



North Fair Oaks Community Council
San Mateo County Coordinated
Departmental Response



DATE: May 20, 2026
NFOCC MEETING DATE: May 28, 2026
SPECIAL NOTICE/HEARING: 10 Days, within 300 feet
VOTE REQUIRED: Majority

TO: Members, North Fair Oaks Community Council

FROM: Planning Staff

SUBJECT: Consideration of an Off-Street Parking Exception, pursuant to Section 8.344.040 of the San Mateo County Zoning Regulations, to allow for the continued use of one covered parking space where two covered parking spaces are required, in association with a proposed addition to an existing single-family residence, which includes the creation of one bedroom.

County File Number: PLN2026-00096 (Schaefer)

PROPOSAL

The applicant, David Schaefer, is requesting an Off-Street Parking Exception to allow the continued use of a one-car attached garage where two covered parking spaces are required outside of the required front yard setback. This exception is associated with a proposed 500-square-foot addition to the rear of an existing single-family residence which includes the creation of one new bedroom for a total bedroom count of three bedrooms. The project will include partial roof replacement, interior remodeling, and widening the existing driveway. No trees are being proposed for removal. The project is associated with BLD2025-03690.

RECOMMENDATION

That the North Fair Oaks Community Council provide a recommendation to the Director of Planning and Building on the proposed Off-Street Parking Exception.

BACKGROUND

Report Prepared By: Robby Miller, Project Planner

Owner/Applicant: SLM LLC/David Schaefer

Location: 836 11th Avenue, Redwood City (North Fair Oaks)

APN: 055-102-190

Parcel Size: 5,495.5 sq. ft.

Existing Zoning: R-1/S-73 (One-Family Residential District/Residential Density District 73)

General Plan Designation: Residential, Medium Density Residential

Existing Land Use: Single-Family Residence

Water Supply: City of Redwood City Municipal Water Department

Sewage Disposal: Fair Oaks Sewer District

Flood Zone: Zone X (Area of Minimal Flood Hazard); FEMA Panel No. 06081C0302E, Effective October 16, 2012

Environmental Evaluation: This project is categorically exempt from the California Environmental Quality Act (CEQA), pursuant to Section 15301, Class 1, as the project involves minor alterations to an existing structure, involving negligible or no expansion of existing or former use.

Setting: The project site is developed with a 1,100 sq. ft. single-family residence and a 240 sq. ft. attached garage. The property is an interior lot fronting 11th Avenue and has trees along the right property line in the backyard. The surrounding parcels are developed and are comprised largely of single-family residences also with one-car covered parking garages.

Chronology:

<u>Date</u>	<u>Action</u>
December 31, 2025	- Building Permit BLD2025-03690, submitted for the proposed addition/remodel to the existing residence
March 9, 2026	- Off-Street Parking Exception application submitted.
April 21, 2026	- Project Deemed Complete.
May 28, 2026	- North Fair Oaks Council Meeting.

DISCUSSION

A. KEY ISSUES

1. Compliance with the General Plan/North Fair Oaks Community Plan

Urban Land Use Policies

Policy 8.9 (*Designation of Existing Urban Communities*) of the General Plan identifies North Fair Oaks as an urban community, and the North Fair Oaks Community Plan has designated the land use density as Single-Family Residential. Policy 8.36 (*Uses*) seeks to allow uses in zoning districts that are consistent with the overall land use designation and to adopt the land use designations of the North Fair Oaks Community Plan.

The subject parcel is zoned R-1/S-73 (One-Family Residential / 5,000 sq. ft. minimum parcel size). The subject property is developed with a single-family residential development which is allowed in this zoning district. The proposed project would continue the single-family residential use of the parcel and does not introduce any new or incompatible uses.

Policy 8.40 (*Parking Regulations*) seeks to establish minimum on-site parking requirements and parking development standards to accommodate the parking needs of development, provide convenient and safe access, and prevent congestion of public streets.

Chapter 8.344 of the Zoning Regulations establishes the minimum parking requirements for development. The regulations require two-covered on-site parking spaces for each dwelling unit having three or more bedrooms. While this project seeks an exception to this provision, the Zoning Regulations provide an exception process for cases where compliance would result in practical difficulties and/or an unusual hardship.

Chapter 3: Circulation and Parking

Chapter 3 of the North Fair Oaks Community Plan provides in part, an overview of current and future parking needs and recommended parking management strategies for North Fair Oaks. Policy 5E seeks to modify parking policies to allow affordable housing development projects, minor expansions of single-family homes, transit-supportive development projects, and other uses where reduced parking demand can be demonstrated to qualify for further reduced parking requirements or exemptions per approval from the San Mateo County Current Planning Division.

The project proposes a minor addition and remodel to the existing residence with no modifications to the attached one car covered garage. The minor addition is located in the rear of the residence. The area in which the garage is located is not sufficient to enlarge the garage without doing a major remodel to the front of the house. The Off-Street Parking Exception is intended to remedy the non-conforming situation as compliance with the current parking requirement (two-covered parking spaces) would not be practical given existing site conditions and proposed scope of work.

2. Compliance with the Zoning Regulations

a. S-73 Development Standards

The proposed project involves the minor addition and remodel to the existing residence, resulting in a new primary bedroom with bathroom, laundry room, half bath, and new kitchen. The remodel will consist largely of relocating the kitchen and reconfiguring the roof. The project will include the addition of 500 new square feet, which will alter the rear setback, and lot coverage of the existing structure. There is no change in height to the existing residence. The rear setback, lot coverage, and height will remain in compliance with zoning standards. As mentioned previously, the off-street parking exception is required because the project proposes to create a new bedroom, and the current residence only has a one-car attached garage where two covered spaces are required. However, given the limited project scope and layout of the existing residence, the creation of an additional covered space would be impractical.

b. Parking Requirements

The proposed project includes the request to allow for continued use of a one-car attached garage, where two covered parking spaces are required. The project, as proposed, includes widening the driveway to create two uncovered, off-street parking spaces in the front yard area.

Section 8.344.030 of the County's Zoning Regulations defines the number of parking spaces required for development. As mentioned previously, the regulations require that, for each dwelling unit having two or more bedrooms, two off-street covered spaces are provided. The project proposes adding a third bedroom to the existing residence which triggers compliance with the parking requirements currently in effect. The existing residence has an attached 240-square foot one-car garage that was constructed as part of the original residence. The applicants propose to continue the use of the driveway on site to accommodate parking of at least two additional off-street parking spaces, albeit uncovered.

3. Compliance with Off-Street Parking Exception Findings

The granting of an Off-Street Parking Exception is subject to the following findings:

- a. **That the establishment, maintenance and/or conducting of the off-street parking facilities as proposed are as nearly in compliance with the requirements set forth in Section 8.344.030 of the Zoning Regulations as are reasonably possible.**

The project proposes to allow the continued use of an existing one-car attached garage, where two covered spaces are required for the proposed scope of work. Given the location of the existing structures on the property and in relation to the property lines, there is insufficient space to enlarge the garage to a conforming size/configuration. However, the proposed widening of the driveway provides one additional off-street space albeit uncovered and within the front yard area brings the project into substantial conformance with the Zoning Regulations.

- b. **That the establishment, maintenance and/or conducting of the use will not, under the circumstances of the particular case, be detrimental to the public welfare or injurious to property or improvements in said neighborhood.**

The project parcel is zoned and developed for single-family residential development. The proposed project is limited to the project parcel and does not propose a new use. The resulting development remains consistent with the Zoning Regulations and North Fair Oaks Community Plan. The project was reviewed in consultation with the Department of Public Works and received conditional approval. All neighbors within 300 feet of the subject property have been notified of the project. The notice was mailed out May 11, 2026. At the time of this report, no comments were received in support of or against this project. Therefore, the project involves no aspects that are detrimental to public welfare or injurious to property or improvement in said neighborhood.

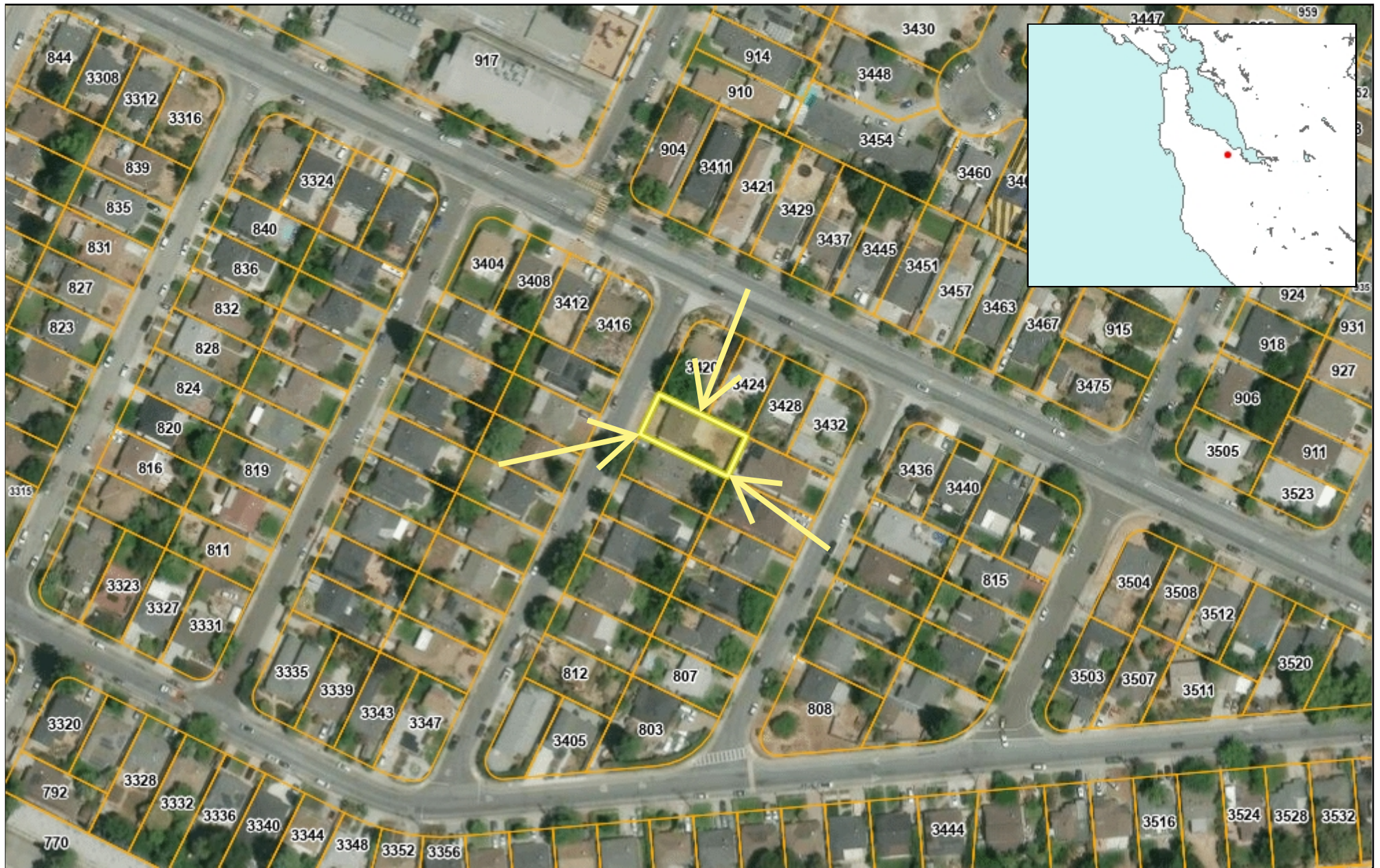
ATTACHMENTS

- A. Location Map
B. Plans




COUNTY OF SAN MATEO - PLANNING AND BUILDING DEPARTMENT

ATTACHMENT A



0.07 0 0.04 0.07 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere
© Latitude Geographics Group Ltd.

1:2,257 

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION



COUNTY OF SAN MATEO - PLANNING AND BUILDING DEPARTMENT

ATTACHMENT B

836 11th Avenue REDWOOD CITY, CA 94063

GENERAL NOTES:

1. SMOKE AND CO2 DETECTORS USED THROUGHOUT.
2. DRAWINGS ARE NOT TO BE SCALED. BUILDING/STRUCTURAL DIMENSIONS SHOWN ARE FOR GENERAL REFERENCE ONLY U.O.N.
3. STANDARD DETAILS AND NOTES ARE TYPICAL AND SHALL APPLY UNLESS OTHERWISE NOTED OR SHOWN. DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE SAME NATURE AS SHOWN FOR SIMILAR CONDITIONS.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO CONSTRUCTION AND COMMUNICATE ANY VARIATION OR DISCREPANCIES TO THE DESIGN TEAM.

ELECTRICAL NOTES

1. LIGHTING IS ILLUSTRATED FOR QUANTITY AND LOCATION. SPECIFIC MANUFACTURER AND MODEL TO BE DETERMINED BY OWNER.
2. ALL LIGHTING FIXTURES MUST BE HIGH EFFICIENCY, ALL INTERIOR LIGHTING CONTROLS MUST BE DIMMABLE.
3. ALL KITCHEN AND BATHROOM OUTLETS TO BE GFCI.
4. ELECTRICAL AND TELEPHONE OUTLETS TO BE LOCATED 18" ABOVE FINISH FLOOR UNLESS NOTED OTHERWISE.
5. SWITCHES AND THERMOSTATS TO BE LOCATED 44" ABOVE FINISHED FLOOR UNLESS OTHERWISE STATED.
6. SMOKE DETECTORS TO BE HARDWIRED WITH BATTERY BACKUP TO COMPLY WITH UBC REQUIREMENTS.
7. LIGHT FIXTURES OCCURRING OVER BATHTUB OR SHOWER ENCLOSURES SHALL BE LABELED "SUITABLE FOR DAMP AREAS".
8. ALL BATHROOMS, KITCHENS, DINING ROOM, BEDROOMS, HALLWAY, LIVING ROOM, STORAGE CLOSET AND MASTER CLOSET SHALL BE POWERED BY A SEPARATE 20AMP BRANCH CIRCUIT IN ACCORDANCE WITH CEC 210.11(C)
9. ALL BRANCH CIRCUITS WILL BE PROTECTED BY AN ARC-FAULT- CIRCUIT INTERRUPTER IDENTIFIED IN THE CEC 210.21
10. TAMPER RESISTANT RECEPTACLES WILL BE PROVIDED IN ACCORDANCE WITH CEC 406.12
11. ALL LIGHTING FIXTURES IN SHOWER COMPARTMENTS WILL COMPLY WITH CEC 410.10
12. SMOKE DETECTORS 10FT FROM STOVE PER CBC 907.2.11.8 AND NFPA 29.11.3.4.4

PLUMBING NOTES

1. CONTROL VALVES AND SHOWER HEADS SHALL BE LOCATED ON THE SIDEWALL OF THE SHOWER COMPARTMENT OR OTHERWISE ARRANGED SO THE SHOWERHEAD DOES NOT DISCHARGE DIRECTLY AT THE ENTRANCE TO THE COMPARTMENT. SO THE BATHER CAN ADJUST THE VALVES BEFORE STEPPING INTO THE SHOWER SPRAY. PER CPC 408.9
2. WATER CLOSETS/TOILETS 1.28 GALLONS PER FLUSH, BATHROOM SINKS/LAVATORY FAUCETS 1.2GPM, KITCHEN SINK/FAUCET 1.8GPM, SHOWERHEAD(S) 1.8GPM. TO APPLICABLE LOW FLOW RATES



PROEJCT TEAM

COWNER ONTACT:
 DAVID SCHAFFER, SLM LLC
 650-296-6767
 david@slmlc.com

CONSTRUCTION CONTACT:
 RHINO'S CONSTRUCTION
 RIAN CAROLL
 650-787-7160
 rian@ghinosgeneralconstruction.com

ENGINEERING CONTACT:
 ROCA3 ENGINEERING
 JOEY ROCA III
 408.821.1335
 joey@roca3.com

PROJECT DATA:

ADDRESS: 836 11TH REDWOOD CITY 94063

JURISDICTION: COUNTY OF SAN MATEO (UNINCORPORATED REDWOOD CITY)

APN:055-102-190
 ZONING RA-1
 CONSTRUCTION TYPE: VB
 FIRE SPRINKLERS: NO EXISTING FIRE SPRINKLERS
 ADDITION <50%

BUILDING COVERAGE: 1600SF
 LOT SIZE 5,900SSF
 NEW DECK 310 SF

EXISTING CONDITIONED : 1100 SQ FT
 EXISTING UNCONDITIONED: 240 SQ FT

PROPOSED ADDITION SIZE: 500 SQ FT
 TOTAL CONDITIONED: 1600 SQ FT
 PROPOSED UNCONDITIONED: 0 SQ FT
 TOTAL UNCONDITIONED: 240 SQ FT GARAGE

SHEET INDEX

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A5	EXISTING ROOF PLAN
A6	PROPOSED ROOF PLAN
A7	MECHANICAL ELECTRICAL PLAN
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SOCF	STORMWATER OWNER CONSENT FORM
BMP	BEST MANAGEMENT PRACTICES

SCOPE OF WORK:

ADDITION AT REAR (STRUCTURAL)
 NEW PRIMARY SUITE:
 BEDROOM
 PRIMARY BATHROOM
 LAUNDRY ROOM
 POWDER ROOM

REMODEL EXISTING HALLWAY BATH
 REPLACE AND DOUBLE DRIVEWAY
 NEW DECK AT REAR
 LANDSCAPING THROUGHOUT

APPLICABLE CODES

ALL CONSTRUCTION SHALL COMPLY WITH COUNTY OF SAN MATEO ORDINANCES INCLUDING THE FOLLOWING:

- 2022 CALIFORNIA BUILDING CODE (CBC)
- 2022 CALIFORNIA RESIDENTIAL CODE (CRC)
- 2022 CALIFORNIA MECHANICAL CODE (CMC)
- 2022 CALIFORNIA PLUMBING CODE (CPC)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC)
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN)
- 2022 CALIFORNIA FIRE CODE (CFC)
- CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS

SITE LOCATION

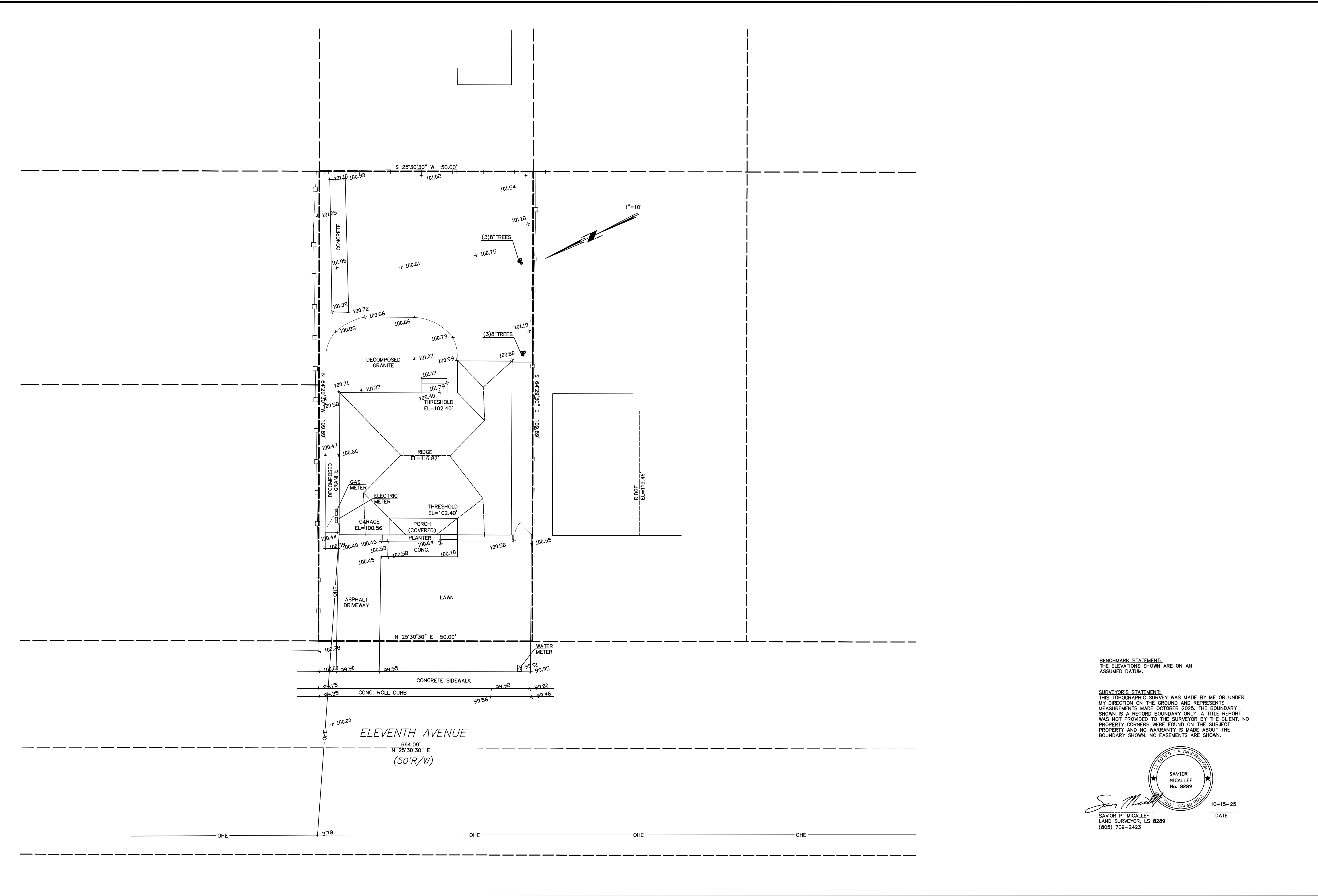


CONTACT:
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 650-296-6767
 david@slmlc.com

836 11TH AVENUE, REDWOOD CITY, CA 94063

INITIAL SUB
12/10/2025
RESUB1
3/6/2026

PREPARED BY
 ROCKWELL CHAN
 RPC STUDIO RWC
 ROCKC1216@GMAIL.COM



BENCHMARK STATEMENT:
 THE ELEVATIONS SHOWN ARE ON AN ASSUMED DATUM.

SURVEYOR'S STATEMENT:
 THIS TOPOGRAPHIC SURVEY WAS MADE BY ME OR UNDER MY DIRECTION ON THE GROUND AND REPRESENTS MEASUREMENTS MADE OCTOBER 2025. THE BOUNDARY SHOWN IS A RECORD BOUNDARY ONLY. A TITLE REPORT WAS NOT PROVIDED TO THE SURVEYOR BY THE CLIENT. NO PROPERTY CORNERS WERE FOUND ON THE SUBJECT PROPERTY AND NO WARRANTY IS MADE ABOUT THE BOUNDARY SHOWN. NO EASEMENTS ARE SHOWN.

SAVOR P. MICALLEF
 LAND SURVEYOR, LS 8289
 (805) 709-2423

10-15-25
 DATE

SAVIOR P. MICALLEF LAND SURVEYING 421 WILDWOOD DRIVE SOUTH SAN FRANCISCO, CA 94080 805/709-2423	
TOPOGRAPHIC SURVEY OF PORTION OF 836 ELEVENTH AVENUE CITY OF REDWOOD CITY SAN MATEO COUNTY CALIFORNIA	
Revisions	No.
Date: 10-15-25	Scale: 1"=10'
Design	SPM
Drawn	SPM
Approved	SPM
Job No.	
Drawing Number:	1 OF 1

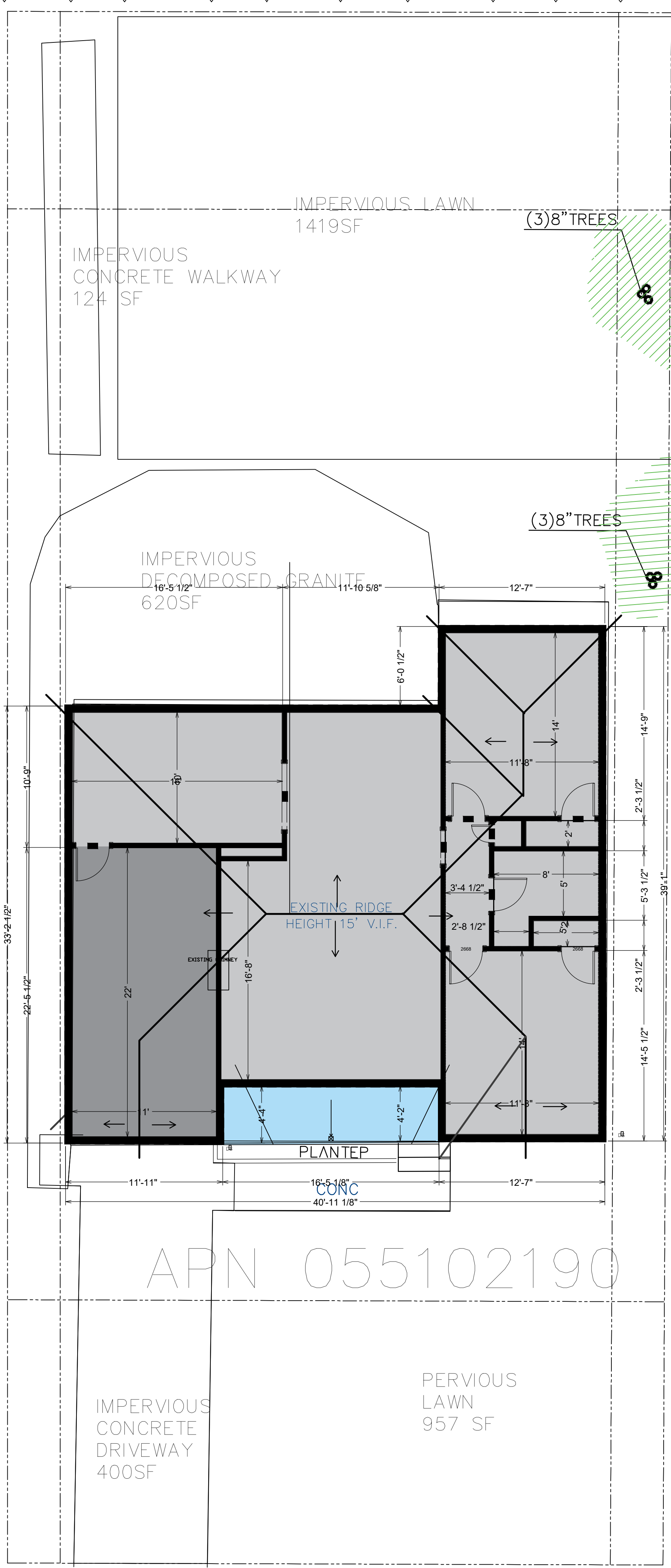
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A1

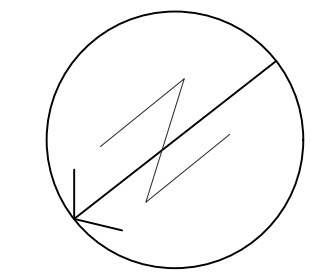
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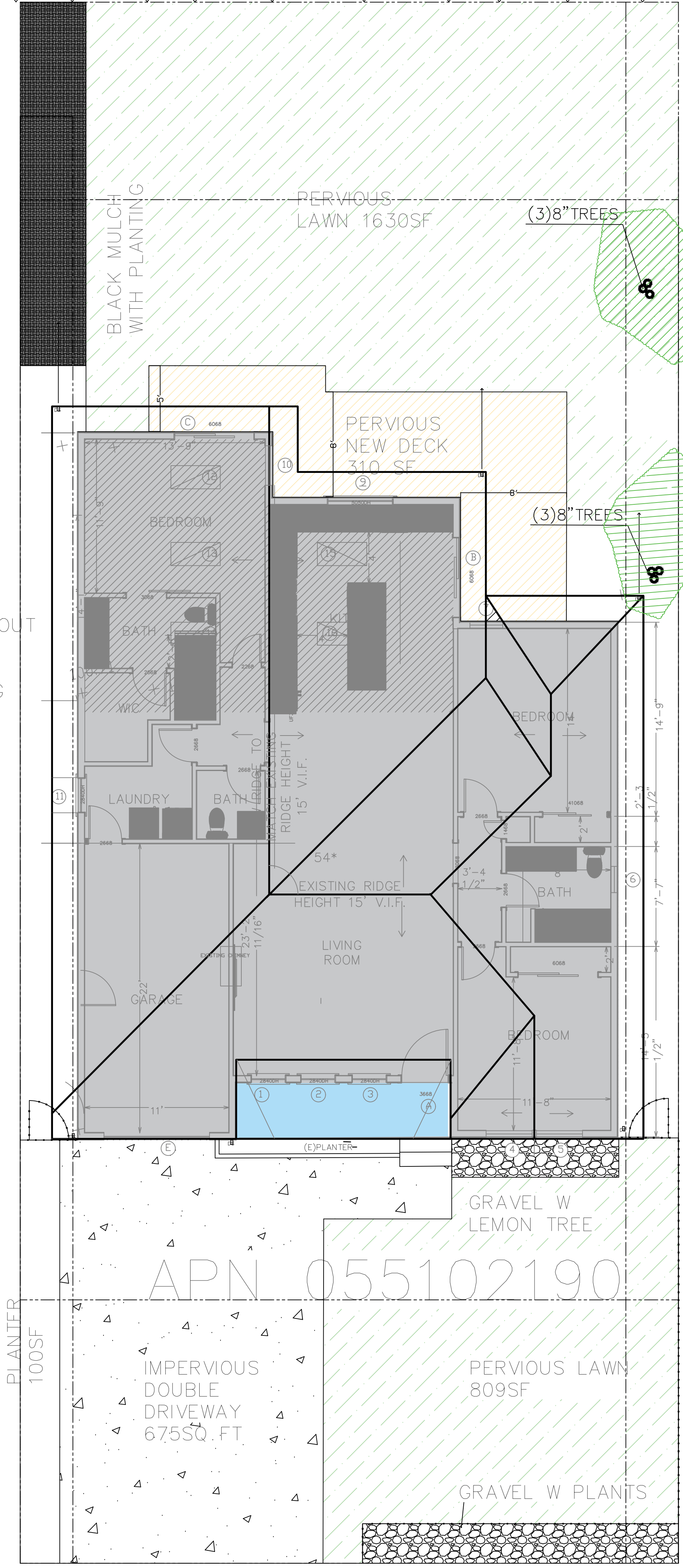


DOWNSPOUTS INDICATED AS DS

ALL DOWNSPOUT RUNOFF DIRECTED TO LANDSCAPING



EXISTING SITE PLAN



PROPOSED SITE PLAN

APN 055102190

APN 055102190

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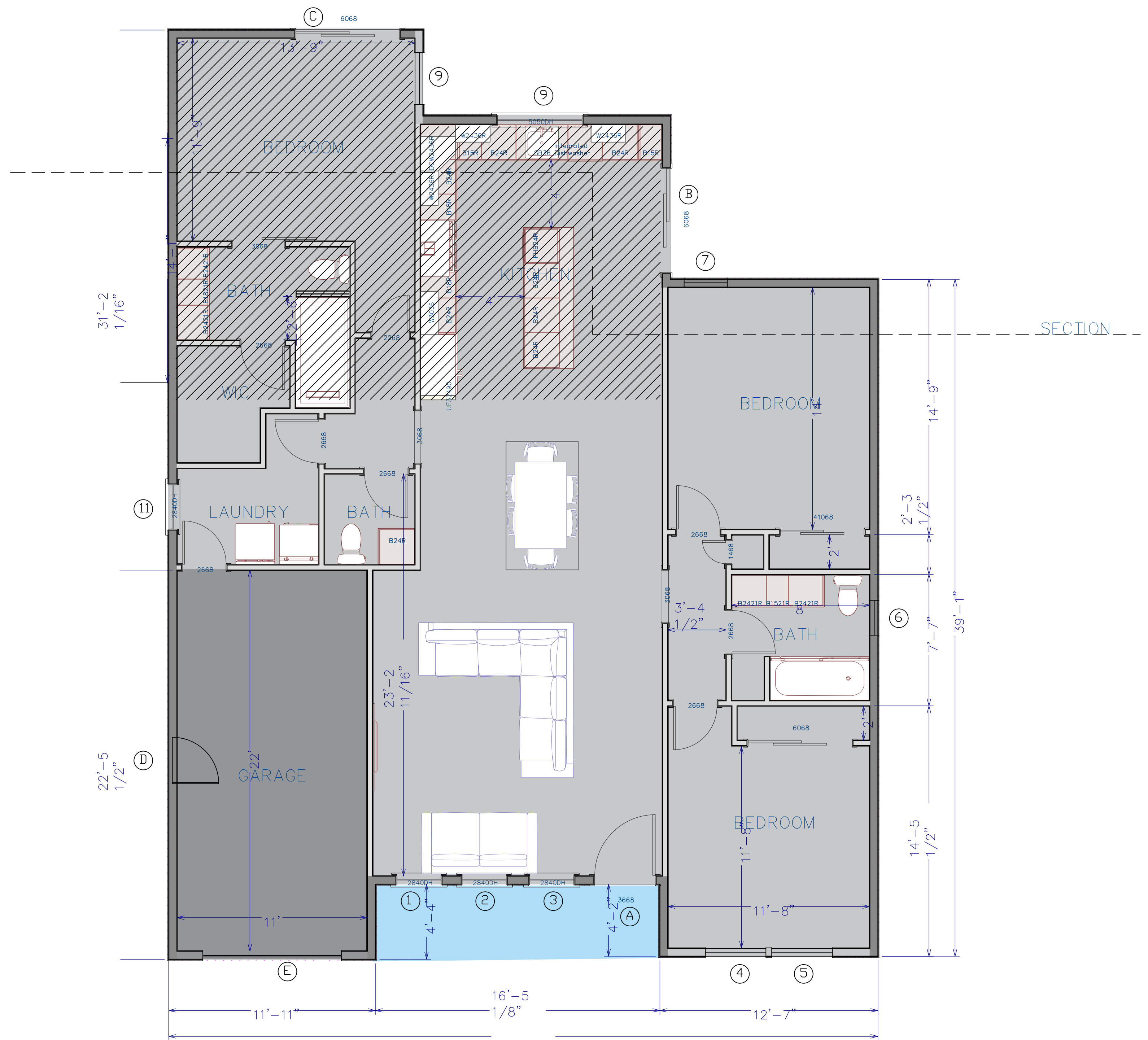
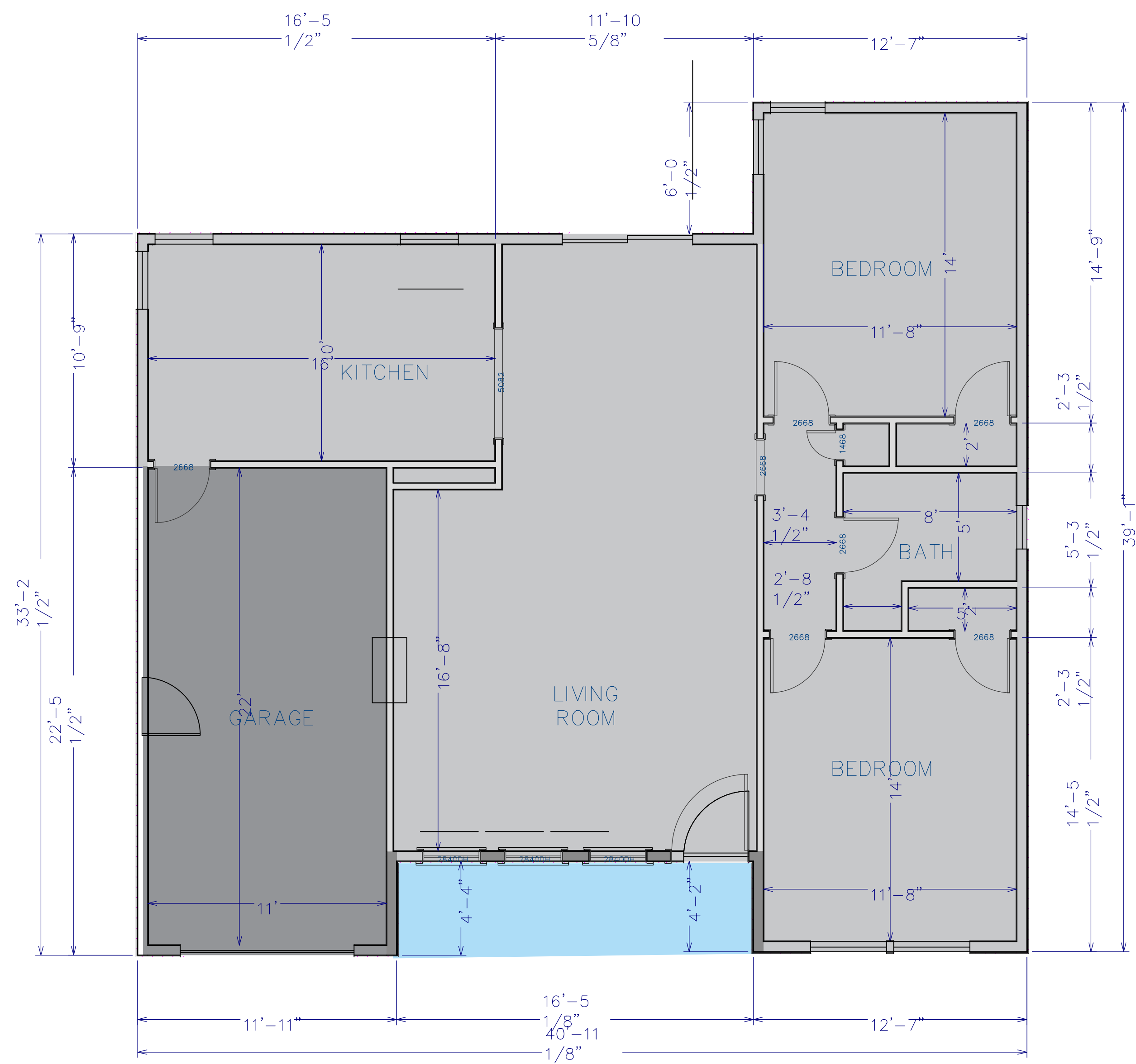
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SITE PLAN

A1.1

No net increase in stormwater runoff (relative to undeveloped conditions) may drain onto adjacent properties. The existing storm drainage from the adjacent properties shall not be blocked by the new development. The owner shall adequately maintain the property's stormwater management facilities.

