIVE PT-1, U.O.N.
B. ALL NEW AND EXISTING CEILINGS TO RECEIVE PT-1, U.O.N.
C. PROVIDE TRANSITION STRIPS WHERE FLOOR MATERIAL LEVEL CHANGES OR FLOOR MATERIAL CHANGES OCCURS. SEE SHEET A430 FOR FLOORING TRANSITION DETAILS.
D. CENTER THE TRANSITION OF THE FLOOR MATERIALS OCCURRING IN DOOR OPENINGS IN CENTER OF THE DOOR IN THE CLOSED POSITION, U.O.N.
E. WINDOW TREATMENT AT WINDOWS THROUGHOUT BUILDING, U.O.N.
F. FLOORING TRANSITION DETAIL. SEE SHEET A430.

KEYNOTES - FLOOR FINISH PLAN

#	DESCRIPTION
1	FLOORING MATERIAL SHALL BE AT SAME HORIZONTAL PLANE. SEAMS SHALL BE PRECISE AND PROVIDE HAIRLINE JOINT LINES BETWEEN 2 FLOORING MATERIALS.

FINISH SYMBOLS LEGEND

XX-1 / XX-1 — FLOORING TYPE / WALL BASE TYPE
P-X — WALL FINISH TYPE
FLOOR FINISH TRANSITION
DIRECTION OF FLOOR MATERIAL

APPROVED PLAN SEP 30 2016 BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

REVISION SEP 06 2016 San Mateo County Building Inspection

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170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

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SACRAMENTO, CA 95811
916.787.5100

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MILL VALLEY CA 94941
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SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

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LICENSED ARCHITECT KEVIN M. DAY C-27256 4/30/2017 Renewal Date STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

FINISH PLAN

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A200

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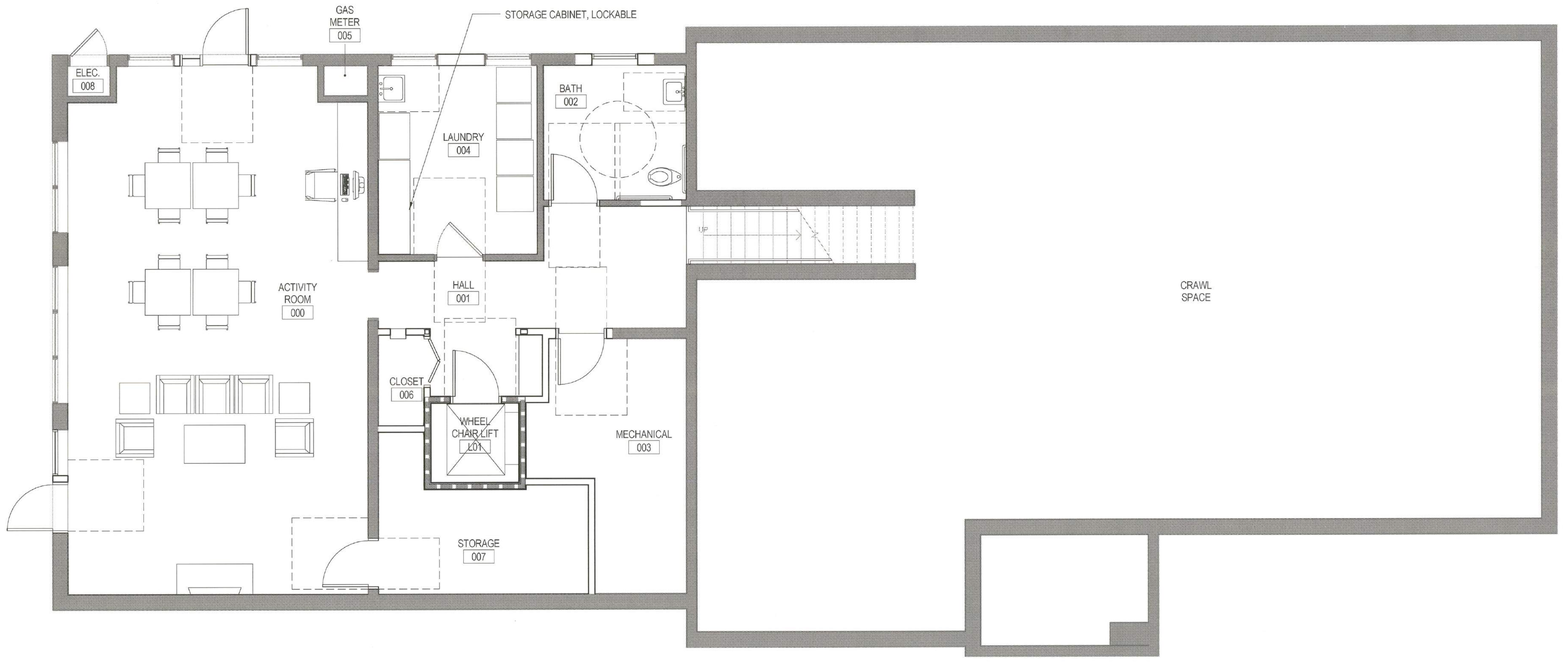
EQUIPMENT ANCHORAGE SCHEDULE

ROOM NO.	ROOM NAME	EQUIP ID	QTY	LONG EQUIP NAME	SHORT EQUIP NAME	NEW	CUT SHEET	MANUF	MODEL	H	D	L	WT	ELECTRICAL				RESTRAINT	COMMENTS
														VOLT	AMPS	WATTS	HP		
105	DINING	FZ-01	1	Reach-In Solid Swing Door -10 Degree Freezer	Freezer	Yes	Yes	True Food Service Equipment, Inc.	T-72F	6' - 6 3/8"	2' - 5 1/2"	6' - 6 1/8"	635 Unloaded	115	12		1	OPERATOR TO PROVIDE SEISMIC RESTRAINT	
105	DINING	RF-01	1	Existing Refrigerator	Refrigerator	No	No			6' - 4"	2' - 7 3/4"	4' - 1 3/4"						OPERATOR TO PROVIDE SEISMIC RESTRAINT	COORDINATE WITH EXISTING EQUIPMENT / RELOCATE AND REUSE

GENERAL NOTES - FURNITURE AND EQUIPMENT PLAN

A. READING LIGHT FIXTURE MOUNTING HEIGHT. SEE MOUNTING SHEET A600.
B. READING LIGHT FIXTURE TYPE. SEE SHEET E2.01. LUMINAIRE SCHEDULE, SHEET E0.02.



1 FURNITURE PLAN - BASEMENT
1/4" = 1'-0"

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COUNTY OF SAN MATEO FOUNDED 1856

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LICENSED ARCHITECT KEVIN M. DAY C-27256 4-30-2017 Renewal Date STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27256

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

APPROVED PLAN SEP 30 2016 BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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HGA NO: 3505-003-01

FURNITURE AND EQUIPMENT PLAN - BASEMENT

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

A400

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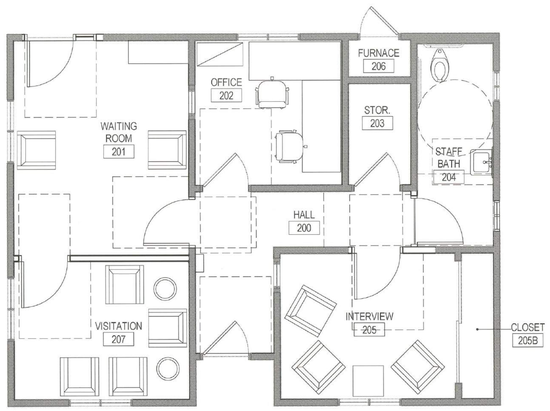
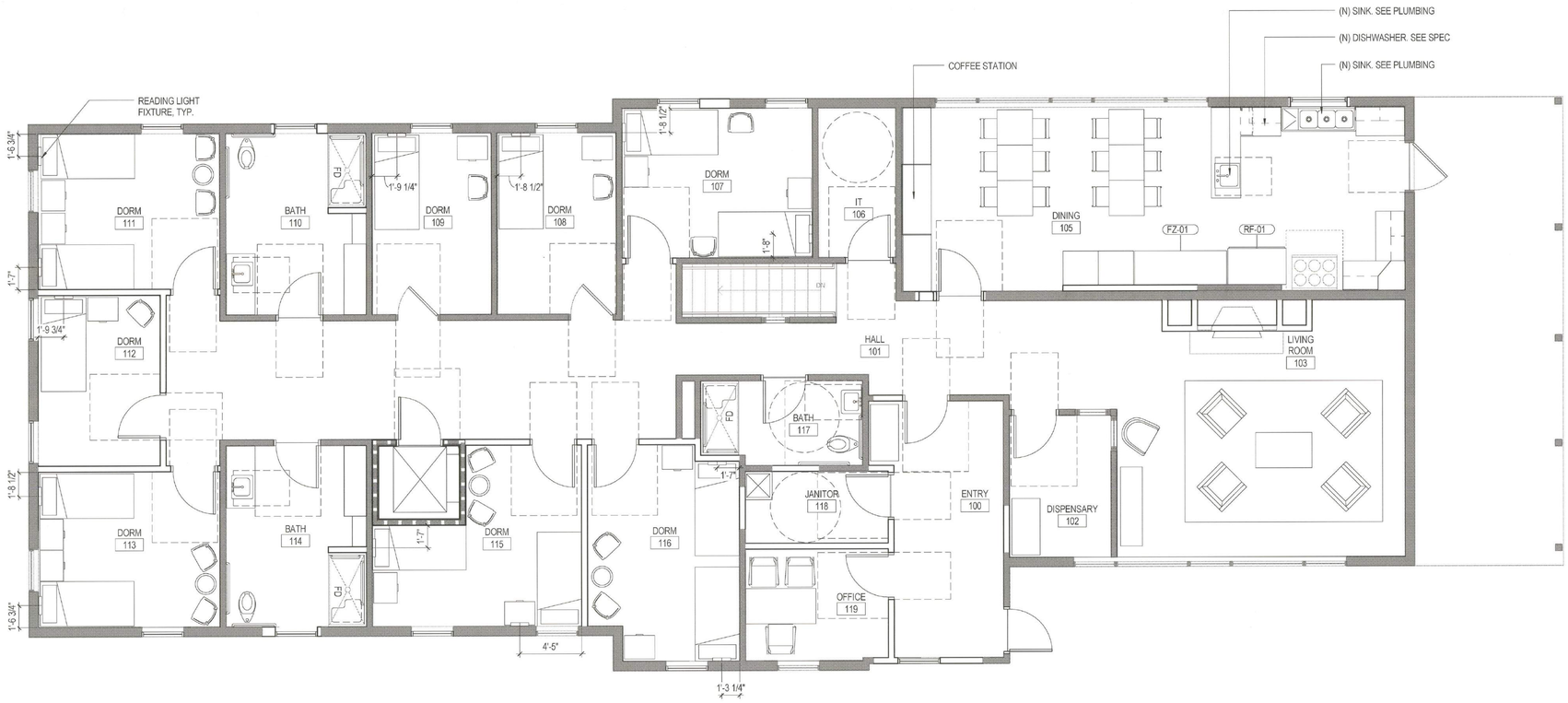
GENERAL NOTES - FURNITURE AND EQUIPMENT PLAN

A. READING LIGHT FIXTURE MOUNTING HEIGHT. SEE MOUNTING SHEET A600.
B. READING LIGHT FIXTURE TYPE. SEE SHEET E2.01. LUMINAIRE SCHEDULE, SHEET E0.02.



2 FURNITURE PLAN - LEVEL 1 ADIMINISTRATION BUILDING
1/4" = 1'-0"



1 FURNITURE PLAN - LEVEL 1 MAIN BUILDING
1/4" = 1'-0"

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LICENSED ARCHITECT KEVIN M. DAY C-27356 Registered Date 4-30-2017 STATE OF CALIFORNIA

NAME: KEVIN DAY
DATE: AUGUST 26, 2016
REGISTRATION NUMBER: C-27356

NO	DESCRIPTION	DATE

APPROVED PLAN
SEP 30 2016
BY San Mateo County Building Inspection Division

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ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

FURNITURE AND EQUIPMENT PLAN - LEVEL 1

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

I401

REVISION
SEP 06 2016
San Mateo County Building Inspection

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GENERAL NOTES

1. THE DRAWINGS AND SPECIFICATIONS DESCRIBE THE QUALITY AND CHARACTER OF THE MATERIALS, SHAPE AND CONFIGURATION OF IMPROVEMENTS AND THE GENERAL DESIGN INTENT OF THE COMPLETED, INSTALLED WORK OF THIS SPECIFIC PROJECT AND ONLY THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION COORDINATION, EQUIPMENT, METHODS, AND MATERIALS REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE PROJECT, WHETHER OR NOT MENTIONED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS. THIS INCLUDES BUT IS NOT LIMITED TO THE QUALITY OF WORKMANSHIP AND MATERIALS REQUIRED FOR EXECUTION OF THESE DOCUMENTS AND WORK OR MATERIALS SUPPLIED BY ANY SUBCONTRACTORS. ALL WORK SHALL COMPLY WITH GOVERNING CODES AND ORDINANCES. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND UNDERSTANDING ALL DOCUMENTS AND EXISTING FIELD CONDITIONS AS NECESSARY PRIOR TO BIDDING ON THE PROJECT, AND SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY DISCREPANCIES IN THE DRAWINGS, FIELD CONDITIONS OR DIMENSIONS.

2. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.

3. CONTRACTOR SHALL PROTECT EXISTING FACILITIES FROM DAMAGE. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED IN KIND AT NO ADDITIONAL COST TO THE OWNER. BARRICADES, SIGNS, LIGHTS, ETC., REQUIRED FOR THE PROTECTION OF PUBLIC, PERSONNEL, PROPERTY AND MATERIAL SHALL BE PROVIDED FOR AND MAINTAINED DURING CONSTRUCTION BY THE CONTRACTOR, AND SHALL CONFORM TO ALL GOVERNING CODES, ORDINANCES AND REGULATIONS.

4. CONTRACTOR SHALL PROVIDE ALL TOOLS, TRANSPORTATION, UTILITIES, TEMPORARY FACILITIES, AND OTHER SERVICES AS NECESSARY FOR PROPER EXECUTION OF THE WORK, AND SHALL ASSUME FULL RESPONSIBILITY FOR PROTECTION AND SAFEKEEPING OF THESE ELEMENTS DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE IN ADVANCE FOR APPROVAL OF THE MATERIAL STORAGE AREA AT THE JOB SITE.

5. CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING STREETS, SURROUNDING LANDSCAPE, AND OTHER IMPROVEMENT WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, SIDEWALKS, GRADING, ETC. AND TO AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPE, LOW SPOTS, OR HAZARDOUS CONDITIONS.

6. ALL EXISTING UTILITY COVERS SHALL BE PROTECTED UNLESS NOTED OTHERWISE ON THE DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DIFFERENCES IN LOCATIONS OF EXISTING UTILITIES FROM THAT SHOWN, OR ANY CONFLICTS WITH THE DESIGN BEFORE CONTINUING WORK IN THAT AREA. ANY REVISIONS OR ADDITIONAL WORK REQUIRED AS A RESULT OF FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. WORK PERFORMED BY THE CONTRACTOR WITHOUT WRITTEN AUTHORIZATION SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR WHO SHALL BEAR ALL COSTS ATTRIBUTABLE THERETO. ANY AND ALL REVISIONS SHALL BE IN WRITTEN CHANGE ORDER FORM AND APPROVED AND AUTHORIZED BY THE OWNER BEFORE BEGINNING WORK.

7. ALL REVIEWS AND APPROVALS REQUIRED BY LANDSCAPE ARCHITECT REFERENCED WITHIN THESE DRAWINGS SHALL BE DIRECTED TO THE OWNER'S REPRESENTATIVE.

ABBREVIATIONS

AL	ALIGN
ATP	ALIGN TO PAVERS
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
ADJ	ADJACENT
AGG	AGGREGATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECTURE
BX	BOX
BLDG	BUILDING
CAL	CALIPER
CB	CATCH BASIN
CL	CENTER LINE
CLF	CHAIN LINK FENCE
CLR	CLEAR
CO	CLEAN OUT
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CTR	CENTER
DEMO'D	DEMOLISHED
DG	DECOMPOSED GRANITE
DI	DRAIN INLET
DIA	DIAMETER
DWGS	DRAWINGS
EJ	EXPANSION JOINT
ELE TRANS	ELECTRICAL TRANSFORMER
ELEV	ELEVATION
EQ	EQUAL
EQUIP	EQUIPMENT
(E)	EXISTING
FF&A	FURNITURE FURNISHES & AMENITIES
FFE	FINISH FLOOR ELEVATION
FG	FINISH GRADE
FL	FLOW LINE
FOB	FACE OF BUILDING
FOC	FACE OF CURB
FT	FOOT/FEET
FTG	FOOTING
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRADE BREAK
GC	GALLON CAN
GFRC	GLASS FIBER REINFORCED CONCRETE
GPM	GALLONS PER MINUTE
GR	ENVIRONMENTAL GRAPHICS
GRD	GRADE
HB	HOSE BIB
HORIZ	HORIZONTAL
HT	HEIGHT
ID	INSIDE DIAMETER
IN	INCH
INV	INVERT
IRR	IRRIGATION
LD	LIGHTING DESIGN
LF	LINEAR FEET
MAX	MAXIMUM
MFG	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
(N)	NEW
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OD	OUTSIDE DIAMETER
PA	PLANTING AREA
PAV'T	PAVEMENT
PAVE	PAVING
PERF	PERFORATED
PERP	PERPENDICULAR
PIP	POURED-IN-PLACE
PL	PLATE
POC	POINT OF CONNECTION
PROP	PROPOSED
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL-CHLORIDE
QTY	QUANTITY
R	RADIUS
RB	ROOTBALL
RCP	REINFORCED CONCRETE PIPE
REBAR	REINFORCING BAR
REQ'D	REQUIRED
RGH	ROUGH
RIM	RIM ELEVATION
RMU	RETAIL MERCHANDISING UNIT
RWD	REDWOOD
SAD	SEE ARCHITECTURE DRAWINGS
SED	SEE ELECTRICAL DRAWINGS
SSD	SEE STRUCTURAL DRAWINGS
SCD	SEE CIVIL DRAWINGS
SD	STORM DRAIN
SECT	SECTION
SHT	SHEET
SJ	SCORE JOINT
SPEC'ED	SPECIFIED
SPECS	SPECIFICATIONS
SPR	SPREAD
SQ	SQUARE
SF	SQUARE FEET
S.S.	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STPA	STORMWATER TREATMENT PLANTING AREA
SW	SIDEWALK
TBD	TO BE DETERMINED
TC	TOP OF CURB
TS	TUBULAR STEEL
TW	TOP OF WALL
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UON	UNLESS OTHERWISE NOTED
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
W	WATER LINE
W/	WITH
@	AT

LANDSCAPE SHEET INDEX

L001	LANDSCAPE NOTES
L101	CONSTRUCTION PLAN
L102	FENCE & GATE PLAN
L103	SITE SECTIONS
L201	LAYOUT PLAN
L301	CONSTRUCTION DETAILS
L302	CONSTRUCTION DETAILS
L303	CONSTRUCTION DETAILS
L400	PLANTING LEGEND
L401	PLANTING PLAN
L402	PLANTING DETAILS
L501	IRRIGATION PLAN, NOTES & LEGEND
L502	IRRIGATION DETAILS
L503	IRRIGATION DETAILS

PAVING SCHEDULE

LOCATION: SIDEWALK & COURTYARDS
TYPE: P.I.P. CONCRETE
COLOR: STANDARD GRAY
FINISH: ETCH FINISH

LOCATION: COURTYARD GARDEN
TYPE: P.I.P. COLORED CONCRETE
COLOR: DAVIS COLOR - CARAMEL 6455 OR APPROVED EQUAL
FINISH: LIGHT ETCH

LOCATION: LOWER PARKING LOT
TYPE: RESIN PAVING
PRODUCT: GRANITECRETE OR APPROVED EQUAL
COLOR: NATURAL

LOCATION: COURTYARD
TYPE: ARTIFICIAL TURF
PRODUCT: SYNFESCUE 354 OR APPROVED EQUAL
MFG: SYNLAWN

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LICENSED LANDSCAPE ARCHITECT
5-27-16
STATE OF CALIFORNIA

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	8/26/16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

LANDSCAPE NOTES

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

L001

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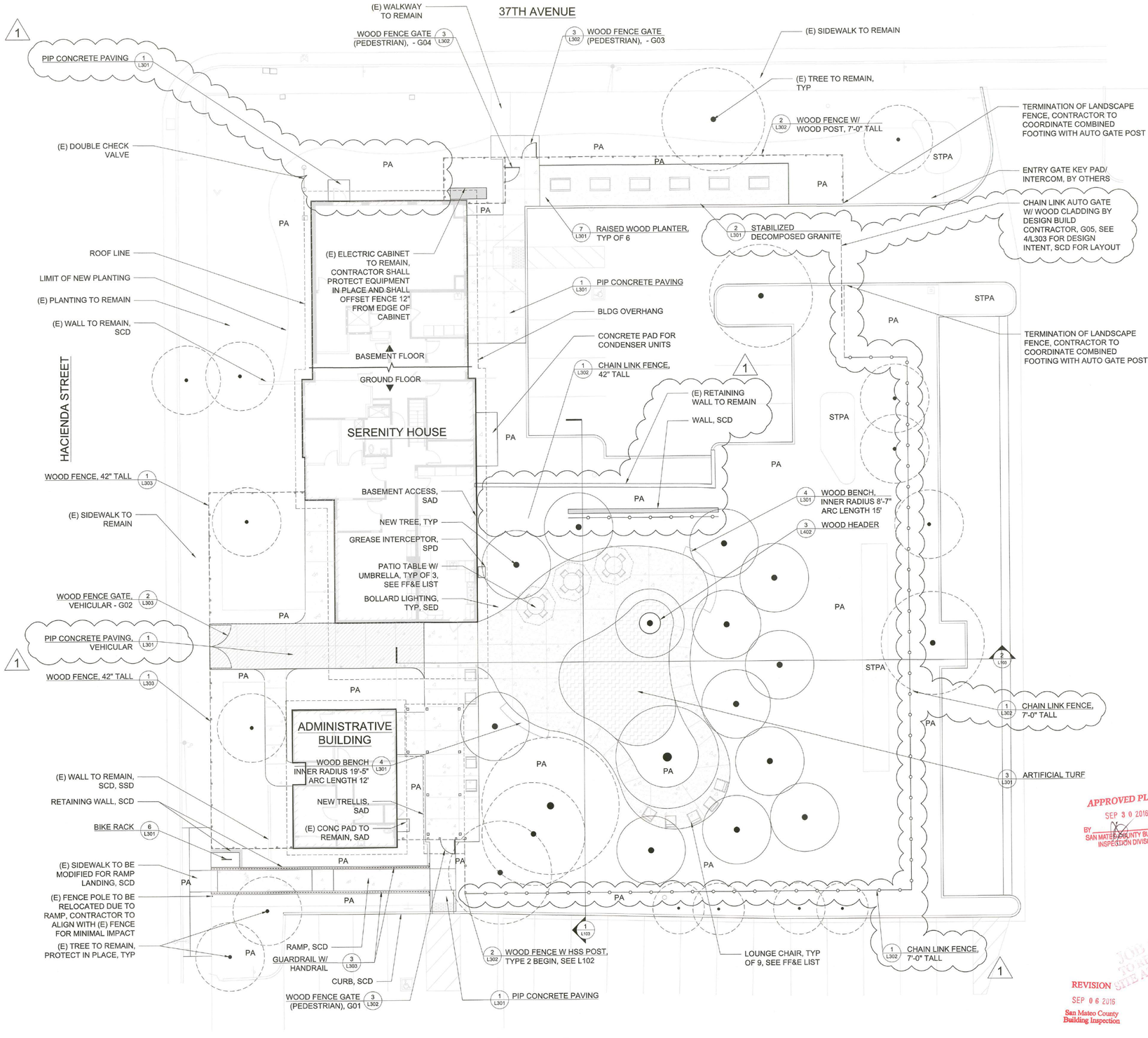

TREE LEGEND

- EXISTING TREE
- NEW TREE

PAVING LEGEND

- PIP CONCRETE (PEDESTRIAN)
- PIP CONCRETE W/ INTEGRAL COLOR
- PIP CONCRETE (VEHICULAR)
- STABILIZED DECOMPOSED GRANITE
- ARTIFICIAL TURF

PA PLANTING AREA

STPA STORMWATER TREATMENT PLANTING AREA

SEE L001 FOR PAVING SURFACE NOTES
SEE L102 FOR FENCE AND GATE SCHEDULE
SEE L102 AND S100 FOR FENCE LAYOUT
SEE C401 FOR STREETS, CURBS, GRADING, RETAINING WALLS, AND DRAINAGE
SEE E1.00 FOR SITE LIGHTING

SCALE: 1"=10'-0" (0 5 10 20)

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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COUNTY OF SAN MATEO FOUNDED 1856

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LICENSED LANDSCAPE ARCHITECT MARK HUDSON 5.31.16 6.30.17 STATE OF CALIFORNIA

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	8/26/16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

CONSTRUCTION PLAN

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

L101

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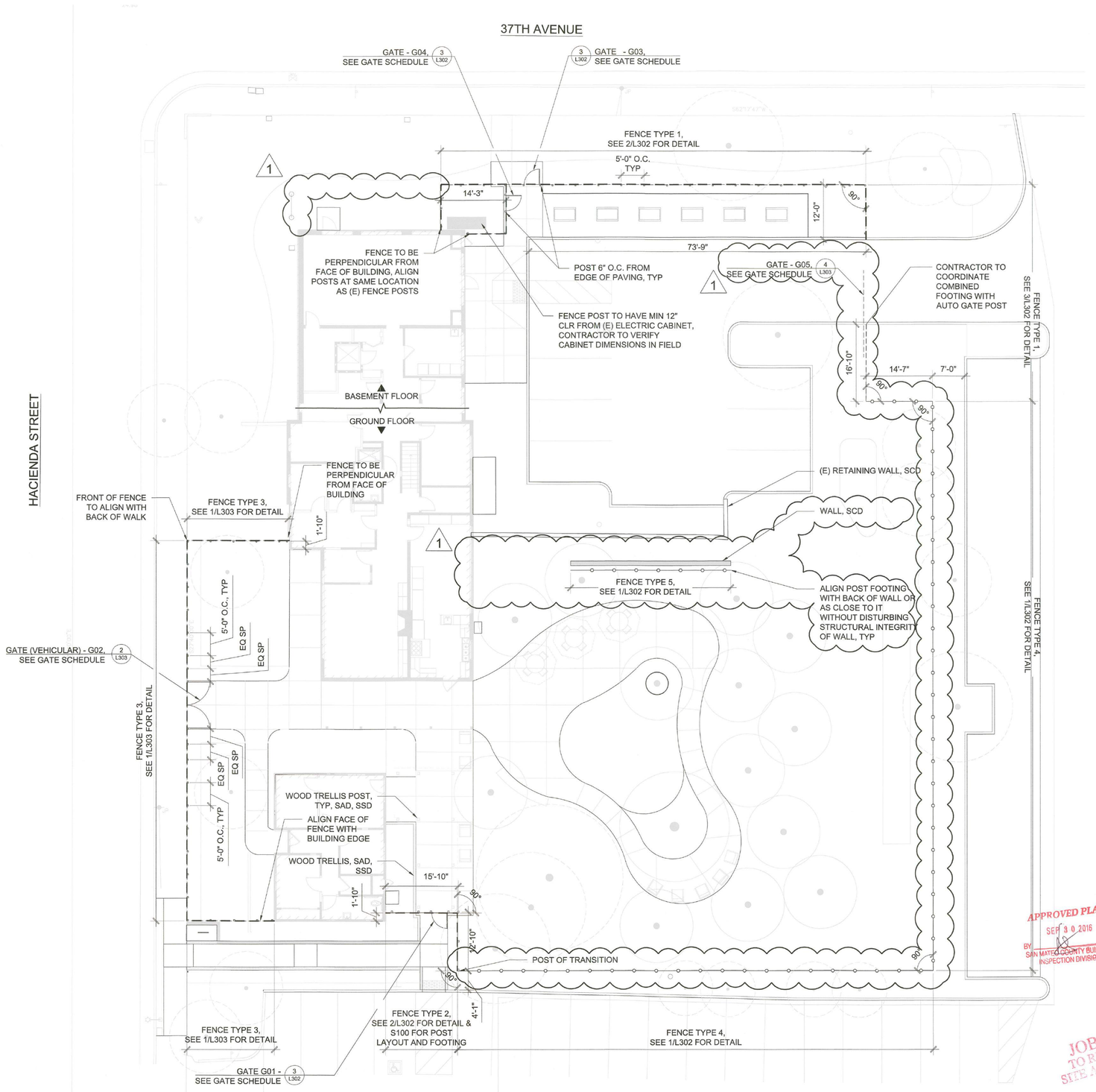

GATE SCHEDULE, SEE L302 AND L303 FOR DETAILS & HARDWARE SCHEDULE

GATE NUMBER	HARDWARE GROUP	NOTES
G01	SPRING HINGES, MORTICE LOCKSET WITH HANDLES ON BOTH SIDES, ELECTRIC STRIKE, DOOR POSITION SWITCH, KEY CARD READER	DOOR ALWAYS LOCKED ON PULL SIDE, ALWAYS OPEN ON PUSH SIDE
G02	PADLOCK HASP ON PULL SIDE, HINGES, CANE BOLT	
G03	SPRING HINGES, MORTICE LOCKSET WITH HANDLES ON BOTH SIDES, ELECTRIC STRIKE, DOOR POSITION SWITCH	ACCESSIBLE EGRESS, DOOR ALWAYS LOCKED ON PULL SIDE, ALWAYS OPEN ON PUSH SIDE
G04	PADLOCK HASP ON PULL SIDE, HINGES	
G05	CONTRACTOR TO PROVIDE ALL HARDWARE AS REQUIRED BY OWNER. CONTRACTOR TO ENSURE GATE IS CODE COMPLIANT AND MEETS ALL ACCESSIBILITY REQUIREMENTS PER CBC 2013.	GATE TO BE DESIGN BUILD. DESIGN INTENT SHOWN ON 2/L302

FENCE SCHEDULE, SEE L302, L303 & S100 FOR DETAILS

FENCE TYPE	DESCRIPTION	HEIGHT	POST SPACING	FOOTING NOTES
1	**WOOD FENCE W/ WOOD POST**	7'-0"	5'-0" O.C. MAX	SONNET TUBES UNDER POSTS
2	**WOOD FENCE W/ HSS POST**	7'-0"	6'-0" O.C. MAX	PIER AND FOOTING FOUNDATION AS NECESSARY, SEE S100
3	**WOOD FENCE W/ WOOD POST**	42"	5'-0" O.C. MAX	SONNET TUBES UNDER POSTS
4	**CHAIN LINK FENCE**	7'-0"	8'-0" O.C. MAX	SONNET TUBES UNDER POSTS, SEE SPECS
5	**CHAIN LINK FENCE**	42"	8'-0" O.C. MAX	SONNET TUBES UNDER POSTS, SEE SPECS

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SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA.

LICENSED LANDSCAPE ARCHITECT — 5.31.18 — 8.26.16 — STATE OF CALIFORNIA

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	8/26/16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

FENCE & GATE PLAN

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

L102

CONSTRUCTION DOCUMENTS BID SET

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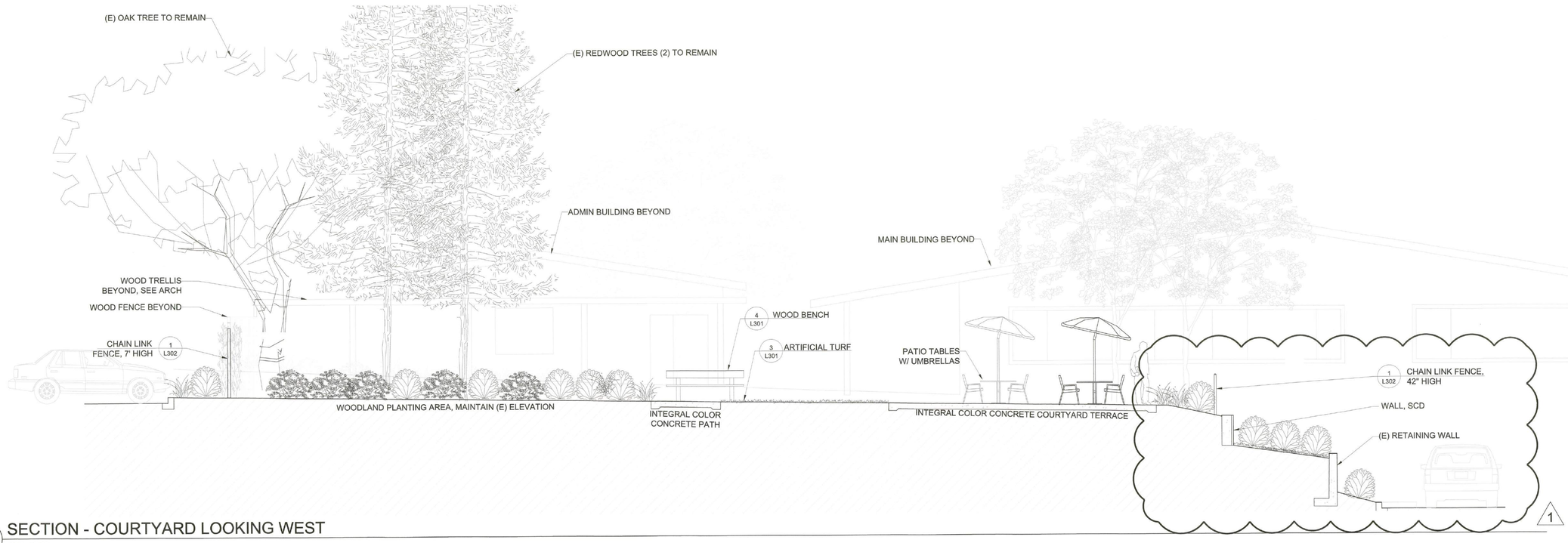
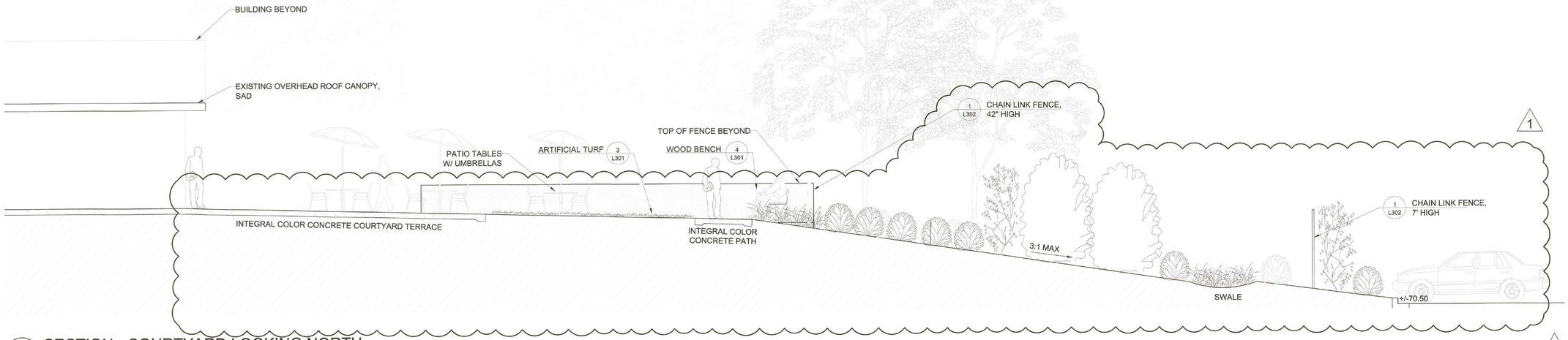


1 SECTION - COURTYARD LOOKING WEST
1/4" = 1'-0"



2 SECTION - COURTYARD LOOKING NORTH
1/4" = 1'-0"

3 NOT USED

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

REVISION
SEP 06 2016
San Mateo County Building Inspection

HGA
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER
HGA
1200 R STREET, SUITE 100
SACRAMENTO, CA 95811
916.787.5100

MECHANICAL/ELECTRICAL/ PLUMBING ENGINEER
INTERFACE ENGINEERING, INC.
135 MAIN STREET, SUITE 400
SAN FRANCISCO, CA 94105
415.489.3213

CIVIL ENGINEER
BKF
255 SHORELINE DRIVE #200
REDWOOD CITY, CA 94065
650.482.6300

LANDSCAPE ARCHITECT
RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

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DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	8/26/16

JOB COPY
TO REMAIN ON SITE AT ALL TIMES

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

SITE SECTIONS

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

L103

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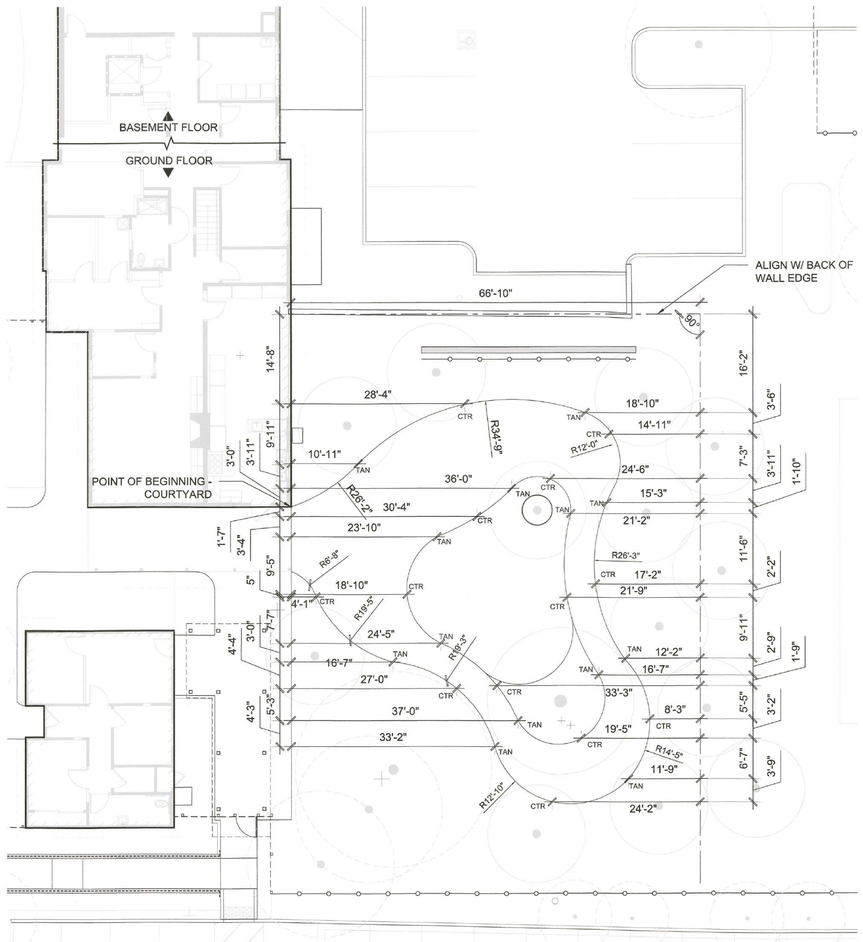

