

- STRUCTURAL STEEL:**
1. STEEL SHALL CONFORM TO THE FOLLOWING GRADES:
- ALL WIDE FLANGE (U.N.O.): A992 GRADE 50 (Fy=50)  
ALL CHANNEL, ANGLE, BASE PLATES, CONNECTION, PLATES (U.N.O.): A36 (Fy=36)  
STRUCTURAL PIPE: A53 (Fy=50)  
STRUCTURAL HSS RECTANGULAR TUBE: A500 GRADE B (Fy=46)  
STRUCTURAL HSS ROUND TUBE: A500 GRADE B (Fy=42)
2. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE A.I.S.C. CODE OF STANDARD PRACTICE, EXCEPT AS MODIFIED IN THESE NOTES AND THE PROJECT SPECIFICATIONS.
3. CONNECTIONS MAY BE BOLTED OR WELDED. THE FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF CONNECTIONS NOT DESIGNED ON THE DRAWINGS. GENERALLY, CONNECTIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE SCHEMATIC AND ARE ONLY INTENDED TO SHOW THE RELATIONSHIP OF MEMBERS CONNECTED. ANY CONNECTION THAT IS NOT SHOWN OR IS NOT COMPLETELY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF THE PROJECT, RETAINED BY THE FABRICATOR. COMPLETELY DETAILED MEANS THE FOLLOWING INFORMATION IS SHOWN ON THE DETAIL:
- A. ALL PLATE DIMENSIONS AND GRADES.
- B. ALL WELD SIZES, LENGTHS, PITCHES, AND RETURNS.
- C. ALL HOLE SIZES AND SPACINGS.
- D. NUMBER AND TYPES OF BOLTS: WHERE BOLTS ARE SHOWN BUT NO NUMBER IS GIVEN, THE CONNECTION HAS NOT BEEN COMPLETELY DETAILED.
- E. WHERE PARTIAL INFORMATION IS GIVEN, IT SHALL BE THE MINIMUM REQUIREMENT FOR THE CONNECTION.
- PRIOR TO FABRICATION, PROVIDE (FOR RECORD COPY) DESIGN CALCULATIONS FOR TYPICAL BEAM CONNECTIONS, ALL PRIMARY BRACING AND HANGER CONNECTIONS, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT SHALL BE SUBMITTED TO THE ENGINEER.
4. CONNECTION DESIGN FORCES:
- A. BEAMS, IF REACTION IS NOT SHOWN GREATER OF:
- 55% OF TOTAL ALLOWABLE UNIFORM LOAD CAPACITY FROM A.I.S.C. 14TH EDITION TABLES FOR ALLOWABLE LOADS ON BEAMS, WGL.
- 10 KIPS.
- B. MOMENT CONNECTIONS INDICATED ON THE DRAWINGS THUS: **—CH—** DESIGN FOR MOMENT SHOWN OR, IF NOT SHOWN, DEVELOP MOMENT CAPACITY OF MEMBER WITH  $t_b = 0.66 F_y$ .
- C. MAINTAIN TENSION CAPACITY OF COLUMNS, DIAGONALS AND MEMBERS SUBJECT TO TENSION AT BOLT HOLES, NOTCHES, OR COPEES.
- D. CONNECTION FORCE NOTATION:
- P = AXIAL FORCE IN KIPS: (+) TENSION, (-) COMPRESSION  
V OR  $\{ \}$  = SHEAR IN KIPS  
M = MOMENT IN FOOT KIPS  
T = TORSION IN FOOT KIPS
5. THE MINIMUM PLATE THICKNESS SHALL BE 1/4".
6. BOLTED CONNECTIONS:
- A. MINIMUM BOLT DIAMETER = 3/4"
- B. SLIP CRITICAL CONNECTIONS OF A325SC OR A490SC BOLTS SHALL BE USED FOR ALL BOLTED CONNECTIONS OF BRACING MEMBERS, MOMENT CONNECTIONS, CANTILEVERS, AND AS SHOWN ON THE DRAWINGS. OVERSIZED AND LONG-SLOTTED HOLES ARE ALLOWED FOR SLIP CRITICAL CONNECTIONS.
- C. ALL OTHER BOLTED CONNECTIONS SHALL BE BEARING TYPE USING A325N OR A490N BOLTS. OVERSIZED HOLES AND LONG-SLOTTED HOLES ARE NOT ALLOWED UNLESS SHOWN ON THE DRAWINGS.
- D. A307 BOLTS MAY BE USED WHERE INDICATED ON THE DRAWINGS.
- E. PROTRUDING BOLT HEADS, SHAFTS OR NUTS SHALL NOT EXTEND INTO NOR PROHIBIT THE APPLICATION OF ARCHITECTURAL FINISHES AND THEY SHALL NOT EXTEND INTO NOR PROHIBIT THE PLACEMENT OF STEEL DECKING TO THE CORRECT LINE AND ELEVATION.
- F. THE FABRICATOR IS RESPONSIBLE FOR VERIFYING THE TENSION CAPACITY OF AXIALLY LOADED MEMBERS AFTER A SECTION IS REDUCED FOR BOLT HEADS. MEMBER SIZE MAY BE INCREASED OR CONNECTION PLATES ADDED AS REQUIRED.
- G. SHOP DRAWINGS SHALL INDICATE THE TYPE OF BOLT USED IN EACH CONNECTION AND THE ALLOWABLE VALUES USED FOR THE VARIOUS BOLT TYPES.
7. WELDED CONNECTIONS:
- A. WELDS ARE CONTINUOUS UNLESS NOTED.
- B. ALL FILLET WELDS: A.I.S.C. MINIMUM BUT NOT LESS THAN 1/4" UNLESS NOTED OTHERWISE.
- C. ALL WELDING SHALL BE IN ACCORDANCE WITH THE CURRENT "STRUCTURAL WELDING CODE" (A.W.S. D1.1) PUBLISHED BY THE AMERICAN WELDING SOCIETY. ELECTRODES FOR WELDING SHALL COMPLY WITH THE REQUIREMENTS OF TABLE 4.1.1 OF (A.W.S. D1.1).
- D. ALL GROOVE WELDS SHALL BE COMPLETE PENETRATION UNLESS NOTED OTHERWISE.
8. SPlicing OF STEEL MEMBERS, UNLESS SHOWN ON THE DRAWINGS, IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE ARCHITECT.
9. NO CHANGE IN SIZE OR POSITION OF THE STRUCTURAL ELEMENTS SHALL BE MADE AND HOLES, SLOTS, CUTS, ETC., ARE NOT PERMITTED THROUGH ANY MEMBER UNLESS THEY ARE DETAILED ON THE APPROVED SHOP DRAWINGS.
10. NO FINAL BOLTING OR WELDING SHALL BE MADE UNTIL AS MUCH OF THE STRUCTURE AS WILL BE STIFFENED THEREBY HAS BEEN PROPERLY ALIGNED.
11. UNLESS NOTED OTHERWISE, BEAMS SHALL BEAR 8" MINIMUM ON CONCRETE OR MASONRY. ANCHOR BEAMS TO MASONRY OR CONCRETE WITH 2-3/4" DIA. ANCHOR BOLTS OR WELDED TO EMBED PLATE.
12. FABRICATE ALL BEAMS WITH THE MILL CAMBER UP.
13. SHEAR STUDS: CONFORM TO A.W.S. D1.1-98, SHOP WELD EXCEPT WHERE APPLIED THROUGH METAL DECK.
14. HEADED STUDS SHALL CONFORM TO A.S.T.M. A108, GRADE 1015, WELDABLE (Fy = 65 K.S.I.).
15. TOP OF ALL TUBES AND PIPES SHALL HAVE A CAP PLATE 1/4" SEAL WELDED ALL AROUND, UNLESS LARGER CAP PLATE AND / OR WELD IS NOTED. THIS DOES NOT APPLY TO DIAGONAL / SLOPING TUBES OR PIPES.
16. WHERE FIREPROOFING IS REQUIRED, ADJUST FIREPROOFING THICKNESS BASED ON MEMBER SIZES. SEE ARCHITECTURAL DRAWINGS FOR FIREPROOFING REQUIREMENTS AND THICKNESS.
17. THE FABRICATOR IS RESPONSIBLE FOR THE DESIGN AND DETAILING OF STEEL STAIRS. STAIRS SHOWN ON THE STRUCTURAL DRAWINGS ARE SCHEMATIC AND ARE ONLY INTENDED TO SHOW THE RELATIONSHIP OF MEMBERS CONNECTED. STAIRS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT, RETAINED BY THE FABRICATOR.
18. ALL EXPOSED EXTERIOR STEEL SHALL HAVE A GALVANIZED FINISH, UNLESS NOTED OTHERWISE.
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BUILDING LOAD CRITERIA - WIND LOADS		
WIND PARAMETER & LOADING - MAIN WIND FORCE RESISTING SYSTEM (AS PER ASCE7-10 CHAPTER 27 - DIRECTIONAL PROCEDURE)		
ITEM	VALUE	
BASIC WIIND GUST 3S SPEED (ULTIMATE)	125 MPH	
BASIC WIND GUST 3S SPEED (ASD)	99 MPH	
EXPOSURE	B	
Kd	0.85	
Kzt	1	
HORIZONTAL PRESSURE ON WALLS	PARAPET	64 PSF
	WIND IN PLAN WEST-EAST DIRECTIONS	+/- 31 PSF
	WIND IN PLAN NORTH-SOUTH DIRECTIONS	+/- 31 PSF
WIND SHEAR IN DIAPHRAGMS IN PLAN WEST-EAS...	30 KIPS	
WIND SHEAR IN DIAPHRAGMS IN PLAN...	50 KIPS	

INTENDED USE	28 DAY STRENGTH $f_c$ (K.S.I.)		CONCRETE DENSITY	MAXIMUM W/C (INCLUDING FLY ASH)	MINIMUM CEMENT MATERIAL (PC) (INCLUDING FLY ASH)	MAXIMUM AGGREGATE (IN.)	SLUMP LIMITS (IN.) (<0' -2')	TOTAL AIR LIMITS (IN) (%) (B)	REQUIRED ADMIXTURES (C)
	4	145	0.48	564	1 1/2	4	-	-	-
FOOTINGS	4	145	0.48	564	1 1/2	4	-	-	-
INTERIOR TOPPING SLABS	3.5	145	0.50	541	3/4	4	-	-	-
INTERIOR SLABS ON GRADE	4	145	0.50	564	1 1/2	4	N	-	-
ALL CONCRETE NOT OTHERWISE SPECIFIED	4	145	0.40	564	3/4	4	6	-	-

- CONCRETE TABLE NOTES:**
- A. FOR MAXIMUM COARSE AGGREGATE SIZE INDICATED, USE THE FOLLOWING AGGREGATE SIZE NUMBERS PER A.S.T.M. C33:
- 3/8" - #8 AGGREGATE  
3/4" - #67 AGGREGATE  
1" - #67 AGGREGATE  
1 1/2" - #467 AGGREGATE
- B. TOTAL AIR CONTENT LIMITS INCLUDE BOTH ENTRAINED AND ENTRAPPED AIR +/- 1 1/2%. "N" IN COLUMN INDICATES ADDITION OF ENTRAINED AIR IS NOT PERMITTED.
- C. ABBREVIATIONS FOR REQUIRED ADMIXTURES AS FOLLOWS: AE - AIR-ENTRAINING ADMIXTURE, WR - WATER REDUCING ADMIXTURE
- D. MAXIMUM SHRINKAGE FOR SLAB ON GRADE SHALL BE LIMITED TO 58" PER 100 FOOT.
1. REINFORCING SHALL CONFORM TO A.S.T.M. A615, GR. 60, INCLUDING TIES AND STIRRUPS. BARS REQUIRING WELDING OR FIELD BENDING SHALL BE A.S.T.M. A706, GRADE 60.
2. WELDED WIRE FABRIC SHALL CONFORM TO A.S.T.M. A185.
3. LAP SPLICES SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE, UNLESS NOTED OTHERWISE. WHERE CLASSES ARE NOT CALLED OUT ON DRAWINGS, USE CLASS "B" SPLICES.
- SPLICES:  $f_c = 4000$  P.S.I.,  $f_y = 60,000$  P.S.I.

STANDARD TENSION LAP SPLICE, GRADE 60													
CLASS A and B LAP SPLICE LENGTH (INCHES)													
		fc = 3,000 P.S.I.				fc = 4,000 P.S.I.				fc = 5,000 P.S.I.			
BAR SIZE	CLASS	A		B		A		B		A		B	
	CASE	1	2	1	2	1	2	1	2	1	2	1	2
#3		16	25	21	32	14	21	18	28	13	19	17	25
#4		22	33	28	43	19	28	25	37	17	25	22	33
#5		27	41	36	53	24	36	31	46	21	32	28	41
#6		33	49	43	64	28	43	37	55	25	38	33	50
#7		48	72	62	93	42	62	54	81	37	56	48	72
#8		55	82	71	107	47	71	62	92	42	64	55	83
#9		62	93	80	120	54	80	70	104	48	72	62	93
#10		70	104	90	136	60	90	78	117	54	81	70	105
#11		77	116	100	151	67	100	87	130	60	90	78	117

\*TOP BARS\* ARE DEFINED AS ANY BAR WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR, SEE NOTE 4 IN TABLE NOTES.

COMPRESSION LAP SPLICE SCHEDULE	
LAP LENGTH (INCHES)	
$f_c = 3,000$ P.S.I. OR GREATER	
BAR SIZE	30 BAR DIA.
#3	12
#4	15
#5	19
#6	22
#7	26
#8	29
#9	33
#10	37
#11	41

- TABLE NOTES:**
- A. TABLES ARE BASED A.C.I. 318, WHERE CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS AT LEAST 2 BAR DIAMETERS AND THE CLEAR COVER AT LEAST 1 BAR DIAMETER, USE CASE 1. USE CASE 2 FOR OTHER BAR ARRANGEMENTS.
- B. ALL SPLICES TO BE CLASS "B" TENSION SPLICE UNLESS OTHERWISE NOTED.
- C. SPLICE PLAIN WELDED WIRE FABRIC BY LAPPING ONE FULL MESH SPACE PLUS 2 INCHES.
- D. FOR TOP BARS, MULTIPLY LENGTHS IN TABLE BY 1.3.
- E. FOR EPOXY COATED REINFORCEMENT, MULTIPLY LENGTHS IN TABLE BY 1.5 FOR COVER LESS THAN 3db OR CLEAR SPACING LESS THAN 6db, MULTIPLY LENGTHS BY 1.2 FOR ALL OTHER EPOXY COATED REINFORCEMENT.
- F. FOR LIGHT WEIGHT CONCRETE, MULTIPLY LENGTHS IN TABLE BY 1.3.
- G. COMPRESSION DOWEL EMBEDMENT: 22 BAR DIAMETERS
- H. COMPRESSION DOWEL EMBEDMENT: 22 BAR DIAMETERS.

BUILDING LOAD CRITERIA - SNOW LOADS		
SNOW LOAD (AS PER ASCE7-16 CHAPTER 7)		
ITEM	VALUE	REFERENCE
RISK CATEGORY	IV	TABLE 1.5-1
IMPORTANCE FACTOR, Is	1.2	TABLE 1.5-2
GROUND SNOW LOAD	40 PSF	
SNOW DENSITY	19.2 PCF	EQ. 7.7-1
EXPOSURE FACTOR, Ce	1.0 (PARTIALLY EXPOSED)	TABLE 7-2
THERMAL FACTOR, Ct	1.0	TABLE 7-3
FLAT ROOF SNOW LOAD, Pf	35 PSF	SECTION 7.3
ROOF SLOPE FACTOR, Cs...	1.0 (ALL OTHER SURFACES)	FIGURE 7-2a
SLOPED ROOF SNOW LOAD, Ps	35 PSF	SECTION 7.4
SLOPED ROOF SNOW HEIGHT...	N/A	SECTION 7.6.2
UNBALANCED SNOW	NOT APPLIED	
DRIFT	SEE ROOF PLAN	
SLIDING SNOW	NOT APPLIED	

- CONCRETE NOTES (CONTINUED):**
4. ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED, IN ACCORDANCE WITH THE LATEST EDITION OF THE A.C.I. DETAILING MANUAL.
5. ALL REINFORCING SHALL BE SUPPORTED IN FORMS, SPACED WITH NECESSARY ACCESSORIES AND SHALL BE SECURELY WIRED TOGETHER, IN ACCORDANCE WITH C.R.S.I. "REINFORCING BAR DETAILING", LATEST EDITION.
6. MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE:
- A. UNFORMED SURFACE IN CONTACT WITH THE GROUND: 3 IN.
- B. FORMED SURFACES EXPOSED TO EARTH OR WEATHER: 1 1/2 IN. FOR #5 BAR OR SMALLER, 2 IN. FOR #6 BAR OR LARGER
- C. FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER: WALLS, SLABS: 3/4 IN., BEAMS, GIRDERs AND COLUMNS (TO TIES OR STIRRUPS): 1 1/2 IN.
7. ALL CONSTRUCTION JOINTS SHOWN ON DRAWINGS SHALL BE INCORPORATED INTO THE STRUCTURE, UNLESS THEIR ELIMINATION IS APPROVED BY THE ENGINEER. ADDITIONAL CONSTRUCTION JOINTS, REQUIRED TO FACILITATE CONSTRUCTION, SHALL BE LOCATED AT POINTS OF MINIMUM SHEAR AND SHALL BE DETAILED ON SHOP DRAWINGS WITH LOCATIONS SUBJECT TO APPROVAL BY ENGINEER. REINFORCEMENT SHALL PASS CONTINUOUSLY THROUGH THE JOINT.
8. ALL ABUTTING CONCRETE MEMBERS SHALL BE DOWELED TOGETHER, UNLESS POURED MONOLITHICALLY. DOWELS SHALL BE EQUAL IN SIZE AND SPACING TO THE REINFORCING IN THE ADJACENT MEMBER.
9. UNLESS OTHERWISE SHOWN IN THE ARCHITECTURAL DRAWINGS, PROVIDE 3/4" CHAMFERS AT ALL EDGES THAT ARE EXPOSED TO VIEW IN THE FINISHED STRUCTURE.
10. SEE ARCHITECTURAL DRAWINGS FOR DOOR AND WINDOW OPENINGS, DRIP SLOTS, REGLETS, MASONRY ANCHORS, PRECAST BEARING LEDGES, BRICK LEDGE ELEVATIONS AND FOR MISCELLANEOUS EMBEDDED PLATES, BOLTS, ANCHORS, ANGLES, ETC.
11. REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE FINISHES. WHERE FINISH IS NOT SPECIFIED, CONFORM TO REQUIREMENTS OF A.C.I. 301.
12. MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS SHALL BE REFERRED TO FOR DRAINS, SLEEVES, OUTLET BOXES, CONDUIT, ANCHORS, ETC. THE VARIOUS TRADES ARE RESPONSIBLE FOR PLACING THEIR ITEMS.
13. REFER TO MECHANICAL DRAWINGS FOR UNDERFLOOR AND PERIMETER FOUNDATION DRAINS.
14. BASE PLATES, ANCHOR BOLTS, SUPPORT ANGLES, ETC., BELOW GRADE SHALL BE COVERED WITH A MINIMUM OF 3" CONCRETE.
15. PROVIDE CONTINUOUS WATERSTOP AT HORIZONTAL AND VERTICAL JOINTS BELOW GRADE.
16. FILL SLABS INDICATED ON THE STRUCTURAL DRAWINGS SHALL BE REINFORCED WITH 6x6-W1 4xW1.4 W.W.F., UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR PLAN DIMENSIONS, THICKNESSES, SLOPES TO DRAIN, ETC.
17. WHERE REINFORCING IS NOT INDICATED OR DEFINED, INCLUDE FOR BID PURPOSES ONLY:
- A. WALLS: #5 EACH WAY EACH FACE. SPACING IN INCHES = 140/(WALL THICKNESS IN INCHES) BUT NOT OVER 18" O.C.
- B. BEAMS: 1-#9 CONTINUOUS TOP AND BOTTOM FOR EACH 100 SQUARE INCHES OF BEAM CROSS SECTIONAL AREA AND #4 STIRRUPS SPACED AT 1/4 OF BEAM DEPTH FULL LENGTH OF BEAM.
- C. COLUMNS: 1-#9 VERTICAL PER 50 SQUARE INCHES OF CROSS SECTIONAL AREA AND #3 TIES @ 9" O.C.
- D. SLABS: #5 EACH WAY TOP AND BOTTOM. SPACING IN INCHES = 100/(SLAB THICKNESS IN INCHES) BUT NOT OVER 18" O.C.
- ON SHOP DRAWINGS, INDICATE ABOVE REINFORCING AS "PER GENERAL NOTES". SUCH REINFORCING MAY BE REVISED OR RELOCATED BY STRUCTURAL ENGINEER DURING SHOP DRAWING REVIEW.
18. MASONRY DOWELS: PROVIDE, PLACE, AND SPACE TO MATCH MASONRY REINFORCING.
19. PROVIDE STANDARD HOOKS ON BARS TERMINATING AT A CONCRETE FACE UNLESS NOTED (E.G.: EDGES OF OPENINGS, SLAB EDGES, EXPANSION JOINTS, ENDS OF BEAMS, AND AT TOP, BOTTOM AND ENDS OF WALLS, ETC...).
20. PROVIDE 2-#5 (MINIMUM) @ EACH SIDE OF OPENING. EXTEND 2'-0" BEYOND OPENINGS.

BUILDING LOAD CRITERIA - LIVE LOADS		
ITEM	VALUE	
ROOF	ROOF LIVE LOAD	20 PSF.
SECOND FLOOR	FLOOR LIVE LOAD+PARTITION	80 PSF.
CORRIDOR & PUBLIC	FLOOR LIVE LOAD	100 PSF.
STORAGE & ELECTRICAL ROOMS	FLOOR LIVE LOAD	100 PSF.
STAIR & ITS LANDING(S)	FLOOR LIVE LOAD	100 PSF.

BUILDING LOAD CRITERIA - DEAD LOADS		
ITEM	MAXIMUM UNIFORMLY DISTRIBUTED LOAD...	
ROOF	ROOFING	3 PSF
	INSULATION	3 PSF
	ROOF SHEATHING	3 PSF
	MEP	2 PSF
	FRAMING	5 PSF
	CEILING	4 PSF
2ND FLOOR	TOTAL ROOF DEAD LOAD	20 PSF
	FLOOR FINISH	1 PSF
	ELEVATED SLAB	60 PSF
	FRAMING	5 PSF
	MEP	2 PSF
	CEILING	2 PSF
STAIR & LANDING	TOTAL FLOOR DEAD LOAD	70 PSF
	TOTAL STAIR & LANDING DEAD LOAD	50 PSF

SHEET LIST				
Sheet Number	Sheet Name	Sheet Issue Date	Progress	Current Revision
S001	NOTES	2/24/2025	100%	
S002	NOTES	2/24/2025	100%	
S003	SPECIAL INSPECTIONS	2/24/2025	100%	
S100	FOUNDATION	2/24/2025	100%	
S101	LOW ROOF FRAMING	2/24/2025	100%	
S102	HIGH ROOF PLAN	2/24/2025	100%	
S200	FOUNDATION DETAILS	2/24/2025	100%	
S201	FOUNDATION/FRAMING DETAILS	2/24/2025	100%	
S300	SECTIONS AND DETAILS	2/24/2025	100%	
S301	SECTIONS AND DETAILS	2/24/2025	100%	
S302	SECTIONS AND DETAILS	2/24/2025	100%	
S303	SECTIONS AND DETAILS	2/24/2025	100%	

BUILDING LOAD CRITERIA - SEISMIC LOADS		
SEISMIC PARAMETER & LOADING - (AS PER ASCE7-16 CHAPTER 11 & CHAPTER 12)		
ITEM	VALUE	
RISK CATEGORY	IV	
SEISMIC IMPORTANCE FACTOR, Ie	1.5	
PROCEDURE USED FOR DESIGN	EQUIVALENT LATERAL FORCE PROCEDURE	
THE MAPPED AND DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS & 1-SECOND PERIODD	Ss	0.217 g
	Sds	0.116 g
	S1	0.055 g
	Sd1	0.030 g
SITE CLASS	B	
SEISMIC DESIGN CATEGORY	A	
SEISMIC FORCE RESISTING SYSTEM	STEEL FRAME NOT SPECIFICALLY DESIGNED FOR SEISMIC RESISTANCE	
R	3	
SEISMIC BASE SHEAR	10 KIPS	



REVISIONS:		
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S001		



METAL ROOF DECK:

- METAL ROOF DECK SHALL COMPLY WITH THE REQUIREMENTS OF THE STEEL DECK INSTITUTE PROJECT SPECIFICATIONS SEE PLANS FOR DECK TYPES AND GAUGES.
- METAL ROOF DECK HAS BEEN DESIGNED TO FUNCTION AS A DIAPHRAGM FOR THE TRANSMISSION OF LATERAL LOADS.
- LAP DECK 4" MINIMUM AT SPLICES CENTERED ON SUPPORT.
- DO NOT SUSPEND POINT LOADS FROM DECK INCLUDING HANGERS FOR: CEILINGS, PIPES, DUCTS, EQUIPMENT, ETC.. CONTRACTOR INSTALLING SUCH POINT LOADS SHALL PROVIDE SUB-FRAMING TO TRANSFER LOAD TO STRUCTURE SUPPORTING DECK.
- FABRICATE DECK UNITS IN LENGTHS TO SPAN THREE OR MORE SUPPORT SPACINGS.
- MINIMUM YIELD STRENGTH = 80 K.S.I.
- METAL DECK SHALL BE ROLLED OF STEEL SHEETS CONFORMING TO A.S.T.M. A653 GRADE A.
- DECKING MANUFACTURER SHALL COORDINATE SIZE AND LOCATION OF ROOF OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. PROVIDE FRAMING FOR OPENINGS PER TYPICAL DETAILS.

FOUNDATIONS:

DESIGN:

- THE FOUNDATION HAS BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS MADE IN THE "SOILS AND FOUNDATION INVESTIGATION" BY KEVIN L. PATTON.
- BACKFILLING:
  - DO NOT BACKFILL BASEMENT WALLS AND GRADE BEAMS UNTIL BRACING FLOORS ARE IN PLACE OR ADEQUATE TEMPORARY BRACING IS INSTALLED.
  - WHERE FOUNDATION WALLS ARE TO HAVE EARTH PLACED ON EACH SIDE, PLACE FILL SIMULTANEOUSLY SO AS TO MAINTAIN A COMMON ELEVATION ON EACH SIDE OF THE WALL.
  - BACKFILL UNDER FOUNDATIONS WITH CONCRETE OR AS APPROVED BY GEOTECHNICAL ENGINEER.