ADDITION



EXISTING FLOOR PLAN

PROPOSED FLOOR PLAN

FLOOR PLANS
SCALE 1/4"=1'

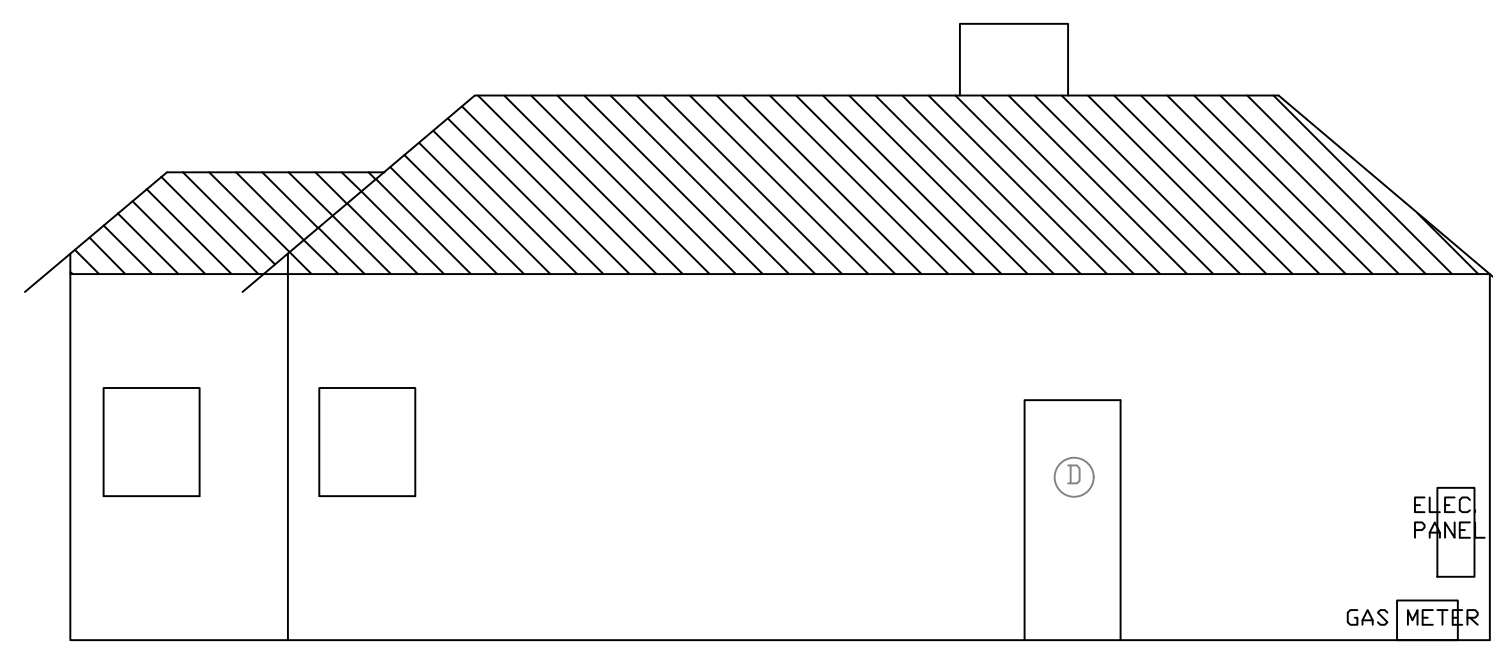
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A2

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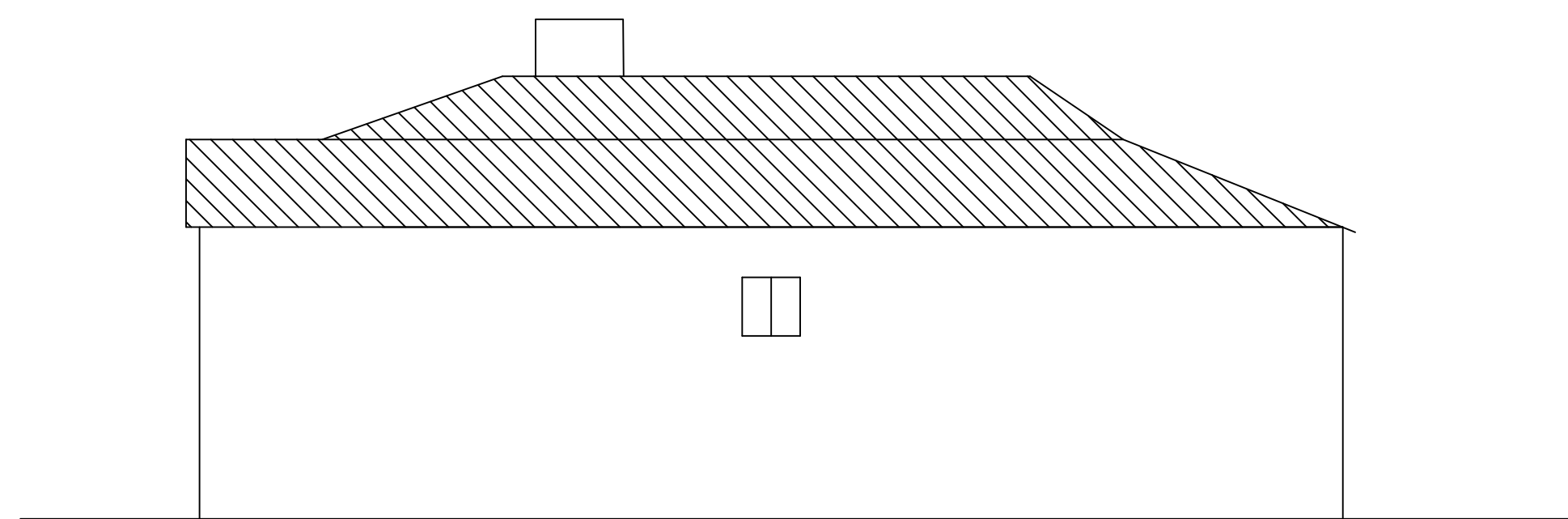
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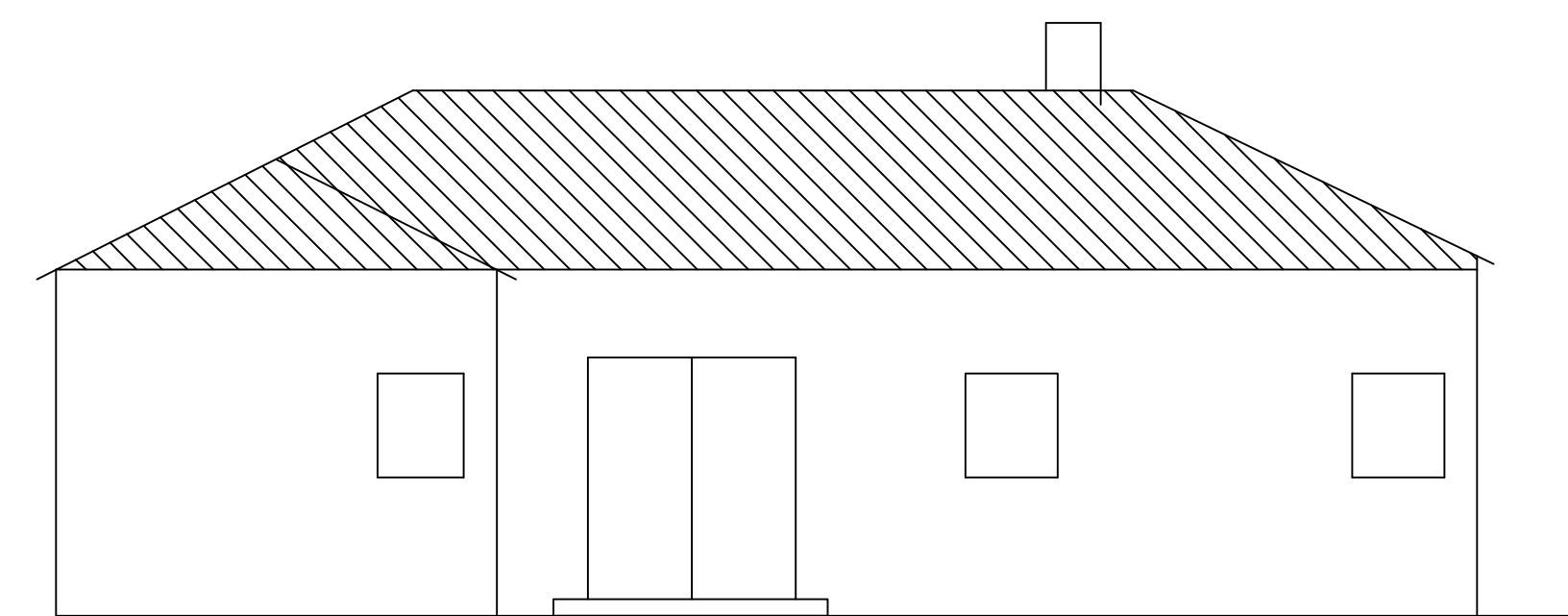
LEFT SIDE ELEVATION



FRONT ELEVATION



RIGHT SIDE ELEVATION



REAR ELEVATION

EXISTING ELEVATIONS
SCALE $\frac{3}{16}$ "=1'

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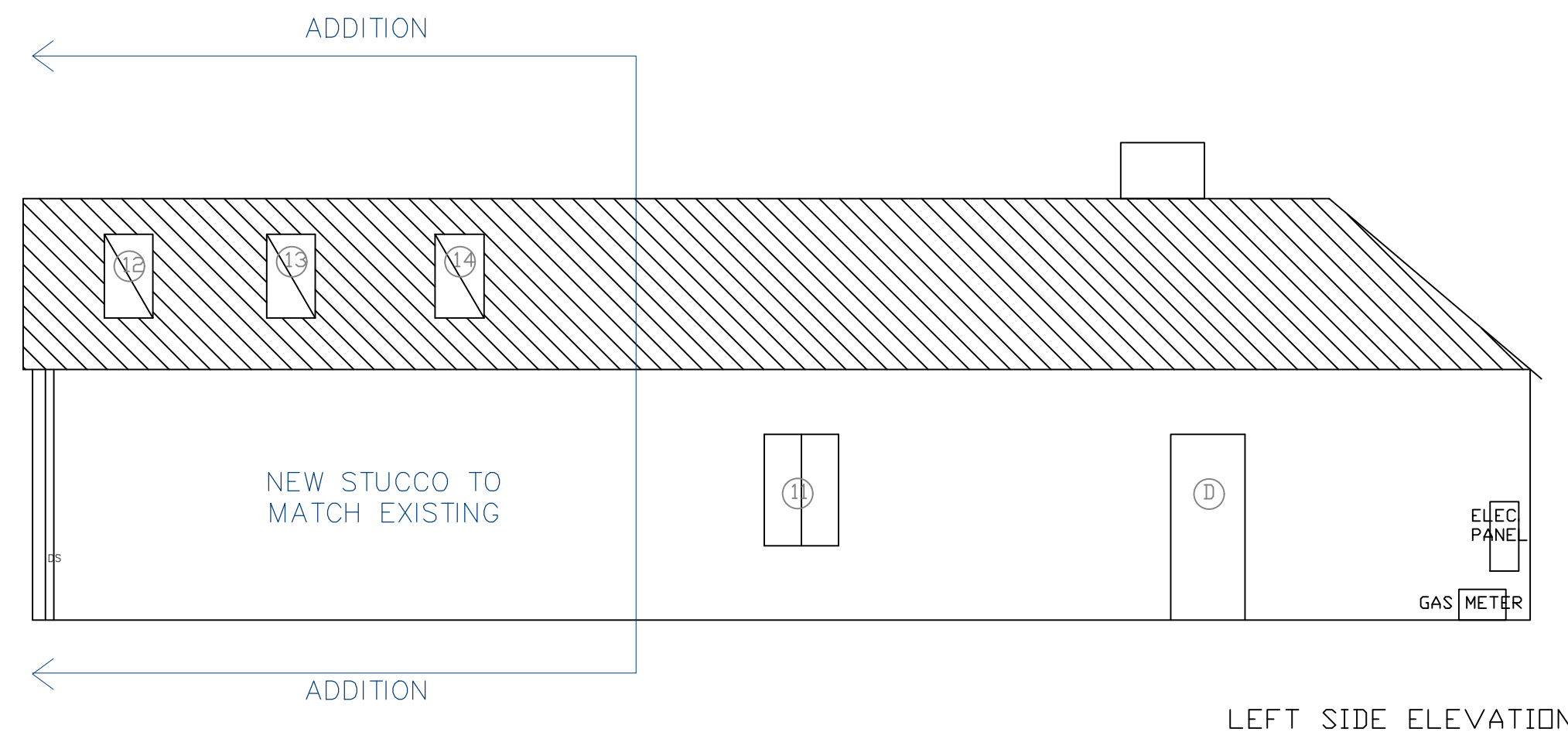
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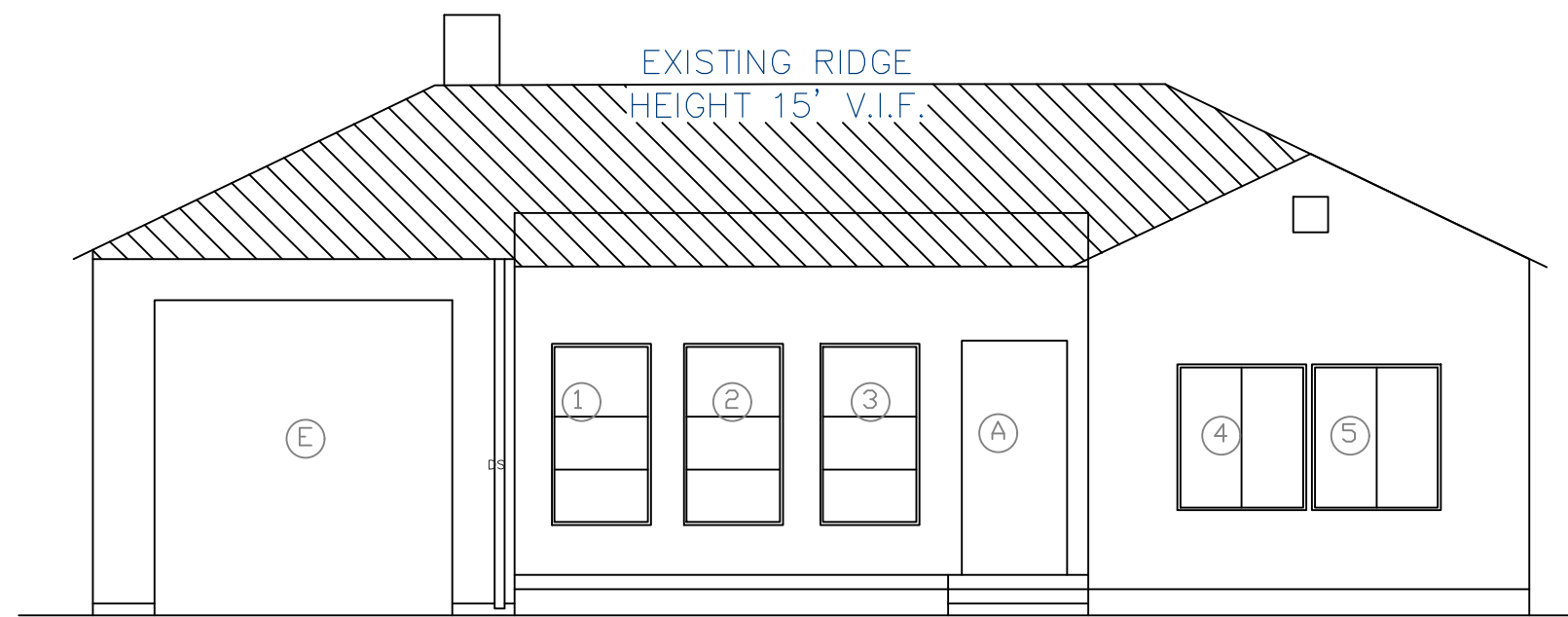
A4

R308.4 HAZARDOUS LOCATIONS
GLAZING IN THE FOLLOWING LOCATIONS SHALL BE SAFETY GLAZING CONFORMING TO THE HUMAN IMPACT LOADS OF SECTION R308.3 (SEE EXCEPTIONS):

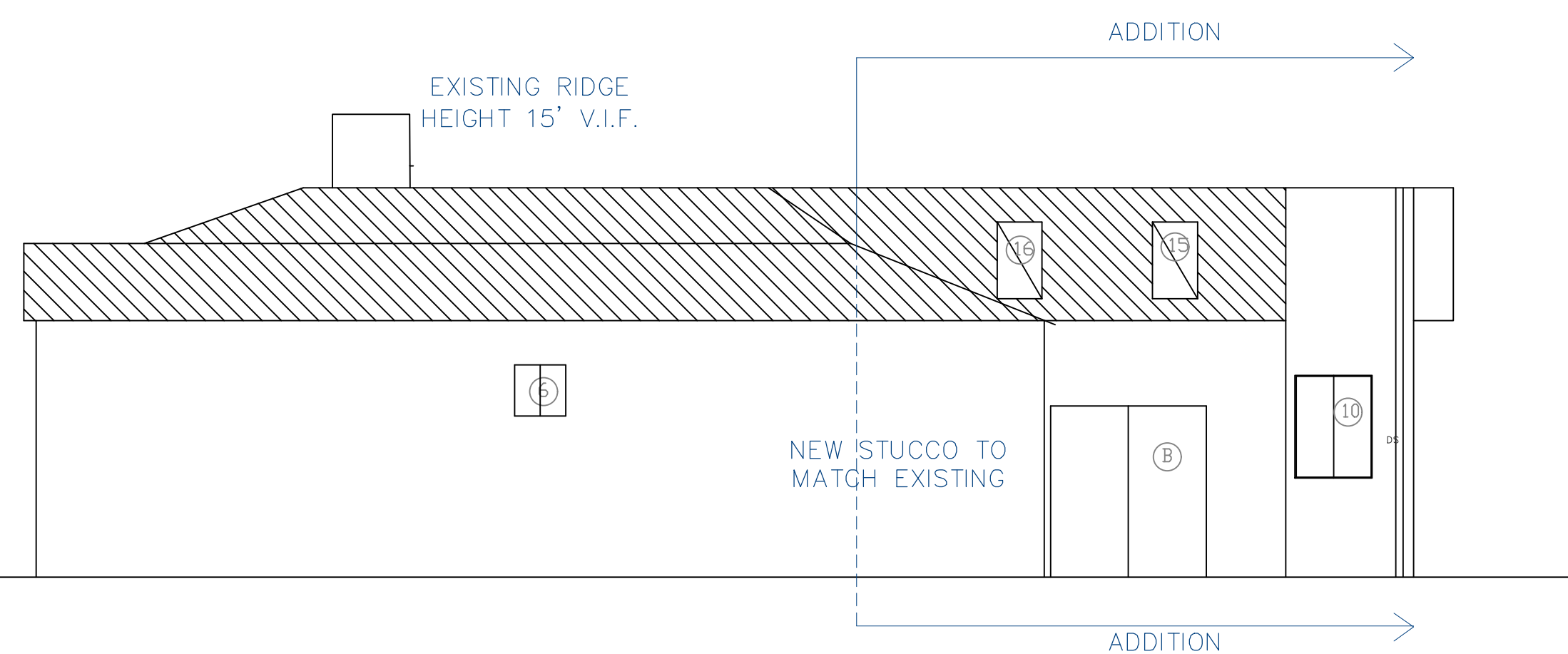
- a. DOOR ASSEMBLIES: FIXED AND OPERABLE PANELS OF SWINGING, SLIDING, AND BI-FOLD DOOR ASSEMBLIES.
- b. GLAZING ADJACENT TO DOORS: GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24-INCH ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR OR WALKING SURFACE.
- c. LARGE INDIVIDUAL PANELS: GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL THAT MEETS ALL OF THE FOLLOWING CONDITIONS:
 - i. EXPOSED AREA OF AN INDIVIDUAL PANE IS GREATER THAN 9 SQUARE FEET.
 - ii. BOTTOM EDGE IS LESS THAN 18 INCHES ABOVE THE FLOOR.
 - iii. TOP EDGE IS GREATER THAN 36 INCHES ABOVE THE FLOOR.
 - iv. ONE OR MORE WALKING SURFACES ARE WITHIN 36 INCHES HORIZONTALLY OF THE GLAZING.
- d. RAILINGS: GLAZING IN GUARDS AND RAILINGS.
- e. WET AREAS: GLAZING IN ENCLOSURES FOR DR WALLS FACING HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, AND SHOWERS WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60 INCHES MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE.
- f. POOLS AND SPAS: GLAZING IN WALLS AND FENCES ADJACENT TO INDOOR AND OUTDOOR SWIMMING POOLS, HOT TUBS, AND SPAS WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE A WALKING SURFACE AND WITHIN 60 INCHES, MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE WATER'S EDGE.
- g. STAIRS AND RAMPS: GLAZING WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 36 INCHES ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE OF STAIRWAYS, LANDINGS BETWEEN FLIGHTS OF STAIRS, AND RAMPS.
- h. BOTTOM OF STAIRWAYS: GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF A STAIRWAY WHERE THE GLAZING IS LESS THAN 36 INCHES ABOVE THE LANDING AND WITHIN A 60-INCH HORIZONTAL ARC LESS THAN 180 DEGREES FROM THE BOTTOM TREAD NOSING.



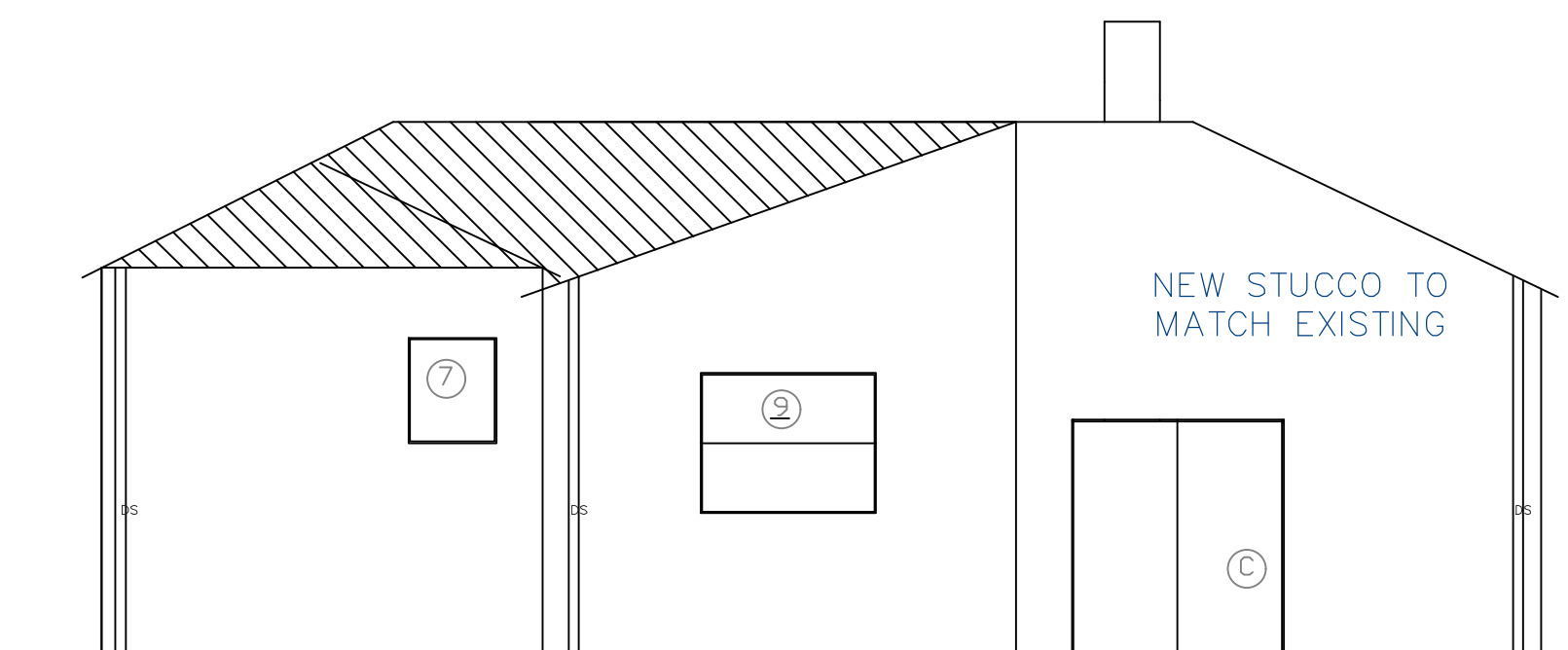
LEFT SIDE ELEVATION



FRONT ELEVATION



RIGHT SIDE ELEVATION



REAR ELEVATION

WINDOW, DOOR SCHEDULE

1. 2840 AT FRONT (E)
2. 2840 AT FRONT (E)
3. 2840 AT FRONT (E)
4. 4040 FRONT BEDROOM (E)
5. 4040 FRONT BEDROOM (E)
6. 2020 HALLWAY BATH (E)
7. 3232 REAR BEDROOM (E)
- 8.
9. NEW 5050DH KITCHEN
10. NEW 3240SH PRIMARY BEDROOM
11. NEW 2840DH LAUNDRY
12. NEW 22X45 SKYLIGHT
13. NEW 22X45 SKYLIGHT
14. NEW 22X45 SKYLIGHT
15. NEW 22X45 SKYLIGHT
16. NEW 22X45 SKYLIGHT

- A. FRONT DOOR (E)
- B. NEW 6068 SLIDING DOOR AT KITCHEN
- C. NEW 6068 SLIDING DOOR AT PRIMARY BEDROOM
- D. 32 DOOR AT SIDE OF GARAGE (E)
- E. GARAGE DOOR (E)

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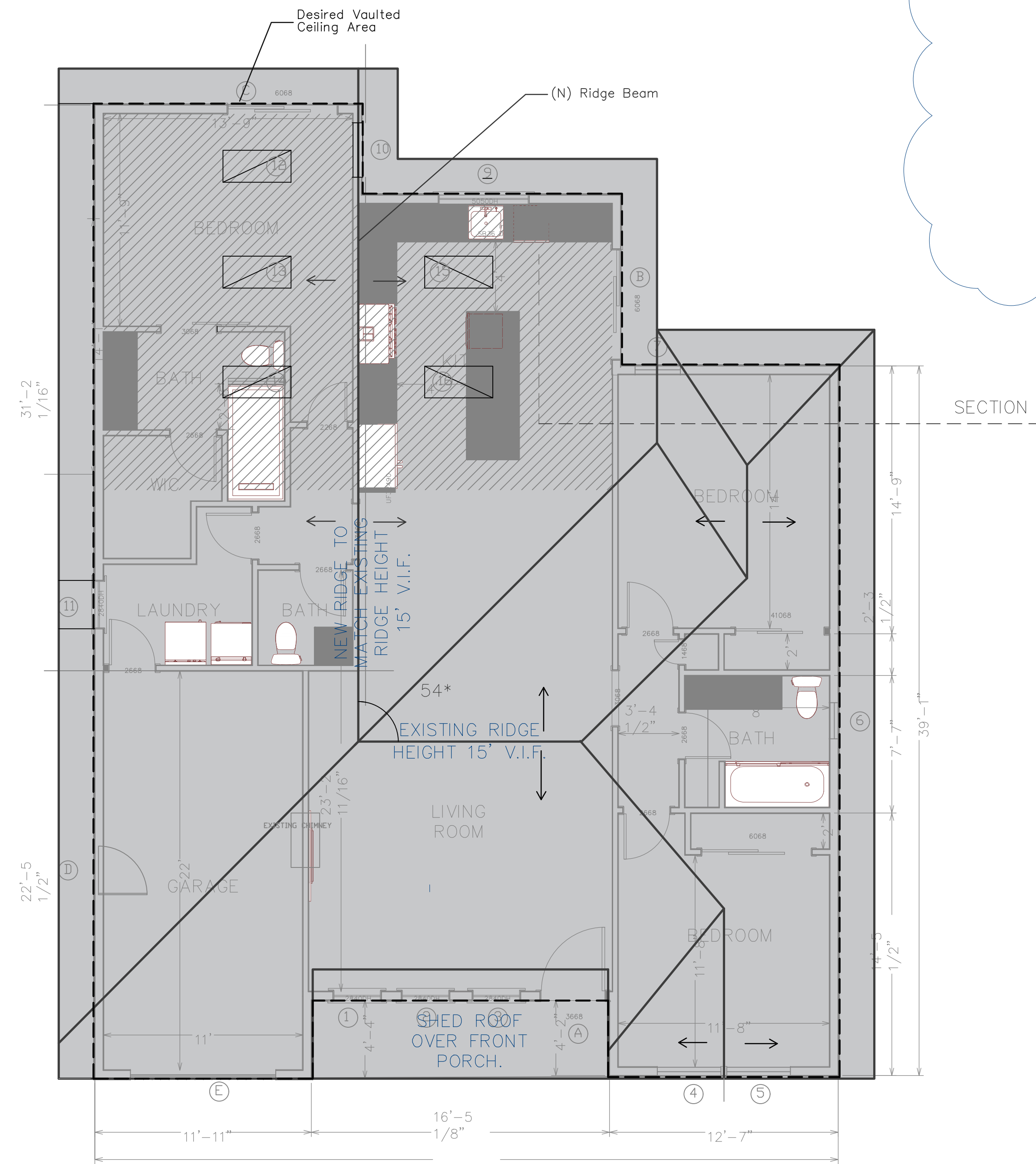
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ELEVATIONS
SCALE $\frac{3}{16}$ "=1'

A4.1



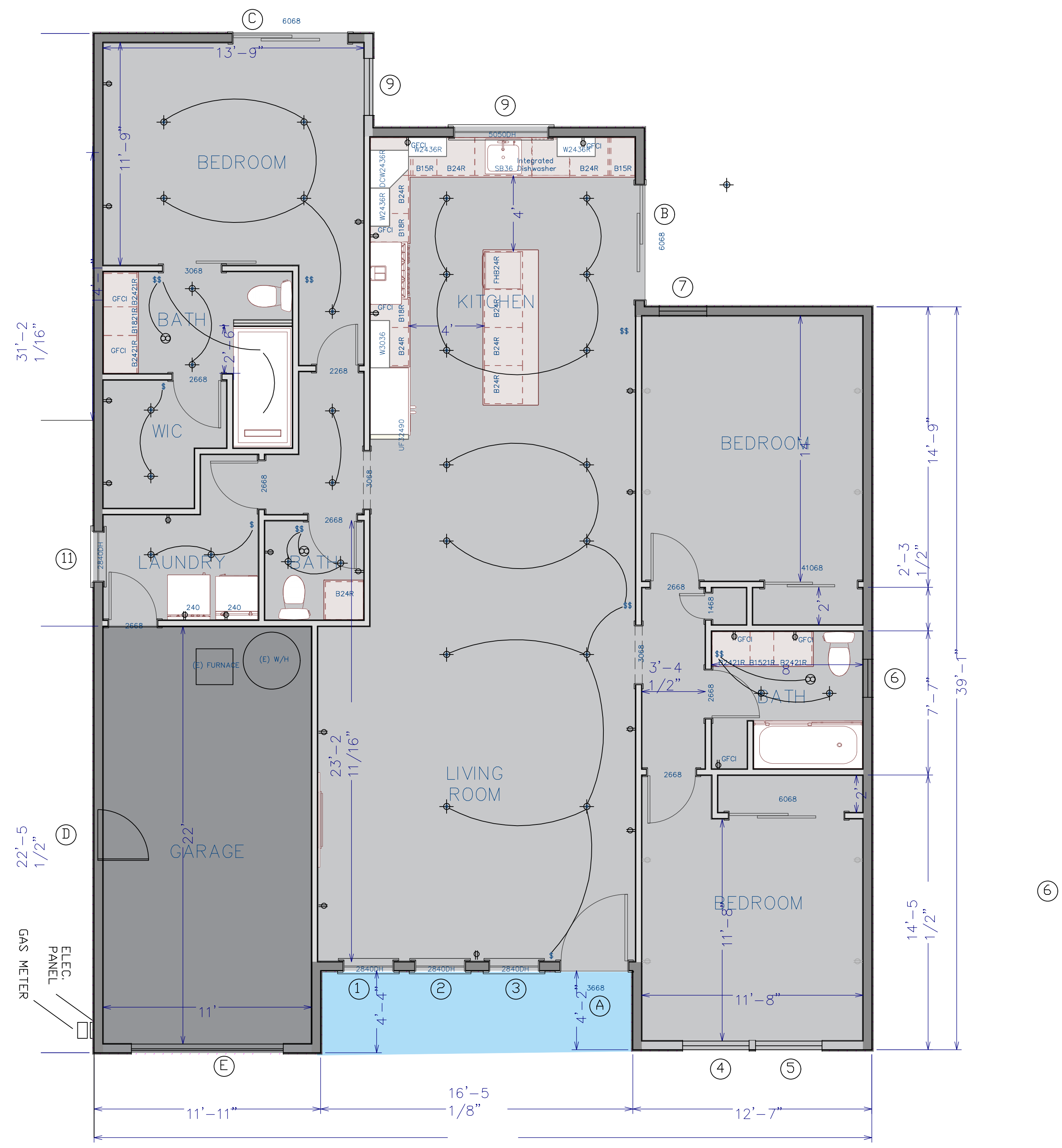
PROPOSED ROOF PLAN
SCALE 1/4"=1'

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- ELECTRICAL NOTES**
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 6. SMOKE DETECTORS TO BE HARDWIRED WITH BATTERY BACKUP TO COMPLY WITH UBC REQUIREMENTS.
 7. LIGHT FIXTURES OCCURRING OVER BATHTUB OR SHOWER ENCLOSURES SHALL BE LABELED "SUITABLE FOR DAMP AREAS".
 8. ALL BATHROOMS, KITCHENS, DINING ROOM, BEDROOMS, HALLWAY, LIVING ROOM, STORAGE CLOSET AND MASTER CLOSET SHALL BE POWERED BY A SEPARATE 20AMP BRANCH CIRCUIT IN ACCORDANCE WITH CEC 210.11(C).
 9. ALL BRANCH CIRCUITS WILL BE PROTECTED BY AN ARC-FAULT- CIRCUIT INTERRUPTER IDENTIFIED IN THE CEC 210.21.
 10. TAMPER RESISTANT RECEPTACLES WILL BE PROVIDED IN ACCORDANCE WITH CEC 406.12.
 11. ALL LIGHTING FIXTURES IN SHOWER COMPARTMENTS WILL COMPLY WITH CEC 410.10.
 12. SMOKE DETECTORS 10FT FROM STOVE PER CBC 907.2.11.8 AND NFPA 29.11.3.4.4.

- PLUMBING NOTES**
1. CONTROL VALVES AND SHOWER HEADS SHALL BE LOCATED ON THE SIDEWALL OF THE SHOWER COMPARTMENT OR OTHERWISE ARRANGED SO THE SHOWERHEAD DOES NOT DISCHARGE DIRECTLY AT THE ENTRANCE TO THE COMPARTMENT. SO THE BATHER CAN ADJUST THE VALVES BEFORE STEPPING INTO THE SHOWER SPRAY. PER CPC 408.9.
 2. WATER CLOSETS/TOILETS 1.28 GALLONS PER FLUSH, BATHROOM SINKS/LAVATORY FAUCETS 1.2GPM, KITCHEN SINK/FAUCET 1.8GPM, SHOWERHEAD(S) 1.8GPM. TO APPLICABLE LOW FLOW RATES.