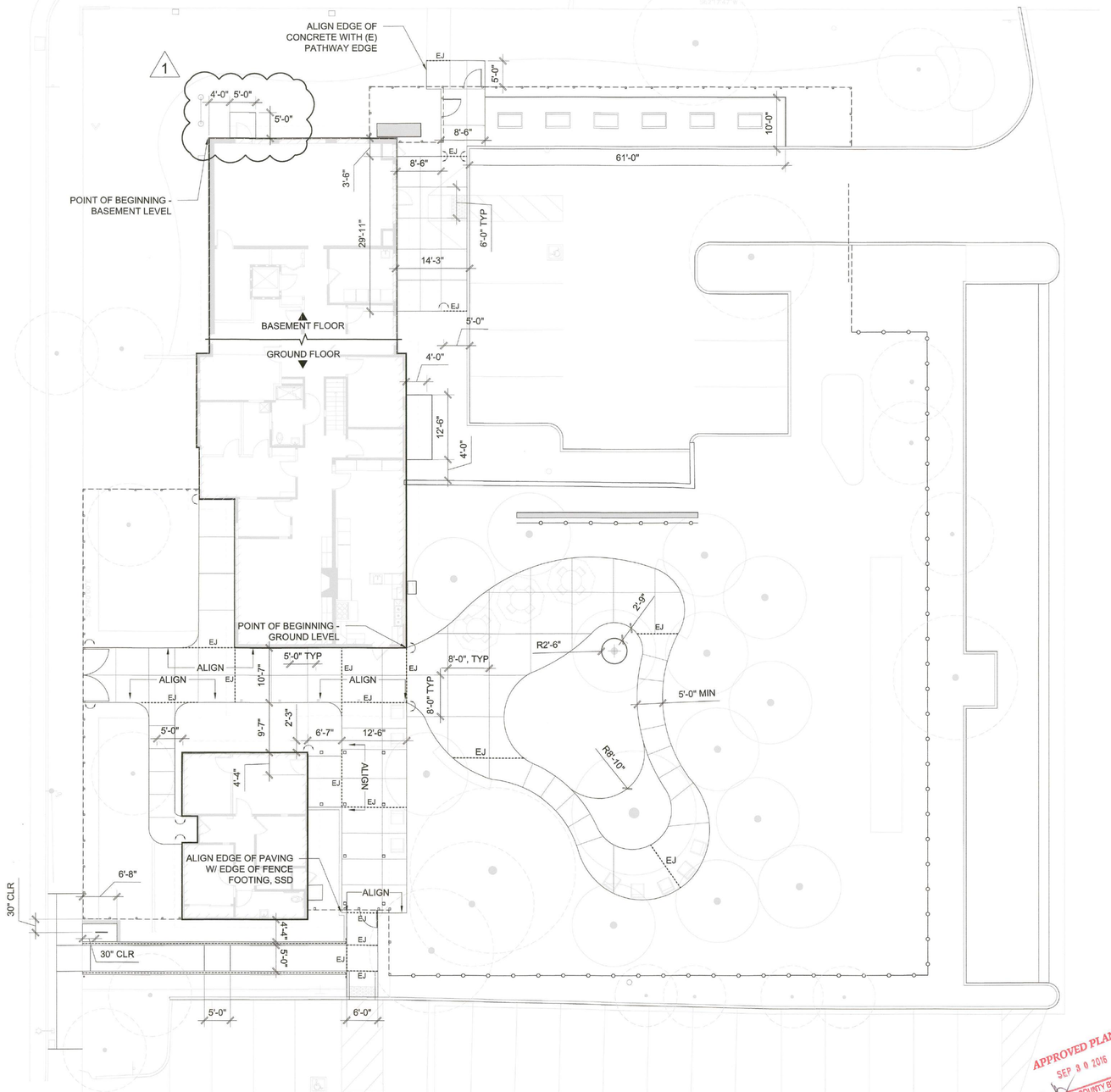

2 LAYOUT PLAN - COURTYARD

1" = 10'-0"

1 LAYOUT PLAN - SITE

1"=10'-0"

LAYOUT LEGEND

- ALIGN
- EXTENSION LINE
- EJ — EXPANSION JOINT

ABBREVIATIONS

CTR	CENTER POINT
EQ	EQUAL
EJ	EXPANSION JOINT
R	RADIUS
CL	CENTER LINE
TAN	TANGENT POINT

SEE L102 FOR FENCE & GATE LAYOUT AND SCHEDULES
SEE C401 FOR STREETS, CURBS, GRADING, RETAINING WALLS, AND DRAINAGE

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

REVISION
SEP 06 2016
San Mateo County Building Inspection

0 5 10 20
SCALE: 1"=10'-0"

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LICENSED LANDSCAPE ARCHITECT 5.31.16 8.26.16 STATE OF CALIFORNIA

NAME:
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REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	8/26/16

JOB COPY
THIS SET IS FOR REFERENCE ONLY

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

LAYOUT PLAN

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

L201

CONSTRUCTION DOCUMENTS BID SET

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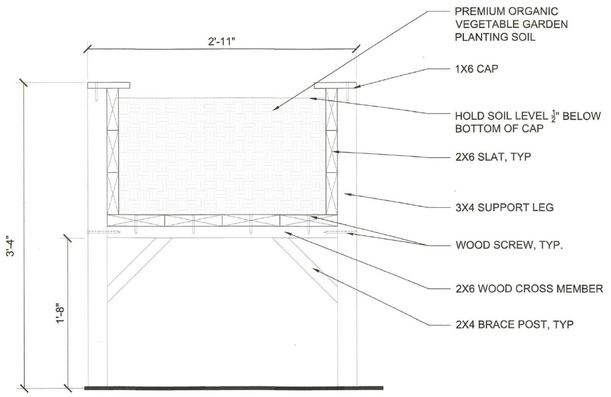
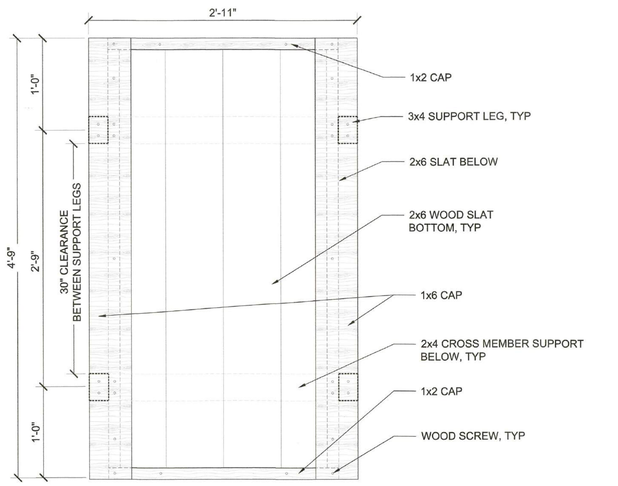
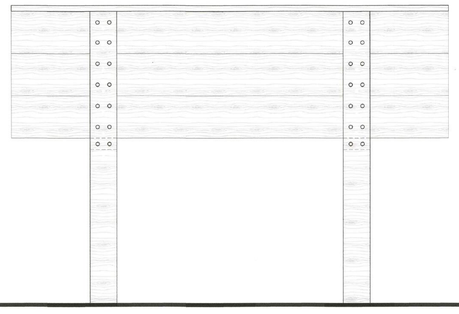


SECTION



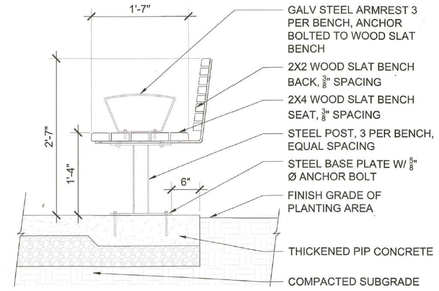
PLAN



SIDE ELEVATION

NOTES:
1. ALL WOOD TO BE STAINED REDWOOD W/ TRANSLUCENT PIGMENTED STAIN, SEE A400 FOR WOOD STAIN INFORMATION.
2. ALL HARDWARE TO BE GALVANIZED STEEL, PAINTED TO MATCH WOOD COLOR.
3. SUBMIT SHOP DRAWINGS FOR APPROVAL.

7 ADA RAISED WOOD PLANTER
1-1/2"=2'-0"



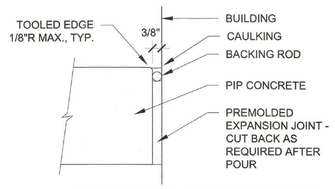
SECTION



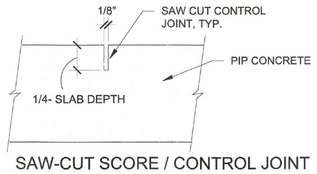
PRODUCT IMAGE

NOTE:
1. BENCH MODEL YB - CIRCULAR WITH BACK BY SITECRAFT, REDWOOD OR APPROVED EQUAL. SURFACE MOUNT, GALVANIZED STEEL ARM RESTS CONFIRM DIMENSIONS IN THE FIELD
2. SEE CONSTRUCTION PLAN FOR INSIDE ARC RADIUS AND ARC ANGLE
3. SUBMIT SHOP DRAWINGS FOR APPROVAL

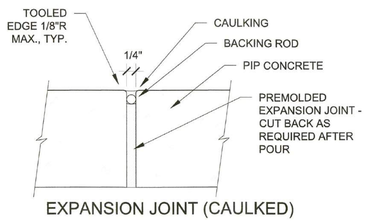
4 WOOD BENCH
1"=1'-0"



EXPANSION JOINT (CAULKED)



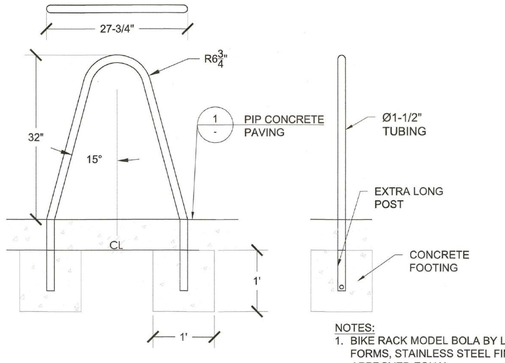
SAW-CUT SCORE / CONTROL JOINT



EXPANSION JOINT (CAULKED)

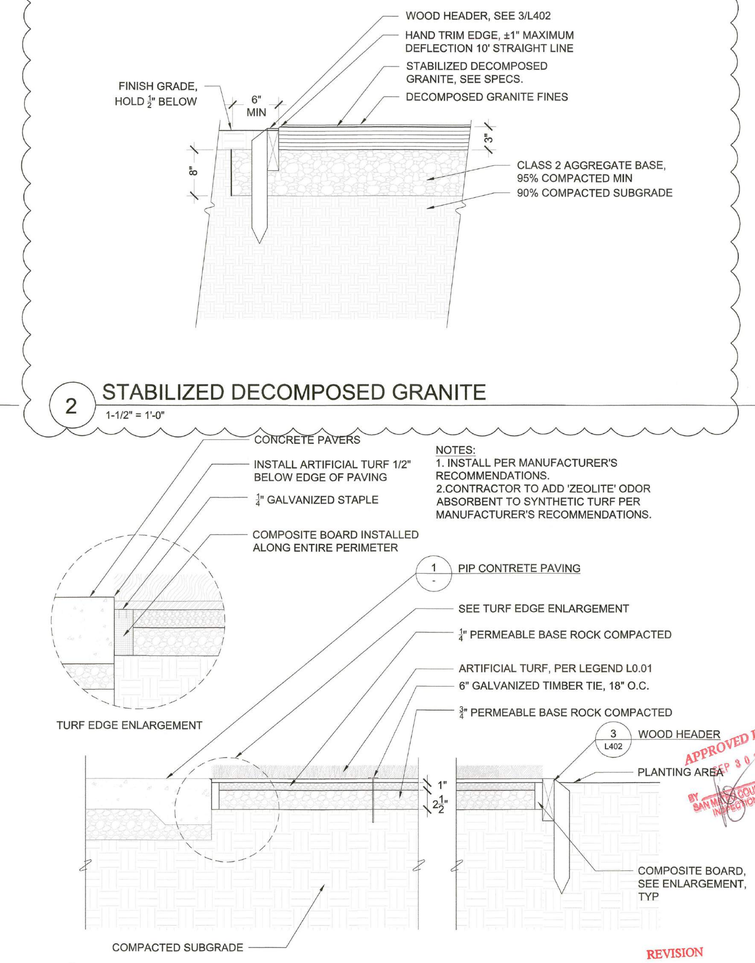
NOTES:
1. PROVIDE EJ'S AT ALL WALLS, COLUMNS AND SIMILAR VERTICAL STRUCTURES.
2. EXPANSION JOINTS AS SHOWN ON PLAN.
3. DOWEL IS TYPICAL AT ALL EJ'S EXCEPT AGAINST CURBS, WALLS, COLUMNS OR SIMILAR VERTICAL STRUCTURES, UNLESS OTHERWISE NOTED ON THE DRAWING.

5 SCORE AND EXPANSION JOINTS
NTS

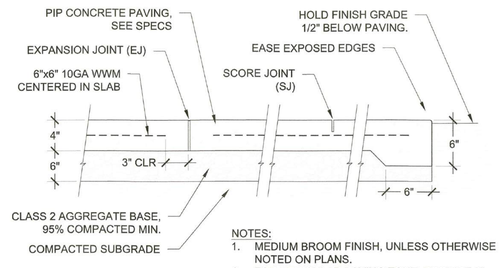


NOTES:
1. BIKE RACK MODEL BOLA BY LANDSCAPE FORMS, STAINLESS STEEL FINISH OR APPROVED EQUAL

6 BIKE RACK
1" = 1'-0"



1 PIP CONCRETE PAVING
1-1/2" = 1'-0"



SECTION

NOTES:
1. MEDIUM BROOM FINISH, UNLESS OTHERWISE NOTED ON PLANS.
2. FOR VEHICULAR PAVING ZONE, PROVIDE 7" CONCRETE AND 12" AGGREGATE BASE
3. PROVIDE SCORE JOINTS (SJ) AND EXPANSION JOINTS (EJ) AS SHOWN ON PLAN.
4. PROVIDE (EJ) MAX. 18' O.C. BOTH DIRECTIONS, UNLESS OTHERWISE NOTED ON PLANS, AND ADJACENT TO BUILDINGS, WALLS, & OTHER VERTICAL ELEMENTS.

2 STABILIZED DECOMPOSED GRANITE
1-1/2" = 1'-0"

NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2.CONTRACTOR TO ADD 'ZEOLITE' ODOR ABSORBENT TO SYNTHETIC TURF PER MANUFACTURER'S RECOMMENDATIONS.

3 ARTIFICIAL TURF
1-1/2"=1'-0"

REVISION
SEP 06 2016
San Mateo County Building Inspection

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	8/26/16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

CONSTRUCTION DETAILS

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

L301

CONSTRUCTION DOCUMENTS BID SET

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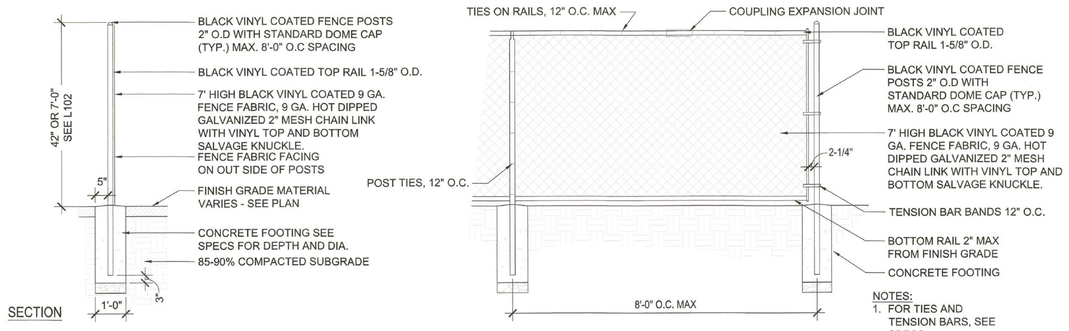
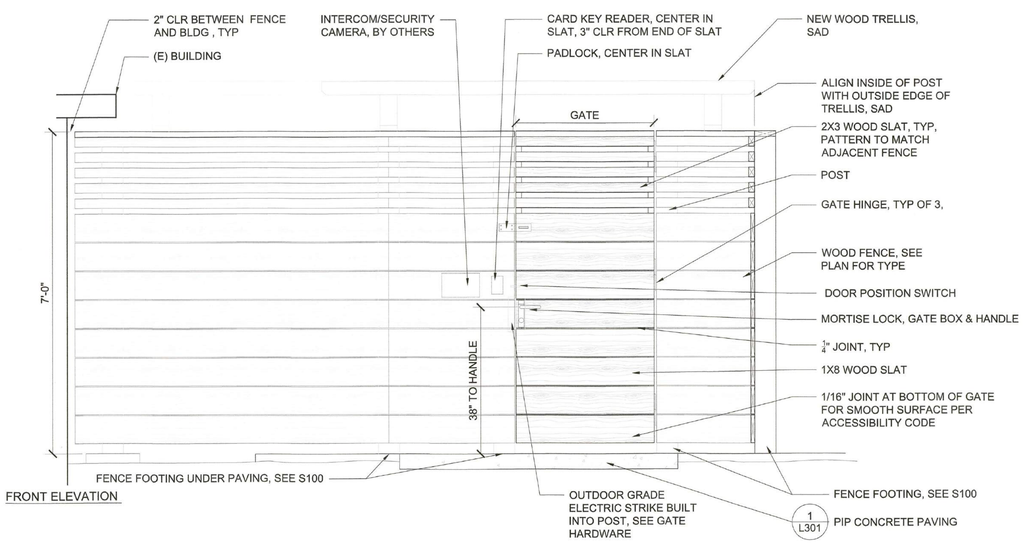
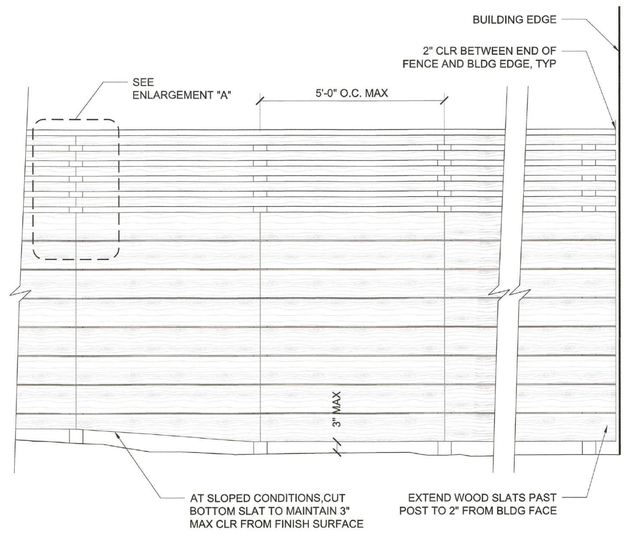
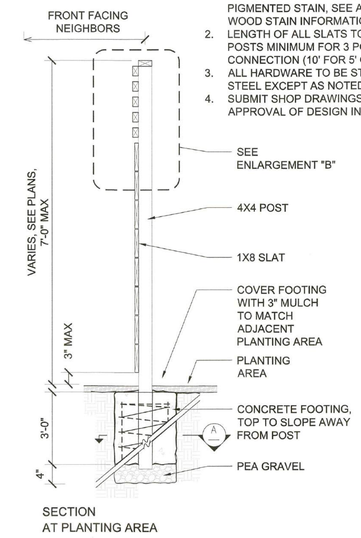


1 CHAIN LINK FENCE
1/2" = 1'-0"

1

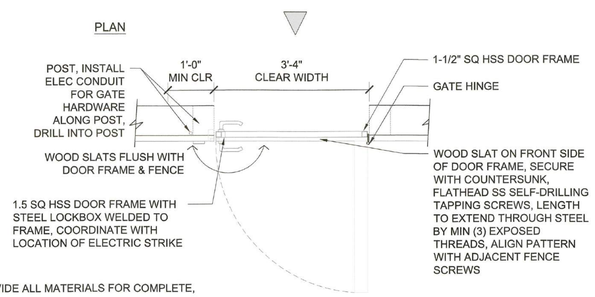






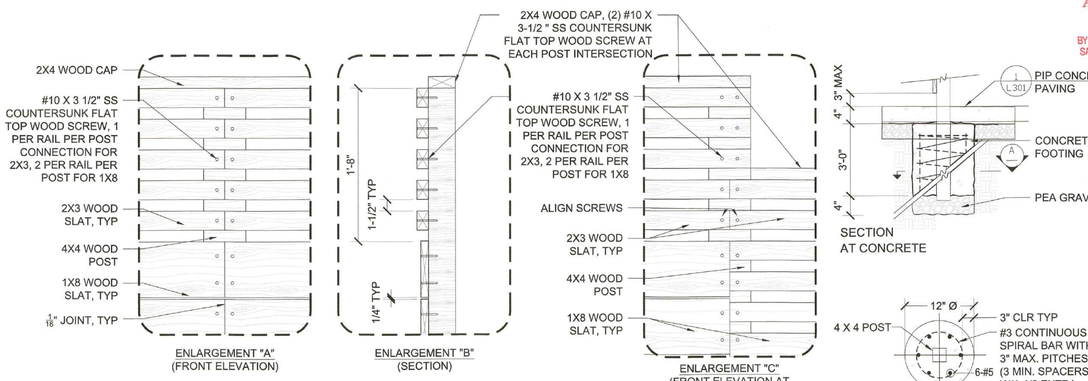
NOTES:
1. ALL WOOD TO BE STAINED REDWOOD W/ TRANSLUCENT PIGMENTED STAIN, SEE A400 FOR WOOD STAIN INFORMATION.
2. LENGTH OF ALL SLATS TO SPAN 3 POSTS MINIMUM FOR 3 POINTS OF CONNECTION (10' FOR 5' O.C. POSTS)
3. ALL HARDWARE TO BE STAINLESS STEEL EXCEPT AS NOTED.
4. SUBMIT SHOP DRAWINGS FOR APPROVAL OF DESIGN INTENT.

GATE HARDWARE SCHEDULE	
MORTISE LOCKSET W/ LEVER	LOCINOX H-METAL-WB WITH 3006I HANDLE, HWLB LOCKBOX & 3020-HYB STAINLESS STEEL COVER SHEILD OR APPROVED EQUAL
ELECTRIC STRIKE	LOCINOX SEH-R OR APPROVED EQUAL
HINGE	BOMMER LB4390C-450 STAINLESS STEEL SINGLE ACTING SPRING HINGE, FULL MORTISE, OR APPROVED EQUAL
DOOR POSITION SWITCH	1075 SERIES RECESSED MOUNT PRESS FIT WITH WIRE LEADS OR APPROVED EQUAL
KEY CARD READER	HID THINLINE II READER OR APPROVED EQUAL
PADLOCK HASP	STANLEY STAINLESS STEEL 941 EXTRA HEAVY HASP OR APPROVED EQUAL



NOTES:
1. DESIGN DETAIL DEMONSTRATES DESIGN INTENT ONLY. CONTRACTOR TO PROVIDE ALL MATERIALS FOR COMPLETE, CODE COMPLIANT & FUNCTIONING GATE SYSTEM.
2. SEE L101 FOR GATE SCHEDULE AND HARDWARE GROUPS.
3. GATE TO MATCH FENCE PATTERN, SEE DETAIL 1/L302.
4. ALL HARDWARE TO BE STAINLESS STEEL EXCEPT AS NOTED.
5. ADDITIONAL GATE HARDWARE INCLUDING INTERCOM/SECURITY CAMERA TO BE COORDINATED BY CONTRACTOR.
6. GATE TO HAVE A 5'X5' LEVEL LANDING ON BOTH SIDES OF THE GATE
7. ALL WOOD TO BE STAINED REDWOOD W/ TRANSLUCENT PIGMENTED STAIN, SEE A400 FOR WOOD STAIN INFORMATION.
8. SUBMIT SHOP DRAWINGS FOR APPROVAL.
9. GATE HARDWARE TO BE APPROVED BY ARCHITECT OR OWNER'S REPRESENTATIVE.

3 WOOD FENCE GATE (PEDESTRIAN)
3/4"=1'-0"



2 WOOD FENCE W/ WOOD POST, 7'-0" TALL
3/4"=1'-0"

REVISION
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San Mateo County Building Inspection

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5/31/16

NAME:
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ISSUANCE HISTORY - THIS SHEET

APPROVED PLAN
SEP 30 2016
BY
SAN MATEO COUNTY BUILDING INSPECTION DIVISION

HGA NO: 3505-003-01

CONSTRUCTION DETAILS

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

L302

CONSTRUCTION DOCUMENTS BID SET

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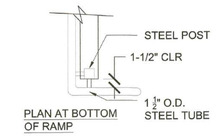
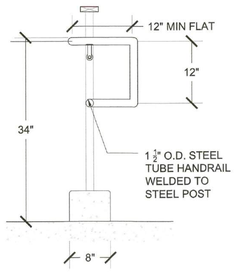
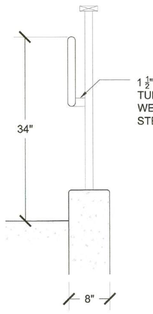


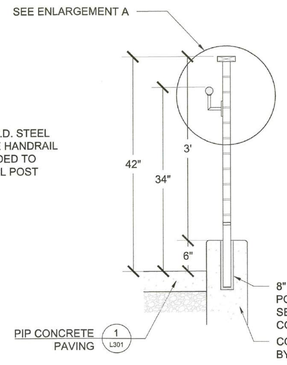
PLAN AT BOTTOM OF RAMP



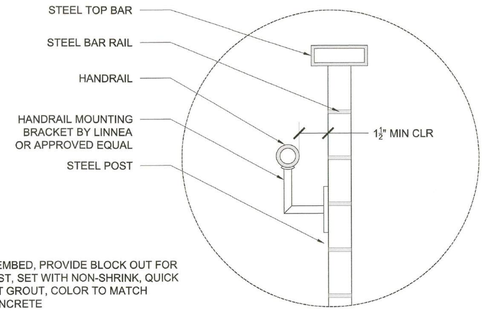
ELEVATION AT BOTTOM OF RAMP



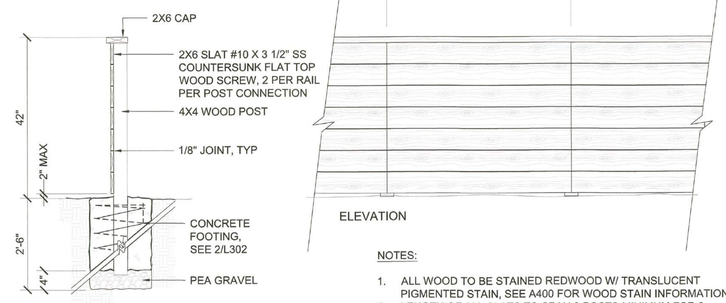
ELEVATION AT TOP OF RAMP



SECTION AT GUARDRAIL/HANDRAIL COMBO



ENLARGEMENT A - HANDRAIL
NTS

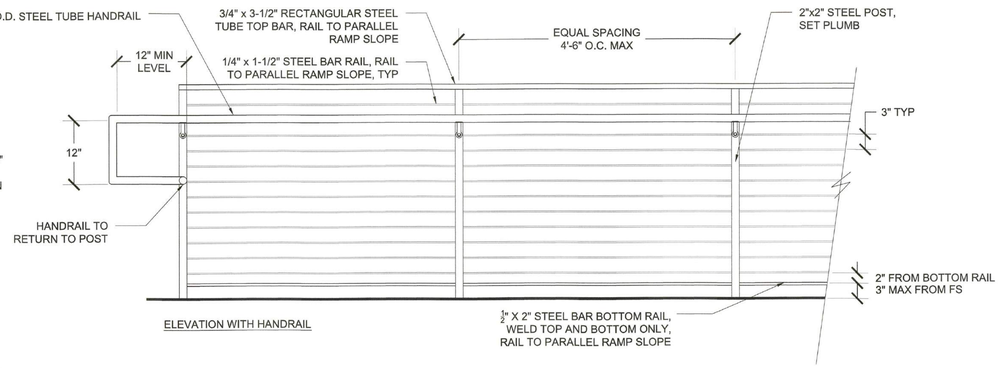


SECTION

NOTES:
1. ALL WOOD TO BE STAINED REDWOOD W/ TRANSLUCENT PIGMENTED STAIN, SEE A400 FOR WOOD STAIN INFORMATION.
2. LENGTH OF ALL SLATS TO SPAN 3 POSTS MINIMUM FOR 3 POINTS OF CONNECTION (10' FOR 5' O.C. POSTS)
3. ALL HARDWARE TO BE STAINLESS STEEL EXCEPT AS NOTED.
4. SUBMIT SHOP DRAWINGS FOR APPROVAL.

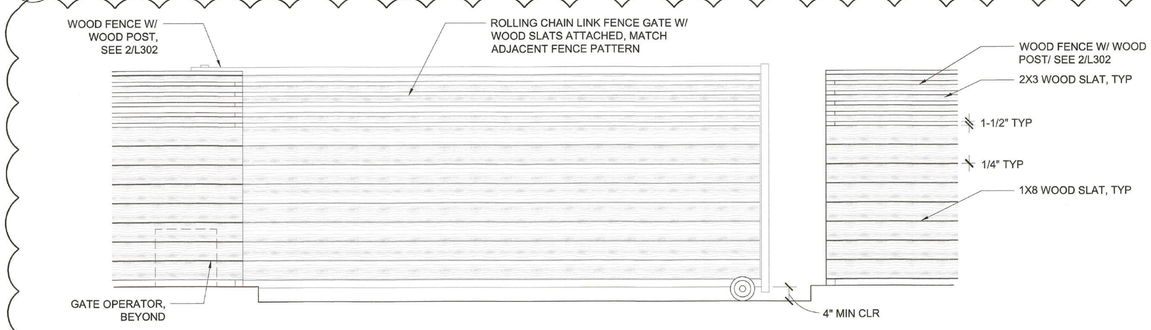
1 WOOD FENCE, 42" TALL
3/4" = 1'-0"

NOTES:
1. HANDRAIL, 1.5" Ø EXTRA STRONG STEEL TUBE.
2. ALL STEEL GUARDRAIL/HANDRAIL TO RECEIVE HIGH PERFORMANCE PAINT PER SPECIFICATIONS.
3. EMBED POSTS W/ QUICK SETTING NON-SHRINK GROUT. INSTALL HANDRAIL PLUMB & LEVEL. GROUT POCKET 1" LARGER THAN POSTS.
4. PROVIDE THICKENED EDGE TO CONCRETE PAVING SECTION AT GROUT POCKET. KEEP GROUT POCKET 1.5" CLR. MIN. OF EDGE OF CONCRETE IN ALL DIRECTIONS & 6" MINIMUM CLEAR OF ALL EXPANSION JOINTS
5. CONTRACTOR TO COORDINATE LOCATION OF EXPANSION JOINTS BASED ON POST LOCATIONS.
6. ALL CONNECTIONS TO BE FILLET WELDED ALL SIDES UNLESS OTHERWISE NOTED.
7. INSTALL HANDRAIL EXTENSIONS LEVEL IN DIRECTION OF TRAVEL.
8. DESIGN INTENT SHOWN ONLY. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL BY LANDSCAPE ARCHITECT

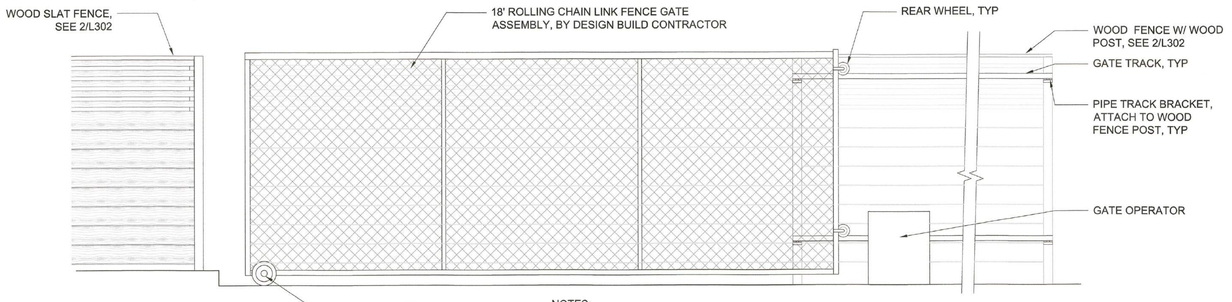


ELEVATION WITH HANDRAIL

3 GUARDRAIL W/ HANDRAIL
1/2" = 1'-0"



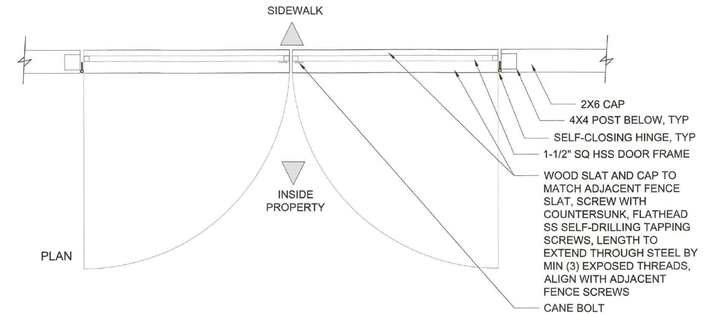
FRONT ELEVATION

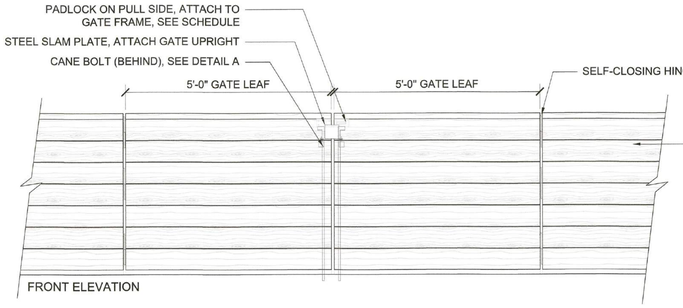


REAR ELEVATION

NOTES:
1. DESIGN INTENT ONLY. GATE ASSEMBLY AND OPERATOR TO BE DESIGN BUILD BY CONTRACTOR.
2. ALL WOOD TO BE STAINED REDWOOD W/ TRANSLUCENT PIGMENTED STAIN, SEE A400 FOR WOOD STAIN INFORMATION.
3. CONTRACTOR TO PROVIDE ALL HARDWARE AND STRUCTURAL DETAILS/CALCULATIONS AS REQUIRED BY OWNER. CONTRACTOR TO ENSURE GATE IS CODE COMPLIANT AND MEETS ALL ACCESSIBILITY REQUIREMENTS PER CBC 2013.
4. ELECTRIC ENTRY GATE SYSTEM, GATE EQUIPMENT AND SENSING LOOP BY OTHERS
5. DESIGN BUILD CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR FOR CURB AND FENCE POST FOOTING.

4 CHAIN LINK AUTO GATE W/ WOOD CLADDING
1/2" = 1'-0"

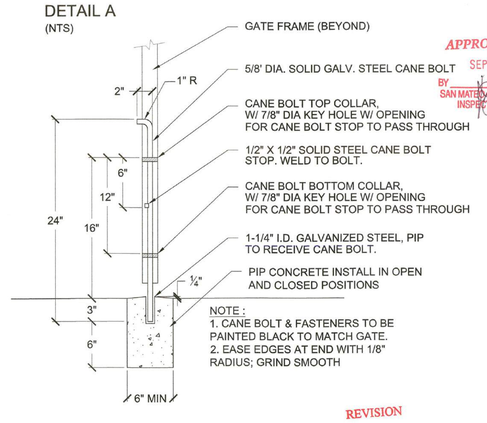




FRONT ELEVATION

NOTES:
1. DRAWING SHOWS DESIGN INTENT. CONTRACTOR TO PROVIDE ALL MATERIALS FOR COMPLETE & FUNCTIONING GATE SYSTEM
2. GATE TO MATCH FENCE PATTERN, DETAIL 1/L303
3. GATE TO HAVE WEATHER RESISTANT STAINLESS STEEL HARDWARE UNLESS OTHERWISE NOTED.
4. ALL WOOD TO BE STAINED REDWOOD W/ TRANSLUCENT PIGMENTED STAIN, SEE A400 FOR WOOD STAIN INFORMATION.

