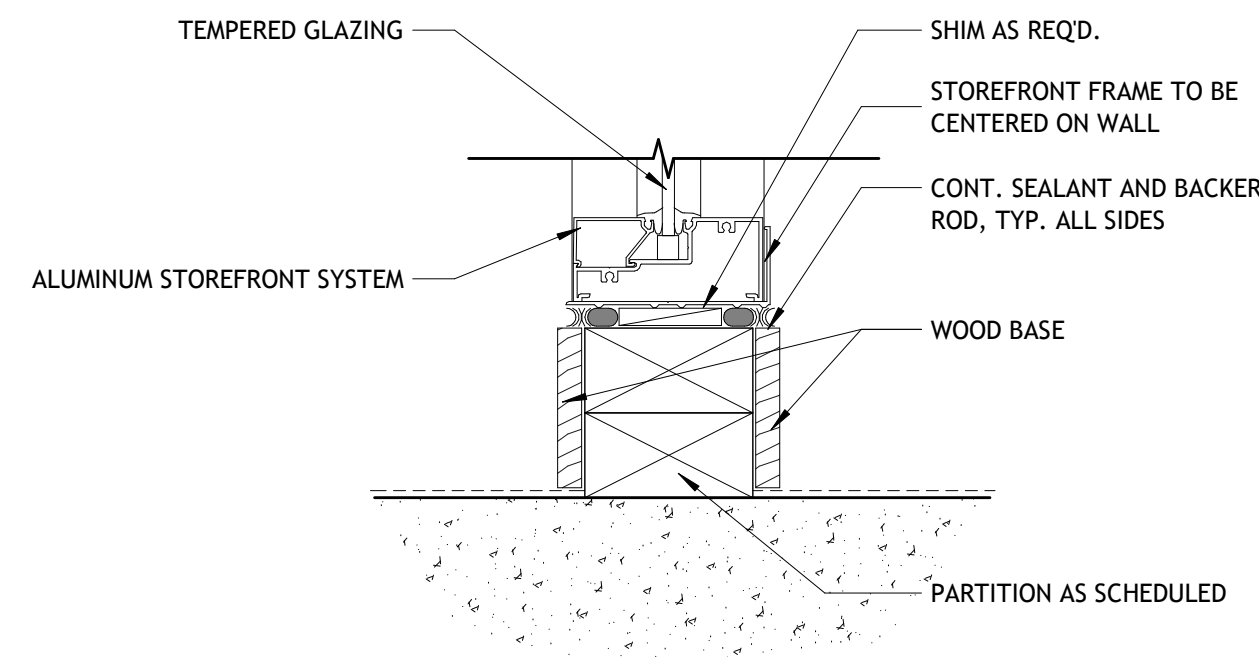
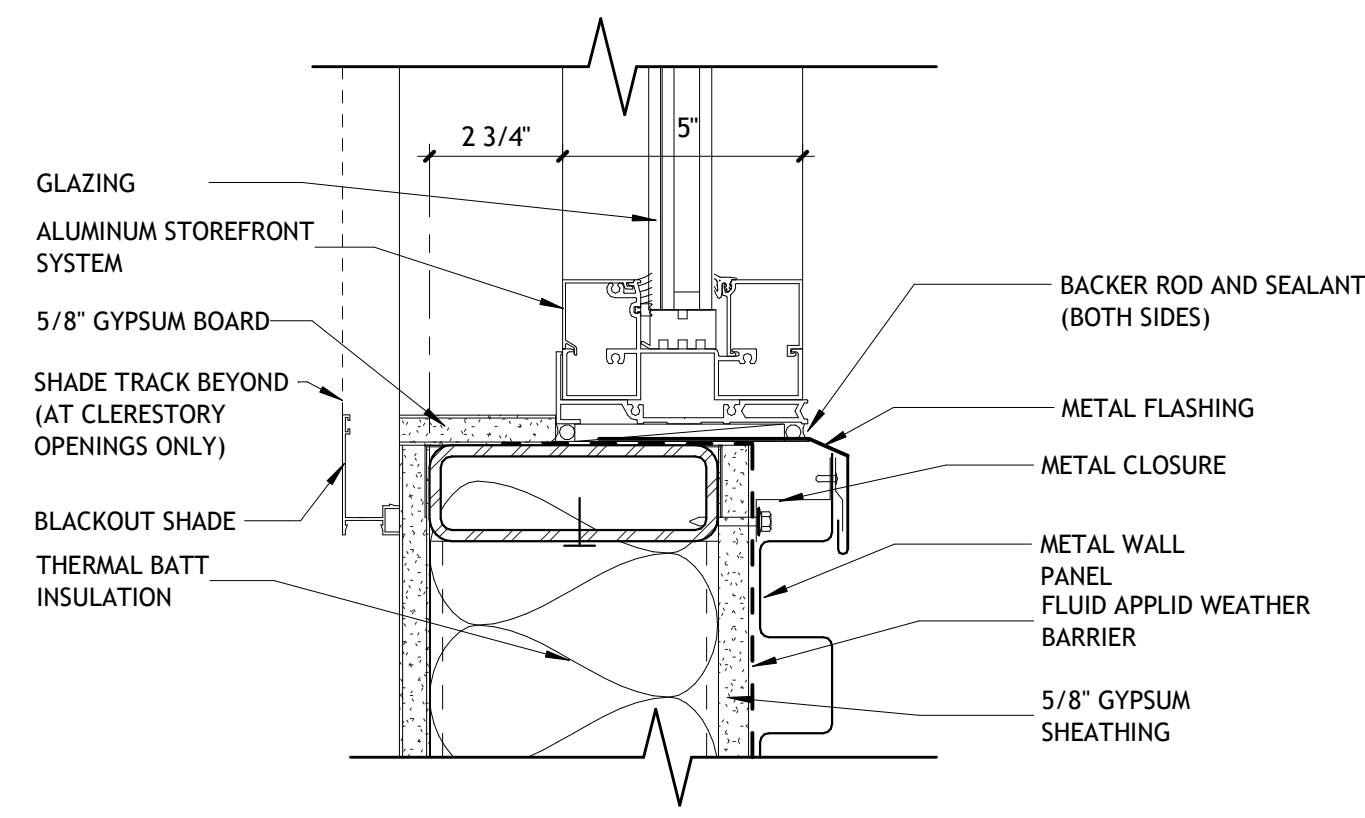


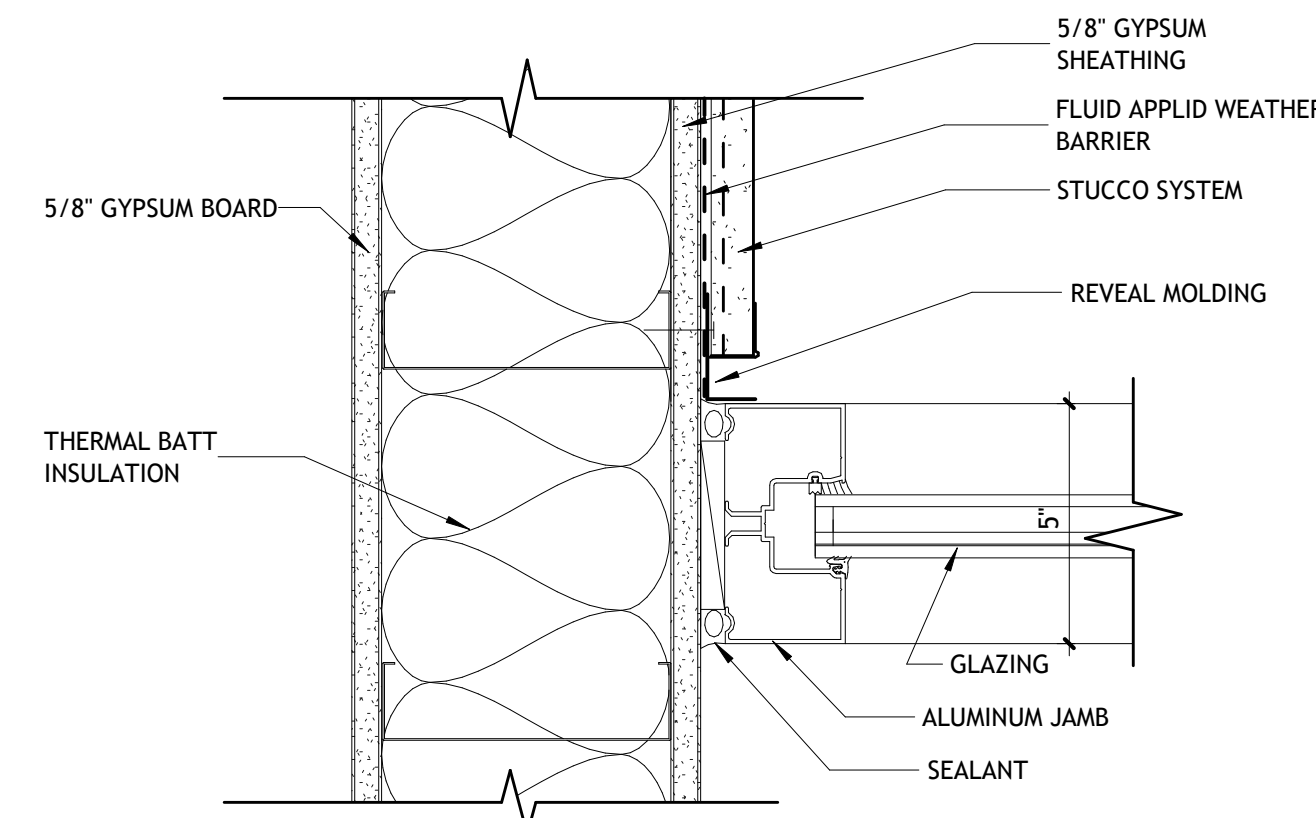
CHECK ALL WATERPROOFING AT OPENINGS



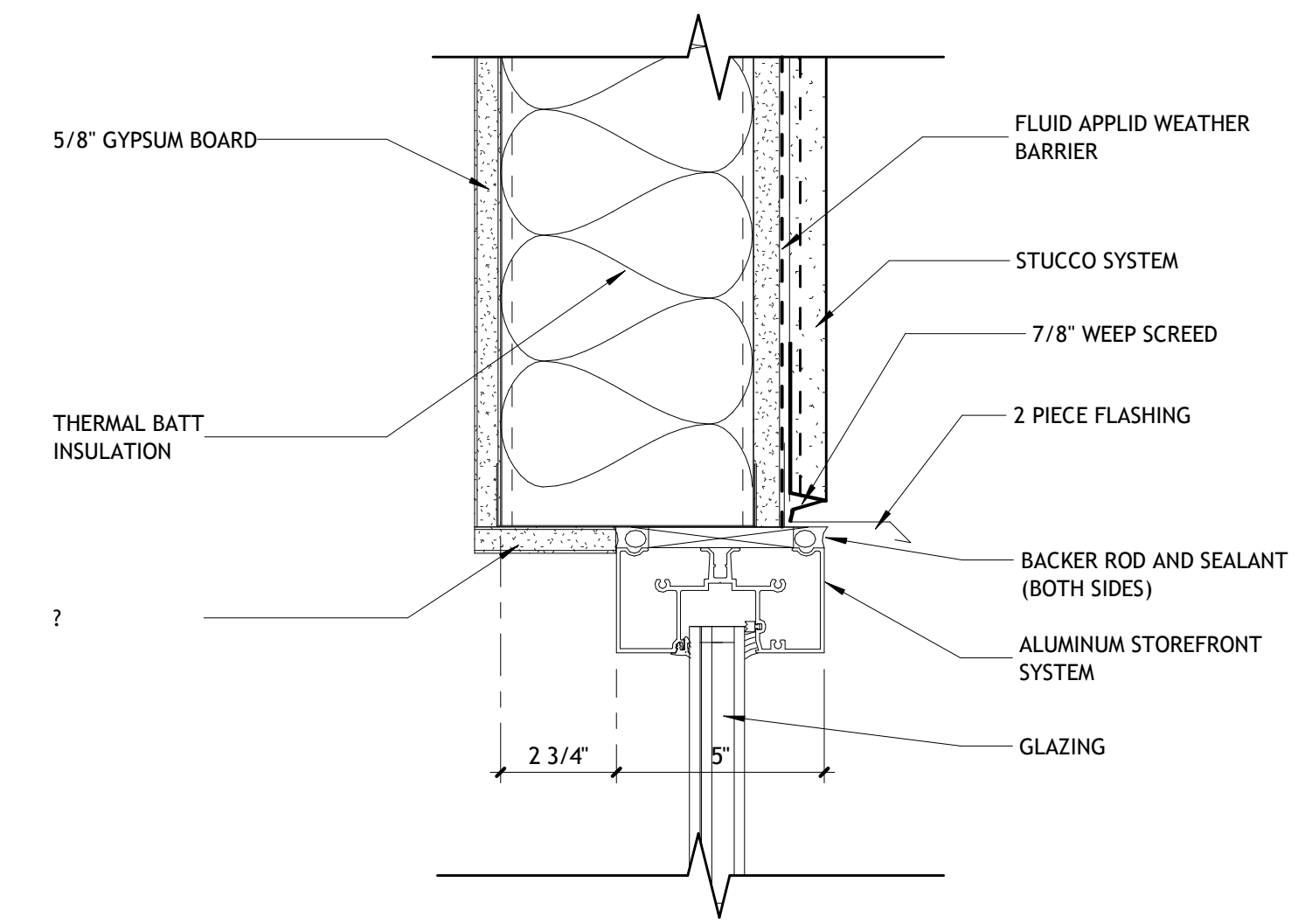
5 SILL DETAIL
A905 3" = 1'-0"



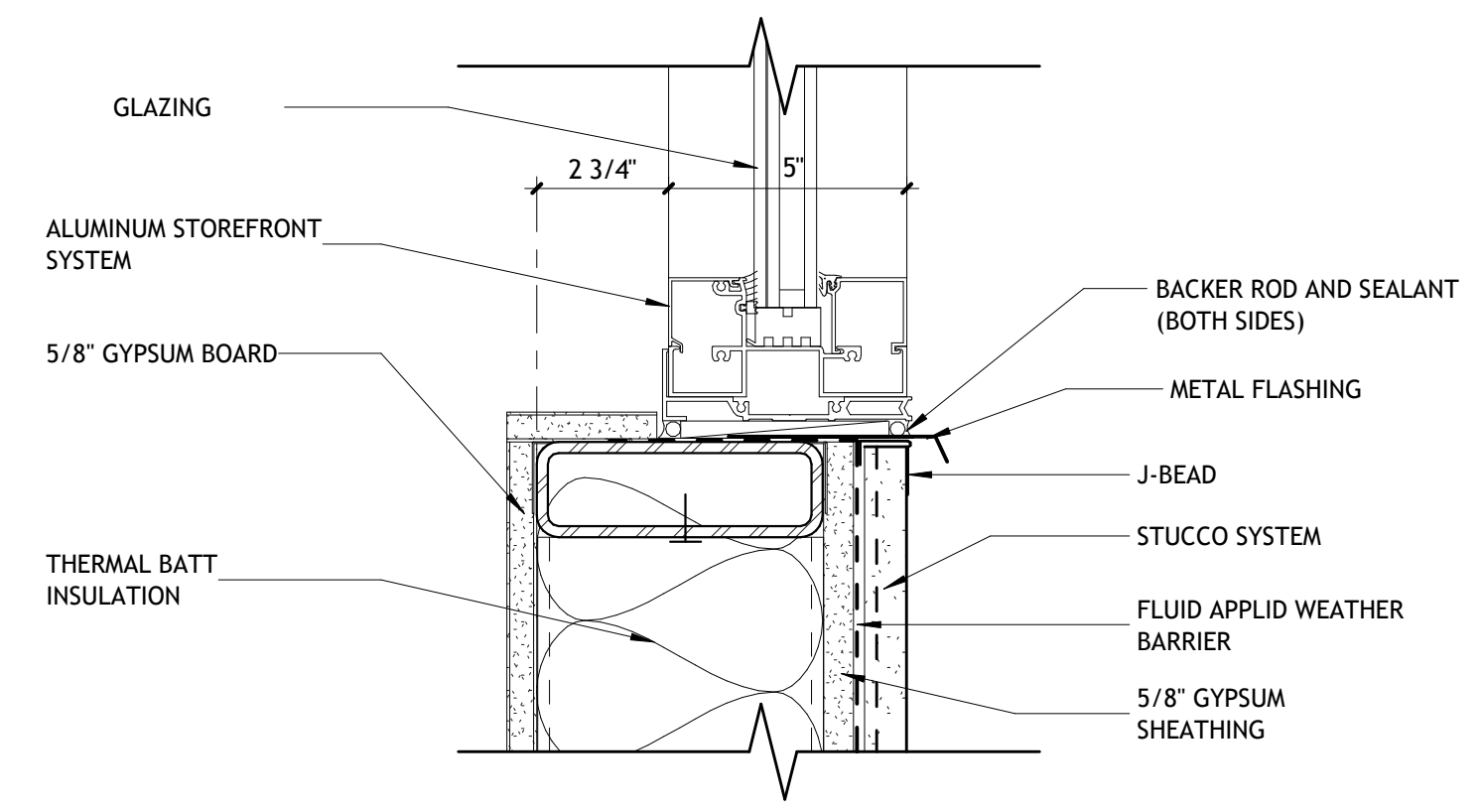
6 SILL DETAIL
A905 3" = 1'-0" EXTERIOR



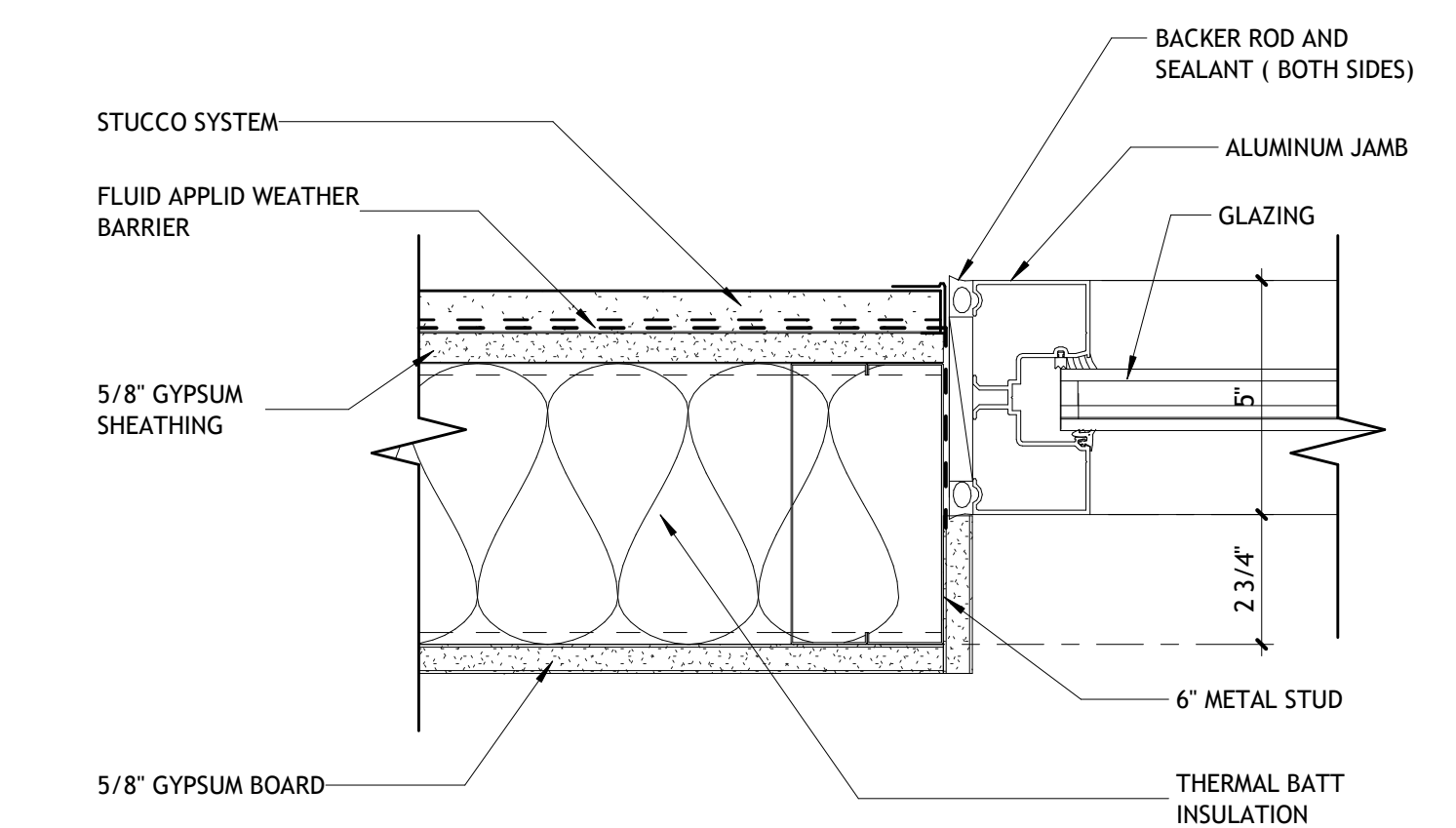
7 JAMB DETAIL
A905 3" = 1'-0" EXTERIOR



4 HEAD DETAIL
A905 3" = 1'-0" EXTERIOR



8 SILL DETAIL
A905 3" = 1'-0" EXTERIOR

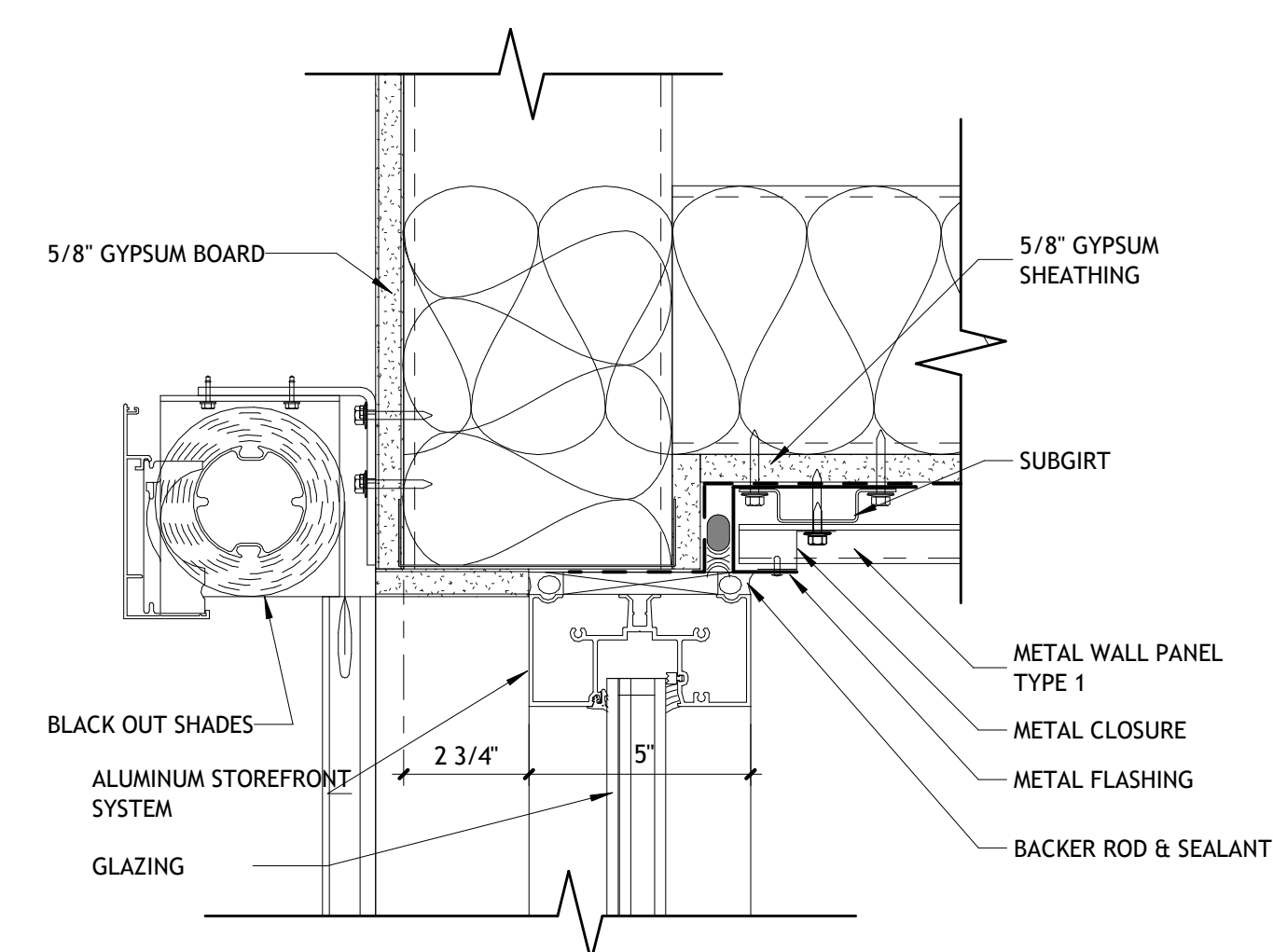


12 JAMB DETAIL
A905 3" = 1'-0" EXTERIOR

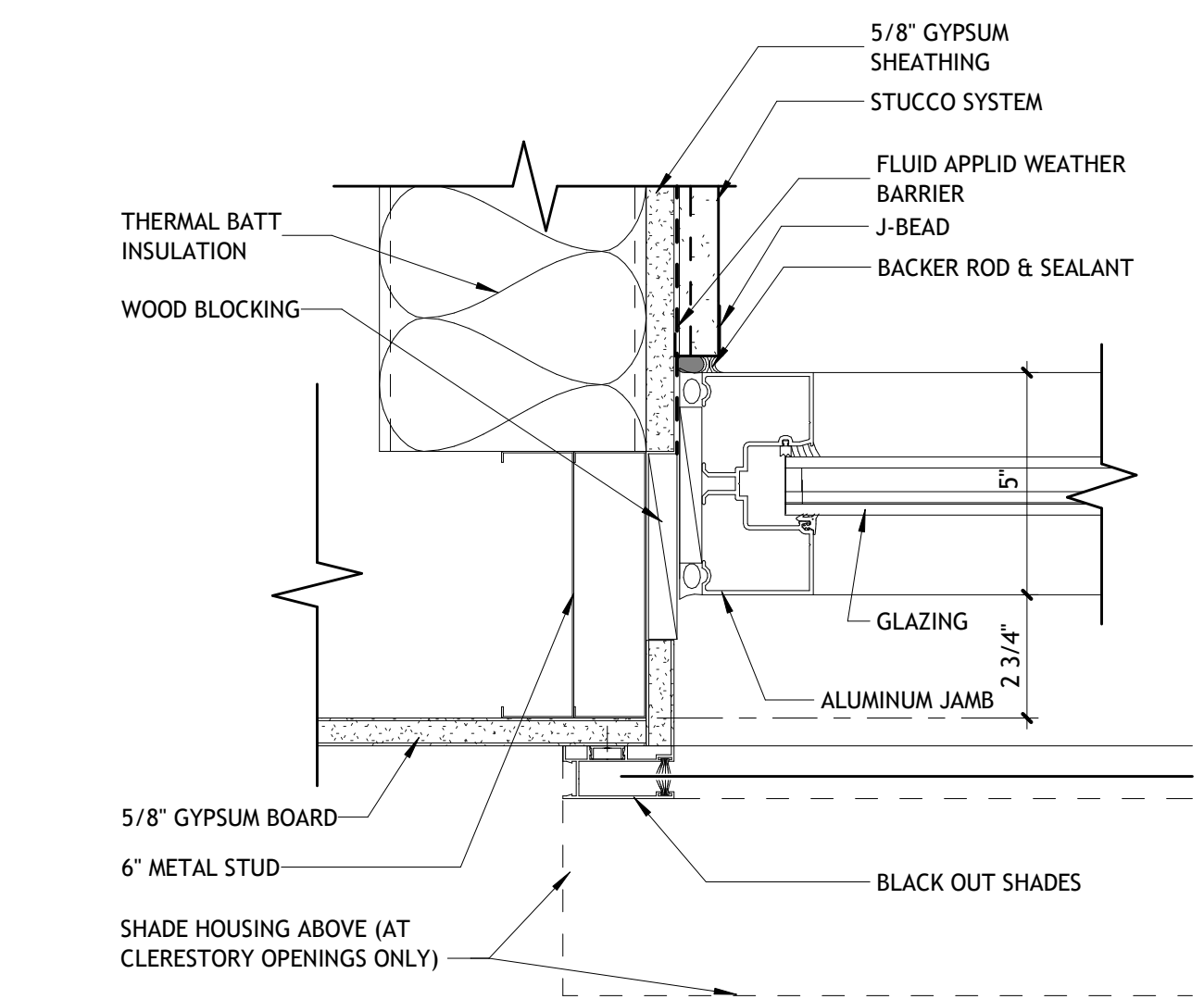
9 NOT USED
A905 3" = 1'-0" EXTERIOR

10 NOT USED
A905 3" = 1'-0" EXTERIOR

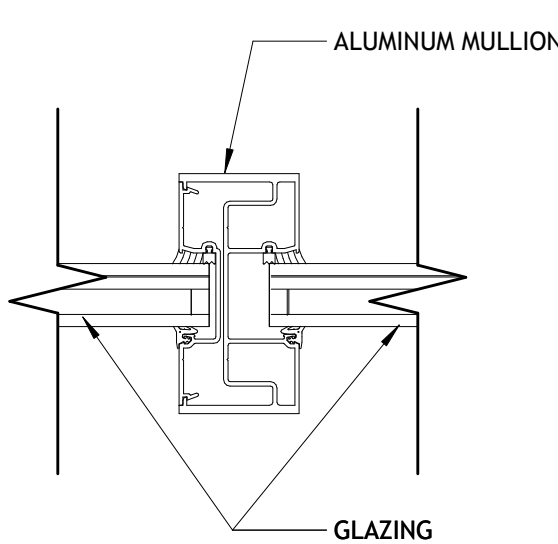
11 NOT USED
A905 3" = 1'-0" EXTERIOR



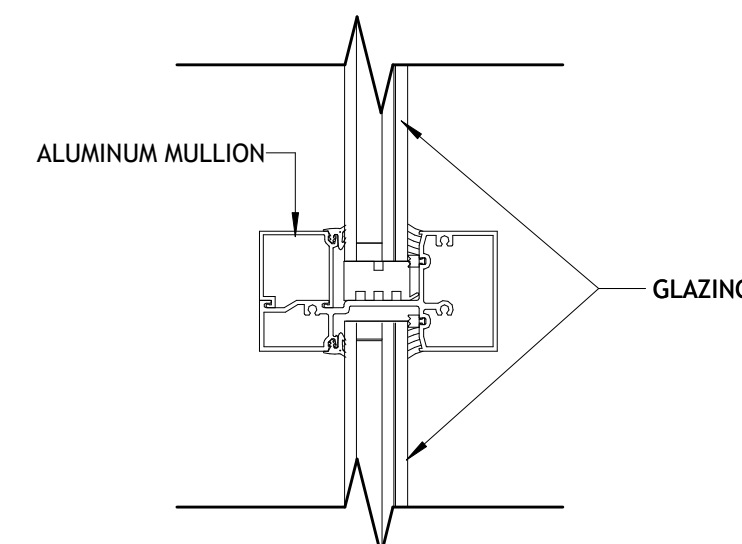
13 HEAD DETAIL
A905 3" = 1'-0" EXTERIOR



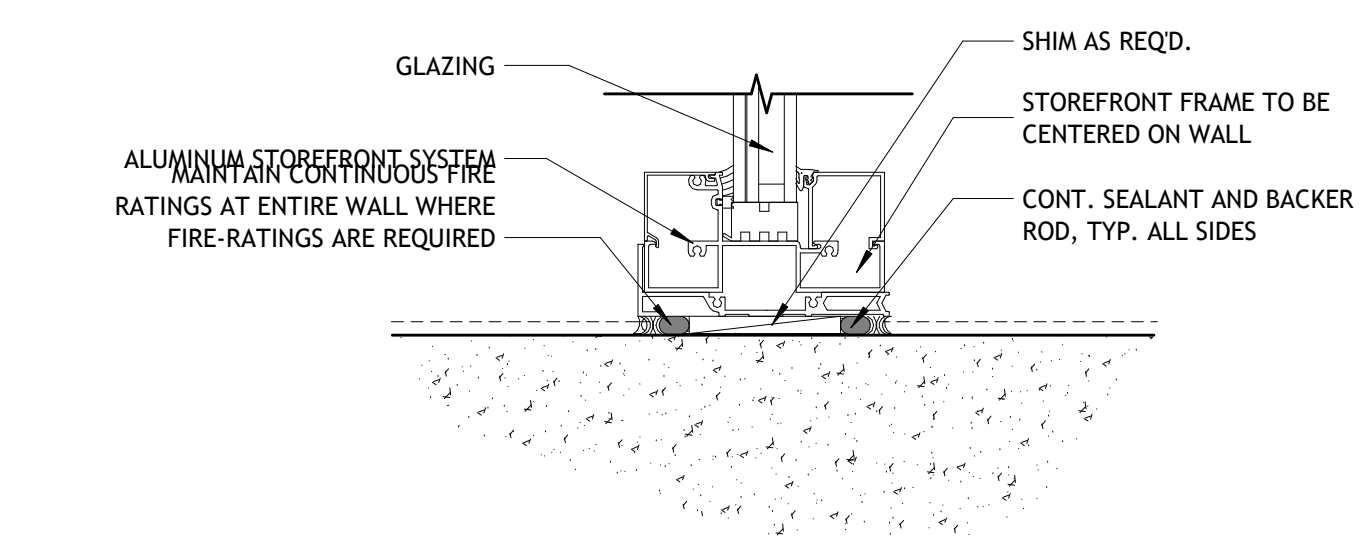
14 JAMB DETAIL
A905 3" = 1'-0" EXTERIOR



15 VERT. MULLION DETAIL
A905 3" = 1'-0" EXTERIOR



16 HORZ. MULLION DETAIL
A905 3" = 1'-0" EXTERIOR



17 SILL DETAIL
A905 3" = 1'-0" EXTERIOR

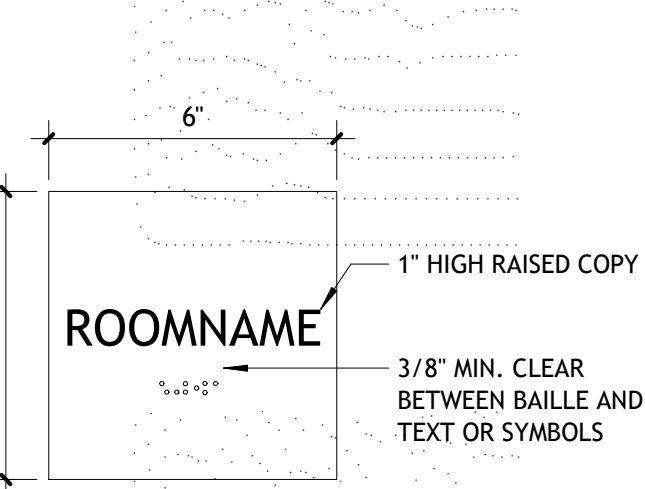
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OPENING DETAILS

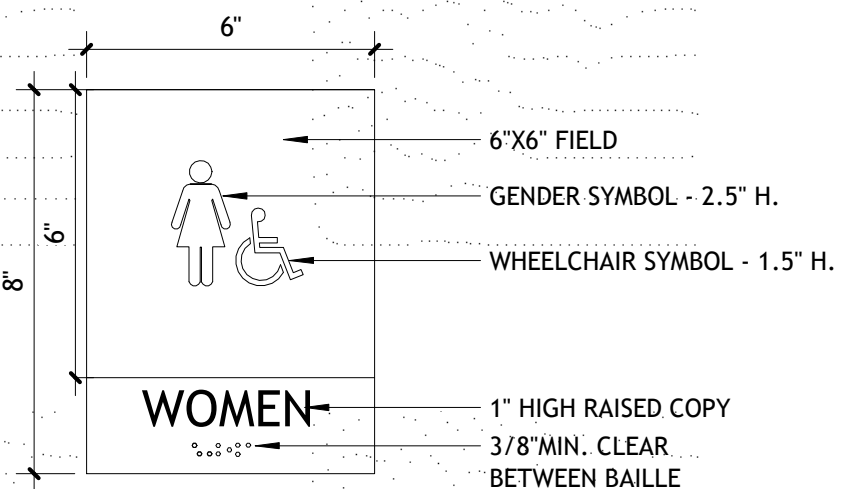
seal	project number	21161.00	drawing number
	date	11-27-19	A905
phase	100% CD		



6" H X 6" W X 1/4" ID PLASTIC ADA MISC. SIGN W/
1" HIGH RAISED ROOM COPY AND BRAILLE

STYLE: HELVETICA MEDIUM
MOUNTING: VINYL TAPE

1 SIGN TYPE A
A911 N.T.S.

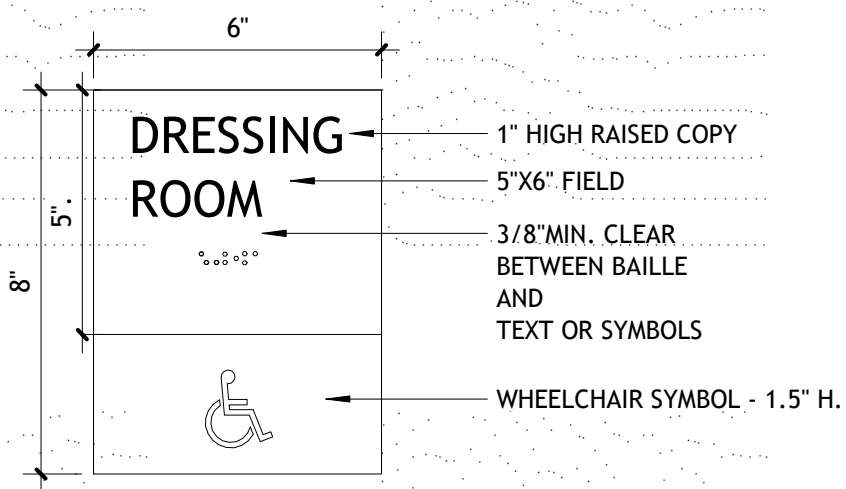


6" H X 6" W X 1/4" ID PLASTIC ADA TOILET ROOM SIGN W/
2.5" HIGH RAISED GENDER SYMBOL AND 1.5" HIGH RAISED WHEELCHAIR SYMBOL
AND 1" HIGH RAISED ROOM NUMBER AND BRAILLE

STYLE: HELVETICA MEDIUM
MOUNTING: VINYL TAPE

2 SIGN TYPE B
A911 N.T.S.

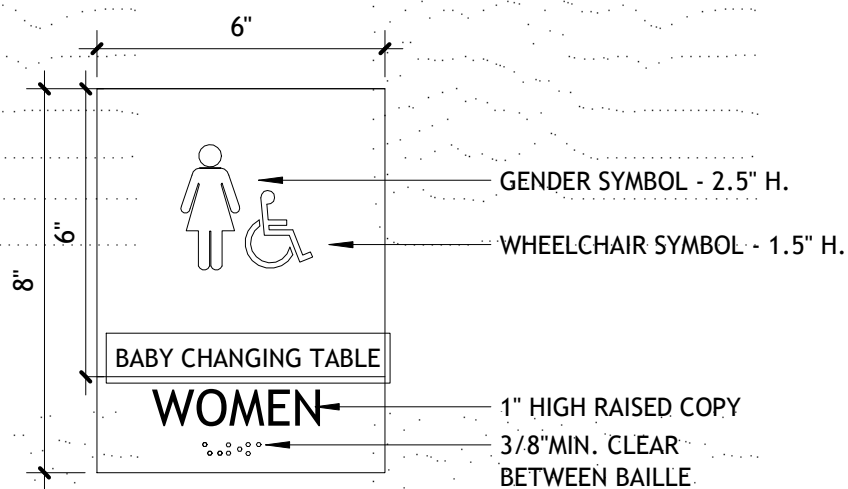
NOTES:
ROOM 124/125 - SIGN TO READ "MEN'S DRESSING ROOM"
ROOM 121/122 - SIGN TO READ "WOMEN'S DRESSING ROOM"



6" H X 6" W X 1/4" ID PLASTIC ADA DRESSING ROOM SIGN W/
1.5" HIGH RAISED WHEELCHAIR SYMBOL AND 1" HIGH RAISED ROOM NAME AND BRAILLE

STYLE: HELVETICA MEDIUM
MOUNTING: VINYL TAPE

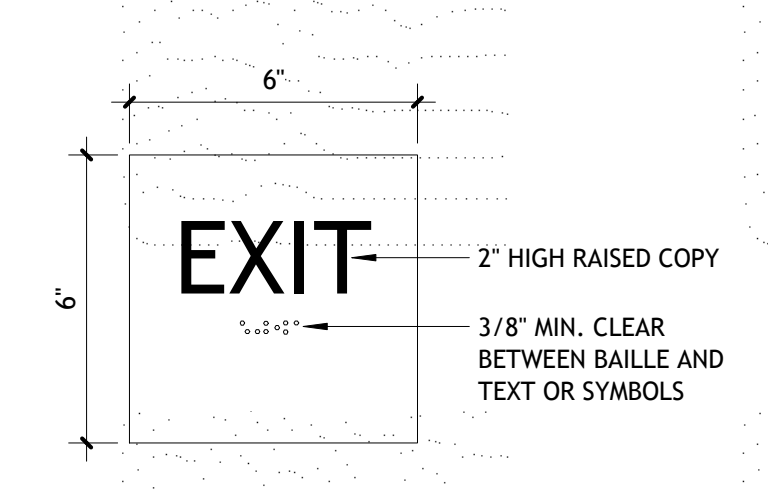
3 SIGN TYPE B-1
A911 N.T.S.



6" H X 6" W X 1/4" ID PLASTIC ADA TOILET ROOM SIGN W/
2.5" HIGH RAISED GENDER SYMBOLS AND 1.5" HIGH RAISED
WHEELCHAIR SYMBOL AND 1" HIGH RAISED ROOM NUMBER AND BRAILLE
TEXT TO READ: BABY CHANGING TABLE

STYLE: HELVETICA MEDIUM
MOUNTING: VINYL TAPE

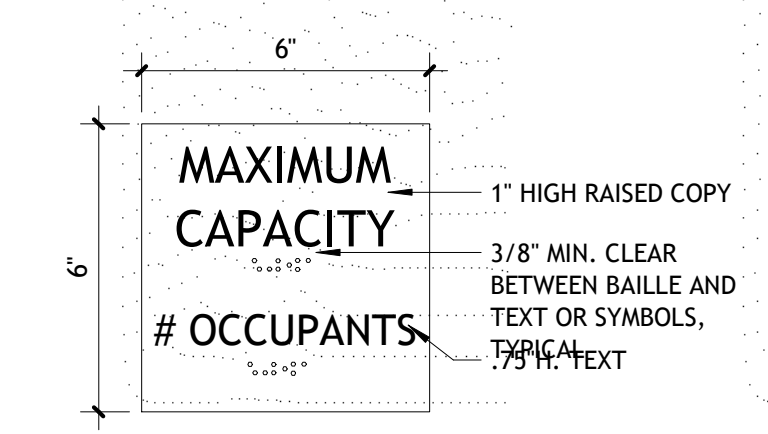
4 SIGN TYPE B-2
A911 N.T.S.



6" H X 6" W X 1/4" ID PLASTIC ADA INFORMATION SIGN W/
2" HIGH RAISED COPY AND BRAILLE

STYLE: HELVETICA MEDIUM
MOUNTING: VINYL TAPE

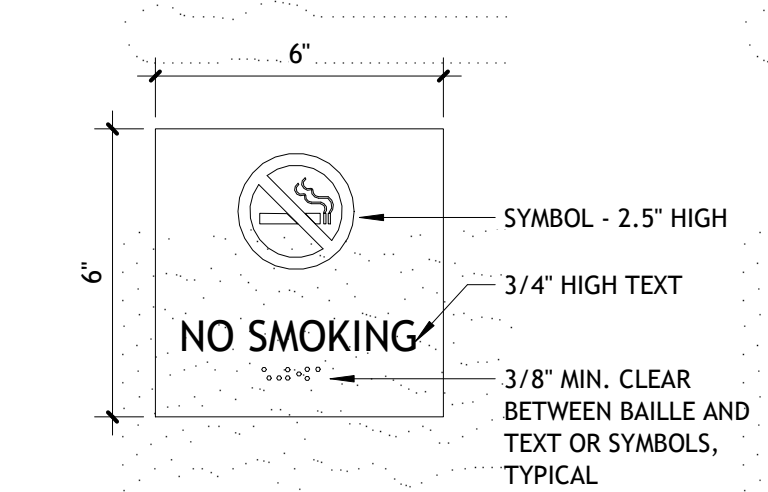
5 SIGN TYPE C
A911 N.T.S.



6" H X 6" W X 1/4" ID PLASTIC ADA MAXIMUM CAPACITY SIGN
W/ 1" HIGH RAISED COPY AND BRAILLE

STYLE: HELVETICA MEDIUM
MOUNTING: VINYL TAPE

6 SIGN TYPE D
A911 N.T.S.

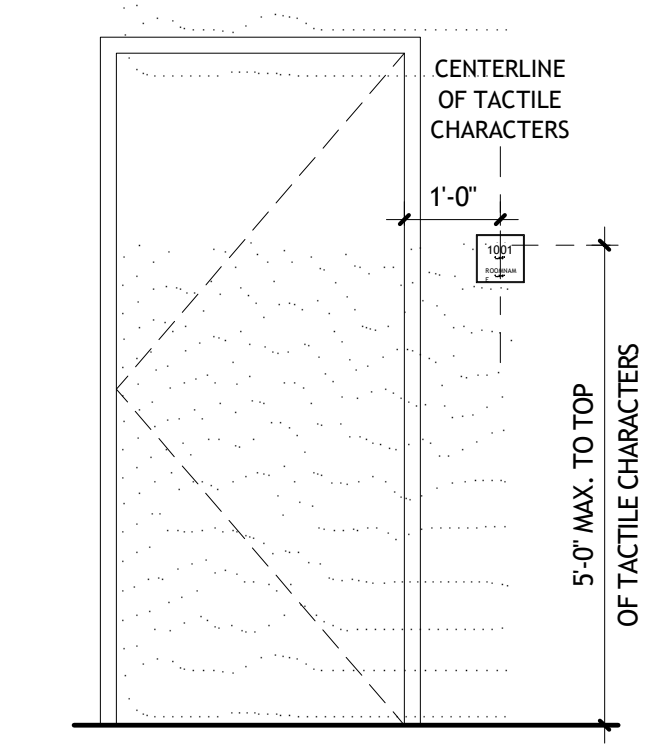


6" H X 6" W X 1/4" ID PLASTIC ADA NO SMOKING SIGN
W/ 2.5" HIGH NO SMOKING SYMBOL AND 3/4" HIGH RAISED COPY
AND BRAILLE

STYLE: HELVETICA MEDIUM
MOUNTING: VINYL TAPE
EXTERIOR APPLICATION

SEE PLAN FOR LOCATIONS

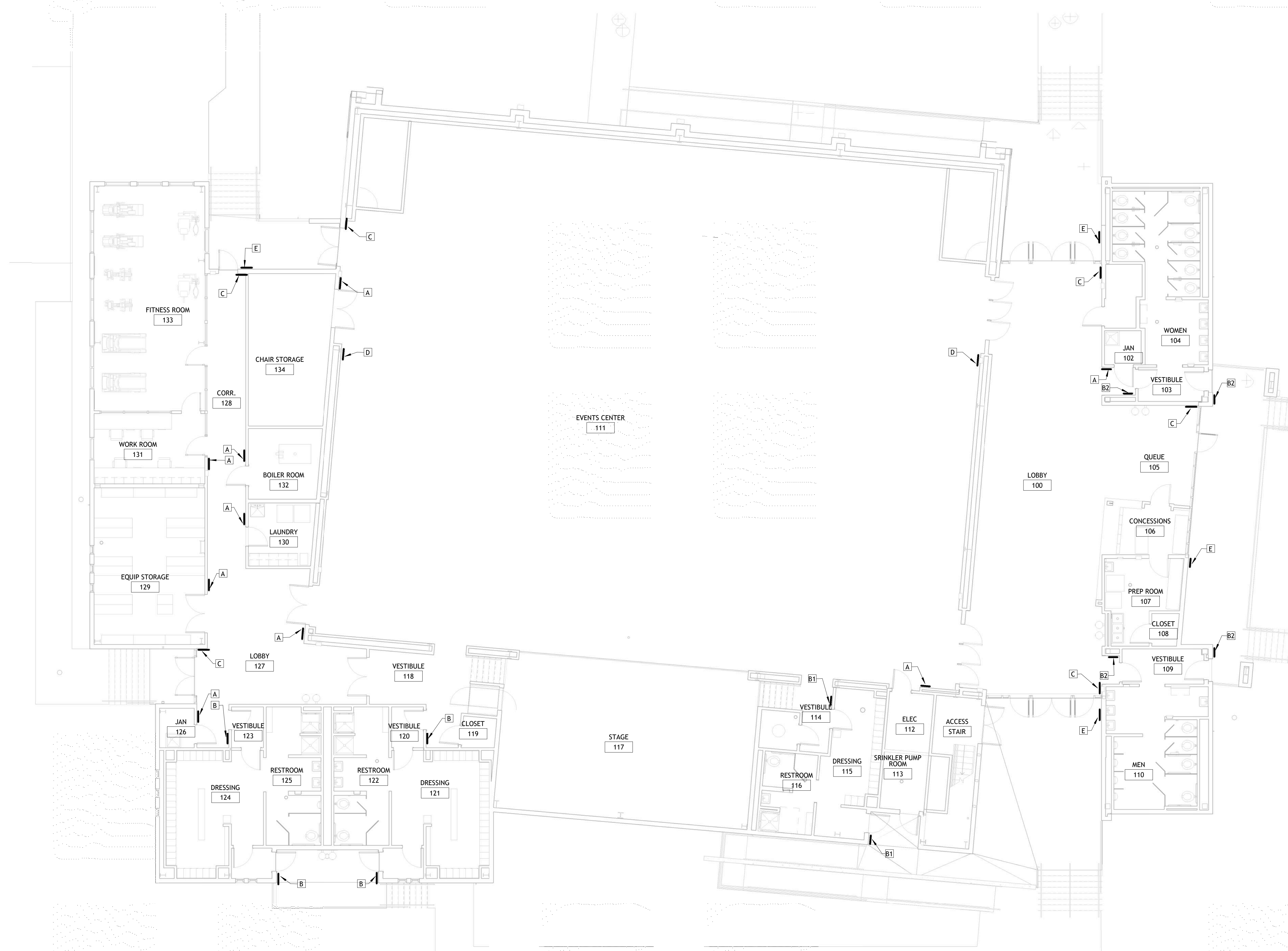
7 SIGN TYPE E (EXTERIOR SIGN)
A911 N.T.S.



8 ELEVATION @ TYPICAL SIGN
A911 N.T.S. INSTALLATION HEIGHT & LOCATION

SIGN NOTES

- ALL SIGNS TO BE INSTALLED BETWEEN 48" MIN. ABOVE FINISHED FLOOR TO THE LOWEST TACTILE CHARACTER AND 60" MAX. A.L.F. TO THE HIGHEST TACTILE CHARACTER AND 6" FROM THE EDGE OF THE LATCH SIDE OF THE ADJACENT DOOR FRAME TO THE EDGE OF THE SIGN.
- SIGNS REQUIRING GLASS MOUNTING TO BE BACKED W/ PLASTIC BACKER PLATE TO MATCH SIGN.
- LOCATIONS OF ALL GLASS MOUNTED SIGNS TO BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
- EXACT TEXT ON SIGNAGE IS TO BE DETERMINED AT A LATER DATE.



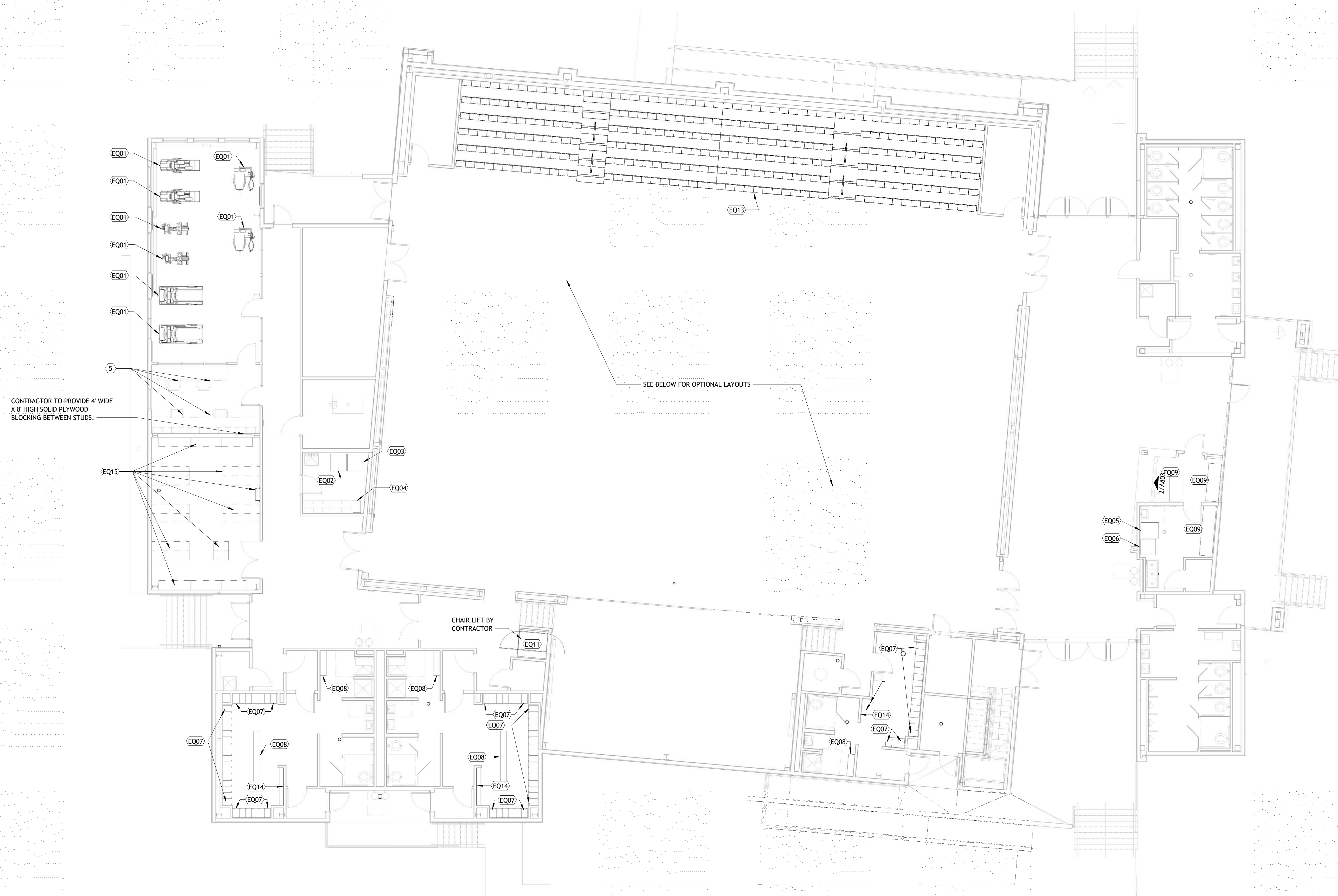
9 FIRST FLOOR SIGNAGE PLAN
A911 1/8" = 1'-0"

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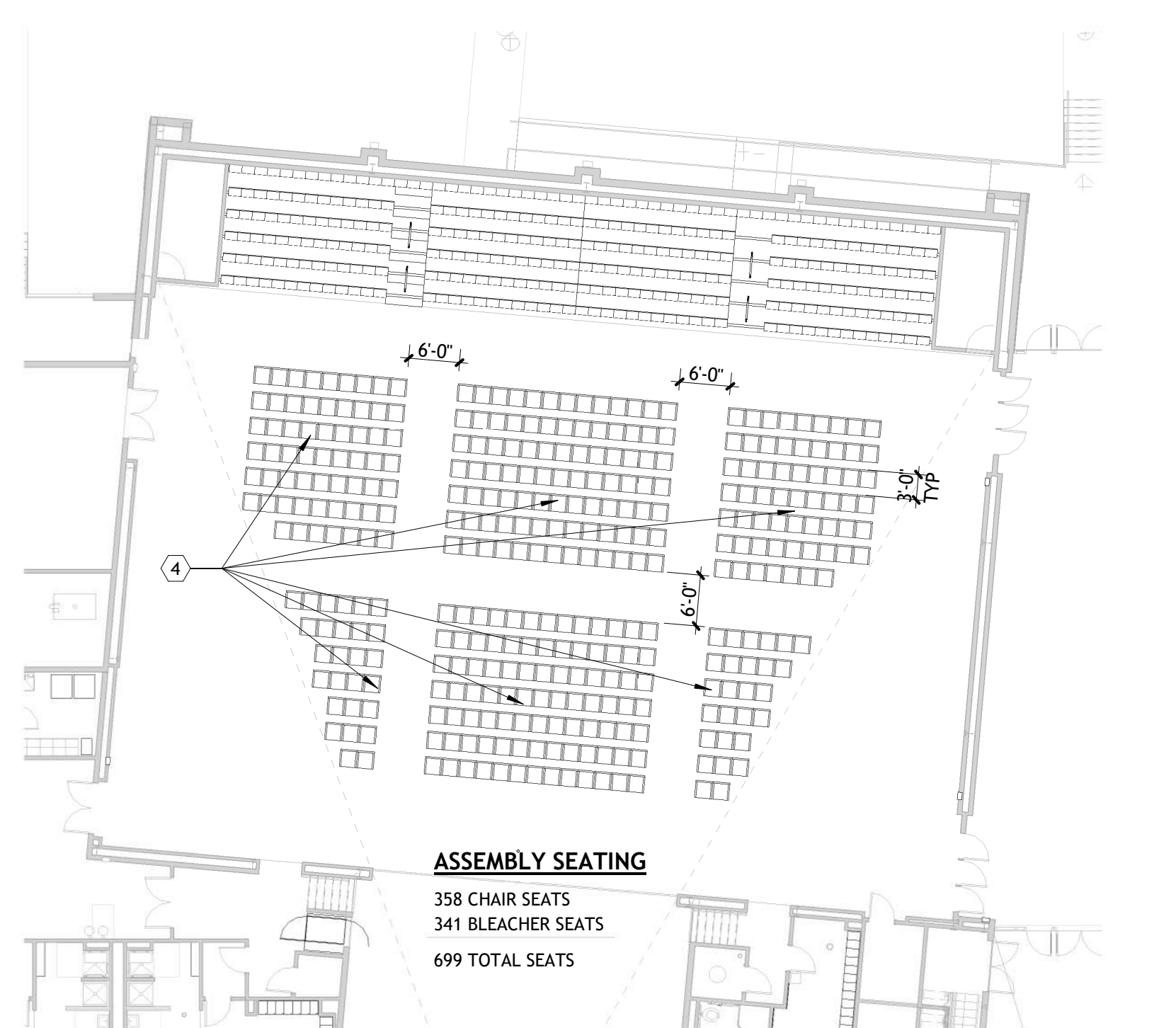
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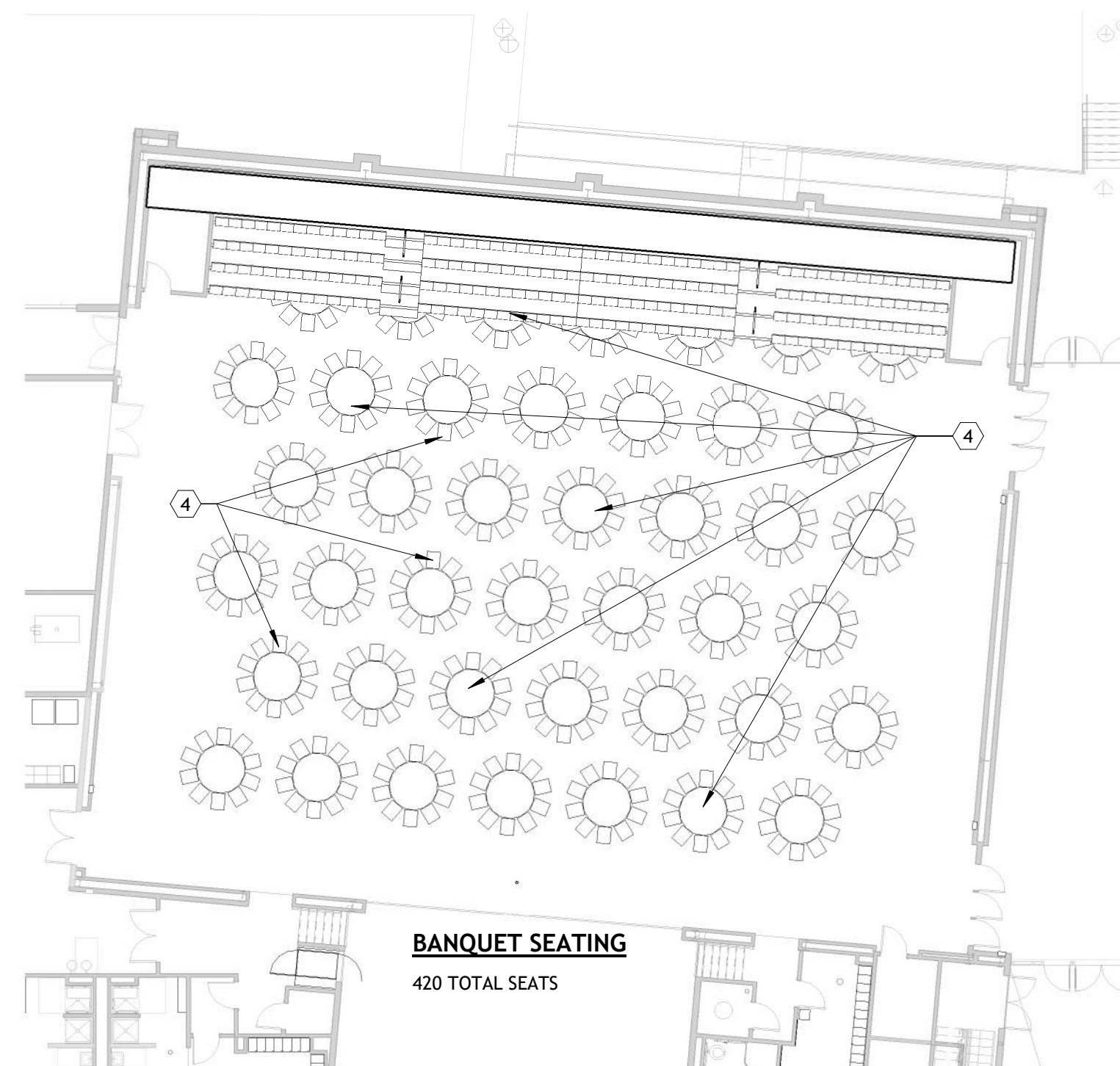
seal	project number	drawing number
	21161.00	A911
date	11-27-19	
phase	100% CD	



1 FIRST FLOOR EQUIPMENT PLAN
ID201 1/8" = 1'-0"



2 FIRST FLOOR FURNITURE PLAN - ASSEMBLY SEATING
ID201 1/16" = 1'-0"



3 FIRST FLOOR FURNITURE PLAN - TABLE SEATING
ID201 1/16" = 1'-0"

NUMBER	ITEM	FURNISHED	INSTALLED	REQUIREMENTS			COMMENT
				ELEC.	PLUMB	TELE/DATA	
EQ01	FITNESS EQUIPMENT	OWNER	OWNER	Y	N	N	
EQ02	WASHER	OWNER	OWNER	Y	Y	N	
EQ03	DRYER	OWNER	OWNER	Y	Y	N	
EQ04	UNDER COUNTER ICE MAKER	OWNER	OWNER	Y	Y	N	
EQ05	ICE MAKER	OWNER	OWNER	Y	Y	N	
EQ06	REFRIGERATOR	OWNER	OWNER	Y	N	N	
EQ07	2-TIER WELDED METAL LOCKERS	OWNER	OWNER	N	N	N	CONTRACTOR PROVIDE BLOCKING
EQ08	BENCH	OWNER	OWNER	N	N	N	
EQ09	STAINLESS STEEL TABLES & SHELVES	OWNER	OWNER	N	N	N	CONTRACTOR PROVIDE BLOCKING
EQ11	CHAIR LIFT	CONTRACTOR	CONTRACTOR	Y	N	N	
EQ13	RETRACTABLE SEATING	CONTRACTOR	CONTRACTOR	Y	N	N	
EQ14	MIRROR	CONTRACTOR	CONTRACTOR	N	N	N	
EQ15	STORAGE SHELVING	OWNER	OWNER	N	N	N	CONTRACTOR PROVIDED BLOCKING COORDINATE LOCATION

NOTES:

- RESTROOM ACCESSORIES AND PARTITIONS ARE NOTED ON ENLARGED PLANS AND INTERIOR ELEVATIONS.
- ADDITIONAL EQUIPMENT INFORMATION AS NOTED IN THE DOCUMENTS.
- PLUMBING FIXTURES ARE NOTED IN PLUMBING DOCUMENTS.
- TABLES AND CHAIRS SHOWN IN TWO SEATING LAYOUTS ARE PROVIDED AND INSTALLED BY OWNER.
- WORKROOM CHAIRS AND FILES PROVIDED AND INSTALLED BY OWNER.

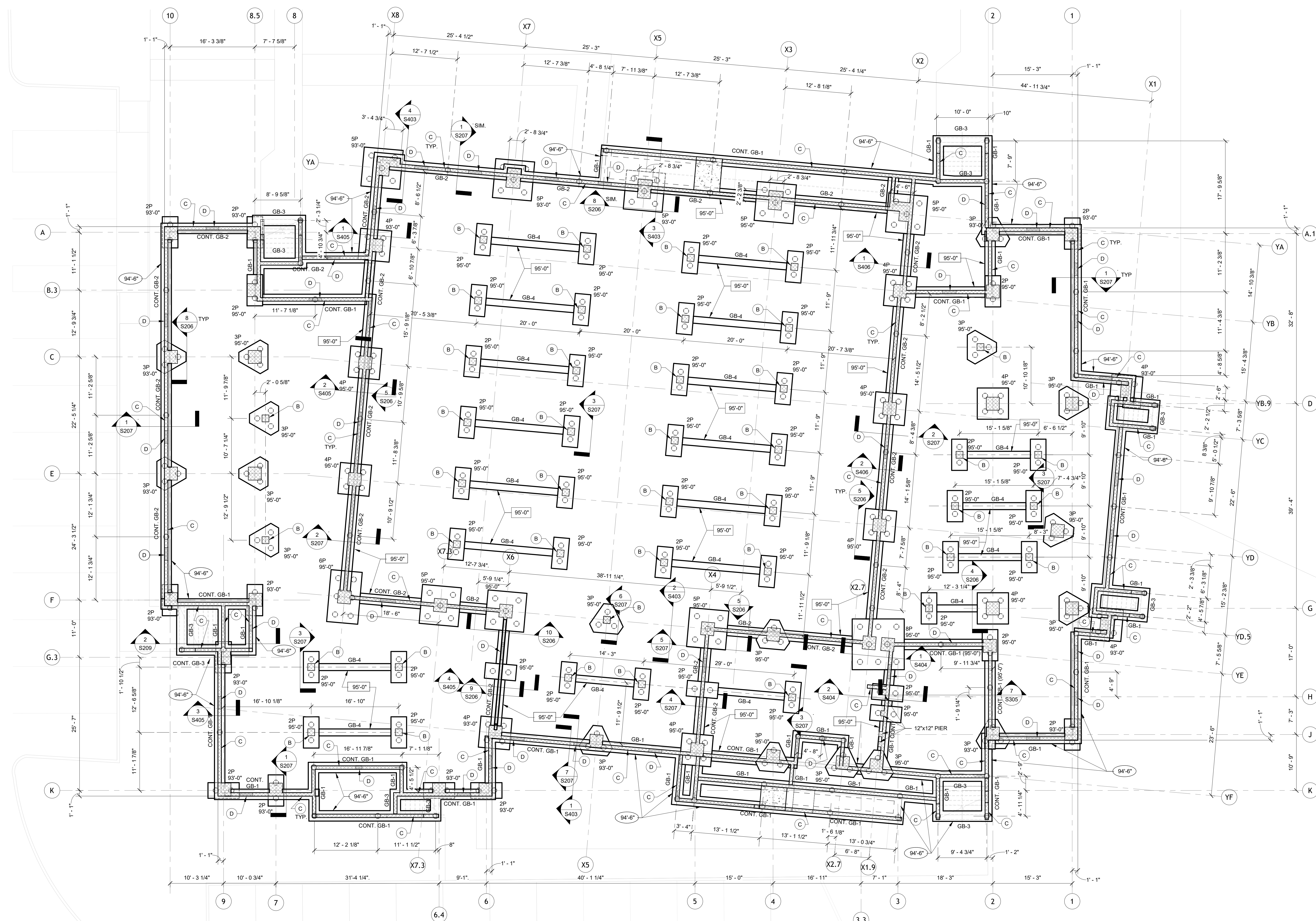
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EQUIPMENT PLAN AND SCHEDULE

	project number	21161.00	drawing number	ID201
	date	11-27-19		
	phase	100% CD		



FOUNDATION PLAN LEGEND/NOTES	
MARK	DESCRIPTION
(A)	(NOT USED)
(B)	16" SQ. PEDESTAL W/ (4) - #6 VERTICALS AND #3 TIES @ 9" O.C. SEE 3/S206. SEE NOTE BELOW FOR PIER UNDER COLUMNS.
(C)	8" CONCRETE WALLS
(D)	FOUNDATION WALL OPENING. SEE 8/S207 AND ARCH A106.
(C)	COMPOSITE TIMBER/CONCRETE JOB PILE
4P 93'-0"	EXAMPLE OF PILE CAP DESIGNATION W/ TOP OF CAP ELEVATION MEASURED FROM F.F.E. 100'-0"
GB-XX	GRADE BEAM. SEE SCHEDULE ON S101
X-X'	TOP OF PERIMETER GRADE BEAM ELEVATION
X-X'	TOP OF INTERIOR GRADE BEAM ELEVATION
PROVIDE 30" SQ. CONCRETE PEDESTALS BENEATH ALL STEEL COLUMNS PER DETAIL 3/S206 U.N.O.	
U.N.O. - SEE CIVIL DRAWINGS FOR GRADES AT EXTERIOR, PILE SUPPORTED CONCRETE.	
REF. 6/S206 FOR TRANSFORMER PAD INFORMATION	
HAUNCH GRADE BEAMS DOWN TO PILE CAPS AS REQUIRED W/ 4 #4 VERT. IN HAUNCHED SECTION.	

1 FOUNDATION PLAN
1/8" = 1'-0"

GRADE BEAM SCHEDULE							
MARK	SIZE		REINFORCEMENT			#3 STIRRUPS FROM EACH SUPPORT	REMARK
	W	D	TOP CONT.	TOP @ SUPPORT	BOTTOM CONT.		
GB-1	24"	18"	(3) - #6		(3) - #6	#3 @ 10" o.c.	
GB-2	24"	18"	(3) - #6		(3) - #6	#3 @ 6" o.c.	
GB-3	24"	18"	(4) - #6		(4) - #6	(3) #3 @ 6" o.c. REM @ 10" o.c.	
GB-4	16"	18"	(3) - #5		(3) - #5	#3 @ 6" o.c.	EXTEND BARS TO BACKSIDE OF PIER

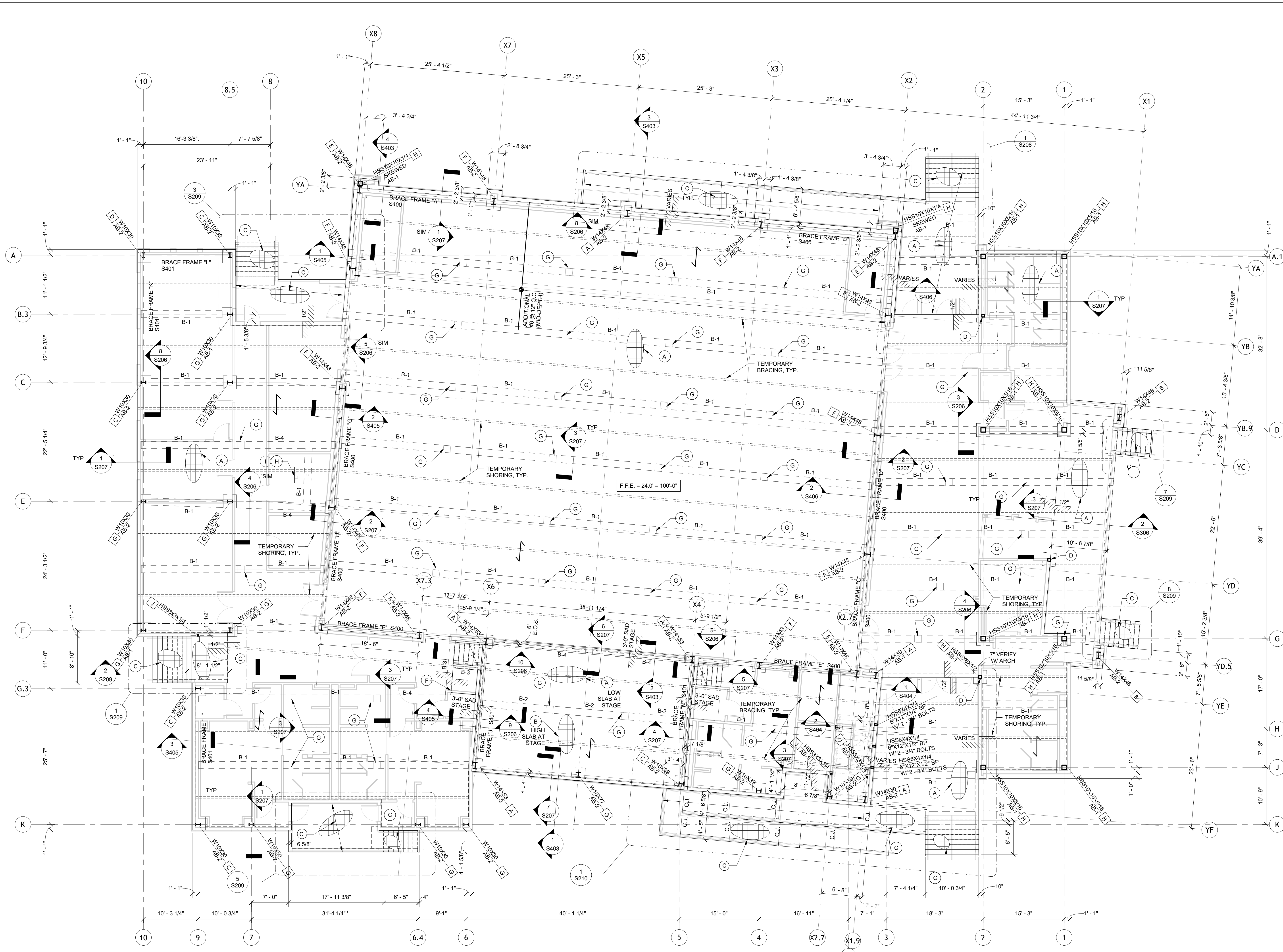
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FOUNDATION PLAN

project number	21161.00	drawing number	S101
date	11-27-19	phase	
100% C.D.			