MECHANICAL - ELECTRICAL PLAN
SCALE 1/4"=1'

CONTACT:
DAVID SCHAFFER, SLM LLC
650-296-6767
david@slmlc.com

836 11TH AVENUE, REDWOOD CITY, CA 94063

INITIAL SUB
12/10/2025
RESUB1
3/6/2026

PREPARED BY
ROCKWELL CHAN
RPC STUDIO RWC
ROCKC1216@GMAIL.COM

A7

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD										
Project Name: Schaefer Addition										
Calculation Date/Time: 2025-12-20T13:29:42-08:00										
Input File Name: 12549-rb422										
CF18-PF-01-E (Page 1 of 11)										
GENERAL INFORMATION										
01	Project Name	Schaefer Addition								
02	Run Title	Compliance								
03	Project Location	124 11th Avenue								
04	City	Redwood City, CA	05	Standards Version	2022					
06	Zip code	94063	07	Software Version	CECC-Rev 2023.3.2					
08	Climate Zone	1	09	Front Orientation (deg/ Cardinal)	295					
10	Building Type	Single Family	11	Number of Dwelling Units	1					
12	Project Owner	Addition and/or Alteration								
13	Addition Cond. Floor Area (sq ft)	500	14	Number of Bedrooms	1					
15	Existing Cond. Floor Area (sq ft)	1700	16	Permitted Average U-factor	0.32					
18	Total Cond. Floor Area (sq ft)	2200	19	Shading Percentage (%)	15.00%					
20	ADU Bedroom Count	n/a	21	ADU Conditioned Floor Area	n/a					
22	Fuel Type	Natural gas	23	No Dwelling Unit	No					
COMPLIANCE RESULTS										
01	Building Complies with Computer Performance									
02	This building incorporates features that require field testing and/or verification by a certified HERS rater under the supervision of a CEC-approved HERS provider.									
03	Building does not incorporate Special Features									

Registration Number: 425-PF1028131A-000-000-000000-0000
 HERS Provider: CHEERS
 Report Generated: 2025-12-20 13:29:56
 CA Building Energy Efficiency Standards - 2022 Residential Compliance

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD										
Project Name: Schaefer Addition										
Calculation Date/Time: 2025-12-20T13:29:42-08:00										
Input File Name: 12549-rb422										
CF18-PF-01-E (Page 2 of 11)										
ENERGY USE SUMMARY										
Energy Use	Standard Design Source Energy (kBtu/ft ² -yr)	Standard Design TDV Energy (kBtu/ft ² -yr)	Proposed Design Source Energy (kBtu/ft ² -yr)	Proposed Design TDV Energy (kBtu/ft ² -yr)	Margin (EER1)	Margin (EER2)				
Space Heating	0	75.04	0	71.88	0	3.69				
Space Cooling	0	13.54	0	18.89	0	-9.15				
IAQ Ventilation	0	0	0	0	0	0				
Water Heating	0	36.75	0	36.75	0	0				
Self Utilization/Recycling Credit	0	0	0	0	0	0				
Efficiency Compliance Total	0	127.33	0	129.82	0	0.51				
Photovoltaics	0	0	0	0	0	0				
Battery	0	0	0	0	0	0				
Flexibility	0	0	0	0	0	0				
Indoor Lighting	0	8.27	0	8.27	0	0				
App. & Cooking	0	25.69	0	25.69	0	0				
Plug Loads	0	36.17	0	36.17	0	0				
Outdoor Lighting	0	1.82	0	1.82	0	0				
TOTAL COMPLIANCE	0	189.23	0	189.77	0	0				

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CF18-PF-01-E (Page 3 of 11)										
ENERGY USE INTENSITY										
	Standard Design (kBtu/ft ² -yr)	Proposed Design (kBtu/ft ² -yr)	Margin (kBtu/ft ² -yr)	Margin Percentage						
Gross EA ¹	40.22	38.5	0.52	1.79						
Net EA ²	40.22	39.3	0.79	1.97						
REQUIRED SPECIAL FEATURES										
The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis.										
<ul style="list-style-type: none"> • NO SPECIAL FEATURES REQUIRED 										
HERS FEATURE SUMMARY										
The following is a summary of the features that must be field-verified by a certified HERS Rater as a condition for meeting the modeled energy performance for this computer analysis. Additional details are provided in the building tables below. Registered CP2Ns and CP3Ns are required to be completed on the HERS Registry.										
<ul style="list-style-type: none"> • Kitchen range hood • Oven leakage testing 										
BUILDING - FEATURES INFORMATION										
01	02	03	04	05	06	07				
Project Name	Conditioned Floor Area (sq ft)	Number of Dwelling Units	Number of Bedrooms	Number of Zones	Number of Ventilation Cooling Systems	Number of Water Heating Systems				
Schaefer Addition	1900	1	1	2	0	1				
ZONE INFORMATION										
01	02	03	04	05	06	07				
Zone Name	Zone Type	HVAC System Name	Zone Floor Area (sq ft)	Avg. Ceiling Height	Water Heating System 1	Status				
Existing	Conditioned	HVAC System	1100	8	DHW System	Existing/Unchanged				
Addition	Conditioned	HVAC System	500	11.5	DHW System	New				

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 CA Building Energy Efficiency Standards - 2022 Residential Compliance

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Calculation Date/Time: 2025-12-20T13:29:42-08:00										
Input File Name: 12549-rb422										
CF18-PF-01-E (Page 8 of 11)										
OPAQUE SURFACES										
01	02	03	04	05	06	07	08	09	10	11
Name	Zone	Construction	Area	Orientation	Gross Area (sq ft)	Window and Door Area (sq ft)	TiR (deg)	Wall Exceptions	Status	Verified/Existing Condition
(ea) Front Wall	Existing	R-0 Wall	205	Front	732	64	30	none	Existing	No
(ea) Left Wall	Existing	R-0 Wall	23	Left	230	33.7	30	none	Existing	No
(ea) Back Wall	Existing	R-0 Wall	115	Back	94	39	30	none	Existing	No
(ea) Right Wall	Existing	R-0 Wall	133	Right	134	65	30	none	Existing	No
(ea) Roof	Addition	R-15 Wall	25	Left	163	0	30	Extension	New	n/a
(ea) Left Wall	Addition	R-15 Wall	133	Back	94	0	30	none	New	n/a
(ea) Right Wall	Addition	R-15 Wall	205	Right	133	0	30	none	New	n/a
(ea) Ex. to Addition	Existing/Unchanged	R-15 Interior	n/a	n/a	131	0	n/a	None	New	n/a
(ea) Henson Wall to Garage	Existing/Unchanged	R-15 Interior	n/a	n/a	0	0	n/a	Existing	No	
(ea) Henson Wall to Existing	Existing/Unchanged	R-15 Interior	n/a	n/a	145	0	n/a	Existing	No	
(ea) Ceiling	Existing	R-11 Ceiling	n/a	n/a	1100	n/a	n/a	Existing	No	
(ea) Garage Ceiling	Existing	Garage Roof	n/a	n/a	270	n/a	n/a	Existing	No	
(ea) Floor Over Crawlspace	Existing	R-0 Ramped Crawlspace	n/a	n/a	1830	n/a	n/a	Existing	No	
(ea) Floor Over Crawlspace	Addition	R-15 Ramped Crawlspace	n/a	n/a	500	n/a	n/a	New	n/a	
(ea) Right Wall	Garage	R-0 Wall	205	Front	96	0	30	none	Existing	No
(ea) Left Wall	Garage	R-0 Wall	25	Left	100	0	30	none	Existing	No
(ea) Right Wall	Garage	R-0 Wall	205	Right	31	0	30	none	Existing	No

Registration Number: 425-PF1028131A-000-000-000000-0000
 HERS Provider: CHEERS
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 CA Building Energy Efficiency Standards - 2022 Residential Compliance

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Input File Name: 12549-rb422											
CF18-PF-01-E (Page 5 of 11)											
OPAQUE SURFACES - CATHEDRAL CEILING											
01	02	03	04	05	06	07	08	09	10	11	
Name	Zone	Construction	Area	Orientation	Area (sq ft)	Skylight Area (sq ft)	Roof Rise to Ceiling (ft)	Roof Reflectance	Roof Emissivity	Roof Color	Verified/Existing Condition
(ea) Left Wall	Addition	R-30 Cathedral	25	Left	275	20.7	4	0.3	0.95	No	
(ea) Right Wall	Addition	R-30 Cathedral	205	Right	310	11.8	4	0.3	0.95	No	
ATTIC											
01	02	03	04	05	06	07	08	09	10	11	
Name	Construction	Type	Roof Rise to Ceiling (ft)	Roof Reflectance	Roof Emissivity	Roof Color	Radient Barrier	Roof Color	Status	Verified/Existing Condition	
Ex. Attic	(ea) Asphalt Shingle	Uninsulated	6	0.3	1.35	Yes	No	Existing	No		
WATER HEATING / HEATING											
01	02	03	04	05	06	07	08	09	10	11	
Name	System Type	Distribution Type	Water Heater Type	Water Heater Name	Water Heater Model	Water Heater Efficiency	Water Heater Status	Water Heater Verified/Existing Condition	Water Heating System	Water Heating System	
(ea) Front Window	Window	Incl Front Wall	Front	205	1	64	1.29	Table 110.6-B	Table 110.6-B	Flag Screen	
(ea) Left Window	Window	Incl Left Wall	Left	23	1	20.7	0.4	NFRC	0.45	Flag Screen	
(ea) Back Window	Window	Incl Back Wall	Back	115	1	10	1.28	Table 110.6-A	0.8	Flag Screen	
(ea) Right Window	Window	Incl Right Wall	Right	133	1	65	0.5	NFRC	0.45	Flag Screen	
(ea) Back Wall	Window	Incl Back Wall	Back	115	1	65	0.5	NFRC	0.45	Flag Screen	
(ea) Right Wall	Window	Incl Right Wall	Right	205	1	122.1	0.3	NFRC	0.45	Flag Screen	

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CF18-PF-01-E (Page 6 of 11)										
WATER HEATING SYSTEMS										
01	02	03	04	05	06	07	08	09	10	11
Name	System Type	Distribution Type	Water Heater Type	Water Heater Name	Water Heater Model	Water Heater Efficiency	Water Heater Status	Water Heater Verified/Existing Condition	Water Heating System	Water Heating System
(ea) Front Window	Window	Incl Front Wall	Front	205	1	64	1.29	Table 110.6-B	Table 110.6-B	Flag Screen
(ea) Left Window	Window	Incl Left Wall	Left	23	1	20.7	0.4	NFRC	0.45	Flag Screen
(ea) Back Window	Window	Incl Back Wall	Back	115	1	10	1.28	Table 110.6-A	0.8	Flag Screen
(ea) Right Window	Window	Incl Right Wall	Right	133	1	65	0.5	NFRC	0.45	Flag Screen
(ea) Back Wall	Window	Incl Back Wall	Back	115	1	65	0.5	NFRC	0.45	Flag Screen
(ea) Right Wall	Window	Incl Right Wall	Right	205	1	122.1	0.3	NFRC	0.45	Flag Screen
SLAB FLOORS										
01	02	03	04	05	06	07	08	09	10	11
Name	Zone	Area (sq ft)	Perimeter (ft)	Edge Insul. R-value and Depth	Edge Insul. U-factor and Depth	Carpeted Fraction	Heated	Status	Verified/Existing Condition	
(ea) Slab On Grade	Garage	270	34.5	none	0	0%	No	Existing	No	
OPAQUE SURFACE CONSTRUCTIONS										
01	02	03	04	05	06	07	08			
Construction Name	Surface Type	Construction Type	Framing	Total Cavity R-value	Interior / Exterior Condition	U-factor	Assembly Layers			
R-30 Cathedral	Cathedral Ceiling	Wood Framed Ceiling	2x4 @ 16 in. O. C.	8.10	None / None	0.046	Roofing: Light Roof (Asphalt Shingles) Roof Deck: Wood Siding/Sheathing/Bracing: Cavity / Frame: R-30 / 2x4 Inside Finish: Oppium Board			
R-15 Interior	Interior Walls	Wood Framed Wall	2x4 @ 16 in. O. C.	8.15	None / None	0.086	Inside Finish: Oppium Board Cavity / Frame: R-15 / 2x4 Other Side Finish: Oppium Board			
(ea) Asphalt Shingle	Attic:Roofs	Wood Framed Ceiling	2x4 @ 16 in. O. C.	8.0	None / None	0.021	Roofing: Light Roof (Asphalt Shingles) Roof Deck: Wood Siding/Sheathing/Bracing: Cavity / Frame: no insul. / 2x4			
R-0 Ramped Crawlspace	Floor Over Crawlspace	Wood Framed Floor	2x4 @ 16 in. O. C.	8.0	None / None	0.23	Floor Surface: Carpeted Floor Deck: Wood Siding/Sheathing/Bracing: Cavity / Frame: R-0 / 2x4 Inside Finish: no insul. / 2x4			
R-15 Ramped Crawlspace	Floor Over Crawlspace	Wood Framed Floor	2x12 @ 16 in. O. C.	8.15	None / None	0.045	Floor Surface: Carpeted Floor Deck: Wood Siding/Sheathing/Bracing: Cavity / Frame: R-15 / 2x12 Inside Finish: Oppium Board			
R-11 Ceiling	Ceilings (Below Attic)	Wood Framed Ceiling	2x4 @ 16 in. O. C.	8.11	None / None	0.083	Over Ceiling Insul: R-11 Insul. Cavity / Frame: R-11 / 2x4 Inside Finish: Oppium Board			
Garage Roof	Ceilings (Below Attic)	Wood Framed Ceiling	2x4 @ 16 in. O. C.	8.0	None / None	0.472	Cavity / Frame: no insul. / 2x4 Inside Finish: Oppium Board			

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Input File Name: 12549-rb422																				
CF18-PF-01-E (Page 7 of 11)																				
DOCLIMATE STATEMENT																				
I, [Name], certify that this Certificate of Compliance documentation is accurate and complete.																				
<table border="0"> <tr> <td>Documentation Author Name:</td> <td>Heather Clark</td> </tr> <tr> <td>Date:</td> <td>12/29/2025</td> </tr> <tr> <td>Address:</td> <td>224 HERS Certification (Specification of Applicable)</td> </tr> <tr> <td>City:</td> <td>Morgan Hill, CA 95037</td> </tr> <tr> <td>Phone:</td> <td>(408) 202-9075</td> </tr> </table>											Documentation Author Name:	Heather Clark	Date:	12/29/2025	Address:	224 HERS Certification (Specification of Applicable)	City:	Morgan Hill, CA 95037	Phone:	(408) 202-9075
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City:	Morgan Hill, CA 95037																			
Phone:	(408) 202-9075																			
RESPONSIBLE PERSON'S DECLARATION STATEMENT																				
I certify the following under penalty of perjury, under the laws of the State of California:																				
<ol style="list-style-type: none"> I am eligible under Division 9 of the Business and Professions Code to accept responsibility for the building design identified on this Certificate of Compliance. I certify that the energy features and performance specifications identified on this Certificate of Compliance comply with the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 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. 																				
<table border="0"> <tr> <td>Responsible Person Name:</td> <td>David Schaefer</td> </tr> <tr> <td>Company:</td> <td>David Schaefer</td> </tr> <tr> <td>Address:</td> <td>14845 Redwood Way</td> </tr> <tr> <td>City/State/Zip:</td> <td>Truckee, CA 96161</td> </tr> <tr> <td>Phone:</td> <td>907296797</td> </tr> </table>											Responsible Person Name:	David Schaefer	Company:	David Schaefer	Address:	14845 Redwood Way	City/State/Zip:	Truckee, CA 96161	Phone:	907296797
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CF18-PF-01-E (Page 8 of 11)										
BUILDING ENVELOPE - HERS VERIFICATION										
01	02	03	04	05	06	07	08			
Quality Insulation Installation (QI)	High-R-Value Temp. Control Insulation	Building Envelope Air Leakage	CEM30	CEM30						
Not Required	Not Required	Not Required	n/a	n/a						



San Mateo County Planning & Building Department

Stormwater Management Owner's Consent Form

Part A shall be completed and signed by the property owner before building permit issuance and submitted to the County Planning and Building Department via email to drainage@smcgov.org.

PART A

OWNER: SLM LLC/David Schaefer PERMIT NO.: BLD2025-03690

SITE LOCATION: 836 11th Ave APN NO.: 055-102-190

CIVIL ENGINEER OF RECORD: Joey Roca, Roca3 Engineering

The Owner, as named above, is responsible to ensure proper inspection and maintenance of the property's stormwater management features in accordance with their design and requirements on approved plans for the project (Sheet #, date, revision #):

SOCF, 3/6/2026, Resubmittal #1

In order to keep excessive stormwater and surface runoff from flowing onto and/or flooding adjacent lands (e.g., neighboring properties and the right-of-way) for the duration of property ownership, The Owner shall retain the stormwater management permit-set plans and as-built plans, if any. The Owner shall transfer this form and relevant plans/documents at the time of property transfer to a new Owner.

OWNER'S NAME (PRINT): David Schaefer

SIGNATURE: [Signature] DATE: 3/6/2026

STOP! OFFICIAL USE ONLY:

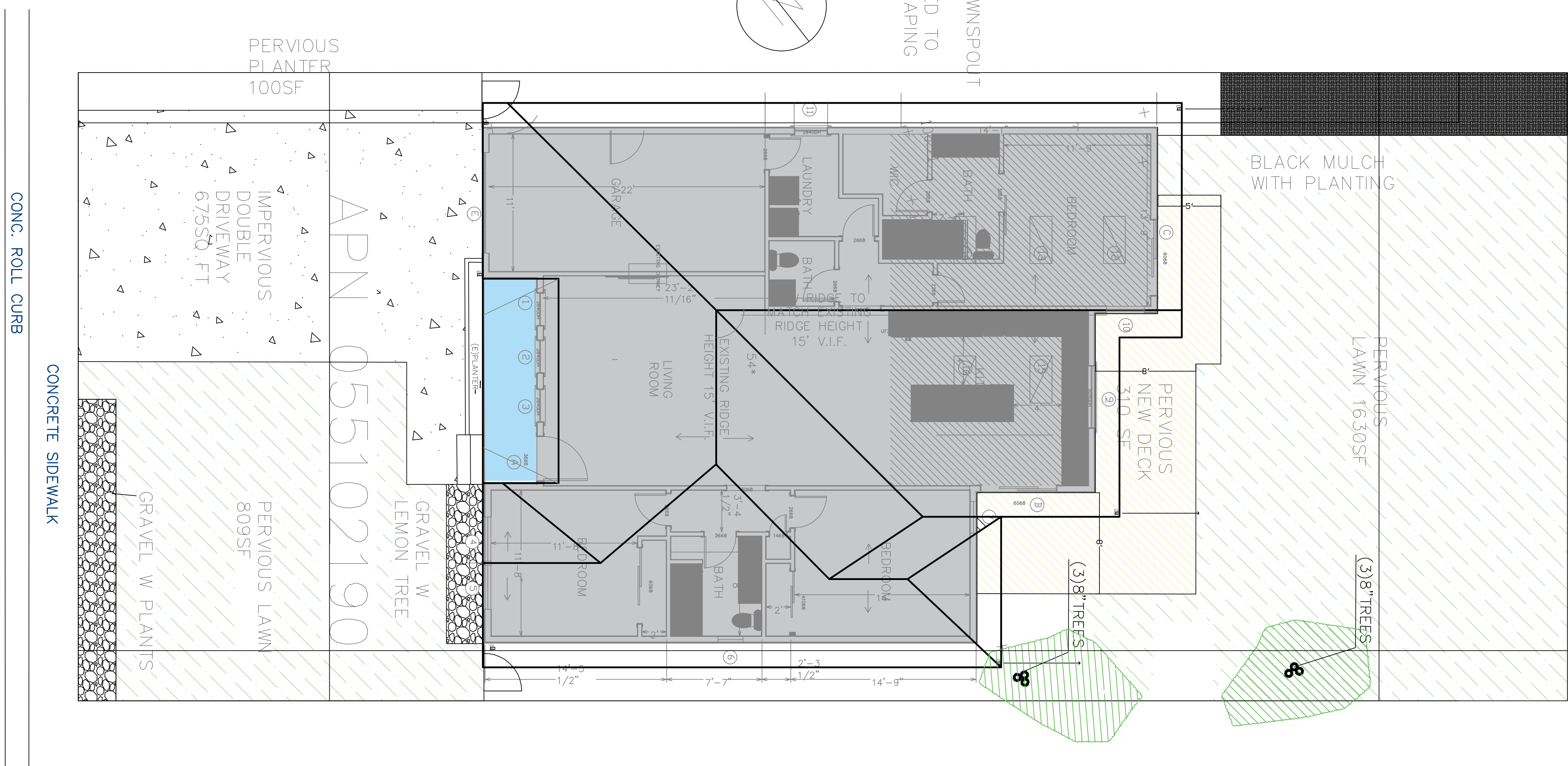
PART B

COUNTY'S NOTES: _____

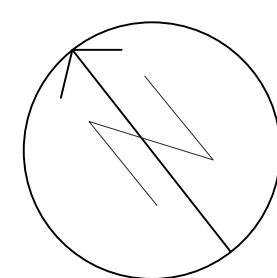
COUNTY OFFICIAL: _____ DATE: _____

485 County Center, 2nd Floor, Redwood City, CA 94063 | <https://planning.smcgov.org>

No net increase in stormwater runoff (relative to undeveloped conditions) may drain onto adjacent properties. The existing storm drainage from the adjacent properties shall not be blocked by the new development. The owner shall adequately maintain the property's stormwater management facilities.



ALL DOWNSPOUT
RUNOFF
DIRECTED TO
LANDSCAPING



CONTACT:
DAVID SCHAFFER, SLM LLC
650-296-6767
david@slmlc.com

836 11TH AVENUE, REDWOOD CITY, CA 94063

INITIAL SUB
12/10/2025
RESUB1
3/6/2026

PREPARED BY
ROCKWELL CHAN
RPC STUDIO RWC
ROCKC1216@GMAIL.COM

SOCF



COUNTY OF SAN MATEO
 Planning & Building Department
 455 County Center, 2nd Floor
 Redwood City, CA 94063
 BLD: 650-599-7311/PLN: 650-363-1825
<http://planning.smcgov.org>

C.3 and C.6 Development Review Checklist
 Municipal Regional Stormwater Permit (MRP 3.0)
 Stormwater Controls for Development Projects
 Effective Date: July 1, 2024

Project Information (Enter information only into blue-highlighted cells - other cells are locked.)

I.A Enter Project Data (For "C.3 Regulated Projects," data will be reported in the municipality's stormwater Annual Report.)

Project Name: 836 Remodel Case Number: _____
 Project Address: 836 11th Redwood City, CA Cross Street: Bay Road
 Project APN: 055-102-190 Project Watershed: _____
 Applicant Name: David Schaefer Project Phase No. _____
 Applicant Phone: 650-296-6767 Applicant Email Address: david@slmilc.com

Development Type: Small Single-Family Home Project (<10,000 sq. ft. of created and/or replaced impervious surface)
 Large Single-Family Home Project (≥10,000 sq. ft. of created and/or replaced impervious surface)
 Subdivision - Residential: Two or more lot development? # of units: _____
 Multi-Family Residential # of units: _____
 Commercial # of units: _____
 Industrial, Manufacturing # of units: _____
 Mixed-Use # of units: _____
 New, widened or reconstructed roads related to parcel-based projects
 Stand-alone pavement maintenance or construction work, or similar work related to parcel-based projects
 Other redevelopment project as defined by MRP: creating, adding and/or replacing exterior existing impervious surface on a site where past development has occurred.
 Institutional: schools, libraries, jails, etc.
 Parks and trails, camp grounds, other recreational
 Kennels, Ranches
 Other, Please specify _____

Project Description (Don't include past or future phases)
 Addition at rear (structural) new primary suite, new primary bathroom, new laundry room, new powder room, remodel existing hallway bath, replace and double driveway, landscaping front and rear yard.

I.A.1 Total Project Area: 5,900 square feet (on and off-site)
I.A.2 Total Area on-site: 5,900 square feet (on the private property)
I.A.3 Total Area off-site: 0 square feet (frontage or area in Public Right of Way being improved)
I.A.4 Total Area of land disturbed during construction: 3,654 square feet
I.A.5 Site slope: 0 %

I.A.6 Certification:
 I certify that the information provided on this form is correct and acknowledge that, should the project exceed the amount of new and/or replaced impervious surface provided in this form, the as-built project may be subject to additional improvements.

Preliminary Calculations Attached Final Calculations Attached Stormwater Control Plan Attached

Name of person completing the form: Rockwell Chan Title: Designer
 Signature: _____ Date: _____
 Phone Number: 6502605931 E-mail: rockc1216@gmail.com

1 Small and Large Detached Single-Family Homes that are not part of a common plan of development.
 2 Common Plans of Development (subdivisions or contiguous, commonly owned lots, for the construction of two or more homes developed within 1 year of each other), and/or constructed with shared utilities, are not considered single family home projects by the MRP.
 3 Stand-alone roadway or pavement projects, or pavement work that is part of a project, creating or replacing 5,000 sq. ft. or more of impervious surface may be subject to C.3 requirements - both in public and private areas. See the Roads Factsheet at: www.flowstobay.org/newdevelopment
 4 Project description examples: 5-story office building, industrial warehouse, residential with five 4-story buildings for 200 condominiums, etc. 7/1/24.

I.B Is the project a "C.3 Regulated Project" per MRP Provision C.3.b? (Use table below to make determination.)
I.B.1 Enter the amount of Impervious Surface Retained, Replaced or Created by the project (use DMA Table in Worksheet D):

Pre-Project I.B.1.a	Post-Project			
	I.B.1.b	I.B.1.c	I.B.1.d	I.B.1.e
Impervious Surfaces (IS) (e.g., sidewalks, driveways, parking areas, patios, roads, rooftops, pools, pathways, etc.)	Existing (Pre-Project) Impervious Surface (sq ft.)	Existing Impervious Surface to be Retained (sq ft.)	Existing Impervious Surface to be Replaced (sq ft.)	New Impervious Surface to be Created (sq ft.)
On-site area (within the parcel/private site boundaries)	2,736	413	260	760
Off-site area (e.g., frontage/other area in Public Right of Way)	289	60	60	60
Subtotal	3,025	473	260	760
Total Impervious Surface Replaced and Created: (sum of totals for columns I.B.1.c and I.B.1.d.)		I.B.1.f	1,020 sq. ft.	

Pervious Surfaces (PS) (e.g., landscaping, pervious pavement, bioretention areas, parking strips, street trees, etc. - both on-site and off-site)	Existing (Pre-Project) Pervious Surface (sq ft.)	New Pervious Surface (sq ft.)	Post-project Pervious Surface (sq ft.)
All pervious off-site areas (e.g., frontage/Public Right of Way)	-	-	-
Landscaping area on-site	3,041	-	2,536
Pervious Pavement area on-site	-	-	-
Green Roof area on-site	-	-	-
Subtotal	3,041		2,536
Total Project Area (should be equal to I.A.1)	6,066	50% Rule Calculation?	9 %

I.B.2 Please review and attach additional worksheets as required below using the Total Impervious Surface (IS) Replaced or Created in cell I.B.1.f from Table I.B.1 above and other factors:

Review Steps	Check One		Attach Worksheet
	Yes	No	
I.B.2.a Does this project involve any earthwork and/or stockpiling of soil, aggregates etc? If YES, then Check Yes, and Complete Worksheet A. If NO, then Check No, and go to I.B.2.b	X		A
I.B.2.b Is I.B.1.f greater than or equal to 2,500 sq ft? If YES, then the Project is subject to Provision C.3.1 - complete Worksheets B, C and go to I.B.2.c. If NO, then skip to I.B.2.d		X	B, C
I.B.2.c Does the 50% rule apply to the project? Is I.B.1.h 50% or more? If YES, site design, source control and treatment requirements apply to the entire on-site area. Continue to I.B.2.d. If NO, these requirements apply only to the impervious surface created and/or replaced. Continue to I.B.2.d		X	
I.B.2.d Is this project a Roadway Project and is I.B.1.f greater than or equal to 5,000 sq ft? If YES, project may be C.3 Regulated Project. See the Roadways Fact Sheet at: www.flowstobay.org/newdevelopment . If NO, go to I.B.2.e		X	D
I.B.2.e Is I.B.1.f greater than or equal to 5,000 sq ft? Or 10,000 sq ft. for a Large Single-Family Home? (Small Single-Family Homes are exempt). If YES, project is a C.3 Regulated Project - complete Worksheet D. Then continue to I.B.2.f. If NO, then skip to I.B.2.g		X	
I.B.2.f Is I.B.1.f greater than or equal to 43,560 sq ft. (i.e., one acre)? If YES, project may be subject to Hydromodification Management requirements - complete Worksheet E. Then go to I.B.2.g. If NO, then go to I.B.2.g		X	E
I.B.2.g Is I.A.4 greater than or equal to 43,560 sq ft. (i.e., one acre)? [SWRS Site: Subject to monthly inspections from Oct 1 to April 30, weekly inspections if located in ASBS Watershed] If YES, check box, obtain coverage under CA Construction General Permit & submit Notice of Intent to municipality; go to I.B.2.h. If NO, then skip to I.B.2.h		X	
I.B.2.h Is this a Special Project or does it have the potential to be a Special Project? If YES, complete Worksheet F - then continue to I.B.2.i. If NO, go to I.B.2.i		X	F
I.B.2.i Is this project a Hillside Site? Or a High Priority Site? A. Any site with land disturbance of 1-acre or more; OR B. "high priority sites" involve land disturbance of less than 1-acre on the following site types: 1. All sites where the scope of development or land alteration requires a Grading or Land Clearing Permit; 2. Project with land disturbance of at least 1 sq. ft. or greater within the ASBS watershed; 3. 1,000 sq. ft. or greater for areas within 100 feet of a creek, wetland, or coastline; (c) Hillside Projects (20% slope or greater) > 11,000 sq. ft. if project area has average slope > 20%; < 2) 3,000 sq. ft. if project area has slope between 20% - 50%; (d) 10,000 sq. ft. if project area has average slope < 20%; 3. Any public project involving work within a waterway or any private project involving work within a waterway that requires a permit issued by the Planning and Building Department. [SWRS Site: Subject to monthly inspections from Oct 1 to April 30, weekly inspections if located in ASBS Watershed] If YES, complete section G-2 on Worksheet G - then continue to I.B.2.j and complete the Certification in Section I.A.6. If NO, then go to I.B.2.j and complete the Certification in Section I.A.6		X	G
I.B.2.j For Municipal Staff Use Only: Are you using Alternative Certification for the project review? If YES, then fill out section G-1 on Worksheet G. Fill out other sections of Worksheet G as appropriate. See cell I.B.1.g above - Is the project installing 3,000 square feet or more of pervious pavement? If YES, then fill out section G-3 on Worksheet G. Add to Municipal Inspection Lists (C.3 and C.3.h)		X	G

1 "Retained" means to leave existing impervious surfaces in place; "Replaced" means to install new impervious surface where existing impervious surface is removed anywhere on the same site; and "Created" means the amount of new impervious surface being proposed which exceeds the total amount of existing impervious surface at the site.
 2 Per the MRP, pavement that meets the following definition of pervious pavement is NOT an impervious surface: pavement that stores and infiltrates rainfall at a rate equal to immediately surrounding ungraded, landscaped areas, or that stores and infiltrates the rainfall runoff volume described in Provision C.3. Gravel pavement is not pervious unless it is constructed using pervious pavement system designs or runoff flows to adjacent landscaping. Pervious off-site areas include landscaped areas such as parking strips and street trees, off-site pervious pavement includes pervious concrete gutters and interlocking permeable concrete paver sidewalks, etc.
 3 Per MRP 3, the 50% rule now applies to both the on-site and off-site areas (typically the frontage areas), so replacement of IS in the off-site area is included.
 7/1/24.

Worksheet A

C.6 - Construction Stormwater BMPs

Identify Plan sheet showing the appropriate construction Best Management Practices (BMPs) used on this project:
 (Applies to all projects with earthwork)

Yes	Plan Sheet	Best Management Practice (BMP)
X		Control and prevent the discharge of all potential pollutants, including pavement cutting wastes, paints, concrete, petroleum products, chemicals, wash water or sediments, rinse water from architectural copper, and non-stormwater discharges to storm drains and watercourses.
X		Store, handle, and dispose of construction materials/wastes properly to prevent contact with stormwater.
X		Do not clean, fuel, or maintain vehicles on-site, except in a designated area where wash water is contained and treated.
X		Train and provide instruction to all employees/subcontractors re: construction BMPs.
X		Protect all storm drain inlets in vicinity of site using sediment controls such as berms, filter rolls, or filters.
X		Limit construction access routes and stabilize designated access points.
X		Attach the San Mateo Countywide Water Pollution Prevention Program's construction BMP plan sheet to project plans and require contractor to implement the applicable BMPs on the plan sheet.
X		Use temporary erosion controls to stabilize all denuded areas until permanent erosion controls are established.
X		Delineate with field markers clearing limits, easements, setbacks, sensitive or critical areas, buffer zones, trees, and drainage courses.
X		Provide notes, specifications, or attachments describing the following: ■ Construction, operation and maintenance of erosion and sediment controls, include inspection frequency. ■ Methods and schedule for grading, excavation, filling, clearing of vegetation, and storage and disposal of excavated or cleaned material; ■ Specifications for vegetative cover & mulch, include methods and schedules for planting and fertilization; ■ Provisions for temporary and/or permanent irrigation.
X		Perform clearing and earth moving activities only during dry weather.
X		Use sediment controls or filtration to remove sediment when dewatering and obtain all necessary permits.
X		Trap sediment on-site, using BMPs such as sediment basins or traps, earthen dikes or berms, silt fences, check dams, soil blankets or mats, covers for soil stock piles, etc.
X		Divert on-site runoff around exposed areas; divert off-site runoff around the site (e.g., swales and dikes).
X		Protect adjacent properties and undisturbed areas from construction impacts using vegetative buffer strips, sediment barriers or filters, dikes, mulching, or other measures as appropriate.

CONTACT:
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 650-296-6767
 david@slmilc.com

836 11TH AVENUE, REDWOOD CITY, CA 94063

INITIAL SUB
 12/10/2025
 RESUB1
 3/6/2026

PREPARED BY
 ROCKWELL CHAN
 RPC STUDIO RWC
 ROCKC1216@GMAIL.COM

C3C6



SIGNATURE



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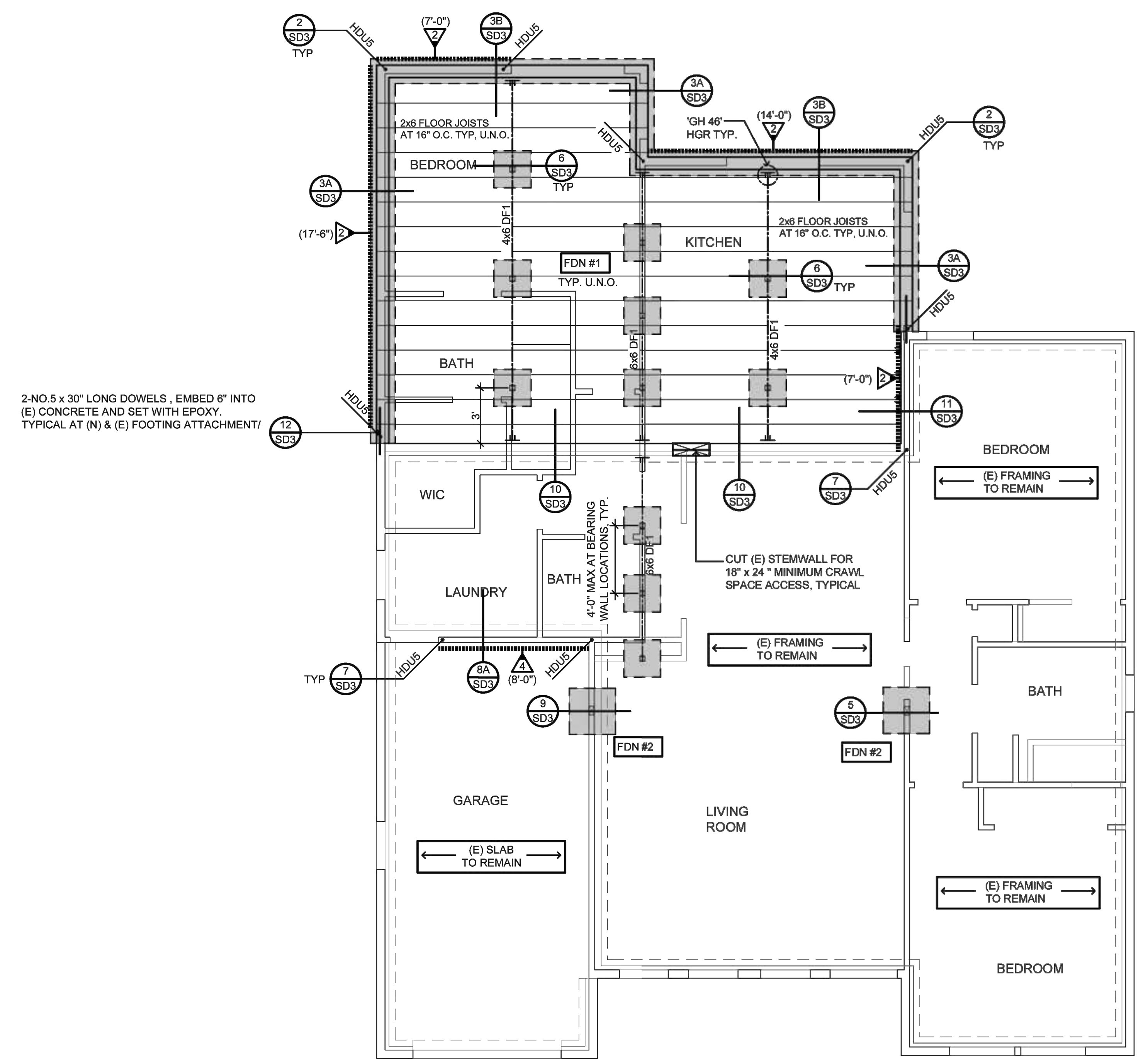
LEGENDS AND GENERAL NOTES:

- SEE SHEET SD1 FOR GENERAL NOTES AND MATERIAL SPECIFICATION.
- SEE SHEET SD1 FOR HANGER SCHEDULE & MIN. FRAMING CONNECTORS.
- REFER TO SHEET SD2 FOR TYPICAL FRAMING DETAILS.
- ALL DIMENSION SHOWN ARE FOR REFERENCE ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR ACTUAL MEASUREMENT. DO NOT SCALE DRAWINGS.

- SHEAR WALL LOCATIONS. (SEE PLANS AND SHEET SD1 FOR SHEAR WALL SCHEDULE AND ANCHOR BOLT SPACING) USE TYPE 1 PLYWOOD AT EXTERIOR NON-SHEAR WALL LOCATIONS.
- DENOTES (N) 15" WIDE CONTINUOUS FOOTING/ (1) SD3
- DENOTES (E) 12" WIDE x 12" DEEP MINIMUM (EMBEDMENT) CONTINUOUS FOOTING. VERIFY IN FIELD TO MATCH (N) FOOTING. SEE FOUNDATION NOTES ON SHEET SD1
- INDICATES LOCATION OF 18" DEEP x 24" WIDE MINIMUM CRAWL SPACE ACCESS. CUT (E) STEMWALL AT (E) FOOTING CONDITION & BLOCK FORMS AT (N) CONCRETE.
- DENOTES ISOLATED SPREAD FOOTING. SEE PLAN LOCATION. FOOTING SIZE AND REINFORCEMENT AS FOLLOWS:
 - FDN #1** 2'-0" SQUARE x 24" DEEP FOOTING WITH (2)- NO.4 BARS BOTH WAYS
 - FDN #2** 2'-6" SQUARE x 24" DEEP FOOTING WITH (3)- NO.4 BARS BOTH WAYS
- DENOTES SIMPSON HDU HOLD-DOWN. SEE PLAN FOR SIZE AND LOCATIONS. H.A. - REFERS TO HOLD-DOWN TRANSFER FROM ABOVE

TYPICAL PLYWOOD DIAPHRAGM		
LOCATION	GRADING	NAILING (U.N.O.)
FLOOR - 1 1/8" CDX	APA (32/16)	10d COMMON @ 6" E.N., 10" F.N.
E.N. - EDGE NAILING	UNBLOCKED DIAPHRAGM TYPICAL, U.N.O.	
F.N. - FIELD NAILING		

FRAMING NOTE:
VERIFY EXISTING FRAMING/ FOUNDATION LAYOUT AND NOTIFY ENGINEER FOR FURTHER FRAMING/ FOUNDATION RECOMMENDATION WHEN EXISTING FRAMING CONDITION DOES NOT MATCH AS SHOWN ON PLANS



FOUNDATION PLAN
SCALE 1/4"=1'-0"

PROJECT TITLE:
PROPOSED ADDITION AND REMODEL FOR:
SCHAEFER RESIDENCE
836 11TH AVENUE, REDWOOD CITY, CALIFORNIA

NO.	DESCRIPTION	DATE
1	PLAN CHECK	02.1.2.26

REVISIONS

DRAWN:	JR	CHECKED:	JR
SCALE:	AS NOTED		
ISSUED:	12/17/2025		
PROJECT NO.	1355.112025		

SHEET NO. REV.

S1

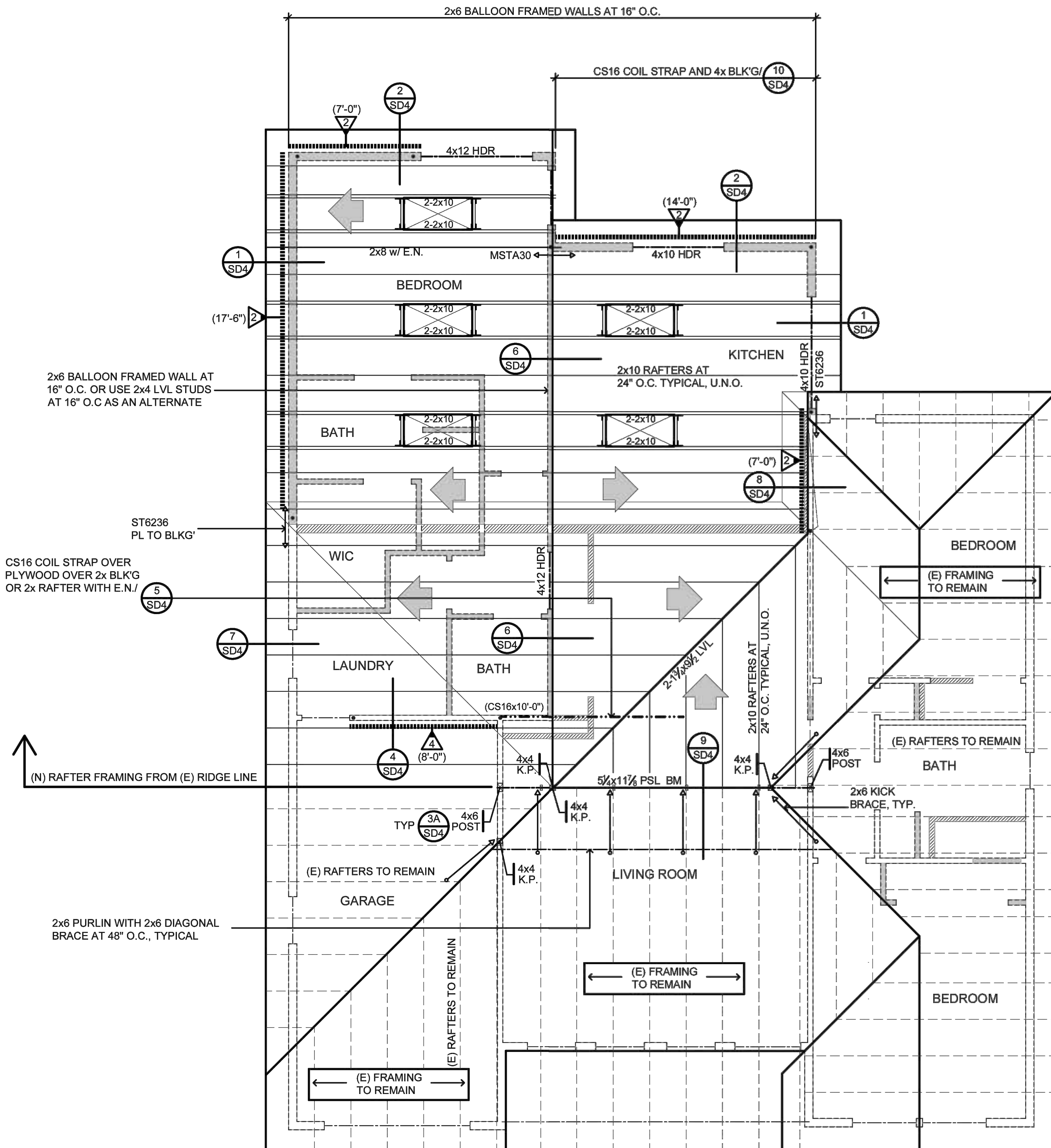


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PROJECT TITLE:
PROPOSED ADDITION AND REMODEL FOR:
SCHAEFER RESIDENCE
836 11TH AVENUE, REDWOOD CITY, CALIFORNIA

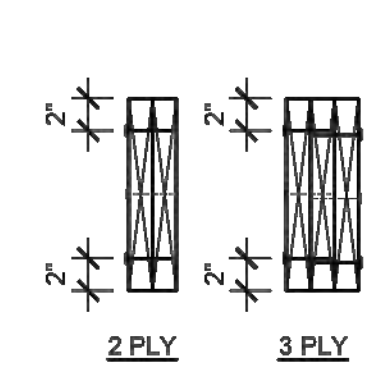


LEGENDS AND GENERAL NOTES:

- SEE SHEET SD1 FOR GENERAL NOTES AND MATERIAL SPECIFICATION.
- SEE SHEET SD1 FOR CEILING JOIST SPAN SCHEDULE.
- SEE SHEET SD1 FOR HANGER SCHEDULE & MIN. FRAMING CONNECTORS.
- REFER TO SHEET SD2 FOR TYPICAL FRAMING DETAILS.
- ALL DIMENSION SHOWN ARE FOR REFERENCE ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR ACTUAL MEASUREMENT. DO NOT SCALE DRAWINGS.

