

Special Inspection General Notes

- SI.1SPECIAL INSPECTIONS ARE NOT REQUIRED PER THE FLORIDA BUILDING CODE. THE SPECIAL INSPECTIONS LISTED ARE FOR THE OWNER'S QUALITY CONTROL PLANS. THESE INSPECTIONS ARE IN ACCORDANCE WITH AND REFERENCE THE 2021 INTERNATIONAL BUILDING CODE. THE FLORIDA BUILDING CODE DOES NOT HAVE SPECIFIC REFERENCES FOR THESE SECTIONS. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED IN CONFORMANCE WITH THE APPLICABLE INTERNATIONAL BUILDING CODE AND ITS REFERENCED SPECIFICATIONS.
- SI.2THE SPECIAL INSPECTOR SHALL BE EMPLOYED BY THE OWNER OR THE OWNER'S AGENT AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK.
- SI.3THE SPECIAL INSPECTOR SHALL BE QUALIFIED PER THE INTERNATIONAL BUILDING CODE AND SHALL BE EDUCATED IN THE TASKS REQUIRED TO CONDUCT, SUPERVISE, AND EVALUATE THE INSPECTIONS. THE SPECIAL INSPECTOR MUST ALSO BE OBJECTIVE, COMPETENT, AND HAVE ACCESS TO THE APPROPRIATE TESTING EQUIPMENT WHICH SHALL BE MAINTAINED AND PERIODICALLY CALIBRATED. THE QUALIFICATIONS OF THE SPECIAL INSPECTOR MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL.
- SI.4SPECIAL INSPECTION AGENTS:

ATA: APPROVED TESTING AGENCY

GEOR: GEOTECHNICAL ENGINEER OF RECORD:
 UES
 607 NW COMMODITY COVE
 PORT ST. LUCIE, FL 34986

SEOR: STRUCTURAL ENGINEER OF RECORD:
 GEORGE F. YOUNG, INC.
 3500 BLUE LAKE DR, SUITE 460
 BIRMINGHAM, AL 35243
- SI.5THE SPECIAL INSPECTIONS SHALL BE PERFORMED IN ADDITION TO ANY OBSERVATIONS PERFORMED BY THE ENGINEER OF RECORD AND ANY INSPECTIONS PERFORMED BY THE BUILDING OFFICIAL.
- SI.6THE SPECIAL INSPECTOR SHALL MAINTAIN RECORDS AND PROVIDE THE REQUIRED DOCUMENTATION AS PRESCRIBED IN THE INTERNATIONAL BUILDING CODE, INCLUDING THE SUBMITTAL OF REPORTS TO THE BUILDING OFFICIAL AND THE DESIGNER OF RECORD.
- SI.7THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH THE SPECIAL INSPECTOR TO ALLOW FOR SPECIAL INSPECTIONS.
- SI.8CONSTRUCTION WHICH REQUIRES SPECIAL INSPECTIONS SHALL BE MAINTAINED IN SUCH A STATE AS TO ALLOW ACCESS FOR THE SPECIAL INSPECTOR UNTIL THE REQUIRED INSPECTIONS OR TESTS HAVE BEEN COMPLETED.
- SI.9ANY DEVIATIONS FOUND DURING THE SPECIAL INSPECTION PROCESS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE DESIGNER OF RECORD. ALL DEVIATIONS MUST BE ADDRESSED PRIOR TO COMPLETION OF THE WORK.
- SI.10INSPECTION FREQUENCY:

A. CONTINUOUS – SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.

B. PERIODIC – SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.

C. OBSERVE – OBSERVE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.

D. PERFORM – PERFORM TASKS FOR EACH JOINT, MEMBER, AND CONNECTION.
- SI.11SPECIAL INSPECTIONS FOR STRUCTURAL, LOAD-BEARING, OR LATERAL LOAD BEARING FABRICATED ITEMS SHALL BE PERFORMED FOR THE FABRICATED ITEMS AT THE FABRICATOR'S SHOP. SPECIAL INSPECTIONS FOR FABRICATED ITEMS MAY BE WAIVED WHEN THE FABRICATOR IS REGISTERED AND HAS APPROVAL TO PERFORM THE WORK WITHOUT SPECIAL INSPECTIONS. IF THE INSPECTIONS ARE WAIVED, THE FABRICATOR MUST SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL SHOWING COMPLIANCE WITH THE APPROVED STRUCTURAL DRAWINGS.

Soils				
NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC		GEOR
2.00	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC		GEOR
3.00	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	PERIODIC		GEOR
4.00	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT, AND COMPACTION OF COMPACTED FILL.	CONTINUOUS		GEOR
5.00	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC		GEOR

Wind Resistance				
NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	COLD FORMED STEEL LIGHT-FRAMED CONSTRUCTION		IBC 1705.11.2	
1.01	WELDING OPERATIONS OF ELEMENTS OF THE MAIN WIND FORCE-RESISTING SYSTEM	CONTINUOUS		ATA
1.02	SCREW ATTACHMENT, BOLTING, ANCHORING, OR OTHER FASTENING OF ELEMENTS OF THE MAIN WIND FORCE-RESISTING SYSTEM, INCLUDING SHEAR WALLS, DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLD DOWNS.	PERIODIC		ATA
2.00	WIND RESISTING COMPONENTS		IBC 1705.11.3	
2.01	ROOF COVERINGS, ROOF DECK, AND ROOF FRAMING CONNECTIONS	PERIODIC		ATA
2.02	EXTERIOR WALL COVERING AND CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING	PERIODIC		ATA

Steel Joists				
NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS.			
1.01	END CONNECTIONS - WELDED OR BOLTED.	PERIODIC	SJI SPECIFICATIONS LISTED IN IBC 2207.1	ATA
1.02	HORIZONTAL OR DIAGONAL STANDARD BRIDGING OR BRIDGING THAT DIFFERS FROM SJI SPECIFICATIONS LISTED IN SECTION 2207.1.	PERIODIC	SJI SPECIFICATIONS LISTED IN IBC 2207.1	ATA

Concrete				
NO.	INSPECTION TASK	FREQUENCY	REFERENCE STANDARD	Agent
1.00	INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	PERIODIC	ACI 318 CH 20, 25.2, 25.3, 26.5.1-26.5.3; IBC 1908.4	ATA
2.00	INSPECT ANCHORS CAST IN CONCRETE.	PERIODIC	ACI 318: 17.8.2	ATA
3.00	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.			ATA
3.01	INSPECT ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	CONTINUOUS	ACI 318: 17.8.2.4	ATA
3.02	INSPECT MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.01.	PERIODIC	ACI 318: 17.8.2	ATA
4.00	VERIFY USE OF REQUIRED DESIGN MIX.	PERIODIC	ACI 318: CH 19, 26.4.3, 26.4.4; IBC 1904.1, 1904.2, 1908.2, 1908.3	ATA
5.00	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. DETERMINE UNIT WEIGHT OF LIGHTWEIGHT CONCRETE.	CONTINUOUS	ASTM C 172; ASTM C 31; ACI 318:26.4.5, 26.12; IBC 1908.10	ATA
6.00	INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	ACI 318: 26.4.5; IBC 1908.6, 1908.7, 1908.8	ATA
7.00	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	ACI 318: 26.4.7-26.4.9; IBC 1908.9	ATA
8.00	INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	ACI 318: 26.10.1(B)	ATA
9.00	ISOLATED CONCRETE FOOTINGS OF BUILDINGS THREE STORIES OR LESS ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (1)	ATA
10.00	CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS OF LIGHT-FRAME CONSTRUCTION OR THOSE THAT ARE DESIGNED IN ACCORDANCE WITH IBC 2015 TABLE 1809.7 ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (2)	ATA
11.00	SLABS ON GRADE ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (3)	ATA
12.00	CONCRETE FOUNDATION WALLS CONSTRUCTED IN ACCORDANCE WITH IBC 2015 TABLE 1807.1.6.2 ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (4)	ATA

Masonry - Level B

NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA TMS 402/ACI 530/ASCE 5 TMS 602/ACI 530.1/ASCE 6	AGENT
1.00	VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERED TO THE PROJECT SITE FOR SELF-CONSOLIDATING GROUT.	PERIODIC	TMS 602 ART. 1.5 B.1.B.3	ATA
2.00	VERIFICATION OF F'M AND F'AAc PRIOR TO CONSTRUCTION, EXCEPT WHERE SPECIFICALLY EXEMPTED BY TMS 402/ACI 530/ASCE 5.	PERIODIC	TMS 602 ART. 1.4 B	ATA
3.00	VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS.	PERIODIC	TMS 602 ART. 1.5	ATA
4.00	AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:			
4.01	PROPORTIONS OF SITE-PREPARED MORTAR	PERIODIC	TMS 602 ART. 2.1, 2.6 A	ATA
4.02	CONSTRUCTION OF MORTAR JOINTS	PERIODIC	TMS 602 ART. 3.3 B	ATA
5.00	PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:			
5.01	GROUT SPACE	PERIODIC	TMS 602 ART. 3.2 D, 3.2 F	ATA
5.02	GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLT	PERIODIC	TMS 402 SEC. 6.1; TMS 602 ART. 2.4, 3.4	ATA
5.03	PLACEMENT OF REINFORCEMENT, CONNECTORS	PERIODIC	TMS 402 SEC. 6.1, 6.2.1, 6.2.6, 6.2.7; TMS 602 ART. 3.2 E, 3.4, 3.6 A	ATA
5.04	PROPORTIONS OF SITE-PREPARED GROUT	PERIODIC	TMS 602 ART. 2.6 B, 2.4 G.1.b	ATA
5.05	CONSTRUCTION OF MORTAR JOINTS	PERIODIC	TMS 602 ART. 3.3 B	ATA
6.00	VERIFY DURING CONSTRUCTION:			
6.01	SIZE AND LOCATION OF STRUCTURAL ELEMENTS	PERIODIC	TMS 602 ART. 3.3 F	ATA
6.02	TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION	PERIODIC	TMS 402 SEC. 1.2.1(e), 6.1.4.3, 6.2.1	ATA
6.03	PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F)	PERIODIC	TMS 602 ART. 1.8 C, 1.8 D	ATA
7.00	OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS.	PERIODIC	TMS 602 ART. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3, 1.4 B.4	ATA
NOTES:	(a) CONTINUOUS REQUIRED FOR THE FIRST 5,000 SQUARE FEET OF AAC MASONRY. PERIODIC REQUIRED AFTER THE FIRST 5,000 SQUARE FEET OF AAC MASONRY.			

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SEAL

ISSUE	BY	DATE	DESCRIPTION
-		3/24/25	PERMIT SET

PROJECT INFORMATION BLOCK	
JOB #	230651
DATE:	3/24/25
DRAWN BY:	SSC
CHECKED BY:	JDP

SHEET TITLE

SPECIAL INSPECTIONS

SHEET NUMBER

S-103

[illegible]

SHEET TITLE

SHEET NUMBER

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Steel Deck				
NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT:		SDI STD QA/QC TABLE 1.1	
1.01	VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS.	PERFORM		ATA
1.02	DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	PERFORM		ATA
2.00	INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT:		SDI STD QA/QC TABLE 1.2	
2.01	VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS.	PERFORM		ATA
2.02	VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS.	PERFORM		ATA
2.03	DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES.	PERFORM		ATA
3.00	INSPECTION OR EXECUTION TASKS PRIOR TO WELDING:		SDI STD QA/QC TABLE 1.3	
3.01	WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE.	OBSERVE		ATA
3.02	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE.	OBSERVE		ATA
3.03	MATERIAL IDENTIFICATION (TYPE/GRADE).	OBSERVE		ATA
3.04	CHECK WELDING EQUIPMENT.	OBSERVE		ATA
4.00	INSPECTION OR EXECUTION TASKS DURING WELDING:		SDI STD QA/QC TABLE 1.4	
4.01	USE QUALIFIED WELDERS.	OBSERVE		ATA
4.02	CONTROL AND HANDLING OF WELDING CONSUMABLES.	OBSERVE		ATA
4.03	ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE).	OBSERVE		ATA
4.04	WPS FOLLOWED.	OBSERVE		ATA
5.00	INSPECTION OR EXECUTION TASKS AFTER WELDING:		SDI STD QA/QC TABLE 1.5	
5.01	VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS.	PERFORM		ATA
5.02	WELDS MEET VISUAL ACCEPTANCE CRITERIA.	PERFORM		ATA
5.03	VERIFY REPAIR ACTIVITIES.	PERFORM		ATA
5.04	DOCUMENT ACCEPTANCE OR REJECTION OF WELDS.	PERFORM		ATA
6.00	INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING:		SDI STD QA/QC TABLE 1.6	
6.01	MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS.	OBSERVE		ATA
6.02	PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION.	OBSERVE		ATA
6.03	PROPER STORAGE FOR MECHANICAL FASTENERS.	OBSERVE		ATA
7.00	INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING:		SDI STD QA/QC TABLE 1.7	
7.01	FASTENERS ARE POSITIONED AS REQUIRED.	OBSERVE		ATA
7.02	FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.	OBSERVE		ATA
8.00	INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING:		SDI STD QA/QC TABLE 1.8	
8.01	CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS.	PERFORM		ATA
8.02	CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS.	PERFORM		ATA
8.03	CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS.	PERFORM		ATA
8.04	VERIFY REPAIR ACTIVITIES.	PERFORM		ATA
8.05	DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS.	PERFORM		ATA



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DISCREPANCIES OR CONFLICTS TO BDG ARCHITECTS PRIOR TO
PERFORMING WORK SHALL RESULT IN THE WAIVER OF ANY CLAIMS OR
DAMAGES ASSOCIATED WITH THE DISCREPANCIES OR CONFLICTS. THE
CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION, SCHEDULING
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PROJECT INFORMATION BLOCK			
JOB #	230651		
DATE:	3/24/25		
DRAWN BY:	SSC		
CHECKED BY:	JDP		

SHEET TITLE

BRANCH FOUNDATION
AND FLOOR PLAN

SHEET NUMBER

S-201



1 Branch Foundation and Floor Plan

1/4" = 1'-0"

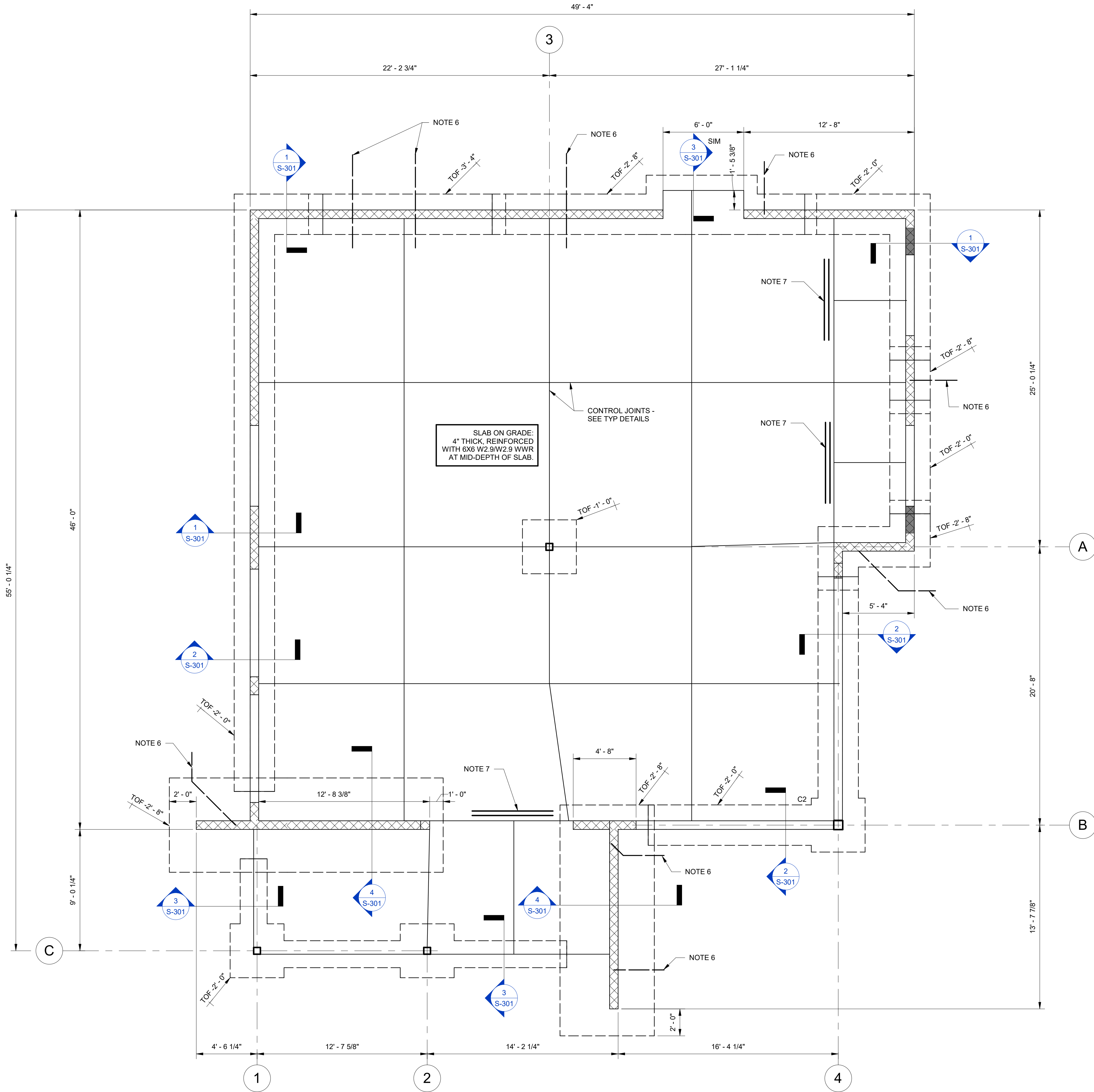
- FINISH FLOOR (TOP OF SLAB) ELEVATION 0'-0", UNLESS NOTED.
- TOP OF FOOTING: -2'-0", UNLESS NOTED.
- FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
FOR SLAB EDGES NOT DIMENSIONED, SEE ARCHITECTURAL DRAWINGS.
- FOR SLAB RECESS, SEE ARCHITECTURAL DRAWINGS.
- GENERAL CONTRACTOR SHALL COORDINATE TILE JOINT LOCATIONS WITH CONTROL JOINTS.
- FOOTING STEP ELEVATIONS AND LOCATION ARE APPROXIMATE. GENERAL
CONTRACTOR SHALL COORDINATE ALL FOOTING STEPS WITH CIVIL, PLUMBING AND
UTILITY DRAWINGS.
- PROVIDE 2#5x6'-0" AT ALL RE-ENTRANT CORNERS AND DISCONTINUOUS CONTROL JOINTS.
- PROVIDE ISOLATION JOINT AROUND COLUMN THROUGH SLAB AND CURB, TYPICAL AT
DRIVE-THRU.
- BUILD MASONRY CONNECTION ACROSS WALLS AT THREE LOCATIONS.
- AT BEAM BEARING ABOVE, PROVIDE (3) CELLS REINFORCED WITH 1 #5 EACH AND
GROUTED SOLID FROM BEAM BEARING TO FOUNDATION.
- CONTRACTOR TO COORDINATE PIPE AND CONDUIT LOCATIONS IN CMU WALLS TO BE IN
UNREINFORCED CELLS ONLY.

Structural Column Schedule				
Designation	Size	Base Plate	Anchor Rods	Notes
C1	HSS6x6x3/8	3/4x12x1'-0"	(4) 3/4"x0, 9" EMBEDMENT	
C2	HSS8x8x3/8	3/4x14x1'-2"	(4) 3/4"x0, 9" EMBEDMENT	

- ALL COLUMNS ARE C1, UNLESS NOTED.
- PROVIDE 1 1/2" EDGE DISTANCE FOR ANCHOR RODS.