1 FIRST FLOOR SLAB PLAN (ELEVATED SLAB)
1/8" = 1'-0"

FIRST FLOOR SLAB PLAN
LEGEND/NOTES

MARK	DESCRIPTION
(A)	TYPICAL REINF. AT 6 1/2" TOTAL SLAB SYSTEM WITH NORMAL WEIGHT CONCRETE (U.N.O.) #6 @ 12" O.C. MAIN REINF. AT MID-DEPTH. #4 @ 12" O.C. TEMP. & SHRINK REINF. USE 15C16 DECK AS FORM W/ 8" DIA. PUDDLE WELDS 30/4 PATTERN W/ #12 SIDE LAP SCREWS @ 12" O.C. (TEMP. SHORE INCLUDING BRACING DECK @ MID-SPAN TO BE DESIGNED BY THE CONTRACTOR AND REMOVED IN 28 DAYS).
(B)	4" CONCRETE SLAB W/ #4 @ 12" O.C. EACH WAY AT MID-DEPTH AT OP. GEOFORM.
(C)	5" SLAB W/ #5 @ 12" O.C. EACH WAY (MID-DEPTH)
(D)	HSS6x1/2 COLUMN
(E)	(NOT USED)
(F)	3" SLAB DEPRESSION. COORDINATE LAYOUT W/ ARCHITECTURAL AND PLUMBING DRAWINGS.
(G)	16" SQ. PEDESTAL W/ (4) - #6 VERTICALS AND #3 TIES @ 6" O.C. SEE S3207
(H)	HOUSEKEEPING PAD, SEE S204
(I)	BOILER (2000 LBS MAXIMUM)
(J)	EXPANSION TANK (1000 LBS MAXIMUM)
---	TEMPORARY SHORING, SEE (A)
B-X	CONCRETE BEAM, SEE SCHEDULE ON S102
X-X'	TOP OF CONCRETE SLAB ELEVATION
X-X''	TOP OF CONCRETE WALL ELEVATION
I	STEEL COLUMN, SEE PLAN
---	CHANGE IN TOP OF CONCRETE ELEVATIONS
A/W10x30 AB-2	INDICATES COLUMN, ANCHOR BOLT AND BASE PLATE TYPE, SEE S203
---	DIRECTION OF MAIN REINF. TEMP AND SHRINKAGE REINF. IS ⊥ AND AT OP. MAIN REINF.
PROVIDE 2'-6" SQ. CONCRETE PEDESTALS BENEATH ALL STEEL COLUMNS PER DETAIL S3206.	
U.N.O. SEE CIVIL DRAWINGS FOR GRADES AT EXTERIOR. PILE SUPPORTED CONCRETE.	
TOP OF FIRST FLOOR SLAB ELEVATION = 100'-0" = SURVEY ELEVATION 24'-0"	

CONCRETE BEAM SCHEDULE

MARK	SIZE		REINFORCEMENT		#3 STRIPS FROM EACH COLUMN	REMARK
	W	D	TOP CONT.	BOTTOM CONT.		
B-1	16"	24"	(5) - #6	(5) - #6	#3 @ 10" o.c.	
B-2	16"	24"	(4) - #6	(4) - #6	#3 @ 10" o.c.	
B-3	12"	24"	(2) - #6	(2) - #6	#3 @ 10" o.c.	
B-4	16"	24"	(6) - #6	(6) - #6	#3 @ 6" o.c.	

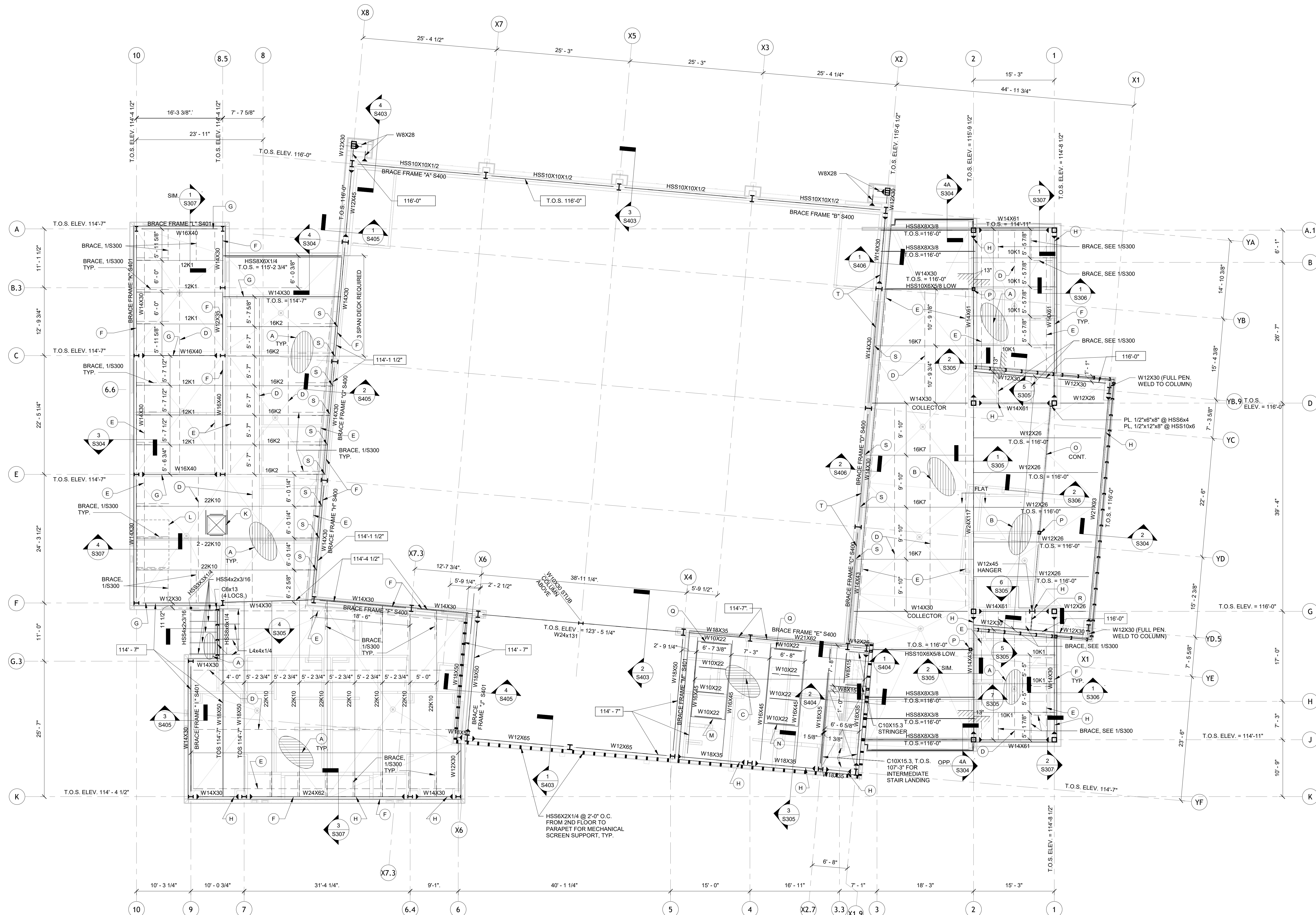
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FIRST FLOOR SLAB PLAN

project number	21161.00	drawing number	S102
date	11-27-19	phase	100% C.D.



1
S103 INTERMEDIATE ROOF AND SECOND FLOOR FRAMING PLAN
1/8" = 1'-0"

INTERMEDIATE ROOF FRAMING PLAN
LEGEND/NOTE

MARK	DESCRIPTION
A	1.5 B 19 GALV. ROOF DECK W/ 3/4" DIA. PUDDLE WELDS 36/5 PATTERN W/ #12 SIDE LAP SCREWS @ 12" O.C.
B	3 1/2" x 19 GA. EPICORE ER3 SA ROOF DECK (INCLUDE ACOUSTIC INSULATION) W/ HILTI XHSN24 FASTENERS AT STEEL JOISTS OR X-ENF-19 FASTENERS AT STEEL BEAMS, 24/3 PATTERN W/ #12 SIDE LAP SCREWS @ 12" O.C. (BASIS OF DESIGN).
C	5" TOTAL SLAB SYSTEM THICKNESS W/ 1.5 VL 19 GALV. METAL DECK W/ SEMI LT. WT. CONCRETE W/ WWF 6x6-W2.1xW2.1 W/ 3/4" DIA. PUDDLE WELD 36/5 PATTERN W/ #12 SIDE LAP SCREWS @ 12" O.C. (SEE 4/S303 FOR REINFORCING BAR SUPPORT GRID).
D	1 ROW OF BRIDGING AS SPECIFIED BY THE MANUFACTURER, SEE 5/S300 AND 6/S300
E	1 ROW OF HORIZONTAL UPRIFT BOTTOM CHORD BRIDGING AT FIRST PANEL POINT
F	PROVIDE FILLER ANGLE L 2 1/2 x 2 1/2 x 3/8 BETWEEN JOIST SEATS ALONG ENTIRE LENGTH OF BEAM PER 3/S301, TYPICAL
G	CONTINUOUS FILLER ANGLE ON TOP OF BEAM PER 3/S301, SIMILAR.
H	MOMENT CONNECTED BEAMS SHALL HAVE BOTTOM FLANGE BRACING @ 8'-0" o.c. MAX. SEE 1/S300
I	PRE-ENGINEERED, PRE-FABRICATED STEEL STAIR. SEE ARCHITECTURAL DETAILS AND SPECIFICATIONS.
J	EXTEND TOP CHORD.
K	ROOF HATCH, SEE 3/S300.
L	AHU-1 HANGING UNIT (1400 LBS. MAX.) SEE 4/S300
M	AHU-3A (5150 LBS. MAX.)
N	AHU-3B (5150 LBS. MAX.)
O	HSS6x4x1/4 CONT. (ON FLAT) W/ HSS10x6x3/8 BELOW
P	HSS6x4x1/2 COLUMN W/ 1/2" CAP PL. AND 4-3/4" BOLTS.
Q	HOUSEKEEPING PAD, SEE 6/S204
R	2 L3x3x5/16 BRACE FROM TOP CHORD OF W12x30 TO BOTTOM OF W12x45 HANGER
S	DESIGN JOIST FOR CONCRETE EXTERIOR WALL LOAD. INCREASE SEAT TO 5 1/2". LOAD ALONG X8 IS 5'/JOIST AND ALONG X2 THE LOAD IS 10'/JOIST
T	PROVIDE FILLER TUBE HSS 5 1/2x4x3/8. TRIM FROM HSS 6x4x3/8 BETWEEN JOIST SEATS ALONG ENTIRE LENGTH OF BEAM. SEE 2/S301.
X-X'	TOP OF BEAM ELEVATION (T.O.B.)
I	STEEL COLUMN, SEE PLAN
M	MOMENT CONNECTION, SEE 3/S302 AND 4/S302
+	BEAM TO BEAM MOMENT CONNECTION, SEE 5/S302

SEE PLAN FOR TOP OF STEEL ELEVATION (T.O.S.). ALL ELEVATIONS ARE TO UNDERSIDE OF METAL DECK.

STEEL JOIST FABRICATOR: PROVIDE K-SERIES JOIST OF THE DEPTH INDICATED. IN ADDITION TO THE STEEL JOIST INSTITUTE TOTAL/DEAD/LIVE LOADS FOR THE SECTION NUMBER INDICATED, ROOF JOISTS SHALL BE DESIGNED FOR WIND UPLIFT PRESSURE AS INDICATED ON SHEET S202 (LESS JOIST SELF WEIGHT + 20 PSF) O.6.

JOIST SEAT DEPTH = 2 1/2" FOR K SERIES
JOIST SEAT DEPTH = 5" FOR LH SERIES

COORDINATE FLOOR OPENINGS W/ ARCH. AND MEP DRAWINGS (NOT ALL SHOWN). REF. DETAILS 1/S303 AND 2/S303

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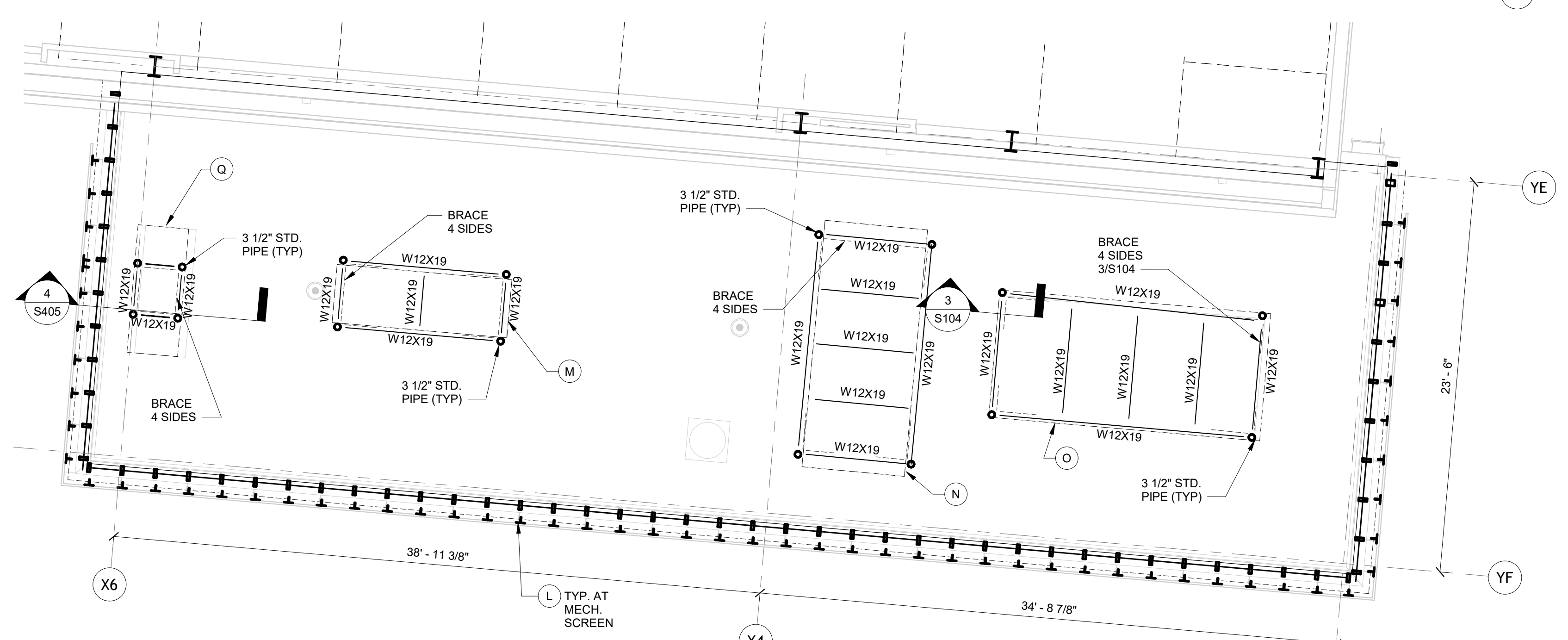
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INTERMEDIATE ROOF AND SECOND FLOOR FRAMING PLAN

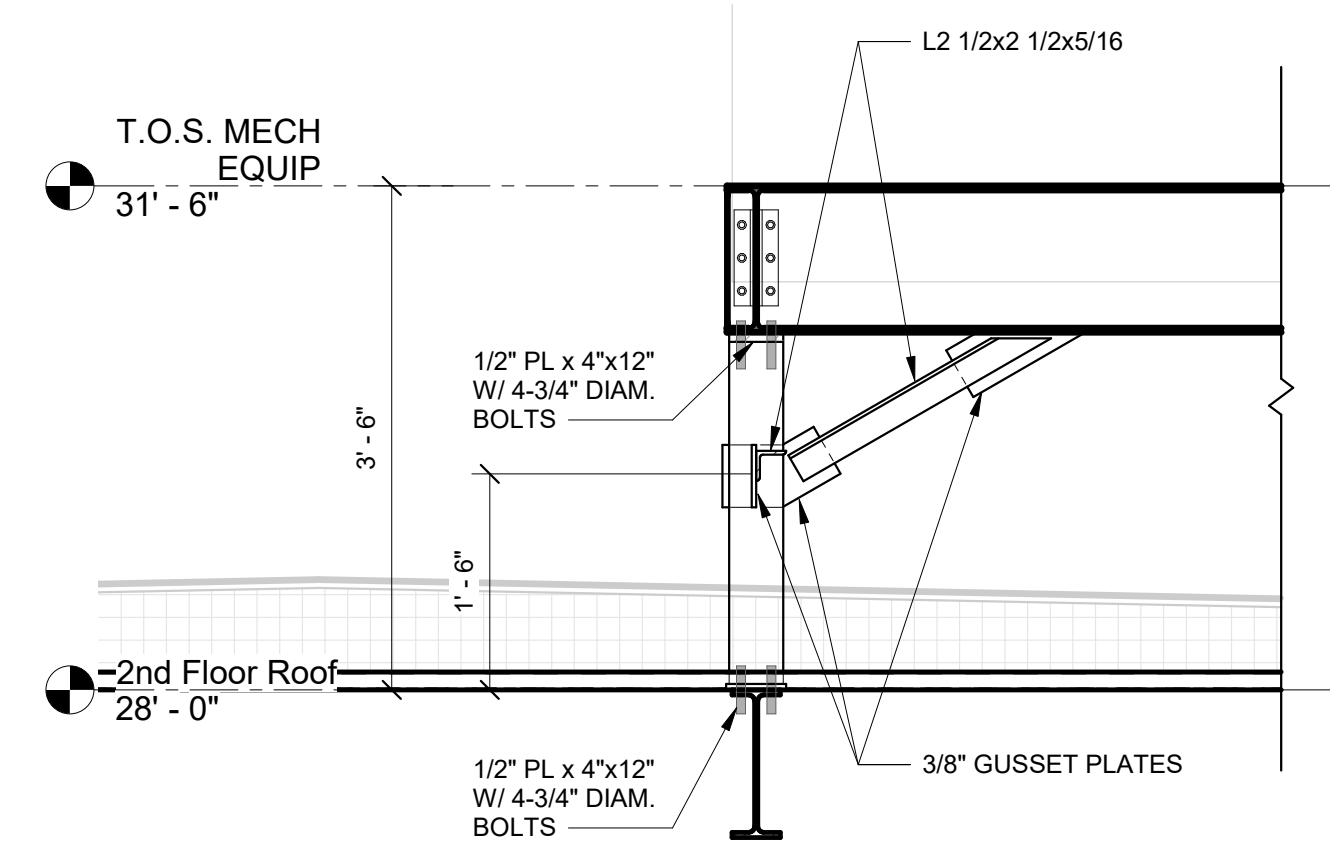
	project number	21161.00	drawing number	S103
	date	11-27-19		
	phase	100% C.D.		



1 UPPER ROOF FRAMING PLAN
1/8" = 1'-0"



2 MECHANICAL UNIT SUPPORT FRAMING (T.O.S. 31'-6")
3/16" = 1'-0"



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

UPPER ROOF FRAMING PLAN LEGEND/NOTES	
MARK	DESCRIPTION
A	1.5 B 19 GALV. ROOF DECK W/ 3/4" DIA. PUDDLE WELDS 3/65 PATTERN W/ #12 SIDE LAP SCREWS @ 12" O.C.
B	3 1/2" x 19 GA. EPOCURE ER3 SA ROOF DECK (INCLUDE ACOUSTIC INSULATION) W/ HULTI X-HS24 FASTENERS AT STEEL JOISTS OR X-ENP-19 FASTENERS AT STEEL BEAMS, 24/3 PATTERN W/ #12 SIDE LAP SCREWS @ 12" O.C. (BASIS OF DESIGN).
C	5" TOTAL SLAB SYSTEM THICKNESS W/ 1.5 VL 19 GALV. METAL DECK W/ SEMI LT. WT. CONCRETE W/ WWF 6x6-W2 1xW2 1 W/ 3/4" DIA. PUDDLE WELD 3/65 PATTERN W/ #12 SIDE LAP SCREWS @ 12" O.C. (SEE 4/S303 FOR REINFORCING BAR SUPPORT GRID).
D	1 ROW OF BRIDGING AS SPECIFIED BY THE MANUFACTURER, SEE 5/S300 AND 6/S300
E	1 ROW OF HORIZONTAL UPLIFT BOTTOM CHORD BRIDGING AT FIRST PANEL POINT
F	PROVIDE FILLER ANGLE BETWEEN JOIST SEATS ALONG ENTIRE LENGTH OF BEAM PER 3/S301, TYPICAL
G	CONTINUOUS FILLER ANGLE ON TOP OF BEAM PER 3/S301, SIMILAR.
H	MOMENT CONNECTED BEAMS SHALL HAVE BOTTOM FLANGE BRACING @ 8'-0" O.C. MAX. SEE 1/S300
I	PRE-ENGINEERED, PRE-FABRICATED STEEL STAIR. SEE ARCHITECTURAL DETAILS AND SPECIFICATIONS.
J	EXTEND TOP CHORD.
K	ROOF HATCH, SEE 3/S300.
L	MECHANICAL SCREEN SUPPORT, SEE 1/S304
M	AHU-2 (1,500 LBS. MAX.)
N	AHU-4 (3,100 LBS. MAX.)
O	CH-1 (9,000 LBS. MAX.)
P	AT EXTERIOR LADDER INSTALL CFS 16GA. BOX COLUMN EACH SIDE FOR LADDER ATTACHMENT
Q	BUFFER TANK (3,300 LBS. MAX.)
R	AIR SEPARATOR (MAX. 450 LBS.)
X-X'	TOP OF BEAM ELEVATION (TOB)
I	STEEL COLUMN, SEE PLAN
T	MOMENT CONNECTION, SEE 3/S302 AND 4/S302
+	BEAM TO BEAM MOMENT CONNECTION, SEE 5/S302
SEE PLAN FOR TOP OF STEEL ELEVATION (T.O.S.). ALL ELEVATIONS ARE TO UNDERSIDE OF METAL DECK.	
STEEL JOIST FABRICATOR: PROVIDE K-SERIES JOIST OF THE DEPTH INDICATED. IN ADDITION TO THE STEEL JOIST INSTITUTE TOTAL/DEAD/LIVE LOADS FOR THE SECTION NUMBER INDICATED, ROOF JOISTS SHALL BE DESIGNED FOR WIND UPLIFT PRESSURE AS INDICATED ON SHEET S202 (LESS JOIST SELF WEIGHT + 20 PSF) 0.6.	
JOIST SEAT DEPTH = 2 1/2" FOR K SERIES JOIST SEAT DEPTH = 3" FOR LH SERIES	
COORDINATE FLOOR OPENINGS W/ ARCH. AND MEP DWGS. (NOT ALL SHOWN). REF. DETAILS 1/S303 AND 2/S303	

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REVISIONS		
No.	DESCRIPTION	DATE

**JEFFERSON PARISH BUSINESS PARK:
 SCIENCE AND TECHNOLOGY ACADEMY AND
 CONFERENCE CENTER**
 701 CHURCHHILL PKWY, AVONDALE LA

UPPER ROOF FRAMING PLAN		
project number	21161.00	drawing number
date	11-27-19	S104
phase	100% C.D.	

SPECIAL INSPECTION PER THE 2015 IBC:						
1. THE OWNER WILL EMPLOY THE SERVICES OF ONE OR MORE SPECIAL INSPECTORS TO PROVIDE SPECIAL INSPECTIONS DURING CONSTRUCTION FOR THE REQUIRED SPECIAL INSPECTION ITEMS. 2. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON FROM AN APPROVED AGENCY WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, AND THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE, FOR THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. 3. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH: A. THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. THE INSPECTOR MAY NOT ALTER, MODIFY, ENLARGE OR WAIVE ANY OF THE REQUIREMENTS OF THE DOCUMENTS. B. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE PROFESSIONAL-OF-RECORD, AND THE CONTRACTOR. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. THEN, IF UNCORRECTED, SUBMIT A COMPLETE LIST OF ALL OUTSTANDING DISCREPANCIES ON A WEEKLY BASIS TO THE OWNER, THE BUILDING OFFICIAL, AND THE PROFESSIONAL-OF-RECORD, UNTIL ALL CORRECTIONS HAVE BEEN COMPLETED. C. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE BUILDING CODE. 4. WHERE SPECIAL INSPECTION REQUIREMENTS DUPLICATE THE REQUIREMENTS OF OTHER SPECIFIED TESTING, DUPLICATE INSPECTIONS SHALL NOT BE REQUIRED. 5. STRUCTURAL OBSERVATION (AS DEFINED IN CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE) IS NOT REQUIRED, UNLESS SPECIFICALLY REQUIRED BY THE BUILDING OFFICIAL.						
LIST OF SPECIAL INSPECTIONS						
	CONT.	PERIODIC	N/A	REFERENCED STANDARD		
SOIL				IBC TABLE 1705.6		
	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 COMPACTED FILL MATERIALS	-	X	-		
	4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X	-	-		
5. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	-	X	-			
CONCRETE				IBC TABLE 1705.3		
	1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT	-	X	-	ACI 318: 3.5, 7.1-7.7	
	2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1705.2.2, ITEM 2B	X	-	-	SEE OTHER STEEL SECTION	
	3. INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED	-	X	-	ACI 318: 8.1.3, 21.2.8	
	4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS	-	X	-	ACI 318: 3.8.6, 8.1.3, 21.2.8	
	5. VERIFYING USE OF REQUIRED DESIGN MIX	-	X	-	ACI 318: CH. 4, 5.2-5.4	
	6. 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	-	-	ASTM C172; ASTM C31; ACI 318: 5.4, 5.8	
	7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	-	-	ACI 318: 5.9, 5.10	
	8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	-	X	-	ACI 318: 5.11-5.13	
	9. INSPECTION OF PRESTRESSED CONCRETE: A. APPLICATION OF PRESTRESSING FORCE B. GROUTING OF BONDING PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM	-	-	X	ACI 318: 18.20 ACI 318: 18.18.4	
	10. ERECTION OF PRECAST CONCRETE MEMBERS	-	-	X	ACI 318: CH. 16	
	11. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	-	X	-	ACI 318: 6.2	
	12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	-	X	-	ACI 318: 6.1.1	
FOUNDATIONS				IBC SECTION 1705.5		
	1. DRIVEN PILES A. VERIFY PILE MATERIALS, SIZES, AND LENGTHS COMPLY WITH THE REQUIREMENTS B. DETERMINE CAPACITIES OF TEST PILES AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED C. OBSERVE DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH PILE D. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS, AND DOCUMENT ANY PILE DAMAGE E. FOR STEEL PILES, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.2 F. FOR CONCRETE PILES AND CONCRETE-FILLED PILES, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.3 G. FOR SPECIALTY PILES, PERFORM ADDITIONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE	X	-	-	IBC TABLE 1705.7	
	2. CAST-IN-PLACE PILES OR PIERS A. OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH PILE/PIER B. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM PILE DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END-BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES. C. FOR CONCRETE PILES, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.3	-	-	X		
	3. FOR CONCRETE PIERS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH TABLE 1705.3, REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION	-	-	X		
	4. FOR MASONRY FOUNDATION ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.4	-	-	X		
	WIND RESISTANCE				IBC SECTION 1705.10	
		1. SPECIAL INSPECTION FOR WIND RESISTANCE IS REQUIRED WHEN: A. WIND EXPOSURE CATEGORY B WHEN THE ULTIMATE DESIGN WIND SPEED IS GREATER THAN OR EQUAL TO 143 MPH (NOMINAL DESIGN WIND SPEED GREATER THAN OR EQUAL TO 110 MPH) B. WIND EXPOSURE CATEGORY C WHEN THE ULTIMATE DESIGN WIND SPEED IS GREATER THAN OR EQUAL TO 155 MPH (NOMINAL DESIGN WIND SPEED GREATER THAN OR EQUAL TO 120 MPH)	-	-	X	IBC 1705.10.1, 1705.11.2
		2. STRUCTURAL WOOD A. FIELD GLUING OPERATIONS OF WOOD ELEMENTS OF THE MAIN-WINDFORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, SHEAR PANELS, AND HOLD-DOWNS B. NAILING, BOLTING, ANCHORING AND OTHER FASTENING TO COMPONENTS OF THE MAIN-WINDFORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, SHEAR PANELS, AND HOLD-DOWNS WHERE THE FASTENER SPACING IS 4" OC OR LESS	-	-	X	IBC 1705.10.1, 1705.11.2
		3. COLD-FORMED STEEL LIGHT FRAME CONSTRUCTION A. WELDING OPERATIONS OF ELEMENTS OF THE MAIN-WINDFORCE-RESISTING SYSTEM B. SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING TO COMPONENTS OF THE MAIN-WINDFORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, SHEAR PANELS, AND HOLD-DOWNS C. EXCEPTIONS: SPECIAL INSPECTION IS NOT REQUIRED WHERE THE SHEATHING IS GYPSUM OR FIBERBOARD. SPECIAL INSPECTION IS NOT REQUIRED WHERE THE SHEATHING IS STRUCTURAL PANEL OR STEEL SHEET ON ONE SIDE OF THE SHEAR WALL, SHEAR PANEL, OR DIAPHRAGM ASSEMBLY AND THE FASTENER SPACING OF THE SHEATHING IS MORE THAN 4" OC	-	X	-	IBC 1705.10.1, 1705.11.2
		4. WIND RESISTING COMPONENTS A. ROOF CLADDING B. WALL CLADDING	-	X	-	IBC 1705.10.1, 1705.11.2
			-	X	-	IBC 1705.10.1, 1705.11.2
			-	X	-	IBC 1705.10.1, 1705.11.2
			-	X	-	IBC 1705.10.1, 1705.11.2
			-	X	-	IBC 1705.10.1, 1705.11.2
		-	X	-	IBC 1705.10.1, 1705.11.2	
	-	X	-	IBC 1705.10.1, 1705.11.2		

LIST OF SPECIAL INSPECTIONS						
	CONT.	PERIODIC	N/A	REFERENCED STANDARD		
STRUCTURAL STEEL				IBC SECTION 1705.2		
	1. INSPECTION TASKS PRIOR TO WELDING A. WELDING PROCEDURE SPECIFICATIONS AVAILABLE B. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE C. MATERIAL IDENTIFICATION, INCLUDING TYPE OR GRADE D. WELDER IDENTIFICATION SYSTEM E. FIT-UP OF GROOVE WELDS INCLUDING JOINT GEOMETRY F. PREHEAT APPLIED G. DIMENSIONS - ALIGNMENT, ROOT OPENING, ROOT FACE, AND BEVEL H. CLEANLINESS - CONDITION OF STEEL SURFACES I. TACKING - TACK WELD QUALITY AND LOCATION J. BACKING TYPE AND FIT IF APPLICABLE K. CONFIGURATION AND FINISH OF ACCESS HOLES L. FIT-UP OF FILLET WELDS M. DIMENSIONS - ALIGNMENT, GAPS AT ROOT N. CLEANLINESS - CONDITION OF STEEL SURFACES O. TACKING - TACK WELD QUALITY AND LOCATION	-	X	-	IBC SECTION 1705.2	
	2. INSPECTION TASKS DURING WELDING A. USE OF QUALIFIED WELDERS B. CONTROL AND HANDLING OF WELDING CONSUMABLES C. PACKAGING D. EXPOSURE CONTROL E. NO WELDING OVER CRACKED TACK WELDS F. ENVIRONMENTAL CONDITIONS G. WIND SPEED WITHIN LIMITS H. PRECIPITATION AND TEMPERATURE I. WPS FOLLOWED J. SETTINGS ON WELDING EQUIPMENT K. TRAVEL SPEED L. SELECTED WELDING MATERIALS M. SHIELDING GAS TYPE/FLOWRATE N. PREHEAT APPLIED O. INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) P. PROPER POSITION (F, V, H, OH) Q. WELDING TECHNIQUES R. INTERPASS AND FINAL CLEANING S. EACH PASS WITHIN PROFILE LIMITATIONS T. EACH PASS MEETS QUALITY REQUIREMENTS	-	X	-	IBC 360 TABLE N5.4-2 AWS D1.1/D1.1M	
	3. INSPECTION TASKS AFTER WELDING A. WELDS CLEANED B. SIZE, LENGTH, AND LOCATION OF WELDS C. WELDS MEET VISUAL ACCEPTANCE CRITERIA D. CRACK DETECTION E. WELD/BASE METAL FUSION F. CRATER CROSS SECTION G. WELD PROFILES H. WELD SIZE I. UNDERCUT J. POROSITY K. ARC STRIKES L. K-AREA M. BACKING REMOVED AND WELD TABS REMOVED WHERE REQUIRED N. REPAIR ACTIVITIES O. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	-	X	-	IBC 360 TABLE N5.4-3 AWS D1.1/D1.1M	
	4. NONDESTRUCTIVE TESTING OF WELDED JOINTS A. ULTRASONIC TESTING (UT), MAGNETIC PARTICLE TESTING (MT), PENETRANT TESTING (PT) AND RADIOGRAPHIC TESTING (RT), WHERE REQUIRED, SHALL BE PERFORMED BY QUALITY ASSURANCE INSPECTOR IN ACCORDANCE WITH AWS D1.1/D1.1M. ACCEPTANCE CRITERIA SHALL BE IN ACCORDANCE WITH D1.1/D1.1M FOR STATICALLY LOADED STRUCTURES, UNLESS OTHERWISE DESIGNATED ON THE DESIGN DRAWINGS OR PROJECT SPECIFICATIONS B. FOR STRUCTURES IN RISK CATEGORY III, UT SHALL BE PERFORMED ON ALL CJP GROOVE WELDS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING IN BUTT, T-, AND CORNER JOINTS, IN MATERIALS 5/16" THICK OR GREATER C. FOR STRUCTURES IN RISK CATEGORY II, UT OF CJP GROOVE WELDS SHALL BE PERFORMED ON 10% SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING IN BUTT, T-, AND CORNER JOINTS, IN MATERIALS 5/16" THICK OR GREATER D. THERMALLY CUT SURFACES OF ACCESS HOLES SHALL BE TESTED USING MT OR PT, WHEN THE FLANGE THICKNESS EXCEEDS 7" FOR ROLLED SHAPES, OR WHEN THE WEB THICKNESS EXCEEDS 7" FOR BUILT-UP SHAPES E. WELDED JOINTS SUBJECT TO FATIGUE - WHEN REQUIRED BY AWS 360 APPENDIX 3, TABLE A-3.1, WELD SOUNDNESS TO BE ESTABLISHED BY RT OR UT INSPECTION SHALL BE TESTED AS PRESCRIBED F. THE RATE OF ULTRASONIC TESTING IS PERMITTED TO BE REDUCED IF THE REQUIREMENTS OF AWS 360 SECTION N.5.5 ARE SATISFIED, AND THE REDUCTION IS APPROVED BY THE ENGINEER OF RECORD OR THE APPROVER HAVING JURISDICTION. THE RATE OF ULTRASONIC TESTING MAY BE INCREASED IF THE REJECT RATE IS TOO HIGH, AS OUTLINED IN AWS 360 SECTION N.5.5.F G. ALL NONDESTRUCTIVE TESTING PERFORMED SHALL BE DOCUMENTED, WHETHER COMPLETED IN THE SHOP OR THE FIELD. WHEN A WELD IS REJECTED BASED ON NONDESTRUCTIVE TESTING, THE RECORD SHALL INDICATE THE LOCATION OF THE DEFECT AND THE BASIS OF THE REJECTION	-	X	-	IBC 360 TABLE N5.5 AWS D1.1/D1.1M	
	5. INSPECTION TASKS PRIOR TO BOLTING A. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS B. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS C. PROPER FASTENERS SELECTED FOR THE JOINT DETAIL - GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE D. PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL E. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS F. PROPER INSTALLATION OF CONCRETE CONSTRUCTION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED (NOT REQUIRED FOR SNUG-TIGHT JOINTS) G. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS	-	X	-	IBC 360 TABLE N5.6-1	
	6. INSPECTION TASKS DURING BOLTING A. FASTENER ASSEMBLIES OF SUITABLE CONDITION PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED B. JOINT BROUGHT TO THE SNUG-TIGHT POSITION PRIOR TO THE PRETENSIONING OPERATION C. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING D. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE WRENCH SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARDS THE FREE EDGES E. EXCEPTIONS: THE INSPECTOR NEED NOT BE PRESENT DURING THE INSTALLATION OF FASTENERS IN SNUG-TIGHT JOINTS. THE INSPECTOR NEED NOT BE PRESENT DURING THE INSTALLATION OF PRETENSIONED AND SLIP-CRITICAL JOINTS WHEN USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT, OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION	-	X	-	IBC 360 TABLE N5.6-2	
	7. INSPECTION TASKS AFTER BOLTING A. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS B. OTHER INSPECTION TASKS C. THE SPECIAL INSPECTOR SHALL BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT OF ANCHOR RODS AND OTHER ELEMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS, AS A MINIMUM, DIAMETER, GRADE, TYPE AND LENGTH OF ANCHOR ROD OR EMBEDDED ITEM, AND THE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRETE SHALL BE VERIFIED PRIOR TO PLACEMENT OF CONCRETE D. THE SPECIAL INSPECTOR SHALL INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS APPROPRIATE, TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS, AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	-	X	-	IBC 360 TABLE N5.6-3	
	8. INSPECTION OF COMPOSITE CONSTRUCTION A. PLACEMENT AND INSTALLATION OF STEEL DECK B. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS C. DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS	-	X	-	IBC 360 TABLE N6.1	
	9. THESE INSPECTIONS ARE INTENDED TO SATISFY QUALITY ASSURANCE AND NON-DESTRUCTIVE TESTING REQUIREMENTS OUTLINED IN AWS 360-10, CHAPTER N. THE FABRICATOR AND ERECTOR SHALL MAINTAIN THEIR OWN QUALITY CONTROL PROCEDURES AND PERFORM INSPECTIONS TO ENSURE THAT THEIR WORK IS PERFORMED IN ACCORDANCE WITH THE AWS 360-10 SPECIFICATION AND THE CONSTRUCTION DOCUMENTS.	-	X	-		
	OTHER STEEL CONSTRUCTION				IBC TABLE 1705.2.2	
		1. MATERIAL VERIFICATION OF COLD-FORMED STEEL DECK A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS B. MANUFACTURER'S CERTIFIED TEST REPORTS	-	X	-	APPLICABLE ASTM STANDARD
		2. INSPECTION OF WELDING A. COLD-FORMED STEEL DECK I. FLOOR AND ROOF DECK WELDS B. REINFORCING STEEL I. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706 II. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT C. SHEAR REINFORCEMENT D. OTHER REINFORCING STEEL	-	X	-	AWS D1.3 AWS D1.4; ACI 318: 3.5.2
			-	X	-	
			-	X	-	

mgjell, Nov 25, 2019, 2:45pm E:\Struct\60599 P.E. Taylor Events\Center_R19Struct\60599-2014-5202.dwg

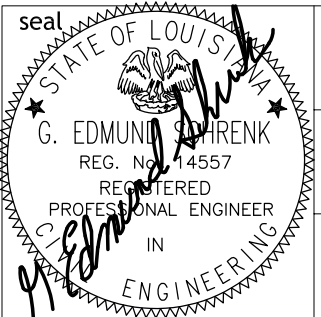
SIZELER THOMPSON BROWN ARCHITECTS
REGIONAL DESIGN GROUP, LLC
 300 LAFAYETTE STREET, SUITE 200
 NEW ORLEANS, LOUISIANA 70130
 (504) 523-6472 FAX (504) 529-1181

REVISIONS		
No.	DESCRIPTION	DATE

**JEFFERSON PARISH BUSINESS PARK:
SCIENCE AND TECHNOLOGY ACADEMY AND
CONFERENCE CENTER**
701 CHURCHILL PKWY, AVONDALE LA

SPECIAL INSPECTIONS

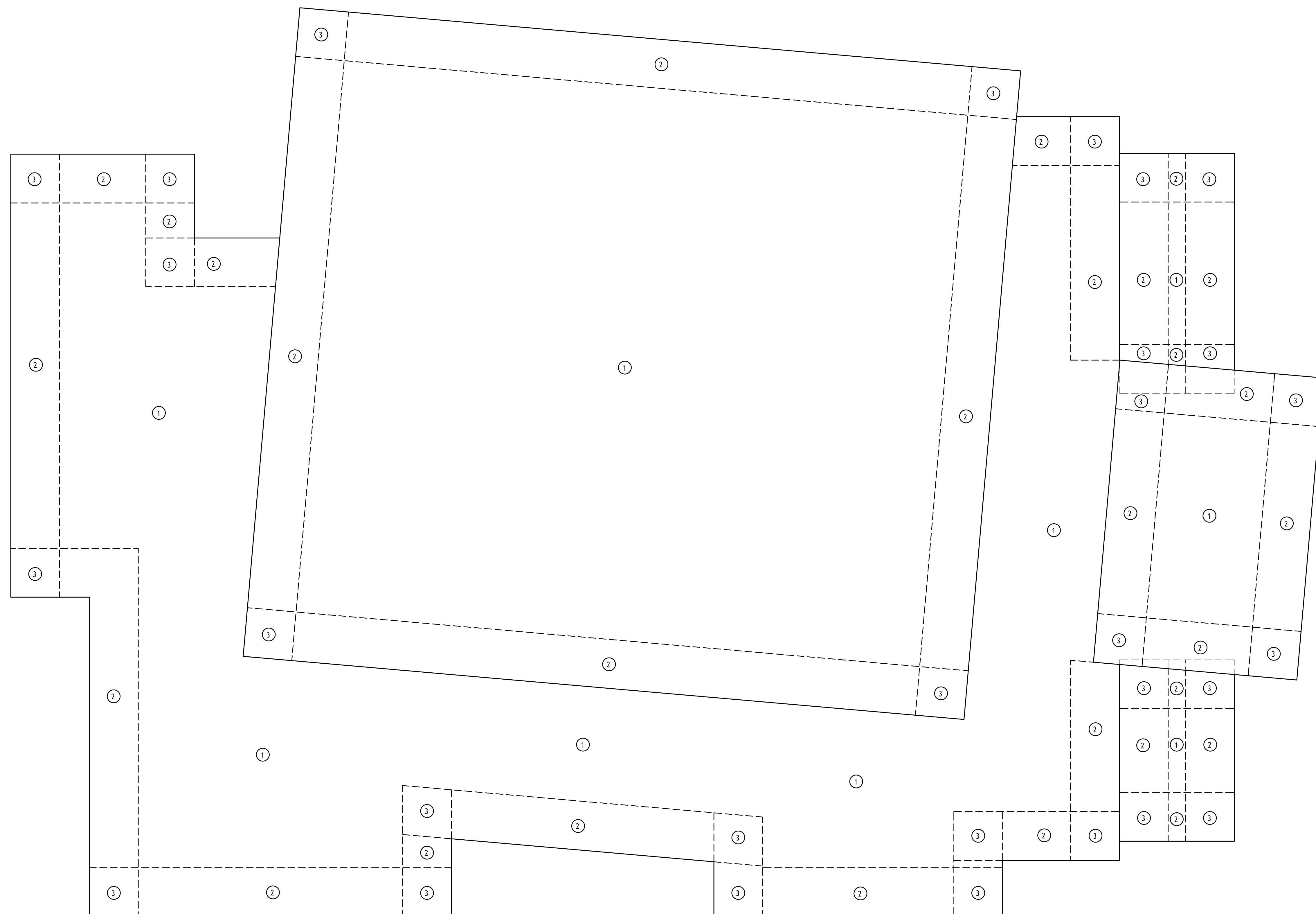
project number	21161.00	drawing number	S201
date	11-27-19	phase	
phase	100% C.D.		



**COMPONENTS AND CLADDING DESIGN PRESSURES
(PSF) PER IBC 2015**

ZONE EWA (FT ²)	ROOF						WALL			
	INTERIOR ZONE		END ZONE		CORNER ZONE		INTERIOR ZONE		END ZONE	
	①	②	②	②	③	③	④	④	⑤	⑤
≤10	24	-56	24	-72	24	-125	48	-52	48	-80
20	23	-56	23	-71	23	-118	45	-50	45	-75
50	22	-56	22	-69	22	-110	42	-48	42	-67
100	21	-56	21	-68	21	-103	40	-46	40	-62
200	20	-56	20	-67	20	-96	37	-44	37	-56
≥500	19	-56	19	-65	19	-88	34	-42	34	-48

NOTES:
 1) EWA IS THE EFFECTIVE WIND AREA OF A STRUCTURAL COMPONENT.
 2) FOR ZONE DEFINITIONS, SEE ASCE 7.10 FIGURES 6-11A TO 6-17 AND 6-19A.
 3) PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACES, RESPECTIVELY.
 4) WIND UPLIFT PRESSURES ARE NET PRESSURES.
 5) WIND LOADS ARE ULTIMATE STRENGTH LEVEL.



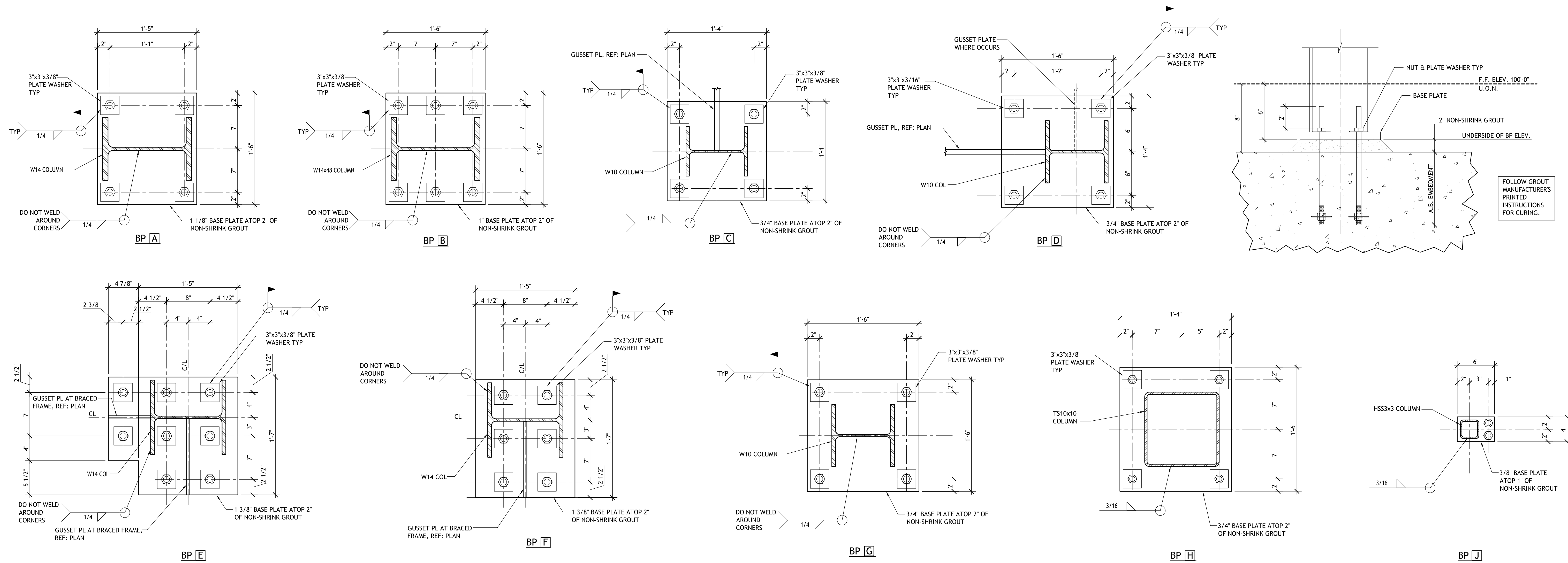
SIZELER THOMPSON BROWN ARCHITECTS
 REGIONAL DESIGN GROUP, LLC
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REVISIONS		
No.	DESCRIPTION	DATE

**JEFFERSON PARISH BUSINESS PARK:
 SCIENCE AND TECHNOLOGY ACADEMY AND
 CONFERENCE CENTER**
 701 CHURCHHILL PKWY, AVONDALE LA

WIND PRESSURES

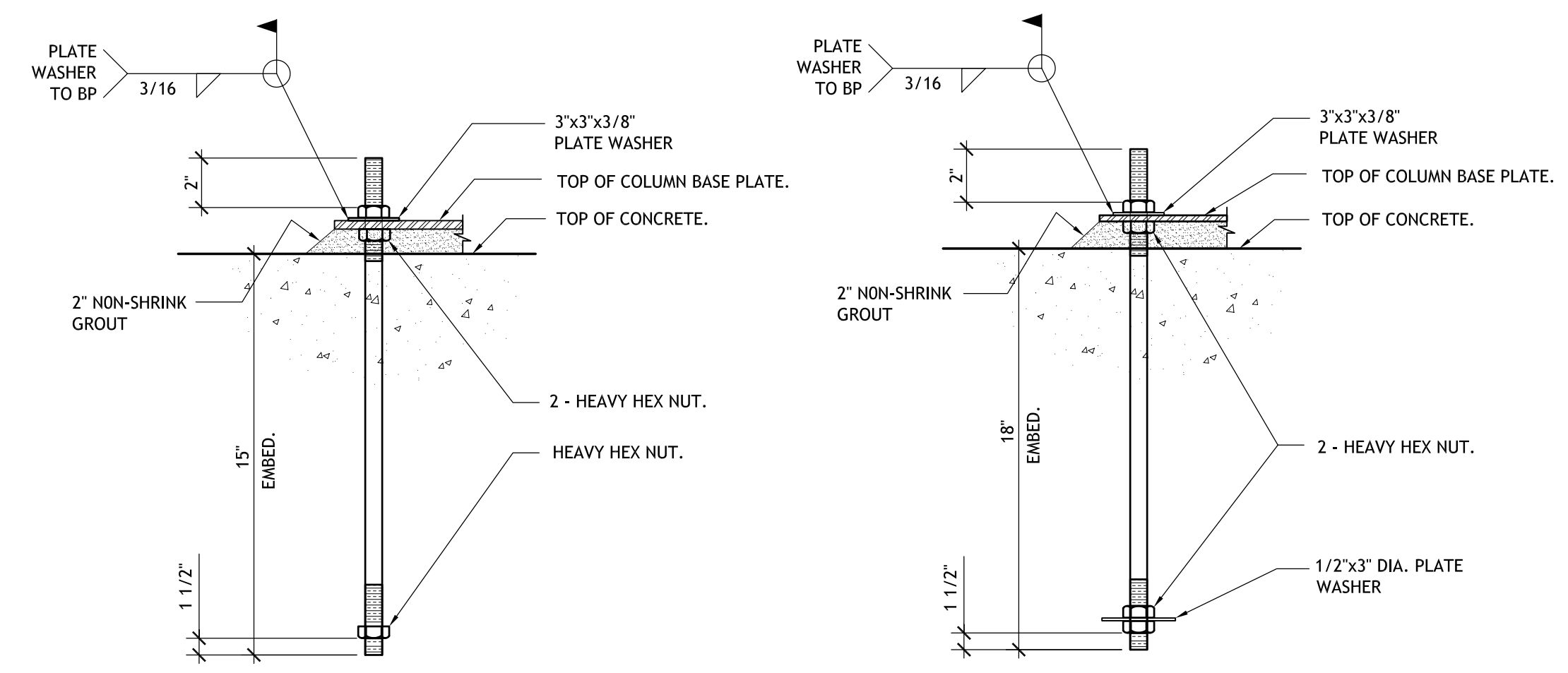
project number	21161.00	drawing number	S202
date	11-27-19	phase	
phase	100% C.D.		



BOTTOM OF ALL BASE PLATES ARE 6" BELOW F.F.

1
S203

BASE PLATE DETAILS
N.T.S.



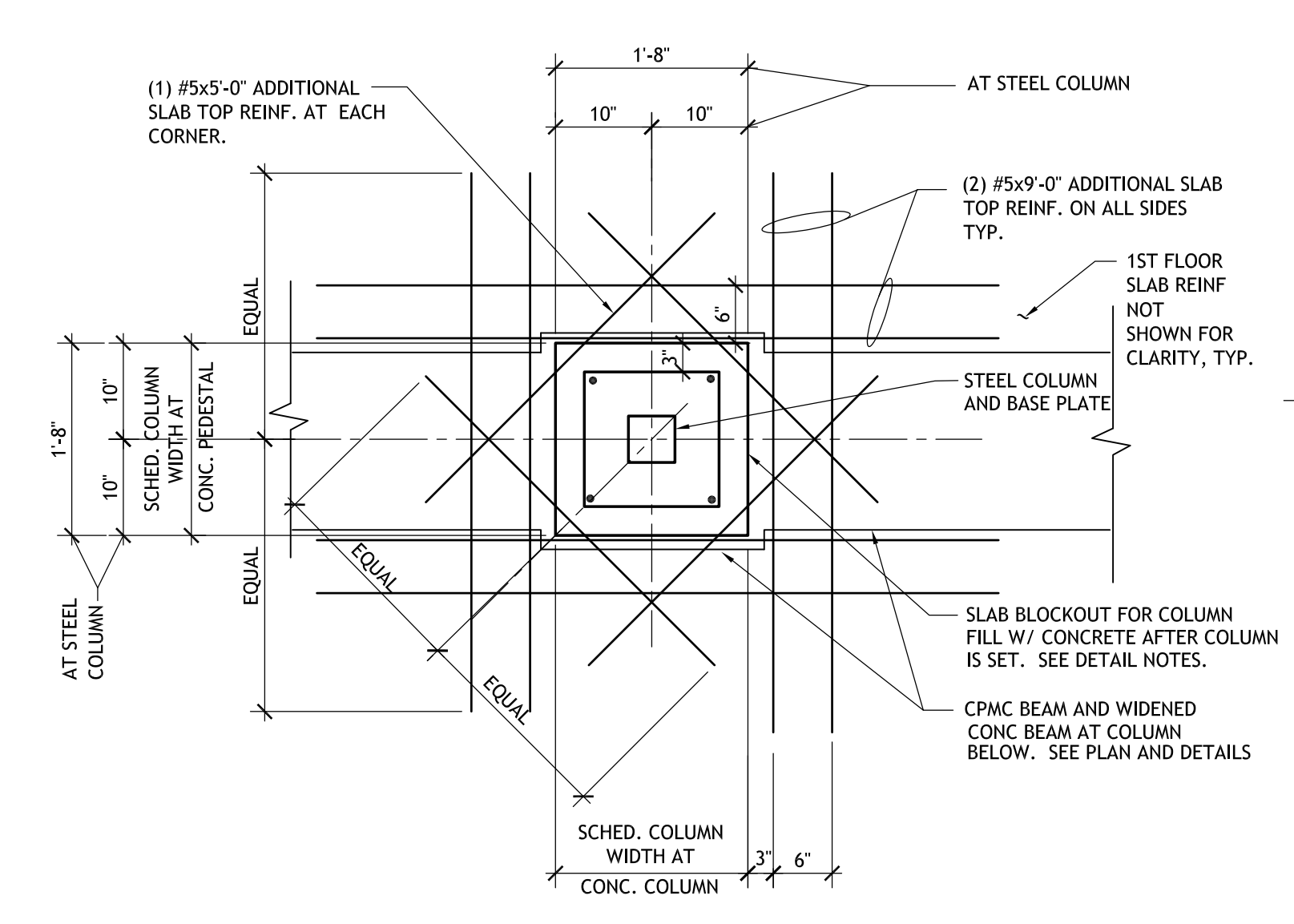
- NOTES:
- USE 3/4"Ø A307 ANCHOR BOLTS. OVERSIZE HOLES IN BASE PLATES TO FACILITATE ERECTION. BOLTS 3/4" TO 1" = 5/16" OVERSIZE. BOLTS 1" TO 2" = 1/2" OVERSIZE.
 - BOLT THREADS AT THE EMBEDDED END SHALL BE STRIKED AT TWO PLACES BELOW THE HEAVY HEX NUT.
 - UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED BY AISC AFTER THE CONCRETE IS AT LEAST 14 DAYS OLD.
 - THE HOLE IN THE PLATE WASHER SHALL BE 1/16" LARGER THAN THE BOLT DIAMETER.
- NOTES:
- USE 1"Ø ASTM F 1554 GR. 105 ANCHOR BOLTS. OVERSIZE HOLES IN BASE PLATES TO FACILITATE ERECTION. BOLTS 3/4" TO 1" = 5/16" OVERSIZE. BOLTS 1" TO 2" = 1/2" OVERSIZE.
 - BOLT THREADS AT THE EMBEDDED END SHALL BE STRIKED AT TWO PLACES BELOW THE HEAVY HEX NUT.
 - UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED BY AISC AFTER THE CONCRETE IS AT LEAST 14 DAYS OLD.
 - THE HOLE IN THE PLATE WASHER SHALL BE 1/16" LARGER THAN THE BOLT DIAMETER.

AB 1

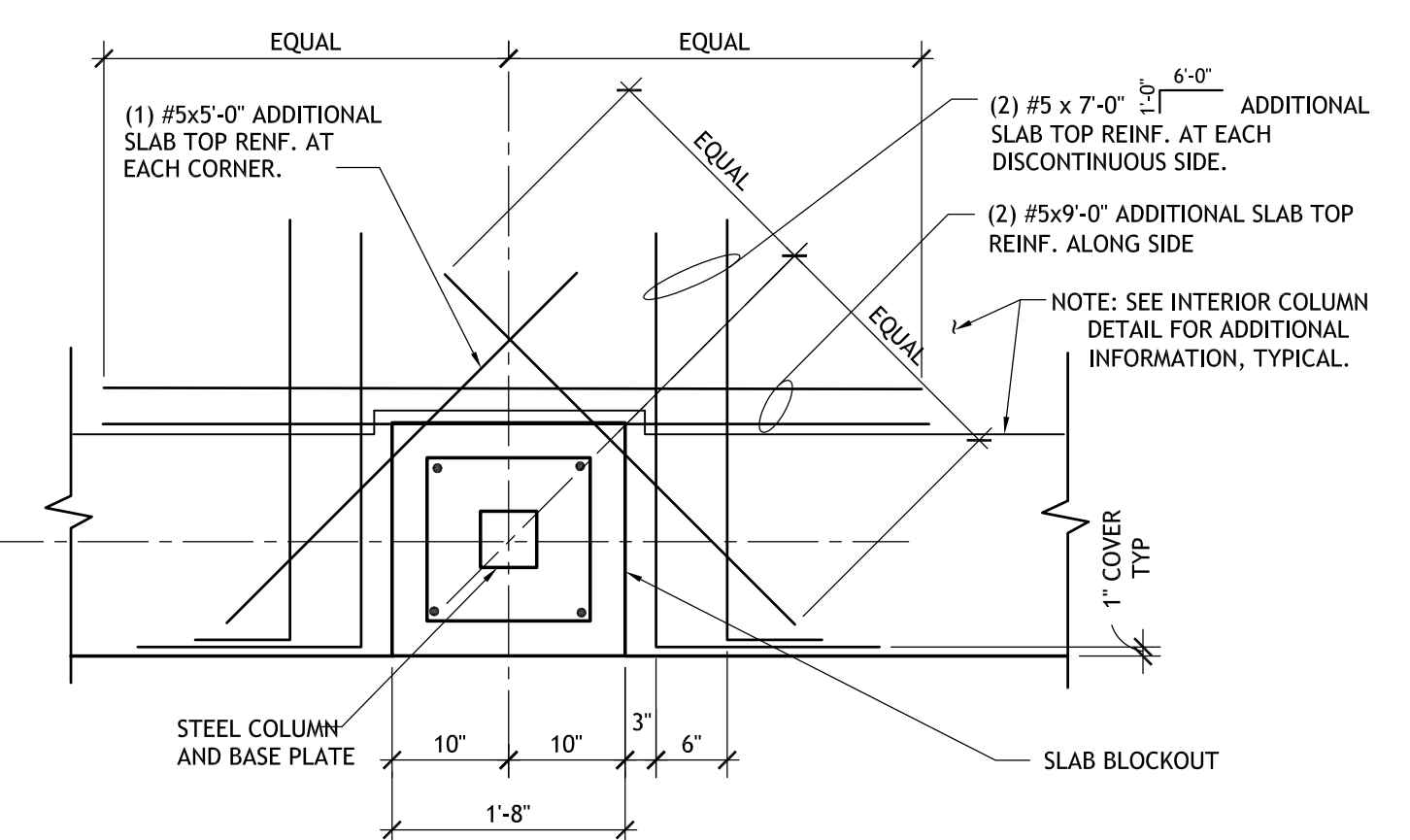
AB 2

2
S203

ANCHOR BOLT DETAILS
N.T.S.



3
S203



- PERIMETER COLUMN CORNER COLUMN SIMILAR
- DETAIL NOTES
- THIS DETAIL IS TO BE USED ONLY IF THE 1ST FLOOR SLAB IS TO BE POURED BEFORE THE STEEL COLUMNS ARE ERECTED OR IF THE CONCRETE PEDESTALS ARE POURED BEFORE THE 1ST FLOOR SLAB IS POURED.
 - IF THIS DETAIL IS USED, ADDITIONAL 8" THICK CONCRETE WALLS ARE REQUIRED TO SUPPORT THE SLAB EDGE WHERE THE SLAB EDGE WILL NOT BEAR ON A FOOTING BELOW. WALLS SHALL BE PROVIDED ON ALL SIDES OF THE BLOCKOUT. REINF. W/ #4 @ 10" o.c., EACH WAY.
 - IF THIS DETAIL IS USED, THEN ALL THE SLAB REINFORCING BARS, INTERRUPTED BY THE SLAB BLOCKOUT, SHALL BE PROVIDED WITH A STANDARD 90° HOOK.
 - LENGTH OF BLOCKOUT PARALLEL TO CONCRETE BEAM MAY NEED TO BE ENLARGED TO ACCOMMODATE BASE PLATE, GUSSET PLATE AND DIAGONAL BRACING WHEN COLUMN IS PART OF A BRACED FRAME. REFER TO PLAN FOR BRACED FRAME BASE DETAILS.

TYPICAL SLAB BLOCKOUT AT COLUMNS
N.T.S.

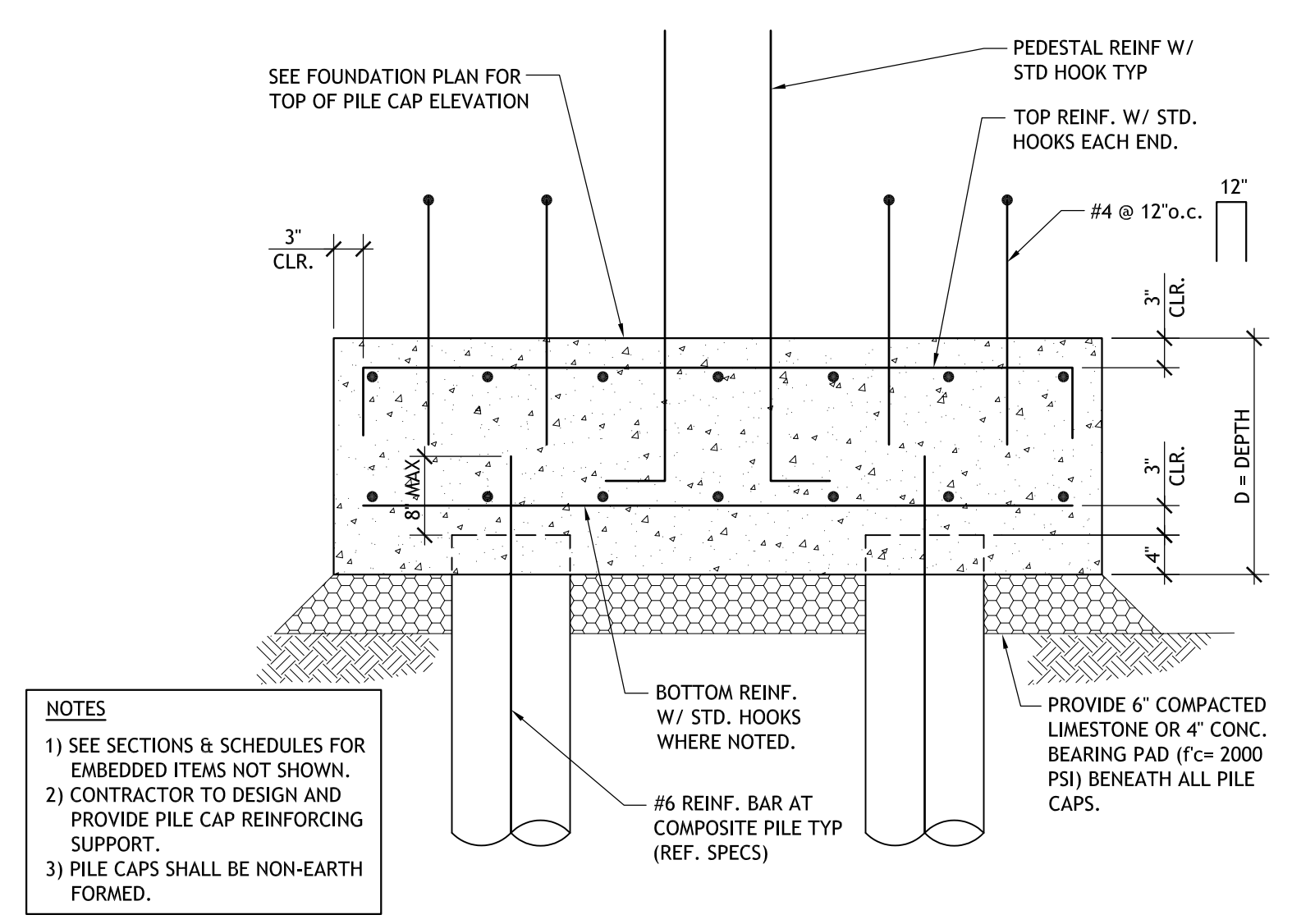
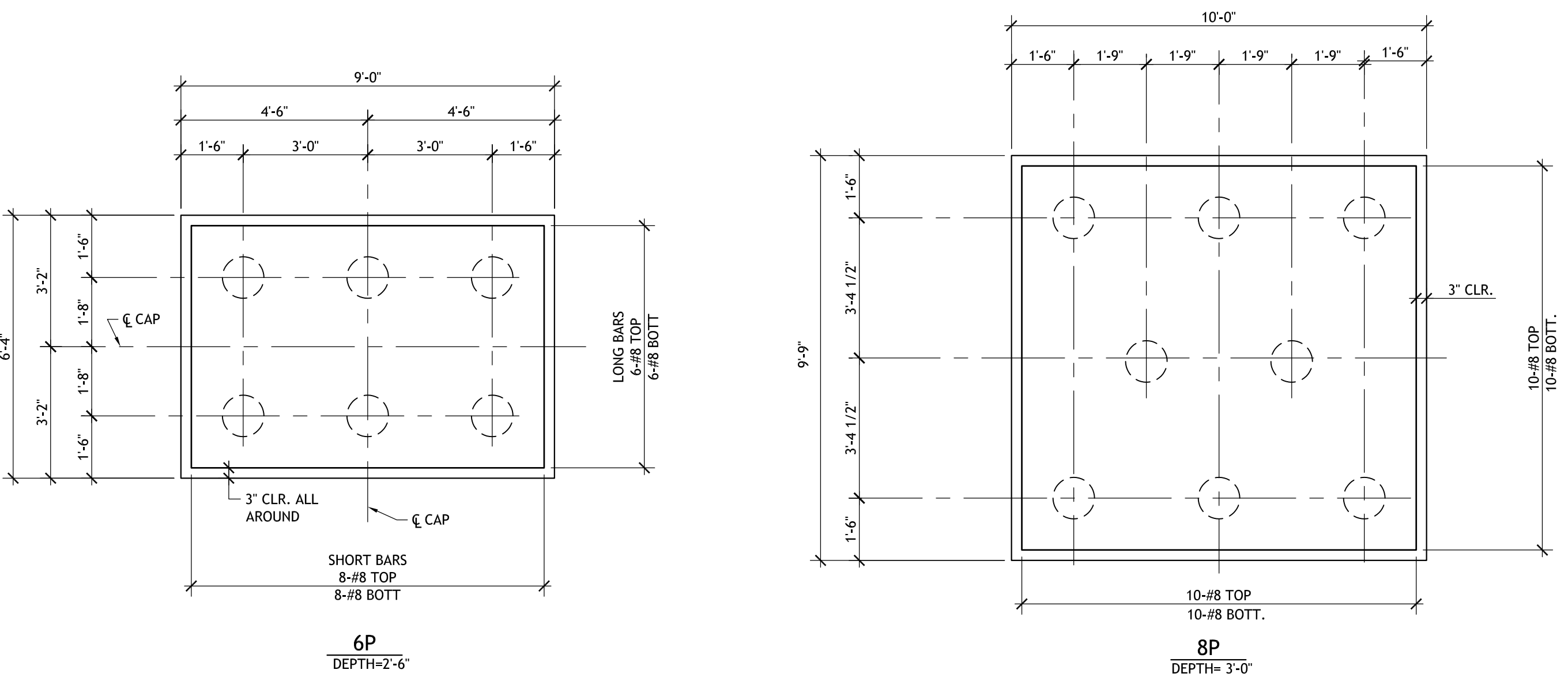
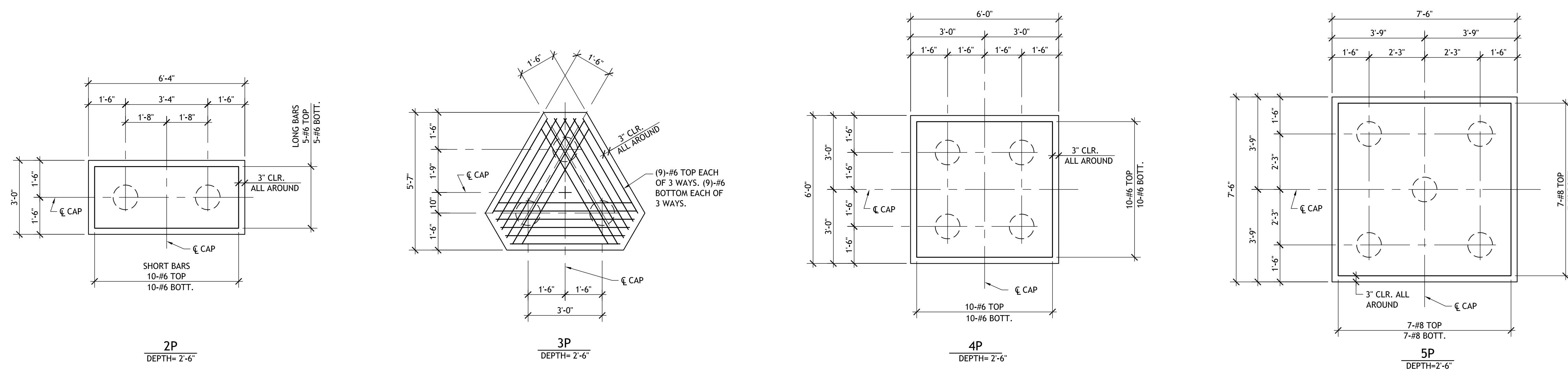
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BASE PLATE DETAILS

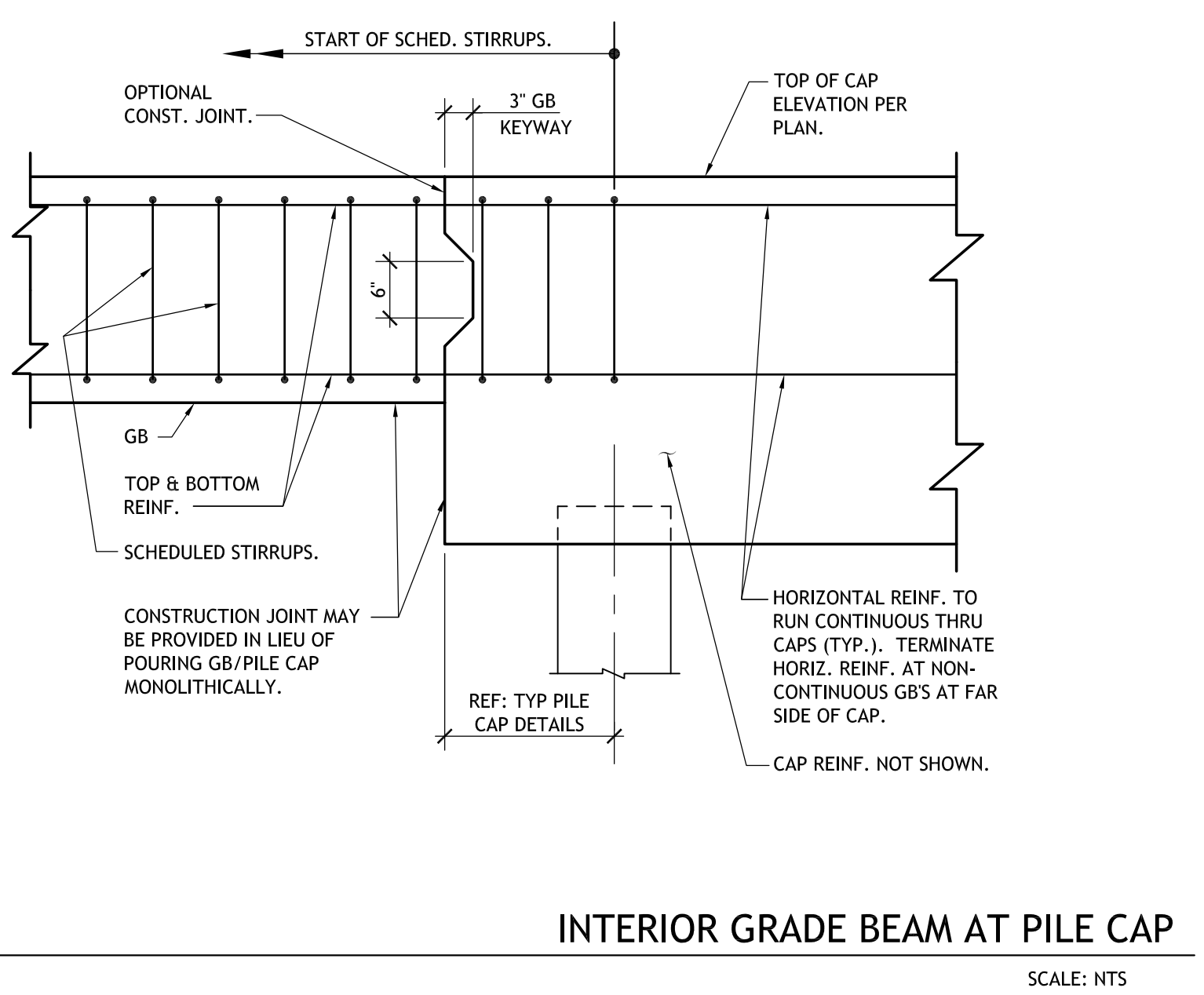
project number	21161.00	drawing number	S203
date	11-27-19	phase	100% C.D.



- NOTES**
- 1) SEE SECTIONS & SCHEDULES FOR EMBEDDED ITEMS NOT SHOWN.
 - 2) CONTRACTOR TO DESIGN AND PROVIDE PILE CAP REINFORCING SUPPORT.
 - 3) PILE CAPS SHALL BE NON-EARTH FORMED.