DETAIL A
(NTS)



NOTE:
1. CANE BOLT & FASTENERS TO BE PAINTED BLACK TO MATCH GATE.
2. EASE EDGES AT END WITH 1/8" RADIUS; GRIND SMOOTH

APPROVED PLAN
SEP 30 2016
BY
SAN MATEO COUNTY BUILDING INSPECTION DIVISION

REVISION
SEP 06 2016
San Mateo County Building Inspection

2 WOOD FENCE GATE, VEHICULAR
1 1/2" = 1'-0"

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170 Maiden Lane, 5th Floor
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LANDSCAPE ARCHITECT
RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

LICENSED LANDSCAPE ARCHITECT — STATE OF CALIFORNIA — 5-31-16 — 8-26-16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CC #1	8/26/16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

CONSTRUCTION DETAILS

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

L303

CONSTRUCTION DOCUMENTS BID SET

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LEGEND

SYMBOL	ABBRIVIATION	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	HEIGHT	SPREAD	WATER USE	QTY
TREES									
	PIS CHI	PISTACIA CHINENSIS	CHINESE PISTACHE	24" BOX	AS SHOWN	30-40'	30-40'	MODERATE	4
	OLE EUR	OLEA EUROPAEA 'SWAN HILL'	SWAN HILL OLIVE	24" BOX	AS SHOWN	20-30'	25-30'	VERY LOW	1
	QUE AGR	QUERCUS AGRIFOLIA	COAST LIVE OAK	36" BOX	AS SHOWN	20-70'	20-70'	LOW	1
	CHI TAS	X CHITALPA TASHKENTENSIS	CHITALPA	36" BOX	AS SHOWN	15-25'	15-25'	LOW	8
SHURBS AND GROUNDGOVERS									
	ART HOW	ARTOSTAPHYLOS 'HOWARD MCMINN'	HOWARD MCMINN MANZANITA	15 GAL	5' O.C.	5-7'	5-7'	LOW	70
	CEA CON	CEANOTHUS 'CONCHA'	CALIFORNIA LILAC	15 GAL	5" O.C.	6-8'	6-12'	LOW	18
	CEA YAN	CEANOTHUS 'YANKEE POINT'	YANKEE POINT CEANOTHUS	15 GAL	6' O.C.	2-3'	7-9'	LOW	41
	DOD VIS	DODONAEA VISCOSA 'PURPUREA'	PURPLE HOP BUSH	15 GAL	6' O.C.	12-16'	8-12'	LOW	35
	LAV ASS	LAVATERA ASSURGENTIFLORA	TREE MALLOW	15 GAL	5' O.C.	8'	6-10	LOW	18
	MYR CAL	MYRICA CALIFORNICA	PACIFIC WAX MYRTLE	15 GAL	8' O.C.	20-30'	10-20'	LOW	22
	PIT TEN	PITTOSPORUM TENUIFOLIUM 'SILVER SHEEN'	SILVER SHEEN KOHUHU	15 GAL	5" O.C.	12-16'	6-8'	LOW	29
	POL MUN	POLYSTICHUM MUNITUM	WESTERN SWORD FERN	5 GAL	24" O.C.	2-3'	2-4'	MODERATE	30
	RHA CAL	RHAMNUS CALIFORNICA 'EVE CASE'	EVE CASE COFFEEBERRY	15 GAL	5" O.C.	6-8'	6-8'	LOW	32
	ROS KOR	ROSA 'KORBIN'	ICEBERG ROSE	5 GAL	36" O.C.	3-4'	3-4'	LOW	24
	SAR HOO	SARCOCOCCA HOOKERIANA HUMILIS	SWEET BOX	5 GAL	36" O.C.	1.5-2'	8'	LOW	19
PERENNIALS AND GRASSES									
	ACH MIL	ACHILLIEA MILLEFOLIUM	YARROW	1 GAL	24" O.C.	1-2'	2-3'	LOW	52
	CAR TUM	CAREX TUMULICOLA	BERKELEY SEDGE	1 GAL	18" O.C.	1-2'	1-2'	LOW	67
	CHO TEC	CHONDROPETALUM TECTORUM	CAPE RUSH	1 GAL	48" O.C.	2-3	3-4	LOW	88
	EPI CAN	EPILOBIUM CANUM ' CATALINA'	CALIFORNIA FUCHSIA	1 GAL	48" O.C.	3-4'	4-5'	LOW	24
	FES CAL	FESTUCA CALIFORNICA 'RIVER HOUSE BLUES'	RONS CALIFORNIA FESCUE	1 GAL	18" O.C.	1-2'	1-2'	LOW	23
	IRI PCH	IRIS PCH 'CANYON SNOW'	PACIFIC COAST HYBRID IRIS	1 GAL	12" O.C.	2-3'	1-2'	LOW	94
	JUN PAT	JUNCUS PATENS 'ELK BLUE'	ELK BLUE GRAY RUSH	5 GAL	12" O.C.	1-2'	1-2'	LOW	362
	MUH RIG	MUHLENBERGIA RIGENS	DEER GRASS	5 GAL	48" O.C.	4-5'	4-5'	LOW	76
	PEN SET	PENNISETUM SETACEUM 'RUBRUM'	PURPLE FOUNTAIN GRASS	5 GAL	36" O.C.	3-4'	4-5'	LOW	46
	PEN HET	PENSTEMON HETEROPHYLLUS 'MARGARITA BOP'	SANTA MARGARITA FOOTHILL PENSTEMON	1 GAL	18" O.C.	1-2'	2-3'	LOW	51
	SAL CLE	SALVIA CLEVELANDII 'WINNIFRED GILMAN'	CLEVELAND SAGE	5 GAL	36" O.C.	4-5'	4-5'	LOW	48
	VER LIL	VERBENA LILICINA 'DE LA MINA'	VERBENA	1 GAL	36" O.C.	1-2'	3-4'	LOW	36
VINES									
	CLY CAL	CLYTOSTOMA CALLISTEGIOIDES	PURPLE TRUMPET VINE	5 GAL	PER PLAN	N/A	15-25'	LOW	23

NOTES:
1. PLANT QUANTITIES PROVIDED FOR ESTIMATES ONLY. CONTRACTOR TO VERIFY ALL QUANTITIES SHOWN IN PLANTING PLAN.
2. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND NOTIFY OWNERS REPRESENTATIVE OF ANY CONFLICTS OR DISCREPANCIES THAT AFFECT THE PLANTING DESIGN INTENT.
3. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT FOR PLANTING LAYOUT APPROVAL PRIOR TO INSTALLATION.

TREE PROTECTION NOTES:
1. PROTECT EXISTING TREES AND BRANCHES FROM DAMAGE DURING CONSTRUCTION. DAMAGED TREES TO BE REPLACED IN KIND WITH TREE OF EQUAL VALUE OR AS APPROVED BY OWNER. ALL WORK WITHIN TREE PROTECTION ZONE TO BE DONE BY HAND. TREE PROTECTION ZONE TO BE 1' FOR EVERY INCH IN DIAMETER OF BREAST HEIGHT.

1

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY TO REMAIN ON SITE AT ALL TIMES

REVISION
SEP 06 2016
San Mateo County Building Inspection

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415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

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LICENSED LANDSCAPE ARCHITECT
6.27.16
6.15.16
DATE
STATE OF CALIFORNIA

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	8/26/16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

PLANTING LEGEND

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

L400

CONSTRUCTION DOCUMENTS BID SET

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NOTES:
1. A MINIMUM 3-INCH LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS, OR DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRAINDICATED.
2. FOR SOILS LESS THAN 6% ORGANIC MATTER IN THE TOP 6 INCHES OF SOIL, COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OF PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL.

WATER USE CALCULATIONS

I. HYDROZONE CALCULATION TABLE
II. MAXIMUM APPLIED WATER USE
III. ESTIMATED TOTAL WATER USE

I. HYDROZONE CALCULATION TABLE

HYDRO-ZONE	PLANT TYPE	IRRIGATION TYPE	VALVES
A	TREE/ SHRUB	BUBBLER	3, 10, 11
B	SHRUB	DRIP/MICRO SPRAY	2, 4, 5, 6, 7, 8, 9, 13, 14, 15, 16
C	SHRUB	DRIP/MICRO SPRAY	1

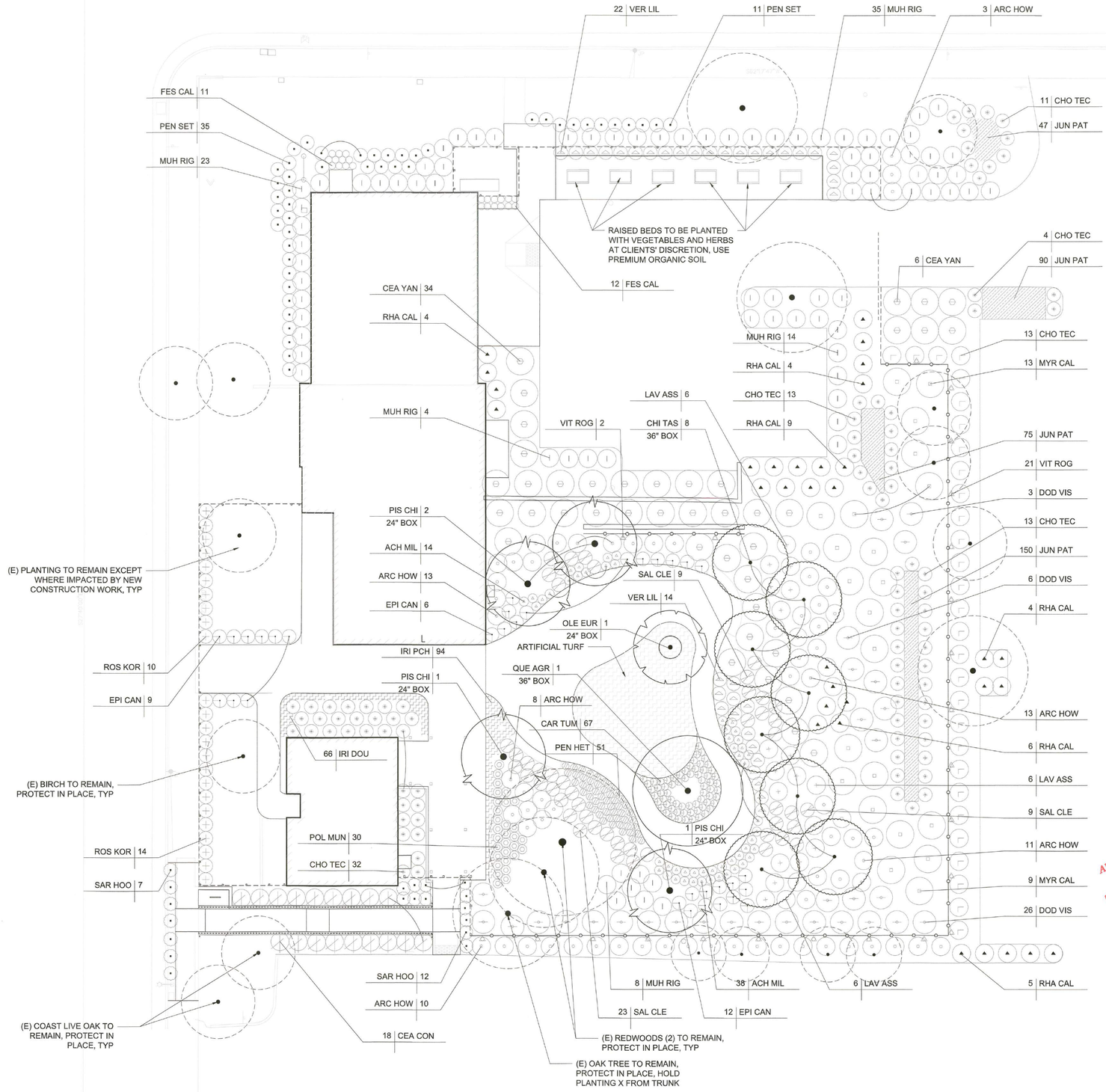
HYDRO-ZONE	ETo	CONVERSION FACTOR	PF	HA	IE	ETWU
TREES/ SHRUBS	42.8	0.62	0.5	190	0.9	2,801
LOW	42.8	0.62	0.3	7,058	0.9	62,430
MEDIUM	42.8	0.62	0.5	1,095	0.9	16,143
			LA (SF):	**8,343**	**ETWU:**	**81,374**

II. MAXIMUM APPLIED WATER ALLOWANCE (MAWA) = 154,973
MAWA = (ETo)(0.62)[(0.7*LA)+(0.3*SLA)]

Eto = REFERENCE EVAPOTRANSPIRATION (CITY OF REDWOOD CITY: 42.8)
0.7 = ET ADJUSTMENT FACTOR
LA = TOTAL LANDSCAPED AREA (SF)
0.62 = CONVERSION FACTOR (GALLONS PER SF PER YEAR)
SLA = SPECIAL LANDSCAPE AREAS (NONE IN THIS PROJECT)

III. ESTIMATED TOTAL WATER USE (ETWU) = 81,374
ETWU = (ETo)(0.62)[(PF*HA/IE)+SLA]

Eto = REFERENCE EVAPOTRANSPIRATION (CITY OF REDWOOD CITY: 42.8)
0.62 = CONVERSION FACTOR (GALLONS PER SF PER YEAR)
PF = PLANT FACTOR (0.5 FOR MEDIUM WATER USE PLANTS, 0.3 FOR LOW WATER USE PLANTS)
HA = HYDROZONE AREA (SF)
IE = IRRIGATION EFFICIENCY (0.9 FOR BUBBLERS, DRIP)
SLA = SPECIAL LANDSCAPE AREAS (NONE IN THIS PROJECT)



I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE AND IRRIGATION DESIGN PLAN.

MANUELA KING, ASLA — AUG 26, 2016 DATE

1 REVISION
SEP 06 2016
San Mateo County Building Inspection

0 5 10 20
SCALE: 1"=10'-0"

APPROVED PLANS
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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MILL VALLEY CA 94941
415.383.7900

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SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

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LICENSED LANDSCAPE ARCHITECT — Manuela King — STATE OF CALIFORNIA
5.31.16
8.24.16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	8/26/16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

PLANTING PLAN

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

L401

CONSTRUCTION DOCUMENTS BID SET

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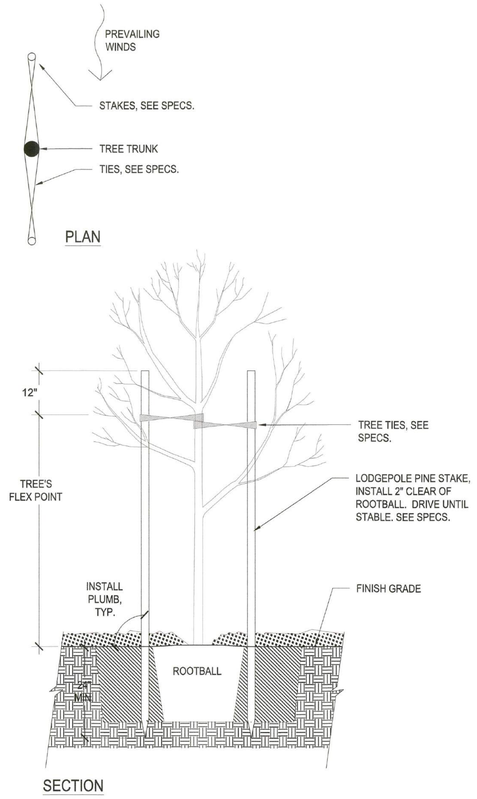
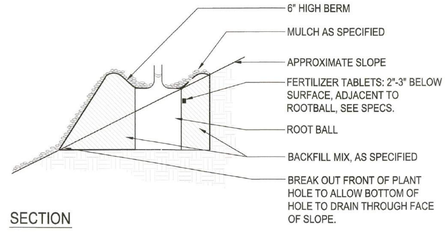
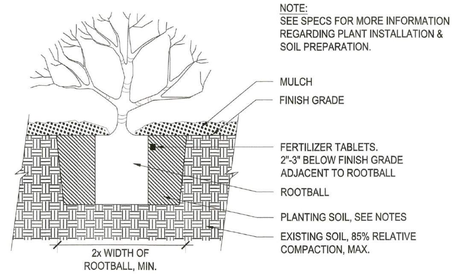


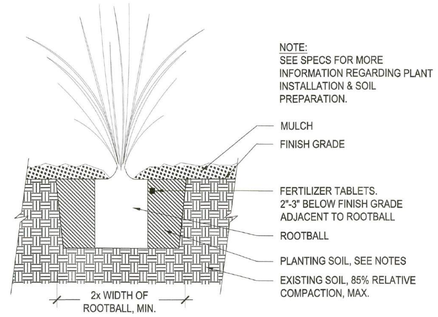
7 TREE STAKING
3/4" = 1'-0"



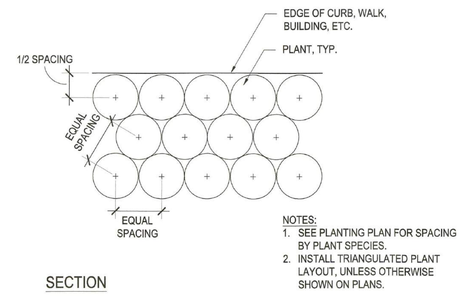
4 SLOPE PLANTING
3/4" = 1'-0"



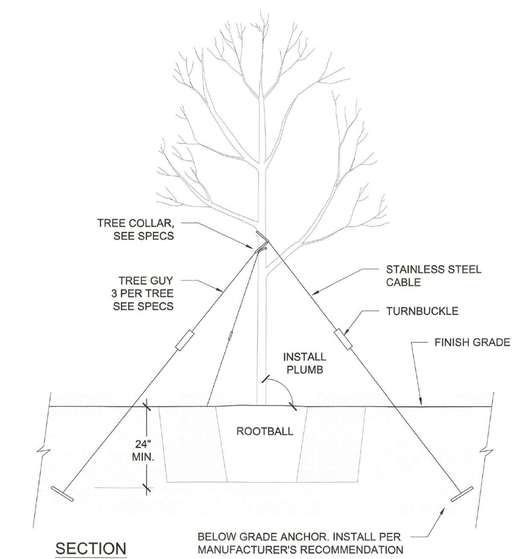
5 SHRUB PLANTING
3/4" = 1'-0"



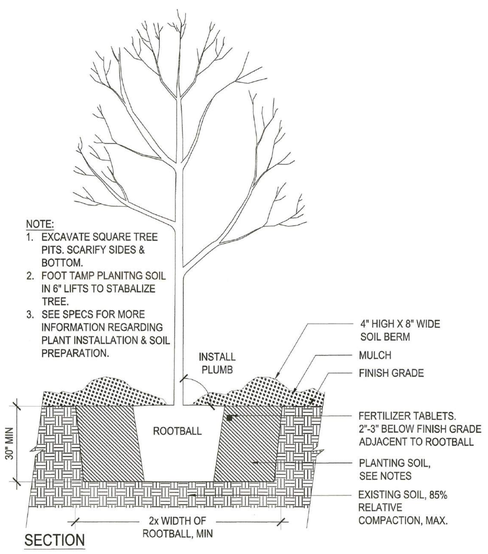
1 PERENNIAL PLANTING
3/4" = 1'-0"



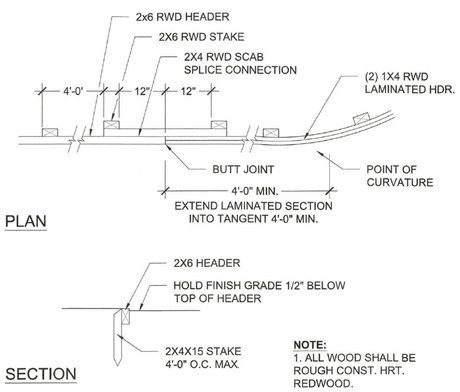
2 GROUNDCOVER LAYOUT
1/2" = 1'-0"



8 TREE GUYING
3/4" = 1'-0"



6 TREE PLANTING
3/4" = 1'-0"



NOTE:
1. ALL WOOD SHALL BE ROUGH CONST. HRT. REDWOOD.

3 WOOD HEADER
3/4" = 1'-0"

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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LICENSED LANDSCAPE ARCHITECT
5.31.18
8.24.16
STATE OF CALIFORNIA

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	8/26/16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

PLANTING DETAILS

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

L402

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LEGEND

MV — MASTER VALVE
GRISWOLD PRESSURE REGULATING VALVE OP
APPROVED EQUAL, NORMALLY OPEN (LINE SIZE),
AS RECOMMENDED BY CONTROLLER MFG

FM — FLOW METER
RAINBIRD 1.5" FS-150-P W/ SENSOR DECODER
SD-210TURF OR APPROVED EQUAL
5 - 100 GPM / MAX. 100 PSI (PLASTIC) , MAX. 400
PSI (METAL)

M — IRRIGATION METER

C — IRRIGATION CONTROLLER SYSTEM
- RAINBIRD ESP-LXMEF, 24-STATION,, WALL MOUNTED OR APPROVED EQUAL
- ETC-LX ET MANAGER CARTRIDGE WITH ET BOOSTER
- LIMR REMOTE CONTROL
- HARDWIRED RAINBIRD SENSOR RSD-CE, LOCATE ON ROOF.

MAINLINE: 2", SCHEDULE 40 PVC

SLEEVE: CLASS 200 PVC, 4" SIZE

LOW VOLUME MICRO SPRAY RAINBIRD — POP-UP MICRO SPRAY
RAINBIRD XERI-POP 6" SPRAY HEAD W/ 5-SERIES MPR NOZZLES
F NOZZLE = 5' THROW RADIUS (0.41 GPM @ 30 PSI)
H NOZZLE = 5' THROW RADIUS (0.20 GPM @ 30 PSI)
Q NOZZLE = 5' THROW RADIUS (0.10 GMP @ 30 PSI)

SURFACE DRIP IRRIGATION ZONE — SURFACE DRIP IRRIGATION ZONE
RAINBIRD, 2 DRIP EMITTERS PER PLANT

DEEP WATERING TUBES:
RAINBIRD RWS-B-C-1402,
0.5 GPM, 2 PER TREE

LATERAL LINE: CLASS 200

QUICK COUPLING VALVE:
RAINBIRD 5-LRC, BRASS, LOCKING COVER,
1-PIECE BODY
10 - 125 GPM / 5 - 125 PSI.

CONTROL VALVE:

MEDIUM+HIGH FLOW	LOW FLOW-DRIP ZONES	LOW FLOW-MICROSPRAY ZONES
RAINBIRD PESB w/ PRS-DIAL PRESSURE REGULATING MODULE 5 - 200 GPM / UP TO 100 PSI.	RAINBIRD XERIGATION CONTROL ZONE KIT XCZF-175-PRF 3 - 15 GPM / 15 - 150 PSI.	RAINBIRD XERIGATION CONTROL ZONE KIT XCZ-150-PRB-COM 15-40 GPK / 20 - 150 PSI.

X — CONTROLLER / STATION NUMBER
XX — FLOW RATE (GPM)
VALVE SIZE (INCHES)

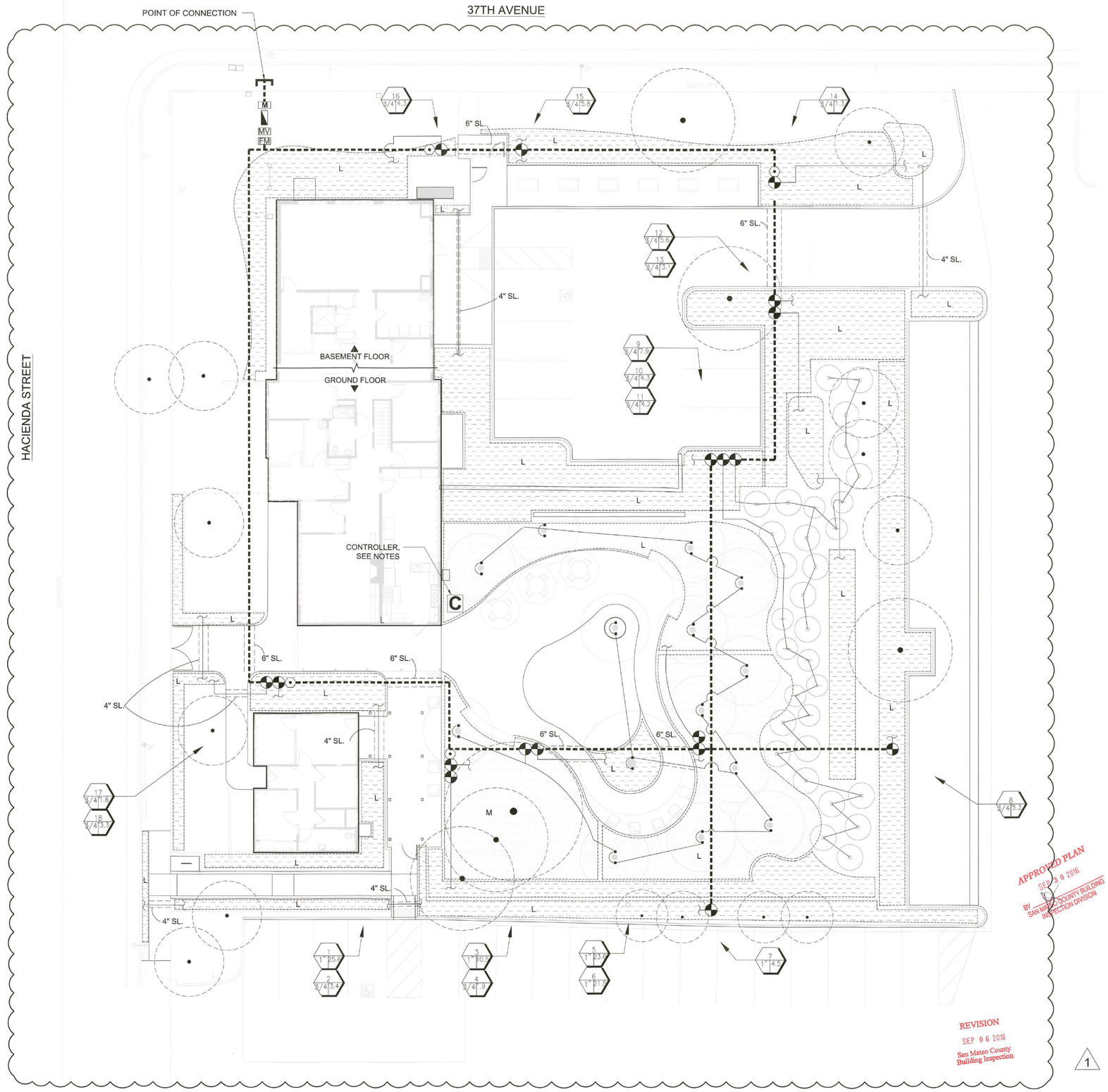
GENERAL IRRIGATION NOTES

1. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE IN REVIEWING ALL EXISTING IRRIGATION EQUIPMENT TO MAKE DETERMINATION ON POTENTIAL SALVAGE AND REUSE.
2. THIS SYSTEM IS DESIGNED TO OPERATE AT 30 PSI MINIMUM. THE AVAILABLE WATER PRESSURE OF THE EXISTING SYSTEM TO BE VERIFIED. REPORT FINDINGS TO OWNER AND RECEIVE WRITTEN PERMISSION TO PROCEED, BEFORE BEGINNING.
3. THIS IS A RETROFIT OF AN EXISTING SYSTEM. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND EQUIPMENT AND NOTIFY RESIDENT ENGINEER OF ANY CONFLICTS AND DISCREPANCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL MAKE SYSTEM ADJUSTMENTS TO THE EXISTING SYSTEM TO REMAIN. CONTRACTOR SHALL INTEGRATE AND CONNECT IRRIGATION FOR EXISTING LANDSCAPE TO REMAIN WITH THE NEW CONTROLLER AND MAINLINE. INSTALL NEW CONTROL VALVES TO SERVICE EXISTING AREAS.
4. THESE IRRIGATION DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, ETC. INVESTIGATE THE FINISH CONDITIONS AFFECTING ALL THE IRRIGATION WORK AND PLAN THE WORK ACCORDINGLY, FURNISHING SUCH FITTINGS, ETC., AS MAY BE REQUIRED TO MEET SUCH CONDITIONS. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. INSTALL WORK IN SUCH A MANNER AS TO AVOID CONFLICTS BETWEEN IRRIGATION SYSTEM, PLANTING AND ARCHITECTURAL FEATURES. NOTIFY AND COORDINATE IRRIGATION CONTRACT WORK WITH APPLICABLE CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE, CONDUIT OR SLEEVES THROUGH OR UNDER WALLS, ROADWAYS, PAVING AND STRUCTURES BEFORE CONSTRUCTION. IN THE EVENT THESE NOTIFICATIONS ARE NOT PERFORMED, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR REQUIRED REVISIONS.
5. EXERCISE EXTREME CARE IN EXCAVATION IN WORKING NEAR EXISTING UTILITIES. VERIFY THE LOCATION AND CONDITION OF ALL UTILITIES. REPAIR ANY DAMAGE TO EXISTING UTILITIES OR ADJACENT PROPERTIES CAUSED BY OR DURING THE PERFORMANCE OF THE WORK AT NO ADDITIONAL COST TO THE OWNER. FIELD ADJUST IRRIGATION LOCATIONS TO AVOID CONFLICTS WITH UTILITIES.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF ALL IRRIGATION EQUIPMENT WITHIN THE DEMOLITION OF WORK AREAS AS AS SHOWN IN THE CIVIL DRAWINGS. CONTRACTOR SHALL NOTIFY THE ROWNER WHEN THE REMOVAL OF ANY EXISTING EQUIPMENT AFFECTS THE IRRIGATION OPERATIONS IN ANY EXISTING PLANTING AREAS TO REMAIN. THIS INCLUDES PLANTING AREAS BOTH INSIDE THE DEMOLITION LIMIT OF WORK, AND OUTSIDE THE DEMOLITION LIMIT OF WORK ADJACENT TO THE CONTRACT SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RE-ROUTE IRRIGATION LINES AS NECESSARY TO RESTORE IRRIGATION OPERATIONS FOR THESE AFFECTED AREAS. SEE NOTE 10 BELOW REGARDING AS BUILT DRAWINGS.

1

HYDROZONE SCHEDULE	
CONTROL VALVE #	WATER USE
CV1	MED
CV2	LOW
CV3	MED
CV4	LOW
CV5	LOW
CV6	LOW
CV7	LOW
CV8	LOW
CV9	LOW
CV10	LOW
CV11	LOW
CV12	LOW
CV13	LOW
CV14	LOW
CV15	LOW
CV16	LOW
CV17	LOW
CV18	LOW

PIPE SIZE CHART			
SIZE	CLASS 315	SCH 40	CLASS 200
1"	0-14	0-12	0-16
1-1/4"	15-24	13-21	17-26
1-1/2"	25-30	22-30	27-35
2"	31-49	31-49	36-55
2-1/2"	50-70	50-70	56-80



HYDROZONE LEGEND
L LOW WATER USE
M MEDIUM WATER USE

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE AND IRRIGATION DESIGN PLAN.

MANUELA KING, ASLA — FEB 5, 2016 (DATE)

MWELO NOTES:
1. PRESSURE REGULATING DEVICES ARE REQUIRED IF WATER PRESSURE IS BELOW OR EXCEEDS THE RECOMMENDED PRESSURE OF THE SPECIFIED IRRIGATION DEVICES.
2. CHECK VALVES OR ANTI-DRAIN VALVES ARE REQUIRED ON ALL SPRINKLER HEADS WHERE LOW POINT DRAINAGE COULD OCCUR.
3. A DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES.
4. A CERTIFICATE OF COMPLETION SHALL BE FILLED OUT AND CERTIFIED BY EITHER THE DESIGNER OF THE LANDSCAPE PLANS, IRRIGATION PLANS, OR THE LICENSED LANDSCAPE CONTRACTOR FOR THE PROJECT.
5. AN IRRIGATION AUDIT REPORT SHALL BE COMPLETE AT THE TIME OF THE FINAL INSPECTION.

APPROVED PLAN SEP 0 9 2016 BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

REVISION SEP 0 6 2016 San Mateo County Building Inspection

1

SCALE: 1"=10'-0"

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LICENSED LANDSCAPE ARCHITECT — MANUELA KING — 5.31.16 — STATE OF CALIFORNIA

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	8/26/16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

IRRIGATION PLAN, NOTES & LEGEND

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

L501

CONSTRUCTION DOCUMENTS BID SET

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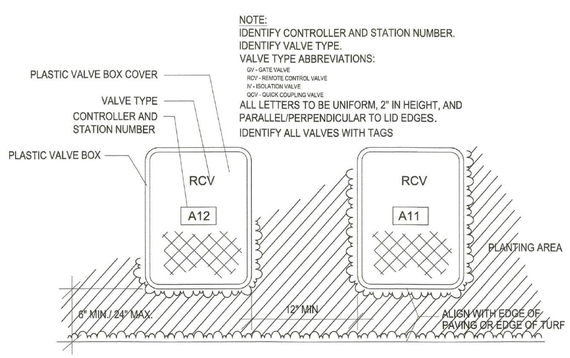
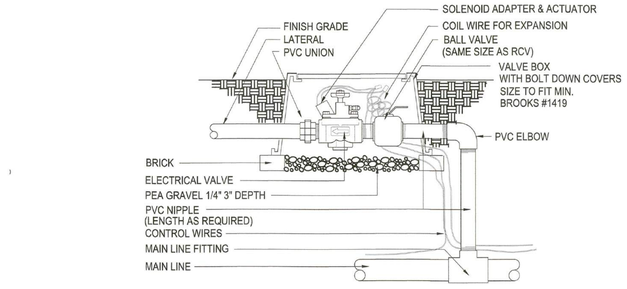
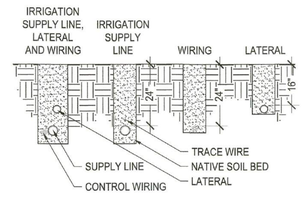


7 VALVE BOXES
NTS



NOTES:
1. BUNDLE AND TAPE WIRE EVERY 10 FEET
2. PROVIDE 36" EXPANSION LOOP AT EACH WIRE CONNECTION
3. SIZE BOX TO INCLUDE RCV AND BALL VALVES
4. CONTRACTOR TO INSTALL NECESSARY SOLENOID ADAPTAR FOR PROPER ATTACHEMENT OF ACTUATOR

4 REMOTE CONTROL VALVE
1/2" = 1'-0"



NOTES:
1. LAY IRRIGATION SUPPLY LINE ON NATIVE SOIL BED UNLESS SAND BED IS SPECIFIED
2. BUNDLE AND TAPE WIRE EVERY TEN FEET
3. PROVIDE 36" COVER OVER ALL PIPE AND PIPE SLEEVES UNDER ROADWAYS, PARKING LOTS, ENTRANCES TO PARKING LOTS AND FIRE ACCESS LANES PER NFPA 24, SECTION 10.44.
4. PROVIDE SEPARATE SLEEVES FOR ALL WIRES CROSSING UNDER ROADWAYS, PARKING LOTS AND FIRE ACCESS LANES PER NFPA 24, SECTION 10.44.

1 IRRIGATION TRENCHING
1/2" = 1'-0"

1. PLANT MATERIAL
2. FINISH GRADE
3. MICRO-SPRAY POP-UP: RAIN BIRD XERI-POP XP-1200X
4. ¼" BARB TRANSFER CONNECTOR: RAIN BIRD XBF1CONN
5. ½" POLYETHYLENE TUBING: RAIN BIRD XF SERIES TUBING OR RAIN BIRD XT-700 XERI-TUBE OR RAIN BIRD XBS BLACK STRIPE TUBING
6. ¼" DISTRIBUTION TUBING: RAIN BIRD XQ TUBING (LENGTH AS REQUIRED)

NOTE:
1. RAIN BIRD XERI-POP CAN UTILIZE THE FOLLOWING NOZZLES:
   SQ SQUARE NOZZLES (FORMERLY XPCN)
   5 SERIES MPR NOZZLES (ALL CONFIGURATIONS)
   5 SERIES PLASTIC BUBBLERS
   8 SERIES MPR NOZZLES (8H, 8T AND 8Q)

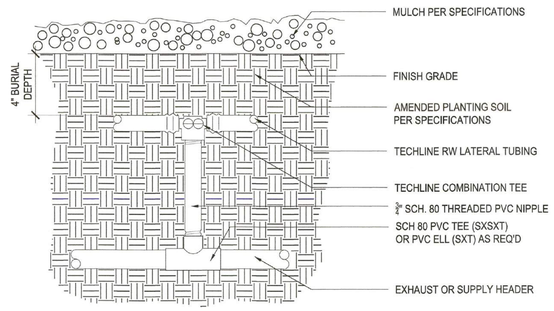
8 XERI-POP MICRO SPRAY
NTS

NOTES:
1. HEAT BRAND LID W/GV. TYPICAL ON ALL BOXES.
2. GATE VALVE AND FITTINGS SHALL BE LINE SIZE UNLESS NOTED OTHERWISE.
3. PLACE ¾" DIA. ROCK PRIOR TO INSTALLATION OF VALVE BOX.
4. USE TEFLON TAPE ON ALL THREADED FITTINGS.

5 ISOLATION GATE VALVE
3" = 1'-0"

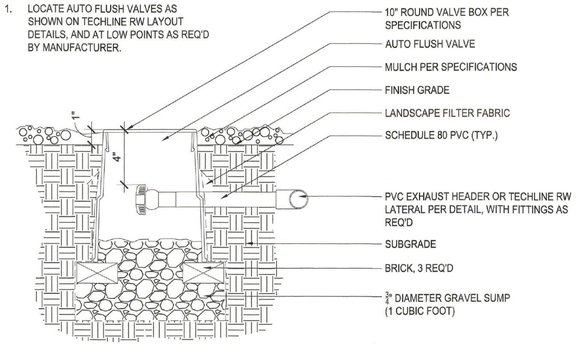
NOTE:
1. INSTALL CONTROLLER PER MANUFACTURERS RECOMMENDATIONS FOLLOW ALL APPLICABLE ELECTRICAL CODES. CONTRACTOR TO COORDINATE IRRIGATION ELECTRICAL AND WATER CONNECTIONS.

2 WALL MOUNTED IRRIGATION CONTROLLER
3" = 1'-0"

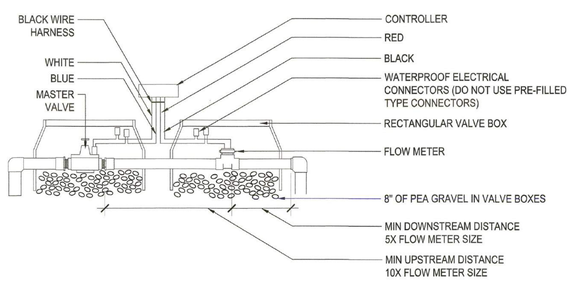


9 DRIP TUBING START CONNECTION
3" = 1'-0"

NOTE:
1. LOCATE AUTO FLUSH VALVES AS SHOWN ON TECHLINE RW LAYOUT DETAILS, AND AT LOW POINTS AS REQ'D BY MANUFACTURER.



6 AUTO FLUSH VALVE
3" = 1'-0"



APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY
TO REMAIN ON SITE AT ALL TIMES

REVISION
SEP 06 2016
San Mateo County Building Inspection

3 MASTER VALVE AND FLOW METER
3/4" = 1'-0"

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LICENSED ARCHITECT — REGISTERED — STATE OF CALIFORNIA
8.31.16
8.24.16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	8/26/16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

IRRIGATION DETAILS

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

L502

CONSTRUCTION DOCUMENTS BID SET

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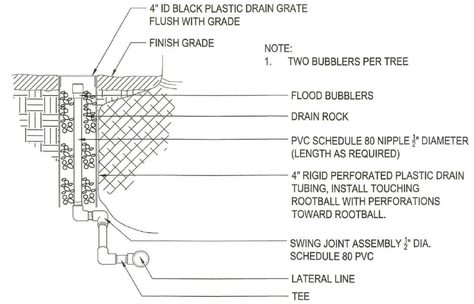
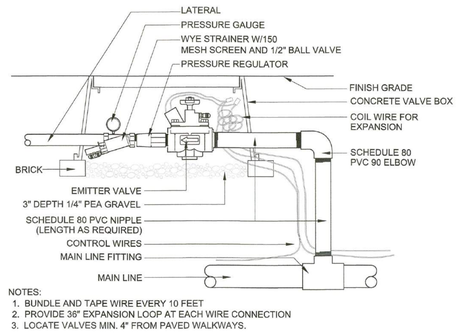


4 ROOT WATER SYSTEM

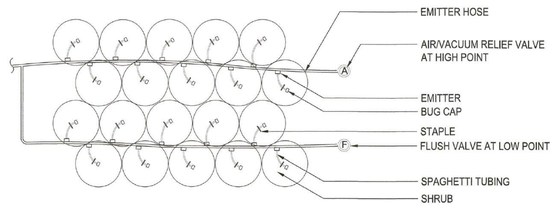
3"=1'-0"



NOTES:
1. BUNDLE AND TAPE WIRE EVERY 10 FEET
2. PROVIDE 36" EXPANSION LOOP AT EACH WIRE CONNECTION
3. LOCATE VALVES MIN. 4" FROM PAVED WALKWAYS.