- SHEAR WALL LOCATIONS. (SEE PLANS AND SHEET SD1 FOR SHEAR WALL SCHEDULE AND ANCHOR BOLT SPACING) USE TYPE 1 PLYWOOD AT EXTERIOR NON-SHEAR WALL LOCATIONS.
- SEE SCHEDULE FOR MINIMUM HEADER SIZE TYPICAL U.N.O.
- DENOTES WALL FRAMING BELOW
- INDICATES (E) WALL TO BE REMOVED
- INDICATES (N) WALL SEE ARCH'L PLANS
- DENOTES POST LOCATIONS AT LOWER FRAMING. SEE PLAN FOR POST SIZES (4x4 MIN.) P- POST, KP- KING POST
- INDICATES SIMPSON COLLECTOR STRAP. SEE PLANS FOR SIZES AND LOCATION. INSTALL PER REFERENCE DETAIL UNLESS OTHER CONNECTION IS NOTED
- DENOTES SIMPSON CS 16 COLLECTOR STRAP NAILED OVER PLYWOOD OVER 2x BLKG OR RAFTER WITH EDGE NAIL. SEE PLANS FOR LENGTH AND LOCATION
- 2x4 VERTICAL BRACE TO CEILING BEAM MAX (48" O.C.)
- 2x DIAGONAL KICK BRACE TO CEILING BEAM PER PLAN
- DENOTES SIMPSON HDU HOLD-DOWN TYPICAL, U.N.O. SEE PLAN FOR SIZE AND LOCATIONS. USE 4x MINIMUM HOLD-DOWN POST

TYPICAL PLYWOOD DIAPHRAGM		
LOCATION	GRADING	NAILING (U.N.O.)
ROOF - 1/2" CDX	APA (32/16)	8d COMMON @ 8" E.N., 12" F.N.
FLOOR - 3/4" T&G CDX	APA (32/16)	10d COMMON @ 8" E.N., 10" F.N.
E.N. - EDGE NAILING		UNBLOCKED DIAPHRAGM TYPICAL, U.N.O.
F.N. - FIELD NAILING		



DESIGNATION	MEMBER SIZE	NO. OF ROWS	CONNECTOR O.C. SPACING
5/8" LVL	1 1/2" x 5 1/2" LVL	2	10d AT 12" O.C.
7/8" LVL	1 1/2" x 7 1/2" LVL	2	10d AT 12" O.C.
9/8" LVL	1 1/2" x 9 1/2" LVL	2	10d AT 12" O.C.
1 1/8" LVL	1 1/2" x 11 1/2" LVL	3	10d AT 12" O.C.
1 1/4" LVL	1 1/2" x 14" LVL	3	10d AT 12" O.C.
1 1/2" LVL	1 1/2" x 16" LVL	3	10d AT 12" O.C.

FRAMING NOTE:
VERIFY EXISTING FRAMING LAYOUT AND NOTIFY ENGINEER FOR FURTHER FRAMING RECOMMENDATION WHEN EXISTING FRAMING CONDITION DOES NOT MATCH AS SHOWN ON PLANS

ROOF FRAMING PLAN
SCALE 1/4"=1'-0"

NO.	DESCRIPTION	DATE
1	PLAN CHECK	02.12.26

REVISIONS

DRAWN:	JR	CHECKED:	JR
SCALE:		AS NOTED	
ISSUED:		12/17/2025	
PROJECT NO.		1355.112025	

SHEET NO. REV. 0

S2

CONNECTION	NAILING	CONNECTION	NAILING
1. BLOCKING BETWEEN CEILING JOISTS, RAFTERS OR TRUSSES TO TOP PLATE OR OTHER FRAMING BELOW. TOE NAIL.	3-10d box	21. 1" x 6" AND WIDER SHEATHING TO EACH BEARING. FACE NAIL.	3-8d 3-10d box
2. BLOCKING BETWEEN RAFTERS OR TRUSS NOT AT THE TOP PLATE, TO RAFTER OR TRUSS.	2-8d TOE NAIL 2-16d FACE NAIL	22. JOIST TO SILL, TOP PLATE OR GIRDER.	3-8d 3-10d box
3. CEILING JOISTS TO TOP PLATES EACH JOIST, TOE NAIL.	16d AT 6" ON CENTER 3-10d box	23. RIM JOISTS, BAND JOISTS, OR BLK TO FILLER. FACE NAIL.	8d 10d box
4. CEILING JOISTS NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITION (NO THRUST) FACE NAIL. SECT 2308.7.3.1, TABLE 2308.7.3.1.	16d AT 6" ON CENTER 3-10d box	24. 1" x 6" SUBFLOOR OR LESS TO EACH JOIST. FACE NAIL.	2-8d 2-10d box
5. COLLAR TIE TO RAFTER, FACE NAIL.	3-10d 4-10d box	25. 2" SUBFLOOR TO JOIST OR GIRDER. FACE NAIL.	2-16d
6. RAFTER OR ROOF TRUSS TO TOP PLATE NAIL. SECT 2308.7.5, TABLE 2308.7.5.	3-10d 4-10d box	26. 2" PLANKS (PLANK & BEAM- FLOOR AND ROOF) EACH BEARING. FACE NAIL.	2-16d
7. ROOF RAFTERS TO RIDGES TO TOP PLATE OR HIP RAFTERS, OR ROOF RAFTER TO 2 INCH RIDGE BEAM.	3-10d 4-10d box	27. BUILT-UP GIRDER & BEAMS. 2" LUMBER LAYERS. FACE NAIL 24" O.C. & 8 B STAGGERED AT OPPOSITE SIDES.	20d 10d box
8. STUD TO STUD, 16" O.C. FACE NAIL (NOT AT BRACED WALL PANELS).	10d box	28. LEDGER STRIP SUPPORTING JOISTS OR RAFTERS. FACE NAIL EACH.	3-16d 4-10d box
9. STUD TO STUD & ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS) 12" O.C. FACE NAIL.	16d box	29. JOIST TO BAND JOISTS OR RIM JOISTS. END NAIL.	3-16d 4-10d box
10. BUILT-UP HEADER (2" TO 2" HEADER) 12" O.C. EACH EDGE, FACE NAIL.	16d box	30. BRIDGING OR BLOCKING TO JOIST, RAFTER OR TRUSS. END NAIL.	2-8d 2-10d box
11. CONTINUOUS HEADER TO STUD TOE NAIL.	4-8d 4-10d box	31. WOOD STRUCTURAL PANELS SUBFLOOR, ROOF, OR INTERIOR WALL SHEATHING & PARTICLE BOARD WALL SHEATHING TO FRAMING.	10d box
12. TOP PLATE TO TOP PLATE 12" O.C. FACE NAIL.	10d box	32. 1" x 6" AND WIDER SHEATHING TO EACH BEARING. FACE NAIL.	3-8d 3-10d box
13. TOP PL. TO TOP PL. AT END JOINTS (EACH SIDE OF END JOINT) FACE NAIL. MIN 2" LAP. SPICE LENGTH 6" ON EACH SIDE.	12-16d box	33. 1" x 6" AND WIDER SHEATHING TO EACH BEARING. FACE NAIL.	3-8d 3-10d box
14. BOTTOM PL. TO JOIST. TO RIM JOIST. BAND JOIST OR BLK. 12" O.C. FACE NAIL (NOT AT BRACED WALL PANELS).	3-16d box	34. OTHER EXTERIOR WALL SHEATHING 3" O.C. EDGE, 6" O.C. INTERMEDIATE SUPPORTS.	10d box
15. BOTTOM PL. TO JOIST. TO RIM JOIST. BAND JOIST OR BLK. 16" O.C. FACE NAIL AT BRACED WALL PANELS.	3-16d box	35. 1 1/2" FIBERBOARD SHEATHING 8d	10d box
16. STUD TO TOP OR BOTTOM PLATE TOE NAIL.	4-10d box	36. WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING.	10d box
17. TOP OR BOTTOM PLATE TO STUD.	2-16d 3-10d box	37. 3/4" AND LESS 8d	10d box
18. TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS, FACE NAIL.	2-16d 3-10d box	38. 1 1/8" TO 1 1/4" 10d OR 8d	10d box
19. 1" BRACE TO EACH STUD AND PLATE FACE NAIL.	2-10d box	39. PANEL SIDING TO FRAMING 1/2" OR LESS 8d	10d box
20. 1" x 6" SHEATHING TO EACH BEARING FACE NAIL.	2-8d 2-10d box	40. 5/8" 8d	10d box

CBC TABLE 2304.10.2 FASTENING SCHEDULE

CONNECTION **NAILING** **CONNECTION** **NAILING**

1. BLOCKING BETWEEN CEILING JOISTS, RAFTERS OR TRUSSES TO TOP PLATE OR OTHER FRAMING BELOW. TOE NAIL.

2. BLOCKING BETWEEN RAFTERS OR TRUSS NOT AT THE TOP PLATE, TO RAFTER OR TRUSS.

3. CEILING JOISTS TO TOP PLATES EACH JOIST, TOE NAIL.

4. CEILING JOISTS NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITION (NO THRUST) FACE NAIL. SECT 2308.7.3.1, TABLE 2308.7.3.1.

5. COLLAR TIE TO RAFTER, FACE NAIL.

6. RAFTER OR ROOF TRUSS TO TOP PLATE NAIL. SECT 2308.7.5, TABLE 2308.7.5.

7. ROOF RAFTERS TO RIDGES TO TOP PLATE OR HIP RAFTERS, OR ROOF RAFTER TO 2 INCH RIDGE BEAM.

8. STUD TO STUD, 16" O.C. FACE NAIL (NOT AT BRACED WALL PANELS).

9. STUD TO STUD & ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS) 12" O.C. FACE NAIL.

10. BUILT-UP HEADER (2" TO 2" HEADER) 12" O.C. EACH EDGE, FACE NAIL.

11. CONTINUOUS HEADER TO STUD TOE NAIL.

12. TOP PLATE TO TOP PLATE 12" O.C. FACE NAIL.

13. TOP PL. TO TOP PL. AT END JOINTS (EACH SIDE OF END JOINT) FACE NAIL. MIN 2" LAP. SPICE LENGTH 6" ON EACH SIDE.

14. BOTTOM PL. TO JOIST. TO RIM JOIST. BAND JOIST OR BLK. 12" O.C. FACE NAIL (NOT AT BRACED WALL PANELS).

15. BOTTOM PL. TO JOIST. TO RIM JOIST. BAND JOIST OR BLK. 16" O.C. FACE NAIL AT BRACED WALL PANELS.

16. STUD TO TOP OR BOTTOM PLATE TOE NAIL.

17. TOP OR BOTTOM PLATE TO STUD.

18. TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS, FACE NAIL.

19. 1" BRACE TO EACH STUD AND PLATE FACE NAIL.

20. 1" x 6" SHEATHING TO EACH BEARING FACE NAIL.

MATERIAL SPECIFICATIONS

LUMBER:

ALL FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH AS FOLLOWS, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS:

STUDS: 2x4 CONSTRUCTION GRADE, 2x6 D.F.#2 D.F.#2

RAFTERS & JOISTS: CONSTRUCTION GRADE 4x D.F.#2, 6x D.F.#1 (CONCEALED & EXPOSED) D.F.#1

POSTS, BEAMS & HEADERS: 4x12 D.F.#1, APPEARANCE GRADE FOHC 24F-V4, 24F-V8 AT CANTILEVER MUDSILL: 2x OR 3x P.T.D.F.

GLU-LAMS SHALL BE ARCHITECTURAL GRADE IF EXPOSED. PROVIDE AITC CERTIFICATE OF COMPLIANCE FOR ALL GLU-LAM MEMBERS TO BUILDING INSPECTOR PRIOR TO INSTALLATION. PROVIDE STANDARD CAMBER (UNLESS OTHERWISE NOTED).

PLYWOOD:

LOCATION GRADING NAILING (U.N.O.)

ROOF - 1/2" CDX APA (32/16) 8d @ 6" EDGE, 12" FIELD

FLOOR - 3/4" T&G CDX APA (32/16) 10d @ 6" EDGE, 10" FIELD

NOTE: ALL GRADE MARKS ON PLYWOOD SHEATHING AND LUMBER SHALL BE LEGIBLE. USE OSB SHEATHING AS ALTERNATE.

FLOOR JOIST:

TRUSS JOIST (TJ) - JOIST ARE TO BE THE SIZE SHOWN ON PLANS, AND TO BE MANUFACTURED BY TRUSS JOIST CORP. OR APPROVED EQUAL.

TIMBERSTRAND:

TIMBERSTRAND (LSL) MEMBERS ARE TO BE THE SIZE SHOWN ON PLANS AND TO BE MANUFACTURED BY TRUSS JOIST CORP. OR APPROVED EQUAL.

MICROLAM BEAMS:

MICROLAM (ML OR LVL) BEAMS ARE TO BE THE SIZE SHOWN ON PLANS, AND TO BE MANUFACTURED BY TRUSS JOIST CORP. OR APPROVED EQUAL. MICROLAM BEAMS SHALL HAVE THE FOLLOWING ALLOWABLE DESIGN STRESSES: E = 1,800,000 PSI, Fb = 2,600 PSI, Fv = 285 PSI

PARALLAM BEAMS:

PARALLAM (PLM) BEAMS ARE TO BE THE SIZE SHOWN ON PLANS, AND TO BE MANUFACTURED BY TRUSS JOIST CORP. OR APPROVED EQUAL. PARALLAM BEAMS SHALL HAVE THE FOLLOWING ALLOWABLE DESIGN STRESSES: E = 2,000,000 PSI, Fb = 2,900 PSI, Fv = 290 PSI

GLB NOTES:

1. ALL FABRICATION AND WORKMANSHIP SHALL CONFORM TO THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR STRUCTURAL GLUED LAMINATED DOUGLAS FIR (GLULAM) SET FORTH BY THE WEST COAST LUMBER MAN'S ASSOCIATION AND THE CURRENT EDITION OF TIMBER CONSTRUCTION.

2. ALL GLUED LAMINATED MEMBERS SHALL BE DOUGLAS FIR, COMBINATION 24F-V4 (U.N.O.) OR 24F-V8 WITH WATERPROOF RESORCINOL OR PHENOL RESORCINOL GLUE CONFORMING TO THE FEDERAL SPECIFICATIONS ML-A-397. USE 24F-V8 AT CANTILEVER CONDITION).

3. FINISH OF THE MEMBERS SHALL BE INDUSTRIAL APPEARANCE GRADE IN CONFORMANCE WITH THE STANDARD APPEARANCE GRADES OF THE A.I.T.C.

4. A CERTIFICATE OF INSPECTION FOR EACH GLU-LAM BEAM FROM AN APPROVED TESTING AGENCY SHALL BE SUBMITTED TO AND APPROVED BY THE LOCAL BUILDING DEPT. AND BY THE ENGINEER PRIOR TO ERECTION.

STEEL WELDING:

WIDE FLANGE COLUMNS BEAMS & TEES	ASTM A992 (Fy=50 KSI)
CHANNELS, PLATES AND ANGLES	ASTM A36 (Fy=36 KSI)
PIPE STEEL	ASTM A501 (Fy=36 KSI) OR ASTM A53 TYPE E OR S, GRADE B (Fy=35 KSI)
TUBULAR STEEL	ASTM A500 GRADE B (Fy=46 KSI)
BOLTS	ASTM F1552 TYPE 1 OR ASTM A325

1. ALL CONNECTION AND ANCHOR BOLTS SHALL BE A307 STEEL.

2. ALL WELDING SHALL BE ELECTRIC ARC PER AWS D1.1, WITH E70XX

3. ALL SHOP WELDING TO BE DONE IN AN APPROVED FABRICATOR'S SHOP.

4. ALL FIELD WELDING TO HAVE SPECIAL INSPECTION.

5. PAINTING OF STRUCTURAL STEEL SHALL COMPLY WITH THE REQUIREMENTS CONTAINED IN THE LATEST AISC PROVISION.

CONCRETE BLOCK:

1. ALL CONCRETE BLOCKS SHALL BE TYPE N OR S M Fm' = 1500 PSI MIN., WITH NO SPECIAL INSPECTION REQUIRED. ALL BLOCK WALLS SHALL BE GROUTED SOLID (U.N.O.), AND SHALL CONFORM TO ACI REPORT #67-23.

2. GROUT SHALL ATTAIN A MIN. COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS.

3. WALLS SHALL BE GROUTED IN 4' MAXIMUM LIFTS, WITHOUT CLEANOUTS.

ANCHOR AND HOLD-DOWN BOLTS:

1. ANCHOR BOLTS SHALL BE AS A MINIMUM: 5/8" DIA. x 12" LONG, SPACED AT 6" O.C. THEY SHALL HAVE A MINIMUM EMBEDMENT OF 7" INTO THE CONCRETE, AND BE CONFIGURED WITH A STANDARD HOOK OR "J" AT THE EMBEDDED END. A MINIMUM OF TWO ANCHOR BOLTS SHALL BE PLACED PER SILL PIECE, 12" MAX OR 7 BOLT DIAMETER MIN. AT EACH END. ALL ANCHOR BOLTS TO BE A307 STEEL, GRADE "A", HOT DIPPED GALVANIZED UNLESS OTHERWISE NOTED. A 3"x3"x1/4" THICK PLATE WASHER SHALL BE INSTALLED UNDER EACH ANCHOR BOLT HEAD.

2. HOLD-DOWN ANCHORS SHALL BE INSTALLED PER SHEARWALL SCHEDULES AS SHOWN ON THE PLANS. FOR EXISTING FOUNDATIONS, OR REVISIONS REQUIRING ANCHORS TO BE INSERTED, ADHESIVE ANCHORS SUCH AS SIMPSON 'SET-3G' EPOXY OR APPROVED EQUIVALENT, SHALL BE USED AND INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S SPECIFICATIONS. SEE PLANS AND DETAILS FOR REQUIRED SIZE AND DEPTH OF EMBEDMENT.

3. SPECIAL INSPECTION REQUIRED FOR ALL ADHESIVE HOLD-DOWN ANCHORS.

EPOXY AND ANCHORS (ICC ESR-4057)

1. EPOXY GROUT USED FOR THE SETTING OR DEFORMED REINFORCING BARS SHALL BE SIMPSON 'SET-3G' EPOXY SURFACE OF EXISTING CONCRETE SHALL BE FREE FROM DUST OR DEBRIS PRIOR TO INJECTION EPOXY PRODUCT TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

2. EPOXY USED FOR THE SETTING OF ALL THREE ROD BOLTS SHALL BE SIMPSON 'SET-3G' EPOXY. EPOXY SHALL BE INSTALLED W/ MANUFACTURER'S RECOMMENDATIONS AND PROVIDE SPECIAL INSPECTION BY CERTIFIED TESTING AGENCY.

CORROSION PROTECTION NOTE:

FASTENERS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE-RETARDANT TREATED WOOD SHALL BE OF HOT-DIPPED ZINC COATED GALVANIZED, STAINLESS STEEL, SILICON BRONZE OR COPPER.

USE PRESSURE TREATED WOOD, CEDAR, REDWOOD OR EQUIVALENT AT WOOD FRAMING EXPOSED TO ELEMENTS. USE HOT DIPPED GALVANIZED CONNECTORS AND HARDWARES.

SHOP DRAWINGS:

SHOP DRAWINGS ARE AN AID FOR FIELD PLACEMENT AND ARE SUPERSEDED BY THE STRUCTURAL DRAWINGS. ANY REVIEW OF SHOP DRAWINGS BY THIS OFFICE IS ONLY FOR GENERAL CONFORMANCE TO THE STRUCTURAL REQUIREMENTS & IN NO WAY GUARANTEES THE ACCURACY OR COMPLETENESS OF INFORMATION THEREON. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSURE ALL CONSTRUCTION IS IN FULL COMPLIANCE WITH THE LATEST SET OF STRUCTURAL DRAWINGS.

CBC TABLE 2304.10.2 FASTENING SCHEDULE NOTES

a. Common or non nails are permitted to be used except where otherwise stated.

b. Nails spaced at 8 inches on center at edges, 12 inches at intermediate supports except 6 inches at supports where spans are 48 inches or more. For nailing of panel and particle board diaphragms and shear walls, refer to Section 2305. Nails for wall sheathing are permitted to be common, box or casing.

c. Common or deformed shank (8d - 2" x 0.113", 8d - 2 1/2" x 0.131", 10d - 3" x 0.148").

d. Common (8d - 2" x 0.113", 8d - 2 1/2" x 0.131", 10d - 3" x 0.148").

e. Deformed shank (8d - 2" x 0.113", 8d - 2 1/2" x 0.131", 10d - 3" x 0.148").

f. Corrosion-resistant siding (8d - 2" x 0.106", 8d - 2 1/2" x 0.128") or casing (8d - 2" x 0.099", 8d - 2 1/2" x 0.113") nail.

g. Fasteners shown on edges and 6 inches on center at intermediate supports, when used as structural sheathing. Spacing shall be 8 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications.

h. Corrosion-resistant roofing nails with 7/8-inch-diameter head and 1 1/2-inch length for 3/4-inch sheathing and 1 3/4-inch length for 1/2-inch sheathing. Panel supports at 16 inches (20 inches if strength axis is in the long direction of the panel, unless otherwise marked).

i. Casing (1/2" x 0.080") or finish (1/2" x 0.072") nails spaced 6 inches on panel edges, 12" at intermediate supports.

k. Panel supports at 24 inches. Casing or finish nails spaced 6 inches on panel edges, 12" at intermediate supports.

l. For roof sheathing applications, 8d nails (2 1/2" x 0.113") are the minimum required for intermediate panels.

m. Staples shall have a minimum crown width of 7/8 inch.

n. For roof sheathing applications, fasteners spaced 4 inches on center at edges, 8 inches at intermediate supports.

o. Fasteners spaced 8 inches on center at edges, 8 inches at intermediate supports for roof sheathing, and 4 inches on center at edges, 8 inches at intermediate supports.

p. Fasteners spaced 4 inches on center at edges, 8 inches at intermediate supports.

ABBREVIATIONS

A.B.	ANCHOR BOLT	H.F.	HEM FIR	PLF	POUNDS PER SQ. INCH
A.B.V.	ABOVE BOARD	H.R.	HANGER	P.L.	POUNDS PER SQ. INCH
B.D.	BEAM	H.R.	HEADER	P.S.I.	POUNDS PER SQ. INCH
B.M.	BEAM	H.D.	HOLD-DOWN	P.S.F.	POUNDS PER SQ. FOOT
B.W.	BELOW BOARD	H.O.	HORIZONTAL	P.S.L.	PARALLAM STRAND
B.L.K.	BLOCK	H.D.G.	HOT DIPPED GALVANIZED	LUMBER	LUMBER
B.L.K.G.	BLOCKING	I.C.B.O.	INT. CONF. OF BLDG. OFFICIALS	P.T.	PRESSURE TREATED DOUGLAS FIR
B.N.	BOUNDARY NAILING	INT.	INTERIOR	P.T.D.F.	PRESSURE TREATED DOUGLAS FIR
C.B.C.	CALIFORNIA BLDG. CODE	J.S.T.	JOIST	R.E.B.A.R.	REINFORCED REINFORCING BAR
C.L.G.	CEILING	L.V.L.	LAMINATED VENEER LUMBER	S.A.D.	SEE ARCHITECTURAL DRAWINGS
C.B.	CEILING BEAM ON CENTER	L.S.	LAG SCREW	S.W.S.	SHEAR WALL SCHEDULE
C.O.L.	COLUMN	L.V.	LIVE LOAD	S.H.T.	SHEET
C.O.N.C.	CONCRETE	L.V.L.	LIVE LOAD	S.P.E.C.S.	SPECIFICATIONS
C.O.N.T.	CONTINUOUS	K.B.	KICK BRACE	S.T.D.	STANDARD
D.L.	DEAD LOAD	K.P.	KING POST	S.T.L.	STEEL
D.F.	DOUGLAS FIR	M.A.	MAST ABOVE	S.T.L.	STEEL
D.S.	DOUBLE STUD	M.F.R.	MACHINE BOLT	S.T.L.	STEEL
E.A.	EACH	M.F.R.	MACHINE BOLT	T.S.	TYPICAL
(E)	EXISTING	M.F.R.	MACHINE BOLT	T.B.	TOP & BOTTOM
E.N.	EDGE NAILING	M.F.R.	MACHINE BOLT	T.L.	TOTAL LOAD
E.X.T.	EXTERIOR	M.F.R.	MACHINE BOLT	T.P.	TYPICAL
F.O.B.	FACE OF STUD	M.F.R.	MACHINE BOLT	U.B.C.	UNIFORM BUILDING CODE
F.O.C.	FACE OF CONCRETE	M.F.R.	MACHINE BOLT	U.N.O.	UNLESS OTHERWISE NOTED
F.N.	FINISH	M.F.R.	MACHINE BOLT	U.N.O.	UNLESS OTHERWISE NOTED
F.N.H.S.	FINISH HEAD WOOD SCREW	M.F.R.	MACHINE BOLT	U.N.O.	UNLESS OTHERWISE NOTED
F.L.R.	FLOOR	M.F.R.	MACHINE BOLT	U.N.O.	UNLESS OTHERWISE NOTED
F.C.B.	FLOOR BRUSH BLOCK BM	M.F.R.	MACHINE BOLT	U.N.O.	UNLESS OTHERWISE NOTED
F.T.G.	FOOTING	M.F.R.	MACHINE BOLT	U.N.O.	UNLESS OTHERWISE NOTED
G.V.P.	GLUED PRESSURE LAMINATED BEAM	M.F.R.	MACHINE BOLT	U.N.O.	UNLESS OTHERWISE NOTED
G.L.B.	GLUED PRESSURE LAMINATED BEAM	M.F.R.	MACHINE BOLT	U.N.O.	UNLESS OTHERWISE NOTED

TYPICAL HANGER SCHEDULE JOISTS & BEAMS, U.N.O.

JOISTS/BEAM	HANGER *
3/2" x 5/2" LSL, (2) 5/2" LVL OR 4x6	HGUS46
3/2" x 7/2" LSL, (2) 7/2" LVL OR 4x6	HGUS48
3/2" x 9/2" LSL, (2) 9/2" LVL OR 4x10	HGUS410
3/2" x 1 1/4" LSL, (2) 1 1/4" LVL OR 4x12	HGUS412
3/2" x 1 1/2" LSL, (2) 1 1/2" LVL OR 4x12	HGUS412
3/2" x 1 3/4" LSL, (2) 1 3/4" LVL OR 4x12	HGUS412
3/2" x 1 7/8" LSL, (2) 1 7/8" LVL OR 4x12	HGUS412
3/2" x 1 5/8" LSL, (2) 1 5/8" LVL OR 4x12	HGUS412
5/4" x 5/2" LSL, (3) 5/2" LVL OR 6x6	HU6
5/4" x 7/2" LSL, (3) 7/2" LVL OR 6x10	HGUS5.508
5/4" x 9/2" LSL, (3) 9/2" LVL OR 6x10	HGUS5.5010
5/4" x 1 1/4" LSL, (3) 1 1/4" LVL OR 6x12	HGUS5.5012
5/4" x 1 1/2" LSL, (3) 1 1/2" LVL OR 6x12	HGUS5.5012
5/4" x 1 3/4" LSL, (3) 1 3/4" LVL OR 6x12	HGUS5.5014
5/4" x 1 5/8" LSL, (3) 1 5/8" LVL OR 6x12	HGUS5.5014
7 x 9/2" LSL, (4) 9/2" LVL	HGUS7.2510
7 x 1 1/4" LSL, (4) 1 1/4" LVL	HGUS7.2512
7 x 1 1/2" LSL, (4) 1 1/2" LVL	HGUS7.2514
7 x 1 3/4" LSL, (4) 1 3/4" LVL	HGUS7.2514
7 x 1 5/8" LSL, (4) 1 5/8" LVL	HGUS7.2514
1 1/4" x 5/2" LVL	HU1.815
1 1/4" x 7/2" LVL	HU7
1 1/4" x 9/2" LVL	HU11
1 1/4" x 1 1/4" LVL	HU14
1 1/4" x 1 1/2" LVL	MU1.18116
1 1/4" x 1 3/4" LVL	IUS, ITT
9/2" - 16 TJI FLOOR JOISTS	HGUS
3/2" - 6% WIDE GLULAM BEAM	HGUS

* USE HUC CONCEALED HANGER AT CORNER CONDITIONS WHERE REQUIRED

GENERAL FRAMING AND CARPENTRY

01. RAFTERS SHALL BE FRAMED DIRECTLY OPPOSITE EACH OTHER RIDGES, VALLEYS AND HIPS. ALL RIDGE BOARDS, MIN VALLEY AND HIP RAFTERS SHALL BE AT LEAST 2 IN. THICK (NOMINAL), IN NO CASE SHALL THE DEPTH BE LESS THAN THE CUT OF THE END OF THE RAFTER (U.N.O.)

02. WHERE APPLICABLE, RAFTERS SHALL BE NAILED TO ADJACENT PARALLEL CLG ST TO FORM A CONTINUOUS TIE BETWEEN EXTERIOR WALLS (U.N.O.), WHERE CLG ST ARE NOT PARALLEL, RAFTERS SHALL BE TIED BY A 1 x 4 (MIN.) CROSS TIE. THE JOIST TIES SHALL BE SPACED NOT MORE THAN 4'-0" O.C.

03. UNLESS SUPPORTED LATERALLY BY ADEQUATE FRAMING, THE MAXIMUM ALLOWABLE HEIGHT SHALL BE 10'-0" FOR 2 X 4 AND 16'-0" FOR 3 X 4 STUD AND OR 2 X 6 STUD WALL (U.N.O.).

04. JOISTS SHALL BE SUPPORTED LATERALLY BY SOLID BLOCKING OR HANGERS AT EACH END AND AT EACH SUPPORT. SOLID BLOCKING SHALL NOT BE LESS THAN 2" THICK (NOMINAL) AND THE FULL DEPTH OF THE JOISTS.

05. THE ENDS OF JOISTS, BEAMS, AND GIRDERS SHALL HAVE AT LEAST 1 1/2" OF BEARING ON WOOD OR METAL AND 3" OF BEARING ON CONCRETE OF MASONRY (U.N.O.).

06. WHEN BOLTS ARE IN USE A WASHER NOT LESS THAN A STANDARD CUT WASHER OR A METAL PLATE OR STRAP IN LIEU THEREOF, SHALL BE BETWEEN THE WOOD AND THE BOLT HEAD AND BETWEEN THE WOOD AND THE NUT.

07. MACHINE BOLTS AND ANCHOR BOLTS SHALL CONFORM TO ASTM A307 (U.N.O.)

08. WOOD JOISTS AND FLOORS CLOSER THAN 18" OR WOOD GIRDERS AND SUPPORTS CLOSER THAN 12" TO THE GROUND SHALL BE PRESSURE TREATED WOOD

09. CONTRACTOR SHALL SUBMIT A CERTIFICATION OF CONFORMANCE FOR ALL GLUED-LAMINATED BEAMS TO BUILDING INSPECTION DEPT., PRIOR TO ERECTION.

10. PURLS SHALL BE 2 X 6 OR THE SAME SIZE AS RAFTERS, WHICHEVER IS GREATER, (U.N.O.)

11. ALL WOOD BEARING ON CONCRETE OR MASONRY SHALL BE PRESSURE TREATED DOUGLAS FIR.

12. ALL METAL CONNECTORS SHALL BE SIMPSON STRONG-TIE CONNECTORS. THE NAILS FOR THESE CONNECTORS SHALL BE JOIST HANGER NAILS AS MANUFACTURED BY THE SIMPSON CO.

13. PROVIDE FIRE STOPS AT ALL INTERSECTIONS OF STUD WALLS AT FLOOR, CEILING AND ROOF. FIRE STOPS SHALL BE 2x NOMINAL THICKNESS OF WOOD AND SHALL BE THE FULL WIDTH OF THE ENCLOSED SPACE. PLACE FIRE STOPS AT A MAXIMUM SPACING OF 10'-0" IN EACH DIRECTION AND AT THE SAME LINES AS FIRE STOPS IN ADJACENT STUD WALLS.

14. TOP PLATES OF ALL STUD WALLS SHALL BE 2 PIECES THE SAME STUD SIZES. SPLICES TO LAP 4'-0" MINIMUM AND BE NAILED PER THE DETAILS.

15. BOLT HOLES IN WOOD SHALL BE 1/32" TO 1/16" LARGER THAN THE NORMAL BOLT DIAMETER. ALL BOLTS SHALL HAVE STANDARD CUT WASHER UNDER HEAD AND NUT UNLESS NOTED OTHERWISE.

16. ALL BOLTS SHALL BE RETIGHTENED PRIOR TO THE APPLICATION OF SHEATHING PLASTER, ETC.

17. STRUCTURAL MEMBERS SHALL NOT BE CUT FOR PIPES, ETC. UNLESS SPECIFICALLY DETAILED.

18. PROVIDE 2x SOLID BLOCKING BETWEEN JOISTS AND RAFTERS AT ALL SUPPORTS. BLOCKING SHALL BE ONE PIECE AND THE FULL DEPTH OF THE JOIST RAFTER.

19. CROSS BRIDGING OR SOLID BLOCKING SHALL BE PROVIDED AT 8'-0" O.C. MAXIMUM FOR ALL FLOOR JOISTS MORE THAN 12" DEEP AND AT 10'-0" O.C. MAXIMUM FOR ALL RAFTERS MORE THAN 8" DEEP.

20. PROVIDE DOUBLE JOISTS UNDER WALLS PARALLEL TO FLOOR FRAMING AND BLOCKING UNDER WALLS PERPENDICULAR TO FLOOR FRAMING, UNLESS OTHERWISE NOTED.

21. ROOF SHEATHING: 1/2" CDX, SPAN RATING 32/16 STD. EXT. NAIL WITH 8d COMMON NAILS @ 6" O.C. EDGE, AND 12" O.C. FIELD. ALL ROOF SHEATHING UNBLOCKED, UNLESS NOTED OTHERWISE. PLYWOOD LONG EDGES TO BE PLACED PERPENDICULAR TO FRAMING (U.N.O.) MINIMUM DIMENSION SHALL BE 24". USE OSB SHEATHING AS ALTERNATE.

22. FLOOR SHEATHING: MIN. 3/4" CDX, T&G, OR BETTER; PANEL RATING 32/16 OR BETTER. STD. EXT. GLUE & NAIL FLOOR SHEATHING WITH 10d COMMON NAILS @ 6" O.C. EDGES, AND 12" O.C. FIELD. ALL FLOOR SHEATHING UNBLOCKED AND LONG EDGES PLACED PERPENDICULAR TO FRAMING, UNLESS OTHERWISE NOTED. MINIMUM DIMENSION SHALL BE 24". USE OSB SHEATHING AS ALTERNATE.

23. ALL NAILING SHALL BE AS SHOWN ON THE DRAWINGS. IF NOT SPECIFIED, THEN NAILING SHALL CONFORM TO THE LATEST BUILDING CODE. ALL NAILS SHALL BE COMMONS. IF POWER DRIVEN NAILS ARE TO BE USED, SUBMIT WIRE GAUGE, LENGTH AND HEAD DIAMETER FOR REVIEW. IF NOT EQUAL TO COMMON WIRE SPECIFICATIONS, PLYWOOD TO BE NAILED WITH RING-SHANKED NAILS.

24. FASTENERS, HANGERS, AND CONNECTIONS FOR FRAMING SHALL BE SIMPSON STRONG-TIE PRODUCTS, OR APPROVED EQUAL, UNLESS OTHERWISE NOTED ON THE DRAWINGS. INSTALL WITH FASTENERS RECOMMENDED BY THE MANUFACTURER PER THEIR INSTRUCTIONS.

25. ALL INTERIOR SHEATHING TO BE 1/2" GYPBOARD w/ 5d COOLER NAILS @ 7" O.C. OR EQUIVALENT STAPLES OR SEE ARCHITECTURAL REQUIREMENTS.

26. STRUCTURAL MEMBERS SHALL NOT BE NOTCHED OR CUT WITHOUT APPROVAL FROM THE ENGINEER, UNLESS OTHERWISE DEFINED ON THE PLANS.

27. WHERE TOP OR SOLE PLATES ARE CUT FOR PIPES, A METAL TIE OF 0.058 INCHES THICK AND 1.5 INCHES WIDE SHALL BE FASTENED ACROSS THE OPENINGS WITH 6-16d NAILS ON EACH SIDE TYP., U.N.O.

