

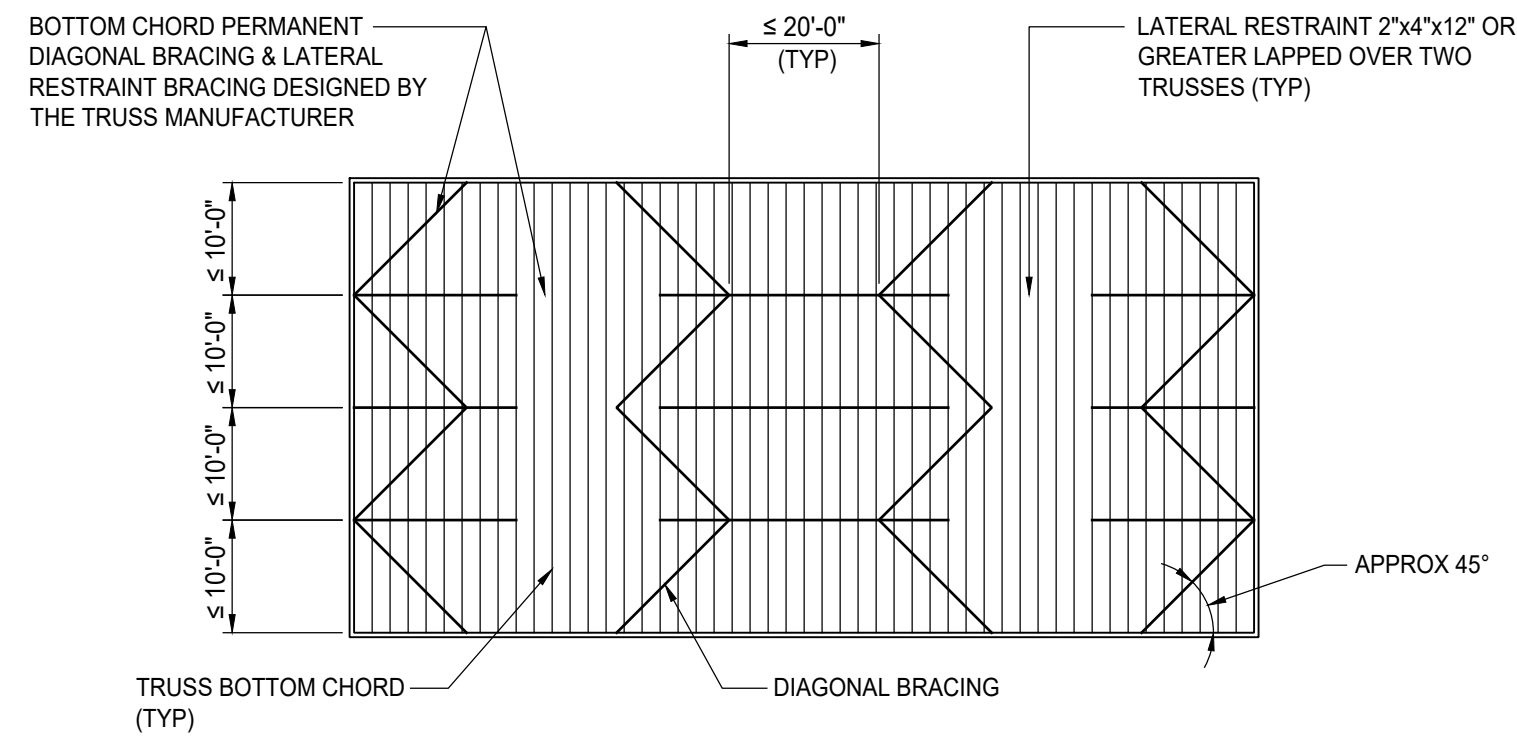
TRUSS BRACING NOTES

- WOOD TRUSSES SHALL BE BRACED AND ERECTED IN ACCORDANCE WITH THE "TRUSS PLATE INSTITUTE" BRACING WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS.
- BRACING IN THE PLANE OF THE WEB MEMBERS
 - THE TRUSS FABRICATOR SHALL PROVIDE AND LOCATE CONTINUOUS LATERAL BRACING FOR EACH TRUSS WEB MEMBER AS REQUIRED.
 - LATERAL BRACING SHALL BE RESTRAINED BY DIAGONAL BRACING (MIN. 2" THICK NOMINAL LUMBER). THIS BRACING IS TO BE CONTINUOUS.
 - A MINIMUM OF TWO ROWS OF DIAGONAL BRACING IS REQUIRED, ONE AT EACH VERTICAL WEB MEMBER CLOSEST TO BEARING LOCATIONS.
- THE BOTTOM CHORDS SHALL BE BRACED BY CONTINUOUS LATERAL BRACING SPACED AT 8 TO 10 FEET NAILED TO TOP OF THE BOTTOM CHORD. DIAGONALS PLACED AT 45 DEGREES TO THE LATERAL BRACES SHALL BE LOCATED AT EACH END. IF BUILDING EXCEEDS 60 FEET IN LENGTH, DIAGONAL BRACING SHOULD BE REPEATED AT 20 FOOT INTERVALS.
- TOP CHORD BRACING
 - IF PLYWOOD DECKING IS APPLIED DIRECTLY TO TOP CHORD, PROPERLY LAPPED AND NAILED TO DEVELOP DIAPHRAGM ACTION, BRACING IS NOT REQUIRED.
 - IF PURLINS ARE USED, DIAGONAL TOP CHORD BRACING IS REQUIRED AT EACH END. IF BUILDING EXCEEDS 60 FEET IN LENGTH, DIAGONAL BRACING SHOULD BE REPEATED AT 20 FOOT INTERVALS.
- WOOD ROOF TRUSSES ARE TO BE DESIGNED FOR THE WOOD FABRICATOR BY A PROFESSIONAL ENGINEER AND SEALED CALCULATIONS ARE TO BE SUBMITTED FOR APPROVAL.

TYPICAL TRUSS BRACING DETAILS

SCALE: NTS

INSTALL ROWS OF DIAGONAL BRACING AT INTERVALS OF NO MORE THAN 20' ALONG THE LENGTH OF THE BUILDING, OR AS SPECIFIED BY THE BUILDING DESIGNER, TO PROVIDE STABILITY AND TRANSFER THE FORCES FROM THE LATERAL RESTRAINT TO THE LATERAL FORCE RESISTING SYSTEM.



GRAVITY LOAD DESIGN SCHEDULE (ALL LOADS SHOWN ARE IN POUNDS PER SQ. FT.)			
COMPONENT	AREA		
	4" SLAB ON GRADE	ROOF AREAS	
WOOD TRUSSES/FRAMING		6	
METAL FRAMING			
PLYWOOD DECK		2	
CEILING		2	
ROOFING		5	
INSULATION			
MISC./COLLATERAL		5	
4" CONCRETE SLAB	50		
TOTAL DEAD LOAD	50	20	
LIVE LOAD	100	30*	
TOTAL LOAD	150	50	

- ALL LOADS ARE IN ACCORDANCE WITH THE 2021 INTERNATIONAL BUILDING CODE, NEW JERSEY EDITION.
- * INDICATES 24 PSF LIVE LOAD AT TOP CHORD OF TRUSSES. REMAINDER OF LIVE LOAD TO BE APPLIED TO THE BOTTOM CHORD.

LATERAL LOAD DESIGN SCHEDULE			
WIND CRITERIA			
DESCRIPTION	SYMBOL	VALUE	
ULTIMATE WIND SPEED (3 SECOND GUST)	V _u	115 MPH	
RISK CATEGORY	-	II	
EXPOSURE CATEGORY	-	C	
INTERNAL PRESSURE COEFF	G _{CpI}	+/- 0.18	
SEISMIC CRITERIA			
DESCRIPTION	SYMBOL	VALUE	
OCCUPANCY CATEGORY	-	II	
SEISMIC IMPT FACTOR	I _E	1.0	
MAPPED SPECTRAL ACCEL FOR SHORT PERIODS	S _S	0.223 g	
MAPPED SPECTRAL ACCEL FOR ONE SECOND PERIOD	S ₁	0.064 g	
SPECTRAL RESPONSE COEFF	S _{DS}	0.237 g	
SPECTRAL RESPONSE COEFF	S _{D1}	0.102 g	
SITE CLASS	-	D	
SEISMIC DESIGN CATEGORY	-	B	
RESPONSE MOD FACTOR	R	6 1/2	
SEISMIC RESPONSE COEFF	C _S	0.037	
BASIC SEISMIC FORCE RESIST SYS	LIGHT FRAME WALLS w/ WOOD SHEAR PANELS		
DESIGN BASE SHEAR (ULTIMATE LOAD)	V	0.59 KIPS	
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE PROCEDURE		

COMPONENT AND CLADDING ULTIMATE WIND LOAD DESIGN PRESSURES			
ROOF			
ALL LOADS BASED ON 20 SQ FT WIND AREA			
ZONE 1	+16.0 PSF	-26.2 PSF	
ZONE 2	+16.0 PSF	-59.4 PSF	
ZONE 3	+16.0 PSF	-87.8 PSF	
WALLS			
ALL LOADS BASED ON 20 SQ FT WIND AREA			
ZONE 4	+28.1 PSF	-30.6 PSF	
ZONE 5	+28.1 PSF	-36.8 PSF	

- NOTES:**
- ALL LOADS SHOWN ARE IN POUNDS PER SQ FT.
 - THE "s" WIDTH FOR EDGE STRIPS AND END ZONES SHALL BE TAKEN AS 3'-0".
 - NEGATIVE NUMBERS DENOTE WIND FORCE ACTING AWAY FROM THE SURFACE UNDER CONSIDERATION (IE. SUCTION).
 - ALL LOADS ARE IN ACCORDANCE WITH ASCE 7-16.

SNOW LOAD DESIGN SCHEDULE			
DESCRIPTION	SYMBOL	VALUE	
GROUND SNOW LOAD	P _g	30 PSF	
SLOPED-ROOF SNOW LOAD	P _f	23.1 PSF	
SNOW EXPOSURE FACTOR	C _e	1.0	
THERMAL FACTOR	C _t	1.1	
SNOW LOAD IMPT. FACTOR	I	1.0	

SPECIAL INSPECTION AND TESTING (IBC 2021 CHAPTER 17)

- ALL TESTS AND INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT TESTING AND INSPECTION AGENCY. THE SPECIAL INSPECTOR FROM THIS TESTING AGENCY SHALL OBSERVE THE WORK FOR CONFORMANCE TO THE DESIGN DRAWINGS AND SPECIFICATIONS. THE SPECIAL INSPECTOR SHALL BE TRAINED/CERTIFIED TO PERFORM THE REQUIRED SPECIAL INSPECTIONS. THE SPECIAL INSPECTOR SHALL SUBMIT WRITTEN DOCUMENTATION OF CERTIFICATIONS FOR RECORD PRIOR TO CONSTRUCTION.
- THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ENGINEER OR ARCHITECT OF RECORD, AND ALL OTHER DESIGNATED INDIVIDUALS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF NOT CORRECTED, TO THE PROPER DESIGN AUTHORITY AND TO THE BUILDING OFFICIAL.
- THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS, SPECIFICATIONS, SOILS REPORT AND APPLICABLE WORKMANSHIP PROVISIONS OF THE INTERNATIONAL BUILDING CODE.
- STRUCTURAL OBSERVATIONS BY THE STRUCTURAL ENGINEER SHALL NOT BE CONSIDERED A SPECIAL INSPECTION.
- THE FOLLOWING ITEMS MARKED "X" REQUIRE SPECIAL INSPECTIONS: (REFER TO IBC 2021 CHAPTER 17 FOR ADDITIONAL INFORMATION)