SPREAD FOOTINGS:

- FOOTINGS SHALL BEAR ON APPROVED COMPACTED FILL CAPABLE OF SUSTAINING A NET BEARING PRESSURE OF 3.0 K.S.F. UNDER FULL SERVICE LIVE AND DEAD LOAD.
- TOP OF FOOTING (T/F) ELEVATIONS ARE SHOWN ON THE PLANS.
- FOOTINGS SHALL NOT BE POURED INTO AN EARTH-FORMED TRENCH U.N.O..
- ALL BEARING MATERIAL SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETE PLACEMENT. THE GEOTECHNICAL ENGINEER SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL. FOOTING ELEVATIONS SHALL BE ADJUSTED AS REQUIRED.
- BOTTOM OF EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 48" BELOW FINAL GRADE FOR FROST PROTECTION.
- SLIDING RESISTANCE (ALLOWABLE LOADS):
  - COEFFICIENT OF SLIDING FRICTION = 0.35
  - PASSIVE PRESSURE = 200 P.S.F./FT
- SLAB-ON-GRADE HAVE BEEN DESIGNED USING A SUBGRADE MODULUS OF 175 P.C.I.

STEEL JOISTS:

- STEEL JOISTS SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH "S.J.I." SPECIFICATIONS (LATEST EDITION).
- BRIDGING SHALL BE SPACED IN ACCORDANCE WITH S.J.I. SPECIFICATIONS AND THE ERECTION DRAWINGS OF THE JOIST SUPPLIER. STEEL JOIST BRIDGING SHALL BE PLACED AND JOIST ENDS FIXED PRIOR TO THE APPLICATION OF ANY LOADS. JOIST SUPPLIER SHALL PROVIDE ALL BRIDGING NECESSARY TO ADEQUATELY BRACE THE JOIST TOP CHORD WHERE ROOF CONSTRUCTION IS INSUFFICIENT.
- MINIMUM BEARING REQUIREMENTS, UNLESS NOTED OTHERWISE:

K SERIES: 2 1/2" ON STRUCTURAL STEEL, 4" ON CONCRETE OR MASONRY  
LH AND DLH SERIES: 4" ON STRUCTURAL STEEL, 6" ON CONCRETE, OR MASONRY
- UNLESS NOTED OTHERWISE, JOISTS SHALL BE ATTACHED TO SUPPORTING STEEL WORK AT MINIMUM AS FOLLOWS:

K / KCS / E SERIES: TWO 1/8" FILLET WELDS (ONE EACH SIDE) 2 1/2" LONG OR EQUIVALENT.  
LH SERIES (TOP CHORD ANGLE LEG LESS THAN OR EQUAL TO 2 1/2"): TWO 3/16" FILLET WELDS (ONE EACH SIDE) 1/2" LONG OR EQUIVALENT.  
LH / DLH SERIES (TOP CHORD ANGLE LEG LESS THAN OR EQUAL TO 3 1/2"): TWO 1/4" FILLET WELDS (ONE EACH SIDE) 2 1/2" LONG OR EQUIVALENT.  
LH / DLH SERIES (TOP CHORD ANGLE LEG GREATER THAN OR EQUAL TO 4"): TWO 1/4" FILLET WELDS (ONE EACH SIDE) 4" LONG OR EQUIVALENT.  
JOIST GIRDERS: TWO 5/16" FILLET WELDS (ONE EACH SIDE) 4" LONG OR EQUIVALENT.
- JOISTS, AT COLUMN CENTERLINES, SHALL BE BOLTED TO STRUCTURAL STEEL BEAMS PER S.J.I. REQUIREMENTS.
- SEE DETAILS ON STRUCTURAL DRAWINGS FOR ATTACHMENT OF JOISTS TO CONCRETE AND MASONRY.
- BRIDGING THAT TERMINATES AT, OR IS INTERRUPTED BY, STRUCTURAL STEEL BEAMS, SHALL BE ATTACHED THERETO BY FIELD WELDING OR BOLTING. SEE DRAWINGS FOR DETAIL OF ATTACHMENT OF BRIDGING TO CONCRETE OR MASONRY.
- JOISTS SHALL BE STOCKPILED AT THE JOBSITE IN A VERTICAL POSITION, RESTING ON THEIR TOP OR BOTTOM CHORDS, AND SHALL BE ADEQUATELY SUPPORTED WITH WOOD BLOCKING. KEEP JOISTS FREE OF MUD AND DIRT.
- IT SHALL BE THE ERECTOR'S RESPONSIBILITY TO SEE THAT JOISTS WHICH ARE DAMAGED, KINKED, BENT, OR WITH BROKEN WELDS, ARE NOT PLACED IN THE STRUCTURE.
- JOIST SUPPLIER SHALL DESIGN JOISTS AND SUBMIT CALCULATIONS, STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER IN THE STATE OF THE PROJECT FOR RECORD COPY TO BUILDING DEPARTMENT AND ENGINEER OF RECORD PRIOR TO FABRICATION OF JOISTS. THE ABOVE CALCULATIONS TO INCLUDE ALL LOADING CONDITIONS SHOWN ON THE DRAWINGS AND DETAILS.
- JOIST ENDS, AT ROOF DIAPHRAGM BOUNDARIES, SHALL BE CAPABLE OF TRANSMITTING THE BOUNDARY SHEAR TO THE SUPPORTING STRUCTURE. SEE DETAILS.
- THE JOIST DESIGN AND BRIDGING PLACEMENT SHALL BE CHECKED BY THE JOIST MANUFACTURER USING THE NET UPLIFT SPECIFIED ON THE DRAWINGS. CHANGES IN JOIST SIZE AND/OR BRIDGING PLACEMENT WILL SHOW UP ON THE SHOP DRAWINGS.
- LOCATE PIPE AND EQUIPMENT HANGERS AND OTHER CONCENTRATED LOADS ONLY WHERE LOADS ARE SHOWN ON JOIST SHOP DRAWINGS. ATTACHMENT METHOD AS APPROVED BY JOIST MANUFACTURER.
- ALL HOLES IN SUPPORTING STEEL PROVIDED FOR JOIST ERECTION SHALL BE "FILLED" WITH APPROPRIATE DIAMETER BOLT OR PLUG WELDED. HOLES IN SUPPORTING STEEL SHALL NOT BE SLOTTED.

REINFORCED MASONRY:

- NOTES APPLY TO MASONRY SHOWN ON STRUCTURAL DRAWINGS AND SHALL BE THE MINIMUM REQUIREMENTS FOR MASONRY SHOWN ON THE ARCHITECTURAL DRAWINGS.
- CONCRETE MASONRY:
  - COMPRESSIVE STRENGTH OF MASONRY, PRISM STRENGTH F'm = 1500 P.S.I.
  - CONCRETE MASONRY UNITS:

A.S.T.M. C90  
NORMAL WEIGHT (135 P.C.F.), 2 CELL UNITS
  - GROUT:

A.S.T.M. C476  
STRENGTH AT 28 DAYS = 100% OF F'm, 2500 P.S.I. MINIMUM
  - MORTAR:

A.S.T.M. C270  
TYPE - M, AT EXTERIOR WALLS BELOW GRADE, HYDRATED LIME REQUIRED  
TYPE - M OR S, AT EXTERIOR WALLS ABOVE GRADE, HYDRATED LIME REQUIRED  
TYPE - S, AT INTERIOR WALLS, HYDRATED LIME REQUIRED
- REINFORCED MASONRY REQUIRES CONTINUOUS SPECIAL INSPECTION - SEE SPECIFICATIONS AND SPECIAL INSPECTION TABLES.
- REINFORCING: BARS SHALL CONFORM TO A.S.T.M. A615, GRADE 60, UNLESS NOTED ON DRAWINGS. WIRES SHALL CONFORM TO A.S.T.M. A951
- DOWELS FROM C.I.P. CONCRETE SHALL MATCH THE VERTICAL REINFORCEMENT IN THE WALL ABOVE UNLESS NOTED OTHERWISE. SUCH DOWELS SHALL BE FURNISHED BY THE CONCRETE CONTRACTOR.
- WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL BLOCK CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN 6 VERTICAL. DOWELS MAY BE GROUTED INTO A CELL IN VERTICAL ALIGNMENT, EVEN THOUGH IT IS IN AN ADJACENT CELL TO THE VERTICAL WALL REINFORCING.
- SPLICED REINFORCING SHALL BE LAPPED 48 BAR DIAMETERS OR 24", WHICHEVER IS GREATER. SPLICED BARS SHALL BE WIRED TOGETHER. \*\*\*GENERATE NEW LAPS BASED ON ACI 530-08 (EQ2-12) AND NEWER, USE FM AND OTHER PROJECT REQUIREMENTS.
- VERTICAL BARS SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT INTERVALS NOT EXCEEDING 192 DIAMETERS OF THE REINFORCING.
- VERTICAL REINFORCING BARS SHALL HAVE A MINIMUM CLEARANCE OF 3/4" FROM THE MASONRY OR ADJACENT BARS AND NOT LESS THAN ONE BAR DIAMETER BETWEEN BARS NOT SPLICED.
- VERTICAL GROUTING MAY BE EITHER "LOW LIFT" OR "HIGH LIFT" AT THE CONTRACTOR'S OPTION.
- VERTICAL CELLS THAT WILL BE GROUTED SHALL HAVE VERTICAL ALIGNMENT TO MAINTAIN A CONTINUOUS UNOBSTRUCTED CELL AREA NOT LESS THAN 2" x 3".
- GROUTING SHALL BE STOPPED 1/2" BELOW THE TOP OF A COURSE SO AS TO FORM A KEY AT THE POUR JOINT.
- GROUTING OF MASONRY BEAMS OVER OPENINGS SHALL BE DONE IN ONE CONTINUOUS OPERATION.
- ALL BOLTS, ANCHORS, ETC., INSERTED IN THE WALLS, SHALL BE GROUTED SOLID INTO POSITION.
- ALL HORIZONTAL REINFORCING (JOINT REINFORCING AND REBAR) SHALL STOP AT CONTROL JOINTS.
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND DETAILS OF DOOR AND WINDOW OPENINGS FOR SPECIAL COURSING AND OTHER MASONRY DETAILS. THE INFORMATION SHOWN ON THE STRUCTURAL DRAWINGS IS INTENDED TO DEFINE THE STRUCTURAL REQUIREMENT ONLY.
- MINIMUM WALL REINFORCING UNLESS NOTED OTHERWISE:

NOMINAL WALL THICKNESS 8"	VERTICAL REINFORCING #5@24"O.C. MID.	HORIZONTAL JOINT REINFORCING 9 GA. E.F. @ 16"O.C.	BOND BEAM REINFORCING 2-#5
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PROVIDE BOND BEAMS AT: BASE OF WALL, SILL LINES; BOTTOM EDGE OF OPENINGS (EXTEND MINIMUM OF 2'-0" PAST OPENING); TOP OF WALLS, FLOOR LINES, ROOF LINES, TOP OF PARAPETS, AND AT 10'-0"O.C. MAXIMUM BETWEEN. BOND BEAM SHALL BE CONTINUOUS UNLESS NOTED OTHERWISE.

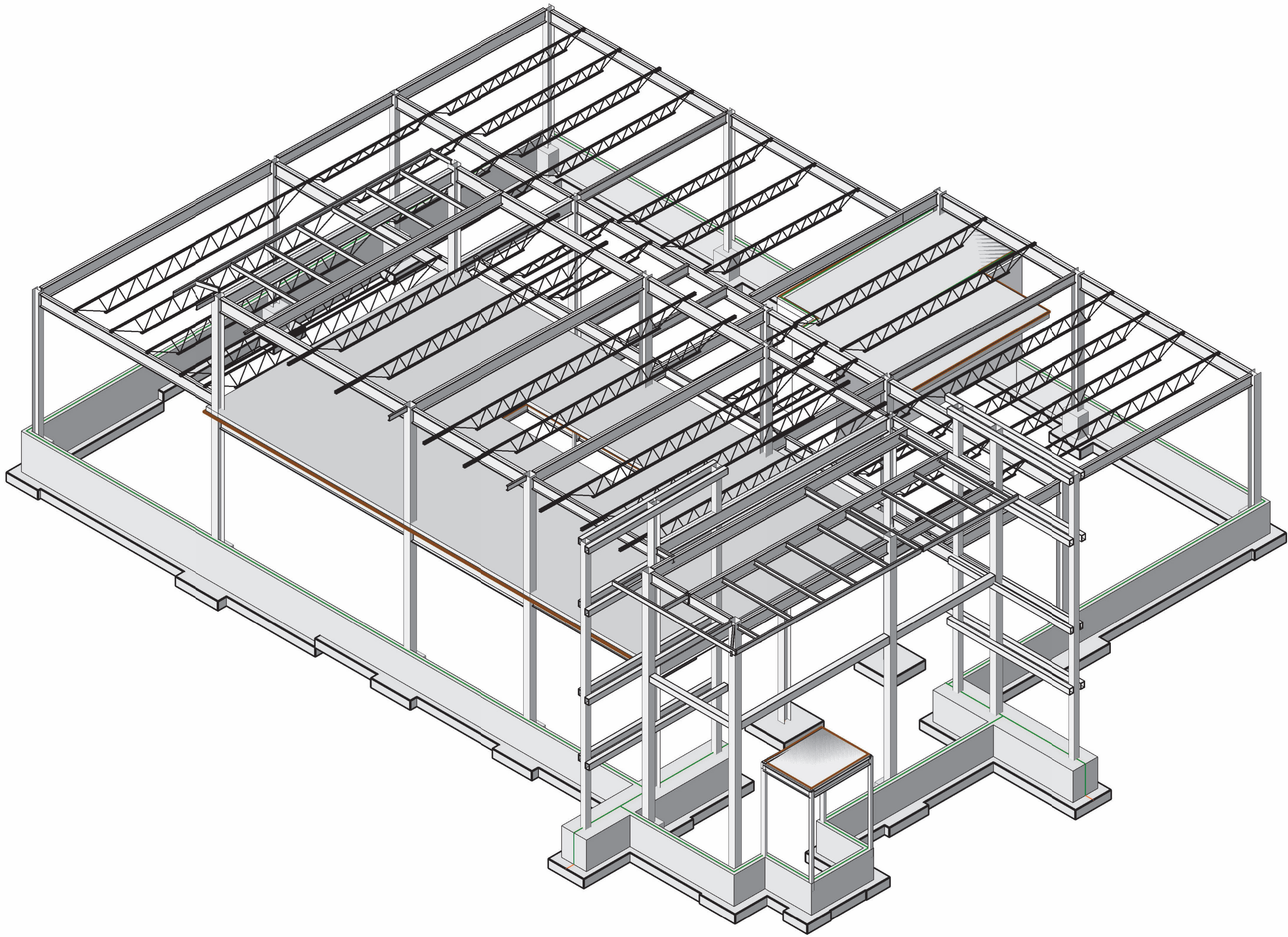
HORIZONTAL JOINT REINFORCING: WIRE LADDER TYPE @ 16"O.C., UNLESS NOTED OTHERWISE, PROVIDE HORIZONTAL JOINT REINFORCING @ 8"O.C. AT STACK BOND LOCATIONS.

SEE TYPICAL DETAILS FOR LINTEL SCHEDULE OVER OPENINGS.

- PROVIDE VERTICAL WALL REINFORCING, SAME SIZE AS ADJACENT BAR, AT: CORNERS, ENDS, JAMBS, EACH SIDE OF OPENING, AND EACH SIDE OF CONTROL AND EXPANSION JOINTS.
- CONTINUE VERTICAL REINFORCING FLOOR TO FLOOR (OR ROOF) AND EXTEND TO TOP OF PARAPET.
- CONTINUE REINFORCING THROUGH CONSTRUCTION JOINTS, AND AROUND CORNERS UNLESS NOTED OTHERWISE.
- PROVIDE STANDARD HOOKS ON BARS TERMINATING INTO MASONRY FACE: IN WALLS AT OPENINGS, HEADS, JAMBS, EXPANSION JOINTS, ENDS; IN BEAMS AT TOP, BOTTOM, AND ENDS
- SPLICE CONTINUOUS TOP BARS AT MID SPAN AND BOTTOM BARS OVER SUPPORT. SPLICE VERTICAL REINFORCING AT FLOOR OR ROOF LINES.
- COORDINATE BLOCK-OUTS, REVEALS, HOLES, OPENINGS, AND BUILT IN ITEMS WITH ALL CONTRACT DOCUMENTS AND TRADES.
- GROUT CELLS SOLID AT: REINFORCING, BOND BEAMS, INSERTS, ANCHORS, ELEVATOR GUIDE RAILS, AND 24" BELOW BEARING POINT OF STEEL SECTIONS AND 12" TO EACH SIDE.
- PROVIDE SHOP DRAWINGS WITH WALL ELEVATIONS SHOWING REINFORCING, OPENINGS, AND POCKETS.
- ALL BEAMS BEARING ON MASONRY SHALL BEAR ON 1/2"x 6 1/2"x 1'-4" BEARING PLATE w/ (2) 1/2" DIA. x 5' LG. HEADED STUDS U.N.O. PROVIDE 2" DIA. HOLE IN BEARING PLATES - VIBRATE GROUT AFTER PLACEMENT OF PLATE. WELD BEAM TO BEARING PLATE w/ 1/4" x 2" LONG FILLET WELD EACH SIDE.

DEFERRED SUBMITTALS:

- THE FOLLOWING PROJECT COMPONENTS REQUIRE DESIGN TO BE PROVIDED BY A QUALIFIED PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF THE PROJECT:
  - CONNECTION DESIGN FOR BRACED FRAMES, MOMENT CONNECTIONS, COLLECTOR BEAMS AND TYPICAL SHEAR CONNECTIONS.
  - STEEL STAIR CALCULATIONS AND DETAILS.
  - STEEL LADDER CALCULATIONS AND DETAILS.
  - PREFABRICATED METAL BUILDING DESIGN AND CALCULATIONS FOR CANOPIES.
  - STEEL JOIST AND JOIST GIRDER CALCULATIONS AND DESIGN.



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MISCELLANEOUS:

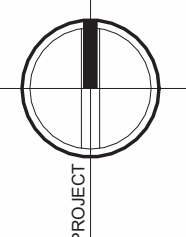
- STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK.
- NO OPENING SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.
- NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.
- OPENINGS 1'-4" AND LESS ON A SIDE ARE GENERALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SUCH OPENINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.
- THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES.
- UNLESS OTHERWISE NOTED, FIRE PROOFING METHODS AND MATERIALS FOR STRUCTURAL MEMBERS ARE NOT SHOWN ON STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR FIRE RATING REQUIREMENTS, FIRE PROOFING METHODS AND MATERIALS.
- DO NOT SCALE THESE DRAWINGS, USE DIMENSIONS.
- CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD. EXPANSION JOINTS SHOWN ON THE DRAWINGS HAVE BEEN DESIGNED TO ACCOMMODATE ANTICIPATED THERMAL MOVEMENT AFTER THE BUILDING IS COMPLETE.
- THE CONTRACTOR SHALL INFORM THE ARCHITECT IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY FOR SUCH DEVIATION BY THE ARCHITECT'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, ETC., UNLESS HE HAS SPECIFICALLY INFORMED THE ARCHITECT OF SUCH DEVIATION AT THE TIME OF SUBMISSION, AND THE ARCHITECT HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.
- ALL THINGS WHICH, IN THE OPINION OF THE CONTRACTOR, APPEAR TO BE DEFICIENCIES, OMISSIONS, CONTRADICTIONS, OR AMBIGUITIES, IN THE PLANS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. PLANS AND/OR SPECIFICATIONS WILL BE CORRECTED, OR WRITTEN INTERPRETATION OF THE ALLEGED DEFICIENCY, OMISSION, CONTRADICTION OR AMBIGUITY WILL BE MADE BY THE ARCHITECT BEFORE THE AFFECTED WORK PROCEEDS.
- CHECK ALL DIMENSIONS AGAINST REQUIREMENTS OF OTHER CONTRACT DOCUMENTS. FIELD VERIFY DIMENSIONS RELATING TO EXISTING CONDITIONS PRIOR TO ORDERING MATERIALS AND FABRICATION.
- WHERE DIMENSIONS OR WEIGHTS OF EQUIPMENT OR SYSTEMS ARE VARIABLE FROM MANUFACTURER TO MANUFACTURER, VERIFY DIMENSIONS AND WEIGHTS SHOWN ON DRAWINGS WITH SELECTED MANUFACTURER PRIOR TO ORDERING MATERIALS. NOTIFY STRUCTURAL ENGINEER OF DISCREPANCIES.
- DO NOT PLACE EQUIPMENT WHEN SHIPPING OR OPERATING WEIGHT EXCEEDS WEIGHT INDICATED ON STRUCTURAL DRAWINGS.
- NO MODIFICATION, ALTERATION OR REPAIR SHALL BE MADE WITHOUT PRIOR REVIEW BY STRUCTURAL ENGINEER. SUBMIT DETAILS AND CALCULATIONS PREPARED BY A PROFESSIONAL ENGINEER REGISTERED IN STATE WHERE PROJECT IS LOCATED AND EMPLOYED BY CONTRACTORS.
- VERIFY ELEVATOR AND ESCALATOR PIT DIMENSIONS, LOCATIONS, LOADINGS AND DETAILS WITH SUPPLIERS PRIOR TO THE FABRICATION AND/OR INSTALLATION OF ANY MATERIAL.

**EDPONS**  
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REVISIONS:

NUM.	DATE	DESCRIPTION

100% BID DOCUMENTS



KEY PLAN

WORK AREA



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Project: **POLICE STATION**  
TOWN OF MONTGOMERY, ORANGE COUNTY, NEW YORK

Drawing: **NOTES**



Project: 23321 Date: 2/24/2025

Drawn: Author Scale: AS NOTED

Drawing Number:

S002



- SPECIAL INSPECTION:**
- THE FOLLOWING STRUCTURAL ELEMENTS OF CONSTRUCTION SHALL REQUIRE SPECIAL INSPECTION PER N.Y.B.C. SECTION 1704. OWNER TO FURNISH INSPECTION UNLESS INSTRUCTED OTHERWISE BY THE CONSTRUCTION CONTRACT.
- NOTES:**
1. SPECIAL INSPECTION IS NOT A SUBSTITUTE FOR INSPECTION BY A COUNTY INSPECTOR. SPECIALLY INSPECTED WORK WHICH IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF THE COUNTY INSPECTOR IS SUBJECT TO REMOVAL OR EXPOSURE.
  2. THE SPECIAL INSPECTIONS MUST BE CERTIFIED BY THE COUNTY TO PERFORM THE TYPES OF INSPECTION SPECIFIED.
  3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST ONE WORKING DAY PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION. ANY WORK PERFORMED WITHOUT REQUIRED SPECIAL INSPECTION IS SUBJECT TO REMOVAL.
  4. SUBMIT WRITTEN REPORTS WITHIN TWO DAYS OF TESTING TO ARCHITECT, ENGINEER OF RECORD AND BUILDING OFFICIAL.