Structural Foundation Schedule						
Designation	Length	Width	Depth	Bottom Reinforcement	Top Reinforcement	Notes
F4	4' - 0"	4' - 0"	1' - 2"	5#5 EW	5#5 EW	

- ALL FOOTINGS ARE F4, UNLESS NOTED.



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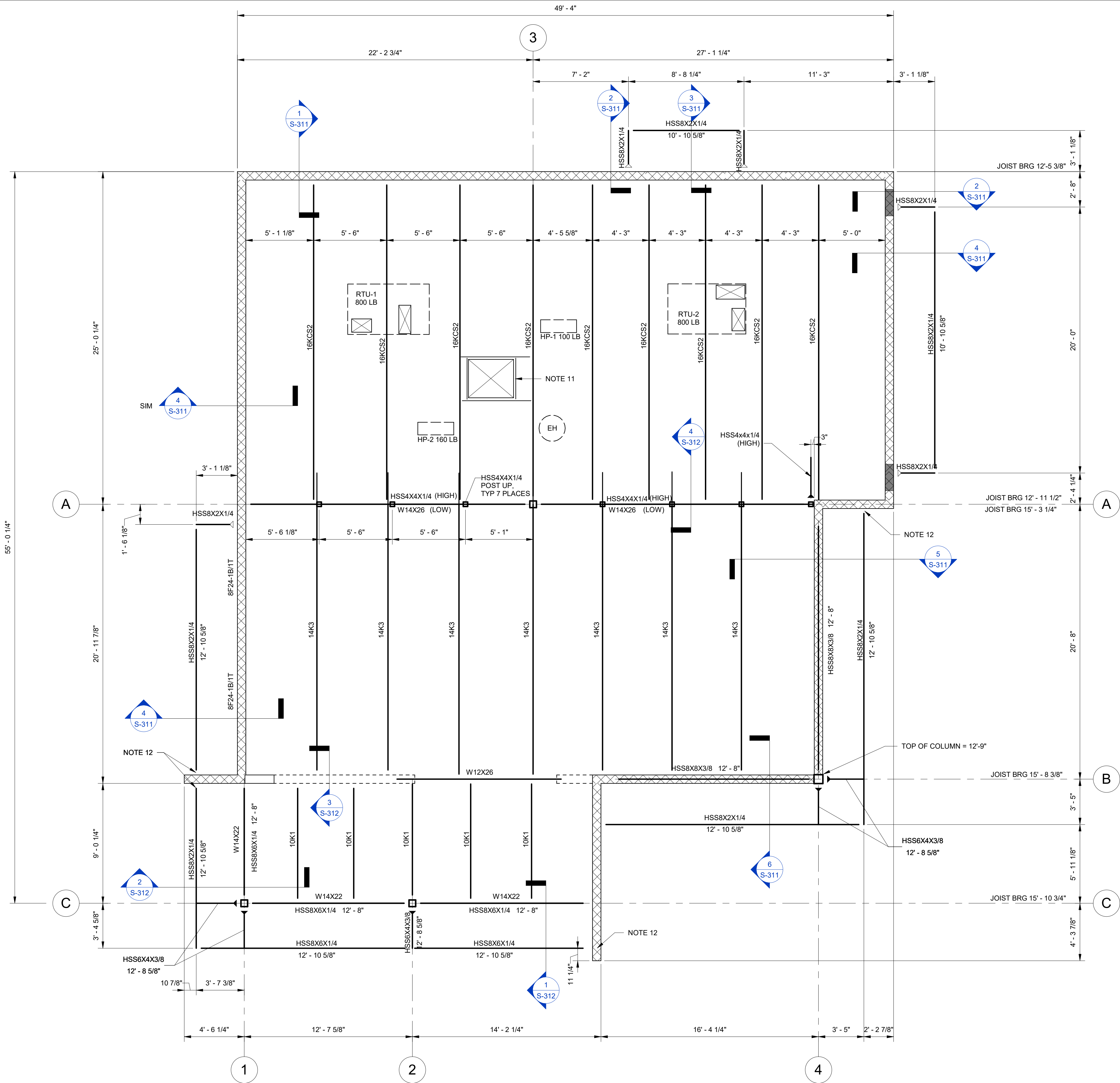
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CHECKED BY:	JDP		

SHEET TITLE

BRANCH ROOF
FRAMING PLAN

SHEET NUMBER

S-211

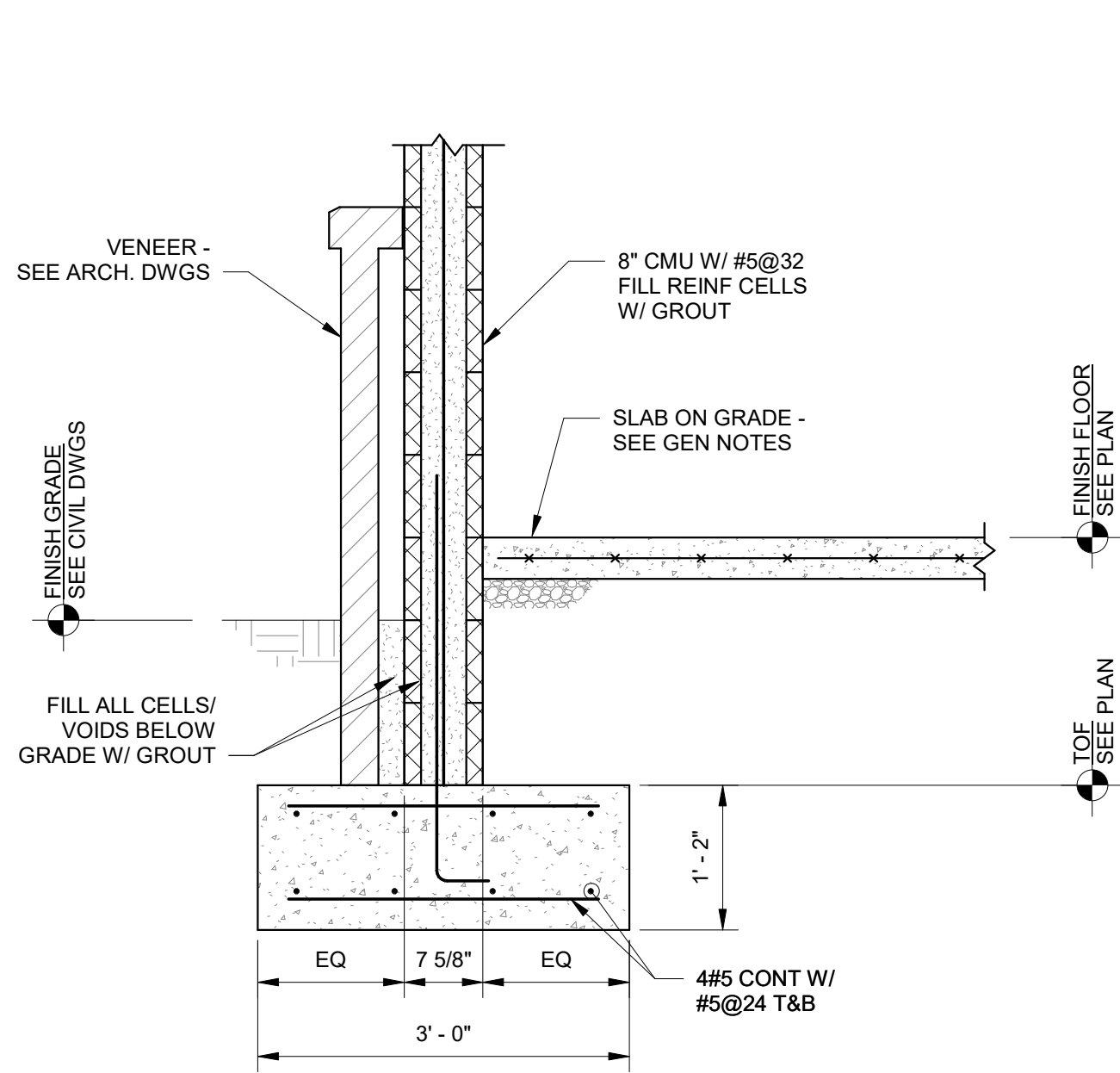


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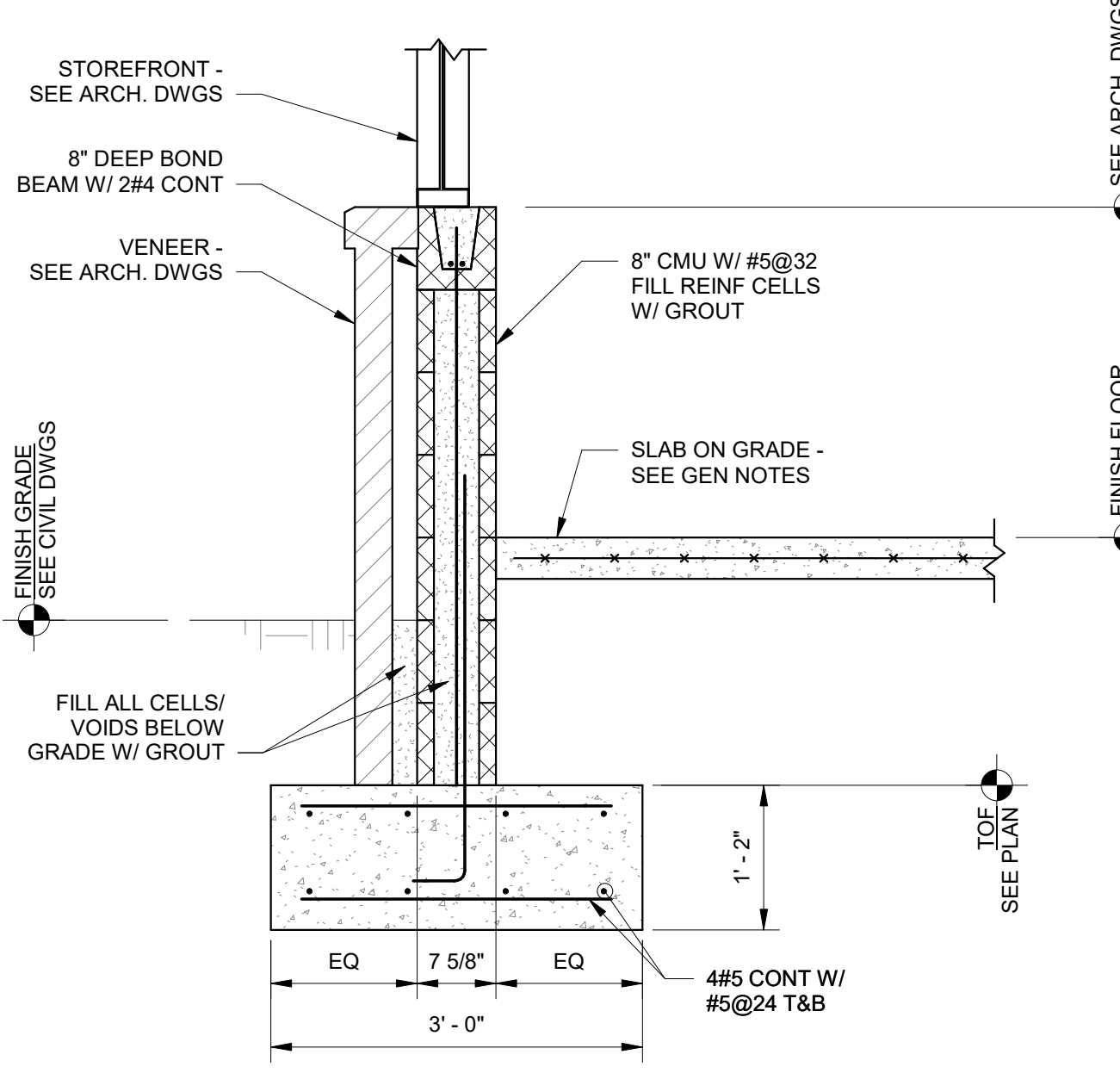
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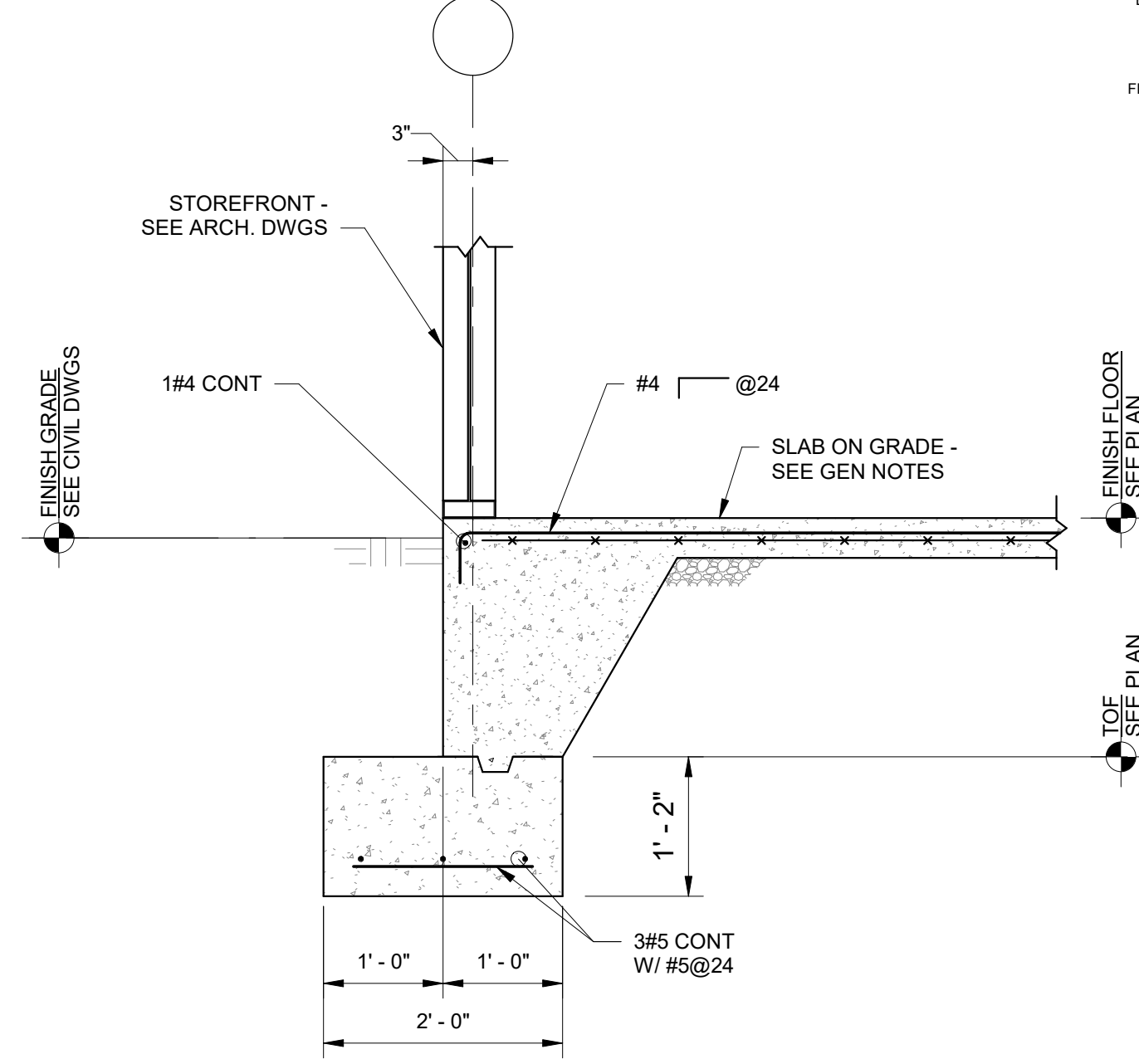
SHEET TITLE
FOUNDATION SECTIONS
SHEET NUMBER
S-301



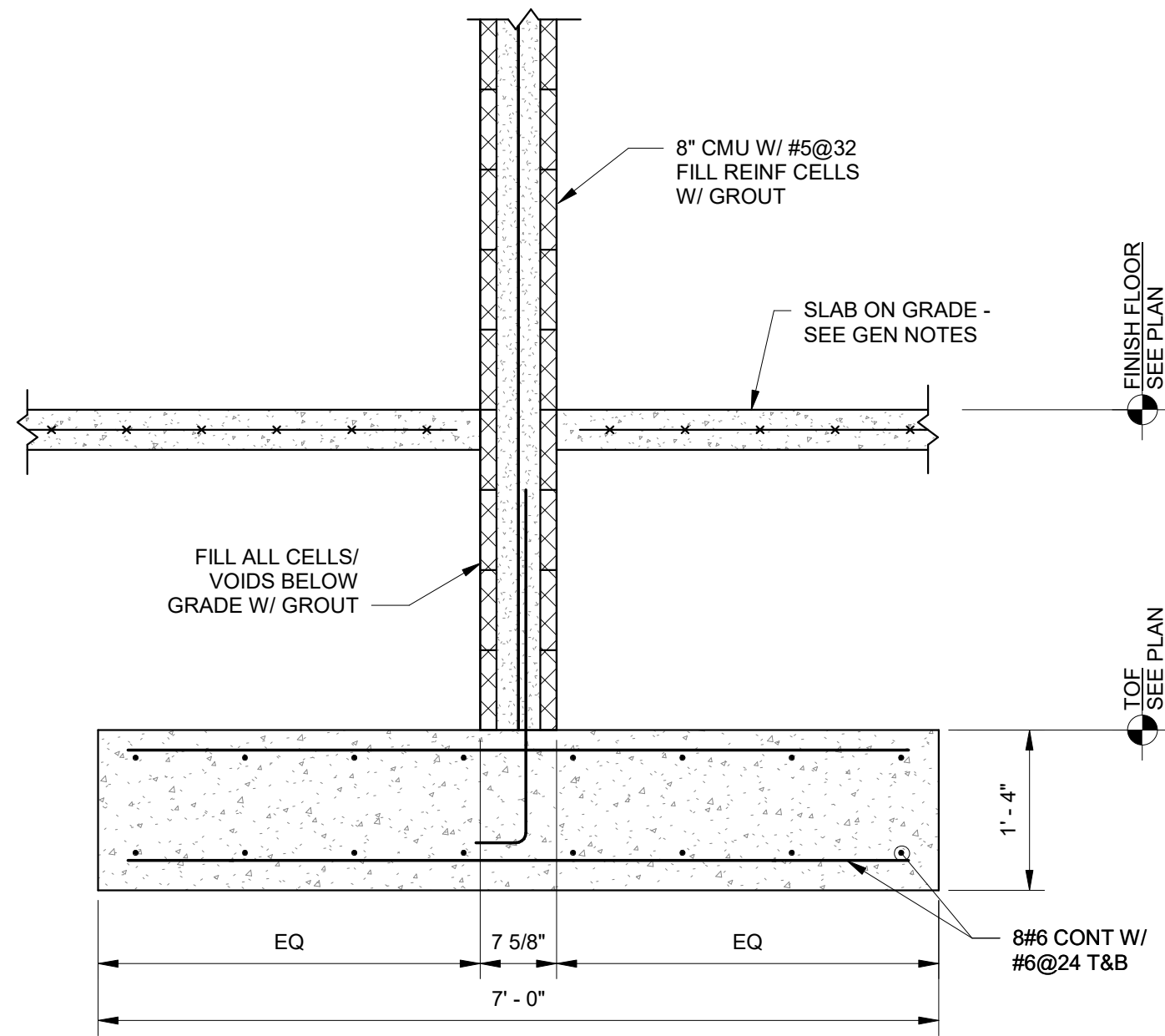
1 Section
3/4" = 1'-0"