VERIFICATION AND INSPECTION		INSPECTION REQUIRED	
		CONTINUOUS	PERIODIC
1705.3 - CONCRETE CONSTRUCTION			
1.	Inspection of reinforcement including prestressing tendons and verification of placement		X
2.	Inspection of reinforcing bar welding (in accordance with AWS D1.4):		
a.	Verification of weldability of reinforcing bars other than ASTM A706		X
b.	Inspection of single-pass fillet welds, maximum 5/16"		X
c.	Inspection of all other welds	X	
3.	Inspection of anchors cast in concrete		X
4.	Inspection of anchors post-installed in hardened concrete members:		
a.	Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads	X	
b.	Mechanical anchors and adhesive anchors not defined in 4.a		X
5.	Verification of required design mix		X
6.	Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	X	
7.	Inspection of concrete and shotcrete placement for proper application techniques	X	
8.	Verification of maintenance of specified curing temperature and techniques		X
9.	Inspection of prestressed concrete for:		
a.	Application of prestressing forces	X	
b.	Grouting of bonded prestressing tendons	X	
10.	Inspection of erection of precast concrete members		X
11.	Verification of in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs		X
12.	Inspection of formwork for shape, location, and dimensions of the concrete member being formed		X

VERIFICATION AND INSPECTION		INSPECTION REQUIRED	
		CONTINUOUS	PERIODIC
1705.5 - WOOD CONSTRUCTION			
Special inspection for wood construction shall be in accordance with IBC Section 1705.5. At a minimum, the following inspections are required:			
1.	Verify, size, species and grade of lumber/sheathing complies with construction documents.		X
2.	Verify nailing of diaphragm floor and roof sheathing and shear walls complies with construction documents.		X
3.	Verify wood shear wall hold downs conform to construction documents.		X
4.	Verify attachment of shear wall sill plates at foundations and floors.		X

VERIFICATION AND INSPECTION		INSPECTION REQUIRED	
		CONTINUOUS	PERIODIC
1705.6 - SOILS			
1.	Verification of materials below shallow foundations are adequate to achieve the design bearing capacity		X
2.	Verification that excavations are extended to proper depth and have reached proper material		X
3.	Perform classification and testing of compacted fill materials.		X
4.	Verification of use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill	X	
5.	Prior to placement of compacted fill, inspection of subgrade and verify that site has been prepared properly		X

ISSUED DRAWINGS:	
03/30/21	ISSUED FOR CONSTRUCTION PERMIT
GENERAL NOTES:	

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NJ Certificate of Authorization No. GA278884
Project No. 207.52

TIMOTHY D. JENNINGS
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NJ LIC. NO. 24GE0383500

PROJECT: **PROPOSED UTILITY/ WINERY**
VINTAGE @ HAMILTON
HAMILTON TOWNSHIP, NEW JERSEY

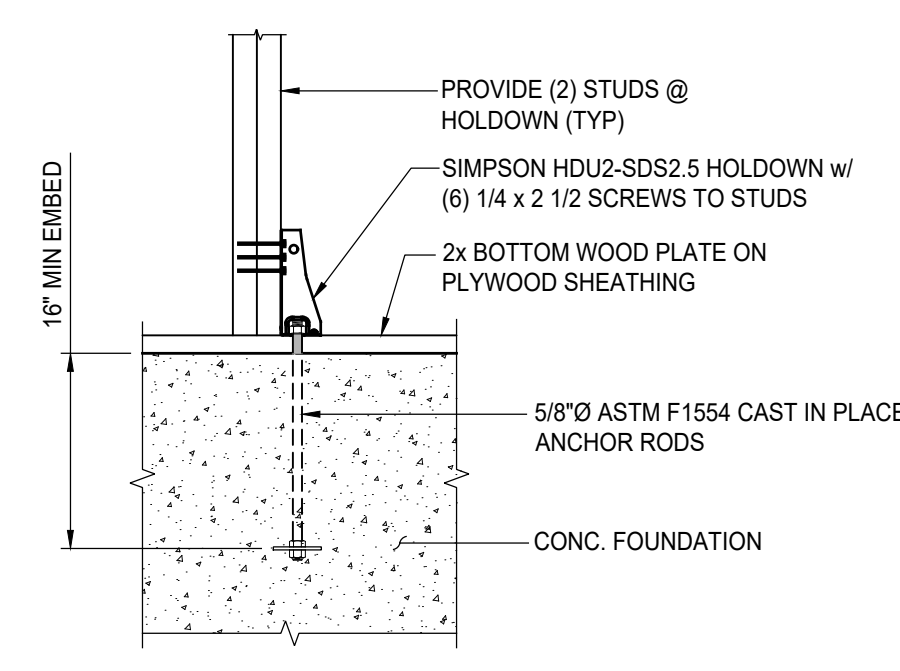
CLIENT: **SHARBELL DEVELOPMENT CORP.**
30 Years of Building Excellence

REV.	DATE	REVISION

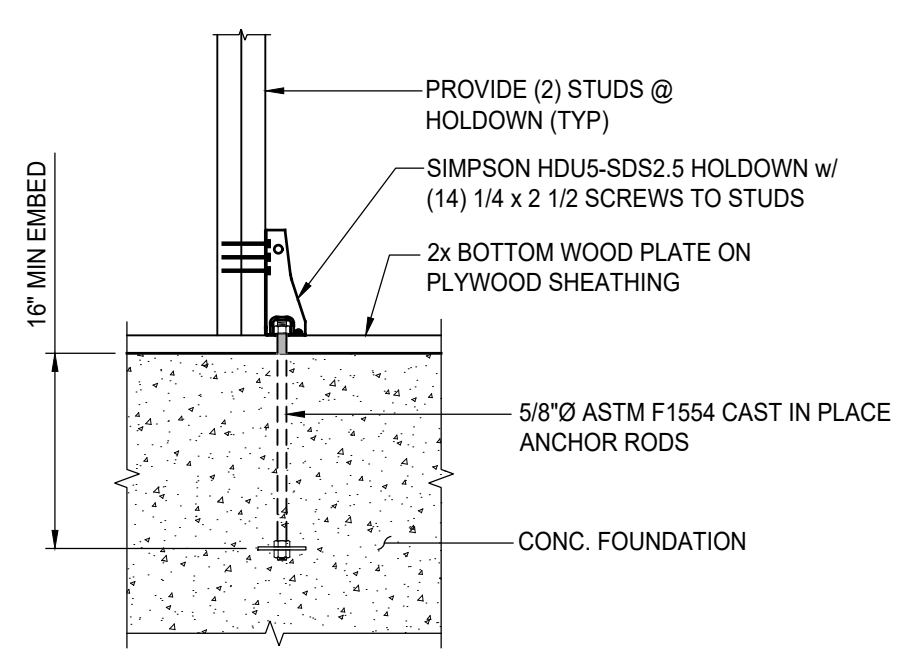
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DRAWN MS	
CHECKED TJ	
APPROVED TJ	
SCALE: AS NOTED	SHEET NO. S-001
PROJ. NO.: 207.52	DATE: July 15, 2024

ISSUED FOR CONSTRUCTION PERMIT - 07/15/2024

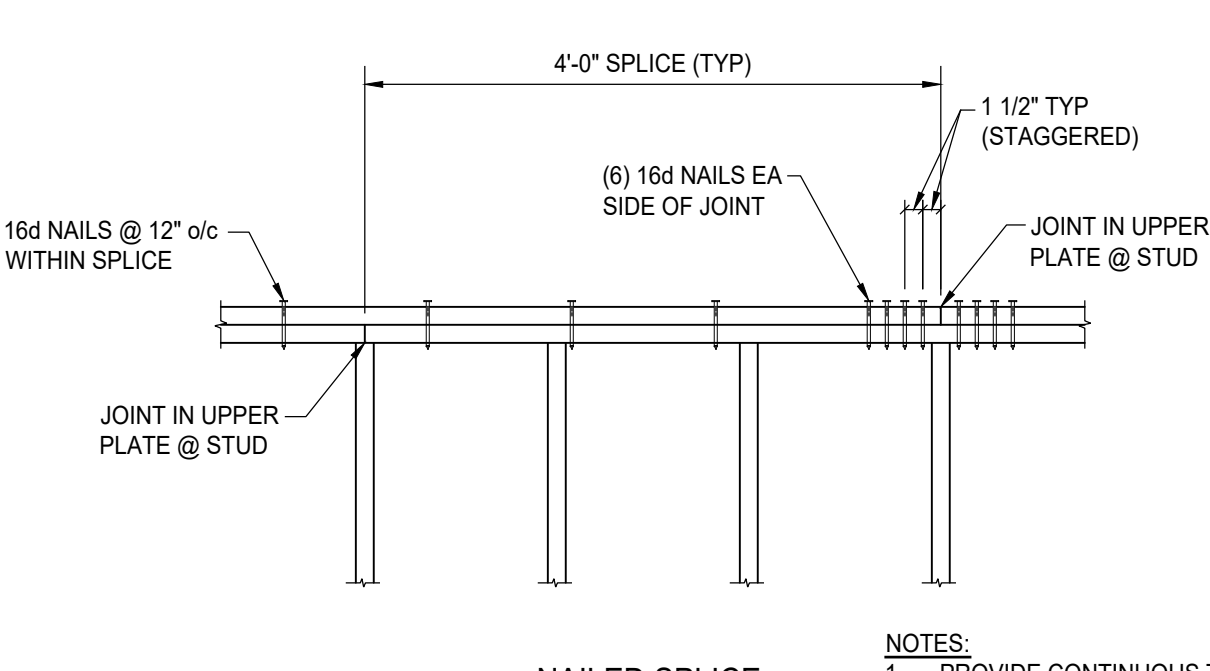
ISSUED DRAWINGS:	
03/30/21	ISSUED FOR CONSTRUCTION PERMIT
GENERAL NOTES:	