MINIMUM QUALIFICATIONS FOR SPECIAL INSPECTORS	
REINFORCED CONCRETE	<ol style="list-style-type: none"> <li>1. CURRENT ICC REINFORCED CONCRETE SPECIAL INSPECTOR OR ACI CONCRETE CONSTRUCTION INSPECTOR.</li> <li>2. CONCRETE FIELD TESTING CAN BE BY AN ACI CONCRETE FIELD TESTING TECHNICIAN WITH GRADE I CERTIFICATION.</li> <li>3. ENGINEER-IN-TRAINING (EIT) WITH RELEVANT EXPERIENCE.</li> <li>4. PENNSYLVANIA STATE LICENSED PROFESSIONAL ENGINEER (P.E.) WITH RELEVANT EXPERIENCE.</li> </ol>
WELDING	<ol style="list-style-type: none"> <li>1. CURRENT AWS CERTIFIED WELDING INSPECTOR.</li> <li>2. CURRENT ICC STRUCTURAL STEEL AND WELDING CERTIFICATE PLUS ONE YEAR OF RELEVANT EXPERIENCE.</li> <li>3. CURRENT LEVEL II CERTIFICATION FROM THE AMERICAN SOCIETY FOR NONDESTRUCTIVE TESTING (NDT).</li> <li>4. CURRENT NDT LEVEL III PROVIDED PREVIOUSLY CERTIFIED AS NDT LEVEL II.</li> </ol>
HIGH-STRENGTH BOLTING & STEEL FRAME INSPECTION	<ol style="list-style-type: none"> <li>1. CURRENT ICC STRUCTURAL STEEL AND WELDING CERTIFICATION AND ONE YEAR OF RELEVANT EXPERIENCE.</li> <li>2. EIT WITH RELEVANT EXPERIENCE.</li> <li>3. P.E. WITH RELEVANT EXPERIENCE.</li> </ol>
MASONRY	<ol style="list-style-type: none"> <li>1. CURRENT ICC STRUCTURAL MASONRY CERTIFICATION AND ONE YEAR OF RELEVANT EXPERIENCE.</li> <li>2. EIT WITH RELEVANT EXPERIENCE.</li> <li>3. P.E. WITH RELEVANT EXPERIENCE.</li> </ol>
EXCAVATION AND FILLING; VERIFICATION OF SOILS:	<ol style="list-style-type: none"> <li>1. CURRENT LEVEL II CERTIFICATION IN GEOTECHNICAL ENGINEERING TECHNOLOGY/CONSTRUCTION FROM THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET).</li> <li>2. EIT WITH RELEVANT EXPERIENCE.</li> <li>3. P.E. WITH RELEVANT EXPERIENCE.</li> </ol>
INSPECTION OF FABRICATORS	<ol style="list-style-type: none"> <li>1. BAR JOIST: SEE WELDING REQUIREMENTS.</li> <li>2. STRUCTURAL STEEL: SEE WELDING REQUIREMENTS</li> </ol>
EXTERIOR AND INTERIOR ARCHITECTURAL WALL PANELS	<ol style="list-style-type: none"> <li>1. P.E. WITH RELEVANT EXPERIENCE.</li> <li>2. EIT WITH RELEVANT EXPERIENCE.</li> <li>3. SEE THE MASONRY REQUIREMENTS FOR THE SI OF MASONRY VENEERS SUBJECT TO BCNVS SECTION 1704.10.</li> </ol>
EXTERIOR INSULATION AND FINISH SYSTEM	<ol style="list-style-type: none"> <li>1. REGISTERED DESIGN PROFESSIONAL (RDP) WITH RELEVANT EXPERIENCE.</li> <li>2. EIT WITH RELEVANT EXPERIENCE</li> </ol>
SMOKE CONTROL	<ol style="list-style-type: none"> <li>1. THE RDP RESPONSIBLE FOR DESIGN.</li> </ol>
SEISMIC RESISTANCE	<ol style="list-style-type: none"> <li>1. SEE THE APPLICABLE CATEGORIES IN THIS TABLE.</li> </ol>

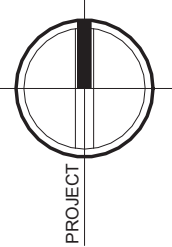


SOILS INSPECTIONS AND VERIFICATION		FREQUENCY	
		CONTINUOUS	PERIODIC
1.	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X
2.	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
3.	PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	-	X
4.	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	X	-
5.	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X

FOUNDATION INSPECTIONS AND VERIFICATION SOILS - TABLE 1704.7		FREQUENCY	
		CONTINUOUS	PERIODIC
1.	VERIFY SUBGRADE MATERIALS BELOW THE FOOTING FOR DESIGN BEARING CAPACITY.		X
2.	VERIFY DEPTH OF EXCAVATION AND TYPE OF SUBGRADE MATERIALS REACHED.		X
3.	PERFORM CLASSIFICATION AND COMPACTION TESTING OF CONTROLLED BACKFILL MATERIALS.		X
4.	VERIFY MATERIALS USED, LAYERED THICKNESSES AND COMPACTION OF BACK FILLS.	X	
5.	VERIFY THE SUBGRADE AND SITE PREPARATIONS FOR CONTROLLED FILL.		X
6.	COMPLIANCE WITH REQUIRED PROVISIONS OF THE GEOTECHNICAL REPORT AND CONSTRUCTION DOCUMENTS.		X

CONCRETE INSPECTIONS AND VERIFICATION (TABLE 1704.4)	FREQUENCY	
	CONTINUOUS	PERIODIC
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.		X
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE FOR STRUCTURAL STEEL, INSPECTION, ITEM 5B.	X	
3. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED.	X	
4. VERIFYING USE OF REQUIRED DESIGN MIX.		X
5. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	
6. INSPECTION OF CONCRETE AND SHOTCRETE FORMWORK FOR PROPER APPLICATION TECHNIQUES.	X	
7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		X
8. ERECTION OF PRECAST CONCRETE MEMBERS.		X
9. 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
10. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		X
ERECTION OF PRECAST CONCRETE MEMBERS.		
11. VERIFY SUBMITTAL OF CERTIFIED MILL TEST REPORTS FOR EACH SHIPMENT OF REINFORCING STEEL USED TO RESIST FLEXURAL, SHEAR AND AXIAL FORCES IN REINFORCED CONCRETE INTERMEDIATE FRAMES, SPECIAL MOMENT FRAMES AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE OR REINFORCED MASONRY SHEAR WALLS.		X
12. TEST ASTM A 615 REINFORCING STEEL IS USED TO RESIST EARTHQUAKE INDUCED FLEXURAL AND AXIAL FORCES IN SPECIAL MOMENT FRAMES AND IN VARIOUS BOUNDARY ELEMENTS OF SHEAR WALLS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E OR F, PER ACI 318.		X
13. TEST ASTM A 615 REINFORCING STEEL THAT IS TO BE WELDED, CHEMICAL TESTS SHALL BE PERFORMED TO DETERMINE WELDABILITY IN ACCORDANCE WITH SECTION 3.5.2 OF ACI 318		X
14. INSTALLATION OF (CHEMICAL / EPOXY) ADHESIVE ANCHORS, RODS AND DOWELS	X	
15. INSTALLATION AND TORQUE TESTING EXPANSION ANCHORS	X	

STRUCTURAL STEEL INSPECTIONS AND VERIFICATION (TABLE T704.3)		FREQUENCY	
		CONTINUOUS	PERIODIC
1.	MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:		
a.	IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.		X
b.	MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.		X
2.	INSPECTION OF HIGH-2. STRENGTH BOLTING:		
a.	BEARING-TYPE CONNECTIONS. (SNUG TIGHT JOINTS)		X
b.	PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.		X
c.	PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	X	
3.	MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD - FORMED DECK		
a.	IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.		X
b.	MANUFACTURERS' CERTIFIED MILL TEST REPORTS.		X
4.	MATERIAL VERIFICATION OF WELD FILLET MATERIALS:		
a.	IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.		X
b.	MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.		X
5.	INSPECTION OF WELDING:		
a.	STRUCTURAL STEEL AND COLD - FORMED STEEL DECK		
1.)	COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.	X	
2.)	MULTI-PASS FILLET WELDS.	X	
3.)	SINGLE-PASS FILLET WELDS > 5/16"	X	
4.)	SINGLE-PASS FILLET WELDS ≤ 5/16"		X
5.)	FLOOR AND ROOF DECK WELDS.		X
6.)	WELDED STUDS WHEN USED FOR STRUCTURAL DIAPHRAGM.		X
7.)	WELDED SHEET STEEL FOR COLD-FORMED STEEL MEMBERS.		X
b.	WELDING OF STAIRS AND RAILING SYSTEM.		X
b.	REINFORCING STEEL:		
1.)	VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.	X	
2.)	REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT.	X	
3.)	SHEAR REINFORCEMENT.	X	
4.)	OTHER REINFORCING STEEL.		X
6.	INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:		
a.	DETAILS SUCH AS BRACING AND STIFFENING.		X
b.	MEMBER LOCATIONS.		X
c.	APPLICATION OF JOINT DETAILS AT EACH CONNECTION.		X
7.	INSPECTION OF FABRICATORS: REVIEW PLANT OPERATIONS AND QUALITY CONTROL PROCEDURES.		
8.	INSPECTION OF FLOOR AND ROOF DECK ATTACHMENT.		X
9.	INSPECTION OF STEEL JOIST AND JOIST GIRDER INSTALLATION AND ATTACHMENT TO SUPPORTS, INCLUDING BRIDGING AND ACCESSORIES.		X
10.	COMPLIANCE WITH CONSTRUCTION DOCUMENTS AND APPROVED SUBMITTALS SHALL BE VERIFIED WITH SETS USED IN THE FIELD.		
	INSPECTION OF FLOOR AND ROOF DECK ATTACHMENT.		
11.	THE TESTING SHALL BE AS REQUIRED BY AISC 341.	-	-
12.	BASE METAL THICKER THAN 1 1/2 INCHES (38 MM), WHERE SUBJECT TO THROUGH-THICKNESS WELD SHRINKAGE STRAINS, SHALL BE ULTRASONICALLY TESTED FOR DISCONTINUITIES BEHIND AND ADJACENT TO SUCH WELDS AFTER JOINT COMPLETION.	-	-
13.	THE ACCEPTANCE CRITERIA FOR NONDESTRUCTIVE TESTING SHALL BE AS REQUIRED IN AWS D11.1 AS SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL. ANY MATERIAL DISCONTINUITIES SHALL BE ACCEPTED OR REJECTED ON THE BASIS OF ASTM A 435 OR ASTM A 898 (LEVEL 1 CRITERIA) AND CRITERIA AS ESTABLISHED BY THE REGISTERED DESIGN PROFESSIONAL(S) IN RESPONSIBLE CHARGE AND THE CONSTRUCTION DOCUMENTS.		
14.	CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR STRUCTURAL WELDING IN ACCORDANCE WITH AISC 341.	X	

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	<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <b>KEY PLAN</b> </div> <div style="text-align: right;">  <small>WORK AREA</small> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 30%;"> <p style="font-size: 2em; margin: 0;">A D G</p> <p style="font-size: 1.5em; margin: 0;">ARCHITECTS</p> </div> <div style="width: 70%;"> <p>25 WALLKILL AVE • MONTGOMERY • NY 12549            O. 845.294.2724   F. 888.305.6442</p> <p>WWW.ADGRAPHITECT.COM            CONTACT@ADGRAPHITECT.COM</p> <p>ARCHITECTURE • PLANNING • INTERIORS</p> </div> </div>				
Project: <b>POLICE STATION</b> TOWN OF MONTGOMERY, ORANGE COUNTY, NEW YORK					
Drawing: <b>STRUCTURAL INSPECTIONS</b>					
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Project: 23321</td> <td style="width: 50%;">Date: 2/24/2025</td> </tr> <tr> <td>Drawn: RMH</td> <td>Scale: AS NOTED</td> </tr> </table> <p style="margin-top: 10px;">Drawing Number:</p> <div style="font-size: 3em; font-weight: bold; text-align: center; margin-top: 10px;">5003</div>	Project: 23321	Date: 2/24/2025	Drawn: RMH	Scale: AS NOTED
Project: 23321	Date: 2/24/2025				
Drawn: RMH	Scale: AS NOTED				





PIER SCHEDULE			
MARK	DIMENSIONS	VERT. REINF.	TIES
P16	1'-4"x1'-4"	(4)-#6	#4@3" O.C. TOP 12", 12" O.C. REMAINDER
P24	2'-0"x2'-0"	(10)-#6	#4@3" O.C. TOP 12", 12" O.C. REMAINDER

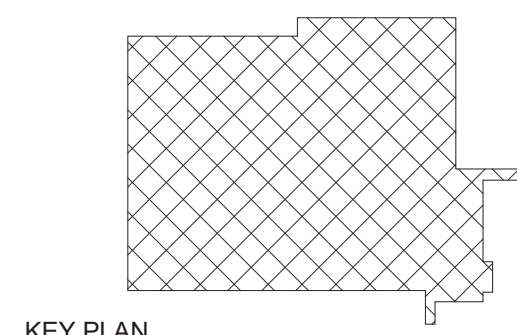
**FOUNDATION PLAN NOTES:**

1. FINISHED FLOOR ELEVATION 100'-0" (DATUM ELEVATION 422'-0" ON CIVIL DRAWINGS)
2. REINFORCE 5" THICK SLAB ON GRADE w/ WWF 6x6-W2 9xW2.9. PROVIDE 6" THICK COMPACTED CRUSHED STONE SUBBASE.
3. SEE MECHANICAL PLAN FOR LOCATIONS OF SUMP PITS AND FLOOR DRAINS.
4. SEE ARCHITECTURAL PLAN FOR ALL RECESSED FLOOR LOCATIONS.
5. PROVIDE 15 MIL VAPOR BARRIER BELOW SLAB.

XX"	INDICATES FOOTING DESIGNED TO BEAR ON SOIL
PXX (X-"XX")	INDICATES PIER TYPE (SEE SCHEDULE) & TOP OF PIER ELEVATION REFERENCED FROM FFEL
FXX (X-"XX")	INDICATES FOOTING TYPE (SEE SCHEDULE) & TOP OF FOOTING ELEVATION REFERENCED FROM FINISHED FLOOR ELEVATION
S.J.	INDICATES SLAB JOINT
BPX	INDICATES STEEL COLUMN BASEPLATE SEE SCHEDULE FOR SIZE & ANCHOR BOLTS
F.S.	INDICATES FOOTING STEP SEE TYPICAL DETAIL
W.S.	WALL STEP [X-"X"] INDICATES TOP OF WALL ELEVATION



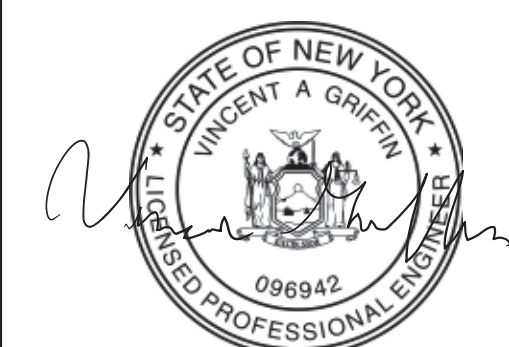
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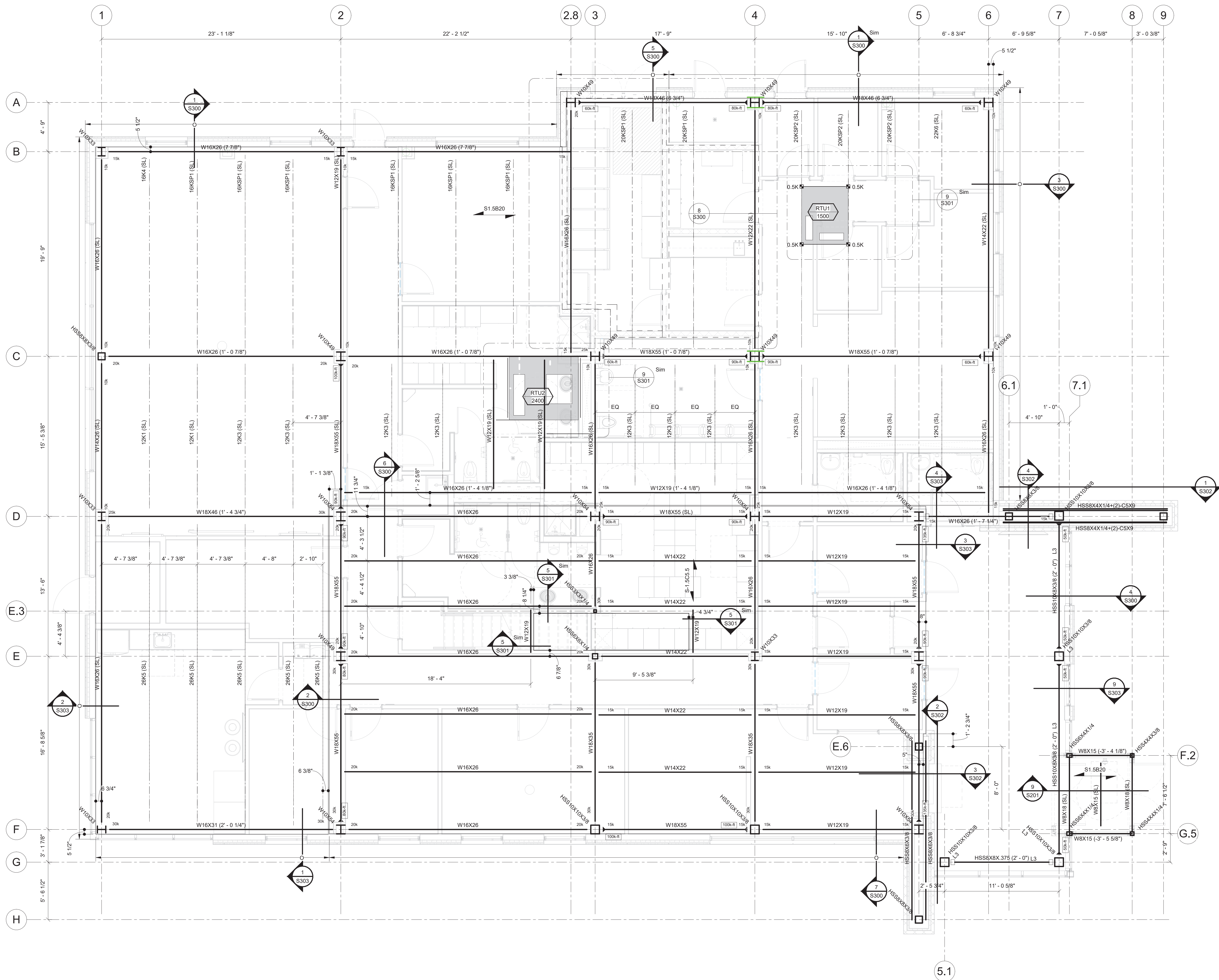
Drawing: FOUNDATION



Project: 23321	Date: 2/24/2025
Drawn: VAG	Scale: AS NOTED
Drawing Number:	

\$100





- INDICATES COL. WEB STIFFENER REQUIRED
- INDICATES MOMENT CONNECTION SEE TYP. DETAIL
- INDICATES CATEGORY OF AESS FINISHING
- INDICATES TO DESIGN BEAM CONNECTION FOR AXIAL LOAD SHOWN
- INDICATES TORSION RESTRAINT AT BEAM END. SEE TYP. DETAIL
- INDICATES 1 1/2" DEEP 20 GAGE COMPOSITE DECK W/ 4" N.W. CONCRETE TOPPING (5 1/2" TOTAL) W/ WWF-6x6-W2.9xW2.9
- INDICATES 1 1/2" DEEP 20 GAGE TYPE B ROOF DECK. CONN. TO STEEL W/ 5/8" DIA. PUDDLE WELDS 3/64 PATTERN. SPACE 8" AT EDGES AND PROVIDE (4x10) SIDELAP SCREWS
- DESIGN SHEAR REACTION
- XXX JOIST CONC. LOAD
- DESIGN AXIAL LOAD
- INDICATES DISTANCE FROM BEAM CENTERLINE TO EDGE OF DECK/FACE OF BENT PLATE OR ANGLE

- ALL REACTIONS SHOWN ARE FACTORED USING STRENGTH DESIGN IN ACCORDANCE ASCE 7-16
- ALL TOP OF STEEL ELEVATIONS REFCED FROM ELEVATION (113'-6 1/2')
- ALL BEAM ARE EQUALLY SPACED U.N.O.

NOTES-FLOOR/FRAMING  
1/4" = 1'-0"

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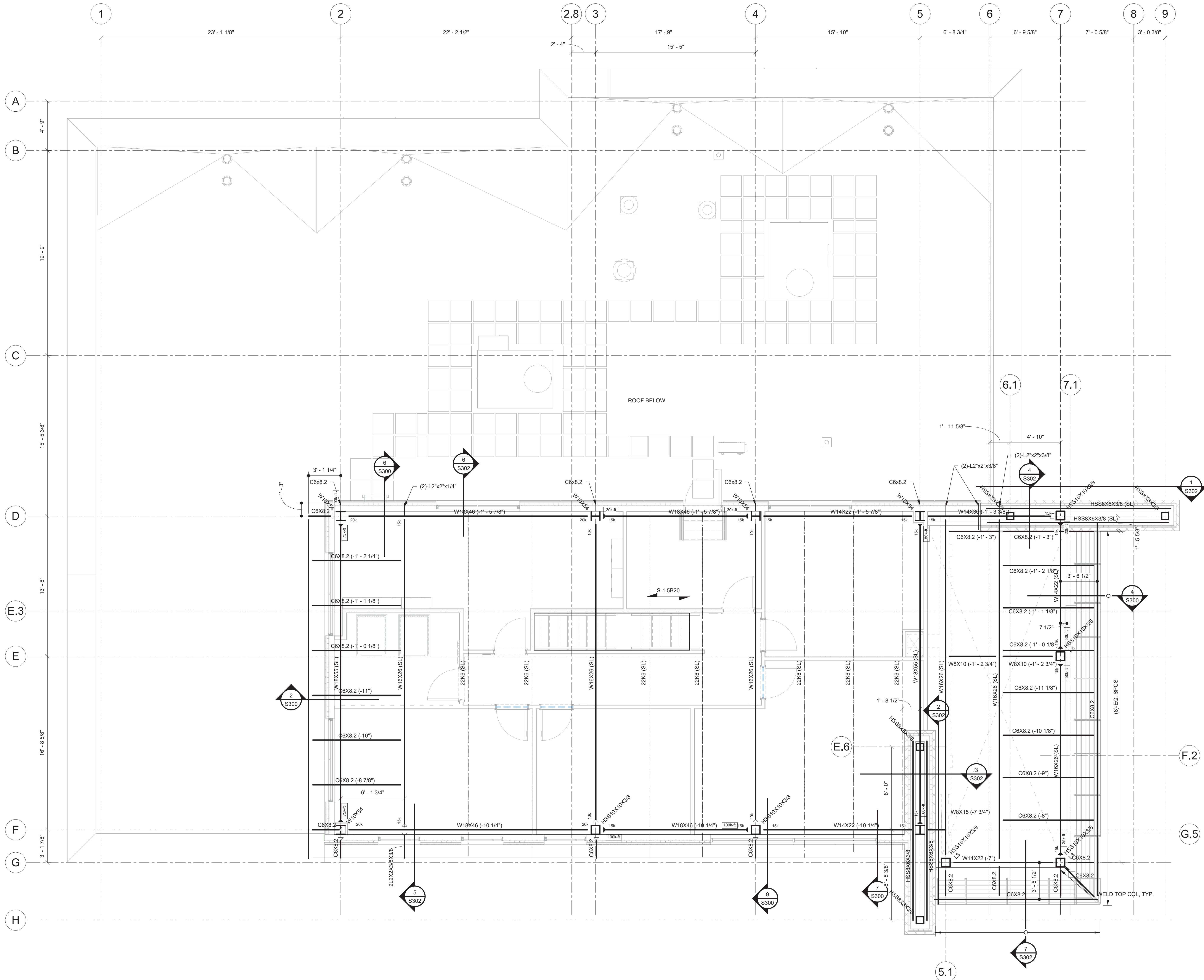
Project: **POLICE STATION**  
TOWN OF MONTGOMERY, ORANGE COUNTY, NEW YORK