2 Section
3/4" = 1'-0"



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



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

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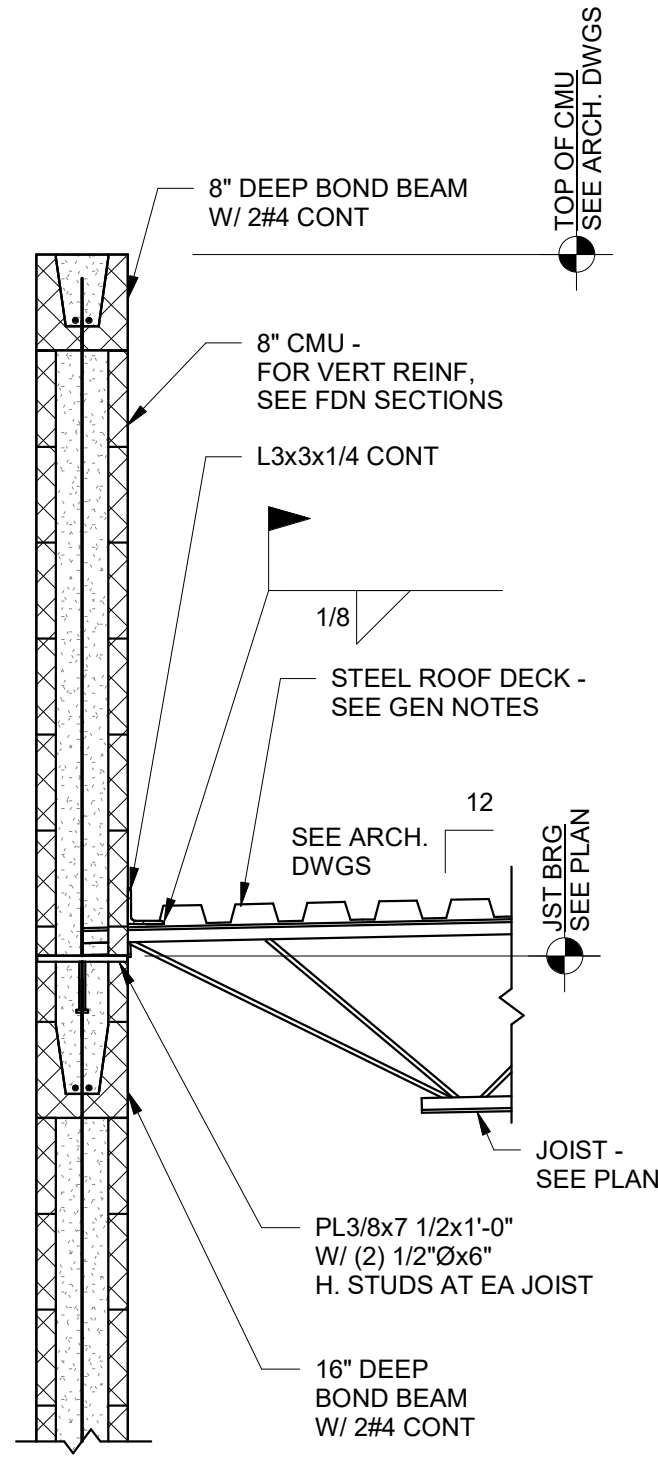
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ROOF SECTIONS

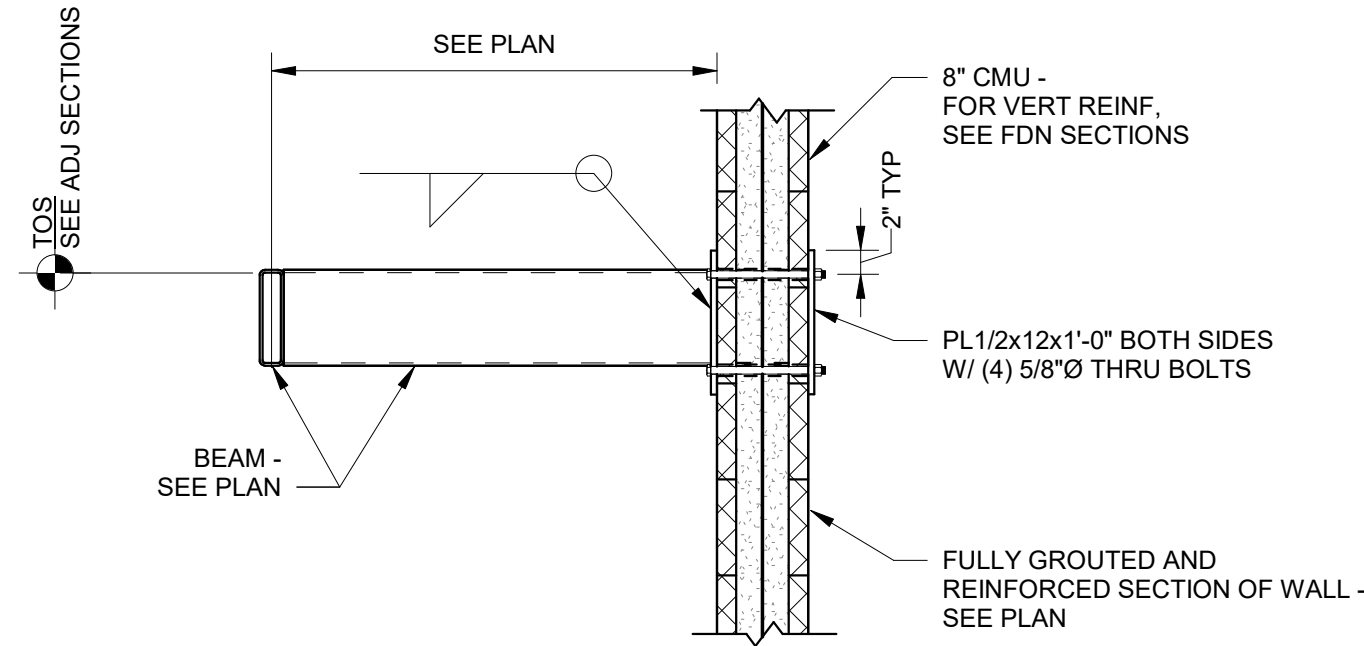
SHEET NUMBER

S-311

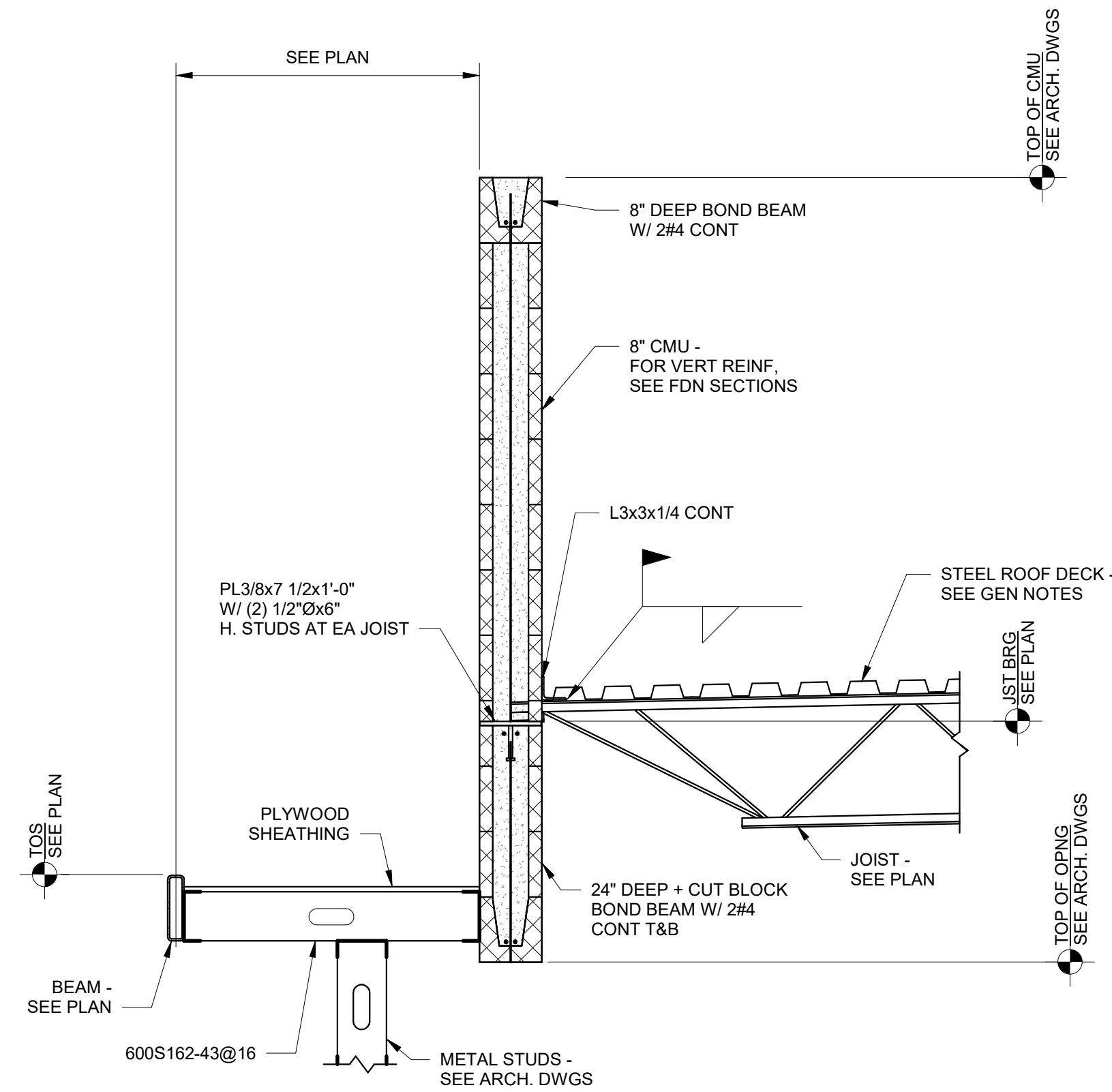
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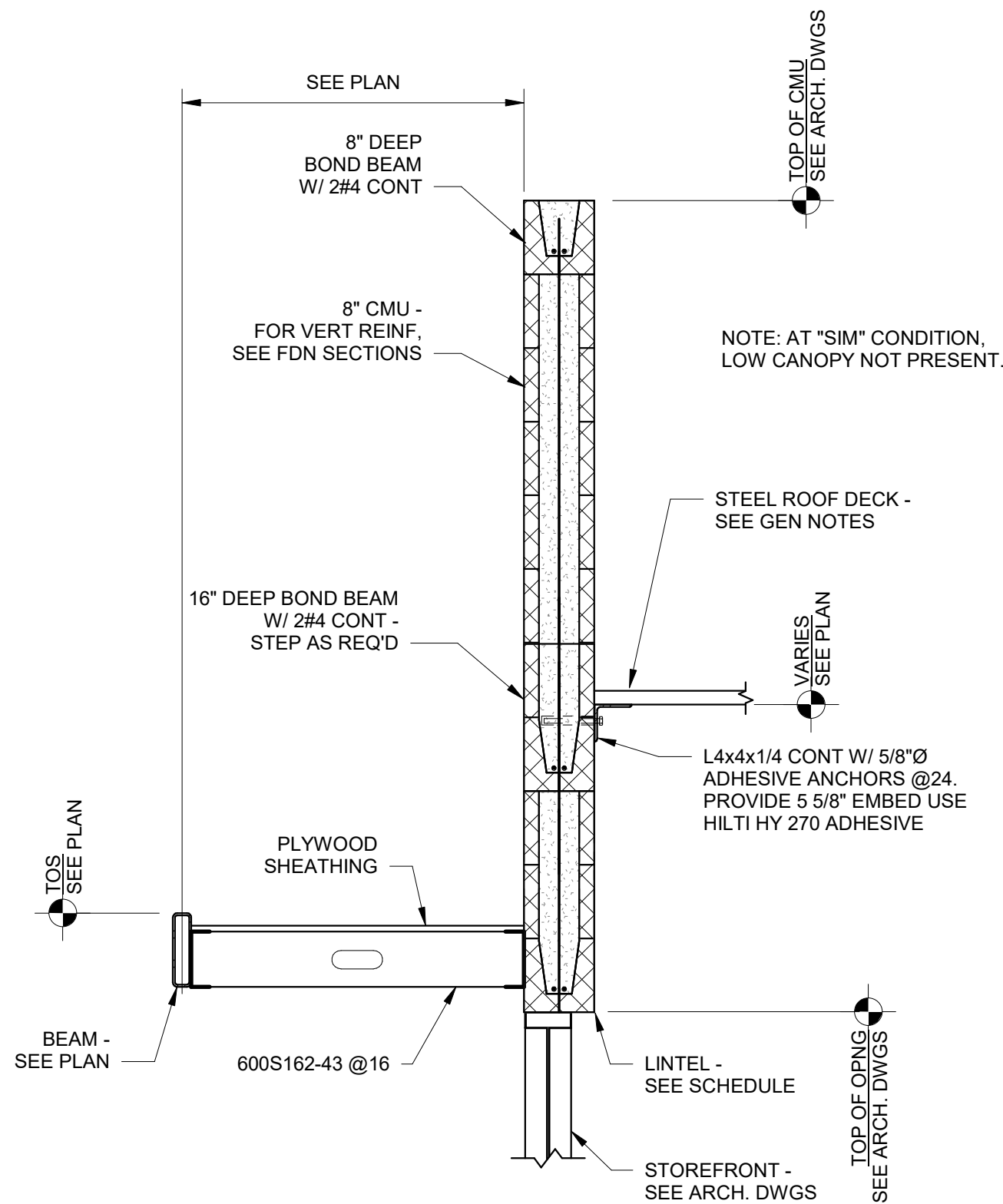
2 Section
3/4" = 1'-0"



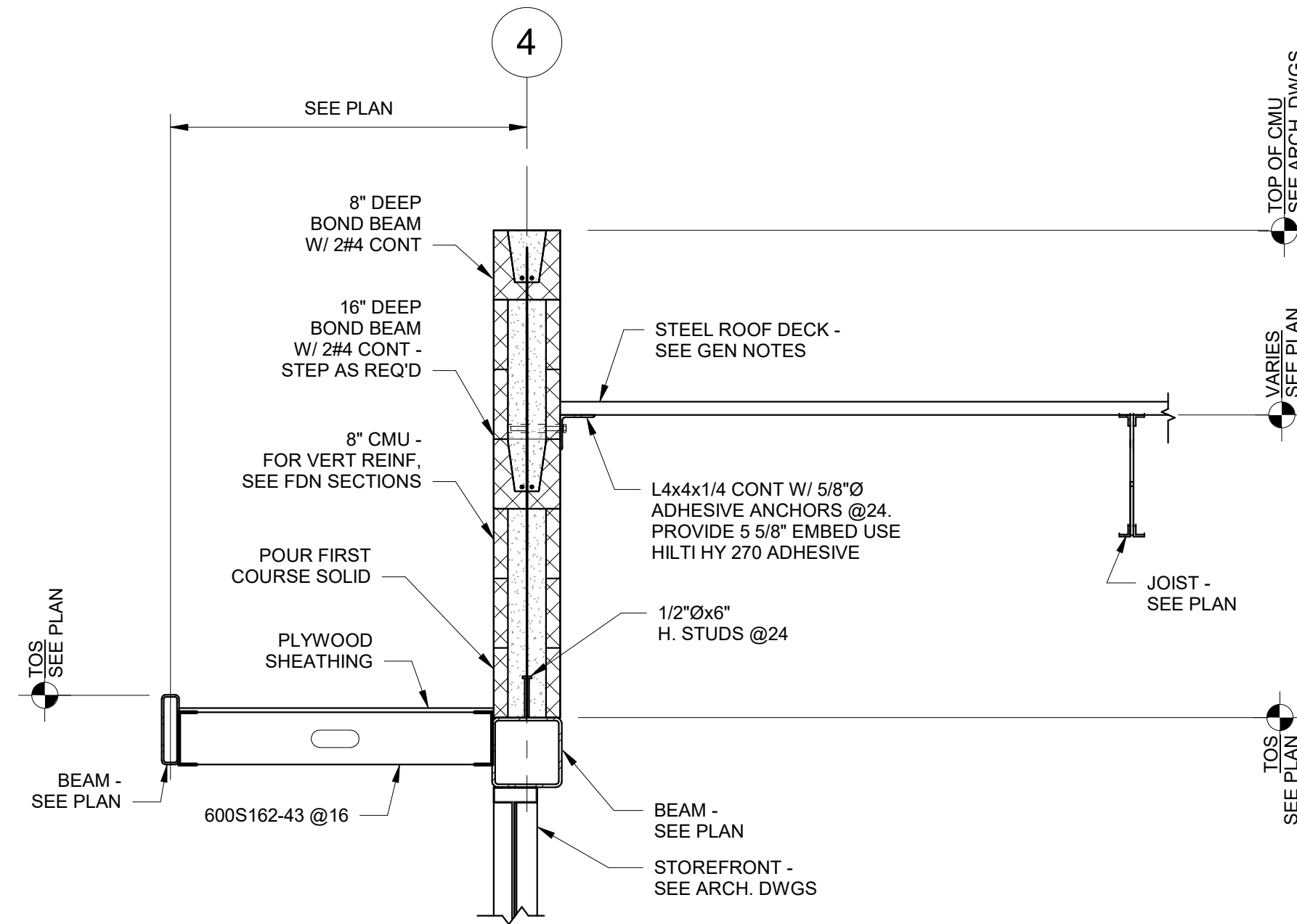
3 Section
3/4" = 1'-0"



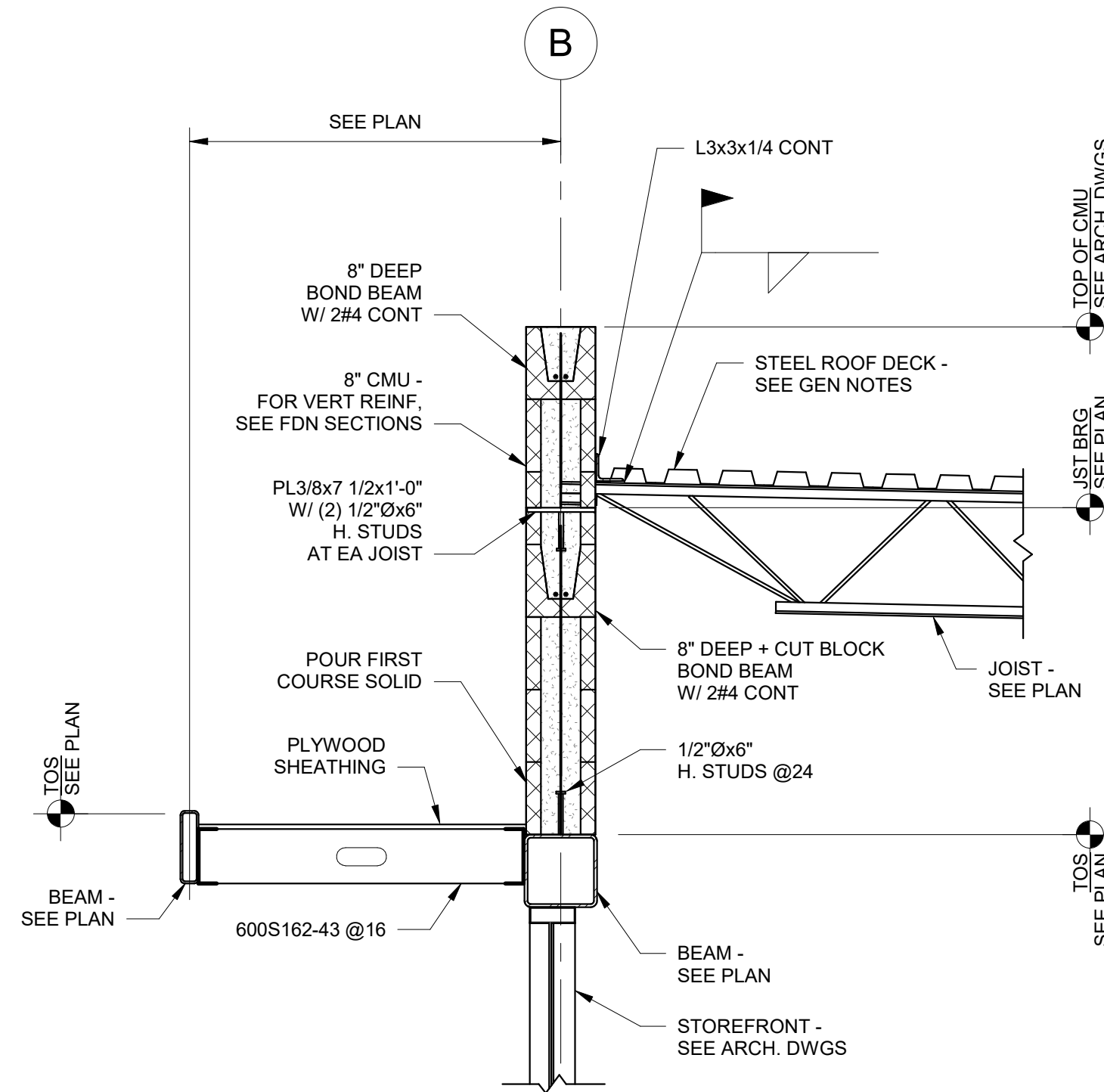
4 Section
3/4" = 1'-0"