28. NEW FRAMING LUMBER SHALL HAVE 19% MAXIMUM MOISTURE CONTENT AT THE TIME OF INSTALLATION.

29. UNLESS NOTED OTHERWISE ON THE PLANS, THE FOLLOWING MINIMUM CONNECTIONS, WITH REGARDS TO PROPER FIT AND SIZE, SHALL APPLY TO STRUCTURAL MEMBERS:

MINIMUM FRAMING CONNECTORS, U.N.O.			
POST TO BEAM	SIMPSON PC OR EPC POST CAPS		
POST TO SILL PLATE	(2) SIMPSON A35 CLIPS		
POST TO FOUNDATION	SIMPSON PB POST BASES		
BEAM TO BEAM	SIMPSON HGUS HANGERS		
BEAM TO PLATE	SIMPSON LP2C CAP		
JOIST TO BEAM	SIMPSON U HANGERS		
2x RAFTERS	LRUZ OR U HGR (L-6'-0"), 3-16d (L-6'-0")		
2x FLOOR JOIST	U HGR		

CEILING JOIST SCHEDULE (CBC TABLE 2308.7.1)			
UNINHABITABLE ATTIC DL=5 psf, LL=10 psf	UNINHABITABLE ATTIC w/ LIMITED STORAGE: DL=10 psf, LL=20 psf		
SIZE & SPACING	JOIST SPAN	SIZE & SPACING	JOIST SPAN
2x6 AT 16" O.C.	17'-6" MAX	2x6 AT 16" O.C.	12'-6" MAX
2x8 AT 16" O.C.	23'-0" MAX	2x8 AT 16" O.C.	16'-0" MAX
2x10 AT 16" O.C.	26'-0" MAX	2x10 AT 16" O.C.	19'-6" MAX
2x6 AT 24" O.C.	14'-6" MAX	2x6 AT 12" O.C.	14'-6" MAX
2x8 AT 24" O.C.	18'-6" MAX	2x8 AT 12" O.C.	18'-6" MAX
2x10 AT 24" O.C.	22'-6" MAX	2x10 AT 12" O.C.	22'-6" MAX

FOUNDATION DESIGN CRITERIA

CBC/ CRC MINIMUM CODE REQUIREMENTS

MINIMUM EMBEDMENT = 12"

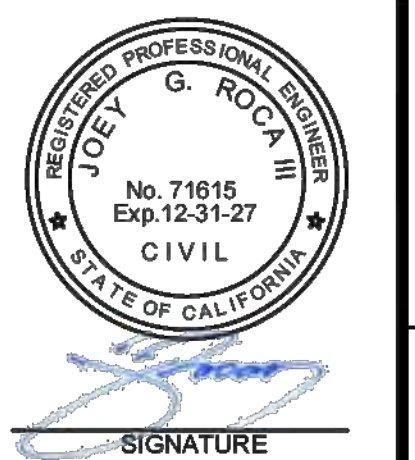
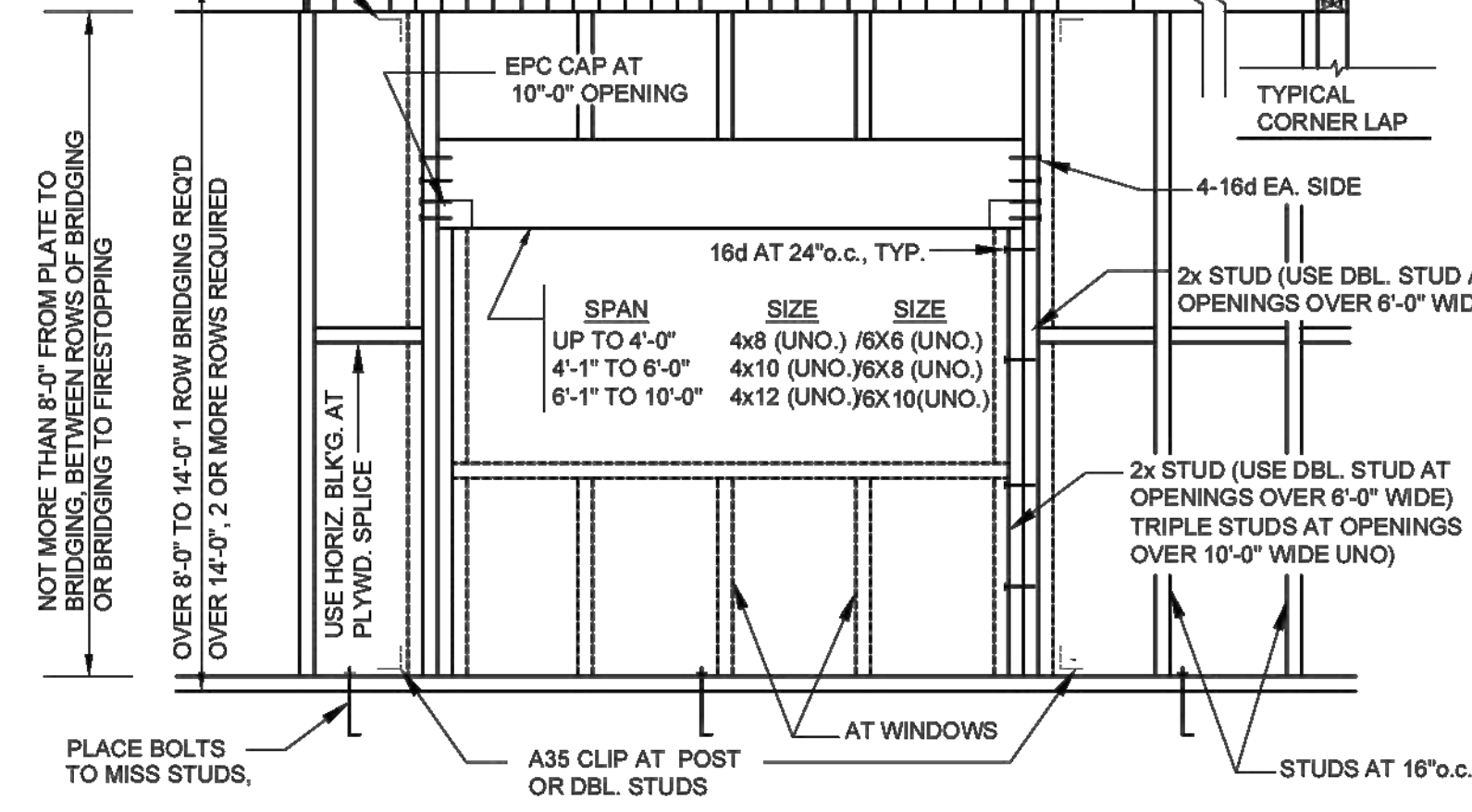
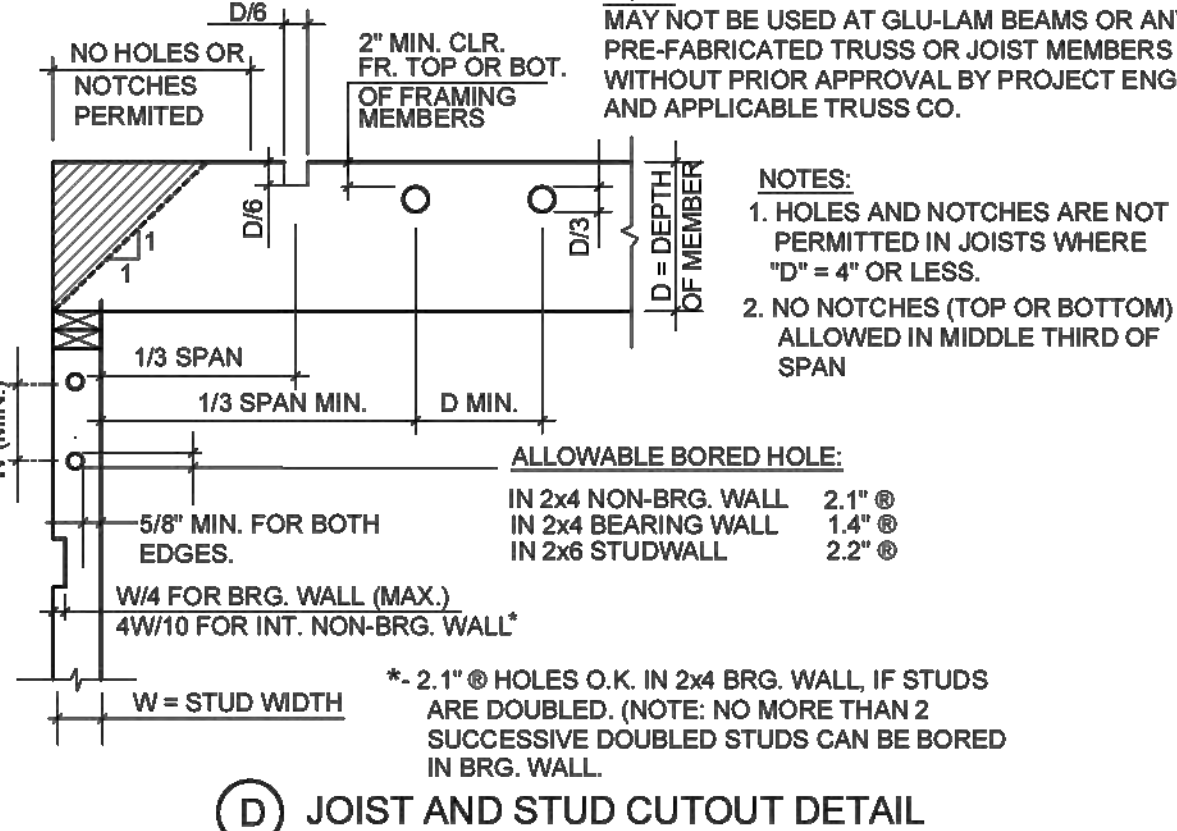
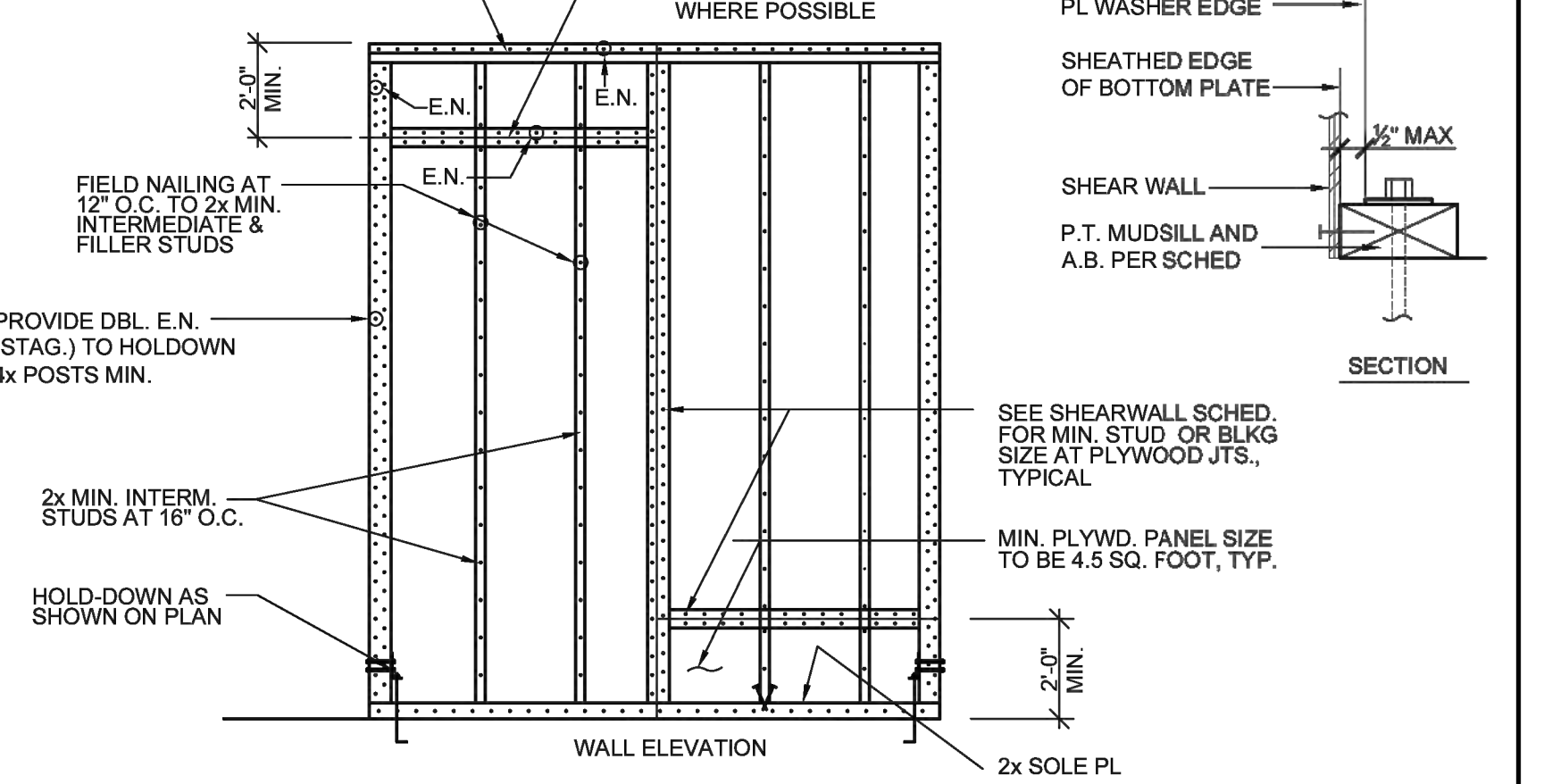
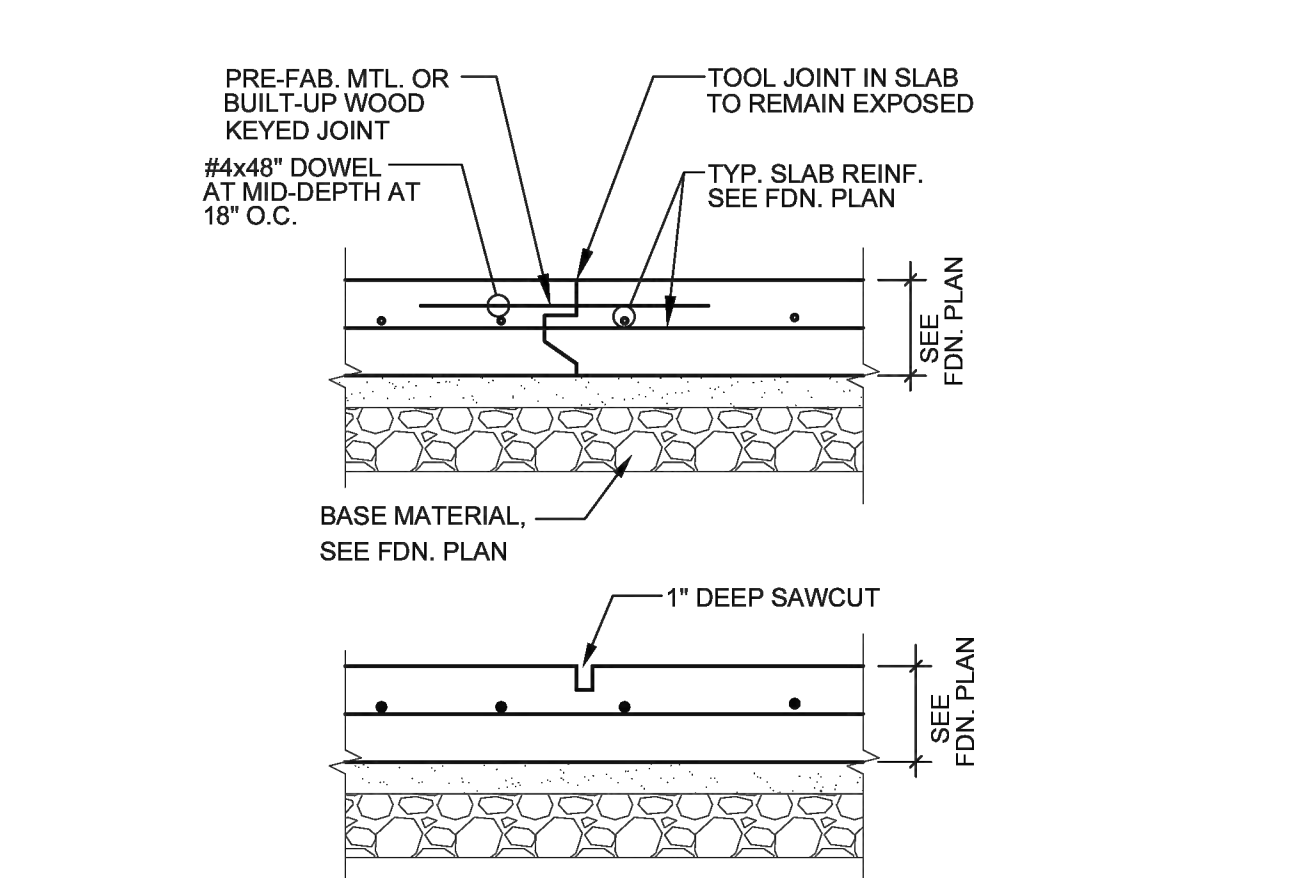
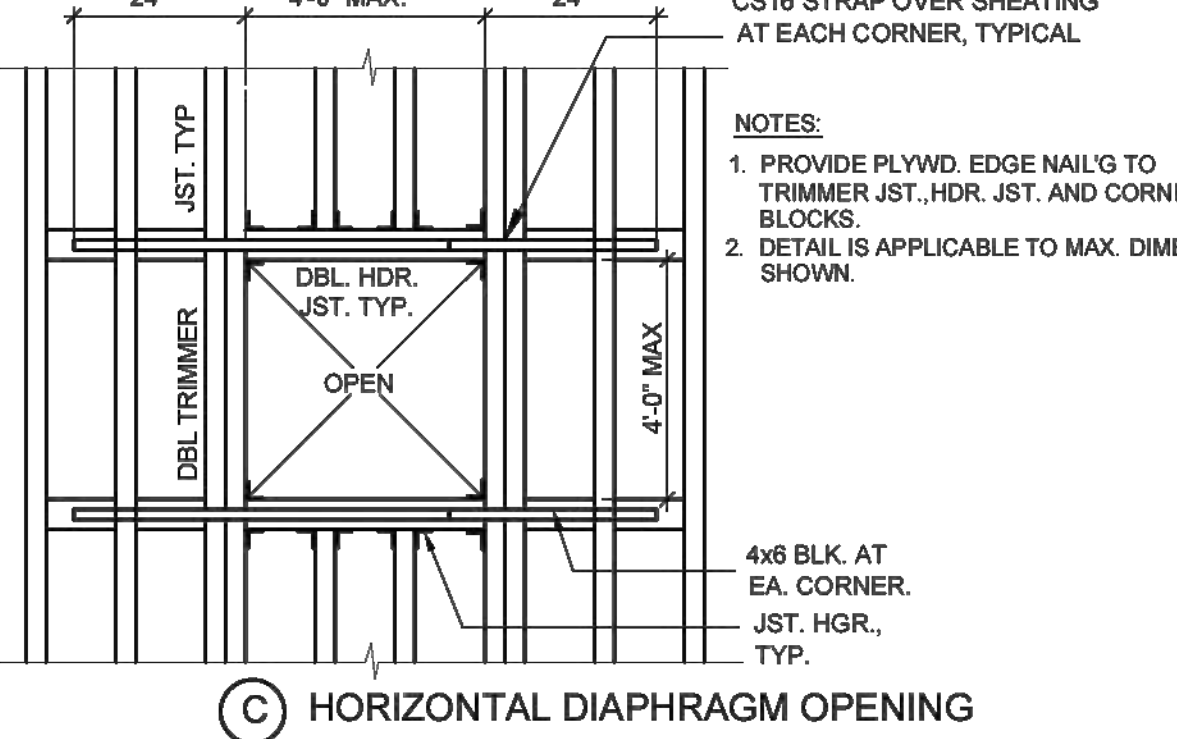
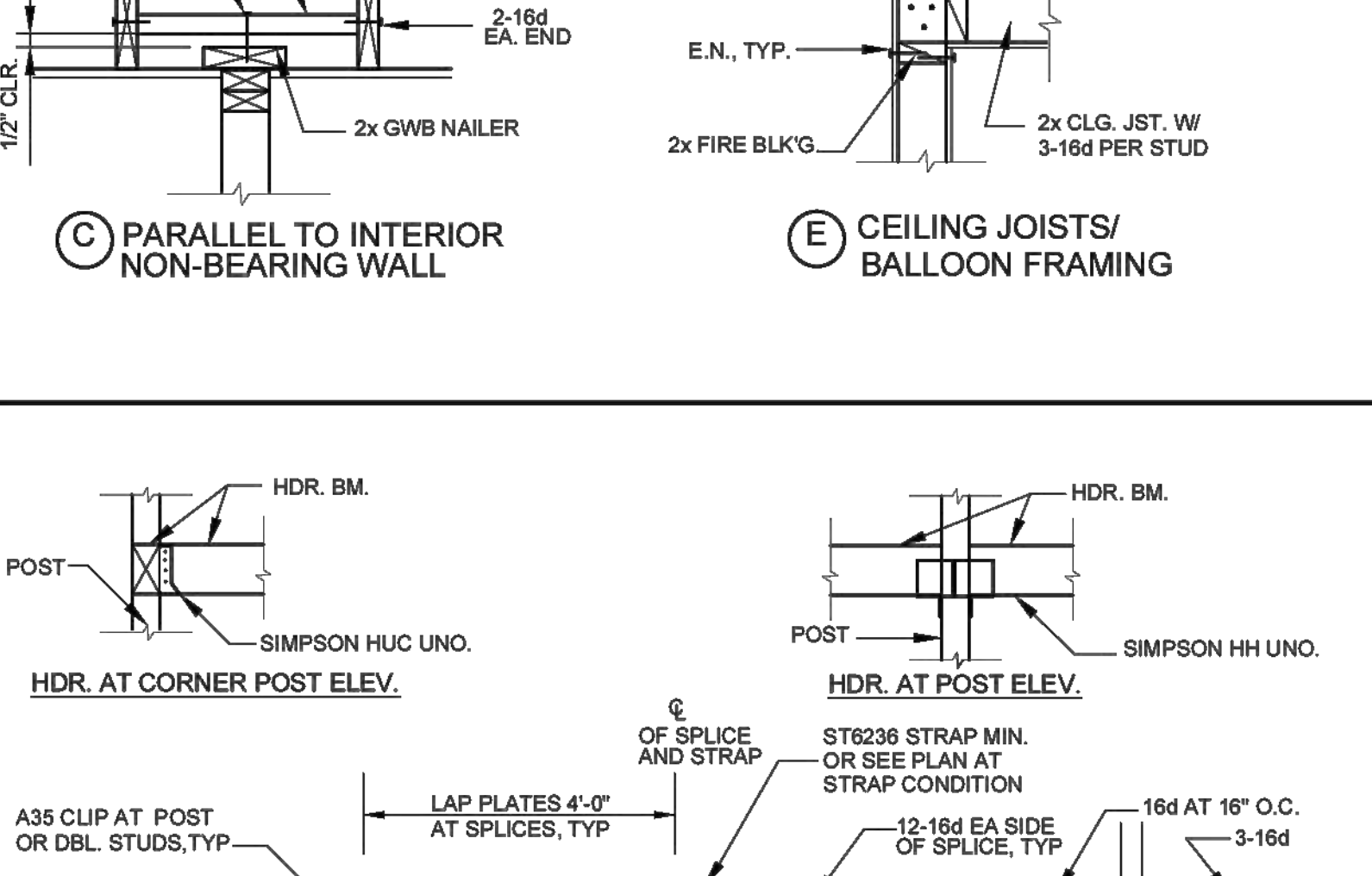
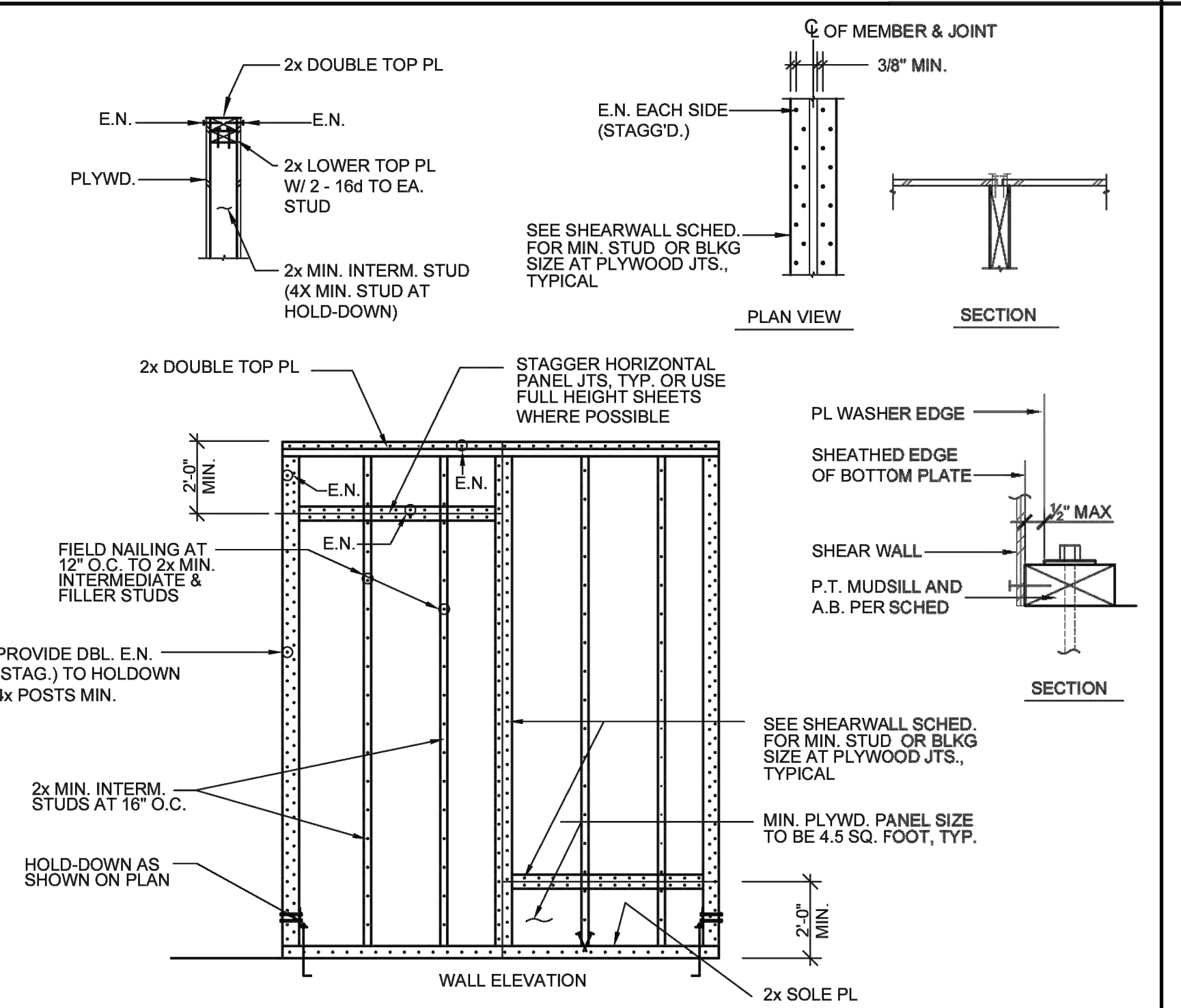
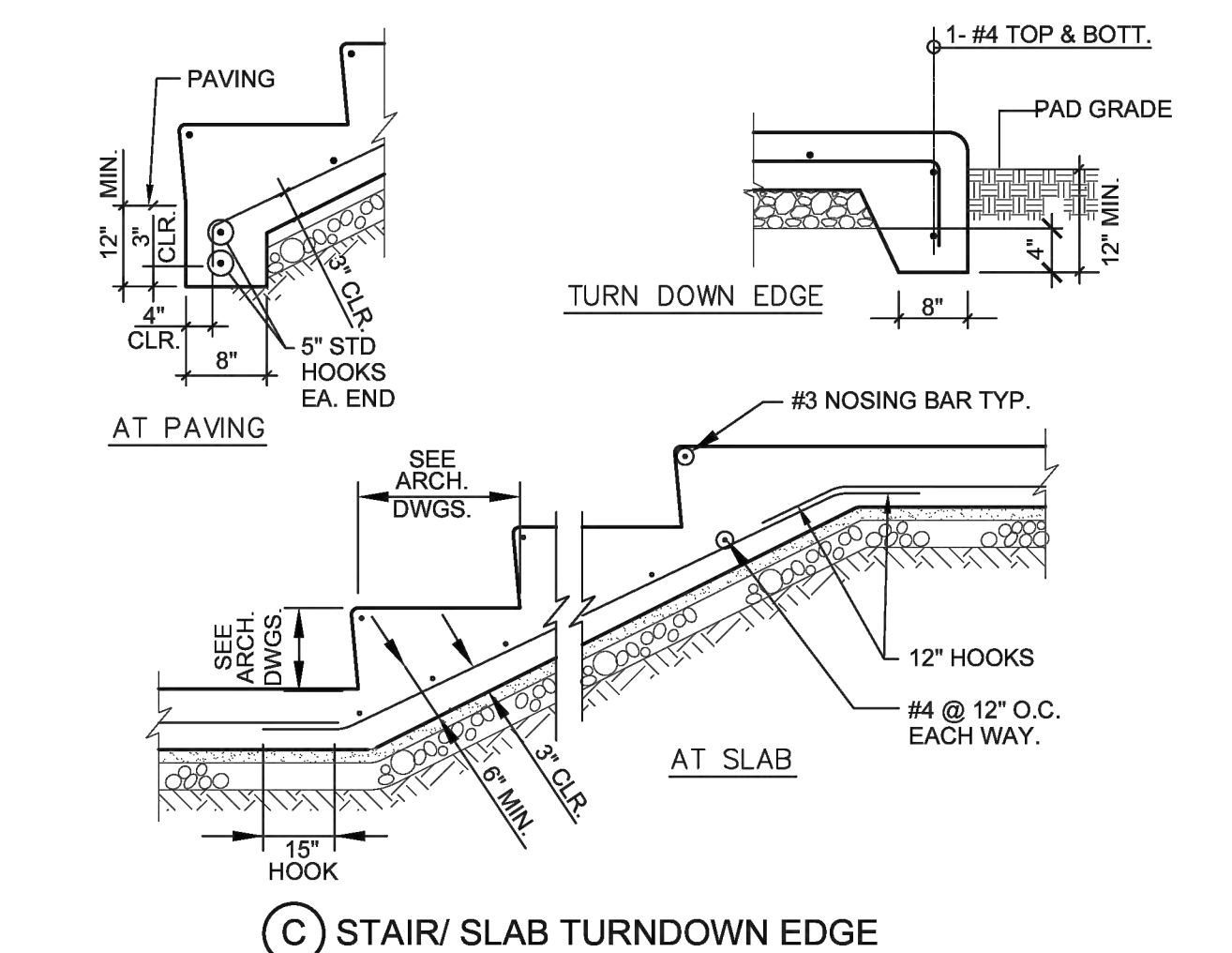
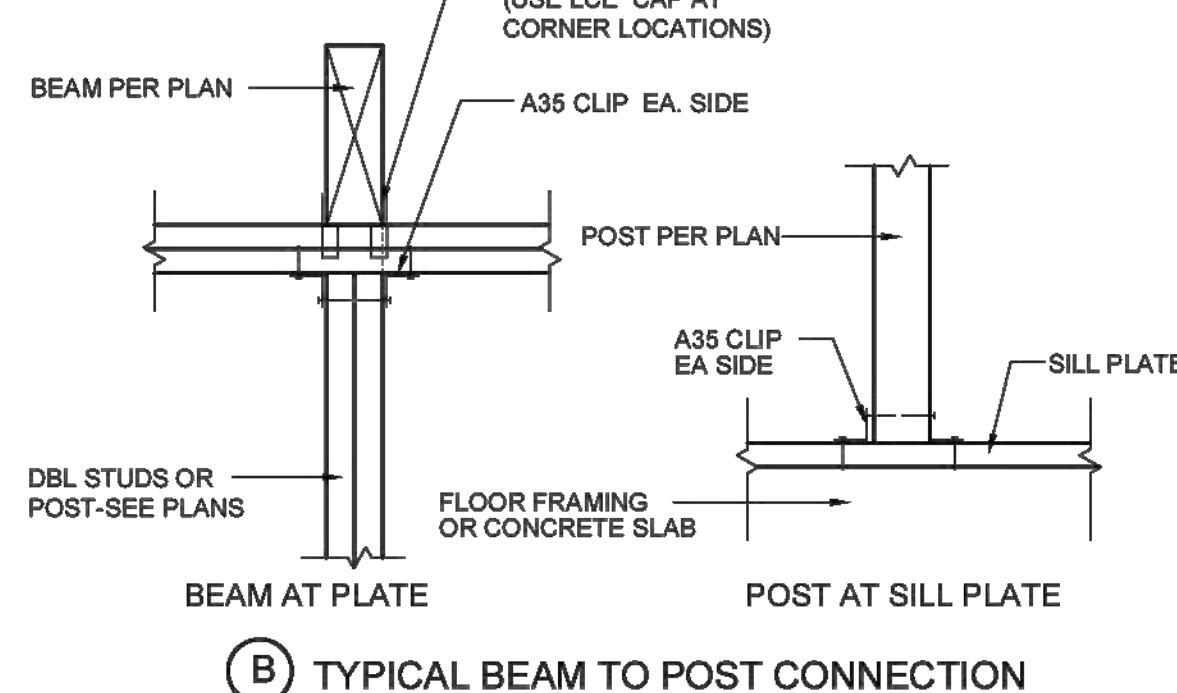
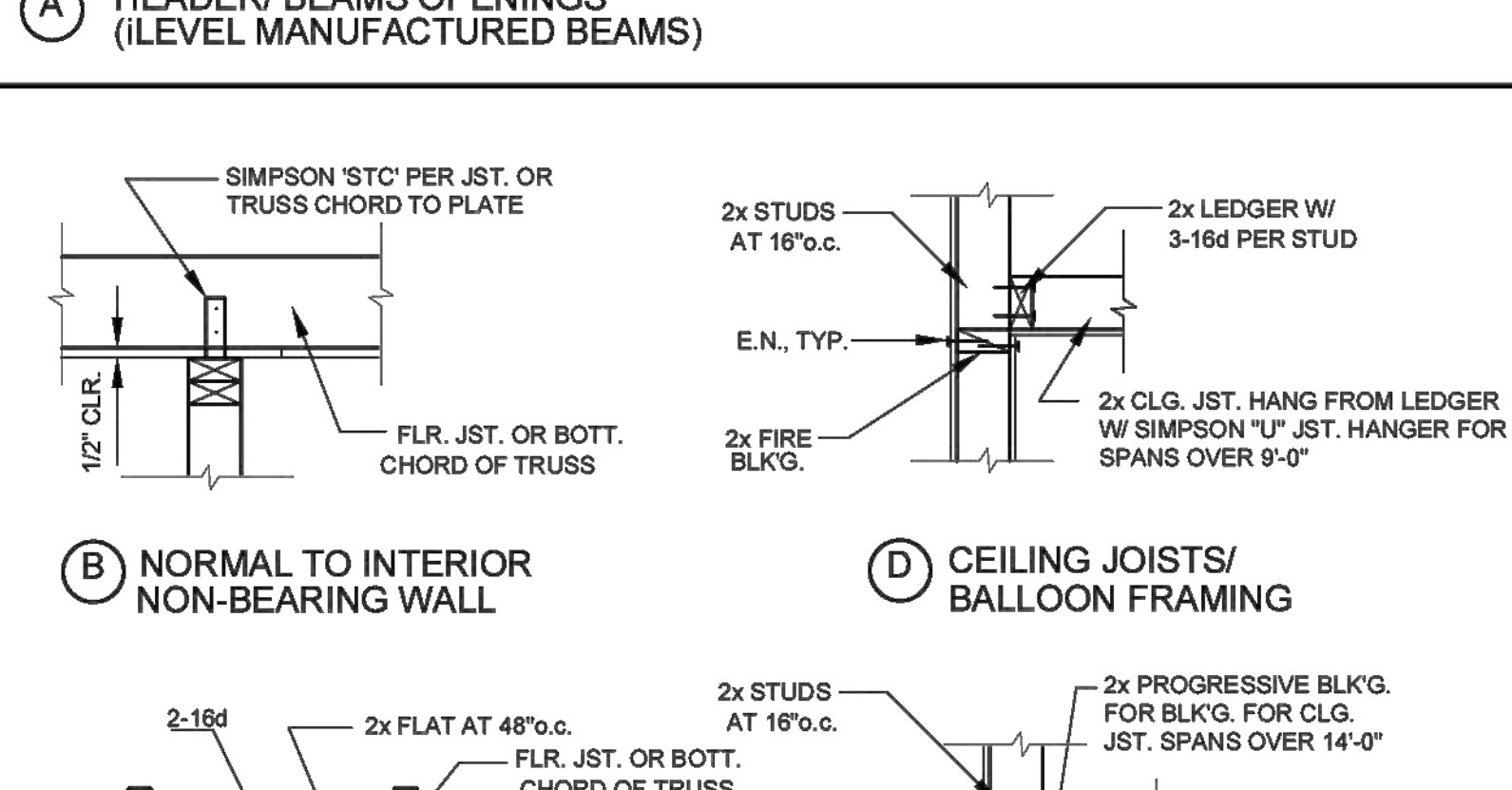
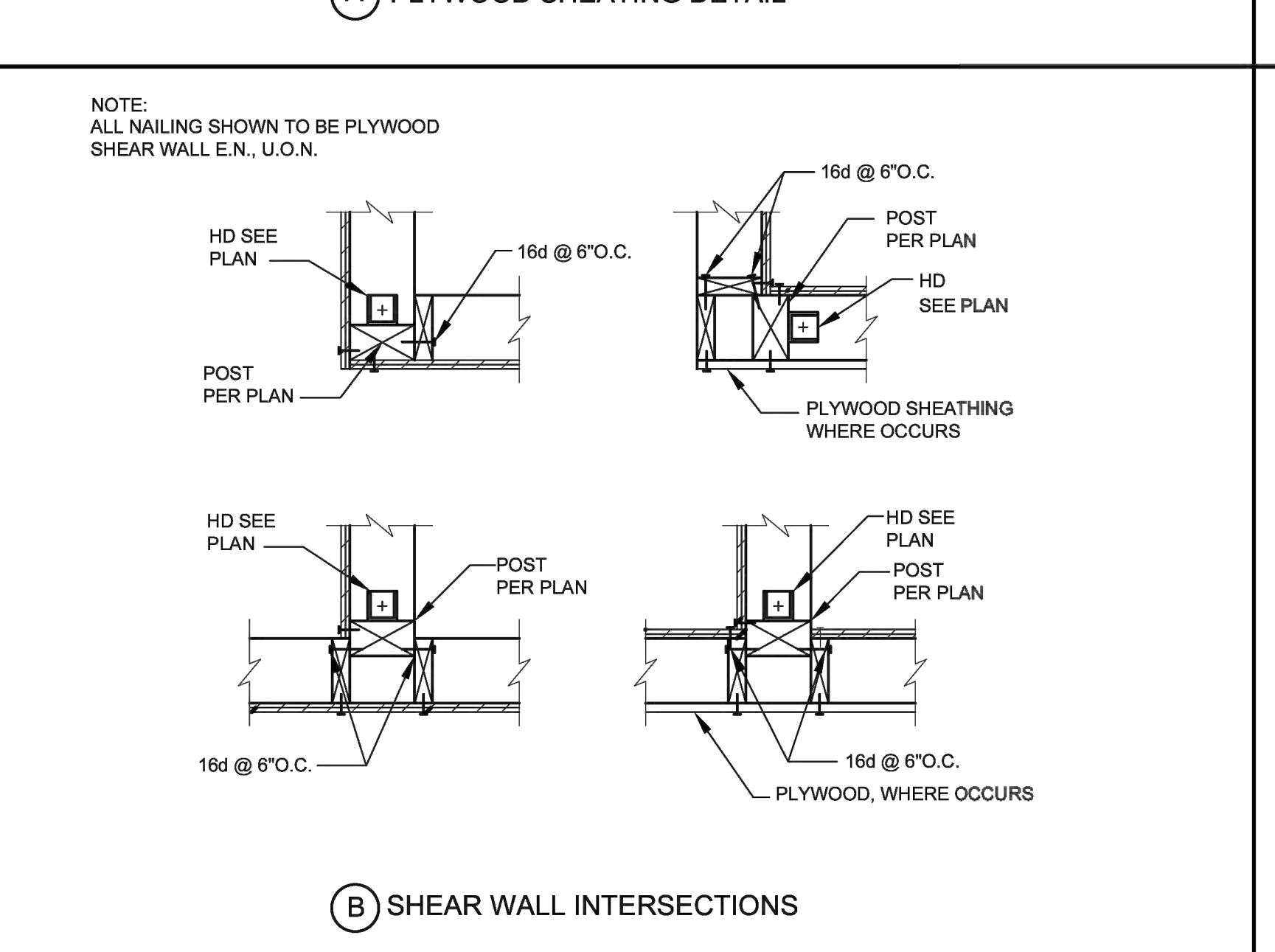
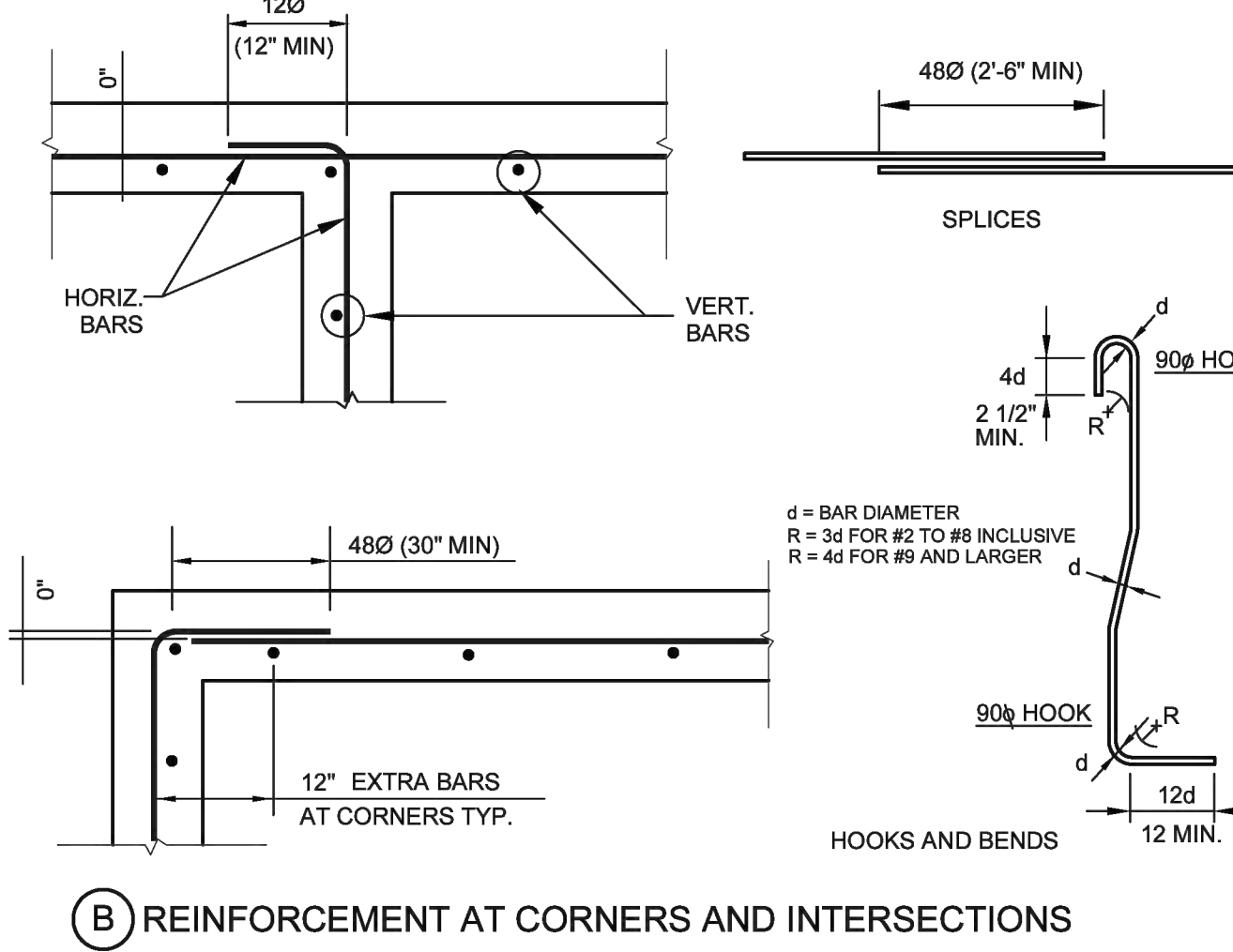
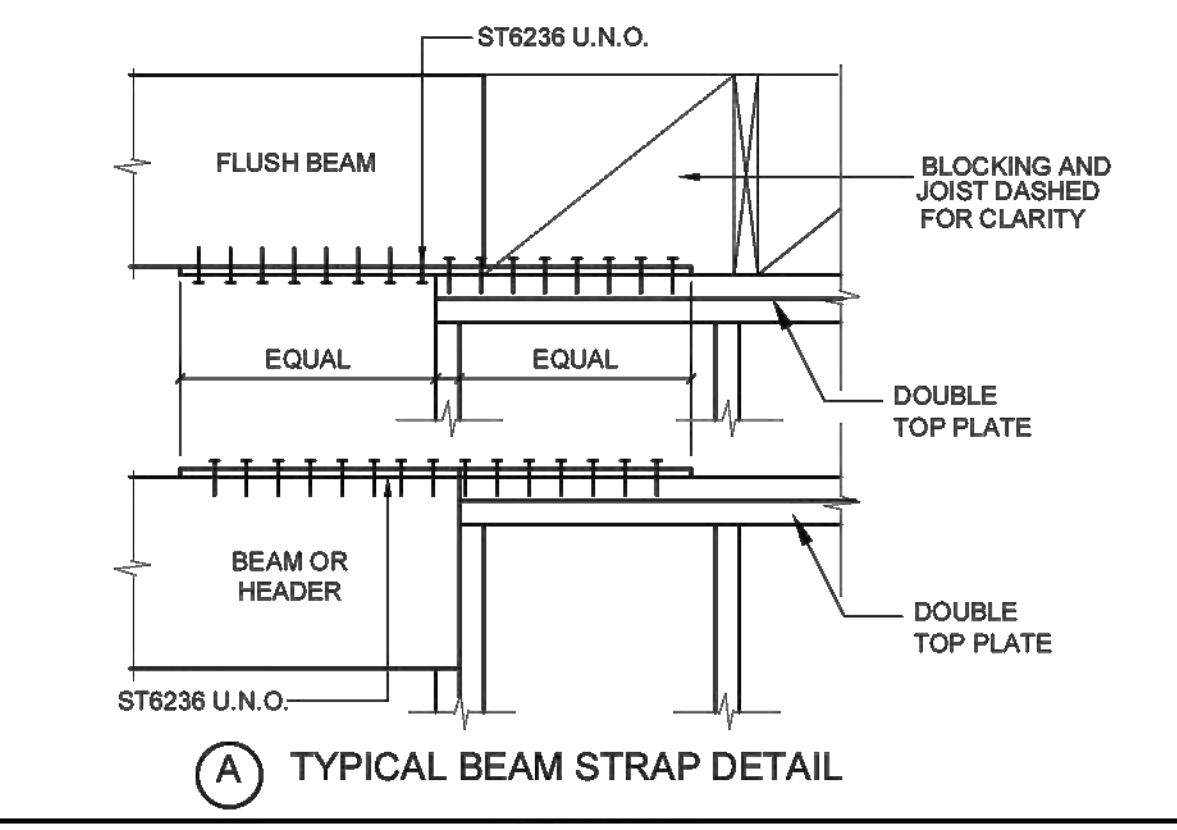
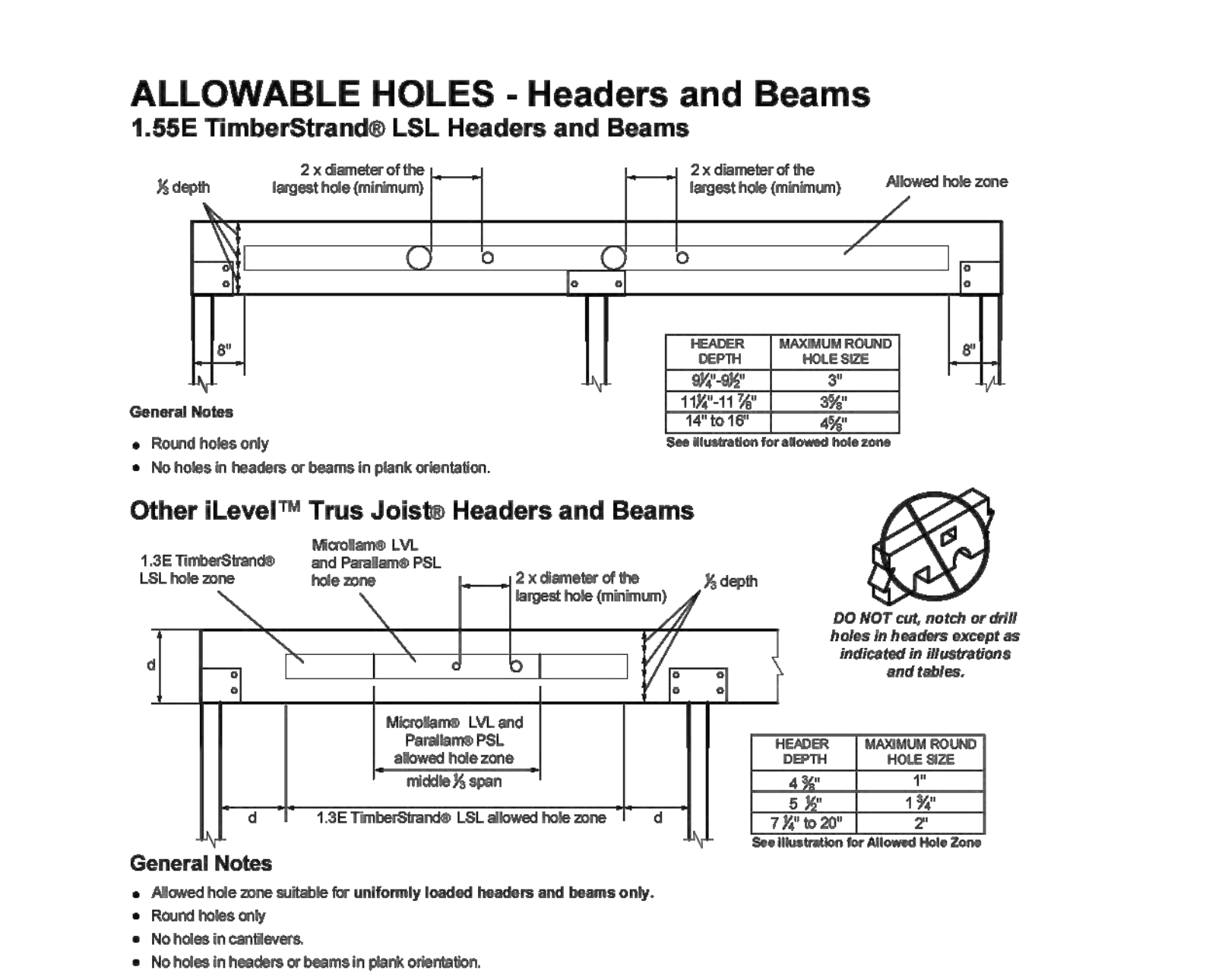
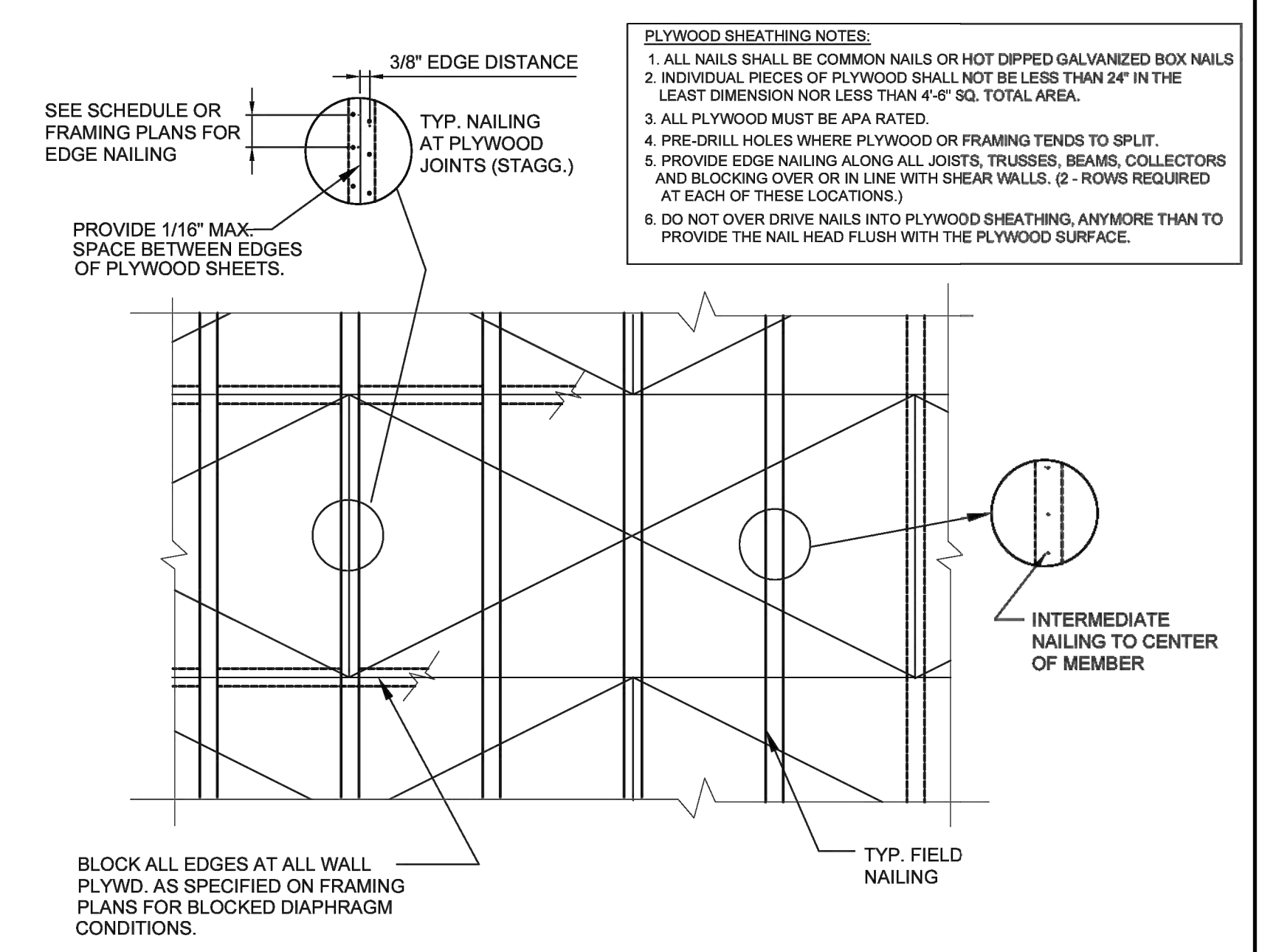
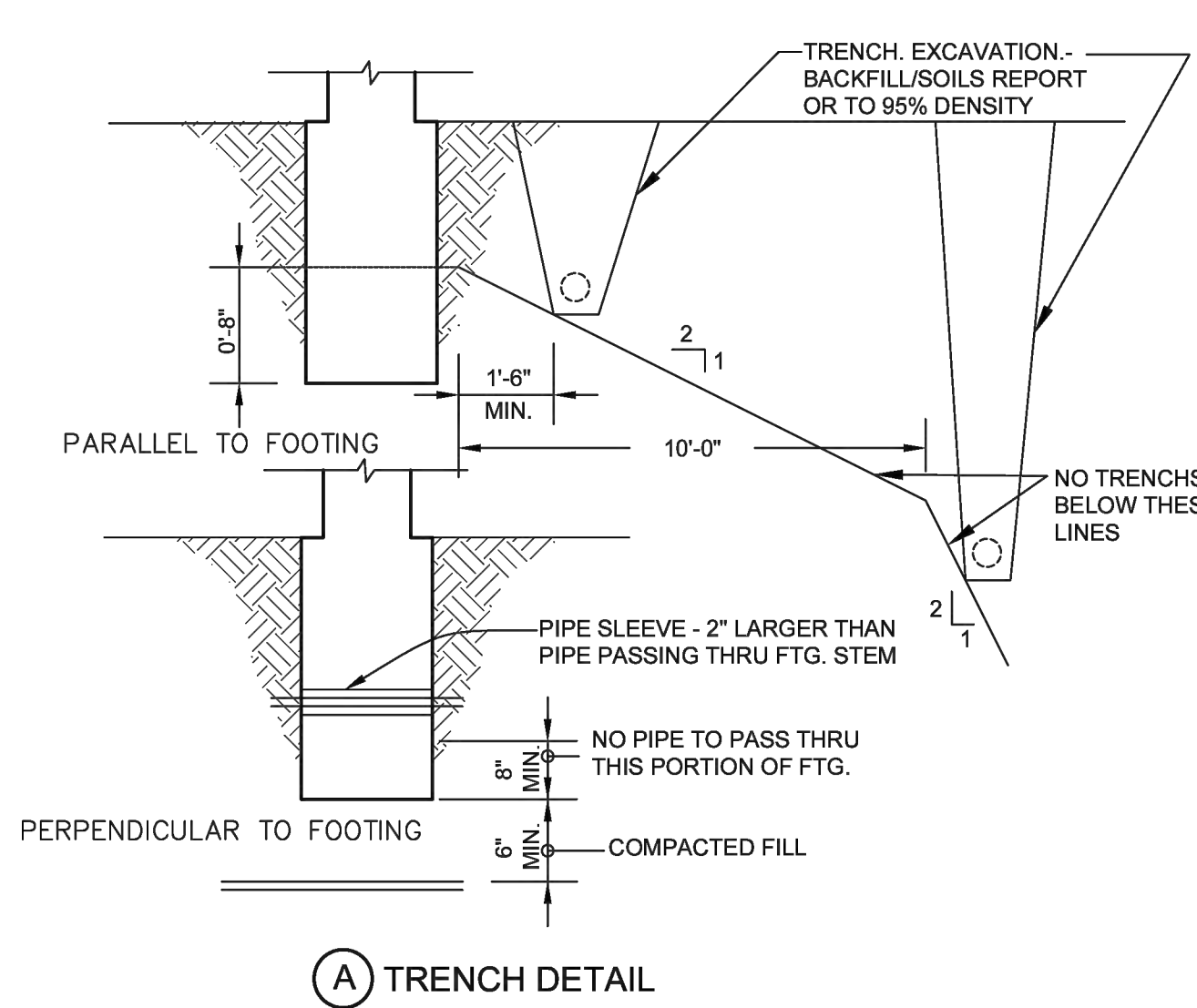
ALLOW BEARING PRESSURE = 1500 PSF