Drawing: **LOW ROOF FRAMING**

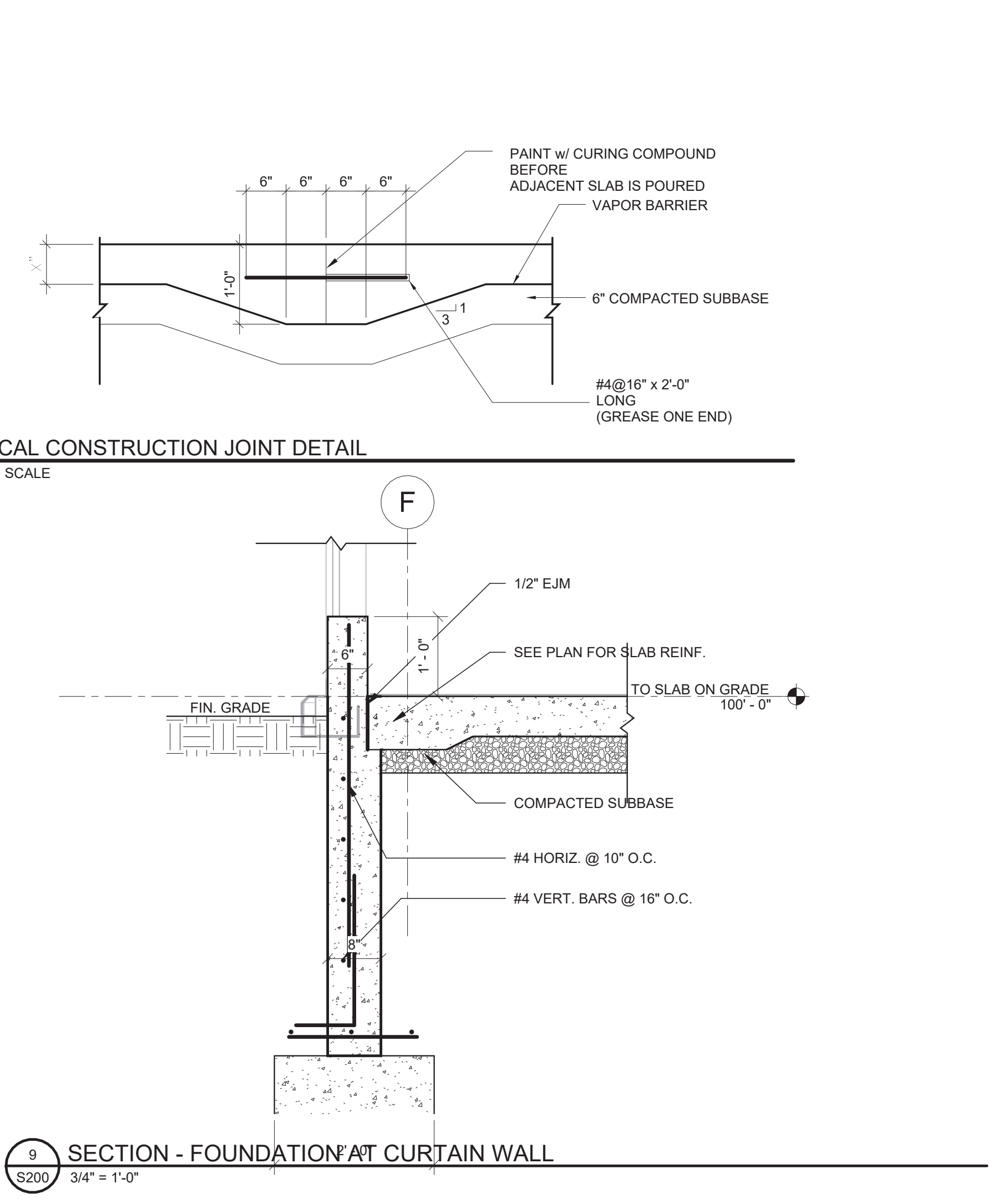
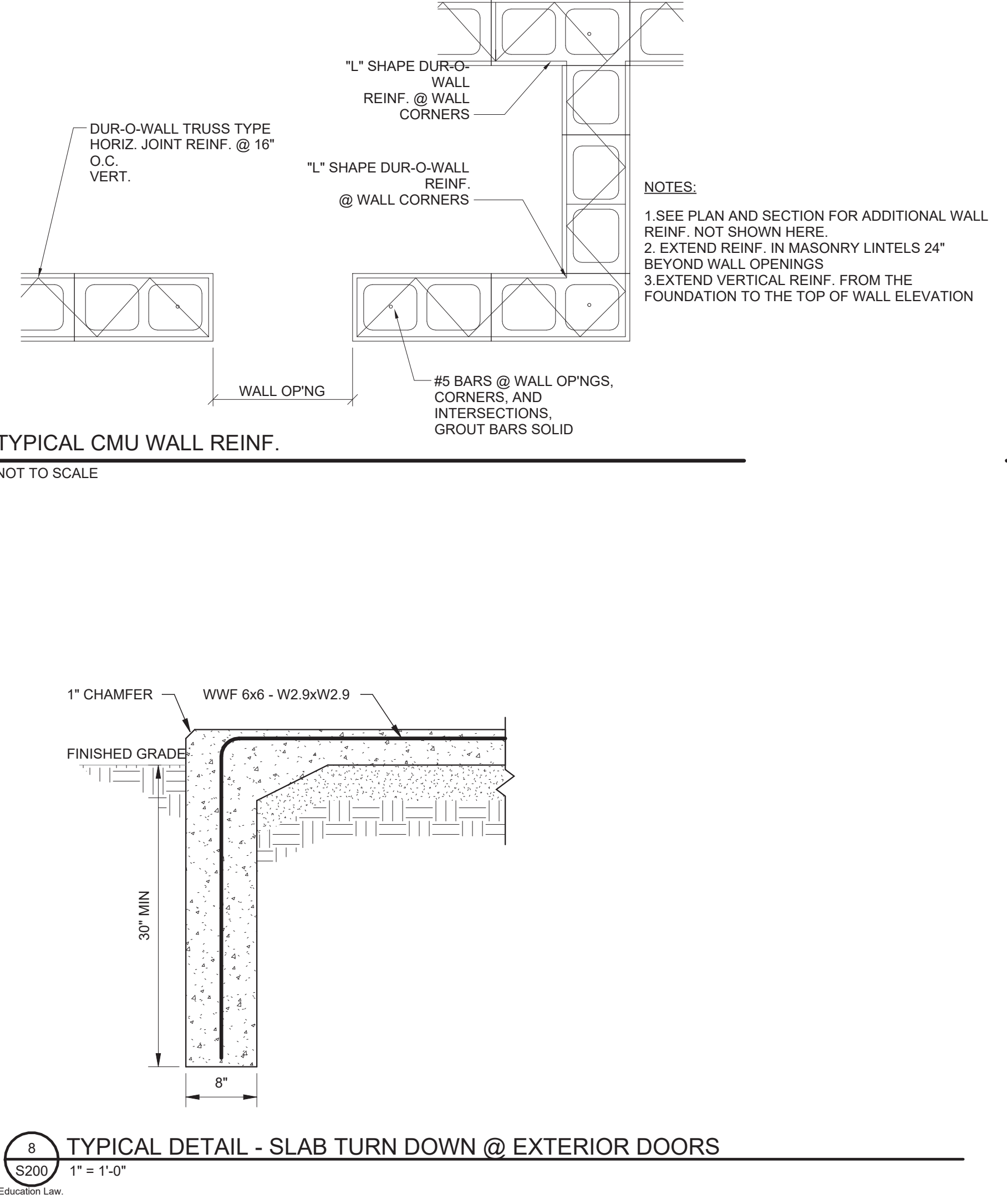
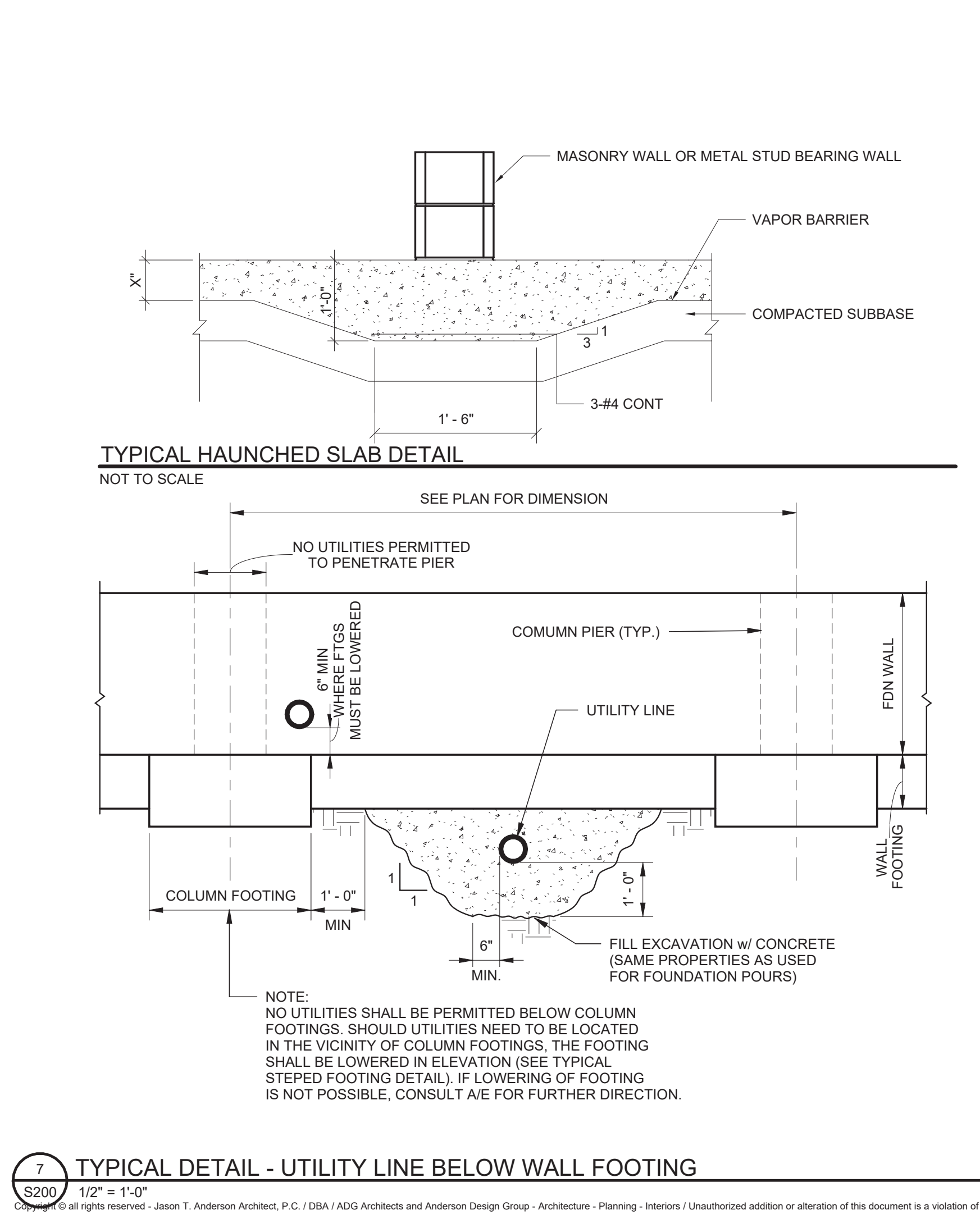
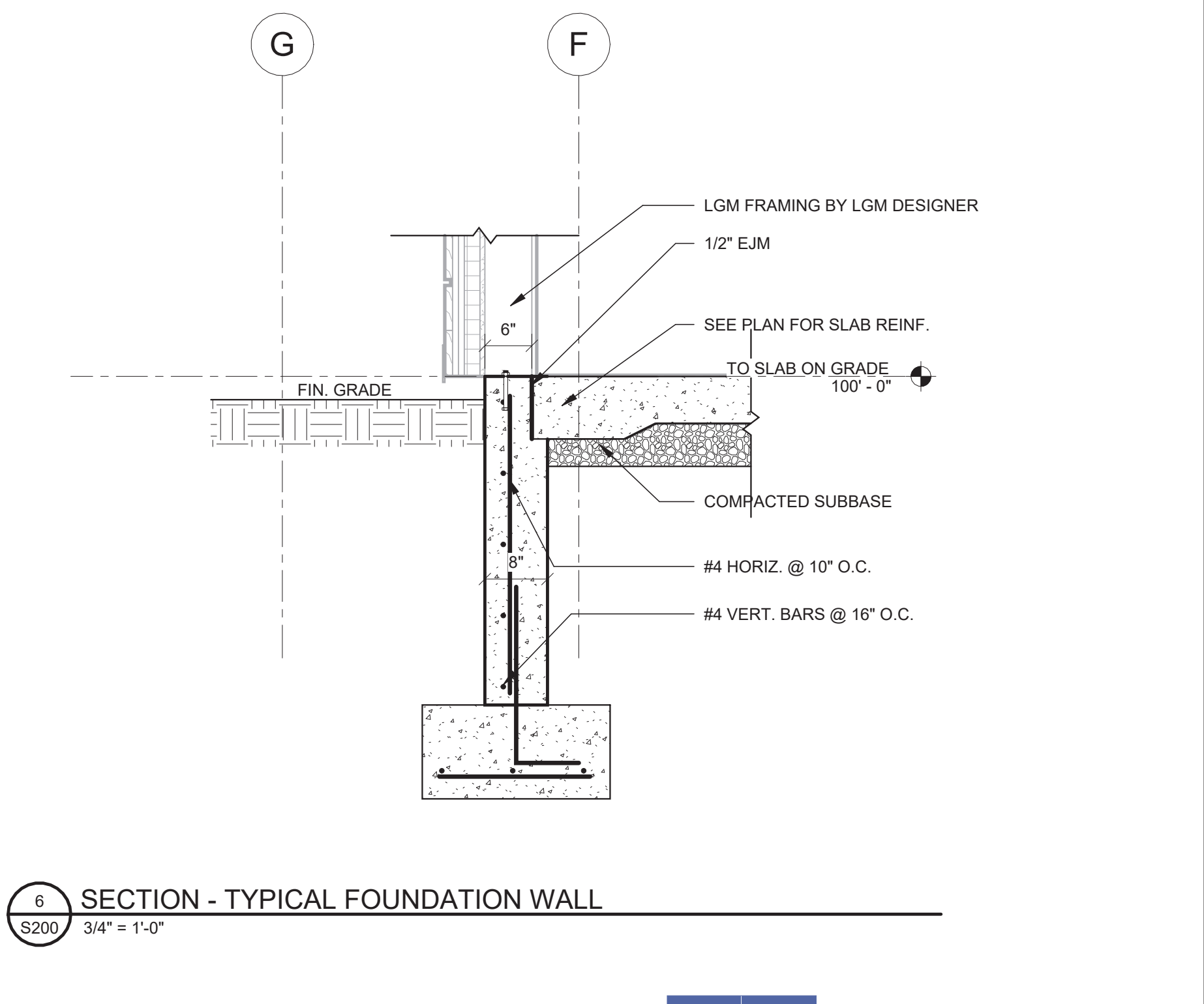
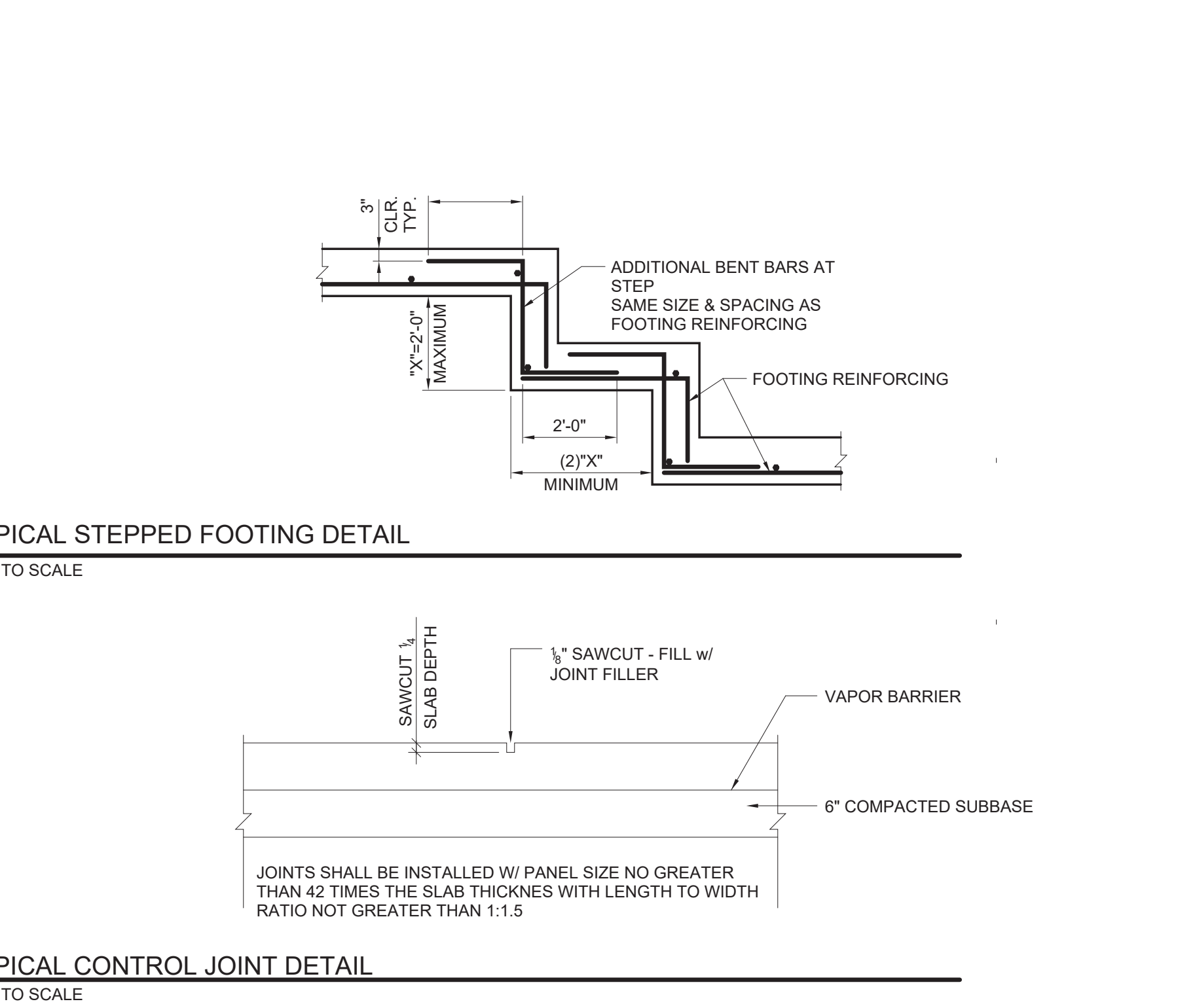
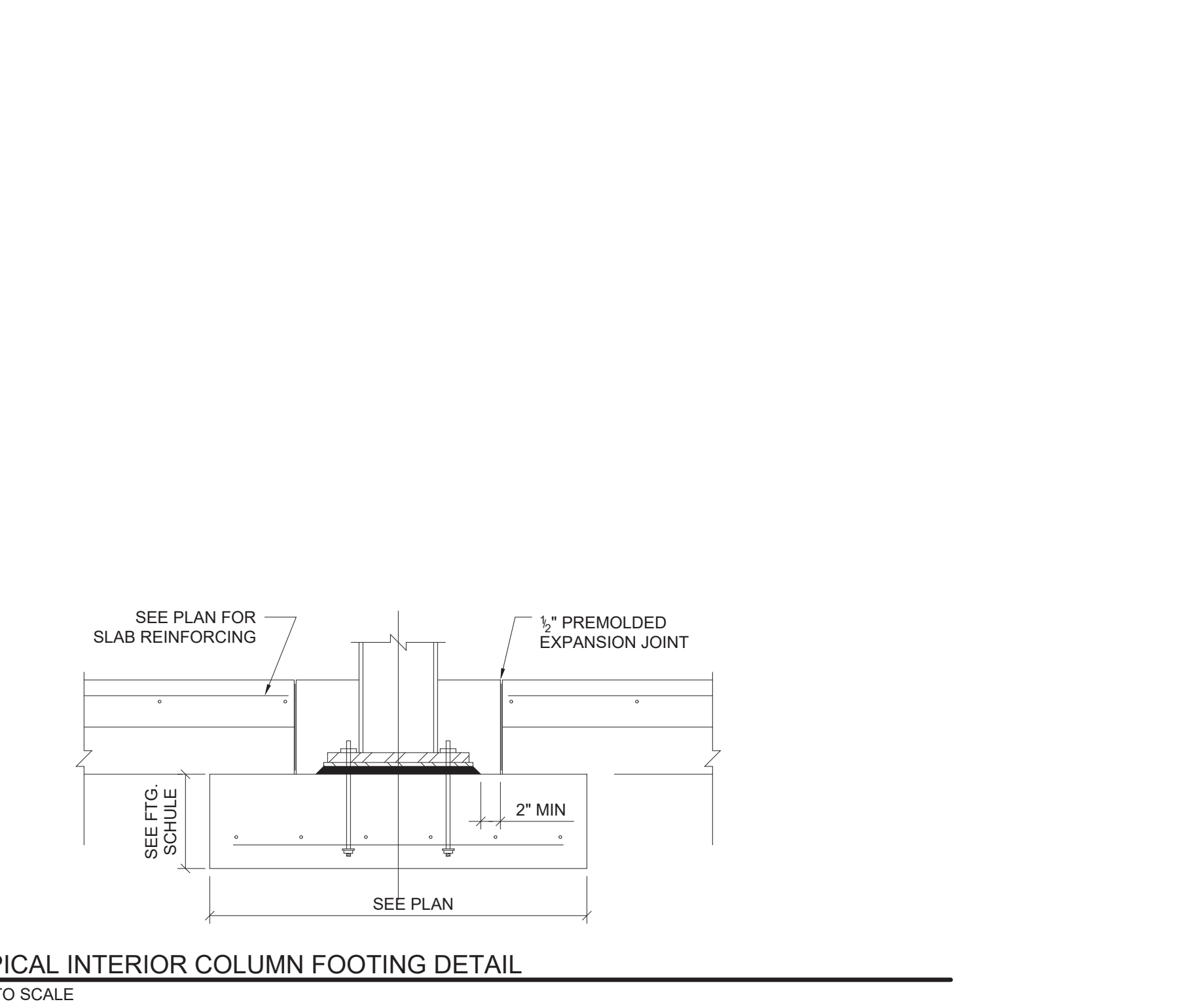
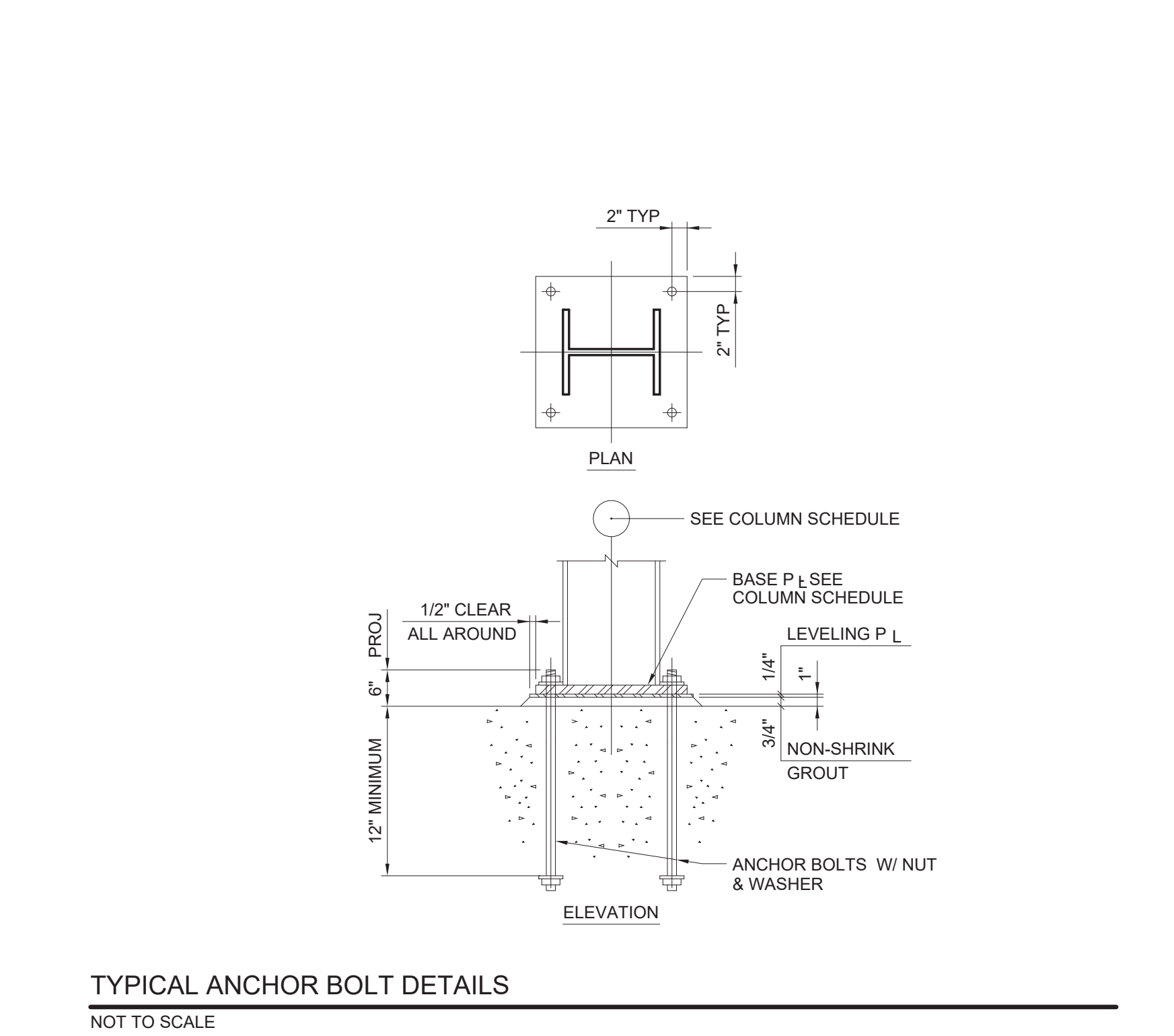
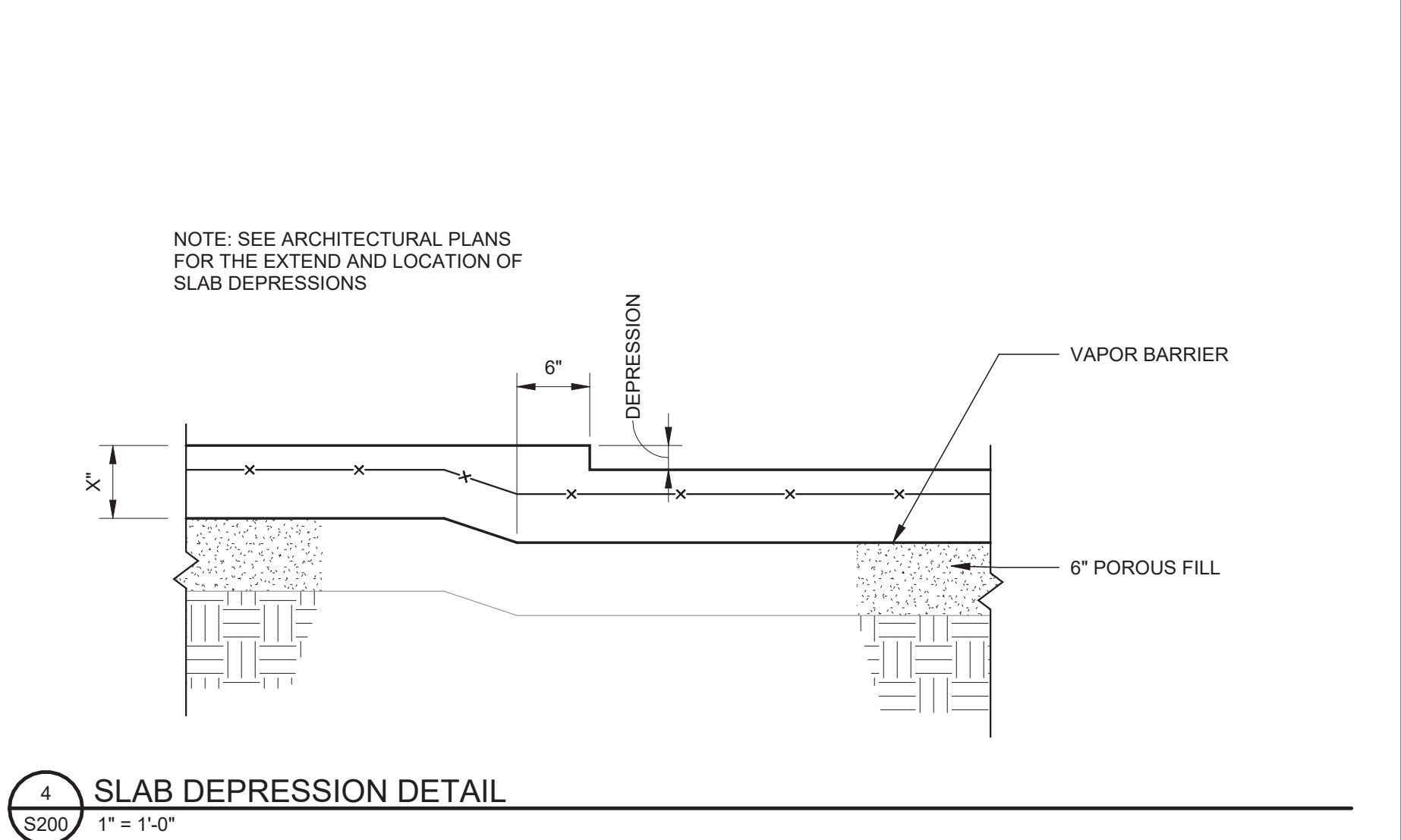
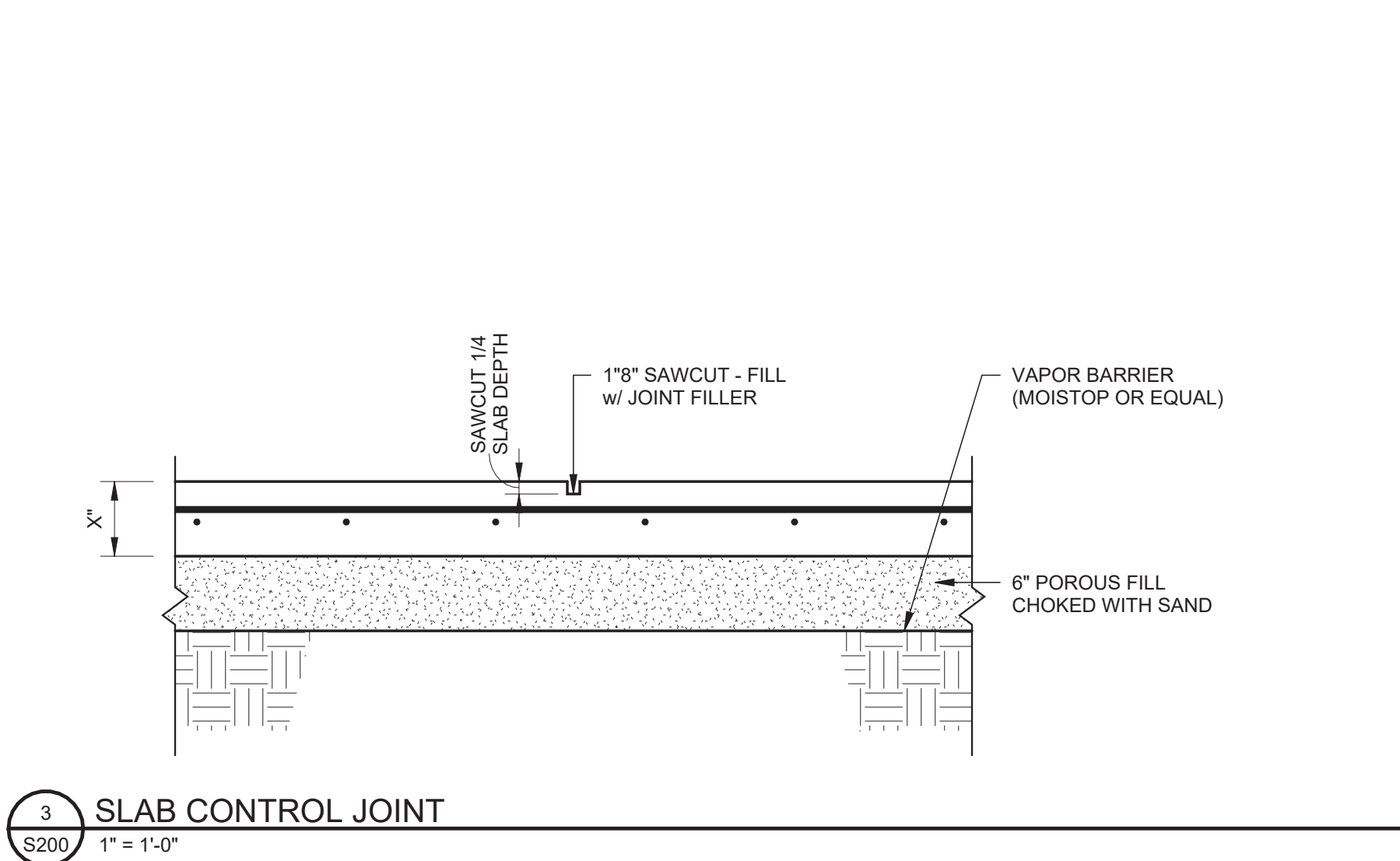
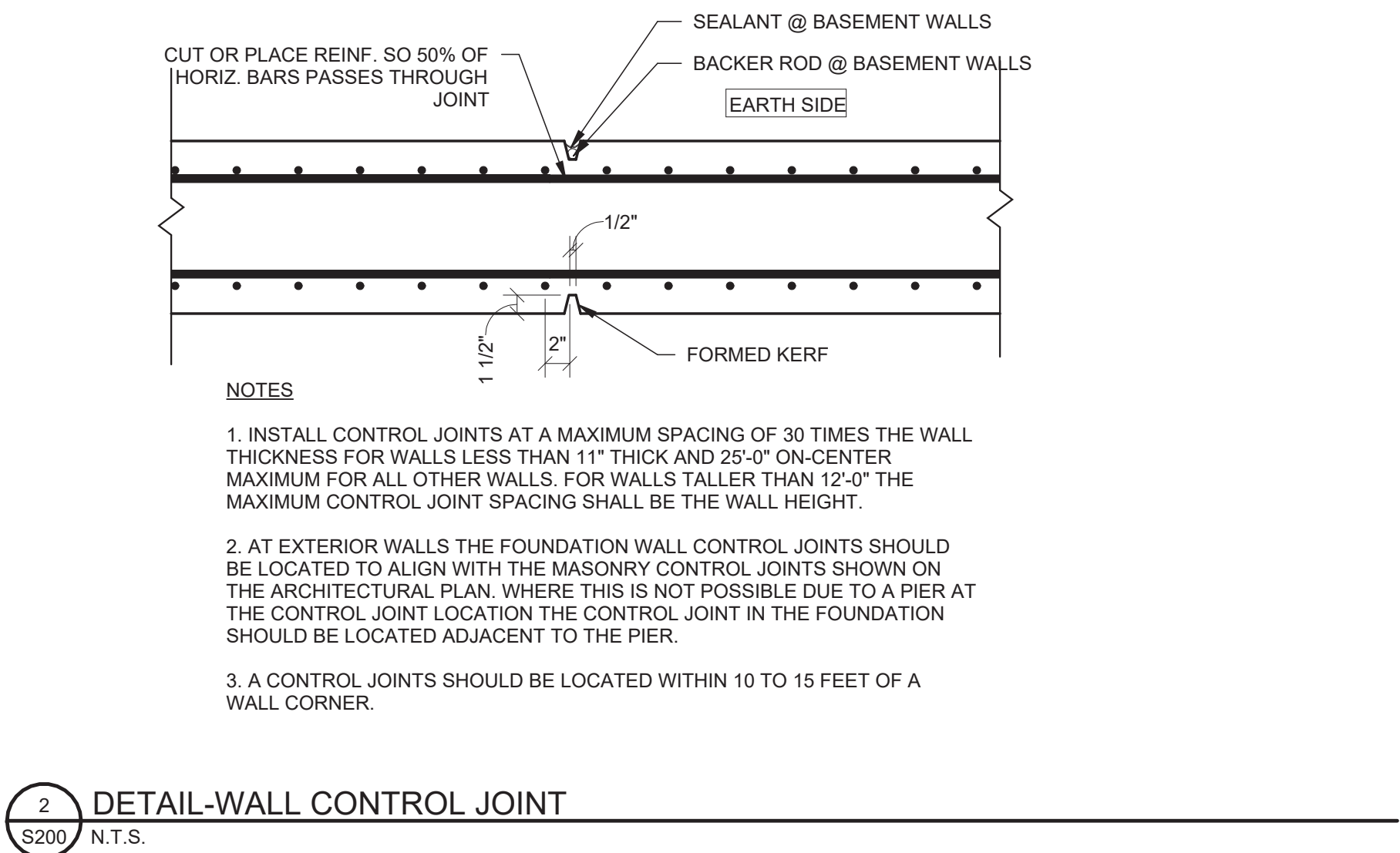
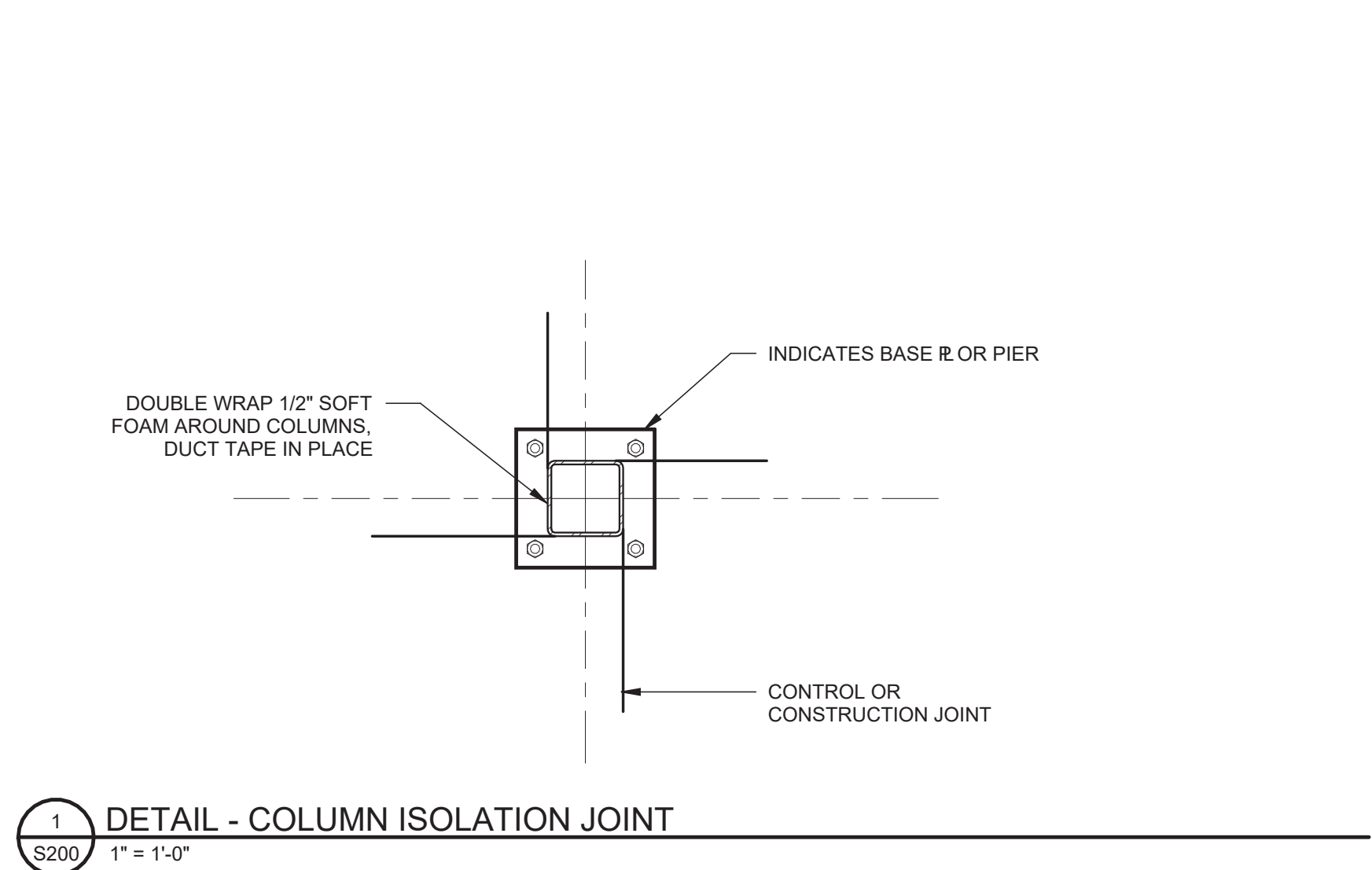
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Drawn: VAG Scale: AS NOTED  
Drawing Number:  
**S101**