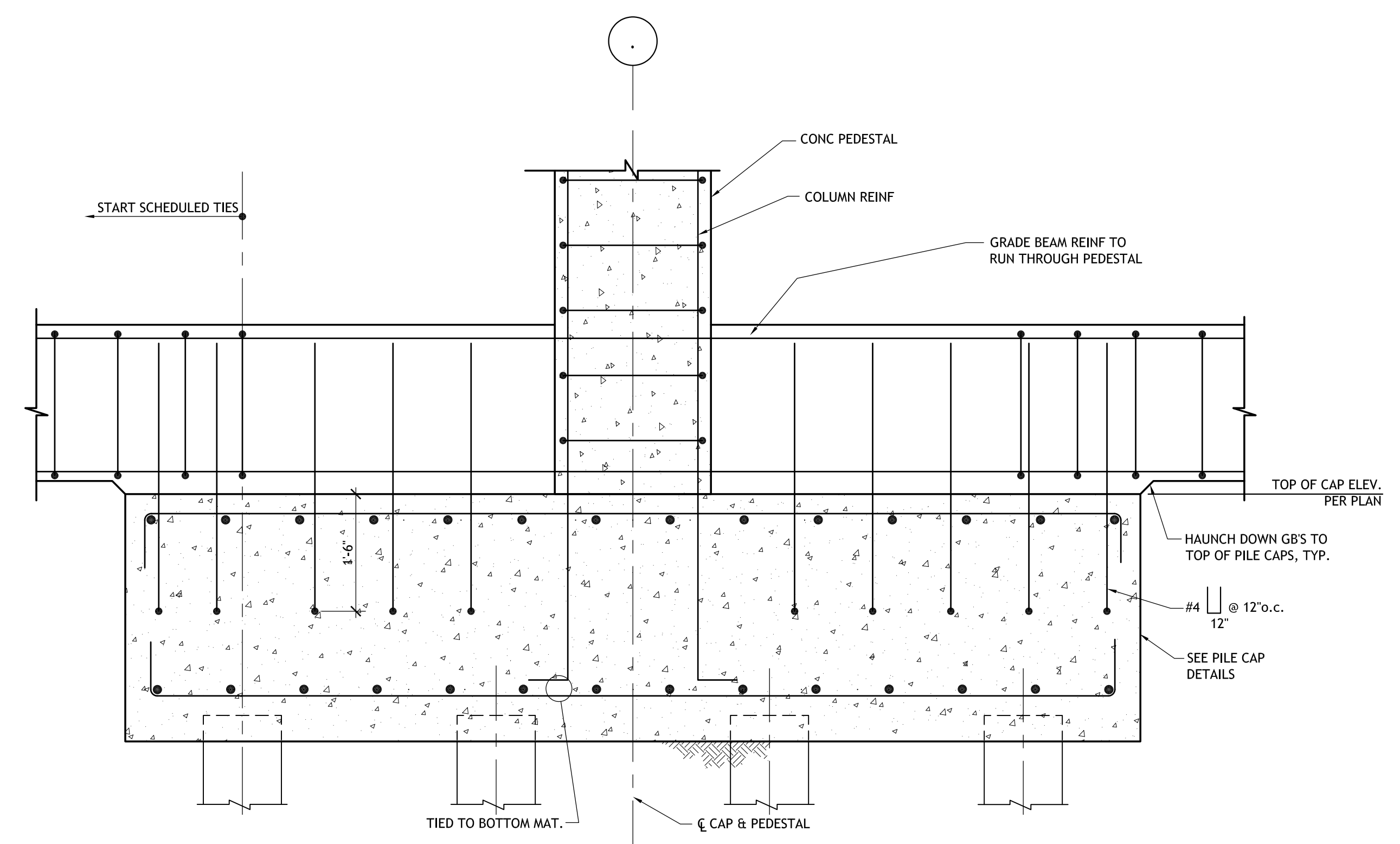
TYPICAL PILE CAP DETAILS
SCALE: NTS

1
S203.1



INTERIOR GRADE BEAM AT PILE CAP
SCALE: NTS

2
S203.1



EXTERIOR GRADE BEAM AT PILE CAP
SCALE: NTS

3
S203.1

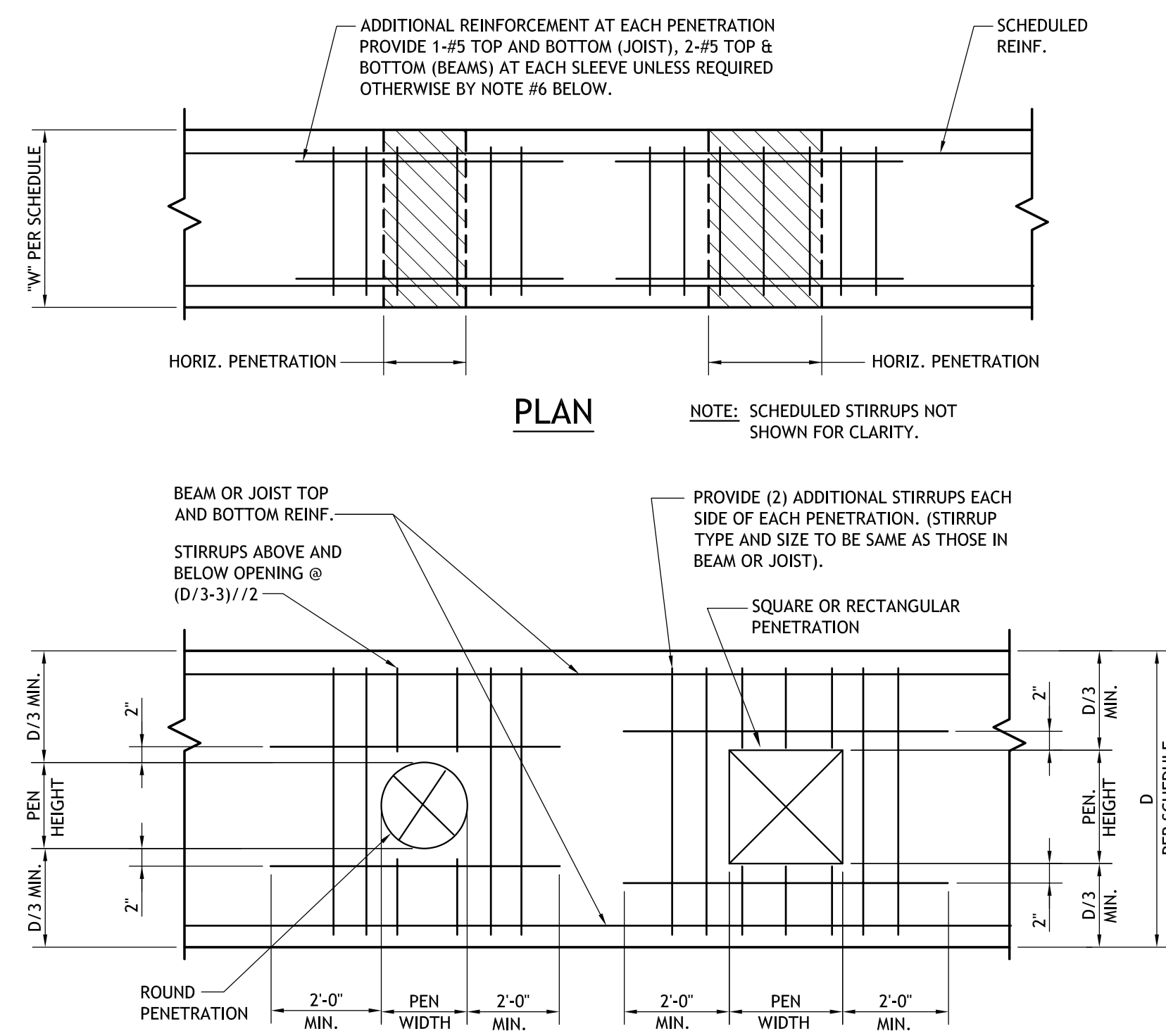
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PILE CAP DETAILS

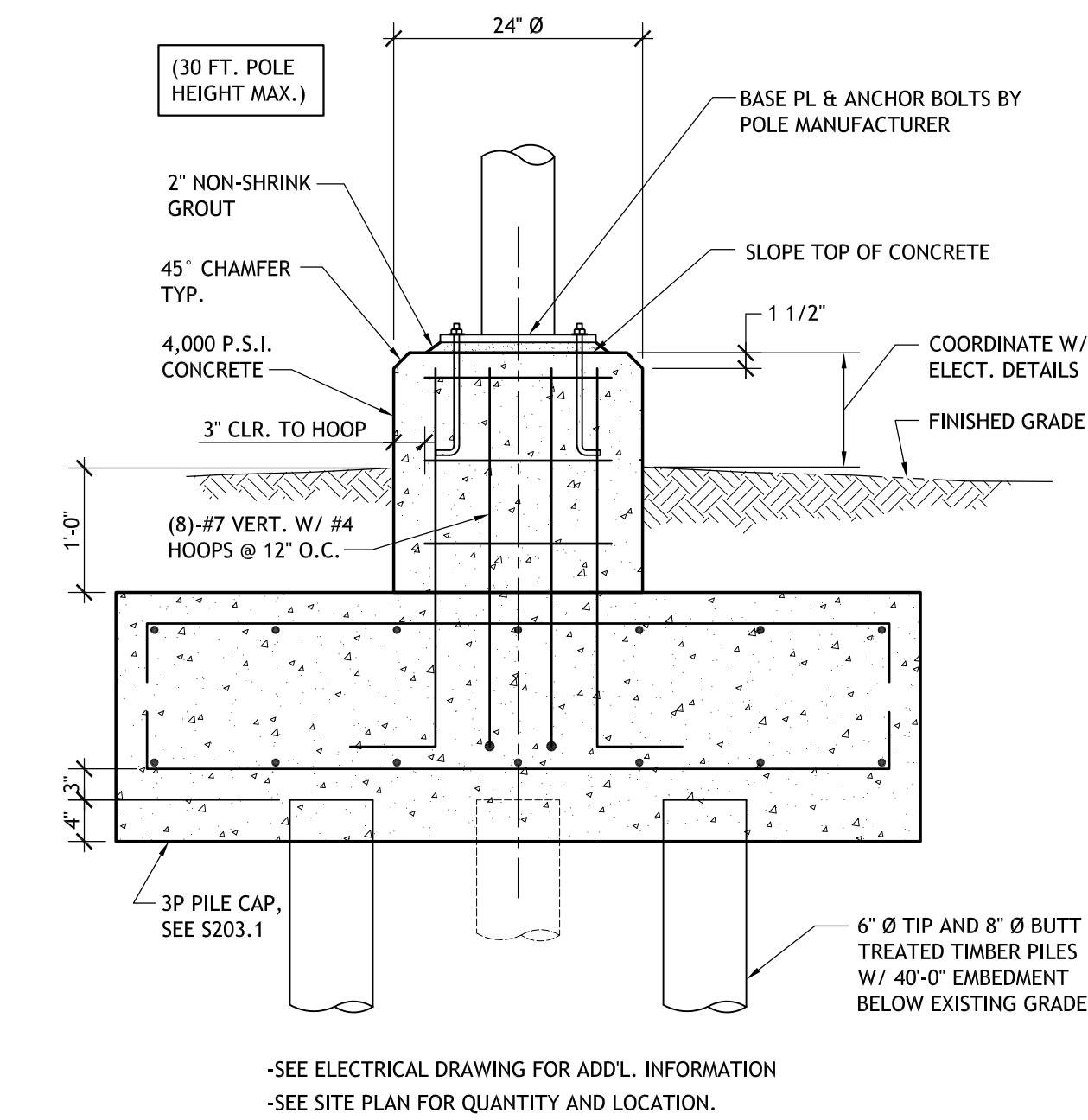
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date	11-27-19	phase	
100% C.D.			



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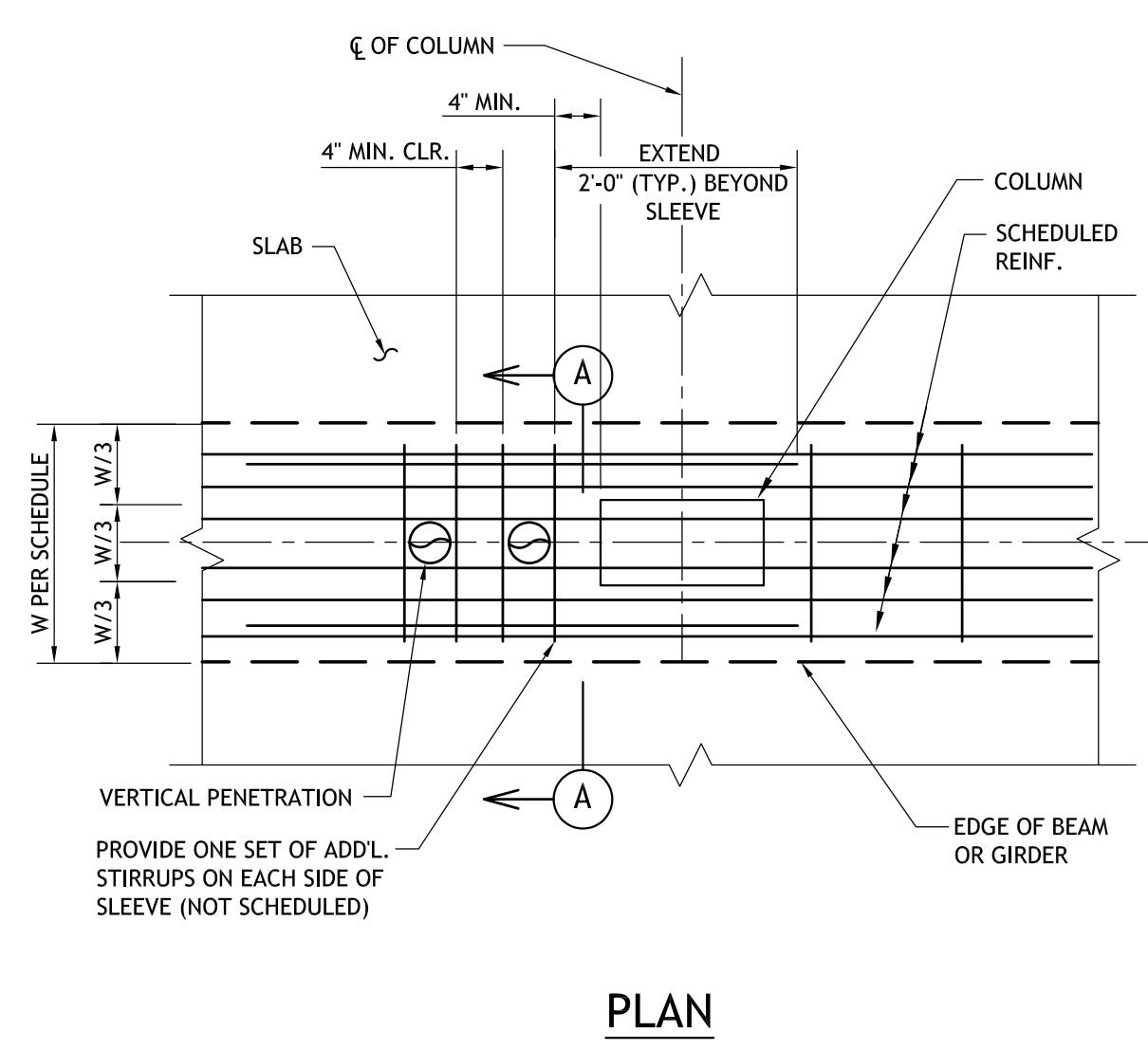
- GENERAL CONTRACTOR TO COORDINATE LOCATION, SIZE AND ELEVATION AND INCLUDE IN HIS CONTRACT PRICE ALL REQUIRED HORIZONTAL PENETRATIONS THROUGH CONCRETE BEAMS AND JOISTS, WHETHER SHOWN ON STRUCTURAL DRAWINGS OR NOT.
- WHERE BEAM PENETRATIONS ARE REQUIRED, BUT ARE NOT SPECIFICALLY DETAILED ON STRUCTURAL DRAWINGS, SUBMIT DRAWINGS SHOWING DIMENSIONS AND LOCATIONS OF ALL REQUIRED PENETRATIONS, FOR REVIEW AND APPROVAL.
- "D" DENOTES THE DEPTH OF BEAM OR JOIST.
- CLEAR SPACING BETWEEN PENETRATIONS, SHALL BE 24" MINIMUM UNLESS DESIGNED OTHERWISE BY THE ENGINEER.
- PENETRATIONS SHALL BE LOCATED ACCORDING TO THE FOLLOWING CRITERIA:
 - FOR BEAMS (AND JOIST) NOT SUPPORTING INTERSECTING BEAMS (OR JOISTS):
 - PENETRATIONS WITHIN TWO FEET EITHER SIDE OF BEAM MIDSPAN.
 - FOR BEAMS (AND JOIST) SUPPORTING INTERSECTING BEAMS (OR JOISTS) CHECK WITH STRUCTURAL ENGINEER.
 - FOR LOCATIONS AND/OR SIZES OF PENETRATIONS NOT CONFORMING TO THE ABOVE CRITERIA AND NOT OTHERWISE DETAILED ON THE STRUCTURAL DRAWINGS, CONTRACTOR SHALL COORDINATE THE REQUIRED ADDITIONAL REINFORCEMENT WITH THE ENGINEER ON THE SHOP DRAWINGS.

1 TYPICAL GRADE BEAM DETAIL W/ HORIZONTAL PENETRATIONS (U.O.N.)
S204 SCALE: 3/4" = 1'-0"

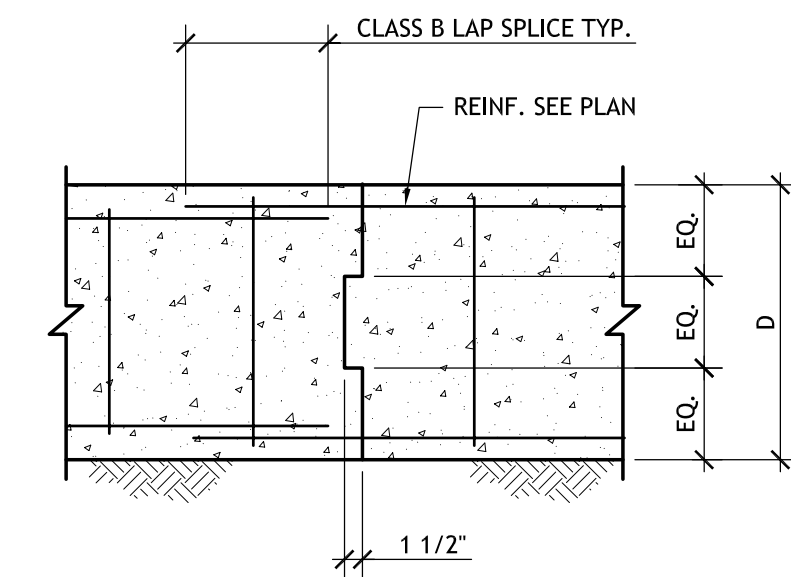


-SEE ELECTRICAL DRAWING FOR ADDL. INFORMATION
-SEE SITE PLAN FOR QUANTITY AND LOCATION.

7 TYPICAL LIGHTPOLE FOUNDATION
S204 SCALE: 3/4" = 1'-0"

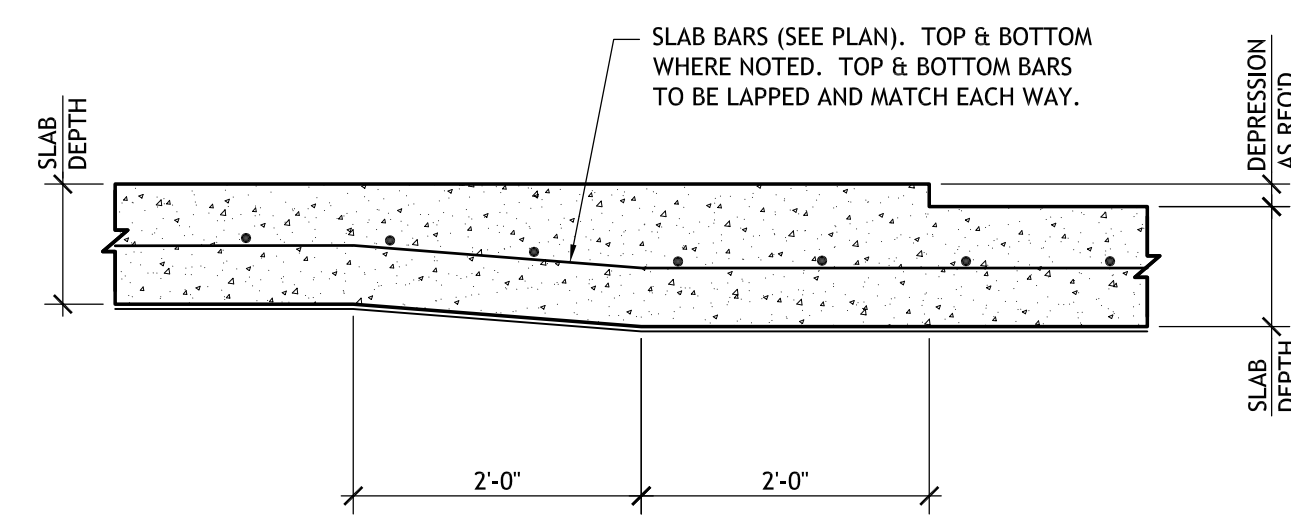


2 TYPICAL GRADE BEAM DETAIL W/ VERTICAL PENETRATIONS (U.O.N.)
S204 SCALE: 3/4" = 1'-0"



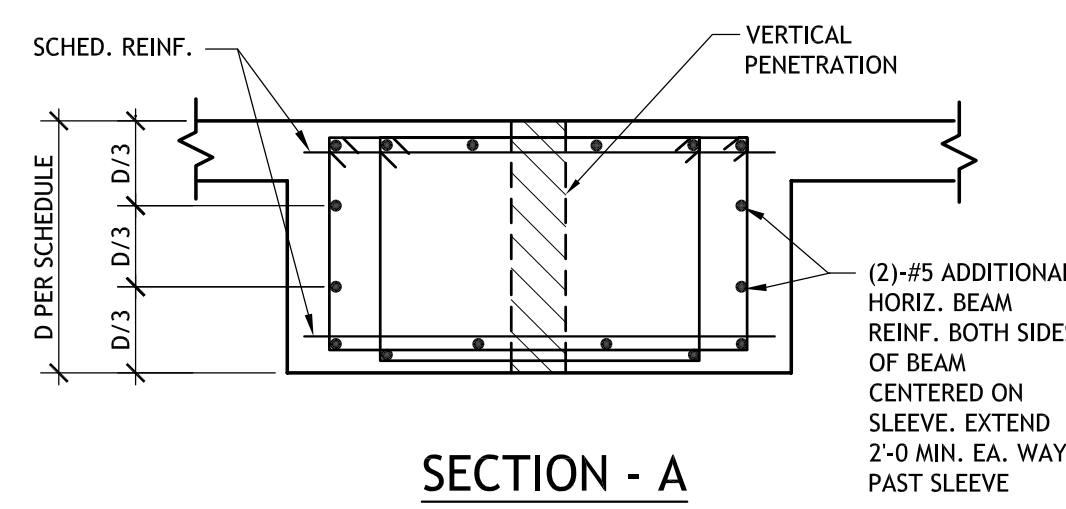
NOTE: LOCATE CONSTRUCTION JOINT IN CTR. SPAN OR OVER PILE CAP. RUN REINFORCING THROUGH JOINT.

4 TYPICAL CONSTRUCTION JOINT FOR GRADE BEAMS (U.O.N.)
S204 N.T.S.



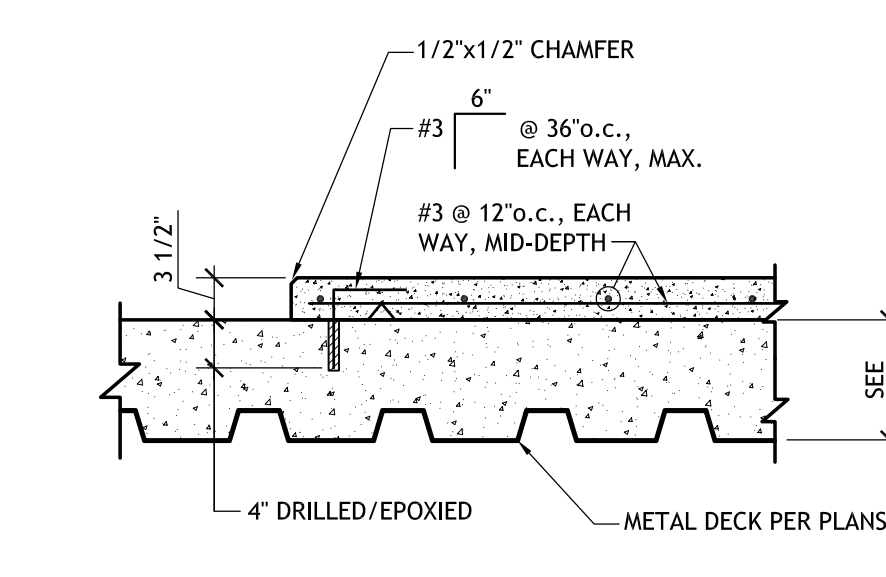
* ADJUST GB AND GB REINF. OVER 4'-0" LENGTH AT DEPRESSIONS. SCHEDULED OVERALL GB DEPTH TO BE MAINTAINED. (U.O.N.)

5 TYPICAL SLAB AT DEPRESSION (UON)
S204 N.T.S.



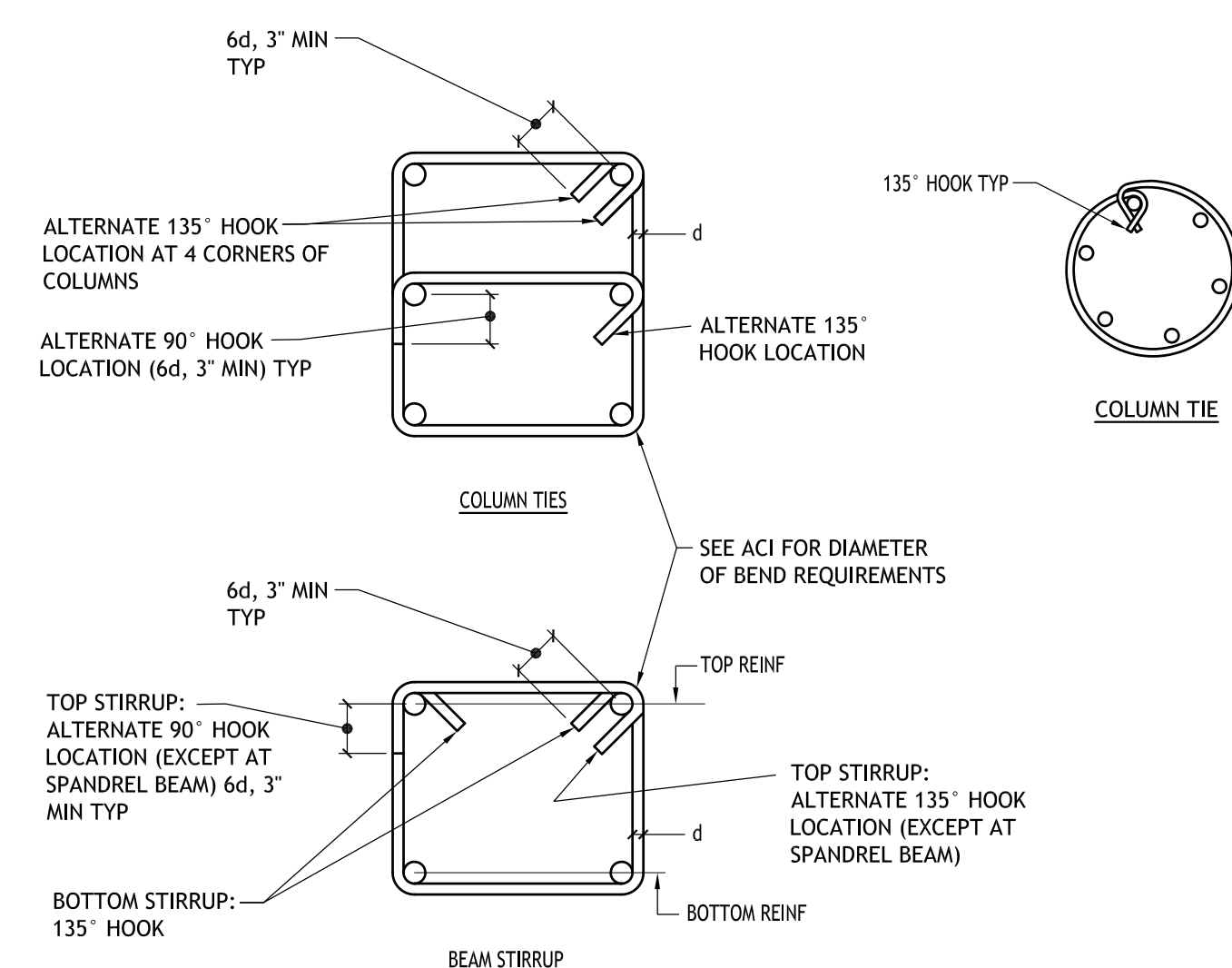
3 TYP OPENING IN CONCRETE SLAB FIRST FLOOR (U.O.N.)
S204 SCALE: 3/4" = 1'-0"

- NOTES:**
- REQUIRED BEAM SLEEVES ARE TO BE COORDINATED WITH M.E.P. CONTRACTORS. REQUIRED SLEEVES MAY OR MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS. GENERAL CONTRACTOR SHALL SUBMIT PLAN SHOWING LAYOUT OF ALL SLEEVES W/ FORM WORK SHOP DWG. SUBMITTAL.
 - SLEEVES SHALL BE LOCATED ON THE BEAM CENTERLINE OR AT LEAST WITHIN THE MIDDLE THIRD OF THE SCHEDULED BEAM WIDTH.
 - CONTINUOUS BEAM REINFORCING MAY BE SLIGHTLY DISPLACED (3" MAX.) OR ADJACENT BARS BUNDLED (2 BARS BUNDLES MAX.) TO FACILITATE SLEEVE INSTALLATION, DO NOT CUT, OFFSET, OR BEND REINFORCING.
 - SLEEVES OCCURRING ON OPPOSITE SIDES OF A COLUMN MUST BE IN LINE.
 - THE OUTSIDE DIAMETER OF A SLEEVE MAY NOT EXCEED 15% OF THE SCHEDULE WIDTH OF THE BEAM THROUGH WHICH IT MUST PASS.
 - THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD FOR DIRECTIONS WHEN A SLEEVE SIZE OR LOCATION DOES NOT MEET THE CONDITIONS ESTABLISHED ABOVE.



COORDINATE SIZE, QUANTITY, AND LOCATION WITH MEP DOCUMENTS.

6 HOUSEKEEPING PAD
S204 N.T.S.



8 TYPICAL COLUMN TIE & BEAM STIRRUP DETAIL
S204 SCALE: 3/4" = 1'-0"

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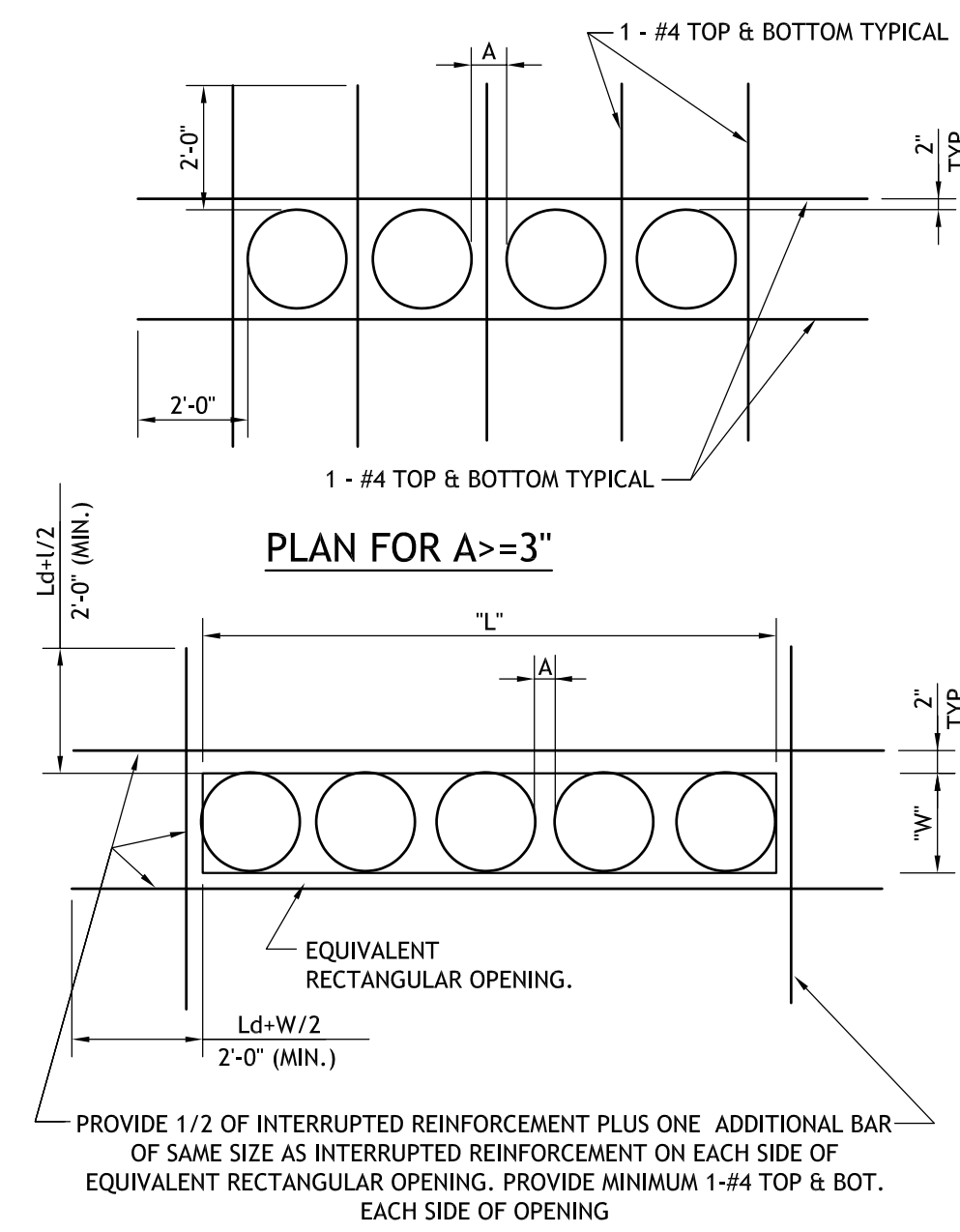
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TYPICAL FOUNDATION DETAILS

	project number	21161.00	drawing number	S204
	date	11-27-19		
	phase	100% C.D.		

NOTES:

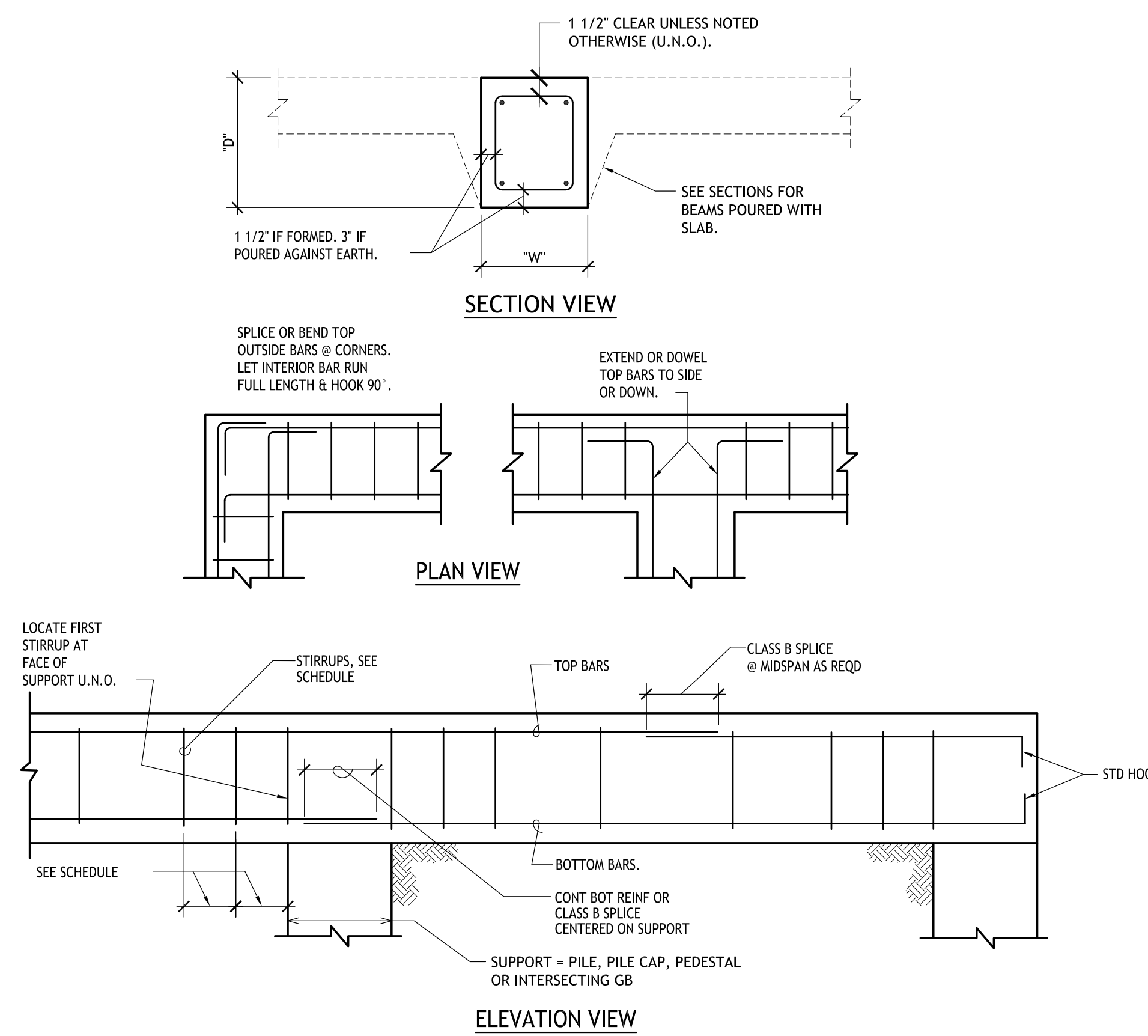
- WHERE CLEAR SPACING BETWEEN ADJACENT SLEEVES IS LESS THAN 3", THE SLEEVE GROUP SHALL BE TREATED AS AN EQUIVALENT RECTANGULAR OPENING WITH LENGTH "L" AND WIDTH "W" AS SHOWN ABOVE.
- WHERE CLEAR SPACING BETWEEN ADJACENT SLEEVES IS GREATER THAN OR EQUAL TO 3", SCHEDULE SLAB BAR REINFORCEMENT SHALL BE OFFSET AS REQUIRED TO MISS SLEEVES.
- REINFORCEMENT SHOWN IS ADDITIONAL TO SCHEDULED SLAB REINFORCEMENT.
- SCHEDULED SLAB MESH REINFORCEMENT, MAY BE CUT AS REQD. TO MISS PIPE SLEEVES.
- REFER TO MECHANICAL DRAWINGS FOR LOCATION AND SIZE OF SLEEVES.
- ISOLATED PIPE SLEEVES THAT ARE SMALLER THAN 5" AND DO NOT INTERRUPT REINFORCING, DO NOT REQUIRE THE USE OF THIS DETAIL.
- THIS DETAIL SHOULD NOT BE USED FOR OPENING GROUPS W/ DIAMETERS LARGER THAN 12". CONSULT ENGINEER FOR FRAMING OF SUCH CONDITIONS.



1 TYPICAL DETAIL AT ADDITIONAL REINF. AROUND VERTICAL PIPE SLEEVE (U.O.N.)
S205 N.T.S.

BAR SIZE	TENSION LAP SPlice LENGTH CHART CLASS B					
	F _c =3000psi		F _c =4000psi		F _c =5000psi	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	42	32	36	28	33	25
#4	56	43	48	37	43	33
#5	70	54	60	47	54	42
#6	84	64	72	56	65	50
#7	122	94	106	81	94	73
#8	139	107	121	93	108	83
#9	157	121	136	105	122	94
#10	177	136	153	118	137	105
#11	196	151	170	131	152	117

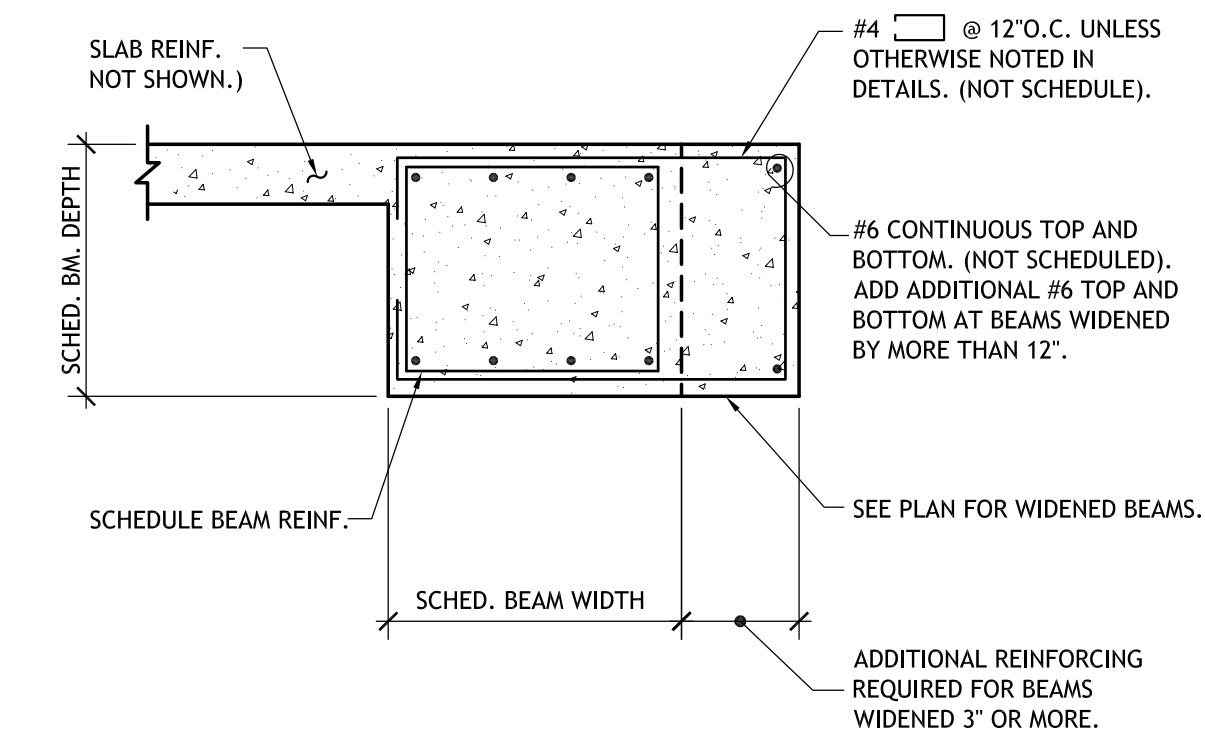
2 TENSION LAP SPlice CHART (CLASS B)
S205 N.T.S.



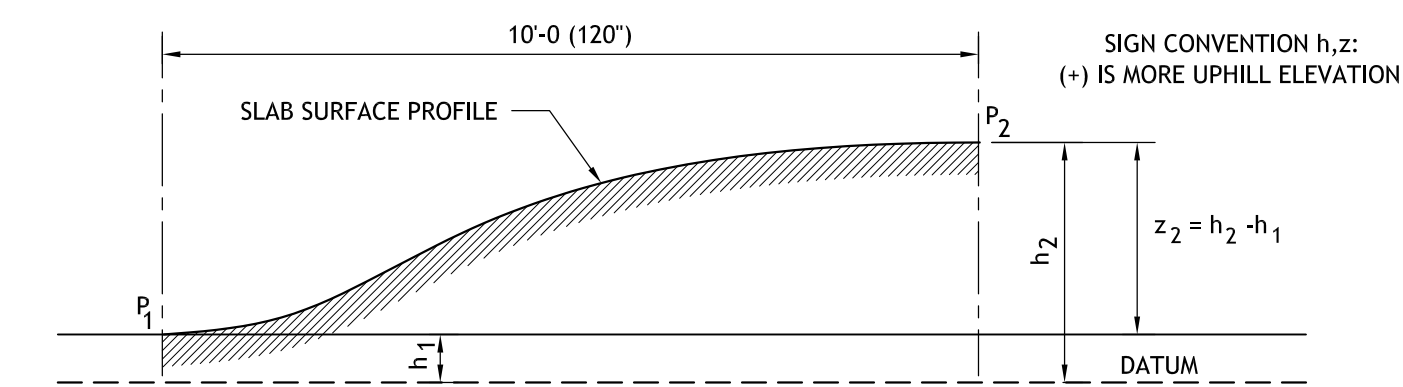
4 TYPICAL GRADE BEAM DETAIL (U.O.N.)
S205 N.T.S.

NOTES:

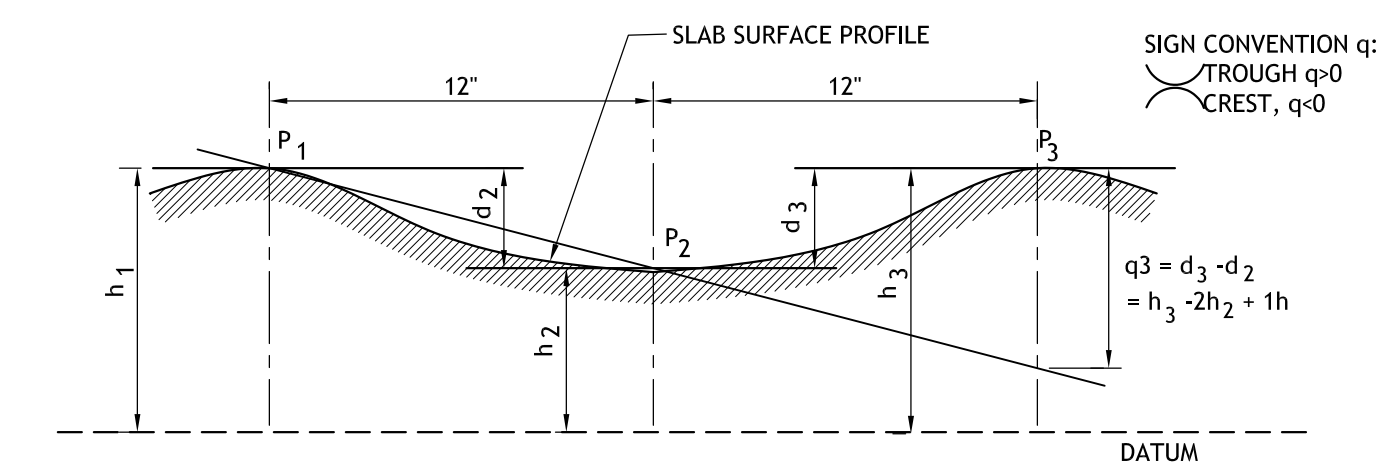
- TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND NORMAL WEIGHT CONCRETE.
- TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPlice LENGTHS ARE BASED ON ACI 318. TABULATED VALUES FOR BEAMS OR COLUMNS ARE BASED ON TRANSVERSE REINFORCEMENT AND CONCRETE OVER MEETING MINIMUM CODE REQUIREMENTS. LENGTHS ARE IN INCHES.
- TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
- FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.3.
- FOR EPOXY-COATED BARS, MULTIPLY THE TABULATED VALUES BY ONE OF THE FOLLOWING FACTORS:
CONCRETE COVER AND SPACING TOP BARS OTHER BARS
COVER-3d_s OR C.-C. SPACING-7d_s 1.7 1.50
COVER-3d_s AND C.-C. SPACING-7d_s 1.6 1.20



3 TYPICAL DETAIL AT WIDENED CONCRETE GRADE BEAM (U.O.N.)
S205 N.T.S.



MEASURE OF FLOOR LEVELNESS



MEASURE OF FLOOR FLATNESS

NOTES:

- F_L = LEVELNESS F - NUMBER
F_L = 12.5 WHERE z = MEAN VALUE OF ALL z FLOOR READINGS (3 x S_z) + z
S_z = STANDARD DEVIATION OF ALL z FLOOR READINGS
- F_F = FLATNESS F - NUMBER
F_F = 4.57 WHERE q = MEAN VALUE OF ALL q FLOOR READINGS (3 x S_q) + q
S_q = STANDARD DEVIATION OF ALL q FLOOR READINGS
- F_F AND F_L SHALL BE STATISTICALLY DETERMINED ACCORDING TO ASTM E 1155
* STANDARD TEST METHOD FOR DETERMINING FLOOR FLATNESS AND LEVELNESS USING THE F NUMBER SYSTEM
- REFER TO CONCRETE SPECIFICATIONS 03300 FOR REQD. F_F AND F_L VALUES.

5 TYPICAL FLOOR FLATNESS & LEVELNESS
S205 N.T.S.

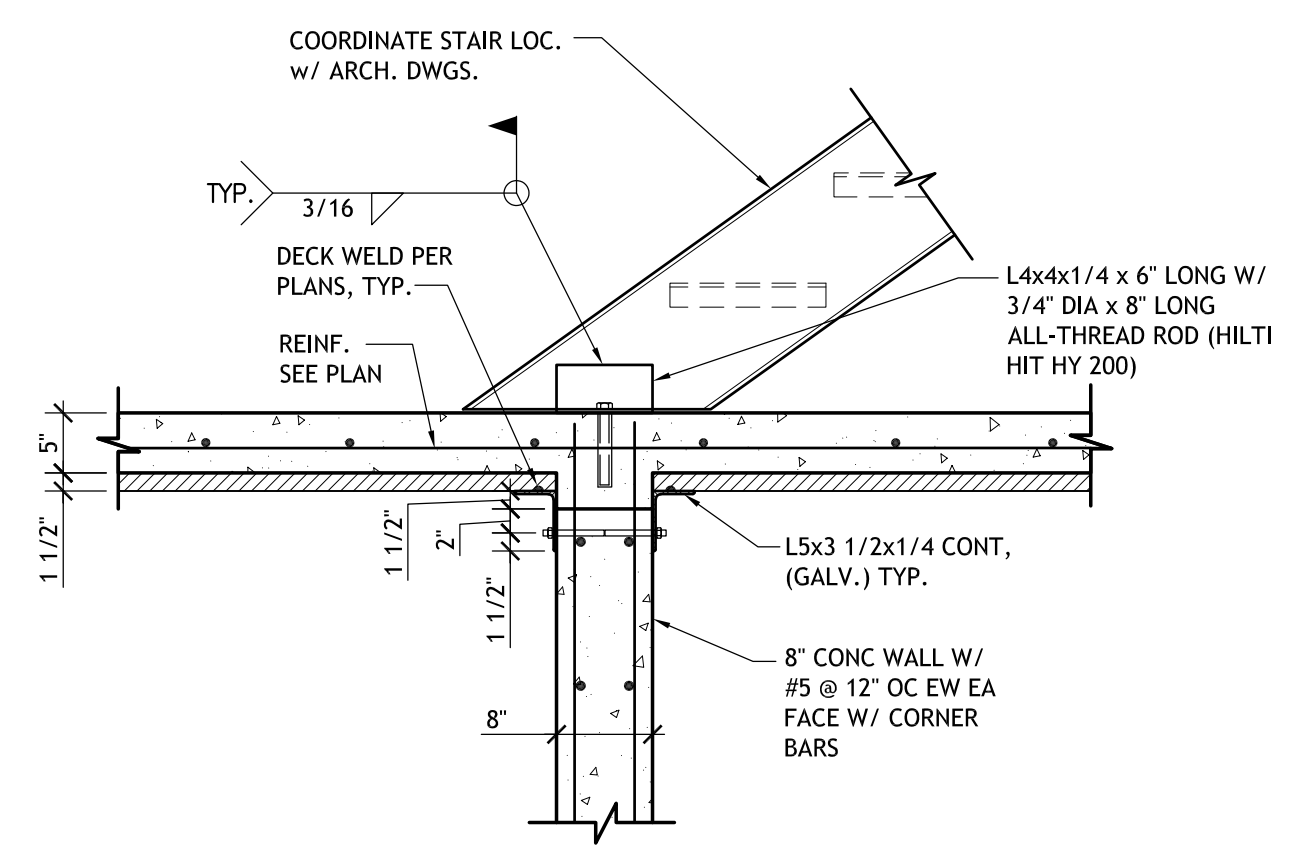
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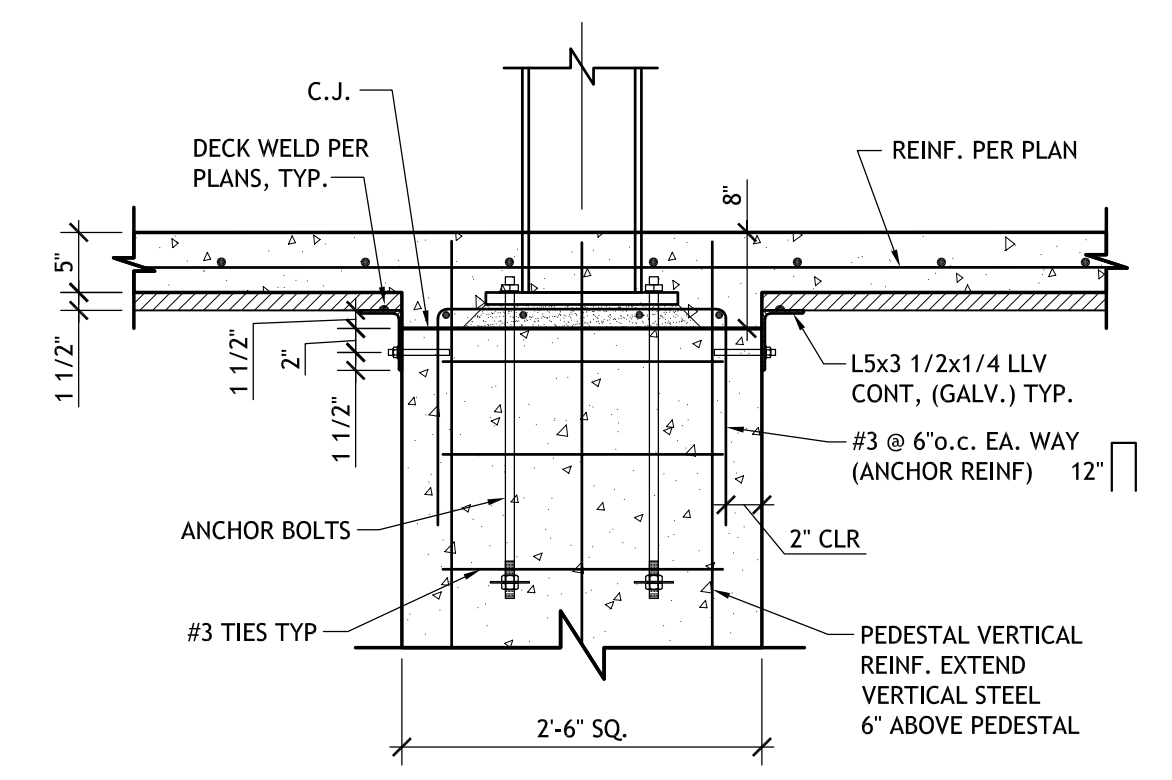
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TYPICAL FOUNDATION DETAILS

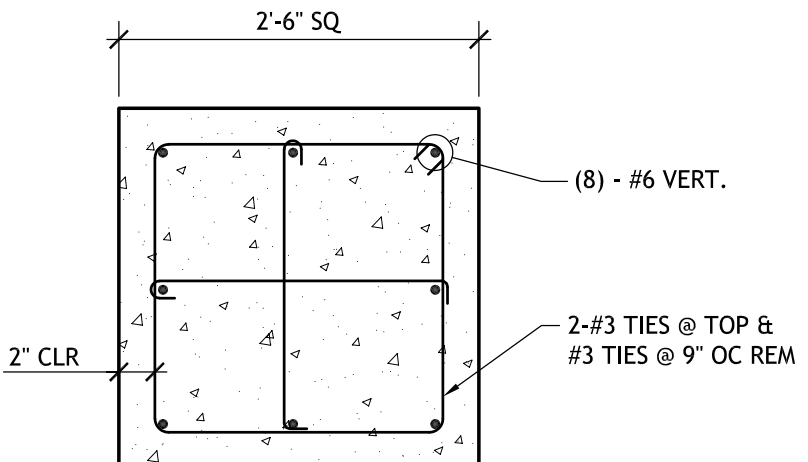
	project number	21161.00	drawing number	S205
	date	11-27-19		
	phase	100% C.D.		



1 NOT USED
S206 N.T.S.

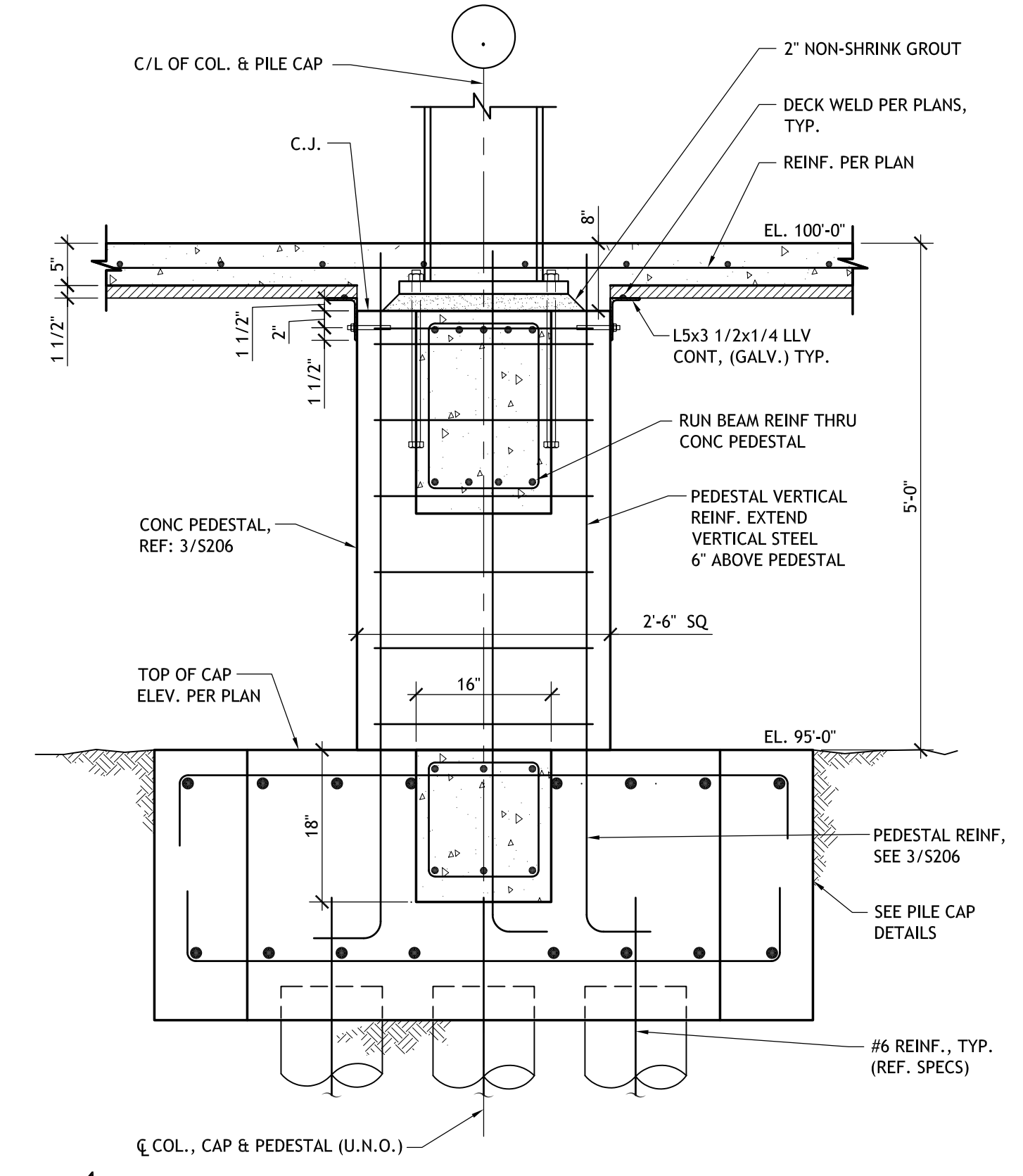


PEDESTAL ELEVATION VIEW

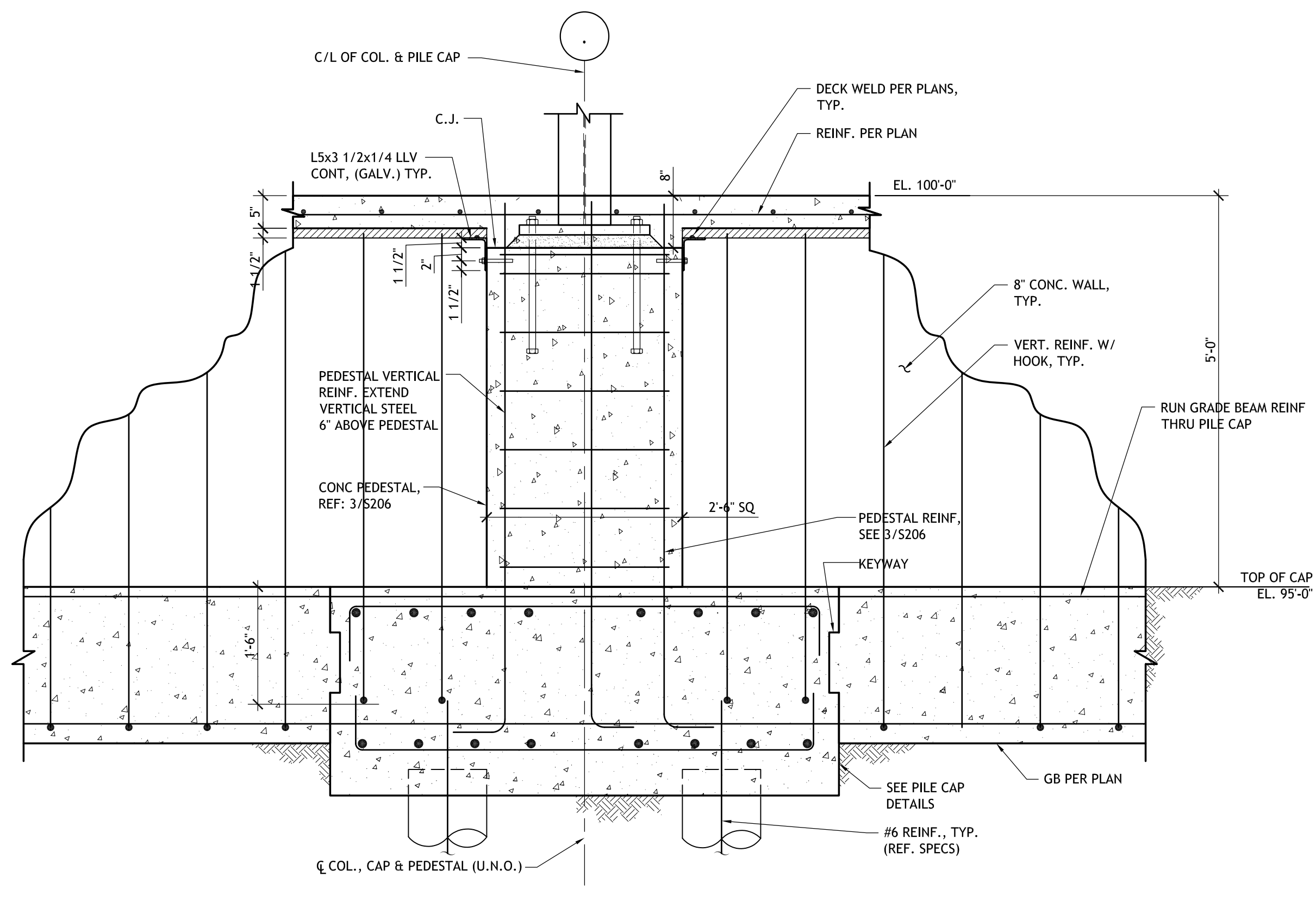


PEDESTAL PLAN VIEW

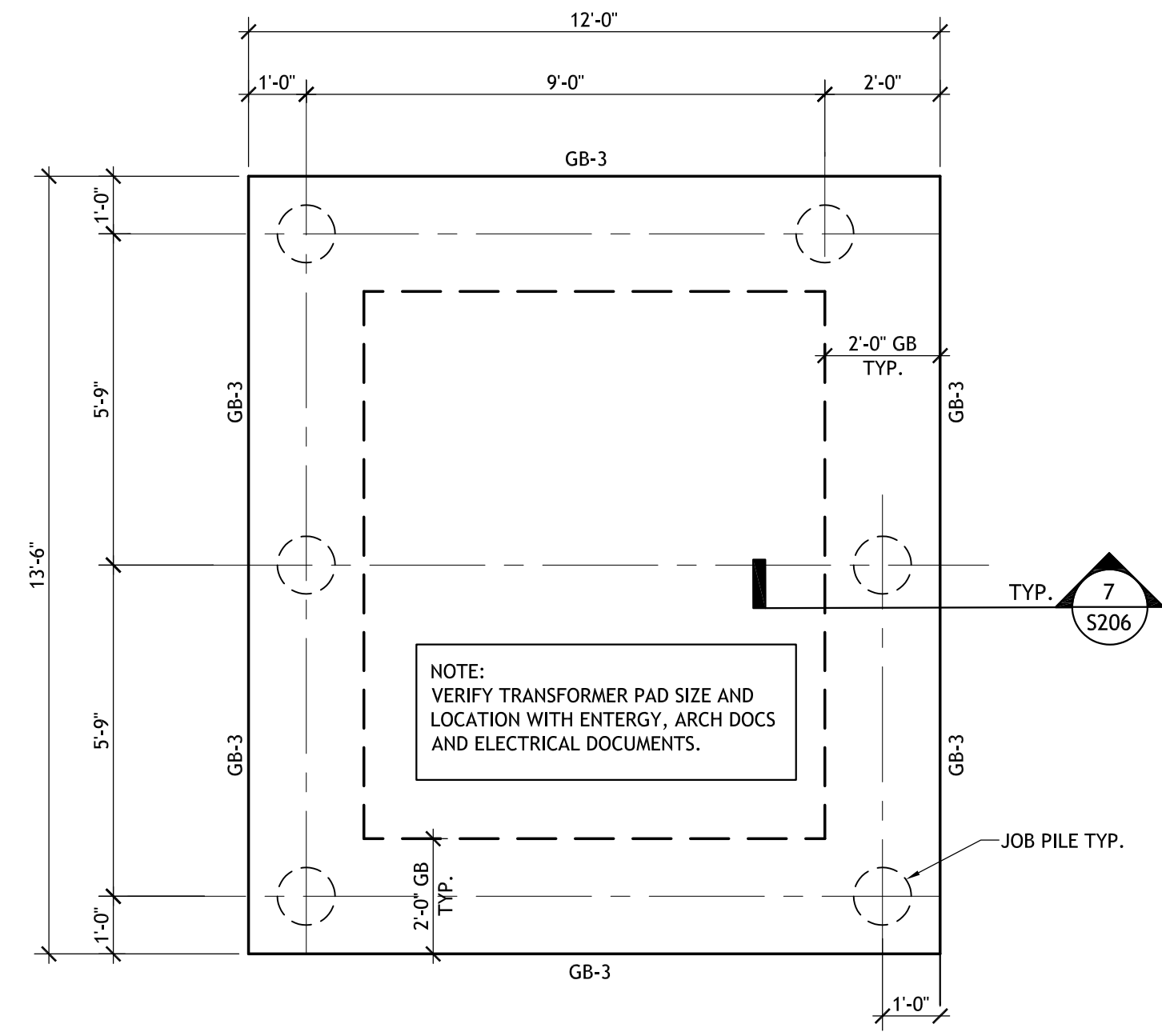
2 TYPICAL CONCRETE PEDESTAL
S206 N.T.S.



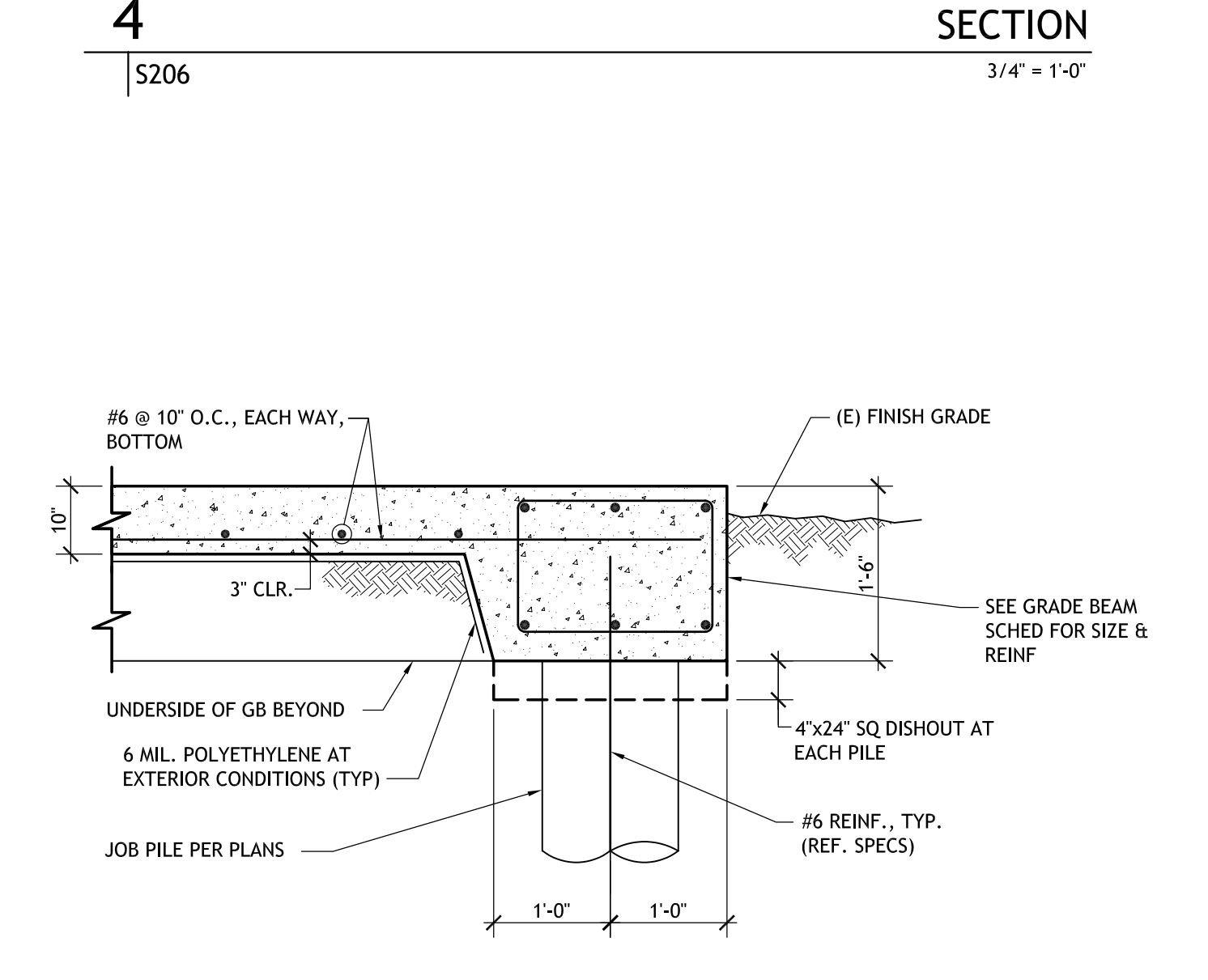
SECTION
S206 3/4" = 1'-0"



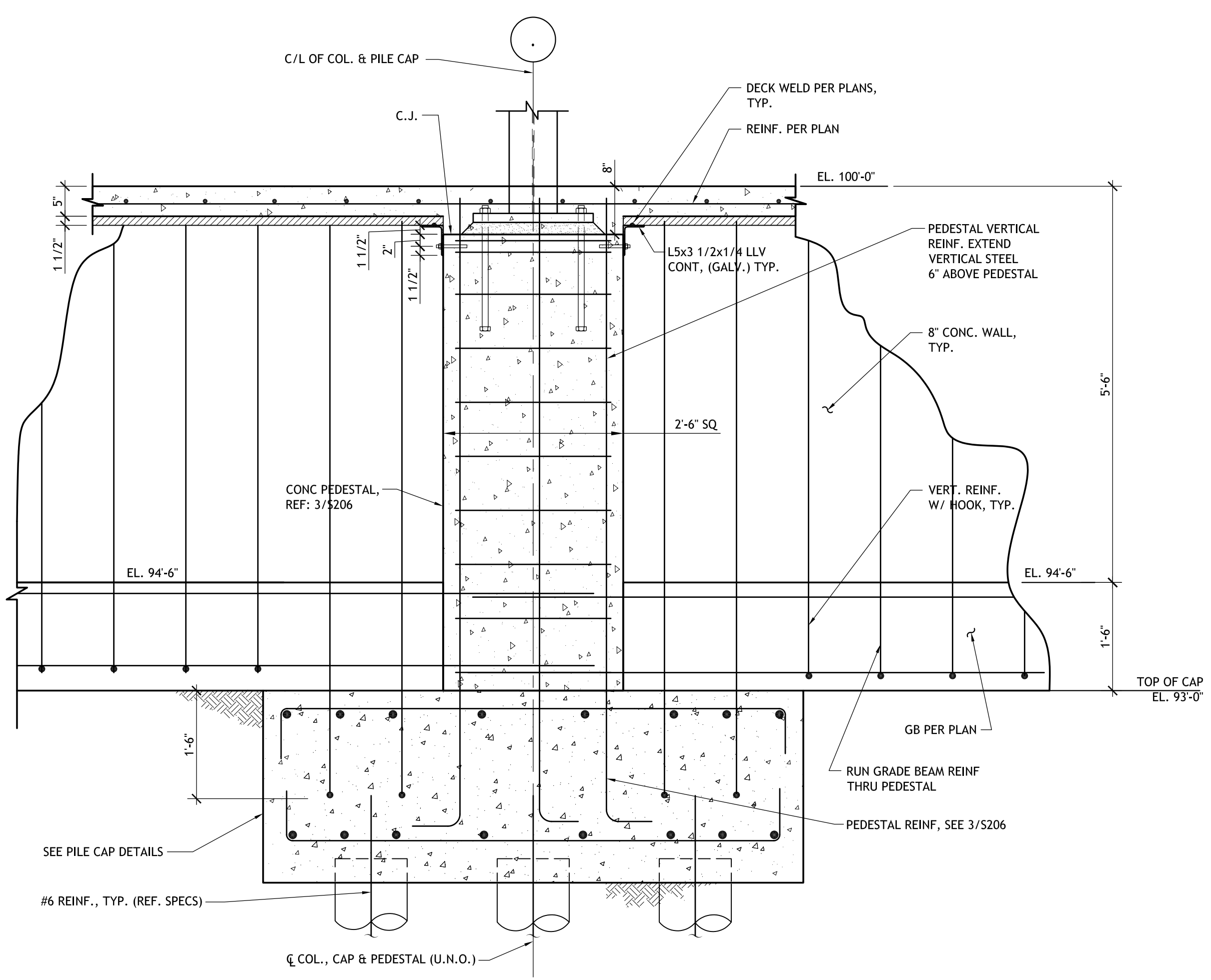
5 SECTION AT INTERIOR COLUMN
S206 3/4" = 1'-0"



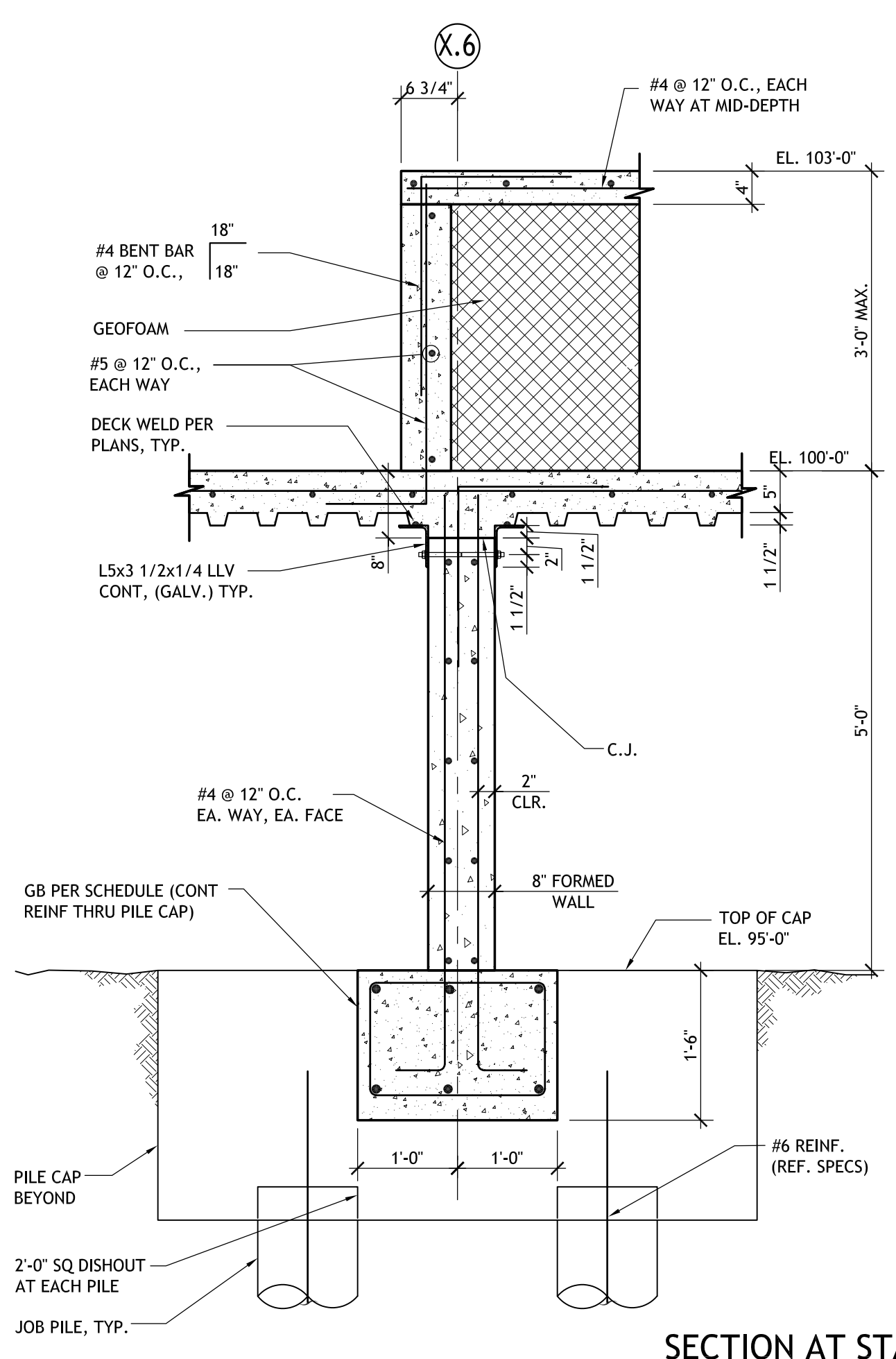
6 TRANSFORMER PAD FOUNDATION PLAN
S206 SCALE: 3/8" = 1'-0"



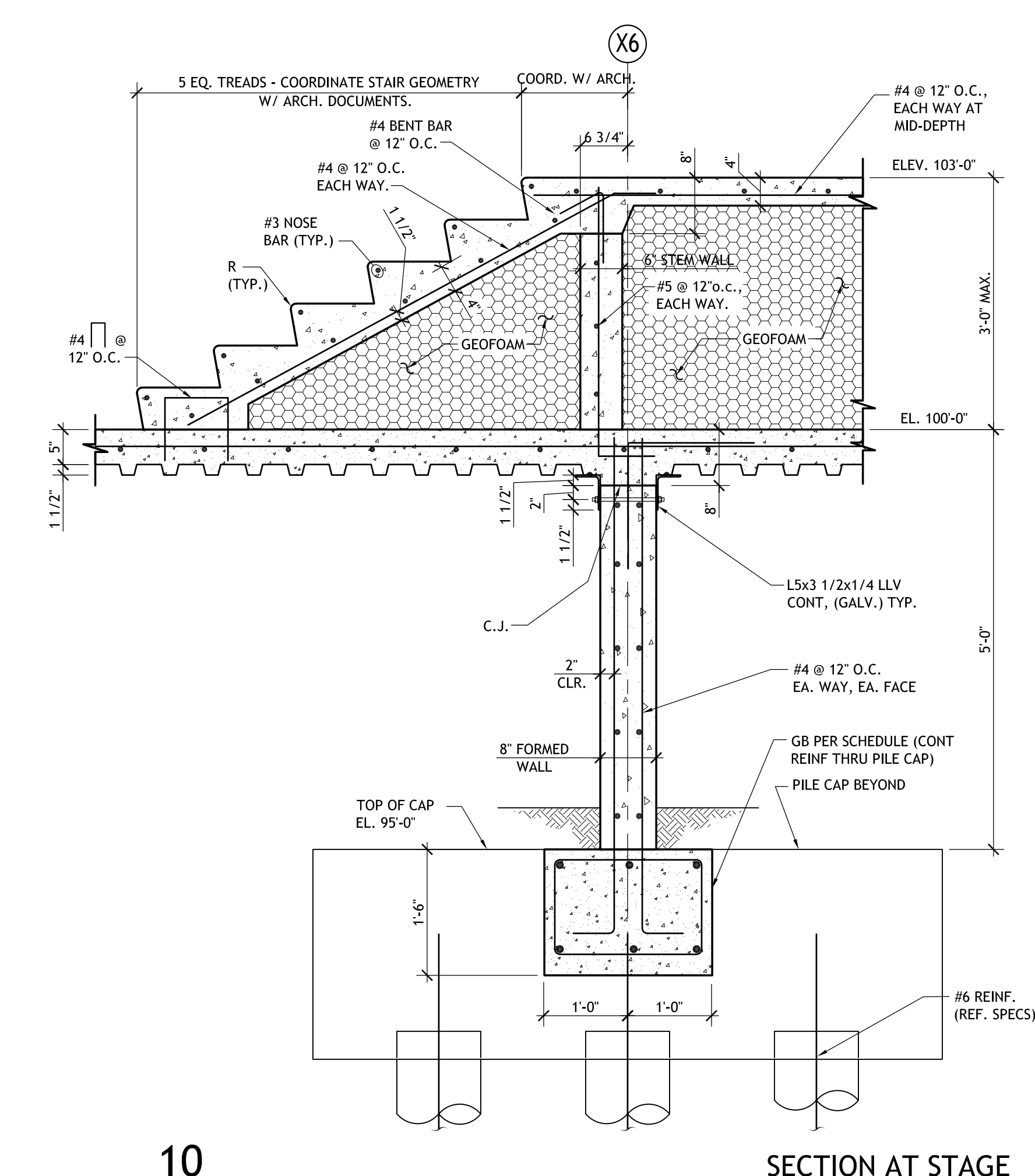
7 SECTION AT TRANSFORMER PAD
S206 N.T.S.