SEISMIC DESIGN CRITERIA

EQUIVALENT LATERAL FORCE PROCEDURE

SITE CLASS = D-DEFAULT

SEISMIC DESIGN CATEGORY = I



ROCA3 ENGINEERING
STRUCTURAL DESIGN
RESIDENTIAL COMMERCIAL

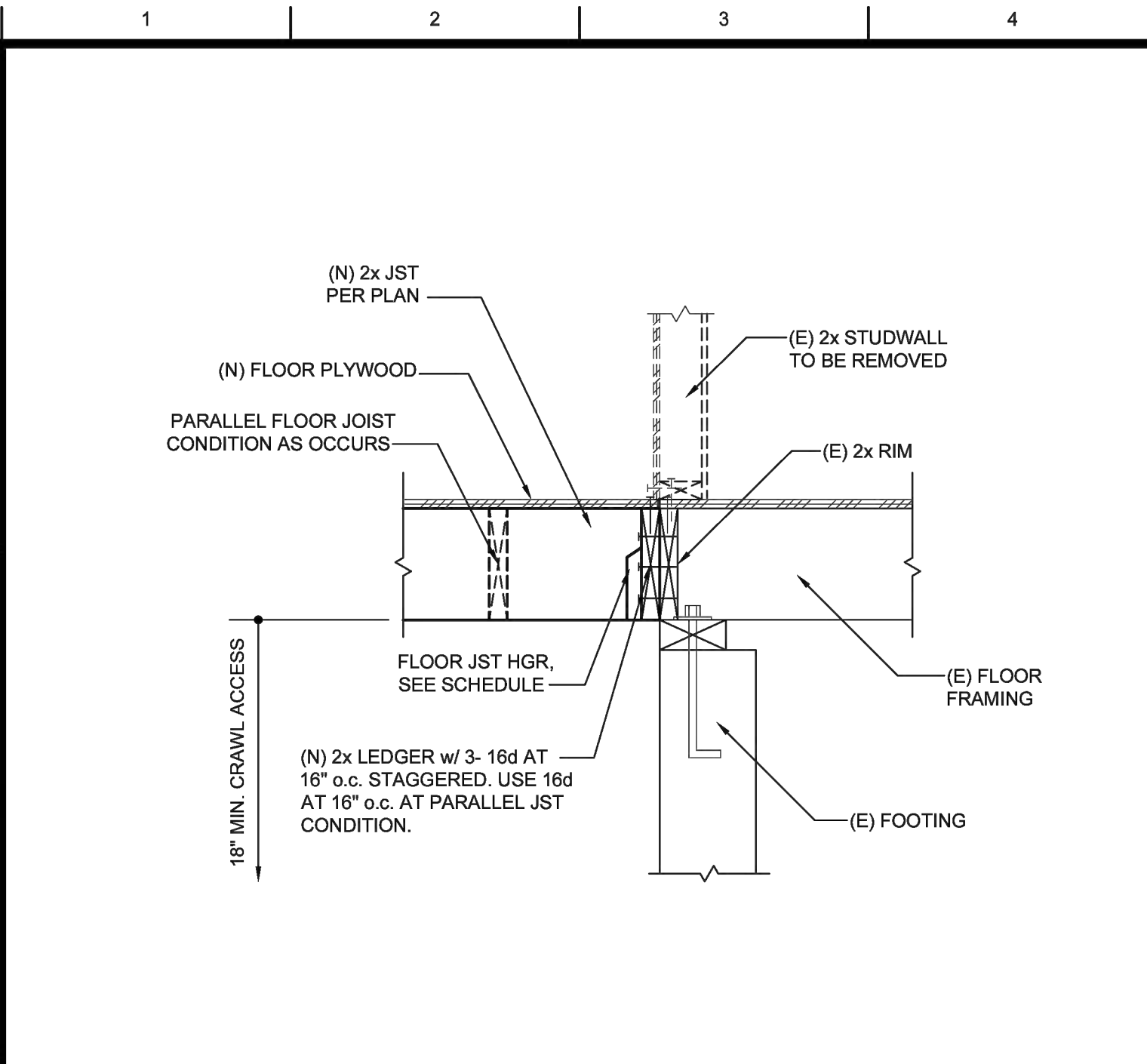
ADDRESS:
450 SOUTH ADEL STREET
P.O. BOX 362100
MILPITAS, CA 95036

PHONE: (408) 821-1335
FAX: (408) 828-2333
e-mail: joey@roca3.com
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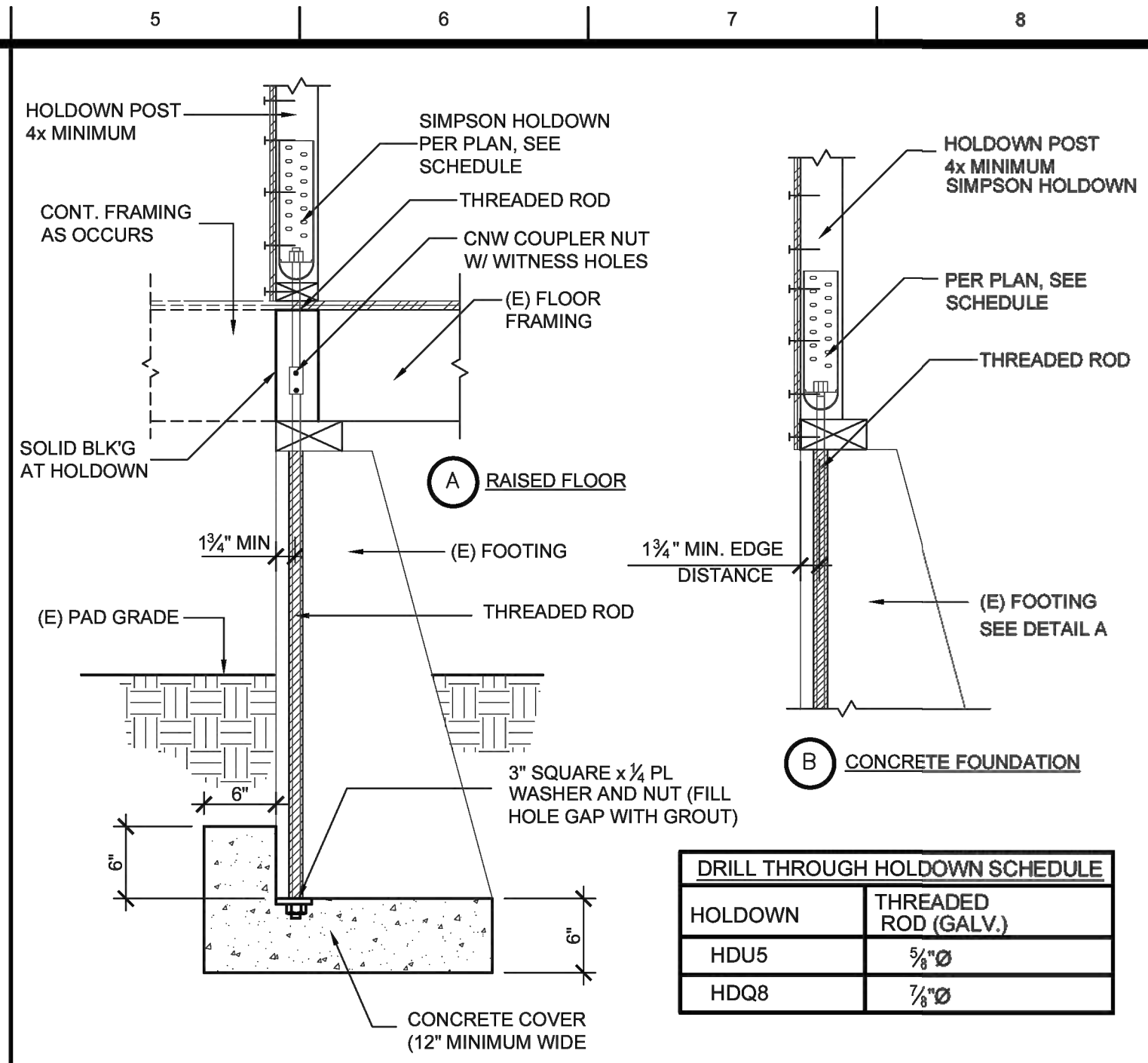
PROJECT TITLE:
PROPOSED ADDITION AND REMODEL FOR:
SCHAEFER RESIDENCE
836 11TH AVENUE, REDWOOD CITY, CALIFORNIA

NO.	DESCRIPTION	DATE
1	PLAN CHECK	02.12.28
REVISIONS		
1	SCALE:	AS NOTED
2	ISSUED:	12/17/2025
3	PROJECT NO.	1355.112025
4	SHEET NO.	REV. 0