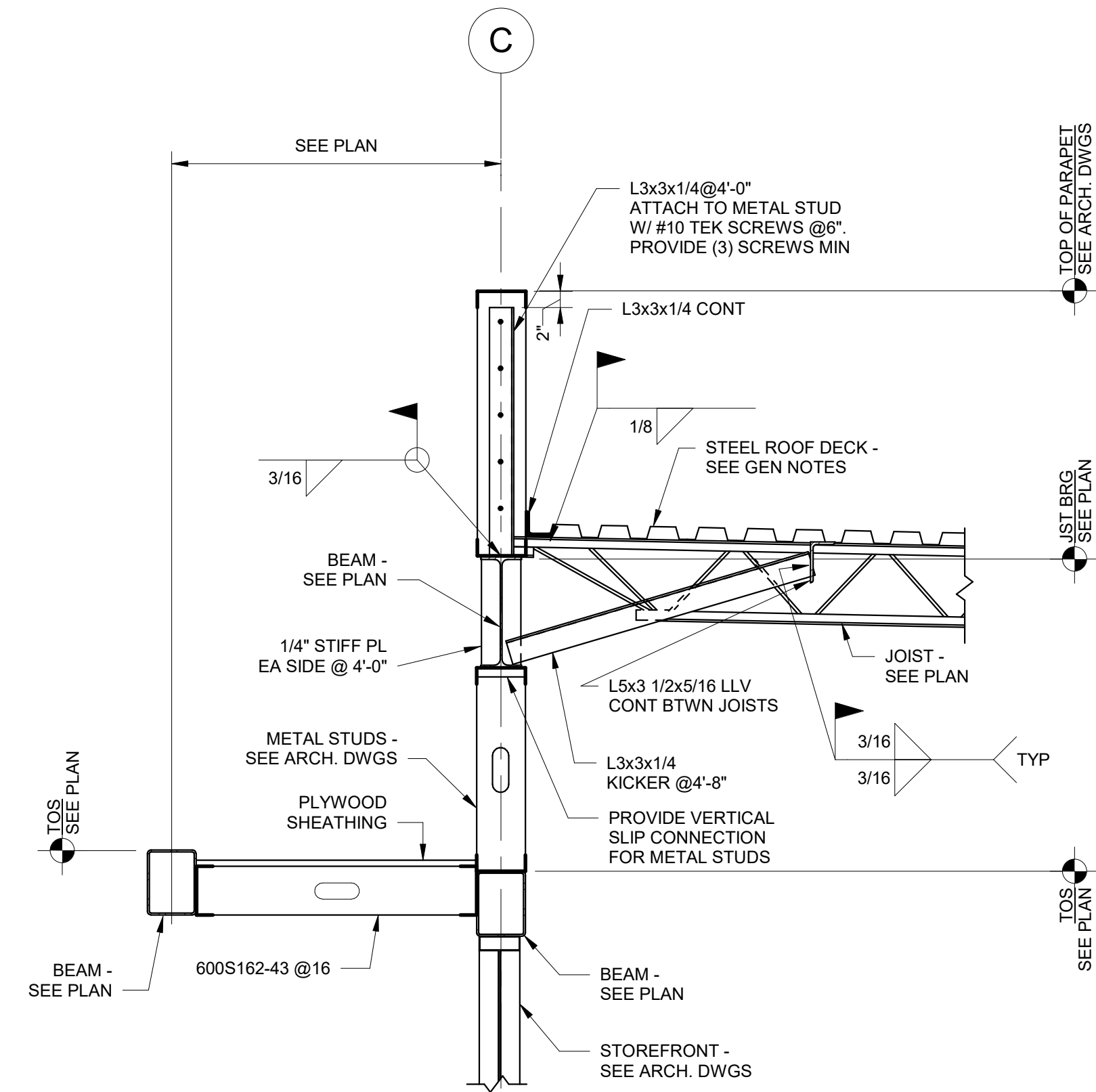


5 Section
3/4" = 1'-0"

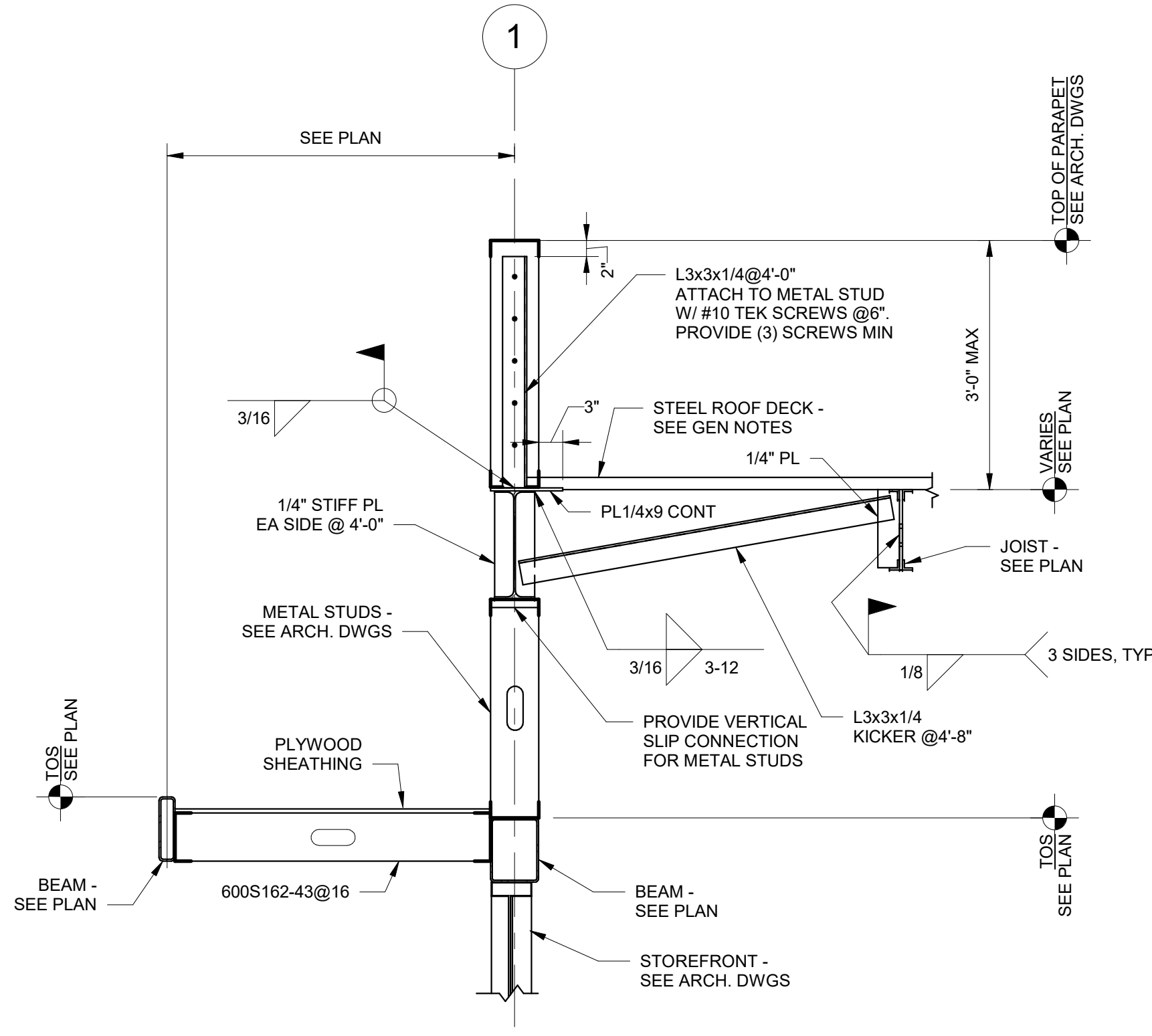


6 Section
3/4" = 1'-0"

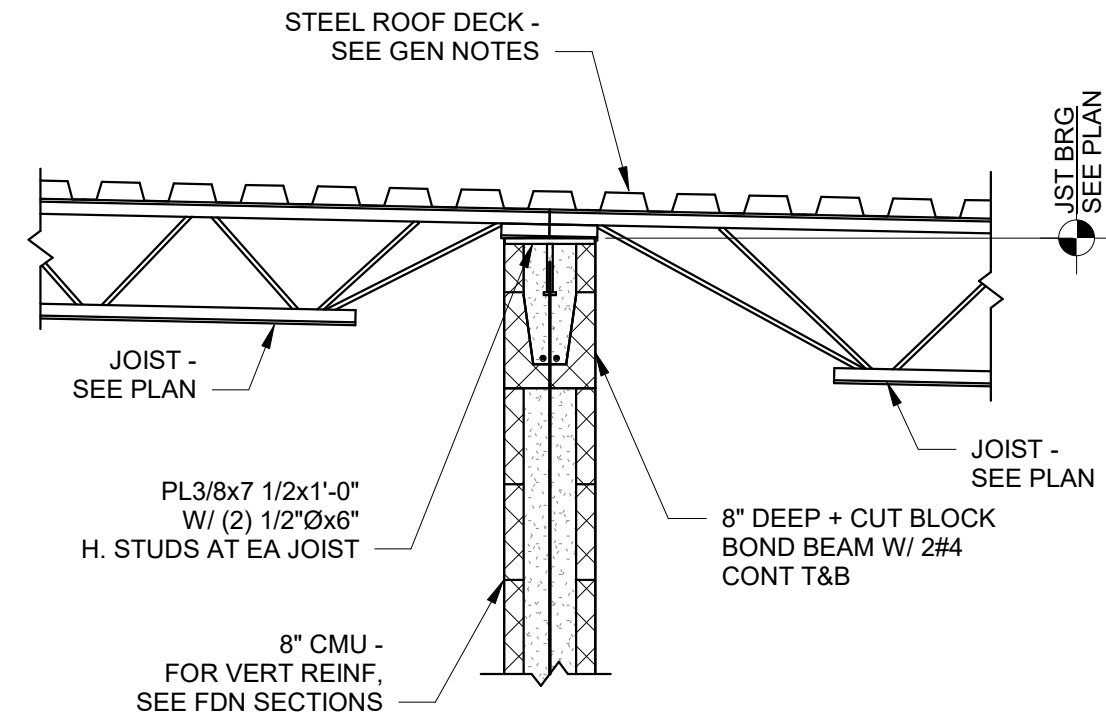




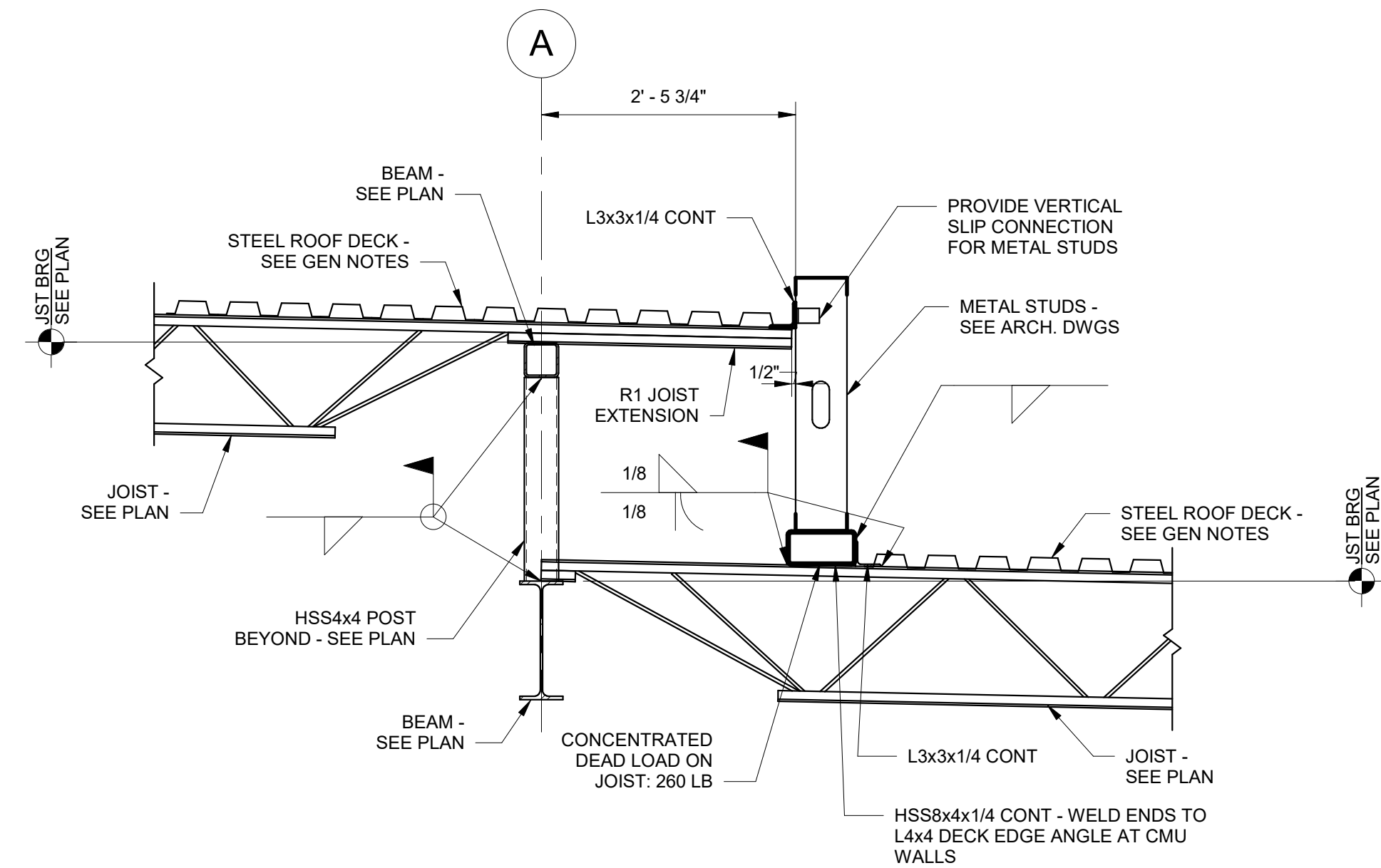
1 Section
3/4" = 1'-0"



2 Section
3/4" = 1'-0"



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



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

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SHEET TITLE
ROOF SECTIONS
SHEET NUMBER
S-312

ISSUE	BY	DATE	DESCRIPTION
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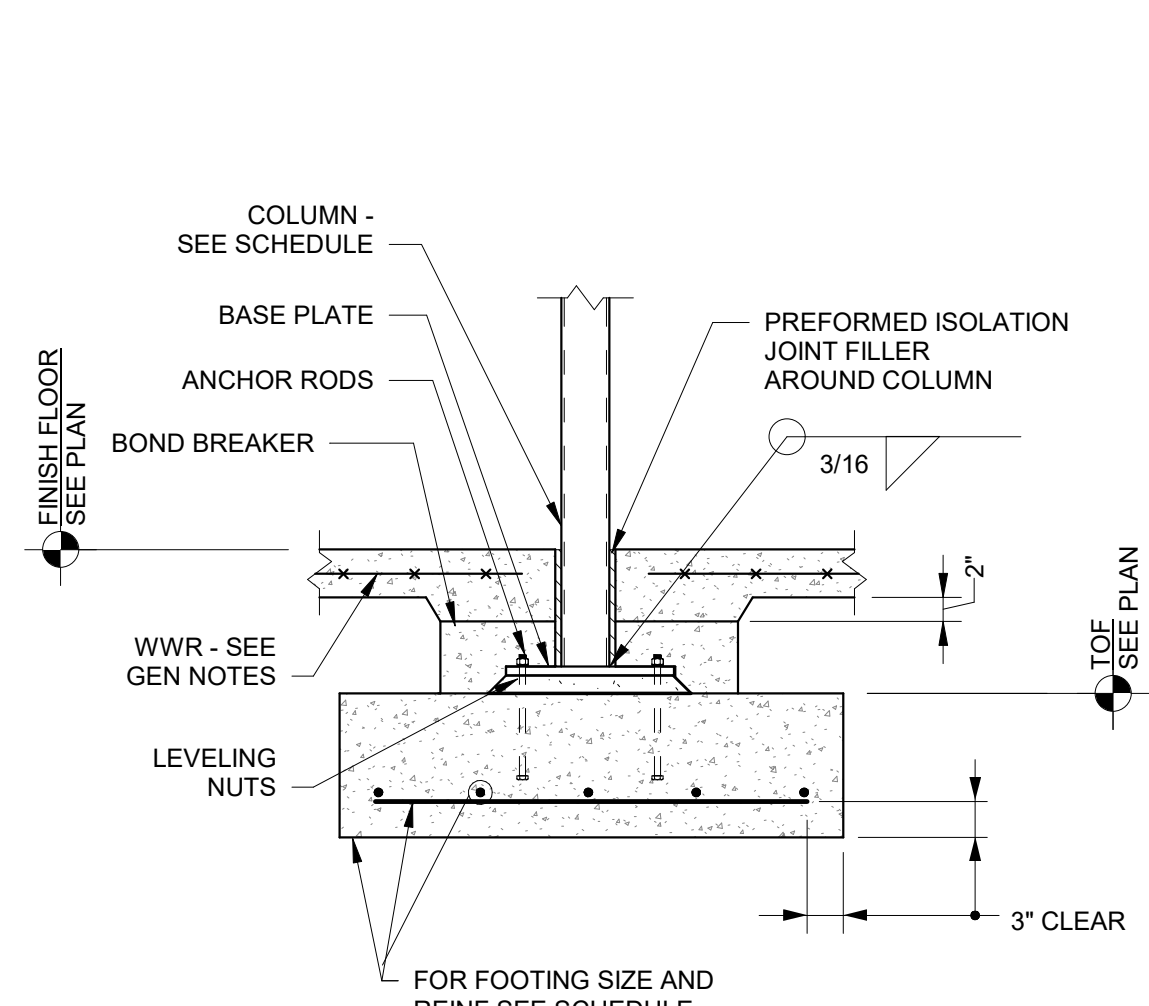
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SHEET TITLE

