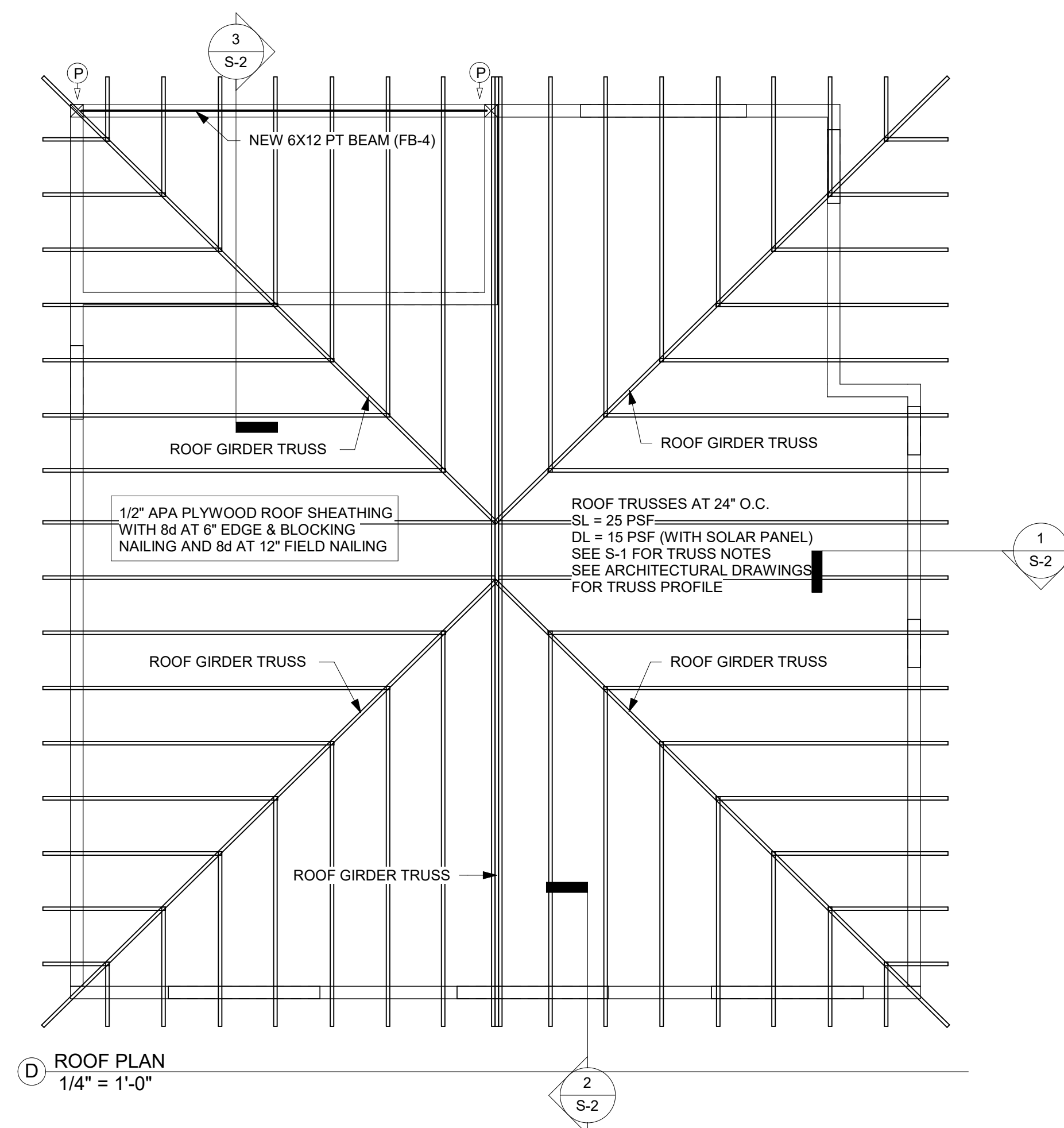
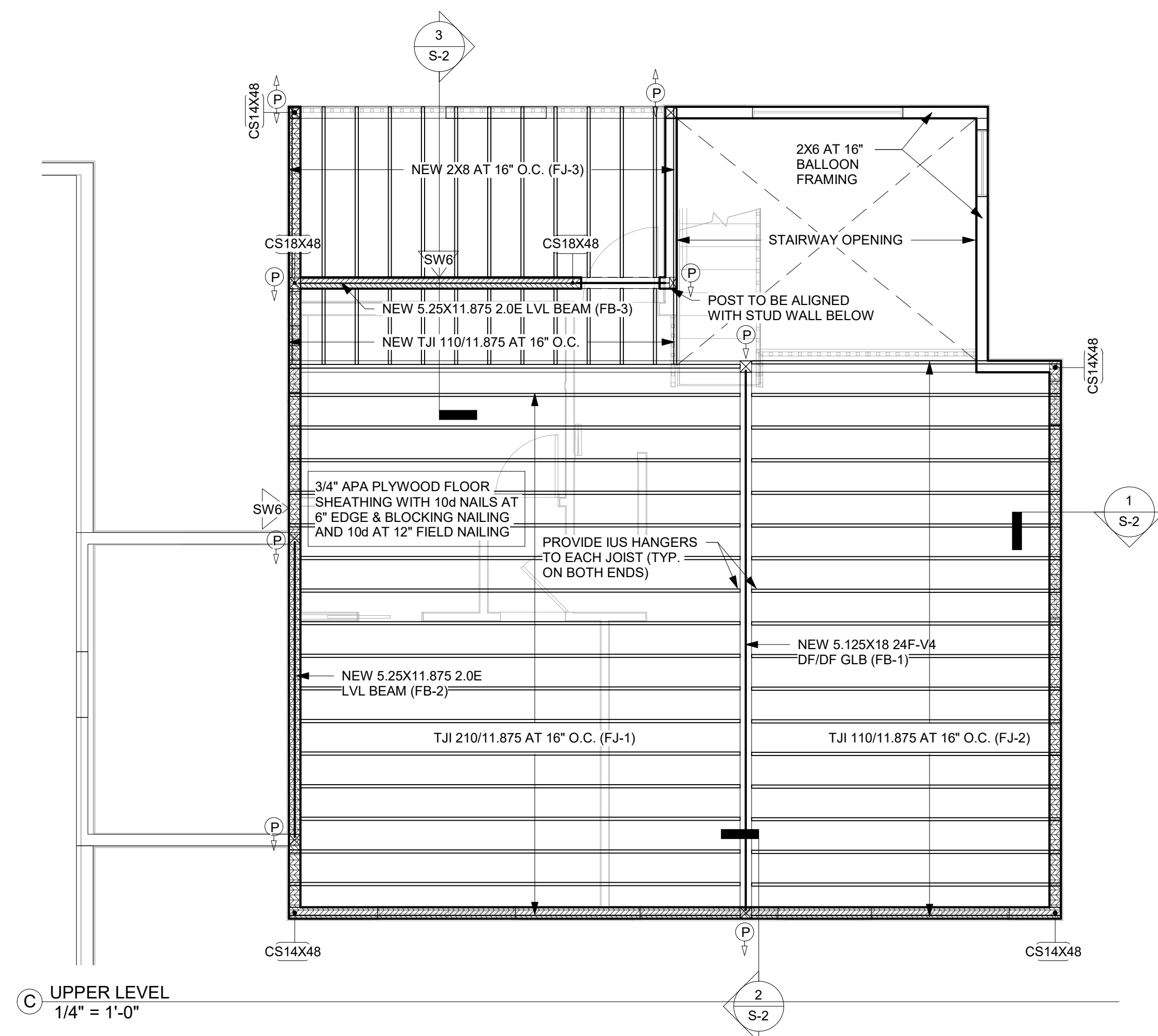