A
S-200
TYPICAL HOLDOWN DETAIL
NOT TO SCALE

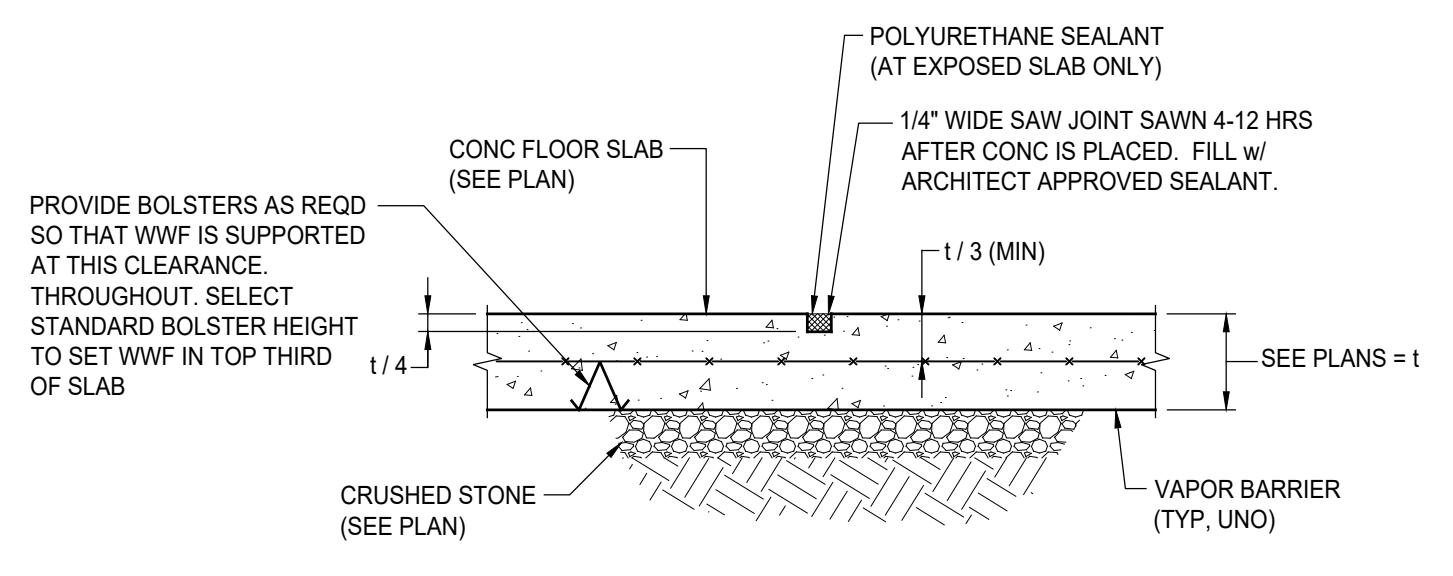


A.1
S-200
HOLDOWN DETAIL
NOT TO SCALE

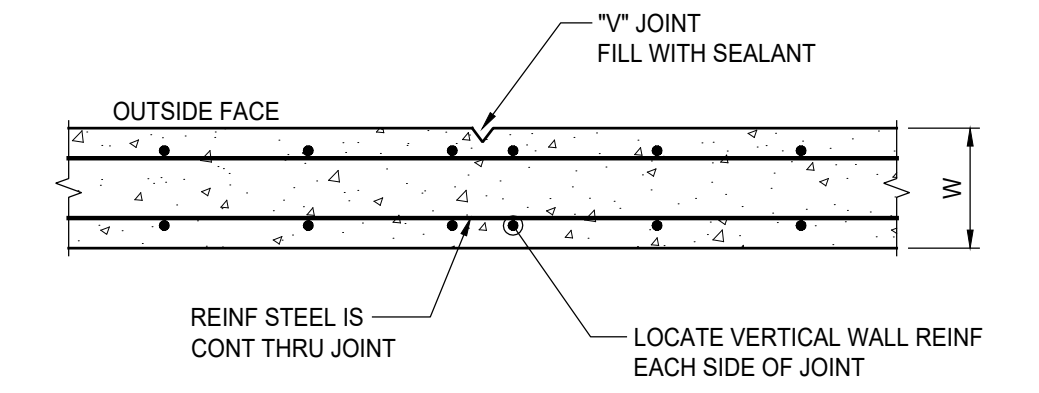


B
S-200
TYPICAL TOP PLATE SPLICES
NOT TO SCALE

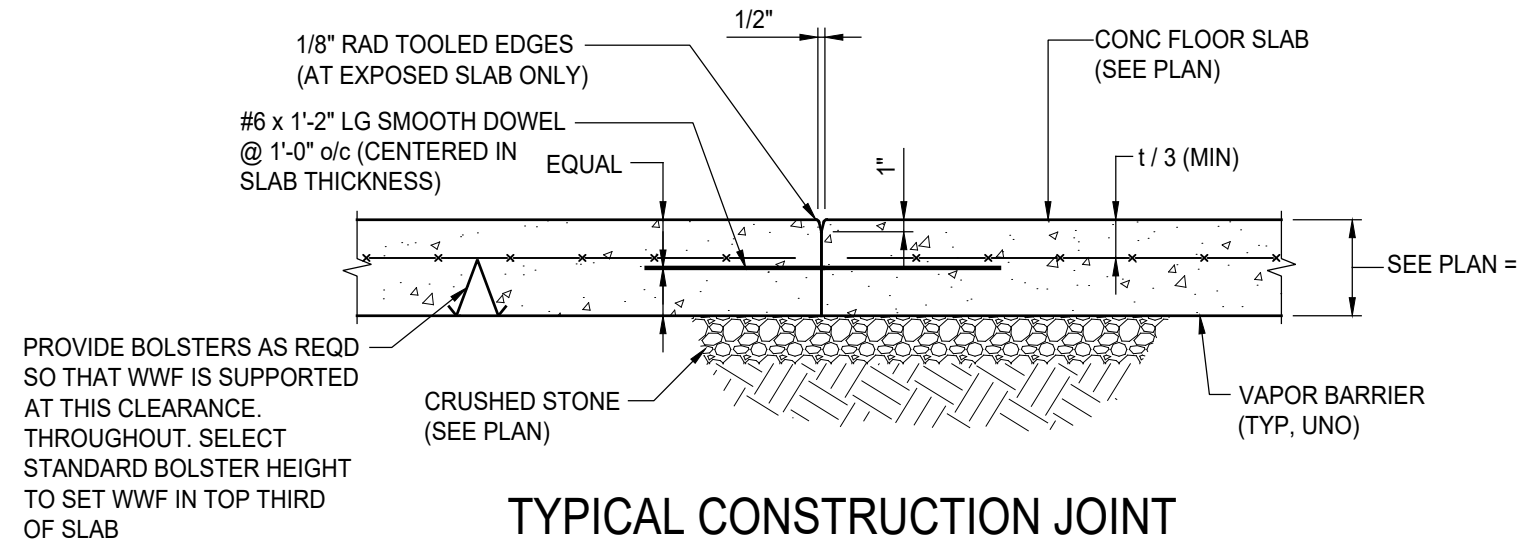
NOTES:
1. PROVIDE CONTINUOUS TOP PLATES (NO JOINTS) WHERE WALLS ARE 12'-0" OR LESS IN LENGTH.



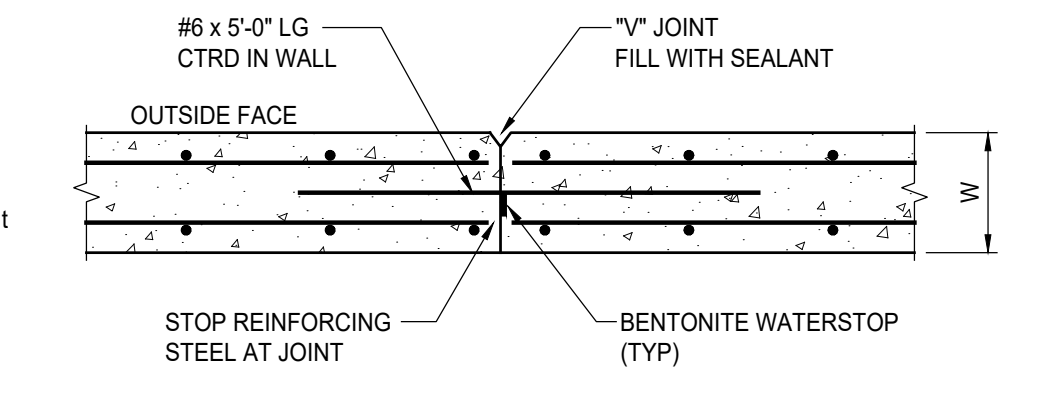
C
S-200
TYPICAL CONTROL JOINT (CJ)
FOR SLAB ON GRADE
NOT TO SCALE



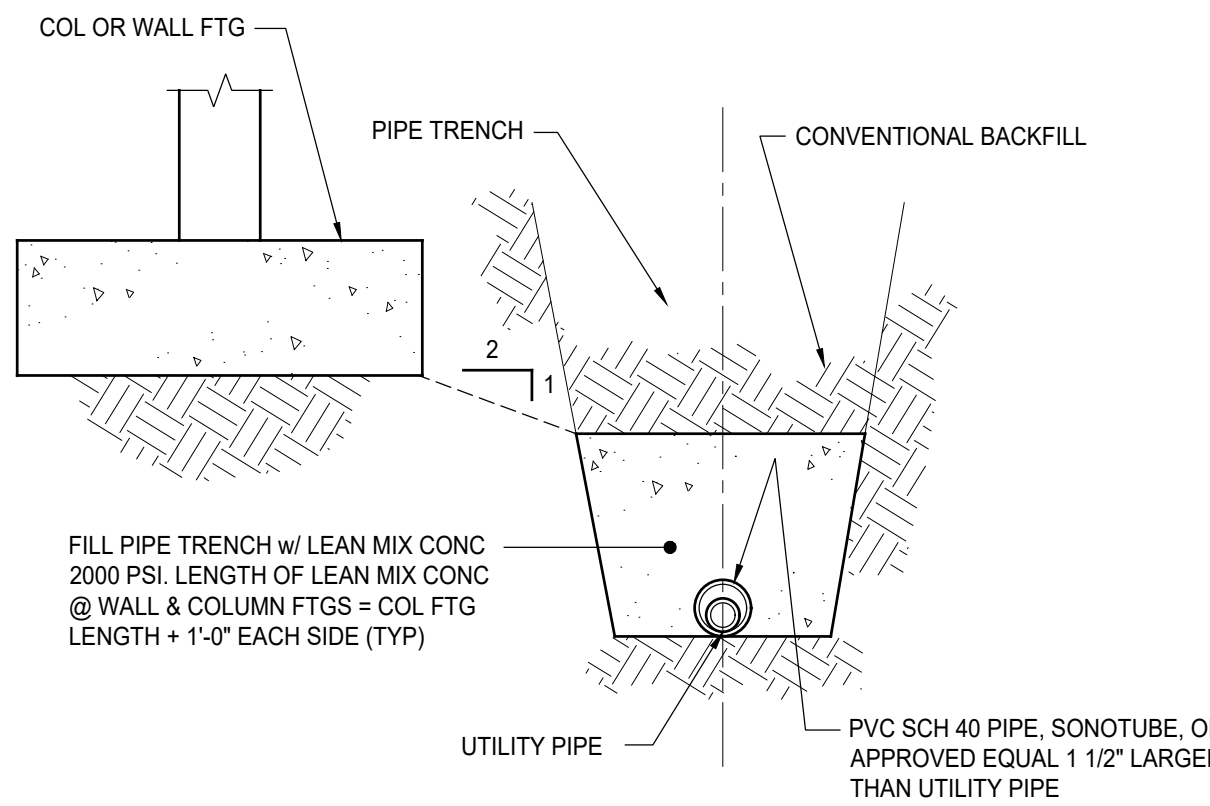
E
S-200
TYPICAL CONTROL JOINT
AT CONCRETE WALL
NOT TO SCALE



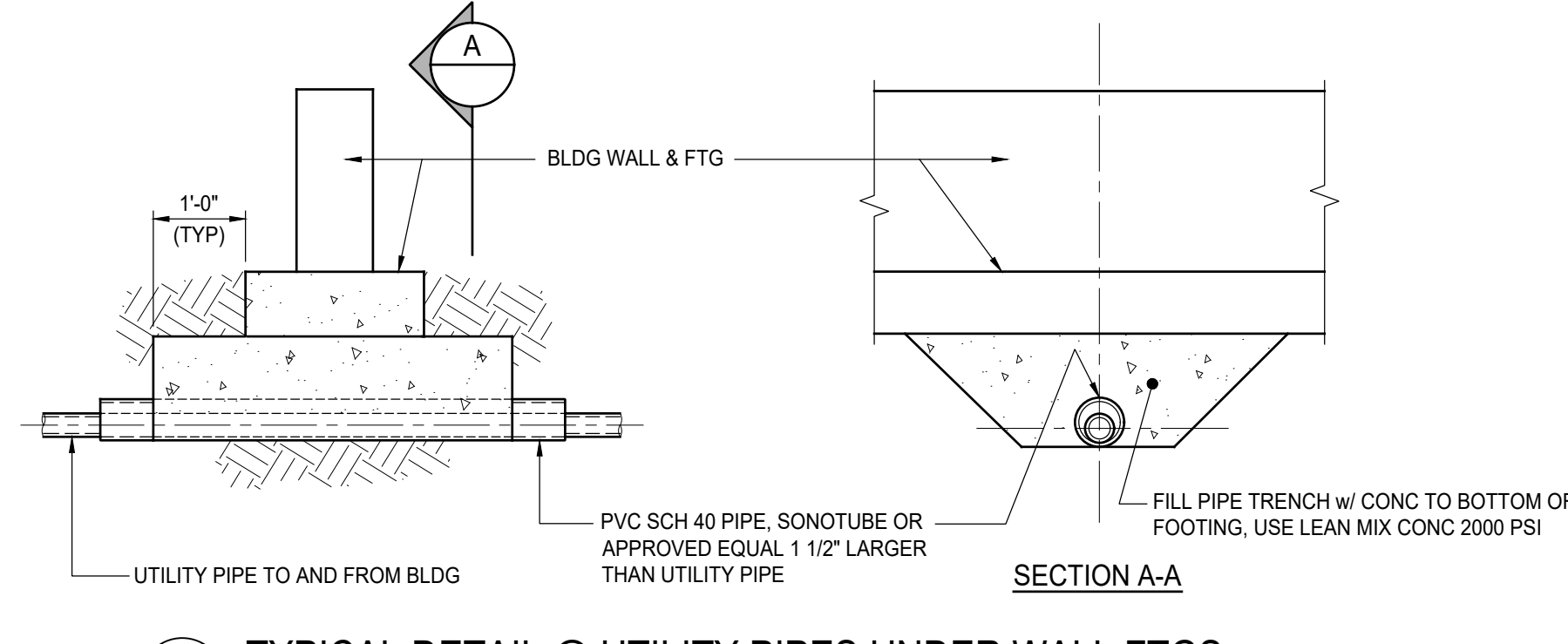
D
S-200
TYPICAL CONSTRUCTION JOINT
SLAB ON GRADE
NOT TO SCALE
(COORDINATE LOCATION OF CONSTRUCTION JOINTS WITH ARCHITECT/ENGINEER PRIOR TO PLACING OF CONCRETE)