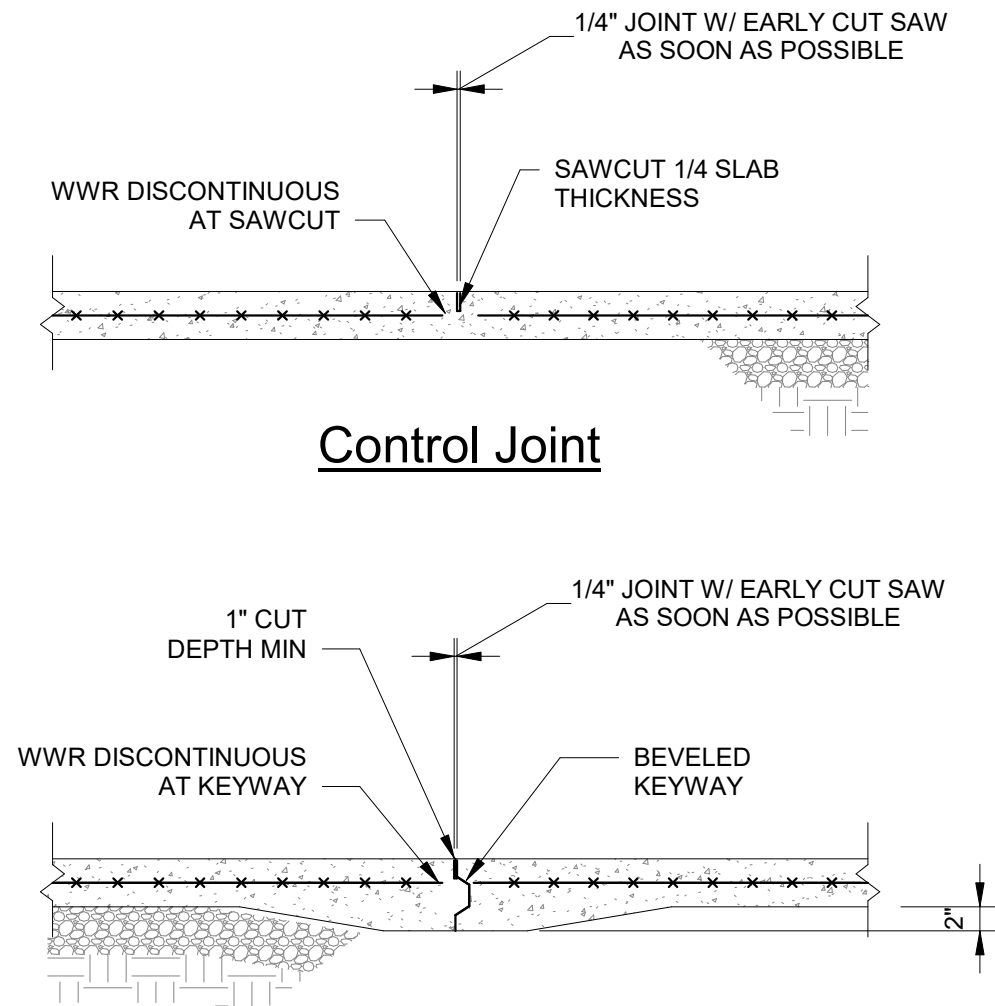
TYPICAL DETAILS

SHEET NUMBER

S-401



1 HSS Column Base and Footing Detail
N.T.S.

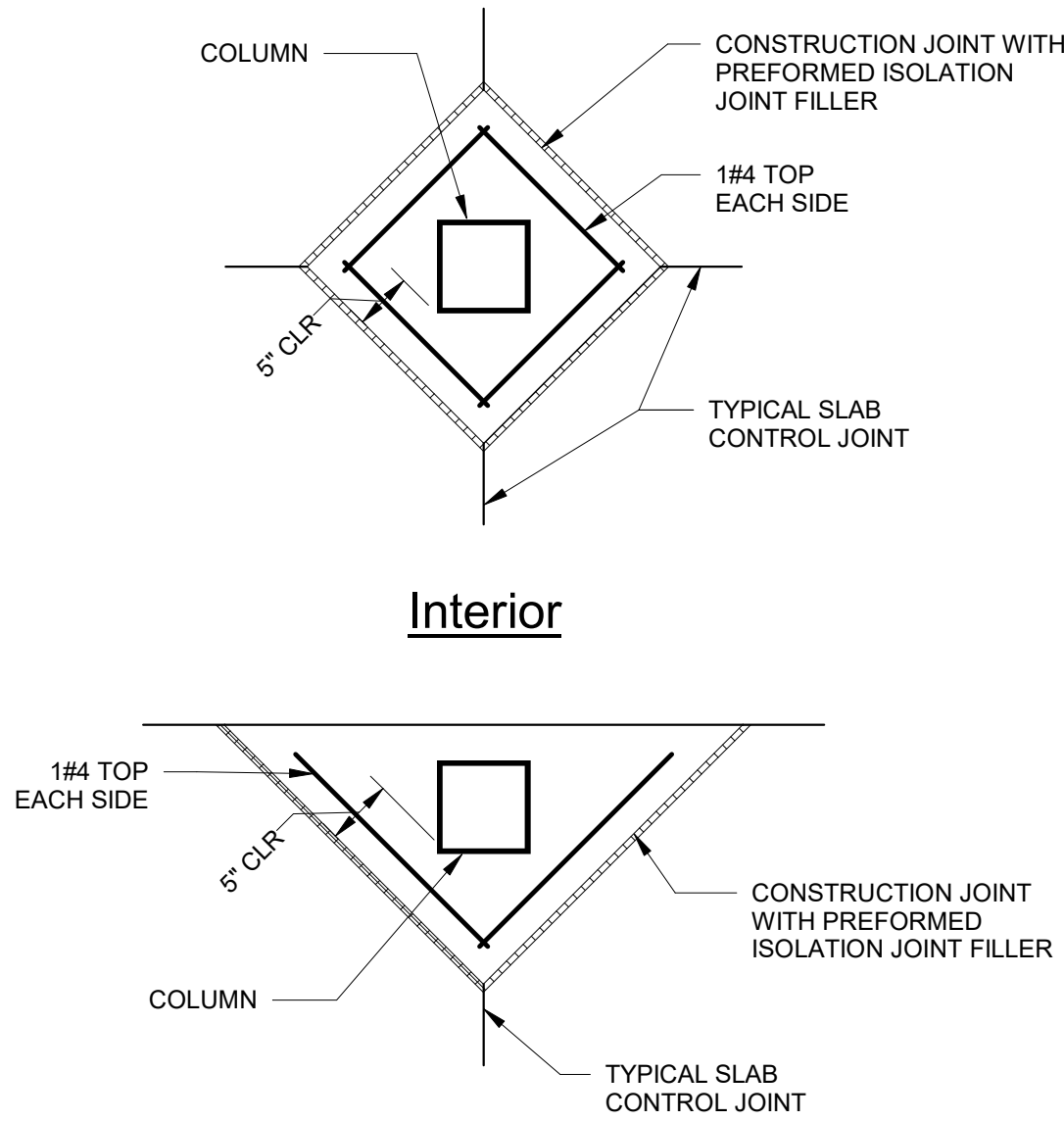


2 Slab Control Joint Details
N.T.S.

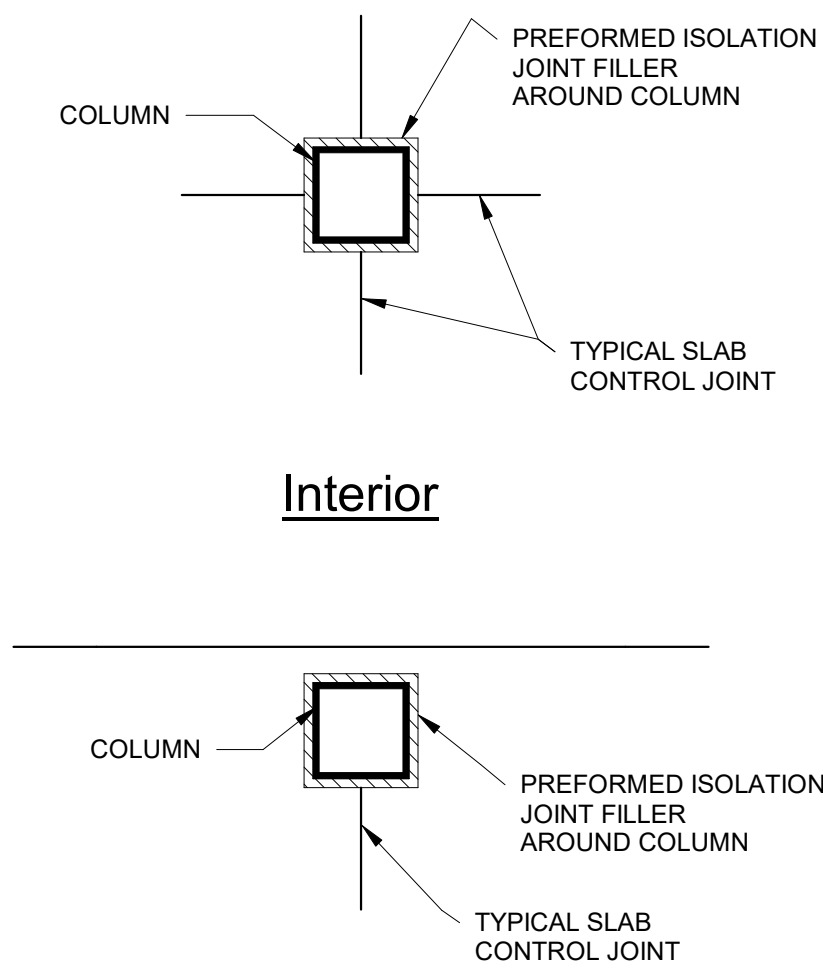
Tension Lap Splice Lengths		
BAR SIZE	$f_c = 3000$	
	TOP BARS	OTHER BARS
#3	28"	22"
#4	37"	29"
#5	47"	36"
#6	56"	43"
#7	81"	63"
#8	93"	72"

NOTES:
1. TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW THE REINFORCEMENT.

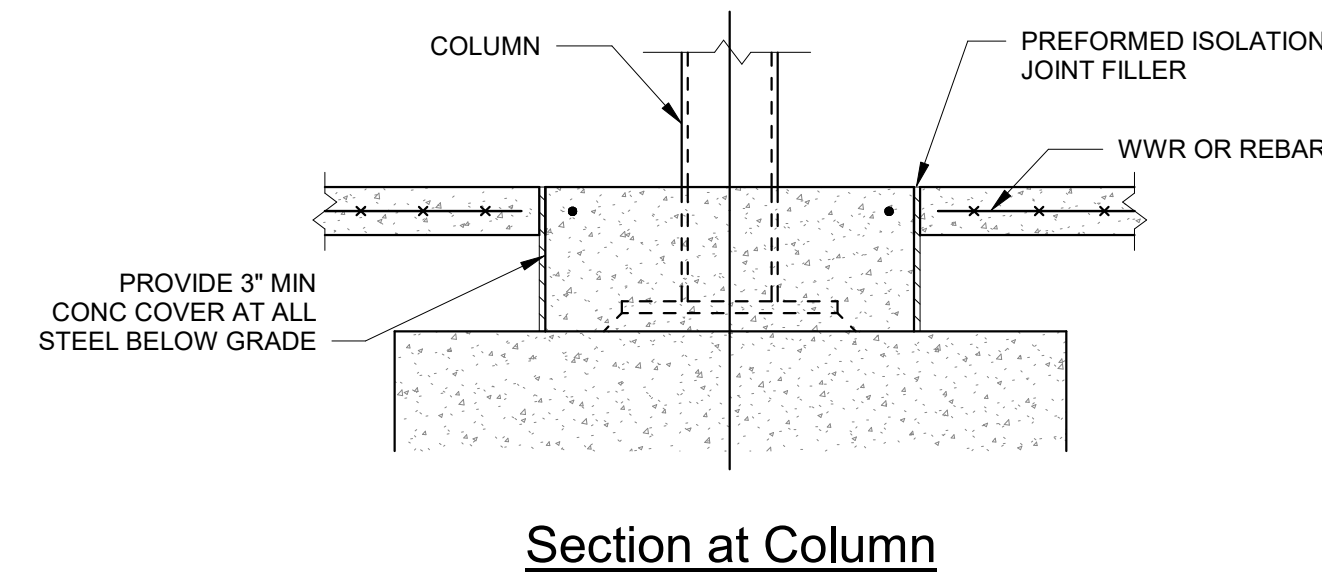
3 Concrete Tension Lap Splice Lengths
N.T.S.