FOOTING SCHEDULE						
Mark Δ	TYPE	WIDTH / DIAMETER	LENGTH / DIAMETER	THICKNESS	COUNT	REINFORCEMENT
1	Footing-Rectangular	2' - 8"	4' - 4"	1' - 0"	2	3 - #4 E.W.



**IMPORTANT NOTES ON DRAWING REVIEW, FIELD VERIFICATION, TEMPORARY SHORING AND WATERPROOFING:**

1. CONTRACTOR MUST REVIEW STRUCTURAL DRAWINGS PRIOR TO CONSTRUCTION & NOTIFY DESIGN TEAM/OWNER OF ANY DISCREPANCY IN COMPARISON WITH ARCHITECTURAL DOCUMENTS OR FIELD CONDITIONS.
2. IN REMODEL/RETROFIT PROJECTS, CONTRACTOR MUST FIELD VERIFY & NOTIFY DESIGN TEAM/OWNER OF EXISTING MECHANICAL, PLUMBING, AND ELECTRICAL LINES THAT MAY INTERFERE WITH STRUCTURAL WORK PRIOR TO CONSTRUCTION. STRUCTURAL DRAWINGS MAY NOT REFLECT ALL EXISTING FRAMING CONDITIONS DUE TO LIMITED AVAILABLE INFORMATION.
3. CONTRACTOR IS SOLELY RESPONSIBLE IN PROVIDING PROPER TEMPORARY SHORING PRIOR TO REMOVING ANY STRUCTURAL ELEMENTS.
4. ENGINEER IS NOT RESPONSIBLE FOR WATERPROOFING SYSTEM OR DETAILS. CONTRACTOR/OWNER SHALL CONSULT WITH QUALIFIED PROFESSIONALS AS REQUIRED.

**IMPORTANT NOTES ON FOUNDATION AND FRAMING:**

1. ALL FOOTINGS SHALL BEAR ON SUITABLE SOIL SUCH AS MIN. OF MEDIUM DENSE NATIVE SOIL OR COMPACTED STRUCTURAL FILL (NO SOFT OR ORGANIC MATERIALS). GEOTECHNICAL ENGINEER MAY BE REQUIRED TO ASSESS EXISTING SOIL CONDITIONS.
2. FOR FRAMING LUMBER TYPES AND GRADES, AND CONCRETE MIX REQUIREMENTS PLEASE SEE S-0
3. FOR PLYWOOD/OSB SHEARWALL SCHEDULE, PLEASE SEE S-XX
4. FOR COMMON HEADER FRAMING DETAIL AND HEADER SIZE, SEE S-XX
5. PROVIDE (2) 2X6 OR (3) 2X4 STUD POSTS AT EACH END OF BEAMS, UNLESS NOTED OTHERWISE ON PLAN
6. SLAB ON GRADE SHALL BE MIN. 4" THICK WITH #3 AT 18" EACH WAY (AT MID-DEPTH) ON 6" COMPACTED CRUSHED ROCK. SAWCUT JOINT (1" DEEP) AT 15 FT MAX. SPACING EACH WAY SHALL BE DONE WITHIN 4 TO 12 HOURS AFTER FINISHING, DEPENDING ON WEATHER.
7. FLOOR SHEATHING SHALL BE 3/4" PLYWOOD OR OSB WITH 10d AT 6" NAILING AT EDGES & BLOCKING AND AT 12" AT FIELD
8. ROOF SHEATHING SHALL BE 1/2" PLYWOOD OR OSB WITH 8d AT 6" NAILING AT EDGES & BLOCKING AND AT 12" AT FIELD

**IMPORTANT NOTES ON TRUSS AND LUMBER PACKAGE/LUMBER PACKAGE REVIEW:**

1. TRUSS FRAMING LAYOUT SHOWN IS GENERAL CONCEPT ONLY. CONTRACTOR/TRUSS SUPPLIER MUST SUBMIT TRUSS SHOP DRAWINGS INCLUDING TRUSS TEMPORARY/PERMANENT BRACING PLANS FOR ENGINEER'S REVIEW.
2. TRUSS FRAMING PROFILE/LAYOUT SHOULD CONFORM TO BOTH STRUCTURAL AND ARCHITECTURAL DRAWINGS. ANY DEVIATIONS SHALL BE APPROVED BY ENGINEER/ARCHITECT PRIOR TO TRUSS DESIGN WORK.
3. TRUSS DEFLECTION CRITERIA:  
FLOOR/DECK TOTAL LOAD = L/480  
FLOOR/DECK LIVE LOAD = L/600  
ROOF TOTAL LOAD = L/240  
ROOF SNOW LOAD = L/300  
\*\* MAXIMUM TOTAL LOAD DEFLECTION SHOULD NOT EXCEED 1.0" IN ALL CASES
4. FLOOR/ROOF FRAMING LAYOUT AND CONNECTORS (SUCH AS LUMBER PACKAGE BY SUPPLIERS) MUST BE SUBMITTED FOR ENGINEER'S REVIEW PRIOR TO CONSTRUCTION

