

**GENERAL NOTES & DESIGN CRITERIA:**

**CODES:**  
 FLORIDA BUILDING CODE 6th EDITION (2017) BUILDING, ACI-301, ACI-530, ACI-318, ACI-360, ASCE 7-10, AISC 360-10, AWS, SJI, SDI, AISI, ANSI, CRSI, & FIRE RESISTANCE MANUAL (LATEST EDITIONS).

**DESIGN LIMITATIONS:**  
 THIS DESIGN AND THESE DRAWINGS ARE LIMITED TO ONLY THE STRUCTURAL ASPECTS OF THE APPLICABLE CODES. REFER TO OTHER DISCIPLINES FOR NON-STRUCTURAL ISSUES.

**LOADS:**  
**GRAVITY:**  
 ROOF LIVE LOAD: 20 PSF (w/ CODE REDUCTIONS)

**WIND LOAD:**  
 BASIC WIND SPEED, V (ULTIMATE) 136 MPH  
 RISK CATEGORY 3  
 EXPOSURE CATEGORY C  
 INTERNAL PRESSURE COEFFICIENT ±0.18 (ENCLOSED BLDG.)  
 PRESSURES ON COMPONENTS & CLADDING SEE THIS SHEET

**SOILS INFORMATION:**  
 NET SOIL BEARING CAPACITY 2500 PSF  
 SITE PREPARATION & REQUIRED TESTING AS RECOMMENDED BY AGES OF JAX, INC. (AGES JOB No. J18039) REPORT 001 DATED APRIL 4, 2018.

THE GENERAL CONTRACTOR IS RESPONSIBLE TO EMPLOY AN INDEPENDENT QUALIFIED TESTING LABORATORY TO INSPECT EARTHWORK OPERATION AND TEST COMPACTED SOILS AND FOOTING EXCAVATIONS TO INSURE AND CERTIFY THAT THE SOILS SUPPORTING FOOTINGS AND SLABS ARE ADEQUATE TO PROPERLY SUPPORT DESIGN LOADS.

**CONCRETE:**  
 ALL CONCRETE SHALL BE NORMAL WEIGHT w/ A 28 DAY COMPRESSIVE STRENGTH FOR THE FOLLOWING:  
 FOOTINGS 3000 PSI  
 SLABS ON GRADE 3000 PSI  
 BEAMS ABOVE GRADE 3000 PSI  
 REINFORCING STEEL ASTM A615, Grade 60  
 LAPS 48 BAR DIA.  
 WELDED WIRE FABRIC ASTM A1064  
 LAPS (TYPICAL) 6 INCHES  
 MAXIMUM SLUMP 5 INCHES  
 MAXIMUM W/C RATIO 0.45  
 UNLESS OTHERWISE SHOWN ON DRAWINGS, MINIMUM COVER FOR REINFORCING SHALL BE THE FOLLOWING:

CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:	3"
CONCRETE EXPOSED TO EARTH OR WEATHER: #6 THRU #18 BARS: #5 BAR, W31 OR D31 WIRE AND SMALLER:	2" 1 1/2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER: BEAMS, COLUMNS: PRIMARY REINF., TIES, STIRRUPS:	1 1/2"
SLABS-ON-GRADE	1" FROM TOP

A CERTIFIED TESTING AGENCY SHALL BE ENGAGED TO PERFORM INDUSTRY STANDARD TESTING INCLUDING SLUMP TESTS AND CYLINDER BREAKS TO ENSURE CONFORMANCE WITH PLANS & SPECIFICATIONS (IF PROVIDED). SUBMIT REPORTS FOR REVIEW AND APPROVAL.

MINIMUM FREQUENCY OF TESTING FOR EACH CLASS OF CONCRETE IS THE GREATEST OF:  
 A) ONCE EACH DAY.  
 B) ONCE FOR EACH 100 CY  
 C) ONCE FOR EACH 5,000 SF OF SLAB OR WALL SURFACE AREA.  
 D) FIVE TESTS.

ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES IN CONFORMANCE WITH ACI 315 DURING PLACEMENT OF CONCRETE.  
 TOP BARS IN BEAMS SHALL TERMINATE IN A CLASS "C" LAP OR HOOK AT DISCONTINUOUS ENDS UNLESS OTHERWISE SHOWN.  
 PROVIDE 1/4" PRE-MOLDED EXPANSION JOINT MATERIAL WHERE SLAB ON GRADE ABUTS COLUMNS, AND 1/2" JOINT MATERIAL AT WALLS OR OTHER VERTICAL SURFACES UNLESS OTHERWISE SHOWN OR NOTED.

**STRUCTURAL STEEL:**  
 STRUCTURAL STEEL ASTM A36  
 HIGH STRENGTH STRUCTURAL STEEL (WF) ASTM A992, Fy=50 KSI  
 HOLLOW STRUCTURAL STEEL (HSS) ASTM A500, Grade B, Fy=46 KSI  
 ANGLES, PLATES & MISC. STEEL ASTM A36  
 STRUCTURAL BOLTS ASTM A325  
 ANCHOR BOLTS ASTM F1554, Grade 36  
 DEFORMED BAR ANCHORS ASTM A496  
 WASHERS ASTM F436  
 NUTS ASTM A563, Grade "A" HEX.  
 WELDS AWS, SERIES E70XX

ALL FIELD BOLTED CONNECTIONS ARE "SNUG-TIGHT" AS DEFINED IN THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" BY RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC).

ALL BOLTED CONNECTIONS ARE DOUBLE SIDED CLIP ANGLE CONNECTIONS WITH THE MAXIMUM NUMBER OF ROWS OF 3/4" DIAMETER A325 BOLTS, UNLESS OTHERWISE NOTED.  
 BRACE AND MAINTAIN ALL STEEL IN ALIGNMENT UNTIL OTHER PARTS OF CONSTRUCTION NECESSARY FOR PERMANENT SUPPORT ARE COMPLETED. INSTALL TEMPORARY SHORING AS REQUIRED FOR THE STABILITY OF THE STEEL FRAME UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN COMPLETED AND THE BUILDING IS ENCLOSED.

**STEEL JOISTS & JOIST GIRDERS:**  
 PROVIDE BRIDGING, CAMBER & GEOMETRY PER S.J.I.  
 NET UPLIFT SEE SHEET S122  
 WELDS AWS, SERIES E70, LOW HYDROGEN

ALL ITEMS SUSPENDED FROM JOISTS (I.E. CATWALKS, BALCONIES, OPERABLE PARTITIONS, ETC.) SHALL BE INSTALLED AFTER DEAD LOAD HAS BEEN APPLIED.

**STEEL DECK:**

DESCRIPTION	HEIGHT	GAUGE	Ix (IN <sup>4</sup> )	Sx (IN <sup>3</sup> )	FINISH
WIDE RIB ROOF DK.	1 1/2"	20	0.212	0.234	PAINTED

**MASONRY:**  
 CONCRETE BLOCK ASTM C90, f'm=1500 PSI  
 MORTAR ASTM C270  
 TYPICAL WALLS TYPE "S"  
 COMPRESSIVE STRENGTH=1800 PSI

SITE TESTED MORTAR CUBES SHALL ACHIEVE A MINIMUM OF 80% OF THE DESIGN COMPRESSIVE STRENGTH.

GROUT ASTM C476  
 ALL GROUT SHALL BE A SHRINKAGE COMPENSATING, PRE-MIXED TYPE CONSISTING OF NON-METALLIC AGGREGATE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS AND A SLUMP OF 8" TO 11" WITH 3/8" MAX. AGGREGATE.

MASONRY REINFORCING  
 LAPS (TYPICAL U.O.N.) 48 BAR DIAMETERS  
 HORIZ. REINFORCING 9 Gg. MINIMUM, LADDER TYPE  
 DUR-O-WALL OR ENGINEER APPROVED EQUAL

BRICK TIES & MASONRY ANCHORS

BLOCK SHALL NOT BE MOISTENED BEFORE GROUTING.  
 ALL MASONRY CROSS WEBS SHALL BE FULLY BEDDED IN MORTAR AROUND CELLS TO BE GROUTED.  
 GROUT PLACEMENT STOPPED FOR (1) HOUR OR MORE SHOULD BE STOPPED 1 1/2" BELOW THE TOP OF THE MASONRY UNIT TO PROVIDE A KEY FOR SUBSEQUENT GROUTING.  
 UNIFORM LOADS ARE NOT TO BE APPLIED TO MASONRY WALLS FOR (3) DAYS.  
 CONCENTRATED LOADS ARE NOT TO BE APPLIED TO MASONRY WALLS FOR (7) DAYS.  
 VERTICAL REINFORCING MUST HAVE A MINIMUM CLEARANCE OF 3-1/2" TO INSIDE FACE.  
 VERTICAL REINFORCING IN WALLS SHALL BE SECURED AND LATERALLY SUPPORTED AGAINST DISPLACEMENT AT INTERVALS NOT EXCEEDING 192x(BAR DIAMETER) OR 10 FT (WHICHEVER IS LESS) WHENEVER A CLEANOUT IS REQUIRED.

TYPICAL VERTICAL REINFORCING SIZE AND SPACING SHALL BE ABOVE AND BELOW ALL WALL OPENINGS.  
 EXTEND ALL VERTICAL WALL REINFORCEMENT TO WITHIN 2" OF TOP OF WALL OR BEAM UNLESS NOTED OTHERWISE. TERMINATE REINFORCING WITH STANDARD ACI 90 DEGREE HOOK IF ROOF JOISTS AND/OR TRUSSES BEAR ON TOP OF THE WALL AND THERE IS NO PARAPET.  
 TEMPORARY SHORING FOR ALL EXTERIOR MASONRY WALLS SHALL REMAIN IN PLACE & CONNECTED ELIMINATING CANTILEVER ACTION OF THE WALLS UNTIL FINAL CONNECTIONS ARE COMPLETED.

SEE SHEET S002 FOR TYPICAL MASONRY WALL DETAILS.

**MISCELLANEOUS NOTES:**

- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING THAT IS REQUIRED DURING CONSTRUCTION TO KEEP THE STRUCTURE SAFE & PLUMB UNTIL THE ENTIRE STRUCTURE IS ERECTED. BRACING SHOWN ON DRAWINGS IS FOR THE COMPLETED STRUCTURE ONLY.
- ALL STRUCTURAL OPENINGS AROUND OR AFFECTED BY MECHANICAL ELECTRICAL, AND PLUMBING EQUIPMENT SHALL BE VERIFIED WITH EQUIPMENT PURCHASED BEFORE PROCEEDING WITH STRUCTURAL WORK.
- VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
- IF FOOTING ELEVATIONS SHOWN OCCUR IN DISTURBED, UNSTABLE OR UNSUITABLE SOIL, THE ENGINEER SHALL BE NOTIFIED.
- THE GENERAL CONTRACTOR SHALL COORDINATE THE DRAWINGS FOR ALL DISCIPLINES FOR ANCHORED, EMBEDDED, AND SUPPORTED ITEMS WHICH AFFECT THE STRUCTURAL DRAWINGS AND NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES.

**STRUCTURE MAINTENANCE STATEMENT:**  
 ALL STRUCTURES REQUIRE PERIODIC MAINTENANCE TO EXTEND LIFESPAN AND TO ENSURE STRUCTURAL INTEGRITY FROM EXPOSURE TO THE ENVIRONMENT. A PLANNED PROGRAM OF MAINTENANCE SHALL BE ESTABLISHED BY THE STRUCTURE OWNER. THIS PROGRAM SHALL INCLUDE SUCH ITEMS SUCH AS BUT NOT LIMITED TO PAINTING OF STRUCTURAL STEEL, PROTECTIVE COATING FOR CONCRETE, SEALANTS, CALKED JOINTS, CONTROL JOINTS, SPALLS AND CRACKS IN CONCRETE, AND PRESSURE WASHING OF EXPOSED STRUCTURAL ELEMENTS EXPOSED TO A SALT ENVIRONMENT OR OTHER HARSH CHEMICALS.

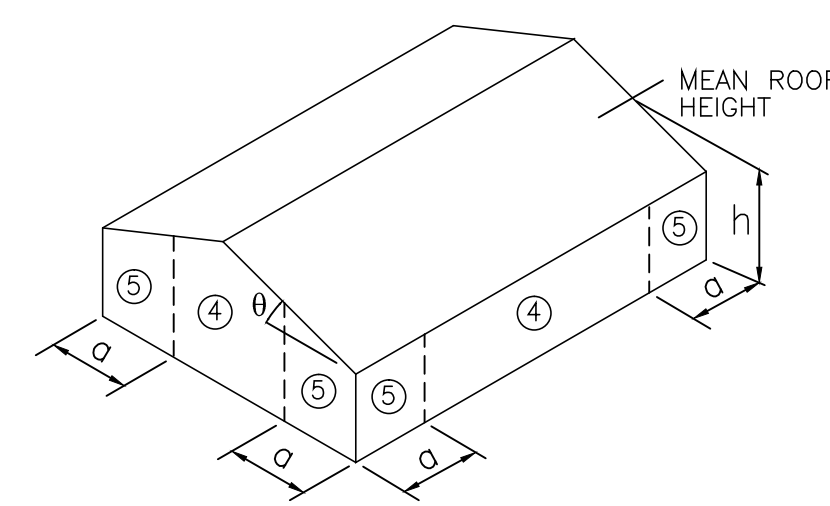
**DESIGN PRESSURES:**

**DESIGN PRESSURES FOR WALL COMPONENTS & CLADDING**

AREA	10 SQ. FT.		20 SQ. FT.		30 SQ. FT.	
	MAXIMUM POSITIVE	MAXIMUM NEGATIVE	MAXIMUM POSITIVE	MAXIMUM NEGATIVE	MAXIMUM POSITIVE	MAXIMUM NEGATIVE
INTERIOR	22.4	-25.6	21.4	-24.5	20.8	-23.9
EXTERIOR	22.4	-31.5	21.4	-29.4	20.8	-28.2
AREA	40 SQ. FT.		50 SQ. FT.		60 SQ. FT.	
INTERIOR	20.4	-23.5	20.1	-23.2	19.9	-22.9
EXTERIOR	20.4	-27.3	20.1	-26.7	19.9	-26.1
AREA	70 SQ. FT.		80 SQ. FT.		90 SQ. FT.	
INTERIOR	19.6	-22.7	19.5	-22.5	19.3	-22.3
EXTERIOR	19.6	-25.7	19.5	-25.3	19.3	-24.9
AREA	100 SQ. FT.		120 SQ. FT.		140 SQ. FT.	
INTERIOR	19.1	-22.1	18.9	-21.9	18.7	-21.6
EXTERIOR	19.1	-24.6	18.9	-24.0	18.7	-23.5
AREA	160 SQ. FT.		180 SQ. FT.		200 SQ. FT.	
INTERIOR	18.5	-21.4	18.3	-21.2	18.1	-21.1
EXTERIOR	18.5	-23.1	18.3	-22.8	18.1	-22.5

Width of End Zone = 8.20 feet from corners

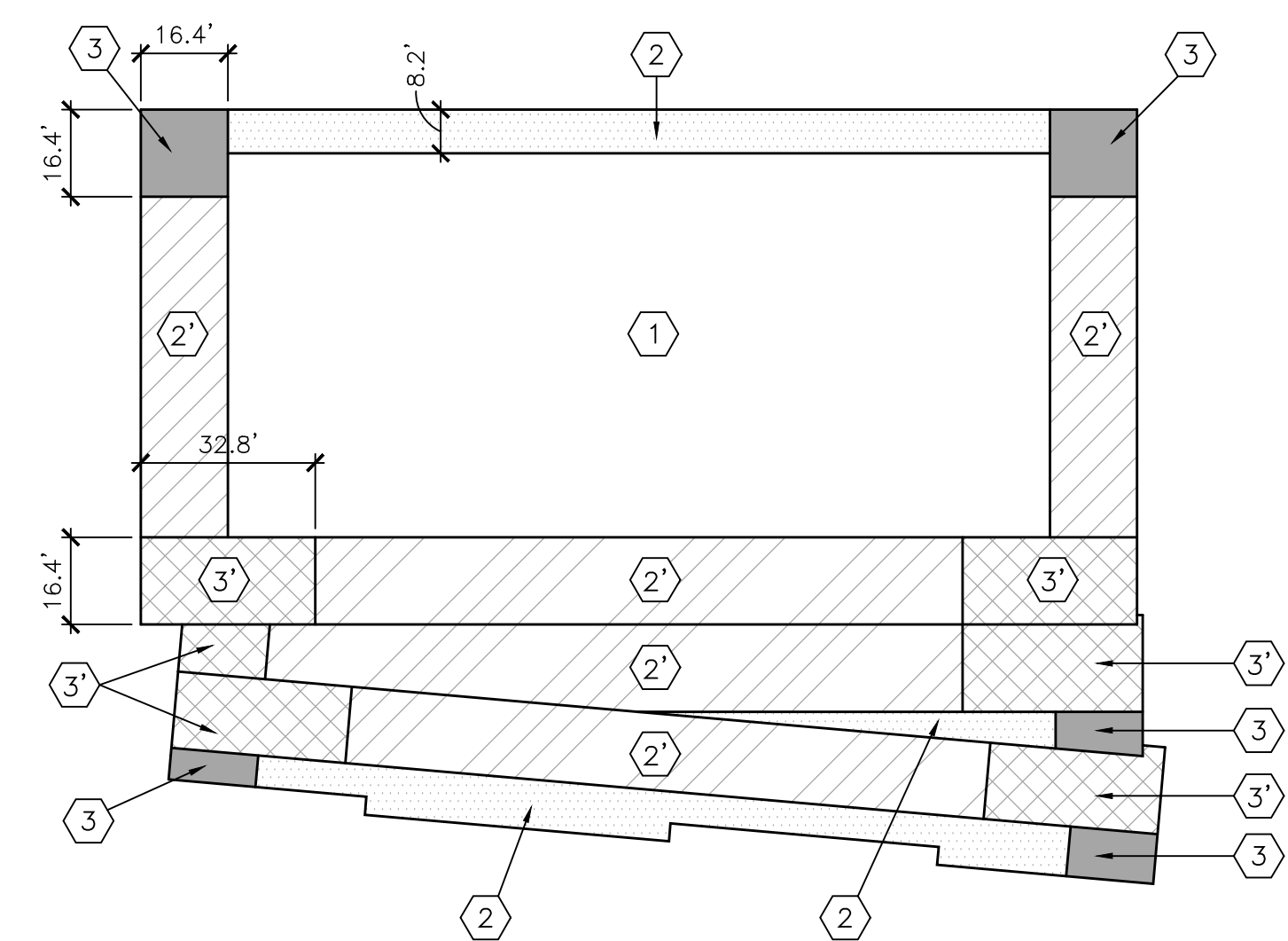
**NOTES:**  
 1. INTERIOR REFERS TO ZONE 4.  
 2. EXTERIOR REFERS TO ZONE 5.  
 3. ALL PRESSURES IN THE TABLE ABOVE ARE ALLOWABLE STRESS.



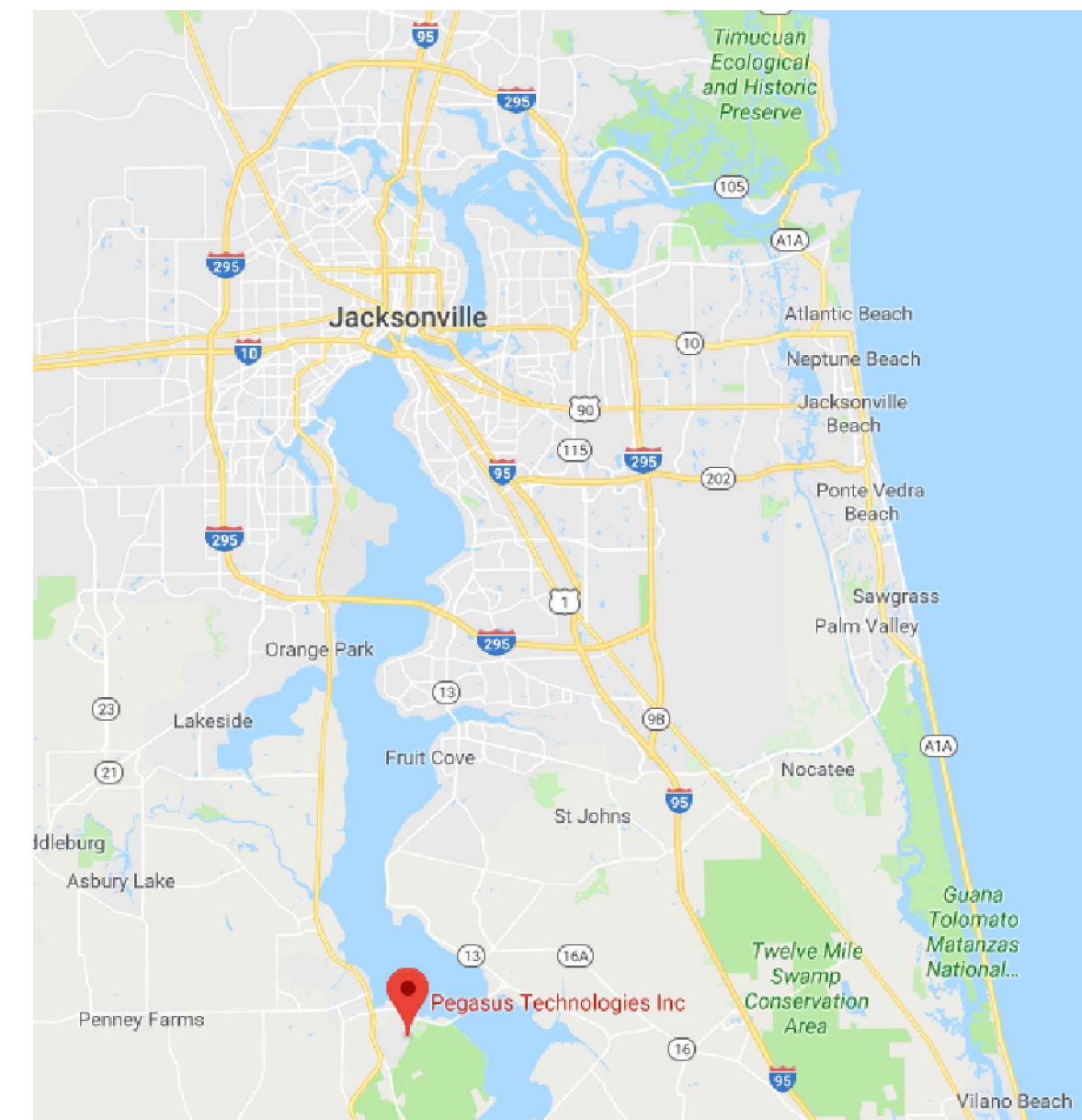
**DESIGN PRESSURES FOR ROOF COMPONENTS & CLADDING**

AREA	ZONE							OVERHANG	
	ALL ZONES (+)	1(-)	2(-)	3(-)	2'(-)	3'(-)	2'(-)	3'(-)	
10 SQ. FT.	10.4	-27.8	-32.1	-43.0	-38.6	-60.3	-51.6	-84.2	
20 SQ. FT.	10.0	-27.8	-31.0	-39.1	-38.2	-53.8	-51.6	-76.6	
50 SQ. FT.	10.0	-27.8	-30.4	-33.9	-37.5	-45.1	-51.6	-65.7	
100 SQ. FT.	10.0	-27.8	-29.9	-29.9	-36.5	-38.6	-51.6	-58.1	
200 SQ. FT.	10.0	-27.8	-29.9	-29.9	-36.5	-38.6	-51.6	-58.1	
500 SQ. FT.	10.0	-27.8	-29.9	-29.9	-36.5	-38.6	-51.6	-58.1	

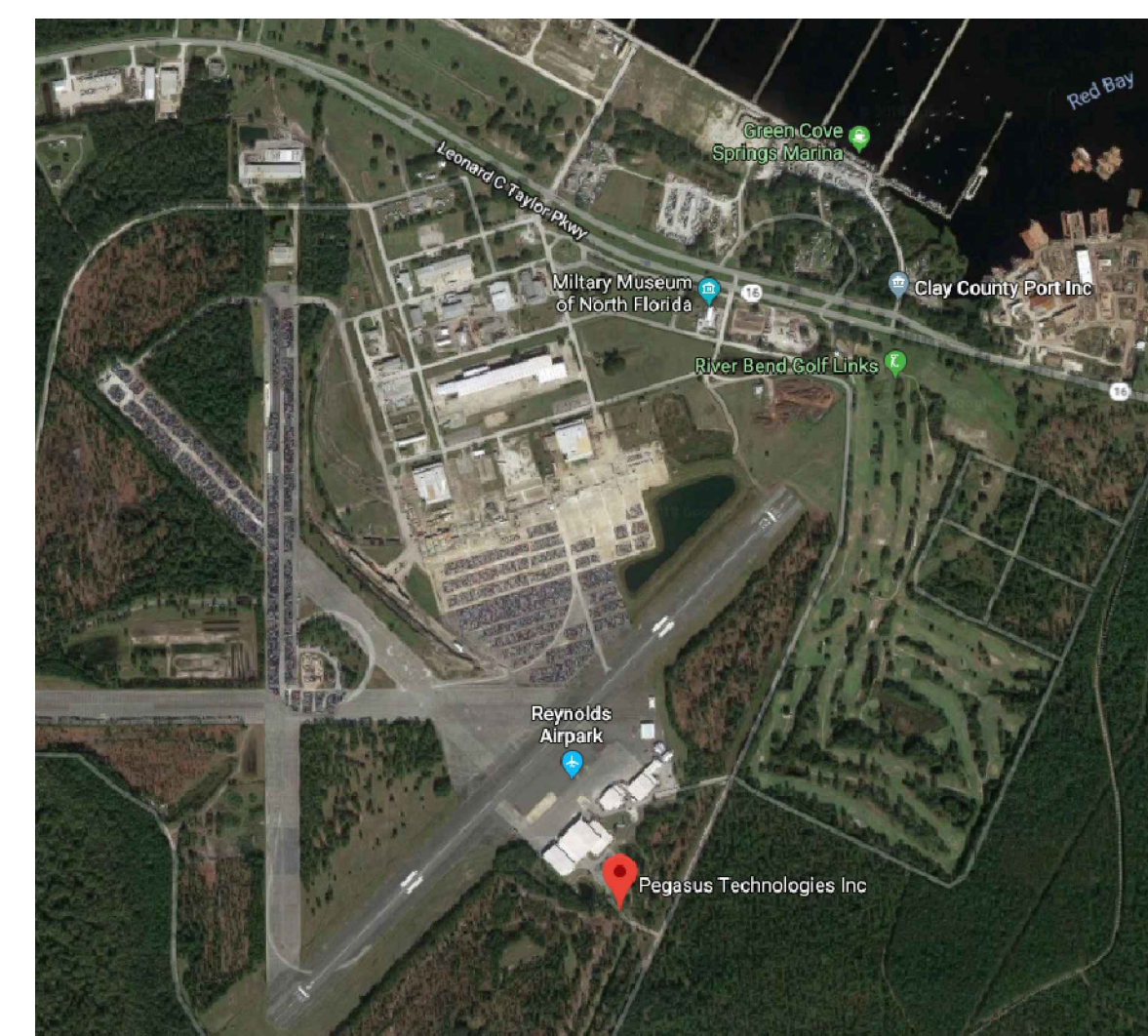
Width of End Zone = 8.2 feet from corners  
 ALL PRESSURES IN THE TABLE ABOVE ARE ALLOWABLE STRESS.



**VICINITY MAP:**



**LOCATION MAP:**



**SHEET INDEX:**

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S502	ROOF SECTIONS & DETAILS
S503	ROOF SECTIONS & DETAILS

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17087  
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**PEGASUS TECHNOLOGIES BUSINESS OPERATIONS CENTER**  
 932 PILOT DRIVE  
 GREEN COVE SPRINGS, FL 32043