8 SECTION AT EXTERIOR COLUMN
S206 3/4" = 1'-0"



9 SECTION AT STAGE
S206 3/4" = 1'-0"



10 SECTION AT STAGE
S206 3/4" = 1'-0"

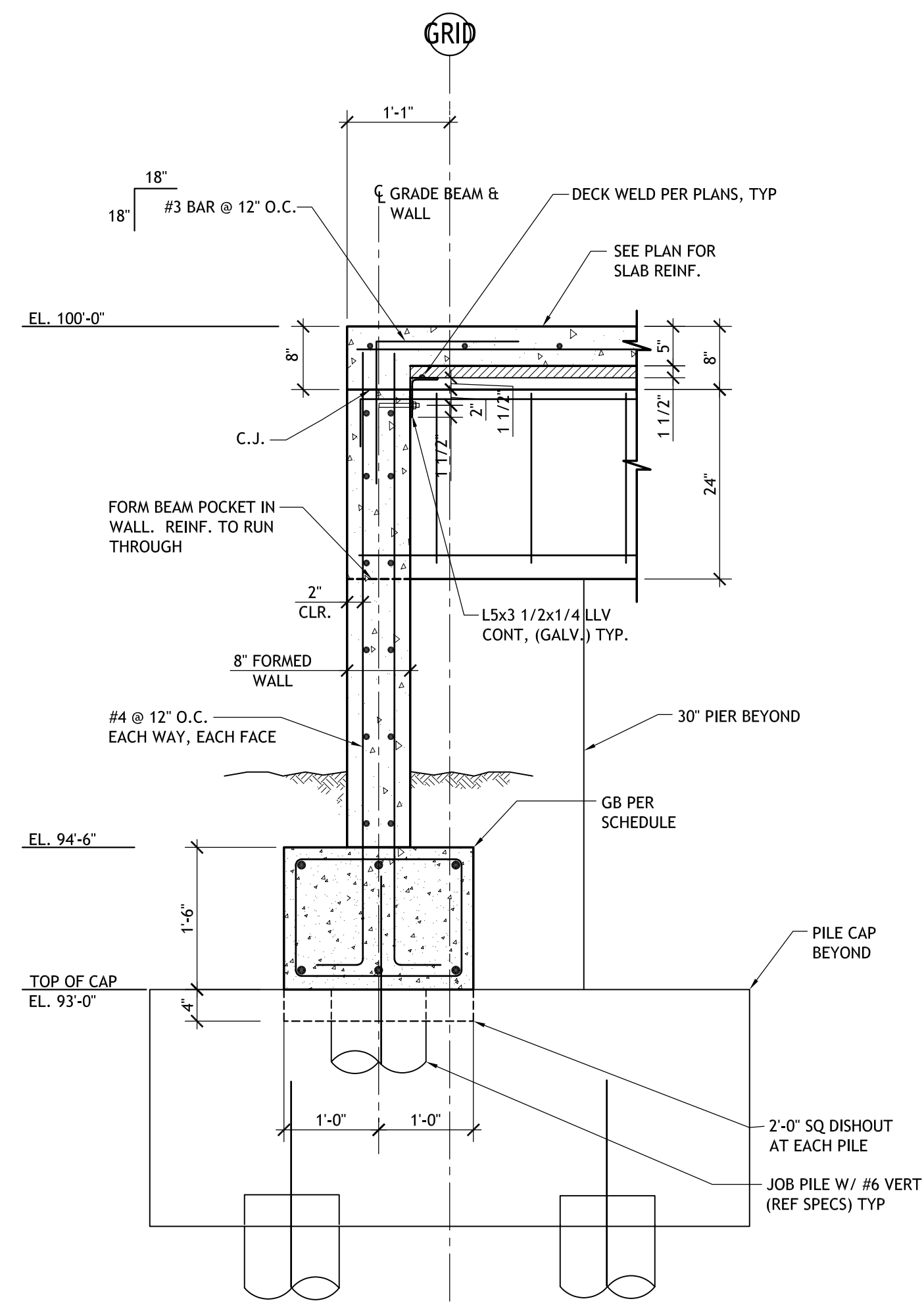
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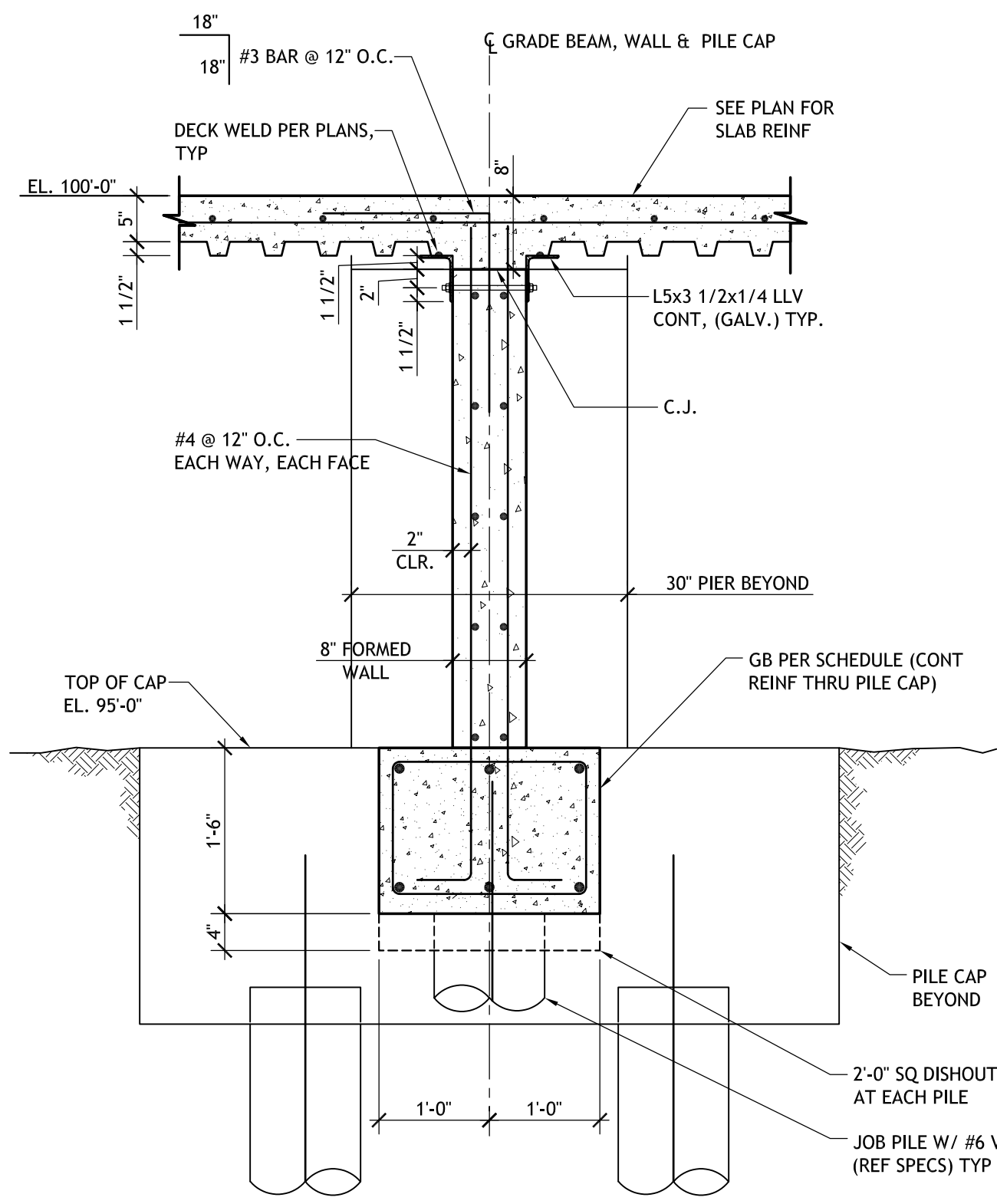
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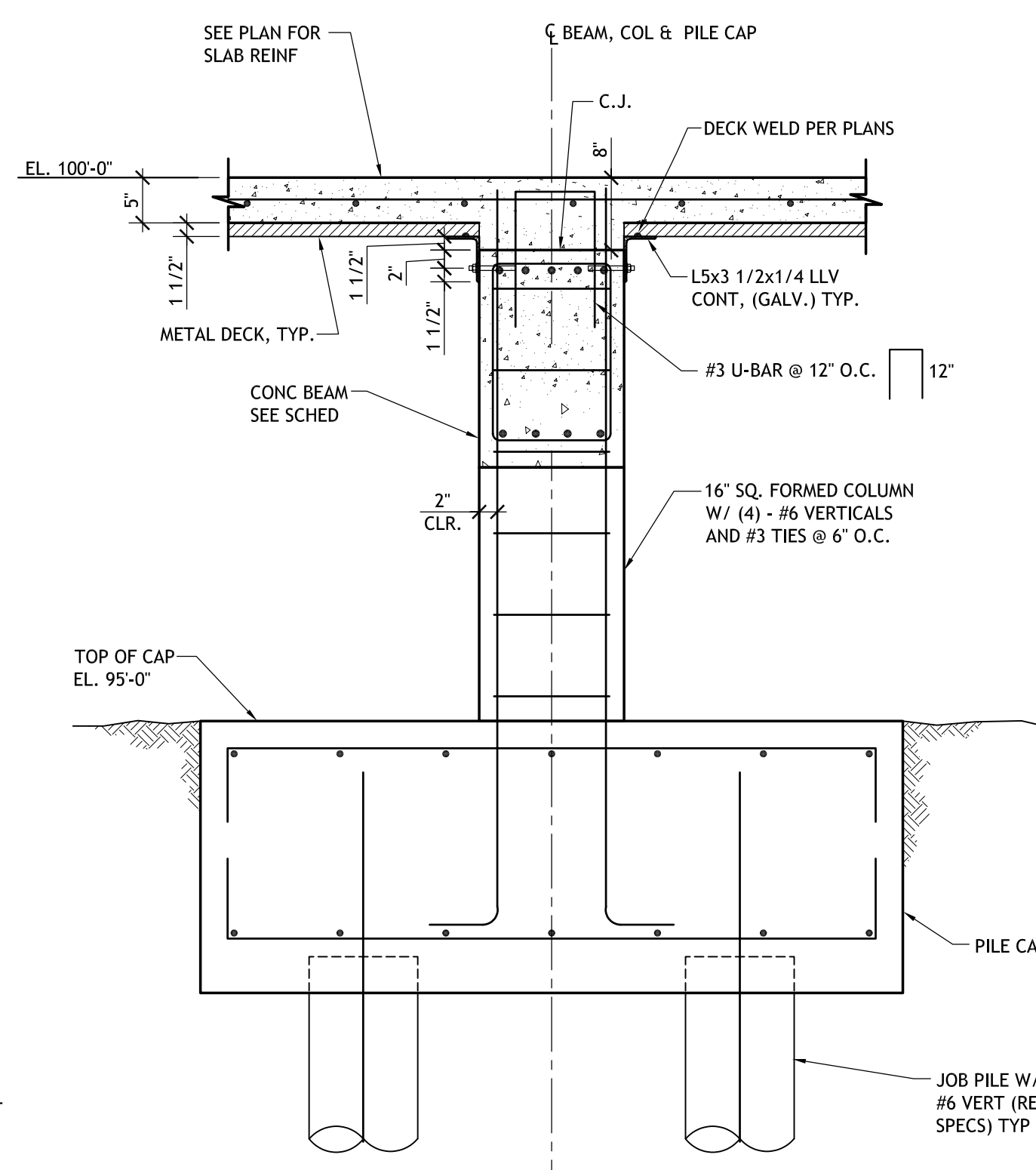
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date	11-27-19	phase	
	100% C.D.		



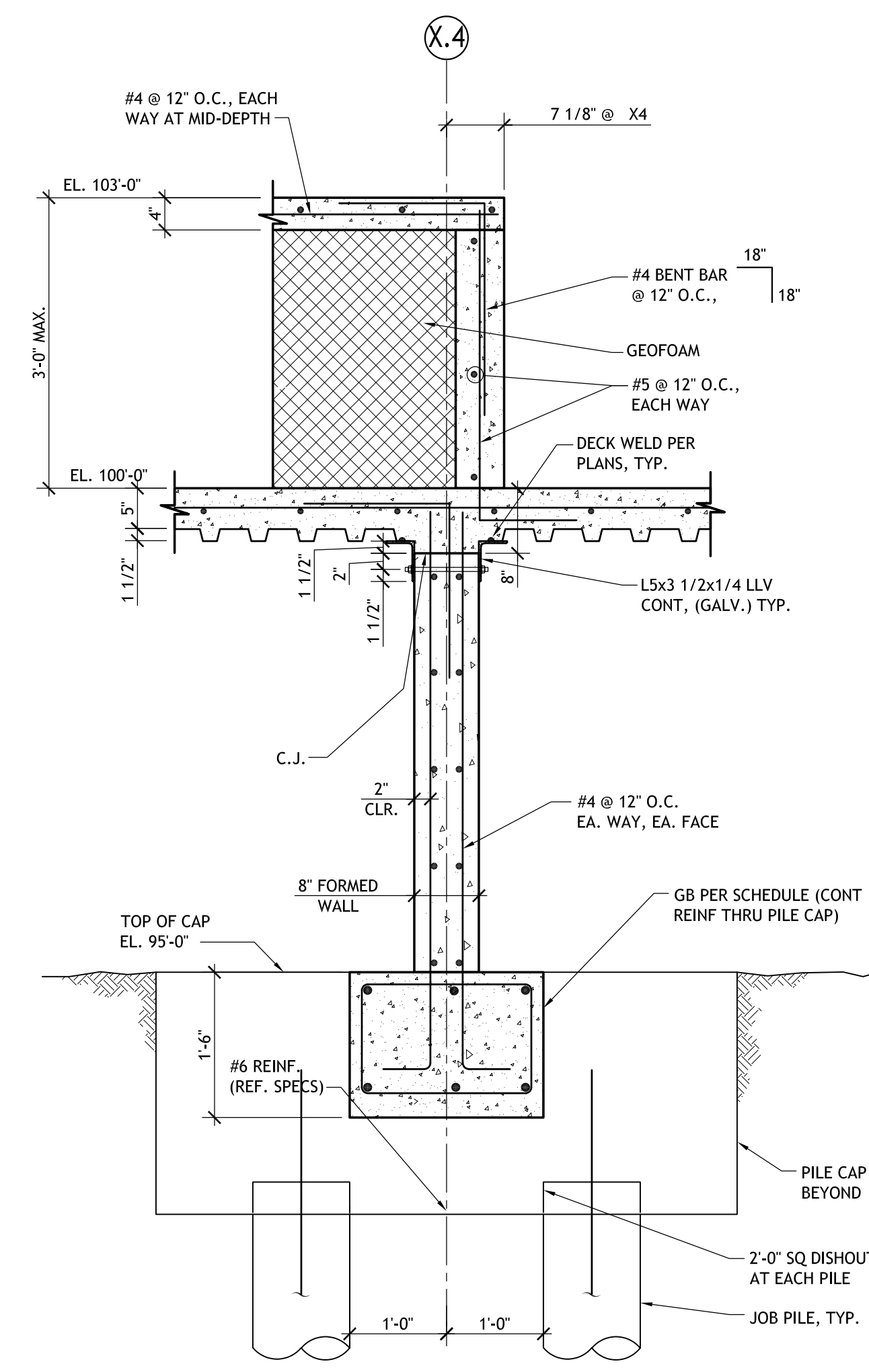
1 PERIMETER SECTION
SCALE: 3/4" = 1'-0"



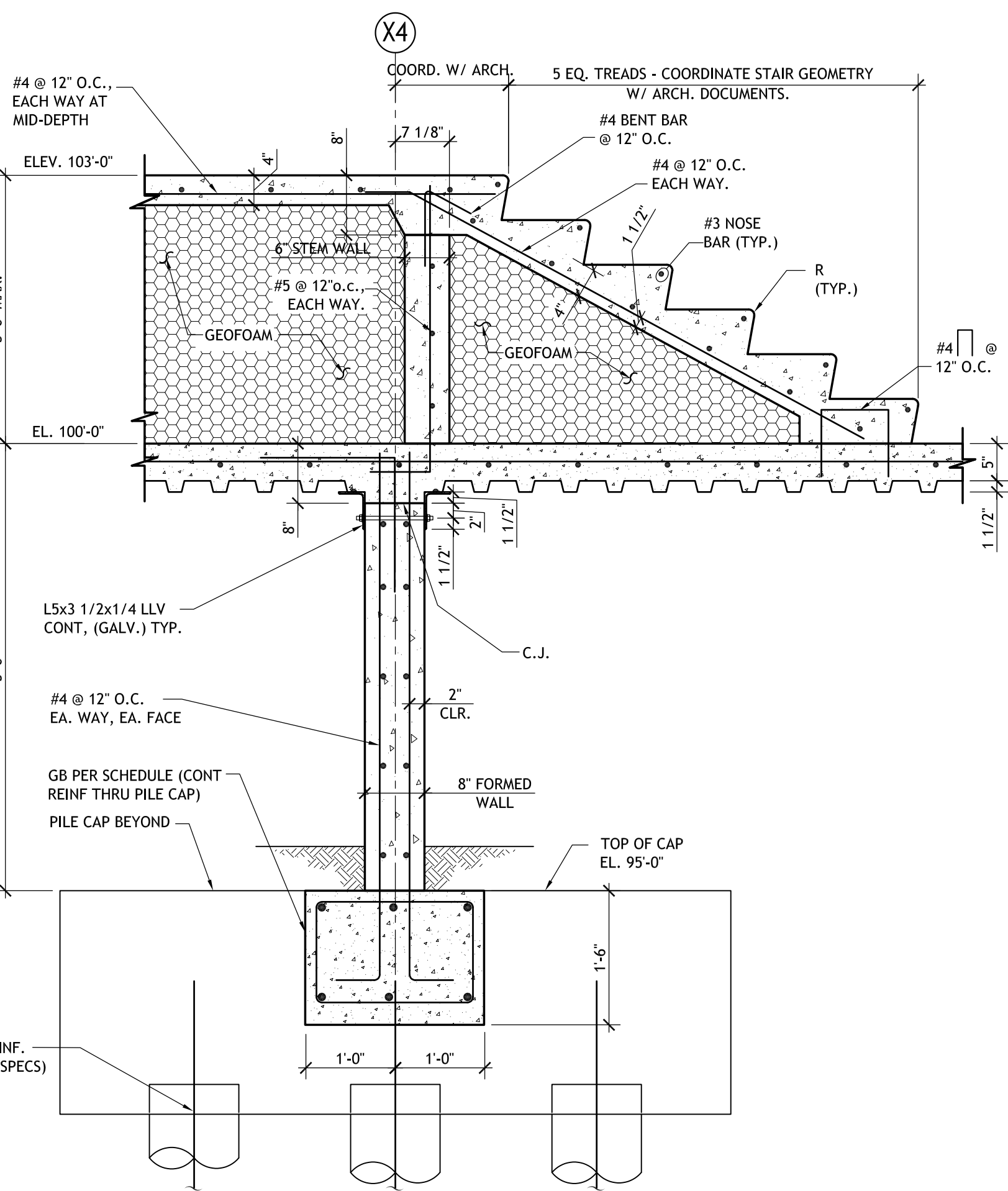
2 INTERIOR SECTION
SCALE: 3/4" = 1'-0"



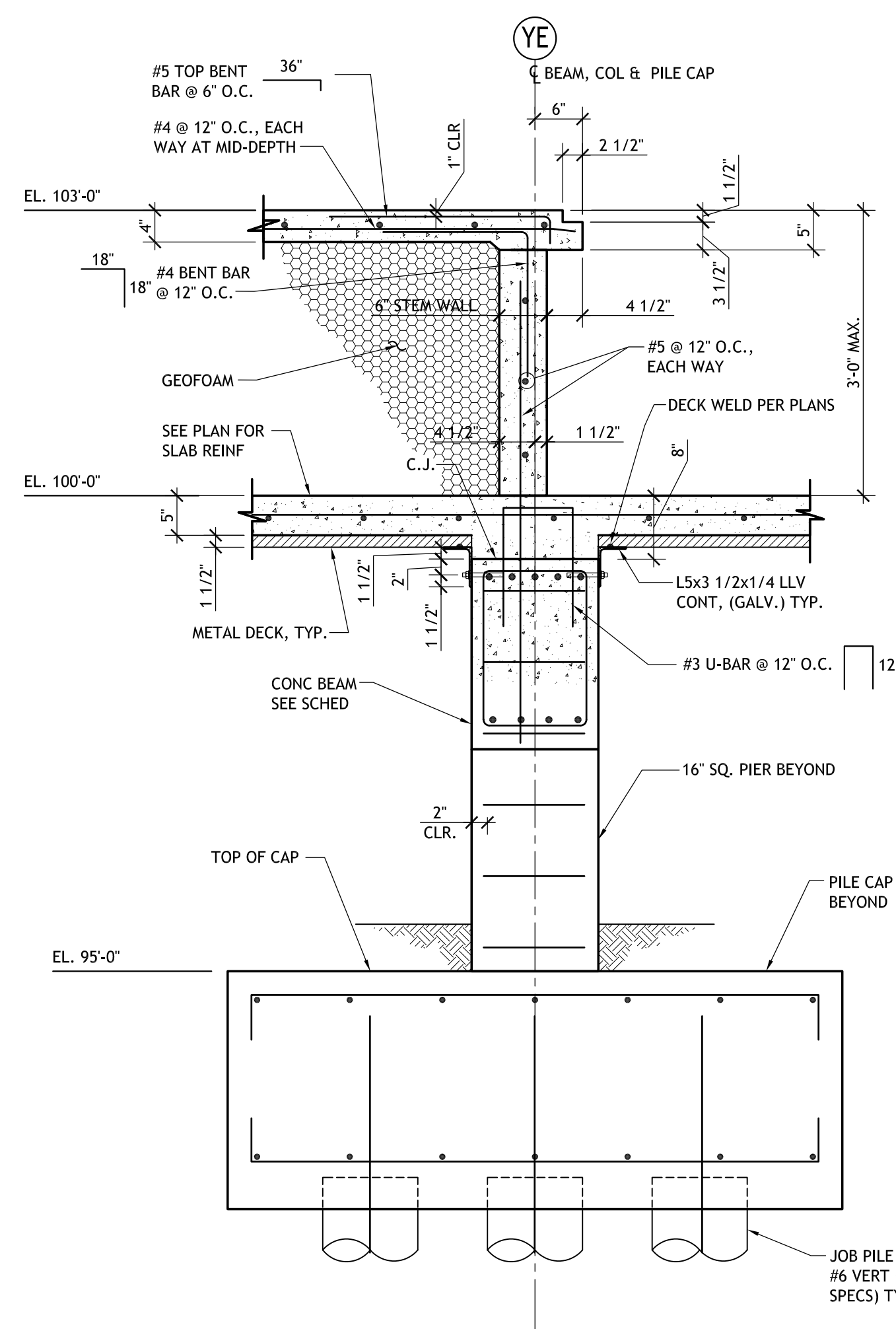
3 TYPICAL CONCRETE BEAM @ 1ST FLOOR
SCALE: 3/4" = 1'-0"



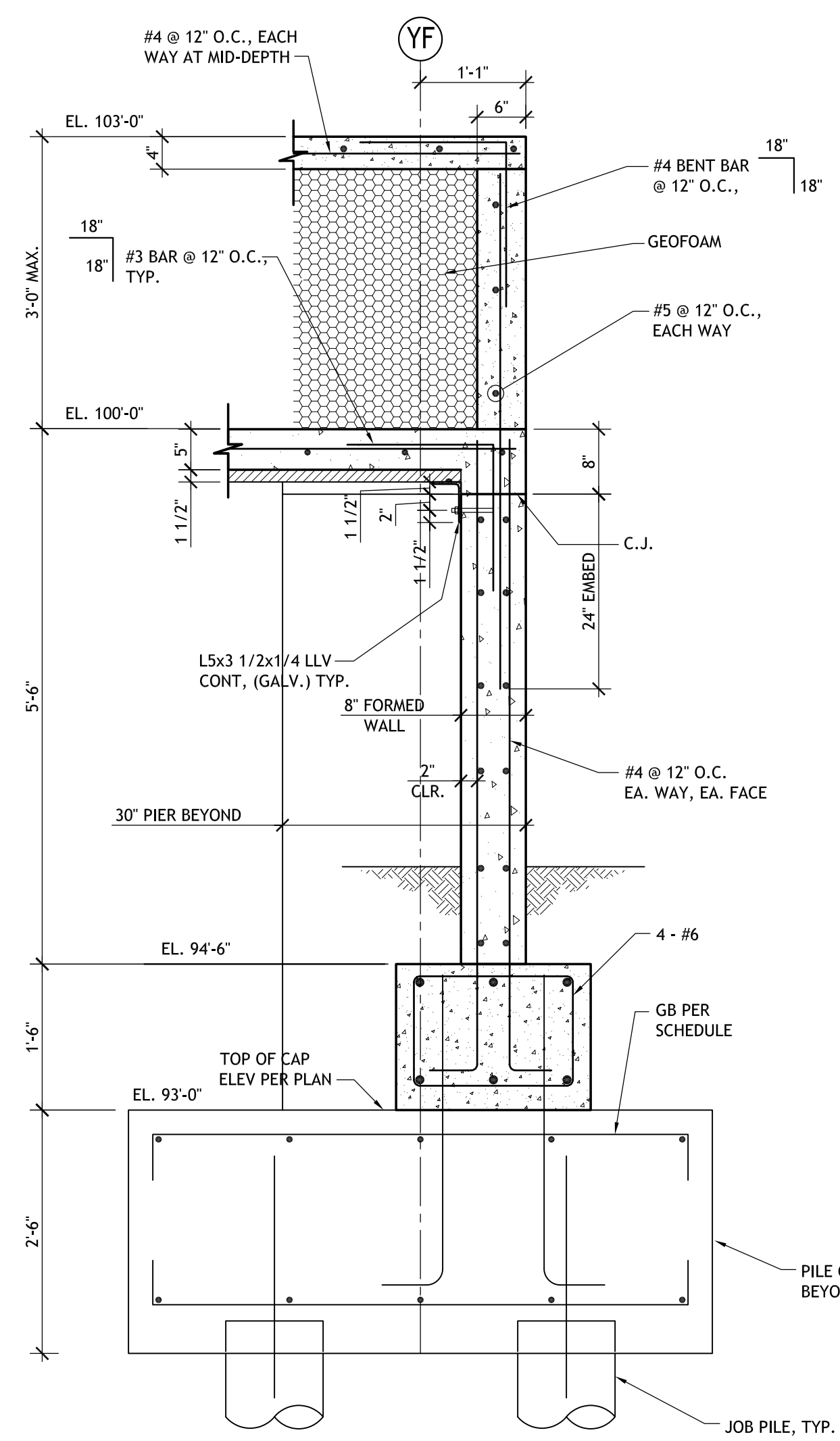
4 SECTION
SCALE: 3/4" = 1'-0"



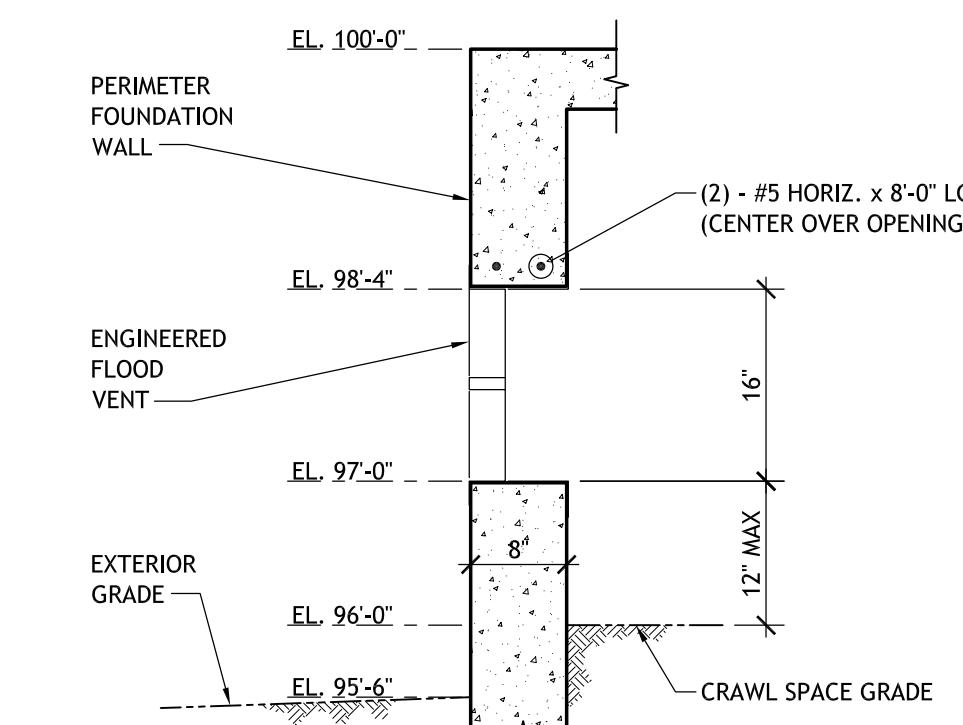
5 SECTION AT STAGE STAIRS
SCALE: 3/4" = 1'-0"



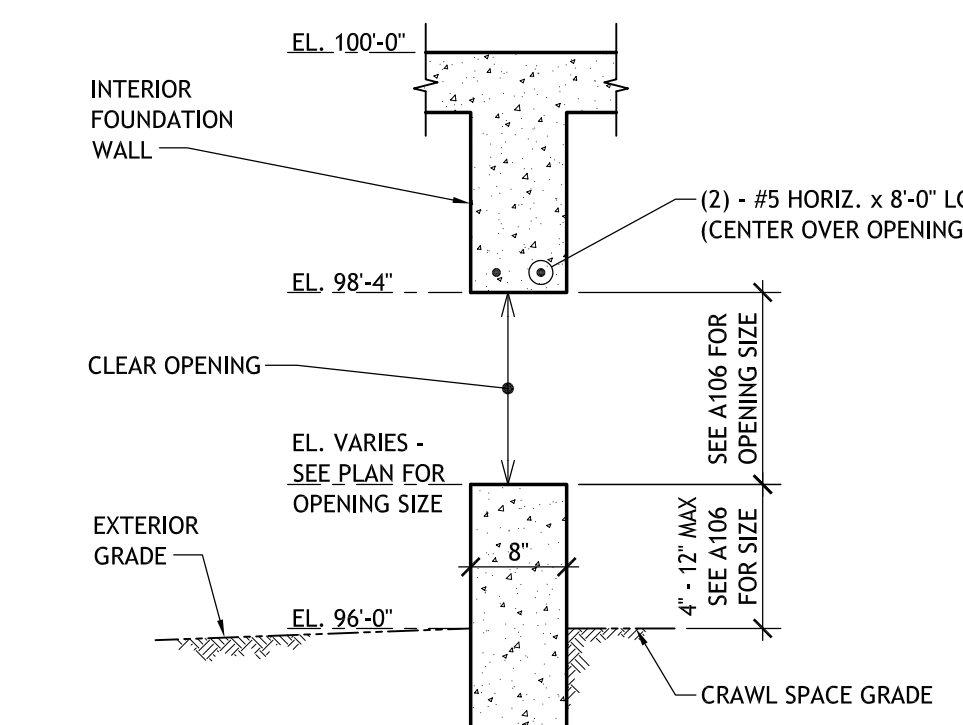
6 SECTION AT STAGE
SCALE: 3/4" = 1'-0"



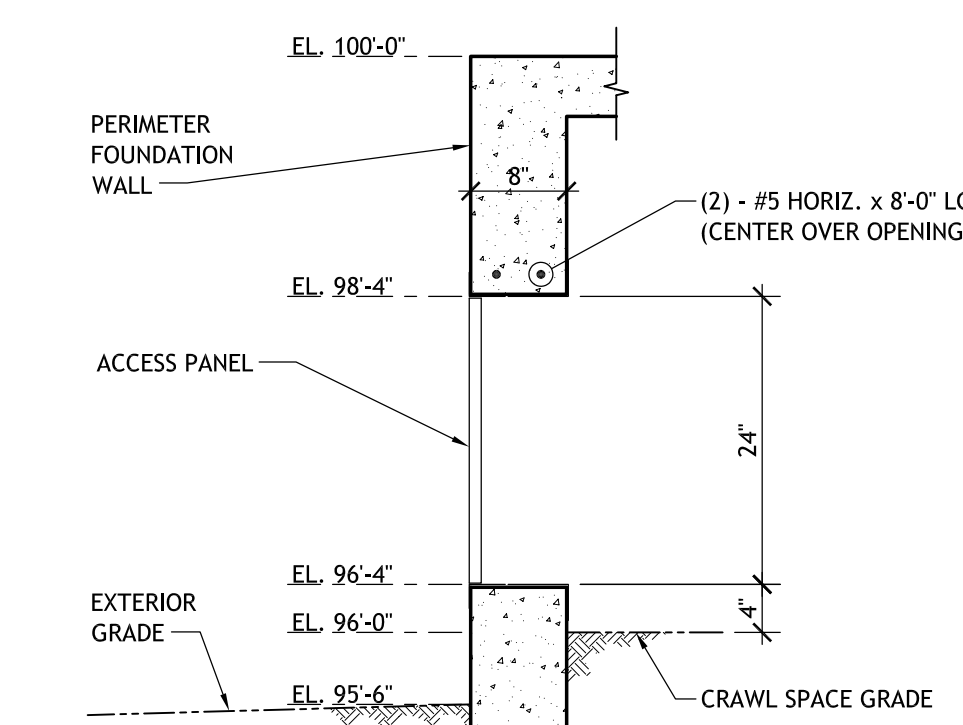
7 SECTION AT STAGE
SCALE: 3/4" = 1'-0"



TYPICAL FLOOD VENT AT EXTERIOR FOUNDATION WALLS



TYPICAL CLEAR OPENINGS AT INTERIOR FOUNDATION WALLS



TYPICAL ACCESS PANEL AT EXTERIOR FOUNDATION WALLS

8 TYPICAL OPENINGS AT FOUNDATION WALLS
SCALE: 3/4" = 1'-0"

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300 LAFAYETTE STREET, SUITE 200
NEW ORLEANS, LOUISIANA 70130
(504) 523-6472 FAX (504) 529-1181

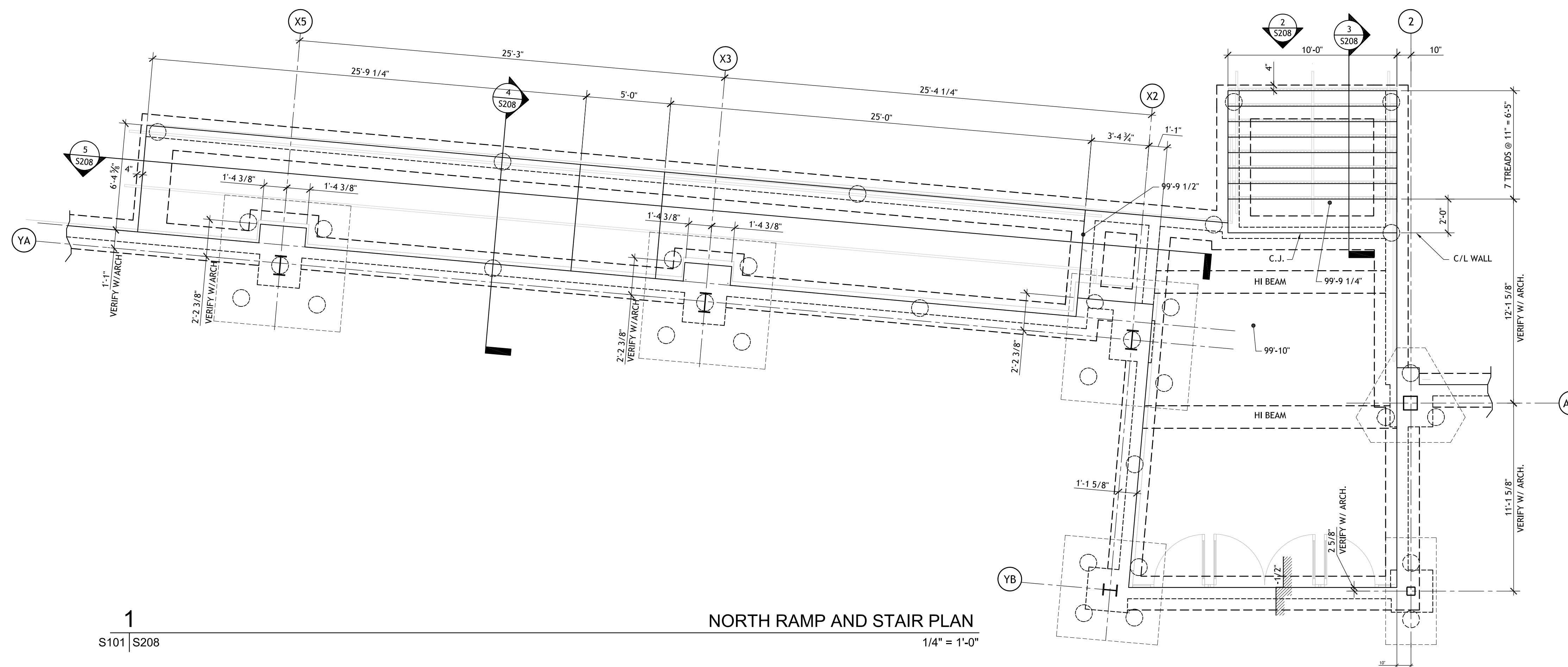
REVISIONS		
No.	DESCRIPTION	DATE

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CONFERENCE CENTER
701 CHURCHILL PKWY, AVONDALE LA

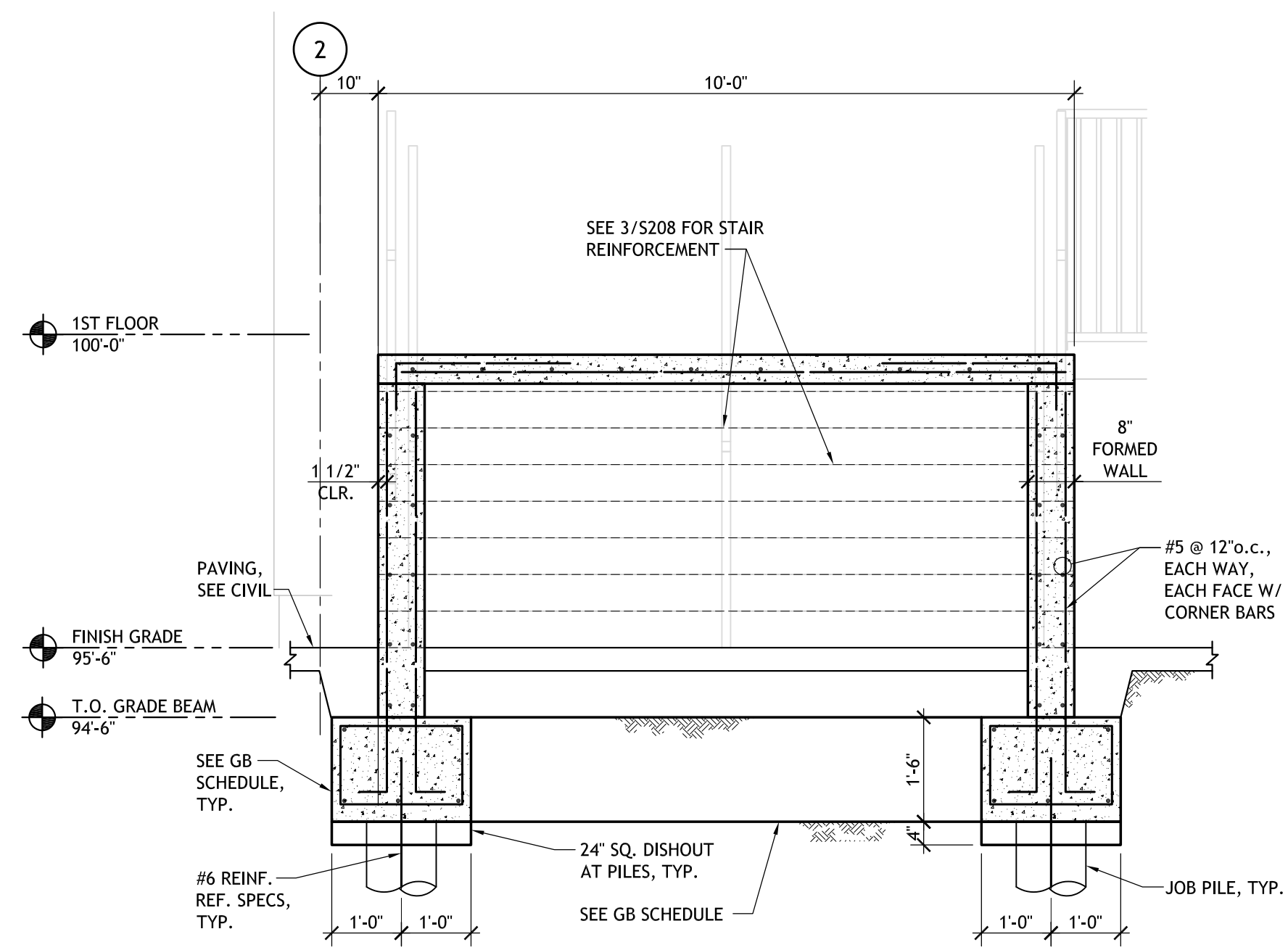
FOUNDATION DETAILS

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date	11-27-19	phase	100% C.D.

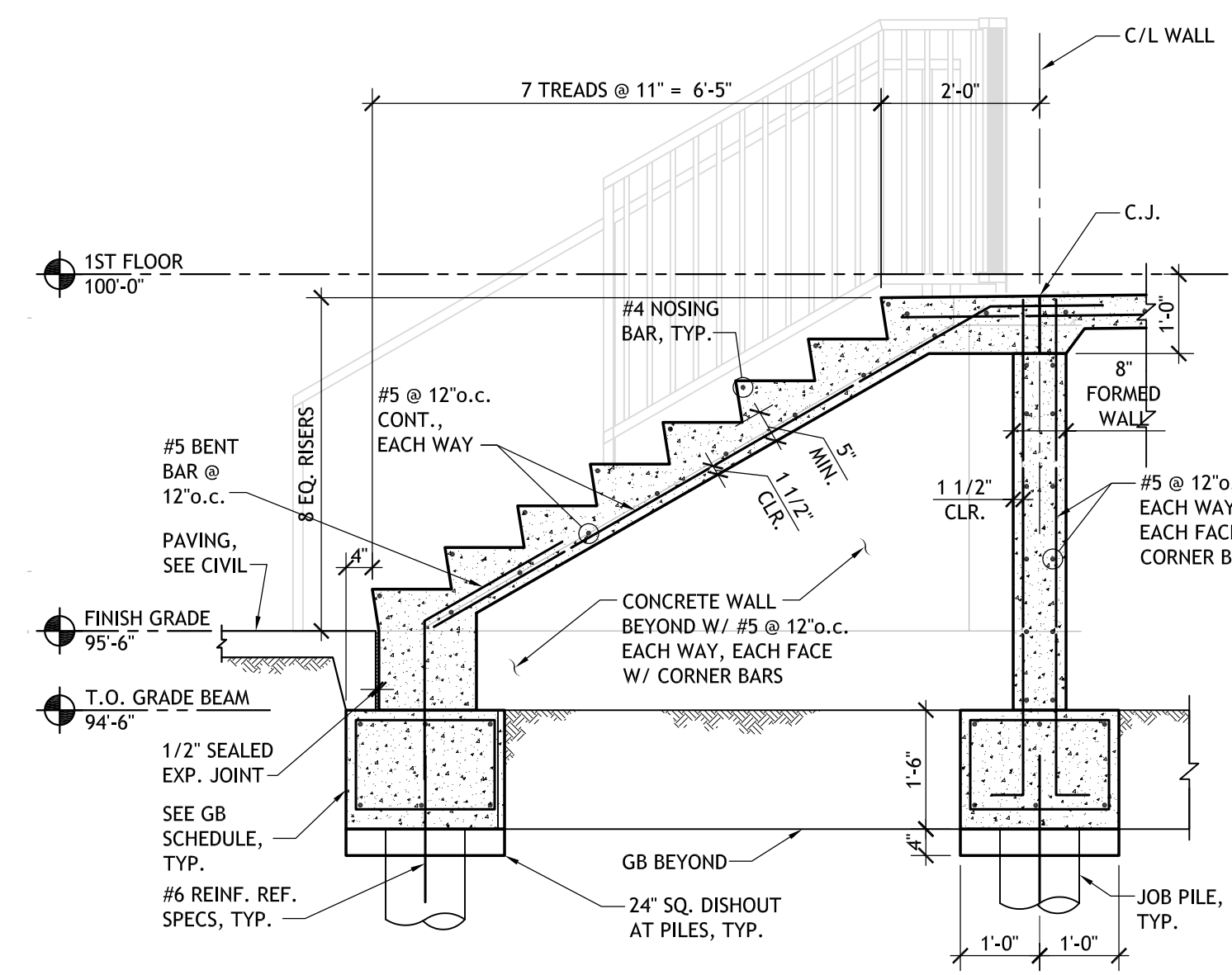
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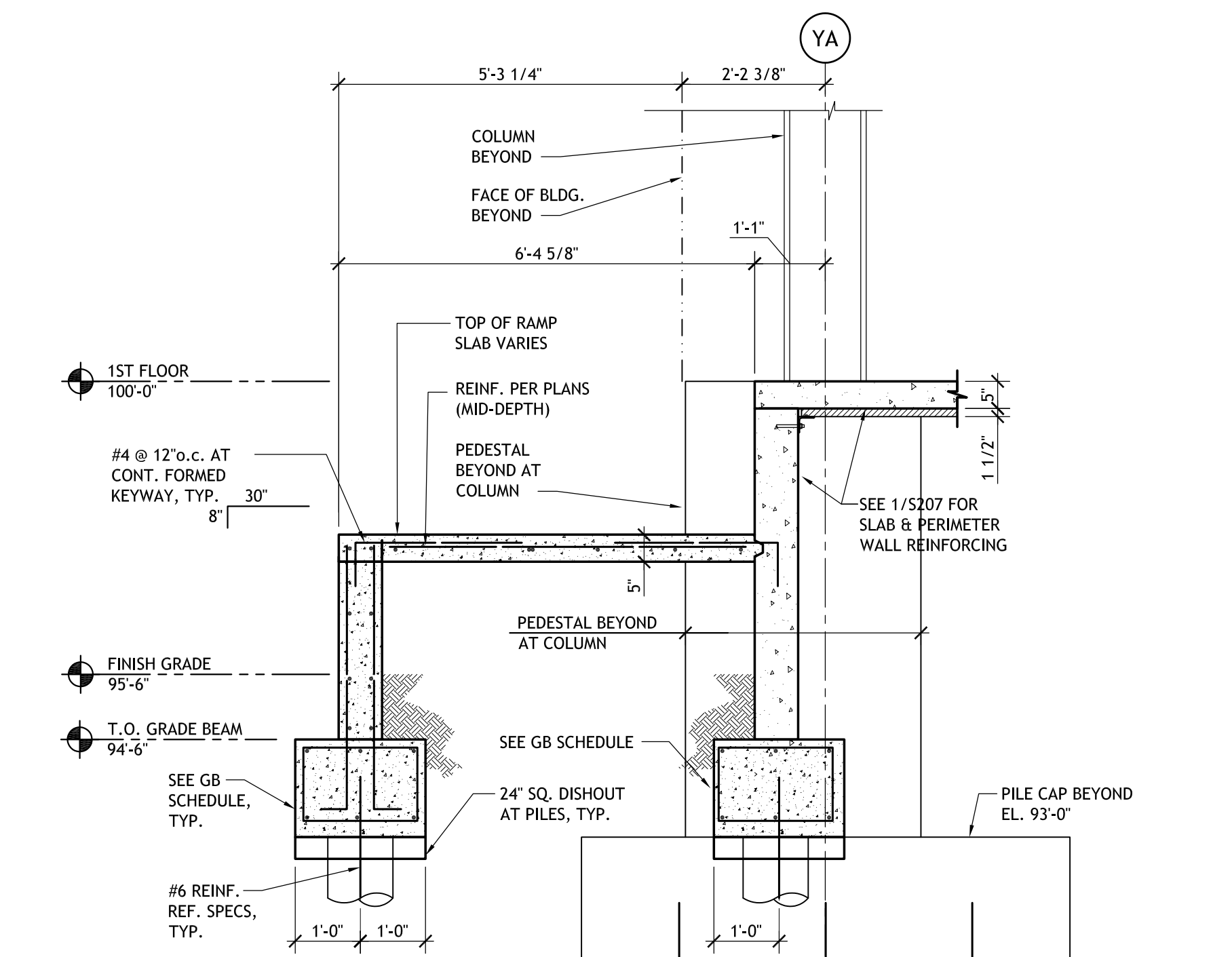
1
S101/S208 NORTH RAMP AND STAIR PLAN
1/4" = 1'-0"



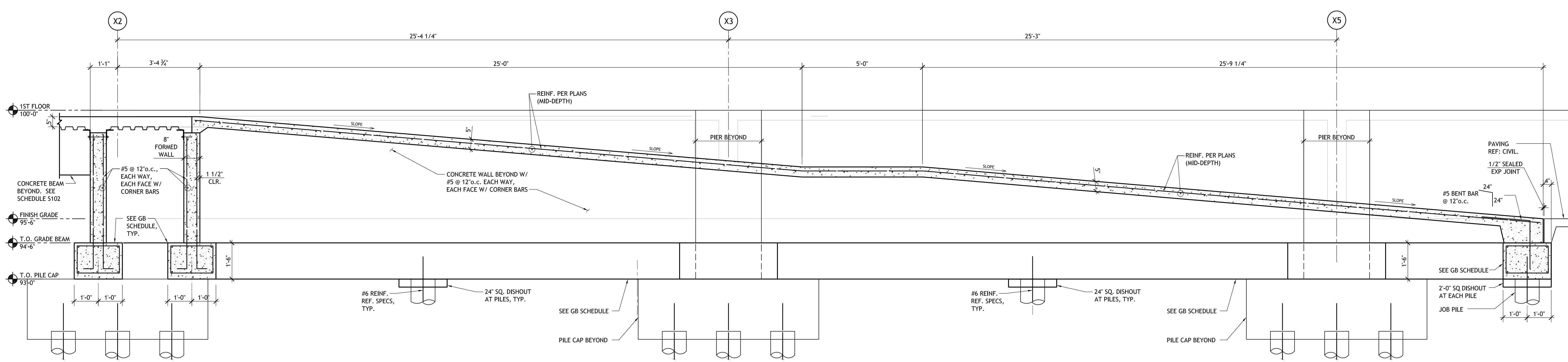
2
S208 ELEVATION AT NORTH STAIR
1/2" = 1'-0"



3
S208 NORTH STAIR SECTION
1/2" = 1'-0"



4
S208 NORTH RAMP ENTRY ELEVATION
1/2" = 1'-0"



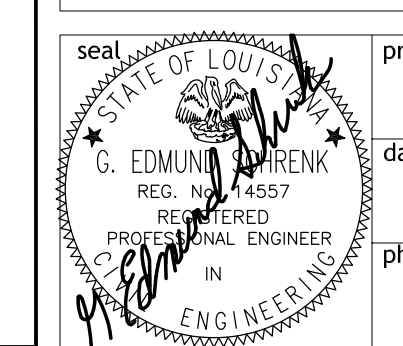
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S208 NORTH RAMP SECTION LONG
1/2" = 1'-0"

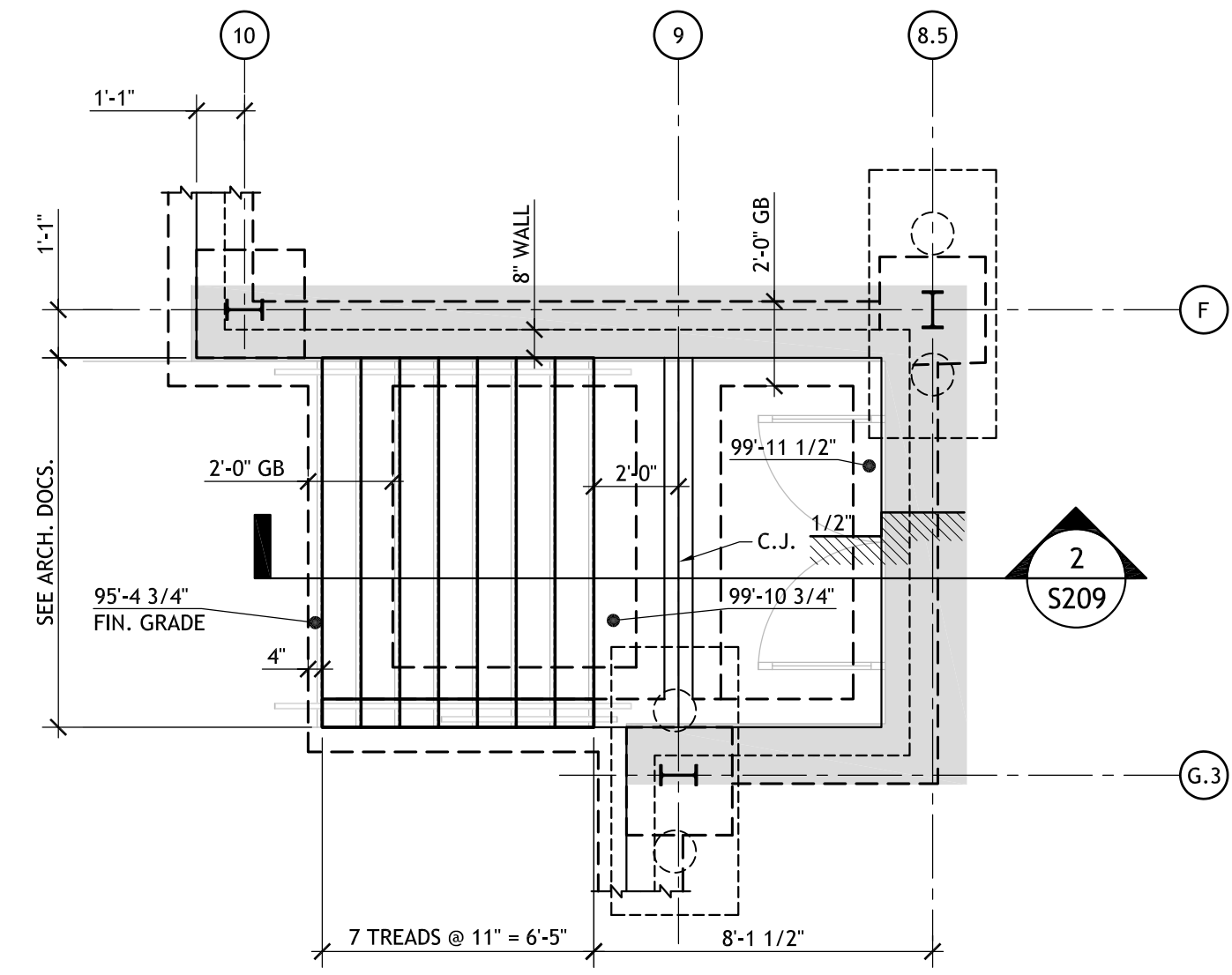
SIZELER THOMPSON BROWN ARCHITECTS
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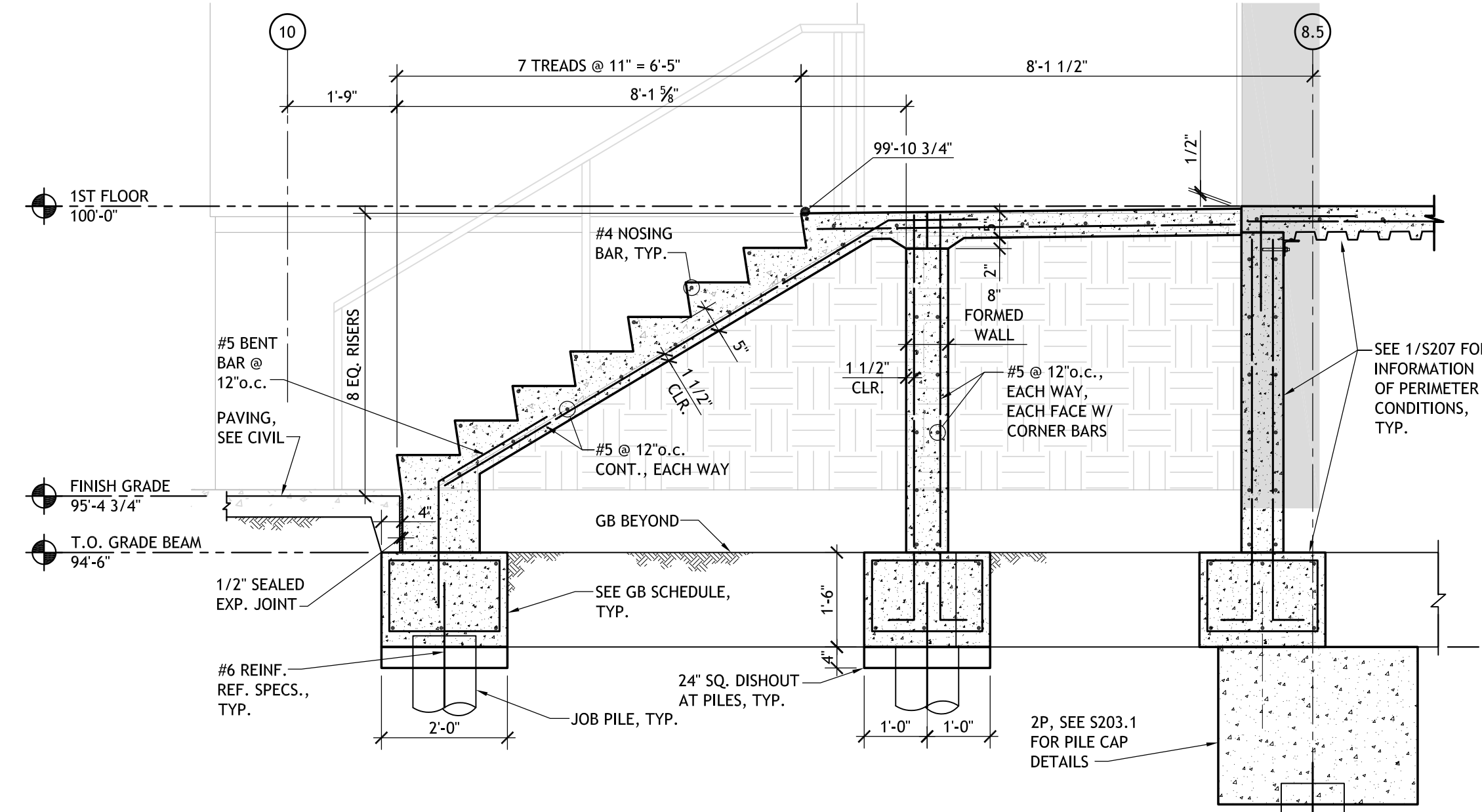
JEFFERSON PARISH BUSINESS PARK:
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 701 CHURCHHILL PKWY, AVONDALE LA

SITE STAIR AND RAMP DETAILS		
project number	date	drawing number
21161.00	11-27-19	S208
phase	100% C.D.	