1 DRIP REMOTE CONTROL VALVE

1/2" = 1'-0"

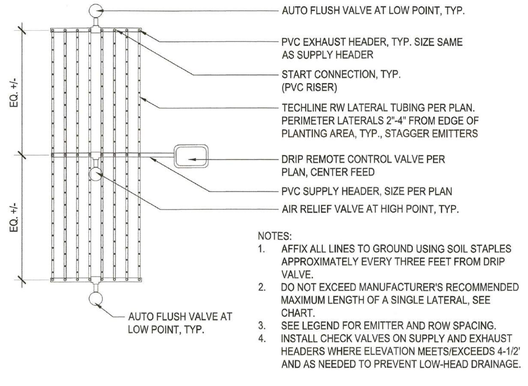


5 DRIP TUBING EMITTOR LAYOUT

3/16" = 1'-0"

2 VALVE GROUPING LAYOUT

NTS



NOTES:
1. AFFIX ALL LINES TO GROUND USING SOIL STAPLES APPROXIMATELY EVERY THREE FEET FROM DRIP VALVE.
2. DO NOT EXCEED MANUFACTURER'S RECOMMENDED MAXIMUM LENGTH OF A SINGLE LATERAL, SEE CHART.
3. SEE LEGEND FOR EMITTER AND ROW SPACING.
4. INSTALL CHECK VALVES ON SUPPLY AND EXHAUST HEADERS WHERE ELEVATION MEETS/EXCEEDS 4-1/2' AND AS NEEDED TO PREVENT LOW-HEAD DRAINAGE.

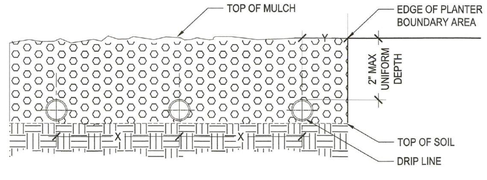
6 DRIP TUBING LAYOUT

1" = 1'-0"

X DIMENSION (INCHES)	Y DIMENSION (INCHES)
12	4 OR 6

NOTE:
1. TYPICAL DIMENSIONS FOR DRIP LINE GRID LAYOUT IN PLANTING AREAS.
2. COORDINATE PLANTING INSTALLATION WITH GRID LAYOUT TO AVOID DAMAGE TO INSTALLED DRIP LINE AND TO PROVIDE UNIFORM IRRIGATION COVERAGE.
3. INSTALL DRIPLINE PARALLEL TO CONTOUR LINES.

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION



REVISION
SEP 06 2016
San Mateo County
Building Inspection

3 DRIP TUBING ON GRADE INSTALLATION

6" = 1'-0"

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170 Maiden Lane, 5th Floor
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LICENSED LANDSCAPE ARCHITECT
5/31/16
6/26/16
STATE OF CALIFORNIA

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	8/26/16

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

IRRIGATION DETAILS

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

L503

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MECHANICAL SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

(E)	EXISTING
A/C	AIR CONDITION(ED)
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
BDD	BACKDRAFT DAMPER
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
CD	CEILING DIFFUSER
CD	CONDENSATE DRAIN
CONT.	CONTINUATION
COP	COEFFICIENT OF PERFORMANCE
CU	CONDENSING UNIT
CV	CHECK VALVE
CW	COLD WATER
D	DROP
DB	DECIBEL
DB	DRY BULB
DIA	DIAMETER
DX	DIRECT EXPANSION
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATING
EF	EXHAUST FAN
EFF	EFFICIENT
ELECT	ELECTRICAL
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
F	FAHRENHEIT
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FT	FEET
GAL	GALLONS
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	HEAD
HP	HORSEPOWER
HTG	HEATING
HTR	HEATER
HWC	HOT WATER COIL
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCHES
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS.	POUNDS
LH	LATENT HEAT
MA	MIXED AIR
MAX	MAXIMUM
MBH	THOUSAND BTU'S PER HOUR
MD	MOTORIZED DAMPER
MIN	MINIMUM
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO.	NUMBER
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OD	OUTSIDE DIAMETER
PD	PRESSURE DROP
PH	PHASE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
R	RISE
RA	RETURN AIR
RET	RETURN
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SEER	SEASONAL ENERGY EFFICIENCY RATING
SF	SQUARE FEET
SH	SENSIBLE HEAT
SOV	SHUT OFF VALVE
SP	STATIC PRESSURE
T, TEMP	TEMPERATURE
TD	TEMPERATURE DIFFERENCE
TH	TOTAL HEAT
TP	TOTAL PRESSURE
V	VOLT
W/	WITH
W	WATT
WB	WET BULB
WC	WATER COLUMN

Dampers

FIRE DAMPER

FIRE/SMOKE DAMPER

MOTORIZED DAMPER

SMOKE DAMPER

VOLUME DAMPER

Diffusers and Grilles

EXHAUST AIR

RETURN AIR

SUPPLY AIR

DIFFUSER OR GRILLE IDENTIFICATION

Ductwork Fittings

ACOUSTICALLY LINED DUCT (SIZES SHOWN ARE NET INSIDE)

BELLMOUTH

CONCENTRIC SQUARE TO ROUND

CONCENTRIC TRANSITION, RECTANGULAR OR ROUND

ECCENTRIC TRANSITION, RECTANGULAR OR ROUND

FLEXIBLE CONNECTION

MITERED ELBOW WITH TURNING VANES

NON-SYMMETRICAL WYE

RADIUSED ELBOW

RECTANGULAR DUCT DROP

RECTANGULAR DUCT RISER

RECTANGULAR MAIN WITH RECTANGULAR BRANCH

RECTANGULAR MAIN WITH ROUND BRANCH

RECTANGULAR OFFSET LESS THAN 15°

RECTANGULAR OFFSET MORE THAN 15°

ROUND DUCT DROP

ROUND DUCT RISER

ROUND DUCT WITH ROUND BRANCH

ROUND WYE

SYMMETRICAL WYE

Equipment

CHILLER, AIR COOLED

CHILLER, WATER COOLED

COOLING TOWER

Piping Fittings, Appurtenances and Equipment

AIR SEPARATOR

AUTOMATIC AIR VENT

BACKFLOW PREVENTER

CAP

CONTINUATION

EXPANSION JOINT

EXPANSION LOOP

EXPANSION TANK

FLOW SWITCH

HEAT EXCHANGER

HOSE BIBB

MANUAL AIR VENT

PIPE DROP

PIPE RISE

PIPE TO DRAIN

PRESSURE GAUGE WITH COCK

PRESSURE RELIEF VALVE

PRESSURE SENSOR

SHOCK ABSORBER

T&P RELIEF VALVE WITH PIPE TO DRAIN

TEE DOWN ON PIPE

TEE UP ON PIPE

TEMPERATURE SENSOR

TEST PORT (PETE'S PLUG OR EQUAL)

THERMOMETER

VENT TO ATMOSPHERE

WATER METER

Piping Systems

RL — REFRIGERANT LIQUID

RS — REFRIGERANT SUCTION

Piping Valves

CHECK VALVE

GLOBE VALVE

QUARTER TURN VALVE

VALVE, GENERAL

GENERAL DEMOLITION NOTES

A. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE CONDITION OF EXISTING EQUIPMENT, EXACT SIZES AND LOCATION OF EXISTING DUCT AND PIPING, ETC. BEFORE DEMOLITION WORK BEGINS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL FIELD CONDITIONS TO ARCHITECT AND ENGINEER PRIOR TO THE COMMENCEMENT OF DEMOLITION WORK.

B. SCHEDULE NEW AND DEMOLITION WORK IN ADVANCE WITH OWNER.

C. CONTRACTOR SHALL REMOVE EXISTING HVAC EQUIPMENT AND ASSOCIATED MATERIALS AS SHOWN AND TURN OVER TO OWNER OR REMOVE FROM SITE AS DIRECTED BY OWNER.

D. CONTRACTOR SHALL VERIFY CLEARANCE REQUIREMENTS AND INDICATE ROUTING OF NEW DUCTWORK BEFORE FABRICATION BEGINS AS RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.

E. COORDINATE WITH MECHANICAL AND ELECTRICAL CONTRACTOR ALL CEILING REMOVAL WHICH IS REQUIRED TO ACCESS THEIR WORK AND IS NOT DESIGNATED FOR REMOVAL. NOTIFY ARCHITECT AND OWNER PRIOR TO COMMENCING REMOVAL. IF EXISTING CEILING IS DETERMINED TO REQUIRE REMOVAL, REMOVE ONLY THAT PORTION NECESSARY TO ACCESS AND COMPLETE THE NEW WORK. UPON COMPLETION OF THE ABOVE CEILING WORK, CEILING IS TO BE REPLACED TO MATCH EXISTING CEILING.

F. CONTRACTOR SHALL NOTIFY OWNER UPON DISCOVERY OF ANY DUCT DEBRIS, MOLD, ETC. THAT REQUIRE ADDITIONAL CLEANING PRIOR TO RECONNECTING TO NEW DUCT.

GENERAL FIRE PROTECTION NOTES

A. THE FIRE PROTECTION SYSTEM WILL BE DEFERRED APPROVAL AND IS THE RESPONSIBILITY OF THE DESIGN BUILD CONTRACTOR. PROVIDE DESIGN BUILD FOR ANY REQUIRED MODIFICATION TO THE EXISTING SYSTEM TO PROVIDE A FULL COVERAGE, AUTOMATIC SPRINKLER SYSTEM. DESIGN AND HYDRAULIC CALCULATION SHALL BE PROVIDED BY A CALIFORNIA LICENSED ENGINEER OR CONTRACTOR, AND SHALL BE IN COMPLIANCE WITH THE LATEST ADOPTED EDITION OF THE CBC, CFC, AND REQUIREMENTS OF THE AHJ.

SEISMIC BRACING REQUIREMENTS

A. PROVIDE SEISMIC BRACING OF HVAC EQUIPMENT, DUCTWORK, AND PIPING IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST BUILDING CODE WITH AN IMPORTANCE FACTOR IDENTIFIED ON ARCHITECTURAL AND STRUCTURAL DOCUMENTS.

B. REFER TO STRUCTURAL DRAWINGS FOR CONCRETE ANCHOR TYPE AND INSTALLATION REQUIREMENTS.

C. SUBMIT SEISMIC BRACING DETAILS FOR REVIEW.

D. UNLESS THE STRUCTURAL DRAWINGS HAVE AN ENGINEERED SYSTEM, OR THE CONTRACTOR PROVIDES ENGINEERED SYSTEMS SIGNED BY A CALIFORNIA REGISTERED CIVIL OR STRUCTURAL ENGINEER, SUPPORT AND BRACE DUCTWORK, PIPING, AND APPURTENANCES WITH OSHPD PRE-APPROVED SYSTEMS (WHETHER AN OSHPD PROJECT OR NOT):

1. OPM-0043-13 MASON SEISMIC RESTRAINT COMPONENTS FOR SUSPENDED UTILITIES.
2. OPM 0052-13 B-LINE /TOLCO SEISMIC BRACING AND SUPPORT SYSTEMS.

E. WITHOUT ANY EXCEPTIONS, BRACE EVERY RUN OF DUCT DESIGNED TO CARRY TOXIC OR EXPLOSIVE GASSES, OR USED FOR SMOKE CONTROL OR PRESSURIZATION AIR. FOR OTHER DUCTWORK BRACE EVERY RUN OF DUCT WITH A CROSS SECTIONAL AREA OF LARGER THAN 6 SQ.FT., EXCEPT THAT BRACING OF DUCTWORK WITH SUPPORT ROD LENGTH LESS THAN 12 INCHES IS NOT REQUIRED. ROD LENGTH SHALL BE AS MEASURED FROM TOP OF DUCT TO BOTTOM OF SUPPORT WHERE THE HANGER IS ATTACHED. SEISMIC BRACING, WHERE SHOWN ON DRAWINGS, IS THE MINIMUM REQUIRED; PROVIDE ADDITIONAL BRACING AS REQUIRED BY OPM-0043-13, OR EQUAL.

F. BRACE DUCTWORK FOR EACH STRAIGHT OF DUCT WITH THE FOLLOWING REQUIREMENTS (SEE OPM-0043-13 FOR ADDITIONAL REQUIREMENTS):

1. LONGITUDINAL BRACING: MINIMUM 1, WITH MAXIMUM SPACING OF 60'.
2. TRANSVERSE BRACING: MINIMUM TWO, WITH MAXIMUM SPACING OF 30', AT END OF DUCT RUNS HAVING MIN OF 2 SUPPORTS, AND AT EVERY DROP OR RISE EXCEPT FOR CONNECTION TO DIFFUSERS WHERE THE ELEVATION CHANGE OF CONNECTING DUCTWORK IS LESS THAN 24 INCHES.

GENERAL MECHANICAL NOTES

A. PROVIDE MISCELLANEOUS METALS AND MATERIALS FOR A COMPLETE INSTALLATION (IE. SUPPORT, BRACING, ETC.)

B. PROVIDE EQUIPMENT SUBMITTAL FOR REVIEW, IN ACCORDANCE WITH THE SPECIFICATIONS. DO NOT DELIVER TO THE JOB SITE ANY PRODUCTS WITHOUT PRIOR REVIEW BY THE ARCHITECT. SUBMIT, AT ONE TIME, ALL REQUIRED SUBMITTALS. AT CONTRACTOR'S OPTION 3 SEPARATE SUBMITTALS MAY BE SUBMITTED, CONSISTING OF: UNDERGROUND WORK, BUILDING WORK, AND BUILDING AUTOMATION SYSTEM - DEVIATIONS WILL BE RETURNED WITHOUT REVIEW. INCOMPLETE SUBMITTALS WILL BE RETURNED WITHOUT REVIEW. ENGINEER WILL PROVIDE MAXIMUM OF TWO REVIEWS OF SUBMITTAL PACKAGE. ARRANGE FOR ADDITIONAL REVIEWS AND/OR EARLY REVIEW OF LONG-LEAD ITEMS AND BEAR COSTS OF THESE ADDITIONAL REVIEWS AT ENGINEER'S STANDARD HOURLY RATES. SUBSTITUTION REQUESTS WILL NOT BE REVIEWED AFTER AWARD OF CONTRACT.

C. PROVIDE SMOKE DETECTORS IN MAIN SUPPLY AIR DUCT OF ANY SUPPLY AIR SYSTEM WITH AIR QUANTITY OF MORE THAN 2000 CFM OR OF SUPPLY AIR SYSTEM(S) WHERE THE COMBINED SUPPLY AIR QUANTITY OF SUPPLY AIR SYSTEM(S) SUPPLYING AIR INTO ONE ZONE EXCEED 2000 CFM.

D. WHERE COMBINATION FIRE AND SMOKE DAMPER IS SHOWN IMMEDIATELY BEHIND A WALL MOUNTED GRILLE AND THERE IS INSUFFICIENT ACCESS AT DUCTWORK, ENLARGE THE WIDTH OF THE GRILLE AND FSD BY A MINIMUM OF 6 INCHES, OR AS OTHERWISE REQUIRED BY FSD MANUFACTURER, AND PROVIDE A "FRONT ACCESS" FSD FOR ACCESS TO FSD COMPONENTS FROM FACE OF GRILLE. INSTALL GRILLE FLUSH WITH WALL SURFACE AND LOCATE DAMPER ACTUATOR OUTSIDE OF THE AIRSTREAM. FSD'S SHALL BE RUSKIN FSD-60FA OR EQUAL.

E. PRIOR TO SUBMISSION OF BID, REVIEW A COMPLETE SET OF CONSTRUCTION DOCUMENTS (INCLUDING ALL OTHER TRADES). INCLUDE ADDITIONAL PIPE OR DUCT OFF-SETS THAT MAY BE REQUIRED TO CLEAR STRUCTURE, FINISHES OR WORK OF OTHER TRADES. FIELD VERIFY EXACT LOCATION AND SIZES OF EXISTING UTILITIES. THE PROPOSED POINT OF CONNECTIONS TO EXISTING SYSTEMS, AND NEW ROUTINGS. EXTRA PAYMENT WILL NOT BE ALLOWED FOR WORK RESULTING FROM LACK OF APPRAISAL OF ENTIRE SCOPE OF WORK PRIOR TO BID. SYSTEM LAYOUTS AS INDICATED ON DRAWINGS ARE GENERALLY DIAGRAMMATIC BUT SHALL BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION WILL PERMIT.

F. PROVIDE DUCT ACCESS DOORS FOR EQUIPMENT AND DEVICES REQUIRING ACCESS OR RESETTING (IE. FIRE AND SMOKE DAMPERS, SMOKE DAMPERS, SENSORS, ETC.) INDICATE SIZE AND LOCATION ON COORDINATED SHOP DRAWINGS.

G. FLASH AND COUNTER FLASH ALL ROOF PENETRATIONS TO SEAL WEATHER TIGHT (SEE ARCHITECTURAL ROOFING DETAILS AND SPECIFICATIONS).

H. PROVIDE DUCTWORK AND TRANSITIONS EQUAL TO DUCT FREE AREA SHOWN ON DRAWINGS. TO PREVENT A SPATIAL CONFLICT. AT CONTRACTOR'S OPTION AND IF SPATIAL CONSTRAINTS ALLOW IT, ROUND SPIRAL DUCTWORK, OF EQUAL CROSS-SECTIONAL AREA OR LARGER, MAY BE USED IN LIEU OF RECTANGULAR DUCTWORK WHERE SHOWN ON PLANS.

I. PROVIDE FIELD INSTALLED OR MANUFACTURER'S REFRIGERANT LINE SETS BETWEEN THE SPLIT SYSTEMS' INDOOR AND OUTDOOR COMPONENTS. SIZING, QUANTITY, AND INSTALLATION OF PIPES SHALL BE PER MANUFACTURER'S RECOMMENDATIONS BAISED ON ACTUAL FIELD INSTALLED LENGTH. PROVIDE HARD WIRED THERMOSTATS AND CONTROL WIRING IN CONDUIT BETWEEN INDOOR AND OUTDOOR UNITS.

J. EQUIPMENT, HVAC DUCTS, PIPING AND OTHER DEVICES AND MATERIALS INSTALLED OUTDOORS OR EXPOSED TO WEATHER SHALL BE WEATHER PROOF.

K. USE FLEXIBLE DUCTS ONLY FOR THE LAST 5 FEET MAXIMUM AT AIR OUTLETS.

L. PROVIDE MANUAL VOLUME DAMPERS AT EACH GRILLE, REGISTER, AND DIFFUSER, AND LOCATE EQUIDISTANCE BETWEEN BRANCH TAKEOFF AND AIR INLET/OUTLET. DO NOT USE VOLUME DAMPERS INTEGRAL WITH GRILLES, DIFFUSERS AND REGISTERS FOR AIR BALANCING.

M. INSTALL EQUIPMENT WITH SUFFICIENT ACCESS TO PANELS, CONTROLS, FILTERS, MOTORS, ETC. COORDINATE ACCESS TO ALL DAMPERS, VALVES, AND OTHER SERVICEABLE EQUIPMENT. REVIEW CEILING HEIGHTS AND COORDINATE ACCESS PANEL LOCATIONS.

N. COORDINATE EQUIPMENT PLATFORMS, AND CUTTING AND PATCHING. OBTAIN WRITTEN PERMISSION FROM THE ARCHITECT PRIOR TO ANY STRUCTURAL MODIFICATIONS, CUTTING OR PATCHING WORK. KEEP SAW CUTTING TO A MINIMUM.

O. VERIFY DIFFUSERS, GRILLES, AND REGISTER MOUNTING FRAME TYPES WITH CONSTRUCTION TYPE AND CONFIGURATION.

P. PAINT FLAT BLACK ALL VISIBLE INTERIOR PORTIONS OF DUCTWORK.

Q. PROTECT AND ISOLATE DUCTS STORED ON CONSTRUCTION SITE FROM DUST CONTAMINATION.

R. COORDINATE LOCATION OF SENSORS AND THERMOSTATS WITH ARCHITECT. COMPLY WITH ADA REQUIREMENTS.

S. "DEMOLISH" OR "REMOVE" MEAN: REMOVE AND RETURN TO OWNER FOR ACCEPTANCE, AND DISPOSE OF ANY ITEMS NOT ACCEPTED BY THE OWNER.

T. DUCT SMOKE DETECTORS TO BE FURNISHED BY DIVISION 28 OR 26 AND INSTALLED BY DIVISION 23.

U. COORDINATE WITH DIVISION 26 FOR LOCATION OF POWER AND LOCAL DISCONNECTS FOR MECHANICAL EQUIPMENT DEVICES. PROVIDE STARTERS FOR EQUIPMENT WITHOUT VFD'S, ECM MOTORS, OR EQUIPMENT WITHOUT INTEGRAL STARTERS.

V. MAINTAIN MINIMUM ELECTRICAL CODE AND UNIT MANUFACTURER'S CLEARANCES TO ADJACENT CONSTRUCTION OR EQUIPMENT, PER CEC OR THE FOLLOWING TABLE:

NOMINAL VOLTAGE	ONE-SIDE ACCESS	ACCESS-WAY FOR EXPOSED/LIVE PARTS ON BOTH SIDES
0-150	36 INCH	36 INCH
150-60042 INCH	48 INCH	

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

SHEET INDEX

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REVISION
SEP 06 2016
San Mateo County Building Inspection

PROJECT 2015-0429
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SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — No. M35681 — MECHANICAL — STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CD #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

SYMBOL LIST AND GENERAL NOTES - HVAC

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

M0.01

CONSTRUCTION DOCUMENTS BID SET

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CONDENSING UNIT SCHEDULE

SYMBOL	AREA SERVED	BASIS OF DESIGN MFR (OR APPROVED EQUAL)	BASIS OF DESIGN MODEL	ASSOC FAN	AIR SOURCE CONDENSER NOM TONS	AIR SOURCE CONDENSER CAP (MBH)	AIR SOURCE CONDENSER AMBIENT DB (°F)	AIR SOURCE CONDENSER EER	ELECTRICAL VOLTS	ELECTRICAL PH	ELECTRICAL MCA	ELECTRICAL MOCP	MAX WT (LBS)	NOTES
CU-1	MAIN	TRANE	XR14: 4TTR4060	F-1	5	60	95	14	208	1	35	60	300	1, 2, 3, 4, 6
CU-2	MAIN	TRANE	4TTR4044	FCU-2/FCU-3	3	36	95	9.3	208	1	26	45	185	1, 2, 3, 4, 5, 6
CU-3	ADMIN	TRANE	4TWR4024C	FCU-1	2	24	95	12	208	1	15	20	250	1, 2, 3, 4, 6

NOTES:
1. REFRIGERANT PIPE SIZES SHALL CONFORM WITH MANUFACTURER'S RECOMMENDATIONS.
2. DISCONNECT BY DIVISION 26.
3. PROVIDE UNIT WITH R-410A REFRIGERANT.
4. UNIT ON 6" CONCRETE PAD. SEE LANDSCAPE DRAWINGS FOR EXACT DIMENSION AND LOCATION.
5. CONDENSING UNIT AND FAN COIL UNITS TO HAVE SINGLE POINT OF POWER CONNECTION AT CONDENSING UNIT.
6. PROVIDE WALL MOUNTED PELICAN ENERGY MANAGEMENT THERMOSTAT MODEL TS200 WITH PELICAN EXTENDED RANGE WIRELESS GATEWAY MDOEL GW400 OR APPROVED EQUIVALENT.

FURNACE AND DX COOLING COIL SCHEDULE

SYMBOL	AREA SERVED	BASIS OF DESIGN MFR (OR APPROVED EQUAL)	BASIS OF DESIGN MODEL	SUPPLY FAN TOTAL CFM	SUPPLY FAN MIN OSA CFM	SUPPLY FAN ESP (IN H2O)	FAN MOTOR HP	DX COOLING COIL NOM TONS	DX COOLING COIL TOTAL CAP (MBH)	DX COOLING COIL SENS CAP (MBH)	DX COOLING COIL EDB (°F)	DX COOLING COIL EWB (°F)	DX COOLING COIL LDB (°F)	DX COOLING COIL LWB (°F)	DX COOLING COIL APD (IN H2O)	GAS FURNACE INPUT (MBH)	GAS FURNACE OUTPUT (MBH)	GAS FURNACE MIN EFF.	ELECTRICAL VOLTS	ELECTRICAL PH	ELECTRICAL MCA	ELECTRICAL MOCP	MAX WT (LBS)	NOTES
F-1	MAIN BUILDING	TRANE	TUD2D140A9602A	2200	600	0.5	3/4	5	60	48	80	67	60.6	57.5	0.25	140	111	80	115	1	13.6	20	250	1, 2, 3, 4, 5, 6, 7, 8, 9

NOTES:
1. REFRIGERANT PIPE SIZES AND ROUTING PER MANUFACTURER'S REQUIREMENTS.
2. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. PROVIDE REFRIGERANT PIPING AND ALL REQUIRED APPURTENANCES BETWEEN CONDENSIING UNIT AND COOLING COIL.
4. PROVIDE PVC COMBUSTION AIR AND FLUE VENT PIPES PER MANUFACTURER'S RECOMMENDATION. TERMINATE WITH SIDEWALL VENT KIT, BAYVENT2000 OR APPROVED EQUIVALENT.
5. PROVIDE CONDENSATE DRAIN PIPE TO NEAREST FLOOR DRAIN OR FLOOR SINK.
6. PROVIDE MERV8 FILTER BOX, OUTDOOR AND RETURN AIR CONTROL DAMPERS.
7. PROVIDE DUAL ZONE CONTROLS WITH CONTROL DAMPERS ON DISCHARGE DUCTS.
8. PROVIDE ECONOMIZER CONTROL BETWEEN 55 AND 75 DEG F OUTDOOR AIR.
9. PROVIDE CO2 DEMAND CONTROL VENTILATION OVERRIDE TO OPEN THE OA DAMPER TO MAINTAIN 800 PPM IN THE SPACE.

DIFFUSER, REGISTER AND GRILLE SCHEDULE

SYMBOL	TYPE	FACE	FRAME	DAMPER	FINISH	BASIS OF DESIGN	NOTES
CD-1	CEILING DIFFUSER	PERFORATED	SURFACE	NONE	WHITE	TITUS PCS	1, 2, 3
CRG-1	CEILING RETURN GRILLE	PERFORATED	SURFACE	NONE	WHITE	TITUS PAR	1, 2, 3
RG-1	RETURN GRILLE	FIXED BAR 35 DEG. DEFL.	1/4" BORDER	NONE	WHITE	TITUS 350R	1, 2, 3
SG-1	SUPPLY GRILLE	DOUBLE DEFL.	1/4" BORDER	NONE	WHITE	TITUS 300R	1, 2, 3
EG-1	EXHAUST GRILLE	EGGCRATE	1/4" BORFER	NONE	WHITE	TITUS 50-F	1, 2, 3

NOTES:
1. COORDINATE EXACT LOCATION WITH LIGHTS, SPRINKLER HEADS, AND ARCHITECTURAL DRAWINGS.
2. USE BORDER 2 FOR SURFACE MOUNT IN HARD CEILING, BORDER TYPE 3 FOR LAY-IN.
3. PROVIDE SQUARE TO ROUND ADAPTER AS REQUIRED.

MAKE-UP AIR UNIT SCHEDULE

SYMBOL	AREA SERVED	BASIS OF DESIGN MFR (OR APPROVED EQUAL)	BASIS OF DESIGN MODEL	SUPPLY FAN TOTAL CFM	SUPPLY FAN MIN OSA CFM	SUPPLY FAN ESP (IN H2O)	SUPPLY FAN MHP	SUPPLY FAN FRPM	FILTER EFF MERV	ELECTRICAL VOLTS	ELECTRICAL PH	ELECTRICAL WATT	MAX WT (LBS)	NOTES
MAU-1	KITCHEN	COOK	122KSPD	900	900	0.25	1	1089	8	115	1	241	300	1, 2, 3, 4, 5

NOTES:
1. PROVIDE DISCONNECT.
2. INTERLOCK WITH KITCHEN EXHAUST FAN.
3. MANUFACTURER PROVIDED SLOPED ROOF CURB TO MATCH WITH ROOF SLOPE.
4. PROVIDE WASHABLE FILTER.
5. UNIT TO BE SIDE DISCHARGE.

FAN SCHEDULE

SYMBOL	AREA SERVED	BASIS OF DESIGN MFR (OR APPROVED EQUAL)	BASIS OF DESIGN MODEL	TYPE	DRIVE	AIR FLOW (CFM)	TSP (IN H2O)	MAX RPM	SOUND (SONES)	ELECTRICAL VOLTS	ELECTRICAL PH	ELECTRICAL MCA	ELECTRICAL WATT	MAX WT (LBS)	NOTES
EF-1	BATHROOM	PANASONIC	FV-08VQL6	CEILING	DIRECT	80	0.1	825	0.3	120	1	0.12	14.9	25	1, 2
EF-2	BATHROOM	PANASONIC	FV-20VQ3	CEILING	DIRECT	170	0.25	950	1.4	120	1	0.34	43.7	25	1, 2
EF-3	BATHROOM	PANASONIC	FV-15VQL6	CEILING	DIRECT	128	0.25	988	1	120	1	0.26	30.9	25	1, 2
EF-4	IT ROOM	PANASONIC	FV-40VQ4	CEILING	DIRECT	390	0.1	793	3	120	1	0.99	111.4	25	1, 3

NOTES:
1. INTERLOCK WITH OCCUPANCY SENSOR AND SET TO TURN FAN OFF 5- MINUTE AFTER SENSOR IS TURN OFF.
2. PROVIDE DISCONNECT.
3. FAN TO RUN 24/7.

FAN COIL SCHEDULE (DX)

SYMBOL	AREA SERVED	BASIS OF DESIGN MFR (OR APPROVED EQUAL)	BASIS OF DESIGN MODEL	ASSOC CU	SUPPLY FAN TOTAL CFM	SUPPLY FAN MIN OSA CFM	SUPPLY FAN ESP (IN H2O)	DX COOLING COIL NOM TONS	DX COOLING COIL TOTAL CAP (MBH)	HEAT PUMP HTG (MBH)	ELECTRICAL VOLTS	ELECTRICAL PH	ELECTRICAL MCA	ELECTRICAL MOCP	MAX WT (LBS)	NOTES
FCU-1	ADMIN	TRANE	TAM7A0C36H31SD	CU-3	1110	225	0.3	3	36	24.6	230	1	4	15	116	2, 3, 4,5, 6, 7
FCU-2	MAIN BUILDING	TRANE	4MXX8524A10N0AA	CU-2	530	–	–	2	22.8	27.4	230	1	–	–	119	1, 2, 3, 4,5, 6, 7
FCU-3	MAIN BUILDING	TRANE	4MXX8518A10N0AA	CU-2	412	–	–	1.5	17	18.7	230	1	–	–	110	1, 2, 3, 4,5, 6, 7

NOTES:
1. SINGLE POINT OF POWER CONNECTION AT CONDENSING UNIT.
2. COMPLETE WITH 1" 30% PLEATED FILTER
3. CONTRACTOR SHALL COORDINATE WITH MFR. PIPING CONNECTION SIDE OF UNIT PRIOR TO ORDERING.
4. MFR. SHALL PROVIDE UINT WITH DELUXE PACKAGE VALVE SYSTEM. (INCLUDE THREE-WAY AUTOMATIC CONTROL VALVES, AUTO CIRCUIT SETTER, STRAINERS AND UNIONS AT THE COIL CONNECTIONS).
5. PROVIDE CONDENSATE PUMP. SEE PLUMBING DRAWINGS.
6. UNIT MFR. SHALL PROVIDE UNIT WITH CONDENSATE OVERFLOW DETECTION AND SHUT-DOWN.
7. MFR. SHALL PROVIDE UNIT WITH DISCONNECT SWITCH.

APPROVED PLAN
SEP 16 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

REVISION
SEP 06 2016
San Mateo County Building Inspection

PROJECT 2015-0429
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SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA.

REGISTERED PROFESSIONAL ENGINEER — JONATHAN C. Y. CHAN — No. M35681 — MECHANICAL — STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CC #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

SCHEDULES - HVAC

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

M0.02

CONSTRUCTION DOCUMENTS BID SET

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STATE OF CALIFORNIA
MECHANICAL SYSTEMS
CEC-NRCC-MCH-01-E (Revised 06/13) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-01-E
Mechanical Systems	(Page 1 of 4)
Project Name: Serenity House	Date Prepared: 8/24/2016

MECHANICAL COMPLIANCE FORMS & WORKSHEETS (check box if worksheet is included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, refer to the 2013 Nonresidential Manual
Note: The Enforcement Agency may require all forms to be incorporated onto the building plans.

YES	NO	Form/Worksheet #	Title
X	☐	NRCC-MCH-01E (Part 1 of 3)	Certificate of Compliance, Declaration. Required on plans for all submittals.
X	☐	NRCC-MCH-01E (Part 2 of 3)	Certificate of Compliance, Required Acceptance Tests (MCH-02A to 11A). Required on plans for all submittals.
X	☐	NRCC-MCH-01E (Part 3 of 3)	Certificate of Compliance, Required Acceptance Tests (MCH-12A to 18A). Required on plans where applicable.
X	☐	NRCC-MCH-02E (Part 1 of 2)	Mechanical Dry Equipment Summary is required for all submittals with Central Air Systems. It is optional on plans.
X	☐	NRCC-MCH-02E (Part 2 of 2)	Mechanical Wet Equipment Summary is required for all submittals with chilled water, hot water or condenser water systems. It is optional on plans.
X	☐	NRCC-MCH-03E	Mechanical Ventilation and Reheat is required for all submittals with multiple zone heating and cooling systems. It is optional on plans.

MECHANICAL HVAC ACCEPTANCE FORMS (check box for required forms)

Designer:
This form is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for HVAC systems. The designer is required to check the applicable boxes for all acceptance tests that apply and list all equipment that requires an acceptance test. All equipment of the same type that requires a test, list the equipment description and the number of systems.

Installing Contractor:
The contractor who installed the equipment is responsible to either conduct the acceptance test them self or have a qualified entity run the test for them. If more than one person has responsibility for the acceptance testing, each person shall sign and submit the Certificate of Acceptance applicable to the portion of the construction or installation for which they are responsible.

Enforcement Agency:
Plancheck – The NRCC-MCH-01-E form is not considered a completed form and is not to be accepted by the building department unless the correct boxes are checked.
Inspector - Before occupancy permit is granted all newly installed process systems must be tested to ensure proper operations.

Test Description: Equipment Requiring Testing or Verification	# of units	MCH-02A Outdoor Ventilation	MCH-03A Single Zone Unitary	MCH-04A Air Distribution Ducts	MCH-05A Economizer Controls	MCH-06A Demand Control Ventilation (DCV)	MCH-07A Supply Fan VAV	MCH-08A Valve Leakage Test	MCH-09A Supply Water Temp. Reset	MCH-10A Hydronic System Variable Flow Control	MCH-11A Automatic Demand Shed Control
Furnace	1	X	☐	☐	☐	X	☐	☐	☐	☐	☐
FCU-1	1	X	X	☐	☐	X	☐	☐	☐	☐	☐
FCU-2/FCU-3	2	X	X	☐	☐	X	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

STATE OF CALIFORNIA
MECHANICAL SYSTEMS
CEC-NRCC-MCH-01-E (Revised 06/13) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-01-E
Mechanical Systems	(Page 2 of 4)
Project Name: Serenity House	Date Prepared: 8/24/2016

MECHANICAL HVAC ACCEPTANCE FORMS (check box for required forms)

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Installing Contractor:
The contractor who installed the equipment is responsible to either conduct the acceptance test them self or have a qualified entity run the test for them. If more than one person has responsibility for the acceptance testing, each person shall sign and submit the Certificate of Acceptance applicable to the portion of the construction or installation for which they are responsible. The following tests require a

Enforcement Agency:
Plancheck – The NRCC-MCH-01-E form is not considered a completed form and is not to be accepted by the building department unless the correct boxes are checked.
Inspector - Before occupancy permit is granted all newly installed process systems must be tested to ensure proper operations.