F
S-200
TYPICAL CONSTRUCTION JOINT AT
CONCRETE WALL
NOT TO SCALE



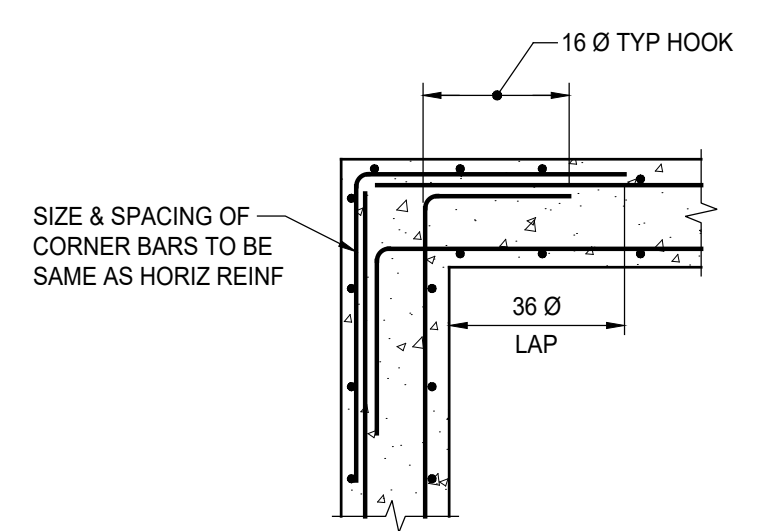
G
S-200
TYPICAL DETAIL @ UTILITY PIPES ADJACENT
TO COLUMN OR WALL FOOTINGS
NOT TO SCALE



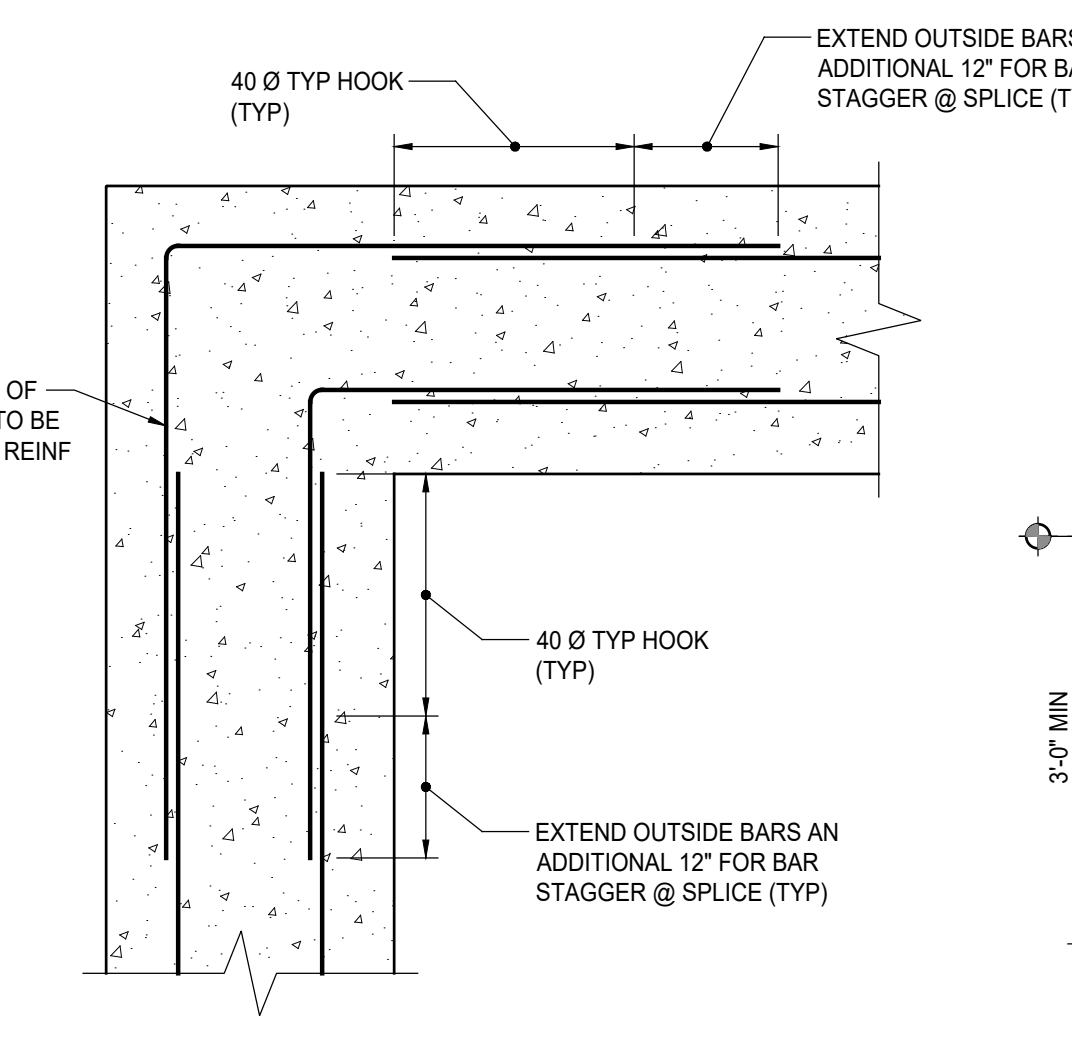
H
S-200
TYPICAL DETAIL @ UTILITY PIPES UNDER WALL FTGS
NOT TO SCALE

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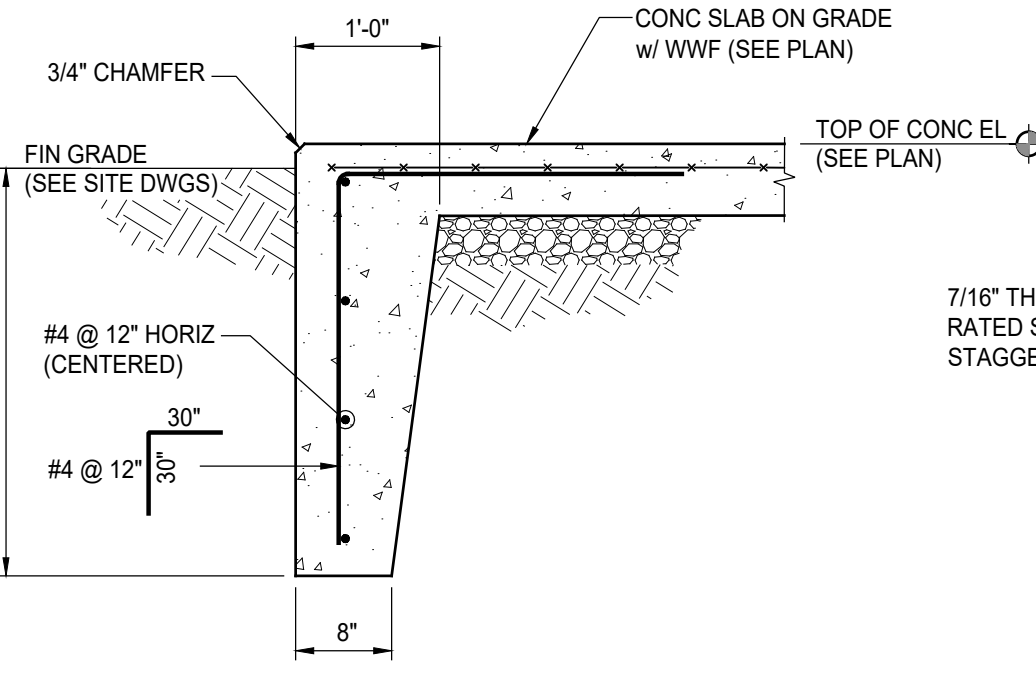
J
S-200
TYPICAL THICKENED SLAB @ WOOD BRG WALL
SCALE: 3/4"=1'-0"



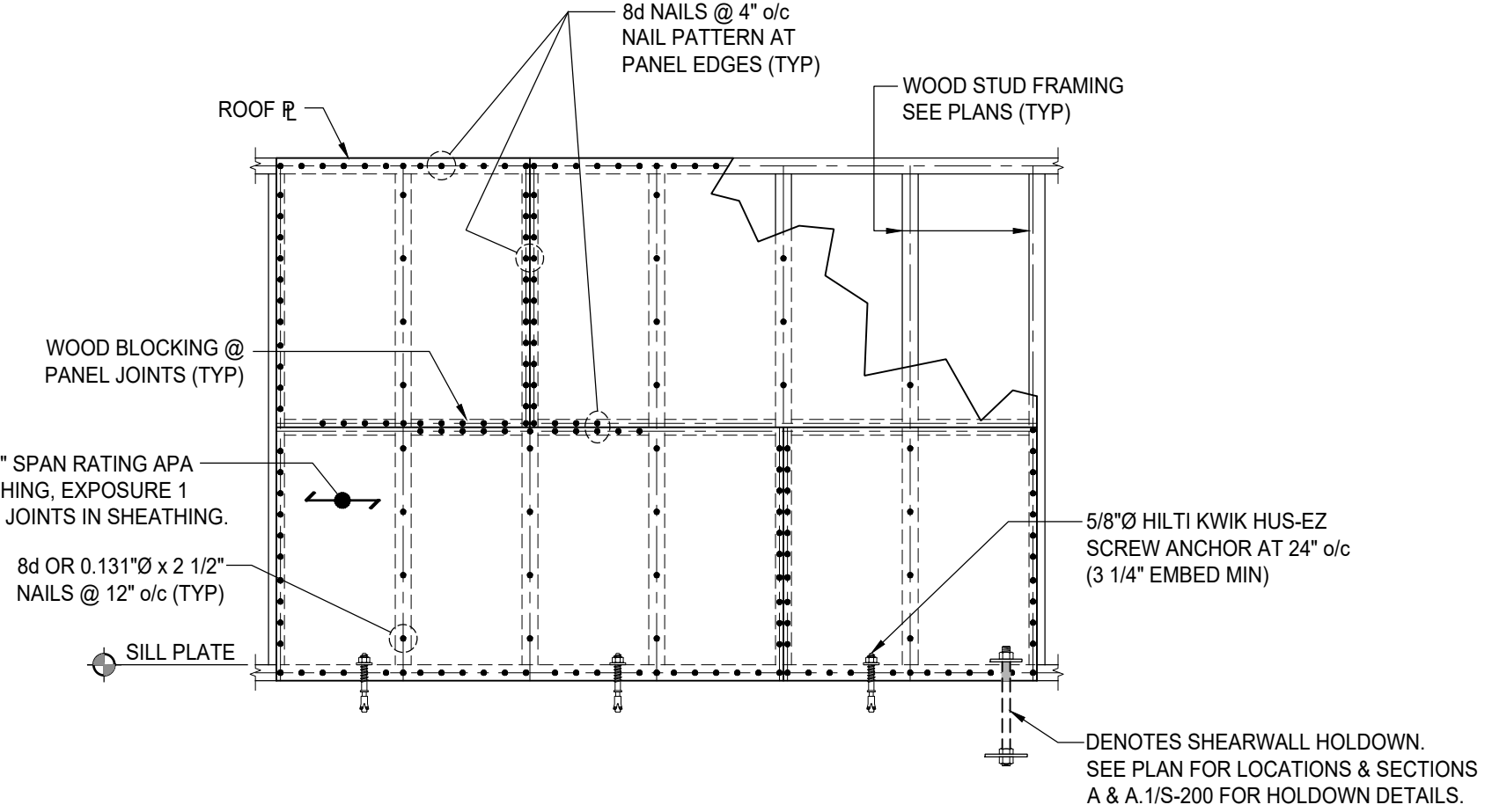
K
S-200
PLAN-TYPICAL CORNER BAR DETAILS
NOT TO SCALE
NOTE:
THIS DETAIL IS SHOWN FOR WALLS WITH (2) LAYERS OF REINFORCEMENT HORIZONTAL & VERTICAL AT EACH FACE OF WALL. DETAIL SHALL BE SIMILAR FOR WALLS WITH (1) LAYER OF REINFORCEMENT HORIZONTAL & VERTICAL CENTERED.