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

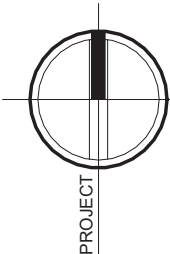






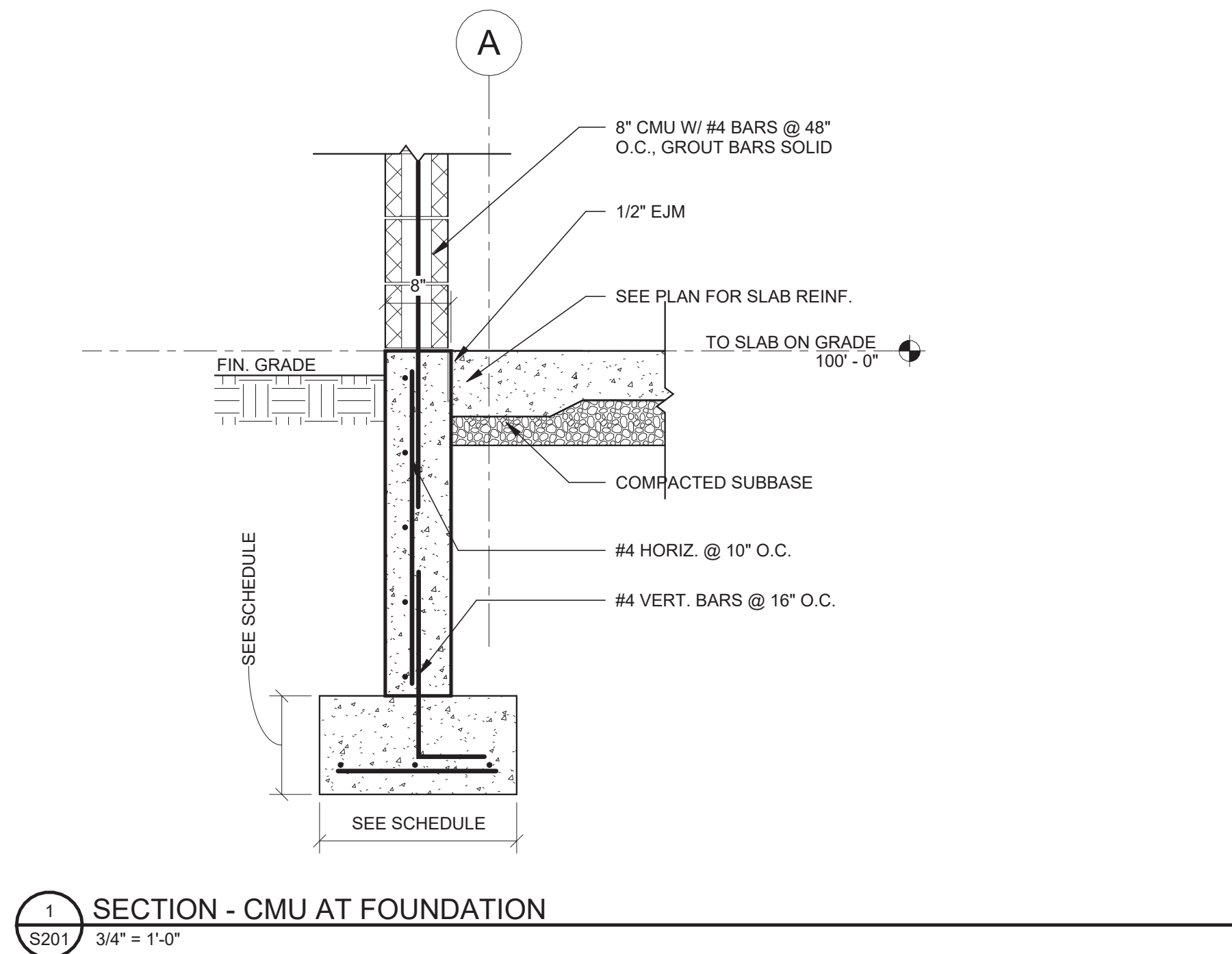




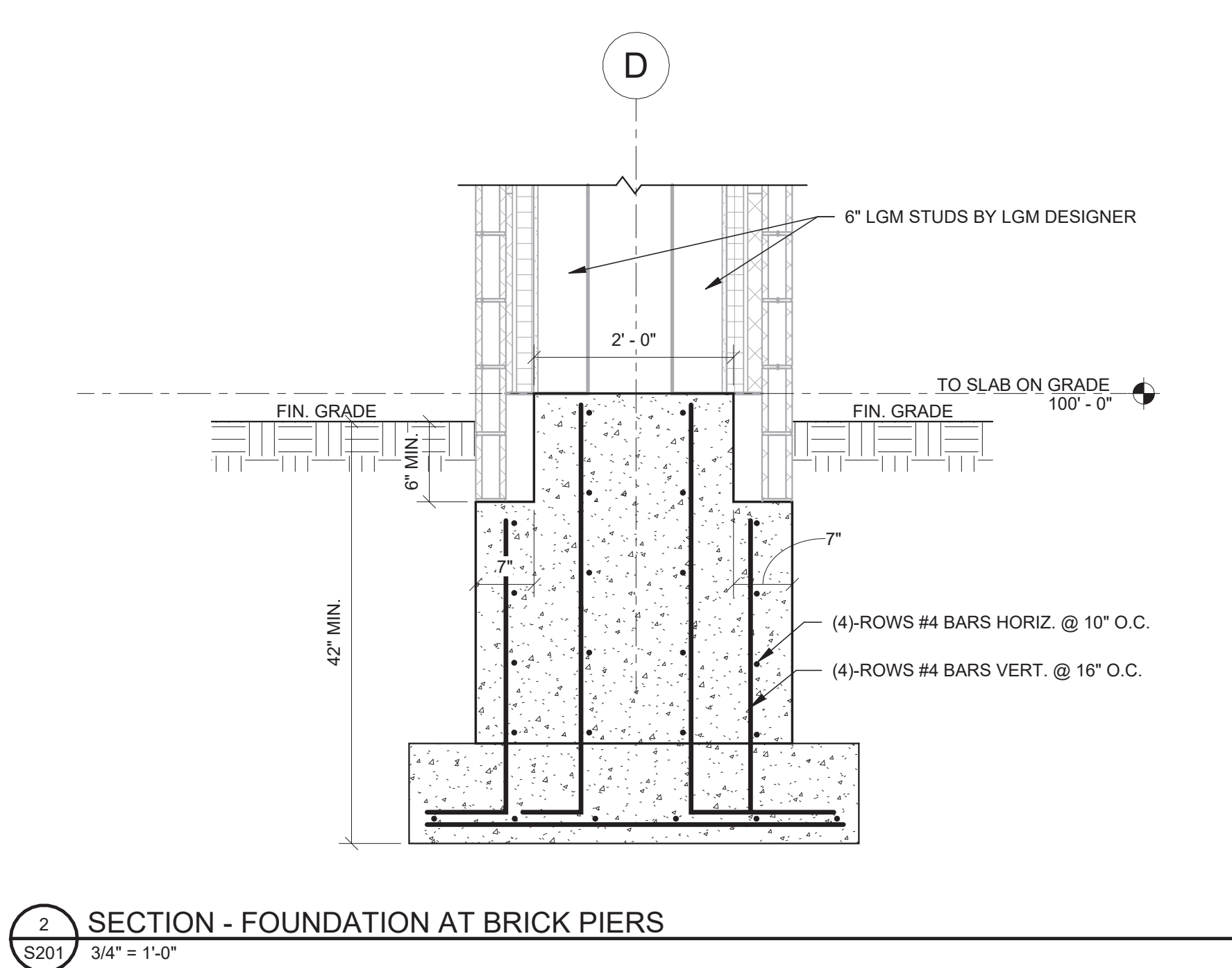
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<div><p>PROJECT</p></div>		<div> WORK AREA</div>
KEY PLAN		
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Drawing: FOUNDATION DETAILS		
	Project: 23321	Date: 2/24/2025
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	Drawing Number: <div>S200</div>	

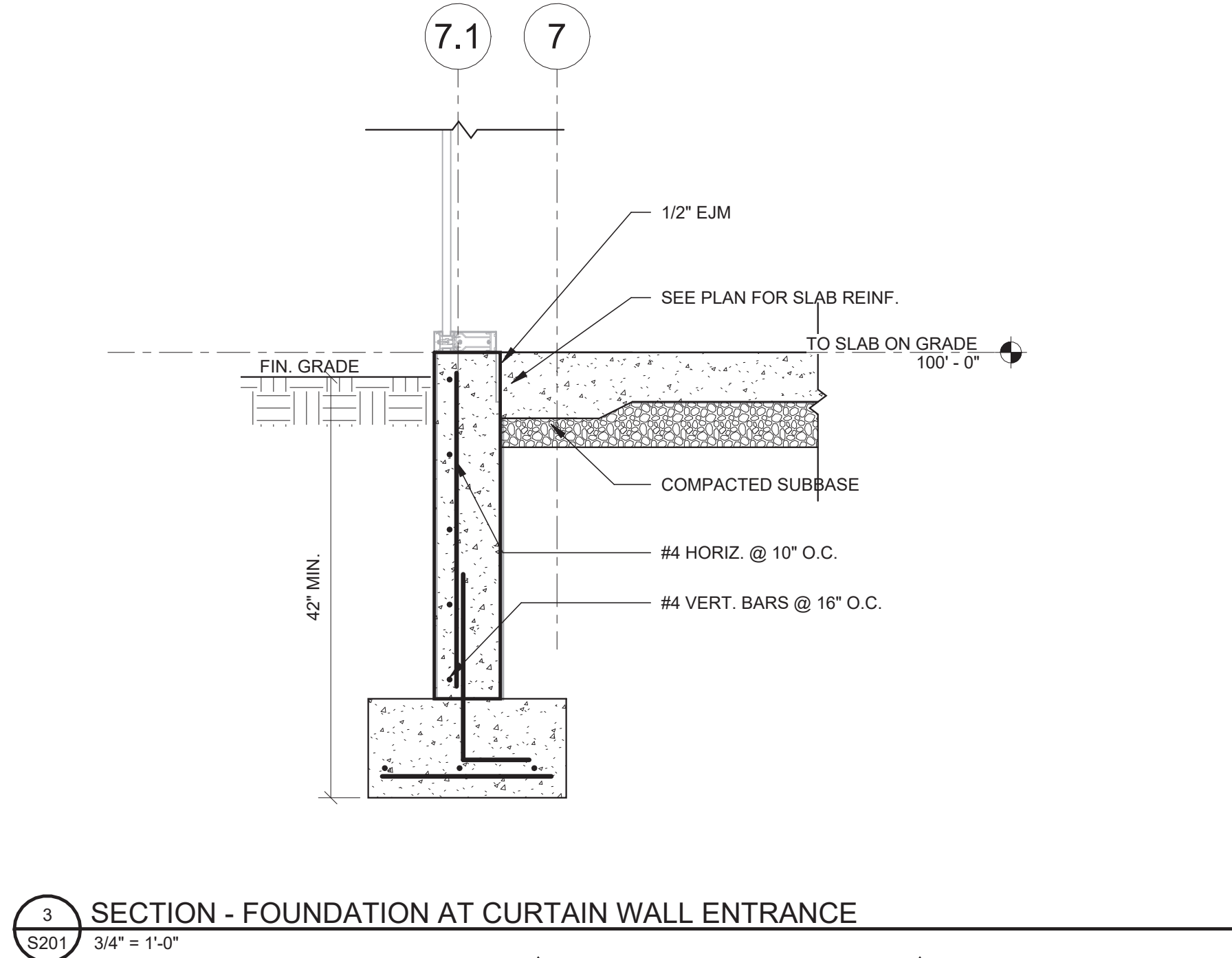




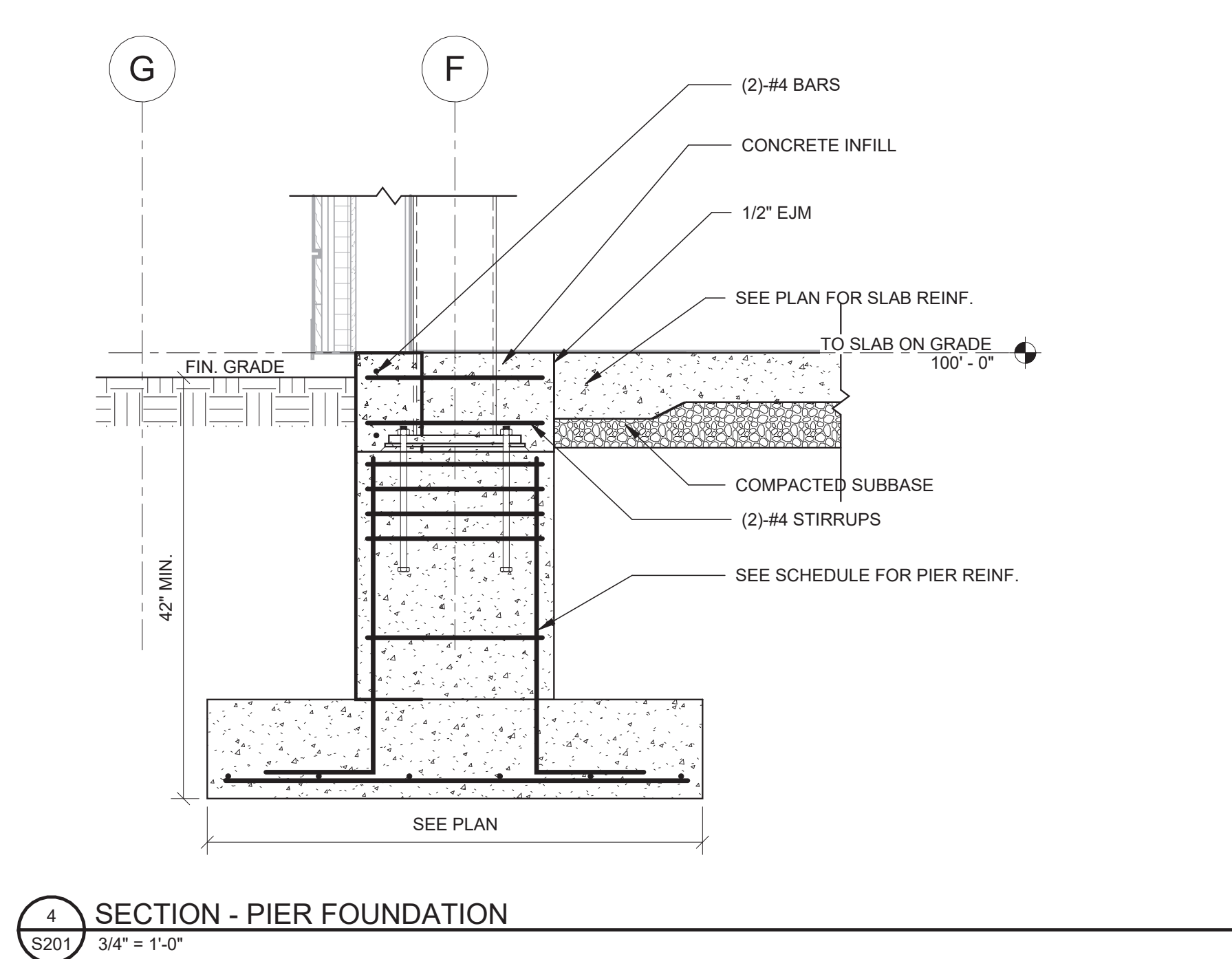
1 SECTION - CMU AT FOUNDATION  
S201 3/4" = 1'-0"