Test Description: Equipment Requiring Testing or Verification	# of units	MCH-12A Fault Detection & Diagnostics for DX Units	MCH-13A Automatic Fault Detection & Diagnostics for Air & Zone	MCH-14A Distributed Energy Storage DX AC Systems	MCH-15A Thermal Energy Storage (TES) Systems	MCH-16A Supply Air Temperature Reset Controls	MCH-17A Condenser Water Reset Controls	MCH-18A ECMS
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STATE OF CALIFORNIA
MECHANICAL SYSTEMS
CEC-NRCC-MCH-01-E (Revised 06/13) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-01-E
Mechanical Systems	(Page 3 of 4)
Project Name: Serenity House	Date Prepared: 8/24/2016

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Justin Peterson	Documentation Author Signature:	
Company:	Interface Engineering	Signature Date:	8/24/16
Address:	135 Main Street, Suite 400	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	San Francisco/CA/94105	Phone:	415-489-7240

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Eunice Yoon	Responsible Designer Signature:	
Company:	Interface Engineering	Date Signed:	8/24/2016
Address:	135 Main Street, Suite 400	License:	M36681
City/State/Zip:	San Francisco/CA/94105	Phone:	415-489-7240

STATE OF CALIFORNIA
HVAC SYSTEM REQUIREMENTS
CEC-NRCC-MCH-02-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-02-E
HVAC Dry System Requirements	(Page 1 of 3)
Project Name: Serenity House	Date Prepared: 8/24/16

A. Equipment Tags and System Description[1] FCU-1, FCU-2, FCU-3, F-1

MANDATORY MEASURES	T-24 Sections	Reference to the Requirements in the Contract Documents[2]		
Heating Equipment Efficiency[3]	110.1 or 110.2(a)	M0.02		
Cooling Equipment Efficiency[3]	110.1 or 110.2(a)	M0.02		
HVAC or Heat Pump Thermostats	110.2(b), 110.2(c)	M2.01		
Furnace Standby Loss Control	110.2(d)	N/A		
Low leakage AHUs	110.2(f)	N/A		
Ventilation[4]	120.1(b)	M0.02		
Demand Control Ventilation[5]	120.1(c)4	N/A		
Occupant Sensor Ventilation Control[6]	120.1(c)5, 120.2(e)3	N/A		
Shutoff and Reset Controls[7]	120.2(e)	N/A		
Outdoor Air and Exhaust Damper Control	120.2(f)	N/A		
Isolation Zones	120.2(g)	N/A		
Automatic Demand Shed Controls	120.2(h)	N/A		
Economizer FDD	120.2(i)	N/A		
Duct Insulation	120.4	N/A		
PRESCRIPTIVE MEASURES				
Equipment is sized in conformance with 140.4 (a & b)	140.4(a & b)	(Y)N	Y/N	Y/N
Supply Fan Pressure Control	140.4(c)	N		
Simultaneous Heat/Cool[8]	140.4(d)	N		
Economizer	140.4(e)	N		
Heat and Cool Air Supply Reset	140.4(f)	N		
Electric Resistance Heating[9]	140.4(g)	N		
Duct Leakage Sealing and Testing.[10]	140.4(i)	N		

Notes:
1. *Provide equipment tags (e.g. AHU 1 to 10) and system description (e.g. Single Duct VAV reheat) as appropriate. Multiple units with common requirements can be grouped together.*
2. *Provide references to plans (i.e. Drawing Sheet Numbers) and/or specifications (including Section name/number and relevant paragraphs) where each requirement is specified. Enter "N/A" if the requirement is not applicable to this system.*
3. *The referenced plans and specifications must include all of the following information: equipment tag, equipment nominal capacity, Title 24 minimum efficiency requirements, and actual rated equipment efficiencies. Where multiple efficiency requirements are applicable (e.g. full- and part-load) include all. Where appliance standards apply (110.1), identify where equipment is required to be listed per Title 20 1601 et seq.*
4. *Identify where the ventilation requirements are documented for each central HVAC system. include references to both central unit schedules and sequences of operation. If one or more space is naturally ventilated identify where this is documented in the plans and specifications. Multiple zone central air systems must also provide a MCH-03-E form.*
5. *If one or more space has demand controlled ventilation identify where it is specified including the sensor specifications and the sequence of operation.*
6. *If one or more space has occupant sensor ventilation control identify where it is specified including the sensor specifications and the sequence of operation*
7. *If the system is DDC identify the sequences for the system start/stop, optimal start, setback (if required) and setup (if required). For all systems identify the specification for the thermostats and time clocks (if applicable).*
8. *Identify where the heating, cooling and deadband airflows are scheduled for this system. Include a reference to the specification of the zone controls. Provide a MCH-03-E form.*
9. *Enter N/A if there is no electric heating. If the system has electric heating indicate which exception to 140.4(g) applies.*
10. *If duct leakage sealing and testing is required, a MCH-04-A form must be submitted.*

STATE OF CALIFORNIA
HVAC WET SYSTEM REQUIREMENTS
CEC-NRCC-MCH-02-E (Revised 05/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-02-E
HVAC Wet System Requirements	(Page 2 of 3)
Project Name: Serenity House	Date Prepared: 8/24/16

B. Equipment Tags and System Description[1] N/A

MANDATORY MEASURES	T-24 Sections	Reference to the Requirements in the Contract Documents[2]		
Heating Hot Water Equipment Efficiency[3]	110.1	N/A		
Cooling Chilled and Condenser Water Equipment Efficiency[3]	110.1, 140.4(i)	N/A		
Open and Closed Circuit Cooling Towers conductivity or flow-based controls	110.2(e) 1	N/A		
Open and Closed Circuit Cooling Towers Maximum Achievable Cycles of Concentration (LSI)[4]	110.2(e) 2	N/A		
Open and Closed Circuit Cooling Towers Flow Meter with analog output	110.2(e) 3	N/A		
Open and Closed Circuit Cooling Towers Overflow Alarm	110.2(e) 4	N/A		
Open and Closed Circuit Cooling Towers Efficient Drift Eliminators	110.2(e) 5	N/A		
Pipe Insulation	120.3	N/A		
PRESCRIPTIVE MEASURES				
Cooling Tower Fan Controls	140.4(h)2, 140.4(h)5	Y(N)	Y/N	Y/N
Cooling Tower Flow Controls	140.4(h)3	N/A		
Centrifugal Fan Cooling Towers[4]	140.4(h)4	N/A		
Air-Cooled Chiller Limitation[5]	140.4(j)	N/A		
Variable Flow System Design	140.4(k)	N/A		
Chiller and Boiler Isolation	140.4(k)	N/A		
CHW and HHW Reset Controls	140.4(k)	N/A		
WLHP Isolation Valves	140.4(k)	N/A		
VSD on CHW, CW & WLHP Pumps >5HP	140.4(k)	N/A		
DP Sensor Location	140.4(k)	N/A		

Notes:
1. *Provide equipment tags (e.g. CH 1 to 3) or system description (e.g. CHW loop) as appropriate. Multiple units with common requirements can be grouped together.*
2. *Provide references to plans (i.e. Drawing Sheet Numbers) and/or specifications (including Section name/number and relevant paragraphs) where each requirement is specified. Enter "N/A" if the requirement is not applicable to this system.*
3. *The referenced plans and specifications must include all of the following information: equipment tag, equipment nominal capacity, Title 24 minimum efficiency requirements, and actual rated equipment efficiencies. Where multiple efficiency requirements are applicable (e.g. full- and part-load) include all. For chillers operating at non-standard efficiencies provide the Kadj values. For chillers also note whether the efficiencies are Path A or Path B.*
4. *Identify if cooling towers have propeller fans. If towers use centrifugal fans document which exception is used.*
5. *If air-cooled chillers are used, document which exceptions have been used to comply with 140.4(j) and the total installed design capacity of the air-cooled chillers in the chilled water plant.*
6. *Identify the existence of a completed MCH-06-E \when open or closed circuit cooling towers are specified to be installed, otherwise enter "N/A".*

STATE OF CALIFORNIA
HVAC SYSTEM REQUIREMENTS
CEC-NRCC-MCH-02-E (Revised 05/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-02-E
HVAC Wet System Requirements	(Page 3 of 3)
Project Name: Serenity House	Date Prepared: 8/24/16

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Justin Peterson	Documentation Author Signature:	
Company:	Interface Engineering	Signature Date:	8/24/16
Address:	135 Main Street, Suite 400	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	San Francisco/CA/94105	Phone:	415-489-7240

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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Responsible Designer Name:	Eunice Yoon	Responsible Designer Signature:	
Company:	Interface Engineering	Date Signed:	8/24/16
Address:	135 Main Street, Suite 400	License:	M36681
City/State/Zip:	San Francisco/CA/94105	Phone:	415-489-7240

STATE OF CALIFORNIA
MECHANICAL VENTILATION AND REHEAT
CEC-NRCC-MCH-03-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-03-E
Mechanical Ventilation & Reheat	(Page 1 of 2)
Project Name: Serenity House	Date Prepared: 8/24/16

ACTUAL DESIGN INFO (FROM EQUIPMENT SCHEDULES, ETC)					AREA BASIS			OCCUPANCY BASIS			MIN/MUM		VAV Reheated Primary Air CFM		VAV Deadband Primary Air CFM			
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
SUPPLY FAN TYPE (CENTRIFUGAL, VANEAXIAL, TUBEAXIAL)	SUPPLY FAN AIRFLOW (CFM)	RELIEF FAN AIRFLOW (CFM)	OUTDOOR AIRFLOW (CFM)	CENTRAL TIME CONTROL (Y/N)	TERMINAL REHEAT (Y/N)	CONDITIONED AREA (sq. ft.)	AREA PER VAV SYS	MAX # VAV BOXES	MEAN ZONE AIR DIST. EFFECTIVENESS	AREA PER OCCUP	OCCUPANCY	MIN OA FLOW (CFM)	MIN OA DESIGN (CFM)	PRIMARY AIRFLOW MAXIMUM (CFM)	PRIMARY AIRFLOW MINIMUM (CFM)	DEAD BAND (CFM)	MIN PRIMARY AIRFLOW (CFM)	CONTROL TYPE (SEE NOTE T)	REHEAT SOURCE (SEE NOTE T)
FCU-1	1100	N/A	1110	Y	0	644	15	97	11	15	165	165	Y						
FCU-2 &3	942	N/A	942	Y	0	667	15	100	11	15	165	165	Y						
F-1	2200	N/A	2200	Y	0	3059	15	458	36	15	540	540	Y						

Yellow shaded cells require user input. Remaining cells are protected and automatic
B. The largest amount of primary air supplied by the terminal unit when it's operating in the cooling mode.
C. The smallest amount of primary air supplied by the terminal unit in the deadband mode.
D. The largest amount of primary air supplied by the terminal unit when it's operating in the heating mode.
E. A terminal unit can be controlled with DDC controls, or non-DDC controls. Each control category has different reheat limitations in code.
F. Transfer Air must be provided where Required Ventilation Airflow (Column M) is greater than the Design Primary Deadband Airflow (Column C).
H. Minimum ventilation rate per Section §120.1. Table 120.1-A.
J. Based on number of fixed seats where applicable or the greater of the expected number of occupants and 50% of the CBC occupant load for egress purposes for spaces without fixed seating.
M. Required Ventilation Airflow (Req'd Ventilation Airflow) is the larger of the ventilation rates calculated on an AREA BASIS or OCCUPANCY BASIS (Column I or L)
N. This column identifies whether or not the Design Primary Deadband Airflow complies or not. It compares the value in column M to the value in column C and column F.
O. Design Primary Cooling Airflow * 0.50 for DDC, Design Primary Cooling Airflow * 0.30 for Non-DDC. If the Design Primary Cooling Airflow is less than 300 cfm, then this is not applicable.
P. Maximum of Column M and Column O. If the Design Primary Cooling Airflow is 300 cfm or less, then this is not applicable.
Q. This column identifies whether or not the Design Primary Reheat Airflow at the zone level, complies or not. It compares the value in column P to the value in column D.
R. Design Primary Cooling Airflow * 0.20 for DDC. Not applicable for Non-DDC zones or zones where Design Primary Cooling Airflow is 300 cfm or less.
S. Maximum of Column M and Column R. Not applicable if the Design Primary Cooling Airflow is 300 cfm or less.
T. This column identifies whether or not the Design Primary Deadband Airflow at the zone level, complies or not. It compares the value in column S to the value in column C.

STATE OF CALIFORNIA
MECHANICAL VENTILATION AND REHEAT
CEC-NRCC-MCH-03-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-03-E
Mechanical Ventilation & Reheat	(Page 2 of 2)
Project Name: Serenity House	Date Prepared: 8/24/16

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Justin Peterson	Documentation Author Signature:	
Company:	Interface Engineering	Signature Date:	8/24/16
Address:	135 Main Street, Suite 400	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	San Francisco/CA/94105	Phone:	415-489-7240

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
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Responsible Designer Name:	Eunice Yoon	Responsible Designer Signature:	
Company:	Interface Engineering	Date Signed:	8/24/16
Address:	135 Main Street, Suite 400	License:	M36681
City/State/Zip:	San Francisco/CA/94105	Phone:	415-489-7240

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

VERIFY ALL DIMENSIONS IN FIELD. DO NOT SCALE DRAWINGS. REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE PROCEEDING WITH WORK.

REVISION
SEP 06 2016
San Mateo County Building Inspection

PROJECT 2015-0429
CONTACT Justin Peterson
INTERFACE ENGINEERING
135 Main Street
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San Francisco, CA 94105
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LANDSCAPE ARCHITECT
RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

COUNTY OF SAN MATEO FOUNDED 1856

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — EUNICE Y. YOON — No. M36681 — MECHANICAL — STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

TITLE 24 - HVAC

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

M0.03

CONSTRUCTION DOCUMENTS BID SET

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STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CEC-NRCC-MCH-04-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-04-E
Required Acceptance Tests	(Page 1 of 3)
Project Name: Serenity House	Date Prepared: 8/24/2016

MECHANICAL COMPLIANCE FORMS & WORKSHEETS (indicate if worksheet is included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, refer to the 2013 Nonresidential Manual Note: The Enforcement Agency may require all forms to be incorporated onto the building plans. Forms NRCC-MCH-04-E and NRCC-MECH-05-E are alternative forms to NRCC-MCH-01-E, NRCC-MCH-02-E and NRCC-MCH-03-E for projects using only single zone packaged HVAC systems.

YES	NO	Form	Title
✓		NRCC-MCH-04-E (1 of 2)	Certificate of Compliance. Required on plans when used.
✓		NRCC-MCH-04-E (2 of 2)	Mechanical Acceptance Tests. Required on plans when used.
		NRCC-MCH-05-E (1 of 2)	HVAC Prescriptive Requirements. It is required on plans when used.
		NRCC-MCH-05-E (2 of 2)	Mechanical SWH Equipment Summary is required for all submittals with service water heating, pools or spas. It is required on plans where applicable.

STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CEC-NRSC-MCH-04-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-04-E
Required Acceptance Tests	(Page 2 of 3)
Project Name: Serenity House	Date Prepared: 8/24/2016

Designer:

This form is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for mechanical systems. The designer is required to check the applicable boxes by all acceptance tests that apply and list all equipment that requires an acceptance test. If all equipment of a certain type requires a test, list the equipment description and the number of systems. The NA number designates the Section in the Appendix of the Nonresidential Reference Appendices Manual that describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.

Enforcement Agency:

Systems Acceptance. Before occupancy permit is granted for a newly constructed building or space, or a new space-conditioning system serving a building or space is operated for normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance.

Systems Acceptance. Before occupancy permit is granted. All newly installed HVAC equipment must be tested using the Acceptance Requirements. .

The NRCC-MCH-04-E form is not considered a completed form and is not to be accepted by the building department unless the correct boxes are checked. The equipment requiring testing, person performing the test (Example: HVAC installer, TAB contractor, controls contractor, PE in charge of project) and what Acceptance test must be conducted. The following checked-off forms are required for ALL newly installed and replaced equipment. In addition a Certificate of Acceptance forms shall be submitted to the building department that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of Section 10-103(b) and Title 24 Part 6. The building inspector must receive the properly filled out and signed forms before the building can receive final occupancy.

Test Description		MCH-02-A	MCH-03-A	MCH-04-A	MCH-05-A	MCH-06-A	MCH-07-A	MCH-11-A	MCH-12-A	MCH-14-A	MCH-18-A	Test Performed By:
Equipment Requiring Testing or Verification	# of units	Outdoor Air	Single Zone Unitary	Air Distribution Ducts	Economizer Controls	Demand Control Ventilation (DCV)	Supply Fan VAV	Automatic Demand Shed Control	FDD for Packaged DX Units	Distributed Energy Storage DX AC Systems	Energy Management Control System	
CU/FURNA	1	✓			✓	✓	✓	✓				
CU-4/FCU	1	✓	✓			✓						
FCU-2/FCU	1	✓	✓			✓						

STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CEC-NRSC-MCH-04-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-04-E
Required Acceptance Tests	(Page 3 of 3)
Project Name: Serenity House	Date Prepared: 8/24/2016

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature: Steve Gross
Company:	Signature Date: 8/24/2016
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
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Responsible Designer Name:	Eunice Yoon	Responsible Designer Signature:	
Company:	Interface Engineering	Date Signed:	
Address:	135 Main Street, Suite 400	License:	M36681
City/State/Zip:	San Francisco, CA 94105	Phone:	415-489-7240

hga.
170 Maiden Lane, 5th Floor
San Francisco, California 94108
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STRUCTURAL ENGINEER
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1200 R STREET, SUITE 100
SACRAMENTO, CA 95811
916.787.5100

MECHANICAL/ELECTRICAL/ PLUMBING ENGINEER
INTERFACE ENGINEERING, INC.
135 MAIN STREET, SUITE 400
SAN FRANCISCO, CA 94105
415.489.3213

CIVIL ENGINEER
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255 SHORELINE DRIVE #200
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650.482.6300

LANDSCAPE ARCHITECT
RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

COUNTY OF SAN MATEO FOUNDED 1856

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA.

REGISTERED PROFESSIONAL ENGINEER EUNICE Y. YOON No. M36681 MECHANICAL STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

TITLE 24 - HVAC

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

M0.04

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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SEP 06 2016
San Mateo County Building Inspection

PROJECT 2015-0429
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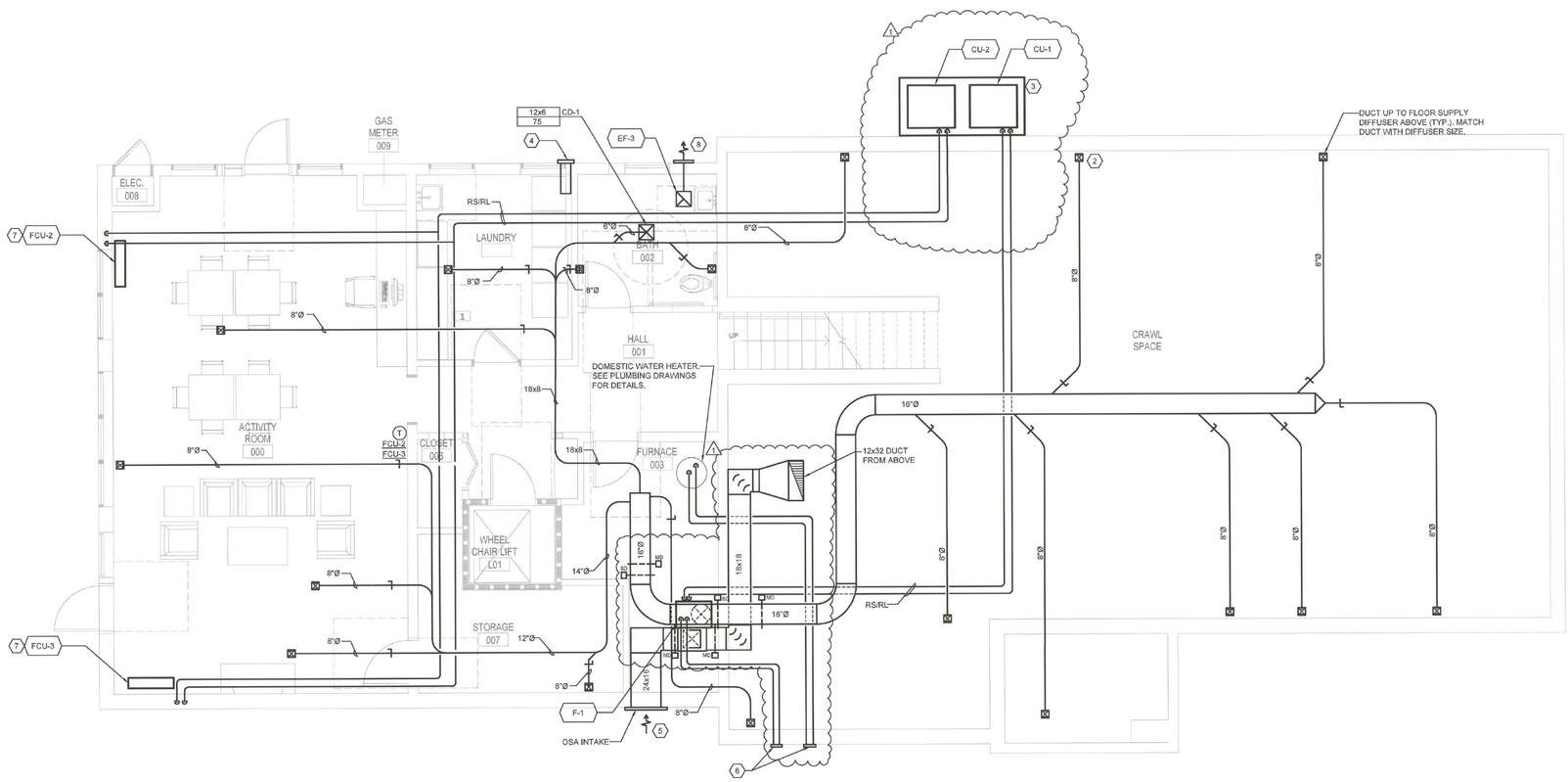

1 FLOOR PLAN - BASEMENT - HVAC

0 2' 4' 8'

SCALE: 1/4"=1'-0"

SHEET KEYNOTES

1. NOT USED.
2. SEE M2.01 FOR DIFFUSER LOCATION, TYPICAL.
3. 6" CONCRETE PAD FOR CONDENSING UNITS. SEE LANDSCAPE DRAWINGS FOR DETAILS.
4. PROVIDE 2 (N) 4" DRYER VENTS, 1 PER DRYER. WITH WITH SIDE WALL DRYER VENT CAPS.
5. OUTSIDE AIR INTAKE LOUVER WITH MINIMUM 4 SQUARE FEET OF FREE AREA. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
6. 4" CPVC VENT AND OUTSIDE AIR INTAKE AIR INTAKE TO FURNACES AND DOMESTIC WATER HEATER. TERMINATE WITH SIDE WALL VENT KIT BAYVENT200B OR APPROVED EQUAL. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION. TYPICAL 2.
7. FLOOR MOUNTED FAN COIL UNITS. SEE PLUMBING FOR CONDENSATE DRAIN DETAILS.
8. 8" EXHAUST DUCT. TERMINATE WITH WALL CAP.

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170 Maiden Lane, 5th Floor
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COUNTY OF SAN MATEO FOUNDED 1856

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REGISTERED PROFESSIONAL ENGINEER — EILEEN Y. YOUN — No. M36681 — MECHANICAL — STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

FLOOR PLAN - BASEMENT - HVAC

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

M2.00

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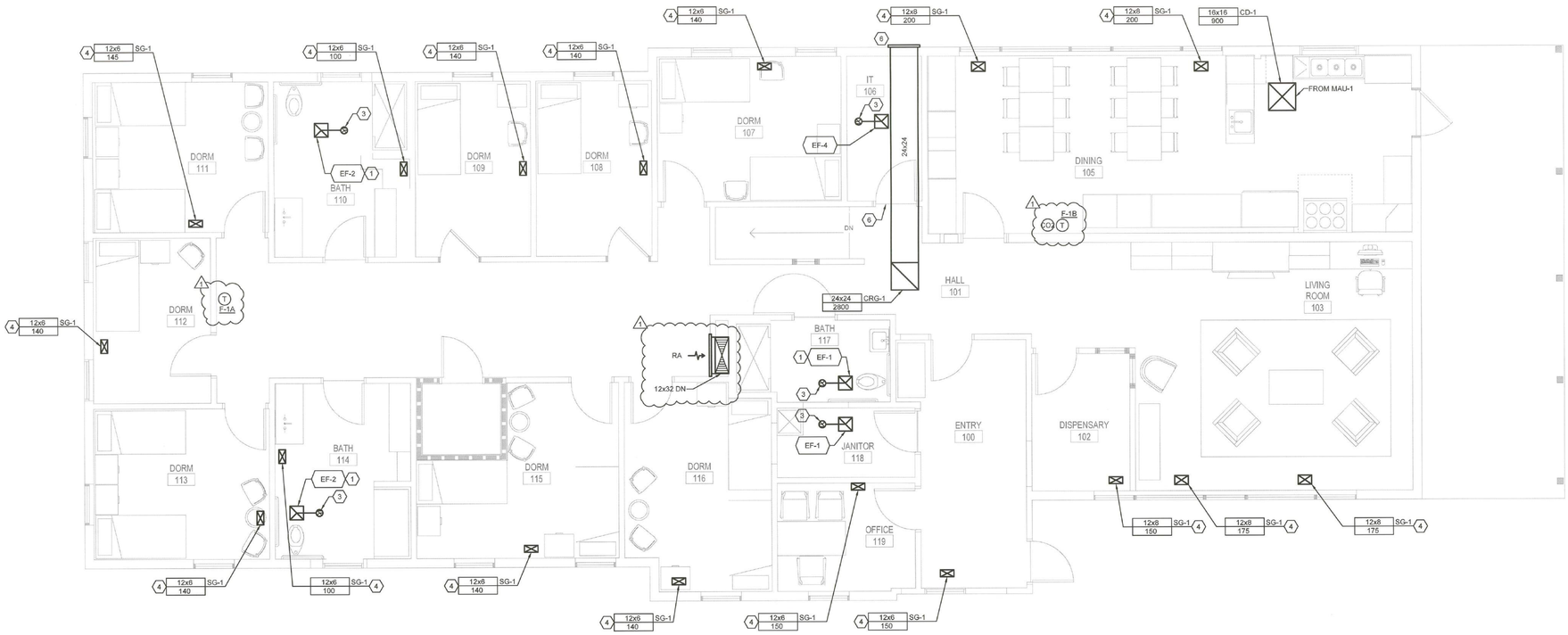
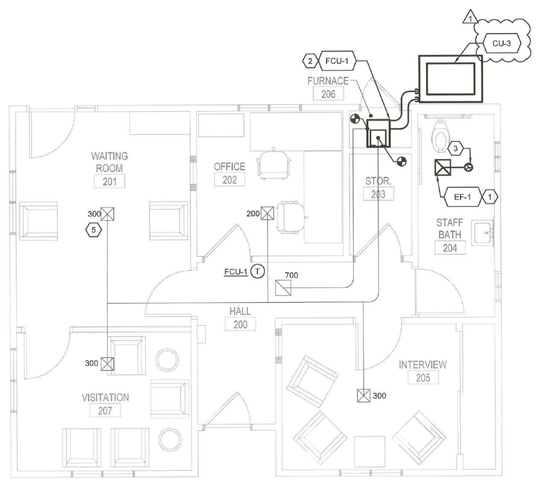


1 FLOOR PLAN - LEVEL 1 - MAIN BUILDING - HVAC

0 2' 4' 8'

SCALE: 1/4"=1'-0"



2 FLOOR PLAN - LEVEL 1 - ADMIN BUILDING - HVAC

0 2' 4' 8'

SCALE: 1/4"=1'-0"

SHEET KEYNOTES

1. REPLACE (E) EXHAUST FAN WITH NEW. USE (E) ROOF OPENING FOR DUCT THROUGH ROOF. FIELD VERIFY LOCATION.
2. CONNECT TO (E) DUCTWORK.
3. 6" Ø DUCT UP THROUGH ROOF. PROVIDE ROOF CAP.
4. FLOOR GRILLE, TYPICAL.
5. REBALANCE EXISTING DIFFUSER TO SHOWN AIR QUANTITY.
6. PROVIDE DOOR LOUVER WITH 1 S.F. FREE AREA. 24x24 PRESSURE RELIEF LOUVER, RUSKIN MODEL CBD6 OR APPROVED EQUAL. SET RELIEF PRESSURE TO 0.05".

APPROVED PLAN
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REGISTERED PROFESSIONAL ENGINEER — VINCENT Y. TONN — No. M35681 — MECHANICAL — STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

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HGA NO: 3505-003-01

FLOOR PLAN - LEVEL 1 - HVAC

DATE: AUGUST 26, 2016

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M2.01

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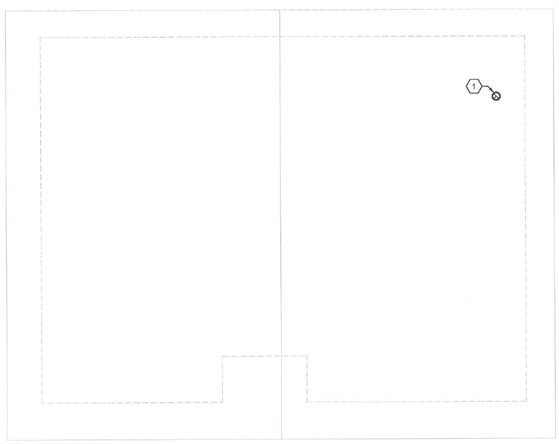
1 ROOF PLAN - MAIN BUILDING - HVAC

0 2' 4' 8'

SCALE: 1/4"=1'-0"



2 ROOF PLAN - ADMIN BUILDING - HVAC

0 2' 4' 8'

SCALE: 1/4"=1'-0"

SHEET KEYNOTES

1 6" EXHAUST DUCT FROM BATHROOM EXHAUST FAN. PROVIDE DUCT ROOF CAP.

2 INTERLOCK MAU-1 WITH KITCHEN EXHAUST FAN.

3 VERIFY HOOD EXHAUST AIRFLOW REQUIREMENT AND REBALANCE MAU-1 TO 200 CFM LESS.

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COUNTY OF SAN MATEO FOUNDED 1856

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REGISTERED PROFESSIONAL ENGINEER
No. M26681
MECHANICAL
STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CC #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

ROOF PLAN - HVAC

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

M2.02

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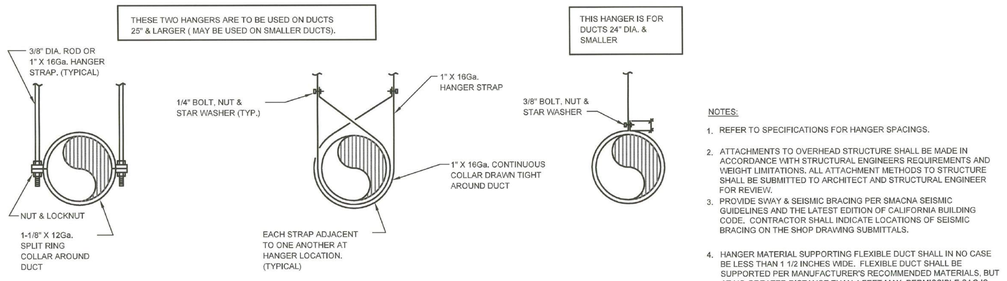
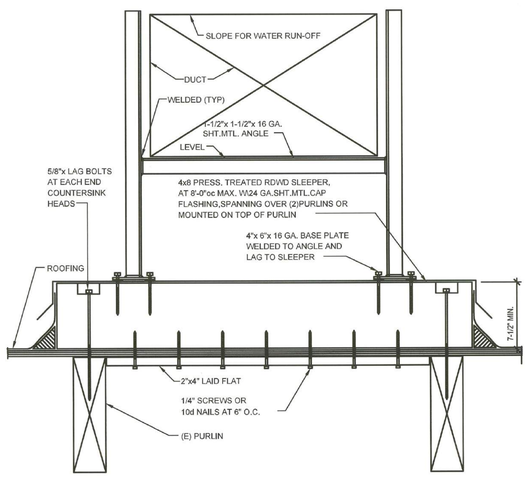


NOTES:

1. REFER TO SPECIFICATIONS FOR HANGER SPACINGS.
2. ATTACHMENTS TO OVERHEAD STRUCTURE SHALL BE MADE IN ACCORDANCE WITH STRUCTURAL ENGINEERS REQUIREMENTS AND WEIGHT LIMITATIONS. ALL ATTACHMENT METHODS TO STRUCTURE SHALL BE SUBMITTED TO ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW.
3. PROVIDE SWAY & SEISMIC BRACING PER SMACNA SEISMIC GUIDELINES AND THE LATEST EDITION OF CALIFORNIA BUILDING CODE. CONTRACTOR SHALL INDICATE LOCATIONS OF SEISMIC BRACING ON THE SHOP DRAWING SUBMITTALS.
4. HANGER MATERIAL SUPPORTING FLEXIBLE DUCT SHALL IN NO CASE BE LESS THAN 1 1/2 INCHES WIDE. FLEXIBLE DUCT SHALL BE SUPPORTED PER MANUFACTURER'S RECOMMENDED MATERIALS, BUT AT NO GREATER DISTANCE THAN 4 FEET MAX. PERMISSIBLE SAG IS MAX. 1/2 INCHES PER FOOT OF SPACING BETWEEN SUPPORTS.

1 DUCT SUPPORT

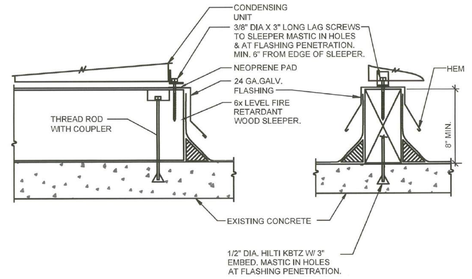
NO SCALE



NOTE:
1. PROVIDE CRICKET ON UP SLOPE SIDE WHEN SLEEPERS ARE PERPENDICULAR TO ROOF SLOPE.
2. PROVIDE NEOPRENE-STEEL WASHERS UNDER BOLT HEADS & NEOPRENE PADS UNDER BASE PLATE TO PREVENT WATER LEAKAGE UNDER CAP FLASHING.

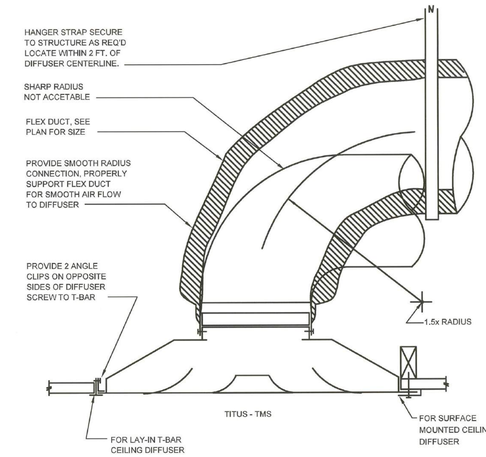
2 DUCT SUPPORT ON ROOF

NO SCALE M-MOUNTINGS 7-11



3 CONDENSING UNIT MOUNTING DETAIL

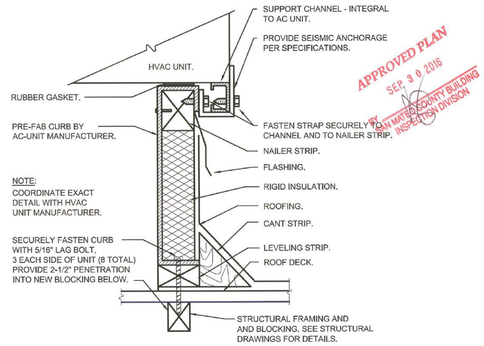
NO SCALE



(T-BAR LAY-IN & SURFACE MOUNTING SHOWN)

4 CEILING SUPPLY AND RETURN CONNECTION

NO SCALE



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5 ROOF UNIT CURB

NO SCALE

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REGISTERED PROFESSIONAL ENGINEER CONCEPCION Y. COON No. M36591 MECHANICAL STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

DETAILS - HVAC

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

M3.01

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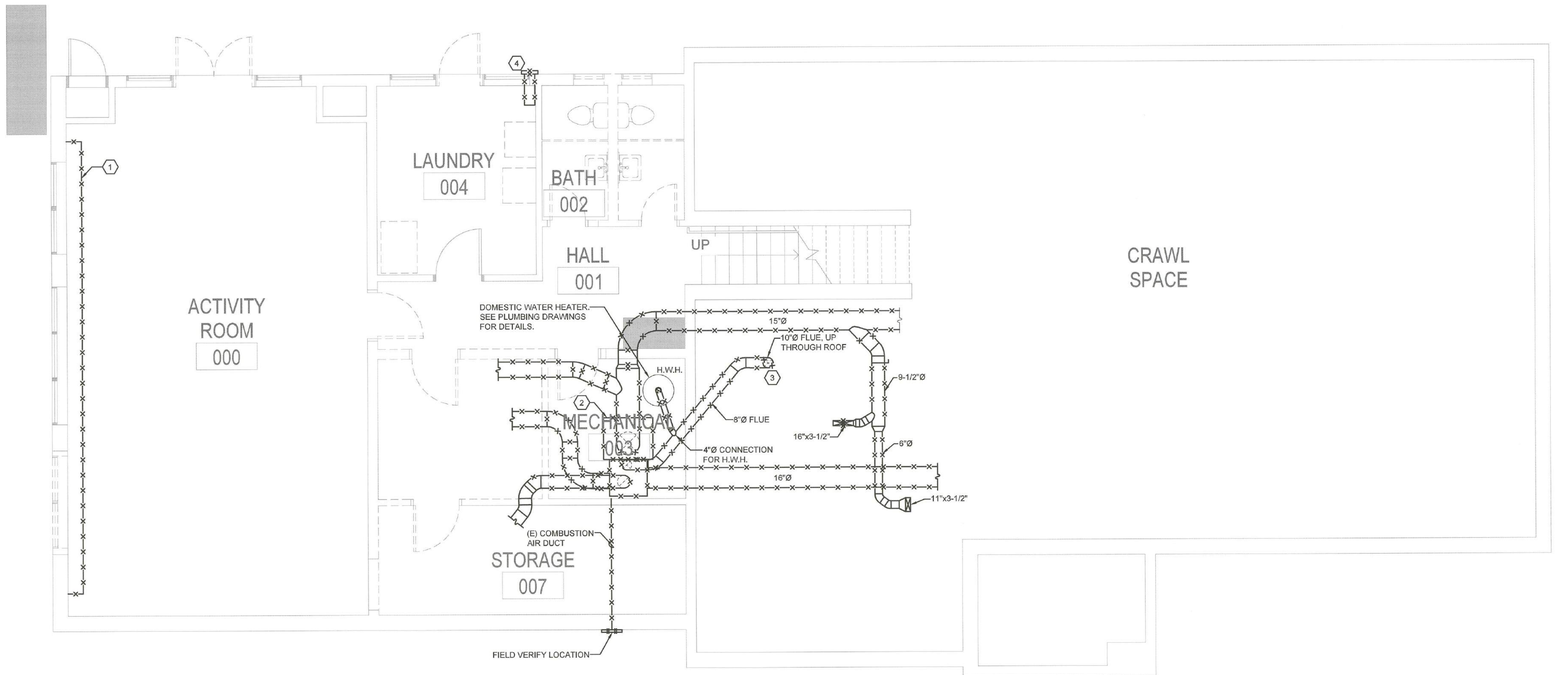

SHEET KEYNOTES

1 DEMOLISH (E) ELECTRIC BASEBOARD HEATER AND ASSOCIATED WIRING.

2 DEMOLISH (E) FURNACE.

3 DEMOLISH (E) FLUE VENT UP TO ROOF. FIELD VERIFY EXACT LOCATION.

4 DEMOLISH (E) DRYER VENT.

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SEP 30 2016
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REGISTERED PROFESSIONAL ENGINEER
JENNIFER Y. YOON
No. M36681
MECHANICAL
STATE OF CALIFORNIA

Date Signed: 8/25/16

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REGISTRATION NUMBER:

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DEMOLITION PLAN - BASEMENT - HVAC

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

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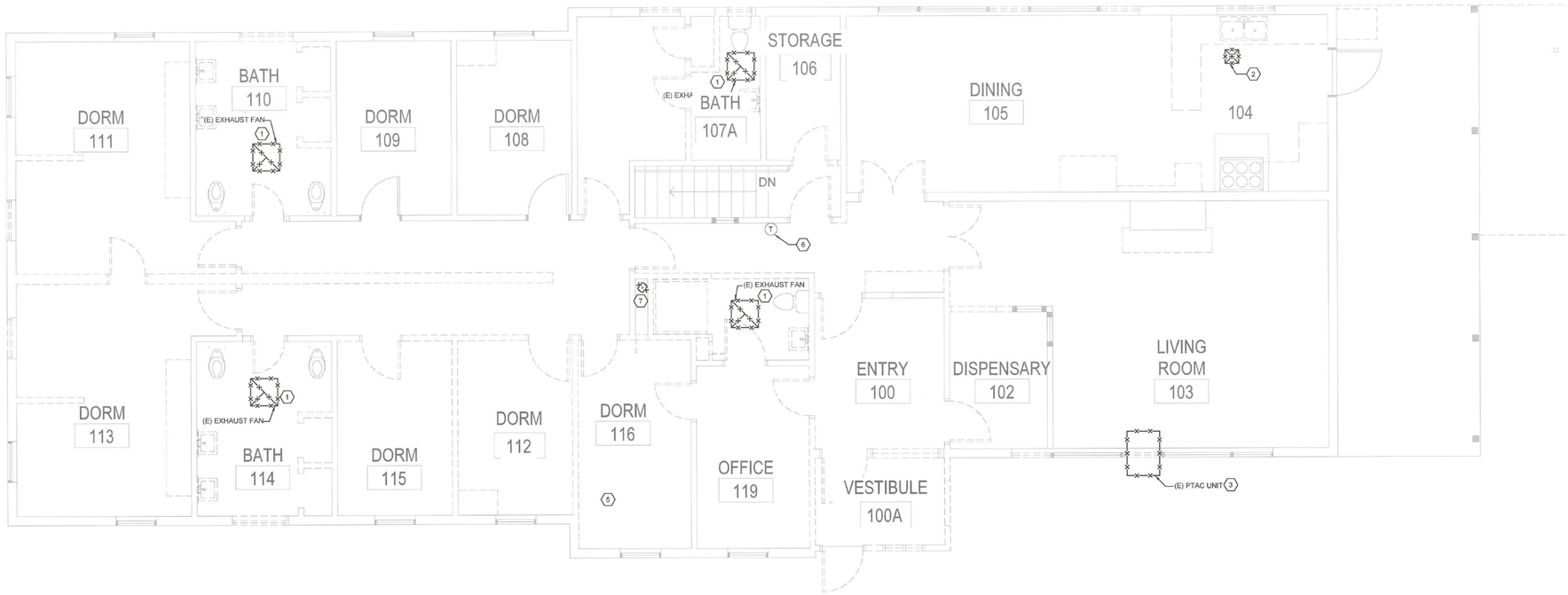
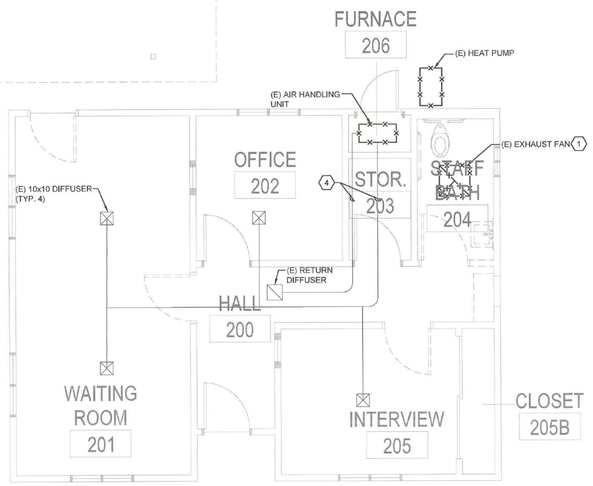


SHEET KEYNOTES

1. DEMOLISH (E) EXHAUST FAN AND ASSOCIATED DUCTWORK. FIELD VERIFY EXACT LOCATION.
2. DEMOLISH (E) MAKE-UP AIR GRILLE.
3. DEMOLISH (E) PTAC UNIT.
4. (E) DUCTWORK TO REMAIN. FIELD VERIFY LOCATION.\
5. REMOVE EXISTING FLOOR GRILLE. TYPICAL.
6. REMOVE (E)THERMOSTAT.
7. DEMOLISH (E) FLUE VENT. FIELD VERIFY EXACT LOCATION.