L
S-200
PLAN-TYPICAL FOOTING CORNER BAR DETAILS
NOT TO SCALE



M
S-200
TYPICAL TURNED DOWN SLAB DETAIL
SCALE: 3/4"=1'-0"



N
S-200
EXTERIOR WALL & SHEARWALL
APA RATED SHEATHING NAILING DIAGRAM
NOT TO SCALE

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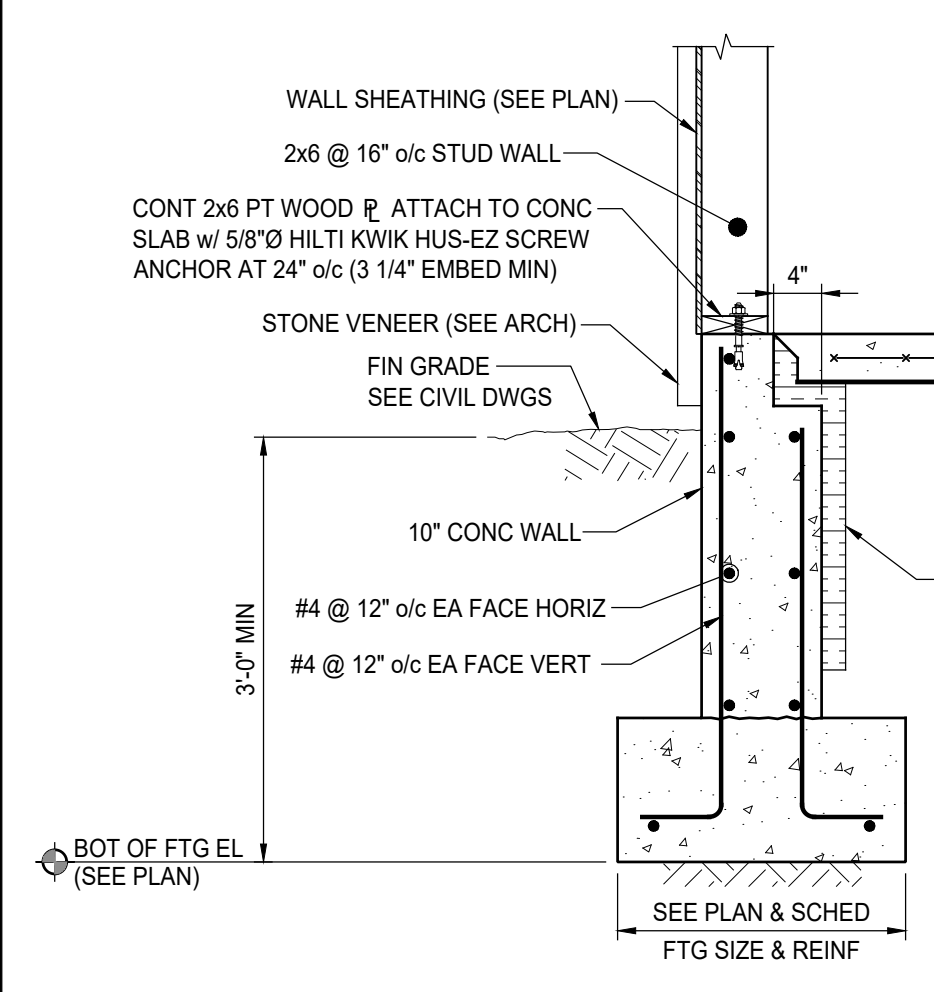
PROJECT:
PROPOSED UTILITY/ WINERY
VINTAGE @ HAMILTON
HAMILTON TOWNSHIP, NEW JERSEY

CLIENT:
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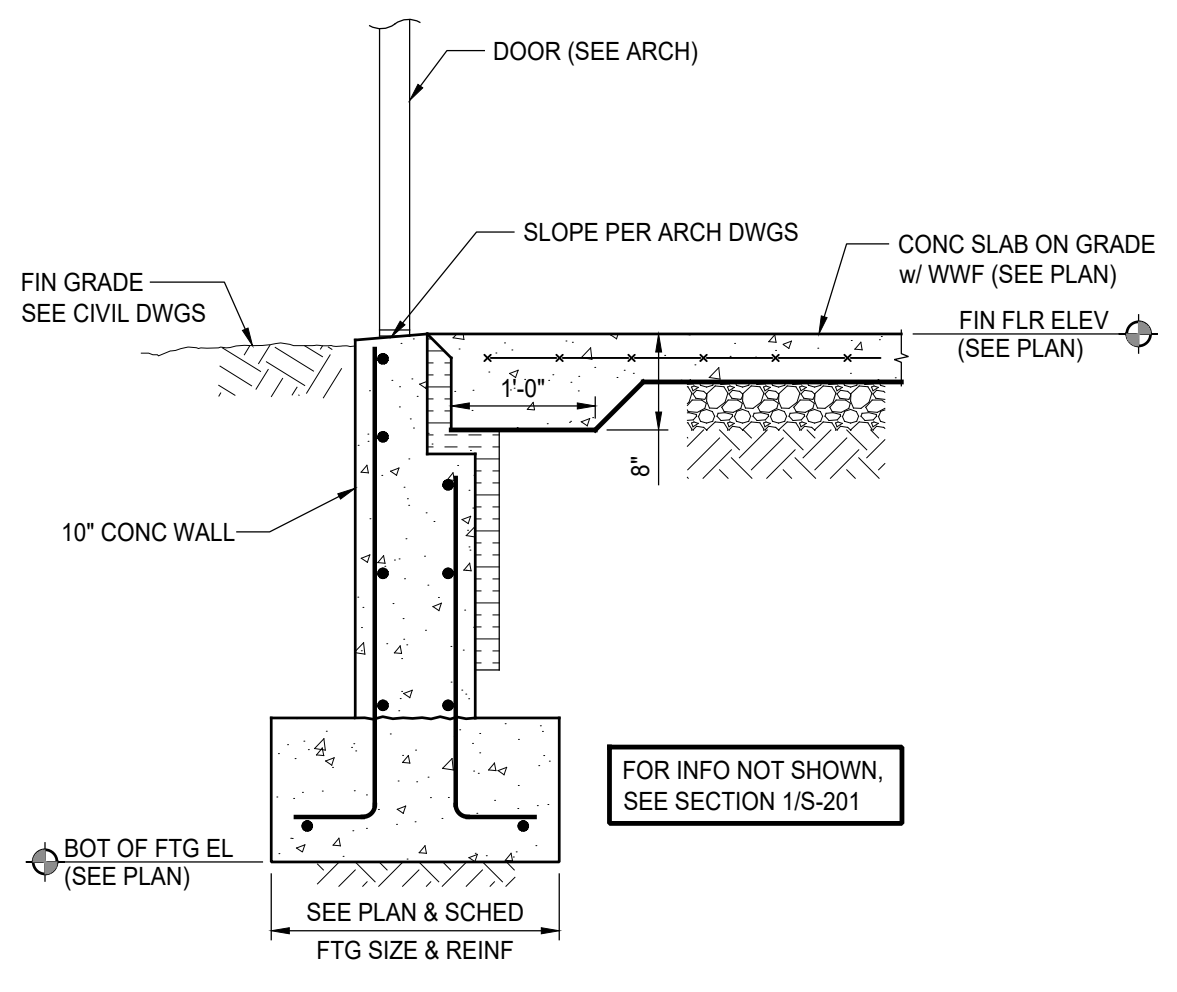
REV.	DATE	REVISION
DESIGNED	MS	
DRAWN	MS	
CHECKED	TJ	
APPROVED	TJ	