**PEGASUS**

STRUCT. ENGINEER	LICENSE NO.
MICHAEL S KOVACS	72339

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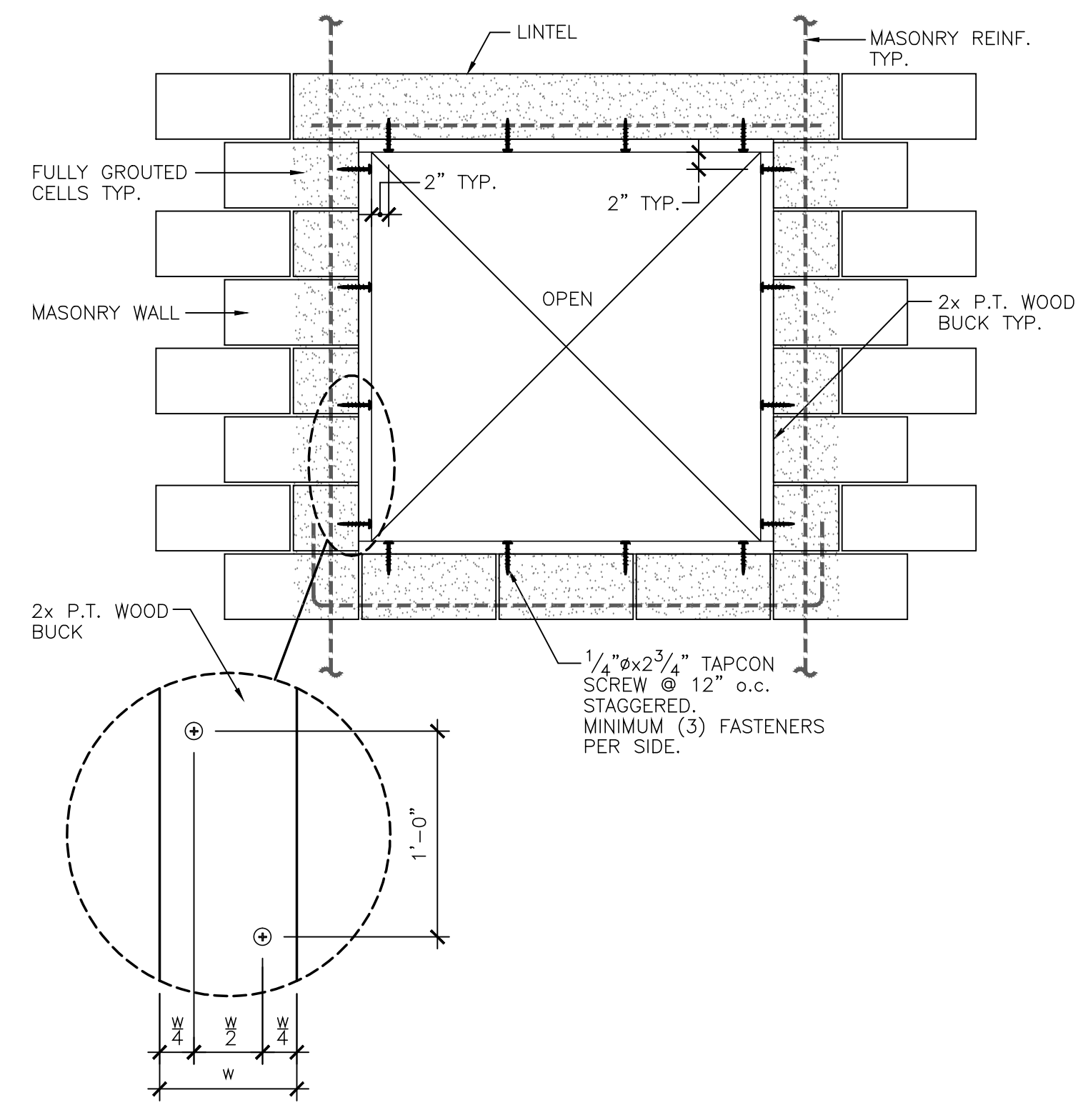
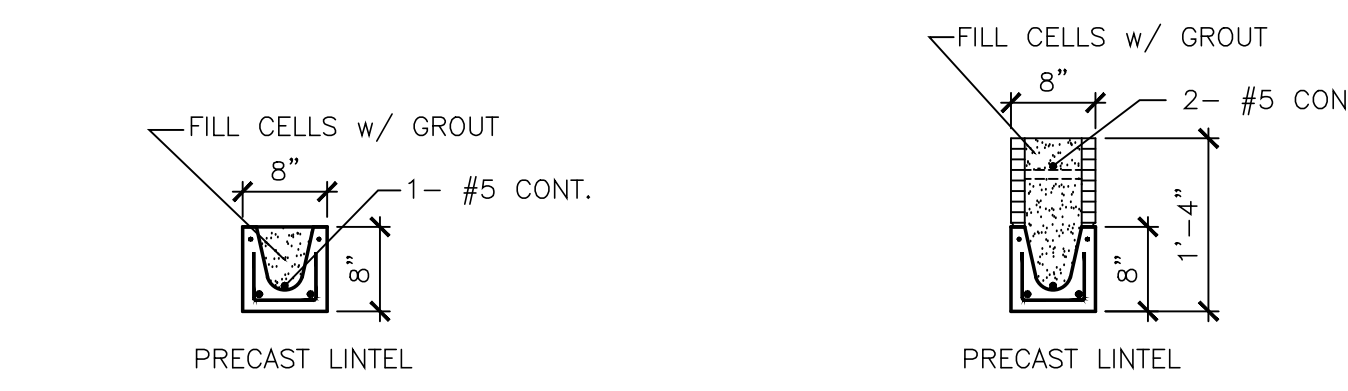
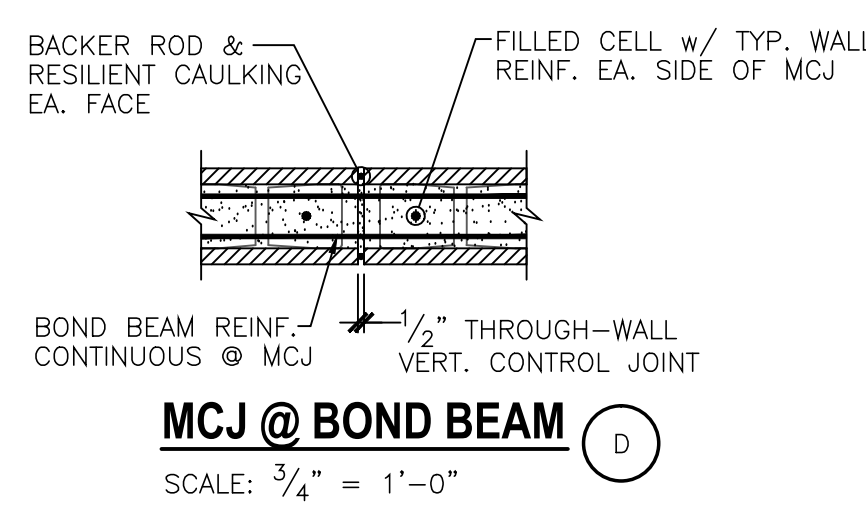
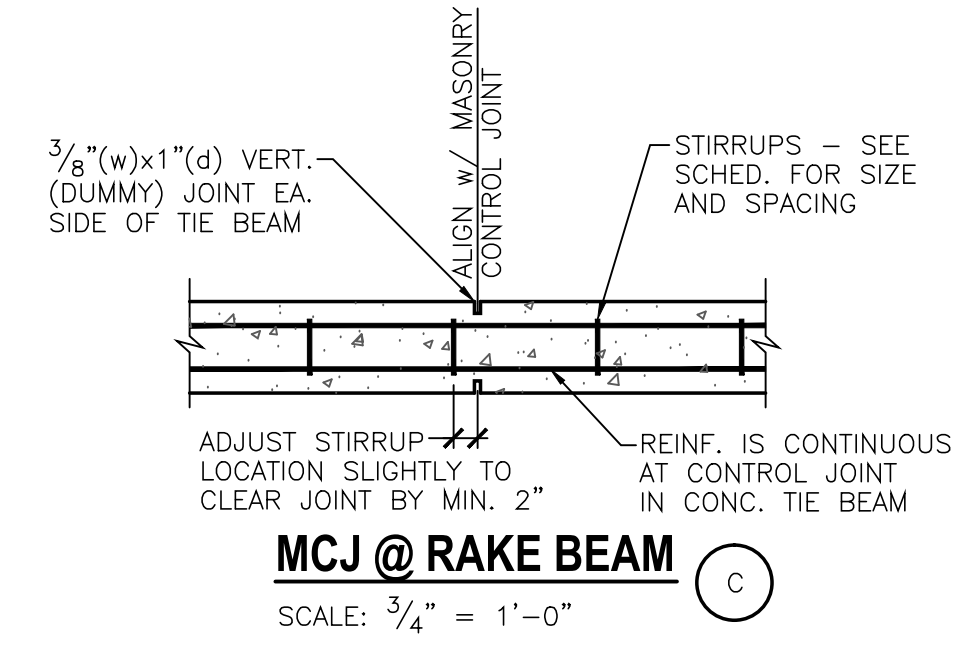
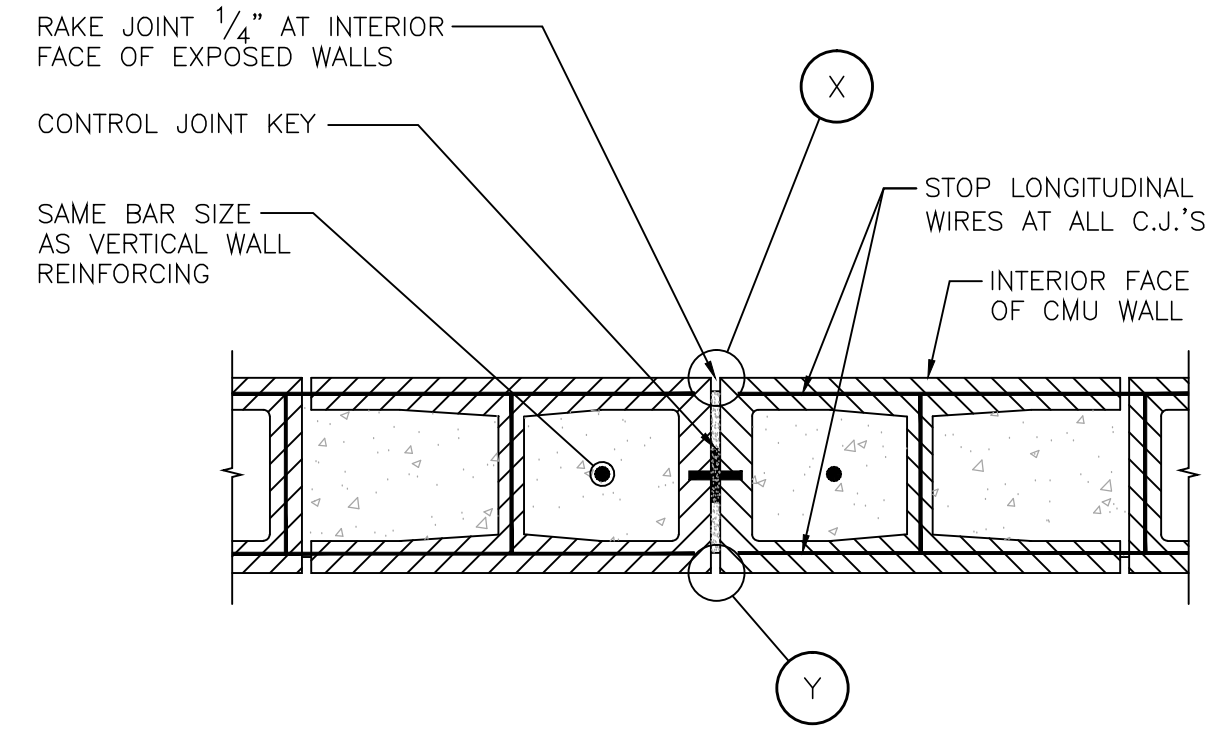
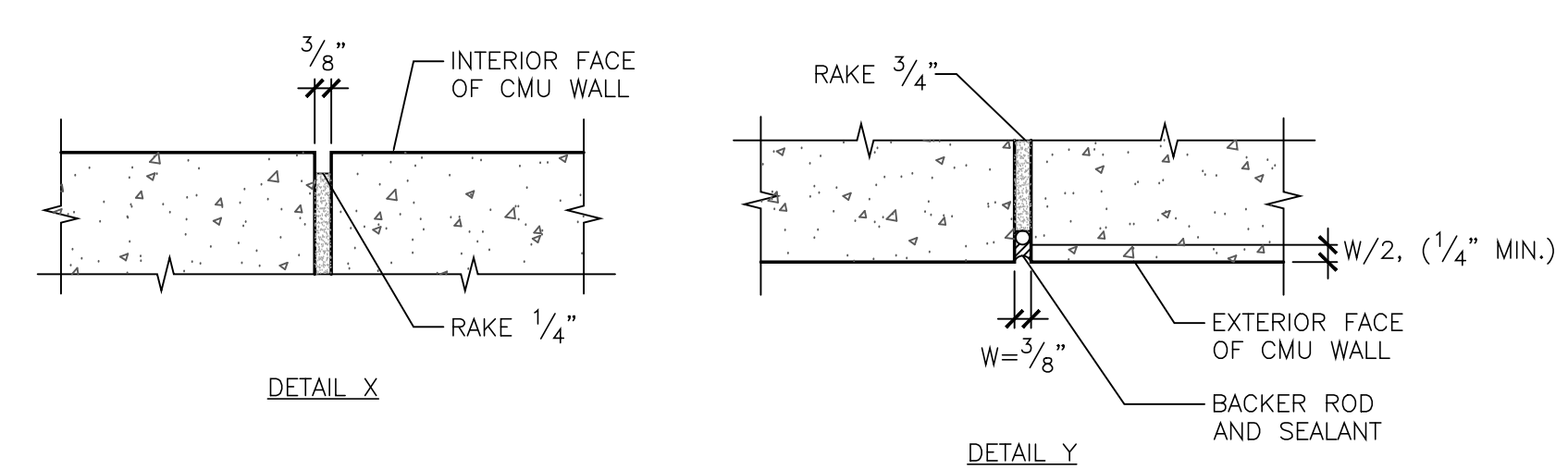
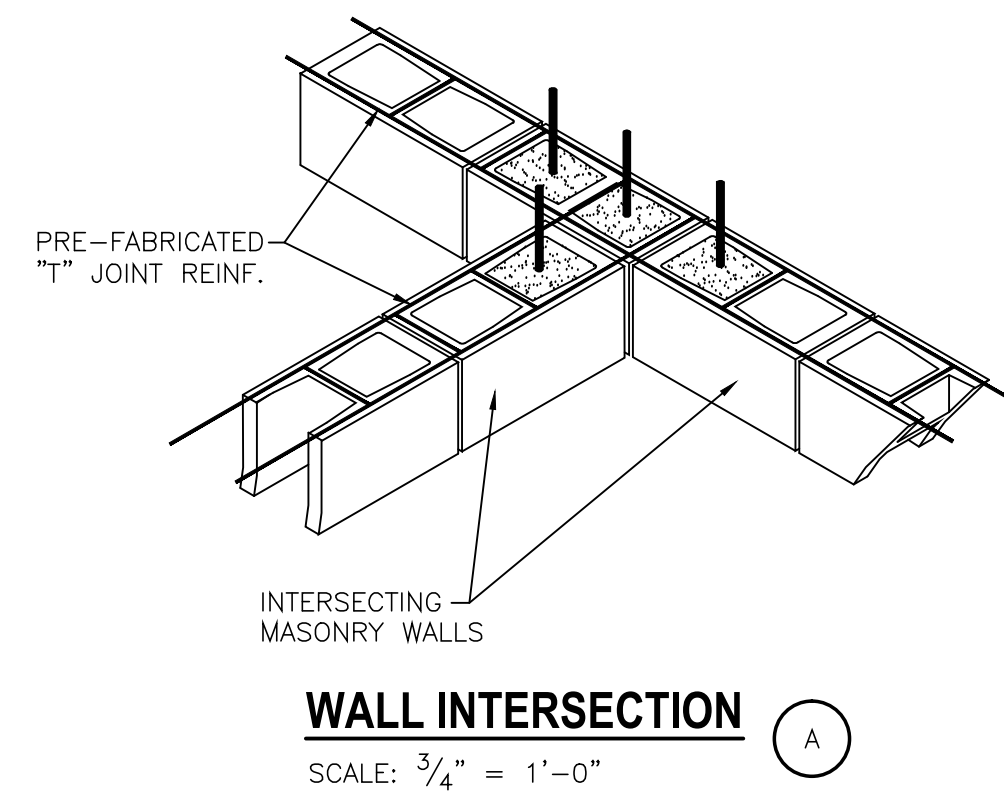
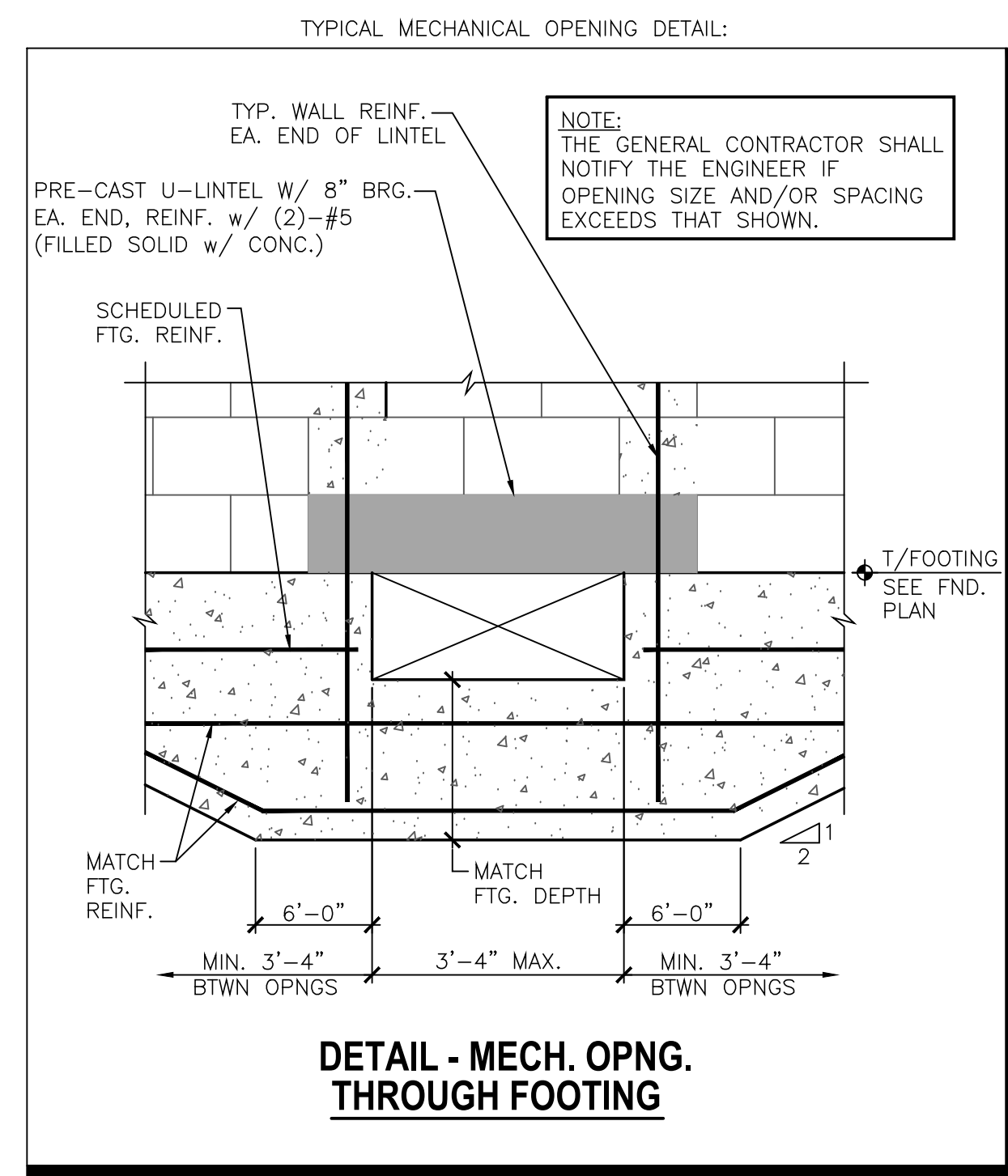
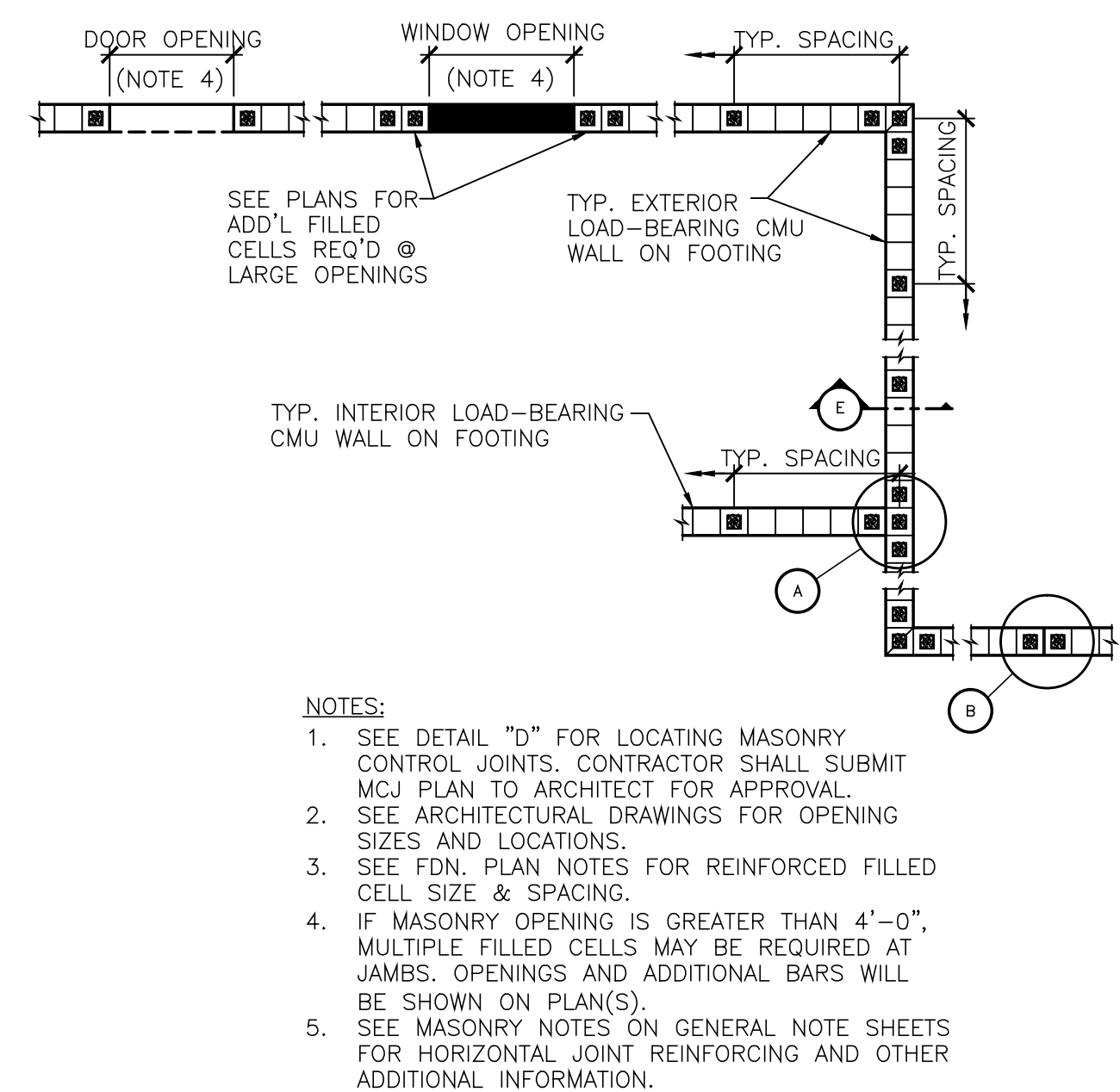
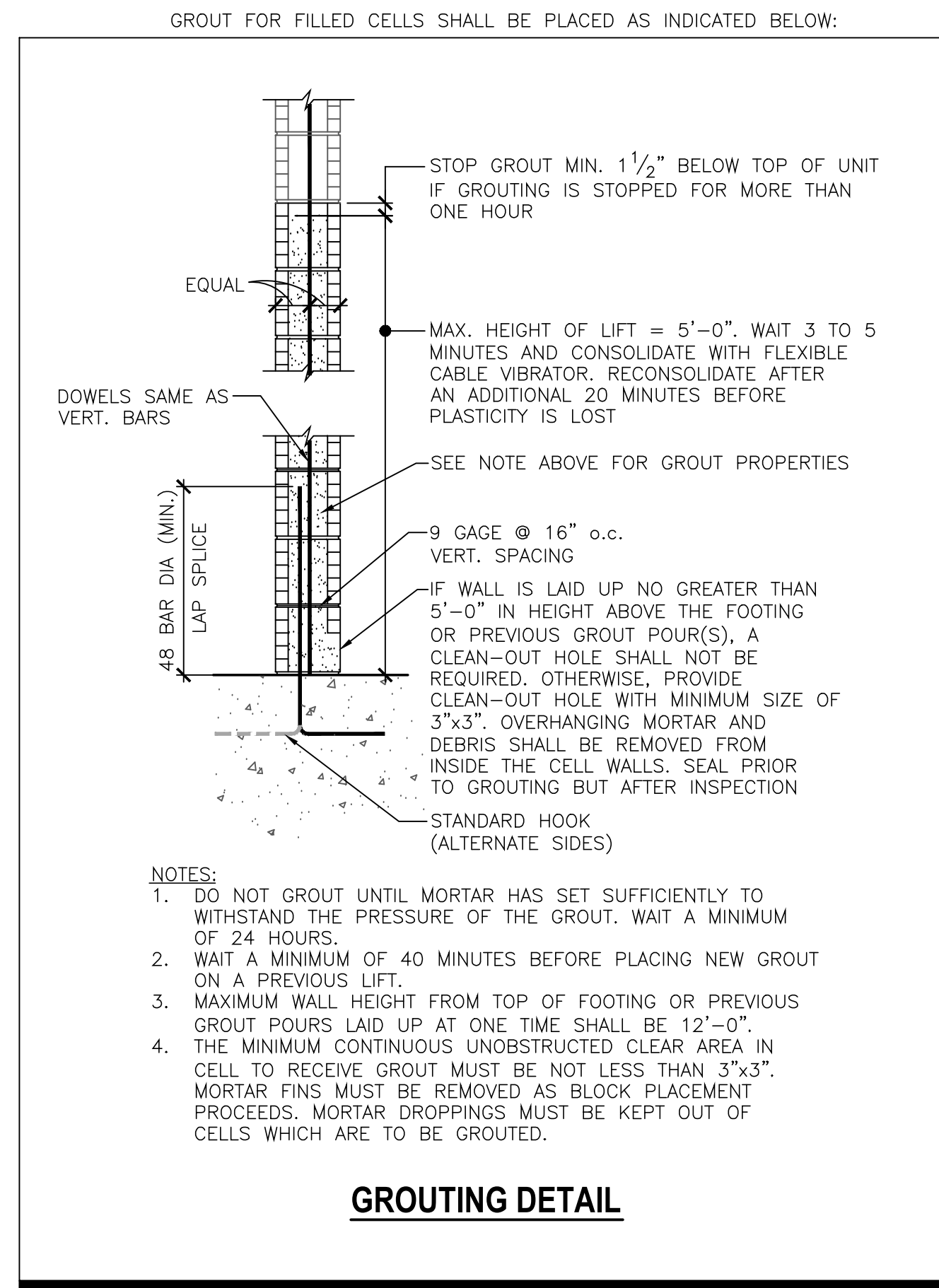
**GENERAL NOTES & DESIGN CRITERIA**

DATE:	11 MAY, 2018
D.B.:	MSK
C.B.:	DJC
JOB NO.:	17087

**PRELIMINARY**  
 THESE DOCUMENTS ARE INCOMPLETE AND NOT FOR REGULATORY APPROVAL, PERMIT OR CONSTRUCTION.

**S001**  
 95% CD'S





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MICHAEL S KOVACS	72339

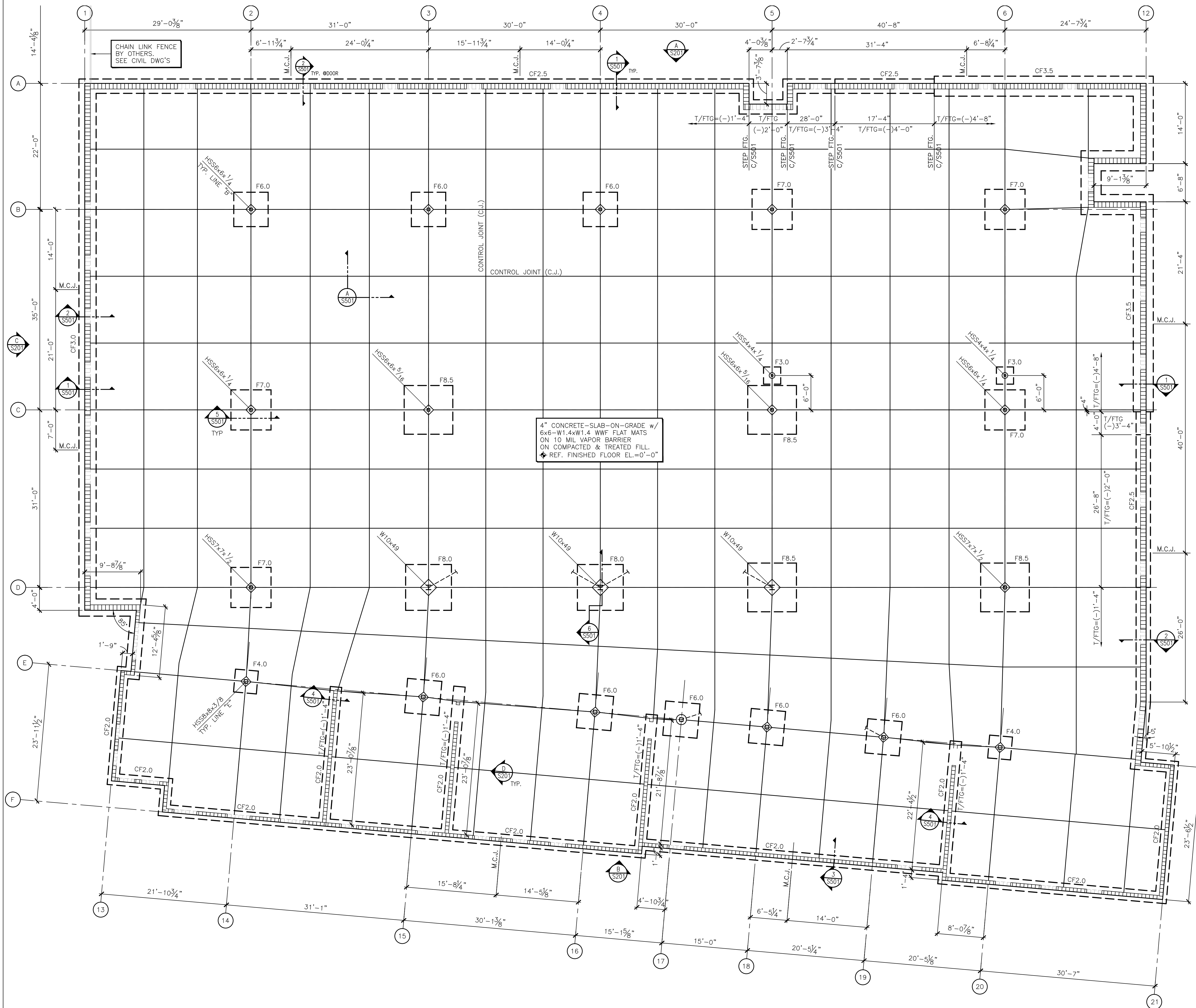
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TYPICAL DETAILS

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### FIRST FLOOR SLAB & FOUNDATION PLAN

PLAN NORTH

SCALE 1/8" = 1'-0"

#### FOUNDATION NOTES:

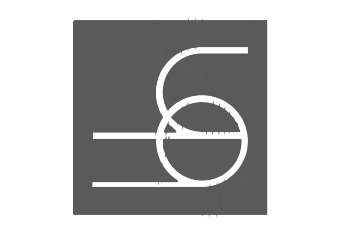
- SEE SHEET S001 FOR GENERAL NOTES & DESIGN CRITERIA.
- REFERENCE FINISHED FLOOR ELEVATION = 0'-0".
- TOP OF EXTERIOR FOOTINGS = (-)1'-4" TYP. U.O.N.  
TOP OF INTERIOR FOOTINGS = (-)1'-0" TYP. U.O.N.
- FOOTINGS ARE TO BE CENTERED UNDER WALLS, COLUMNS, ETC.
- SEE THIS SHEET FOR FOOTING SCHEDULE.
- SEE B/S501 FOR CONTROL JOINT (C.J.) DETAIL.
- SEE C/S501 FOR STEP FOOTING DETAIL.
- SEE B/S502 FOR MASONRY CONTROL JOINT (M.C.J.) DETAIL.
- SEE SHEET S102 FOR GENERATOR ENCLOSURE FOUNDATION PLAN.

#### LEGEND:

- 8" OR 12" MASONRY WALL
- SEE SHEET S201 FOR REINFORCING
- HSS COLUMN - SEE PLAN
- WF COLUMN - SEE PLAN

#### FOOTING SCHEDULE

MARK	SIZE W x L x D	REINFORCING BOTTOM
F3.0	3'-0" x 3'-0" x 1'-0"	(4) - #4 EACH WAY
F4.0	4'-0" x 4'-0" x 1'-0"	(6) - #4 EACH WAY
F6.0	6'-0" x 6'-0" x 1'-2"	(6) - #5 EACH WAY
F7.0	7'-0" x 7'-0" x 1'-4"	(6) - #6 EACH WAY
F8.0	8'-0" x 8'-0" x 1'-5"	(6) - #7 EACH WAY
F8.5	8'-6" x 8'-6" x 1'-6"	(7) - #7 EACH WAY
CF2.0	2'-0" x CONT. x 1'-0"	(2) - #5 CONT. w/ #3 @ 36" TRANS.
CF2.5	2'-6" x CONT. x 1'-0"	(3) - #5 CONT. w/ #3 @ 36" TRANS.
CF3.0	3'-0" x CONT. x 1'-0"	(3) - #5 CONT. w/ #3 @ 36" TRANS.
CF3.5	3'-6" x CONT. x 1'-1"	(4) - #5 CONT. w/ #3 @ 36" TRANS.