1 DEMOLITION PLAN - LEVEL 1 - MAIN BUILDING - HVAC

0 2' 4' 8'
SCALE: 1/4"=1'-0"



2 DEMOLITION PLAN - LEVEL 1 - ADMIN BUILDING - HVAC

0 2' 4' 8'
SCALE: 1/4"=1'-0"

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REGISTERED PROFESSIONAL ENGINEER — JANICE Y. TOM — No. M36581 — MECHANICAL — STATE OF CALIFORNIA

Date Signed: 8/25/16

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DEMOLITION PLAN - LEVEL 1 - HVAC

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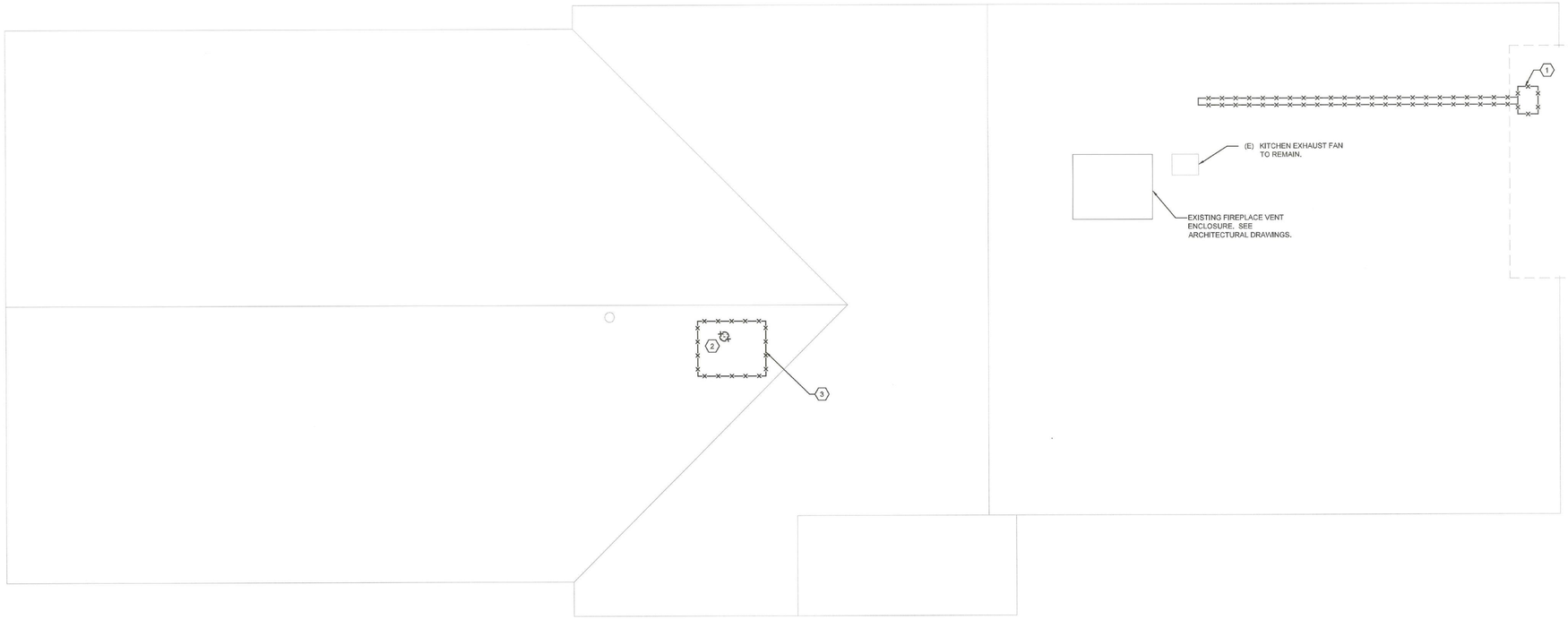


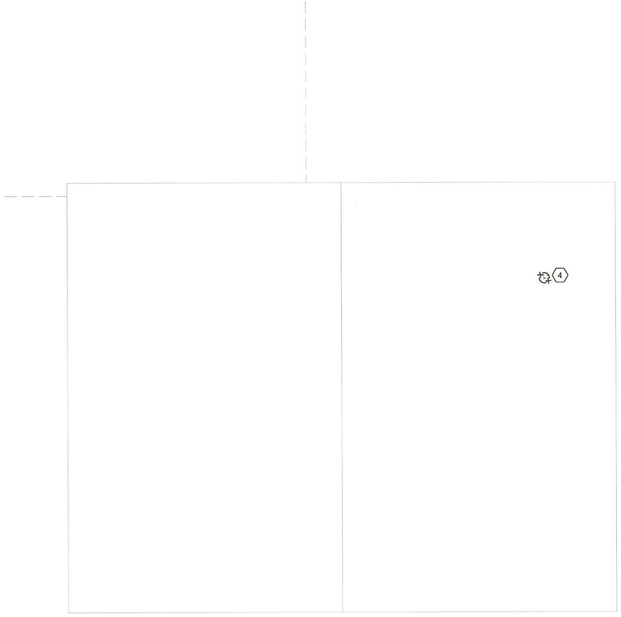
SHEET KEYNOTES

1. DEMOLISH (E) MAKE-UP AIR UNIT AND ASSOCIATED DUCTWORK AND DIFFUSER. FIELD VERIFY LOCATION.
2. DEMOLISH (E) FLUE VENT. FIELD VERIFY EXACT LOCATION. PATCH ROOF. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
3. SEE ARCHITECTURAL DRAWING FOR FLUE VENT COVER DEMOLITION DETAILS.
4. DEMOLISH EXISTING EXHAUST DUCT. SEE M2.01 AND M2.02 FOR NEW WORK.

1 DEMOLITION ROOF PLAN - MAIN BUILDING - HVAC

0 2' 4' 8'

SCALE: 1/4"=1'-0"



2 DEMOLITION ROOF PLAN - ADMIN BUILDING - HVAC

0 2' 4' 8'

SCALE: 1/4"=1'-0"

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REGISTERED PROFESSIONAL ENGINEER — PATRICE Y. YOON — No. M36681 — MECHANICAL — STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

DEMOLITION ROOF PLAN - HVAC

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

MD2.02

CONSTRUCTION DOCUMENTS BID SET

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FILE: MD202.DWG – MD2.02 | EDIT: 8/25/2016 10:25 AM BY EILEENW | PLOT: 8/25/2016 1:38 PM BY VICTOR VALENCIA

PLUMBING SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

#	NUMBER
&	AND
(A)	ABANDON IN PLACE
(E)	EXISTING
(F)	FUTURE
(N)	NEW
(R)	RELOCATE / RELOCATED LOCATION
(X)	DEMOLISH
@	AT
'	FOOT, FEET
A	AQUASTAT, ARCHITECT, ANCHOR, AMPHERE
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
BLDG	BUILDING
BTUH	BRITISH THERMAL UNITS PER HOUR
CD	CONDENSATE DRAIN
CFH	CUBIC FEET PER HOUR
CFS	CUBIC FEET PER SECOND
CO	CLEANOUT
CONT.	CONTINUATION
CV	CHECK VALVE
CW	COLD WATER
D	DRAIN
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DET	DOMESTIC EXPANSION TANK
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNIT
DN	DOWN
DS	DOWNSPOUT
DSN	DOWNSPOUT NOZZLE
DW	DISHWASHER, DOMESTIC WATER
DWV	DRAINAGE, WASTE AND VENT
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
F	FIRE, FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FFE	FINISHED FLOOR ELEVATION
FL	FLOOR
FT	FEET
FV	FLUSH VALVE
GPM	GALLONS PER MINUTE
GWH	GAS WATER HEATER
HB	HOSE BIBB
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HW	HOT WATER
HWFU	HOT WATER FIXTURE UNIT
HWR	HOT WATER RETURN
HZ	HERTZ
IN, "	INCHES
INV	INVERT ELEVATION
IW	INDIRECT WASTE
L	LAVATORY
MIN	MINIMUM
MS	MOP SINK
MX	MIXING VALVE
N	NORTH
NIC	NOT IN CONTRACT
NO.	NUMBER
NTS	NOT TO SCALE
OD	OVERFLOW DRAIN, OUTSIDE DIAMETER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
P	PLUMBING, PUMP
PD	PRESSURE DROP, PLUMBING DEMOLITION, PUMPED DISCHARGE
PLBG	PLUMBING
POC	POINT OF CONNECTION
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
RD	ROOF DRAIN
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RWL	RAINWATER LEADER
S, SK	SINK
SA	SHOCK ARRESTOR
SAN	SANITARY
SB	SERVICE BOX
SD	STORM DRAIN
SF	SQUARE FEET
SHT	SHEET
SOV	SHUT OFF VALVE
SP	SUMP PUMP, STATIC PRESSURE
TEMP	TEMPERATURE
TP	TRAP PRIMER, TOTAL PRESSURE
TYP	TYPICAL
U, UR	URINAL
V	VACUUM, VENT, VOLT
VTR	VENT THRU ROOF
W	WITH
W	WASTE
WC	WATER COLUMN, WATER CLOSET
WCO	WALL CLEANOUT
WH	WATER HEATER, WALL HYDRANT
WHA	WATER HAMMER ARRESTOR
WSFU	WATER SUPPLY FIXTURE UNIT

General

- DEMOLISH
- EXISTING WORK
- NEW WORK
- PIPE OR CONDUIT BELOW GRADE
- CONTINUATION
- XX-X / LOCATION — EQUIPMENT IDENTIFICATION
- EXTENT OF DEMOLITION
- X — FIXTURE TAG (LEVEL BELOW FIXTURE)
- X — KEYED NOTE
- POINT OF CONNECTION

Piping Fittings

- AP — ACCESS PANEL
- AQUASTAT
- BLIND FLANGE
- CAP
- COTG — CLEANOUT TO GRADE
- CONCENTRIC REDUCER
- DSN — DOWNSPOUT NOZZLE
- ECCENTRIC REDUCER
- FCO — FLOOR CLEANOUT
- FD — FLOOR DRAIN
- FS — FLOOR SINK
- FLOW DIRECTION
- HOSE BIBB / WALL HYDRANT
- OD — OVERFLOW ROOF DRAIN
- PIPE DROP
- PIPE RISE
- PUMP
- RD — ROOF DRAIN
- SHOCK ABSORBER / WATER HAMMER ARRESTOR
- STRAINER
- T&P RELIEF VALVE WITH PIPE TO DRAIN
- TEE DOWN ON PIPE
- TEE UP ON PIPE
- VTR — VENT THROUGH ROOF
- WCO — WALL CLEANOUT

Piping Systems

- COLD WATER PIPING
- D — CONDENSATE / INDIRECT DRAIN PIPING
- HOT WATER PIPING
- HOT WATER RETURN PIPING
- 2#G — NATURAL GAS PIPING, 2 LB
- G — NATURAL GAS PIPING, 7" WC PRESSURE
- OD — OVERFLOW DRAIN PIPING ABOVE GRADE OR FINISHED FLOOR
- SANITARY VENT PIPING
- SANITARY WASTE OR SOIL PIPING ABOVE GRADE OR FINISHED FLOOR
- SANITARY WASTE OR SOIL PIPING BELOW GRADE OR FINISHED FLOOR
- SD — STORM DRAIN PIPING ABOVE GRADE OR FINISHED FLOOR
- SD — STORM DRAIN PIPING BELOW GRADE OR FINISHED FLOOR
- TP — TRAP PRIMER PIPING

Valves

- BFP — BACKFLOW PREVENTER
- CHECK VALVE
- SHUTOFF VALVE, GENERAL

GENERAL PLUMBING NOTES

A. THIS WORK IS A REMODEL. THE CONTRACTOR SHALL REVIEW THE SITE PRIOR TO BID SUBMISSION & SHALL INCLUDE IN HIS BID, THE COST OF REPLACEMENT, REPAIR, RELOCATION & REMOVAL OF EXISTING PLUMBING ELEMENTS INCLUDING BUT NOT LIMITED TO PLUMBING PIPING AS REQUIRED TO COMPLETE INSTALLATION OF ALL SYSTEMS ON THESE DRAWINGS. CONTRACTOR SHALL CONFIRM THE REQUIREMENTS FOR PREMIUM TIME & INCLUDE THE COSTS IN HIS BID. THE CONTRACTOR BY SUBMITTING HIS BID PROPOSAL AGREES TO ACCEPT ALL EXISTING CONDITIONS. ALL EXCEPTIONS SHALL BE PROVIDED IN WRITING TO THE ARCHITECT & ENGINEER.

B. THE DRAWINGS SHOWING THE LOCATIONS OF PLUMBING EQUIPMENT, PIPING, ETC. ARE DIAGRAMMATIC & NOT EVERYTHING IS SHOWN (I.E., OFFSETS, ETC.). JOB CONDITIONS WILL NOT ALWAYS PERMIT THEIR INSTALLATION AT THE LOCATIONS SHOWN. THE PLUMBING DRAWINGS SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT, PIPING, DEVICES, ETC. & SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE.

C. ALL WORK TO BE IN ACCORDANCE WITH REQUIREMENTS OF LATEST GOVERNING LOCAL PLUMBING CODES AND BUILDING CODES.

D. CONTRACTOR SHALL PROVIDE DUST COVERS AS REQUIRED TO CONTAIN DUST AND DEBRIS WITHIN CONSTRUCTION AREA AND KEEP DIRT AND DUST TO A MINIMUM.

E. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR SAFETY OF ALL PERSONS ON OR ABOUT THE CONSTRUCTION SITE IN ACCORDANCE WITH APPLICABLE LAWS AND CODES. GUARD ALL HAZARDS IN ACCORDANCE WITH THE SAFETY PROVISIONS OF THE LATEST MANUAL OF ACCIDENT PREVENTION PUBLISHED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA.

F. CLEAN ALL EXPOSED SURFACES AND NEW EQUIPMENT AFTER COMPLETION TO LIKE NEW CONSTRUCTION.

G. EXISTING INFORMATION SHOWN ON FLOOR PLANS IS FROM THE BEST INFORMATION GATHERED DURING FIELD INVESTIGATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS IN THE FIELD BEFORE COMMENCEMENT OF WORK. THE CONTRACTOR IS REQUIRED TO REPORT TO THE ARCHITECT ANY DISCREPANCIES OR INCONSISTENCIES BETWEEN THE SPECIFIED DESIGN AND EXISTING CONDITIONS FOR CLARIFICATION PRIOR TO COMMENCEMENT OF THE WORK. ABSOLUTE ACCURACY OF THE DRAWINGS CANNOT BE GUARANTEED. WHILE EVERY EFFORT HAS BEEN MADE TO COORDINATE THE LOCATION OF EXISTING EQUIPMENT, PIPING, ETC. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE EXACT REQUIREMENTS GOVERNED BY ACTUAL JOB CONDITIONS.

H. REPORT TO ARCHITECT IN WRITING, CONDITIONS WHICH WILL PREVENT PROPER PROVISION OF THIS WORK.

I. IN THE AREA OF THE NEW CONSTRUCTION WILL BE FOUND A NUMBER OF EXISTING SERVICES. PROTECT ALL ACTIVE LINES AND MAINTAIN THE SAME IN GOOD OPERATING CONDITION.

J. PROTECT EXISTING BUILDING STRUCTURES AND ADJACENT FINISHED SURFACES DURING CONSTRUCTION. PATCH REPAIR AND REFINISH EXISTING WORK DAMAGED BY WORK UNDER THIS DIVISION TO MATCH ADJACENT UNDISTURBED AREAS. PATCHING AND REFINISHING IS TO BE PERFORMED BY WORKMEN SKILLED IN THE TRADES INVOLVED. DO NOT CUT ANY STRUCTURAL MEMBERS WITHOUT THE REVIEW AND APPROVAL OF THE STRUCTURAL ENGINEER.

K. FOR EXACT LOCATION OF ALL PLUMBING FIXTURES, REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS.

L. WHERE EXISTING PIPE SIZES ARE NOT SHOWN, CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE SIZE PRIOR TO COMMENCING WORK.

M. ALL PIPE, FITTINGS, FIXTURES, SOLDER OR FLUX ETC. THAT WILL BE USED FOR THIS PROJECT SHALL MEET THE REQUIREMENTS OF "AB 1953" (LEAD FREE CONTENT).

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

NO PLASTIC PLUMBING ALLOWED WITHIN BUILDING OR FOR WATER SERVICE

JOB COPY TO REMAIN ON SITE AT ALL TIMES

SHEET INDEX

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PD2.01 DEMOLITION PLAN - LEVEL 1 - PLUMBING

P2.00 FLOOR PLAN - BASEMENT - PLUMBING
P2.01 FLOOR PLAN - LEVEL 1 - PLUMBING
P2.02 ROOF PLAN - PLUMBING

REVISION
SEP 06 2016
San Mateo County Building Inspection

PROJECT 2015-0429
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SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA.

REGISTERED PROFESSIONAL ENGINEER — LEONARD CE Y. YOUN — No. M39681 — MECHANICAL — STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

SYMBOL LIST AND GENERAL NOTES - PLUMBING

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

P0.01

CONSTRUCTION DOCUMENTS BID SET

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WATER SERVICE CALCULATIONS

[2013 CPC]

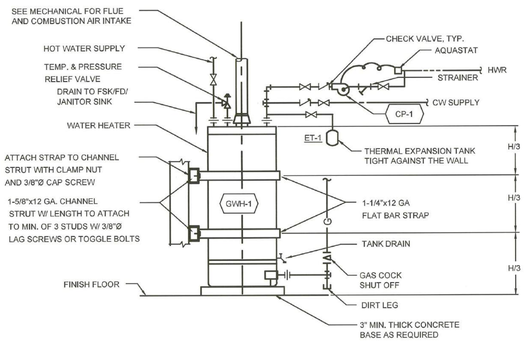
(BASED ON APPENDIX 'A')

FIXTURE QUANTITY				APPENDIX 'A' - TABLE A-2			TOTAL FIXTURE UNITS	
PRIVATE INDIVIDUAL DWELLING	PUBLIC GENERAL USE	PUBLIC HEAVY USE ASSEMBLY	DESCRIPTION	PRIVATE INDIVIDUAL DWELLING	PUBLIC GENERAL USE	PUBLIC HEAVY-USE ASSEMBLY	COLD WATER	(.78) HOT WATER
2	0	0	CLOTHESWASHER, DOMESTIC	4.00	4.00	0.00	8.00	6.00
1	0	0	DISHWASHER, DOMESTIC	1.50	1.50	0.00	1.50	1.13
1	0	0	HOSE BIBB	2.50	2.50	0.00	2.50	—
4	0	0	HOSE BIBB, EACH ADDITIONAL	1.00	1.00	0.00	4.00	—
2	0	0	KITCHEN SINK, DOMESTIC	1.50	1.50	0.00	3.00	2.25
1	0	0	LAUNDRY SINK	1.50	1.50	0.00	1.50	1.13
5	0	0	LAVATORY	1.00	1.00	1.00	5.00	3.75
1	0	0	SERVICE SINK OR MOP BASIN	1.50	3.00	0.00	1.50	1.13
3	0	0	SHOWER, EACH HEAD	2.00	2.00	0.00	6.00	4.50
5	0	0	WATER CLOSET, 1.6 GPF, GRAVITY TANK	2.50	2.50	3.50	12.50	—
			TOTAL				45.50	19.88
			FLOW IN GPM				27	14
			FUTURE GPM				13	
			TOTAL GPM REQUIRED				40	
			SERVICE SIZE FROM METER TO BUILDING				2"	

SANITARY DRAINAGE CALCULATIONS

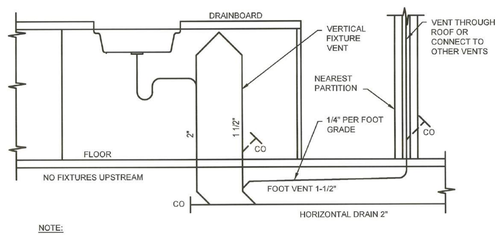
2013 CPC

FIXTURE QUANTITY				TABLE 7-3			
PRIVATE INDIVIDUAL DWELLING	PUBLIC GENERAL USE	PUBLIC HEAVY USE ASSEMBLY	DESCRIPTION	PRIVATE INDIVIDUAL DWELLING	PUBLIC GENERAL USE	PUBLIC HEAVY-USE ASSEMBLY	TOTAL FIXTURE UNITS
2	0	0	CLOTHESWASHER, DOMESTIC	3.00	3.00	3.00	6.00
1	0	0	DISHWASHER, DOMESTIC, INDEPENDENT DRAIN	2.00	2.00	2.00	2.00
1	0	0	KITCHEN SINK, DOM, W/GRINDER & DISHWASHER	2.00	2.00	0.00	2.00
5	0	0	LAVATORY, SINGLE	1.00	1.00	1.00	5.00
1	0	0	SERVICE SINK OR MOP BASIN, 3" TRAP	0.00	3.00	0.00	0.00
2	0	0	SHOWER, STALL, 2" TRAP	2.00	2.00	2.00	4.00
1	0	0	SINK, GENERAL, 2" TRAP	3.00	4.00	4.00	3.00
5	0	0	WATER CLOSET, 1.28 GPF, GRAVITY TANK	3.00	4.00	6.00	15.00
			TOTAL				37.00
			PIPE SIZE				4"



1 WATER HEATER DETAIL

NO SCALE

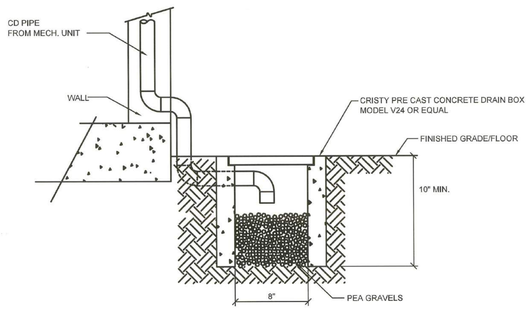


NOTE:

DRAINAGE FITTINGS SHALL BE USED ON ALL PARTS OF THE VENT BELOW THE FLOOR LINE.

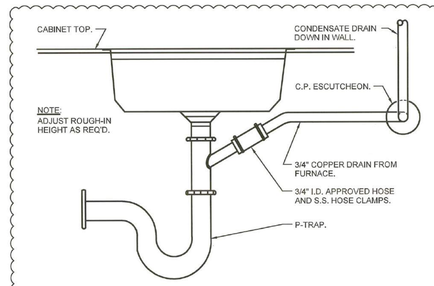
2 ISLAND VENTING DETAIL

NO SCALE



3 DRY WELL DETAIL

NO SCALE



4 CONDENSATE DRAIN LOCATION

NO SCALE

EQUIPMENT SCHEDULE

SYMBOL	EQUIPMENT TYPE	LOCATION / SERVING	BASIS OF DESIGN MFR	BASIS OF DESIGN MODEL	TANK CAPACITY (GALLONS)	GAS DATA INPUT (MBH)	ELECTRICAL VOLTS	ELECTRICAL PH	ELECTRICAL AMPS	ELECTRICAL KW	COMMENTS
CP-1	CIRCULATING PUMP	BASEMENT	BELL & GOSSETT	NBF-45	–	–	–	1	2.3	0.27	3 SPEED CIRCULATOR
ET-1	EXPANSION TANK	BASEMENT	A.O. SMITH	PMC-10	9.21	–	–	–	–	–	
GWH-1	GAS WATER HEATER	BASEMENT	STATE	SUF100 (150 NE)	100	150	120	1	15	–	179 GPH RECOVERY @ 100 DEG F.; 150,000 BTU/HR; CONTRACTOR TO VIF THE GAS PIPE SIZE REQUIREMENT. PROVIDE NEUTRALIZATION KIT FOR CONDENSATE DRAIN. LOW Nox, SCAQMD APPROVED
IWH-1	INSTANTANEOUS WATER HEATER	ADMINISTRATION	CHRONOMITE	M-30L / 240	–	–	240	1	–	7.2	
GBD-1	GARBAGE DISPOSAL	KITCHEN	INSINK ERATOR	EVOLUTION SERIES			120		8.1		3/4 HP; STATINLESS STEEL GRINDER COMPONENTS

NOTES:

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE TYPE	DESCRIPTION	BASIS OF DESIGN MFR	BASIS OF DESIGN MODEL	BASIS OF DESIGN ACCESSORIES	CONNECTION W	CONNECTION V	CONNECTION CW	CONNECTION HW	NOTES
FSK-1	FLOOR SINK	12-3/8 x 12-3/8 ACID RESISTANT ENAMEL SANI-FLOR RECEPTOR 10 SUMP DEPTH WITH NICKEL BRONZE FRAME WITH DEX-O-TEX FLANGE; INTERIOR DOME STRAINER; 3/4 GRATE	ZURN	ZN1902-DX		3"	2"	–	–	
FSK-2	FLOOR SINK	12 x 12 ACID RESISTANT ENAMEL SANI-FLOR RECEPTOR 8 SUMP DEPTH CAST IRON BODY; INTERIOR DOME STRAINER; 3/4 SLOTTED GRATE	ZURN	Z1901		3"	2"	–	–	
GT-1	GREASE TRAP	ACID RESISTANT COATED INTERIOR & EXTERIOR INTERCEPTOR; WITH 35 GPM FLOW RATE & 70 LBS GREASE; 34-1/8" L x 22-1/2" W	ZURN	Z1170	INSTALL WITH FLOW RESTRICTOR	3"	2"	–	–	INSTALL PER MANUFACTURER'S RECOMMENDATION WITH CONCRETE PAD (44" L x 33" W)
HB-1	HOSE BIBB	POLISHED CHROME, ANTI-SIPHON WALL FAUCET WITH VACUUM BREAKER AND TEE KEY	WOODFORD	24		–	–	3/4"	–	
L-1	LAVATORY	WALL MOUNTED, VITREOUS CHINA,3-HOLE PUNCH @ 4" CENTER, FLOOR MOUNT CONCEALED ARM SUPPORT	AMERICAN STANDARD	0355.012	FAUCET: WHITEHALL MANUFACTURING MODEL WH3374; LIGATURE RESISTANT FAUCET WITH AIR CONTROL VALVE ASSEMBLY	2"	1-1/2"	1/2"	1/2"	FAUCET NEED TO BE INSTALLED PER MANUFACTURER'S STANDARD
L-2	LAVATORY	COUNTER MOUNTED, VITREOUS CHINA, 3-HOLE PUNCH @ 8" ON CENTER	AMERICAN STANDARD	0642.001	FAUCET: WHITEHALL MANUFACTURING MODEL WH3374-8IN; LIGATURE RESISTANT FAUCET WITH AIR CONTROL VALVE ASSEMBLY	2"	1-1/2"	1/2"	1/2"	FAUCET NEED TO BE INSTALLED PER MANUFACTURER'S STANDARD
MS-1	MOP SINK	FLOOR MOUNTED, DROP FRONT 24" x 24" X 12" DEEP	FLORESTONE	92	PROVIDE WITH MR-370, MR-371, MR-372, AND MR-373	3"	2"	1/2"	1/2"	
SH-1 (ADA)	SHOWER	COMMERCIAL GRADE ADA ROLL IN SHOWERS; BRASS DRAIN WITH SS SCREEN;	BARRIER FREE ARCHITECTURALS	5LES26331A75B	SHOWER VALVE (ADA): ACORN MODEL SV16 THERMOSTATIC MIXING VALVE WITH ADA LIGATURE RESISTANT DIVERTER VALVE; (2) CSH15 CONICAL LIGATURE RESISTANT SHOWERHEAD CHROMEPLATED BRASS AT 1.5 GPM.	2"	1-1/2"	1/2"	1/2"	INSTALL PER MANUFACTURER'S STANDARD
SK-1	LAUNDRY SINK	WALL MOUNTER SINK; 14 GAUGE TYPE 304 SS SINK WITH 8" HIGH BACKSPLASH	ELKAY	EWS2520W4C	FAUCET (INCLUDED IN THE SINK MODEL): LK940GN05T4H CHROME PLATED MIXING FAUCET @ 4" WRIST BLADE HANDLES AND 5' GOOSENECK SPOUT; LK18B DRAIN	2"	1-1/2"	1/2"	1/2"	
SK-2	SINK	COUNTERTOP, SINGLE BOWL, 18 GAUGE STAINLESS STEEL, 22-INCHES X 14-INCHES X 6-INCHES DEEP,	JUST	SL-ADA-2217-A-GR	KITCHEN FAUCET (SINGLE LEVER HANDLE): DELTA C 100LF-HDF	2"	1-1/2"	1/2"	1/2"	INSTALL WITH GBD-1
SK-3	THREE COMPARTMENT SINK	STAINLESS STTEL THREE TUBS SINK WITH LEFT DRAINBOARD	GSW	SE15153L	FAUCET: T&S BRASS MODEL B-0230-CR-LN & MODEL 092X NOZZLE WITH SWING SPOUT AT 12"; DRAIN: T&S MODEL B-3940	2"	–	3/4"	3/4"	INSTALL FLOW RESTRICTOR AT THE SINK DISCHARGE LINE.
TP-1	TRAP PRIMER		MIFAB	MR-500		–	–	1/2"	–	
WC-1 (ADA)	WATER CLOSET	TANK TYPE, VITREOUS CHINA ELONGATED BOWL; PRESSURE ASSIST TOILET @ 1.1 GPF	AMERICAN STANDARD	2467.100	SEAT (COMMERCIAL WEIGHT, HEAVY-DUTY SOLID PLASTIC WITH STAINLESS STEEL CHECK HINGE): OLSONITE 95SSCT	4"	2"	3/4"	–	
WMB-1	WASHING MACHINE OUTLET BOX	SINGLE LEVER VALVE WITH HAMMER ARRESTER	GUY GRAY	WB200HA		2"	1-1/2"	3/4"	3/4"	

NOTES:
1 SEE ARCHITECTURAL DRAWINGS FOR ALL FIXTURE MOUNTING HEIGHTS AND LOCATIONS.
2 INSTALL TEMPERING MIXING VALVE FOR ALL SINKS, MOP SINK & LAVATORY AS REQUIRED.

GAS CALCULATIONS

FIXTURE	DESCRIPTION	NO. OF FIXT.	BTU/HR INPUT	TOTAL BTU/HR
KITCHEN/APPLIANCES EQUIPMENT				
X	RANGE	1	40,000	40,000
X	FUTURE FIRE PLACE	1	40,000	40,000
X	DRYER	2	35,000	70,000
MECHANICAL EQUIPMENT				
X	FURNACE	1	140,000	140,000
PLUMBING EQUIPMENT				
X	DOMESTIC WATER HEATER	1	150,000	150,000
	TOTAL DEMAND (BTU)			440,000
	TOTAL DEMAND (CFH)			440

SIZING BASED ON 2013 CALIFORNIA PLUMBING CODE
STANDARD SUPPLY PRESSURE WITH 0.5 W.C. PRESSURE DROP
175 FEET DEVELOPED LENGTH

2"	854 CFH
1 1/2"	443 CFH
1 1/4"	296 CFH
1"	144 CFH
3/4"	77 CFH
1/2"	37 CFH

APPROVED PLAN
SEP 30 2016
SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY TO REMAIN ON SITE AT ALL TIMES

NO PLASTIC PLUMBING ALLOWED WITHIN BUILDING OR FOR WATER SERVICE

REVISION
SEP 06 2016
San Mateo County Building Inspection

PROJECT 2015-0429
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650.482.6300

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RHAA
225 MILLER AVENUE
MILL VALLEY CA 94941
415.383.7900

SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CERTIFIED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA.

REGISTERED PROFESSIONAL ENGINEER — CONCETTE Y. TONY — No. M36681 — MECHANICAL — STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CC #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

SCHEDULES - PLUMBING

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

P0.02

CONSTRUCTION DOCUMENTS BID SET

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GENERAL SHEET NOTES

A. CONTRACTOR TO CONNECT ALL EXISTING HOSE BIBB TO NEW WATER MAIN INSIDE THE BUILDING. CONTRACTOR TO VIF ALL EXISTING HOSE BIBB LOCATION & REPLACE (IN KIND) ALL (E) HOSE BIBB THAT IS NOT PROPERLY WORKING.

SHEET KEYNOTES

1 POINT OF CONNECTION. FIELD VERIFY SIZE, LOCATION AND INVERT OF (E) PIPING BEFORE COMMENCING OF WORK.

2 CONNECT (N) DRYER(S) TO (E) GAS ON WALL. CONTRACTOR TO VIF EXACT LOCATION OF GAS PIPE.

3 PROVIDE 3" WASTE FOR NEW WASHER.

4 PROVIDE (N) GWH & CONNECT TO (E) GAS PIPING. CONTRACTOR TO VIF PIPE SIZE.

5 SEE SHEET NOTE NO. 5 ON SHEET P2.00.

6 1-1/4" G (150 CFH) FOR MECHANICAL EQUIPMENT. SEE MECHANICAL DRAWING FOR EXACT UNIT LOCATION.

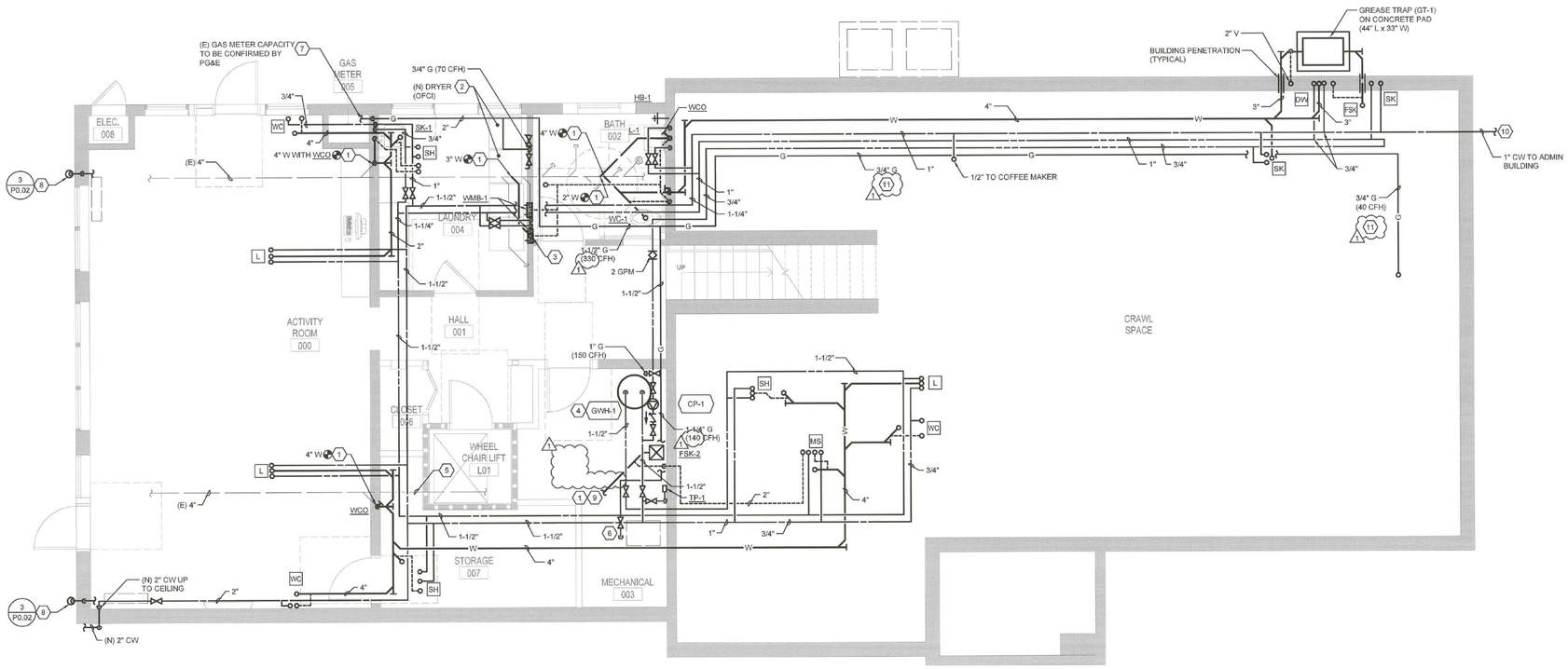
7 2" GAS (400 CFH @ 175 FT. DEV. LENGTH) LINE TO GAS METER. INSTALL EARTHQUAKE VALVE TO GAS LINE; VERIFY THE (E) GAS CAPACITY WITH PG&E.