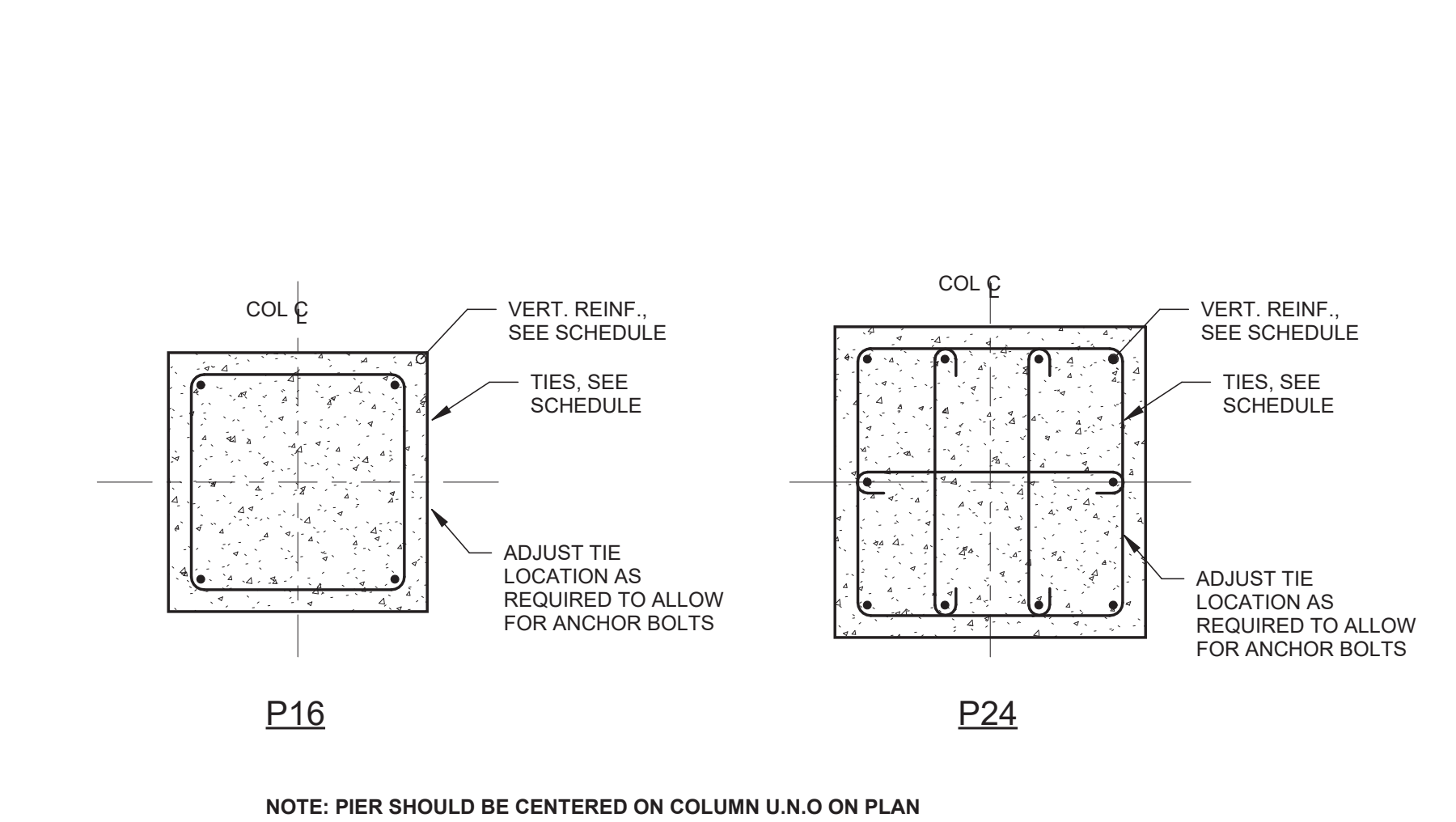
2 SECTION - FOUNDATION AT BRICK PIERS  
S201 3/4" = 1'-0"



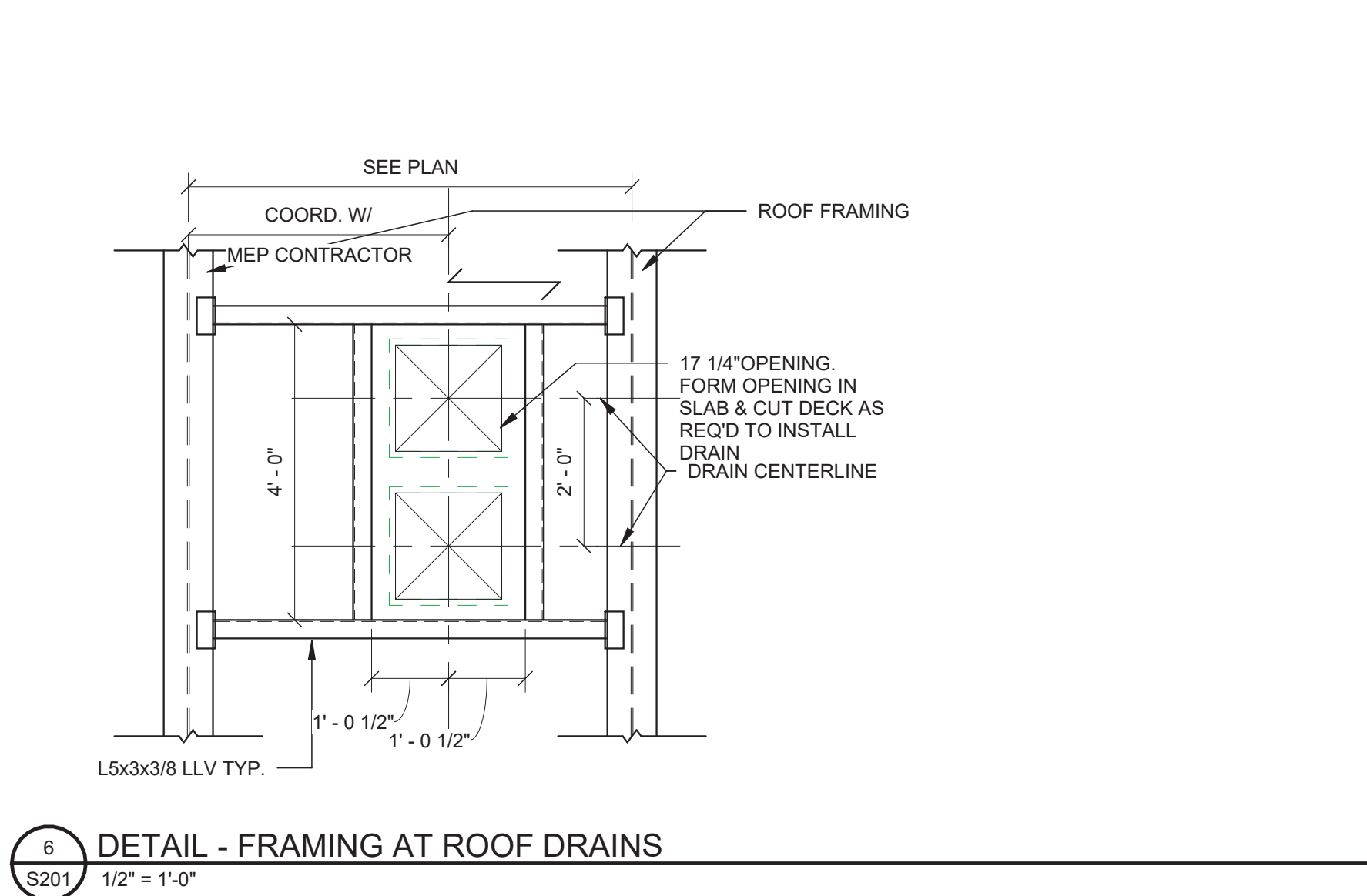
3 SECTION - FOUNDATION AT CURTAIN WALL ENTRANCE  
S201 3/4" = 1'-0"



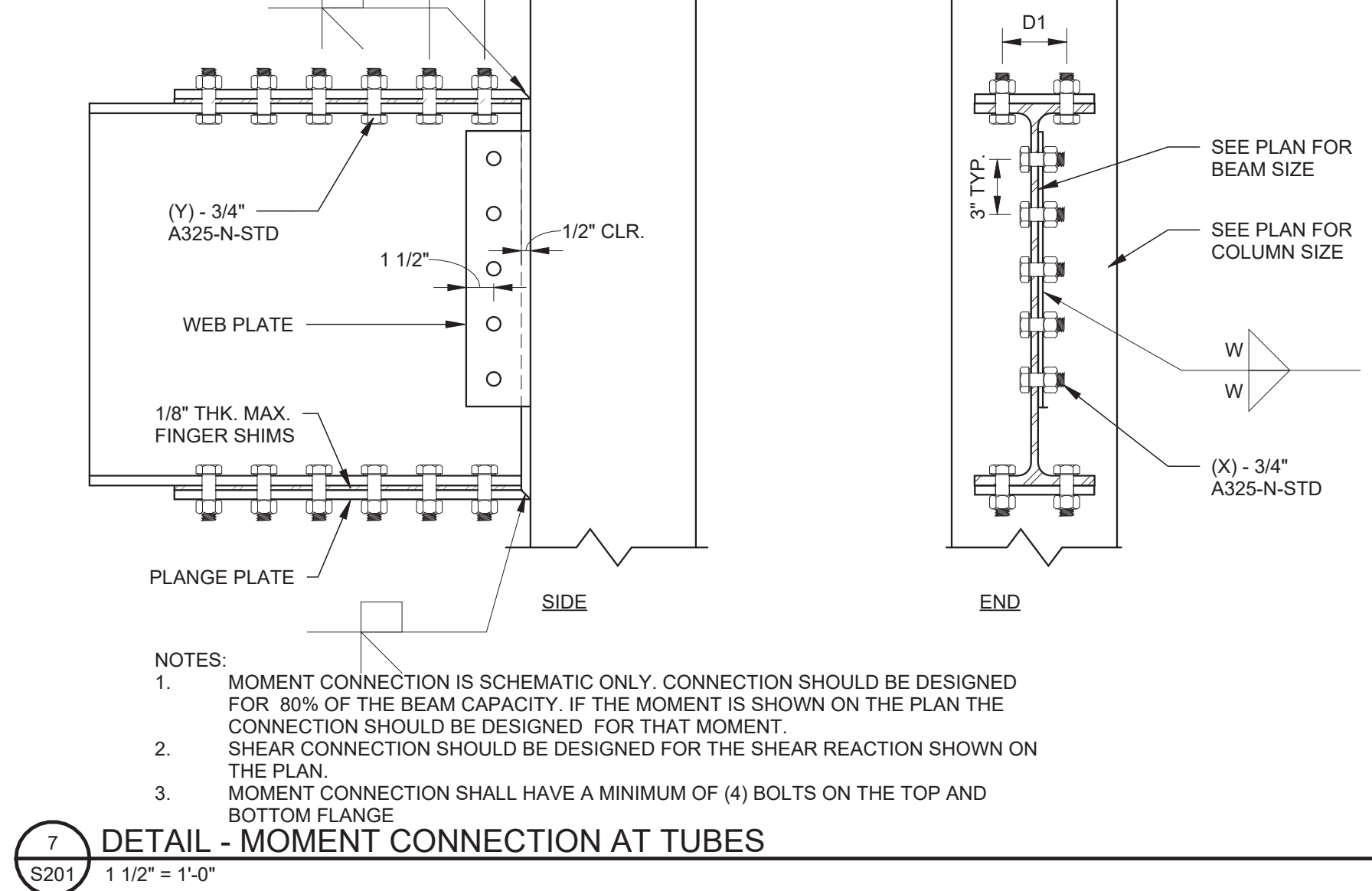
4 SECTION - PIER FOUNDATION  
S201 3/4" = 1'-0"



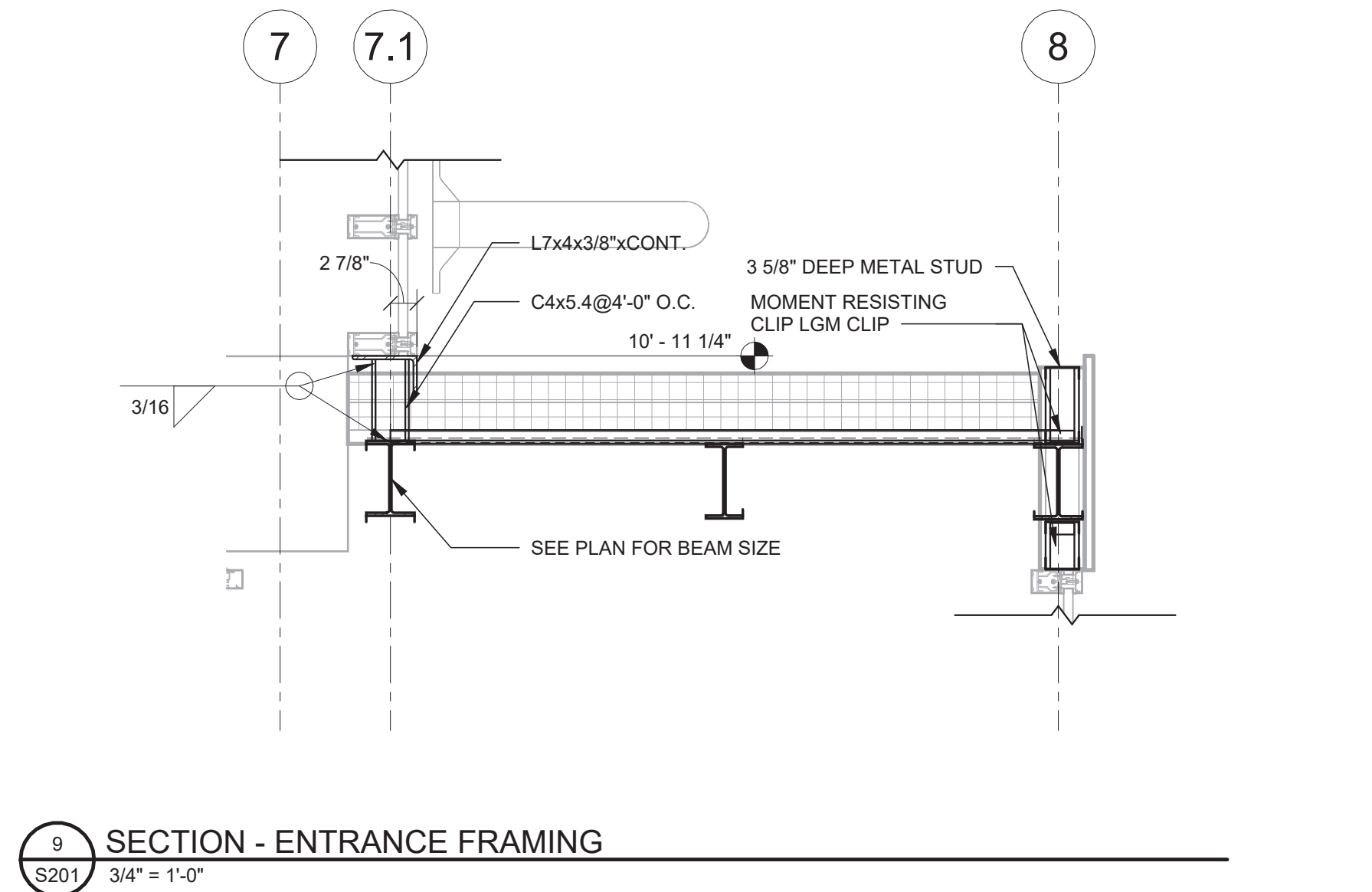
5 DETAILS - PIERS  
S201 N.T.S.



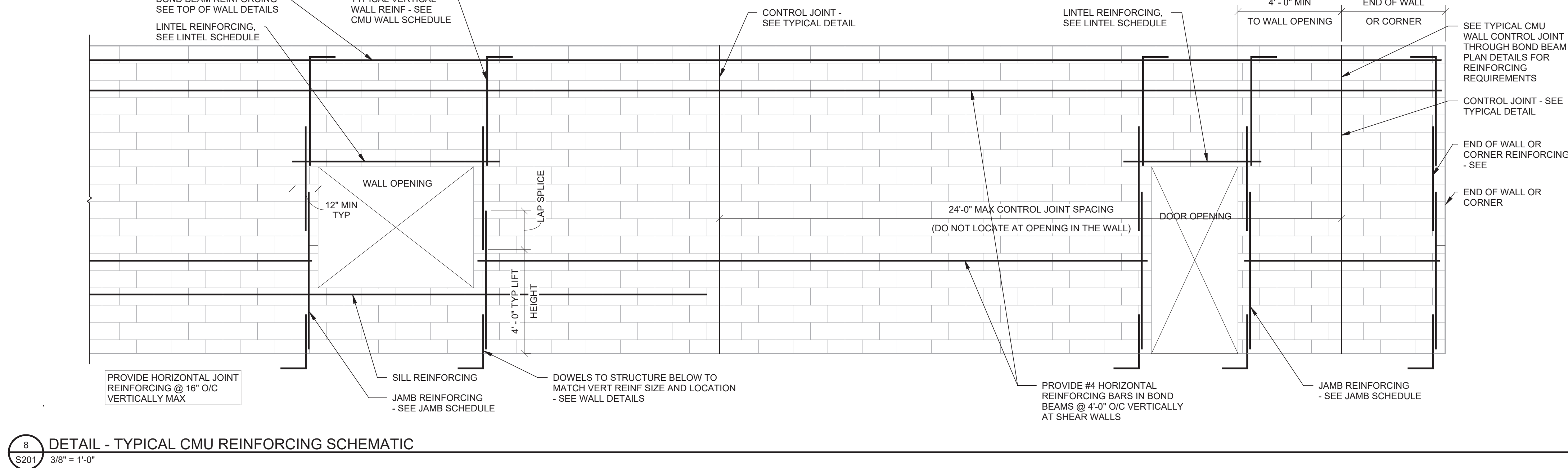
6 DETAIL - FRAMING AT ROOF DRAINS  
S201 1/2" = 1'-0"



7 DETAIL - MOMENT CONNECTION AT TUBES  
S201 1 1/2" = 1'-0"



9 SECTION - ENTRANCE FRAMING  
S201 3/4" = 1'-0"



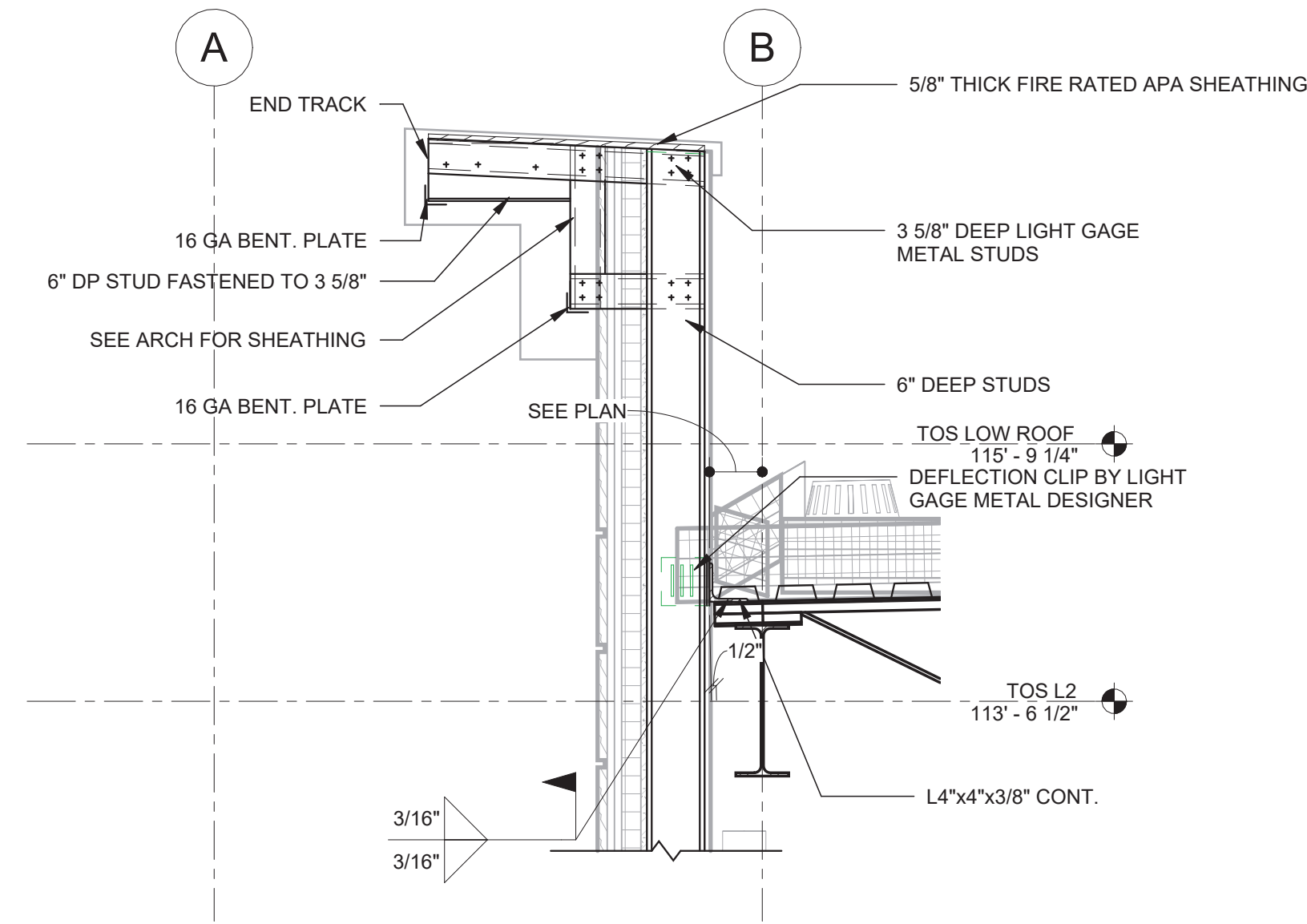
8 DETAIL - TYPICAL CMU REINFORCING SCHEMATIC  
S201 3/8" = 1'-0"

- NOTES:
- JAMB AND END OF WALL REINFORCING SHALL BE FULL HEIGHT OF WALL AND SHALL BE IN ADDITION TO TYPICAL VERTICAL WALL REINFORCING.
  - PROVIDE CONTROL JOINTS TO MEET SPACING REQUIREMENTS SHOWN, AND AT LOCATIONS WHERE CHANGES IN WALL HEIGHT OCCUR.
  - WHERE CHANGES IN WALL THICKNESS OCCUR, AND WHERE MOVEMENT JOINTS IN THE FLOOR ABOVE AND/OR BELOW OCCUR.
  - SEE ARCHITECTURAL DRAWINGS FOR CONTROL JOINT LOCATIONS AT NON-LOAD BEARING WALLS NOT SHOWN ON STRUCTURAL DRAWINGS.
  - SEE ARCHITECTURAL DRAWINGS FOR WALL OPENINGS NOT SHOWN ON STRUCTURAL DRAWINGS.
  - PROVIDE CLEANOUT AT BOTTOM COURSE FOR GROUT POURS GREATER THAN 5'-0" HIGH.
  - SILL REINFORCING SHALL BE LADDER JOINT REINFORCING IN THE FIRST OR SECOND MORTAR JOINT BELOW THE SILL OR A REINFORCED BOND BEAM. SILL REINFORCING SHALL EXTEND BETWEEN CONTROL JOINTS.
  - SEE NON-LOAD BEARING INTERIOR CMU WALL REINFORCING SCHEDULE FOR LINTEL AND JAMB REINFORCING REQUIRED AT NON-LOAD BEARING WALLS.