SHEET TITLE: UTILITY/ WINERY TYPICAL DETAILS	
SCALE: AS NOTED	SHEET NO. S-200
PROJ. NO.: 207.52	DATE: July 15, 2024

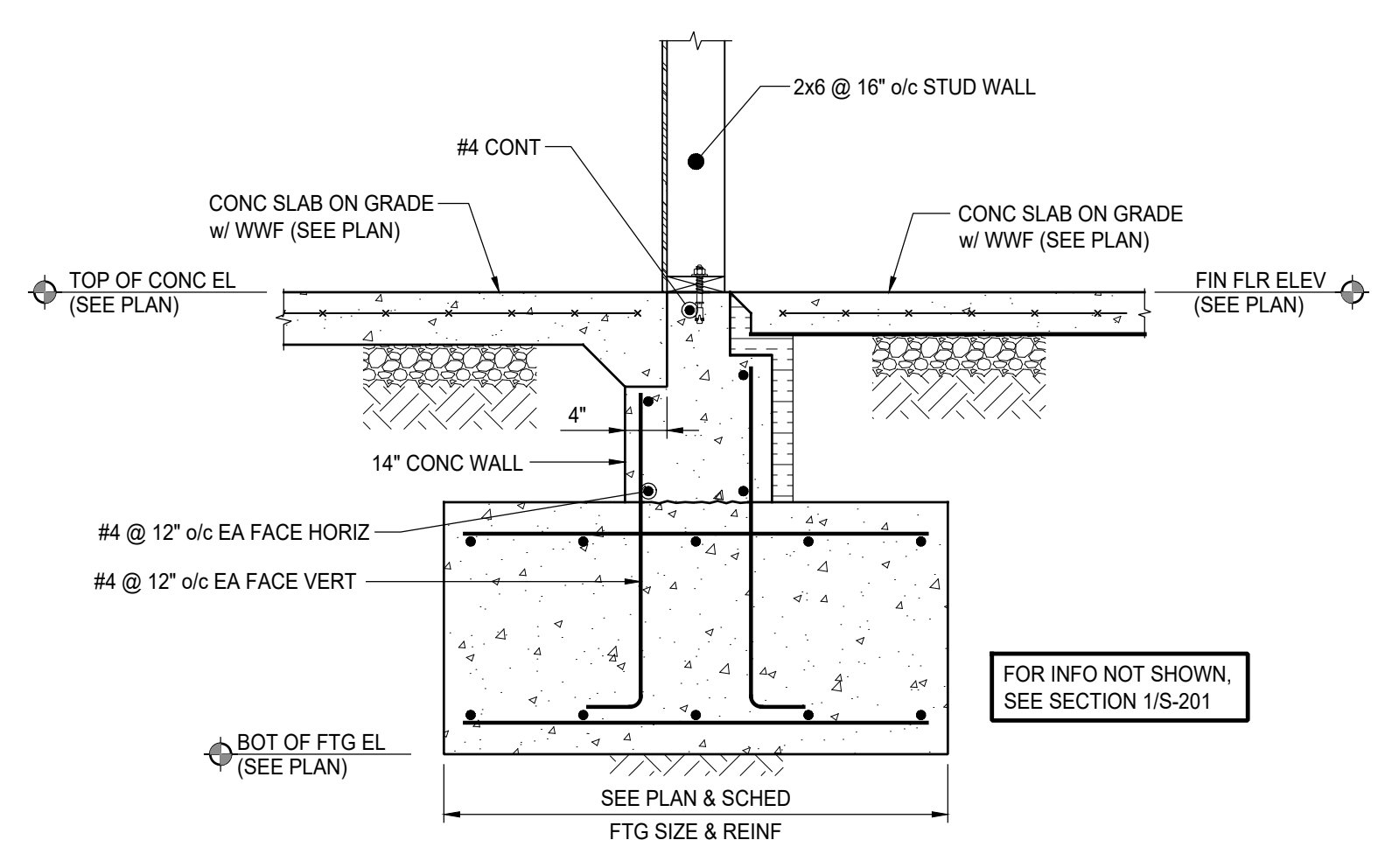
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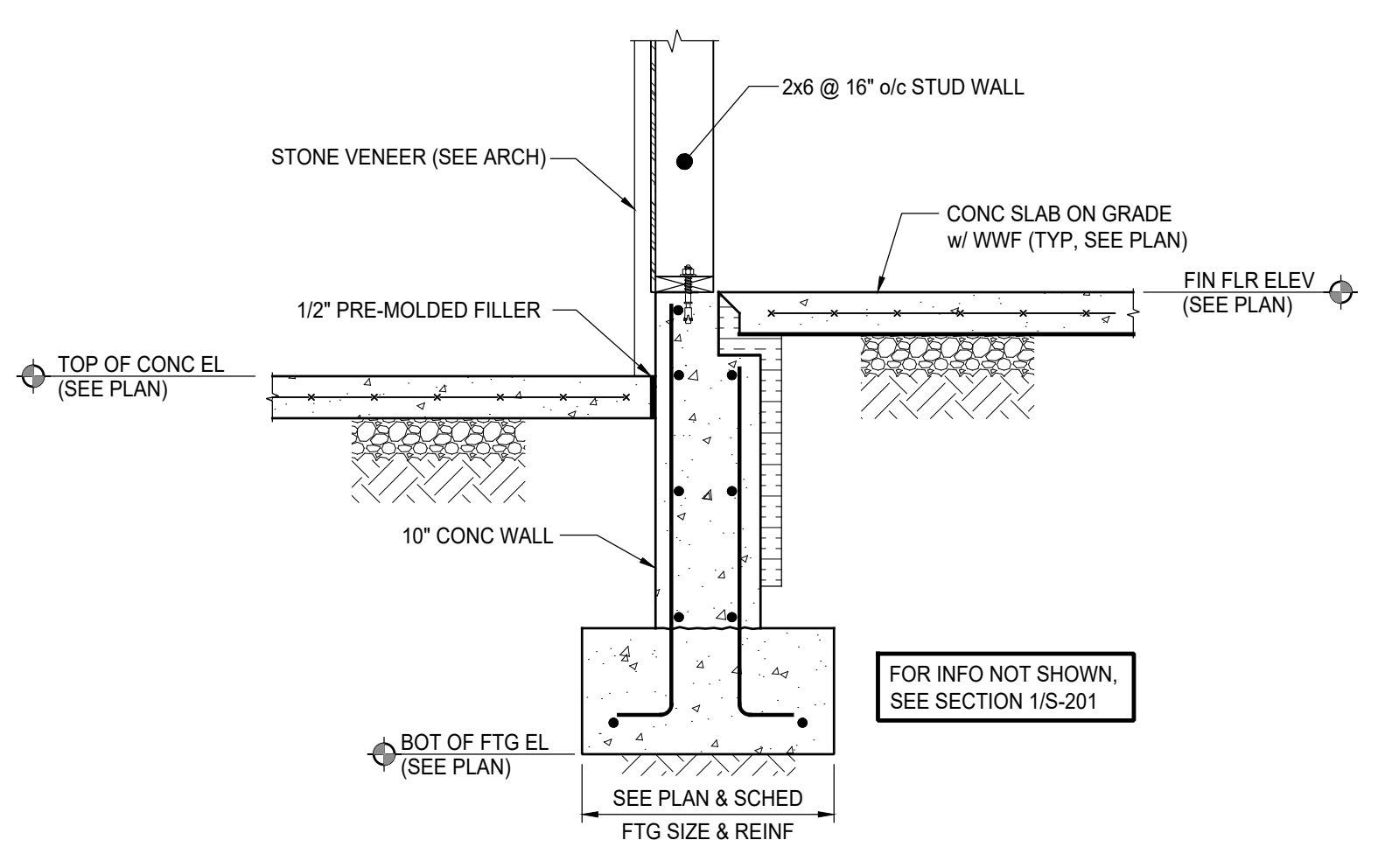
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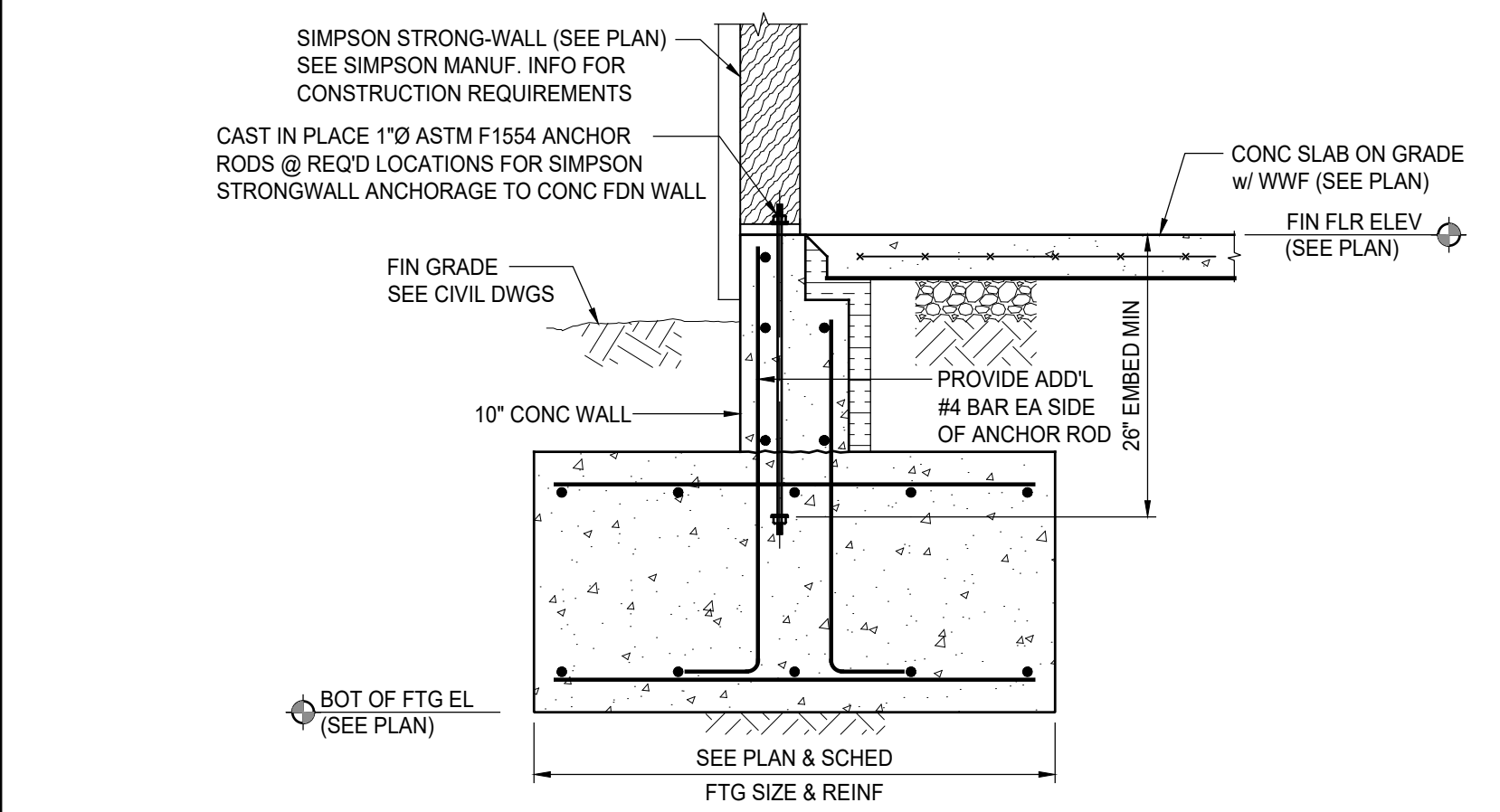
2 SECTION
 S-201 SCALE: 3/4"=1'-0"



3 SECTION
 S-201 SCALE: 3/4"=1'-0"

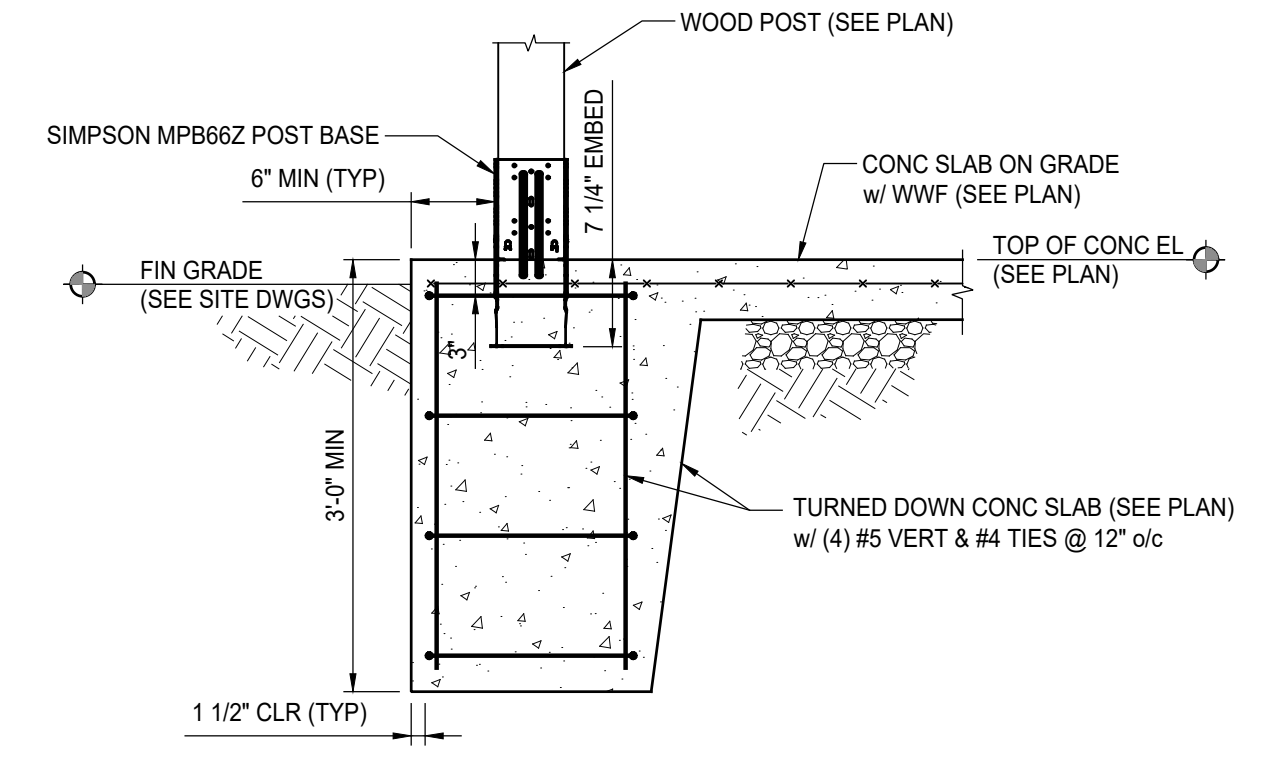


3A SECTION
 S-201 SCALE: 3/4"=1'-0"