8 3/4" CD FROM MECHANICAL UNIT (SEE MECHANICAL DWG. FOR EXACT UNIT LOCATION). ROUTE 3/4" CD LINE TO EXTERIOR OF THE BUILDING AND TERMINATE AT DRYWELL.

9 CONNECT (N) 3" WASTE FROM FSK TO (E) WASTE BELOW FLOOR. ROUTE TP CONNECTION TO (N) FSK.

10 SEE SHEET 2/P2.01 FOR CONTINUATION

11 ALTERNATE: REPLACE THE ENTIRE 3/4" GAS PIPE TO 1" GAS PIPE IF FIREPLACE SHALL BE GAS FIRED.



1 FLOOR PLAN - BASEMENT - PLUMBING

0 2' 4' 8'

SCALE: 1/4"=1'-0"

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

NO PLASTIC PLUMBING ALLOWED WITHIN BUILDING OR FOR WATER SERVICE

JOB COPY TO REMAIN ON SITE AT ALL TIMES

REVISION
SEP 06 2016
San Mateo County Building Inspection

PROJECT 2015-0429
CONTACT Thomas De Senna
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SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

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REGISTERED PROFESSIONAL ENGINEER — JEFFREY Y. YONG — No. M36681 — MECHANICAL — STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CC #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

FLOOR PLAN - BASEMENT - PLUMBING

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

P2.00

CONSTRUCTION DOCUMENTS BID SET

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GENERAL SHEET NOTES

A. CONTRACTOR TO CONNECT ALL EXISTING HOSE BIBB TO NEW WATER MAIN INSIDE THE BUILDING. CONTRACTOR TO VIF ALL EXISTING HOSE BIBB LOCATION & REPLACE (IN KIND) ALL (E) HOSE BIBB THAT IS NOT PROPERLY WORKING.

B. ALL (E) VENT THRU ROOF SHALL BE UTILIZED AND CONNECT (N) VENT INSIDE THE CEILING SPACE. CONTRACTOR TO VIF ALL (E) LOCATION AND SIZES.

SHEET KEYNOTES

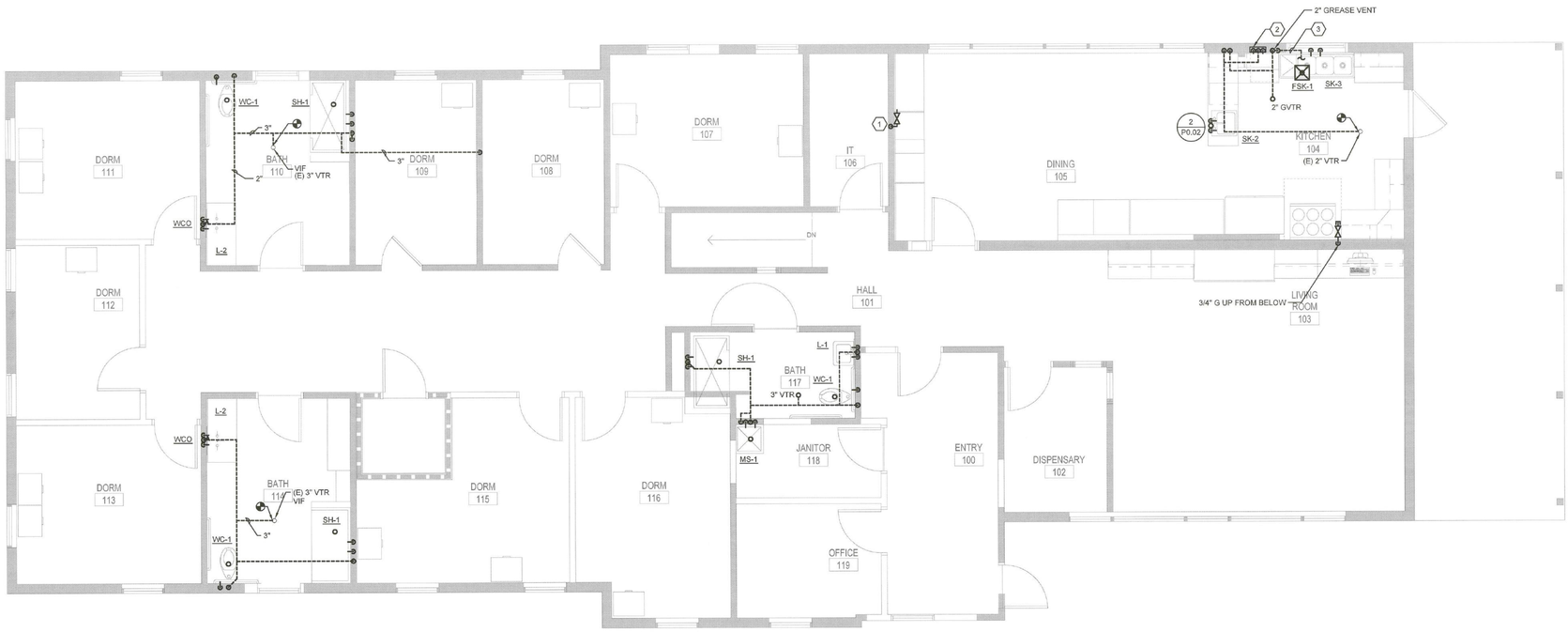
1 PROVIDE 1/2" CW WITH SOV FOR COFFEE MAKER.

2 PROVIDE DISHWASHER BOX (SAME AS VMB-1) FOR DISHWASHING EQUIPMENT. CONNECT CW TO "DRAIN TEMPERING KIT" FROM DISHWASHER MACHINE AND ROUTE DRAIN TO DISWASHER BOX. VERIFY IN FIELD THE LOCATION/ELEVATION OF BOX PER DISHWASHER EQUIPMENT MANUFACTURER RECOMMENDATION.

3 ROUTE 1-1/2" V (BELOW WINDOW) FROM FLOW RESTRICTOR AND CONNECT TO VERTICAL VENT PIPING INSIDE WALL.

4 SEE SHEET 1/P2.00 FOR CONTINUATION.

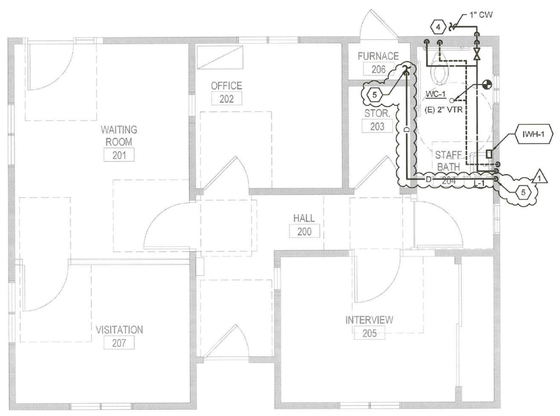
5 PROVIDE 3/4" CD PIPE TO MECHANICAL FAN COIL UNIT. SEE MECHANICAL DRAWING FOR EXACT UNIT LOCATION. TERMINATE CONDENSATE AT SINK TAILPIECE.



1 FLOOR PLAN - LEVEL 1 - MAIN BUILDING - PLUMBING

0 2' 4' 8'

SCALE: 1/4"=1'-0"



2 FLOOR PLAN - LEVEL 1 - ADMIN BUILDING - PLUMBING

0 2' 4' 8'

SCALE: 1/4"=1'-0"

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY

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SEP 06 2016
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SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

COUNTY OF SAN MATEO FOUNDED 1856

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REGISTERED PROFESSIONAL ENGINEER JANICE Y. TOONY No. M-34581 MECHANICAL STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

FLOOR PLAN - LEVEL 1 - PLUMBING

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

P2.01

CONSTRUCTION DOCUMENTS BID SET

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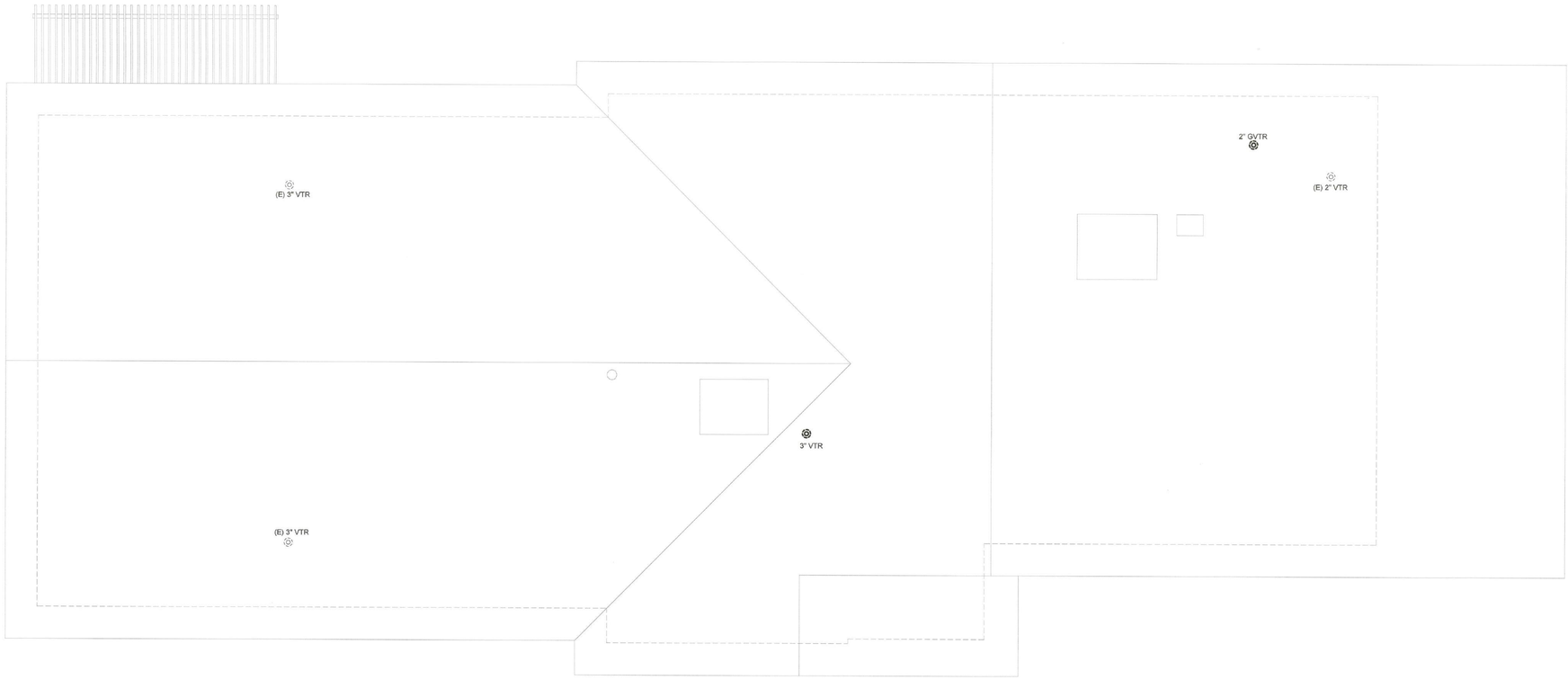
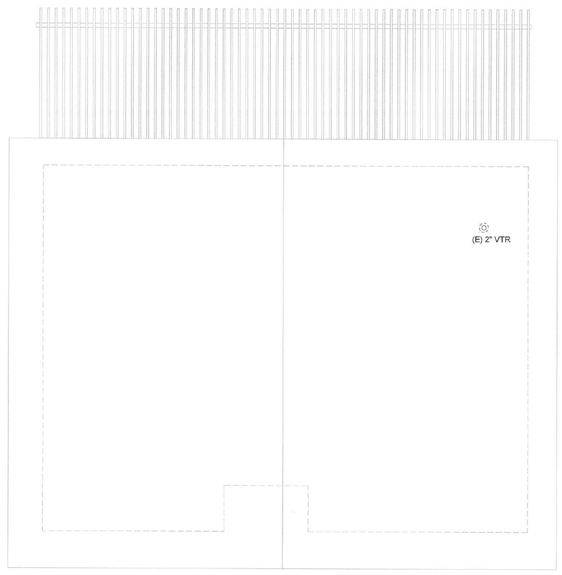


1 ROOF PLAN - MAIN BUILDING - PLUMBING

0 2' 4' 8'

SCALE: 1/4"=1'-0"



2 ROOF PLAN - ADMIN BUILDING - PLUMBING

0 2' 4' 8'

SCALE: 1/4"=1'-0"

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REGISTERED PROFESSIONAL ENGINEER — GEORGE T. YOSHIMURA — No. M30681 — MECHANICAL — STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE
1	CO #1	08.26.2016

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

ROOF PLAN - PLUMBING

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

P2.02

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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REVISION
SEP 06 2016
San Mateo County Building Inspection

PROJECT 2015-0429
CONTACT Thomas De Senna
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www.interfaceengineering.com

CONSTRUCTION DOCUMENTS BID SET

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GENERAL SHEET NOTES

A. ALL ABOVE GROUND/INSIDE CRAWLSPACE PIPING (CW, HW, WASTE, VENT & GAS) ARE TO BE REMOVE. CONTRACTOR TO PATCH HOLES FROM FLOOR/WALL/CEILING TO MATCH ADJACENT FINISH.

SHEET KEYNOTES

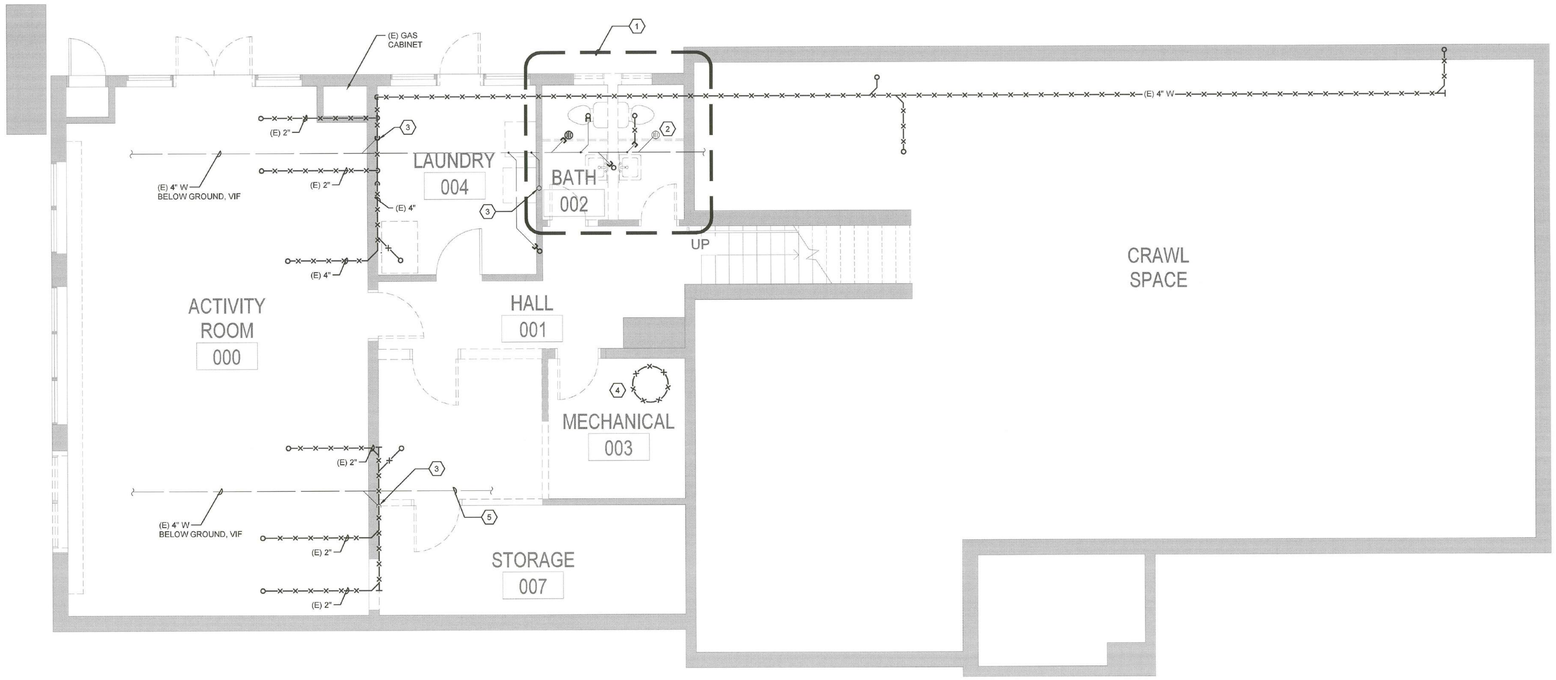
1 REMOVE & DISPOSE ALL EXISTING PLUMBING FIXTURES. CAP UNDERGROUND PIPING & PATCH FLOOR TO MATCH FLOOR FINISH.

2 (E) FLOOR DRAIN TO REMAIN. REMOVE & REPLACE FLOOR DRAIN GRATE TO MATCH EXISTING.

3 CUT (E) WASTE UP 12" ABOVE GROUND FOR NEW WASTE CONNECTION. CONTRACTOR TO VIF IF (E) WASTE RISER CAN BE RE-USED FOR NEW CONNECTION.

4 REMOVE (E) GWH AND ALL ASSOCIATED PIPING, TRIMS AND FITTINGS INCLUDING CIRCULATING PUMP. CAP GAS PIPING TEMPORARILY FOR (N) GWH CONNECTION.

5 CONTRACTOR TO VERIFY IF WASTE PIPING WILL BE AN OBSTRUCTION FOR NEW ELEVATOR. RE-ROUTE PIPING AS REQUIRED TO AVOID THE PIT.



1 DEMOLITION PLAN - BASEMENT - PLUMBING

0 2' 4' 8'

SCALE: 1/4"=1'-0"

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REGISTERED PROFESSIONAL ENGINEER BRENT CE T. TOWN No. M39681 MECHANICAL STATE OF CALIFORNIA

Date Signed: 8/25/16

NAME:
DATE:
REGISTRATION NUMBER:

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SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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DEMOLITION PLAN - BASEMENT - PLUMBING

DATE: AUGUST 26, 2016

CONSTRUCTION DOCUMENTS

PD2.00

PROJECT 2015-0429
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SHEET KEYNOTES

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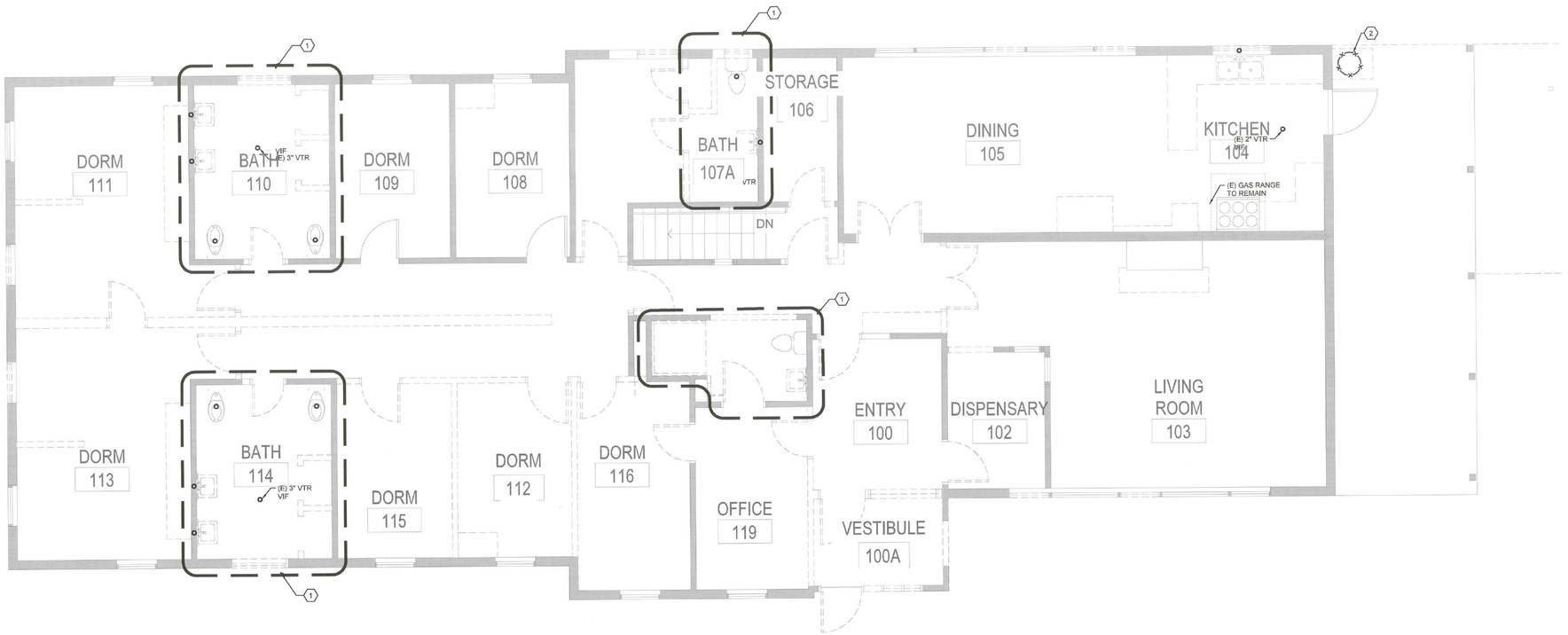
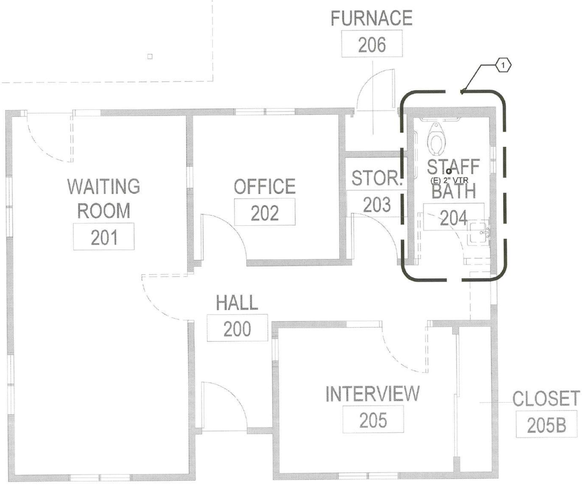
2 REMOVE (E) GWH AND ALL ASSOCIATED PIPING, TRIMS AND FITTINGS. CAP GAS PIPING INSIDE CEILING SPACE



1 DEMOLITION PLAN - LEVEL 1 - MAIN BUILDING - PLUMBING

0 2' 4' 8'

SCALE: 1/4"=1'-0"



2 DEMOLITION PLAN - LEVEL 1 - ADMIN BUILDING - PLUMBING

0 2' 4' 8'

SCALE: 1/4"=1'-0"

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REGISTERED PROFESSIONAL ENGINEER PRINCE Y. YOON No. M36681 MECHANICAL STATE OF CALIFORNIA

Date Signed: 8/25/16

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REGISTRATION NUMBER:

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DEMOLITION PLAN - LEVEL 1 - PLUMBING

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ABBREVIATIONS

A	
AB	ANCHOR BOLT
ADDL	ADDITIONAL
ADH	ADHESIVE
A/E	ARCHITECT / ENGINEER
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECT(URAL)
B	
BFE	BOTTOM OF FOOTING ELEVATION
BM	BEAM
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
BRDG	BRIDGING
C	
C	AMERICAN STANDARD CHANNEL
CIP	CAST IN PLACE
CJ	CONTROL/CONSTRUCTION JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTER LINE
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMP	COMPOSITE
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINU(E)(OUS)(ATION)
D	
D&A	DRILL & ADHESIVE ANCHOR
DBA	DEFORMED BAR ANCHOR
DBE	DECK BEARING ELEVATION
DET	DETAIL
DIA	DIAMETER
DL	DEAD LOAD
DWG(S)	DRAWING(S)
DWL	DOWEL (REBAR)
E	
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT (W/O COVER ASSEMBLY)
EL	ELEVATION
EQ	EQUAL
ES	EACH SIDE
EW	EACH WAY
EXG	EXISTING
EXP	EXPANSION
F	
FD	FLOOR DRAIN
FDN	FOUNDATION
FFE	FINISH FLOOR ELEVATION
FLG	FLANGE
FS	FAR SIDE/FOOTING STEP
FTG	FOOTING
G	
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GLB	GLUE LAMINATED BEAM
GR	GRADE
H	
HORIZ	HORIZONTAL
HPT	HIGH POINT
HSS	HOLLOW STRUCTURAL SECTION
I	
IF	INSIDE FACE
INFO	INFORMATION
J	
JBE	JOIST BEARING ELEVATION
JST	JOIST
JT	JOINT
K	
K	KIP (1000 POUNDS)
L	
L	ANGLE
LB	POUND
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCAT(E)(ION)
LONG	LONGITUDINAL(LY)
LPT	LOW POINT
LW	LIGHTWEIGHT

M	
MAX	MAXIMUM
MC	MISCELLANEOUS CHANNEL
MFR	MANUFACTURER
MIN	MINIMUM
MPII	MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS
N	
NIC	NOT IN CONTRACT
NOM	NOMINAL
NS	NEAR SIDE
NSG	NON-SHRINK GROUT
NTS	NOT TO SCALE
NW	NORMAL WEIGHT
O	
OC	ON CENTER
OF	OUTSIDE FACE
OPG	OPENING
OPP	OPPOSITE
P	
PC	PRECAST
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST TENSION(ED)(ING)
R	
R	RADIUS/RADII
RD	ROOF DRAIN
REF	REFER(ENCE)
REINF	REINFORC(E)(ED)(ING)(EMENT)
REQD	REQUIRED
S	
S	S SHAPE
SCHED	SCHEDULE
SEOR	STRUCTURAL ENGINEER OF RECORD
SIM	SIMILAR
SOG	SLAB ON GRADE
SPEC(S)	SPECIFICATION(S)
SRCJ	SPECIALLY ROUGHENED CONSTRUCTION JOINT
SS	STAINLESS STEEL
STD	STANDARD
STIF	STIFFENER
STL	STEEL
STRUC	STRUCTUR(E)(AL)
SYM	SYMMETR(Y)(ICAL)
T	
T&B	TOP AND BOTTOM
TBE	TOP OF BEAM ELEVATION
TCE	TOP OF PILE CAP (DRILLED PIER CAP) ELEVATION
TDE	TOP OF DECK ELEVATION
TEMP	TEMPERATURE/TEMPORARY
TFE	TOP OF FOOTING ELEVATION
TLE	TOP OF LEDGE ELEVATION
TPE	TOP OF PIER ELEVATION
TRANSV	TRANSVERSE
TSE	TOP OF SLAB ELEVATION
TWE	TOP OF WALL ELEVATION
TYP	TYPICAL
U	
UNO	UNLESS NOTED OTHERWISE
V	
VERT	VERTICAL
VIF	VERIFY IN FIELD
VR	VAPOR RETARDER
W	
W	W SHAPE
W/	WITH
W/O	WITHOUT
WD	WOOD
WL	WIND LOAD
WPT	WORKPOINT
WT	WEIGHT/STRUCTURAL TEE
WWF	WELDED WIRE FABRIC

SPECIAL SYMBOLS

@	AT	/	PER
Ø	DIAMETER	⊥	PERPENDICULAR

SPECIAL INSPECTION

IN ACCORDANCE WITH THE 2013 CBC SECTION 1701A, THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION. REFER TO SPECIFICATION SECTIONS, AND THE SPECIAL STRUCTURAL TESTING AND INSPECTION SCHEDULE FOR ADDITIONAL INFORMATION.

PROVIDE A MINIMUM 24 HOUR NOTICE TO THE SPECIAL INSPECTOR PRIOR TO CONSTRUCTION WHICH WOULD RESTRICT INSPECTION OF THE ITEM.

A. **CONCRETE**
   1. REINFORCING PLACEMENT FOR CONCRETE FOOTINGS (WITH REINFORCING IN TWO DIRECTIONS). WALLS, STRUCTURAL SLABS, COLUMNS AND BEAMS.
   2. CONCRETE PLACEMENT AND MATERIAL TESTING.

B. **EXPANSION ANCHORS**
   1. TORQUE OR PULL TESTING
   2. CONTINUOUS INSPECTION DURING INSTALLATION TO VERIFY
      - ANCHOR TYPE AND DIMENSIONS
      - CONCRETE TYPE, f'_c, THICKNESS
      - HOLE DIMENSION, SPACING, AND EDGE DISTANCE
      - EMBEDMENT

C. **ADHESIVE ANCHORS**
   1. INSPECTION PER 2013 CBC TABLE 1705A.3 ITEM 4

GENERAL STRUCTURAL NOTES

APPLY UNLESS NOTED OTHERWISE ON STRUCTURAL DRAWINGS OR SPECIFICATIONS.

DESIGN CODE

2013 CALIFORNIA BUILDING CODE (CBC), TITLE 24, PART 2, CCR

DESIGN LOADS

FLOOR LOAD	DL=	30 PSF*	LL=	40 PSF
CORRIDORS	DL=	30 PSF	LL=	100 PSF
ROOF LOAD	DL=	15 PSF	LL=	20 PSF

* INCLUDES 15 PSF FOR INTERIOR PARTITIONS.

WIND LOAD: 110 MPH BASIC WIND SPEED
EXPOSURE CATEGORY = B
CATEGORY II BUILDING

WIND PRESSURES AT FENCE AND SITE STRUCTURES: 16 PSF (SERVICE LEVEL - BASED ON CRITERIA ABOVE)

SEISMIC CRITERIA

SEISMIC DESIGN CATEGORY	= E
OCCUPANCY CATEGORY	= II
IMPORTANCE FACTOR	= 1.0
S_S	= 2.012
S_1	= 0.948
S_{DS}	= 1.341
S_{D1}	= 0.948

EXISTING BUILDING IS CONVENTIONAL WOOD FRAMED STRUCTURE

SEISMIC ANALYSIS OF EXISTING BUILDING HAS NOT BEEN PERFORMED, AND NO SEISMIC UPGRADES ARE PART OF THIS PROJECT. SEE "CODE ANALYSIS" ON SHEET A011

SUPPLEMENTAL NOTES

EXAMINE ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS TO DETERMINE LOCATION AND DIMENSIONS OF CHASES, INSERTS, OPENINGS, SLEEVES, REVEALS, DEPRESSIONS AND OTHER PROJECT REQUIREMENTS NOT SHOWN ON STRUCTURAL DRAWINGS.

BEFORE FABRICATION AND ERECTION OF ANY MATERIALS, FIELD VERIFY ALL EXISTING ELEVATIONS, DIMENSIONS AND CONDITIONS AS SHOWN ON THE DRAWINGS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER AT ONCE FOR RESOLUTION.

STRUCTURAL MEMBERS INCLUDING JOISTS, SLABS, BEAMS, TRUSSES, COLUMNS AND WALLS ARE DESIGNED FOR "IN PLACE" LOADS. CONTRACTOR IS RESPONSIBLE FOR BRACING, WITHOUT OVERSTRESSING, ALL STRUCTURAL ELEMENTS (AS REQUIRED AT ANY STAGE OF CONSTRUCTION) UNTIL COMPLETION OF THIS PROJECT.

MATERIALS

CAST-IN-PLACE CONCRETE

f'_c = 3000 PSI (MIN.) AT 28 DAYS (FOOTINGS ONLY)
f'_c = 4000 PSI AT 28 DAYS (WALLS)
f'_c = 4000 PSI AT 28 DAYS & W/C < 0.45 (SLAB-ON-GRADE)

* MAXIMUM CONCRETE AGGREGATE SIZE IS 1" TYPICALLY, EXCEPT 1 1/2" MAY BE USED AT FOUNDATIONS.

* MAXIMUM CONCRETE SLUMP IS 5".

* MODIFY MINIMUM CONCRETE STRENGTH, CEMENT TYPE, AND WATER TO CEMENT RATIO TO COMPLY WITH ACI 318 TABLE 4.3.1. FOR CONCRETE KNOW TO BE EXPOSED TO SULFATE, EITHER BY THE SITE SOIL OR CONCRETE AGGREGATES.

STEEL REINFORCING

REINFORCING BARS: ASTM A615 (GRADE 60)

WOOD FRAMING

DIMENSION LUMBER: WCLIB AND WWPA GRADING, DOUGLAS FIR LARCH NO. 1 - KILN DRIED LUMBER. (2x FRAMING MEMBERS MAY BE RIPPED UP TO 1/2" MAXIMUM TO MATCH DEPTH OF ADJACENT EXISTING JOISTS)

STUDS: WCLIB AND WWPA GRADING, DOUGLAS FIR LARCH NO. 2
POSTS: WCLIB AND WWPA GRADING, DOUGLAS FIR LARCH NO. 1 OR BETTER

MICROLAMS: REDBULT INC. (GRADE, 2.0 DF/LP/WH MIN)
SHEATHING (SUBFLOOR, ROOF, WALL): APA RATED, THICKNESS, GRADE AND EXPOSURE AS NOTED ON DRAWINGS OR SPECIFICATIONS

REDWOOD AT TRELLIS: RIS GRADING, HEARTWOOD GRADE NO. 1 (SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS)

CAST-IN-PLACE CONCRETE

CODE FOR REINFORCED CONCRETE DESIGN AND CONSTRUCTION - ACI 318-11.

ALL CONCRETE, UNLESS NOTED OTHERWISE, SHALL BE REGULAR WEIGHT HARD ROCK TYPE (150 PCF). LIGHT WEIGHT CONCRETE SHALL BE 110 PCF, WITH A RANGE OF 107 PCF TO 116 PCF AGGREGATES CONFORMING TO ASTM C33. THE AGGREGATES SHALL CONFORM TO ASTM C330. FINE AGGREGATES IN LIGHTWEIGHT CONCRETE MIXES SHALL CONFORM TO ASTM C33.

CEMENT SHALL CONFORM TO ASTM C-150 (TYPE II) UNLESS WATER-SOLUBLE SULFATES IN THE SOIL EXCEED 0.20 PERCENT BY WEIGHT USE ASTM C-150 (TYPE V).

FLYASH CONFORMING TO ASTM C618, CLASS F, WITH A LOSS OF IGNITION (LOI) LESS THAN 1 PERCENT, SHALL BE PERMITTED TO BE SUBSTITUTED FOR CEMENT (ASTM C150) BY WEIGHT. A MINIMUM SUBSTITUTION OF FLYASH BY WEIGHT OF 15 PERCENT IS REQUIRED FOR FOUNDATION POURS EXCEEDING 3 FEET IN THICKNESS.

CONCRETE MIXES SHALL BE BASED ON FIELD EXPERIENCE OR LABORATORY TRIAL MIXTURES PER THE REQUIREMENTS OF ACI CHAPTER 5

ARRANGEMENT AND BENDING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI DETAILING MANUAL, LATEST EDITION.

REINFORCING STEEL SHALL BE NEW DEFORMED BARS.

CLEAR COVER REQUIREMENTS

CONCRETE COVER TO REINFORCING STEEL, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS:

SURFACES CAST AGAINST EARTH: 3"

FORMED SURFACES IN CONTACT WITH EARTH OR EXPOSED TO WEATHER:
- #6 OR LARGER: 2"
- #5 OR SMALLER: 1 1/2"

FORMED SURFACES NOT IN CONTACT WITH EARTH OR EXPOSED TO WEATHER:
- WALLS, SLABS, JOISTS: 1"
- BEAMS, COLUMNS: 1 1/2"

NON-CONTINUOUS ENDS OF TOP BARS IN BEAMS AND SLABS SHALL TERMINATE IN A STANDARD HOOK, UNLESS DETAILED OTHERWISE. BAR LENGTHS INDICATED DO NOT INCLUDE HOOKS WHERE THEY OCCUR.

WHERE REINFORCING BARS ARE SHOWN CONTINUOUS, PROVIDE CLASS B TENSION LAP SPLICES (12" MINIMUM) EXCEPT WHERE NOTED OR DETAILED OTHERWISE. LAP WWF WIRE SPACING PLUS 2" (6" MINIMUM).

DETAIL AND PROVIDE SUITABLE WIRE SPACERS, CHAIRS, TIES, ETC., FOR SUPPORTING REINFORCING STEEL IN THE PROPER POSITION WHILE PLACING CONCRETE.

ALL CHAIRS SUPPORTED BY GRADE SHALL INCLUDE SAND PLATES.

BAR SUPPORTS WHICH COME IN CONTACT WITH EXPOSED SURFACES SHALL HAVE PLASTIC OR RUBBER TIPS OR BE STAINLESS STEEL.

PROVIDE DOWELS OF THE SAME SIZE AND SPACING AS VERTICAL WALL OR COLUMN PIER REINFORCING AT THE FOUNDATION, UNLESS NOTED OTHERWISE. DOWELS SHALL BE TIED IN PLACE PRIOR TO CONCRETE PLACEMENT.

HORIZONTAL CONSTRUCTION JOINTS ARE NOT PERMITTED IN CONCRETE MEMBERS UNLESS SHOWN ON THE DRAWINGS OR APPROVED IN ADVANCE. VERTICAL CONSTRUCTION JOINTS OR BULKHEADS SHALL BE MADE AT MID-SPAN OR POINTS OF MINIMUM SHEAR.

VERIFY LOCATION OF OPENINGS SHOWN THROUGH CONCRETE SLABS OR WALLS AND COORDINATE ANY ADDITIONAL REQUIRED OPENINGS WITH OTHER TRADES AND THE ARCHITECT/ENGINEER.

ALUMINUM CONDUIT OR PIPING MAY NOT BE EMBEDDED IN ANY CONCRETE.

CALCIUM CHLORIDE IS NOT PERMITTED AS A CONCRETE ADDITIVE.

POST INSTALLED ANCHORS

WHEN INSTALLING DRILED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.

CONCRETE EXPANSION BOLTS

ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS GIVEN IN THE ICC RESEARCH COMMITTEE RECOMMENDATIONS FOR THE SPECIFIC ANCHOR.

THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SUCH THAT INTERFERENCE OF REINFORCING STEEL WITH CONCRETE ANCHOR PLACEMENT DOES NOT OCCUR. IF REINFORCING STEEL IS ENCOUNTERED DURING DRILLING, ADJUST THE ANCHOR LOCATION IF POSSIBLE AND NOTIFY THE OWNER'S REPRESENTATIVE. ABANDONED HOLES SHALL BE FILLED WITH GROUT. ANCHORS SHALL BE SET WITHIN 3 INCHES OF THEIR SPECIFIED LOCATION, BUT AT LEAST 1 INCH FROM ABANDONED HOLE. CARE SHALL BE TAKEN NOT TO BREAK OR DAMAGE REINFORCING STEEL DURING DRILLING, UNLESS OTHERWISE DIRECTED BY THE OWNER'S REPRESENTATIVE.