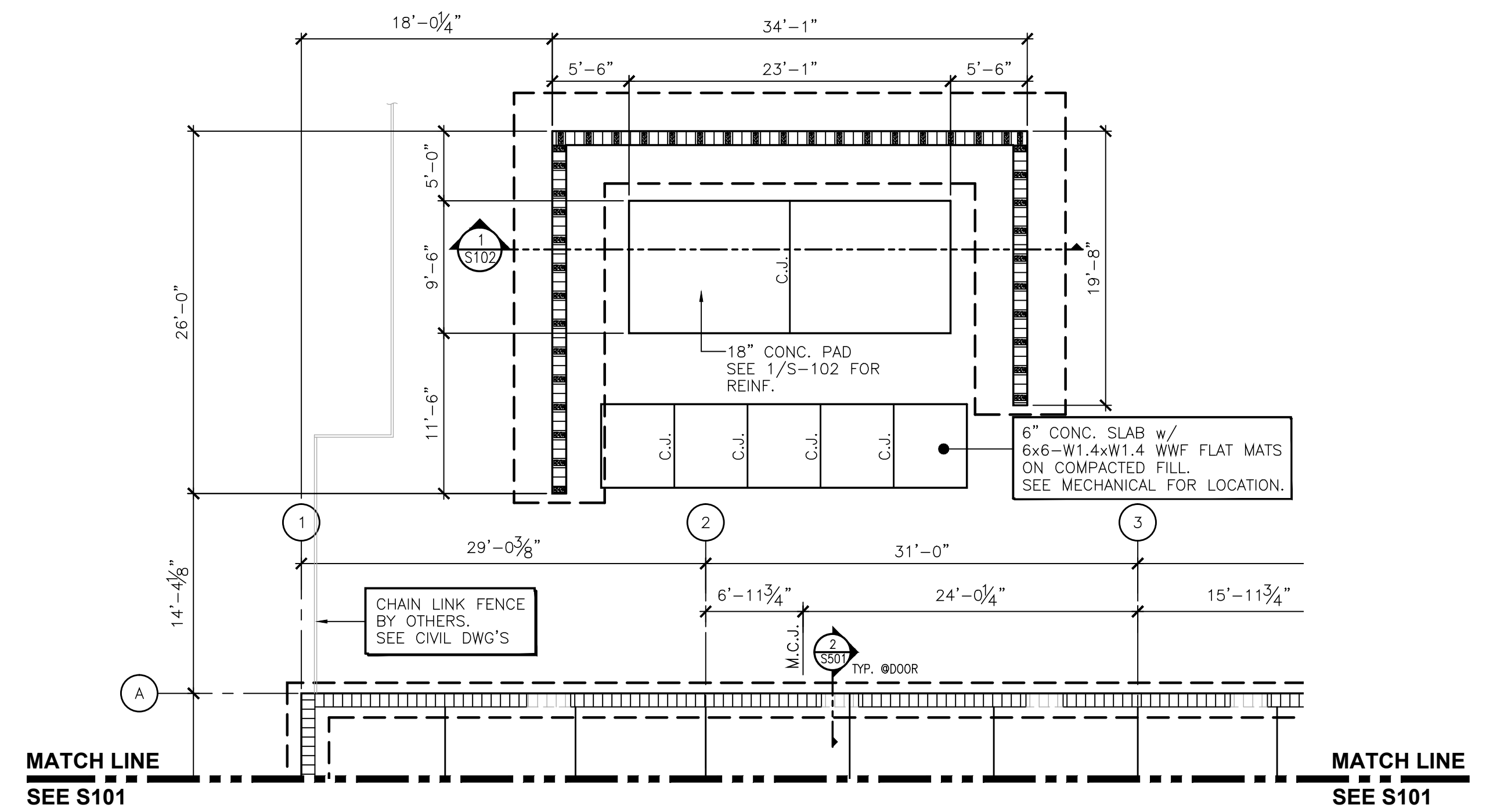
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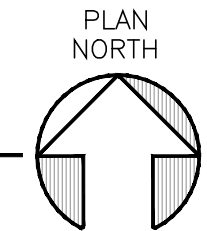
#### FIRST FLOOR SLAB & FOUNDATION PLAN

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**S101**



**GENERATOR ENCLOSURE  
FOUNDATION PLAN**



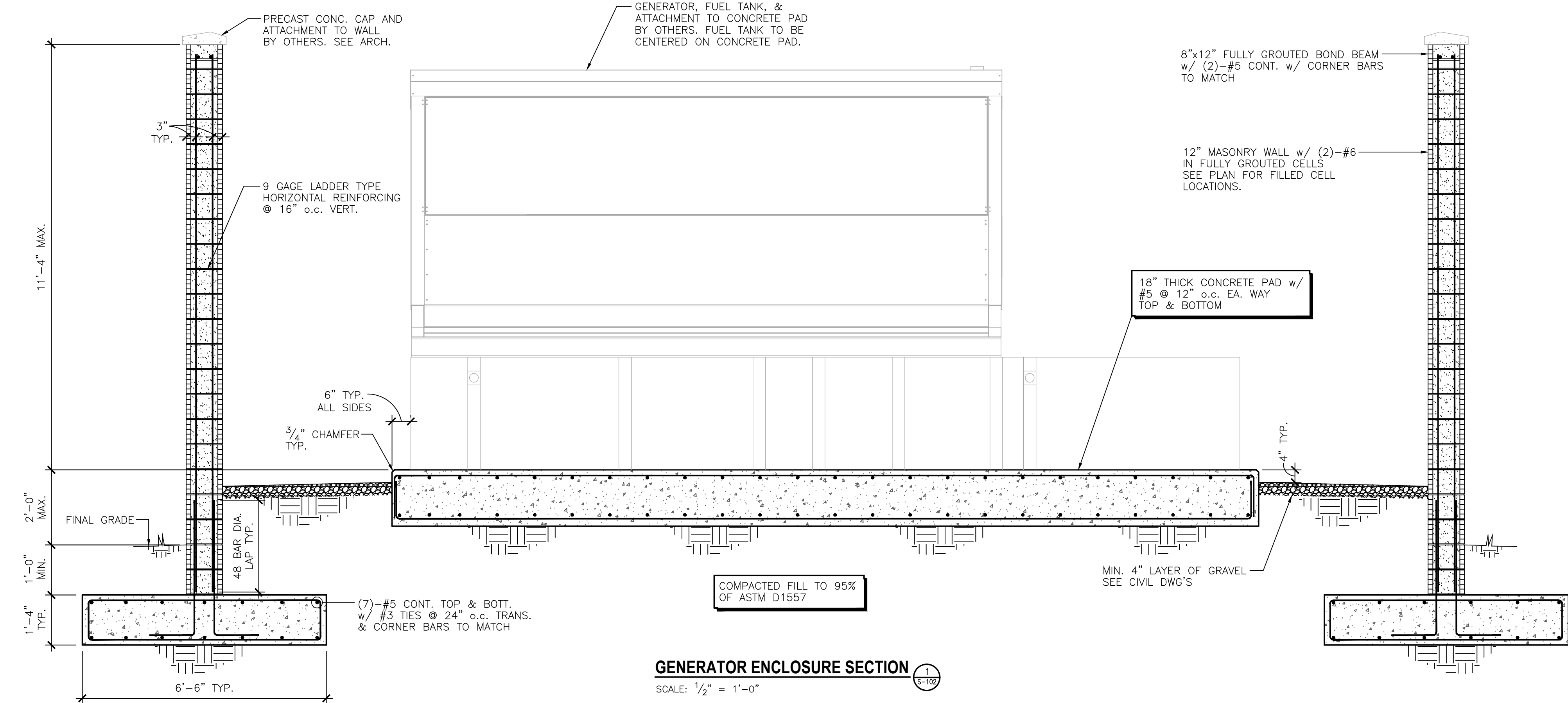
SCALE 1/8" = 1'-0"

**FOUNDATION NOTES:**

1. SEE SHEET S001 FOR GENERAL NOTES & DESIGN CRITERIA.
2. REFERENCE FINISHED FLOOR ELEVATION = 0'-0".
3. TOP OF FOOTING = (-)1'-0" MIN.
4. FOOTINGS ARE TO BE CENTERED UNDER WALLS.
5. SEE A/S501 FOR CONTROL JOINT (C.J.) DETAIL.
6. VERIFY ENCLOSURE LOCATION WITH ARCHITECTURAL DRAWINGS.
7. SEE MECHANICAL DRAWINGS FOR EQUIPMENT PAD LOCATION.

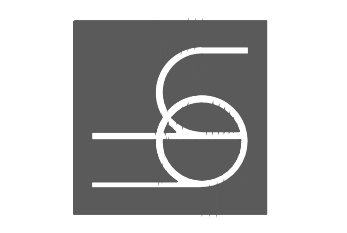
**LEGEND:**

12" MASONRY WALL



**GENERATOR ENCLOSURE SECTION**

SCALE: 1/2" = 1'-0"



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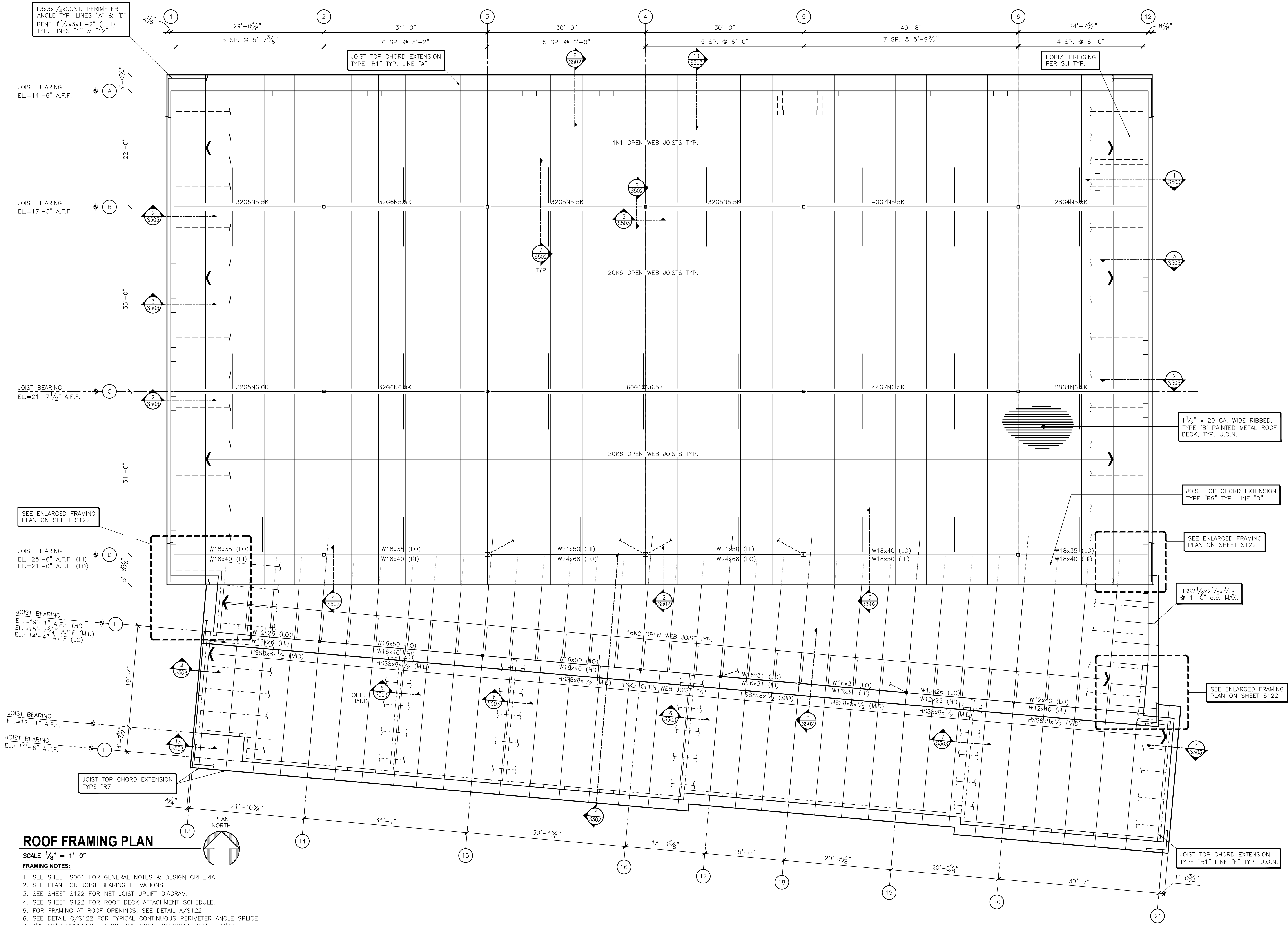
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**S102**



L3x3x1/4x20. PERIMETER ANGLE TYP. LINES "A" & "D" BENT R1/4x3x1'-2" (LLH) TYP. LINES "1" & "12"



### ROOF FRAMING PLAN

SCALE 1/8" = 1'-0"

**FRAMING NOTES:**

1. SEE SHEET S001 FOR GENERAL NOTES & DESIGN CRITERIA.
2. SEE PLAN FOR JOIST BEARING ELEVATIONS.
3. SEE SHEET S122 FOR NET JOIST UPLIFT DIAGRAM.
4. SEE SHEET S122 FOR ROOF DECK ATTACHMENT SCHEDULE.
5. FOR FRAMING AT ROOF OPENINGS, SEE DETAIL A/S122.
6. SEE DETAIL C/S122 FOR TYPICAL CONTINUOUS PERIMETER ANGLE SPLICE.
7. ANY LOAD SUSPENDED FROM THE ROOF STRUCTURE SHALL HANG DIRECTLY FROM THE BAR JOIST OR JOIST GIRDER. OTHERWISE PROVIDE ADDITIONAL SUPPORT MATERIAL DESIGNED TO CARRY THE LOAD BETWEEN THE STRUCTURAL MEMBERS. DO NOT SUPPORT LOADS FROM BRIDGING.

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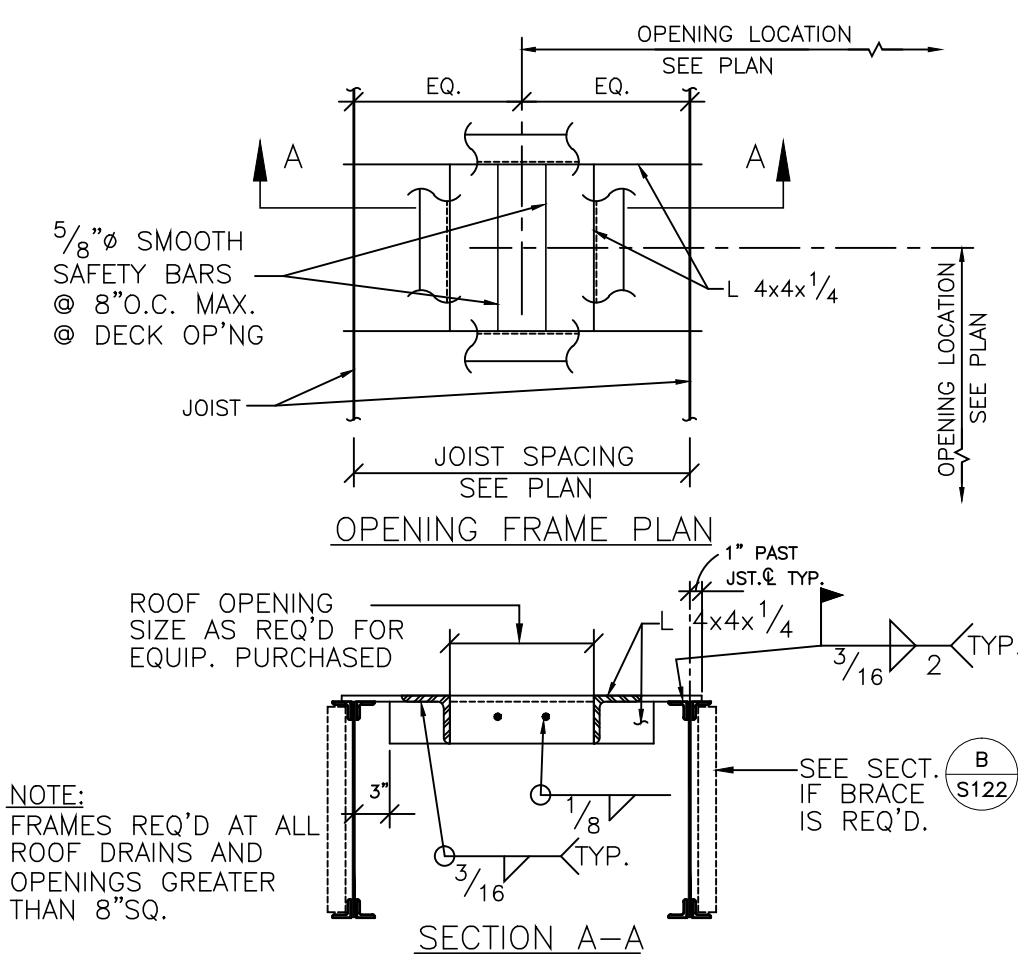
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1/12/2019	1 ISSUED FOR BID	

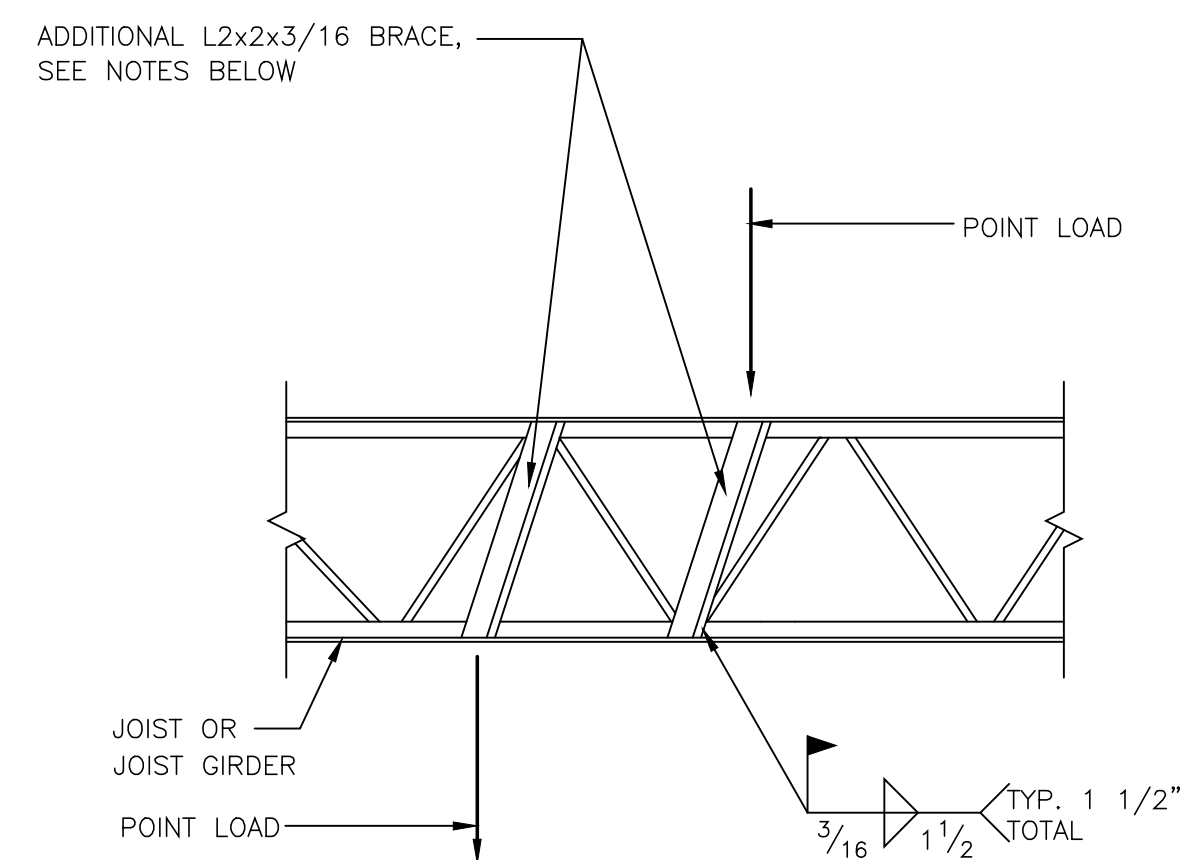
### ROOF FRAMING PLAN

DATE: 11 MAY, 2018  
 D.B.: MSK  
 C.B.: DJC  
 JOB NO.: 17087

**S121**  
 95% CD'S

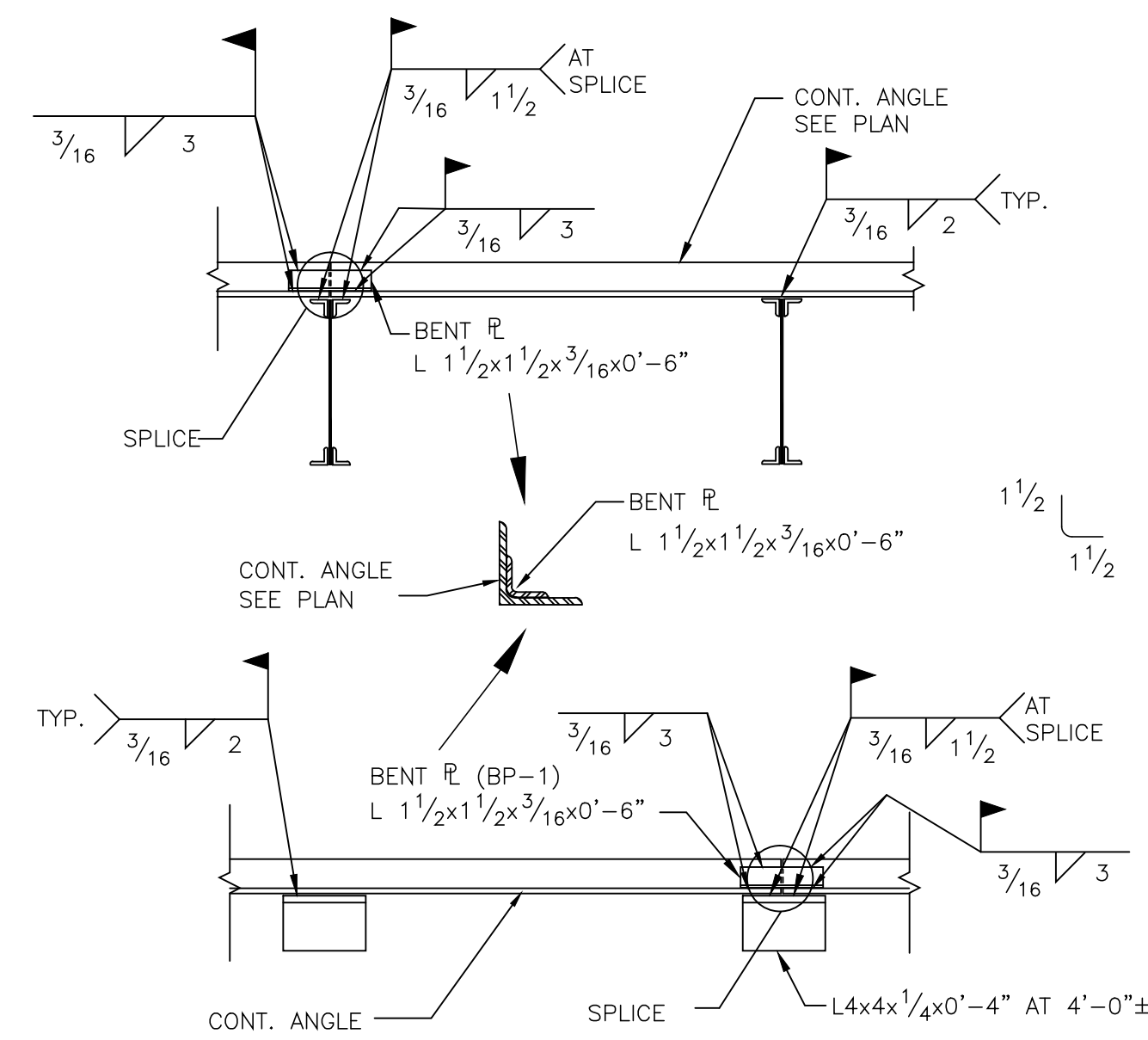


**ROOF FRAME**  
SCALE: 3/4" = 1'-0"

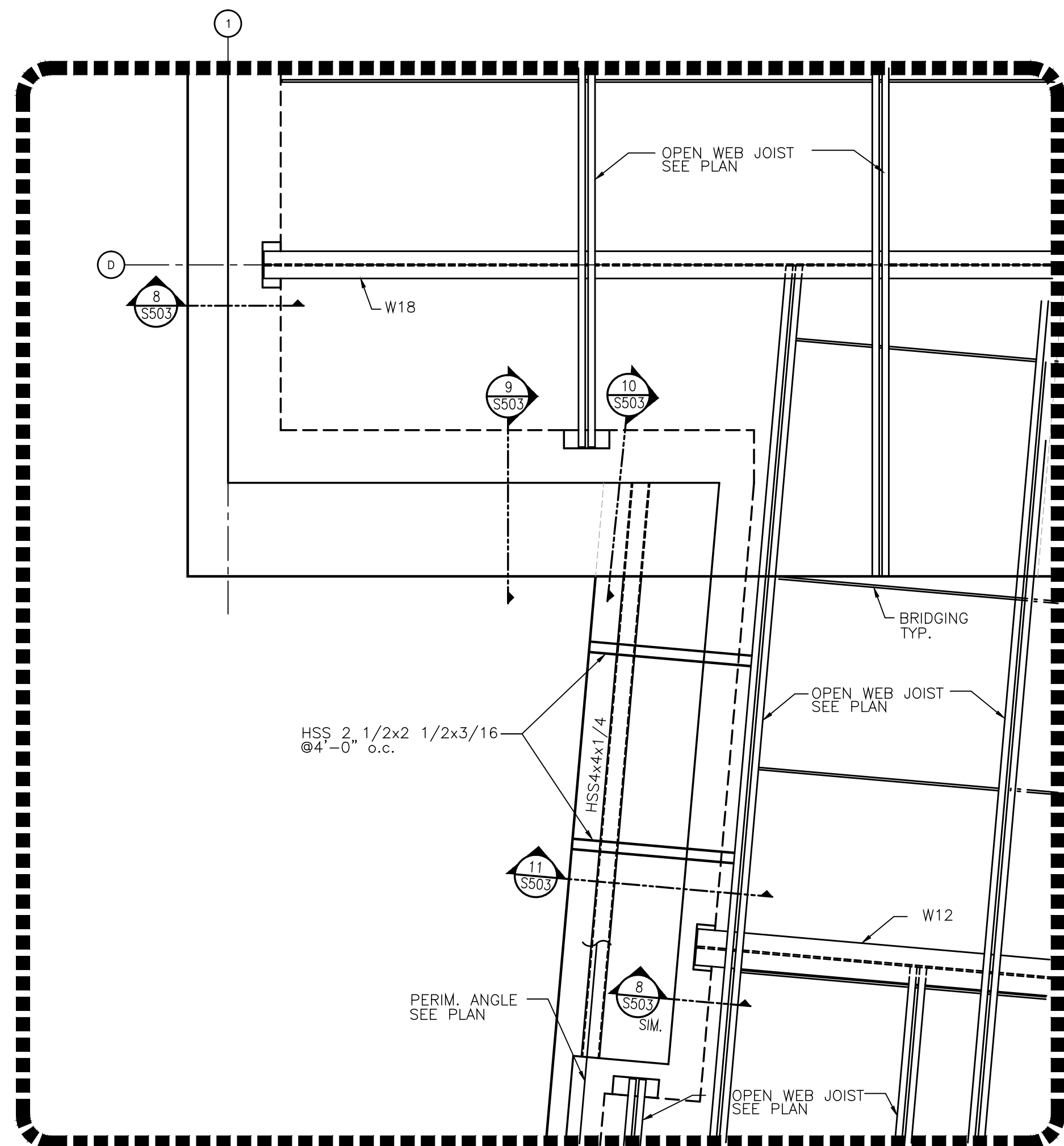


- NOTES**
1. ADDITIONAL BRACE IS NOT REQUIRED FOR POINT LOAD LESS THAN 100 LBS.
  2. LIMIT SUM OF POINT LOADS TO 100 LBS AT 10'-0" o.c. UNLESS THE JOIST IS DESIGNED & NOTED FOR SPECIALTY LOADING.
  3. ADDITIONAL BRACE REQUIRED FOR DESIGN POINT LOADS EXCEEDING 100 LBS. OCCURRING BETWEEN PANEL POINTS. SEE ABOVE.
  4. CONTACT ENGINEER IF POINT LOAD EXCEEDS DESIGN LOAD NOTED ON DRAWINGS OR 100 LBS.

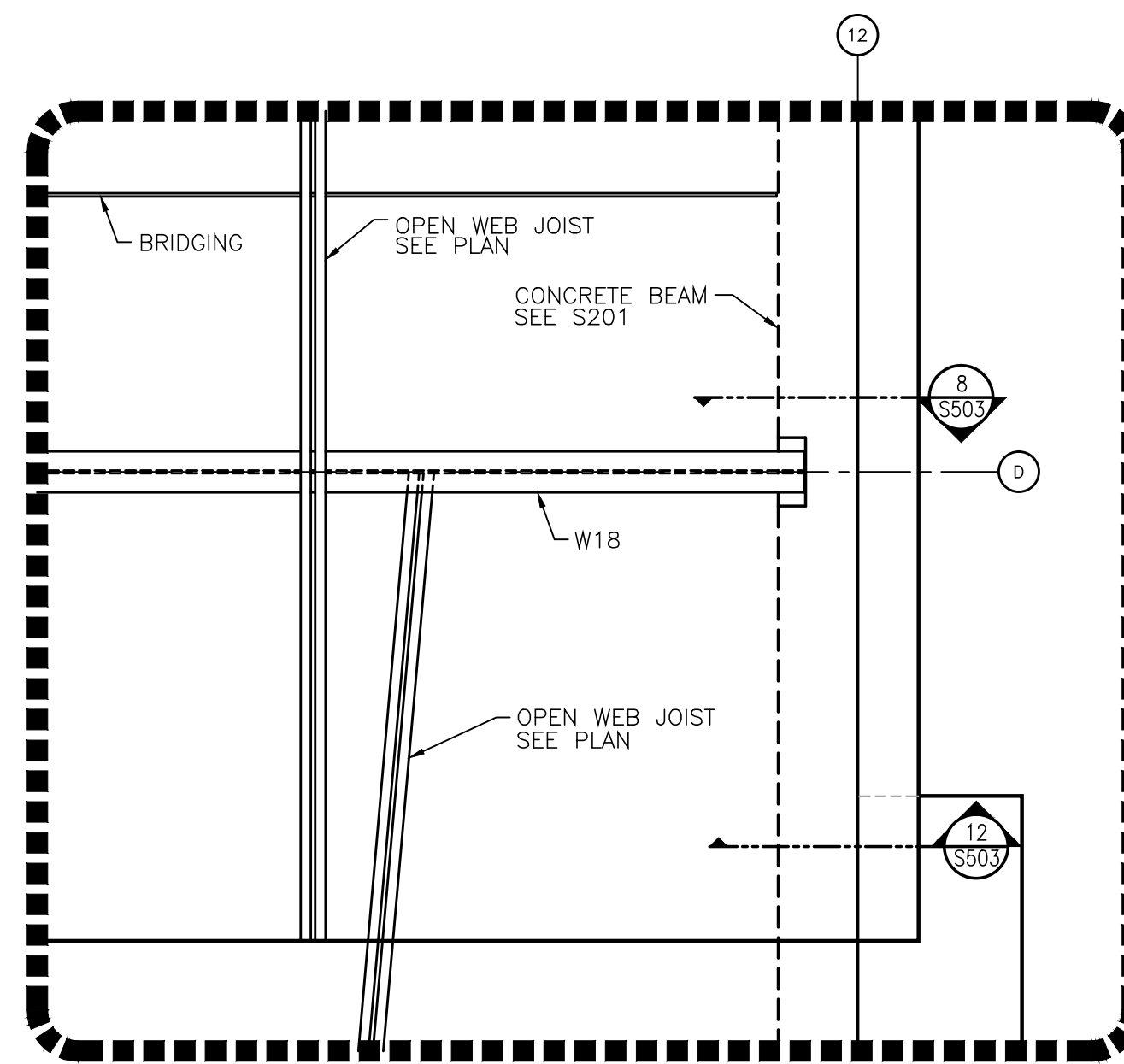
**JOIST BRACE AT CONCENTRATED LOAD**  
SCALE: 1" = 1'-0"



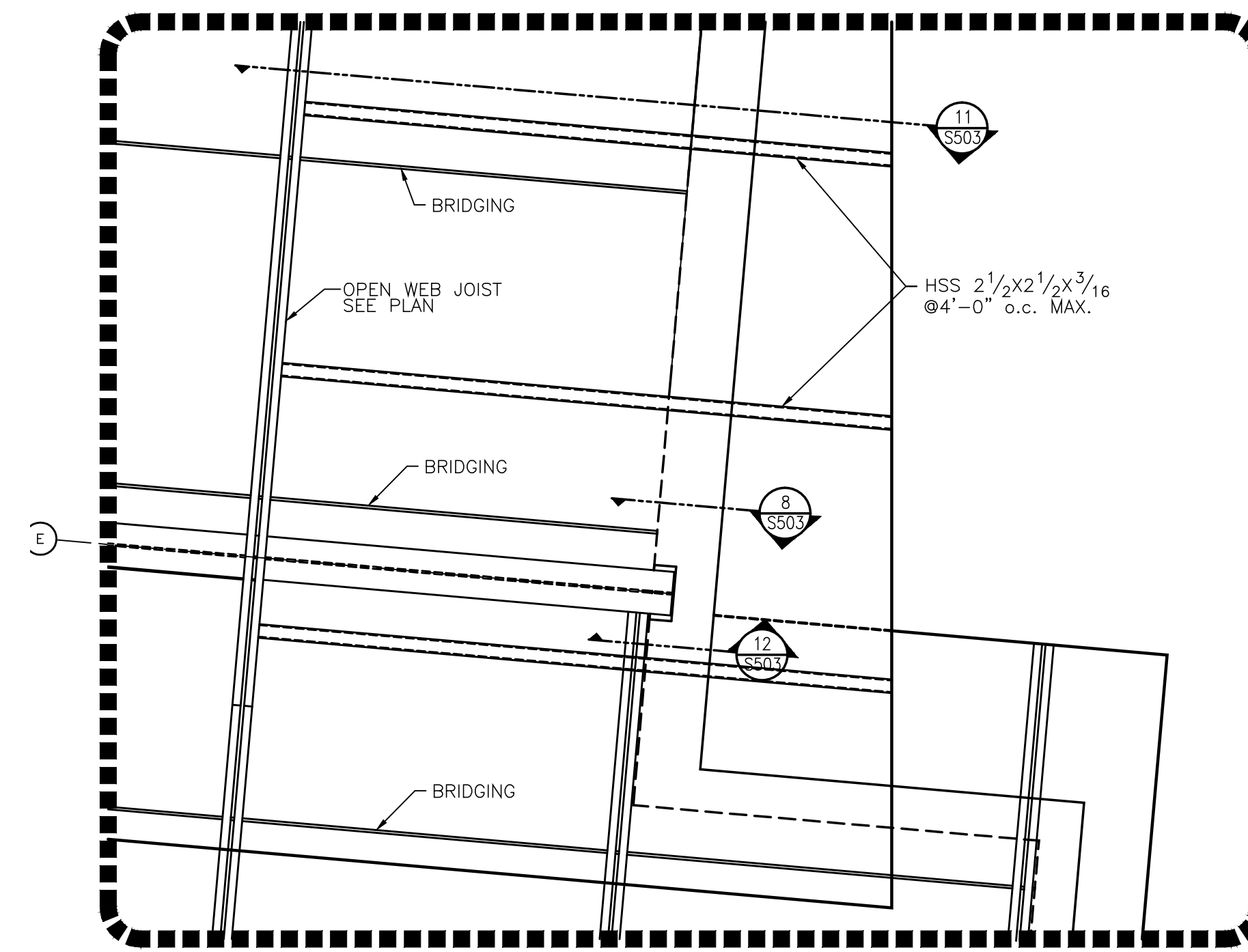
**CONTINUOUS ANGLE SPLICE**  
SCALE: 1" = 1'-0"