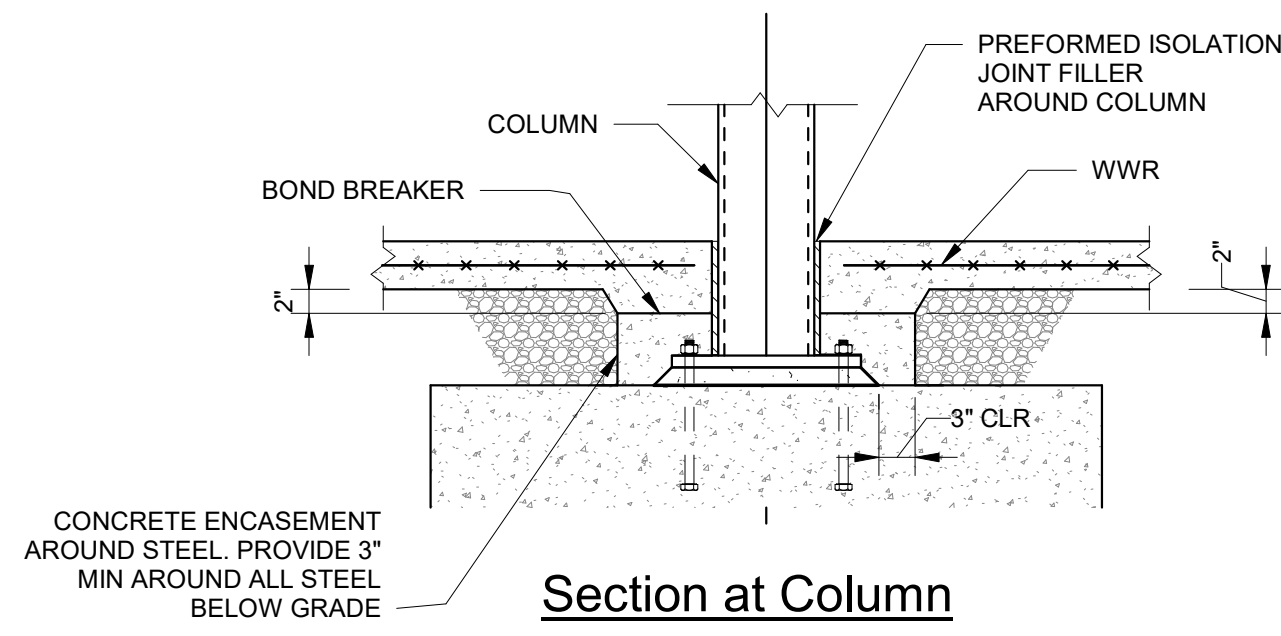
Exterior
Isolation Joint Detail



Exterior
Isolation Joint Detail



Section at Column



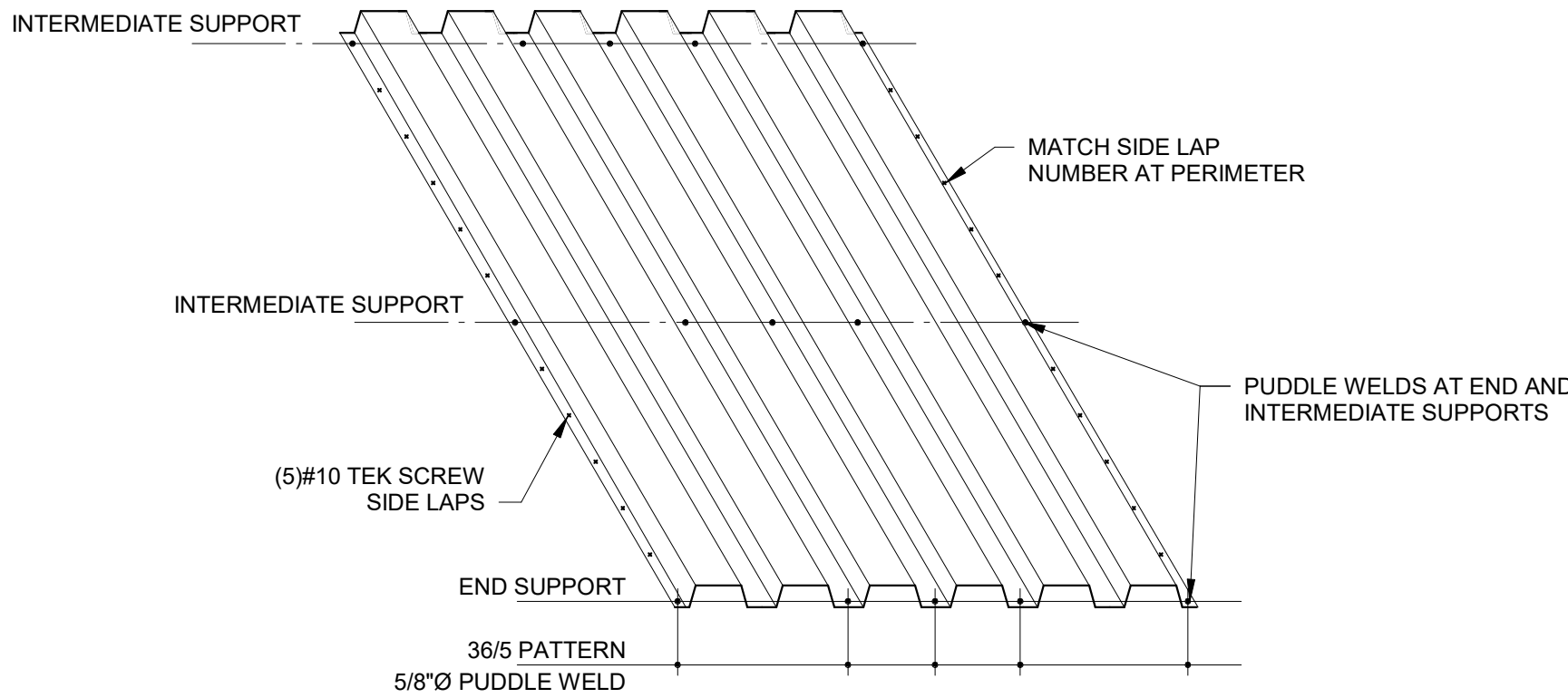
Section at Column

4 Column/Slab-Joint Details
N.T.S.
CONTRACTOR'S OPTION TO USE EITHER JOINT DETAIL

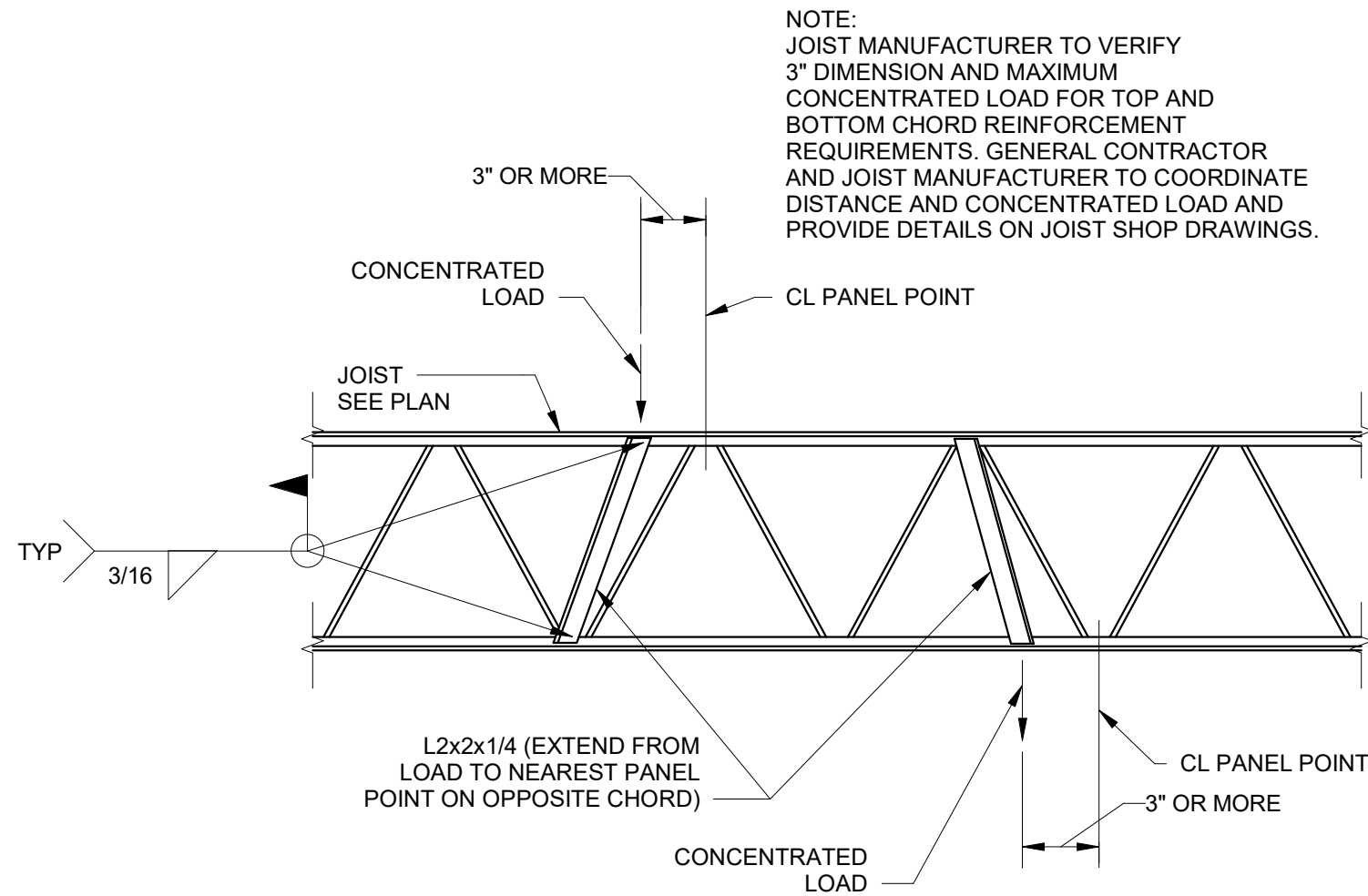
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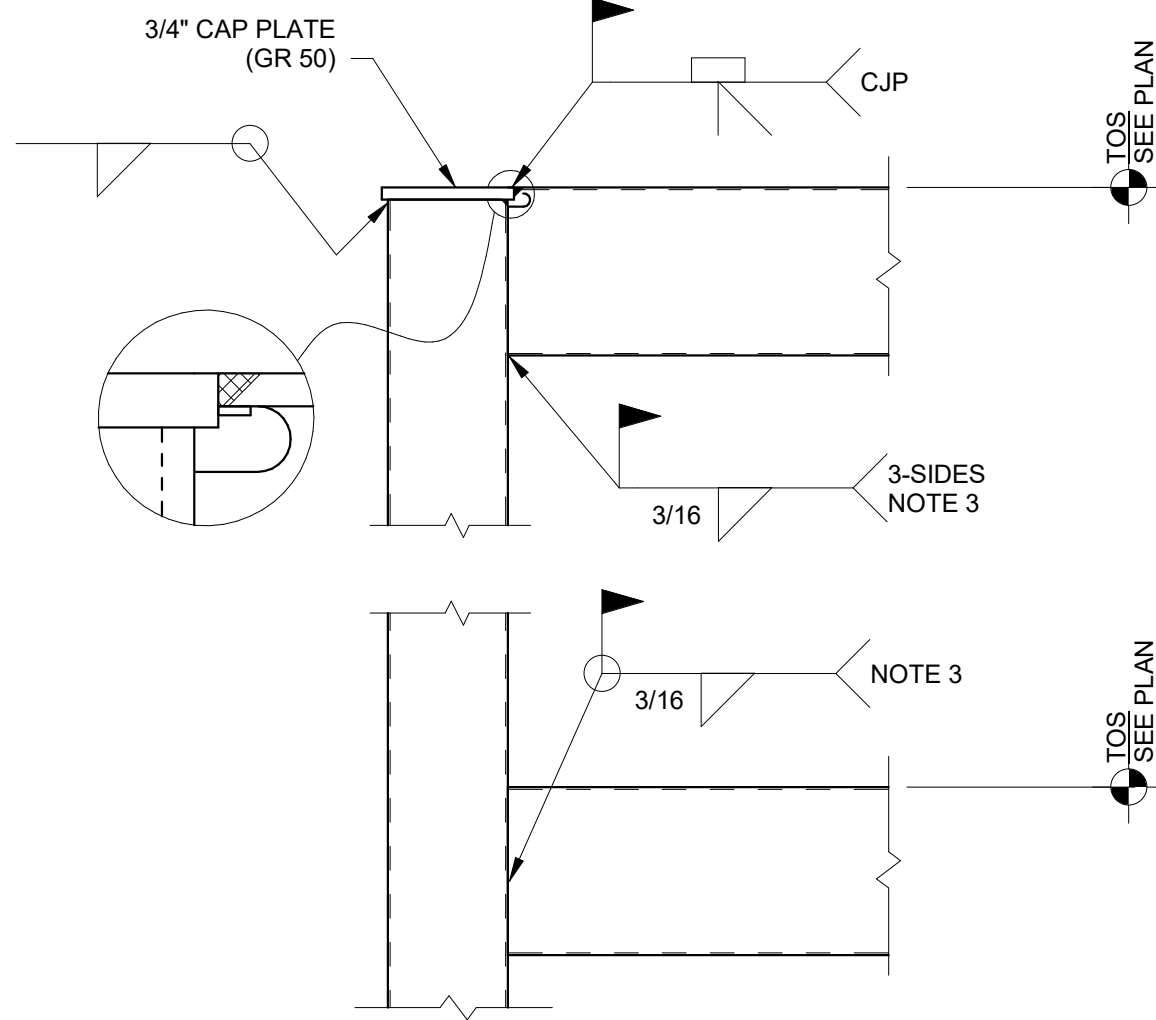
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1 1 1/2" Type B Roof Deck Attachment Detail
N.T.S.

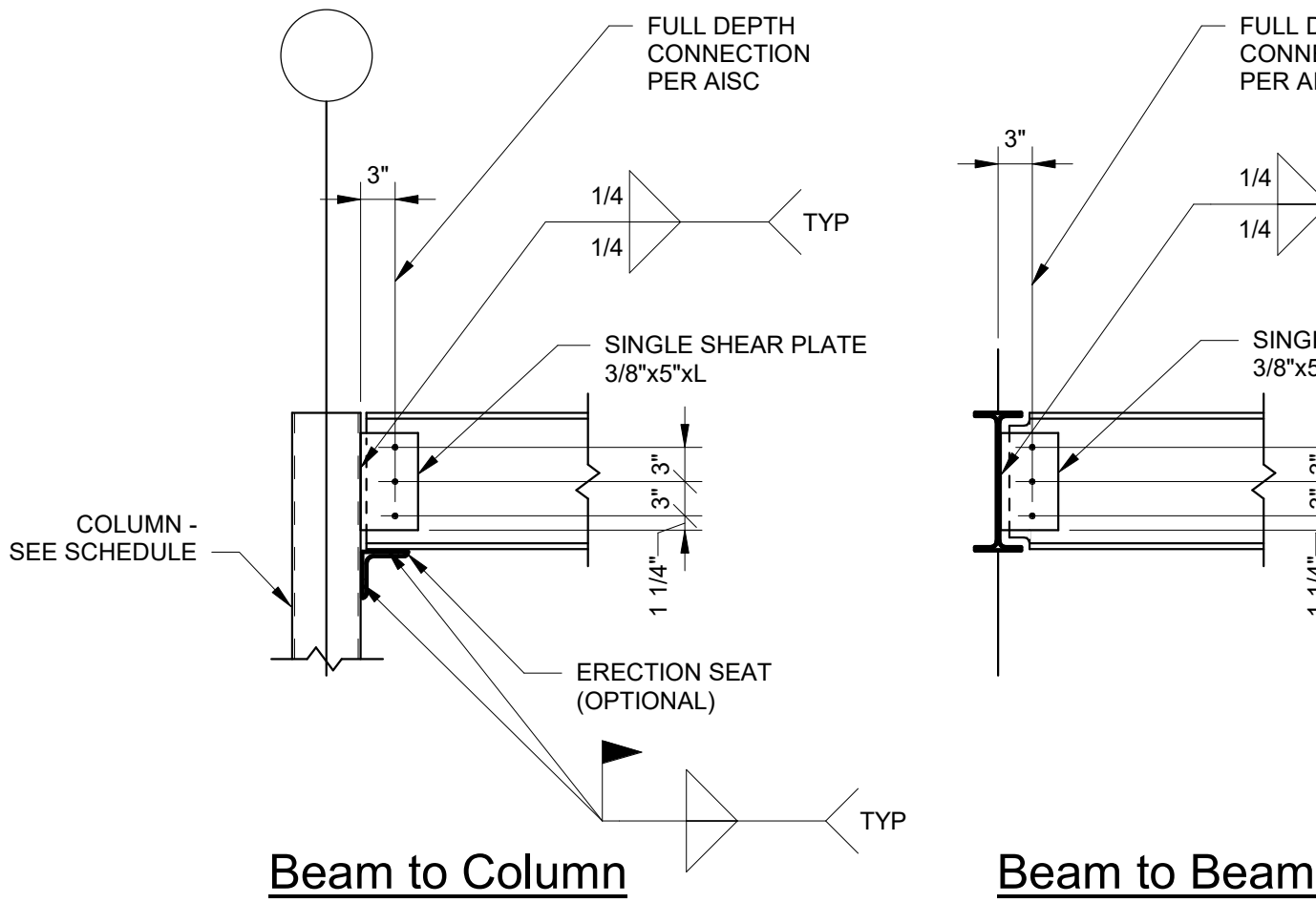


2 Joist Reinforcement Detail
N.T.S.

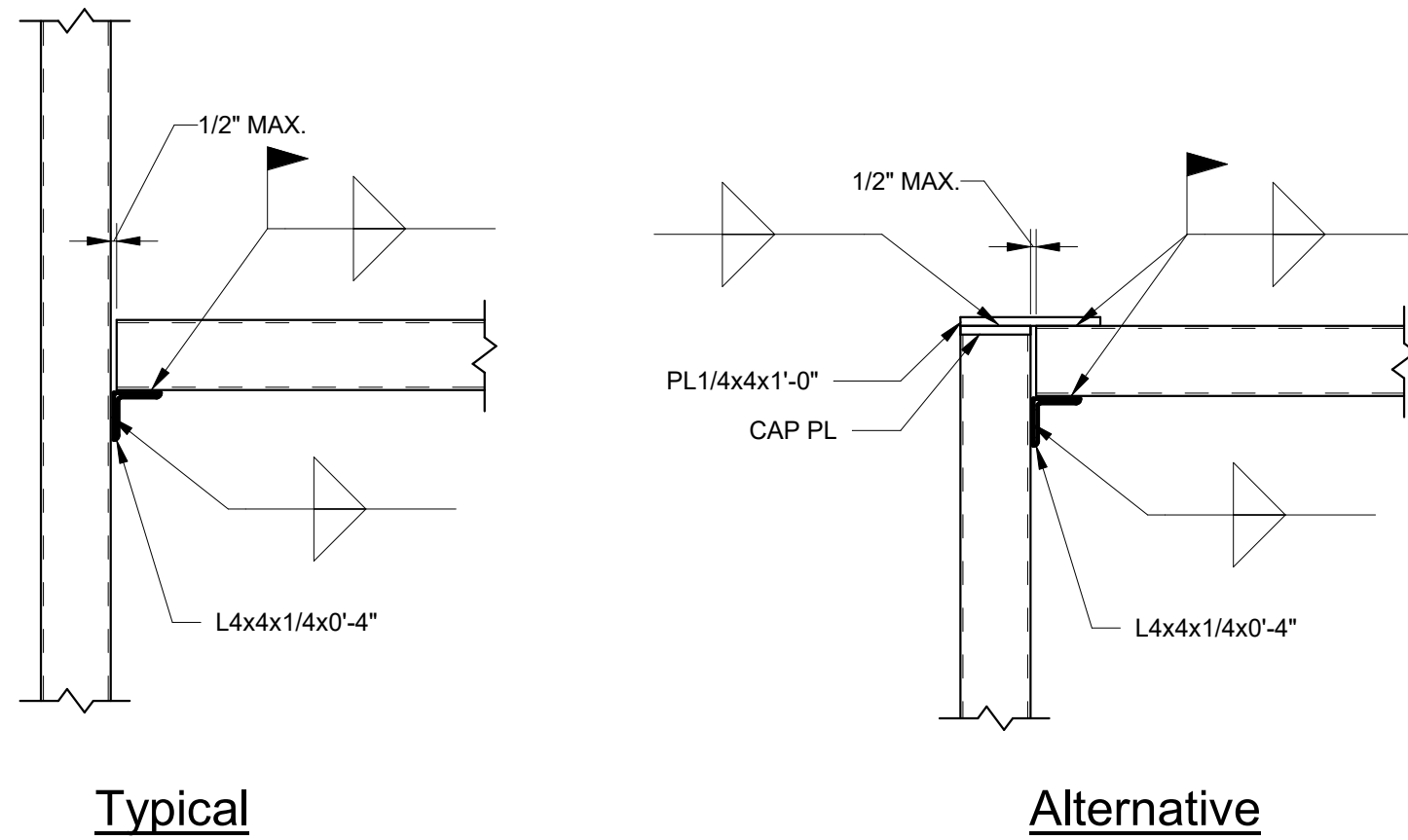


3 HSS Beam - HSS Column Moment Connection
N.T.S.

- NOTES:
1. SEE PLAN FOR MOMENT CONNECTION LOCATIONS.
 2. INCREASE FILLET WELD SIZE FOR GAP.
MAXIMUM GAP PERMITTED = 3/16"
 3. OPTIONAL GROOVE WELD AS REQUIRED BY LOADING.
USE FLARE-BEVEL GROOVE WELD (BTC-P10) ON VERTICAL SIDES IF WIDTHS OF BEAM AND COLUMN ARE EQUAL.
 4. CONNECTION DESIGNER TO CHECK CONCENTRATED LOADS ON SUPPORTING MEMBER & SIZE WELDS.



4 Beam/Column and Beam/Beam Connection Details
N.T.S.



5 HSS Beam - HSS Column Connection
N.T.S.

- NOTES:
1. AT HSS BEAMS DEEPER THAN 8", PROVIDE L4x4 AT TOP AND BOTTOM. IF COLUMN DOES NOT EXTEND ABOVE BEAM, USE ALTERNATIVE.

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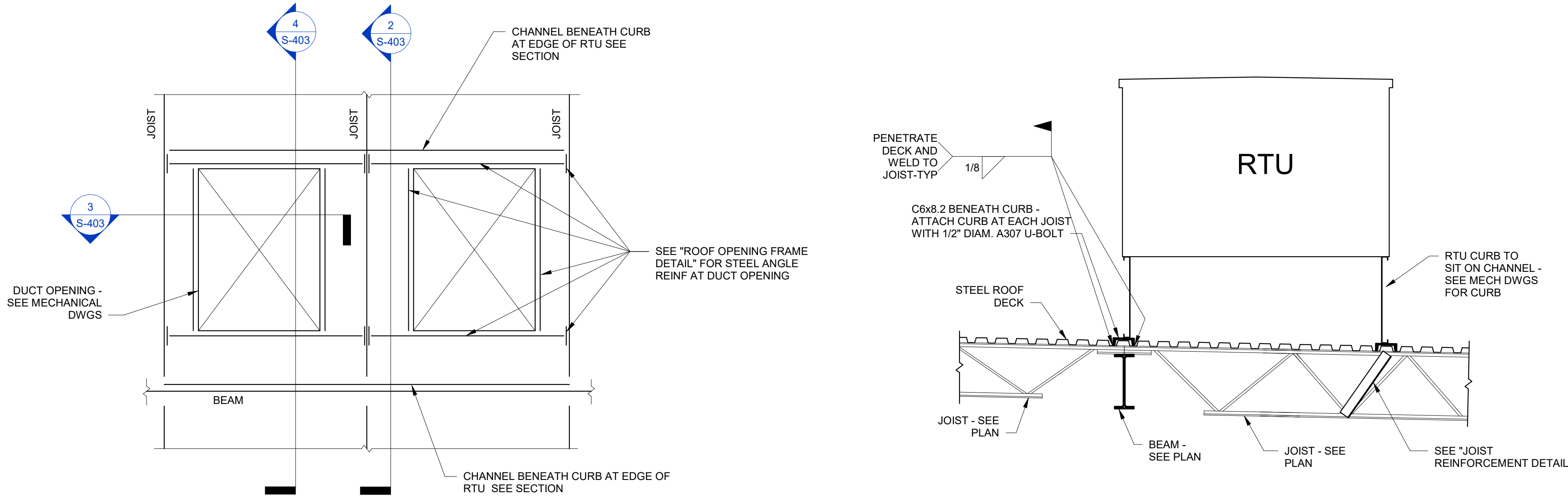
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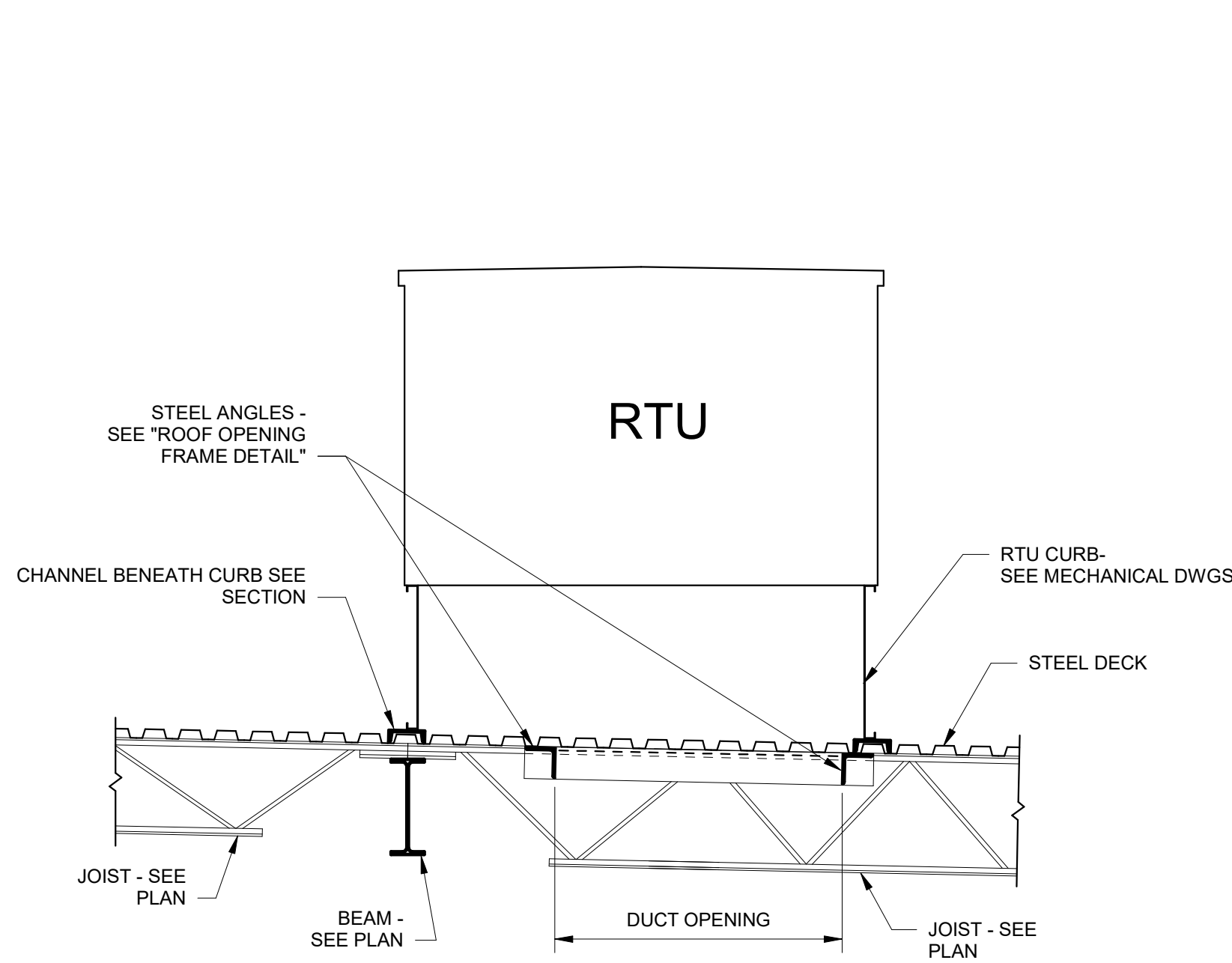
S-403