**FRAMING SYMBOLS:**

- SS24 SIMPSON WSW WOOD STRONG WALL (24" WIDE)
- SS24X9 PLYWOOD SHEARWALL
- SW6 PLYWOOD SHEARWALL
- A SHEARWALL HOLDOWN
- CONTINUOUS POST
- POST STOPS BELOW THIS FLOOR
- POST STARTS AT THIS FLOOR

**LEGEND AND NOTES**  
1/4" = 1'-0"

TSO ADDITION

8802 SE 37TH ST  
MERCER ISLAND, WA  
98040

DRAWING INFO

ISSUE DATE 06-09-22

ISSUED FOR PERMIT

PROJECT NO.22126

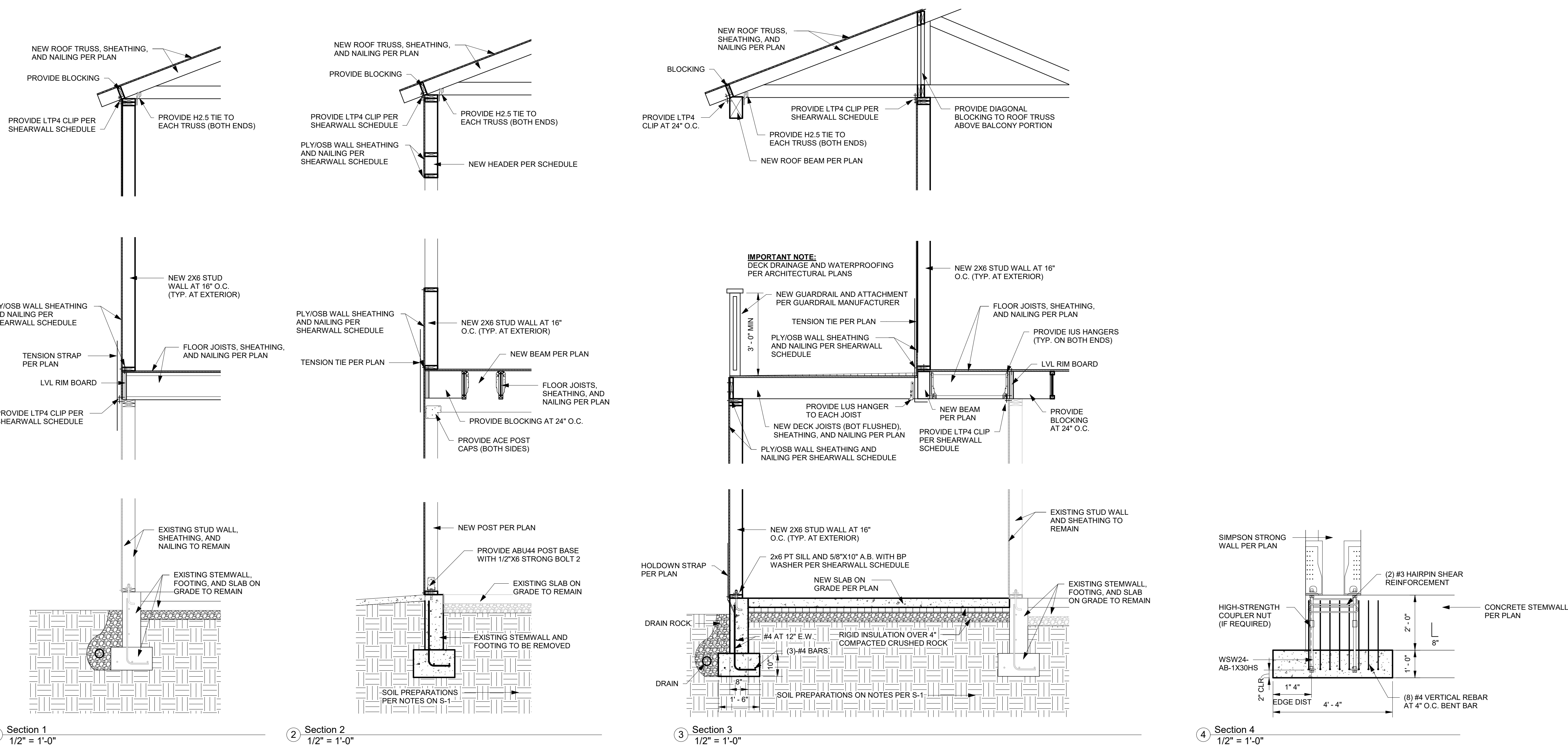
ENGINEER BB

REVISION SCHEDULE

NO.	DATE	DESCRIPTION

FRAMING PLANS

S-1



TSO ADDITION

8802 SE 37TH ST  
MERCER ISLAND, WA  
98040

DRAWING INFO

ISSUE DATE 06-09-22

ISSUED FOR PERMIT

PROJECT NO.22126

ENGINEER BB

REVISION SCHEDULE

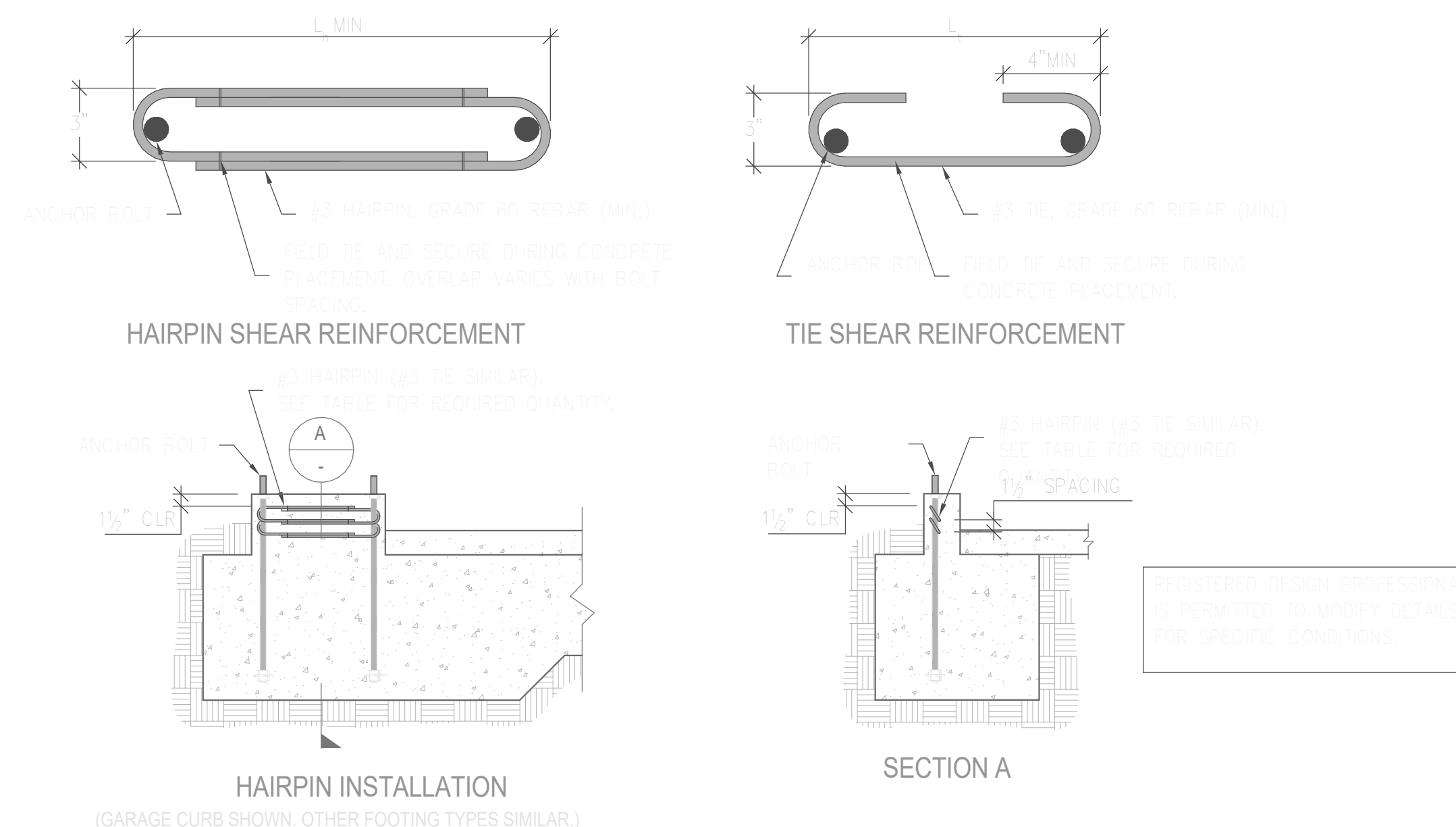
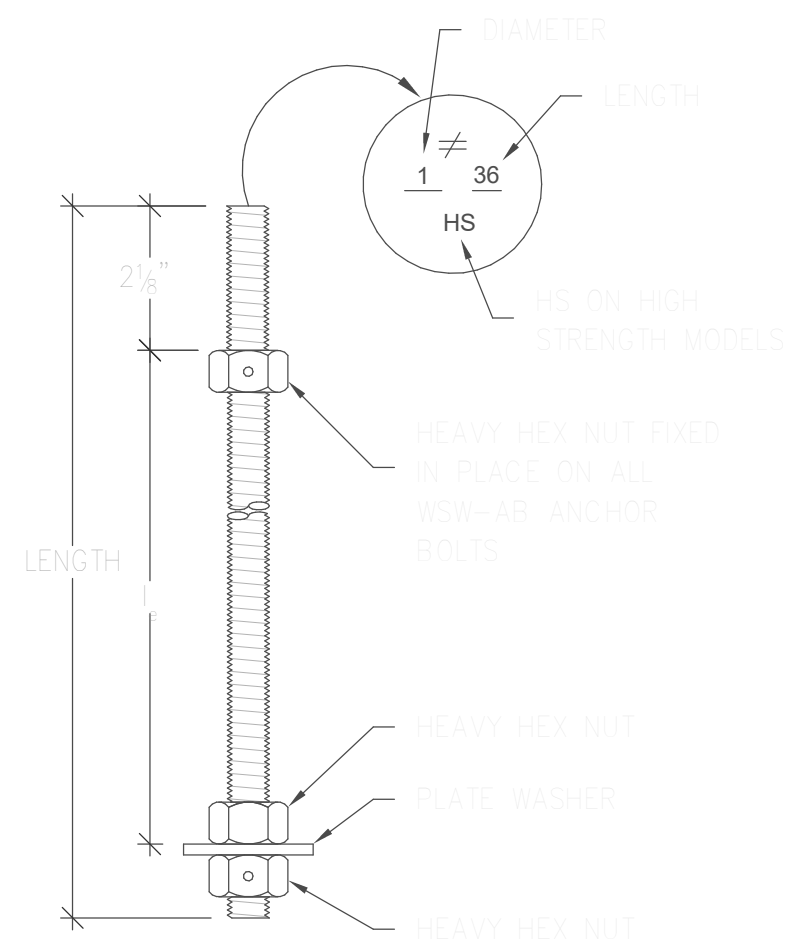
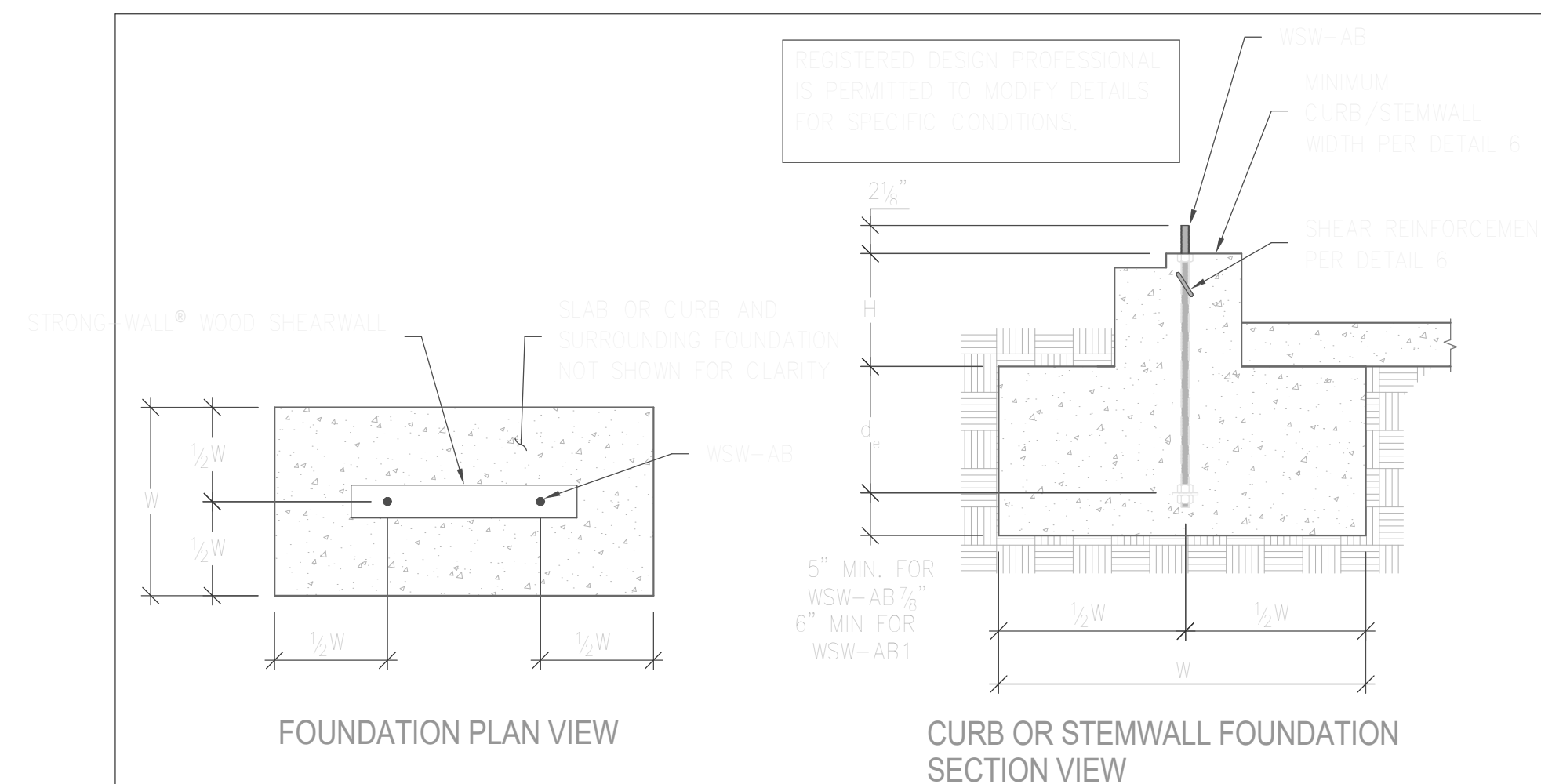
NO.	DATE	DESCRIPTION