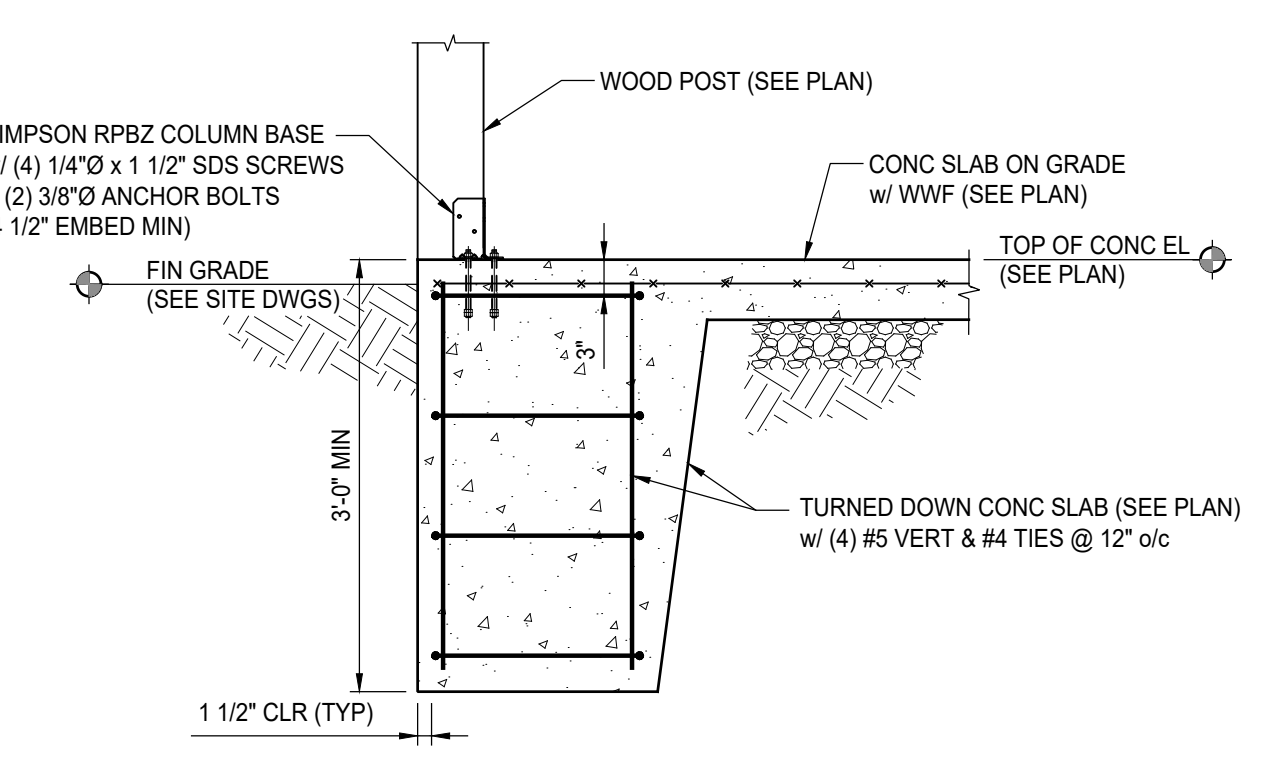


4 SECTION
 S-201 SCALE: 3/4"=1'-0"

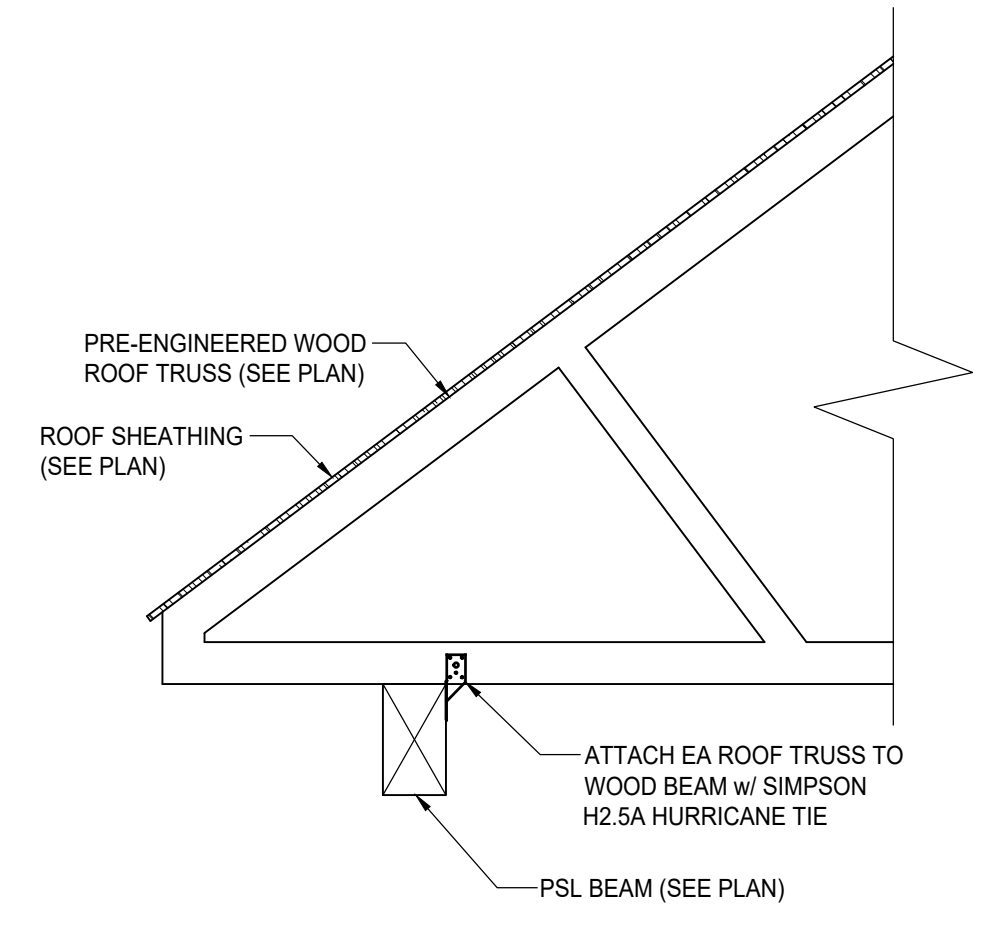
FOR INFO NOT SHOWN, SEE SECTION 1/S-201



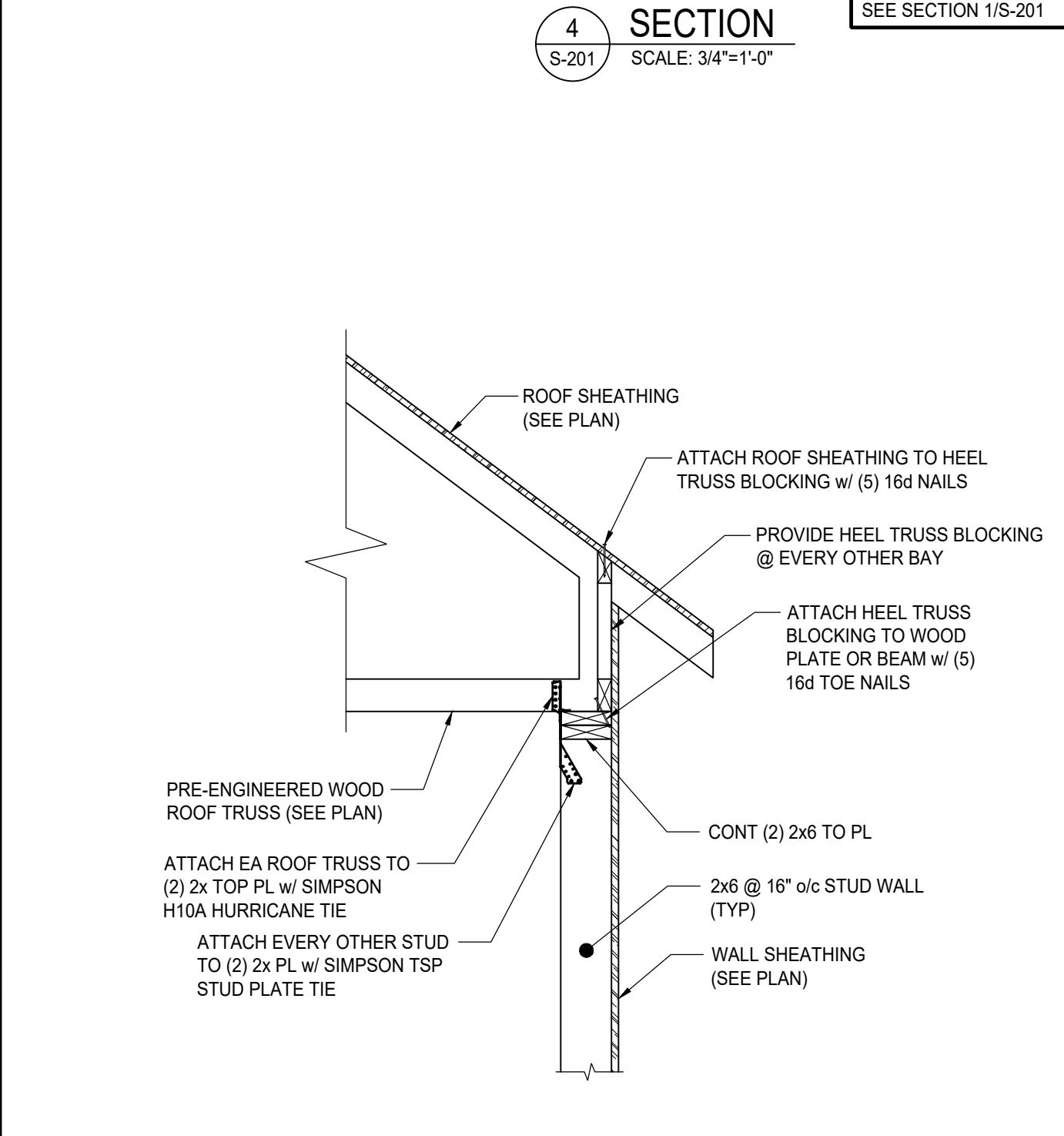
5 SECTION
 S-201 SCALE: 3/4"=1'-0"