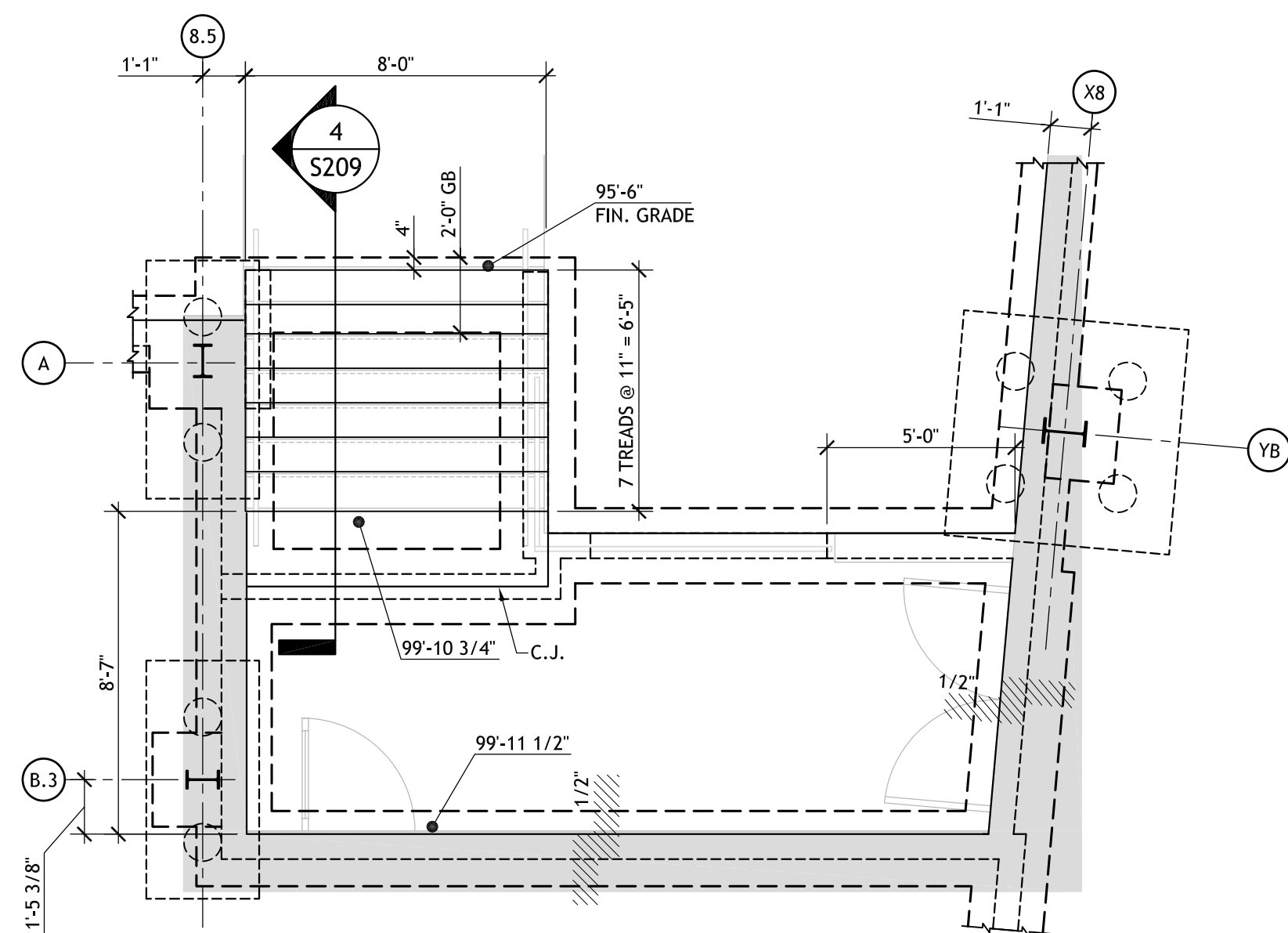




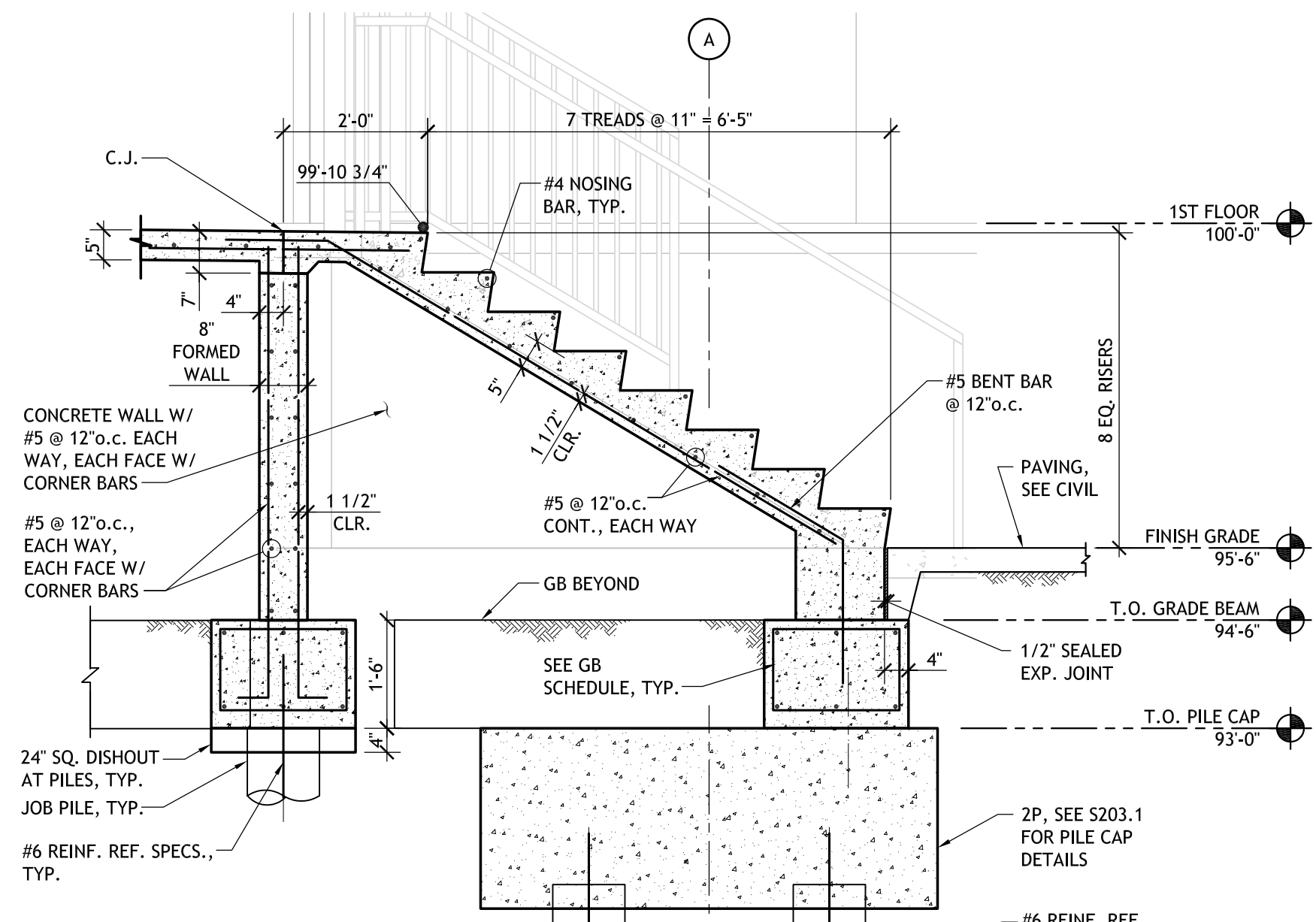
1
WEST STAIR PLAN
S101 | S209 1/4" = 1'-0"



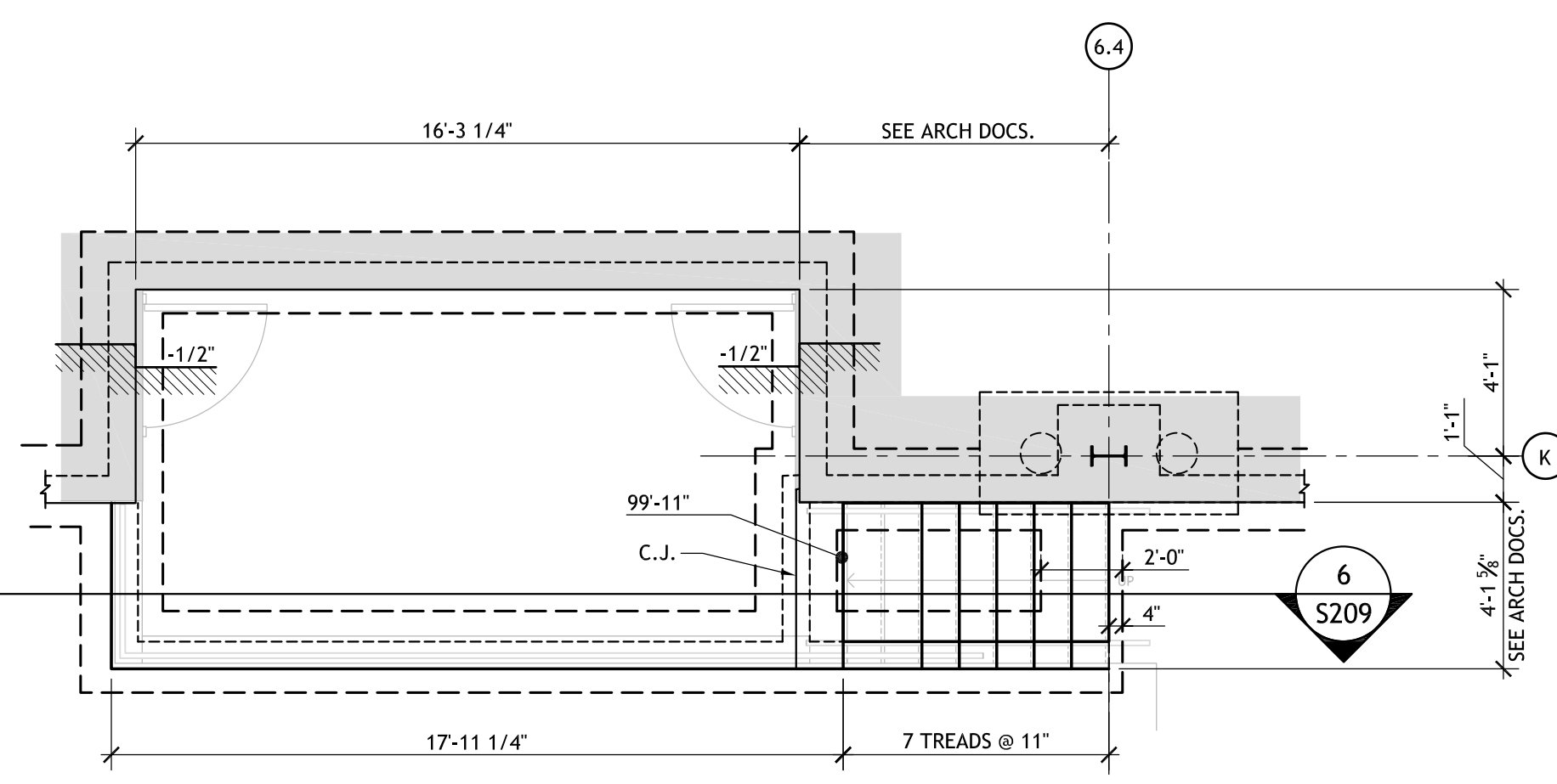
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SECTION AT WEST STAIR
S209 1/2" = 1'-0"



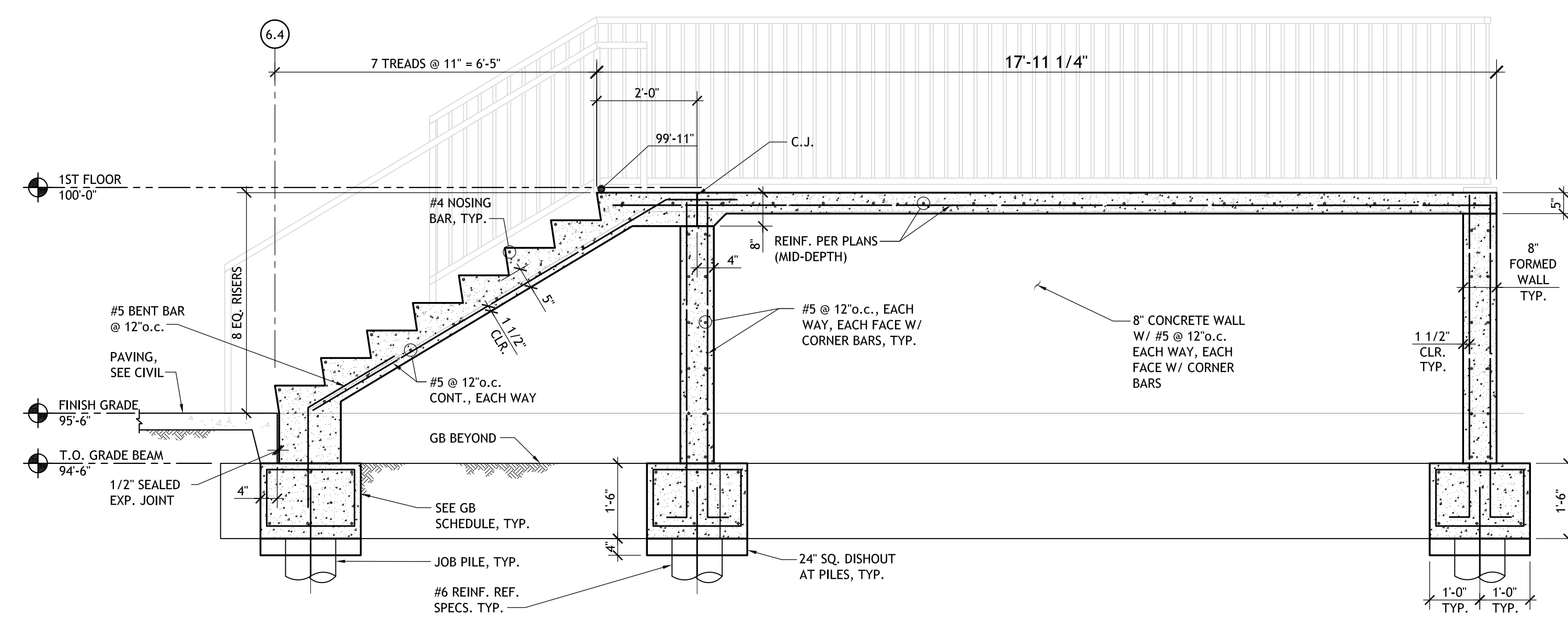
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NORTHWEST STAIR PLAN
S101 | S209 1/4" = 1'-0"



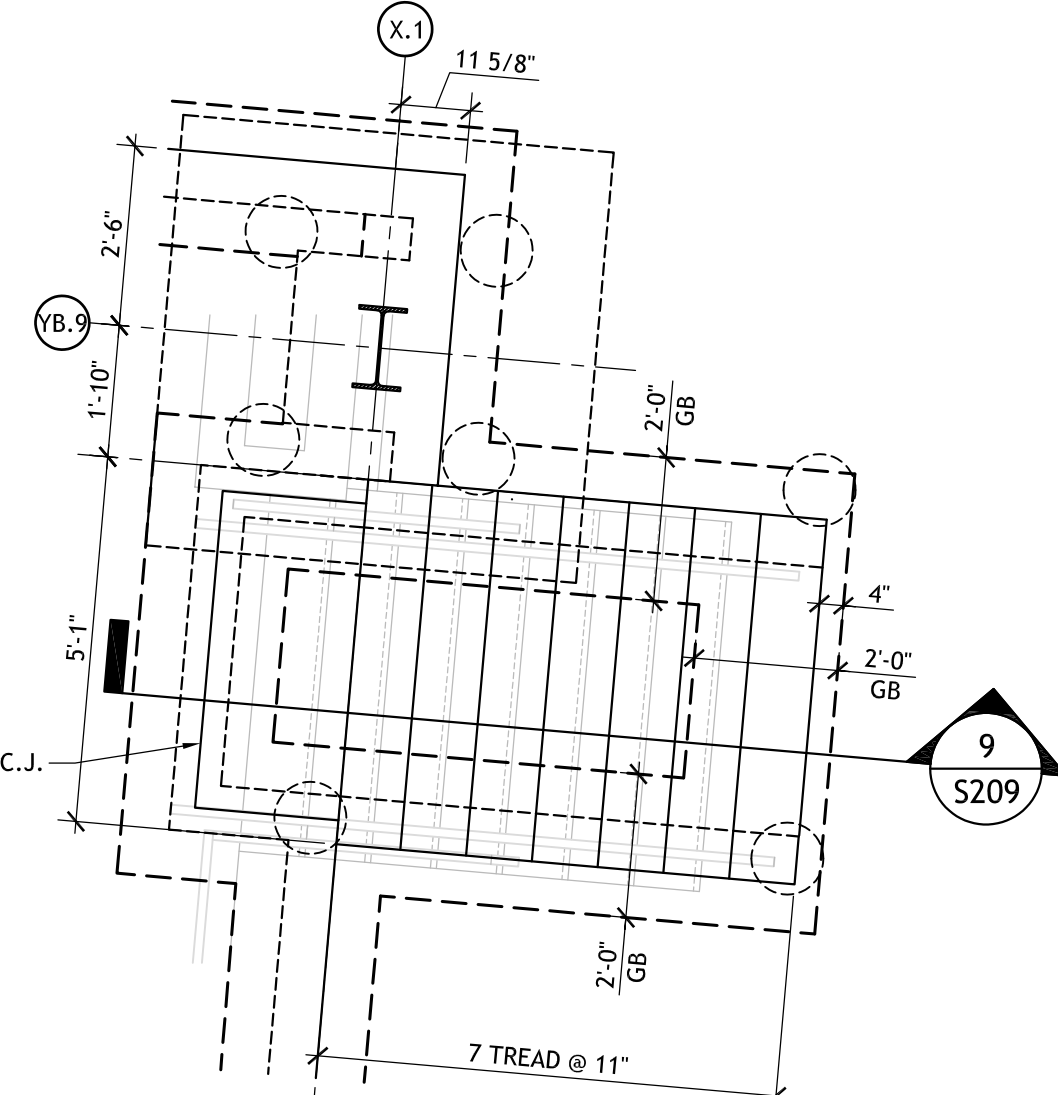
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SECTION AT NORTHWEST STAIR
S209 1/2" = 1'-0"



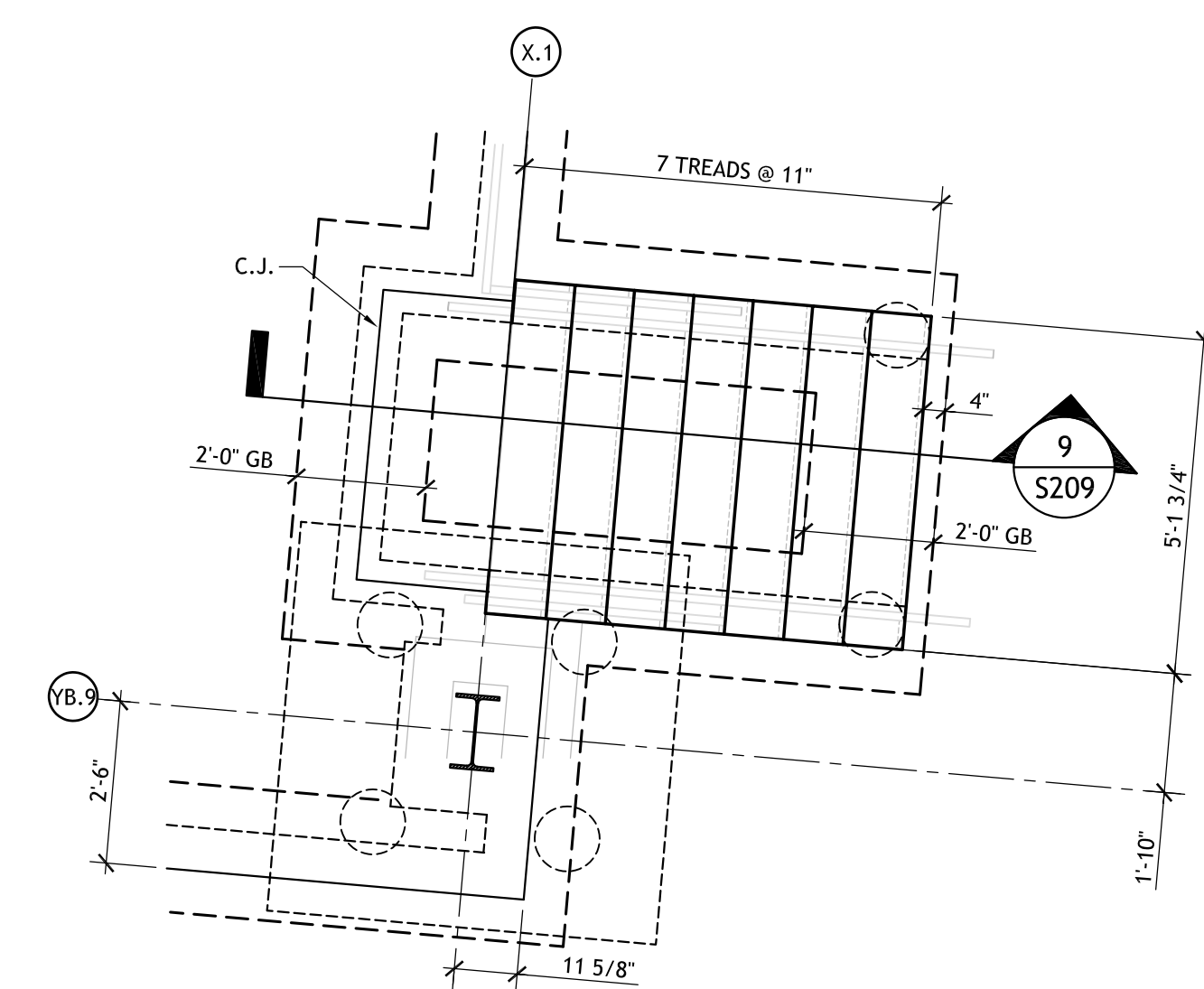
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SOUTHWEST DRESSING ROOM STAIR
S101 | S209 1/4" = 1'-0"



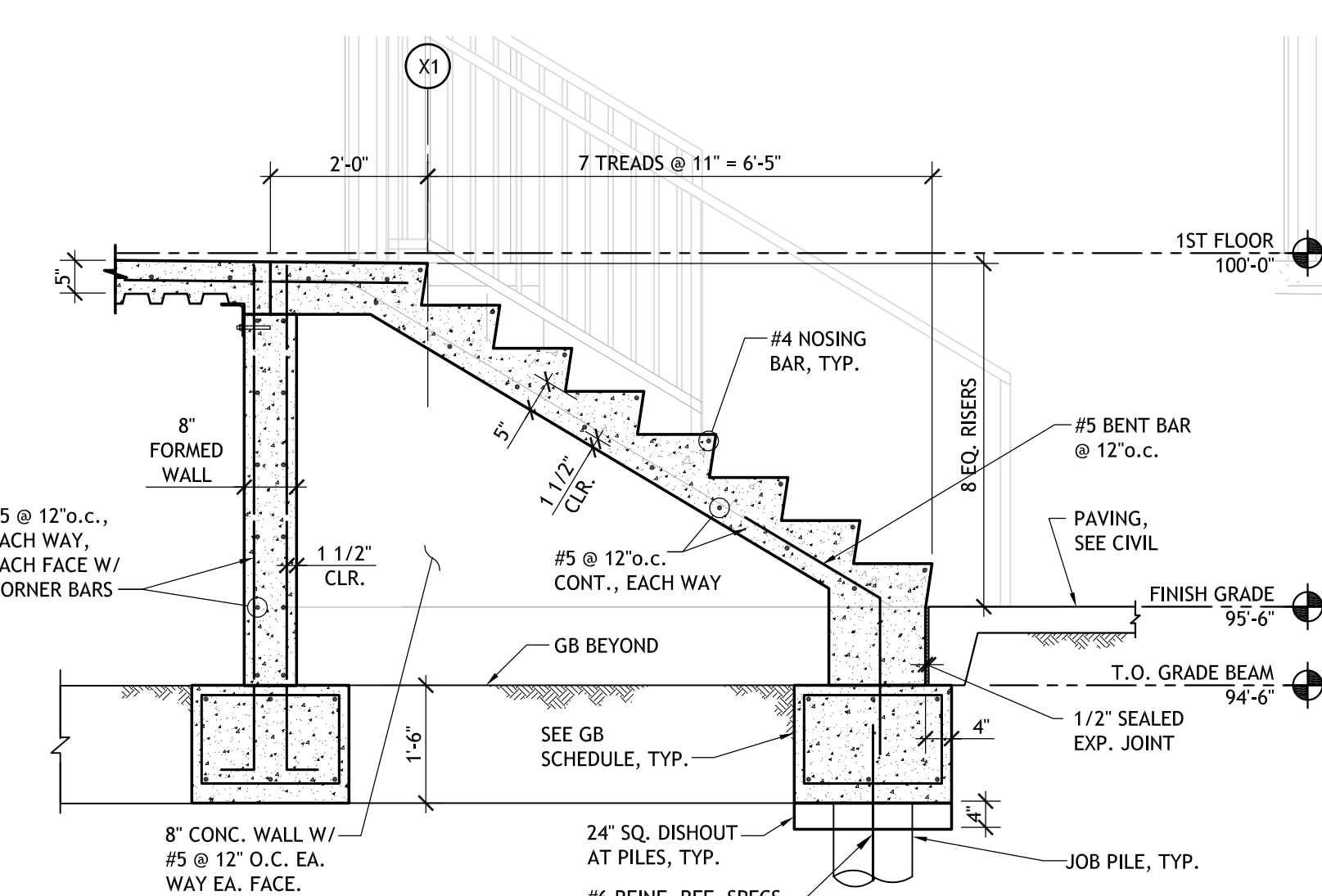
6
SECTION AT SOUTHWEST STAIR
S209 1/2" = 1'-0"



7
FIELD STAIR - NORTH
S101 | S209 3/8" = 1'-0"



8
FIELD STAIR - SOUTH
S101 | S209 3/8" = 1'-0"



9
SECTION AT FIELD STAIR
S209 1/2" = 1'-0"

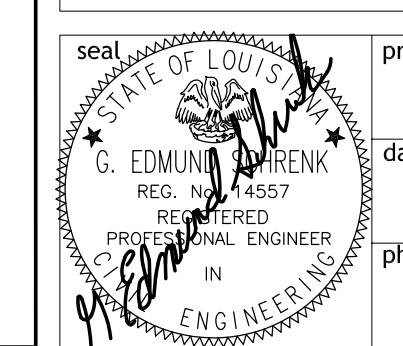
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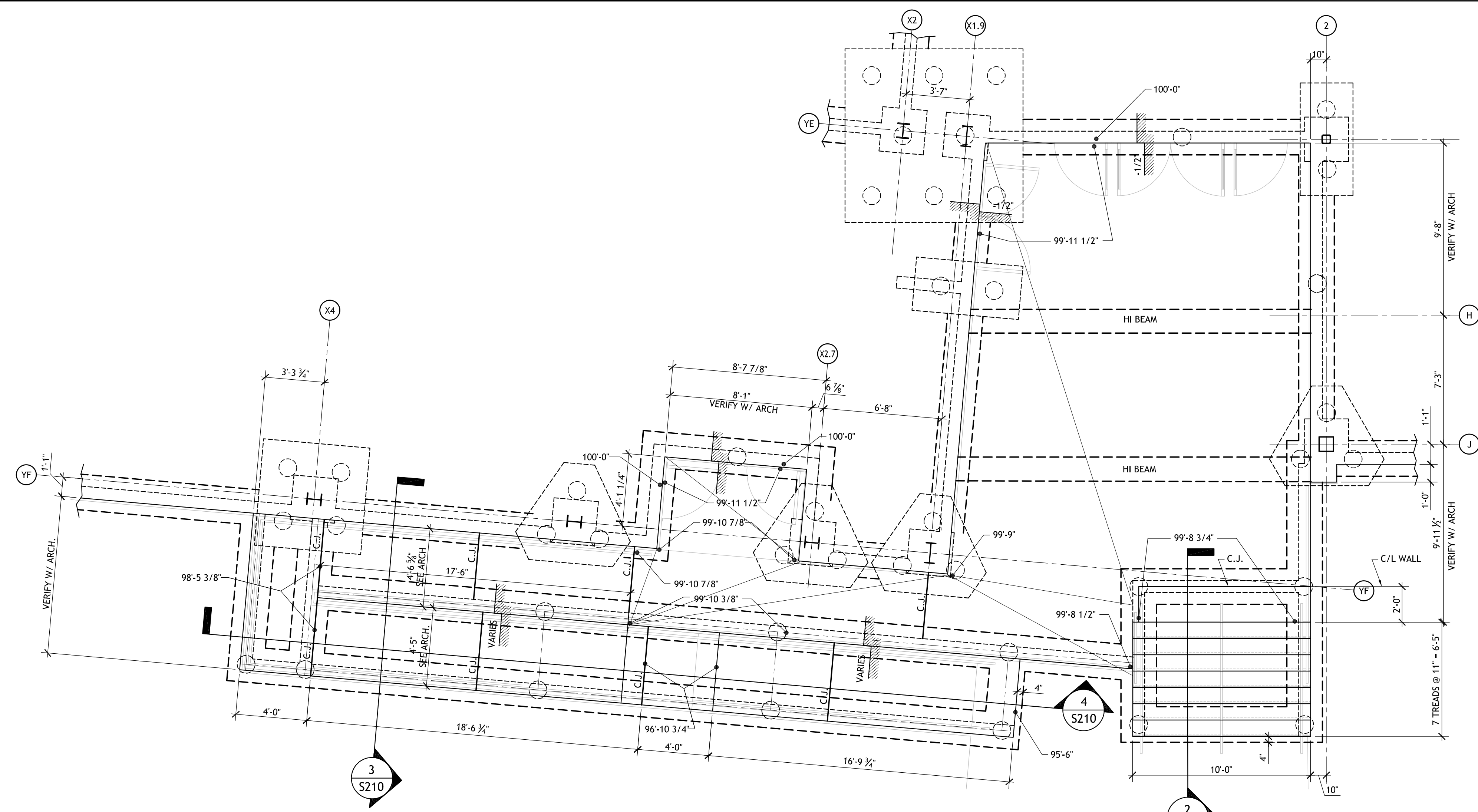
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No.	DESCRIPTION	DATE

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SITE STAIR AND RAMP DETAILS

project number	21161.00	drawing number	S209
date	11-27-19	phase	100% C.D.

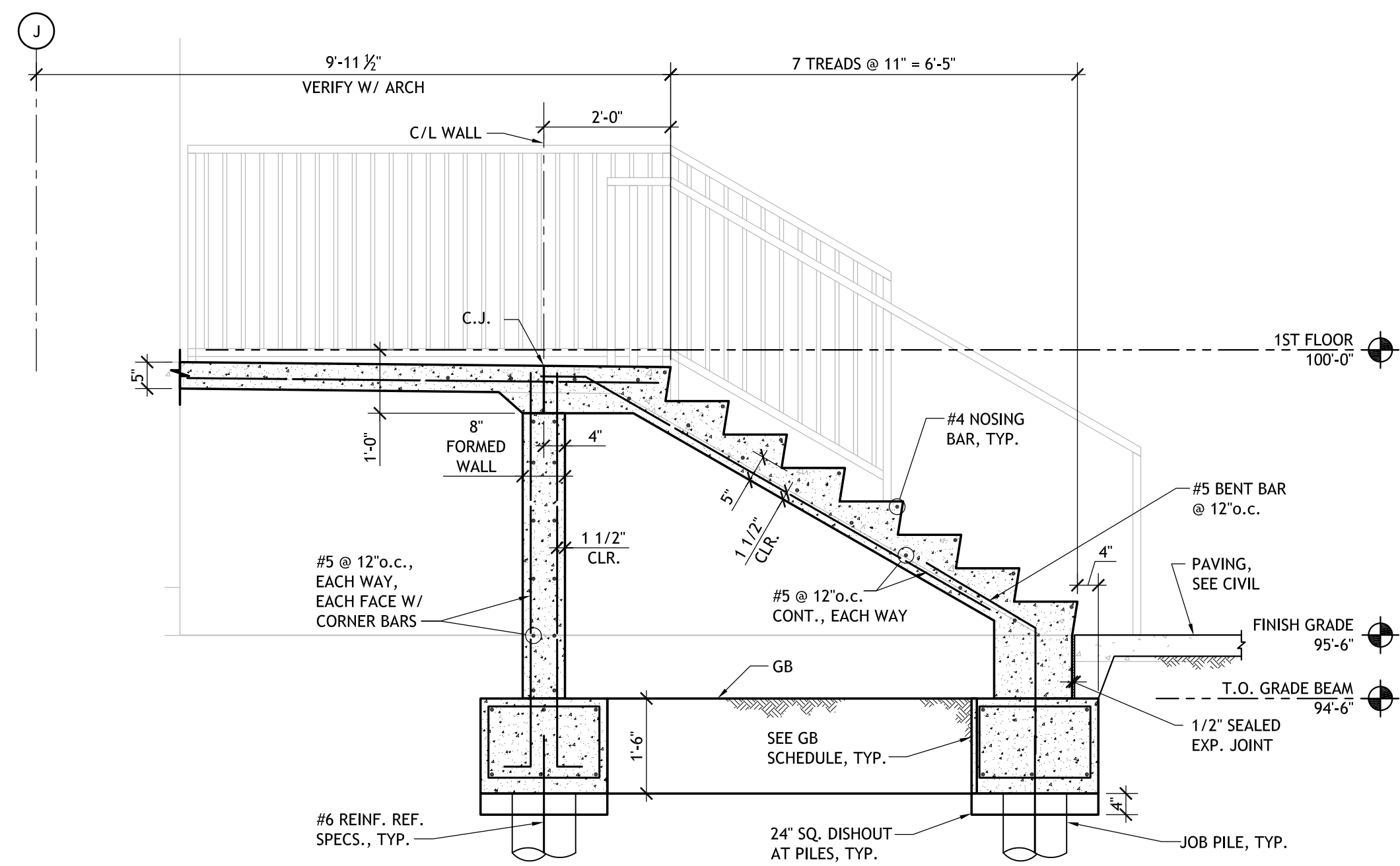




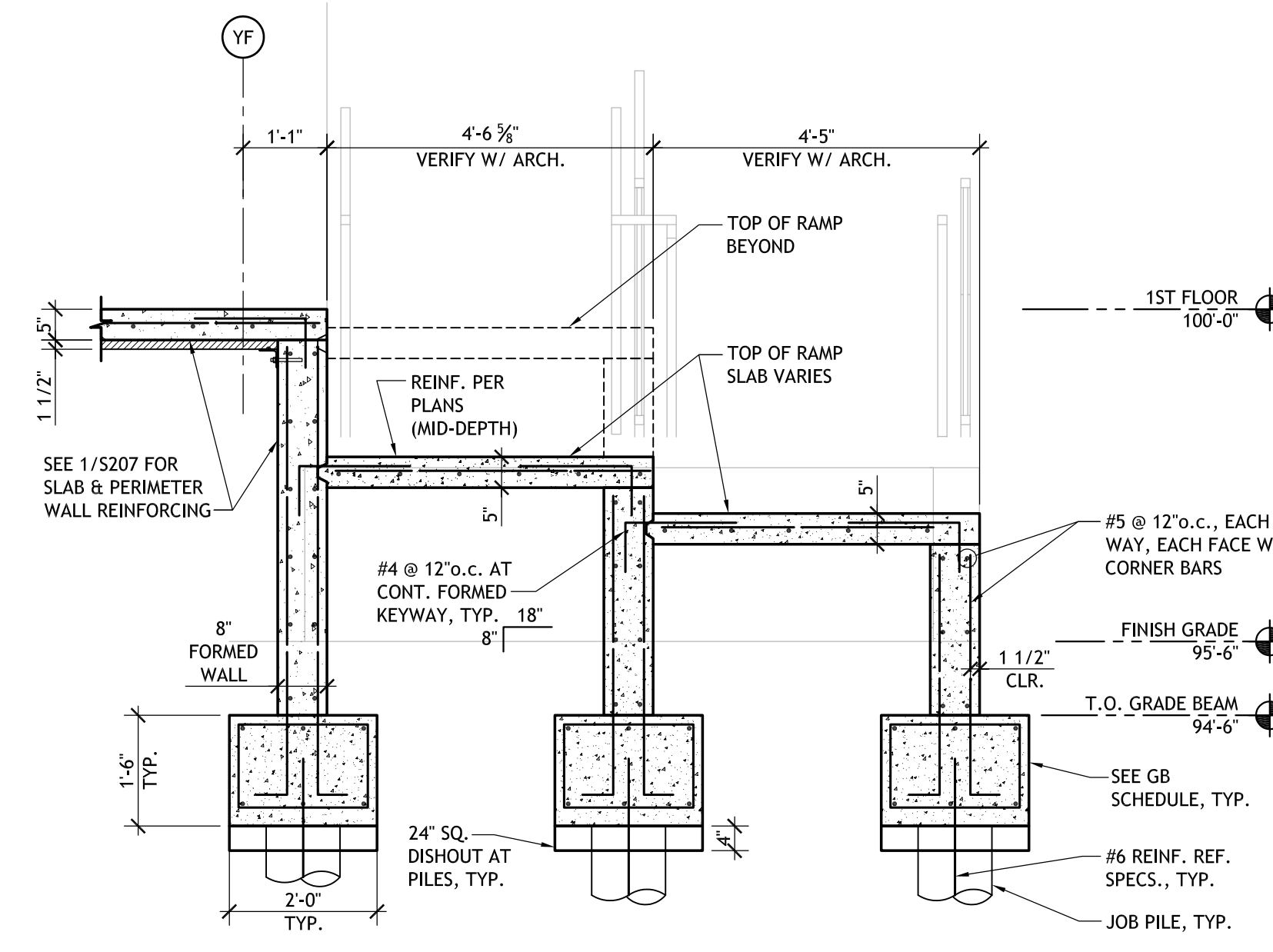
SOUTHEAST STAIR & RAMP

1/4" = 1'-0"

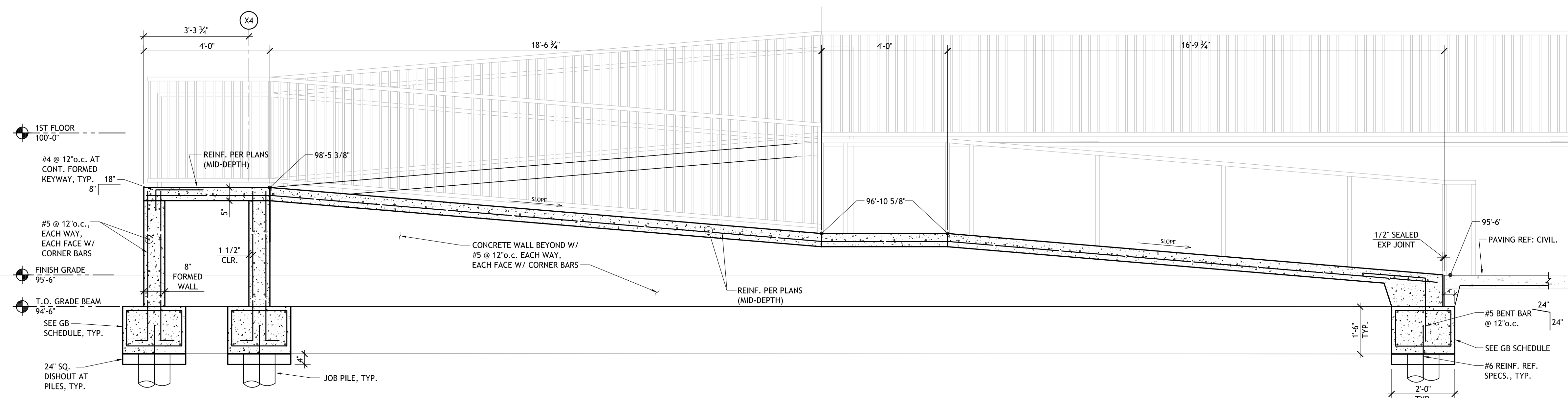
1
S101 | S210



2
SECTION AT SOUTHEAST STAIR
1/2" = 1'-0"



3
SECTION AT SOUTHEAST RAMP
1/2" = 1'-0"



SOUTHEAST STAIR & RAMP
1/2" = 1'-0"

4
S210

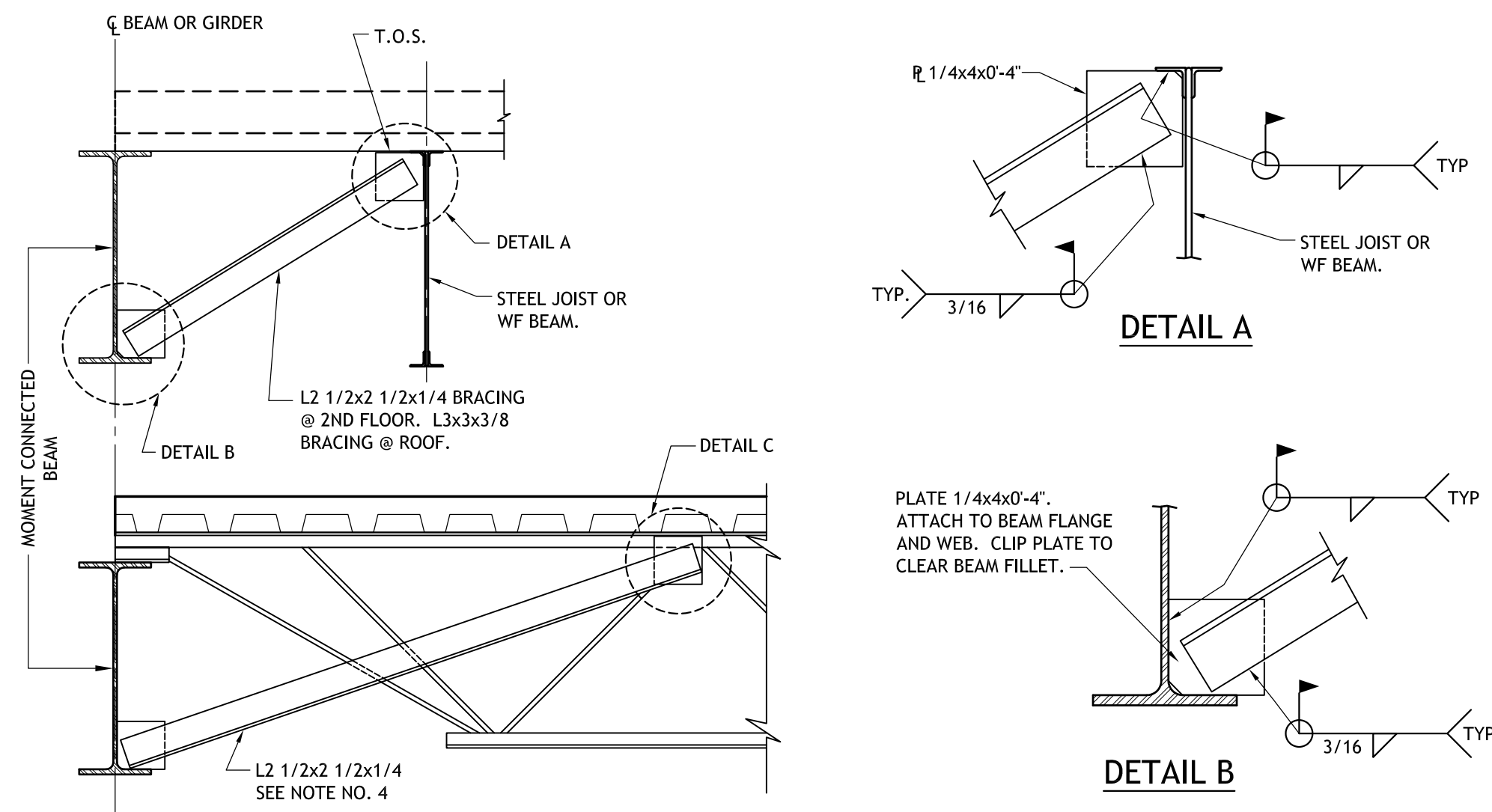
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REVISIONS		
No.	DESCRIPTION	DATE

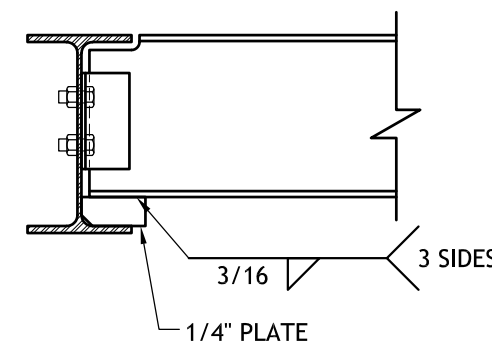
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SITE STAIR AND RAMP DETAILS

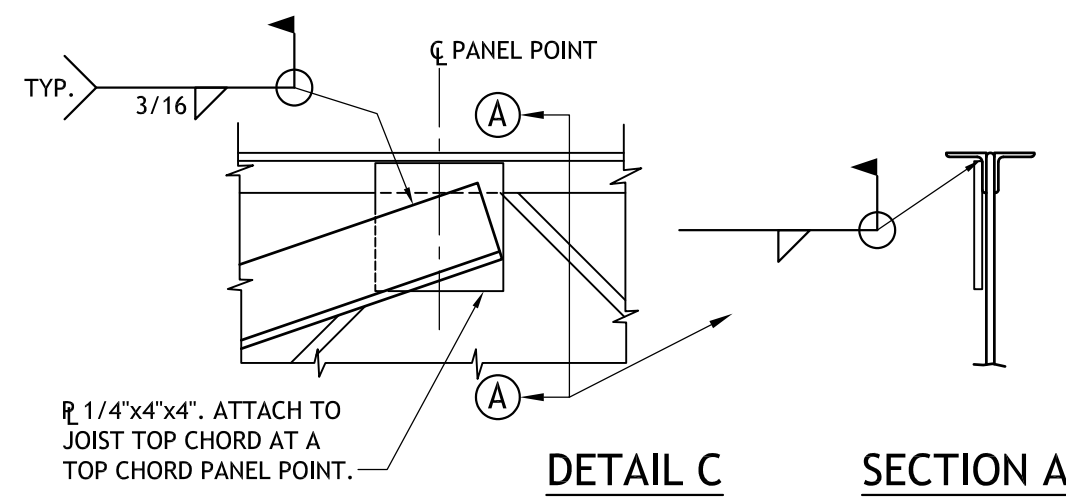
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date	11-27-19	phase	100% C.D.



STEEL JOIST CONDITION



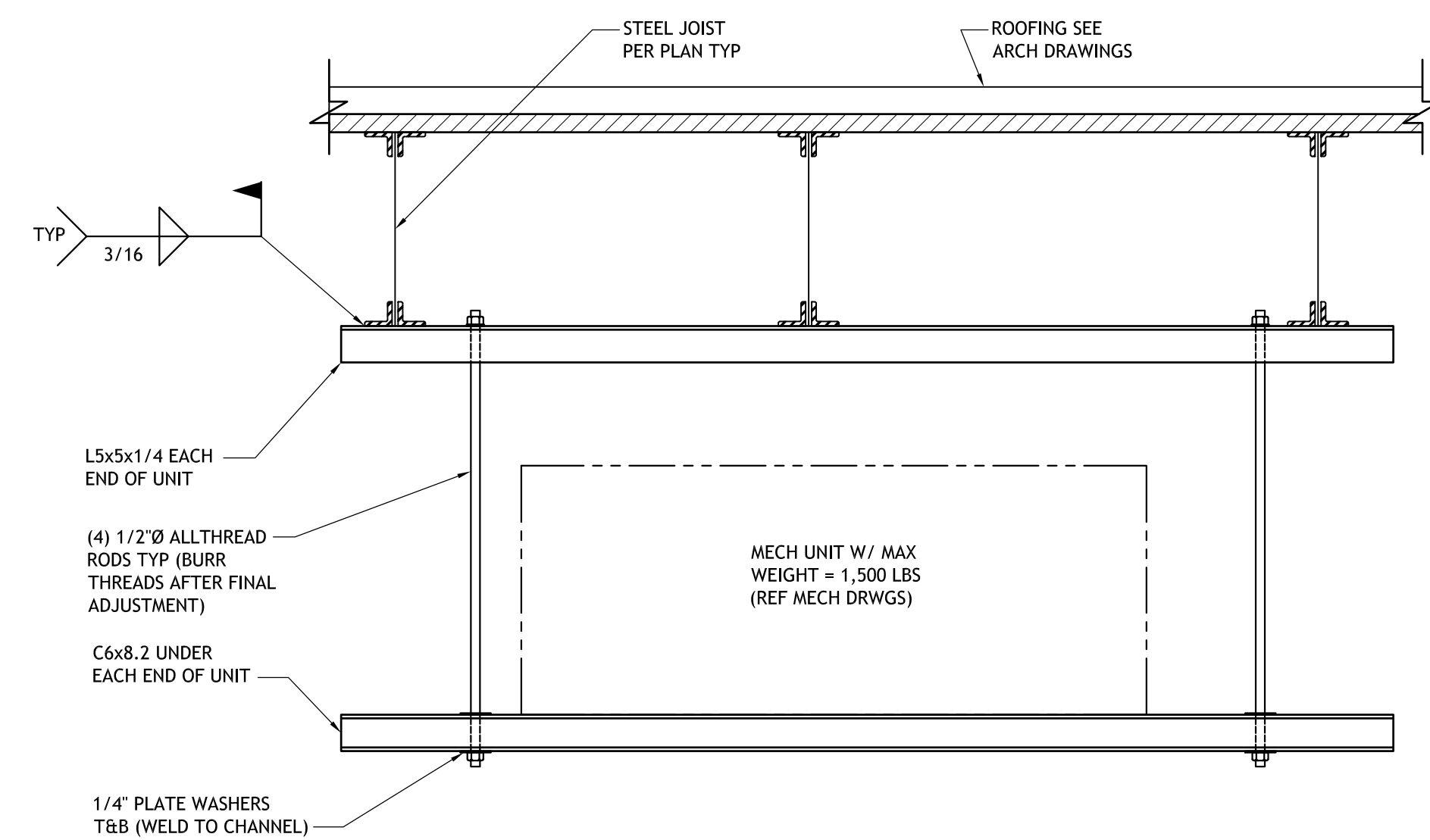
WIDE FLANGE CONDITION



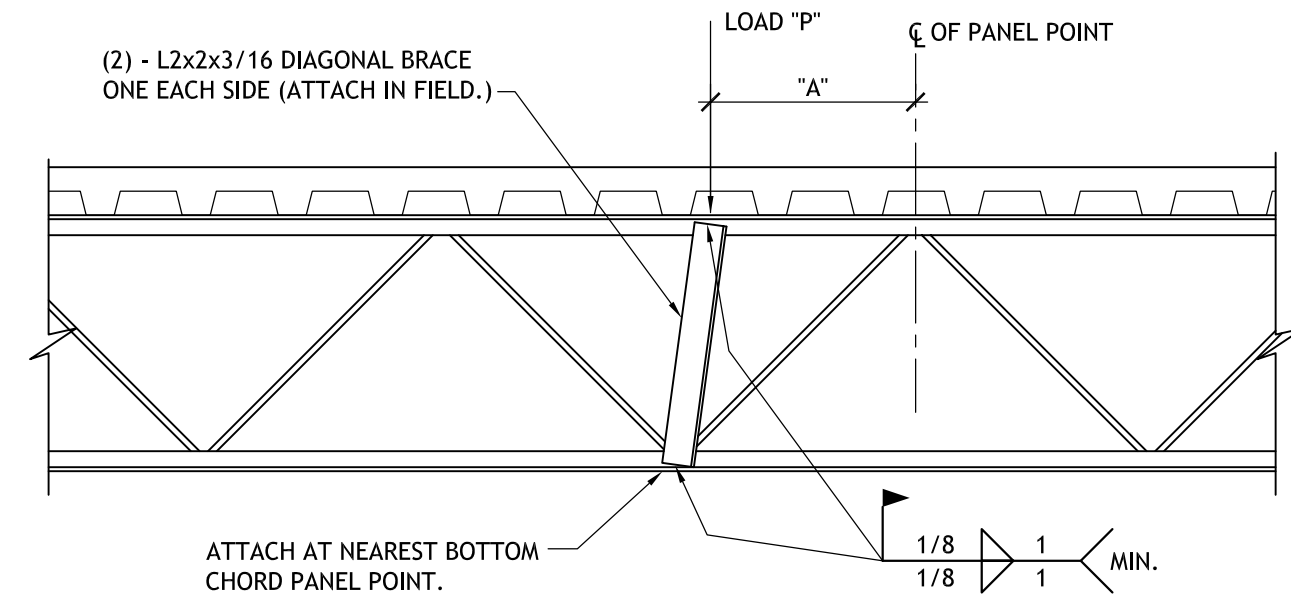
NOTES:

1. PROVIDE BOTTOM FLANGE BRACING PER PLAN NOTES.
2. FIELD WELDING OF 1/4" CONNECTION PLATES SHALL BE AT FABRICATOR'S OPTION.
3. ALL BRACING SHALL BE IN PLACE AND WELDED BEFORE DECK INSTALLATION.
4. SEE GENERAL NOTES FOR DECK CONSTRUCTION.

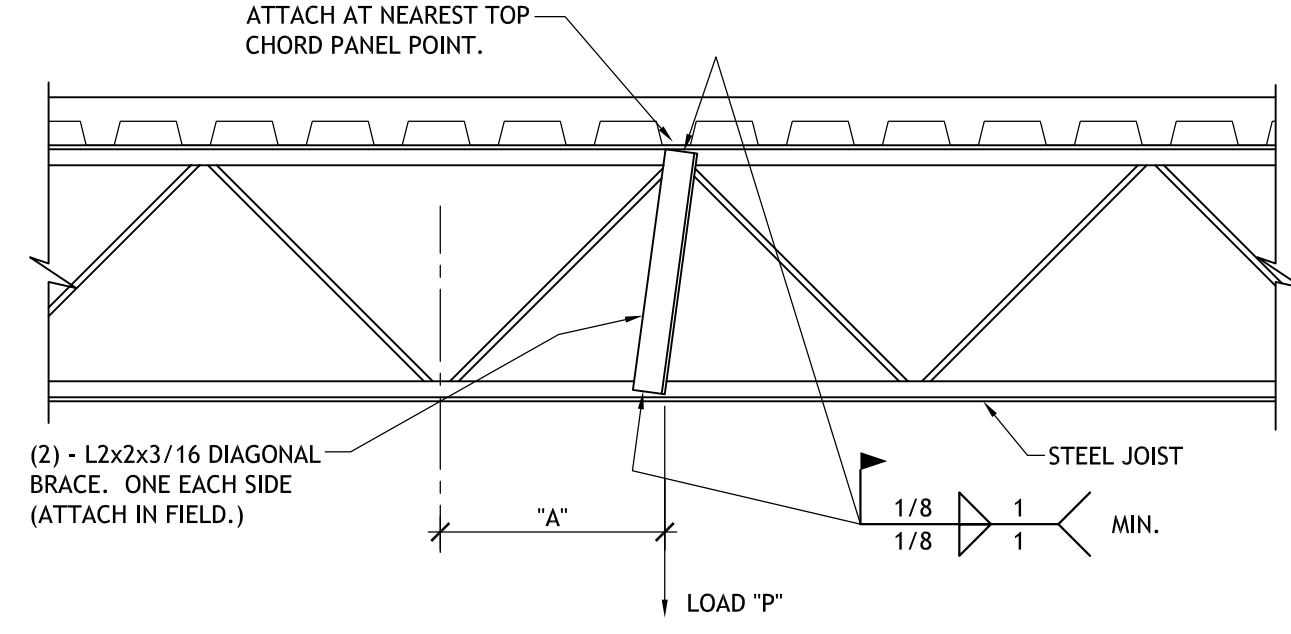
1 TYPICAL BEAM BOTTOM FLANGE BRACE N.T.S.



4 AHU-1 MECHANICAL UNIT SUPPORT N.T.S.



LOAD ON TOP CHORD

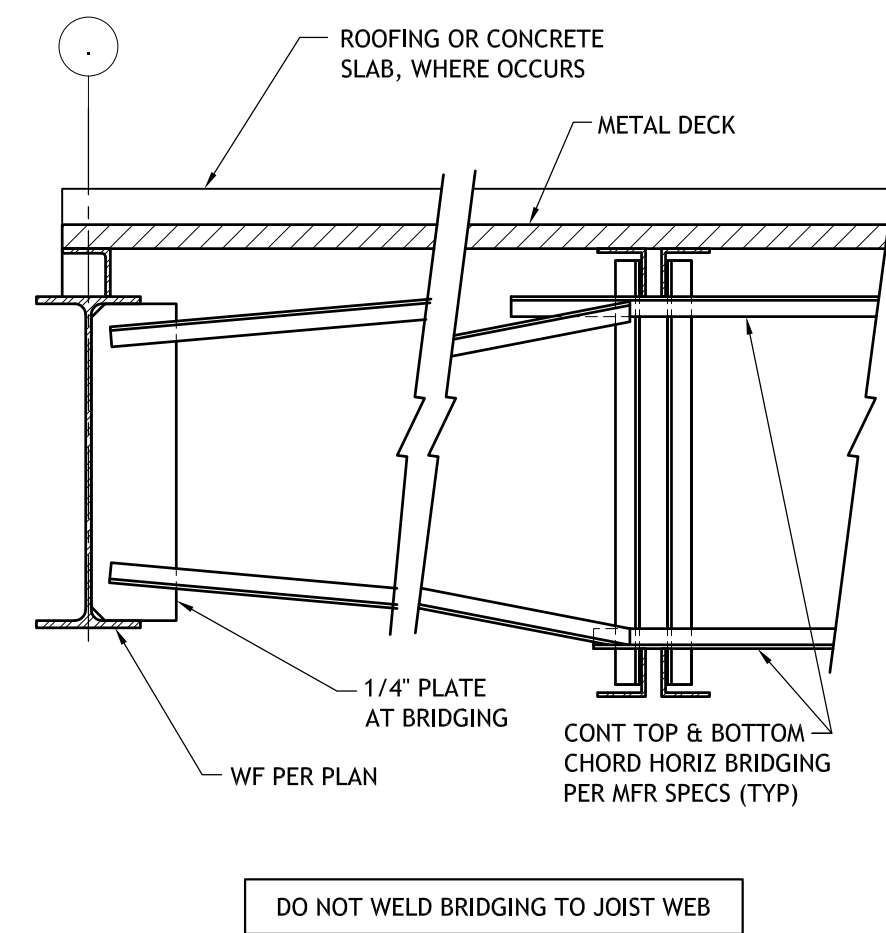


LOAD ON BOTTOM CHORD

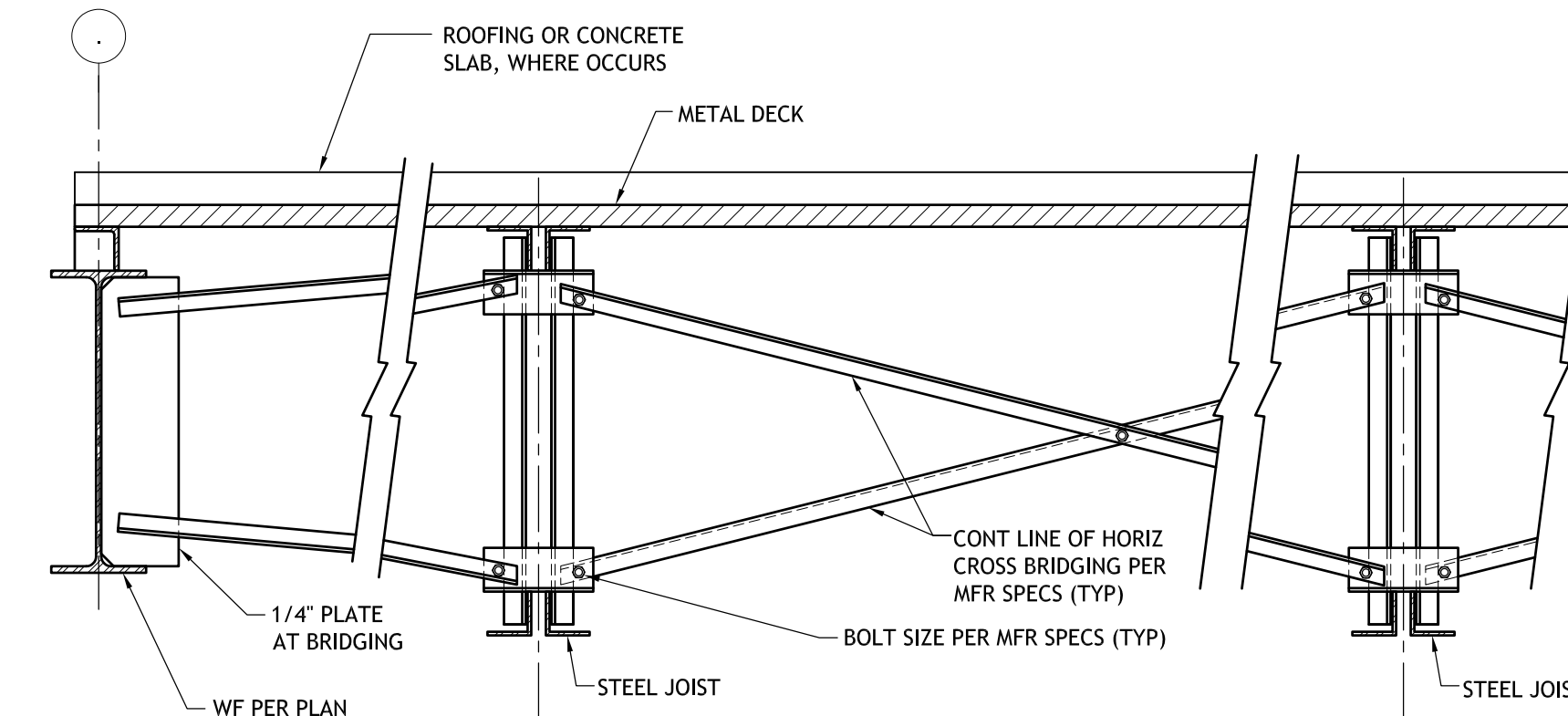
NOTES:

1. DIAGONAL BRACE IS NOT REQUIRED FOR "A" LESS THAN THREE INCHES.
2. PROVIDE DIAGONAL BRACE AT LOCATION OF CONCENTRATED LOADS SUCH AS PARTITIONS, HEAVY PIPES, MECHANICAL UNITS, HEAVY LIGHTS AND ANY OTHER CONCENTRATED LOADS AS DIRECTED BY ENGINEER.
3. P = CONCENTRATED LOAD. (P MIN = 150 LBS, P MAX = 300 LBS)
4. NOT FOR HANGERS TO RIGGING, CATWALKS OR MECHANICAL FLOORS.

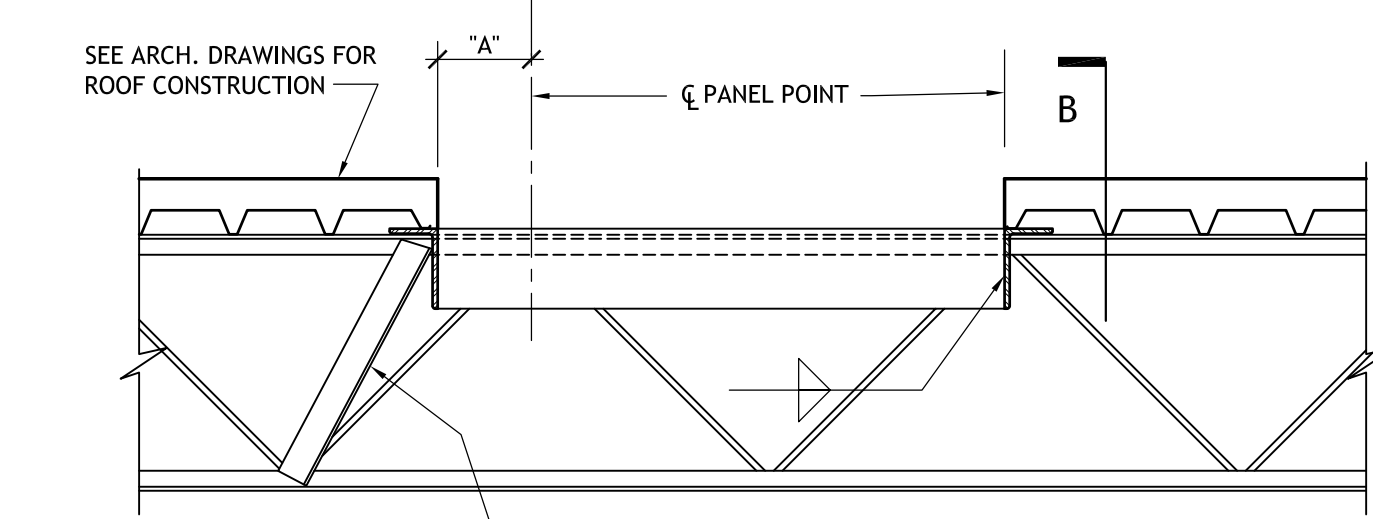
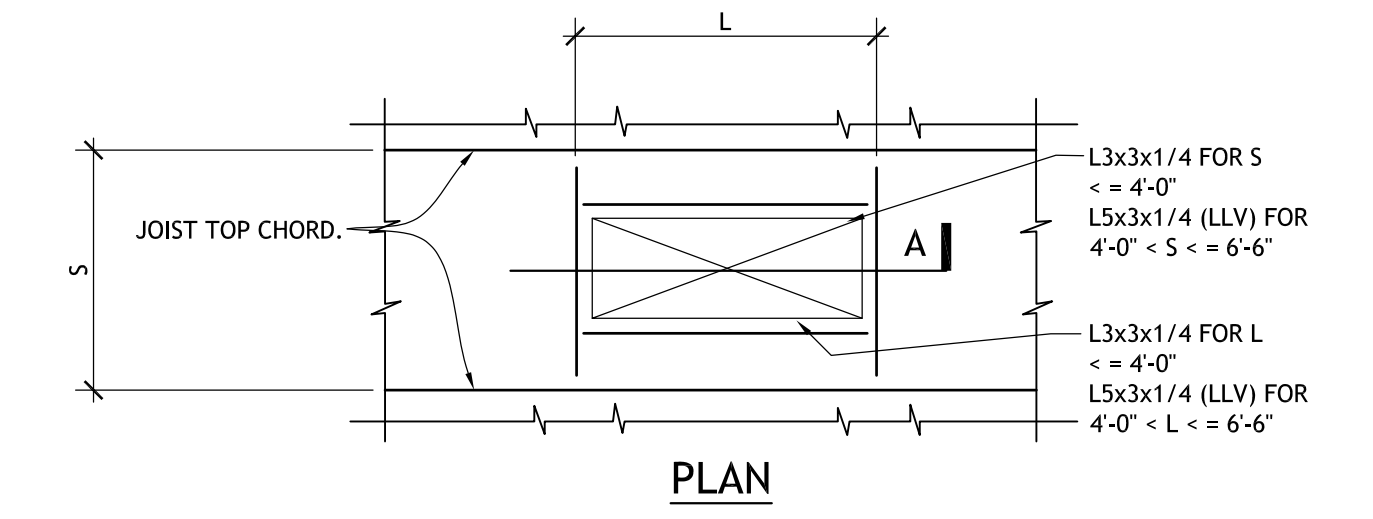
2 STIFFENING OF STEEL JOIST FOR CONCENTRATED LOADS N.T.S.



5 TYPICAL HORIZONTAL BRIDGING N.T.S.

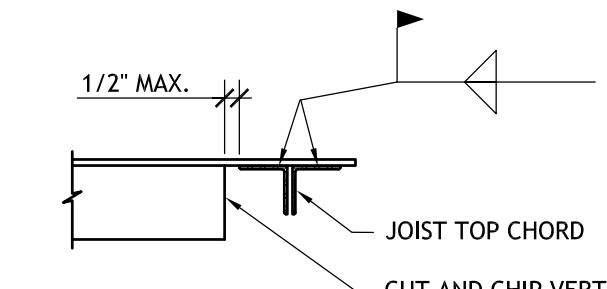


6 TYPICAL CROSS BRIDGING N.T.S.



PROVIDE L2x2x3/16 BRACE WHERE "A" DIMENSION EXCEEDS 3'. SEE TYPICAL DETAIL STIFFENING OF STEEL JOISTS FOR CONCENTRATED LOADS.

NOTE: REFER TO ENGINEER FOR OPENING LARGER THAN 6'-6"



3 ROOF OPENING, OPEN WEB STEEL JOIST CONSTRUCTION N.T.S.

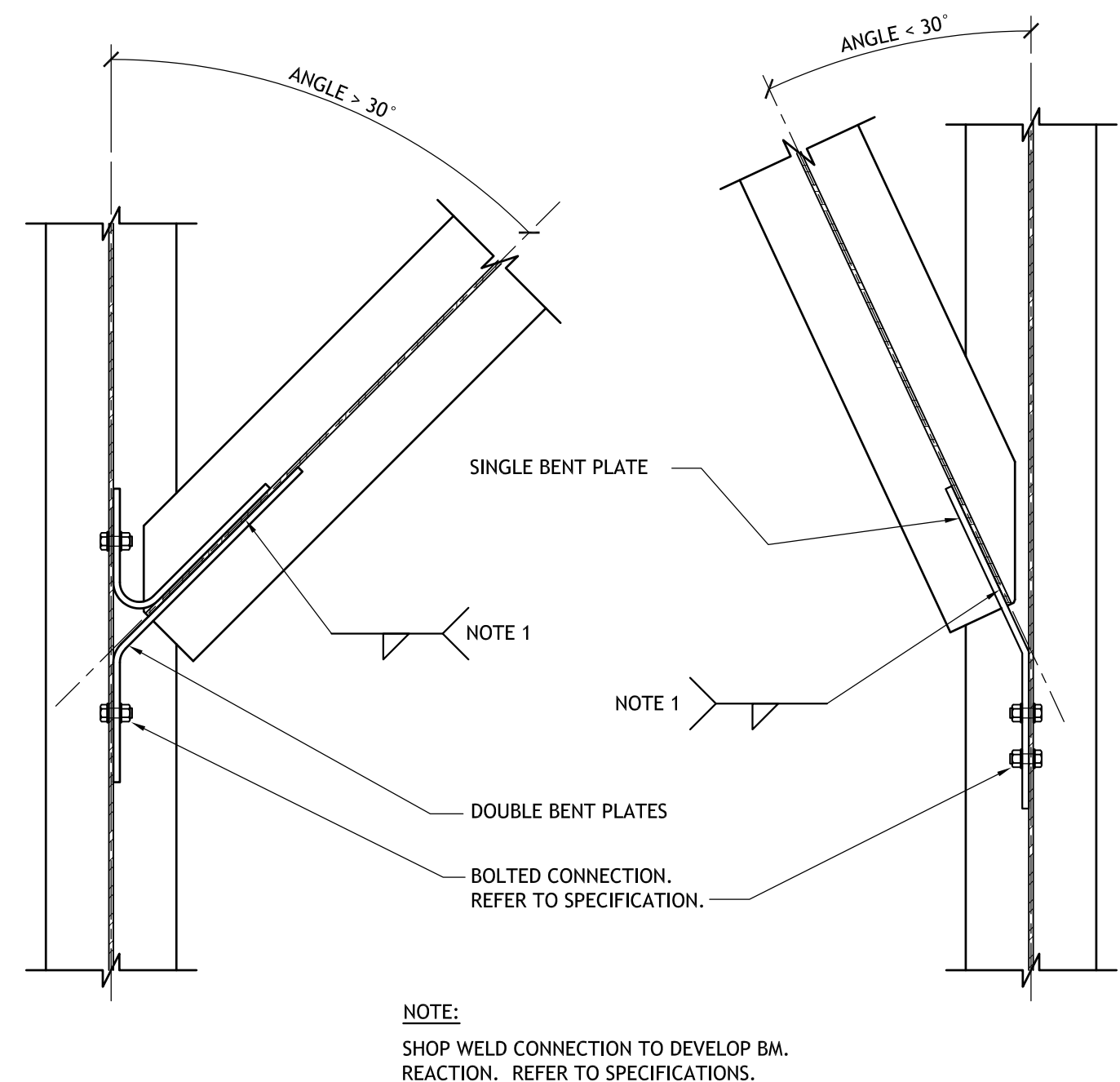
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REGIONAL DESIGN GROUP, LLC
 300 LAFAYETTE STREET, SUITE 200
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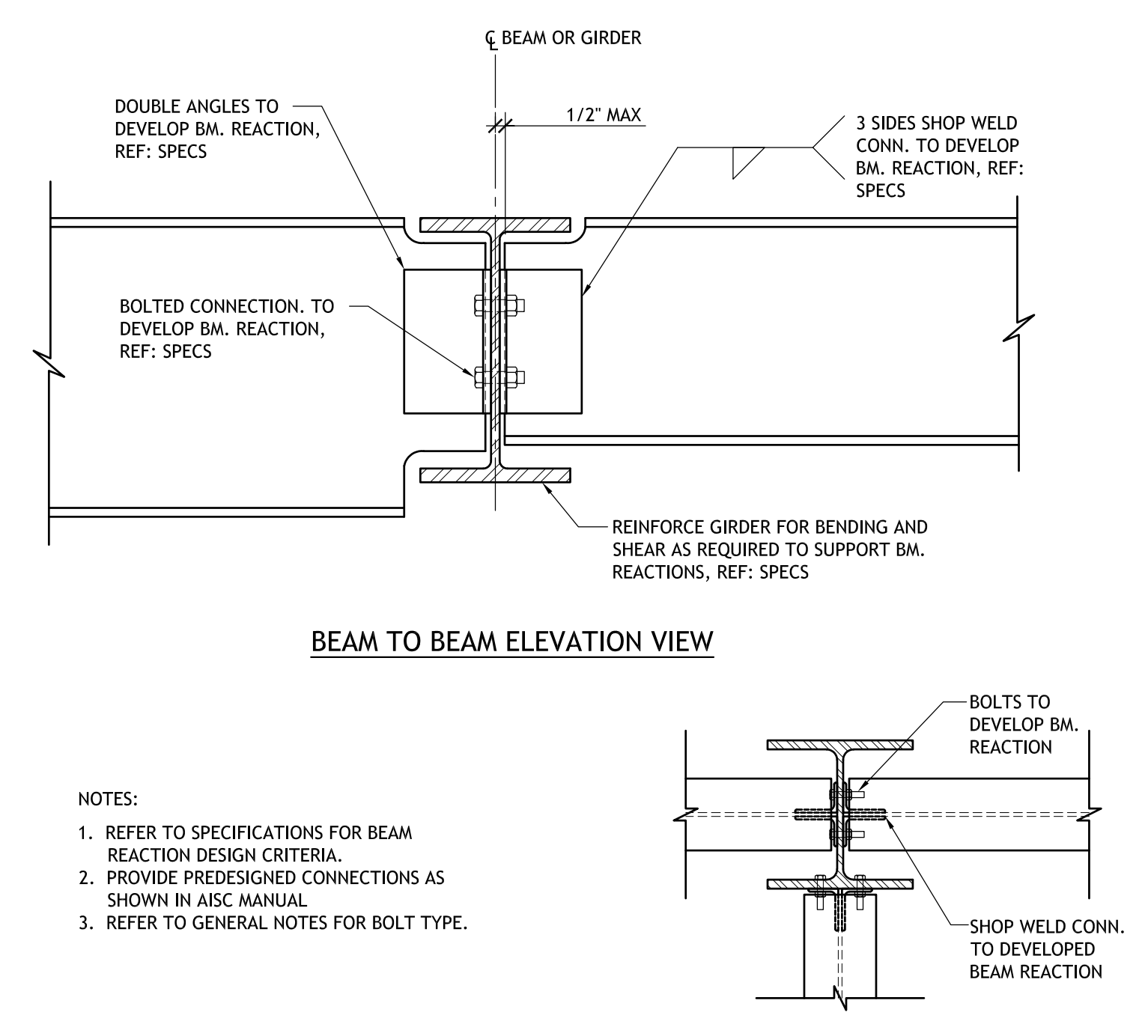
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TYPICAL FRAMING DETAILS

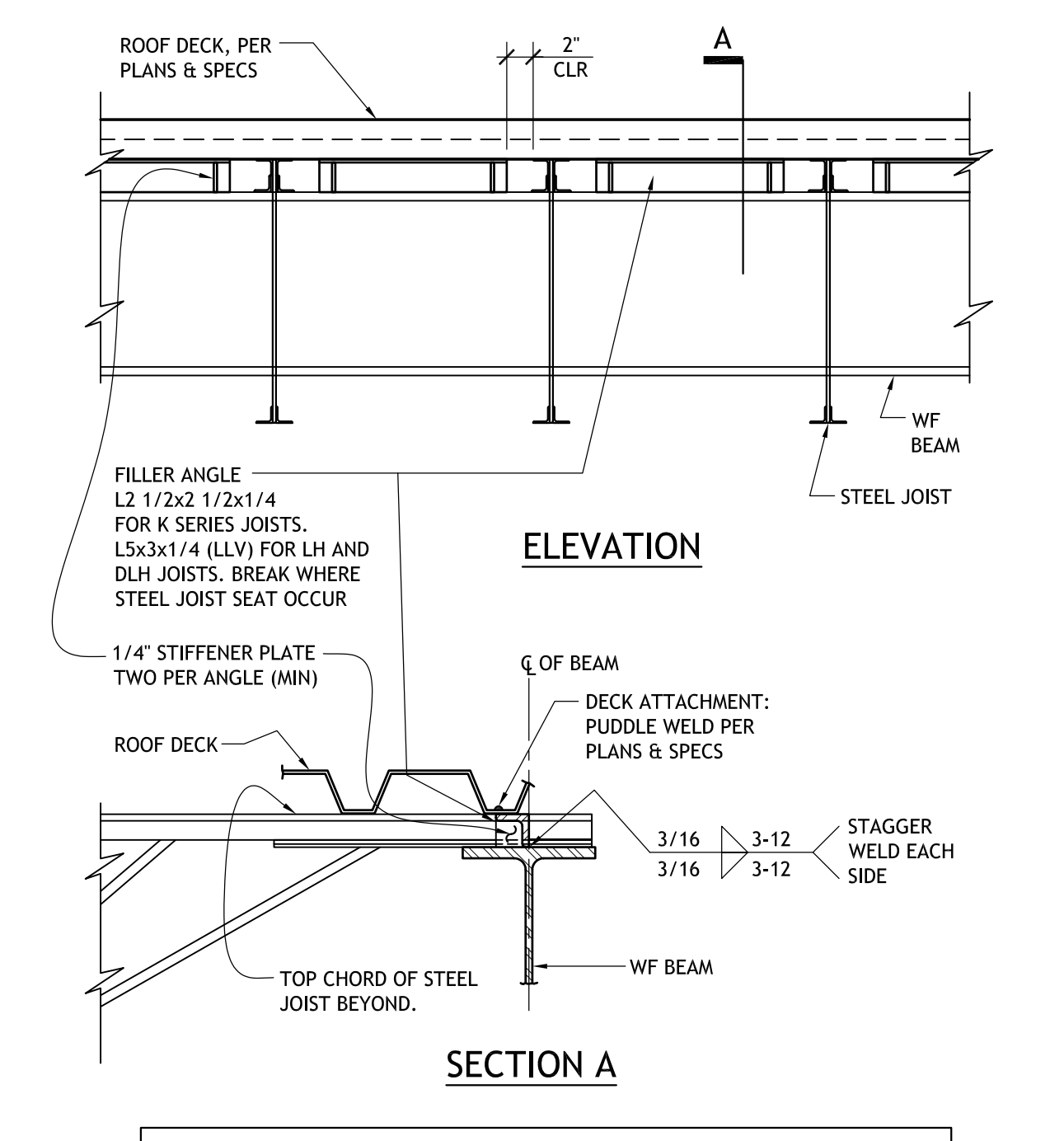
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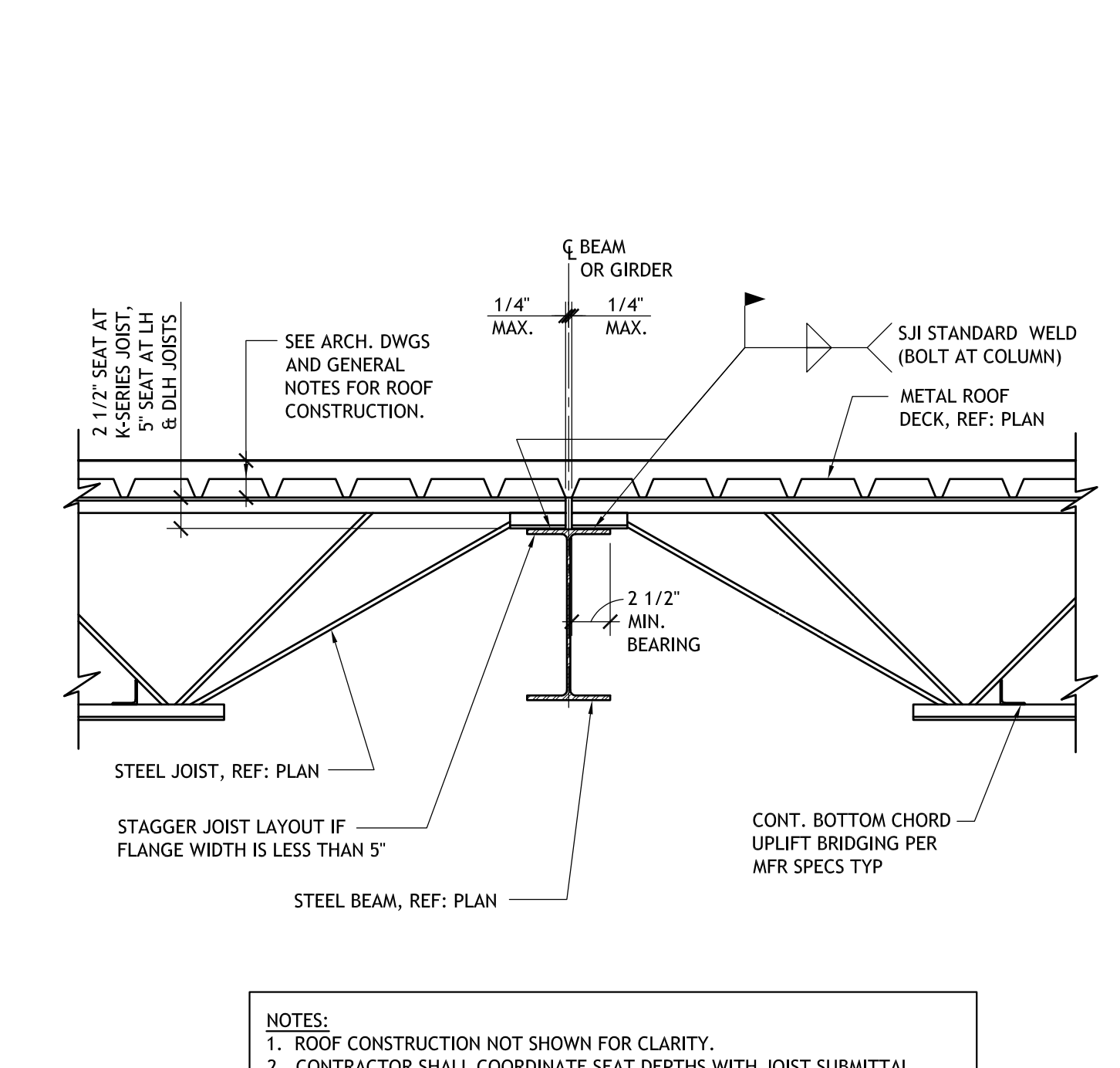
1 TYP. SKEWED BEAM TO BEAM SHEAR CONNECTION
S301 N.T.S.