FRAMING DETAILS

S-2

**E** SHEARWALL SCHEDULE  
3/4" = 1'-0"

**F** TYP. WALL OPENING FRAMING  
3/4" = 1'-0"



WSW ANCHORAGE SOLUTIONS FOR 2500 PSI CONCRETE								
DESIGN CRITERIA	CONCRETE CONDITION	ANCHOR STRENGTH <sup>1</sup>	WSW-AB 1/8" ANCHOR BOLT			WSW-AB1 ANCHOR BOLT		
			ASD ALLOWABLE UPLIFT	W (lbs)	de (in)	ASD ALLOWABLE UPLIFT (lbs)	W (in)	de (in)
SEISMIC	CRACKED	STANDARD	1000	100	1.5	1000	100	1.5
		HIGH STRENGTH	1500	150	2.25	1500	150	2.25
	UNCRACKED	STANDARD	1000	100	1.5	1000	100	1.5
		HIGH STRENGTH	1500	150	2.25	1500	150	2.25
WIND	CRACKED	STANDARD	1000	100	1.5	1000	100	1.5
		HIGH STRENGTH	1500	150	2.25	1500	150	2.25
	UNCRACKED	STANDARD	1000	100	1.5	1000	100	1.5
		HIGH STRENGTH	1500	150	2.25	1500	150	2.25

STRONG-WALL® WOOD SHEARWALL SHEAR ANCHORAGE							
MODEL	L OR L <sub>1</sub> (in.)	SEISMIC <sup>1</sup>	SHEAR REINFORCEMENT	MIN CURB/STEMWALL WIDTH (in.)	SHEAR REINFORCEMENT	WIND <sup>4</sup>	
						ASD ALLOWABLE SHEAR LOAD V (lbs.) <sup>6</sup>	
						UNCRACKED	CRACKED
WSW1	100	(1) #3 HR	8"	SEE DETAIL 2	8"	1000	1000
WSW2	10	(1) #3 HAIRPIN	8"	(1) #3 HAIRPIN	8"	1000	1000
WSW3	10	(1) #3 HAIRPIN	8"	(1) #3 HAIRPIN	8"	1000	1000