TEST 100% OF ANCHORS EXCEPT ONLY 10% NEED TO BE TESTED FOR SILL PLATE BOLTING APPLICATIONS. NON-STRUCTURAL APPLICATIONS SUCH AS EQUIPMENT ANCHORAGE, 50% OR ALTERNATE BOLTS IN A GROUP, INCLUDING AT LEAST ONE-HALF THE ANCHORS IN EACH GROUP, SHALL BE TESTED. TESTS SHALL BE IN THE PRESENCE OF THE OWNER'S PROJECT INSPECTOR OR TESTING LABORATORY AND THE TEST RESULTS SUBMITTED TO THE PROJECT ENGINEER. TEST REQUIREMENTS FOR EXPANSION ANCHORS USED IN METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILINGS SHALL BE IN ACCORDANCE WITH THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. TEST VALUES LISTED ARE FOR A TORQUE WRENCH TEST. THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN ONE-HALF TURN OF THE NUT. ALTERNATELY EXPANSION ANCHORS MAY BE PULL TESTED TO TWICE THE ALLOWABLE TENSION VALUES SHOWN.

IN THE EVENT OF ANY TEST FAILURE, TEST ALL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL TWENTY CONSECUTIVE PASS. THEN RESUME INITIAL TESTING FREQUENCY. PATCH ALL HOLES WHERE FASTENERS ARE REMOVED USING GROUT, PACKED SOLIDLY.

ADDITIONAL TESTING NOTES:

1. APPLY PROOF TEST LOADS TO WEDGE ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT AND INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS AS THE ORIGINAL NUT USING A TORQUE WRENCH & APPLY LOAD.
2. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITH-DRAWING BY THE FIXTURES(S).
3. TEST EQUIPMENT (INCLUDING TORQUE WRENCHES) IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.
4. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:

   HYDRAULIC RAM METHOD: ANCHORS TESTED WITH A HYDRAULIC JACK OR SPRING LOADED DEVICES SHALL MAINTAIN THE TEST LOAD FOR A MINIMUM OF 15 SECONDS AND SHALL EXHIBIT NO DISCERNABLE MOVEMENT DURING THE TENSION TEST, E.G., AS EVIDENCE BY LOOSENING OF THE WASHER UNDER THE NUT.
   TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN THE FOLLOWING LIMITS; ONE-HALF (1/2) TURN OF THE NUT.
5. TESTING SHOULD OCCUR A MINIMUM OF 24 HOURS AFTER INSTALLATION OF THE SUBJECT ANCHORS.

EXPANSION ANCHOR NOTES:

TENSION AND SHEAR VALUES ARE BASED ON ICC REPORTS ESR-1917 FOR HILTI AND ESR-3037 FOR SIMPSON WITH SEISMIC APPLICATIONS MODIFIED FOR fc = 3,000 PSI CONCRETE, UNLESS NOTED OTHERWISE. FOR ALLOWABLE STRESS, THE VALUES ARE DIVIDED BY 1.4, AND ADDITIONALLY REDUCED BY 0.75 PER THE ACI 318-11 SECTION D.3.3.4.4. ALL VALUES IN THE TABLE REFLECT ALLOWABLE STRENGTHS WITH 20% STRESS INCREASE FOR LOAD COMBINATIONS WITH OVERSTRENGTH FACTOR IN ACCORDANCE WITH ASCE 7-10 SECTION 12.4.3.3.

HILTI KWIK BOLT TZ (TABLE 1A)

BOLT DIAMETER d_a (INCHES)	MIN MEMBER THICKNESS h_{min} (INCHES)	NOMINAL EMBEDMENT DEPTH h_{nom} (INCHES)	MIN HOLE DEPTH h_o (INCHES)	MIN EDGE DISTANCE[1] C_{ac} (INCHES)	ALLOWABLE SEISMIC TENSION[2] (LBS)	ALLOWABLE SEISMIC SHEAR[2] (LBS)	TORQUE TEST T_{inst} (FT-LBS)
3/8	4	2 5/16	2 5/8	4 3/8	1039	1098	25
1/2	4	2 3/8	2 5/8	5 1/2	1100	1342	40
	6	3 5/8	4	7 1/2	2250	2591	
5/8	5	3 9/16	3 3/4	6 1/2	2149	2132	60
	6	4 7/16	4 3/4	8 3/4	3113	3119	
3/4	6	4 5/16	4 1/2	10	2825	3477	110
	8	5 9/16	5 3/4	9	4028	4611	

SIMPSON STRONG-BOLT 2 (TABLE 1B)

BOLT DIAMETER d_a (INCHES)	MIN MEMBER THICKNESS h_{min} (INCHES)	NOMINAL EMBEDMENT DEPTH h_{nom} (INCHES)	MIN HOLE DEPTH h_{hole} (INCHES)	MIN EDGE DISTANCE[1] C_{ac} (INCHES)	ALLOWABLE SEISMIC TENSION[2] (LBS)	ALLOWABLE SEISMIC SHEAR[2] (LBS)	TORQUE TEST T_{inst} (FT-LBS)
3/8	3 1/4	1 7/8	2	6 1/2	595	1003	30
	4 1/2	2 7/8	3	6	1270	1003	
1/2	4 1/2	2 3/4	3	6 1/2	1313	1681	60
	6	3 7/8	4 1/8	7 1/2	1710	2611	
5/8	5 1/2	3 3/8	3 5/8	7 1/2	1774	2456	90
	7 7/8	5 1/8	5 3/8	9	3156	4251	
3/4	6 3/4	4 1/8	4 3/8	9	2412	3633	150
	8 3/4	5 3/4	6	8	3891	2804	

ADDITIONAL TABLE 1 NOTES:

1. VALUES ARE FOR SINGLE ANCHORS WITH NO SPACING REDUCTION. ALLOWABLE SEISMIC SHEAR VALUES USE THE EDGE DISTANCE NOTED TO CHECK CONCRETE BREAKOUT STRENGTH FORCE. FOR PARALLEL TO EDGE SHEAR LOADS, THE VALUE LISTED MAY BE TWICE THE NOTED VALUE, BUT MUST BE CHECKED NOT TO EXCEED THE ICC REPORT VALUE BASED ON THE STEEL STRENGTH CAPACITY.
2. VALUES ARE FOR NORMAL WEIGHT CONCRETE (f'_c=3000 PSI). FOR SAND-LIGHTWEIGHT CONCRETE MULTIPLY TENSION VALUES BY 0.60

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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SEP 06 2016
San Mateo County Building Inspection

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SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

COUNTY OF SAN MATEO FOUNDED 1856

EXP. 3/31/2017

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

GENERAL STRUCTURAL NOTES AND ABBREVIATIONS

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

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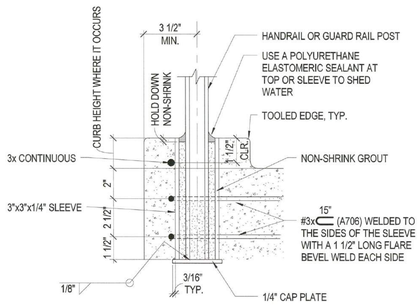
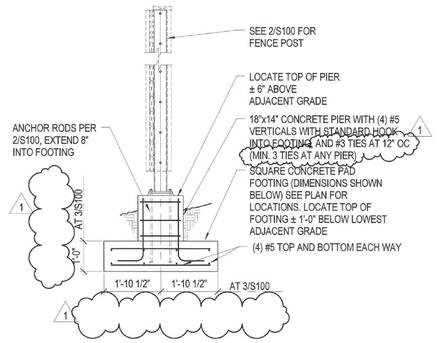
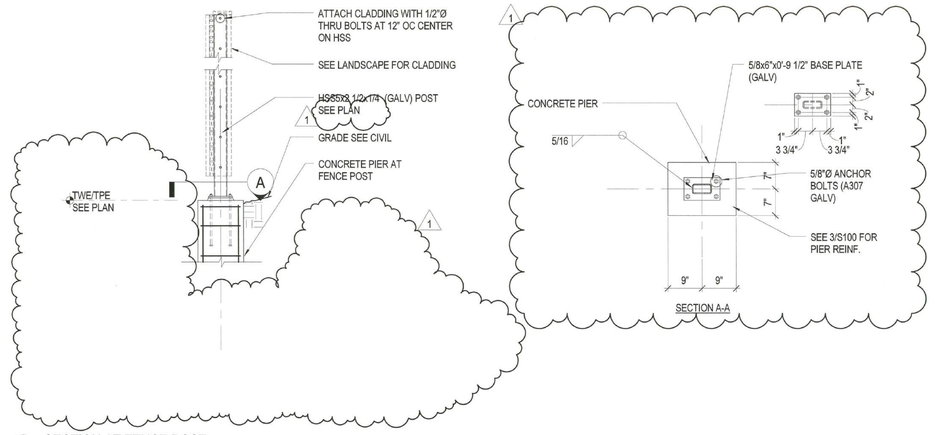


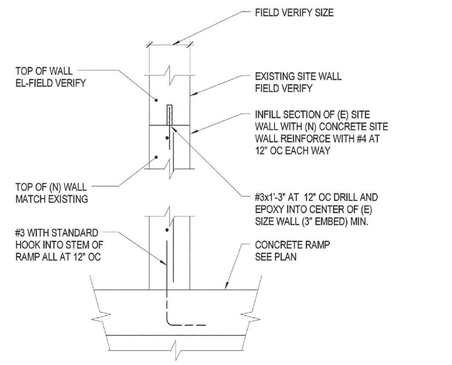
8 DETAIL
3" = 1'-0"



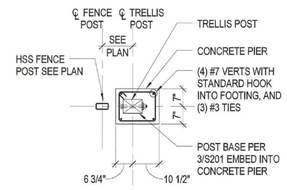
3 FENCE POST INDIVIDUAL FOOTING
1/2" = 1'-0"

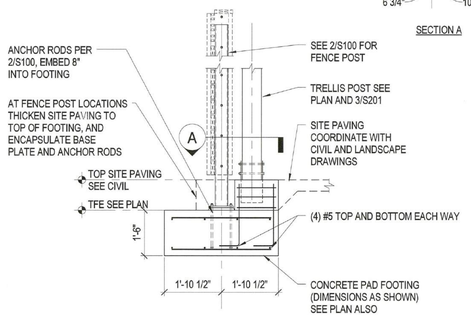


2 SECTION AT FENCE POST
1/2" = 1'-0"

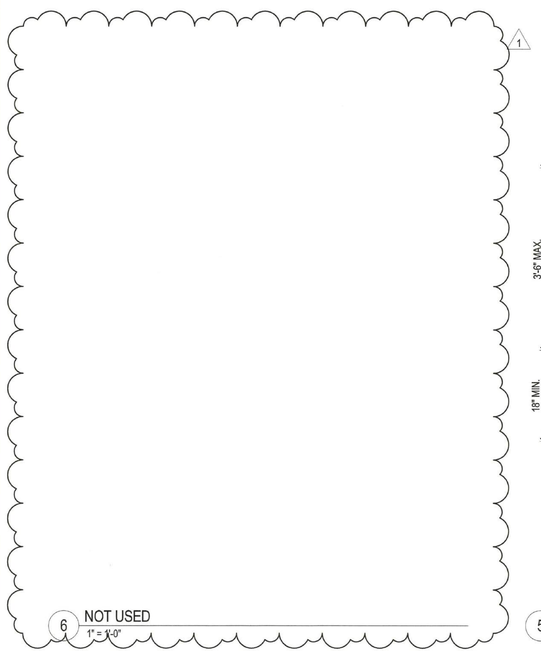


7 PLAN DETAIL AT SITE WALL CONNECTION
1" = 1'-0"

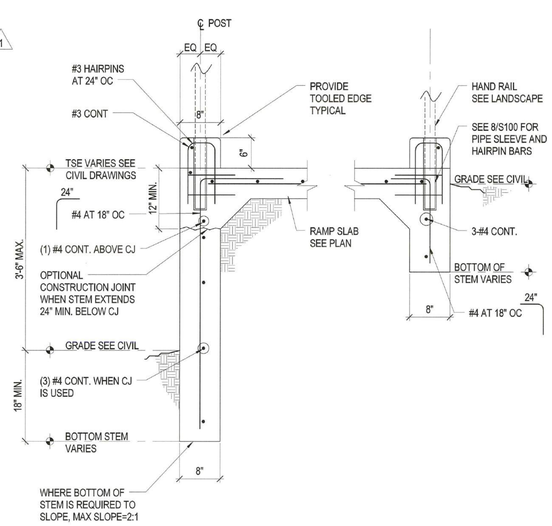




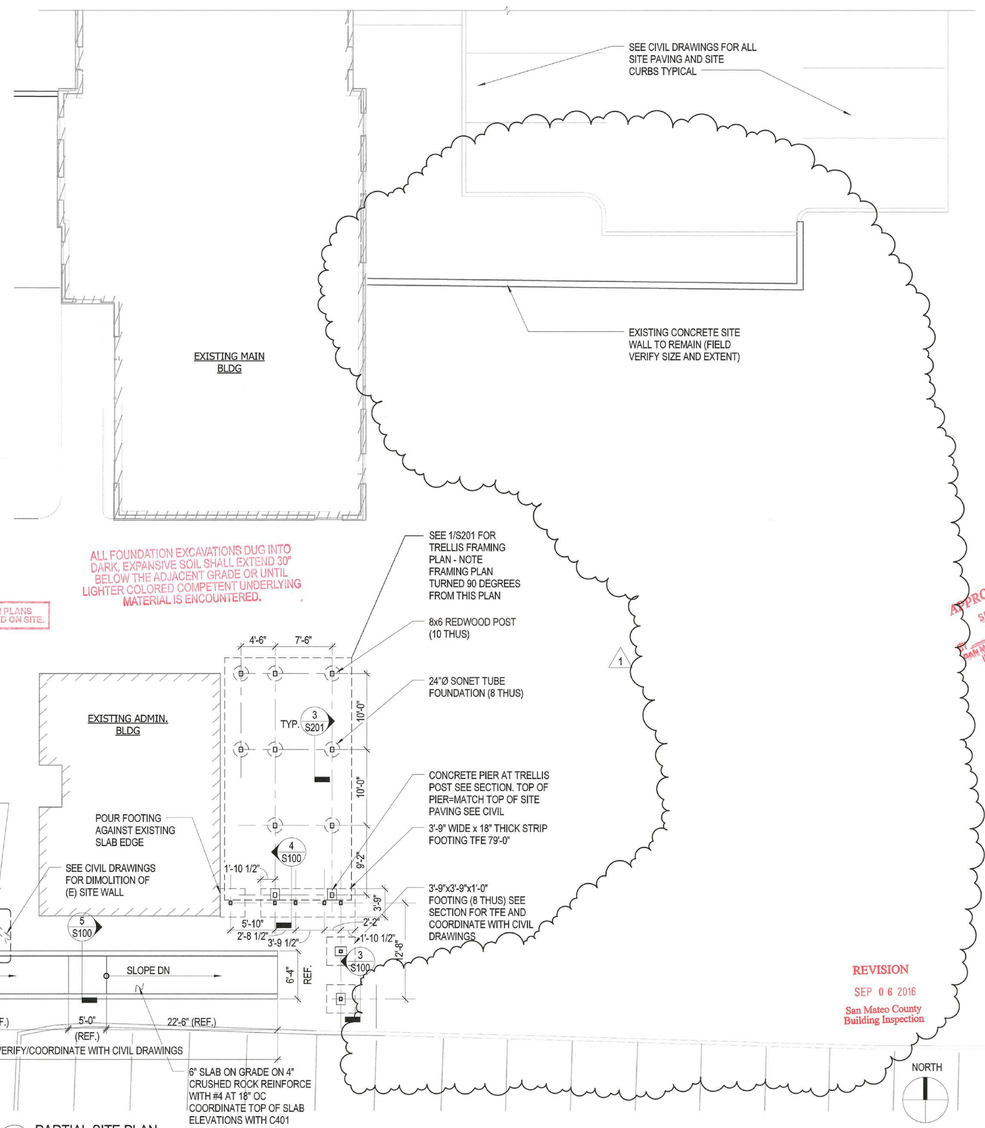
4 FENCE POST INDIVIDUAL FOOTING
1/2" = 1'-0"



6 NOT USED
1" = 1'-0"



5 SECTION THRU RAMP
1" = 1'-0"



1 PARTIAL SITE PLAN
1/8" = 1'-0"

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SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

COUNTY OF SAN MATEO FOUNDED 1856

BRENDAN A. FAHEY No. 39127 STRUCTURAL STATE OF CALIFORNIA

APPROVED PLAN
SEP 30 2016
San Mateo County Building Inspection Division

NO.	DESCRIPTION	DATE
1	CO #1	08.26.2016

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ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

PARTIAL SITE PLAN AND DETAILS

DATE: FEBRUARY 5, 2016

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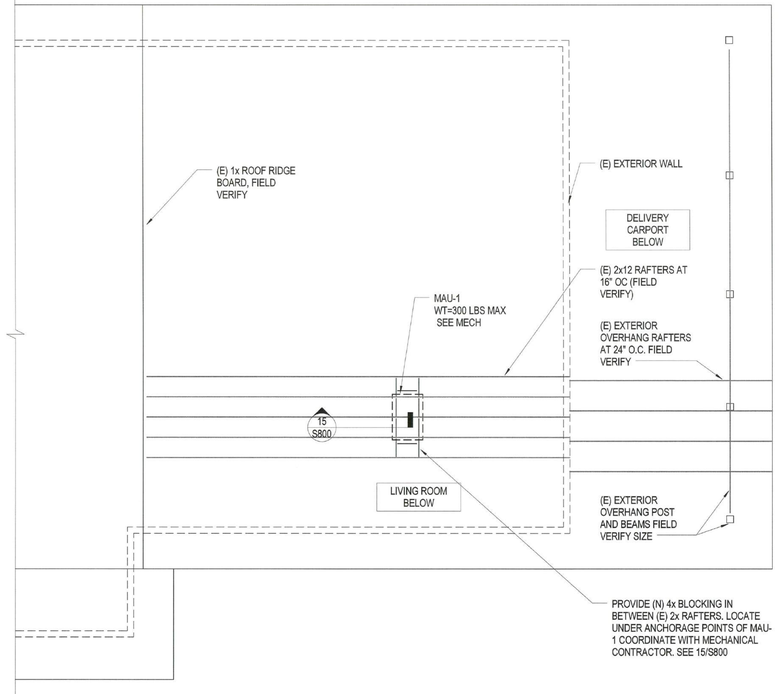
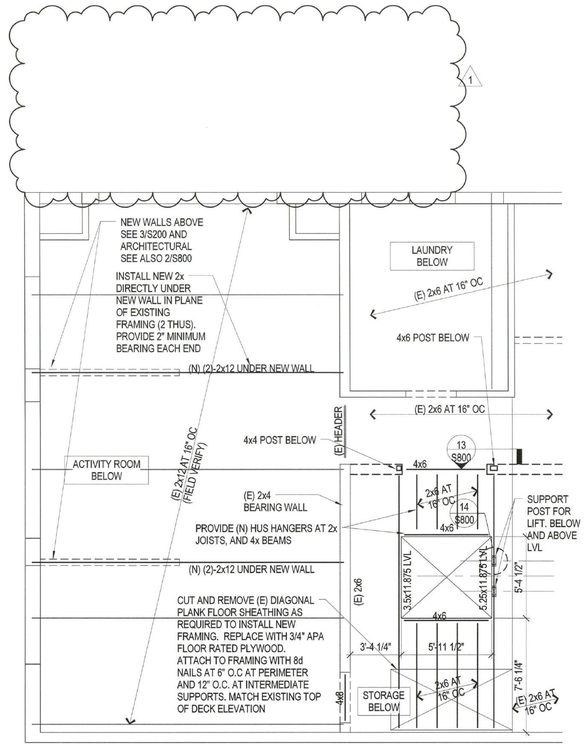
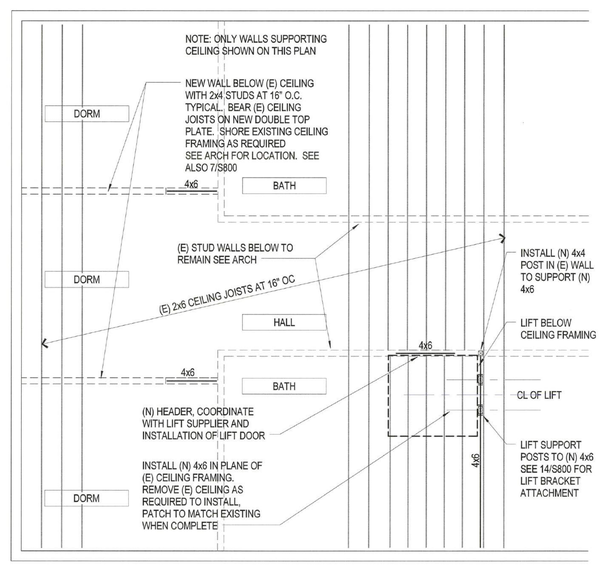


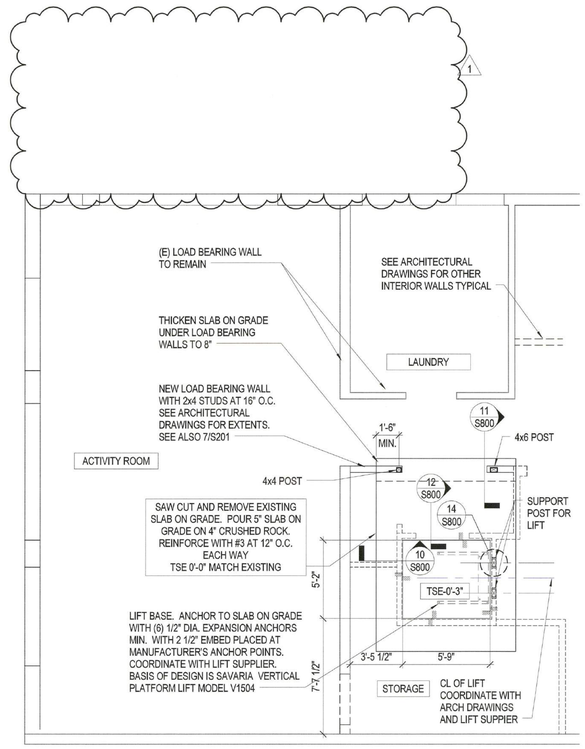
4 PARTIAL ROOF FRAMING PLAN - SOUTH END OF MAIN BUILDING
1/4" = 1'-0"



2 LEVEL 1 PARTIAL FRAMING PLAN - NORTH END OF MAIN BUILDING
1/4" = 1'-0"



3 LEVEL 1-PARTIAL CEILING FRAMING PLAN - NORTH END OF MAIN BUILDING
1/4" = 1'-0"



1 PARTIAL FOUNDATION PLAN - NORTH END OF MAIN BUILDING
1/4" = 1'-0"

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SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

APPROVED PLAN SEP 9 BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

NO	DESCRIPTION	DATE
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MAIN BUILDING BASEMENT PLAN & LEVEL 1 FRAMING PLAN

REVISION
SEP 06 2016
San Mateo County Building Inspection

DATE: FEBRUARY 5, 2016

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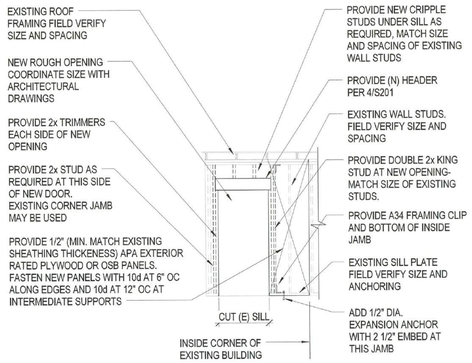
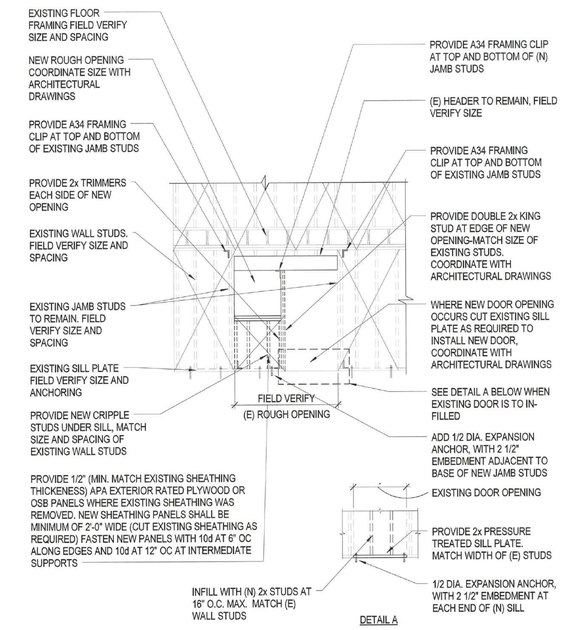
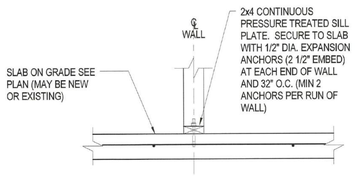


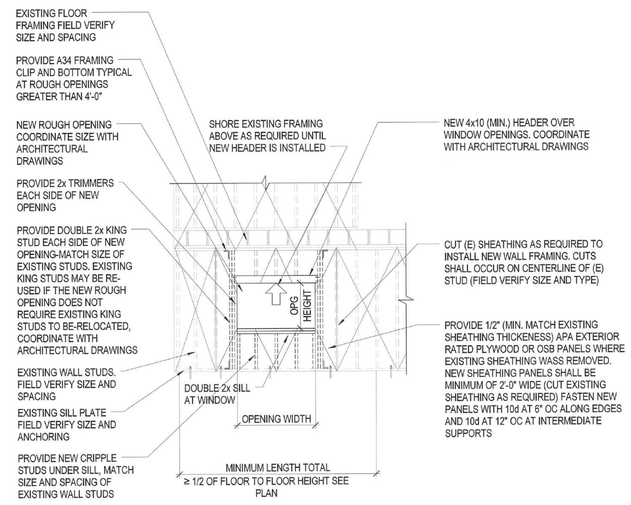
6 ELEVATION AT NEW DOOR
1/4" = 1'-0"



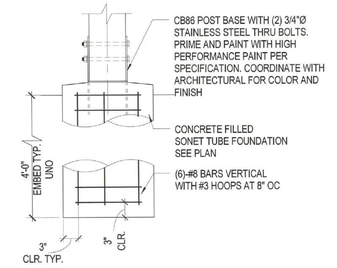
5 INFILL OF EXISTING OPENING AT EXTERIOR WALL
1/4" = 1'-0"



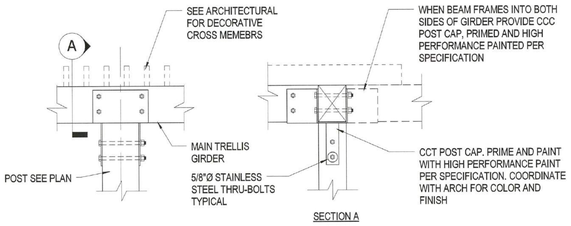
7 TYPICAL WALL SILL TO SLAB ON GRADE U.N.O.
1" = 1'-0"



4 ELEVATION OF NEW HEADER AT EXTERIOR WALL
1/4" = 1'-0"

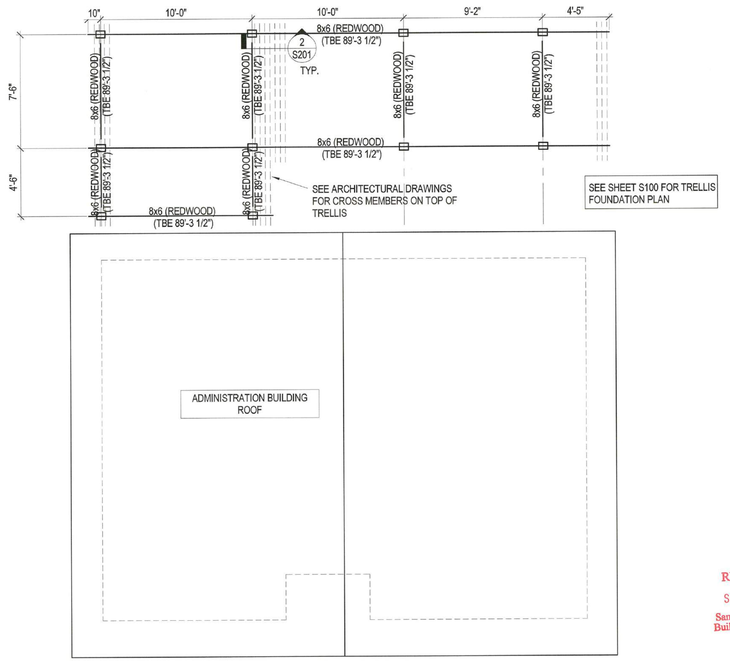


3 TRELLIS POST CONNECTION TO FOUNDATION
1" = 1'-0"



SECTION A

2 TRELLIS FRAMING CONNECTION
1" = 1'-0"



1 TRELLIS FRAMING PLAN AT ADMINISTRATION BUILDING ROOF
1/4" = 1'-0"

hGA
170 Maiden Lane, 5th Floor
San Francisco, California 94108
Telephone 415.814.6910

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SERENITY HOUSE

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SYSTEM BEHAVIORAL HEALTH AND RECOVERY SERVICES

COUNTY OF SAN MATEO FOUNDED 1856

REGISTERED PROFESSIONAL ENGINEER SCOTT A. PAGE EXP. 3/31/2017 STRUCTURAL STATE OF CALIFORNIA

APPROVED PLAN SEP 30 2016 BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

JOB COPY TO REMAIN ON SITE AT ALL TIMES

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

ADMINSTRATION BUILDING ROOF FRAMING AND DETAILS

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

S201

CONSTRUCTION DOCUMENTS BID SET

REVISION
SEP 06 2016
San Mateo County Building Inspection

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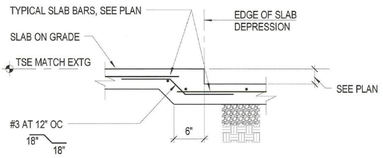
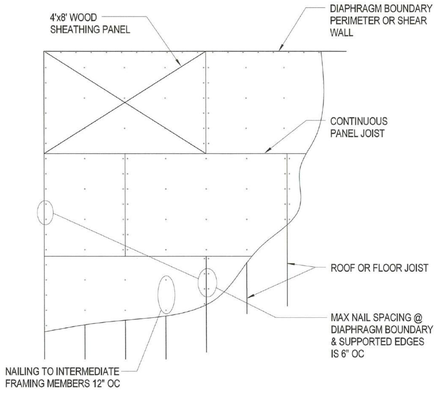
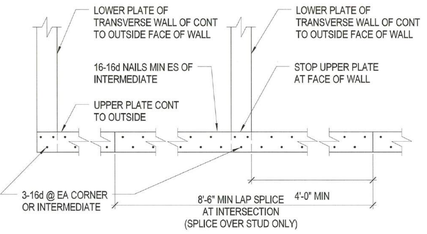
8/23/2016 3:29:25 PM C:\Users\scchrist\Documents\Revit Local Files\San Mateo Serenity House-3505003001_scchrist-PC5648.rvt Author



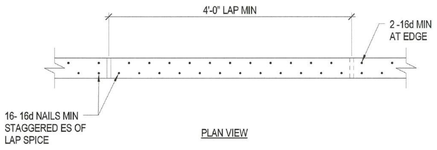
12 SLAB DEPRESSION
1" = 1'-0"



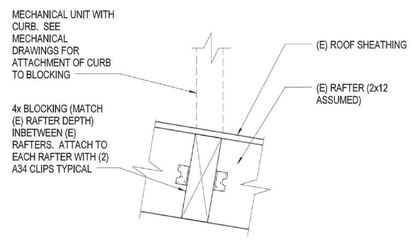
8 UNBLOCKED DIAPHRAGM NAILING PLAN
1/2" = 1'-0"



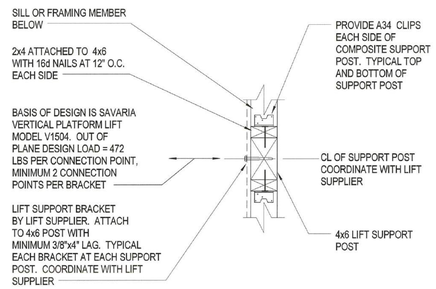
4 TOP PLATE AT CORNER AND INTERSECTION
1" = 1'-0"



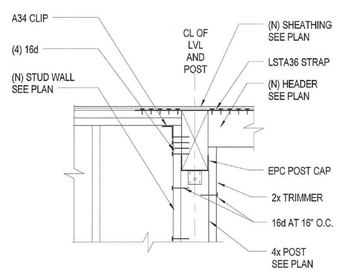
3 TOP PLATE LAP DETAIL
1" = 1'-0"



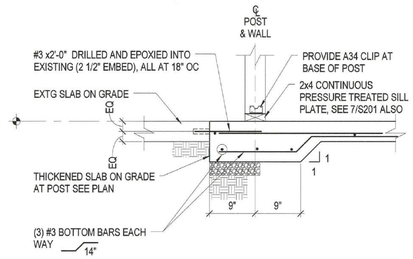
15 BLOCKING TO (E) RAFTER
1 1/2" = 1'-0"



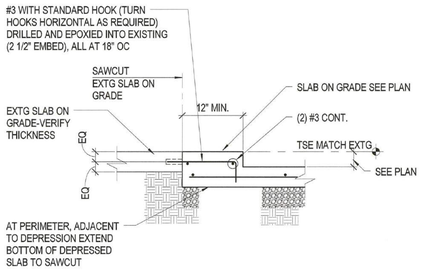
14 LIFT SUPPORT POST AND BRACKET CONNECTION
1 1/2" = 1'-0"



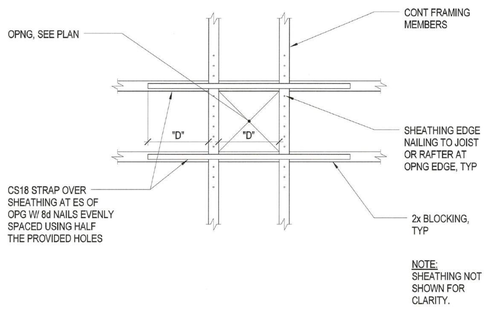
13 LVL TO POST SECTION
1" = 1'-0"



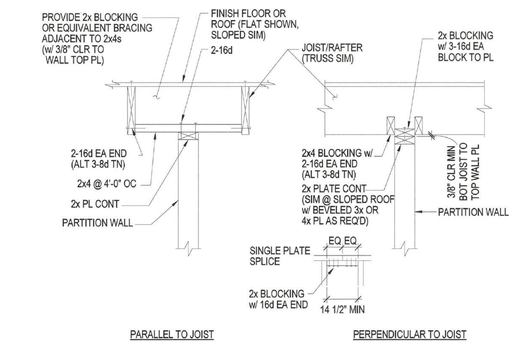
11 SECTION AT NEW POST
1" = 1'-0"



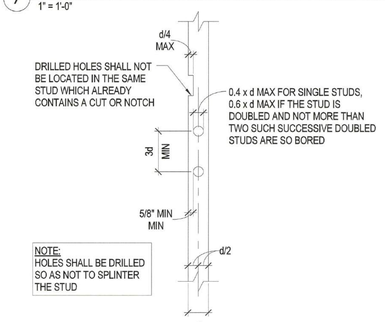
10 SECTION AT SLAB ON GRADE
1" = 1'-0"



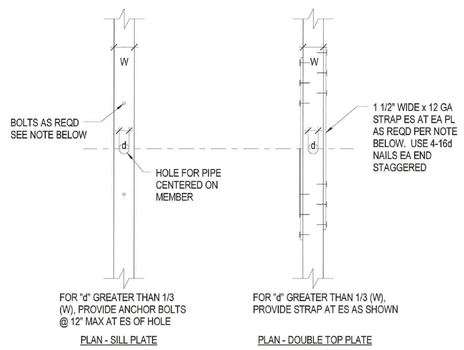
9 HOLE IN DIAPHRAGM DETAIL
1" = 1'-0"



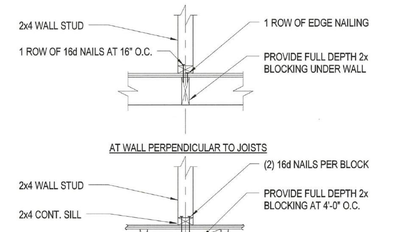
7 STUD FRAMING AT JOIST
1" = 1'-0"



6 HOLES OR NOTCHES IN STUD
1" = 1'-0"



5 HOLES THROUGH PLATES
1" = 1'-0"



2 TYPICAL SILL CONNECTION ON FRAMING
1" = 1'-0"

TYPICAL NAIL SCHEDULE

SIZE (PENNY)	TYPE	DIAMETER (INCHES)	MIN PENETRATION (INCHES)
8d	COMMON	.131	1 1/2
10d	COMMON	.148	1 5/8
16d	SINKER	.148	1 5/8
16d	BOX	.135	1 1/2
20d	BOX	.148	1 5/8

NAIL SIZES SPECIFIED IN THESE CONSTRUCTION DOCUMENTS SHALL BE PER THE REQUIREMENTS NOTED ABOVE, EXCEPT AS NOTED OTHERWISE PENETRATION IS MEASURED INTO THE PIECE RECEIVING THE NAIL POINT. 1 1/2 INCHES OF PENETRATION FOR 10d AND 16d NAILS IS ACCEPTABLE FOR TOP PLATES AND DOUBLED 2x MEMBERS WHERE THE NAIL PENETRATION WILL BE LESS THAN SPECIFIED, INCREASE NAIL LENGTH TO OBTAIN THE PENETRATION REQUIRED FOR THE NAIL SPECIFIED. WHERE WOOD TENDS TO SPLIT, REPLACE MEMBERS AND PREDRILL HOLES.

USE HOT DIPPED GALVANIZED NAILS AT EXPOSED CONDITIONS AND AT PRESSURE-PRESERVATIVE TREATED AND FIRE-RETARDANT TREATED WOOD.

*AT SILL PLATES USE 16d BOX NAILS BY 3 1/2". DO NOT USE 16d SINKERS x3 1/4"

1 TYPICAL NAIL SCHEDULE
NTS

REVISION
SEP 06 2016
San Mateo County Building Inspection

APPROVED PLAN
SEP 30 2016
BY SAN MATEO COUNTY BUILDING INSPECTION DIVISION

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COUNTY OF SAN MATEO FOUNDED 1856

REGISTERED PROFESSIONAL ENGINEER ROBERT A. SMITH EXP. 3/31/2017 STRUCTURAL STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3505-003-01

TYPICAL WOOD STUD WALL FRAMING DETAILS

DATE: FEBRUARY 5, 2016

CONSTRUCTION DOCUMENTS

S800

CONSTRUCTION DOCUMENTS BID SET

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