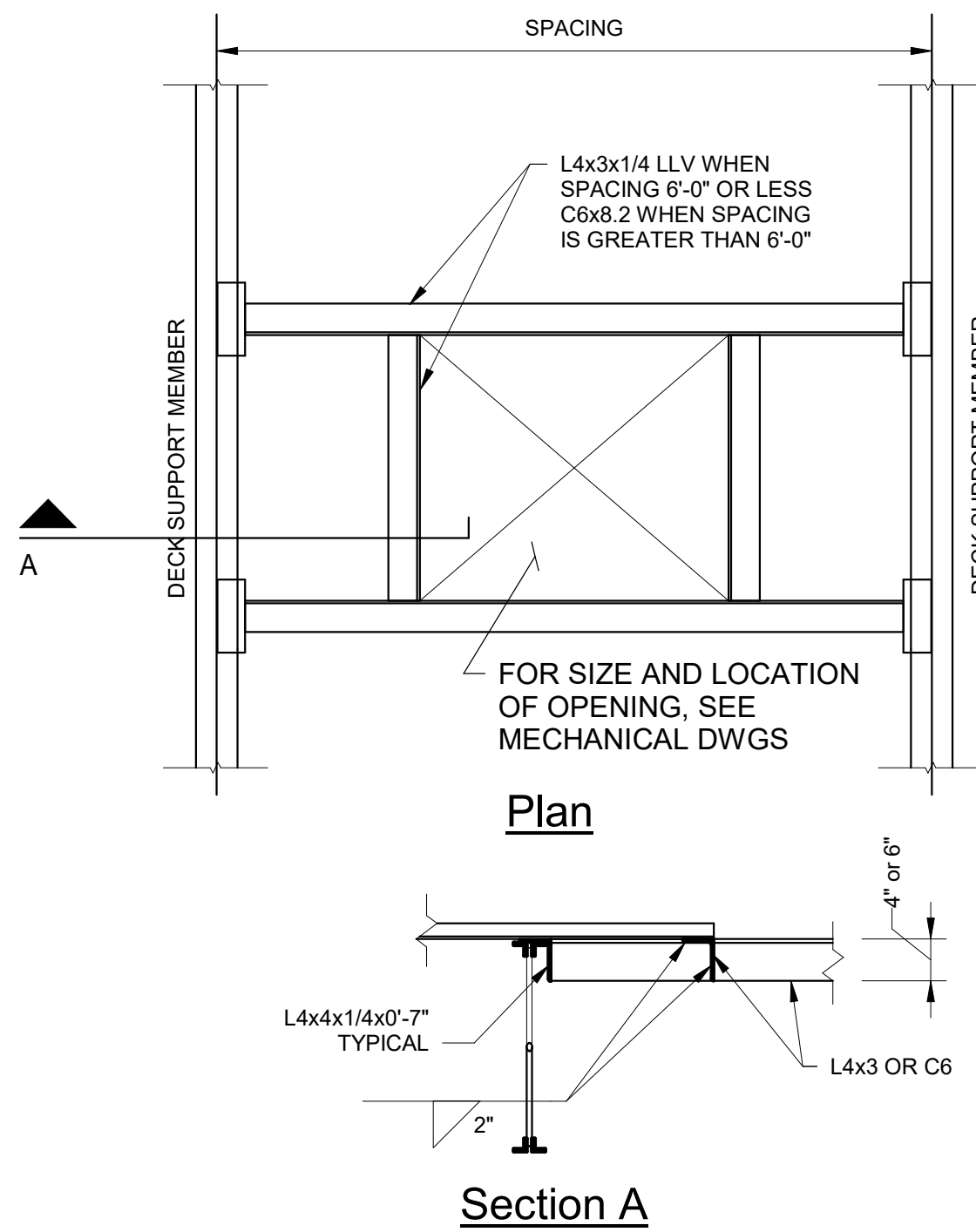
1 Enlarged Roof Plan at RTU
N.T.S.

2 Section
N.T.S.

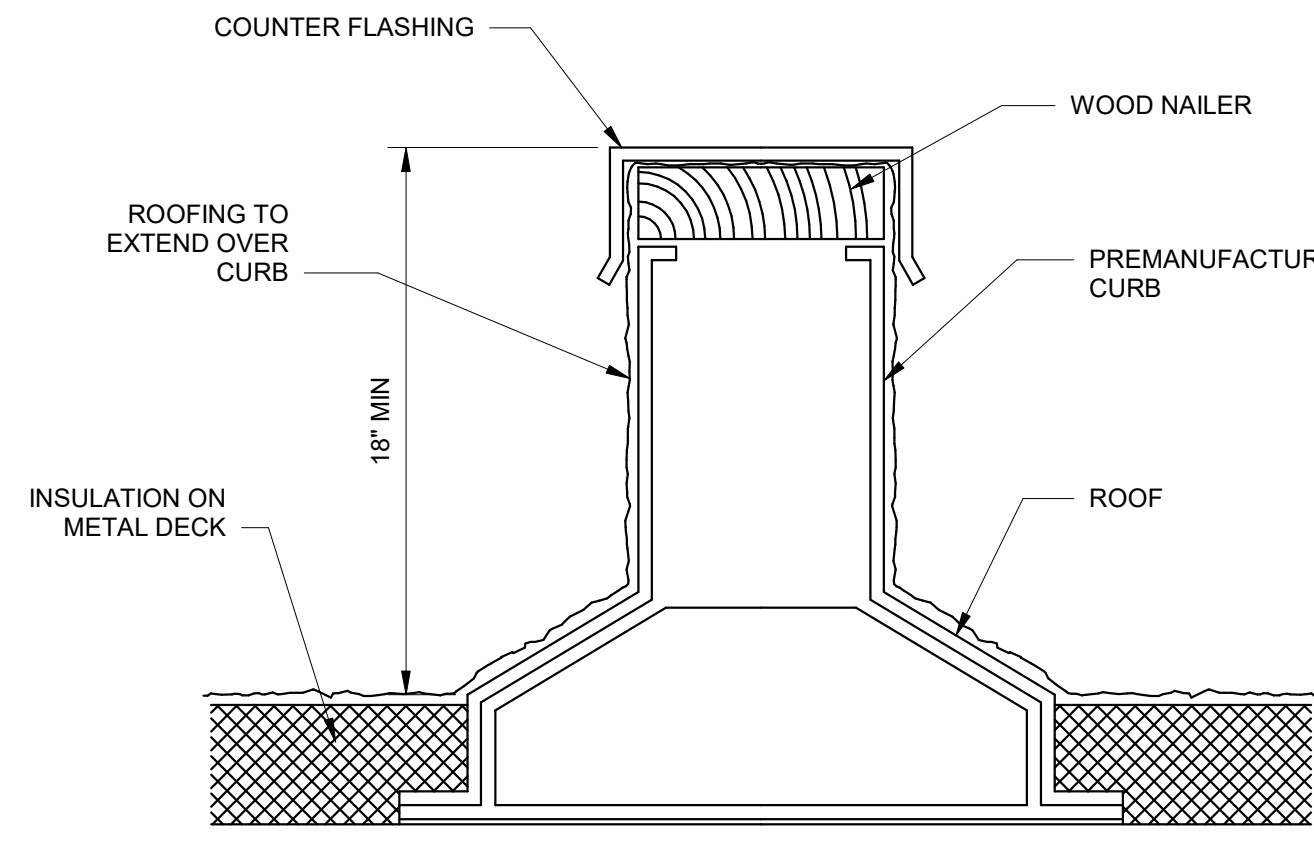
3 Section
N.T.S.



4 Section
N.T.S.



5 Roof Opening Frame Detail
N.T.S.
AT ALL OPENINGS IN ROOF LARGER THAN 8"



NOTES:
1. SECURE CURB TO ROOF AS NOTED BELOW. IF ROOF CONSTRUCTION VARIES, CONTACT STRUCTURAL ENGINEER.
A. AT METAL ROOF DECK, USE #10 TEK SCREWS @ 6" SPACING.

6 Equipment Support Curb
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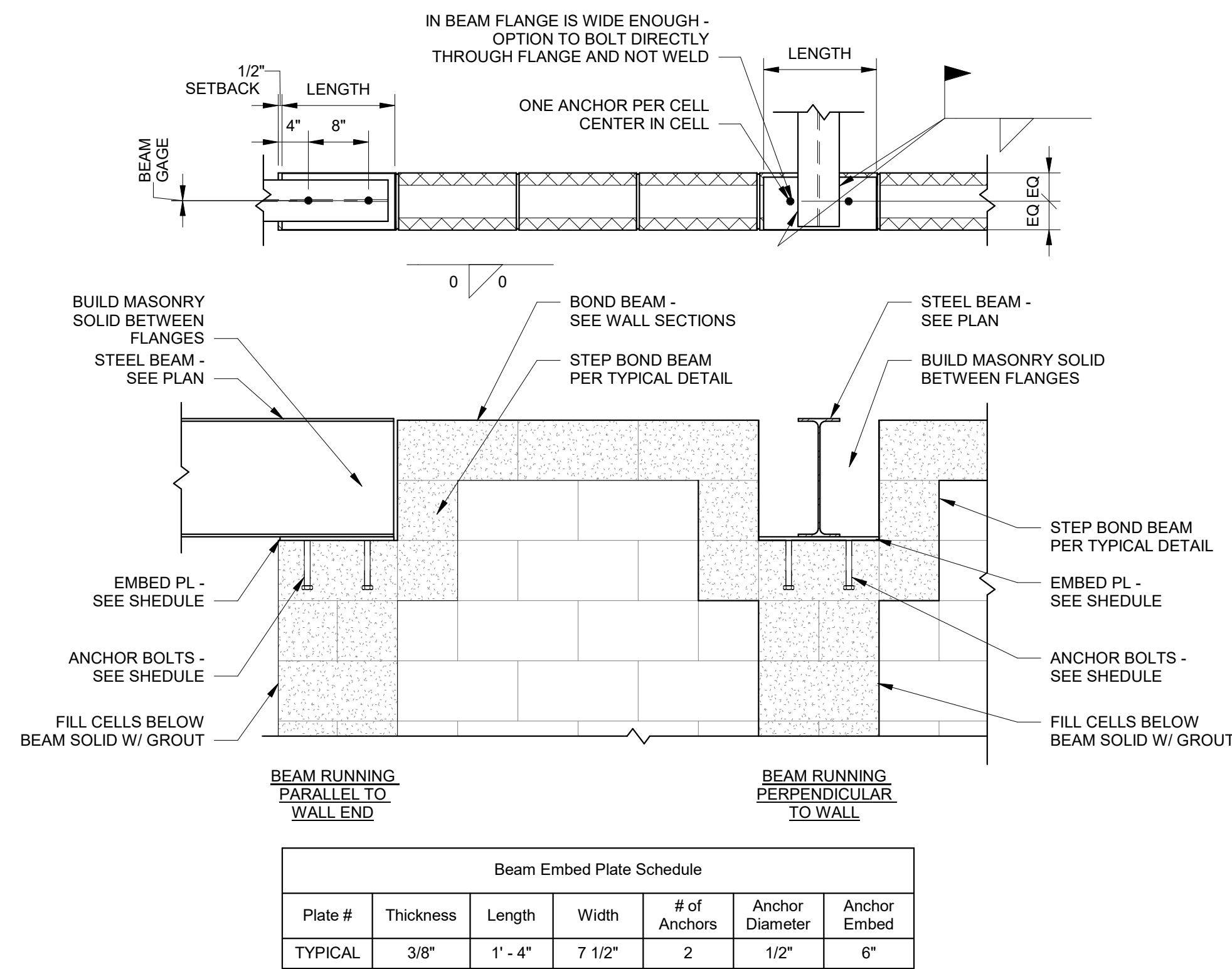
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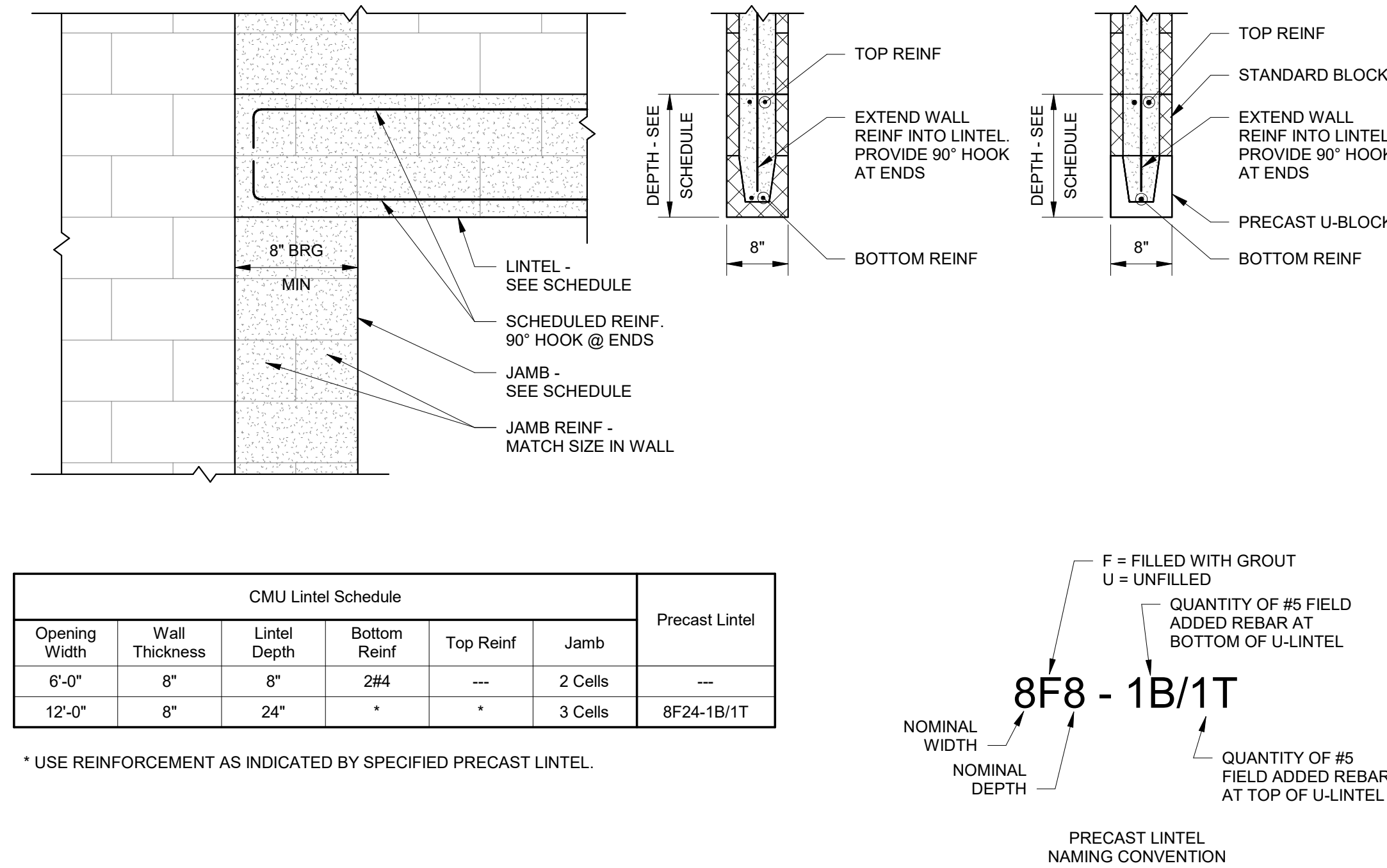
TYPICAL DETAILS

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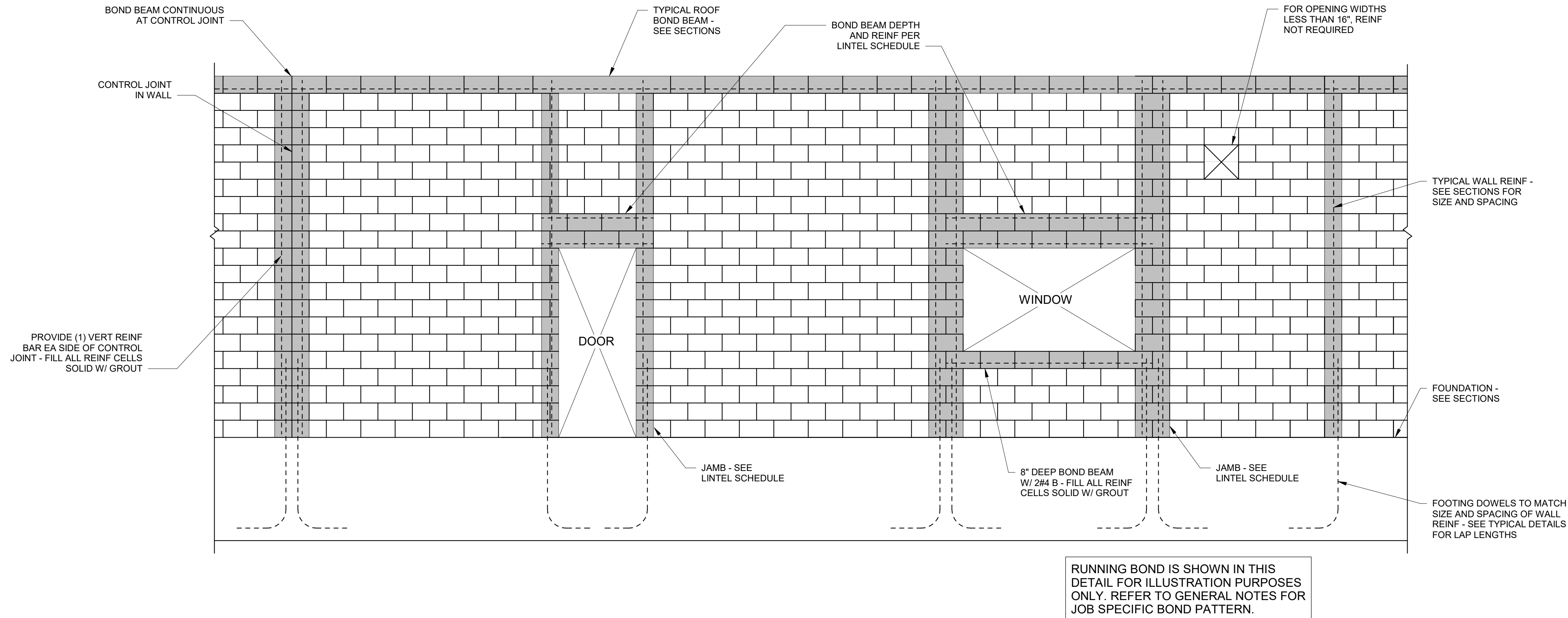
S-404