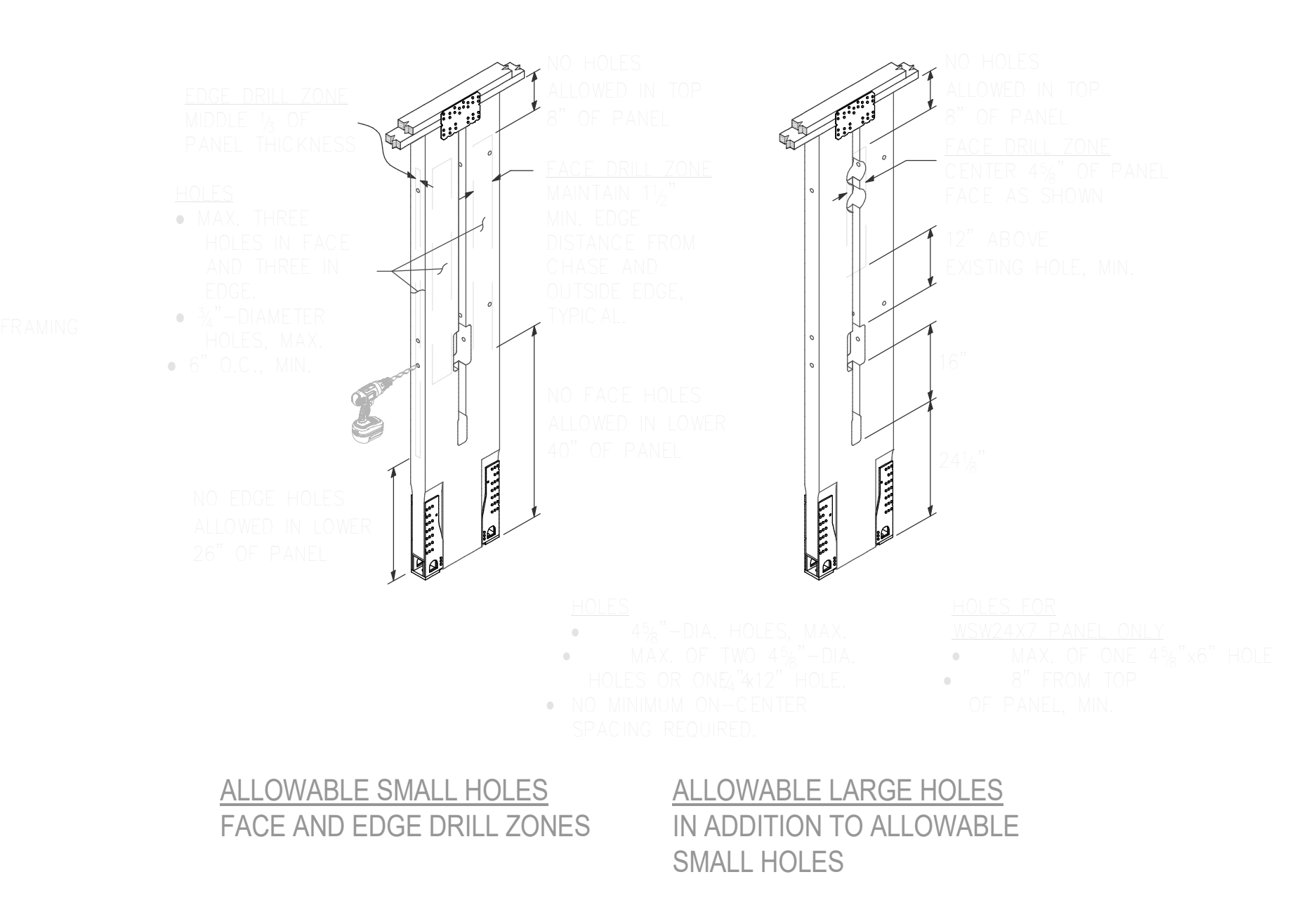
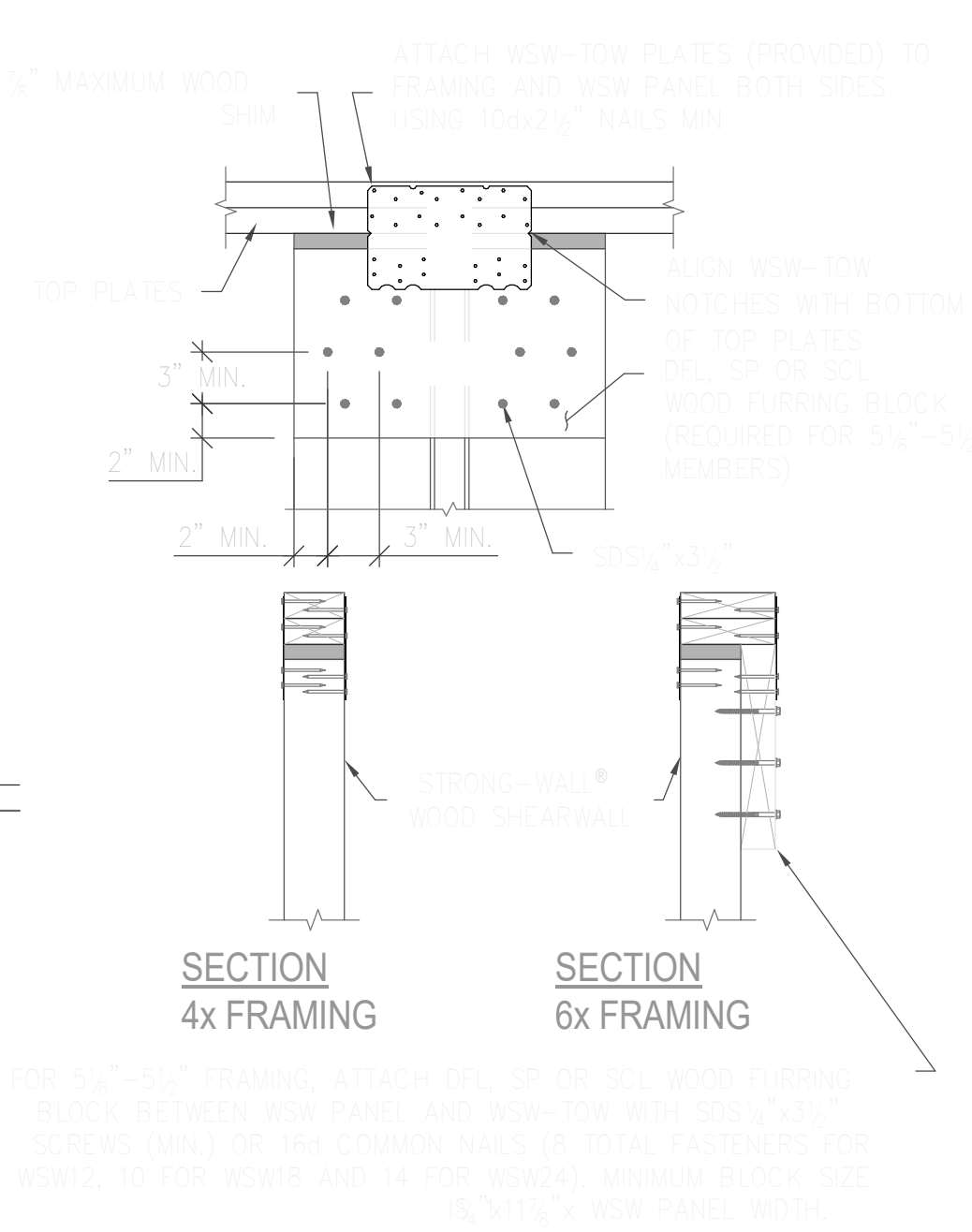
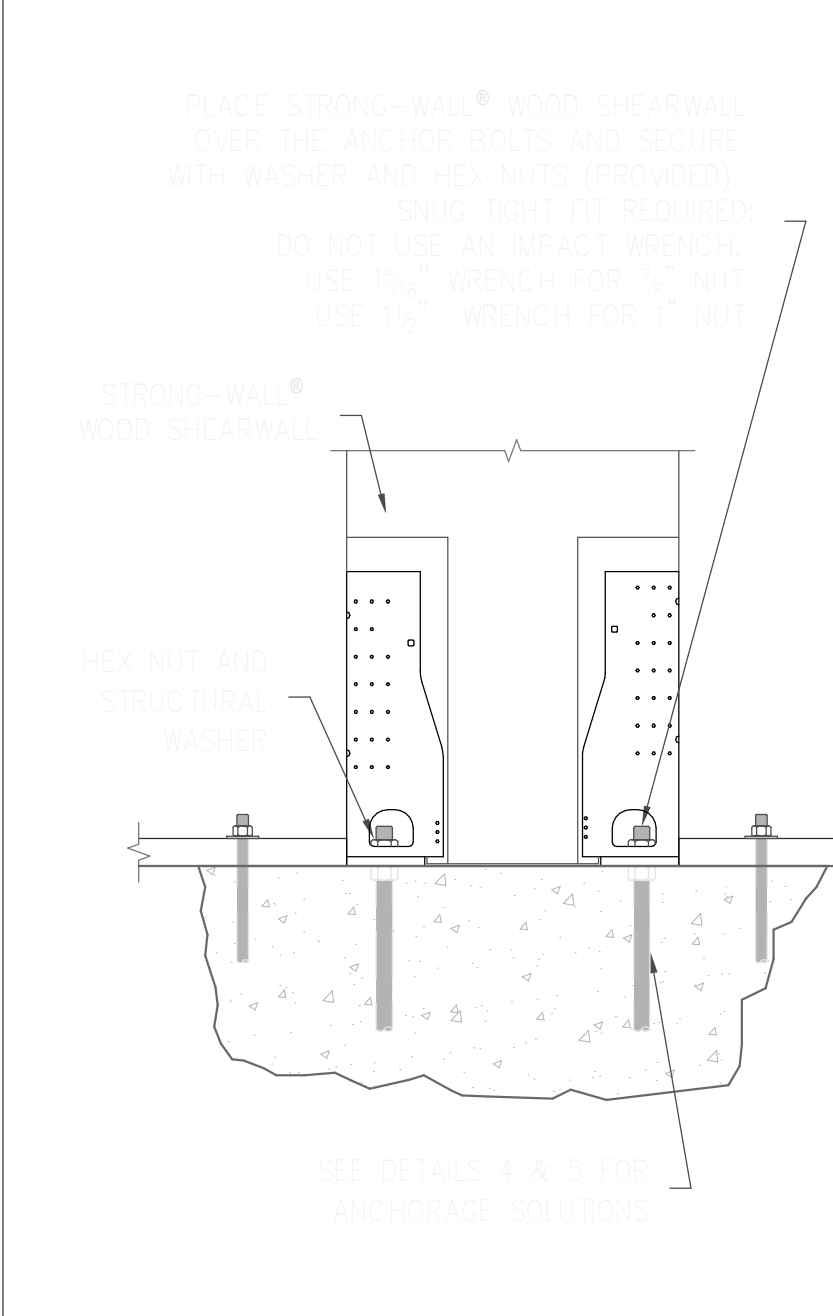
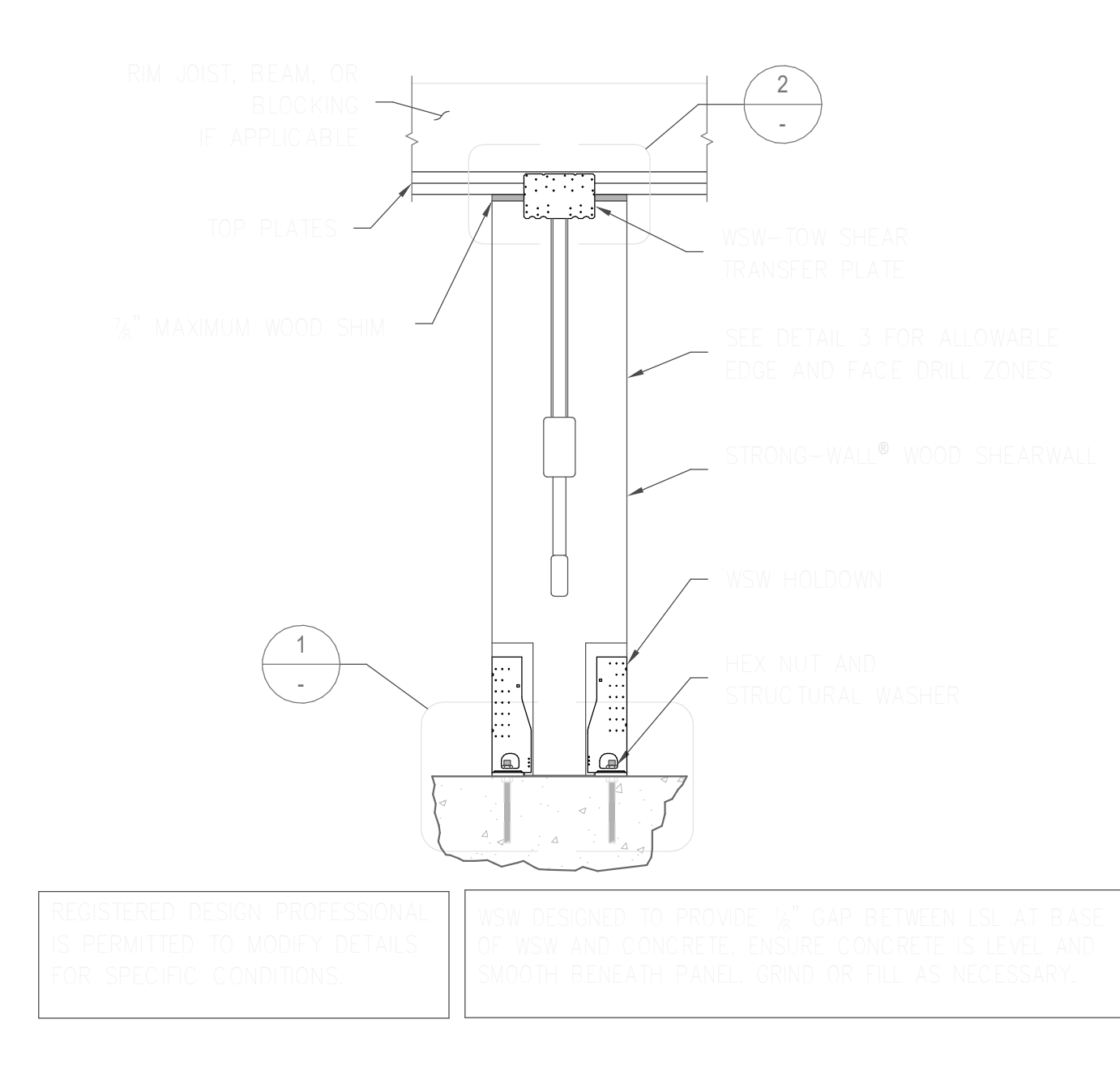
- NOTES:
- ANCHORAGE DESIGNS CONFORM TO ACI 318-11 APPENDIX D AND ACI 318-14 WITH NO SUPPLEMENTARY REINFORCEMENT FOR CRACKED OR UNCRACKED CONCRETE AS NOTED.
  - ANCHOR STRENGTH INDICATES REQUIRED GRADE OF WSW-AB ANCHOR BOLT: STANDARD (ASTM F1554 GRADE 36) OR HIGH STRENGTH (HS) (ASTM A449).
  - SEISMIC INDICATES SEISMIC DESIGN CATEGORY (C-F), DETACHED 1 AND 2 FAMILY DWELLINGS IN SDC 2 MAY USE WIND ANCHORAGE SOLUTIONS; SEISMIC ANCHORAGE DESIGNS CONFORM TO ACI 318-11 SECTION 18.3.4.3 AND ACI 318-14 SECTION 18.3.4.3.
  - WIND INCLUDES SEISMIC DESIGN CATEGORY A AND B AND DETACHED 1 AND 2 FAMILY DWELLINGS IN SDC 2.
  - FOUNDATION DIMENSIONS ARE FOR ANCHORAGE ONLY; FOUNDATION DESIGN (PILE AND REINFORCEMENT) BY OTHERS. THE REGISTERED DESIGN PROFESSIONAL MAY SPECIFY ALTERNATE EMBEDMENT, EMBEDMENT SIZE OR ANCHOR BOLT.
  - REFER TO SECTION VIEW FOR 4.