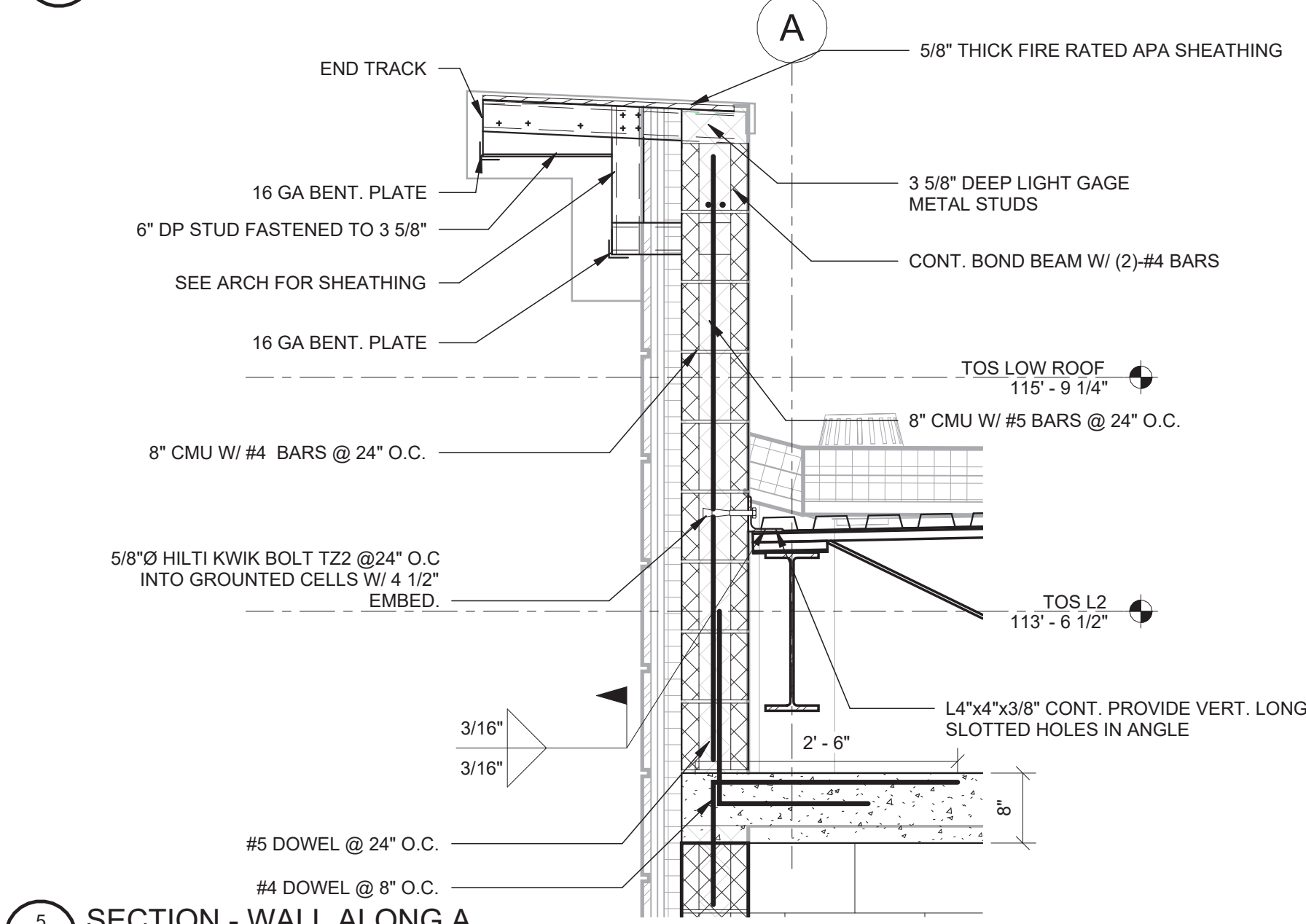
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<div><div></div><div>KEY PLAN</div></div>		
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<div><div></div><div>Project: 23321 Date: 2/24/2025 Drawn: Author Scale: AS NOTED Drawing Number: <b>S201</b></div></div>		

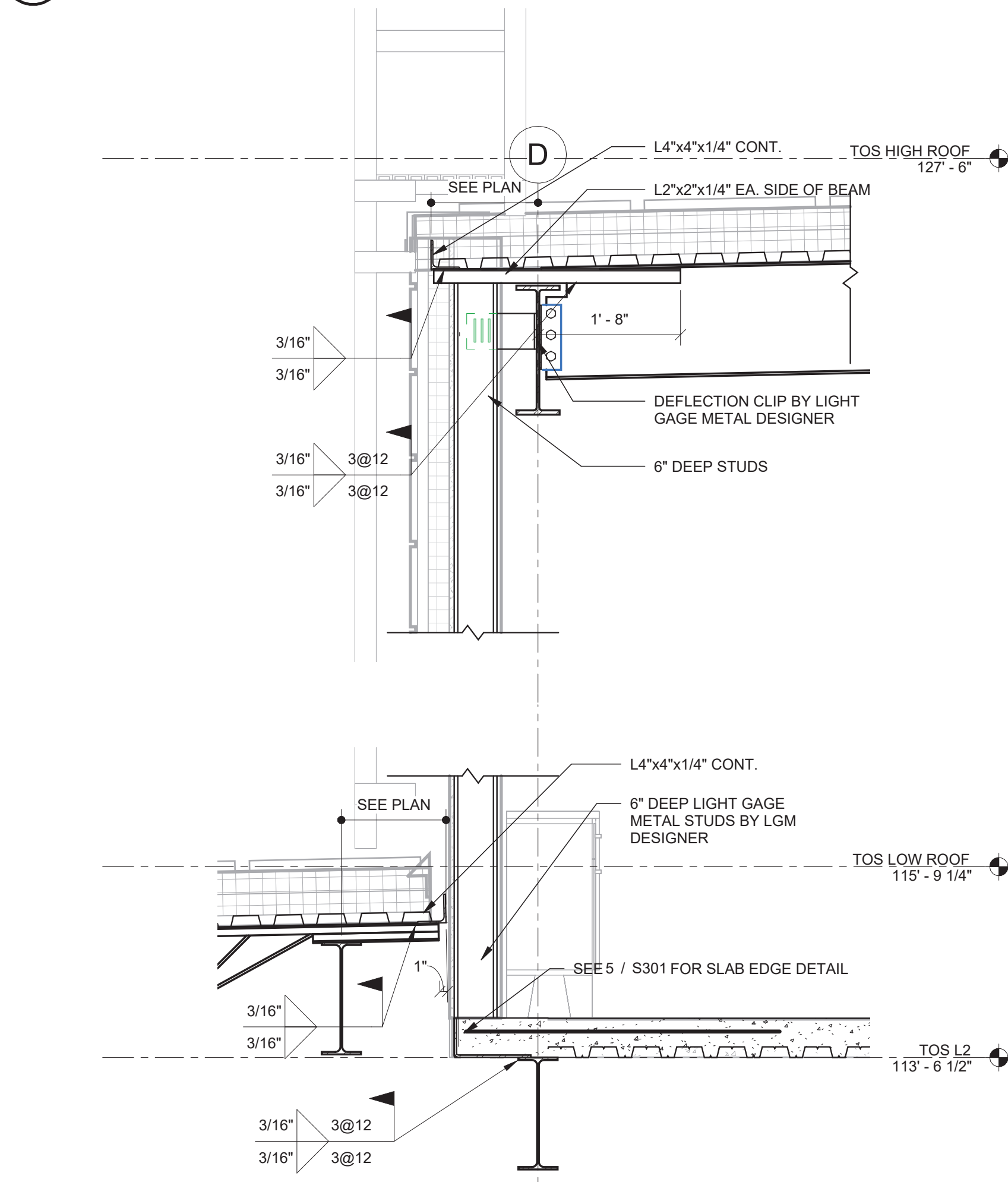




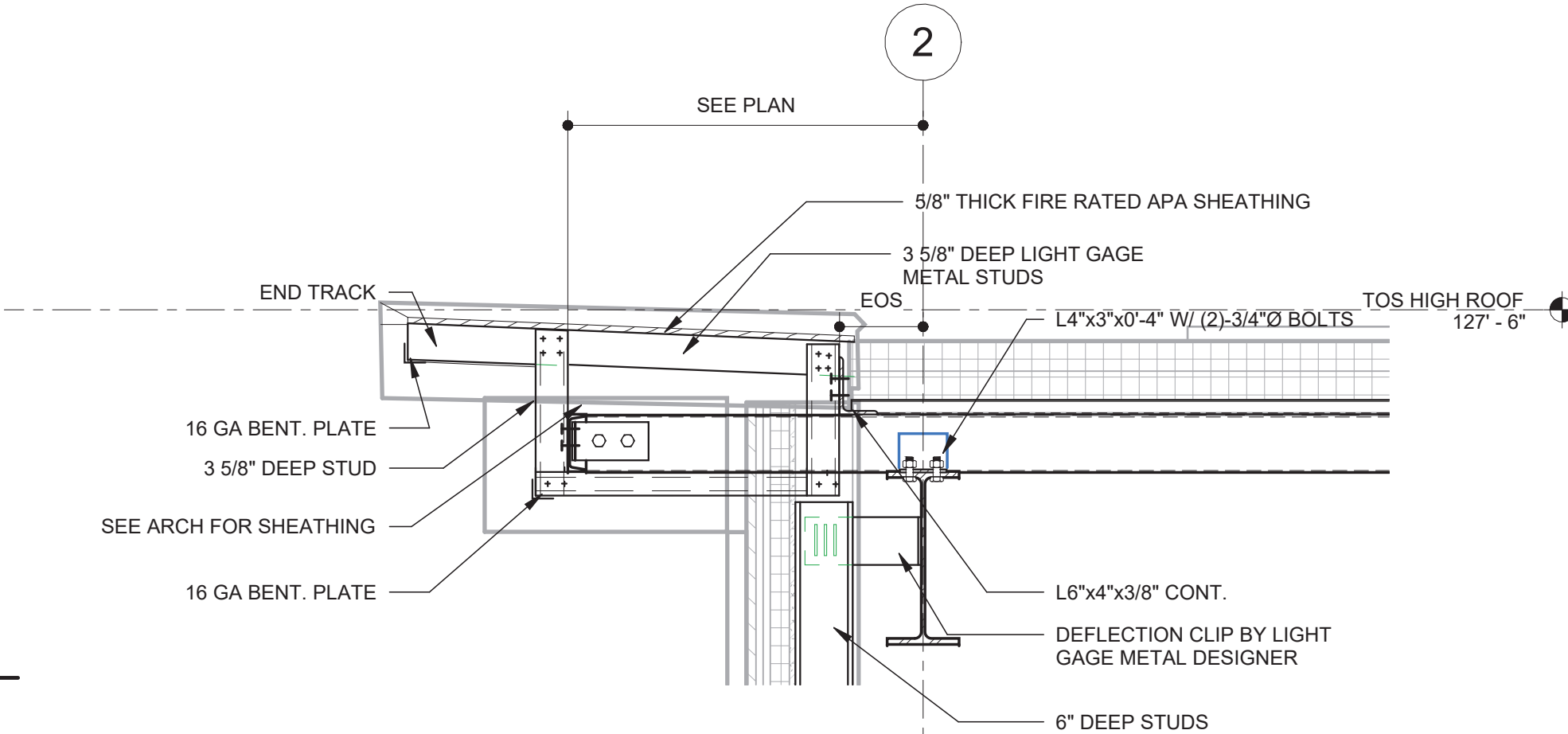
1 SECTION - EXTERIOR WALL  
S300 3/4" = 1'-0"



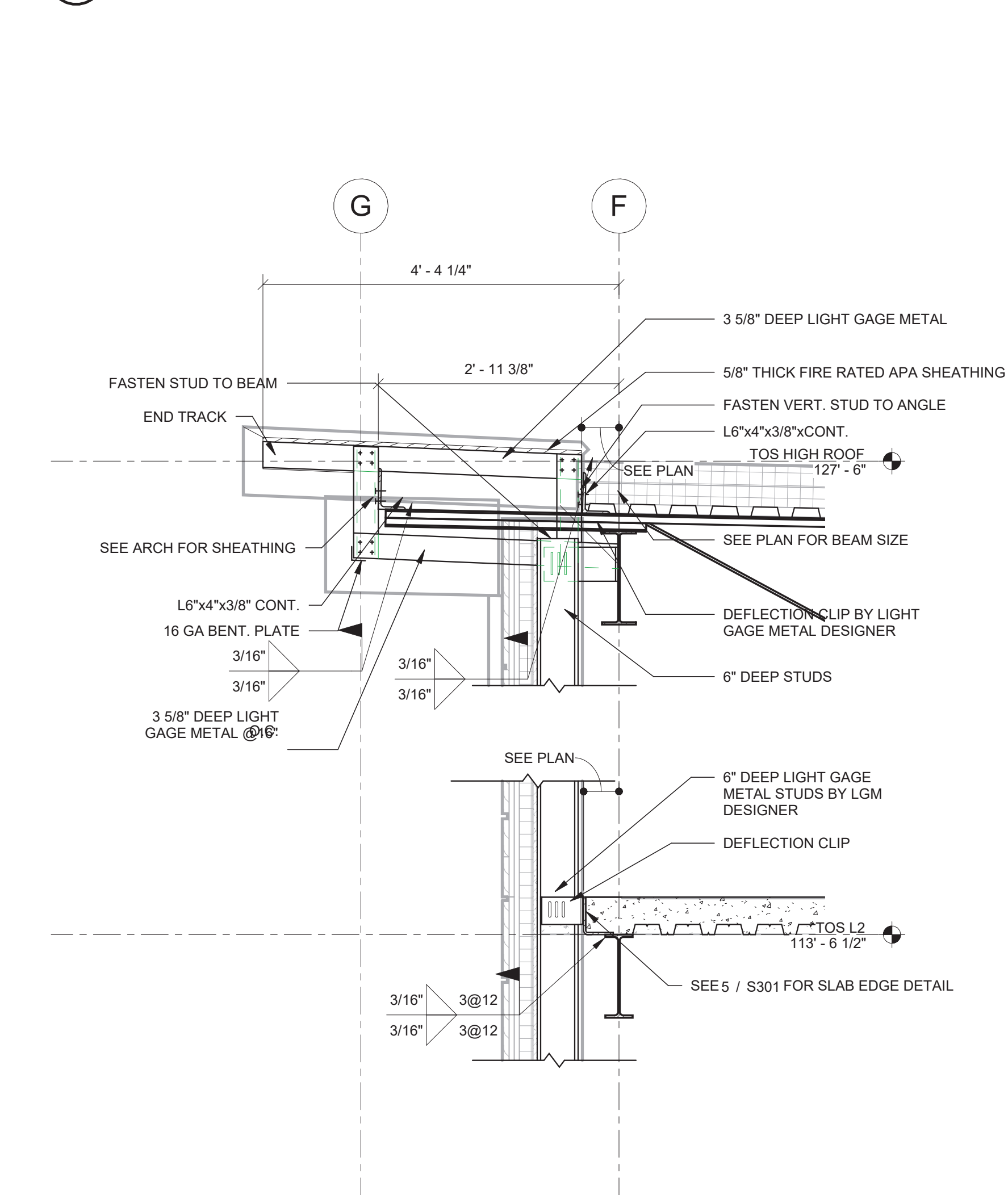
5 SECTION - WALL ALONG A  
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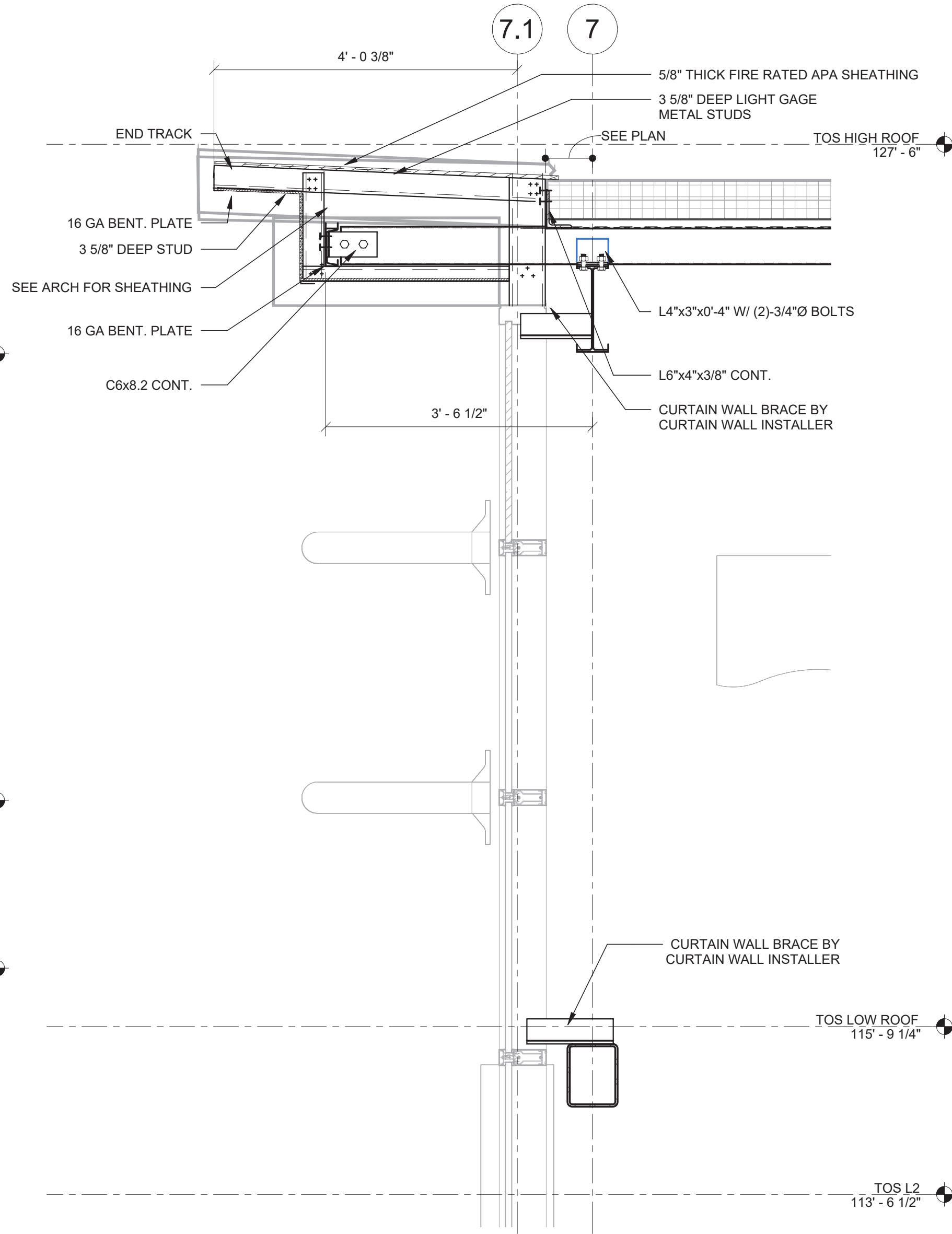
6 SECTION - WALL ALONG D  
S300 3/4" = 1'-0"



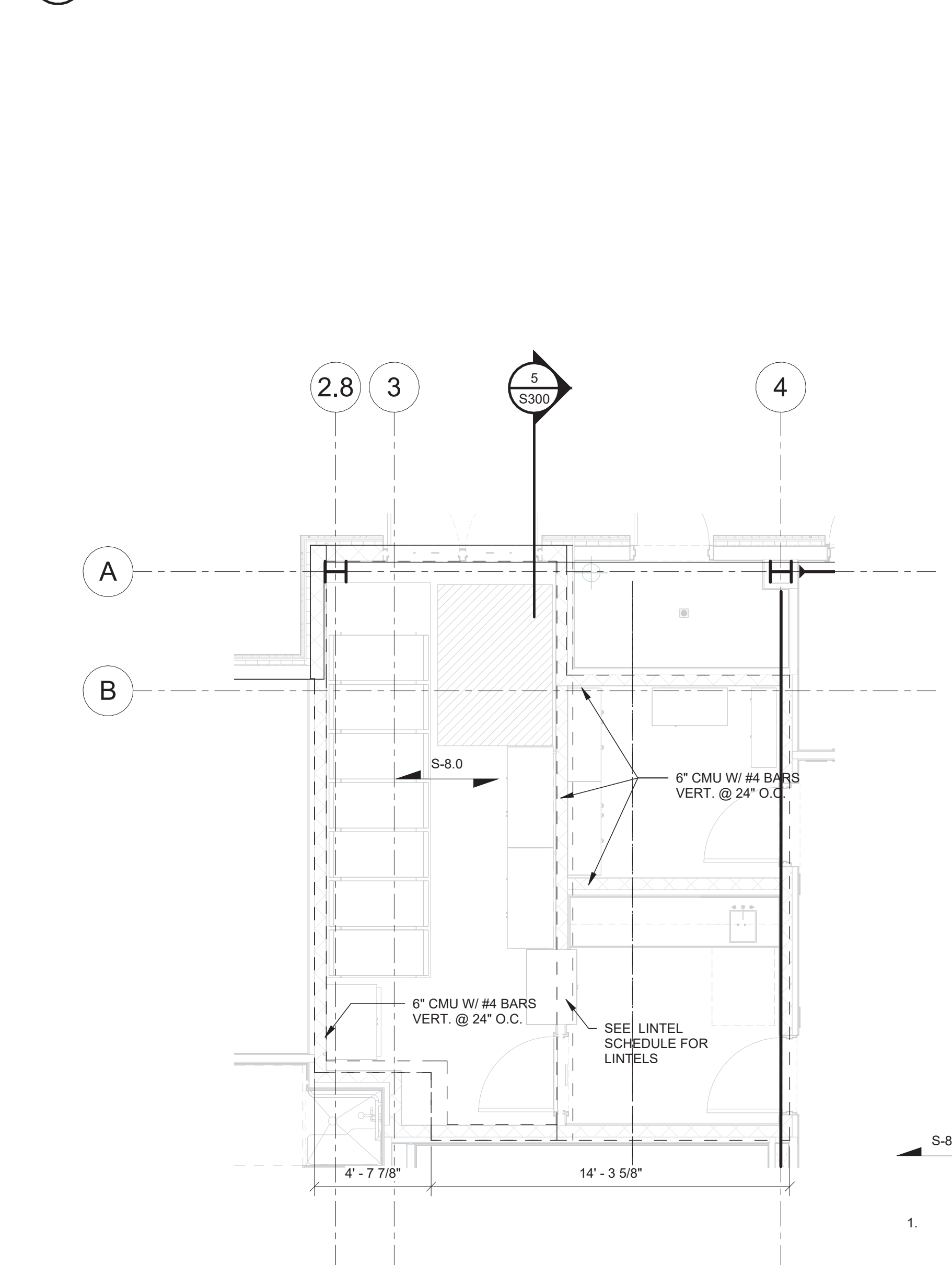
2 SECTION - WALL ALONG 2  
S300 3/4" = 1'-0"



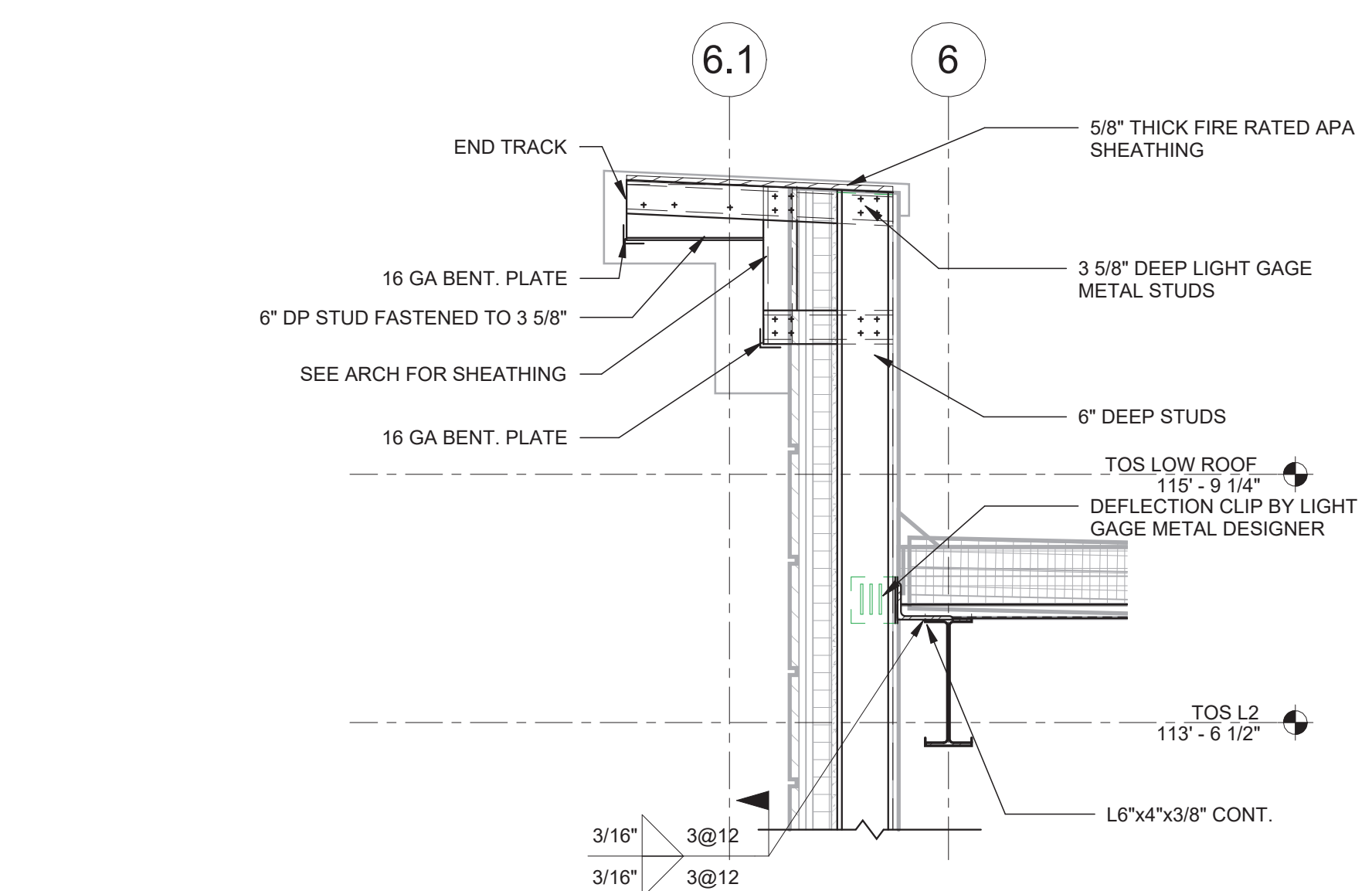
7 SECTION - WALL ALONG F  
S300 3/4" = 1'-0"



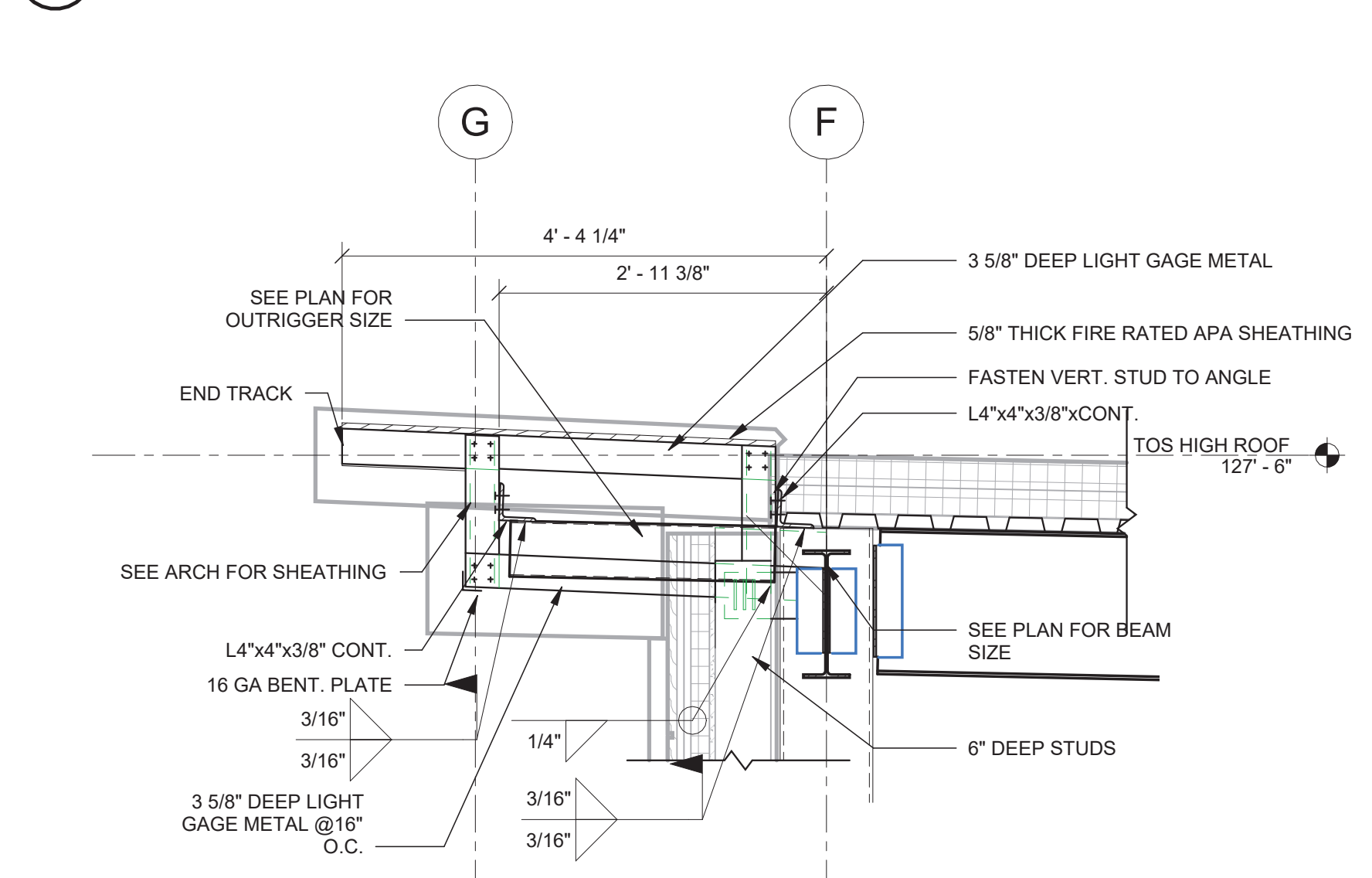
4 SECTION - WALL ALONG 7  
S300 3/4" = 1'-0"