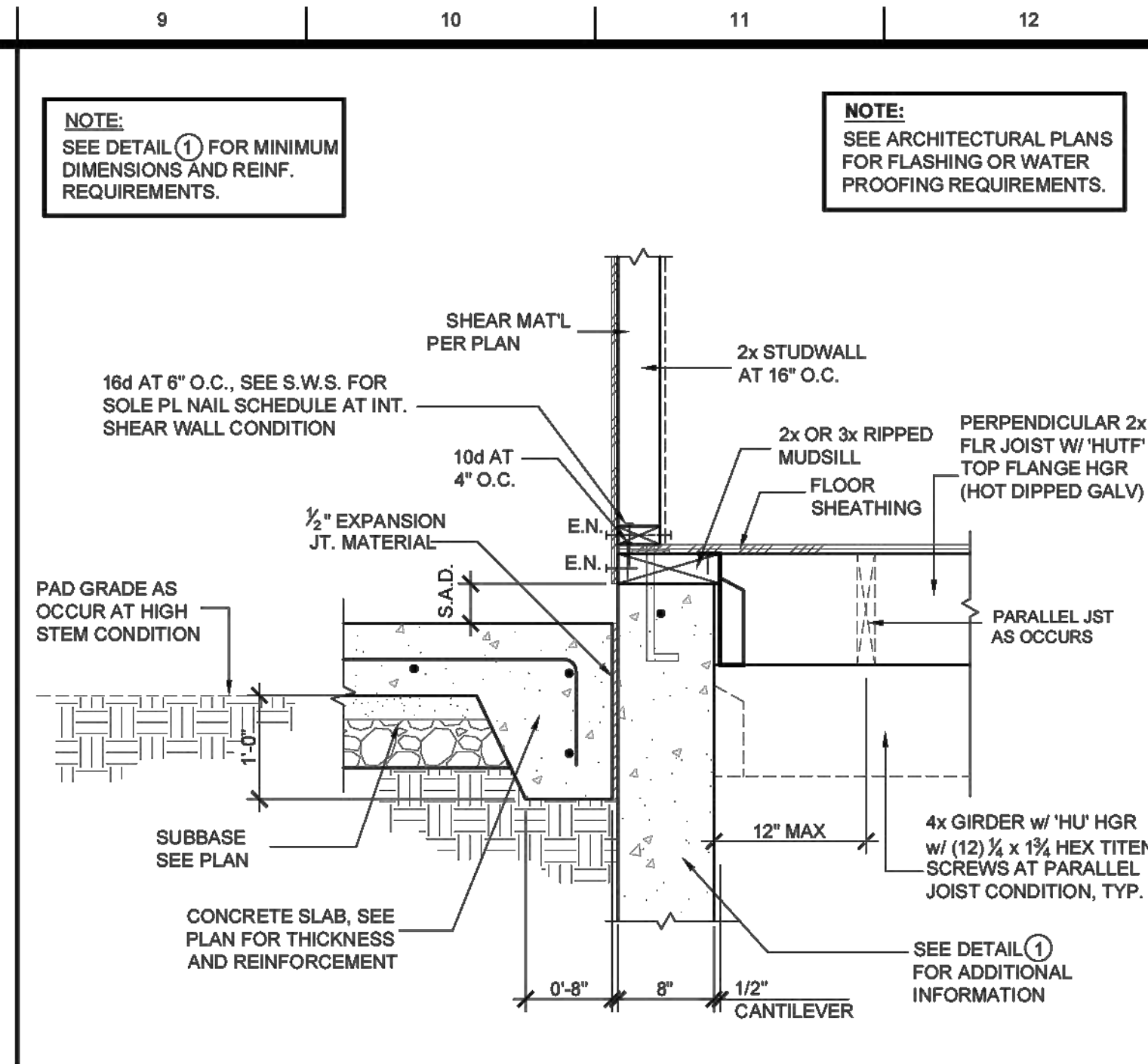
SD2



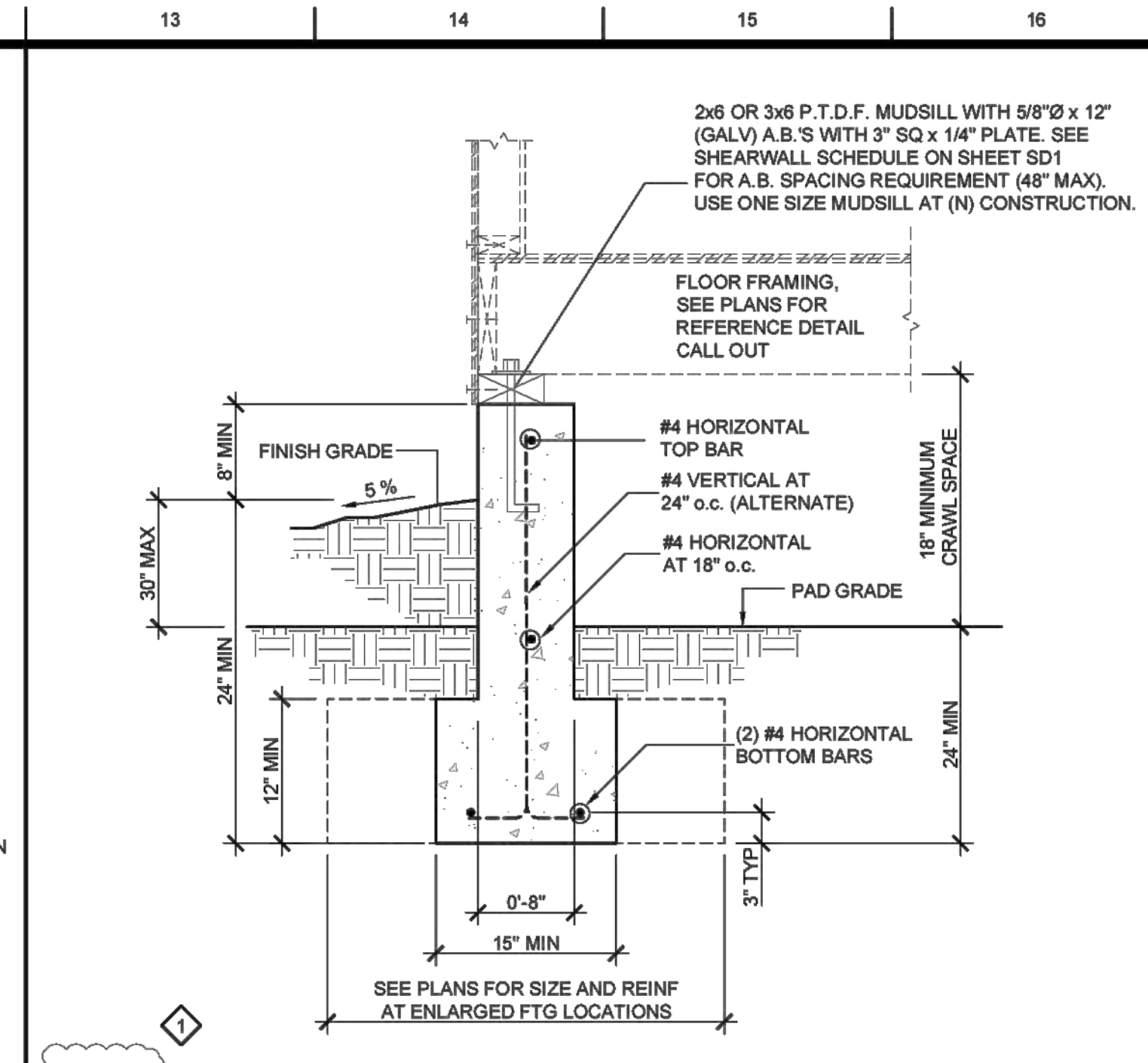
10 FLOOR FRAMING ADDITION



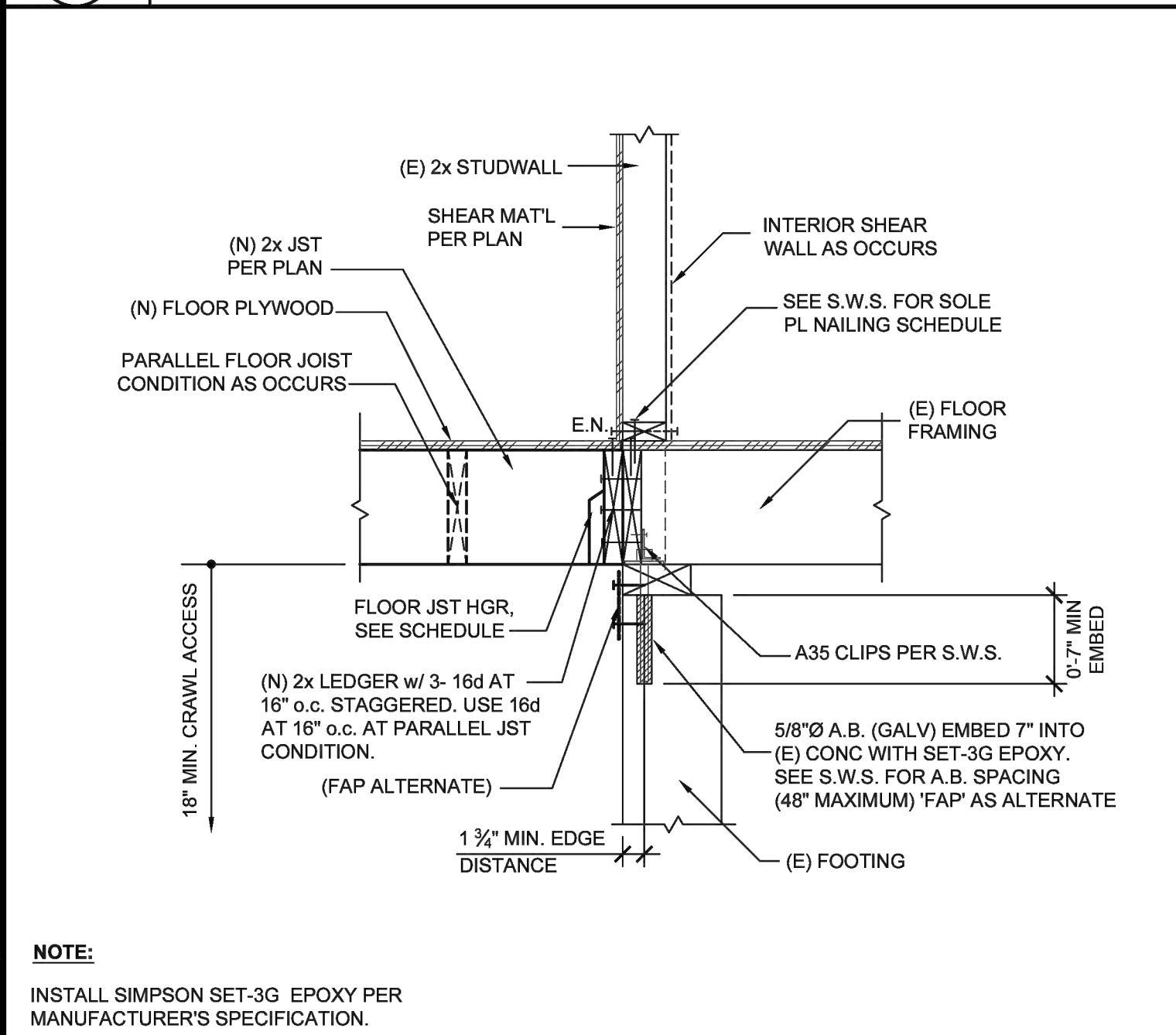
7 DRILL THROUGH HOLDOWN



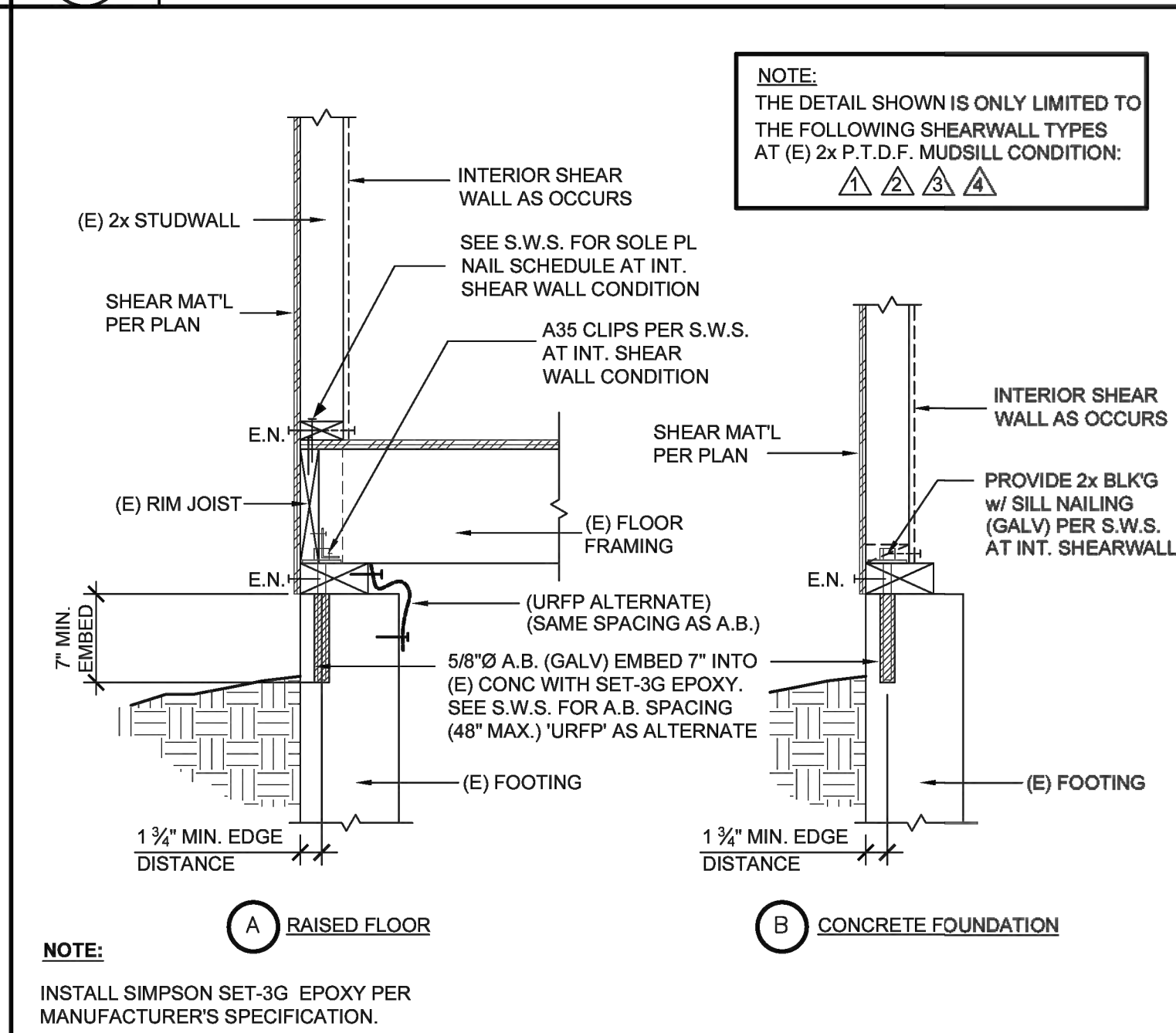
4 ALTERNATE HIGH STEM WALL DETAIL



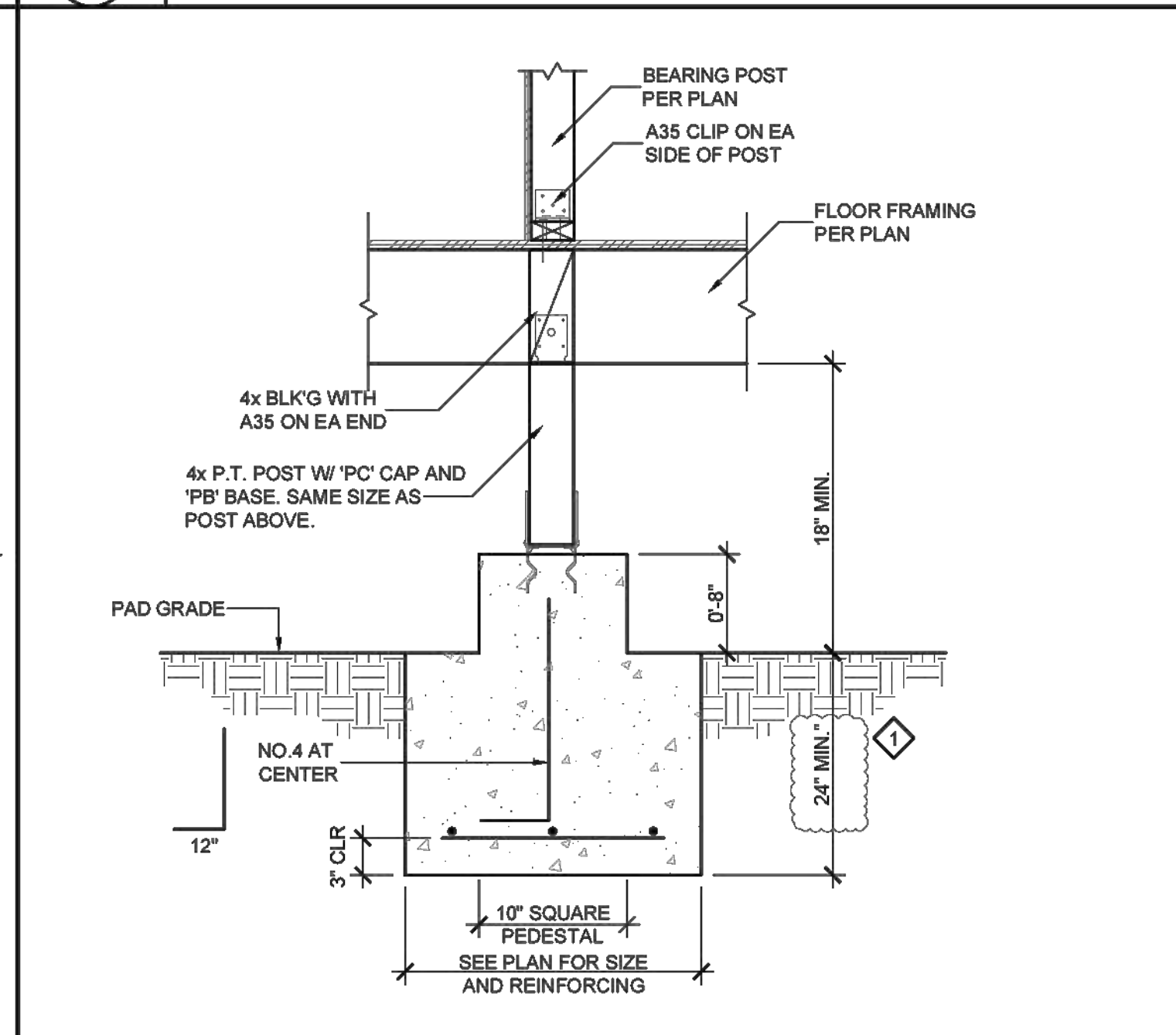
1 TYPICAL FOOTING



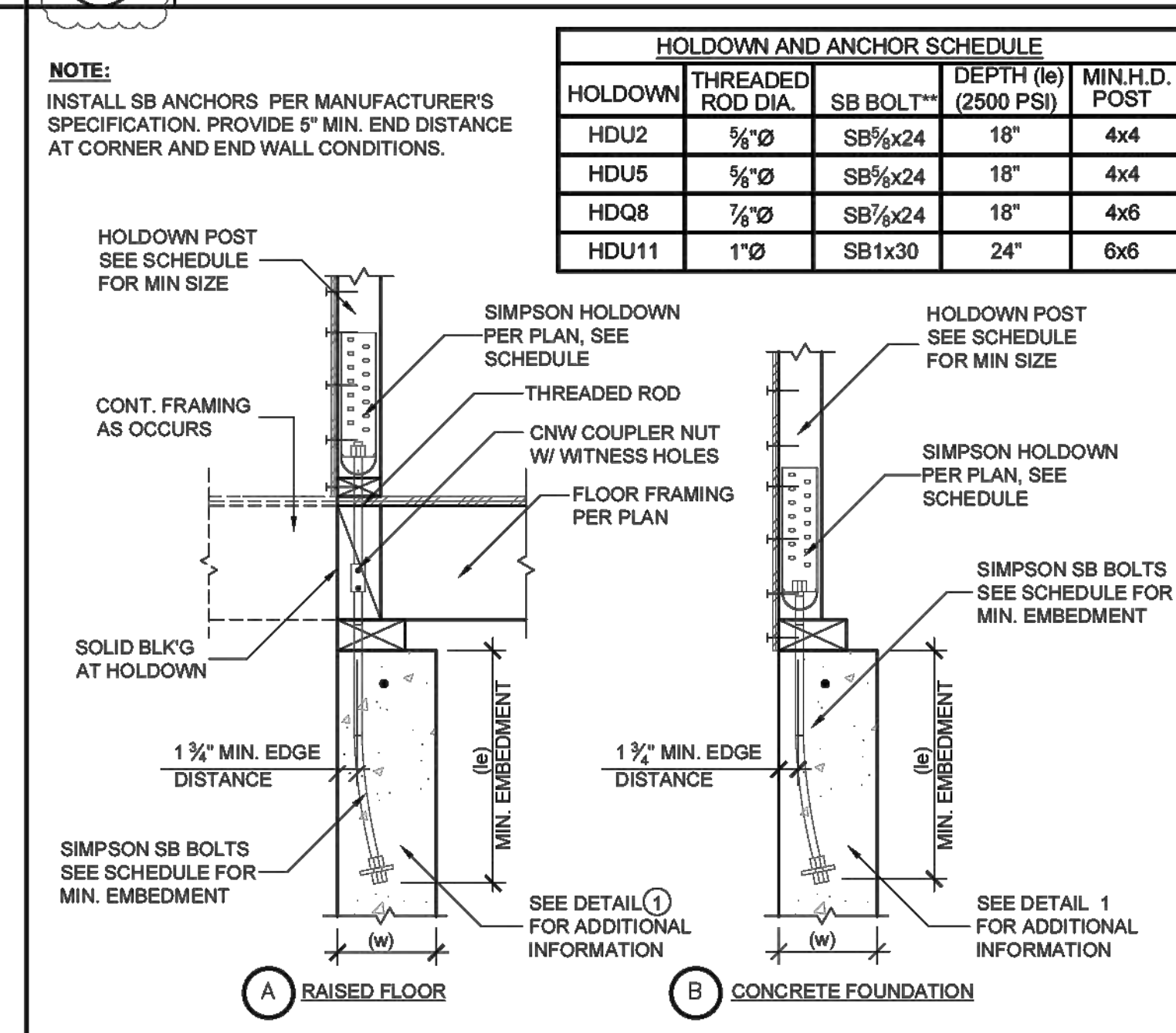
11 FLOOR FRAMING ADDITION AT SHEARWALL



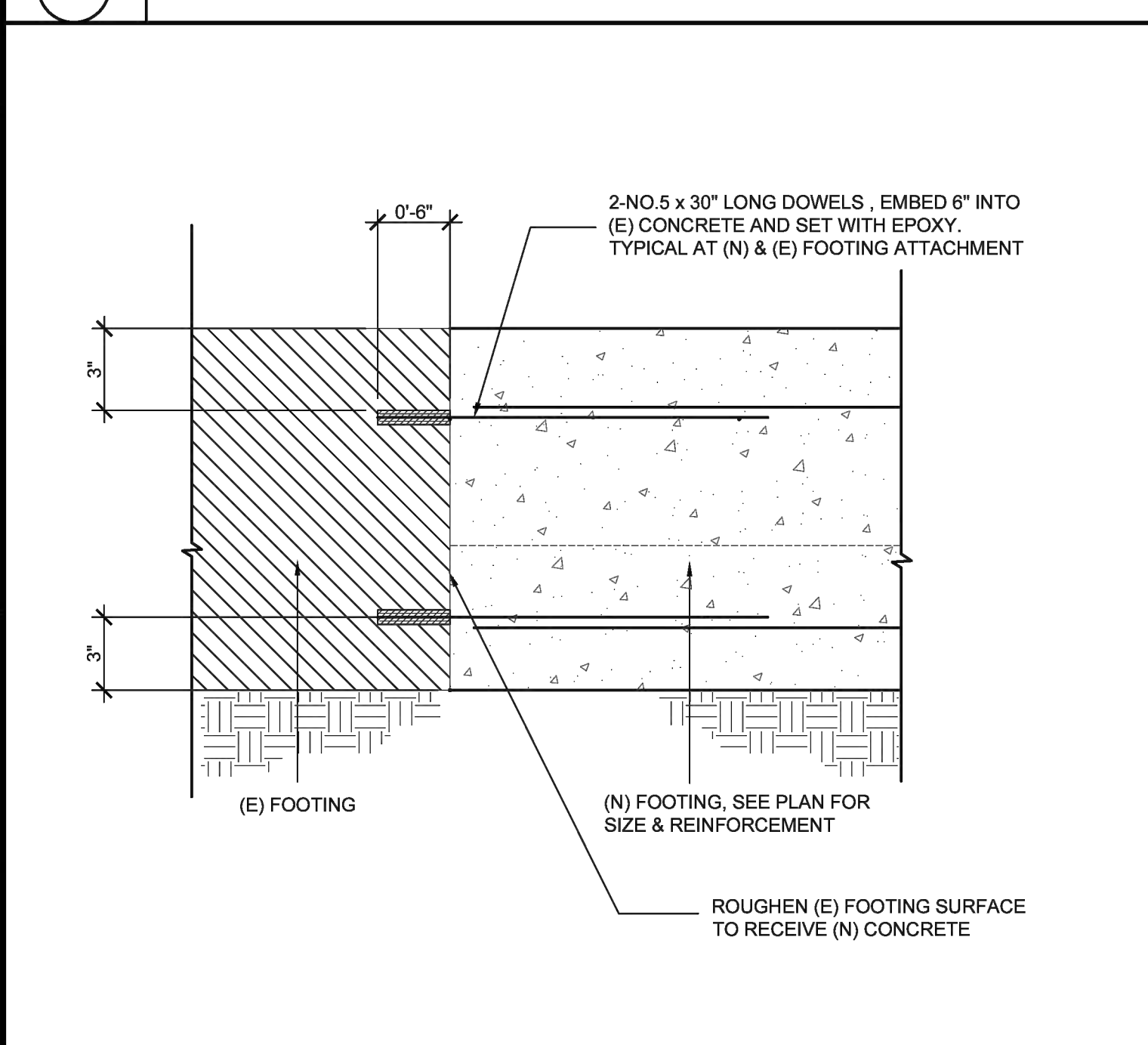
8 SHEARWALL ON (E) FOOTING



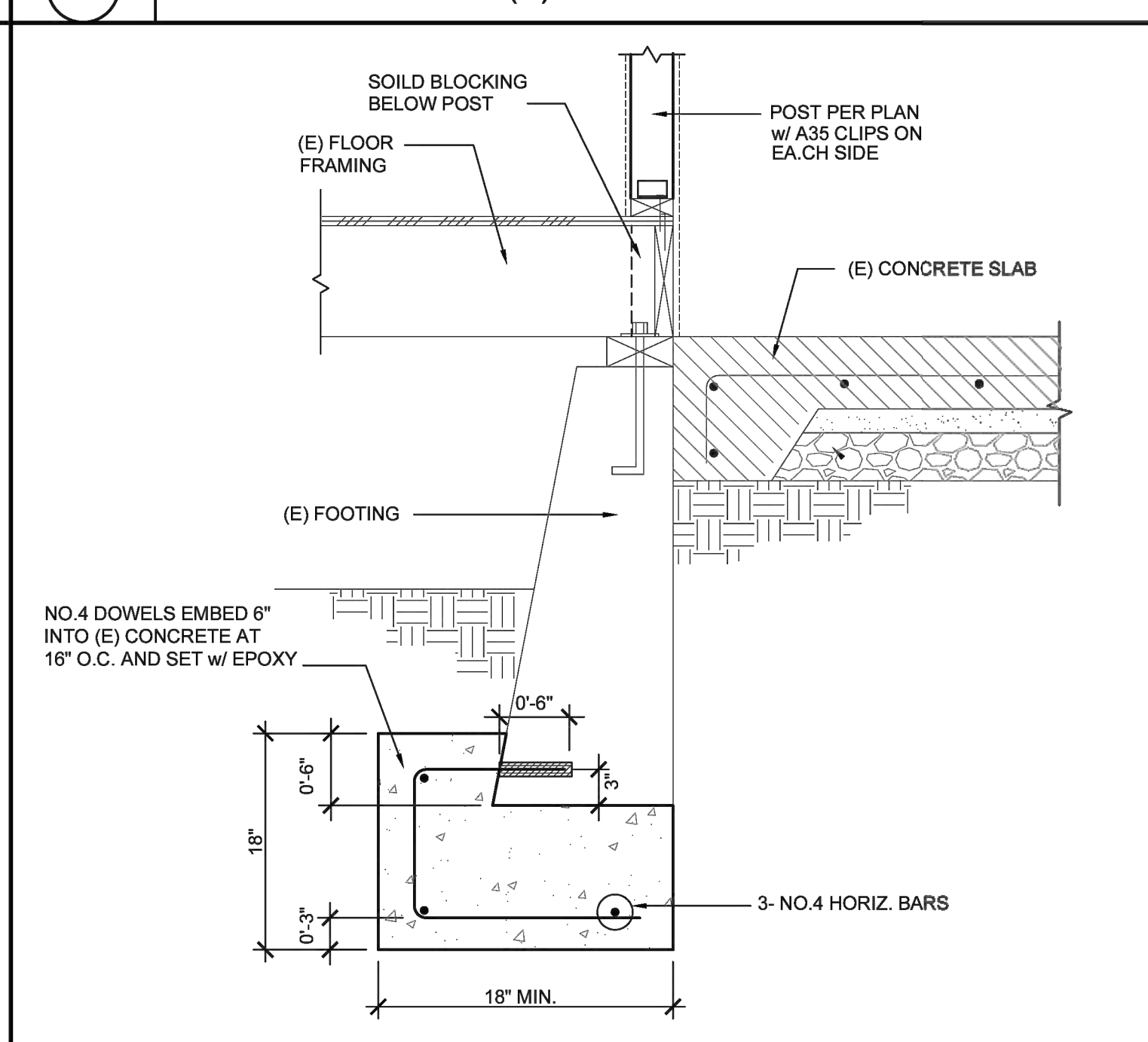
5 ISOLATED FOOTING



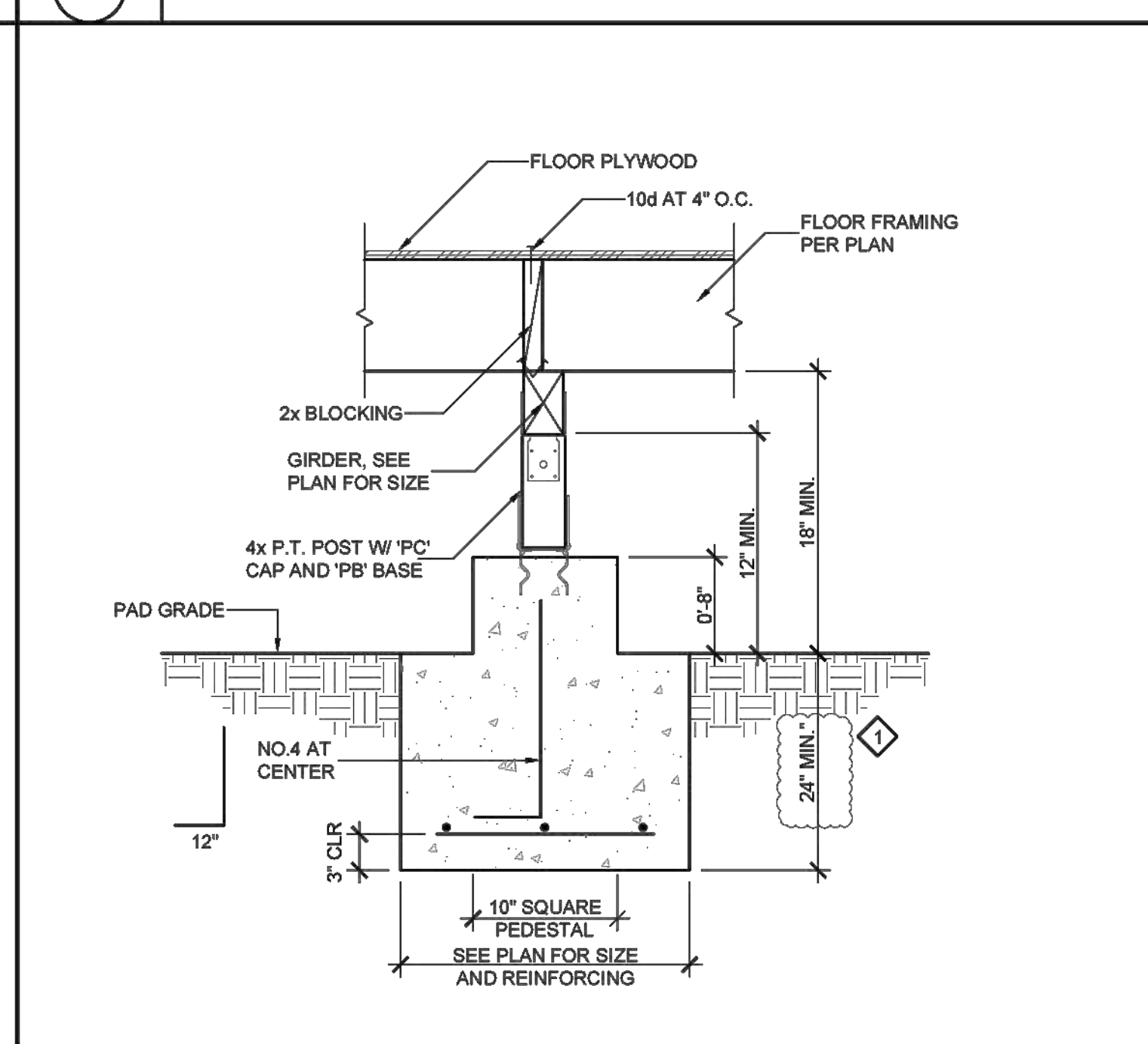
2 TYPICAL HOLDOWN



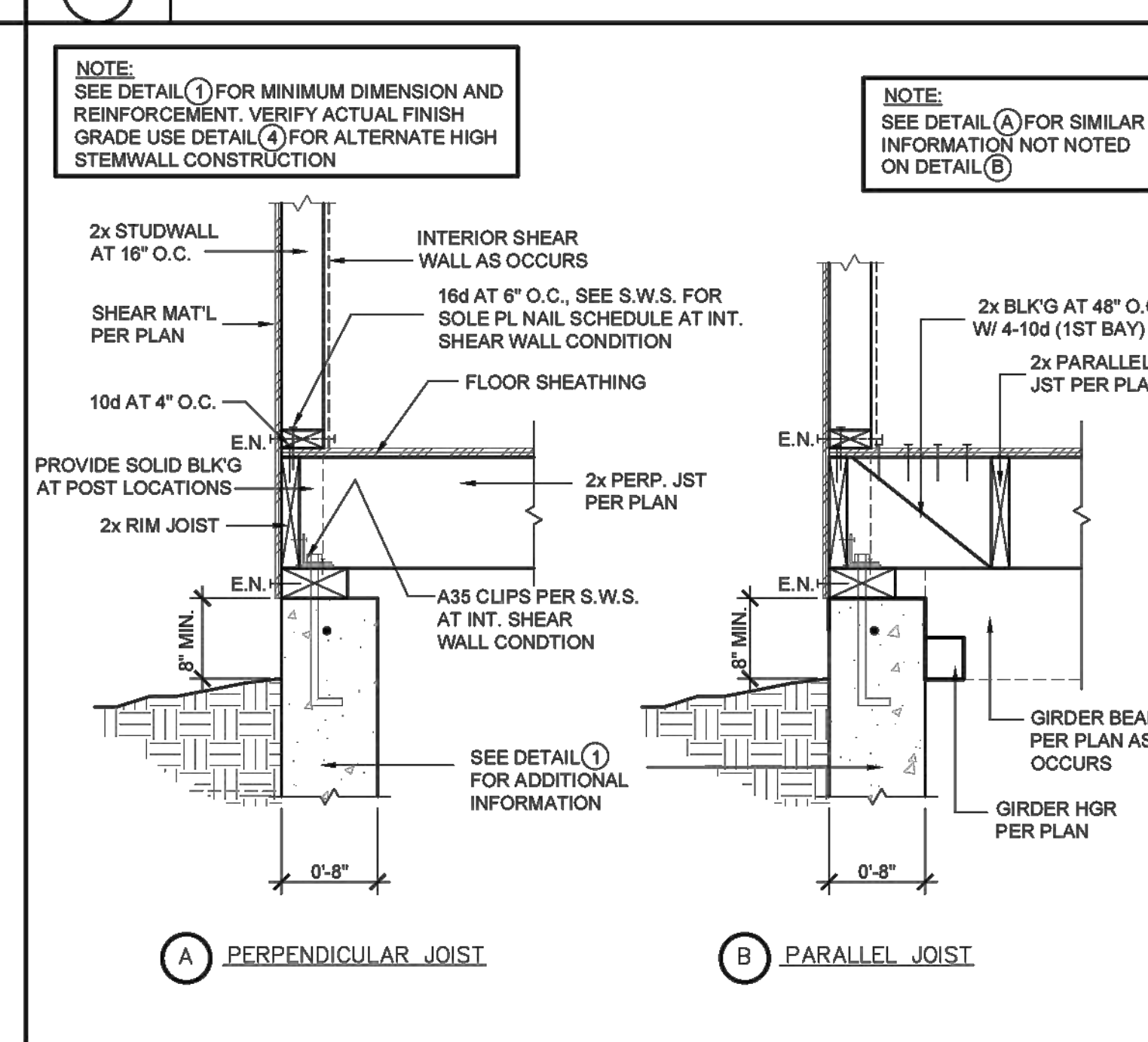
12 NEW TO EXISTING FOOTING



9 UNDERPIN FOOTING



6 TYPICAL FLOOR GIRDER



3 EXTERIOR FOOTING

REGISTERED PROFESSIONAL ENGINEER
JOE G. ROCA III
No. 78815
Exp. 12-31-27
CIVIL
STATE OF CALIFORNIA

SIGNATURE

Roca3
ENGINEERING

ROCA3 ENGINEERING
STRUCTURAL DESIGN
RESIDENTIAL COMMERCIAL

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MILPITAS, CA 95036

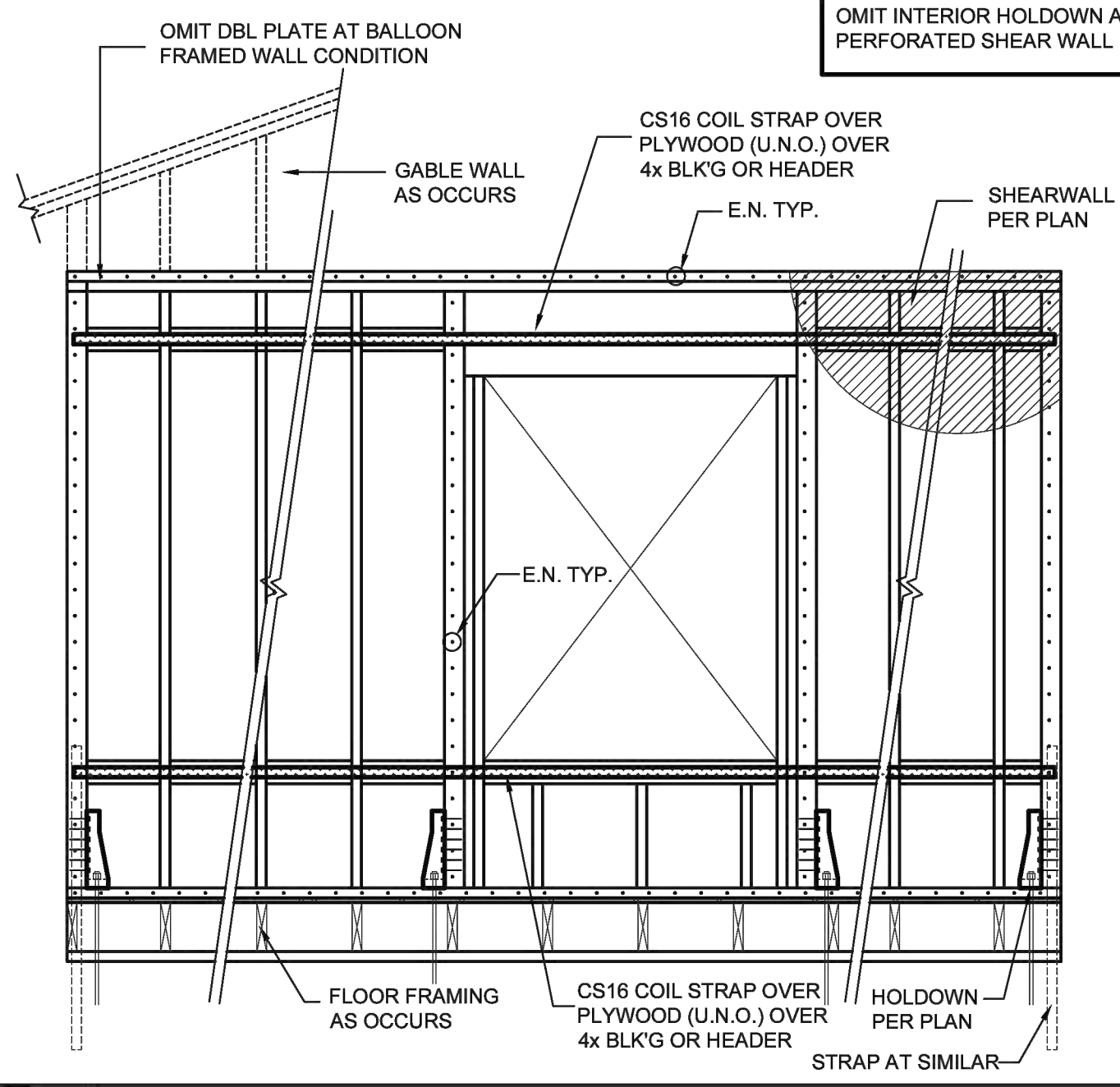
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PROJECT TITLE:
PROPOSED ADDITION AND REMODEL FOR:
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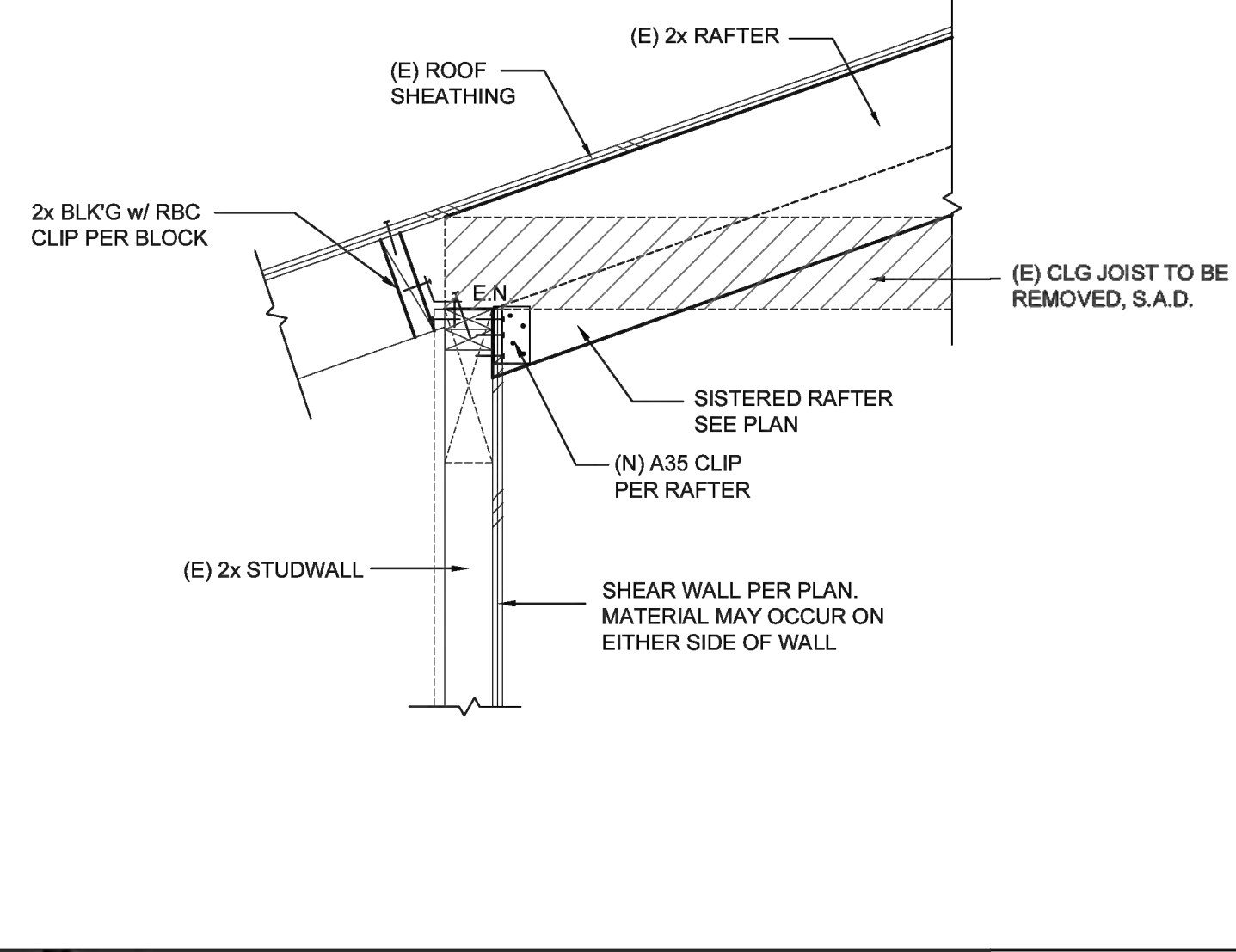
HOLDOWN AND ANCHOR SCHEDULE			
HOLDOWN	THREADED ROD DIA.	SB BOLT TM (2500 PSI)	MIN.H.D. POST
HDU2	3/4"Ø	SB3/4x24	18"
HDU5	3/4"Ø	SB3/4x24	18"
HDQ8	7/8"Ø	SB3/4x24	18"
HDU11	1"Ø	SB1x30	24"

NO.	DESCRIPTION	DATE
1	PLAN CHECK	02.1.2.26
REVISIONS		
DRAWN:	JR	CHECKED: JR
SCALE:	AS NOTED	
ISSUED:	12/17/2025	
PROJECT NO.	1355.112025	
SHEET NO.	REV. 0	