**ENLARGED PLAN**  
SCALE: 1 1/2" = 1'-0"



**ENLARGED PLAN**  
SCALE: 1/2" = 1'-0"

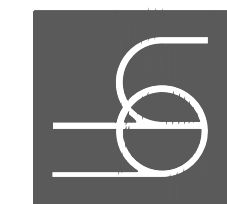


**ENLARGED PLAN**  
SCALE: 1/2" = 1'-0"

**BHIDE & HALL ARCHITECTS, P.A.**  
1330 KINGLEYS AVENUE, SUITE C, ORANGE PARK, FLORIDA 32073  
TEL: (904) 264-1919 FAX: (904) 264-1919  
E-MAIL: SBSTRUCTUREINTL.COM

**STRUCTURES INTERNATIONAL, LLC**  
7563 PHILLIPS HIGHWAY, BUILDING 600  
CROFTON, MD 21114  
TEL: (410) 284-2644 FAX: (410) 286-8846  
E-MAIL: SBSTRUCTUREINTL.COM

17087  
FLORIDA CERTIFICATE  
OF AUTHORIZATION NO: 9800



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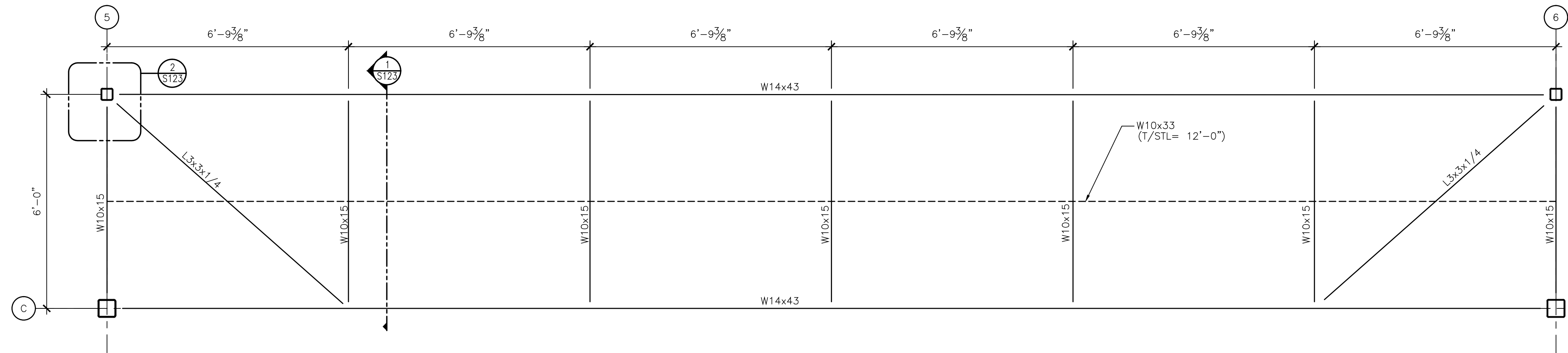
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11/20/2019	1 ISSUED FOR BID	

**ROOF FRAMING PLAN**

DATE: 11 MAY, 2018  
D.B.: MSK  
C.B.: DJC  
JOB NO: 17087

**S122**  
95% CD'S



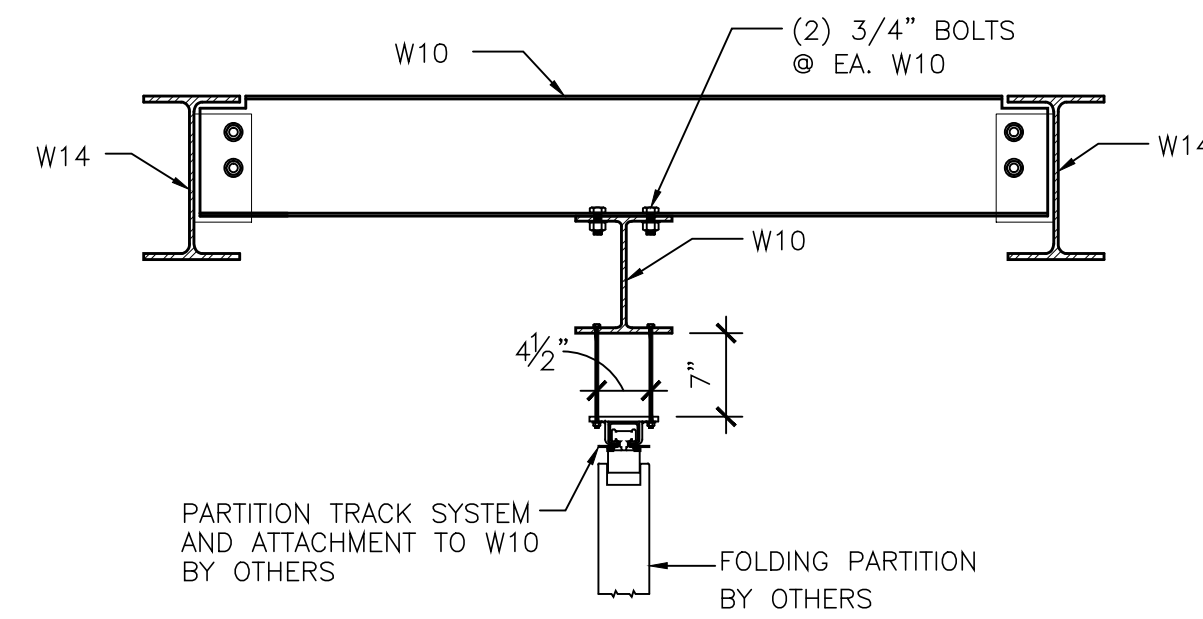
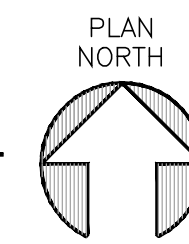


**FOLDING PARTITION SUPPORT FRAMING PLAN**

SCALE 1/2" = 1'-0"

**FRAMING NOTES:**

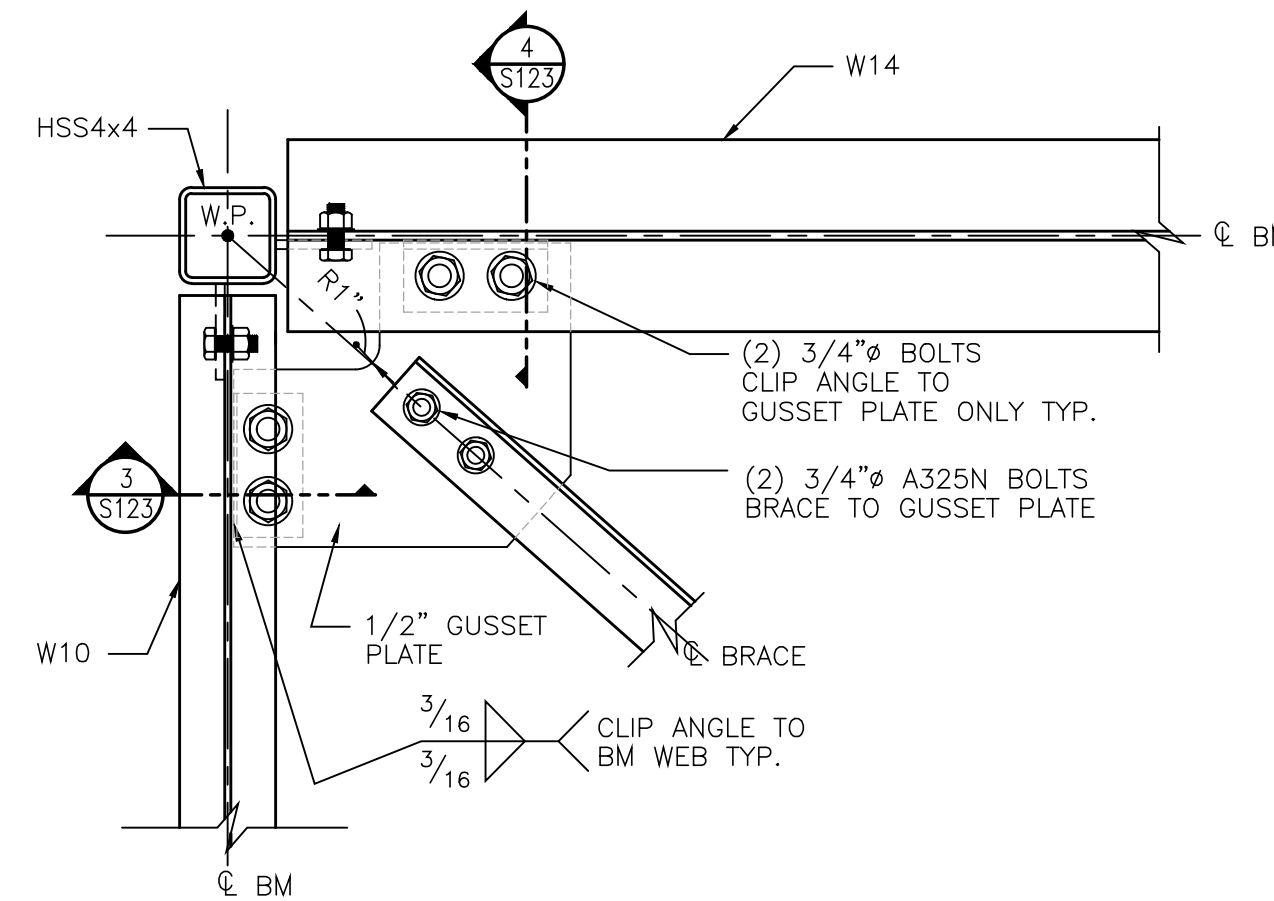
- SEE SHEET S001 FOR GENERAL NOTES & DESIGN CRITERIA.
- TOP OF STEEL ELEVATION = 12'-10" A.F.F. TYP. U.O.N.



**ROOF SECTION 1**

SCALE: 3/4" = 1'-0"

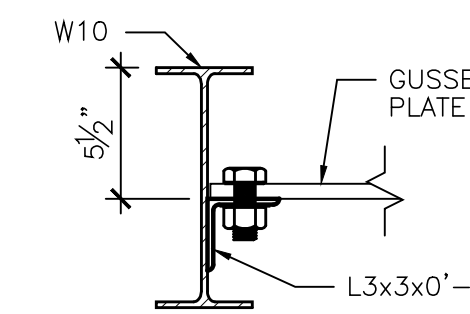
1  
S123



**BRACE SECTION PLAN 2**

SCALE: 1 1/2" = 1'-0"

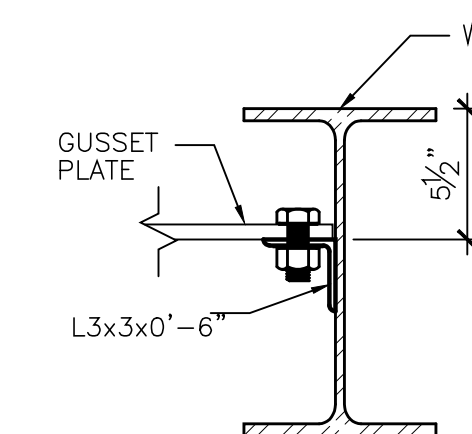
2  
S123



**SECTION 3**

SCALE: 1 1/2" = 1'-0"

3  
S123



**SECTION 4**

SCALE: 1 1/2" = 1'-0"

4  
S123



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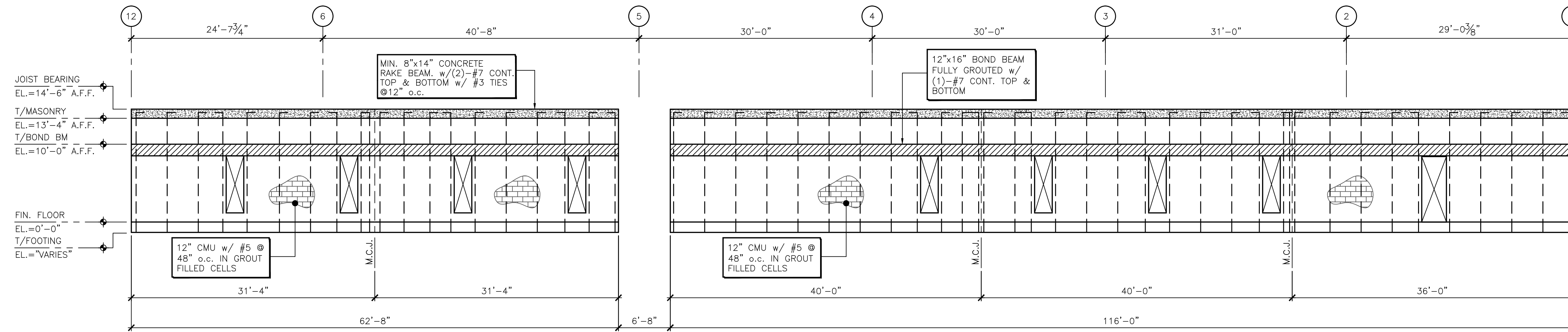
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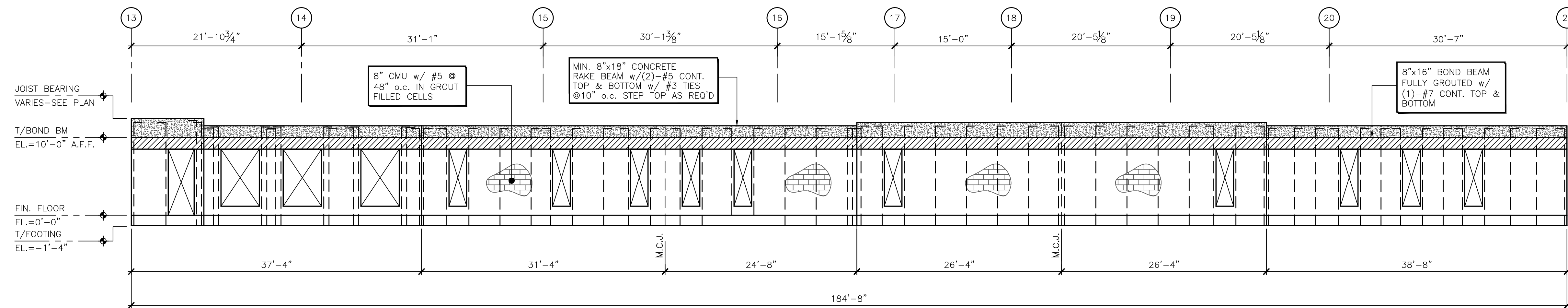
**ROOF FRAMING PLAN**

DATE: 11 MAY, 2018  
D.B.: MSK  
C.B.: DJC  
JOB NO: 17087

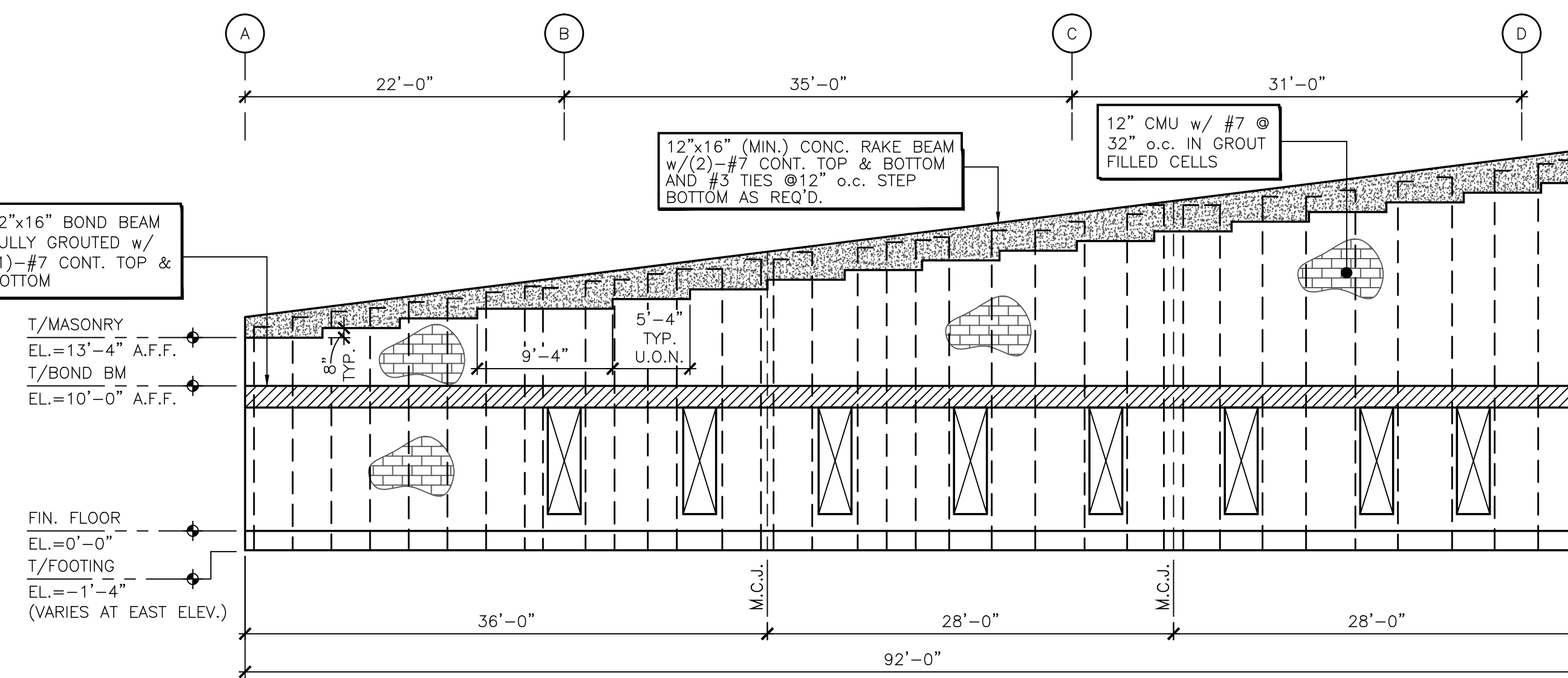
**S123**



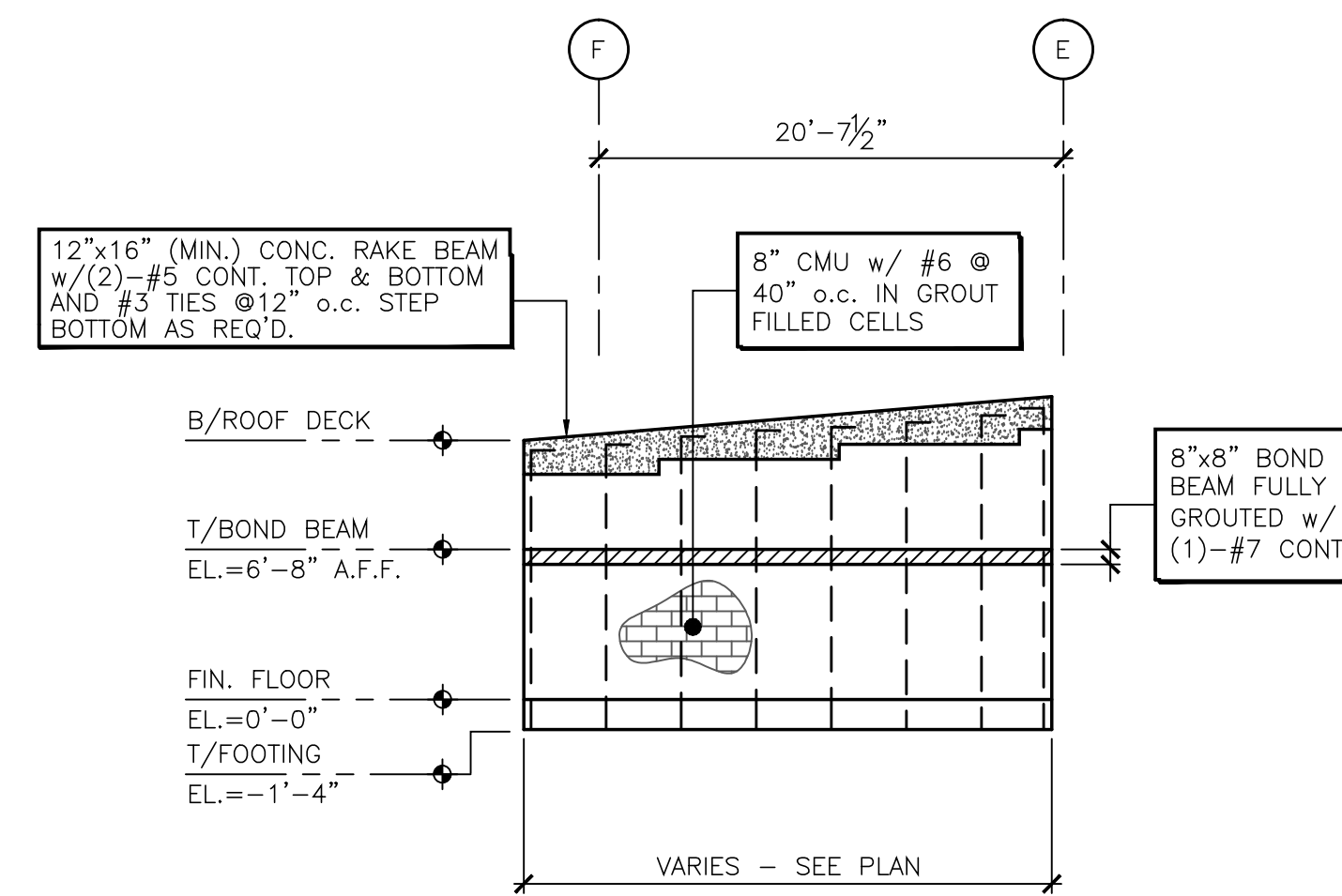
**NORTH WALL REINFORCING ELEVATION**  
SCALE 1/8" = 1'-0"



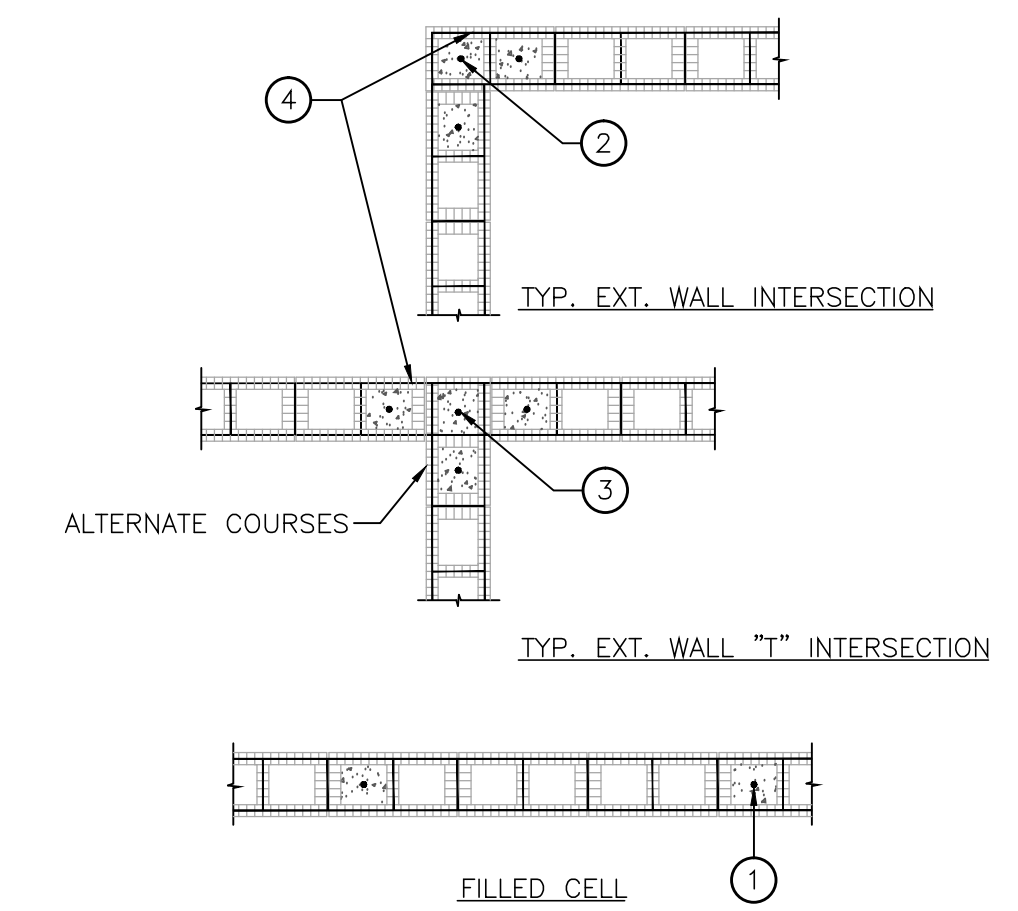
**SOUTH WALL REINFORCING ELEVATION**  
SCALE 1/8" = 1'-0"



**WEST WALL REINFORCING ELEVATION**  
SCALE 1/8" = 1'-0" (EAST WALL SIMILAR)



**TYPICAL INTERIOR SHEARWALL REINFORCING ELEVATION**  
SCALE 1/8" = 1'-0"



- CONC. FILLED CELLS (1)-VERTICAL BAR CONTINUOUS FROM FTG. w/ STD. HOOK INTO FOOTING & CONC. RAKE BEAM. SEE ELEVATIONS FOR SPACING. USE (1)-VERTICAL BAR EA. SIDE OF OPENINGS 4'-0" WIDE OR SMALLER. USE (1)-VERTICAL BAR IN EA. OF TWO CELLS ON EA. SIDE OF WALL OPENINGS LARGER THAN 4'-0".
- CONC. FILLED CELL w/ (3)-VERTICAL BARS @ CORNERS, CONT. FROM FOOTING w/ STD. HOOK INTO RAKE BEAM w/ MIN. 48 BAR DIA. LAP.
- CONC. FILLED CELL w/ (4)-VERTICAL BARS @ INTERSECTIONS, CONT. FROM FOOTING w/ STD. HOOK INTO RAKE BEAM w/ MIN. 48 BAR DIA. LAP.
- 8" OR 12" CLOSE END CMU BLOCK REINF. w/ 9 GA. LADDER TYPE REINFORCING @ 16" o.c.

**TYP. CMU JOINT REINF. DETAILS**  
NOT TO SCALE



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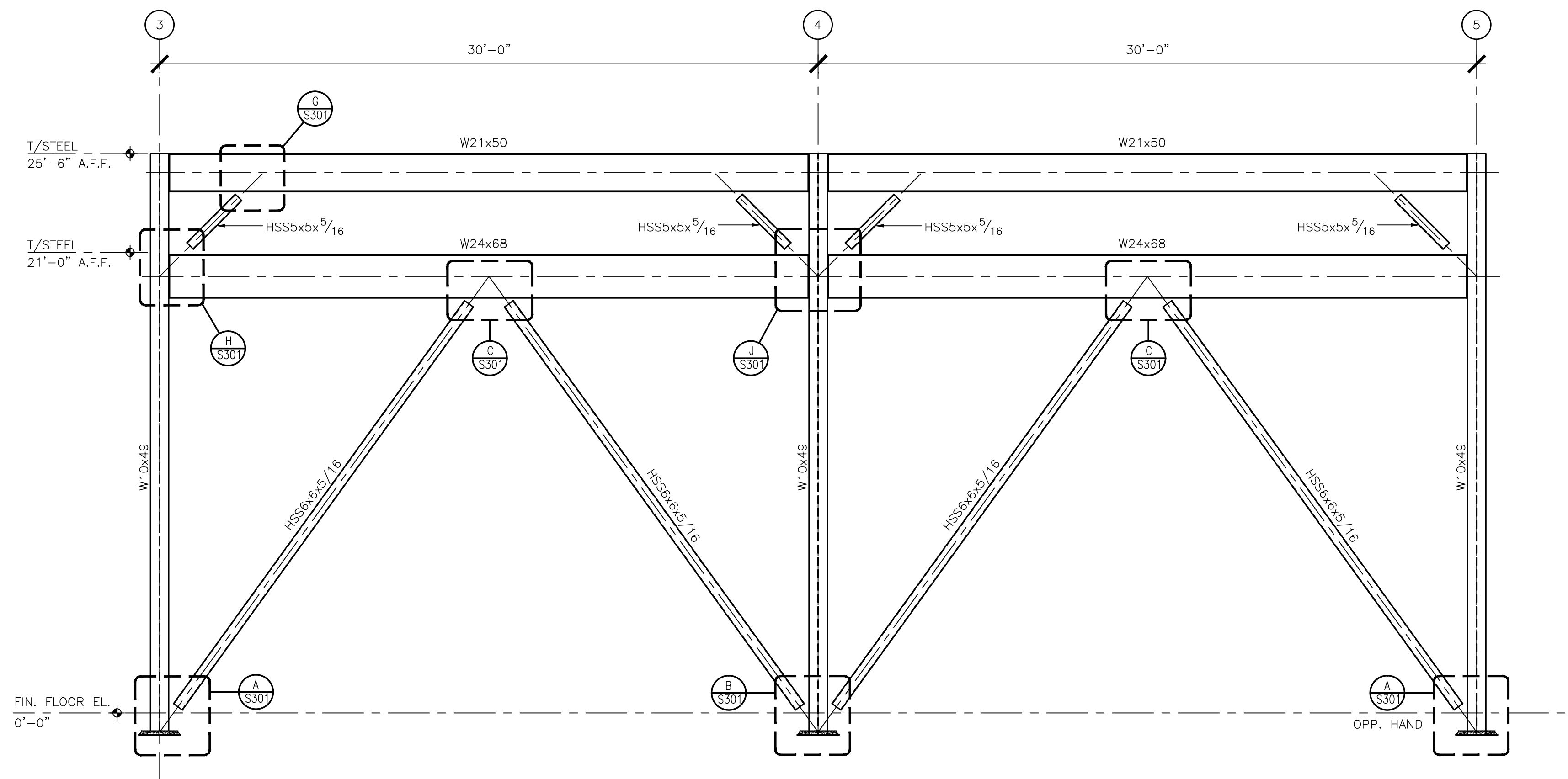
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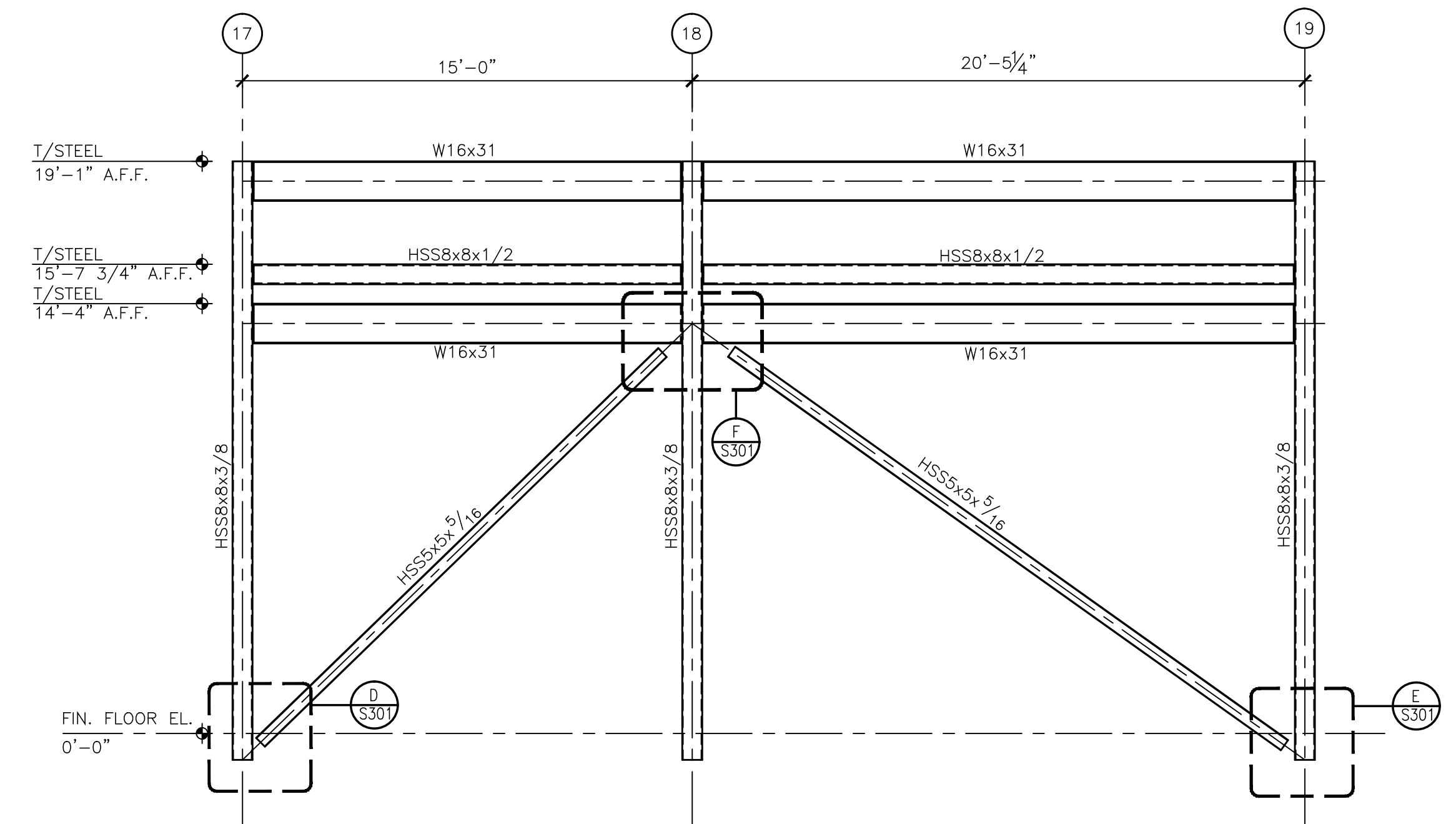
**SHEARWALL REINFORCING ELEVATIONS**