2 TYPICAL DOUBLE ANGLE SHEAR CONNECTION
S301 N.T.S.



3 TYPICAL ROOF DECK DIAPHRAGM CONNECTION @ LATERAL BRACING
S301 1" = 1'-0"



4 TYP. ROOF JOIST SECTION
S301 N.T.S.

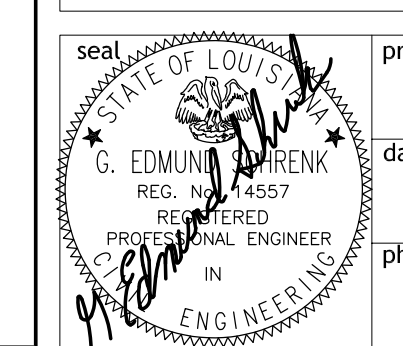
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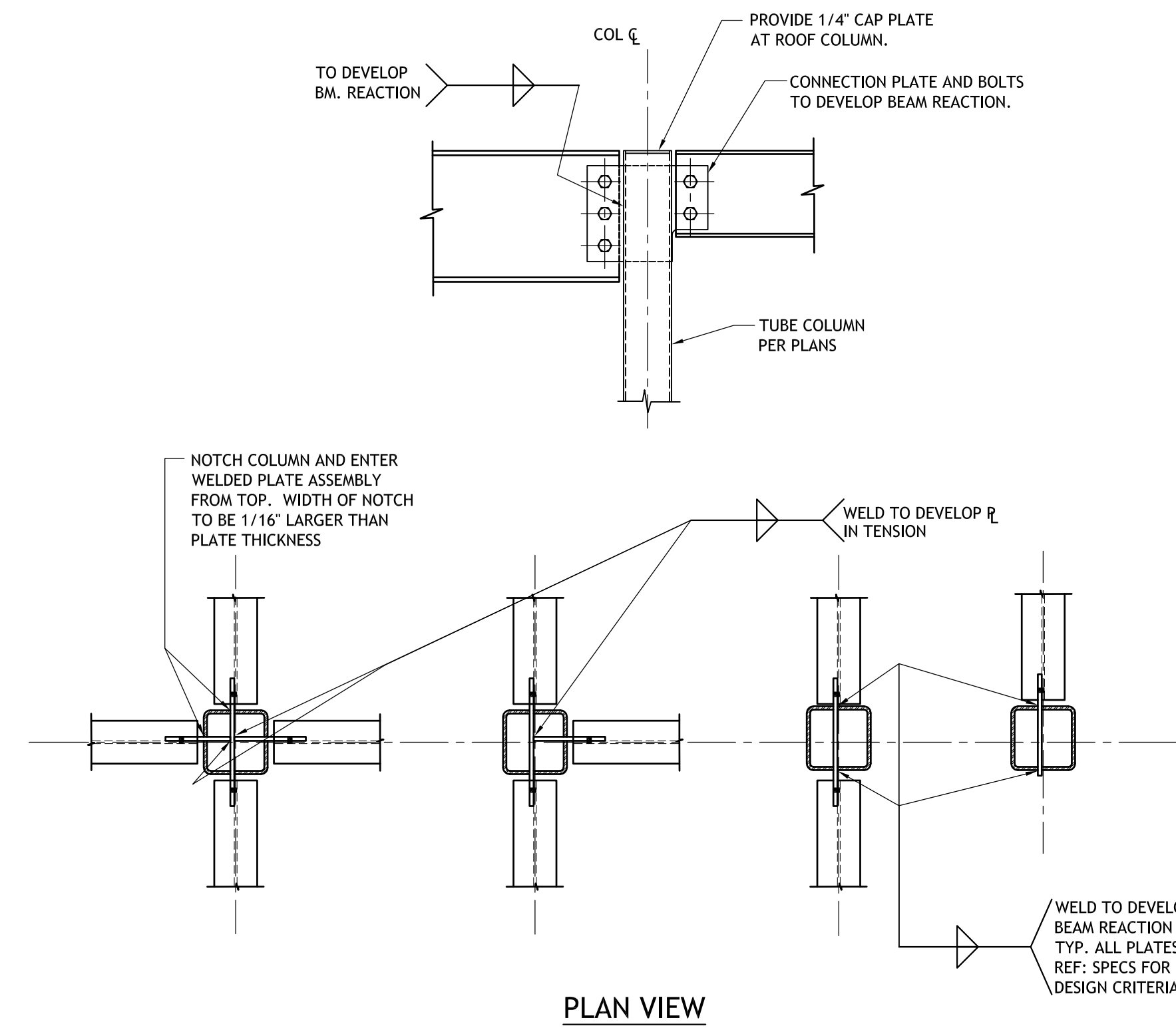
SIZELER THOMPSON BROWN ARCHITECTS
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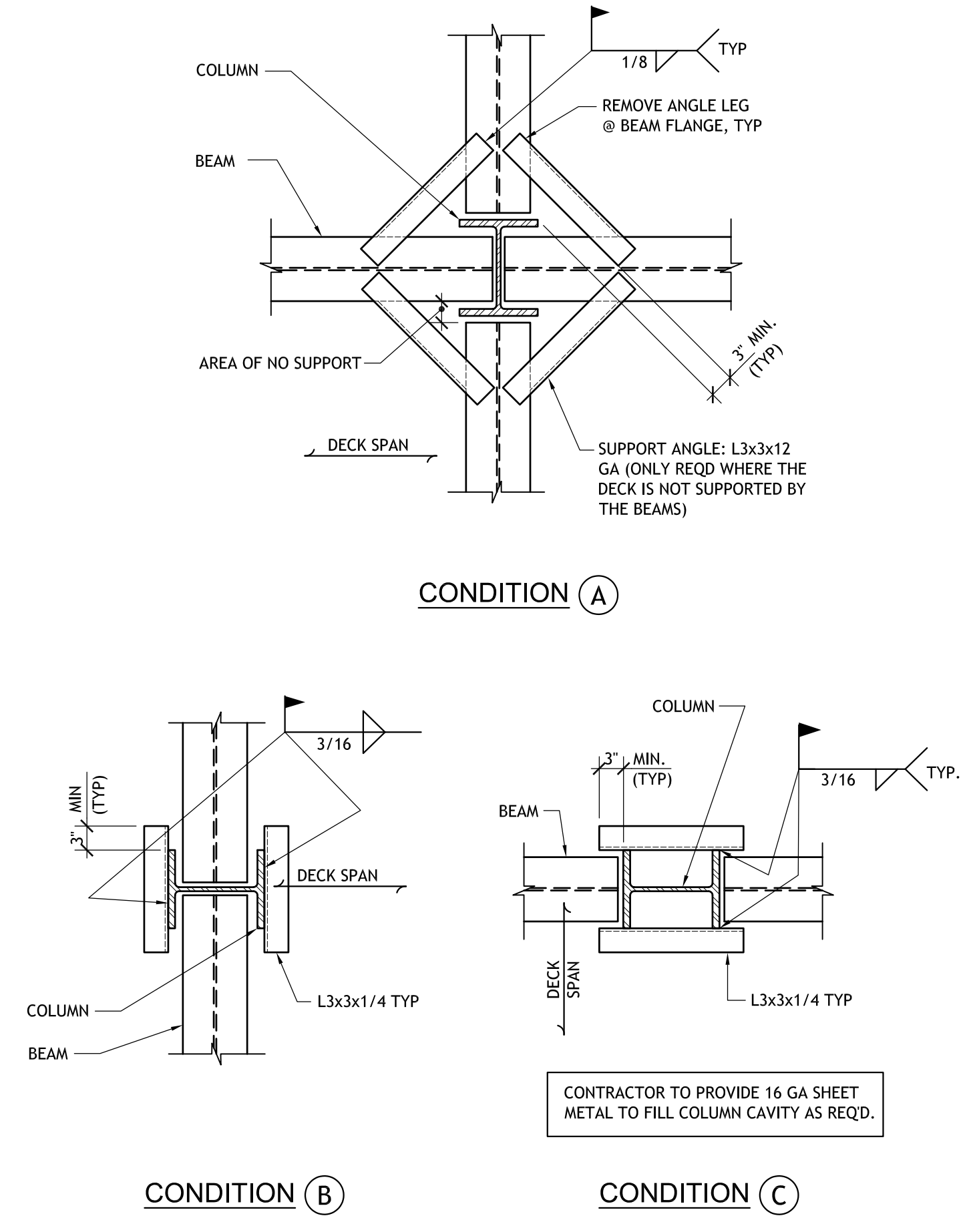
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date	11-27-19	phase	
phase	100% C.D.		

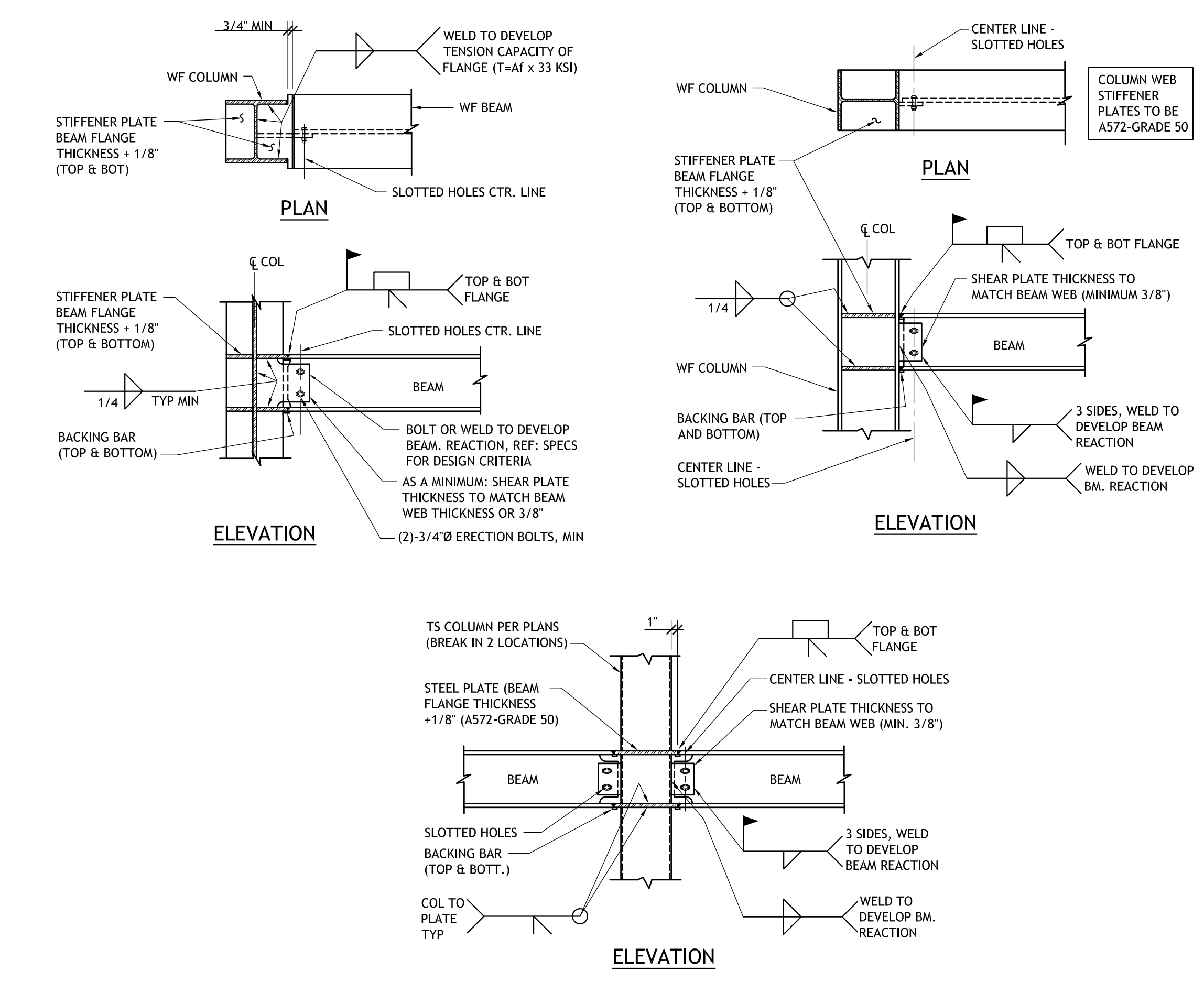




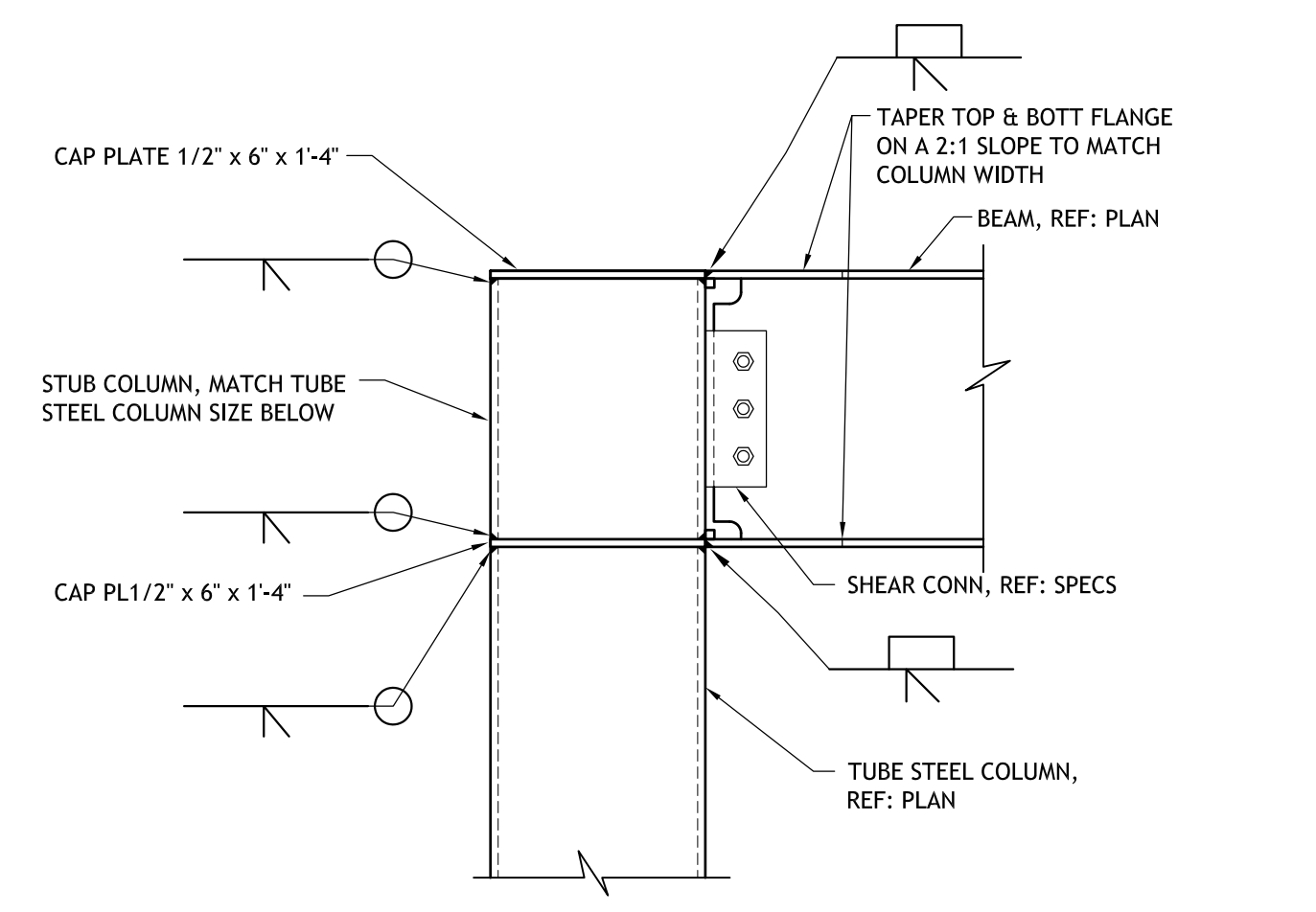
1 TYP. STEEL WIDE FLANGE BEAM CONNECTION TO TUBE COLUMNS
S302 N.T.S.



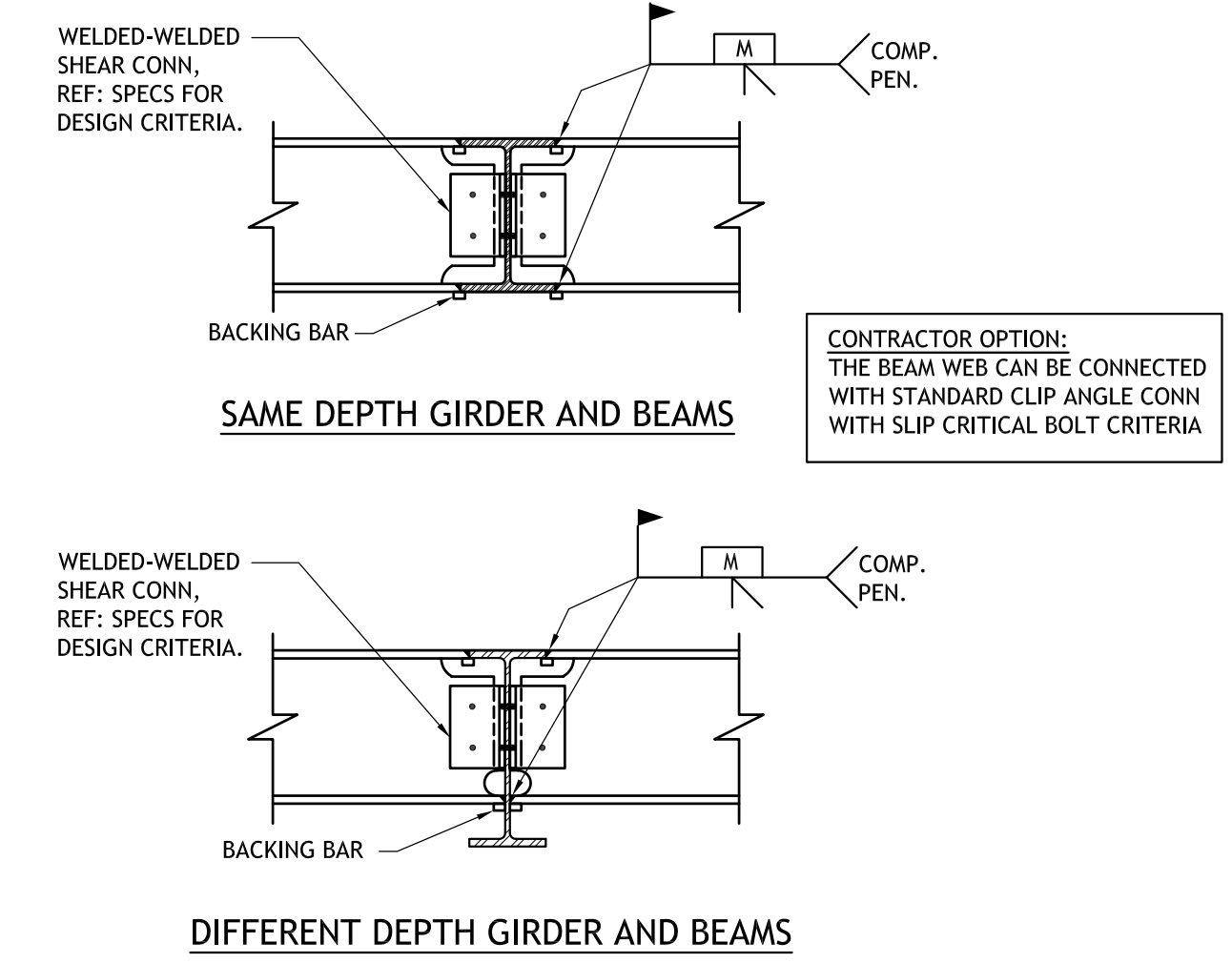
2 TYPICAL METAL DECK SUPPORT AT COLUMNS
S302 N.T.S.



3 TYP. COLUMN TO BEAM MOMENT CONNECTION DETAIL
S302 N.T.S.



4 WF BEAM TO HSS COL - MOMENT CONN.
S302 1"=1'-0"



5 TYP. BEAM TO BEAM MOMENT CONNECTION DETAIL
S302 N.T.S.

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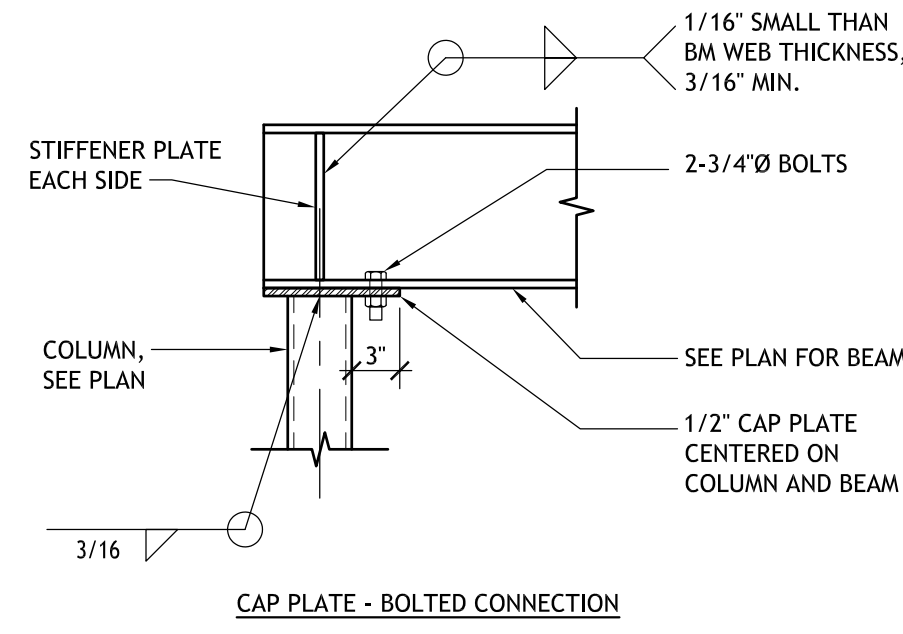
REVISIONS		
No.	DESCRIPTION	DATE

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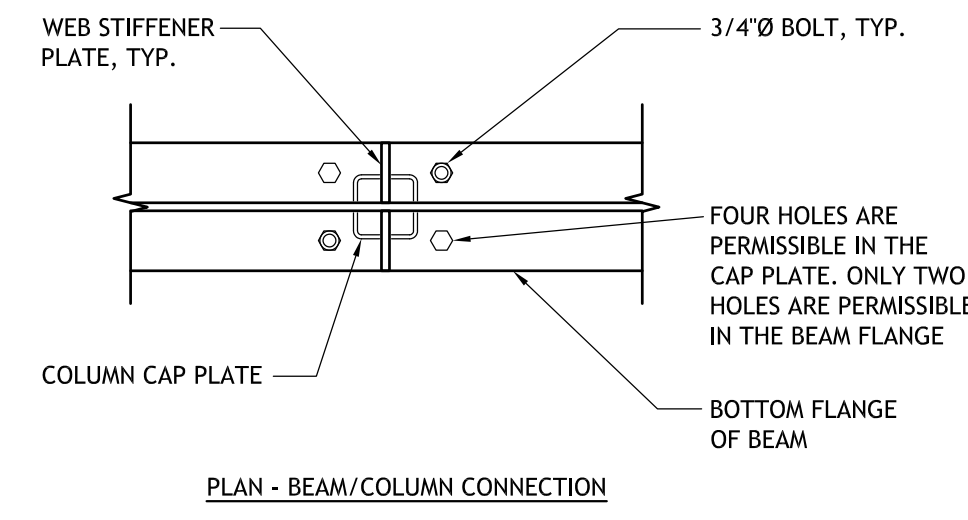
TYPICAL FRAMING DETAILS

	project number	21161.00	drawing number	S302
	date	11-27-19		
	phase	100% C.D.		

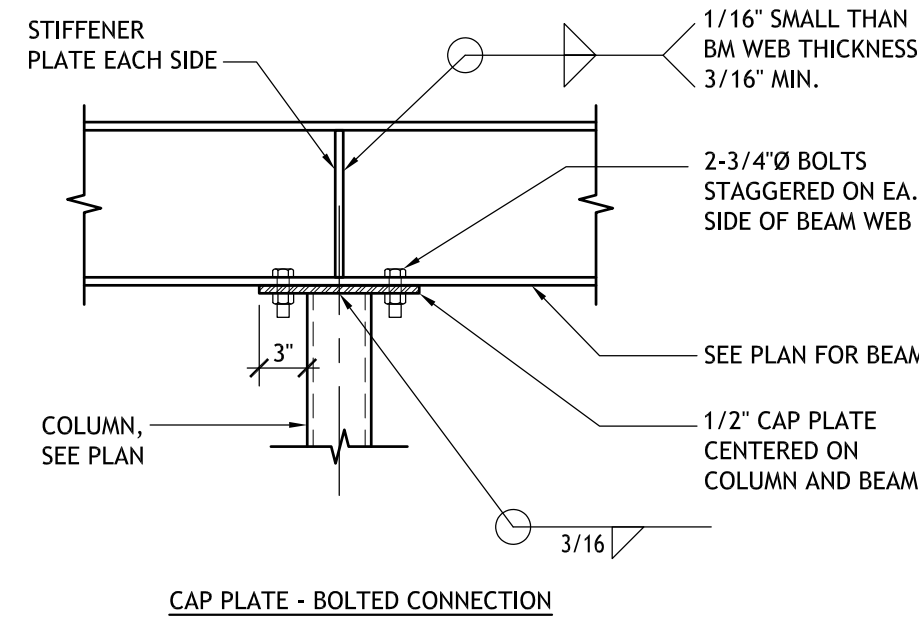
NOTES:
 1. SEE ROOF PLAN FOR ROOF SLOPE, SLOPE CAP PLATE ACCORDINGLY.
 2. STIFFENER PLATE SHALL BE EQUAL IN THICKNESS TO THE COLUMN WALL THICKNESS OR BEAM WEB THICKNESS, WHICHEVER IS GREATER.
 3. CONNECT INTERSECTING BEAMS TO STIFFENER PLATES USING BOLTS IN SINGLE SHEAR DESIGNED FOR ECCENTRIC BEAM REACTION.



1
S302.1

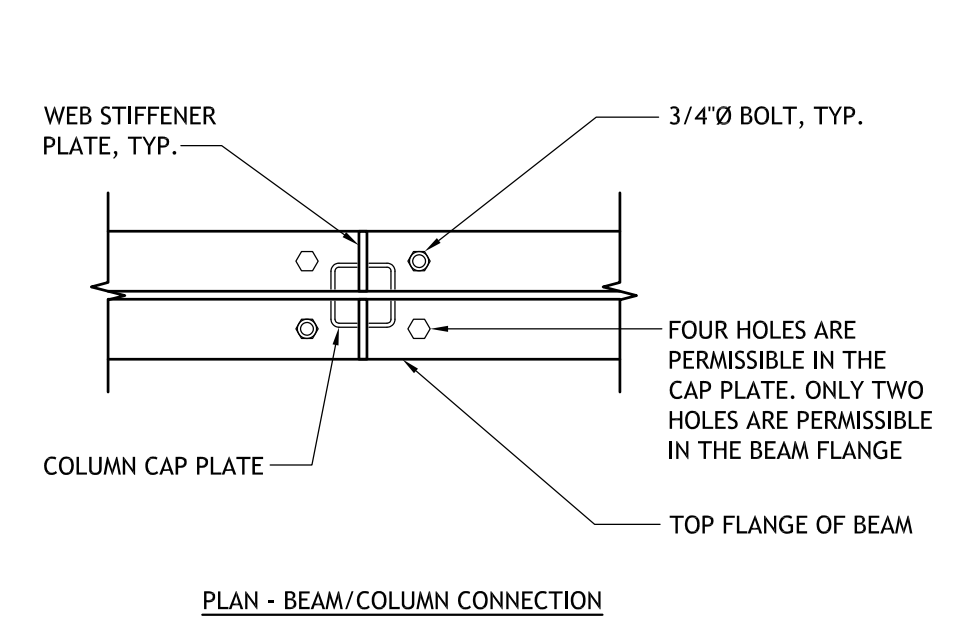
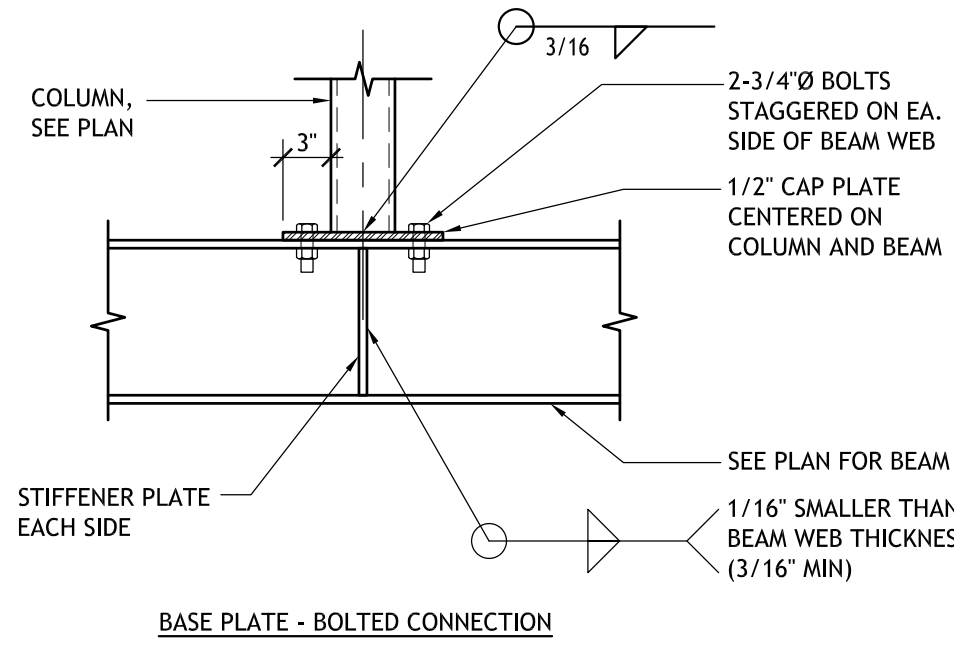


NOTES:
 1. SEE ROOF PLAN FOR ROOF SLOPE, SLOPE CAP PLATE ACCORDINGLY.
 2. STIFFENER PLATE SHALL BE EQUAL IN THICKNESS TO THE COLUMN WALL THICKNESS OR BEAM WEB THICKNESS, WHICHEVER IS GREATER.
 3. CONNECT INTERSECTING BEAMS TO STIFFENER PLATES USING BOLTS IN SINGLE SHEAR DESIGNED FOR ECCENTRIC BEAM REACTION.



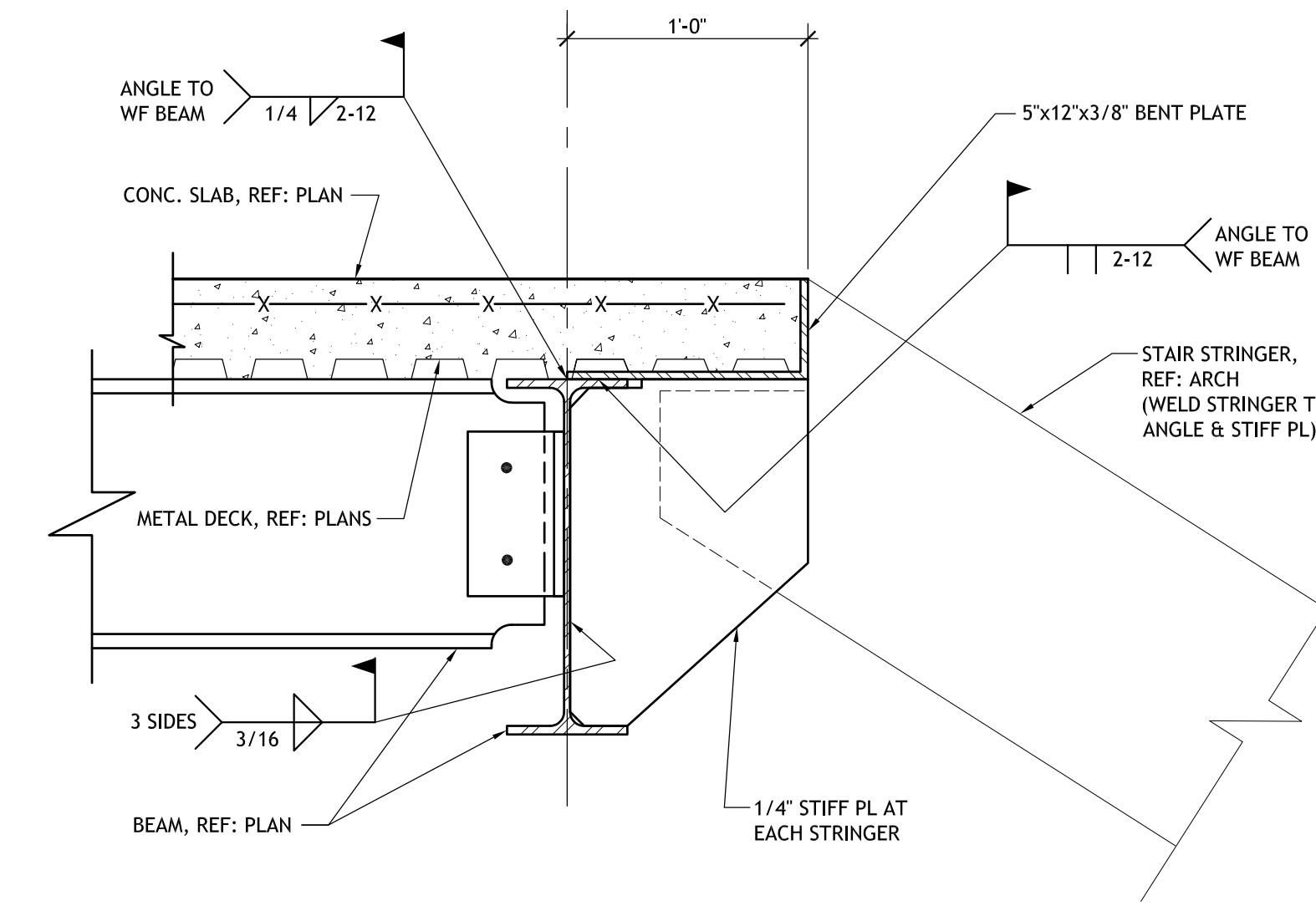
CAP PLATE - BOLTED CONNECTION

NOTES:
 1. STIFFENER PLATE SHALL BE EQUAL IN THICKNESS TO THE COLUMN WALL THICKNESS OR BEAM WEB THICKNESS, WHICHEVER IS GREATER.



PLAN - BEAM/COLUMN CONNECTION

TYPICAL TUBE COLUMN CONNECTION DETAILS
N.T.S.



2
S302.1

SECTION AT STAIR STRINGER
N.T.S.

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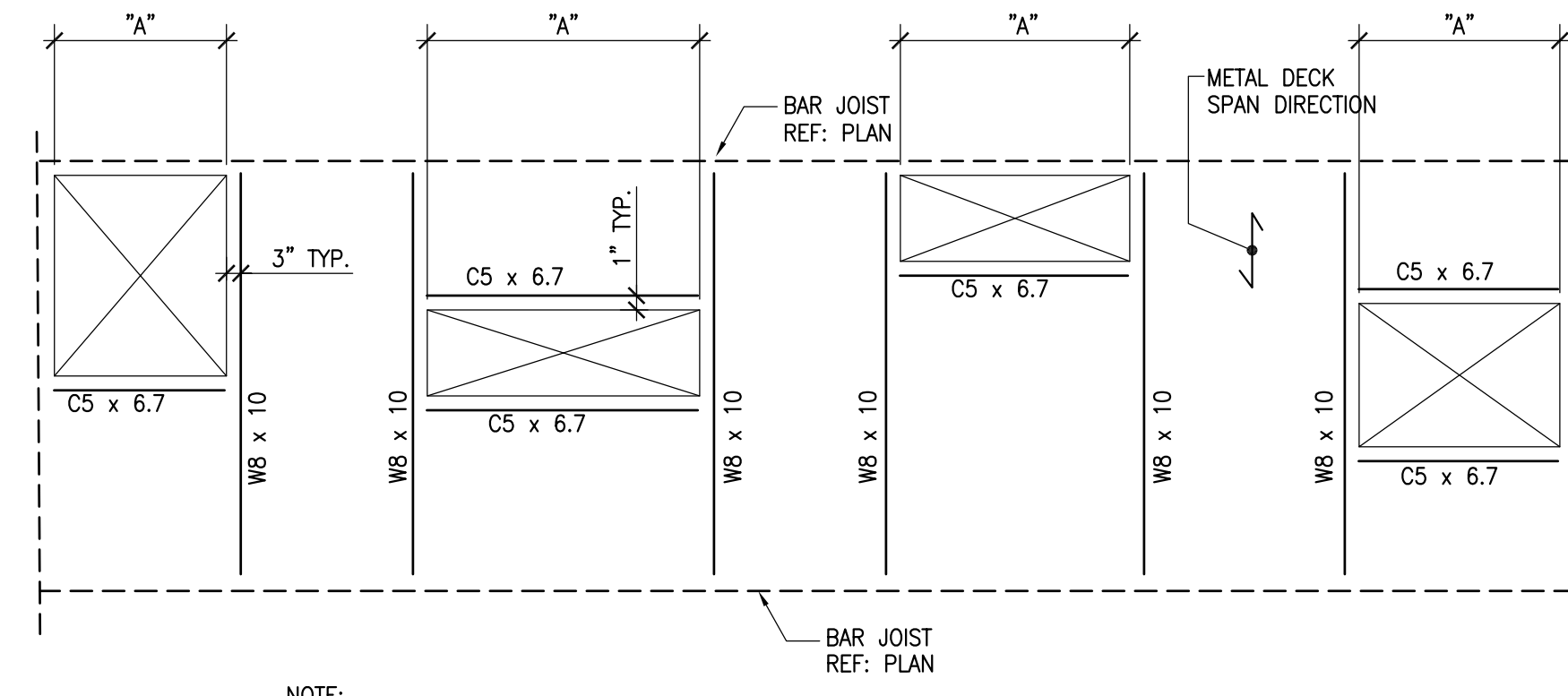
REVISIONS		
No.	DESCRIPTION	DATE

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FRAMING DETAILS

	project number	21161.00	drawing number	S302.1
	date	11-27-19		
	phase	100% C.D.		

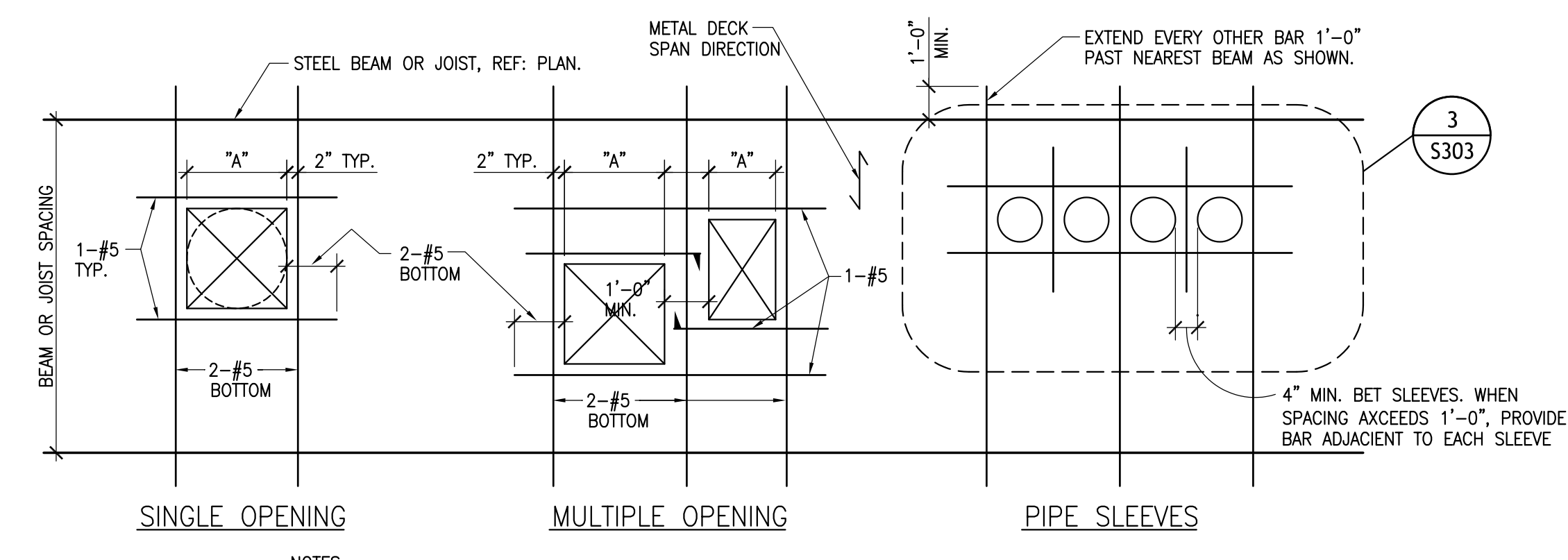
"A" = OPENING DIMENSION IN THE DIRECTION PERPENDICULAR TO DECK SPAN. USE THIS DETAIL FOR 4'-0" < "A" ≤ 6'-0"



- NOTE:
- COORDINATE OPENING SIZE AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
 - DETAIL SHOWS TYPICAL OPENING CONFIGURATIONS. VERIFY FRAMING WITH ENGINEER FOR SPECIAL CASES.
 - REFER TO ENGINEER FOR FRAMING IF DIMENSION "A" EXCEEDS 6'-0".
 - DECK MANUFACTURER TO PROVIDE 14 GAGE METAL DECK EDGE CLOSURE AROUND EACH OPENING UNLESS DETAILED OTHERWISE.

1 TYP. FRAMED OPENINGS AT COMPOSITE METAL DECK
S303 WHERE 4'-0" < "A" < 6'-0" N.T.S.

"A" = OPENING DIMENSION IN THE DIRECTION PERPENDICULAR TO DECK SPAN. USE THIS DETAIL FOR "A" LESS THAN 4'-0"
NOTE: WHEN SPACING BETWEEN MULTIPLE OPENINGS IS GREATER THAN 4'-0", REINF. SHOULD BE PLACED AS SHOWN IN SINGLE OPENING CONDITION.

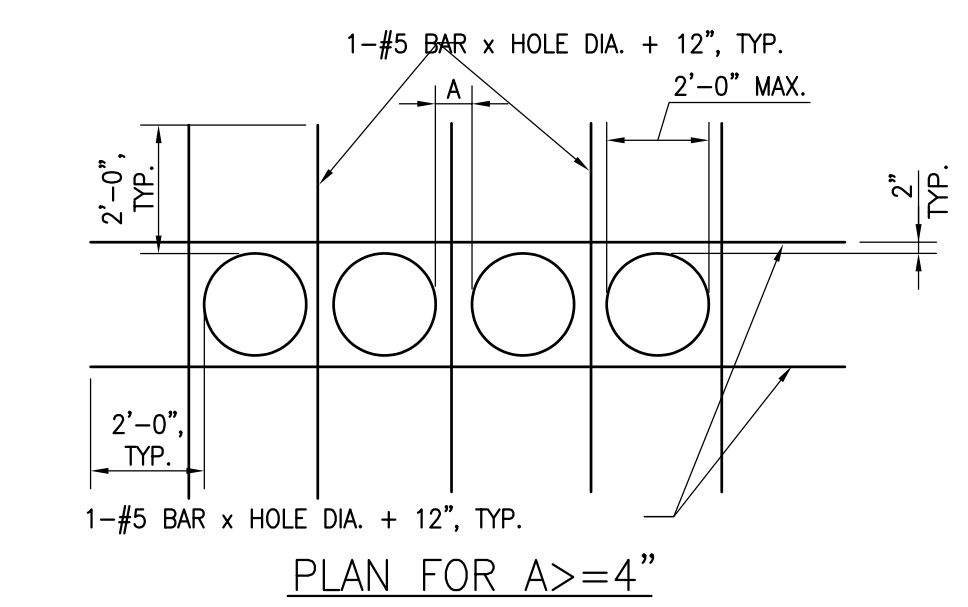


- NOTE:
- COORDINATE OPENING SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
 - MAXIMUM DIMENSION "A" SHALL BE 4'-0". REFER TO PLAN OR DETAIL ON DRAWINGS FOR FRAMING OF OPENINGS GREATER THAN 4'-0".
 - WWF SLAB REINFORCEMENT SHALL BE CUT AROUND SLAB OPENING. WWF SHALL EXTEND TO WITHIN 2" OF OPENING ON ALL SIDES.
 - OPENINGS 5" AND SMALLER THAT DO NOT CUT WWF REINFORCING, DO NOT REQUIRE ADDITIONAL REINFORCEMENT.
 - FIELD CUT OPENINGS IN DECK AFTER CONCRETE SLAB HAS BEEN POURED AND HAS ATTAINED MINIMUM 75% OF ITS SPECIFIED 28 DAY COMPRESSIVE STRENGTH. REINFORCEMENT PERPENDICULAR TO DECK SPAN SHALL BE PLACED ON TOP OF DECK FLUTES.
 - REINFORCEMENT PARALLEL TO DECK SPAN SHALL BE PLACED IN THE LOWER FLUTE AND SHALL BE CHAIRC TO PROVIDE 1" COVER FROM BOTTOM.
 - THIS DETAIL SHOWS TYPICAL CONDITIONS. VERIFY REINFORCING STEEL PLACEMENT WITH ENGINEER FOR SPECIAL CASES.
 - PROVIDE REINFORCEMENT AS SHOWN FOR SQUARE, RECTANGULAR OR ROUND OPENINGS IN CONCRETE SLAB UNSUPPORTED BY STEEL BEAMS AROUND OPENING PERIMETER.

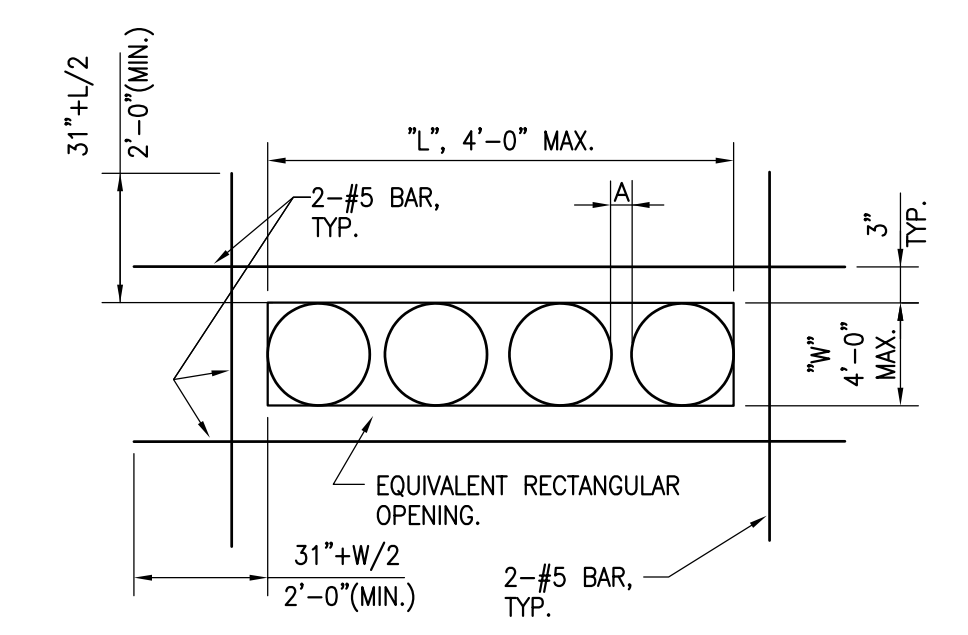
2 TYP. SLAB OPENINGS AT COMPOSITE METAL DECK
S303 WHERE "A" < 4'-0" N.T.S.

NOTES:

- WHERE CLEAR SPACING BETWEEN ADJACENT SLEEVES IS LESS THAN 4", THE SLEEVE GROUP SHALL BE TREATED AS AN EQUIVALENT RECTANGULAR OPENING WITH LENGTH "L" AND WIDTH "W" AS SHOWN.
- REINFORCEMENT SHOWN IS ADDITIONAL TO SCHEDULED SLAB REINFORCEMENT.
- SCHEDULED SLAB MESH REINFORCEMENT MAY BE CUT AS REQUIRED TO MISS PIPE SLEEVES.
- REFER TO MECHANICAL DRAWINGS FOR LOCATION AND SIZE OF SLEEVES.
- ISOLATED PIPE SLEEVES THAT ARE SMALLER THAN 5" AND DO NOT INTERRUPT REINFORCING, DO NOT REQUIRE ADDITIONAL REINF.
- THIS DETAIL SHOULD NOT BE USED FOR OPENING GROUPS WITH DIAMETERS LARGER THAN 12".
- REINFORCEMENT PERPENDICULAR TO DECK SPAN SHALL BE PLACED ON TOP OF DECK FLUTES. REINFORCEMENT PARALLEL TO DECK SPAN SHALL BE PLACED IN THE LOWER FLUTE AND SHALL BE CHAIRC TO PROVIDE 1" COVER.

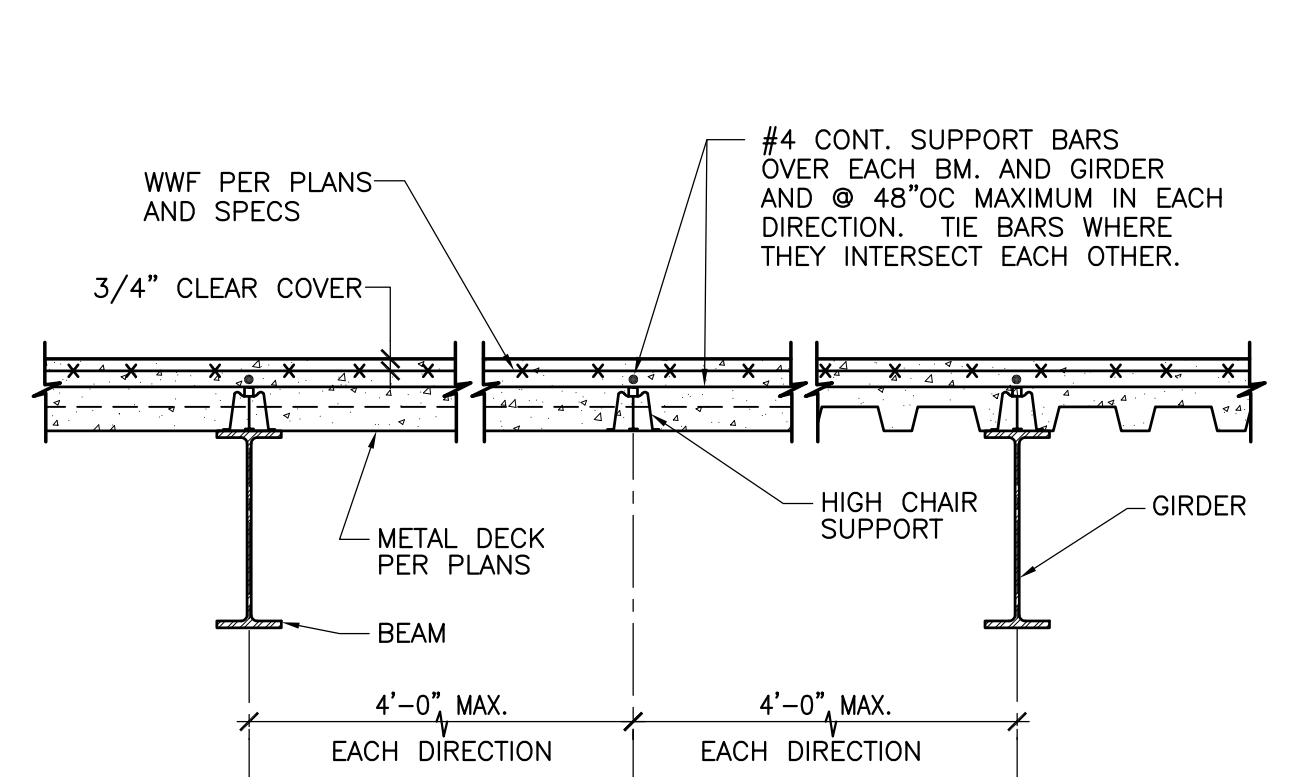


PLAN FOR A ≥ 4"



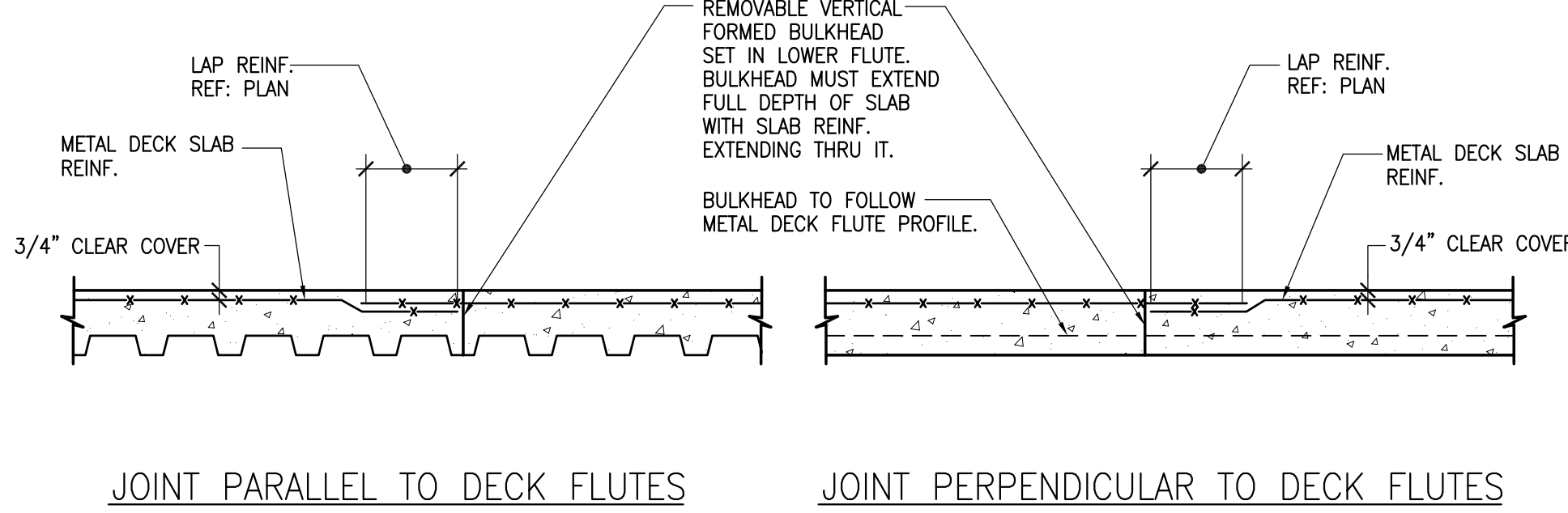
PLAN FOR A < 4"

3 TYP. ADDL REINF. AROUND PIPE SLEEVES AT COMPOSITE METAL DECK
S303 N.T.S.



- NOTE:
- REF: GENERAL NOTES & SPECS FOR METAL DECK SLAB REINFORCEMENT.
 - PROVIDE CONTINUOUS #4 REINFORCING BAR SUPPORTS OVER EACH BEAM, GIRDER AND AT 48" ON CENTER MAXIMUM IN EACH DIRECTION. THE #4 BARS TOGETHER AND PROVIDE HIGH CHAIR SUPPORT AT EACH INTERSECTION POINT. CHAIRS SHALL BE MANUFACTURED FOR SUPPORT ON METAL DECK (CRS TYPE HW). THE METAL DECK SLAB REINFORCEMENT TO SUPPORT BARS AT 48" ON CENTER IN EACH DIRECTION.

4 TYP. WELDED FIRE FABRIC SUPPORT AT COMPOSITE METAL DECK
S303 N.T.S.



- NOTE:
- CONSTRUCTION JOINTS PARALLEL TO DECK FLUTES SHALL BE LOCATED NO CLOSER THAN 5'-0" FROM THE CENTERLINE OF THE NEAREST GIRDER.
 - CONSTRUCTION JOINTS PERPENDICULAR TO DECK FLUTES SHALL BE LOCATED AT THE CENTER OF THE METAL DECK SPAN.
 - AT CONTRACTOR'S OPTION, PREFORMED PERMANENT METAL SHEAR KEY FOLLOWING CONTOUR OF METAL DECK FLUTES MAY BE USED WITH SLAB REINFORCEMENT STOPPING EACH SIDE AND #3 DOWELS x 2'-0" CENTERED AT 18" o.c.

5 TYP. CONSTRUCTION JOINT AT COMPOSITE METAL DECK
S303 N.T.S.

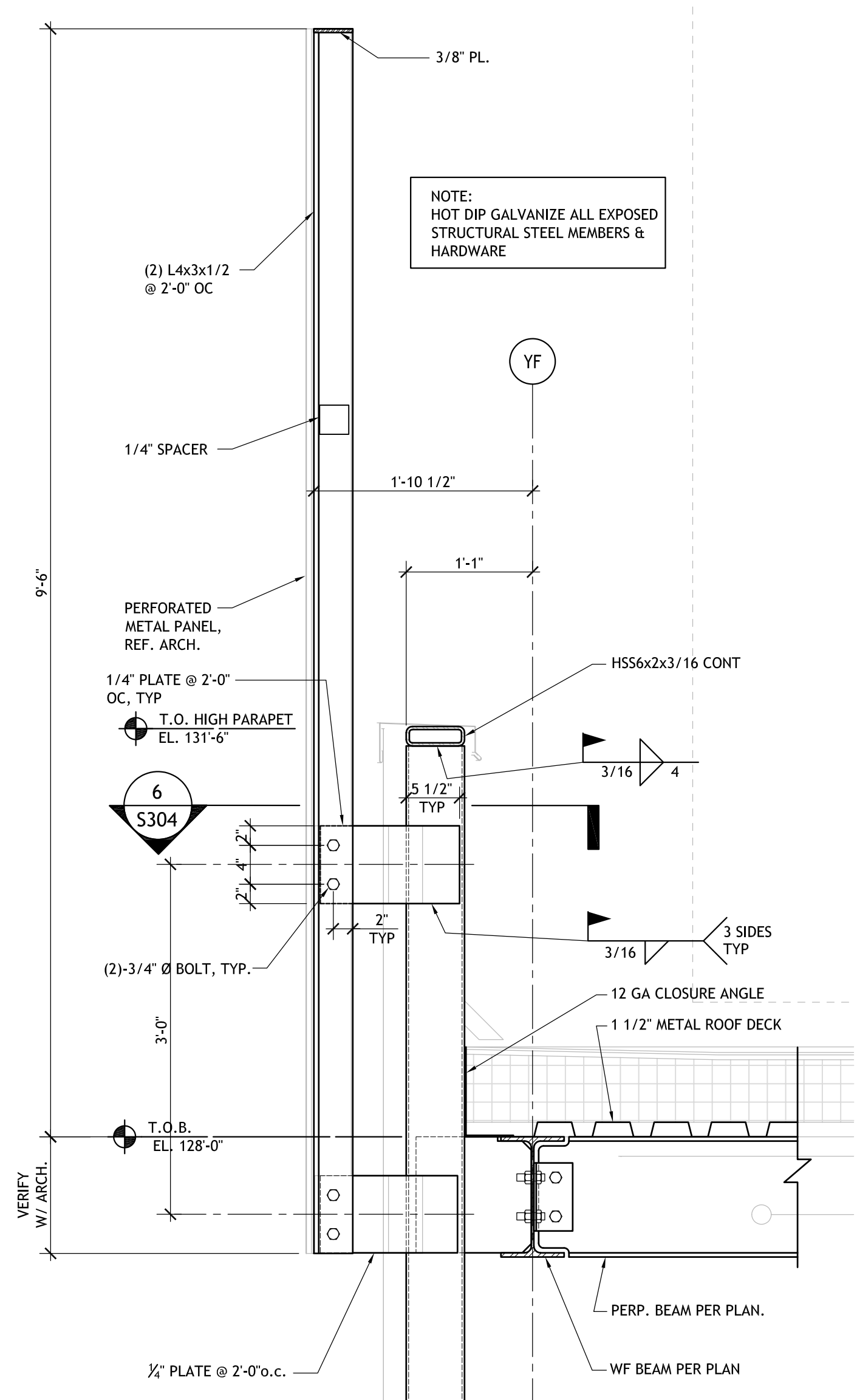
SIZELER THOMPSON BROWN ARCHITECTS
REGIONAL DESIGN GROUP, LLC
300 LAFAYETTE STREET, SUITE 200
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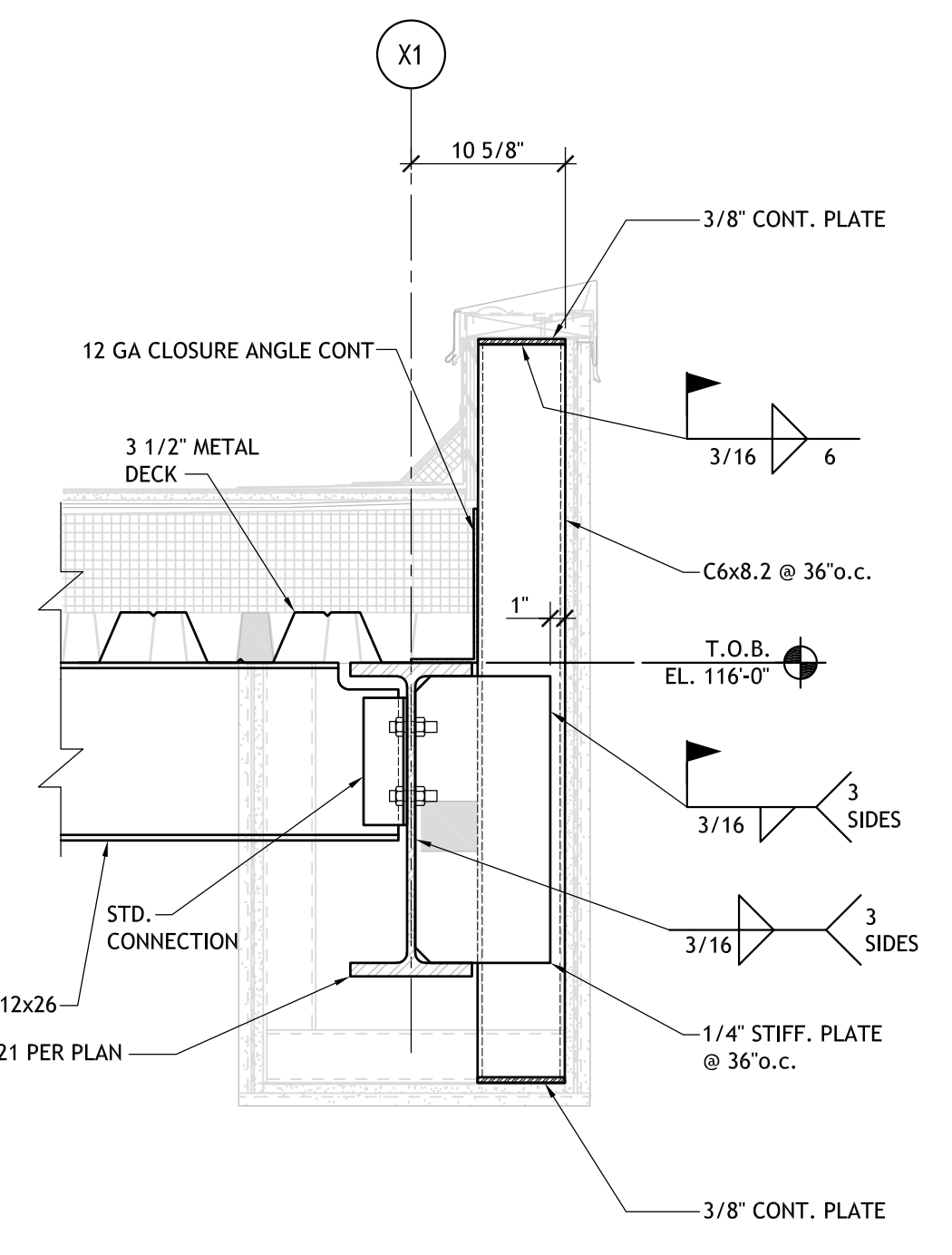
TYPICAL COMPOSITE DECK DETAILS

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	date	11-27-19		
	phase	100% C.D.		

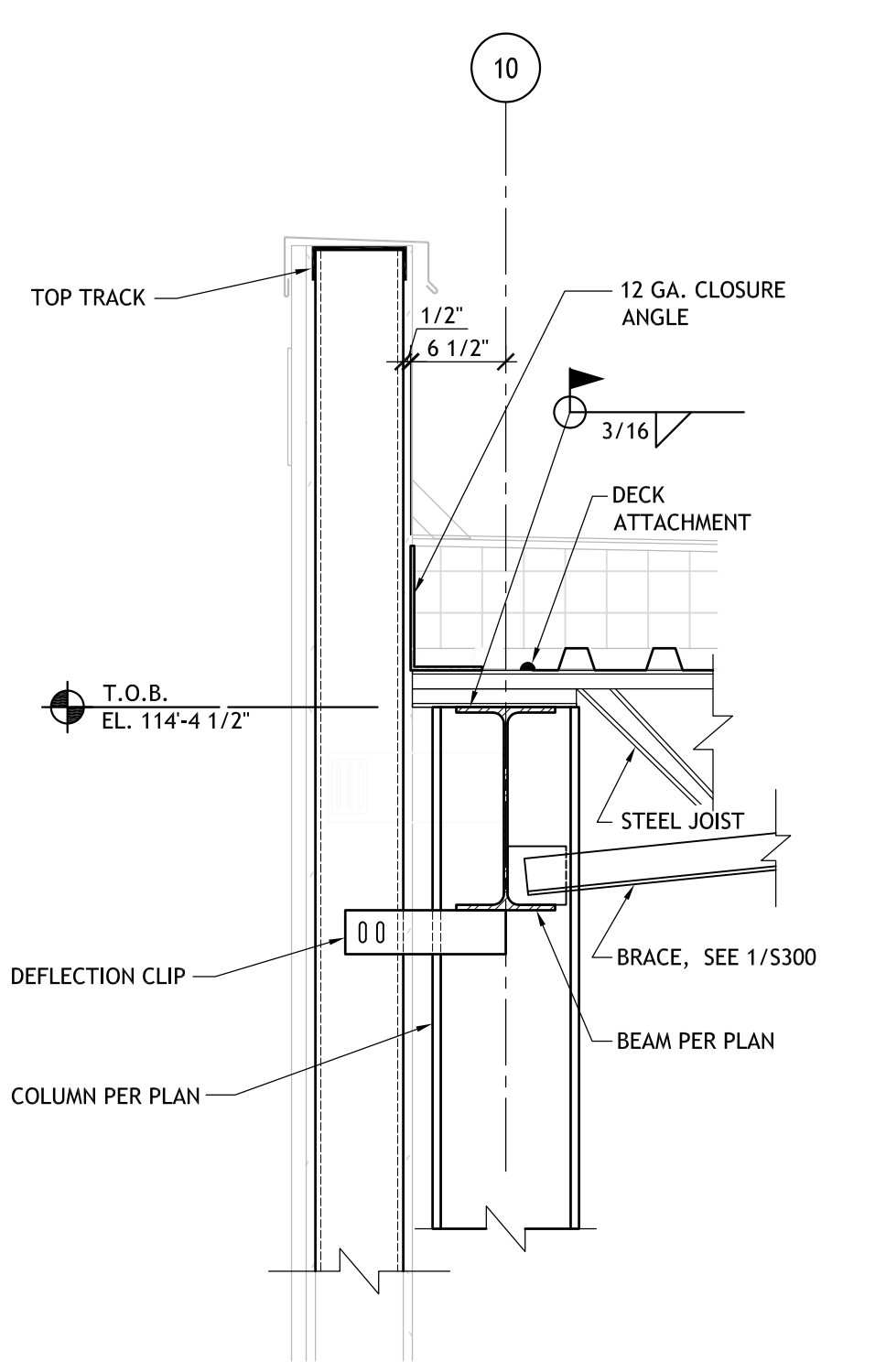


NOTE:
HOT DIP GALVANIZE ALL EXPOSED
STRUCTURAL STEEL MEMBERS &
HARDWARE

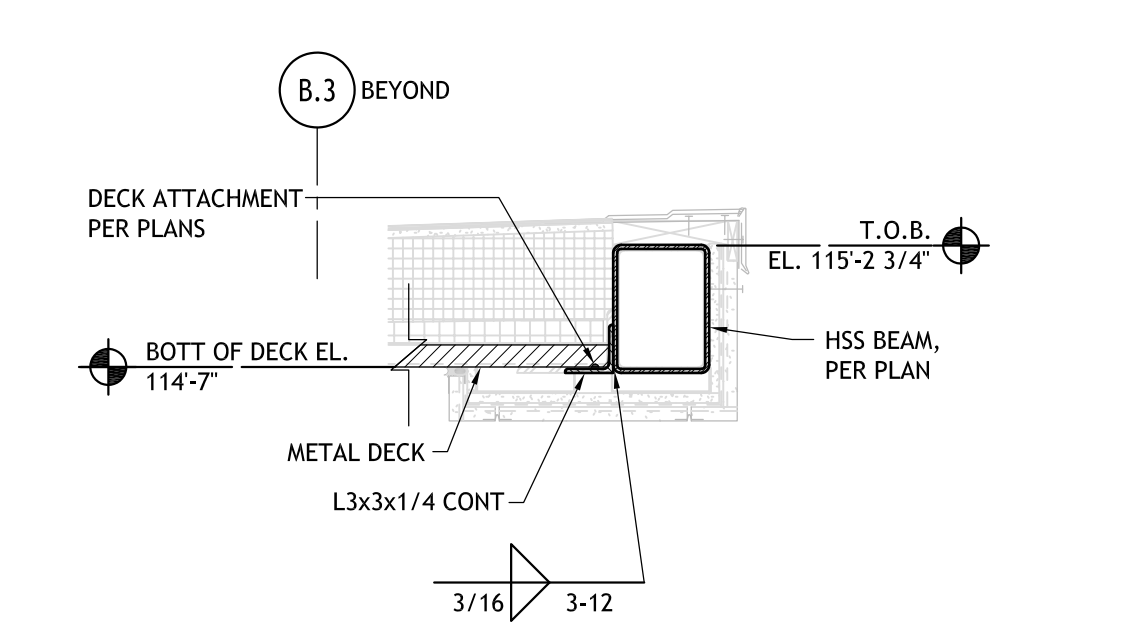
1
S304
DETAIL AT ROOF SCREEN
1" = 1'-0"



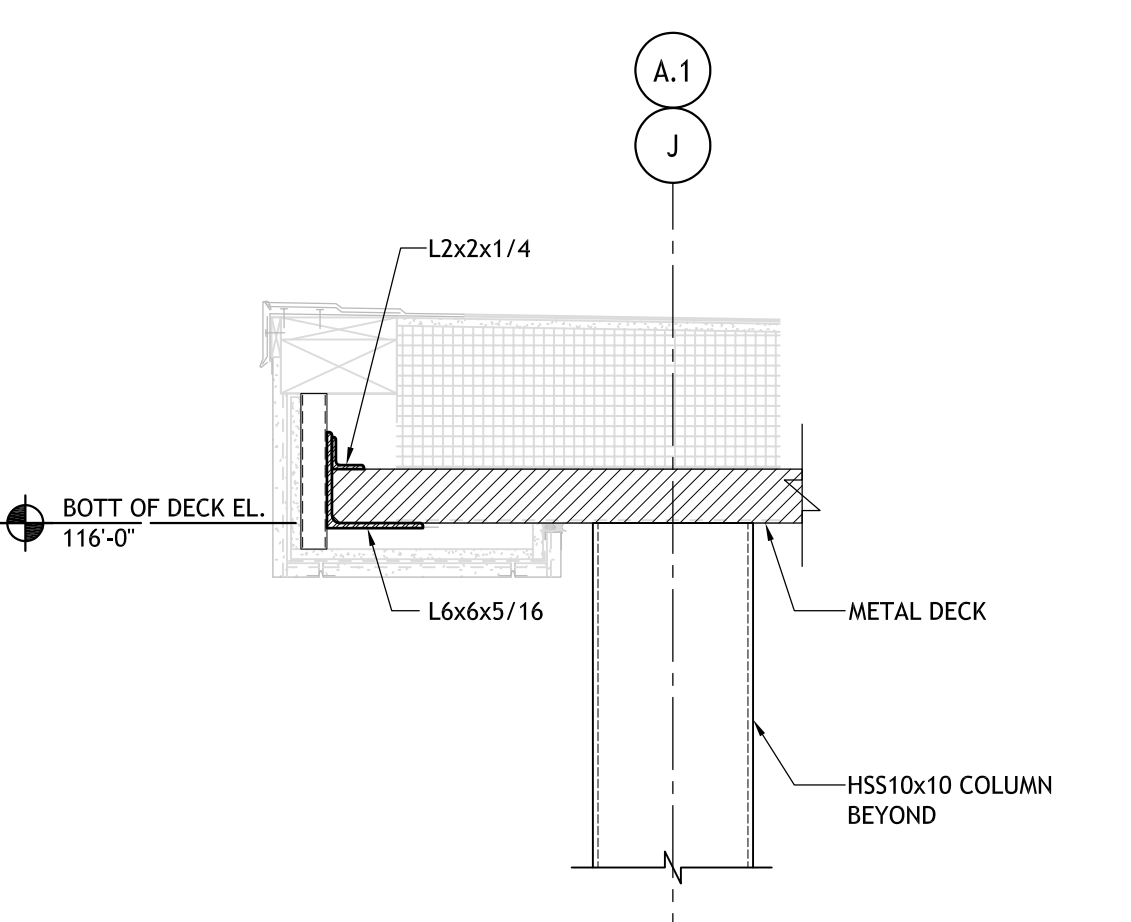
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S304
FRONT ENTRANCE ROOF DETAIL
1" = 1'-0"



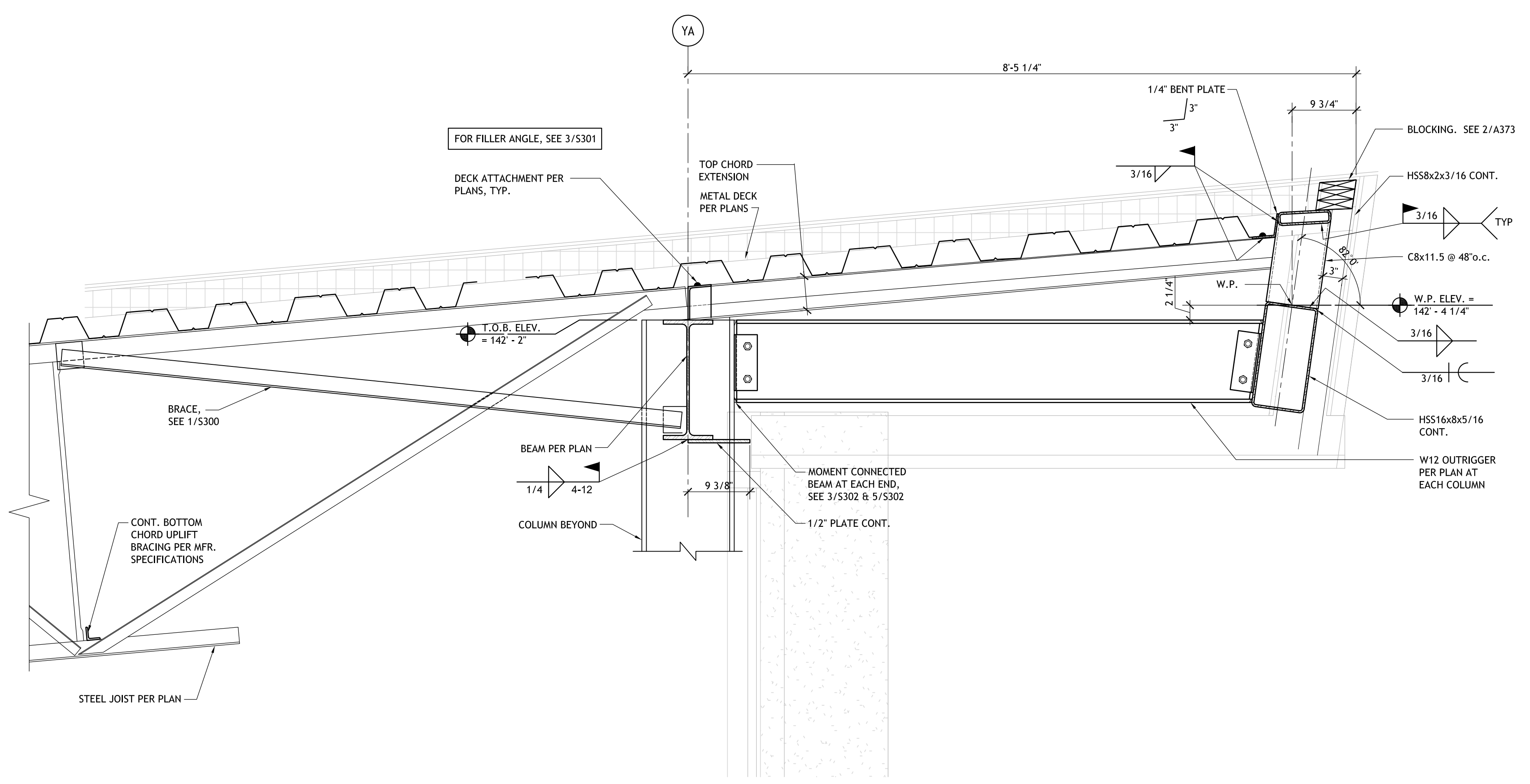
3
S304
PARAPET DETAIL
1" = 1'-0"