1 Beam Embed Plate Schedule
N.T.S.



2 Masonry Lintel Detail
N.T.S.



3 Door and Window Opening Reinforcement at Load Bearing Masonry Walls
N.T.S.

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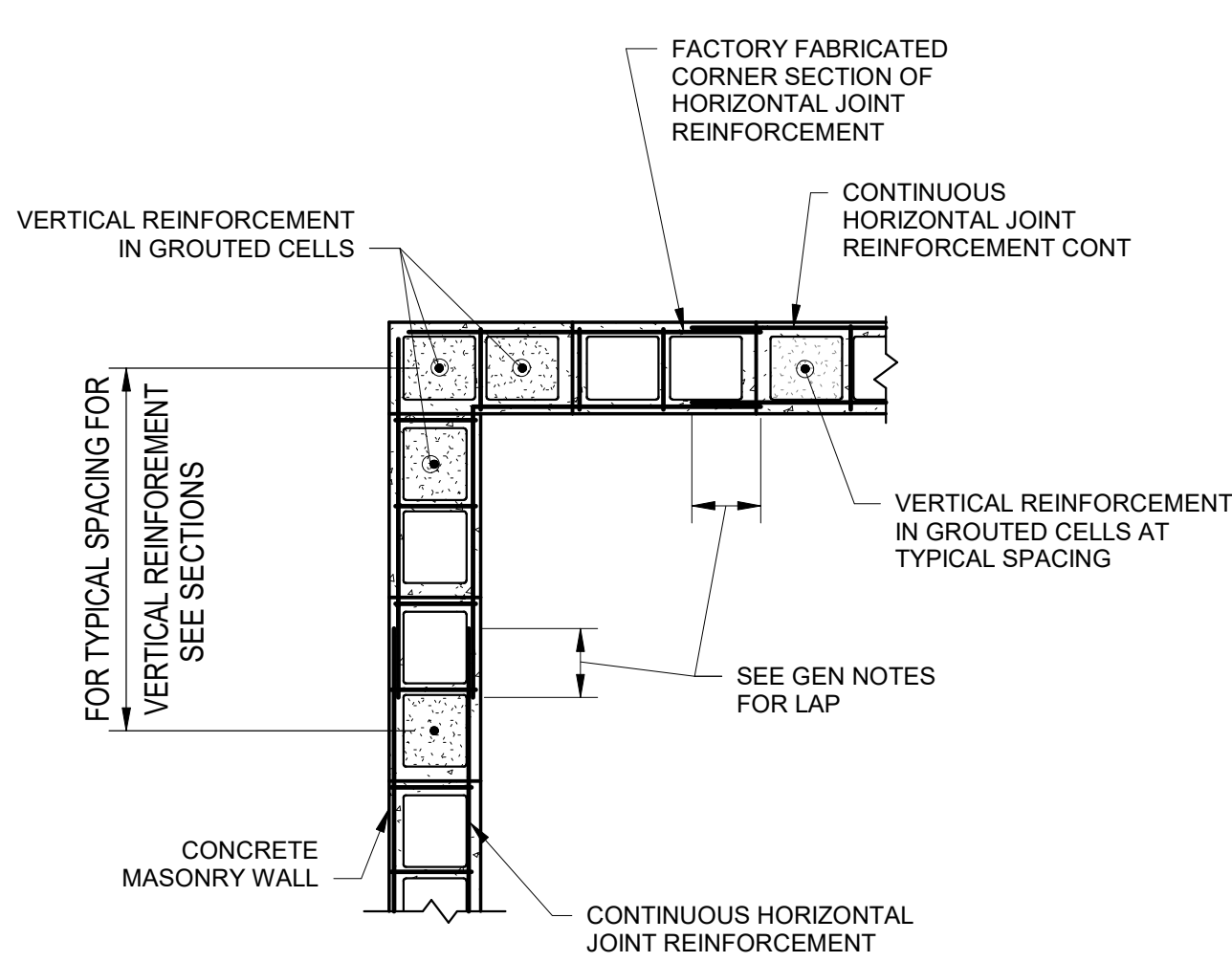
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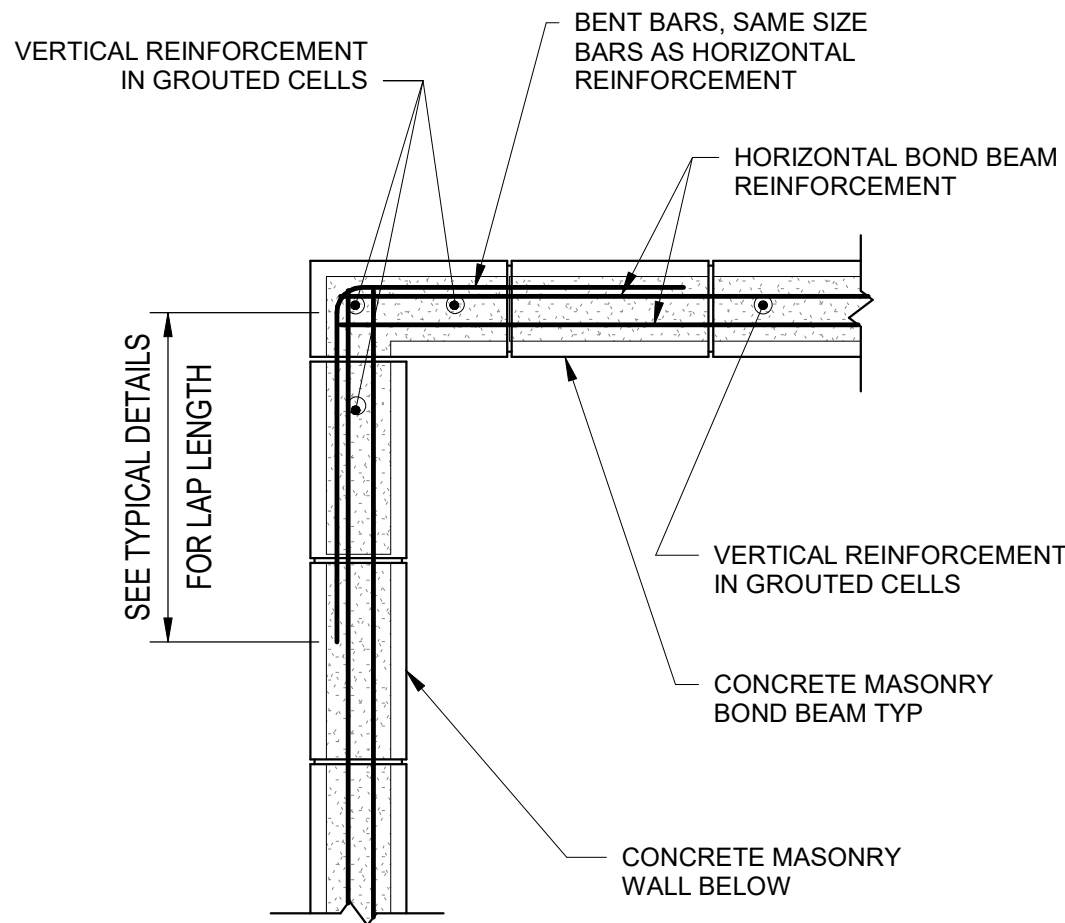
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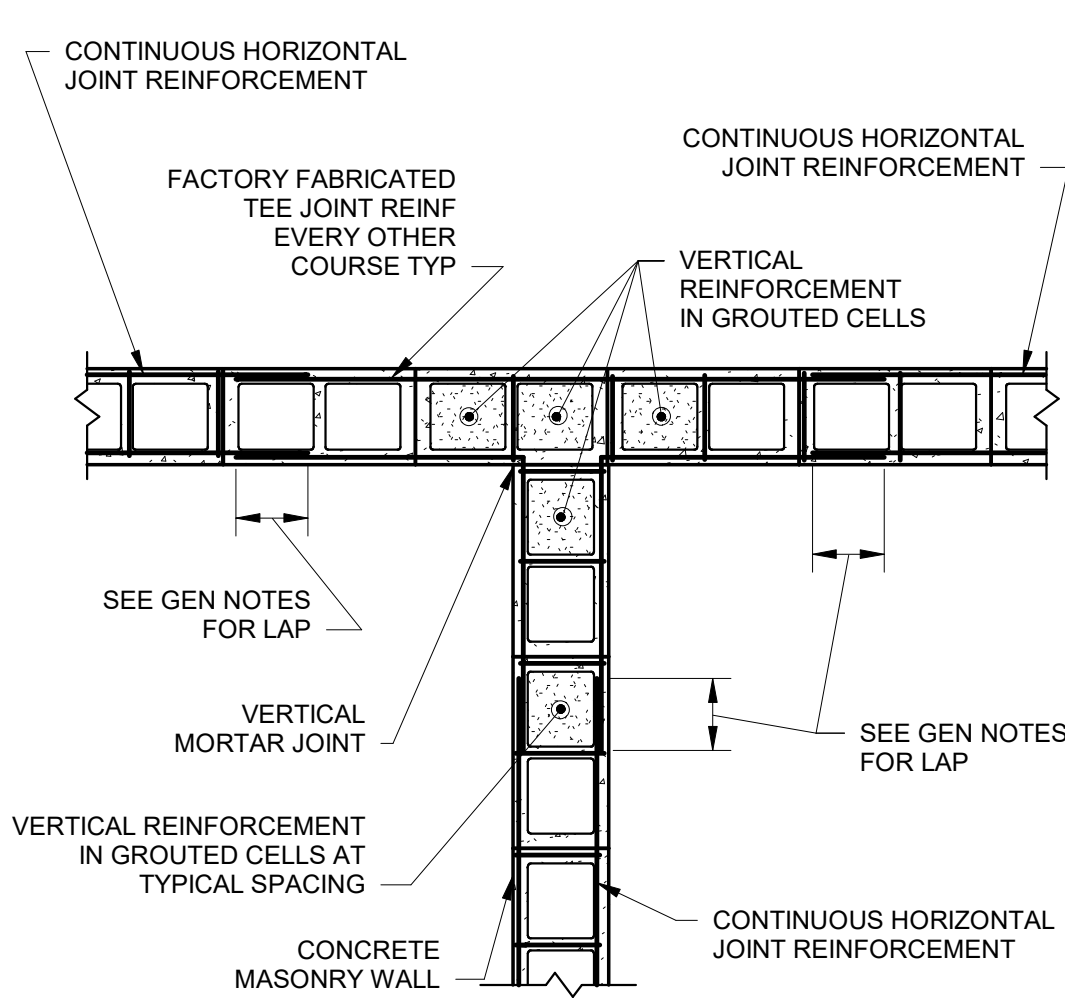
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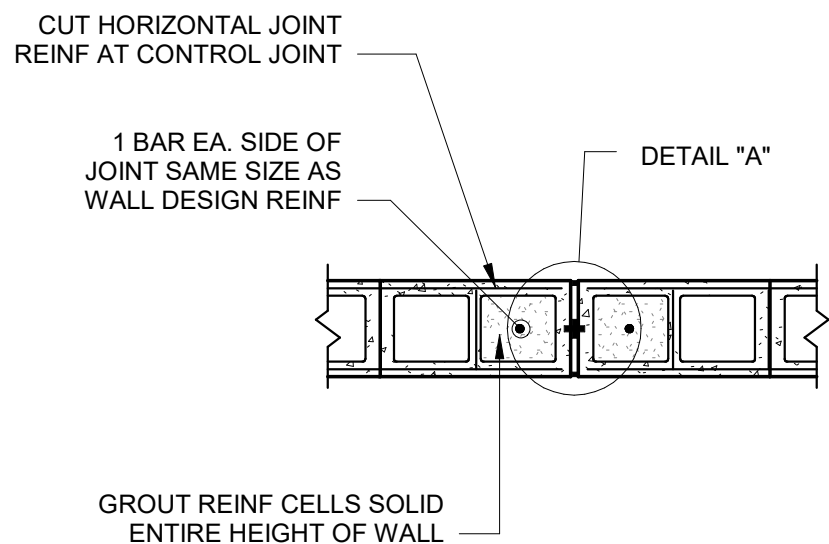
1 Plan Showing Joint Reinforcement at Wll Corner
N.T.S.



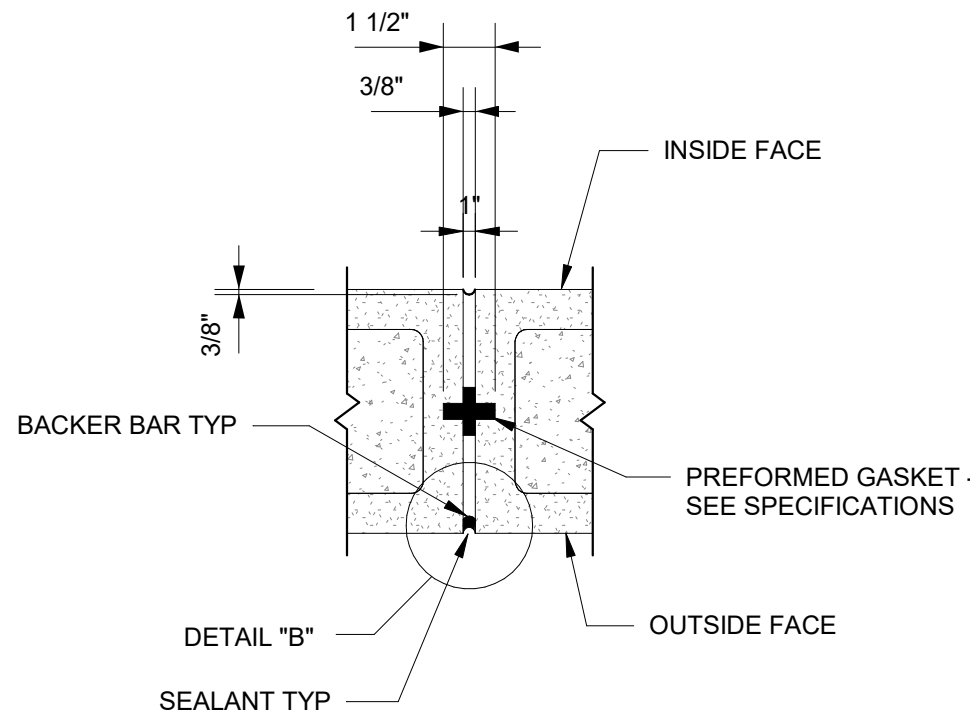
2 Plan Showing Bond Beam Reinforcement at Wall Corner
N.T.S.



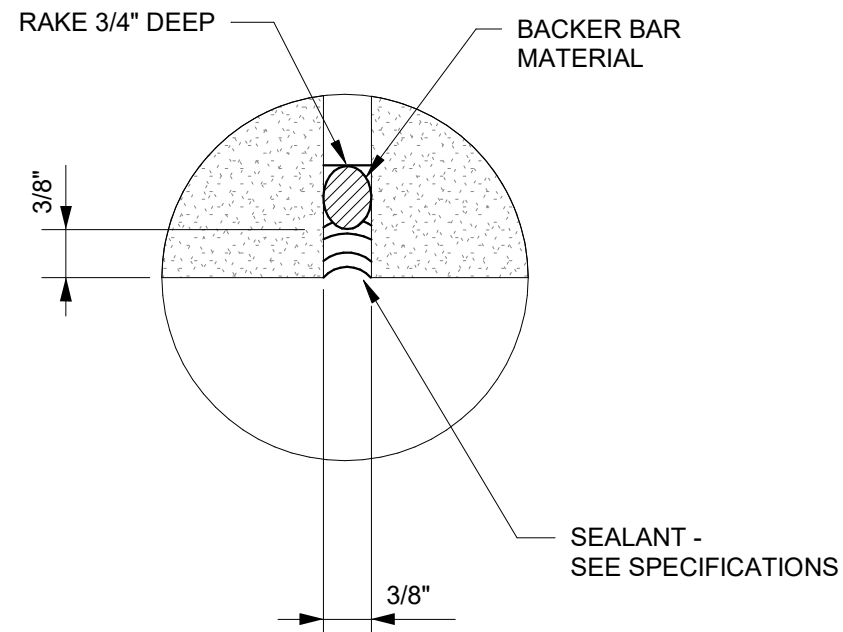
3 Plan Showing Joint Reinforcement at Structural Wall Intersection
N.T.S.



NOTE:
SEE ARCHITECTURAL DRAWINGS FOR CONTROL JOINT LOCATIONS. CONTROL JOINT SPACING NOT TO EXCEED 25'-0" OR 1.5 TIMES THE WALL HEIGHT, WHICHEVER IS LESS.



Detail "A"

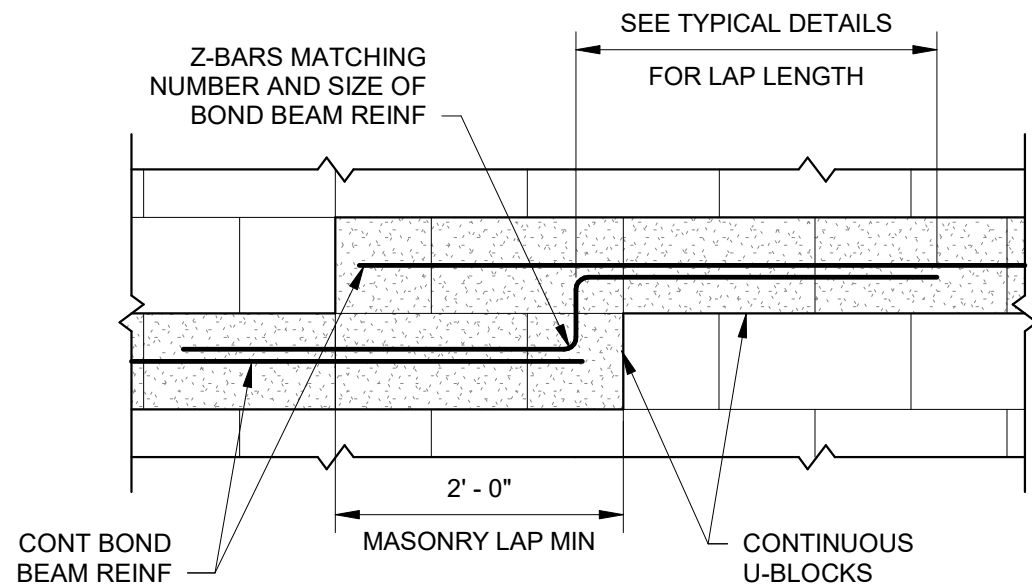


Detail "B"

Masonry Tension Lap Splice Lengths	
BAR SIZE	f'm = 2000
#4	18"
#5	20"
#6	38"
#7	52"

NOTES:
1. THIS TABLE CONTAINS DEVELOPMENT AND SPLICE LENGTHS FOR REINFORCEMENT IN CMU ACCORDING TO ACI 530-13/TMS 402-13/ASCE 5-13.
2. FOR DEVELOPMENT AND SPLICE LENGTHS OF EPOXY COATED BARS, MULTIPLY TABULATED VALUES BY 1.5.
3. WHERE VERTICAL BAR IS INTERRUPTED BY A BEARING PLATE OR OTHER OBSTRUCTION, PROVIDE BACK DOWEL MATCHING VERTICAL REINFORCEMENT W/ 8" MAXIMUM OFFSET.

4 Masonry Tension Lap Splice Lengths
N.T.S.



6 Bond Beam Step Detail
N.T.S.

5 Masonry Control Joint
N.T.S.