DATE: 11 MAY, 2018  
D.B.: MSK  
C.B.: DJC  
JOB NO.: 17087

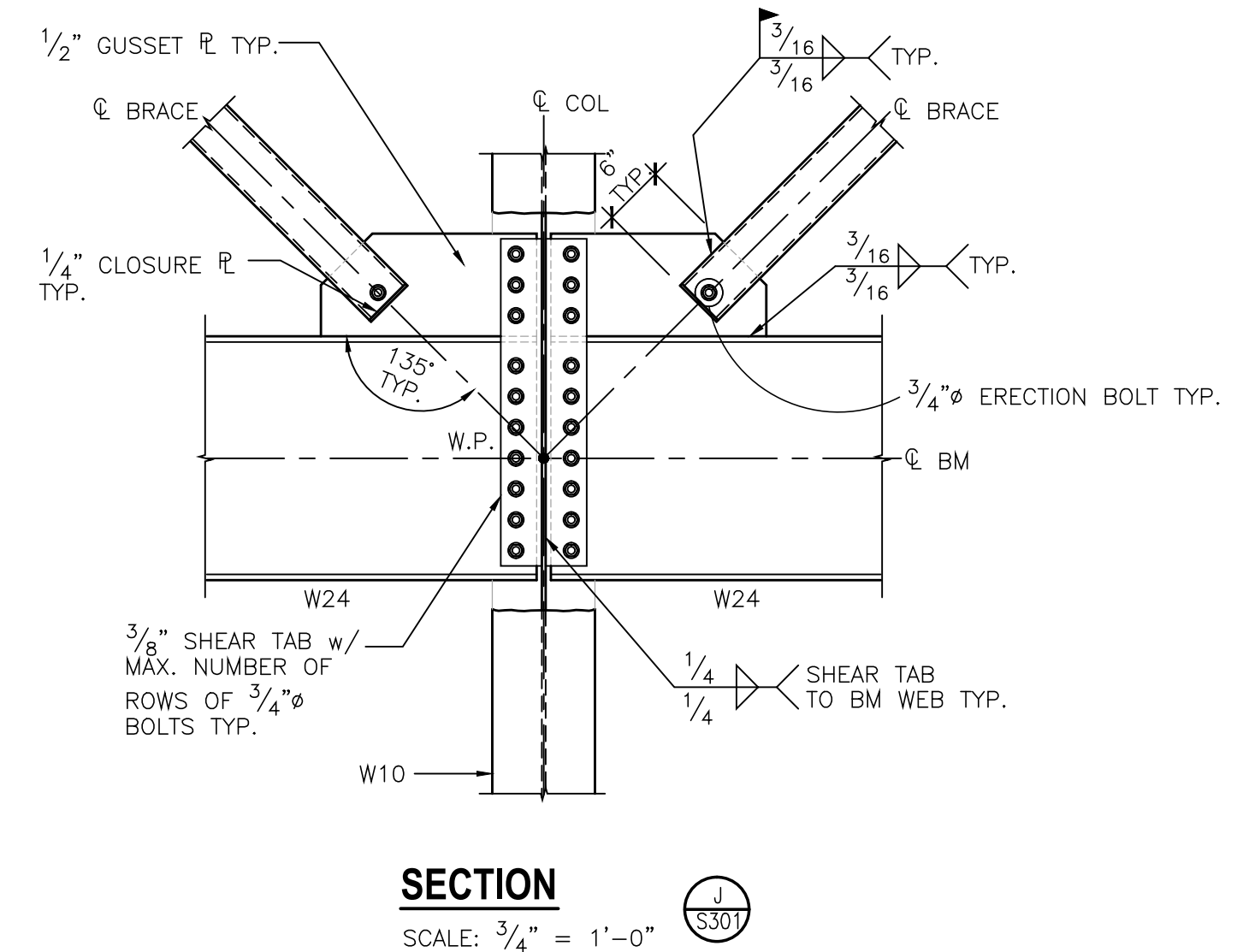
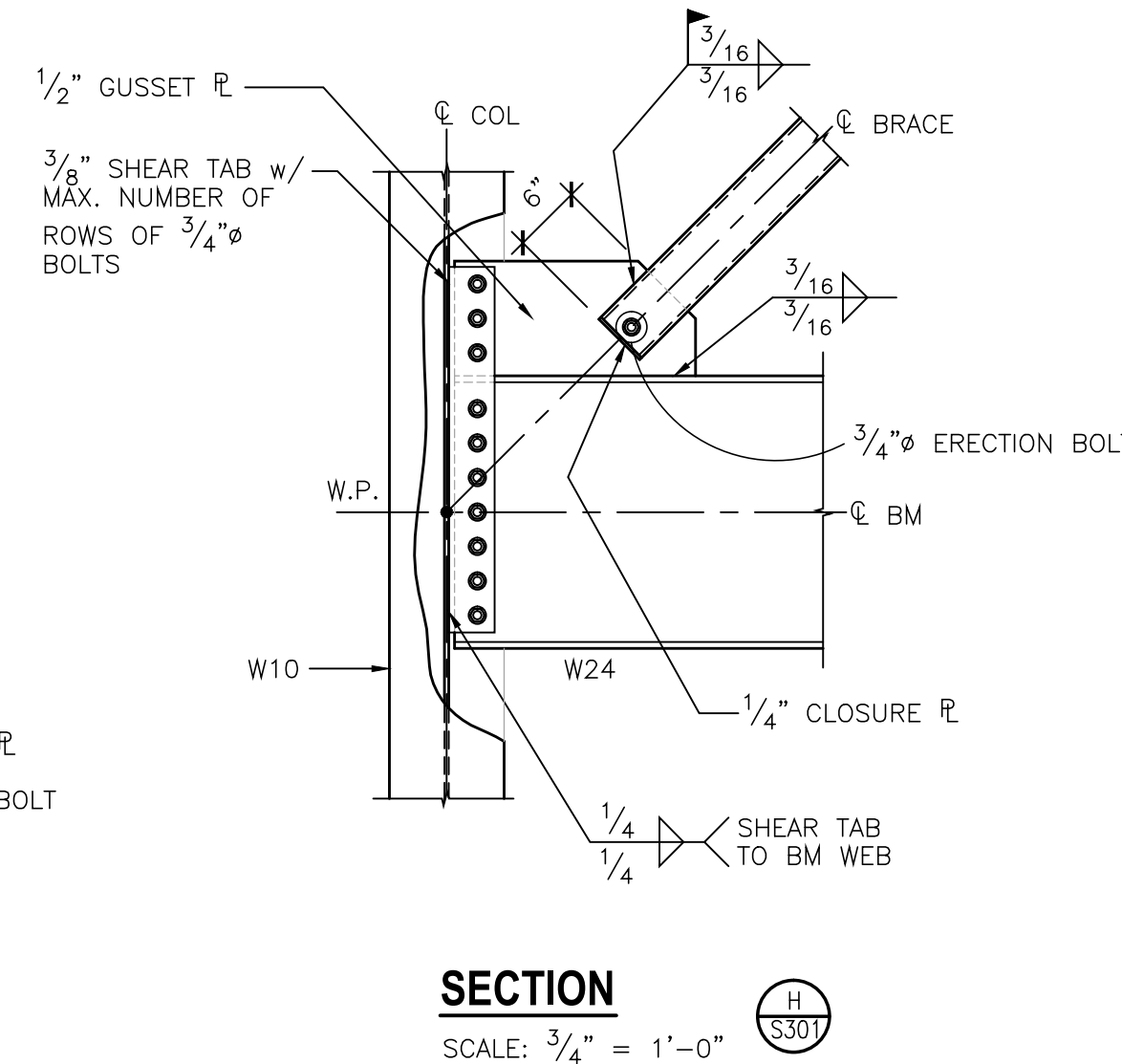
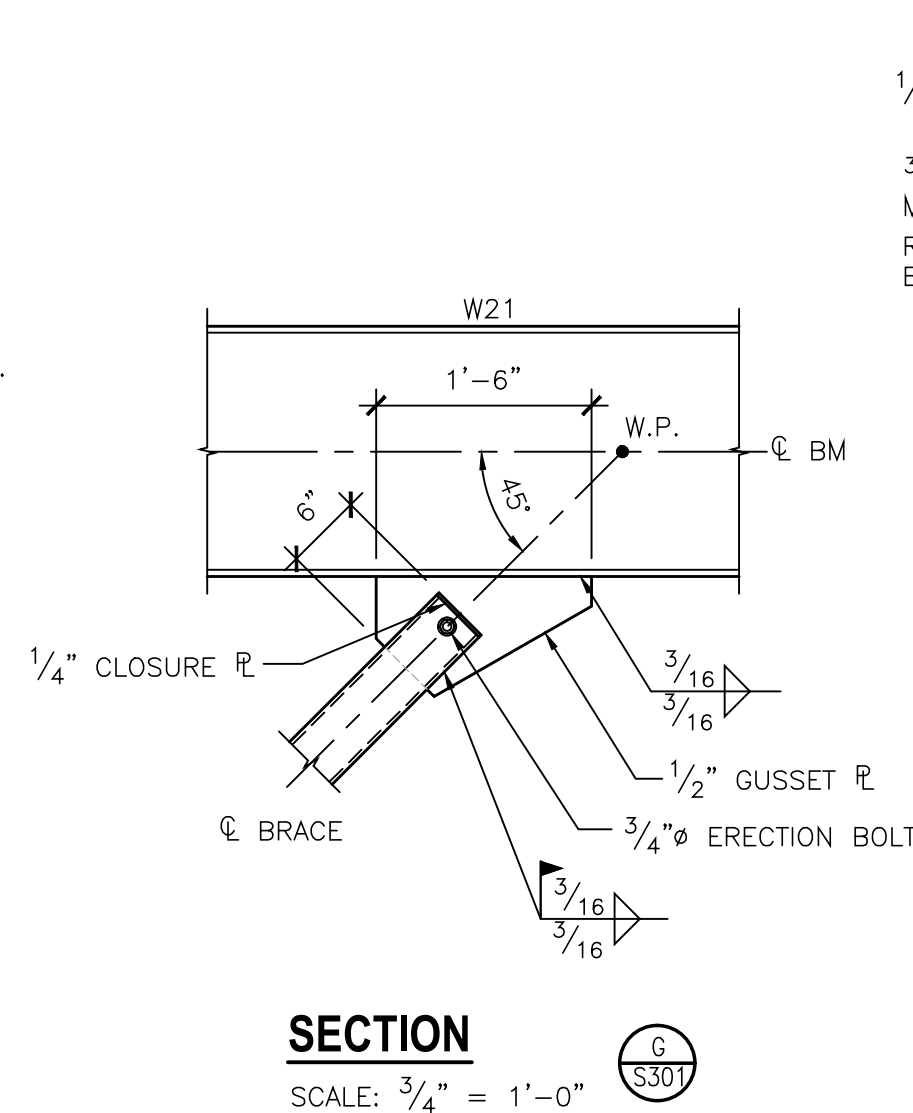
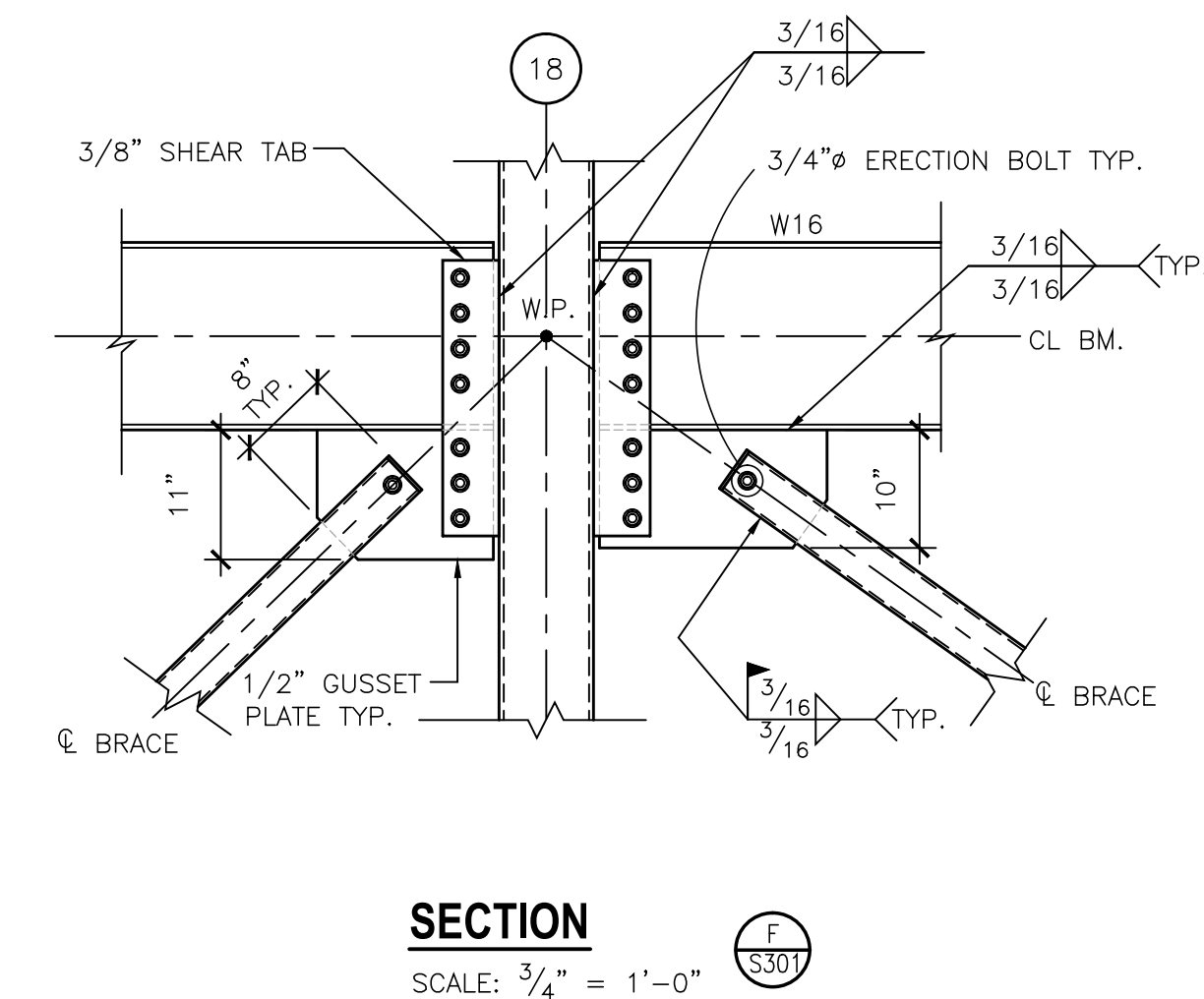
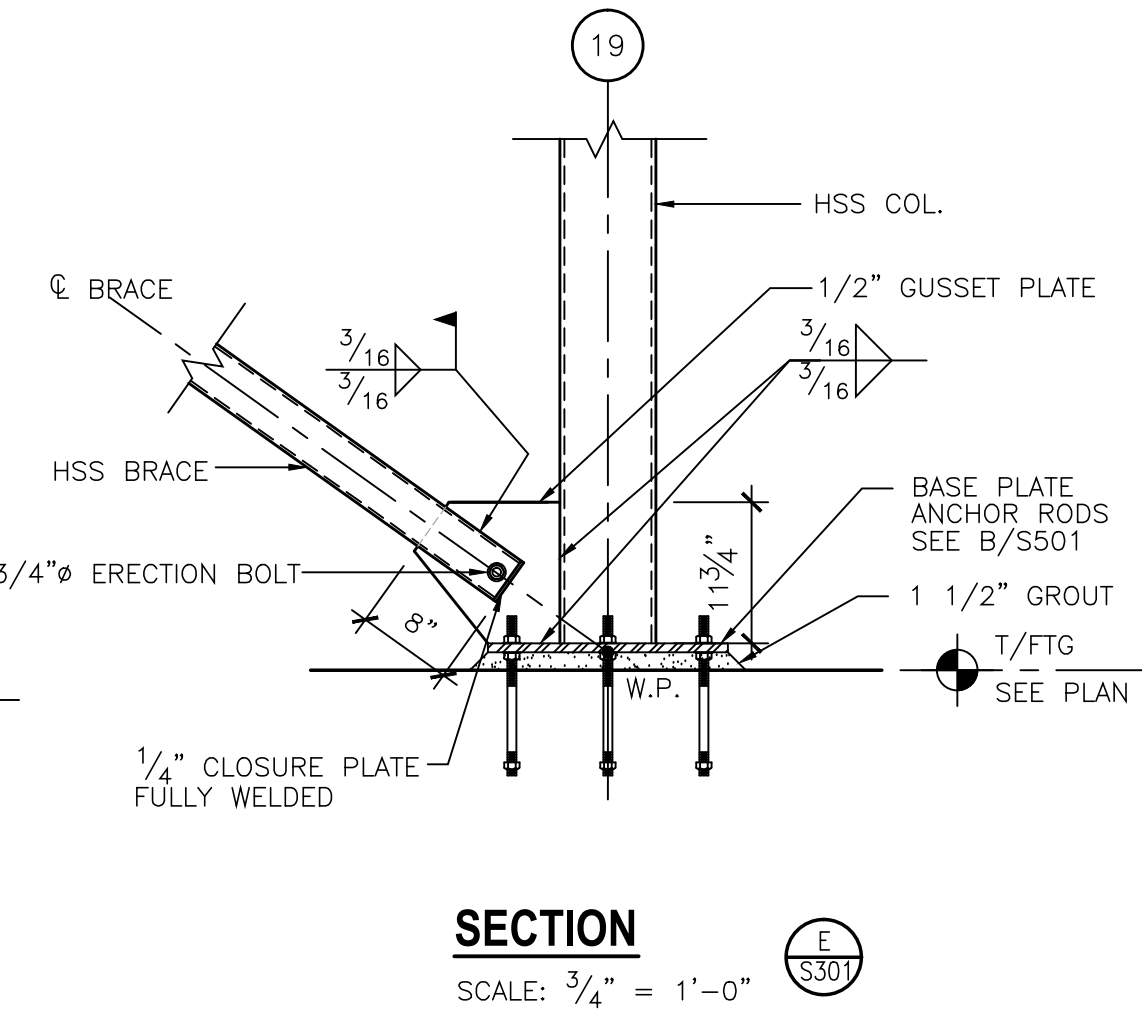
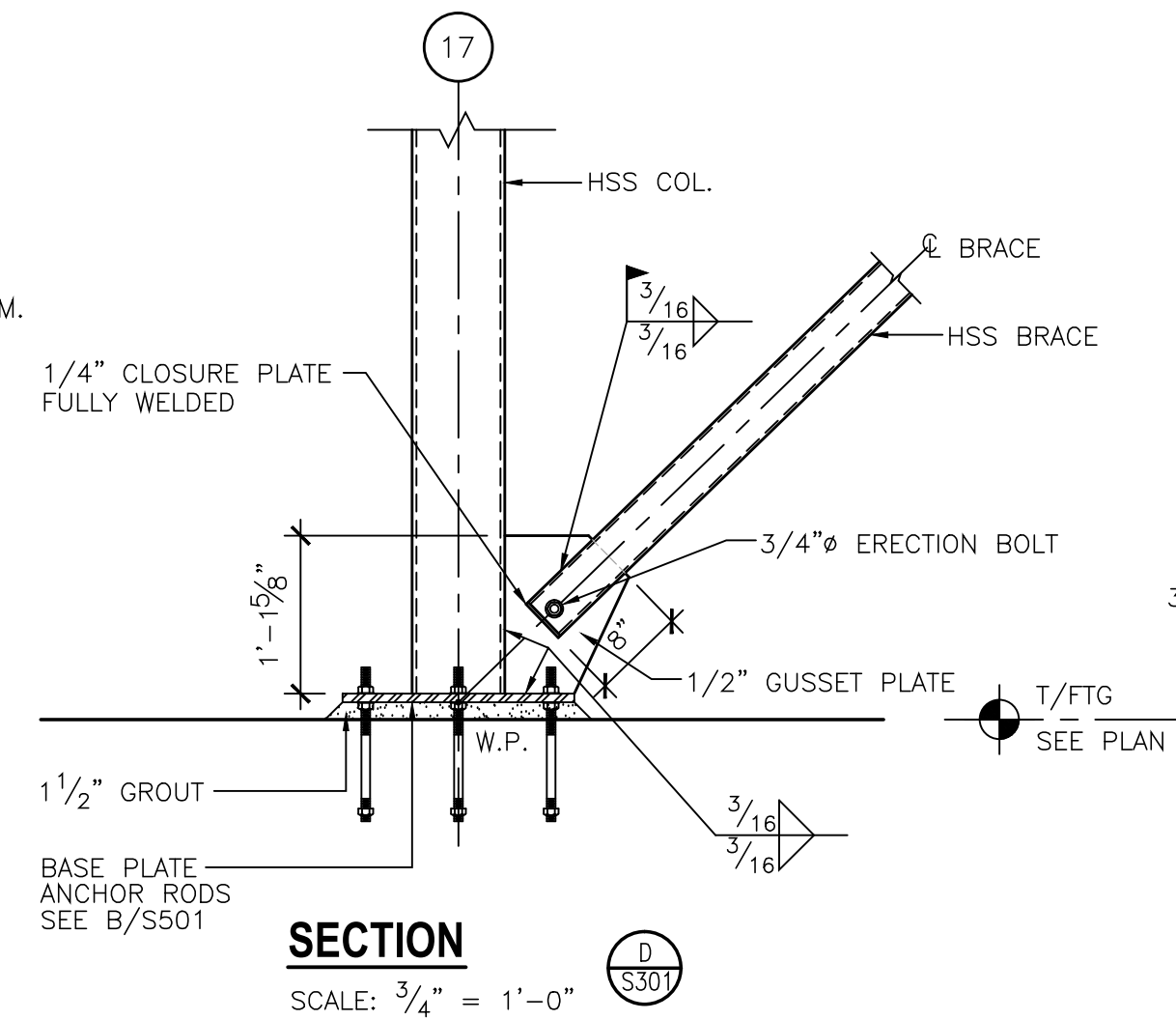
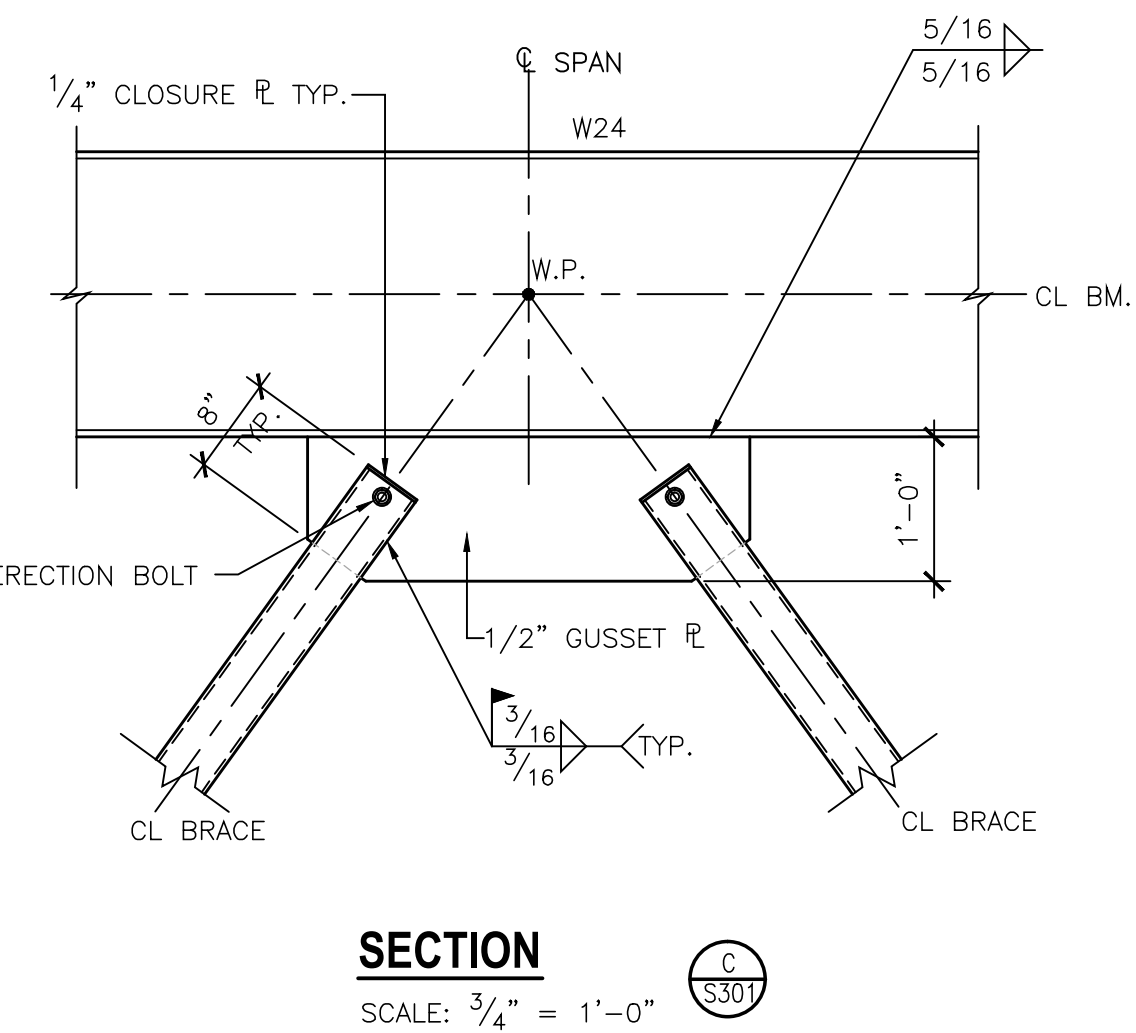
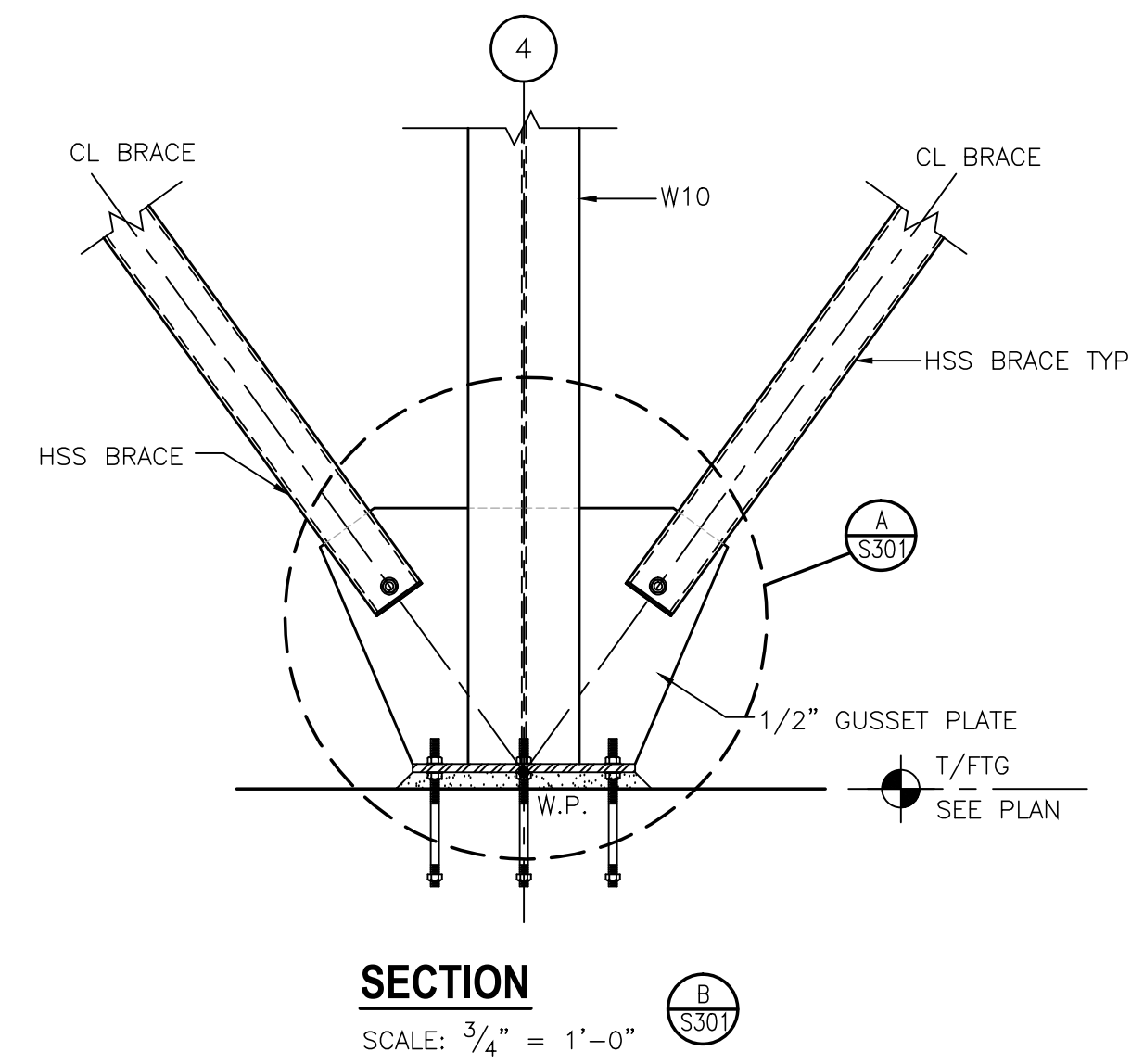
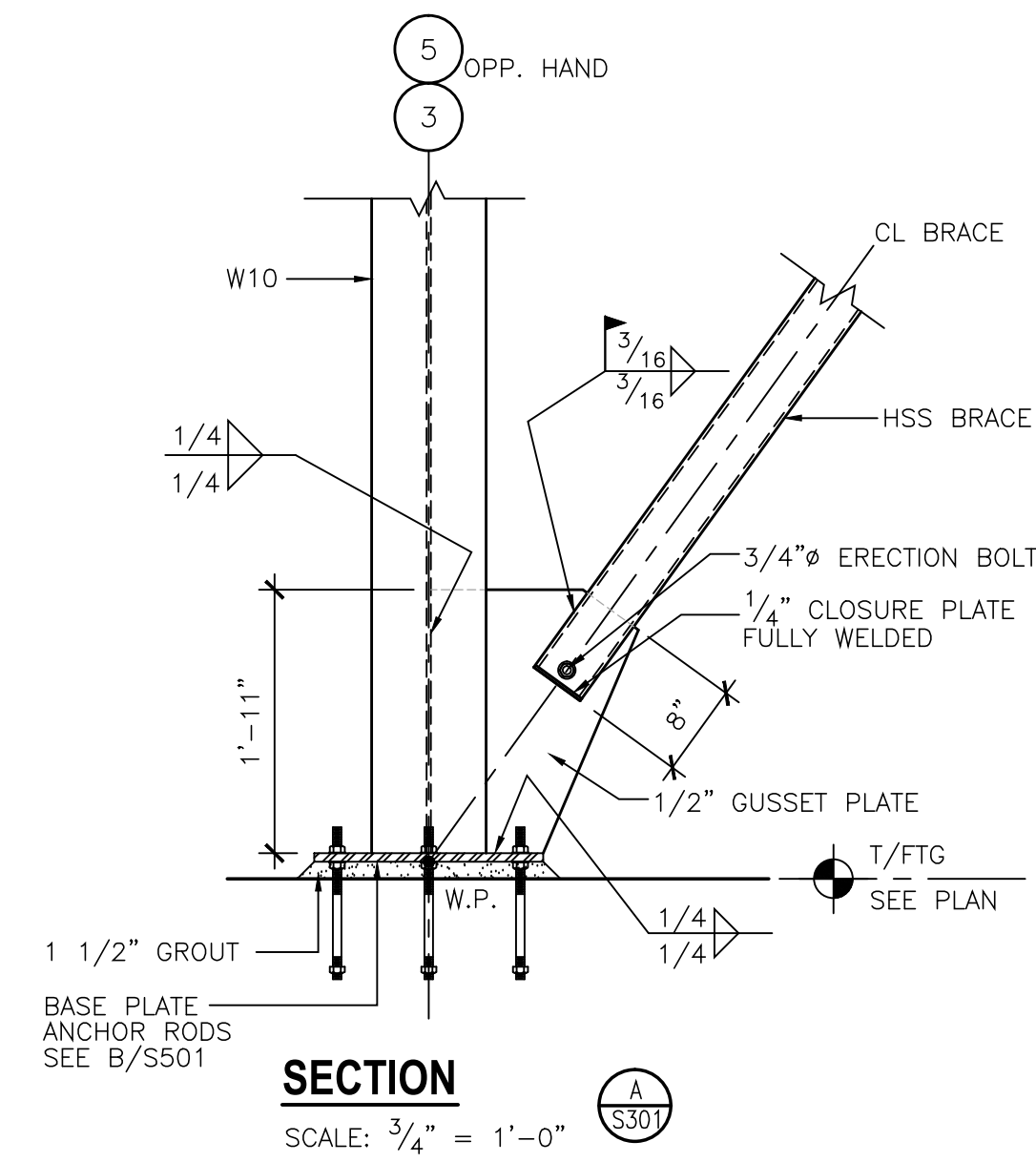