8 PLAN - VAULT FRAMING  
S300 1/4" = 1'-0"



3 SECTION - WALL ALONG 6  
S300 3/4" = 1'-0"



9 SECTION - CANTILEVER AT COLUMN  
S300 3/4" = 1'-0"

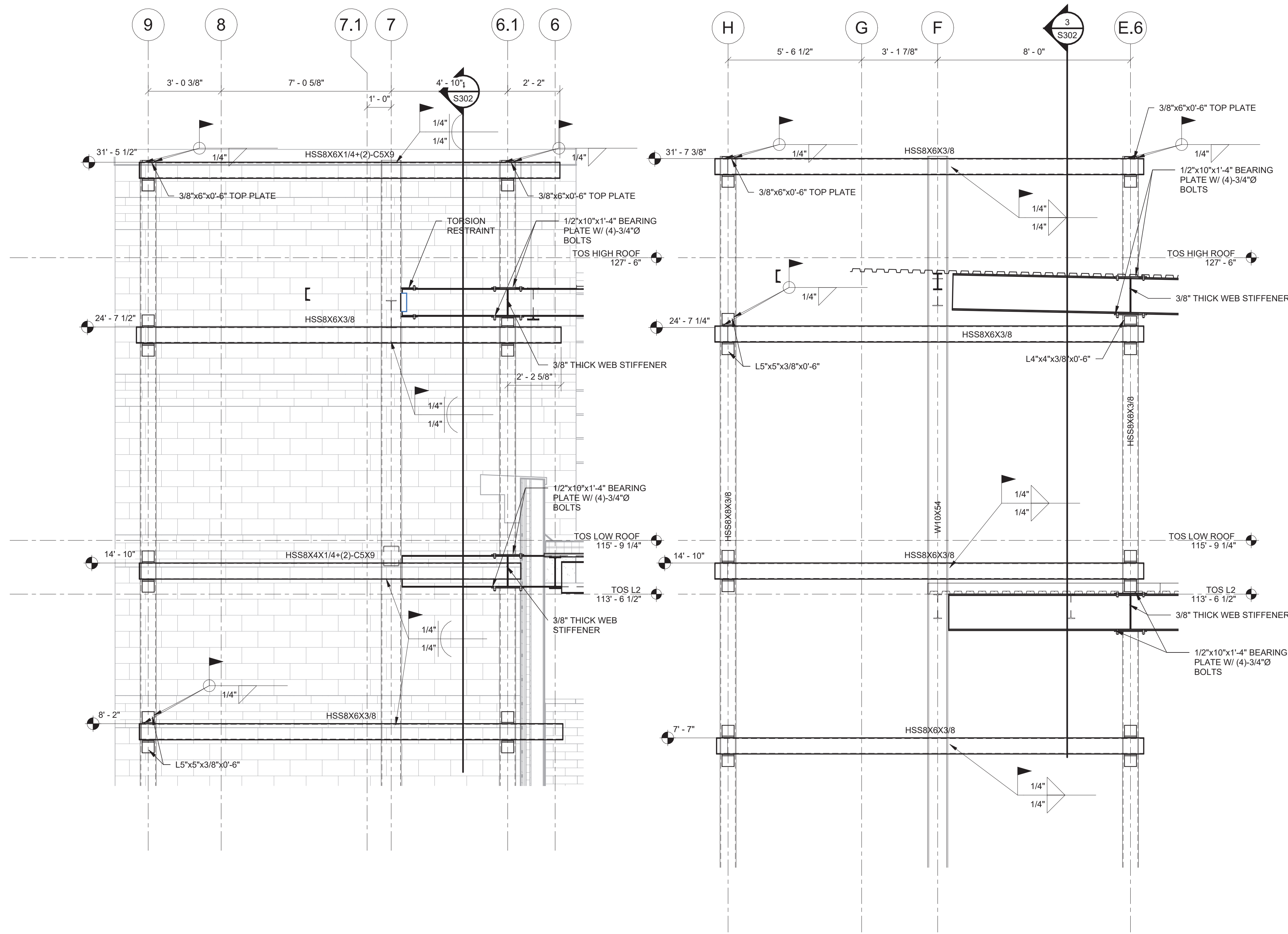
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<div> <div> </div> <div> 25 WALLKILL AVE • MONTGOMERY • NY 12549 O. 845.294.2724   F. 888.305.6442 WWW.ADGARCHITECT.COM CONTACT@ADGARCHITECT.COM ARCHITECTURE • PLANNING • INTERIORS </div> </div>		
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Drawing: SECTIONS AND DETAILS		
<div> <div> </div> <div> Project: 23321 Date: 2/24/2025  Drawn: Author Scale: AS NOTED  Drawing Number: </div> </div>		



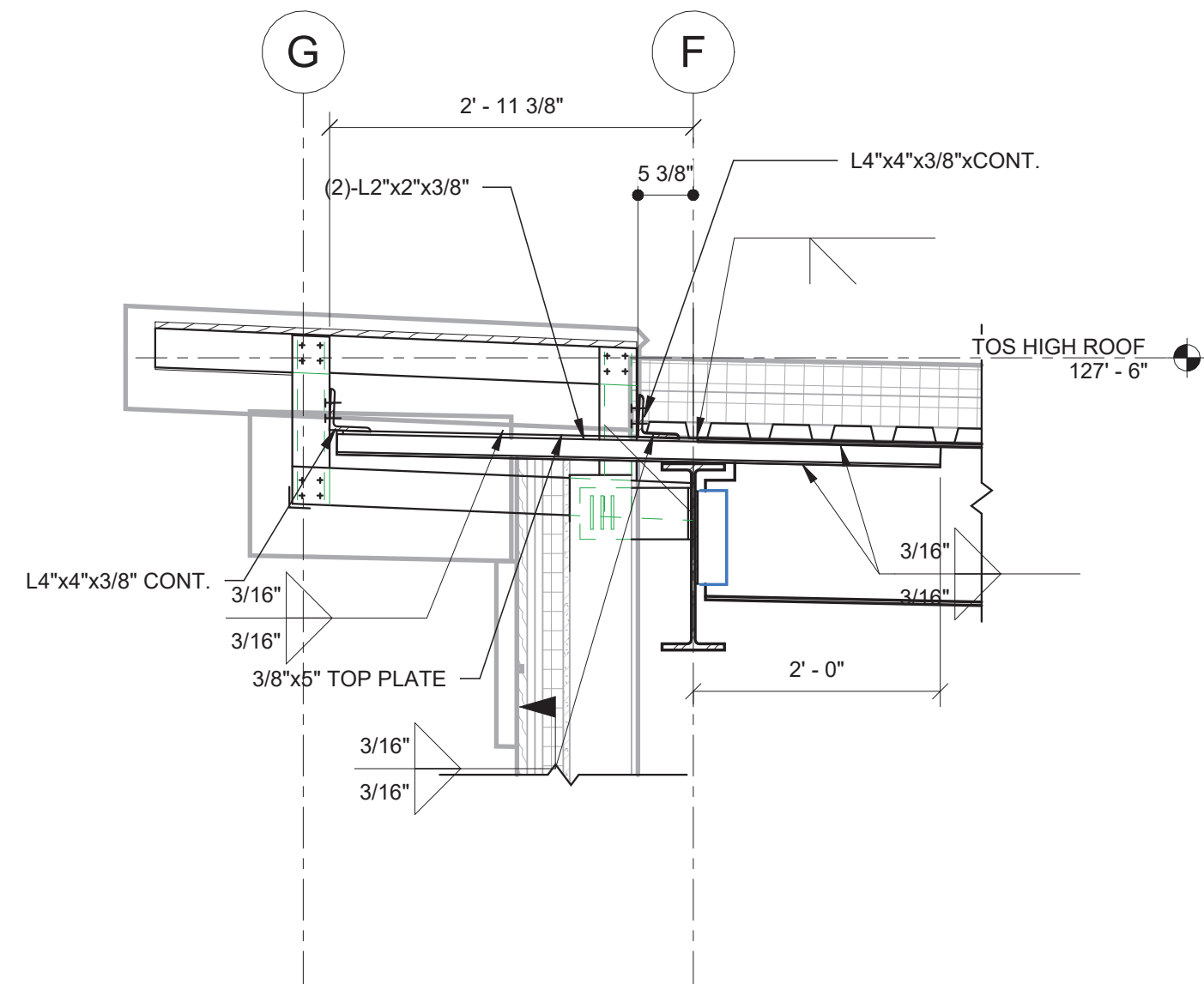




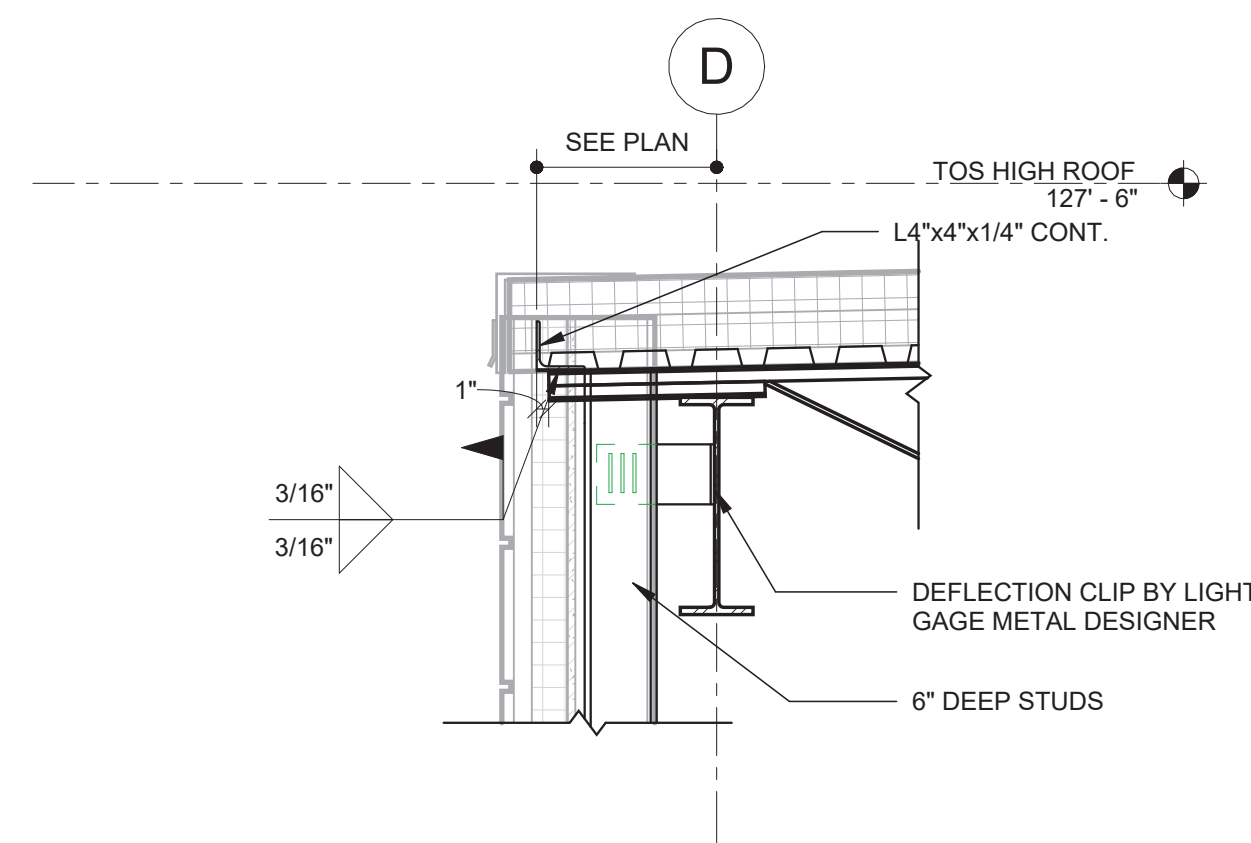


1 ELEVATION - WINGWALL D  
3/8" = 1'-0"

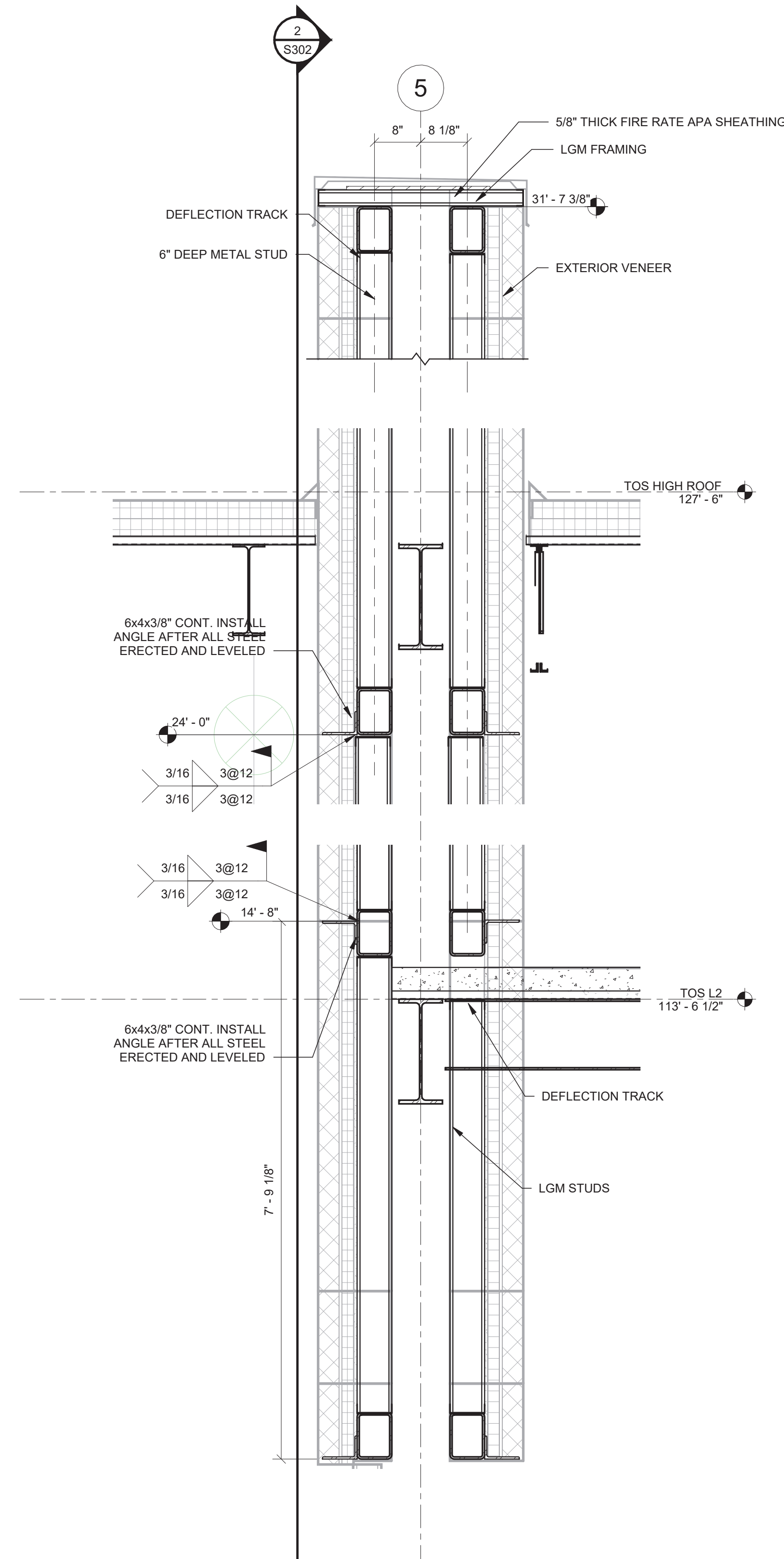
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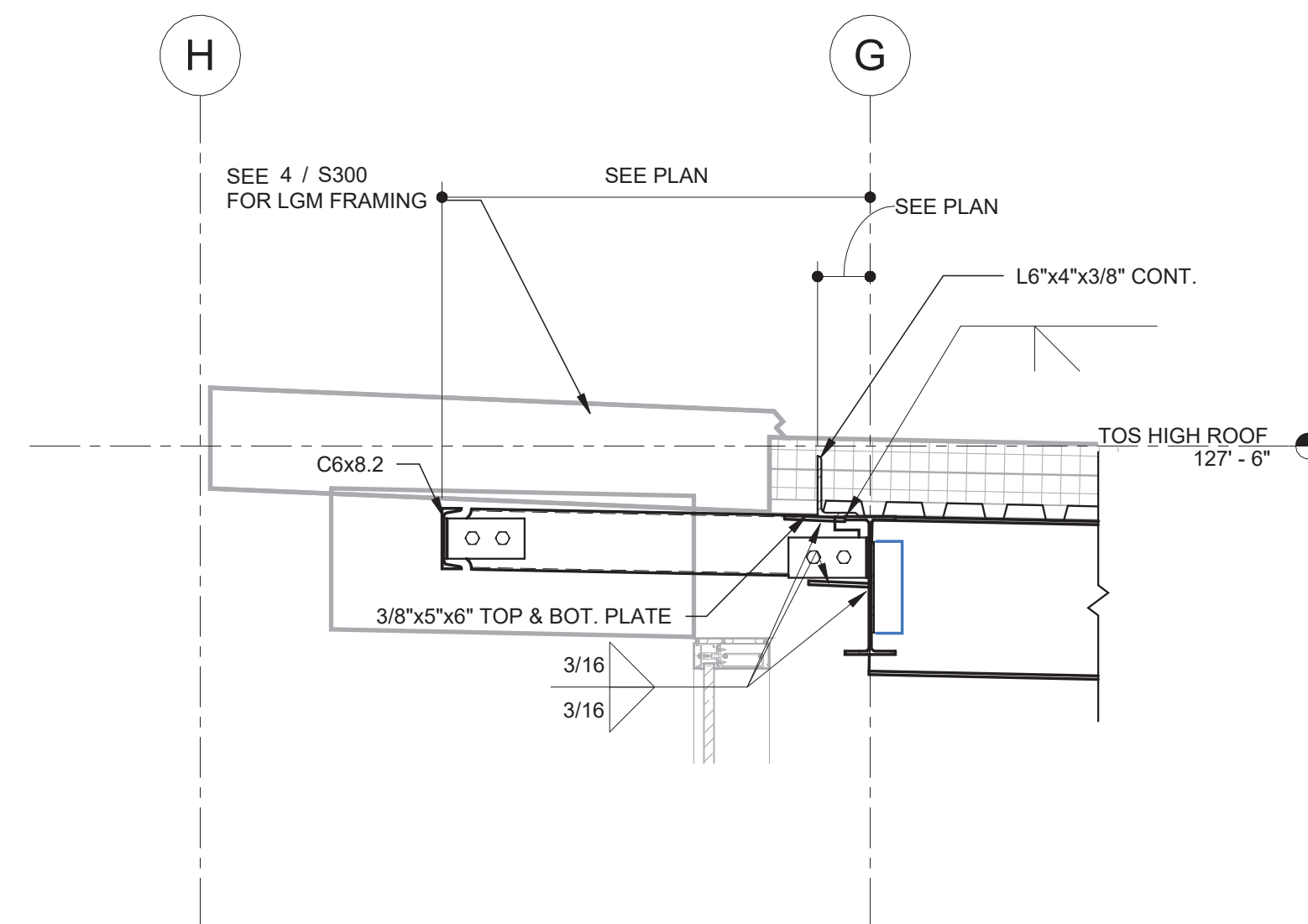
5 SECTION - CANTILEVER AT BEAM  
3/4" = 1'-0"



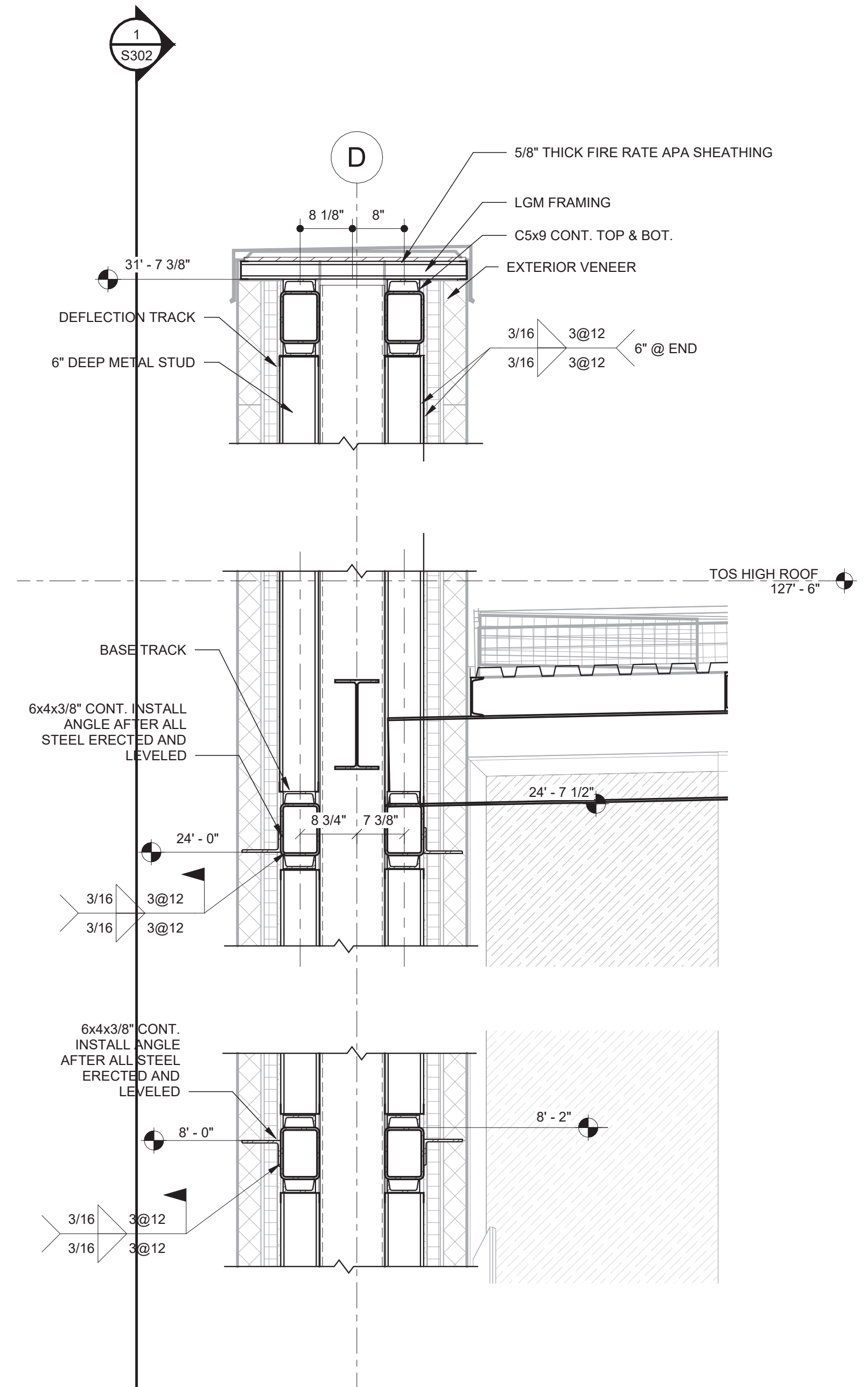
6 SECTION - JOIST EXT. ALONG D  
3/4" = 1'-0"



3 SECTION - WINGWALL ALONG 5  
3/4" = 1'-0"



7 SECTION - CANTILEVER ALONG 7  
3/4" = 1'-0"

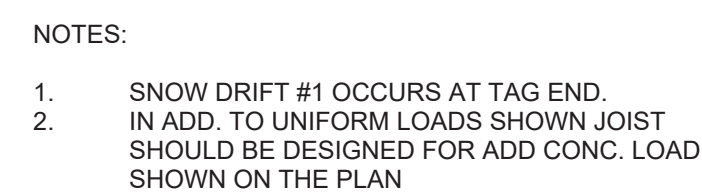
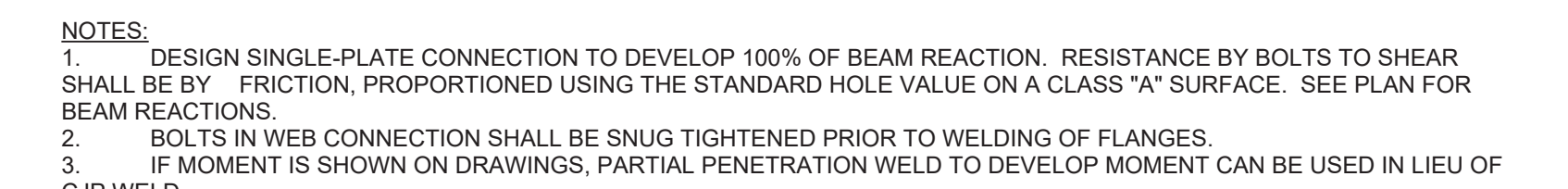


4 SECTION - WINGWALL ALONG D  
3/4" = 1'-0"

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Project: <b>POLICE STATION</b> TOWN OF MONTGOMERY, ORANGE COUNTY, NEW YORK Drawing: <b>SECTIONS AND DETAILS</b>		
<div> <div> </div> <div> Project: 23321 Date: 2/24/2025  Drawn: Author Scale: AS NOTED  Drawing Number: <b>S302</b> </div> </div>		





## COLUMN SCHEDULE

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Project: **POLICE STATION**  
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Drawing: SECTIONS AND DETAILS



Project: 23321	Date: 2/24/2025
Drawn: Author	Scale: AS NOTED
Drawing Number:	

S303