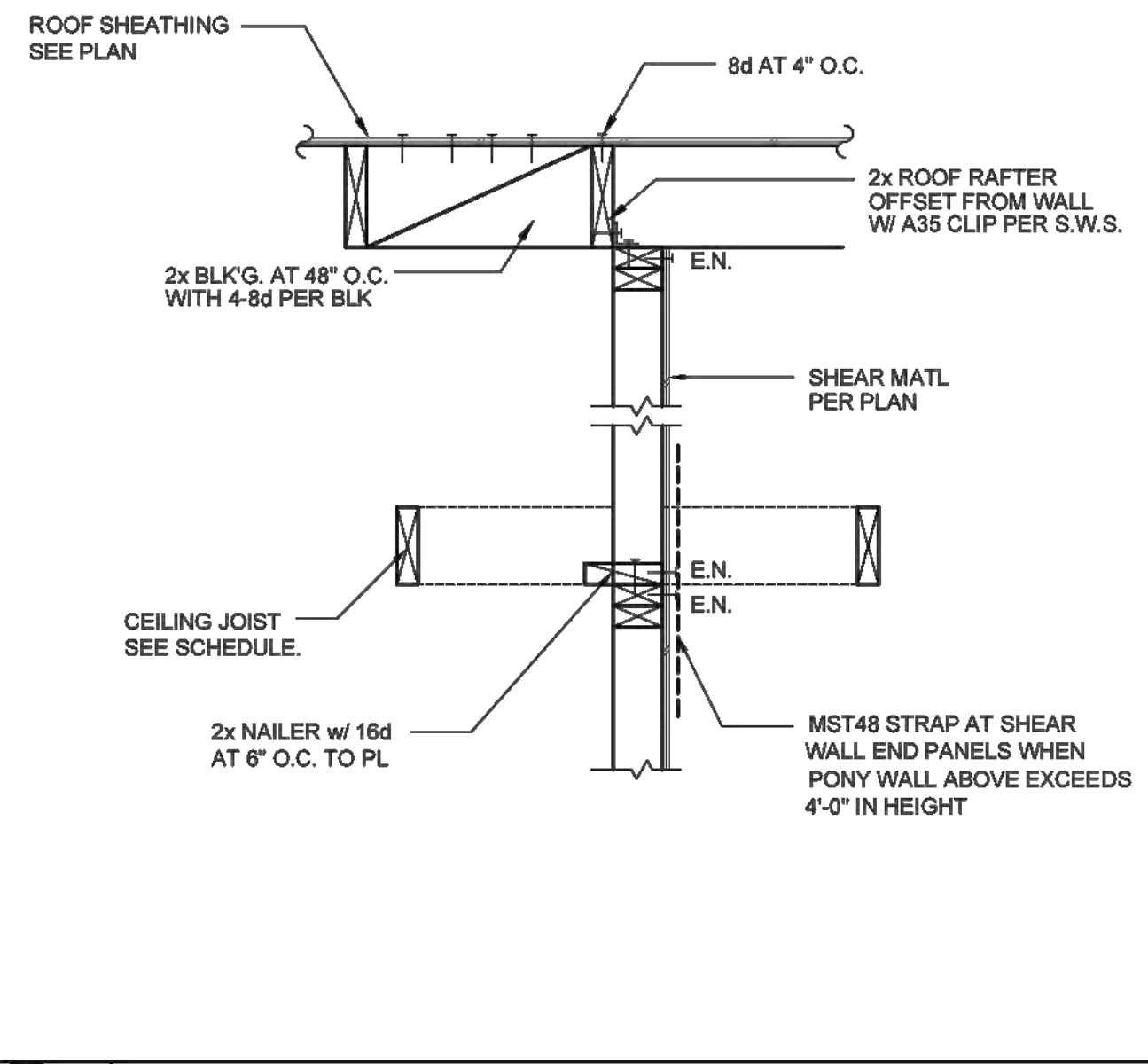
SD3



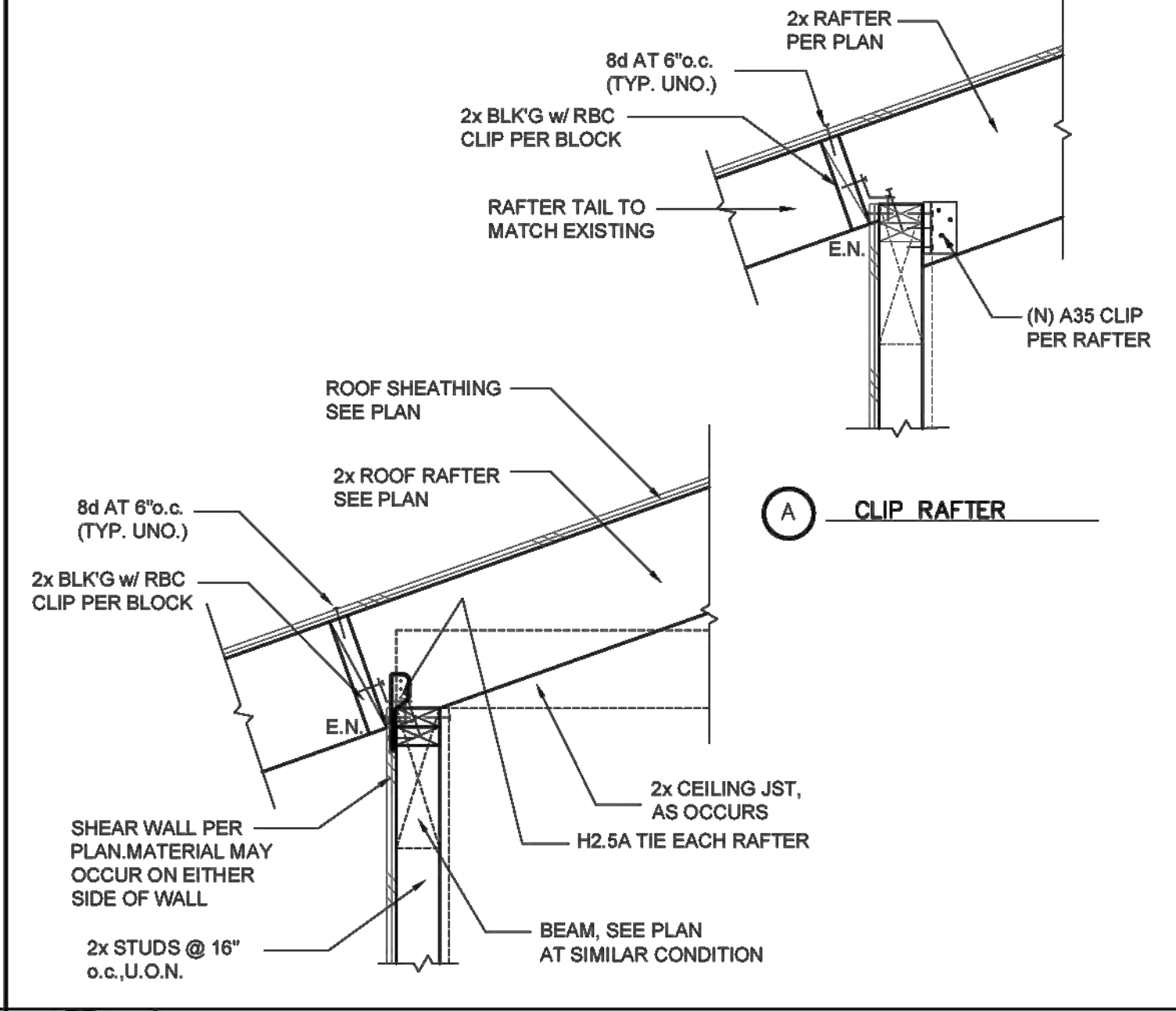
10 WINDOW STRAP AND BLOCKING



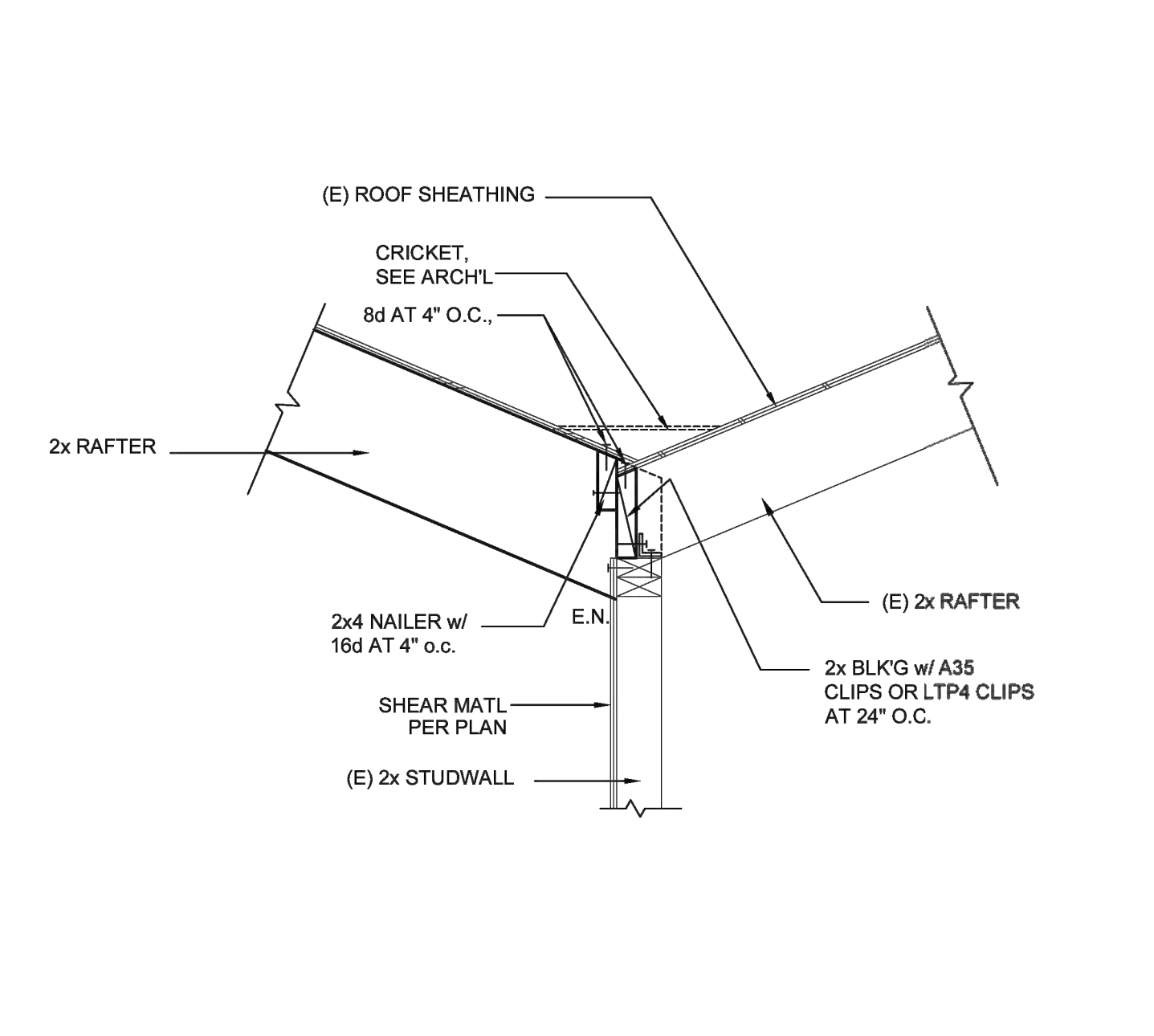
7 PERPENDICULAR RAFTER



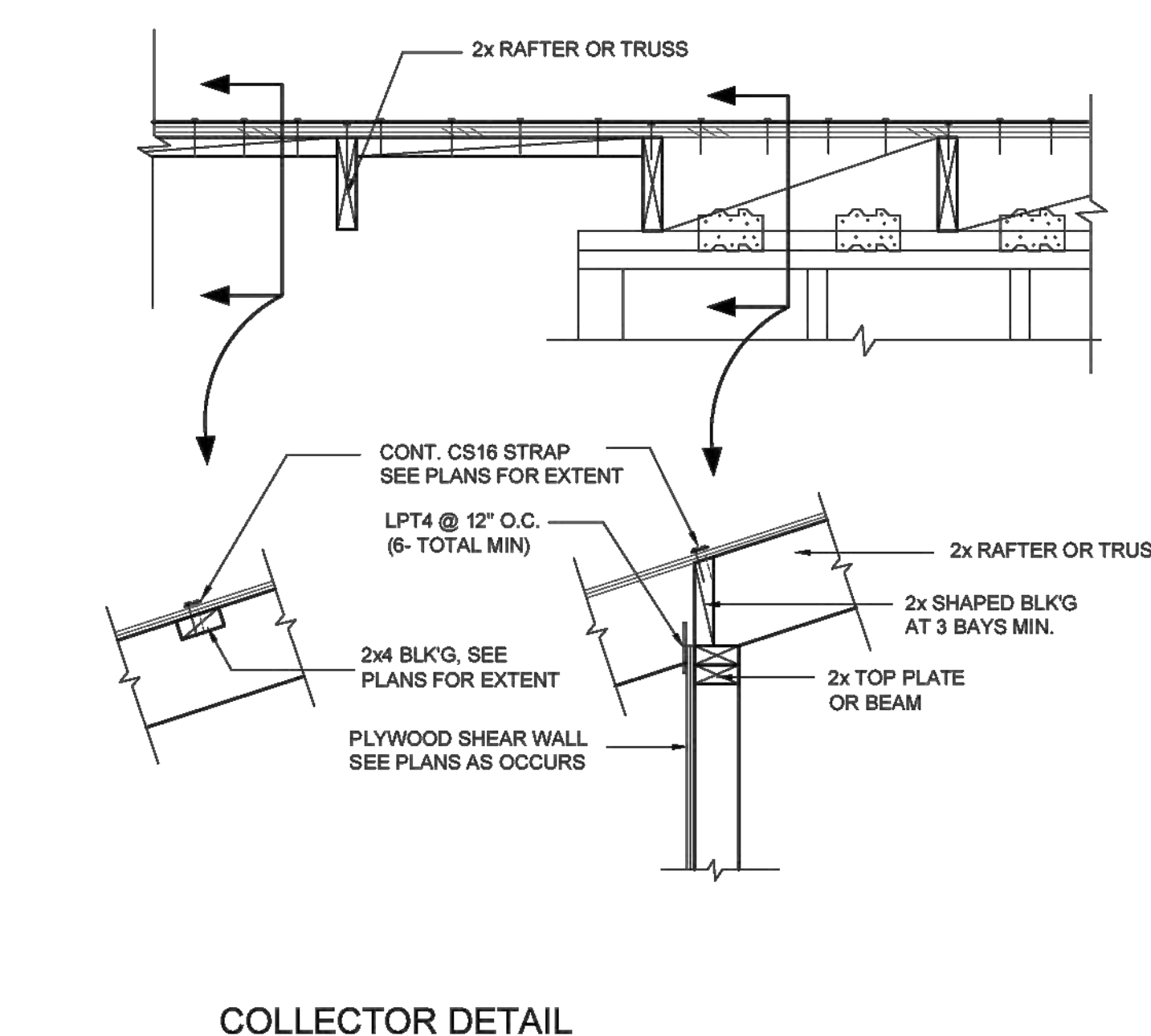
4 INTERIOR SHEARWALL



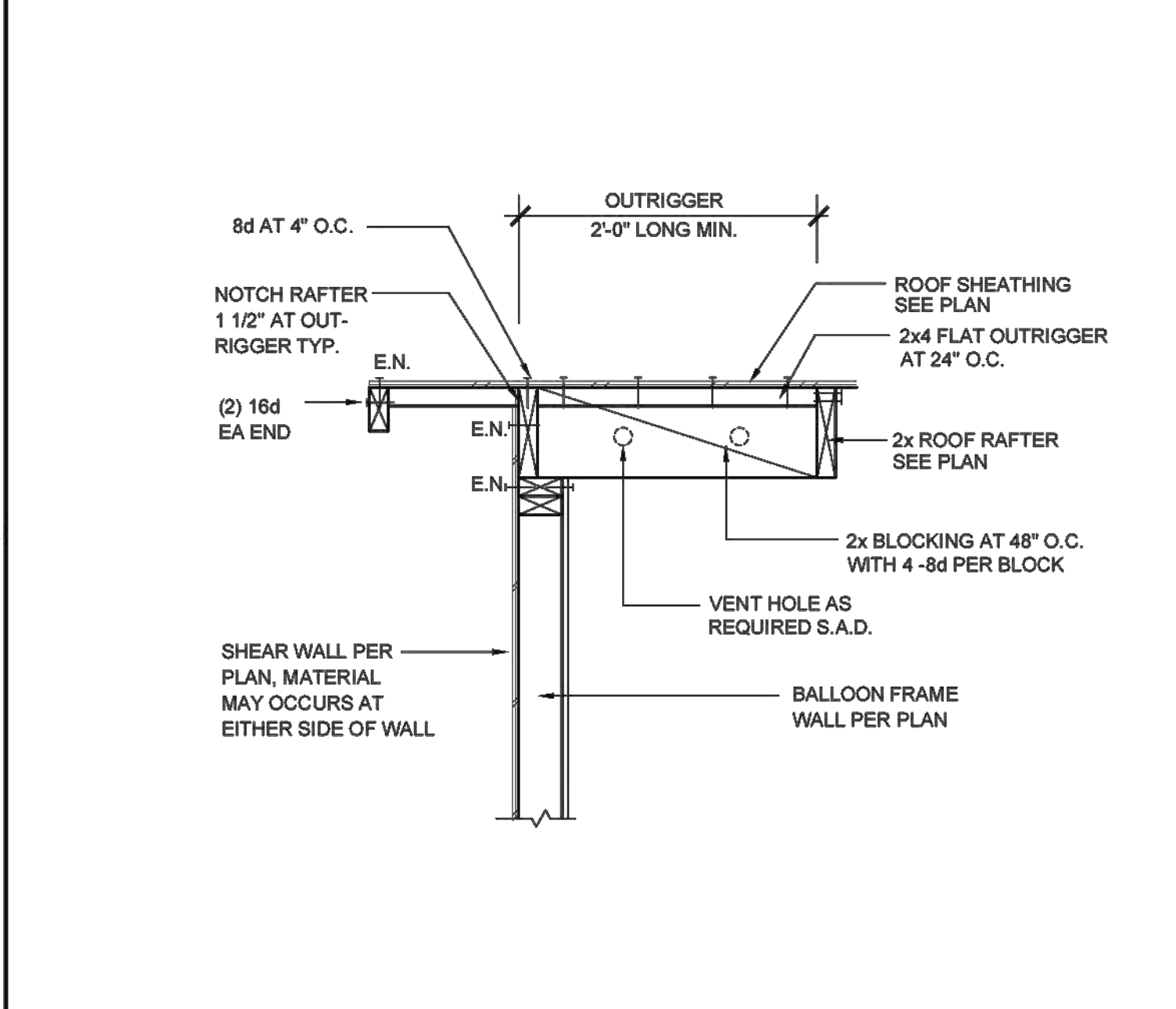
1 PERPENDICULAR RAFTER



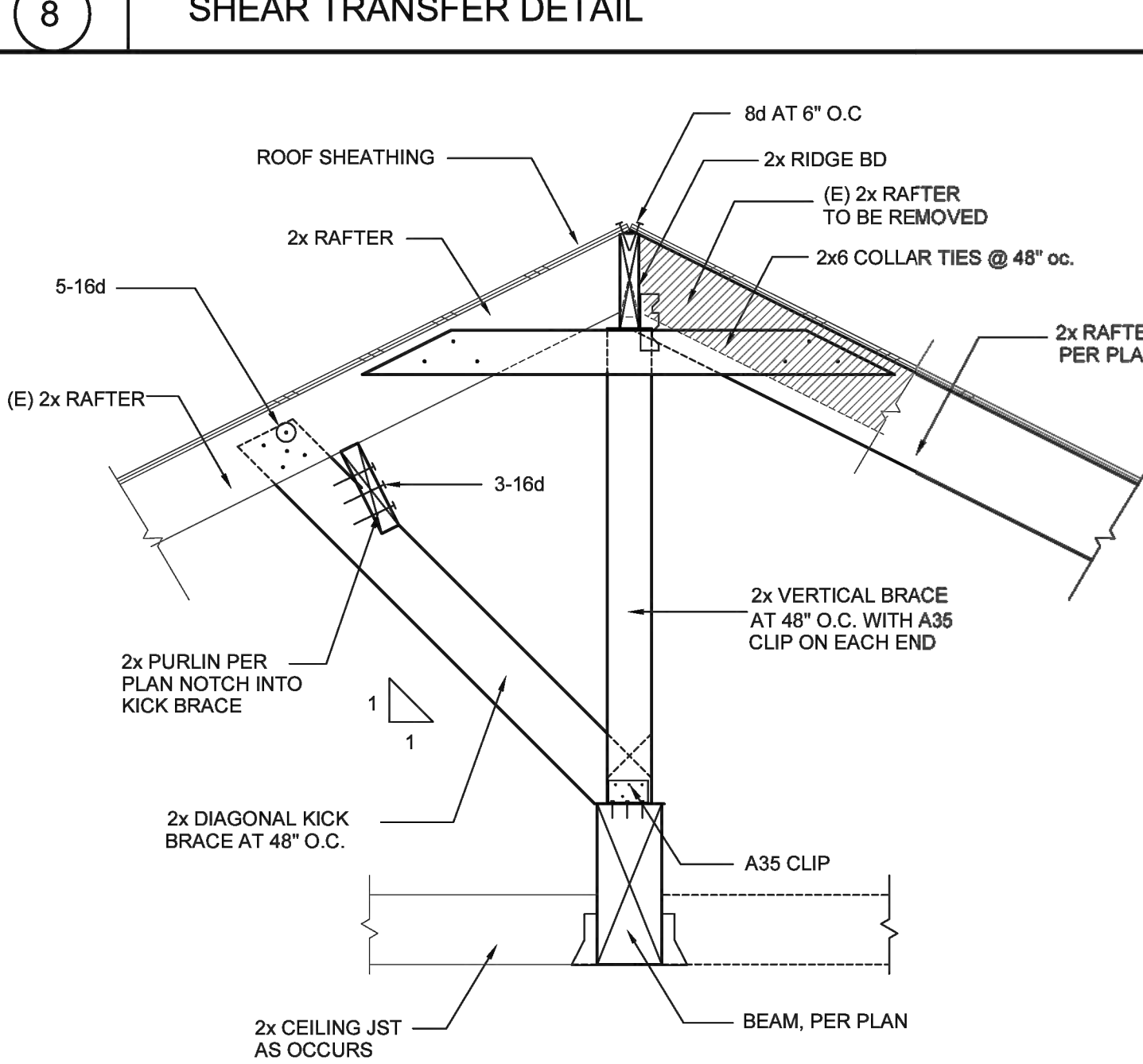
8 SHEAR TRANSFER DETAIL



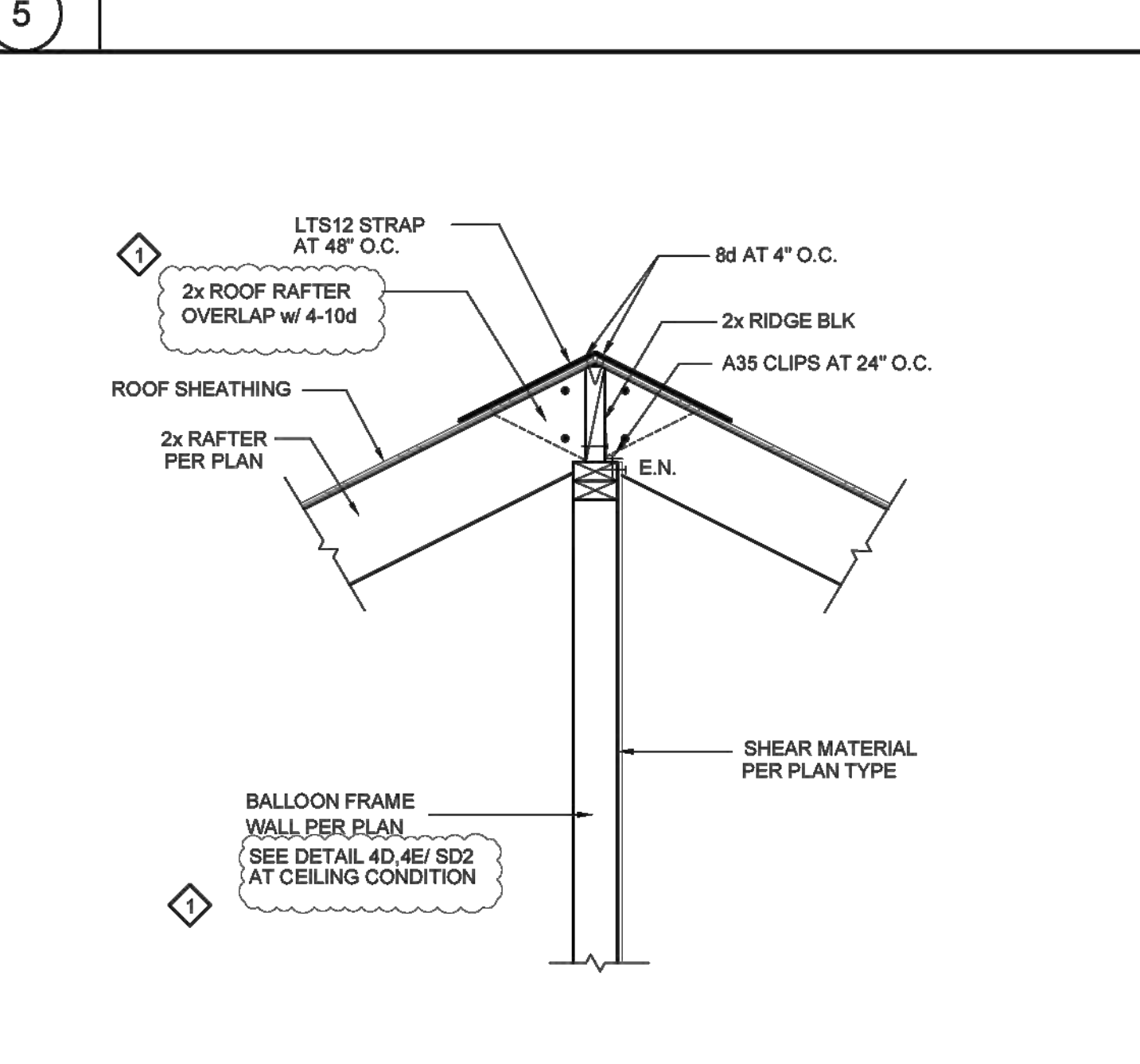
5 COLLECTOR DETAIL



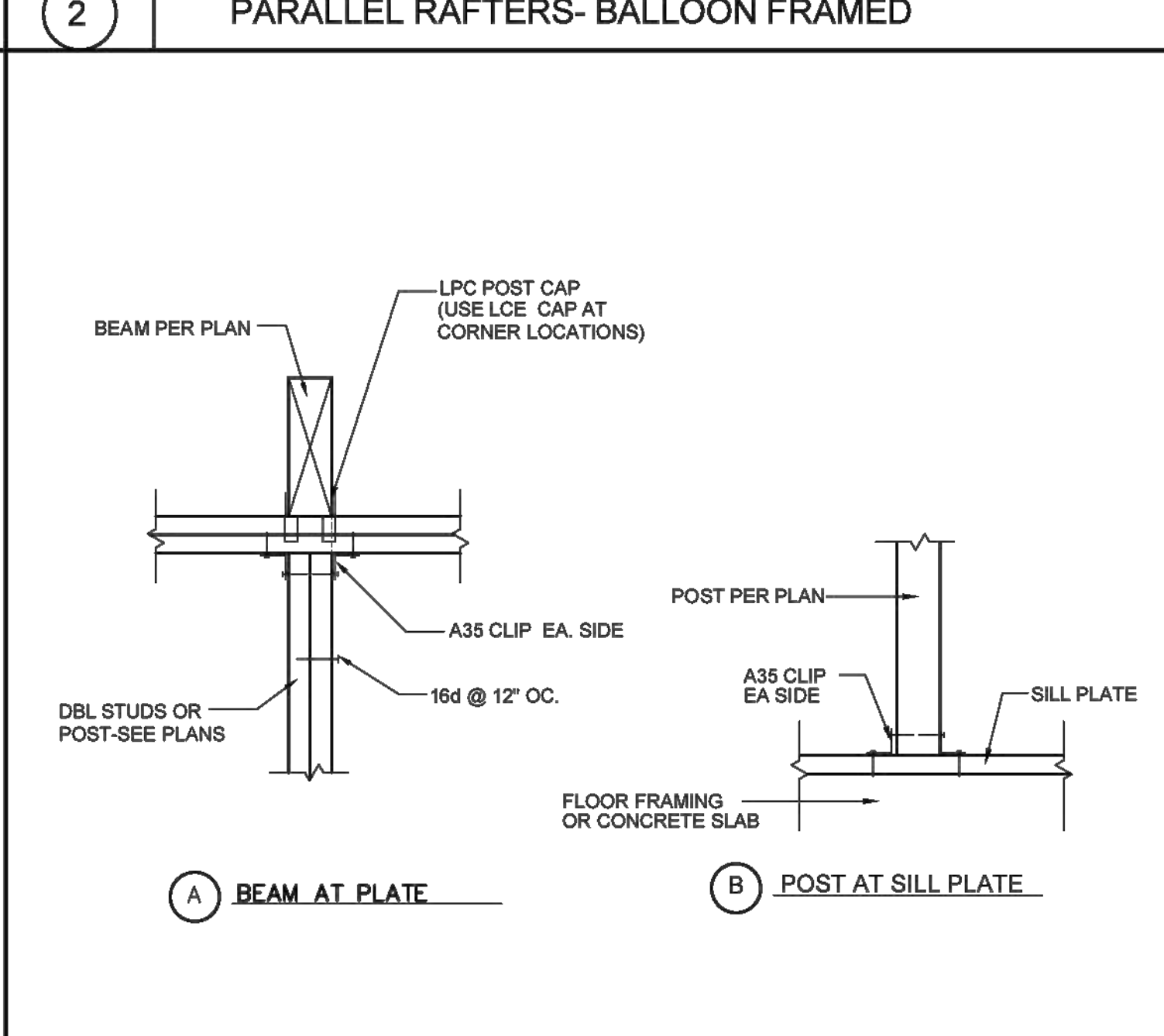
2 PARALLEL RAFTERS- BALLOON FRAMED



9 CEILING BEAM RIDGE SUPPORT



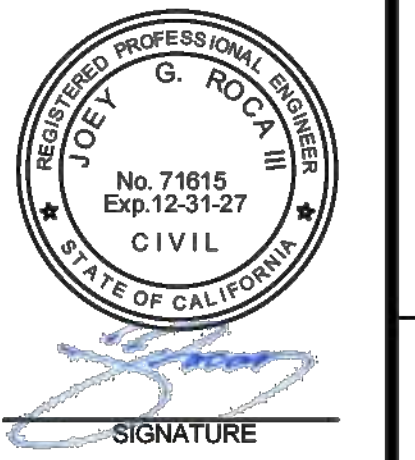
6 SHEAR WALL AT RIDGE



3 TYPICAL BEAM TO POST CONNECTION

11

12



ROCA3 ENGINEERING
STRUCTURAL DESIGN
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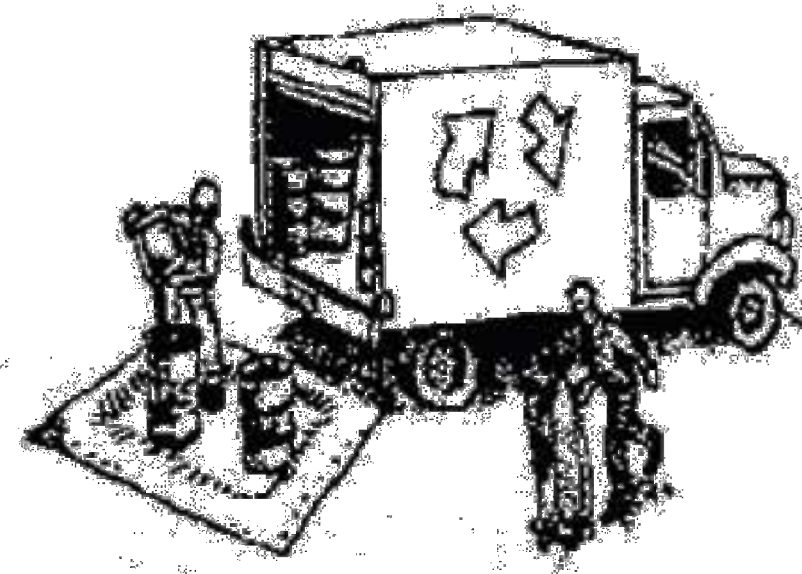
NO.	DESCRIPTION	DATE
1	PLAN CHECK	02.1.2.28
REVISIONS		
DRAWN:	JR	CHECKED: JR
SCALE:	AS NOTED	
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SD4

Construction Best Management Practices (BMPs)

Construction projects are required to implement the stormwater best management practices (BMP) on this page, as they apply to your project, all year long.

Materials & Waste Management



Non-Hazardous Materials

- ❑ Berm and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or if not actively being used within 14 days.
- ❑ Use (but don't overuse) reclaimed water for dust control.

Hazardous Materials

- ❑ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state and federal regulations.
- ❑ Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
- ❑ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ❑ Arrange for appropriate disposal of all hazardous wastes.

Waste Management

- ❑ Cover waste disposal containers securely with tarps at the end of every work day and during wet weather.
- ❑ Check waste disposal containers frequently for leaks and to make sure they are not overfilled. Never hose down a dumpster on the construction site.
- ❑ Clean or replace portable toilets, and inspect them frequently for leaks and spills.
- ❑ Dispose of all wastes and debris properly. Recycle materials and wastes that can be recycled (such as asphalt, concrete, aggregate base materials, wood, gyp board, pipe, etc.)
- ❑ Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fluids as hazardous waste.

Construction Entrances and Perimeter

- ❑ Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- ❑ Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking. Never hose down streets to clean up tracking.

Equipment Management & Spill Control



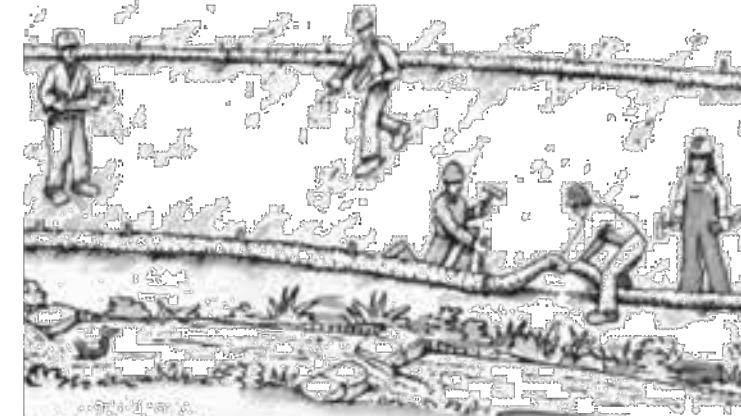
Maintenance and Parking

- ❑ Designate an area, fitted with appropriate BMPs, for vehicle and equipment parking and storage.
- ❑ Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
- ❑ If refueling or vehicle maintenance must be done onsite, work in a bermed area away from storm drains and over a drip pan or drop cloths big enough to collect fluids. Recycle or dispose of fluids as hazardous waste.
- ❑ If vehicle or equipment cleaning must be done onsite, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or surface waters.
- ❑ Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, or steam cleaning equipment.

Spill Prevention and Control

- ❑ Keep spill cleanup materials (e.g., rags, absorbents and cat litter) available at the construction site at all times.
- ❑ Inspect vehicles and equipment frequently for and repair leaks promptly. Use drip pans to catch leaks until repairs are made.
- ❑ Clean up spills or leaks immediately and dispose of cleanup materials properly.
- ❑ Do not hose down surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags).
- ❑ Sweep up spilled dry materials immediately. Do not try to wash them away with water, or bury them.
- ❑ Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- ❑ Report significant spills immediately. You are required by law to report all significant releases of hazardous materials, including oil. To report a spill: 1) Dial 911 or your local emergency response number, 2) Call the Governor's Office of Emergency Services Warning Center, (800) 852-7550 (24 hours).

Earthmoving

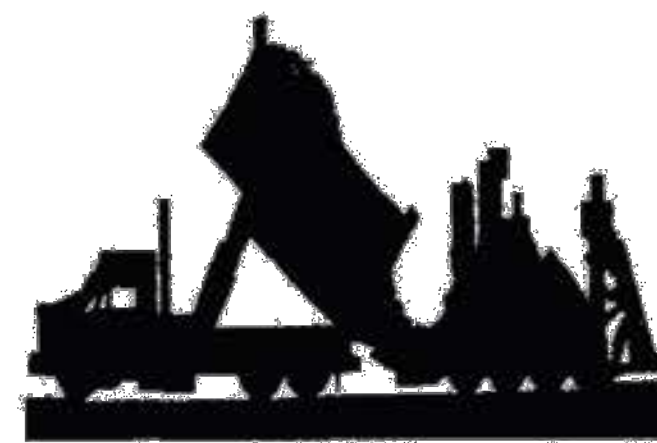


- ❑ Schedule grading and excavation work during dry weather.
- ❑ Stabilize all denuded areas, install and maintain temporary erosion controls (such as erosion control fabric or bonded fiber matrix) until vegetation is established.
- ❑ Remove existing vegetation only when absolutely necessary, and seed or plant vegetation for erosion control on slopes or where construction is not immediately planned.
- ❑ Prevent sediment from migrating offsite and protect storm drain inlets, gutters, ditches, and drainage courses by installing and maintaining appropriate BMPs, such as fiber rolls, silt fences, sediment basins, gravel bags, berms, etc.
- ❑ Keep excavated soil on site and transfer it to dump trucks on site, not in the streets.

Contaminated Soils

- ❑ If any of the following conditions are observed, test for contamination and contact the Regional Water Quality Control Board:
 - Unusual soil conditions, discoloration, or odor.
 - Abandoned underground tanks.
 - Abandoned wells
 - Buried barrels, debris, or trash.

Paving/Asphalt Work



- ❑ Avoid paving and seal coating in wet weather or when rain is forecast, to prevent materials that have not cured from contacting stormwater runoff.
- ❑ Cover storm drain inlets and manholes when applying seal coat, tack coat, slurry seal, fog seal, etc.
- ❑ Collect and recycle or appropriately dispose of excess abrasive gravel or sand. Do NOT sweep or wash it into gutters.
- ❑ Do not use water to wash down fresh asphalt concrete pavement.

Sawcutting & Asphalt/Concrete Removal

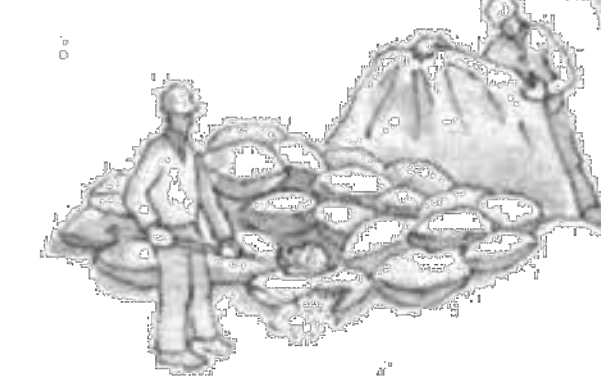
- ❑ Protect nearby storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or gravel bags to keep slurry out of the storm drain system.
- ❑ Shovel, absorb, or vacuum saw-cut slurry and dispose of all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- ❑ If sawcut slurry enters a catch basin, clean it up immediately.

Concrete, Grout & Mortar Application



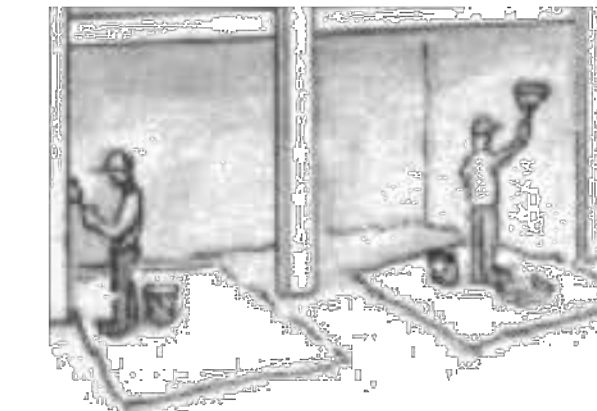
- ❑ Store concrete, grout, and mortar away from storm drains or waterways, and on pallets under cover to protect them from rain, runoff, and wind.
- ❑ Wash out concrete equipment/trucks offsite or in a designated washout area, where the water will flow into a temporary waste pit, and in a manner that will prevent leaching into the underlying soil or onto surrounding areas. Let concrete harden and dispose of as garbage.
- ❑ When washing exposed aggregate, prevent washwater from entering storm drains. Block any inlets and vacuum gutters, hose washwater onto dirt areas, or drain onto a bermed surface to be pumped and disposed of properly.

Landscaping



- ❑ Protect stockpiled landscaping materials from wind and rain by storing them under tarps all year-round.
- ❑ Stack bagged material on pallets and under cover.
- ❑ Discontinue application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

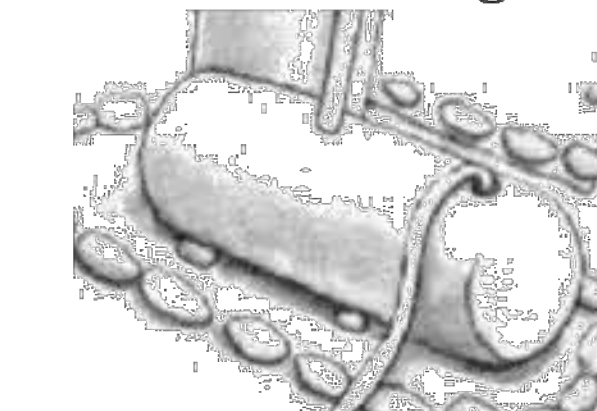
Painting & Paint Removal



Painting Cleanup and Removal

- ❑ Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
- ❑ For water-based paints, paint out brushes to the extent possible, and rinse into a drain that goes to the sanitary sewer. Never pour paint down a storm drain.
- ❑ For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of excess liquids as hazardous waste.
- ❑ Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.
- ❑ Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury, or tributyltin must be disposed of as hazardous waste. Lead based paint removal requires a state-certified contractor.

Dewatering



- ❑ Discharges of groundwater or captured runoff from dewatering operations must be properly managed and disposed. When possible send dewatering discharge to landscaped area or sanitary sewer. If discharging to the sanitary sewer call your local wastewater treatment plant.
- ❑ Divert run-on water from offsite away from all disturbed areas.
- ❑ When dewatering, notify and obtain approval from the local municipality before discharging water to a street gutter or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ❑ In areas of known or suspected contamination, call your local agency to determine whether the ground water must be tested. Pumped groundwater may need to be collected and hauled off-site for treatment and proper disposal.

Storm drain polluters may be liable for fines of up to \$10,000 per day!



Rhino's Construction, Inc.

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Email: rian@rhinosgeneralconstruction.com
Web: rhinosgeneralconstruction.com

2/23/26

Fire Flow Test:

To Whom It May Concern,

This letter is to confirm that a fire flow test was completed at 836 11th Ave., Redwood City, CA 94063.

The results are as follows: 70 psi at 15.81 gallons per minute x 120 minutes (2hrs)=1,821 gallons of flow. This confirms there is adequate amount of flow for the property.

Rian F. Carroll
CA LIC# 992564

CONTACT:
DAVID SCHAFFER, SLM LLC
650-296-6767
david@slmlc.com

836 11TH AVENUE, REDWOOD CITY, CA 94063

INITIAL SUB
12/10/2025
RESUB1
3/6/2026

PREPARED BY
ROCKWELL CHAN
RPC STUDIO RWIC
ROCKC1216@GMAIL.COM

DOC