**BRACED FRAME ELEVATION - LINE "D"**  
SCALE: 1/4" = 1'-0"



**BRACED FRAME ELEVATION - LINE "E"**  
SCALE: 1/4" = 1'-0"



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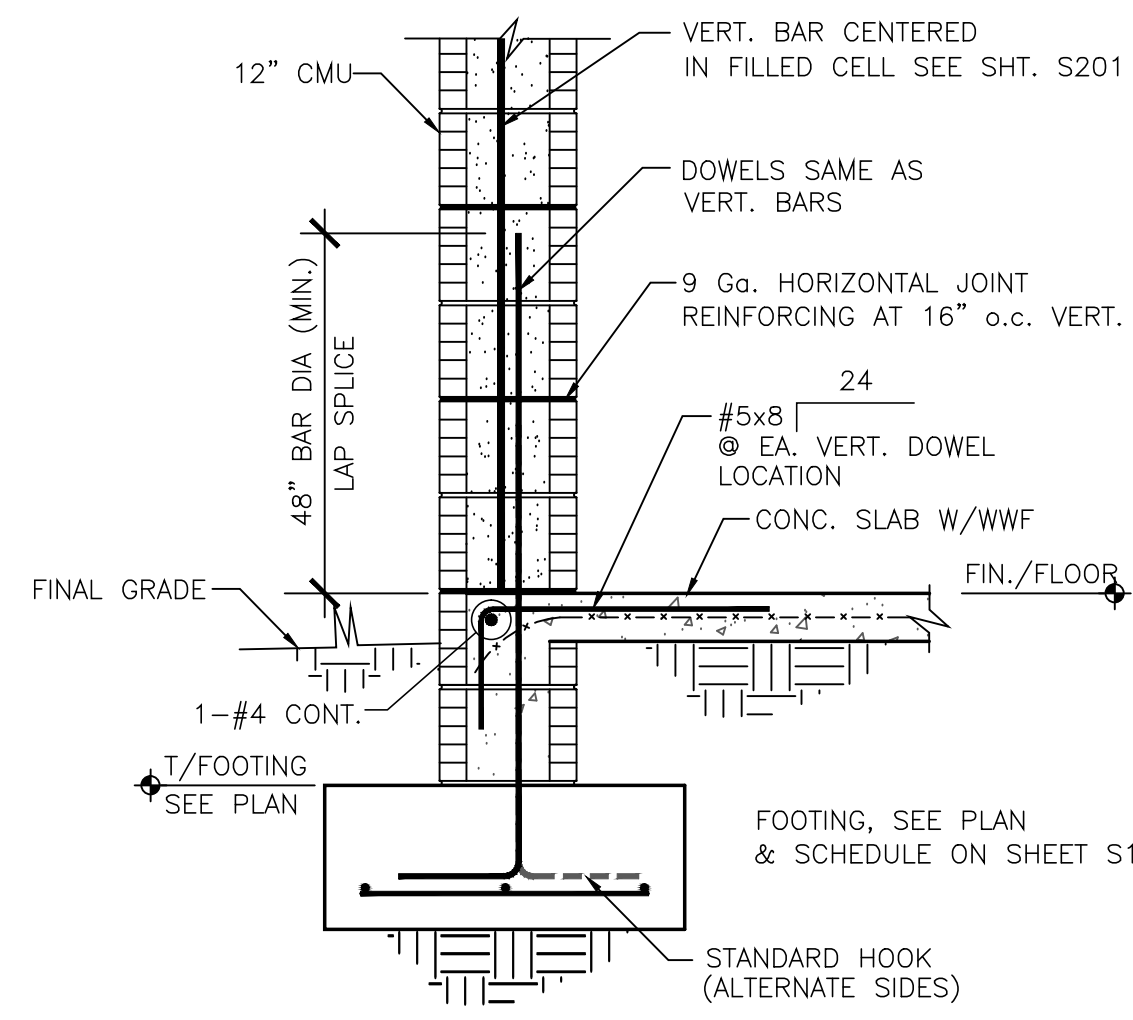
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11/20/2019	1 ISSUED FOR BID	

**SECTIONS & DETAILS**

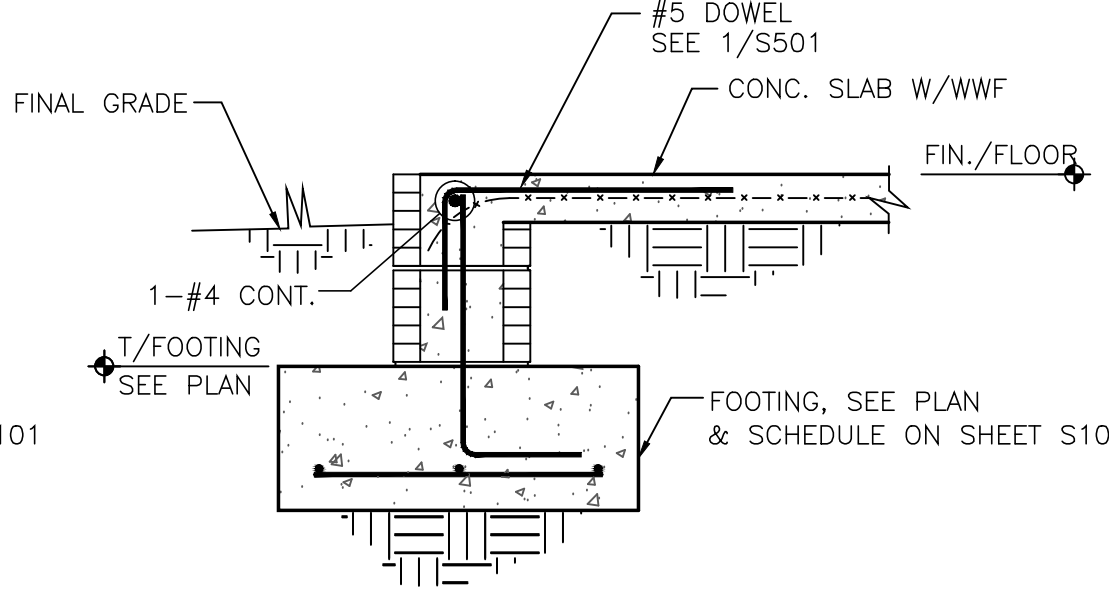
DATE: 11 MAY, 2018  
D.B.: MSK  
C.B.: DJC  
JOB NO.: 17087

**S301**  
95% CDS

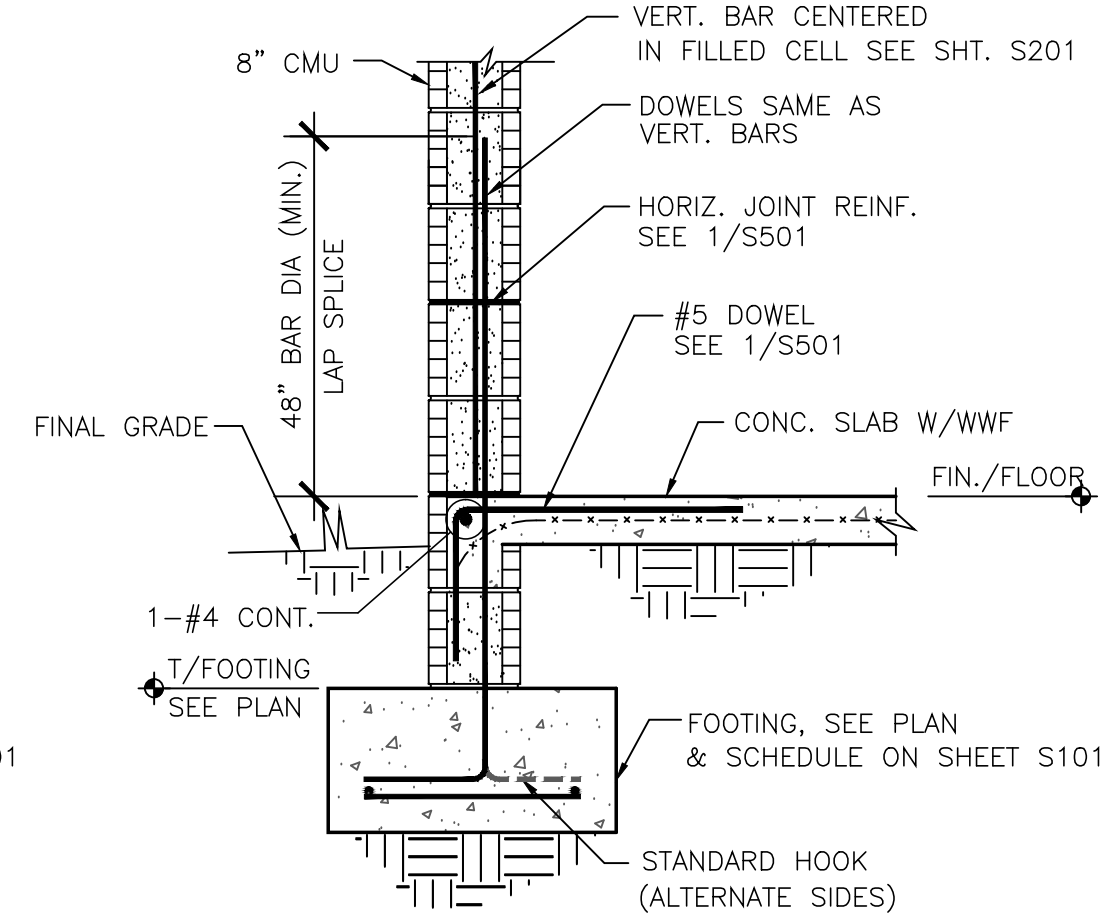




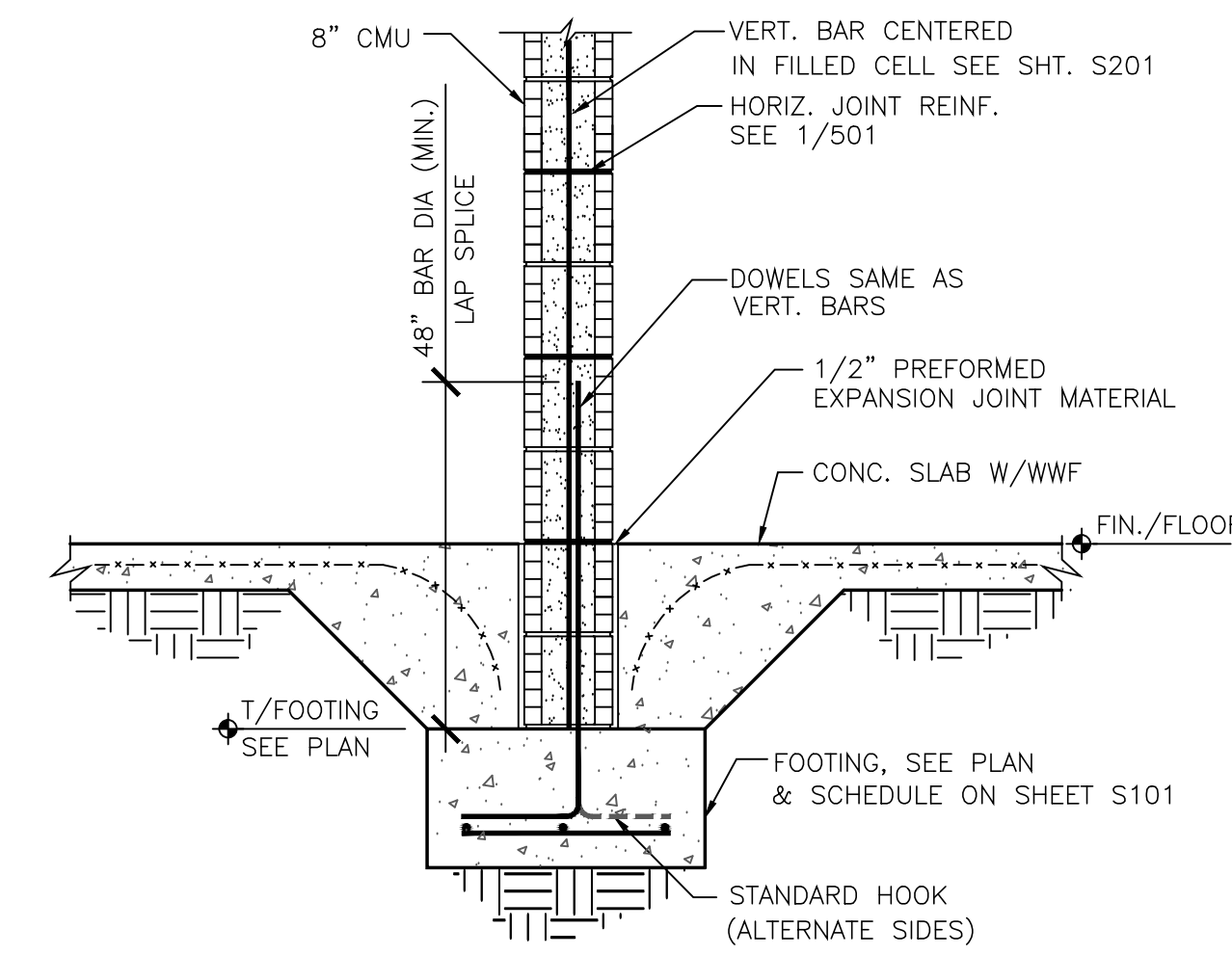
**SECTION 1**  
SCALE: 3/4" = 1'-0"



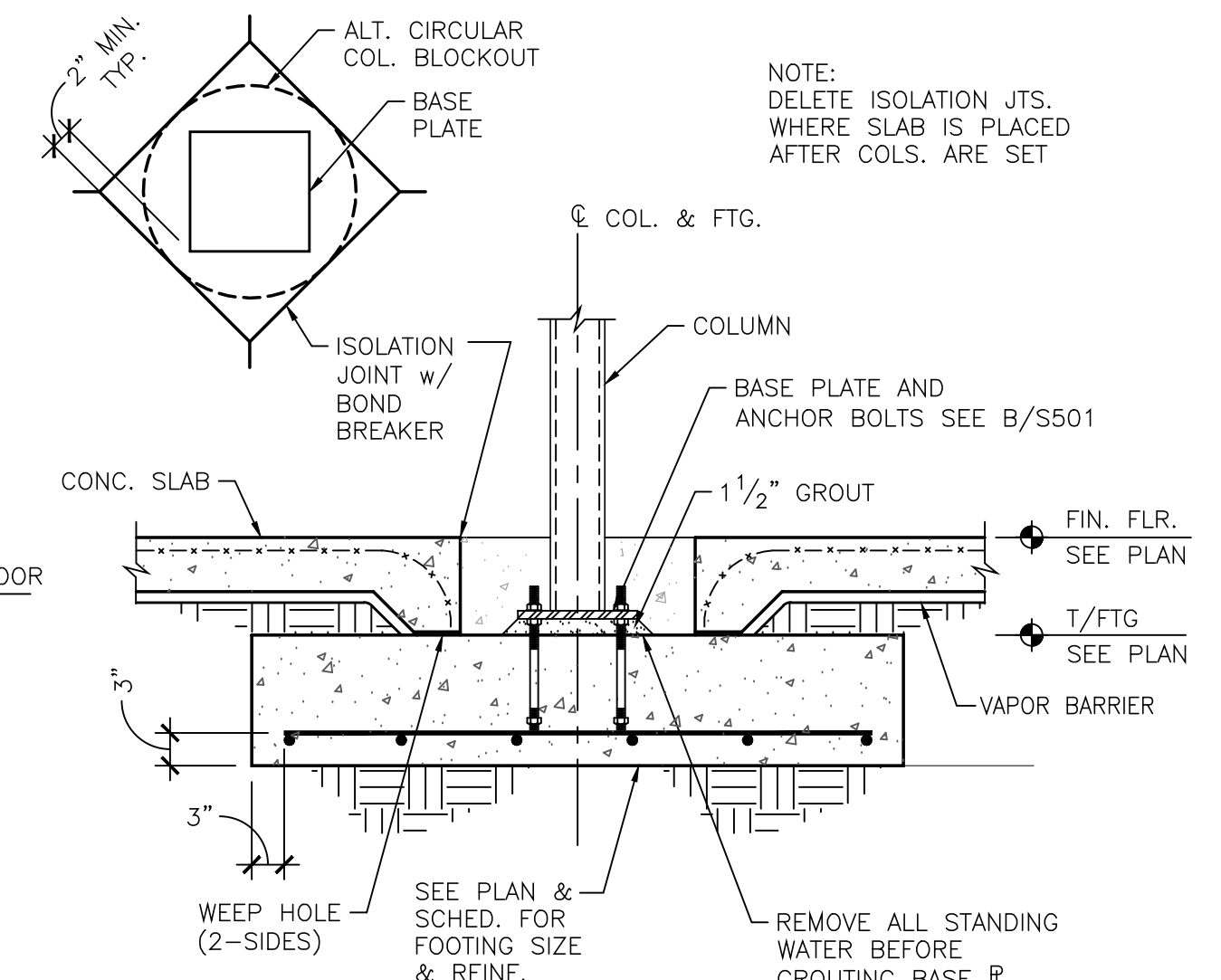
**SECTION 2**  
SCALE: 3/4" = 1'-0"



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

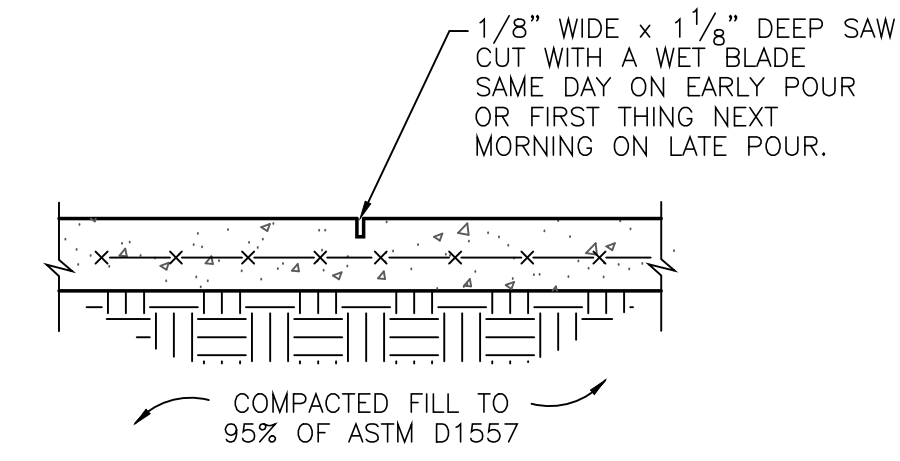


**SECTION 4**  
SCALE: 3/4" = 1'-0"

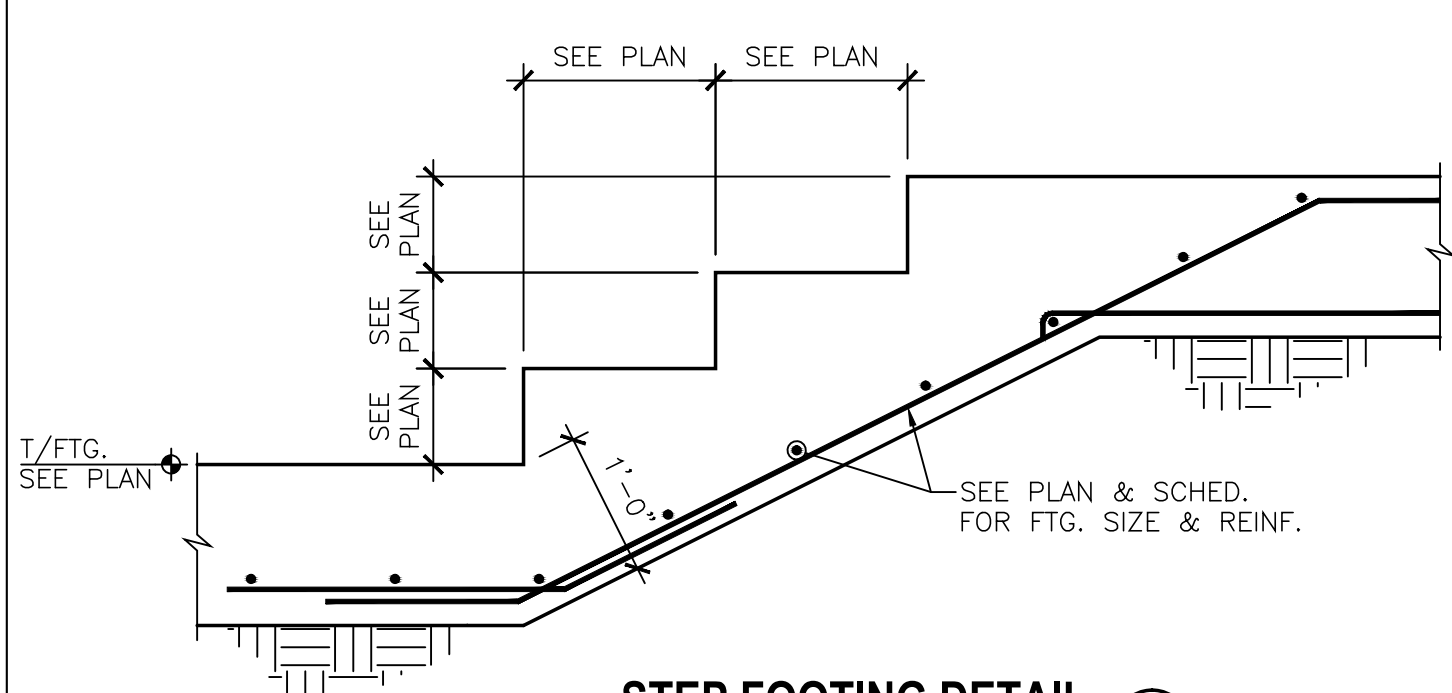


**INTERIOR COLUMN FOOTING SECTION 5**  
SCALE: 3/4" = 1'-0"

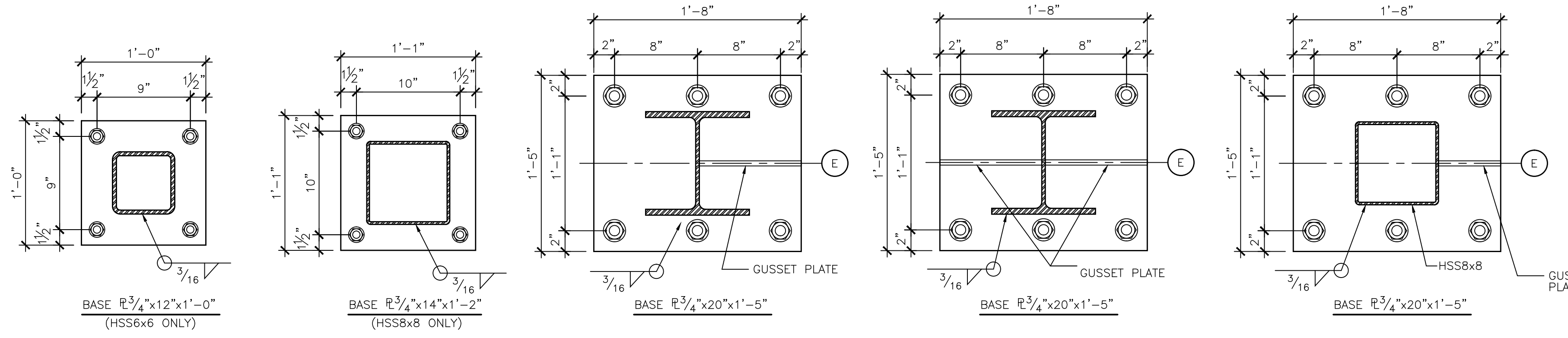
NOTE:  
DELETE ISOLATION JTS.  
WHERE SLAB IS PLACED  
AFTER COLS. ARE SET



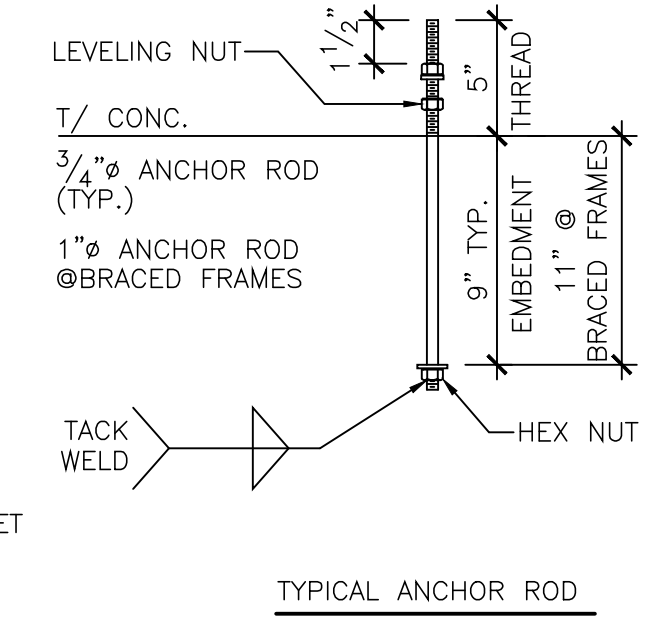
**TYPICAL CONTROL JOINT (C.J.) 1**  
NOT TO SCALE



**STEP FOOTING DETAIL 6**  
SCALE: 3/4" = 1'-0"



**BASE PLATE & ANCHOR BOLT DETAILS 8**  
SCALE: 1 1/2" = 1'-0"



**TYPICAL ANCHOR ROD**

**BHIDE & HALL ARCHITECTS, P.A.**  
1129 KINGSLEY AVENUE, SUITE C ORANGE PARK, FLORIDA 32073  
TEL: (904) 264-1919 LIC. NO. A.C.000869

**STRUCTURES INTERNATIONAL, LLC**  
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JACKSONVILLE, FLORIDA 32206  
TEL: (904) 298-8846 FAX: (904) 298-8846  
E-MAIL: SINT@STRUCTURESINTL.COM