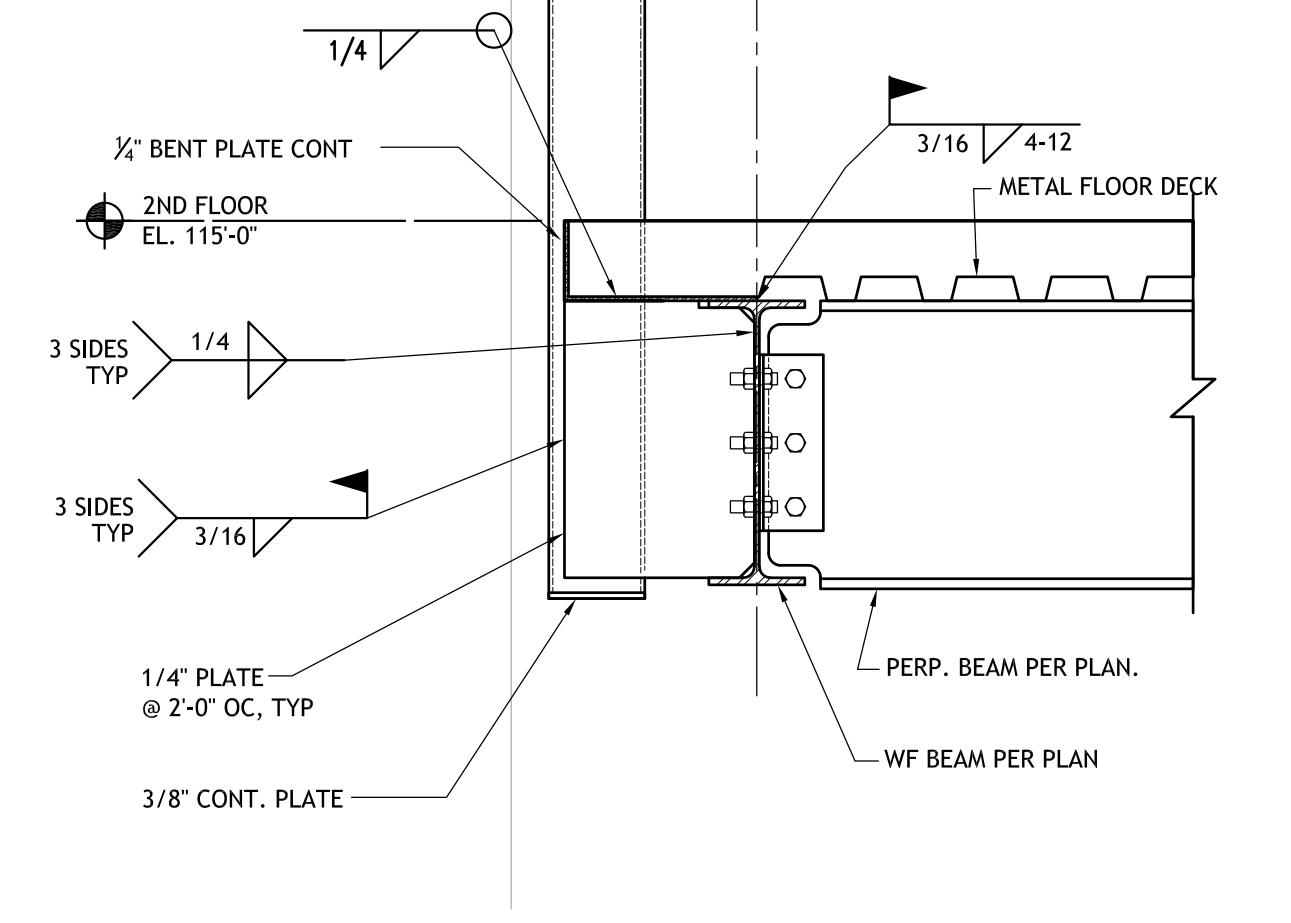
4
S304
ROOF DETAIL
1" = 1'-0"



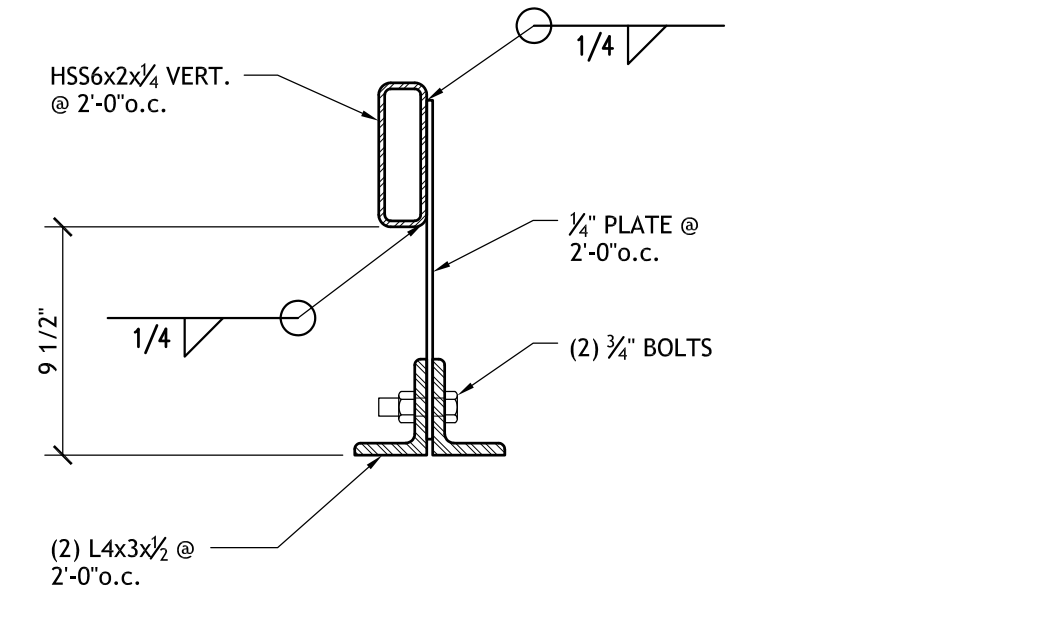
4A
S304
DETAIL AT N.E. STAIR PARAPET
1" = 1'-0"



5
S304
ROOF DETAIL
1" = 1'-0"



1
S304
DETAIL AT ROOF SCREEN
1" = 1'-0"



6
S304
ROOF SCREEN CONNECTION DETAIL
1 1/2" = 1'-0"

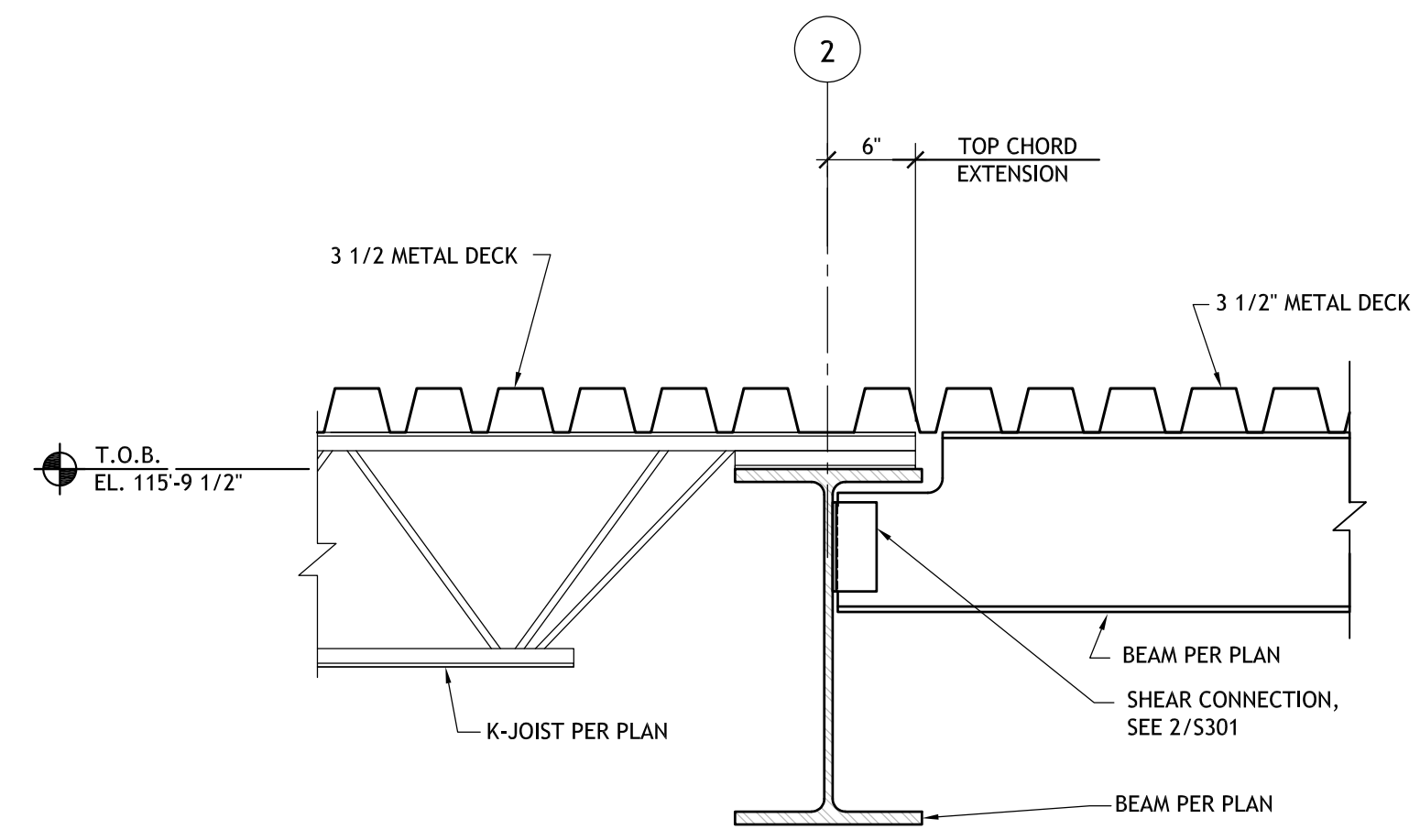
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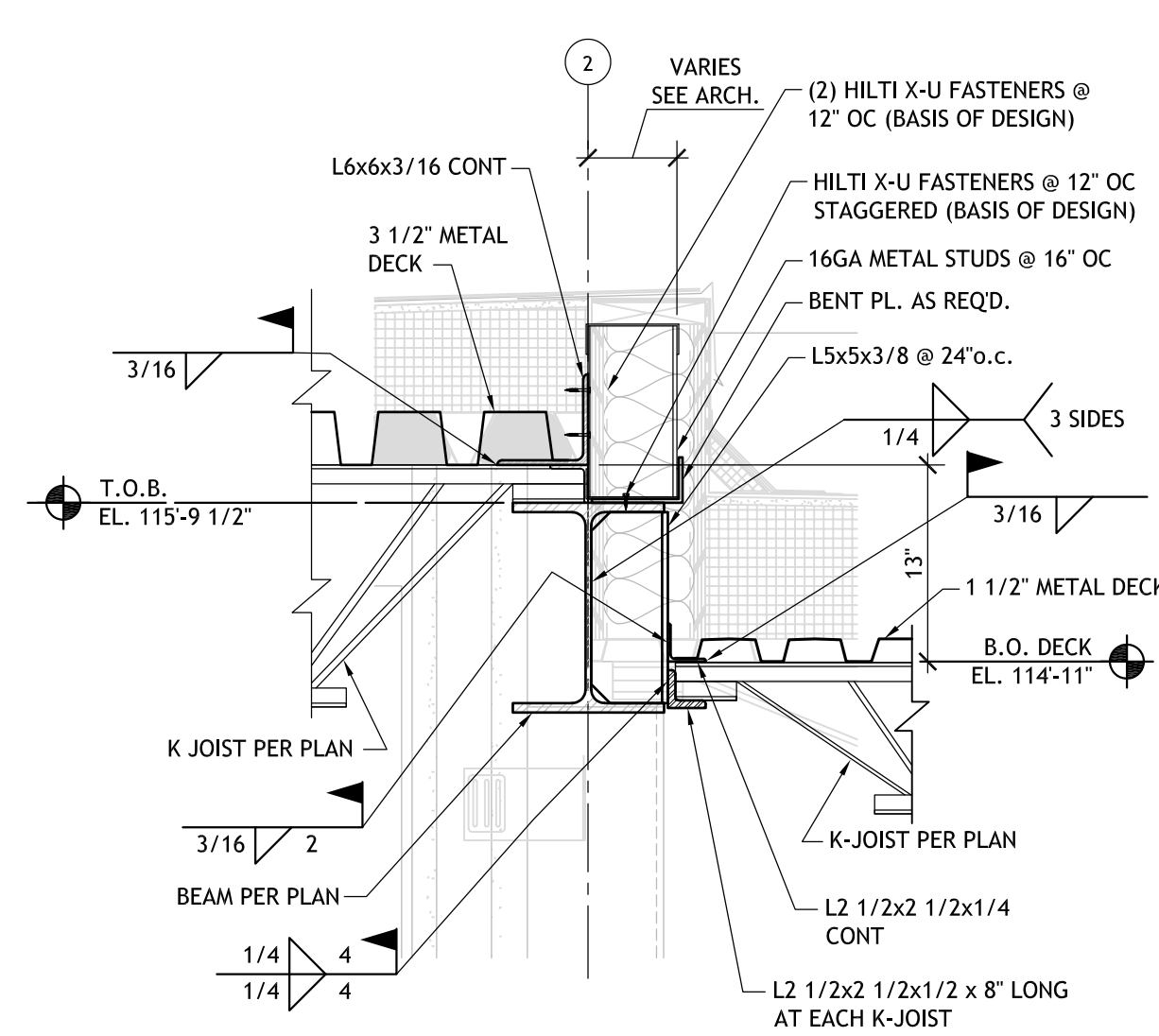
REVISIONS		
No.	DESCRIPTION	DATE

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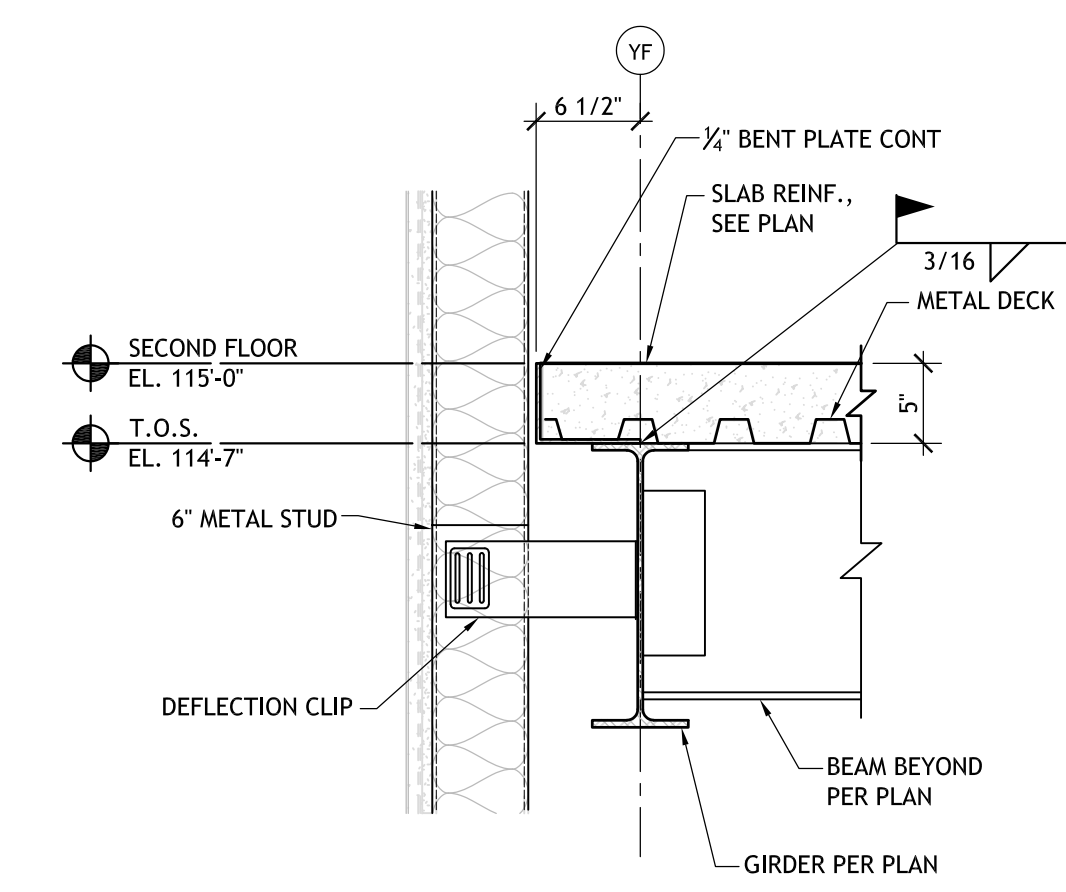
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date	11-27-19	phase	
100% C.D.			



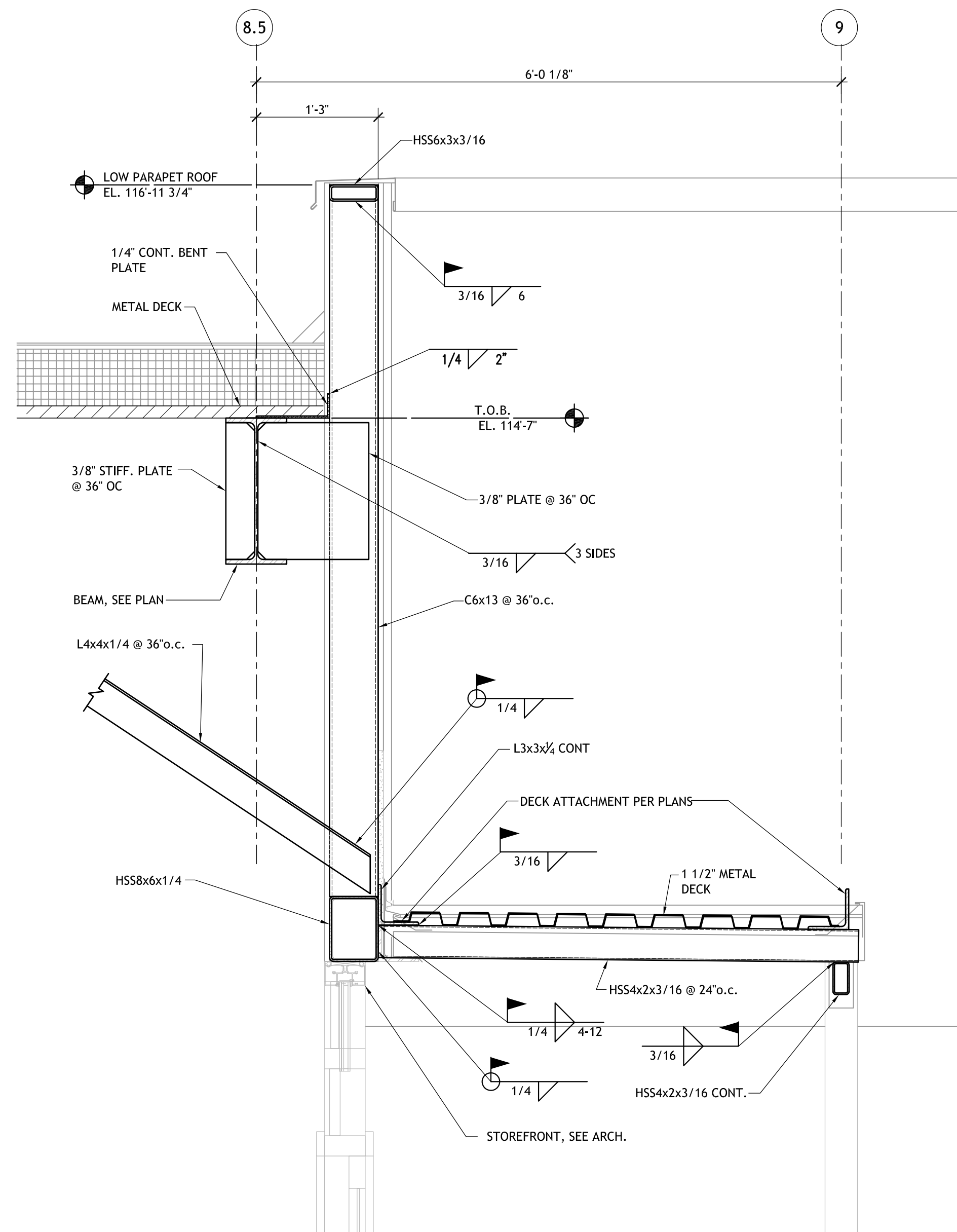
1 **DETAIL AT ROOF**
S102 | S305 1" = 1'-0"



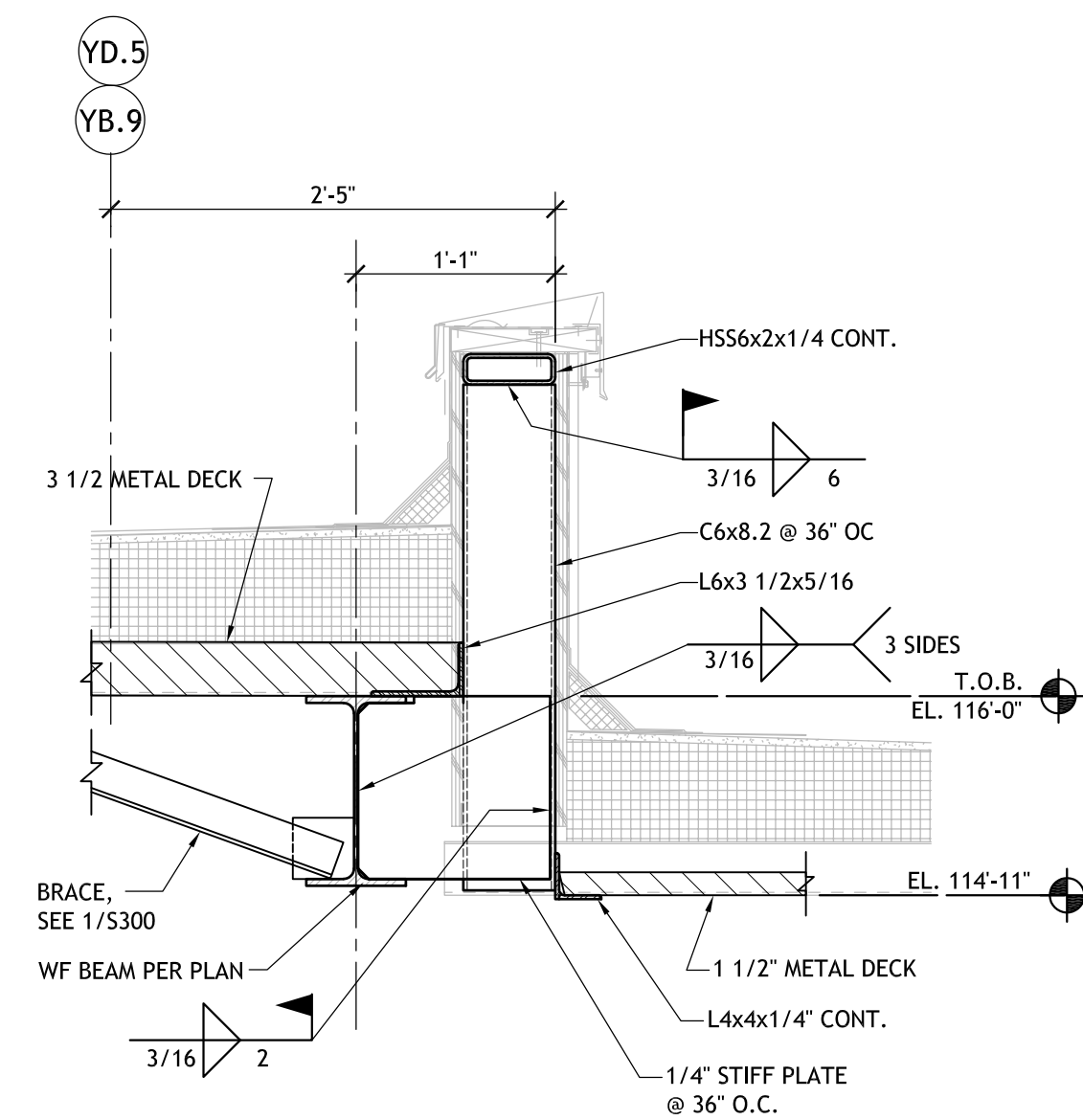
2 **DETAIL AT ROOF**
S102 | S305 1" = 1'-0"



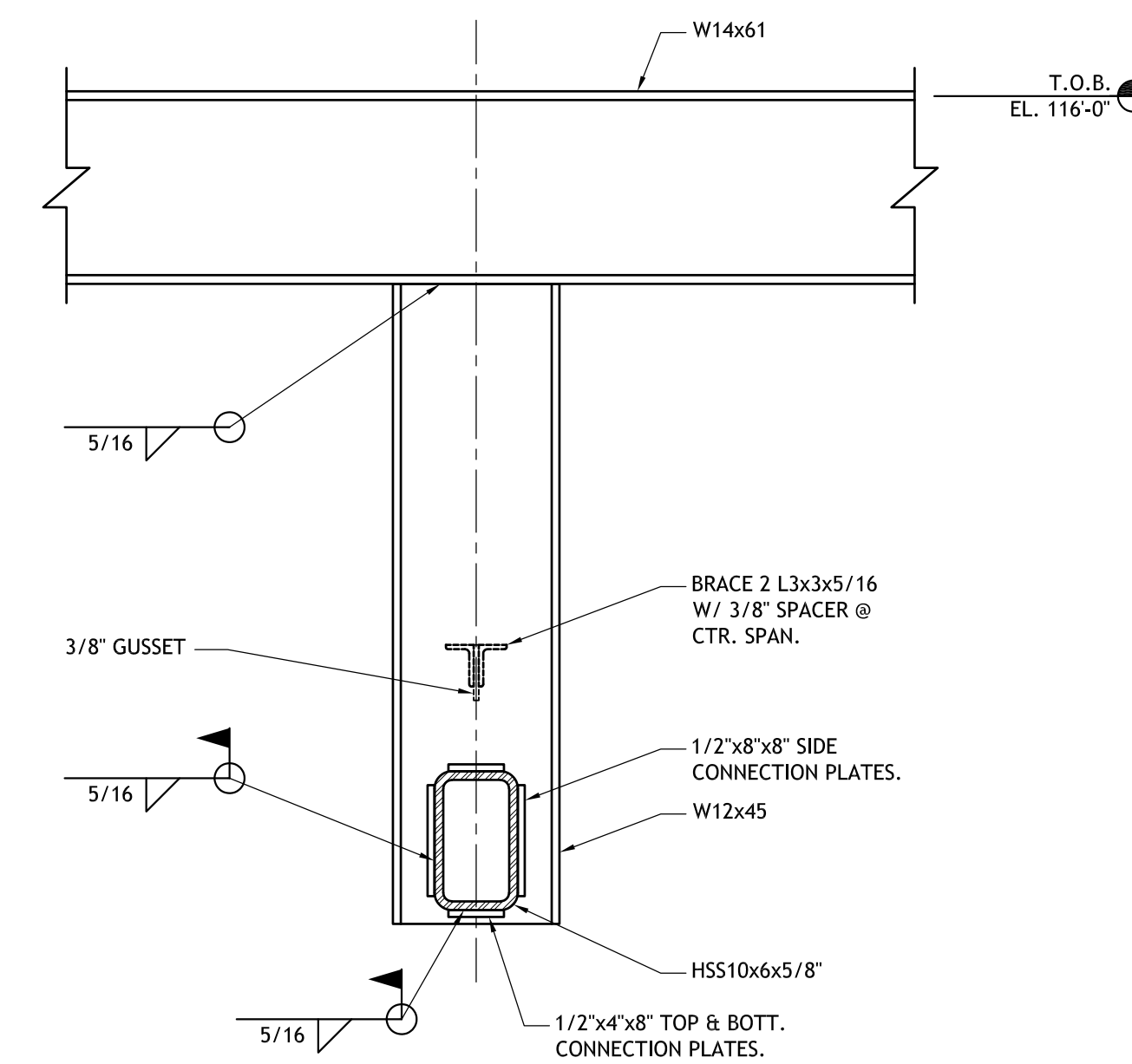
3 **DETAIL AT MECH ROOM**
S102 | S305 1" = 1'-0"



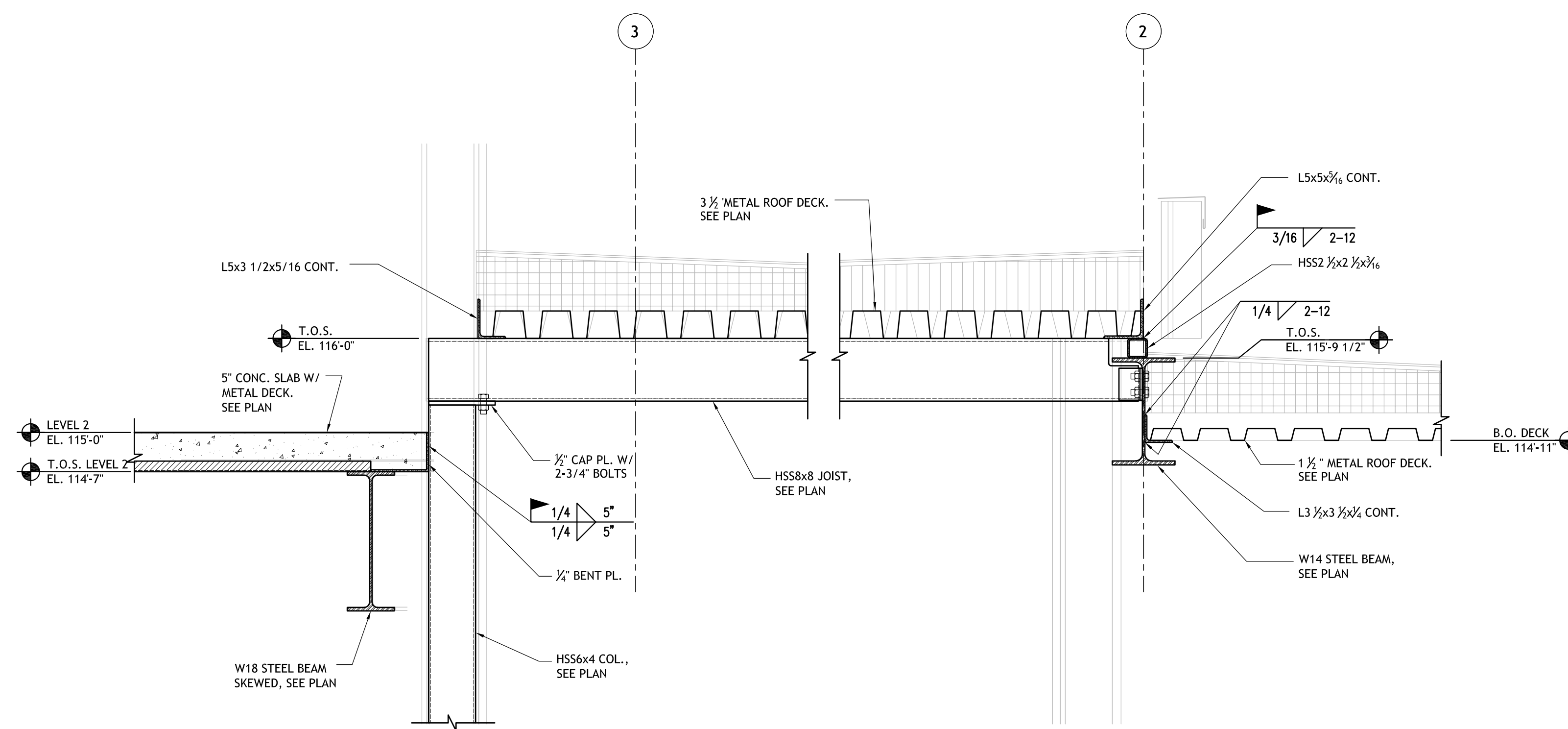
4 **DETAIL AT WEST CANOPY**
S102 | S305 1" = 1'-0"



5 **SECTION**
S103 | S305 1" = 1'-0"



6 **SECTION**
S103 | S305 1" = 1'-0"



7 **SECTION**
S103 | S305 1" = 1'-0"

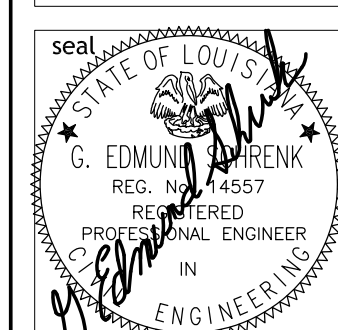
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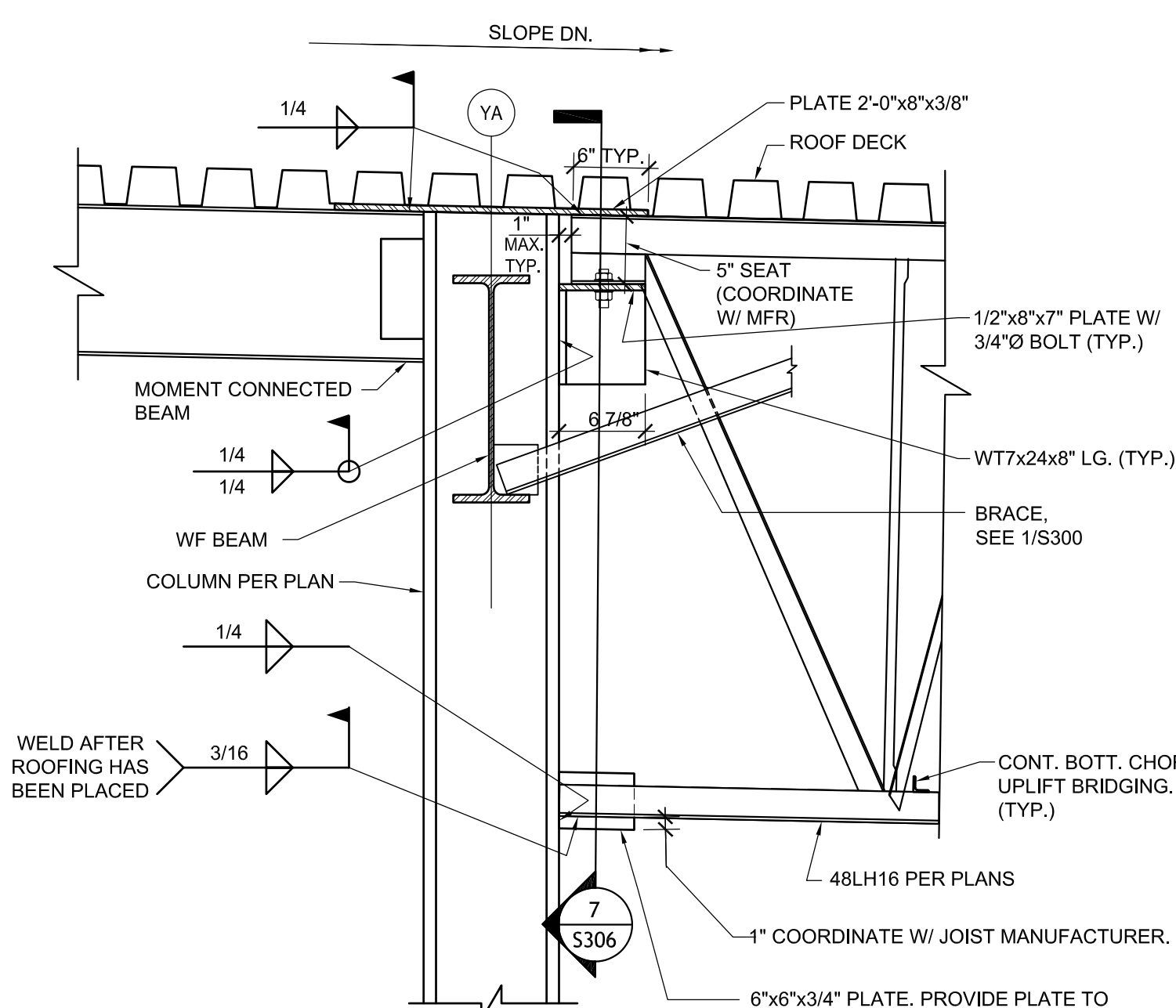
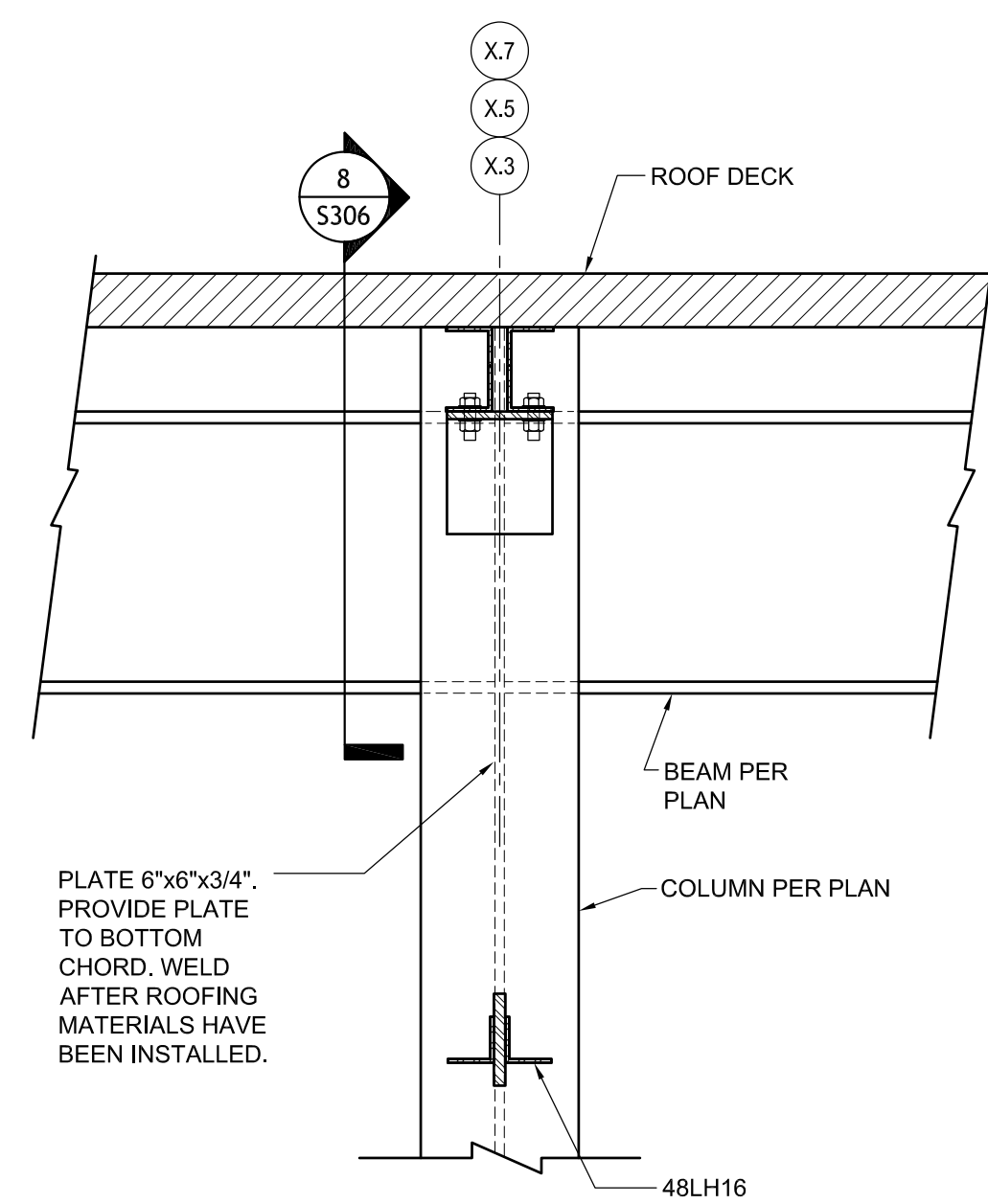
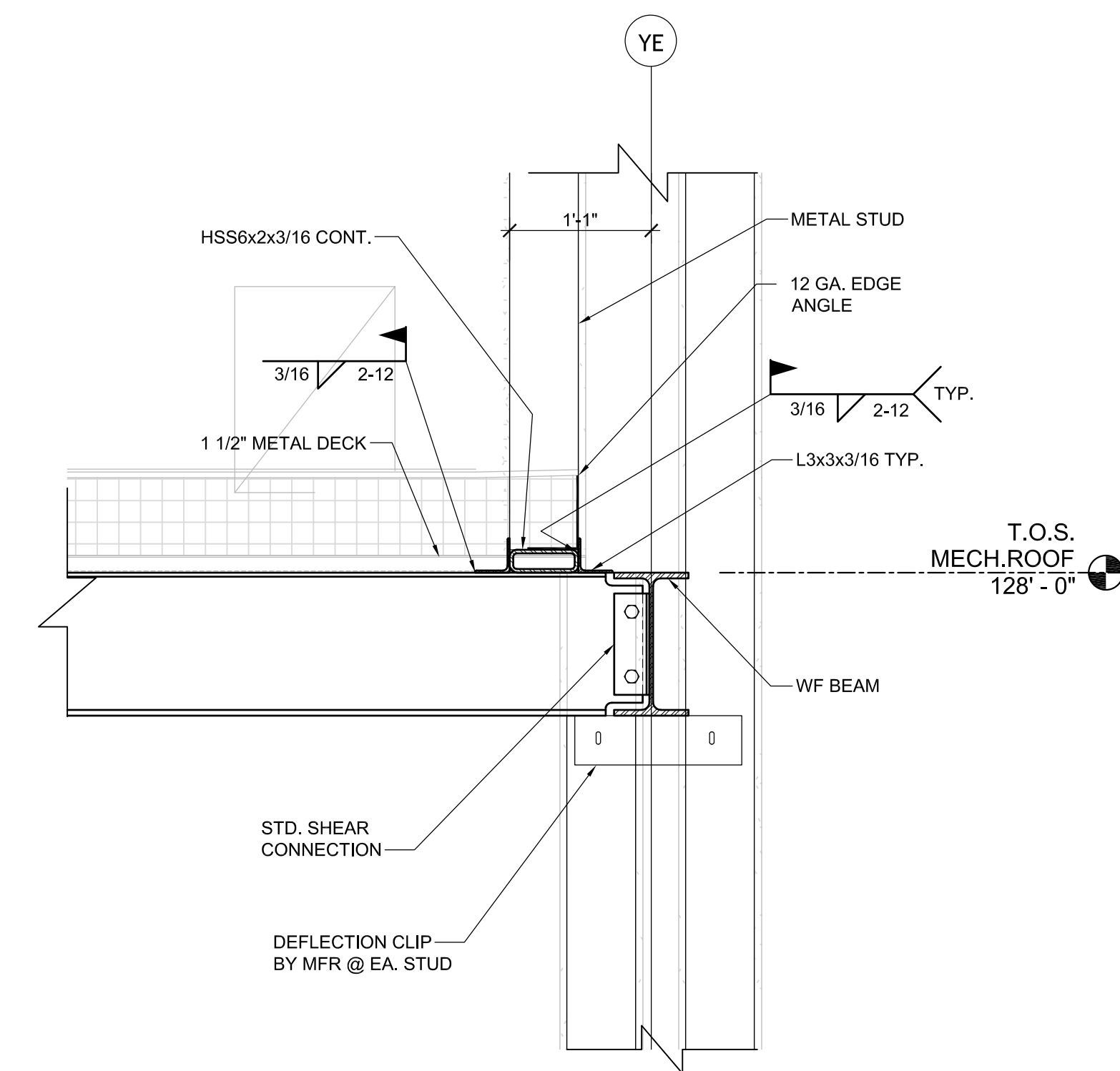
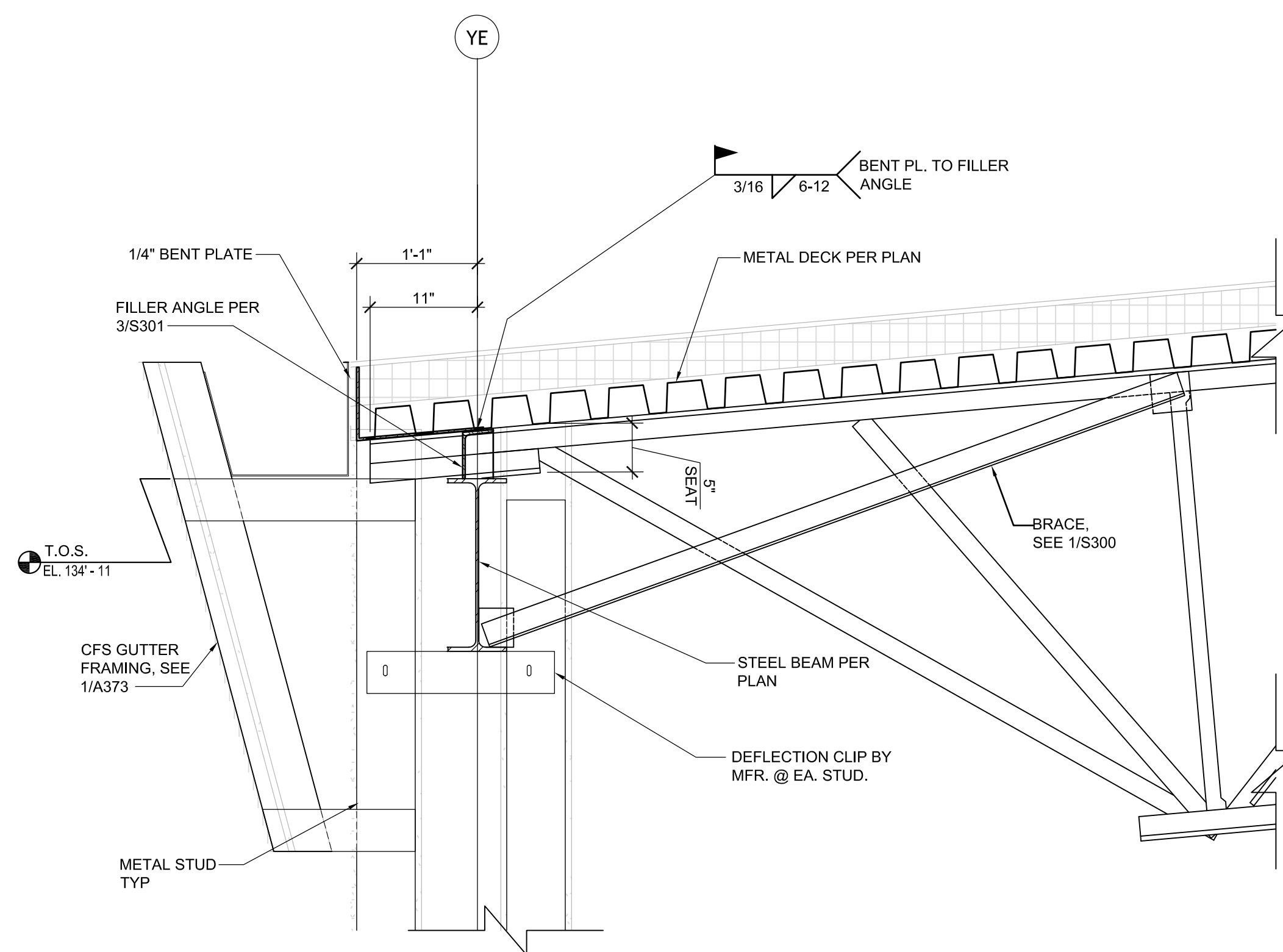
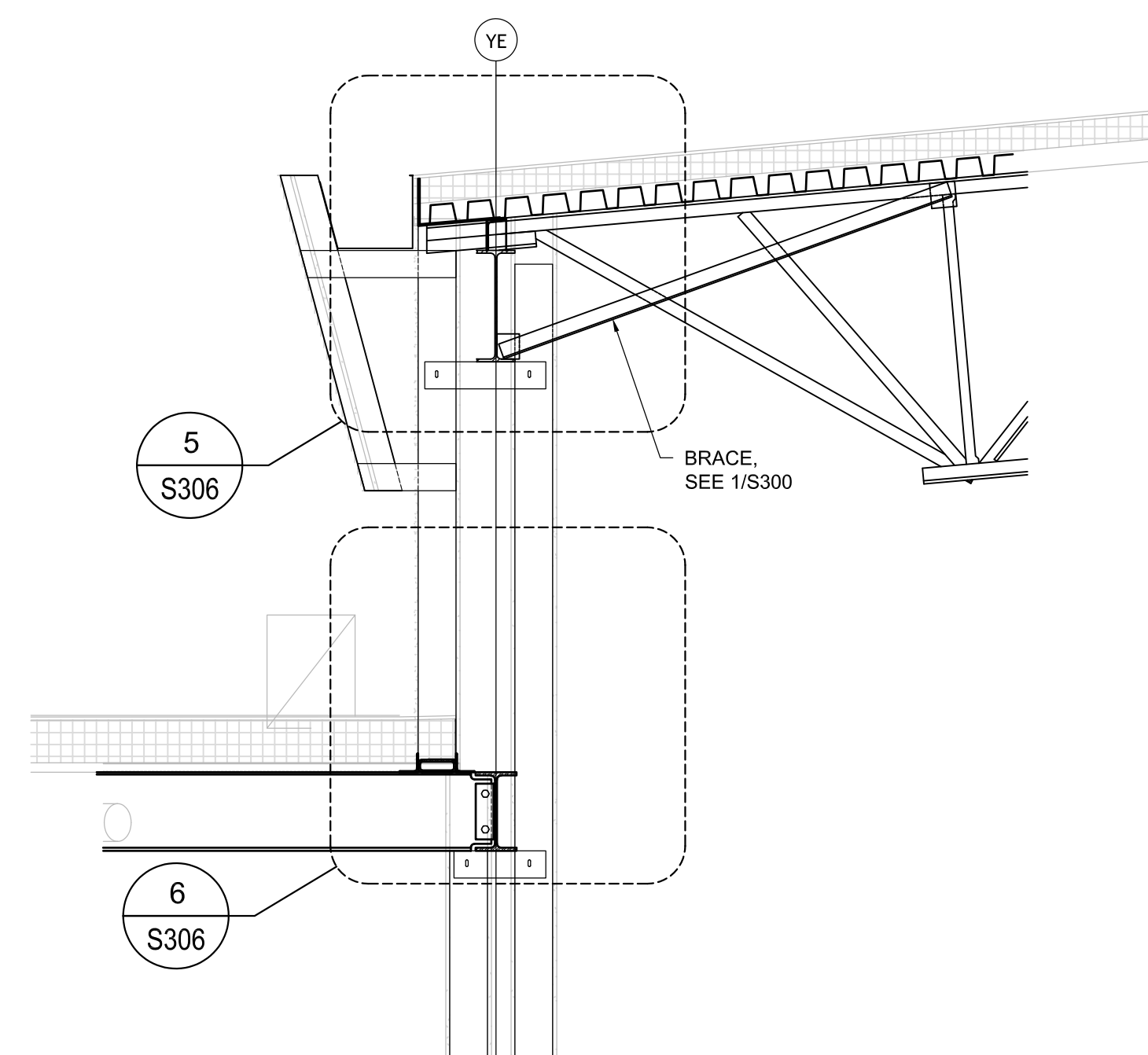
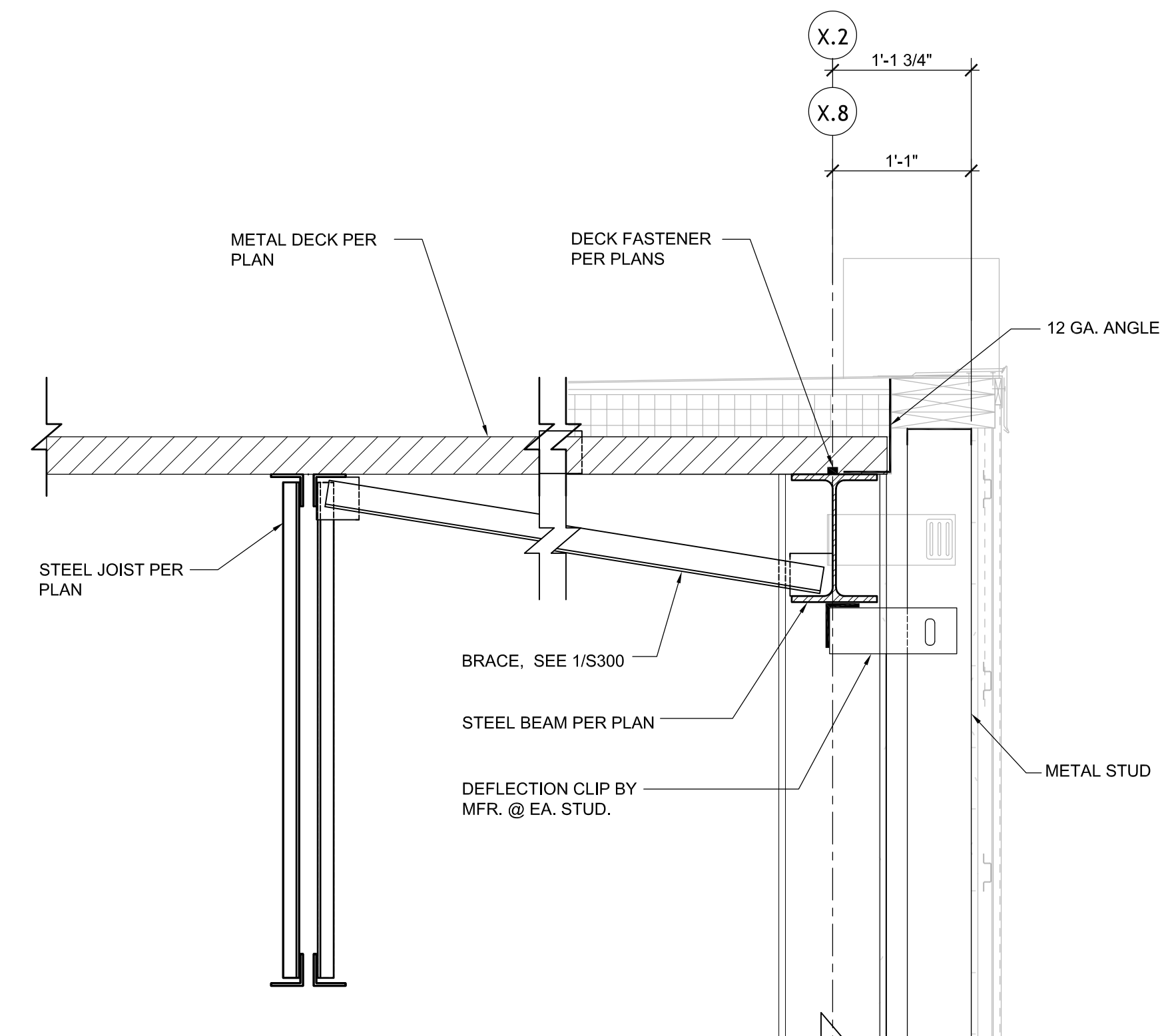
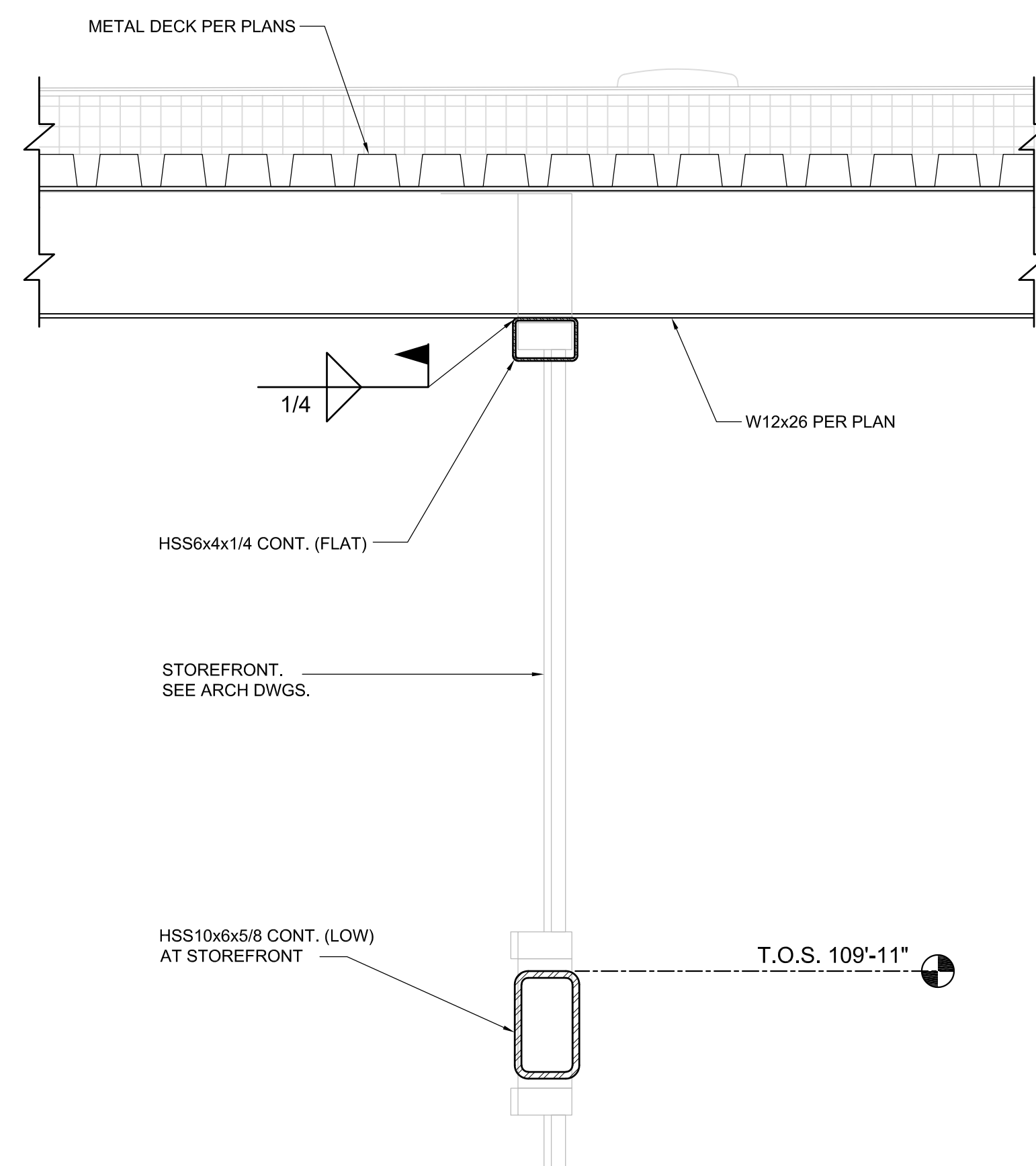
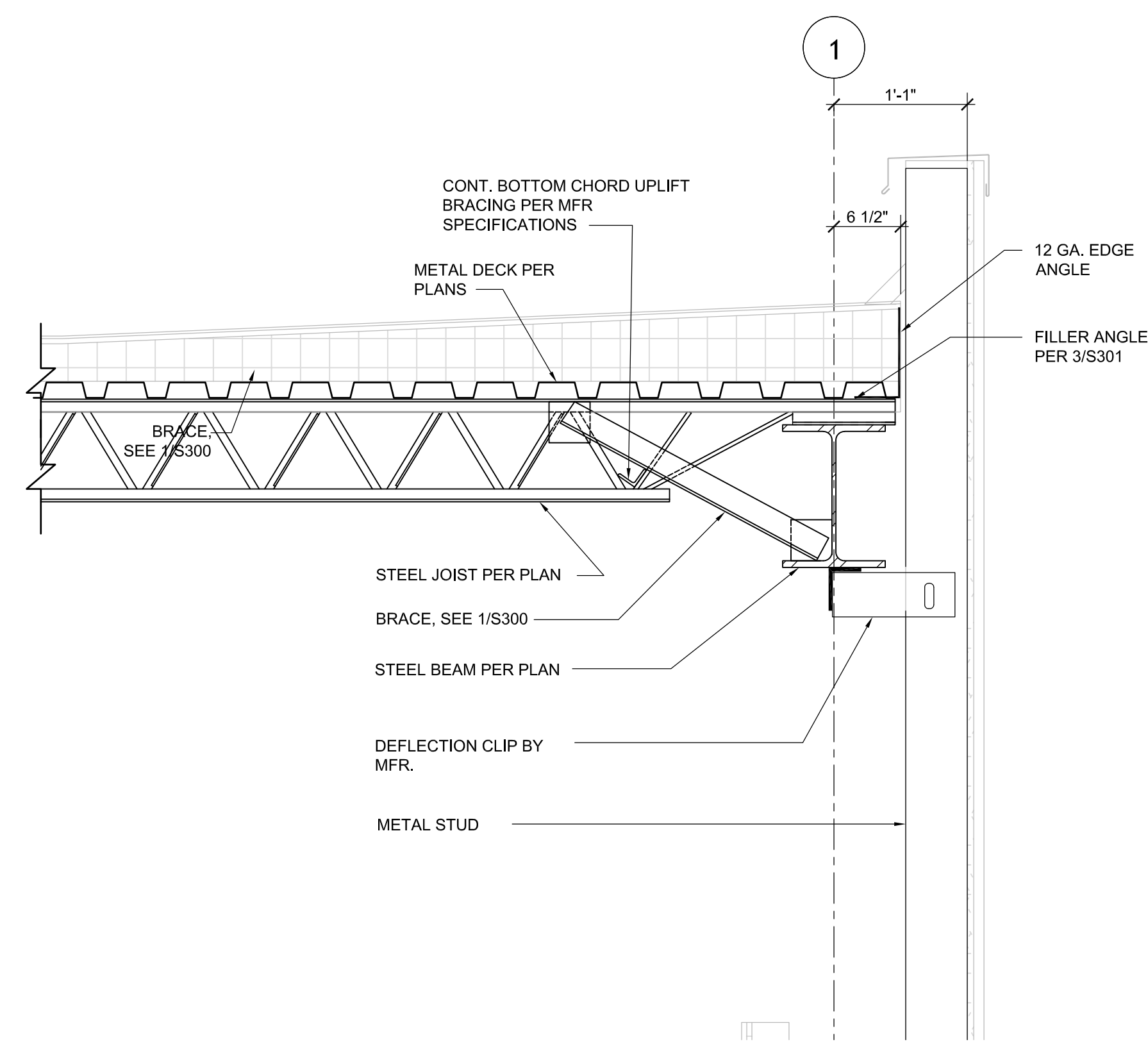
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FRAMING DETAILS		
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date	11-27-19	S305
phase	100% C.D.	



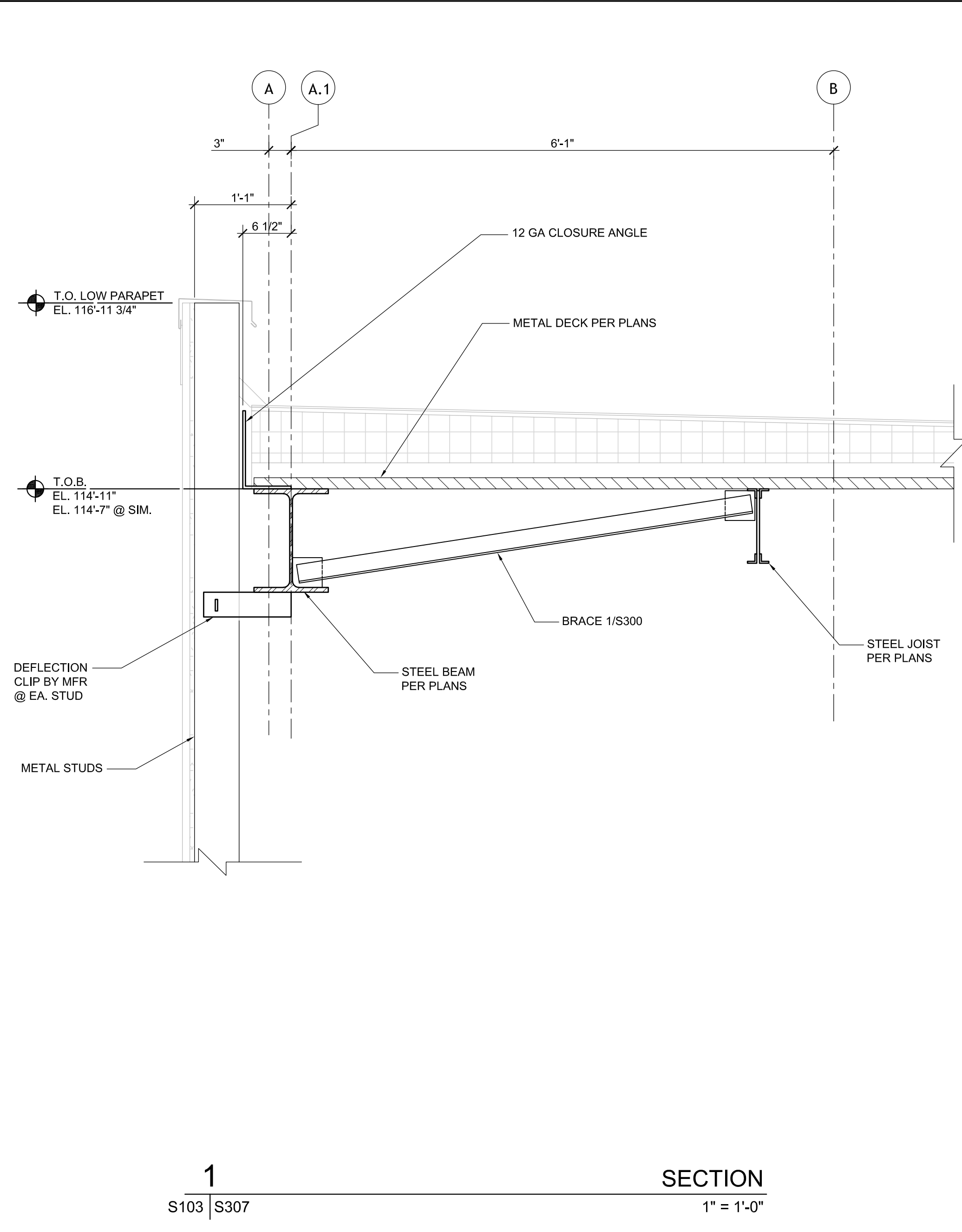


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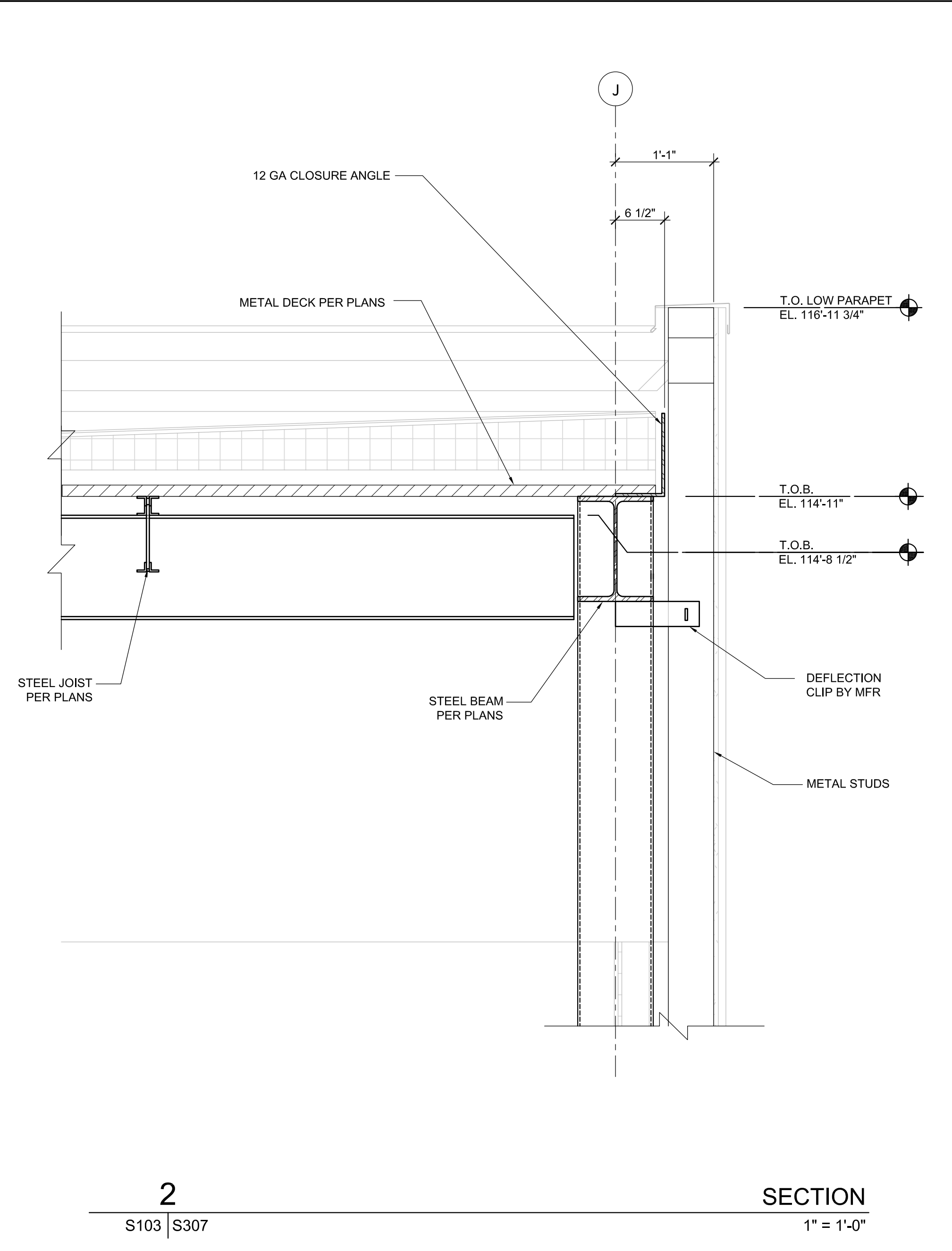
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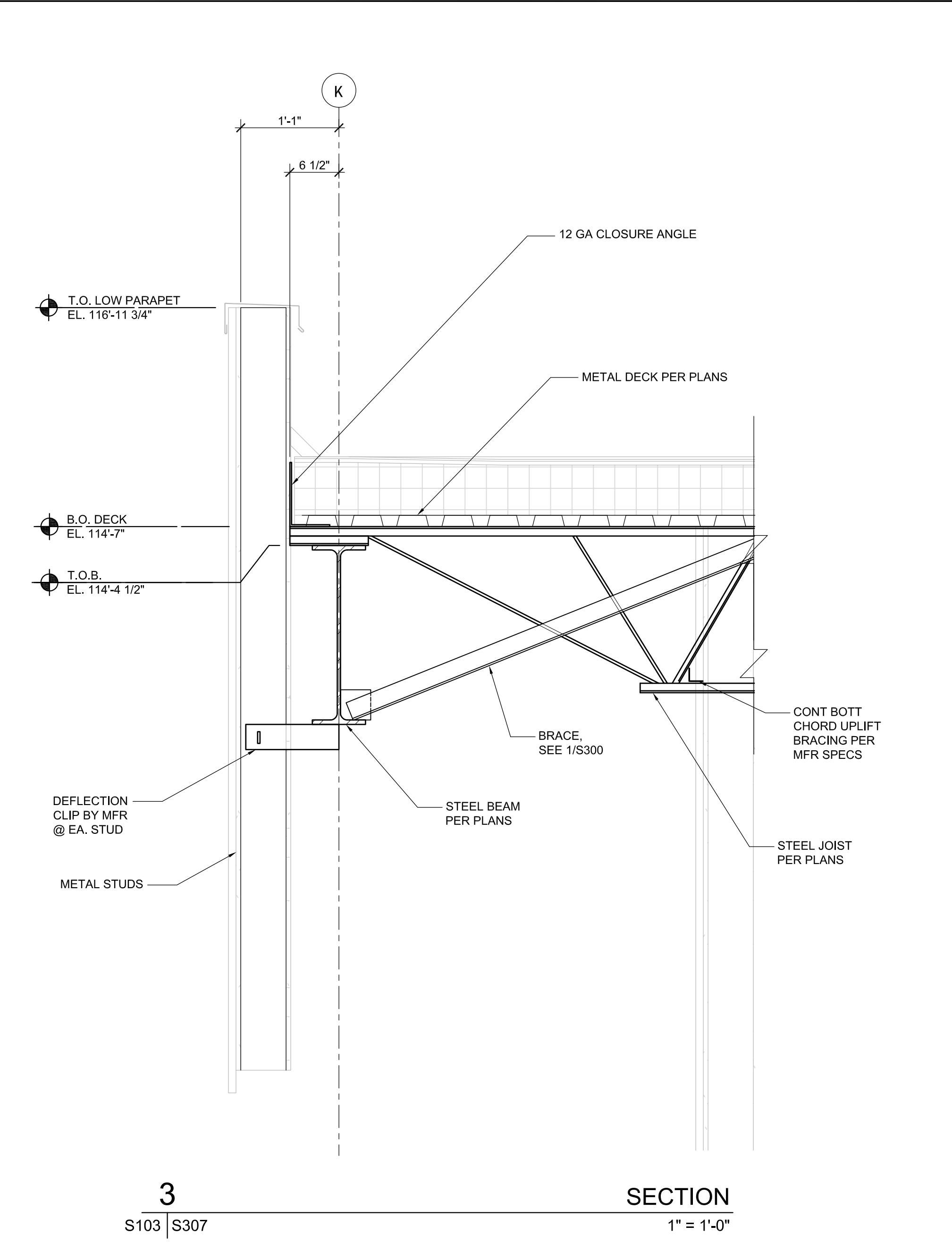
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date	11-27-19	phase	
100% C.D.			



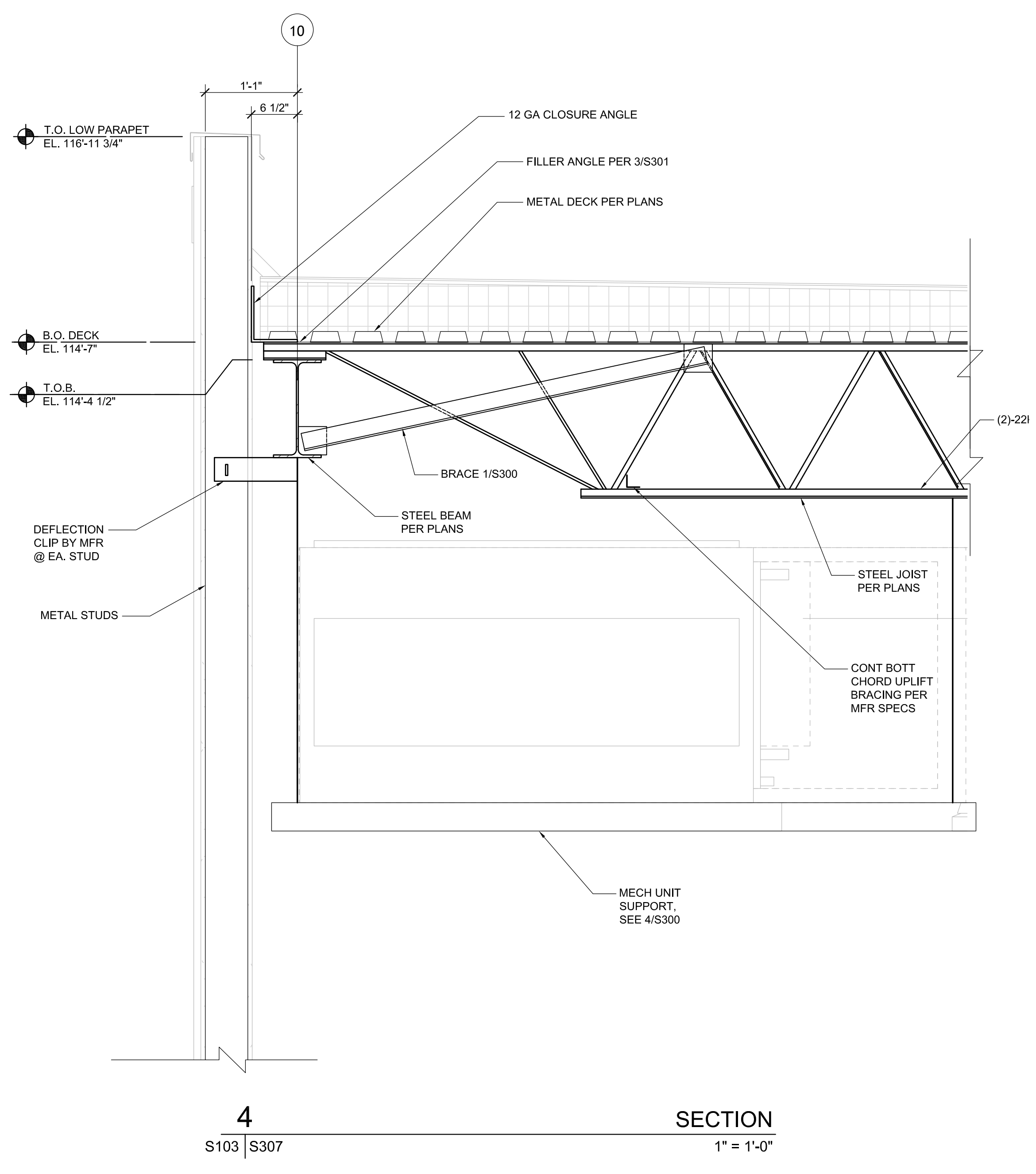
1 SECTION
S103 | S307 1" = 1'-0"



2 SECTION
S103 | S307 1" = 1'-0"



3 SECTION
S103 | S307 1" = 1'-0"



4 SECTION
S103 | S307 1" = 1'-0"

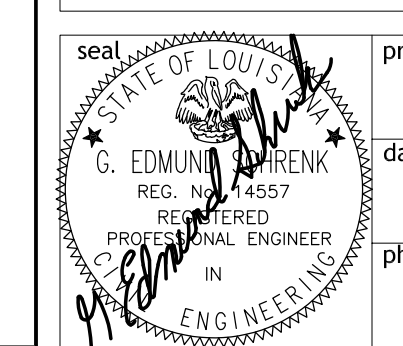
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project number	21161.00	drawing number	S307
date	11-27-19	phase	
phase	100% C.D.		