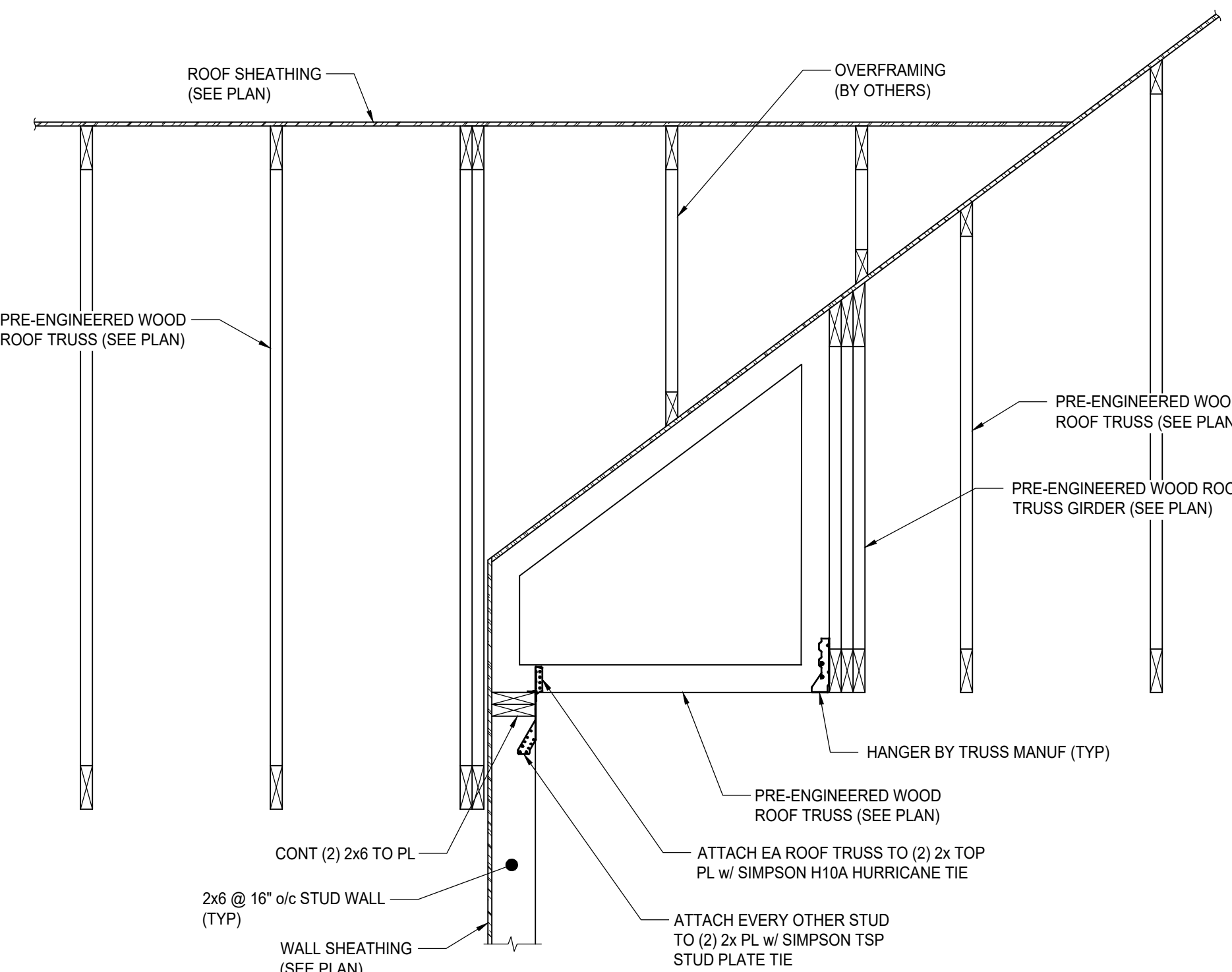
5A SECTION
 S-201 SCALE: 3/4"=1'-0"



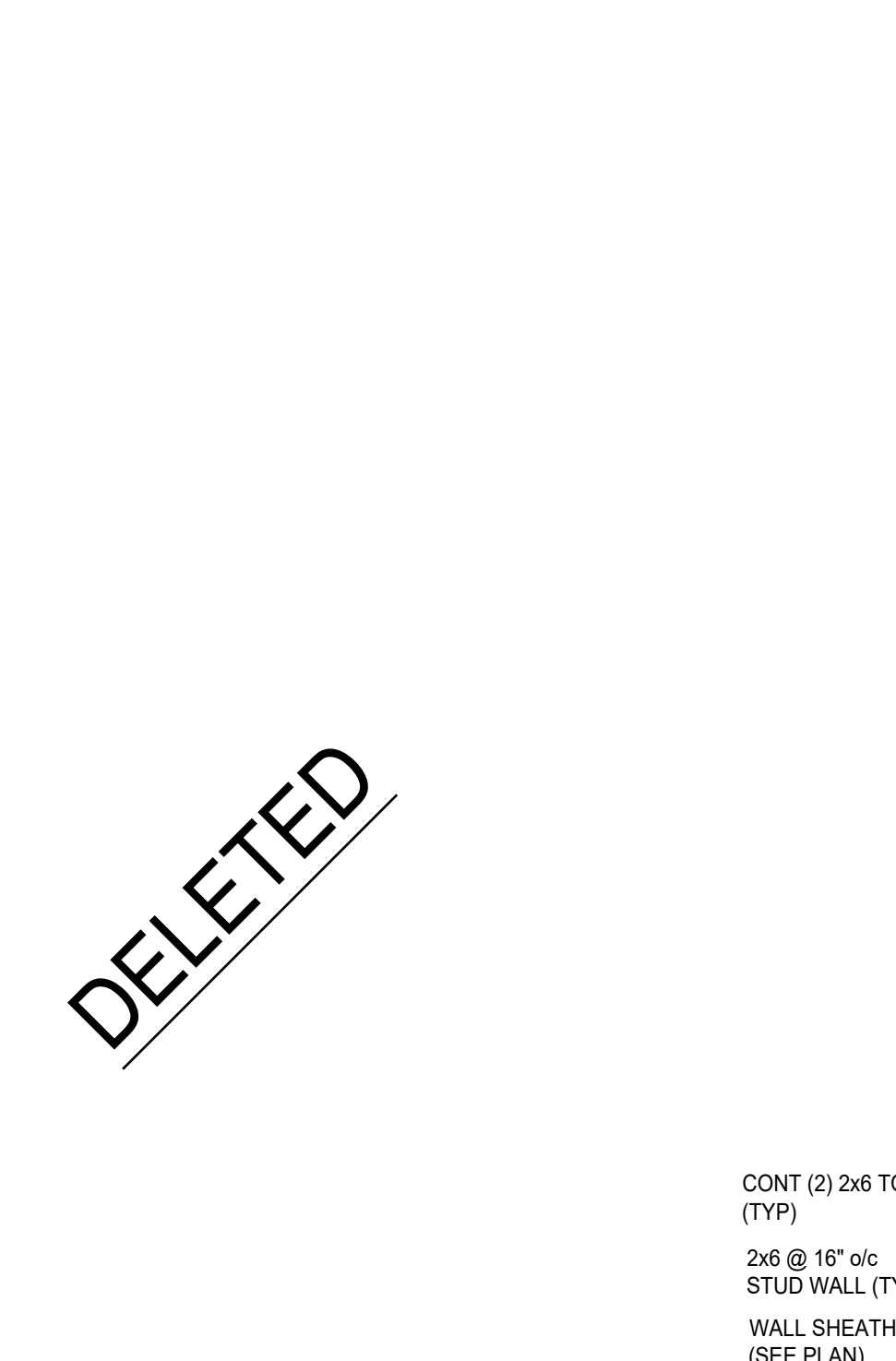
6 SECTION
 S-201 SCALE: 3/4"=1'-0"



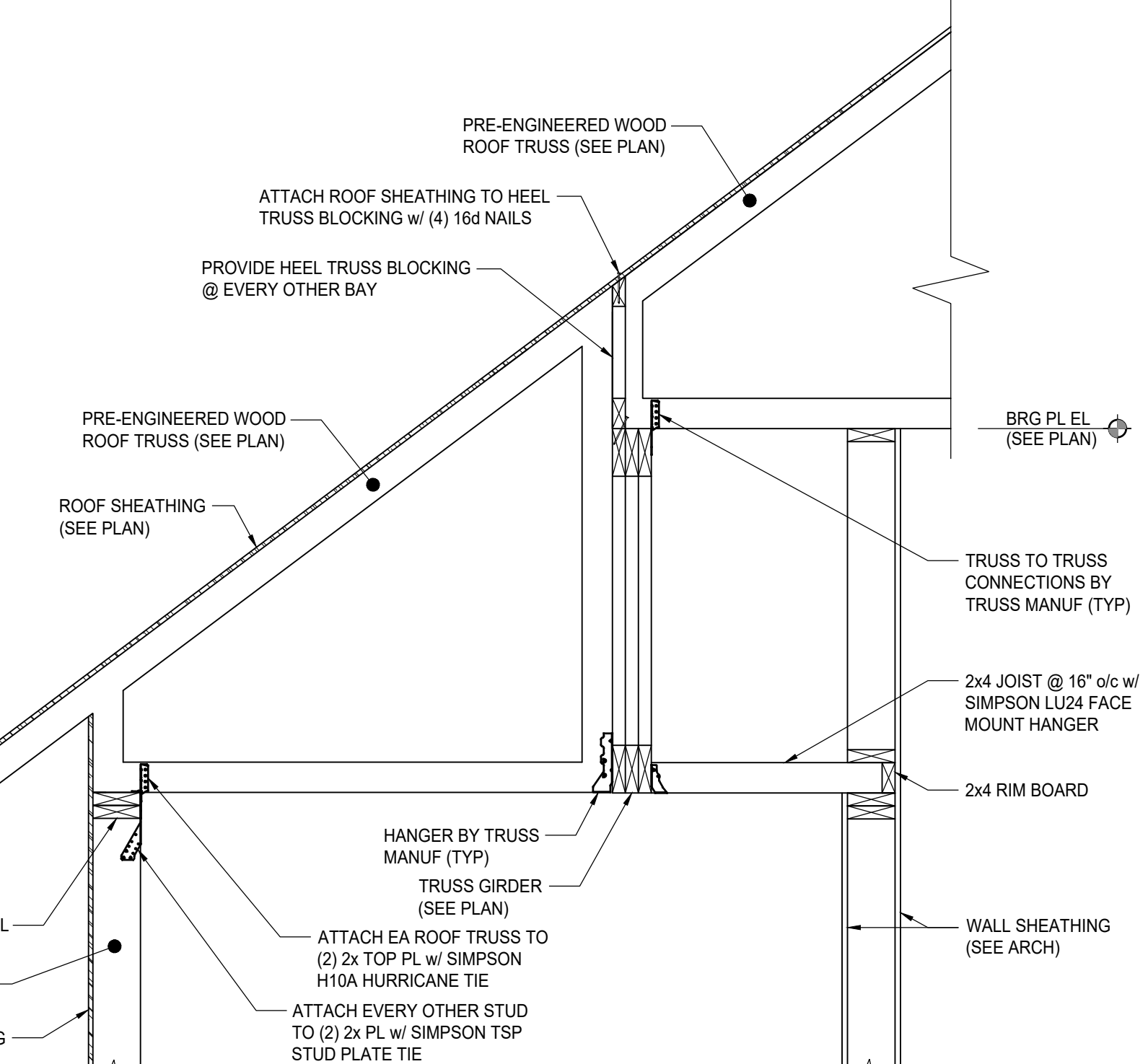
7 SECTION
 S-201 SCALE: 3/4"=1'-0"



8 SECTION
 S-201 SCALE: 3/4"=1'-0"



9 SECTION
 S-201 SCALE: 3/4"=1'-0"



10 SECTION
 S-201 SCALE: 3/4"=1'-0"

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REV.	DATE	REVISION

DESIGNED: MS
 DRAWN: MS
 CHECKED: TJ
 APPROVED: TJ

SHEET TITLE:
UTILITY/ WINERY SECTIONS & DETAILS

SCALE: AS NOTED
 PROJ. NO.: 207.52
 DATE: July 15, 2024

SHEET NO.:
S-201

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