- NOTES:
- SHEAR ANCHORAGE DESIGNS CONFORM TO ACI 318-11 AND ACI 318-14 AND ASSUME MINIMUM 2500 PSI CONCRETE.
  - SHEAR REINFORCEMENT IS NOT REQUIRED FOR INTERIOR FOUNDATION APPLICATIONS (PANEL INSTALLED AWAY FROM EDGE OF CONCRETE) OR BRICKY WALL PANEL APPLICATIONS.
  - SEISMIC INDICATES SEISMIC DESIGN CATEGORY D THROUGH F; DETACHED 1 AND 2 FAMILY DWELLINGS IN SDC 2 MAY USE WIND ANCHORAGE SOLUTIONS.
  - WIND INCLUDES SEISMIC DESIGN CATEGORY A AND B AND DETACHED 1 AND 2 FAMILY DWELLINGS IN SDC 2.
  - WHERE NOTED, MINIMUM CURB/STEMWALL WIDTH IS 6 INCHES WHEN STANDARD STRENGTH ANCHOR BOLT IS USED.
  - USE (1) #3 HR FOR WSW1; WIND PANEL DESIGN SHEAR FORCE EXCEEDS TABULATED ANCHORAGE ALLOWABLE SHEAR LOAD.
  - #4 GRADE 40 SHEAR REINFORCEMENT MAY BE SUBSTITUTED FOR WSW SHEAR ANCHORAGE SOLUTIONS.

2500 PSI CONCRETE ANCHORAGE SOLUTIONS 4

WSW ANCHOR BOLTS 5

STRONG-WALL® WSW SHEAR ANCHORAGE SCHEDULE AND DETAILS 6



SINGLE STORY WSW ON CONCRETE 0

STANDARD INSTALLATION 1

STANDARD TOP CONNECTION 2

TRIM ZONE AND ALLOWABLE HOLES 3

TSO ADDITION

8802 SE 37TH ST  
MERCER ISLAND, WA  
98040

DRAWING INFO

ISSUE DATE 06-09-22  
ISSUED FOR PERMIT  
PROJECT NO.22126  
ENGINEER BB

REVISION SCHEDULE

NO.	DATE	DESCRIPTION

WSW DETAILS