17087  
FLORIDA CERTIFICATE  
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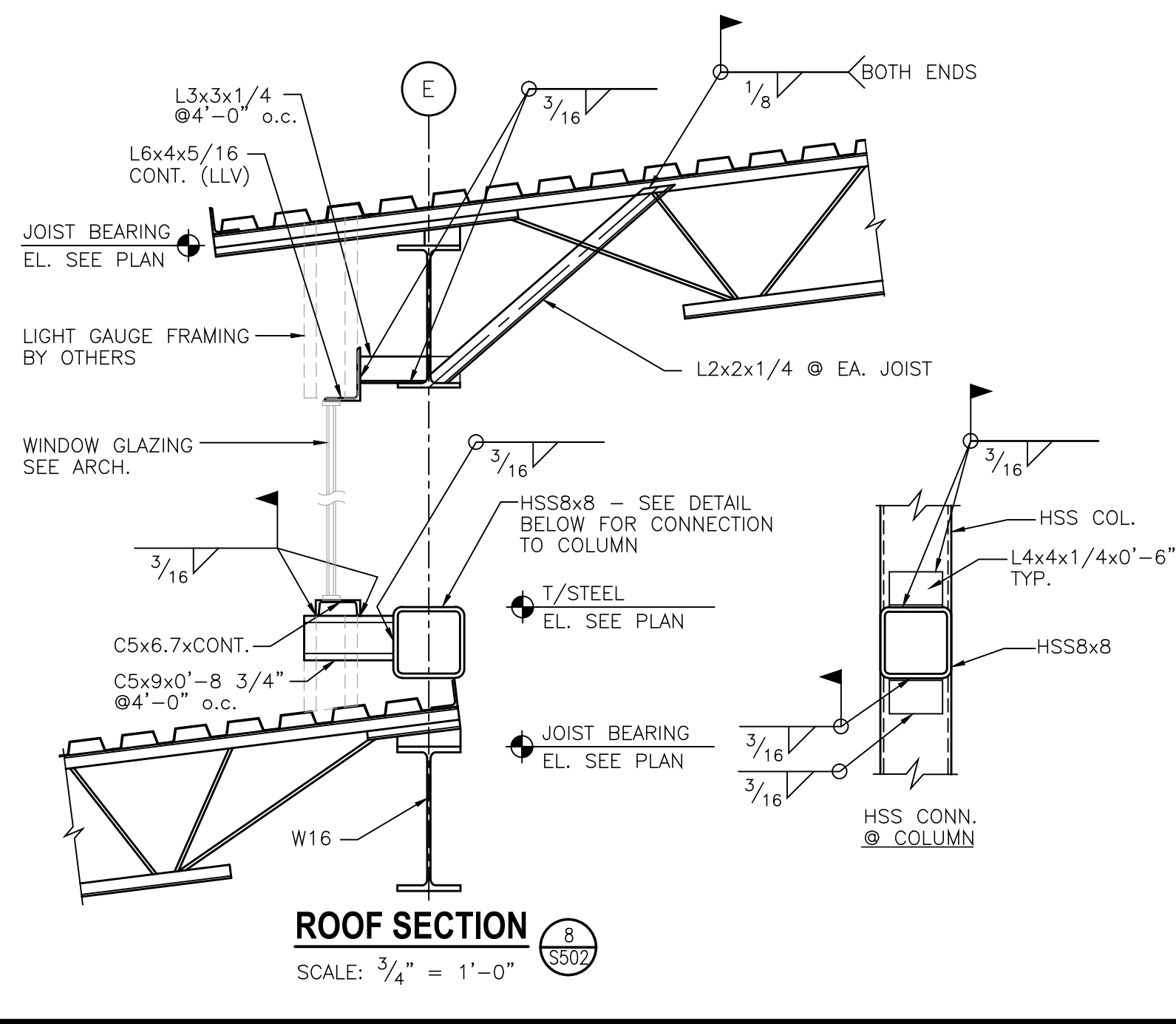
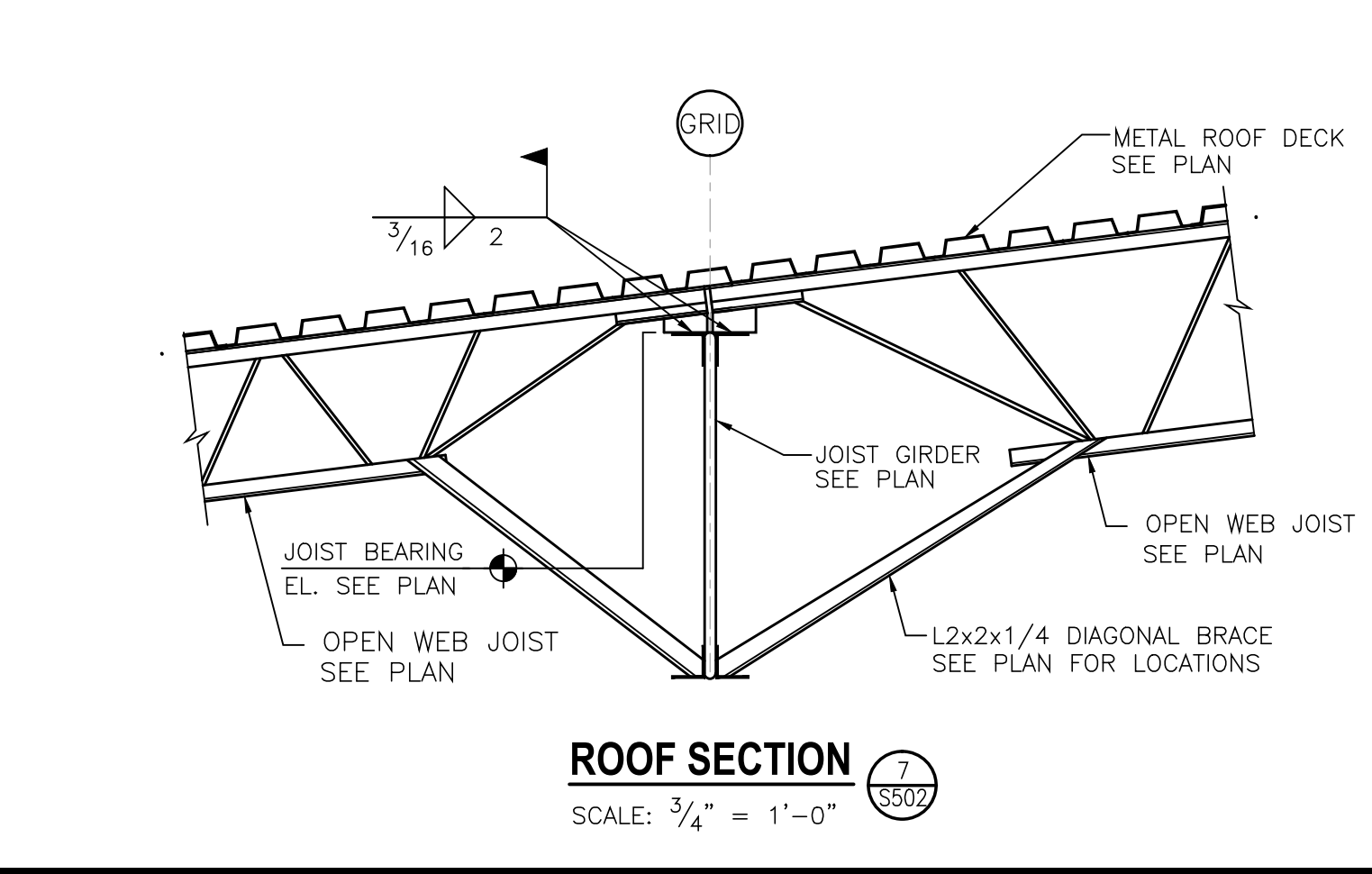
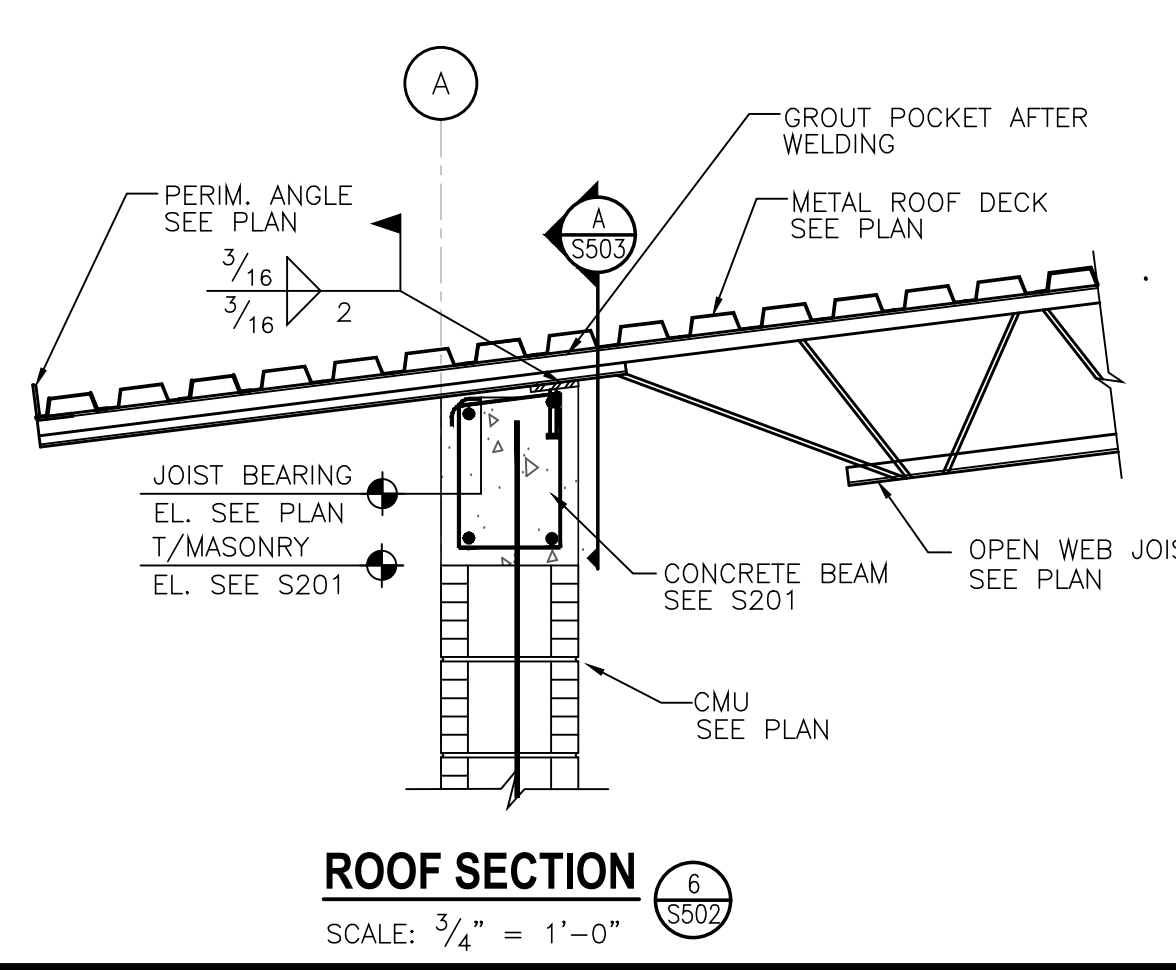
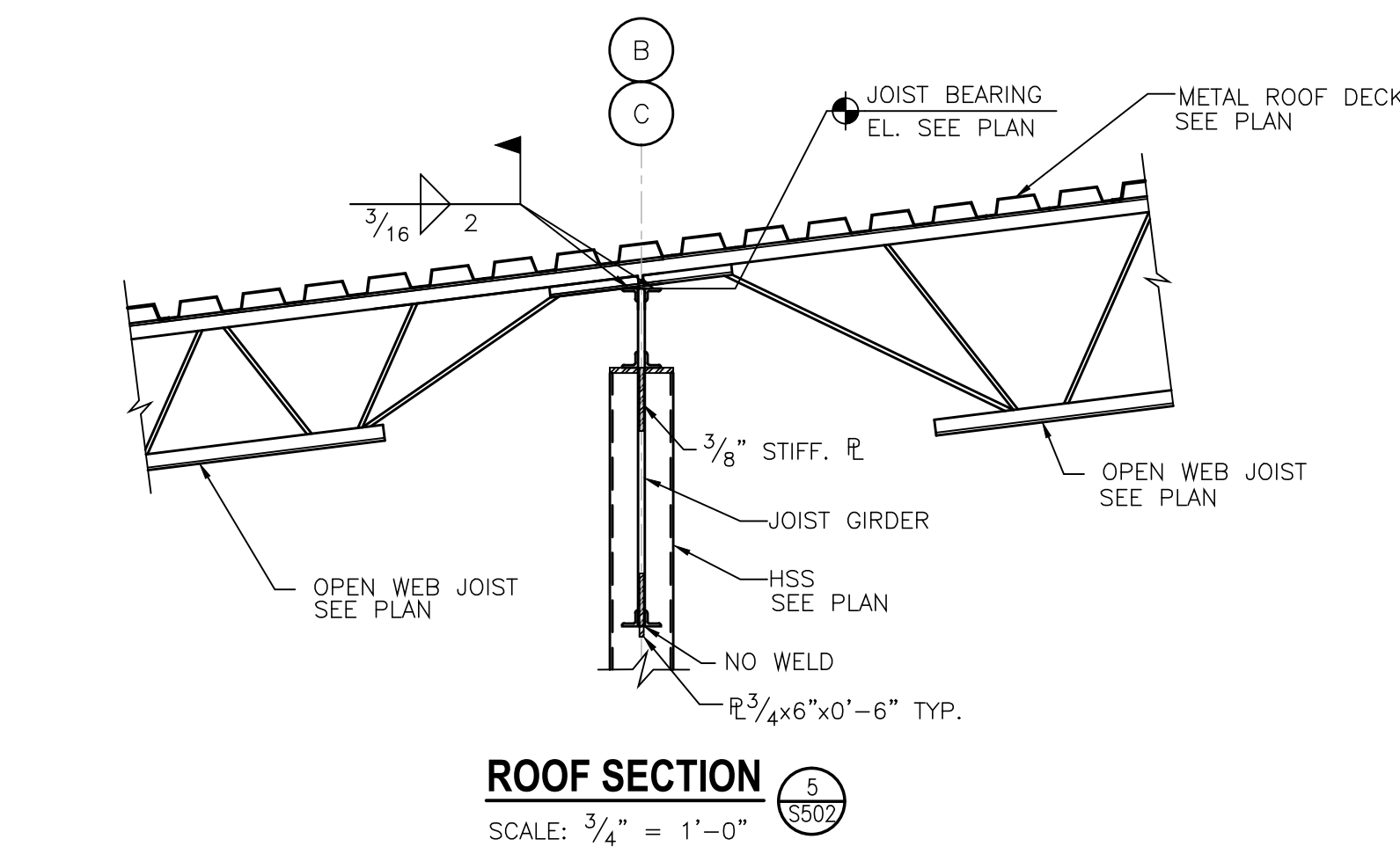
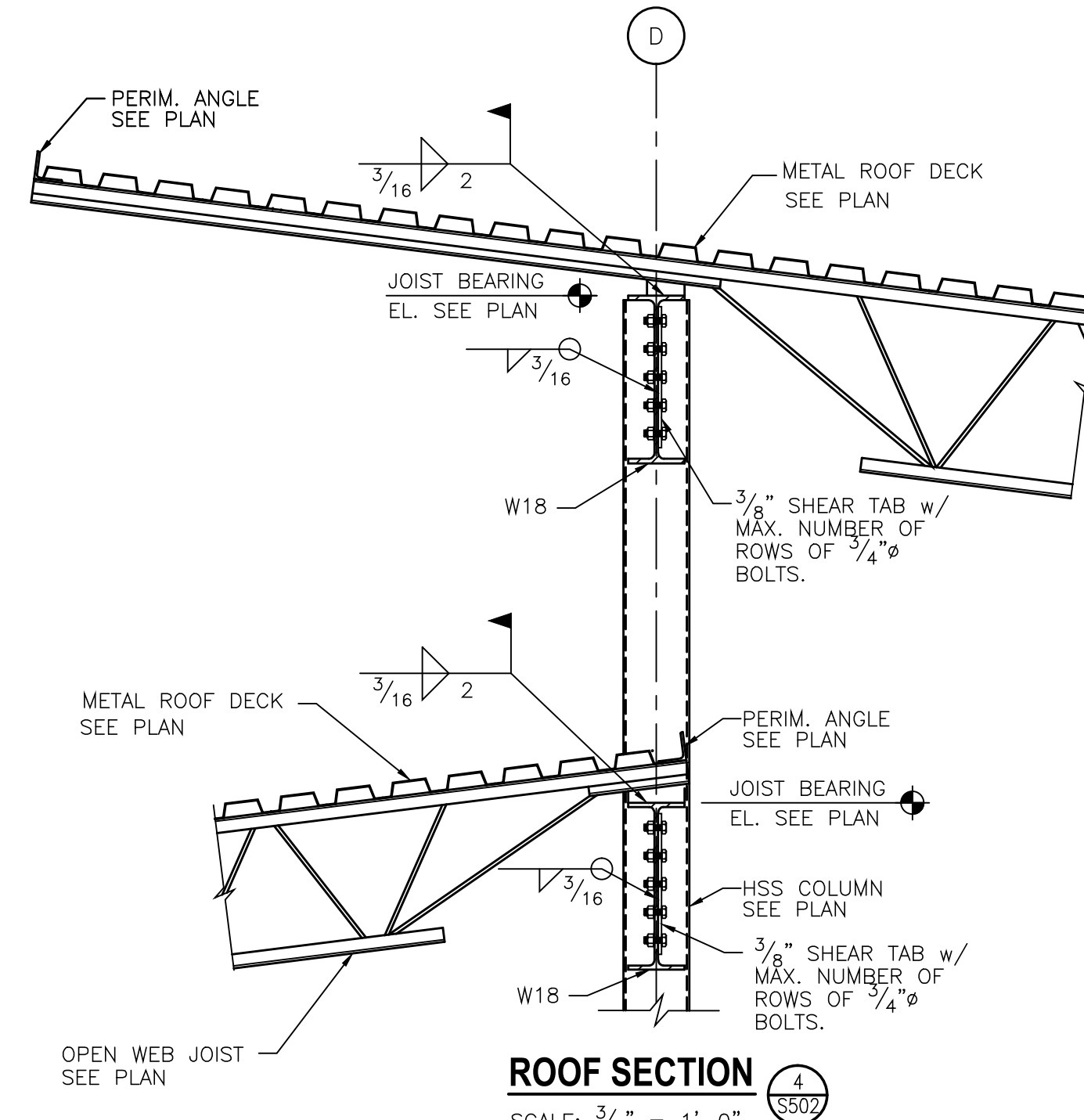
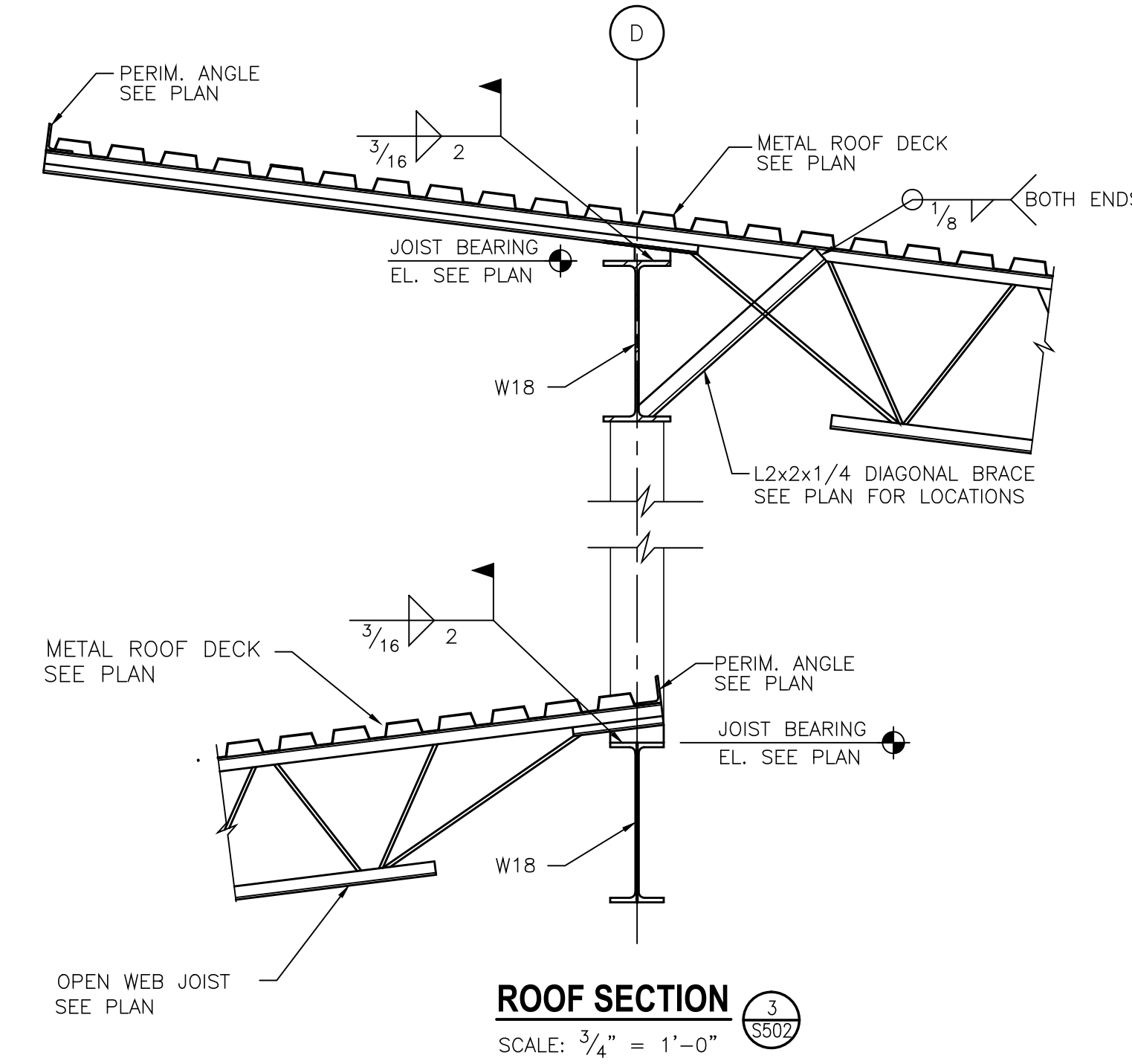
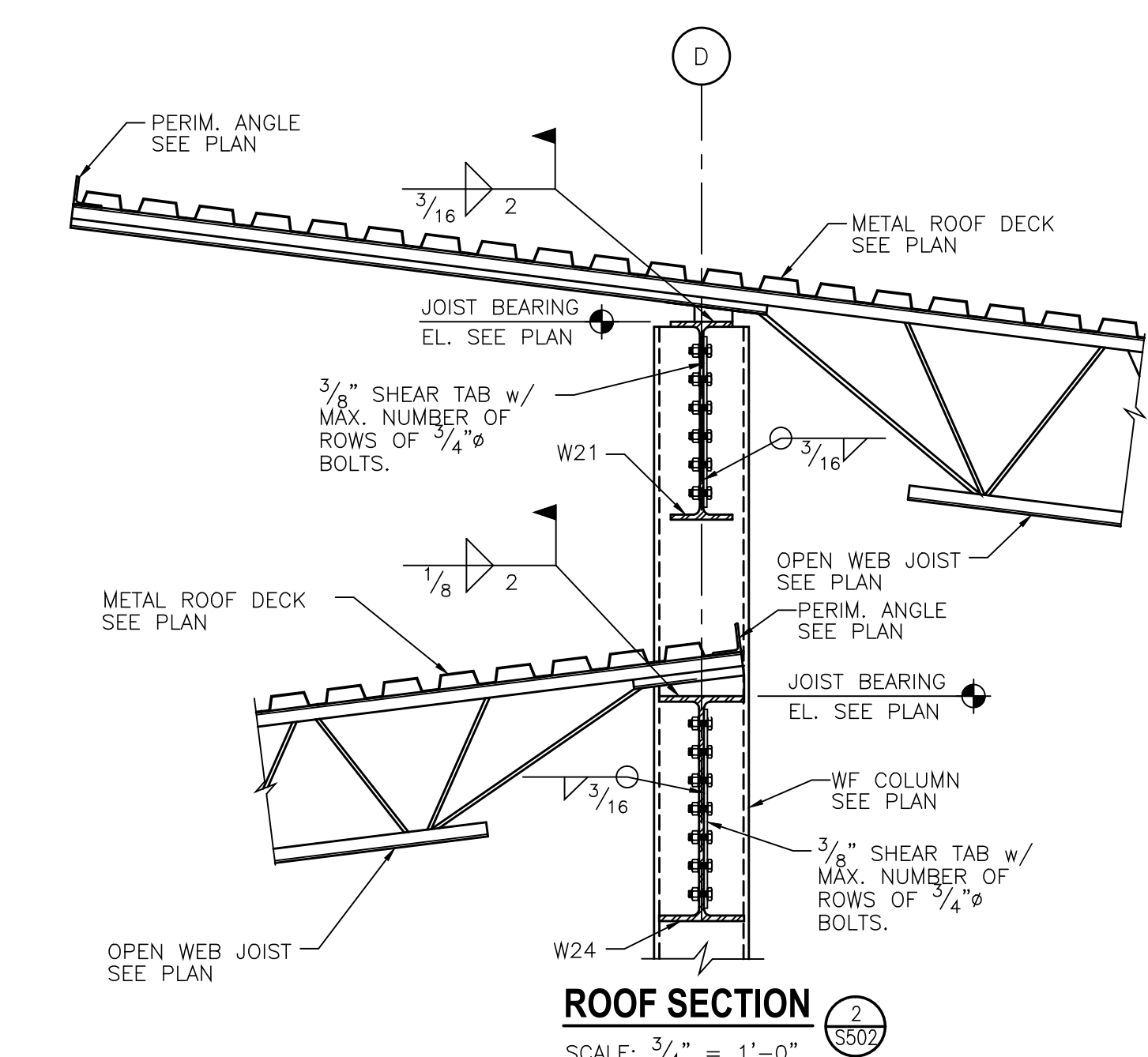
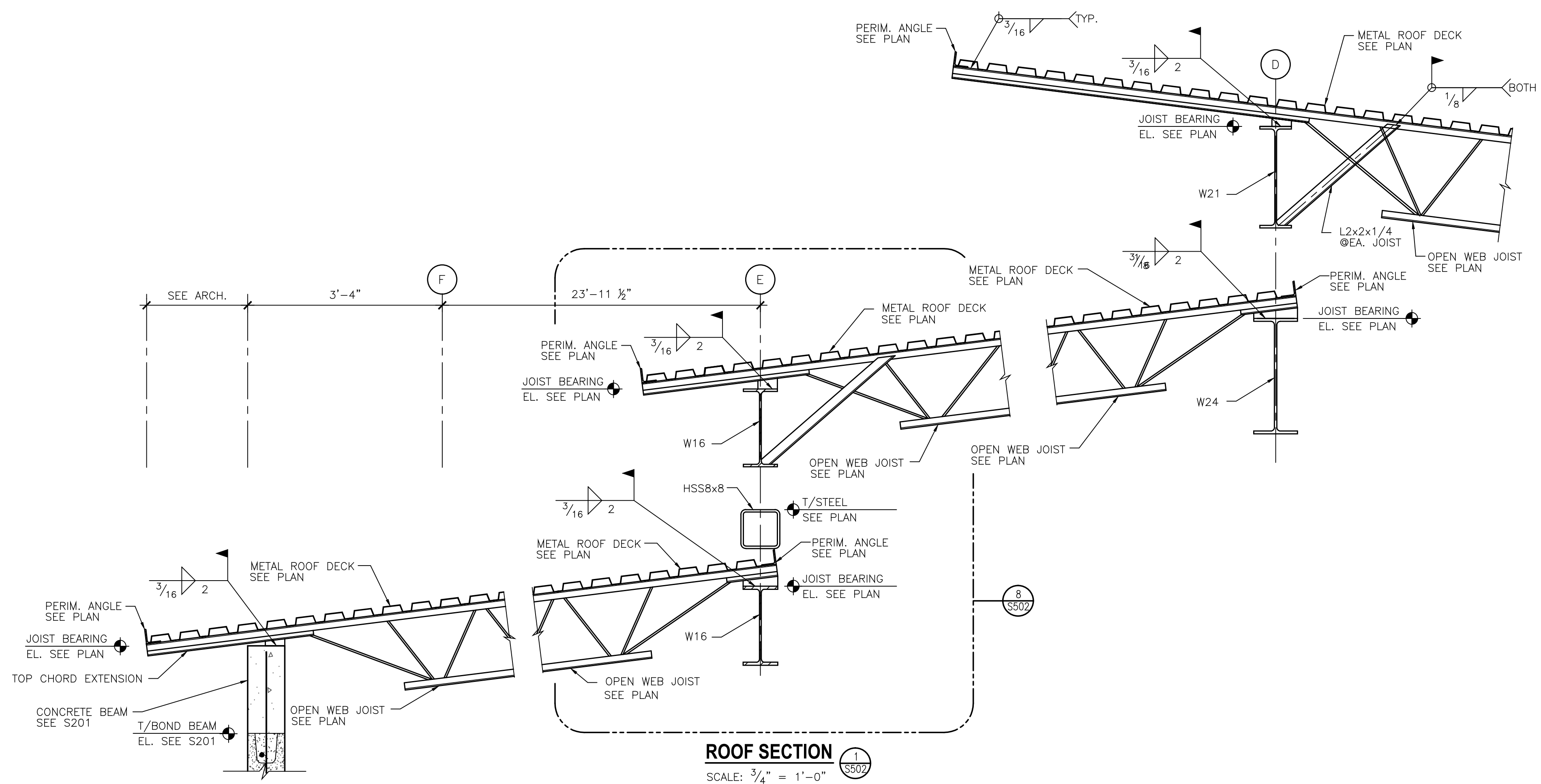
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**SECTIONS & DETAILS**

DATE: 11 MAY, 2018  
D.B.: MSK  
C.B.: DJC  
JOB NO.: 17087

**S501**  
95% CD'S



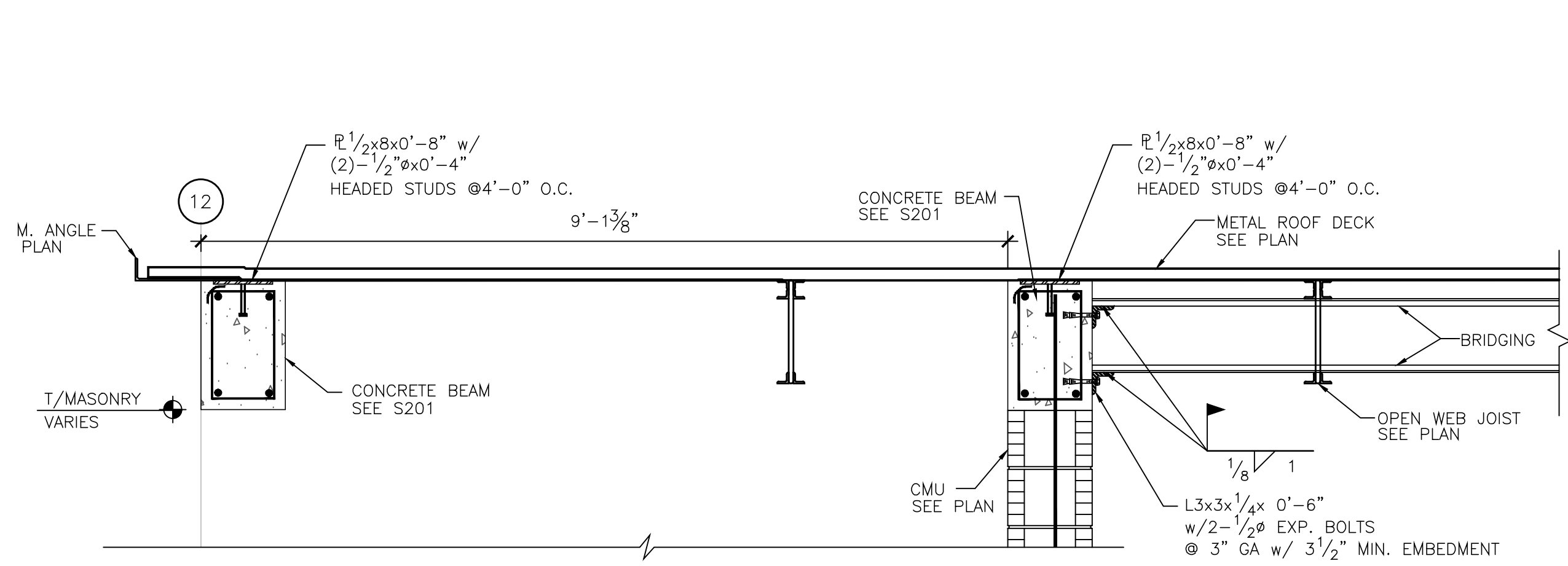


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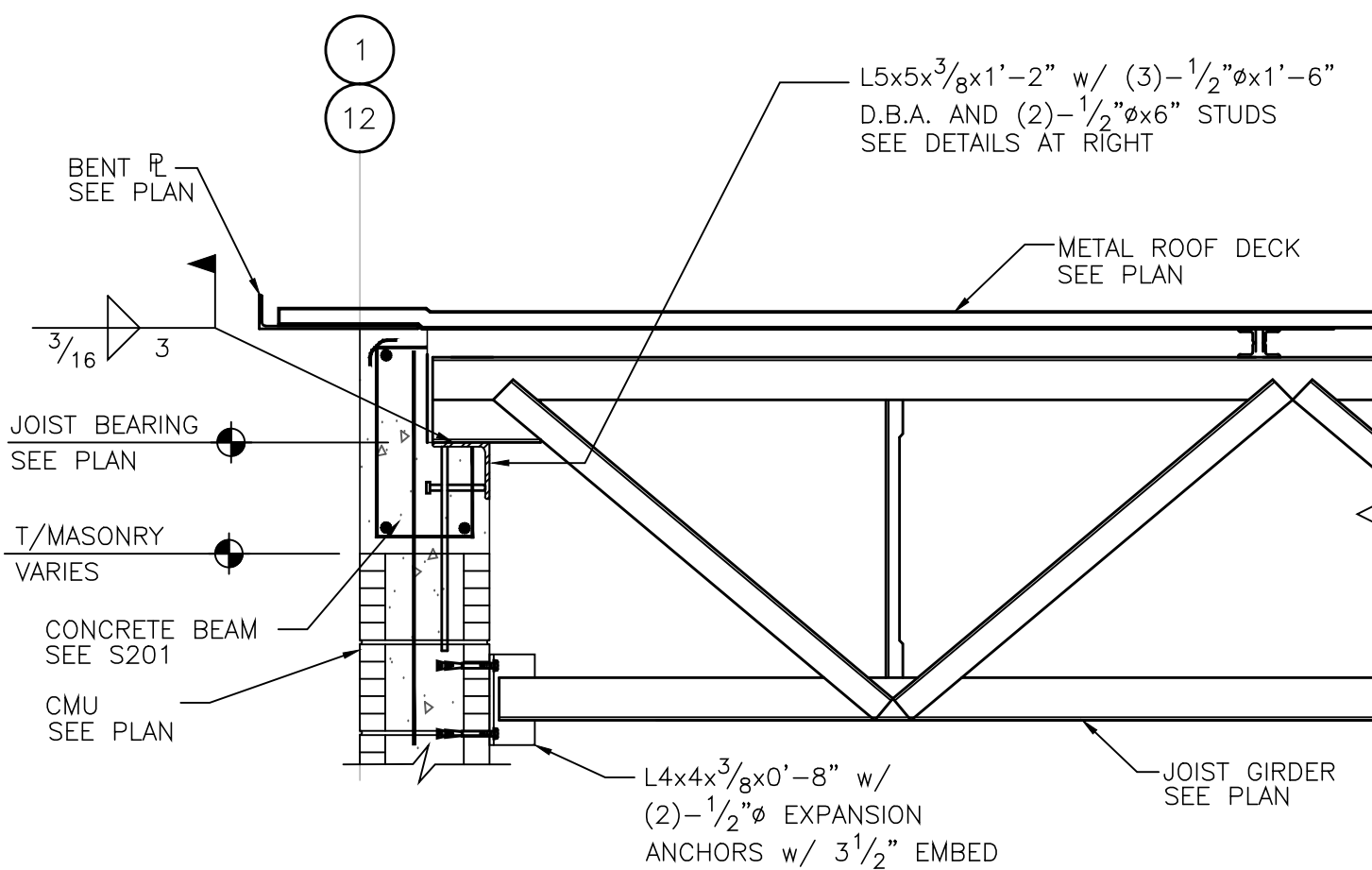
Date	Revision	Seal/Signature
11/20/2019	1 ISSUED FOR BID	

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D.B.:	MSK
C.B.:	DJC
JOB NO.:	17087

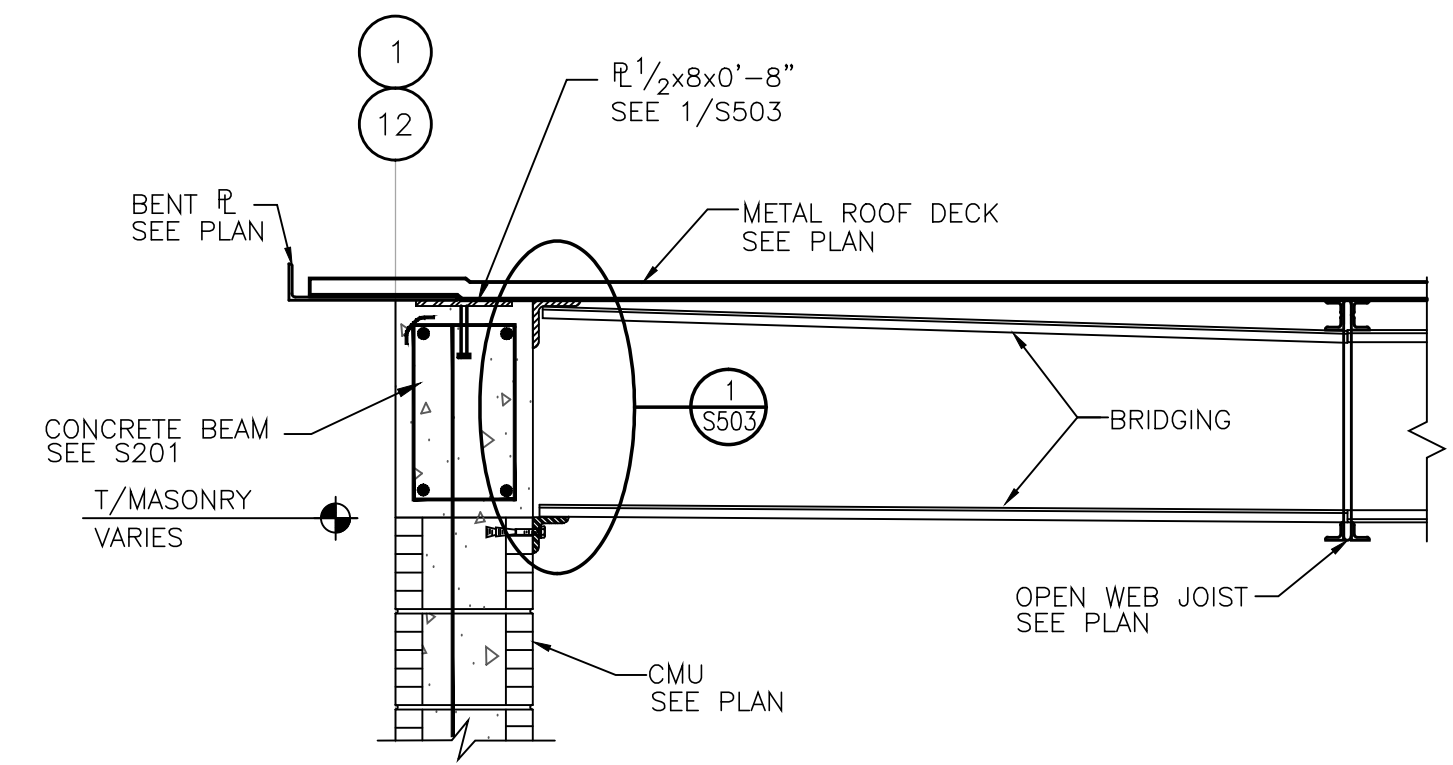




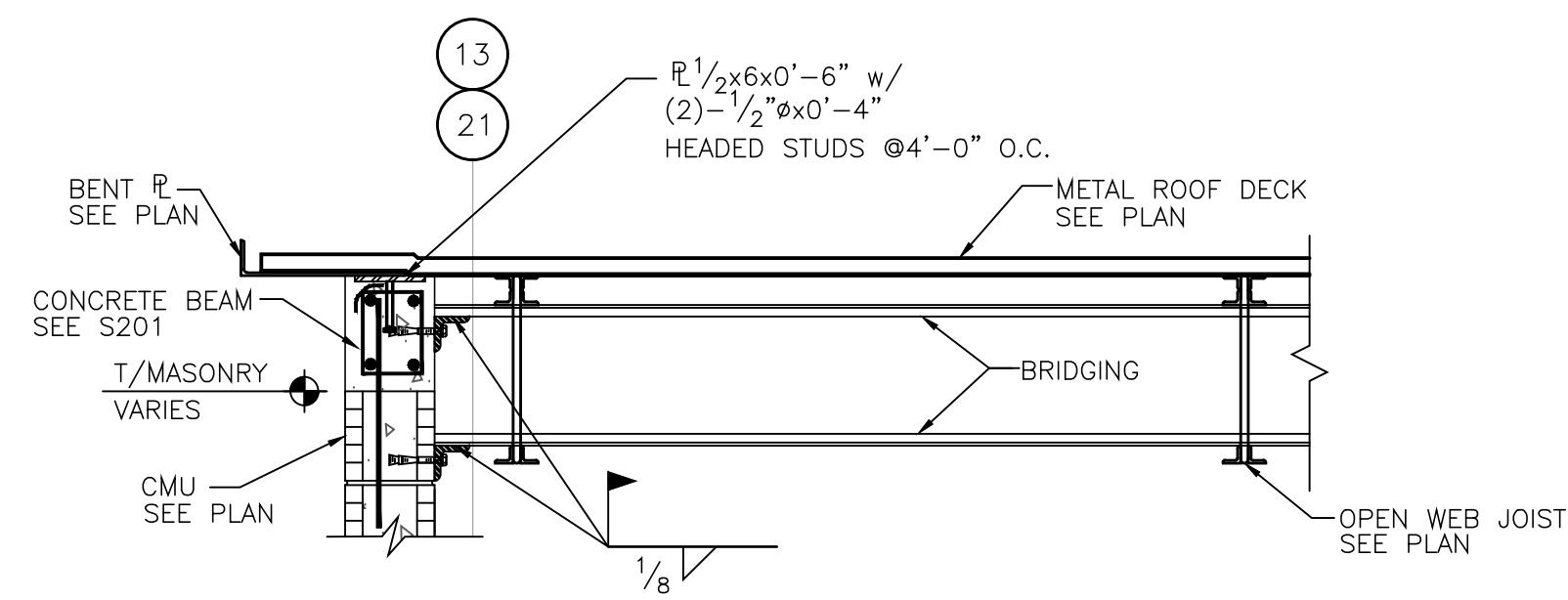
**ROOF SECTION 1**  
SCALE: 3/4" = 1'-0"  
S503



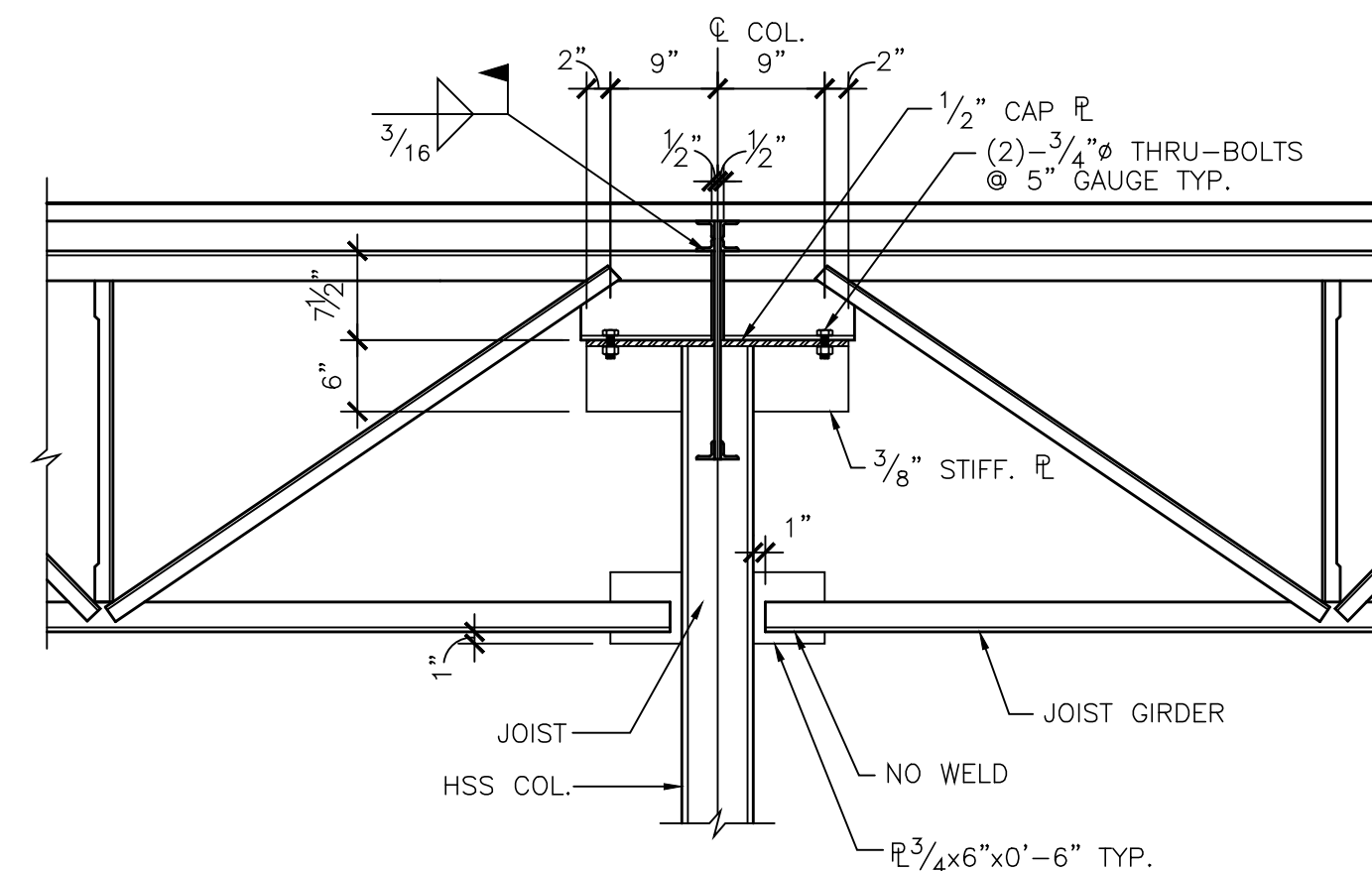
**ROOF SECTION 2**  
SCALE: 3/4" = 1'-0"  
S503



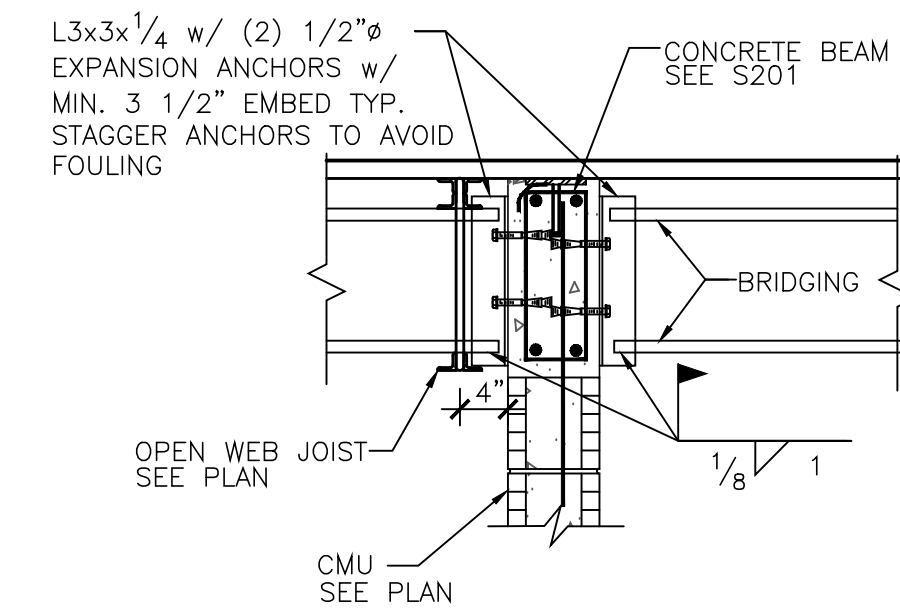
**ROOF SECTION 3**  
SCALE: 3/4" = 1'-0"  
S503



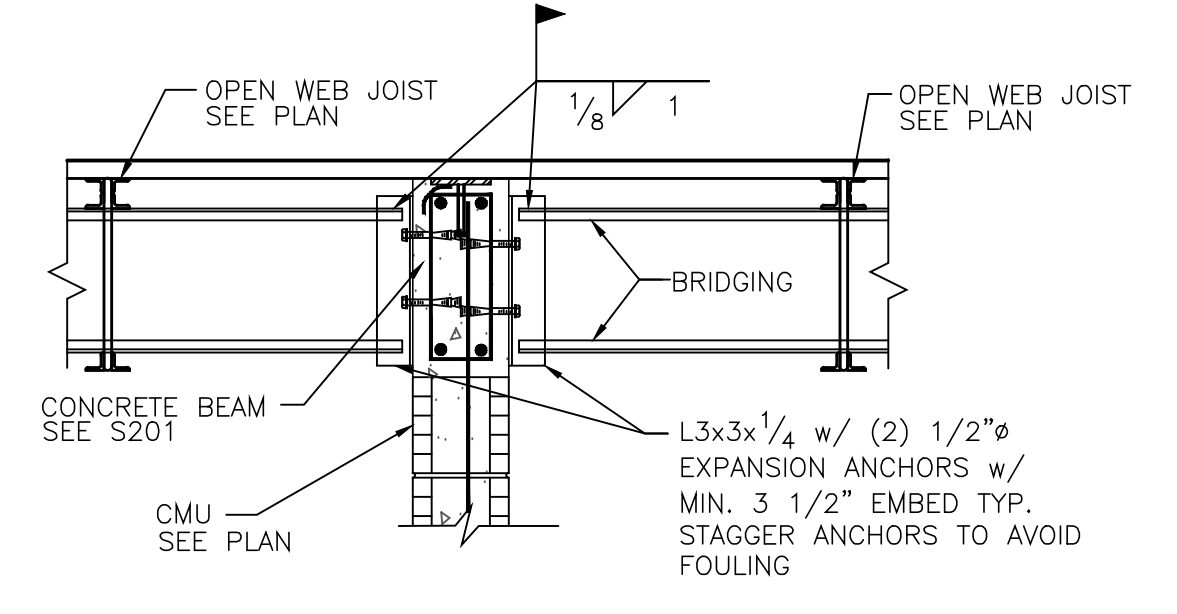
**ROOF SECTION 4**  
SCALE: 3/4" = 1'-0"  
S503



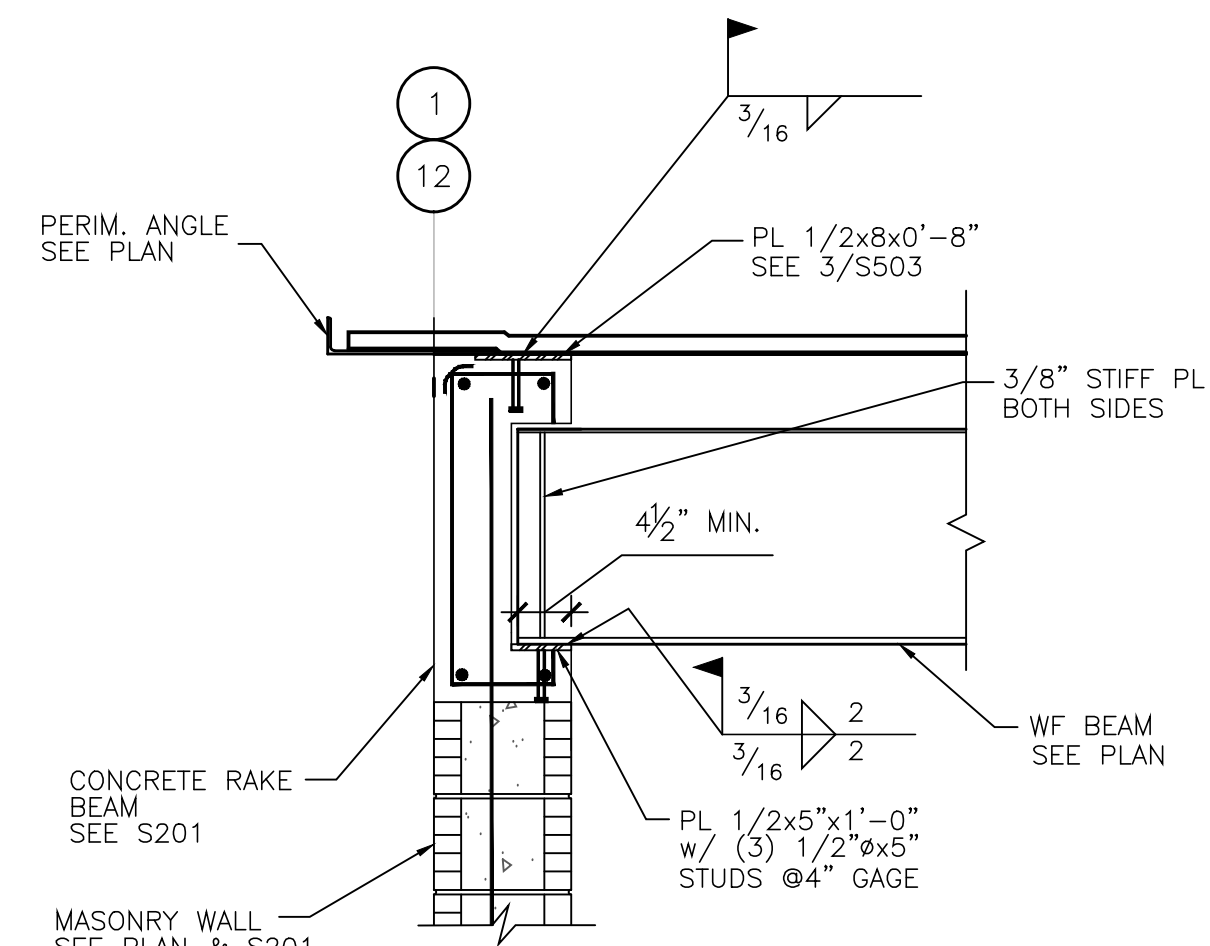
**ROOF SECTION 5**  
SCALE: 3/4" = 1'-0"  
S503



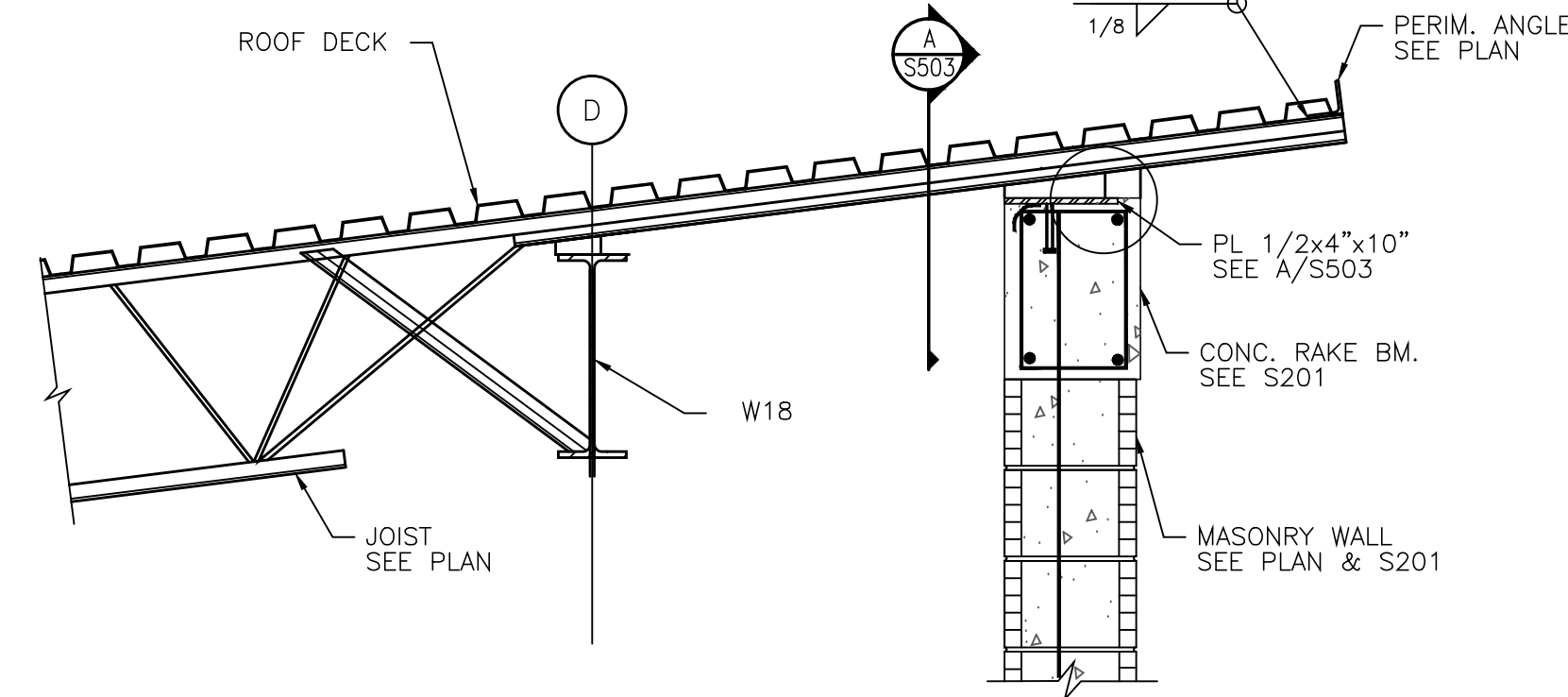
**ROOF SECTION 6**  
SCALE: 3/4" = 1'-0"  
S503



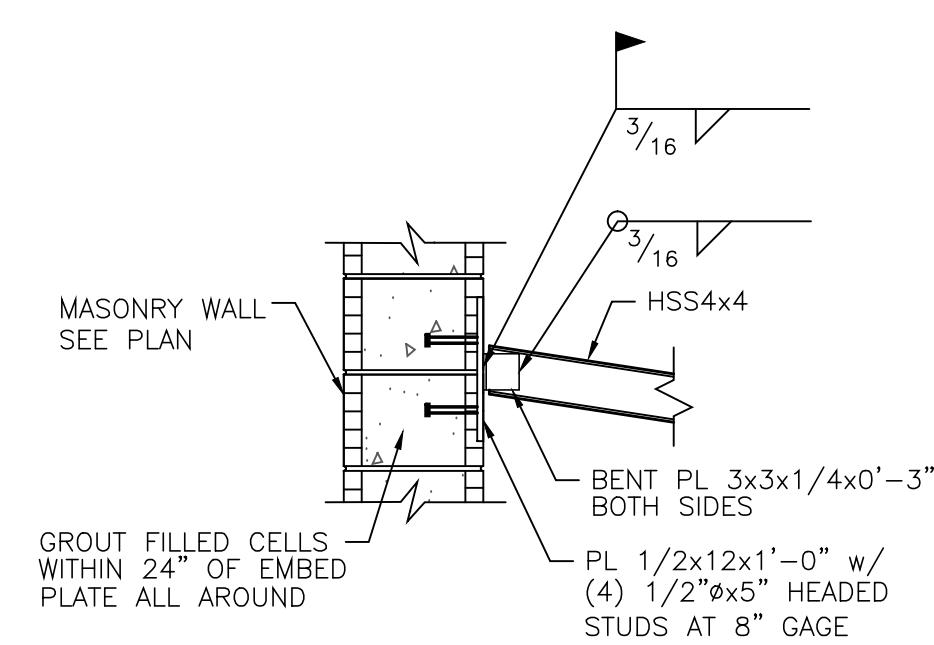
**ROOF SECTION 7**  
SCALE: 3/4" = 1'-0"  
S503



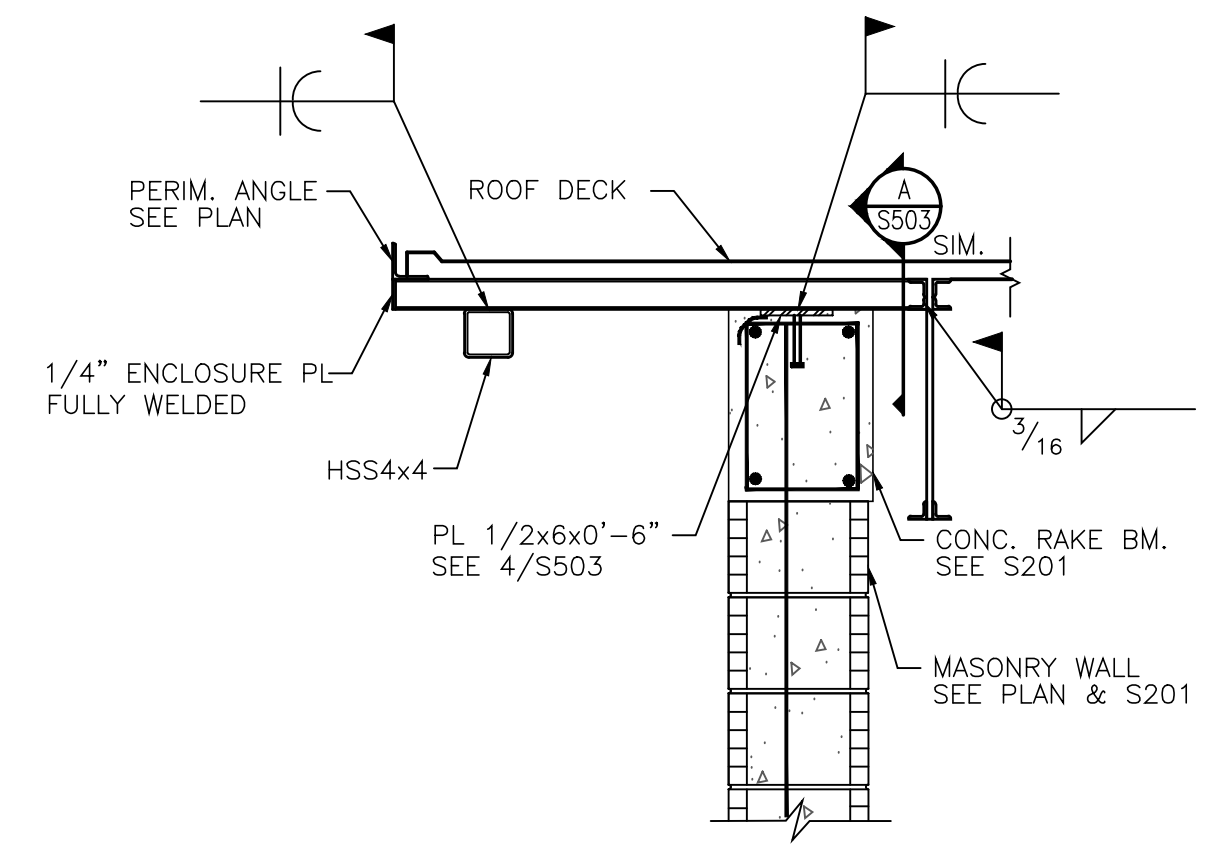
**ROOF SECTION 8**  
SCALE: 3/4" = 1'-0"  
S503



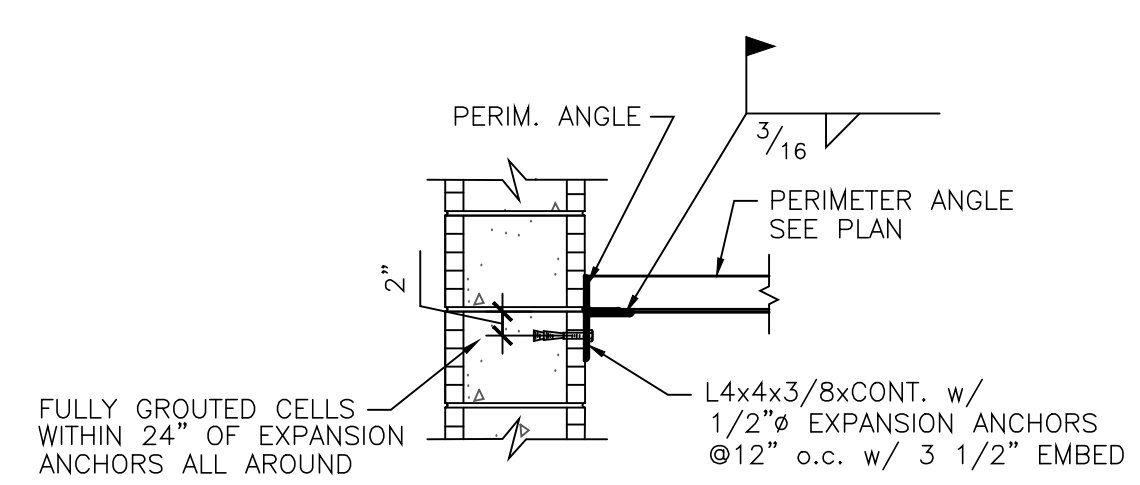
**ROOF SECTION 9**  
SCALE: 3/4" = 1'-0"  
S503



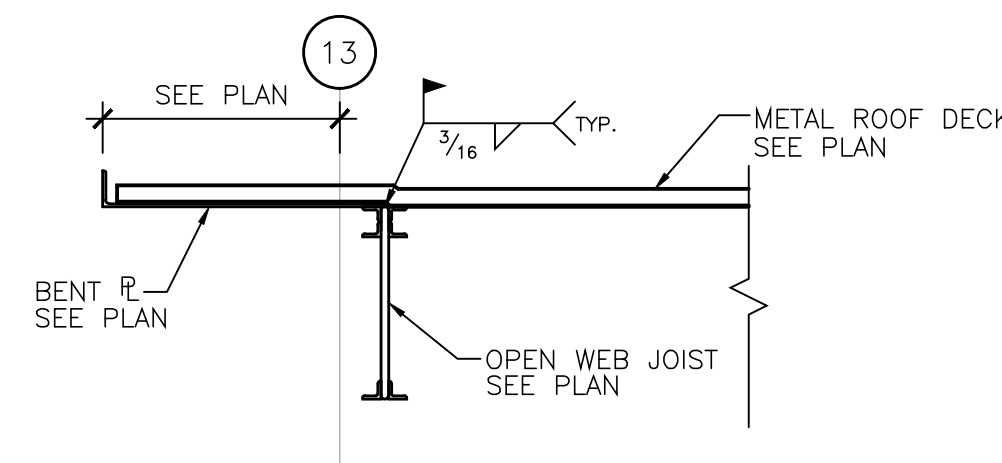
**ROOF SECTION 10**  
SCALE: 3/4" = 1'-0"  
S503



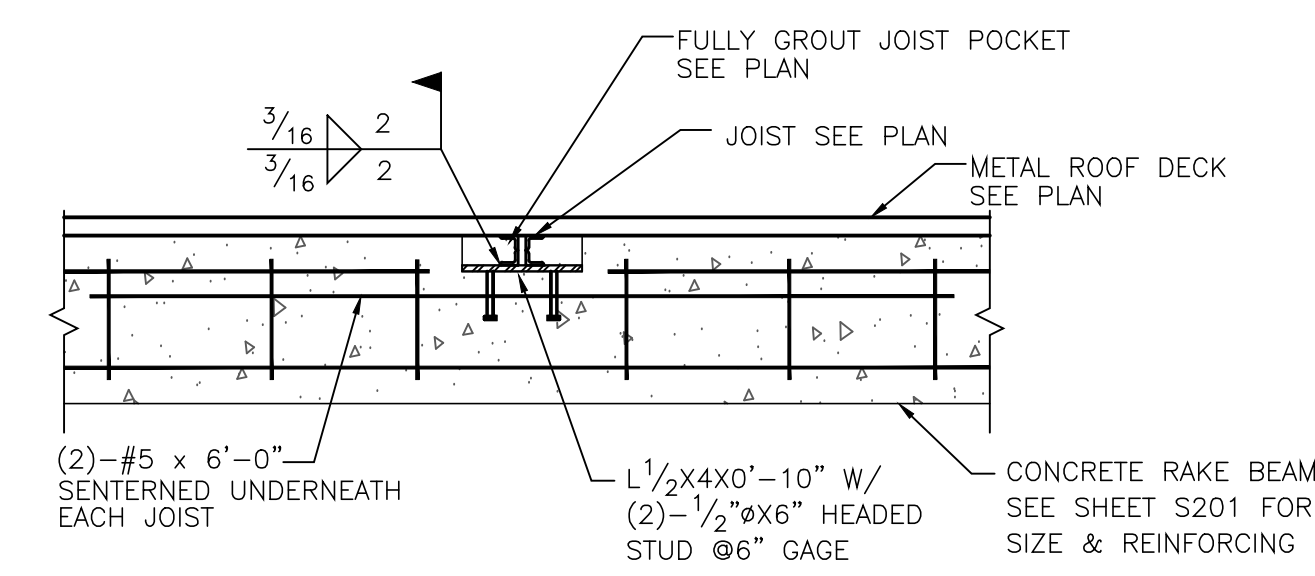
**ROOF SECTION 11**  
SCALE: 3/4" = 1'-0"  
S503



**ROOF SECTION 12**  
SCALE: 3/4" = 1'-0"  
S503



**ROOF SECTION 13**  
SCALE: 3/4" = 1'-0"  
S503



**ROOF SECTION 14**  
SCALE: 3/4" = 1'-0"  
S503



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