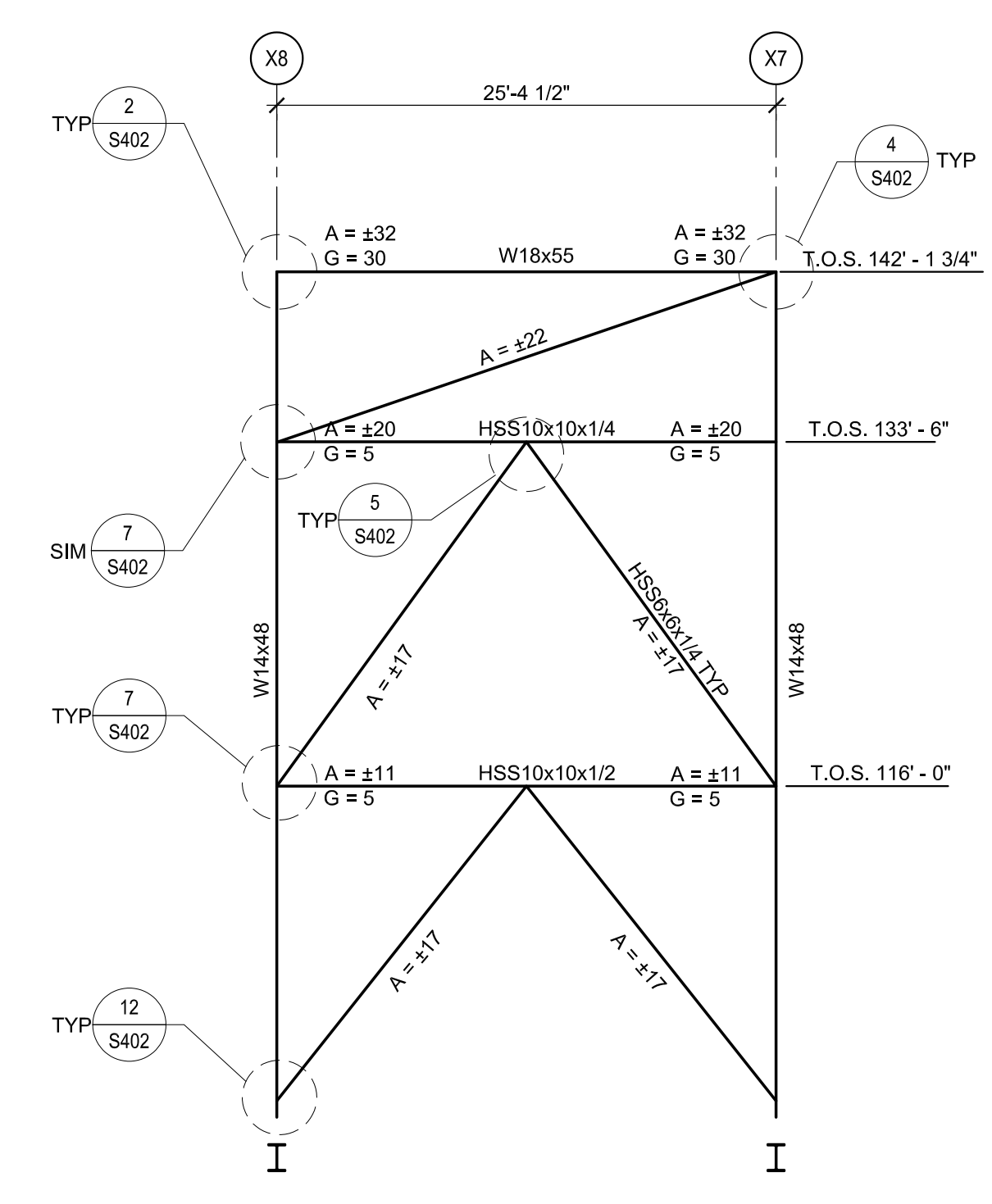


TYPICAL BRACED FRAME CONNECTION NOTES:

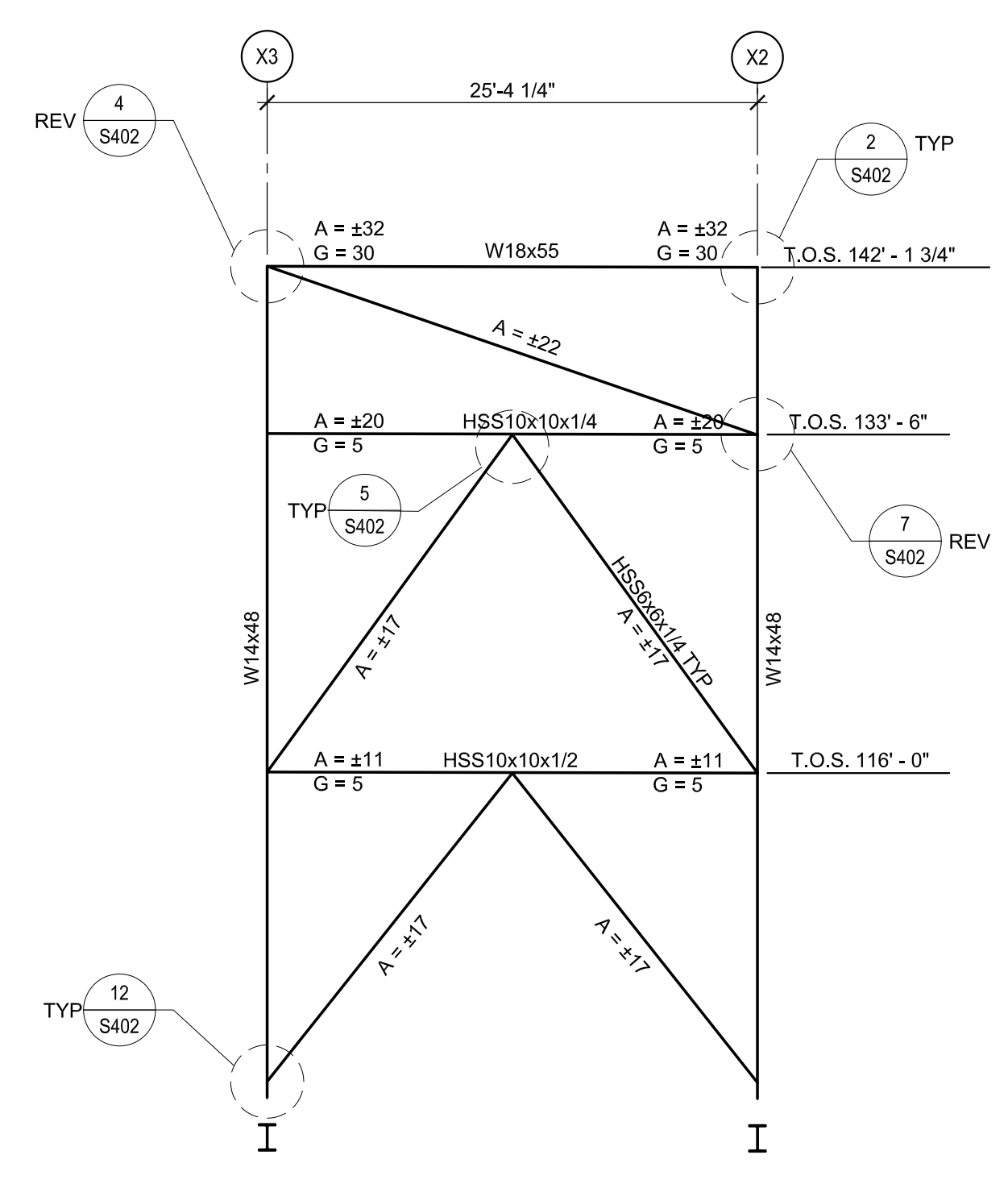
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2. CONNECTION DESIGNER TO DETAIL CONNECTIONS SO NO MOMENT IS CREATED IN THE COLUMNS OR THE BEAMS BY THE CONNECTION CONFIGURATION.
3. CONNECTION CALCULATION ENGINEER TO VERIFY ALL CONNECTIONS ARE CAPABLE OF SUPPORTING REACTION DESIGN CRITERIA SHOWN ON BRACED FRAME ELEVATIONS IN ADDITION TO SHEAR AND AXIAL FORCES INDUCED BY CONNECTION.

FRAMING LEGEND & NOTES	
MARK	DESCRIPTION
A	AXIAL (KIPS)
G	GRAVITY (KIPS)
+	COMPRESSION
-	TENSION
V	OUT OF PLANE SHEAR (KIPS)

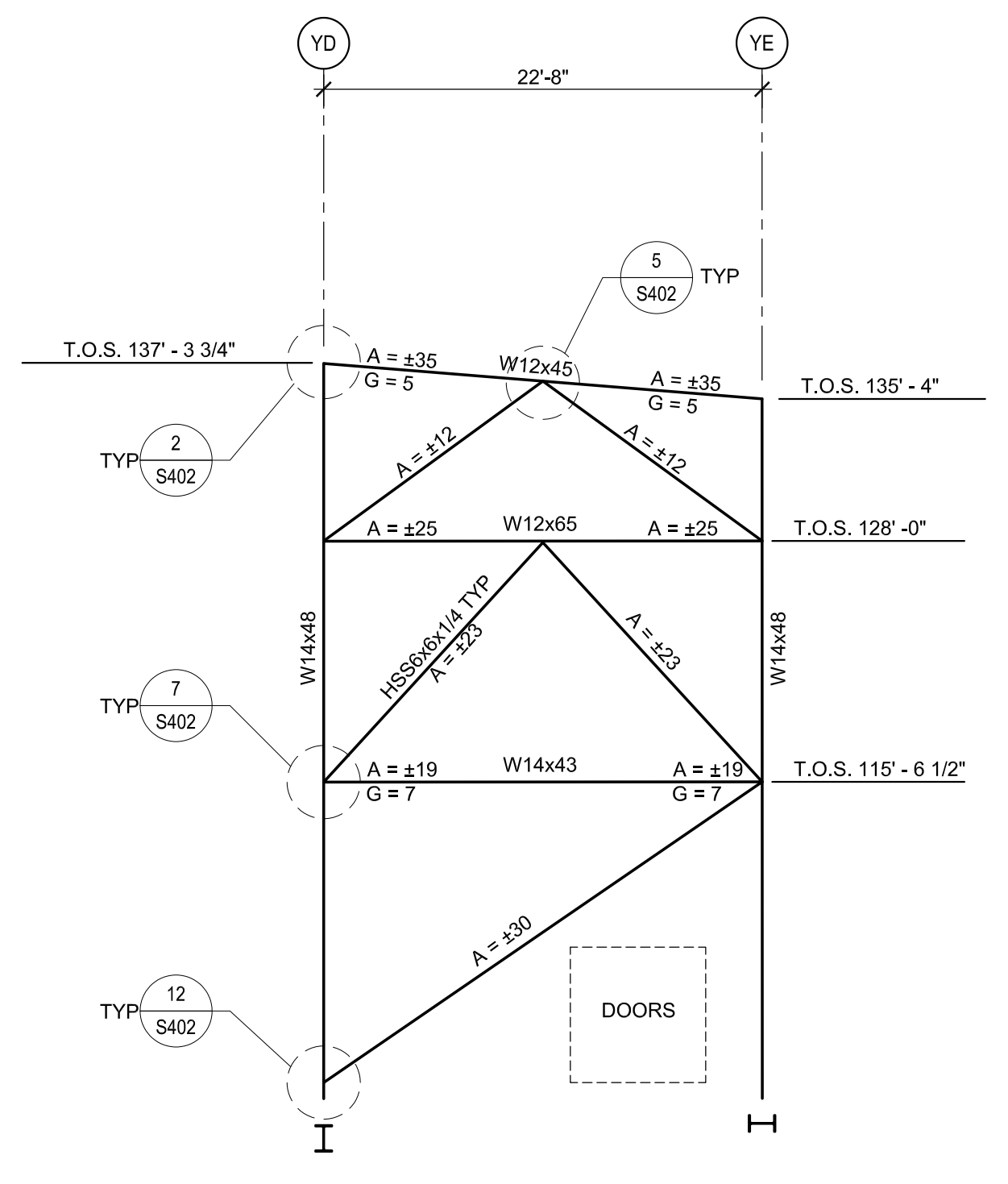
LOADS SHOWN ARE IN UNITS OF KIPS & FORCES ARE FROM ASD LOAD COMBINATIONS. CONNECTIONS TO BE DESIGNED USING LOADS SHOWN.



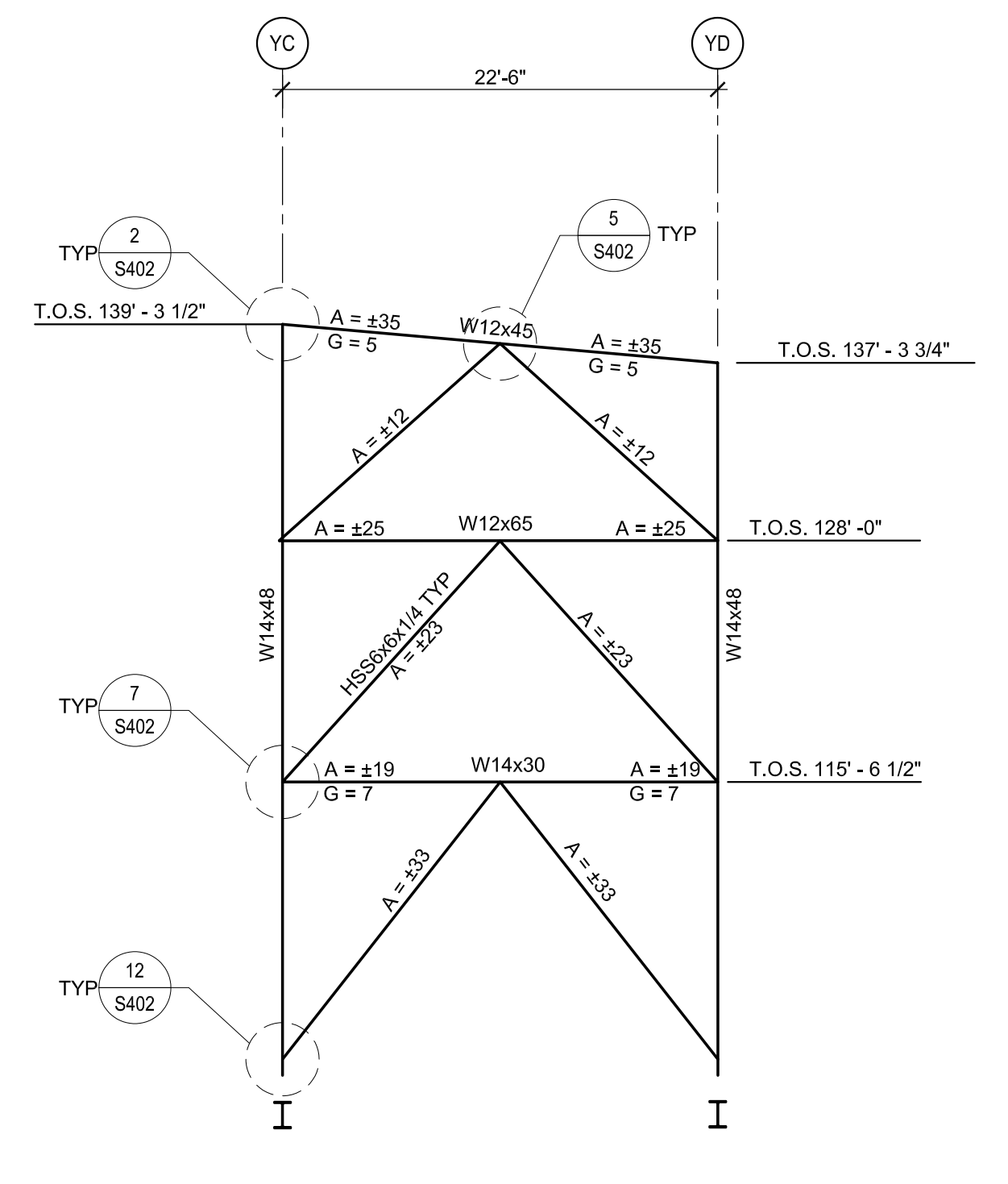
1 BRACED FRAME 'A'
S400 NTS



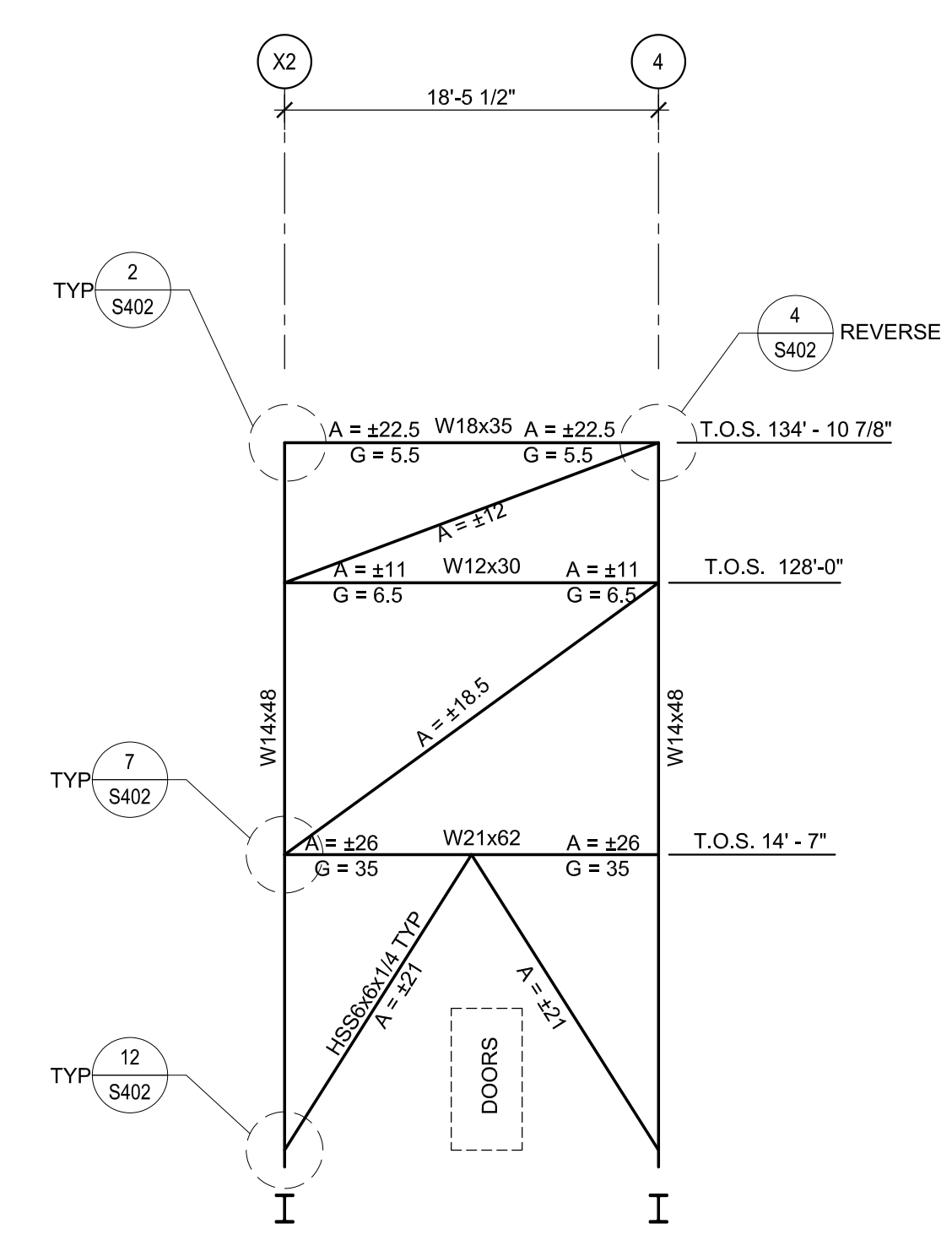
2 BRACED FRAME 'B'
S400 NTS



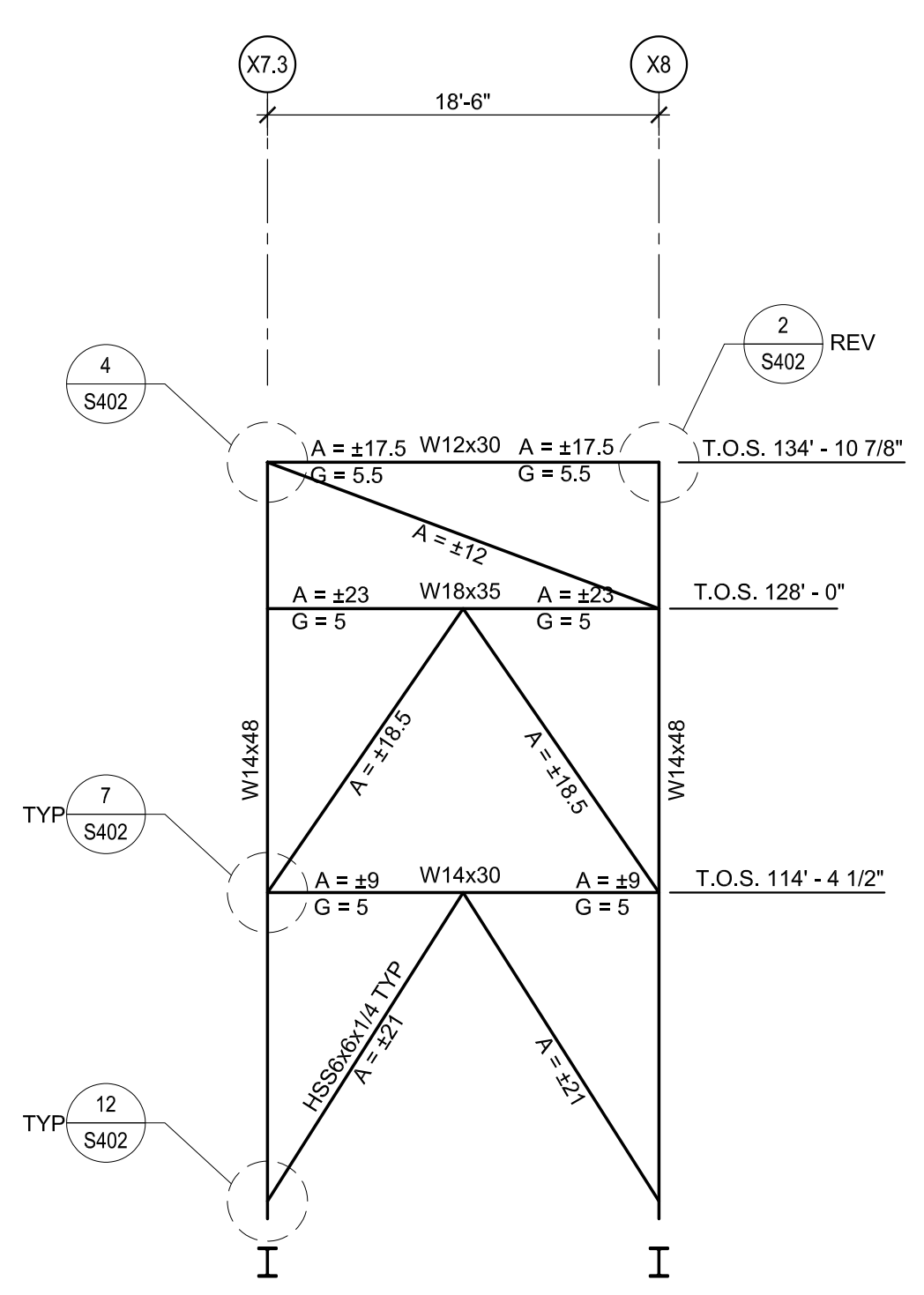
3 BRACED FRAME 'C'
S400 NTS



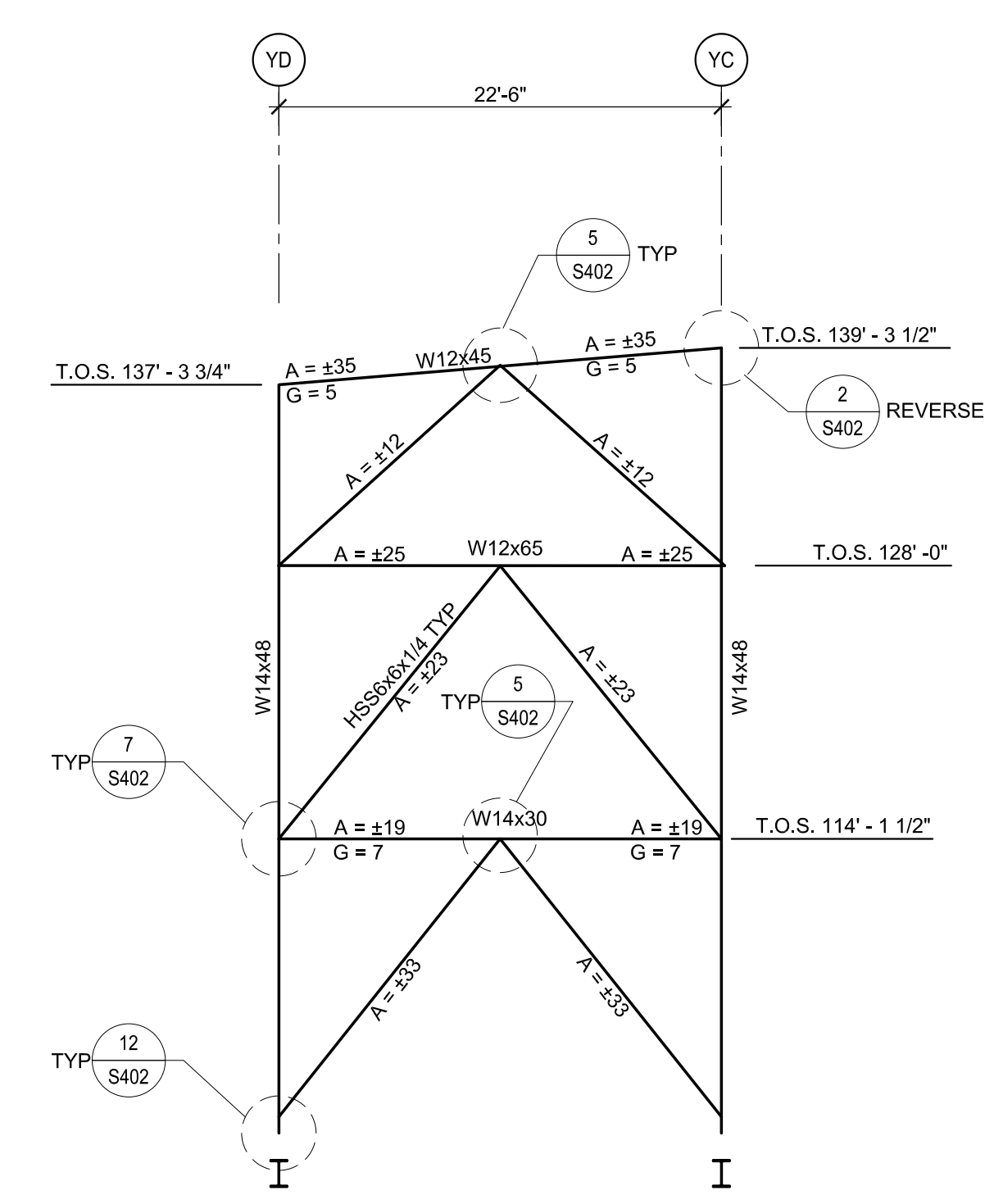
4 BRACED FRAME 'D'
S400 NTS



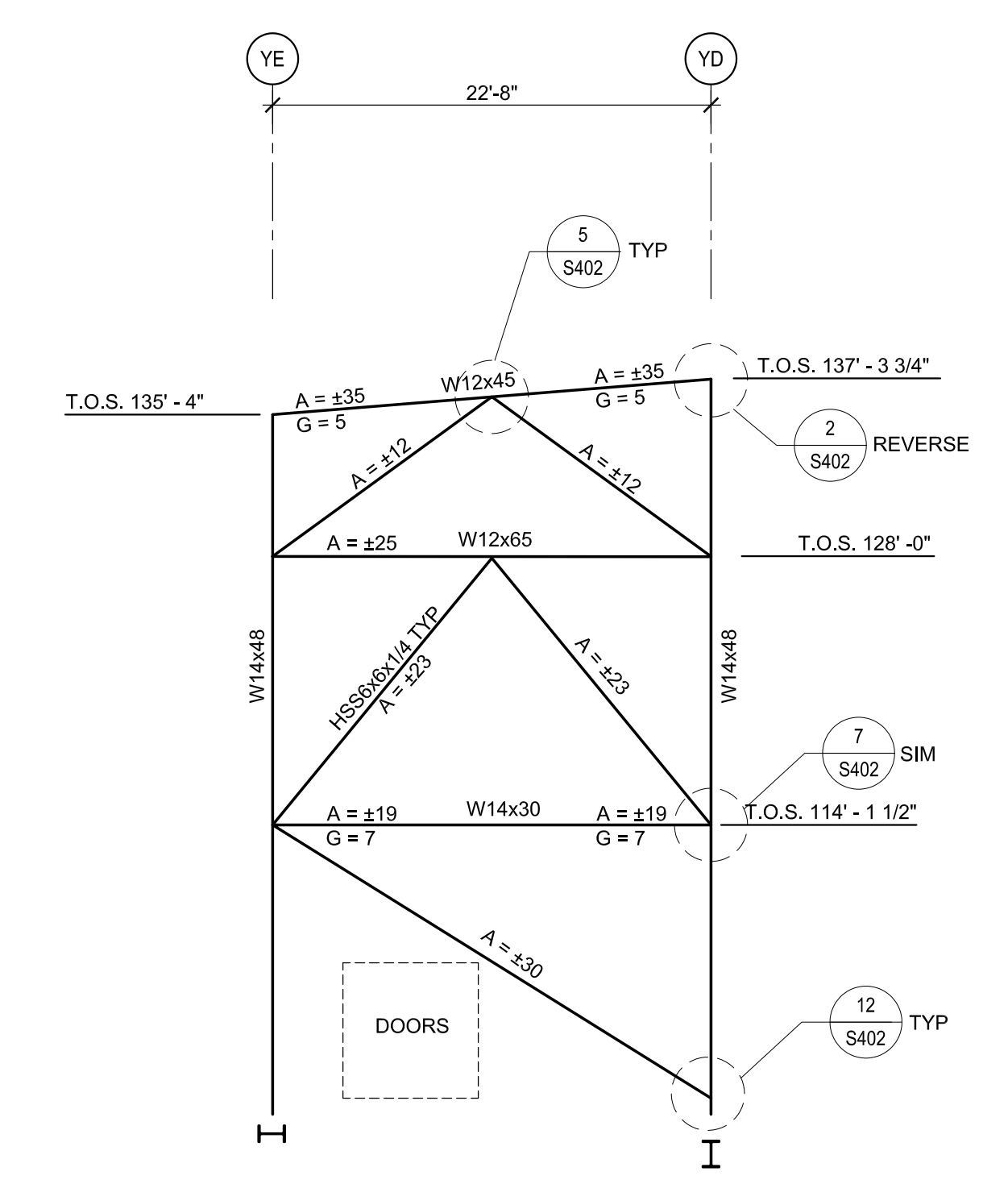
5 BRACED FRAME 'E'
S400 NTS



6 BRACED FRAME 'F'
S400 NTS



7 BRACED FRAME 'G'
S400 NTS



8 BRACED FRAME 'H'
S400 NTS

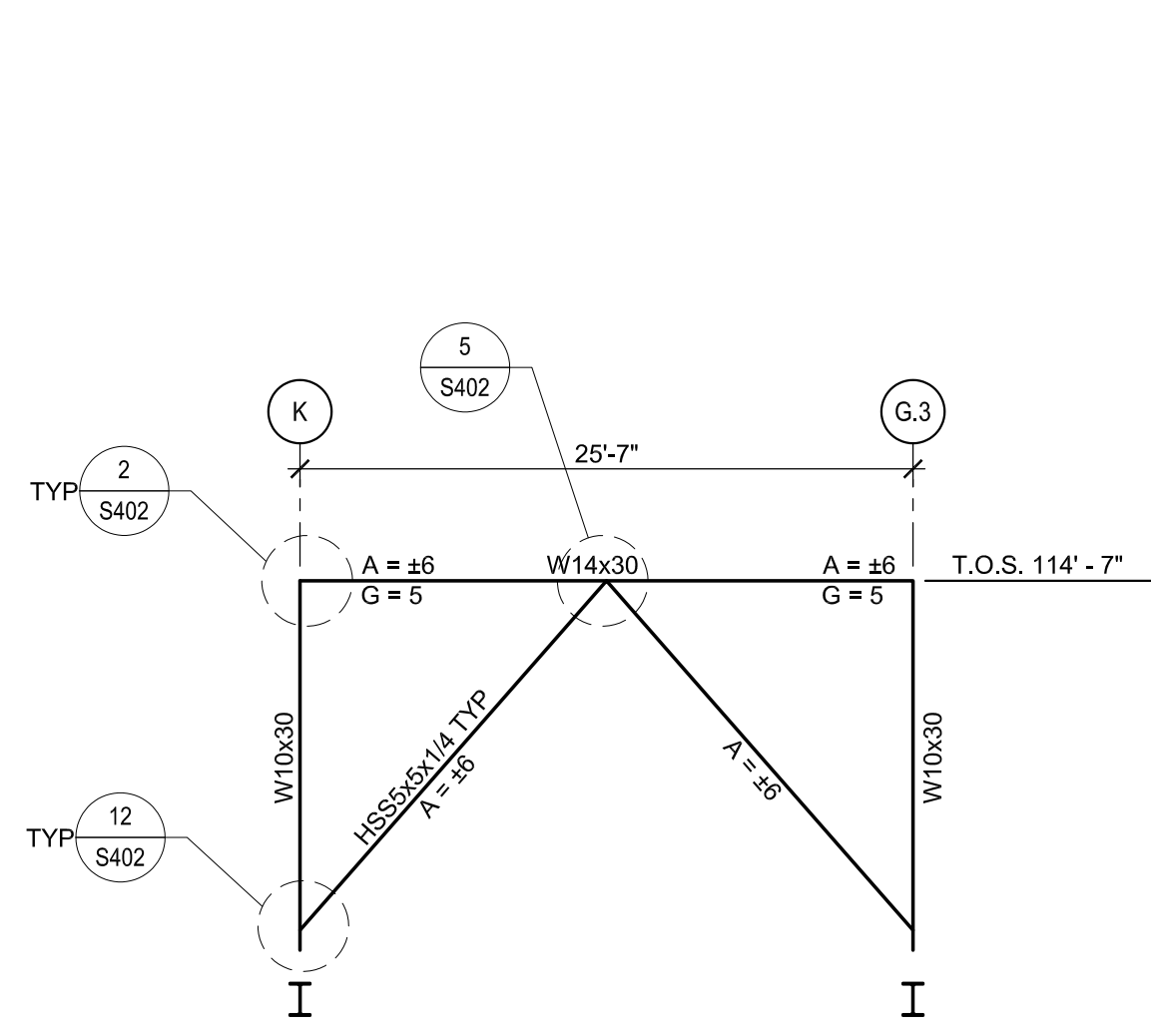
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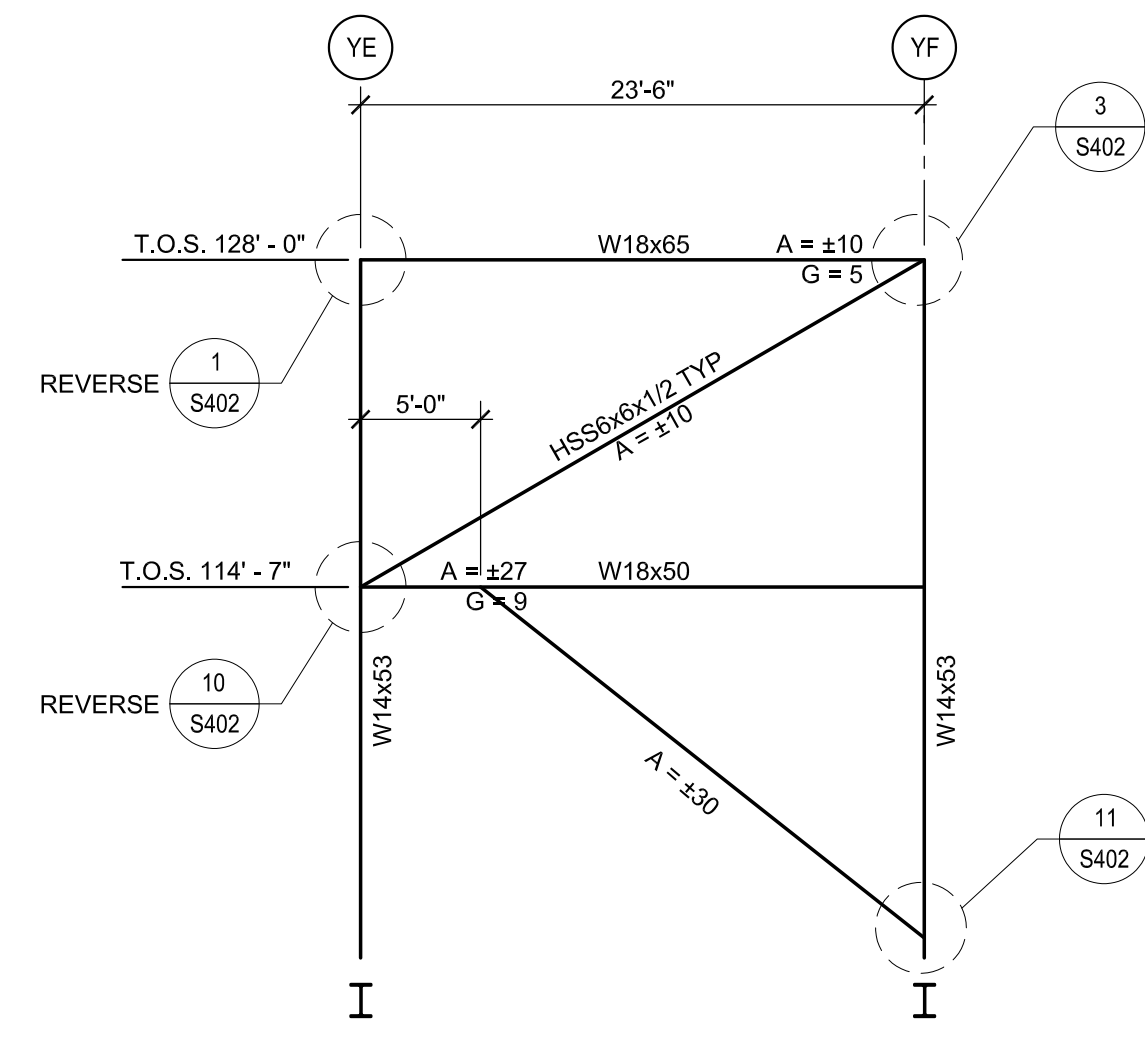
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No.	DESCRIPTION	DATE

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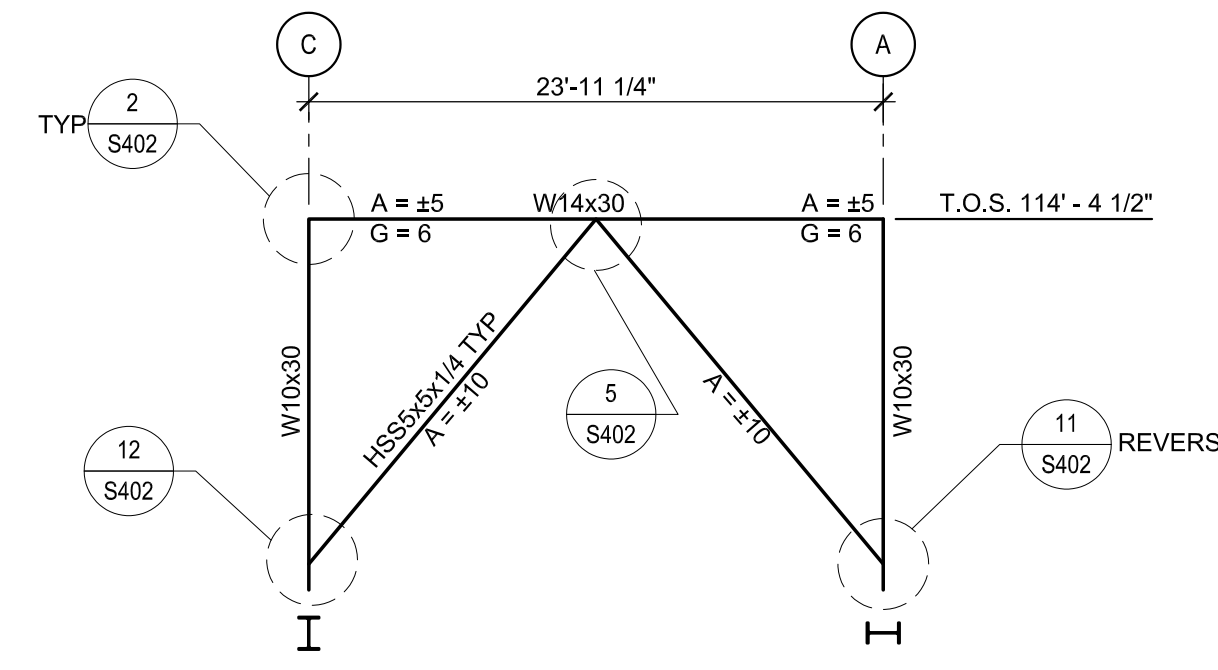
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date	11-27-19	phase	
phase	100% C.D.		



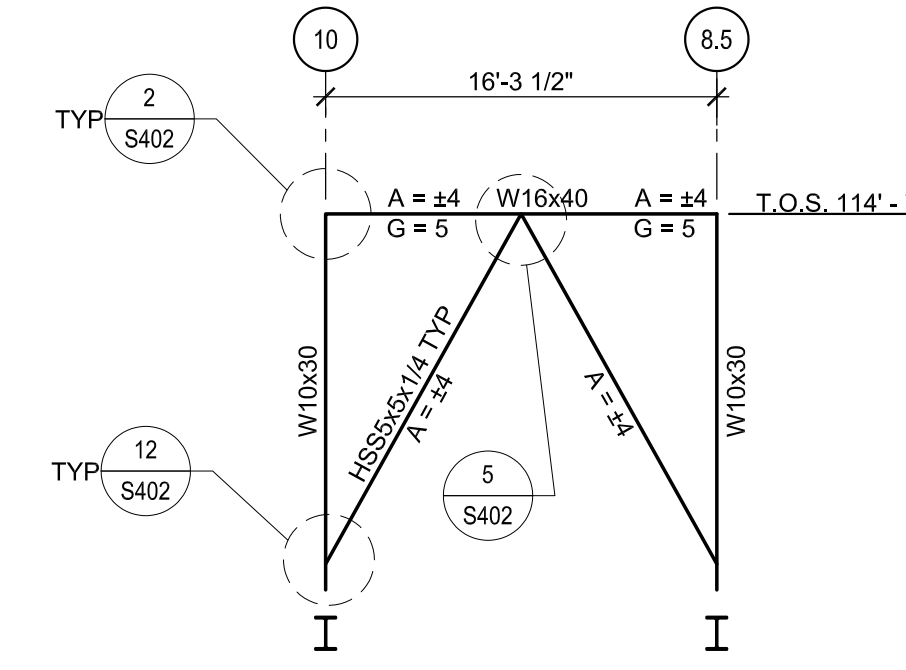
1 BRACED FRAME 'I'
S401 NTS



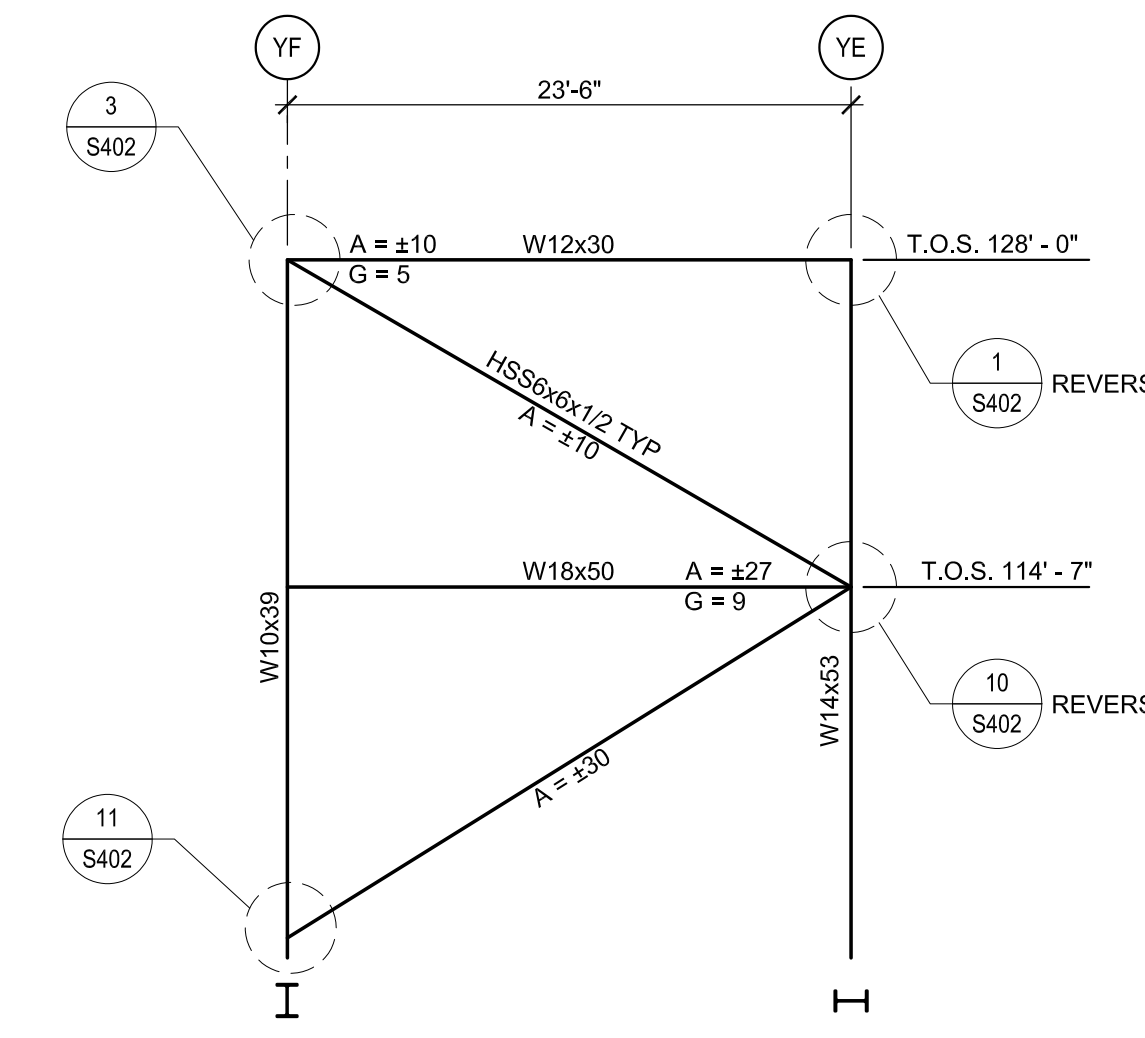
2 BRACED FRAME 'J'
S401 NTS



3 BRACED FRAME 'K'
S401 NTS



4 BRACED FRAME 'L'
S401 NTS



5 BRACED FRAME 'M'
S401 NTS

TYPICAL BRACED FRAME CONNECTION NOTES:

1. TYPICAL BRACED FRAME DETAILS SHOW MINIMUM BOLTED AND WELDED CONNECTIONS. CONNECTIONS TO BE DESIGNED FOR THE LOADS SHOWN ON THE BRACED FRAME ELEVATIONS BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF LOUISIANA.
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FRAMING LEGEND & NOTES	
MARK	DESCRIPTION
A	AXIAL (KIPS)
G	GRAVITY (KIPS)
+	COMPRESSION
-	TENSION
V	OUT OF PLANE SHEAR (KIPS)

LOADS SHOWN ARE IN UNITS OF KIPS & FORCES ARE FROM ASD LOAD COMBINATIONS. CONNECTIONS TO BE DESIGNED USING LOADS SHOWN.

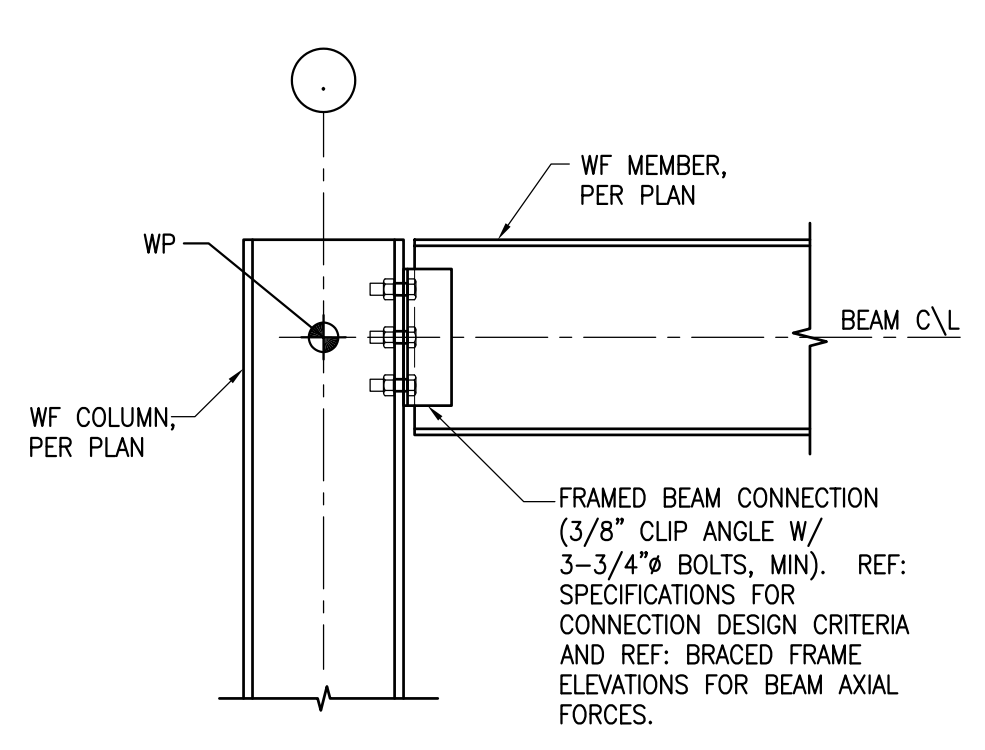
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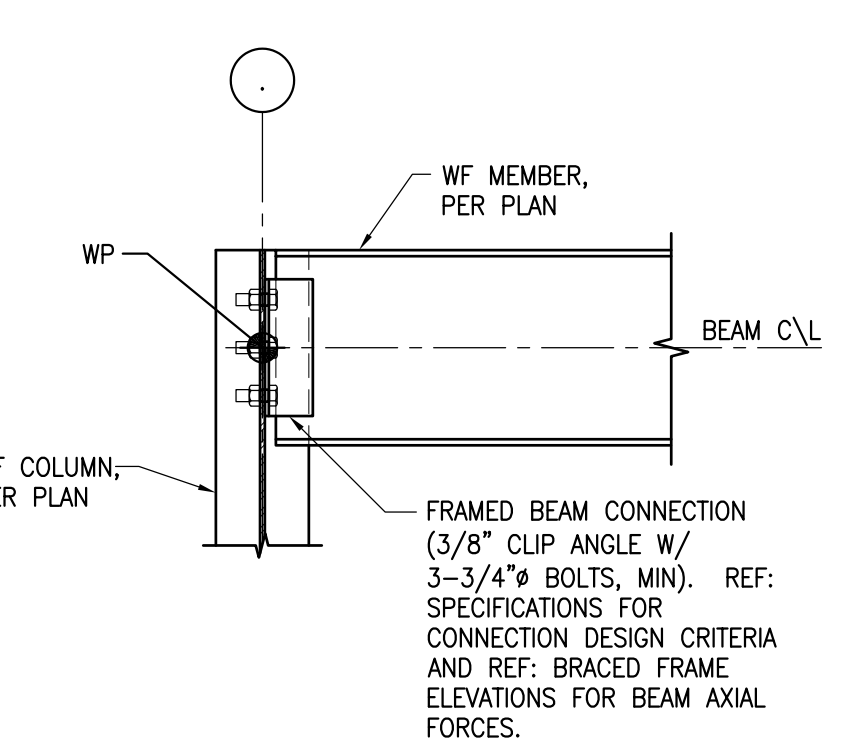
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BRACE FRAME ELEVATIONS

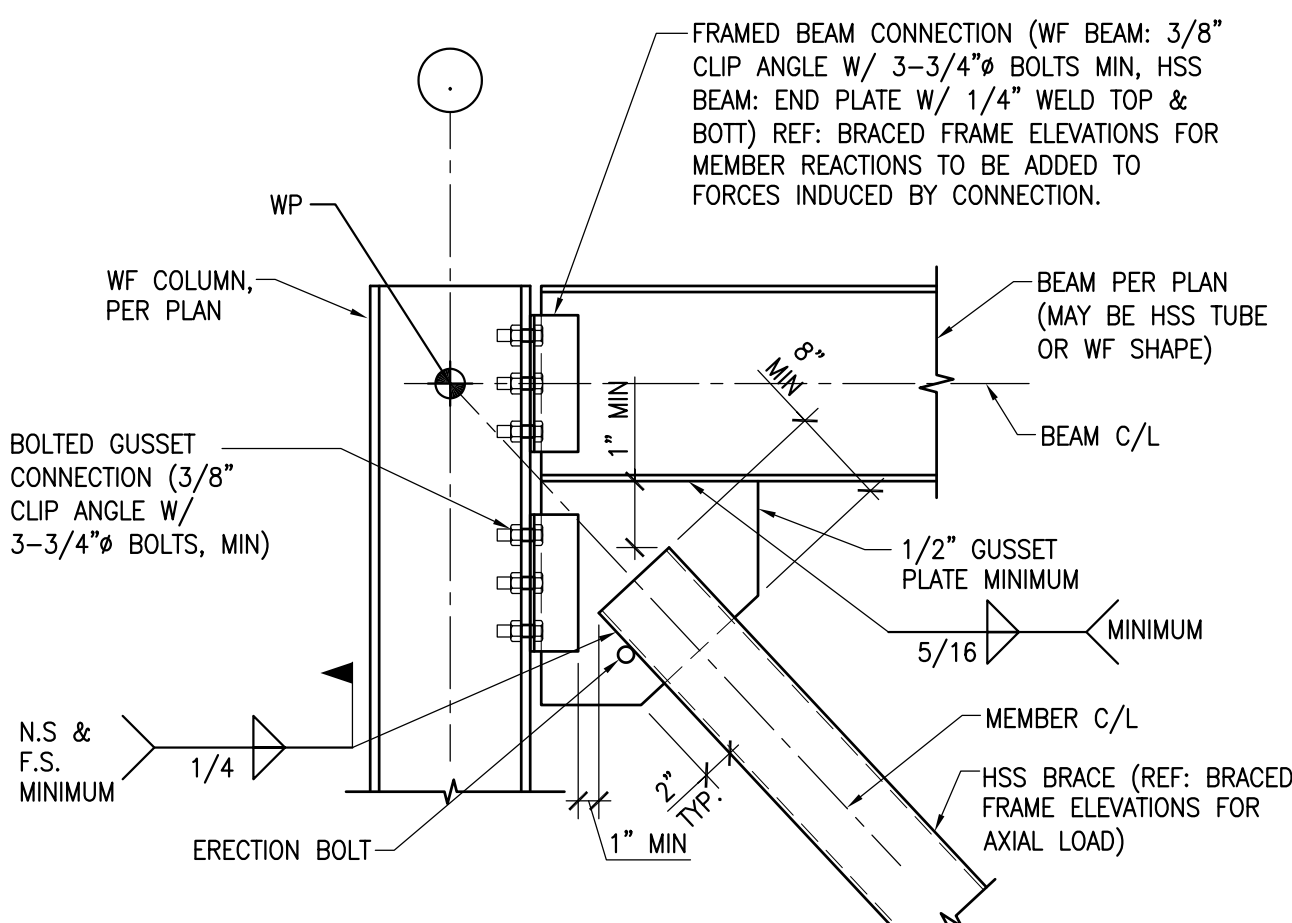
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	phase	100% C.D.	



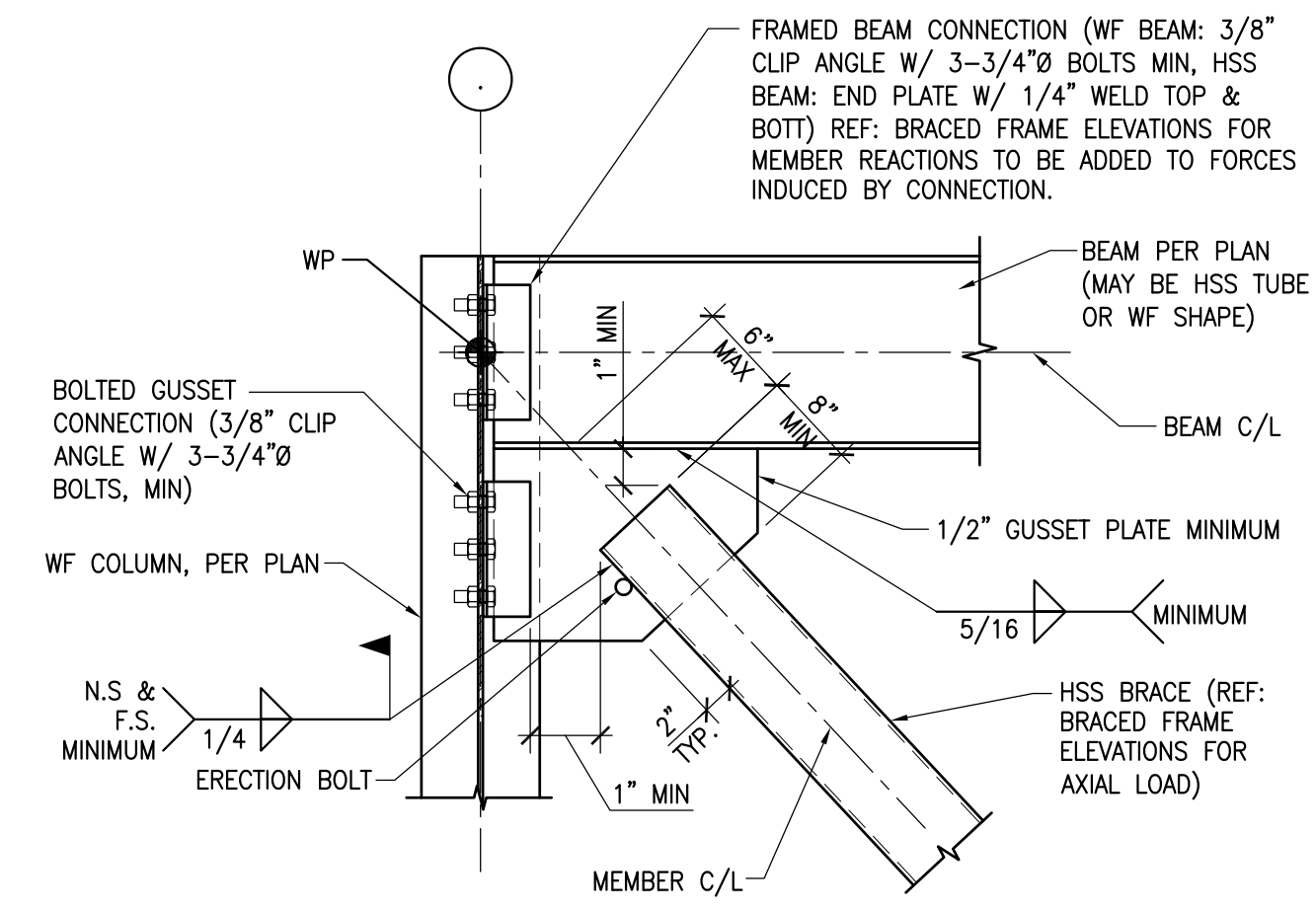
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S402 NTS



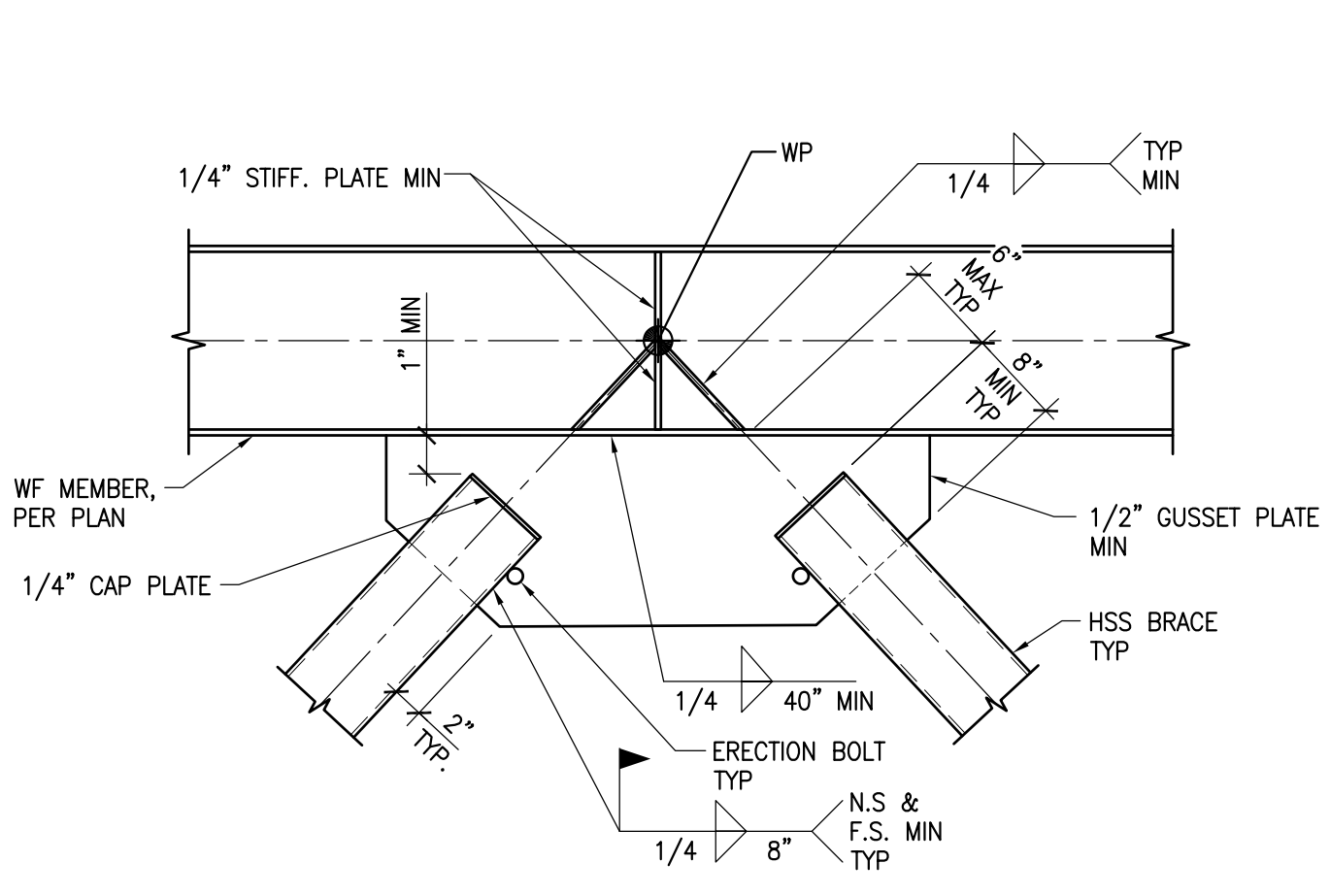
2 BRACED FRAME DETAIL
S402 NTS



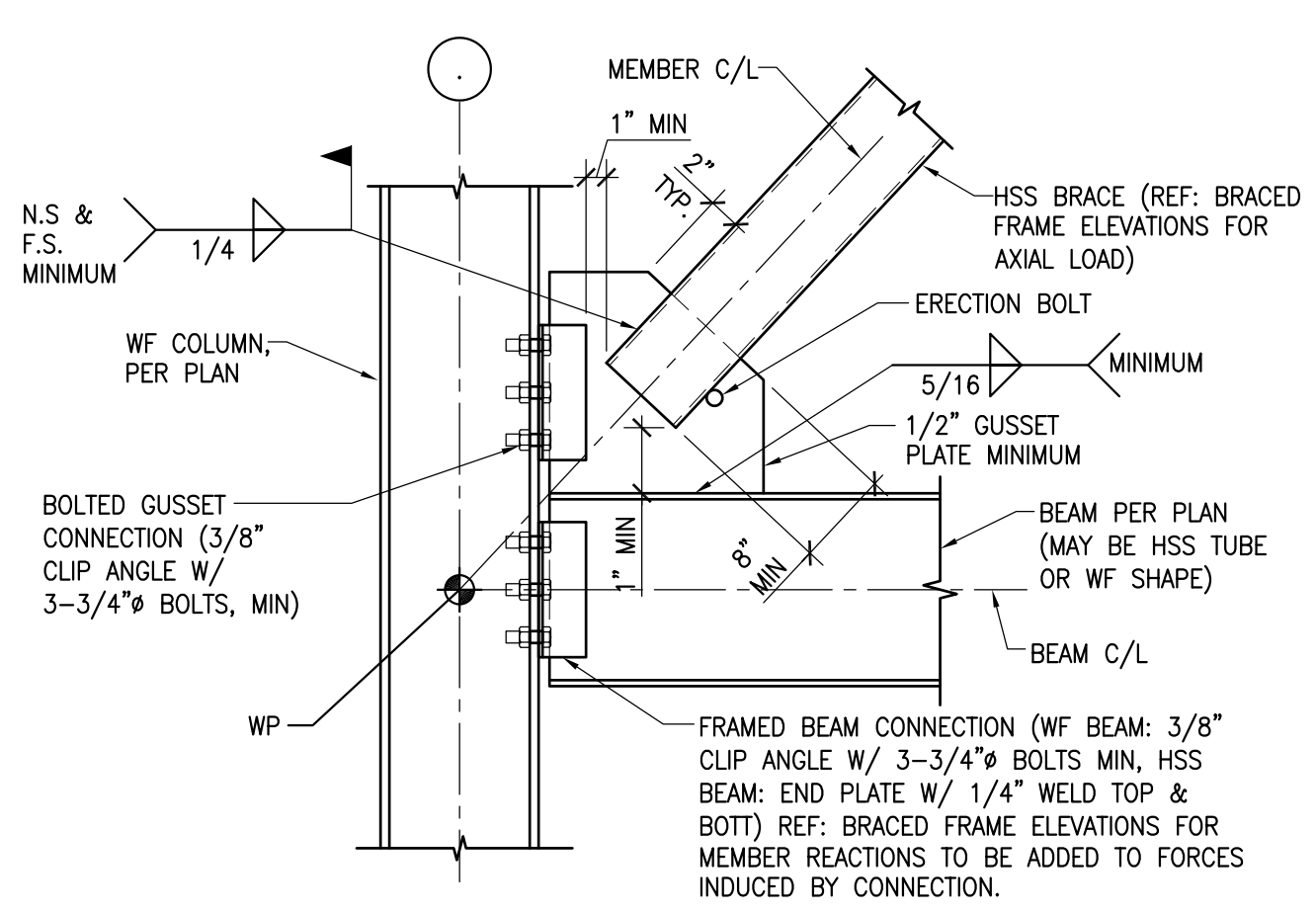
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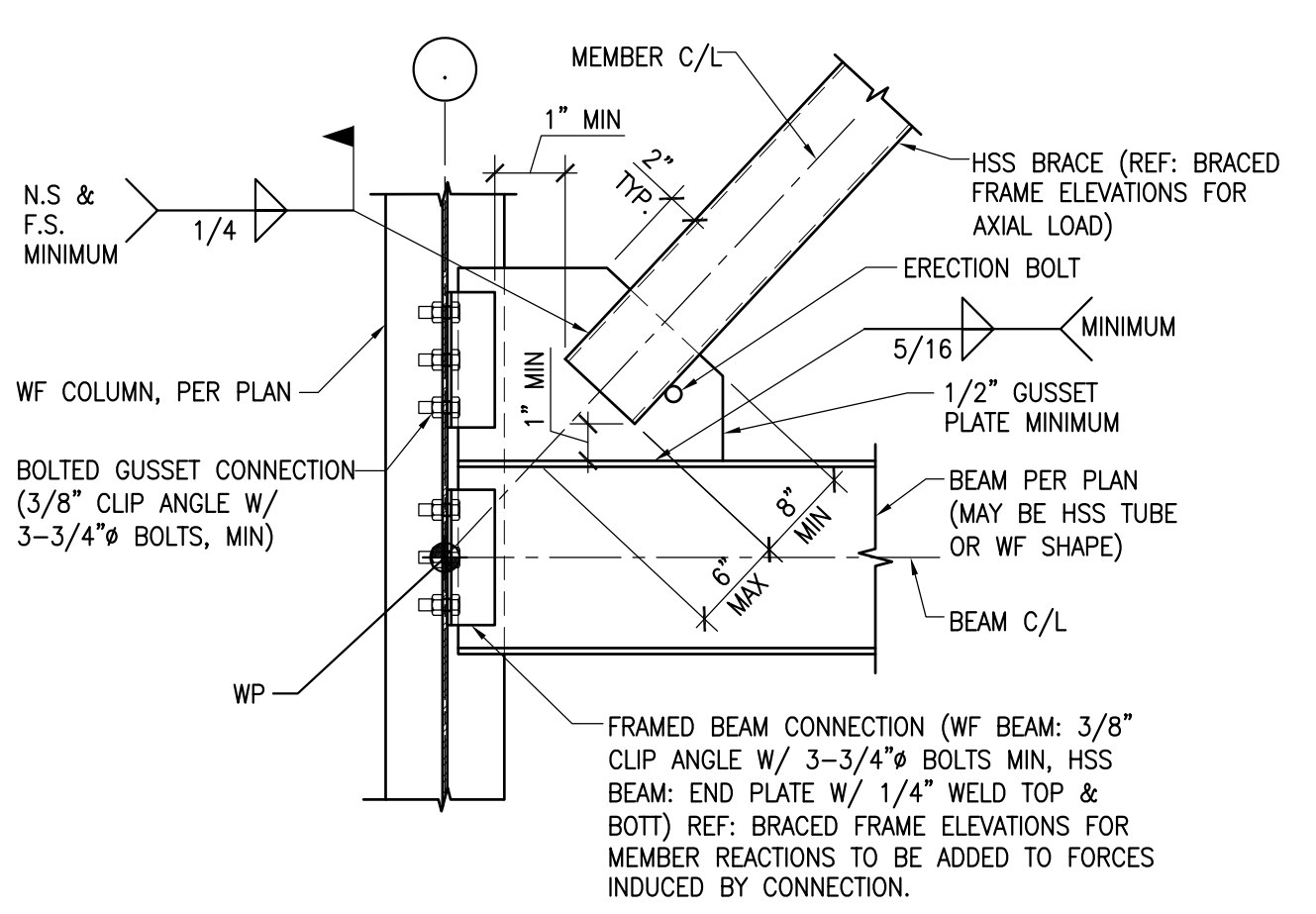
4 BRACED FRAME DETAIL
S402 NTS



5 BRACED FRAME DETAIL
S402 NTS

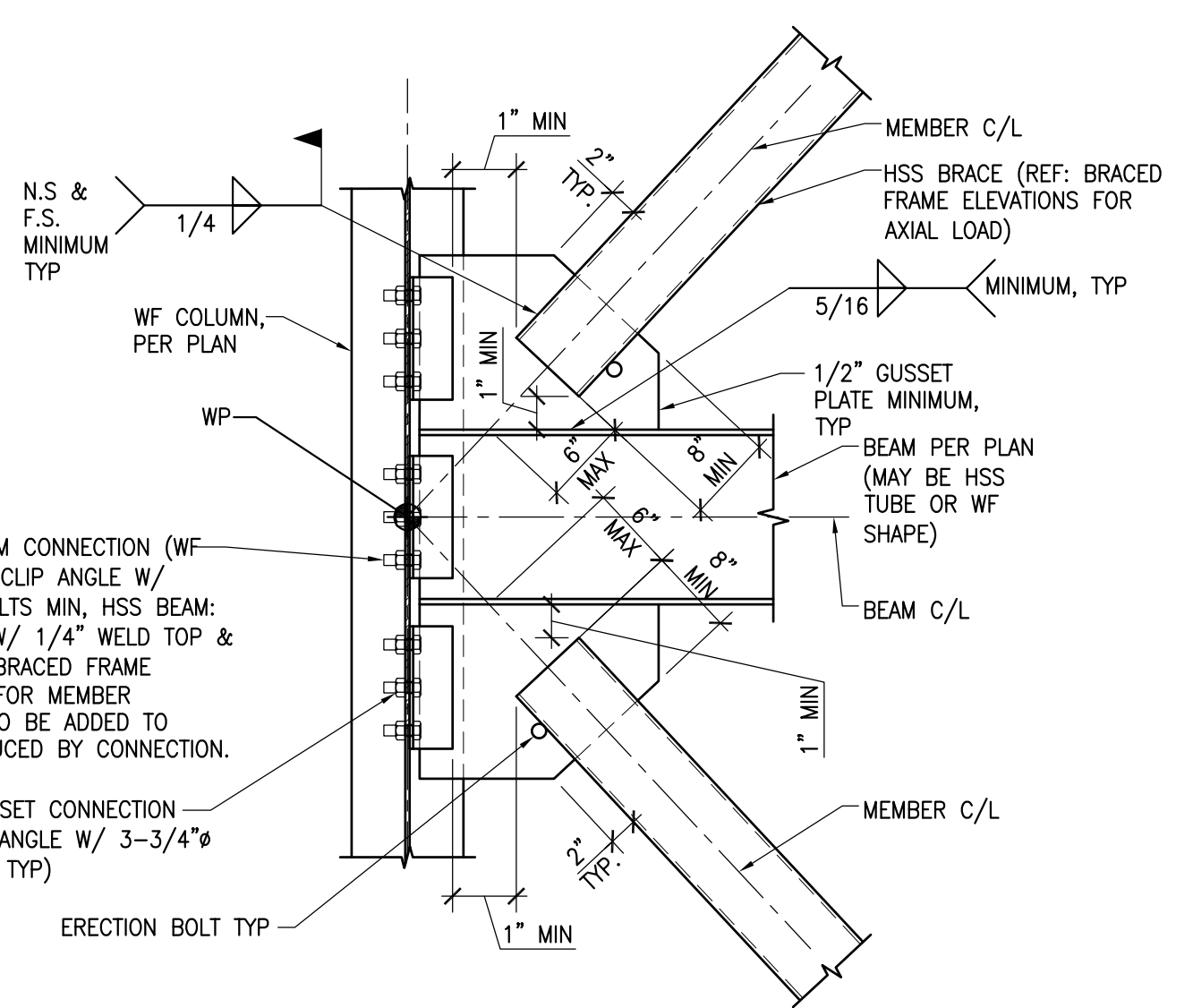


6 BRACED FRAME DETAIL
S402 NTS

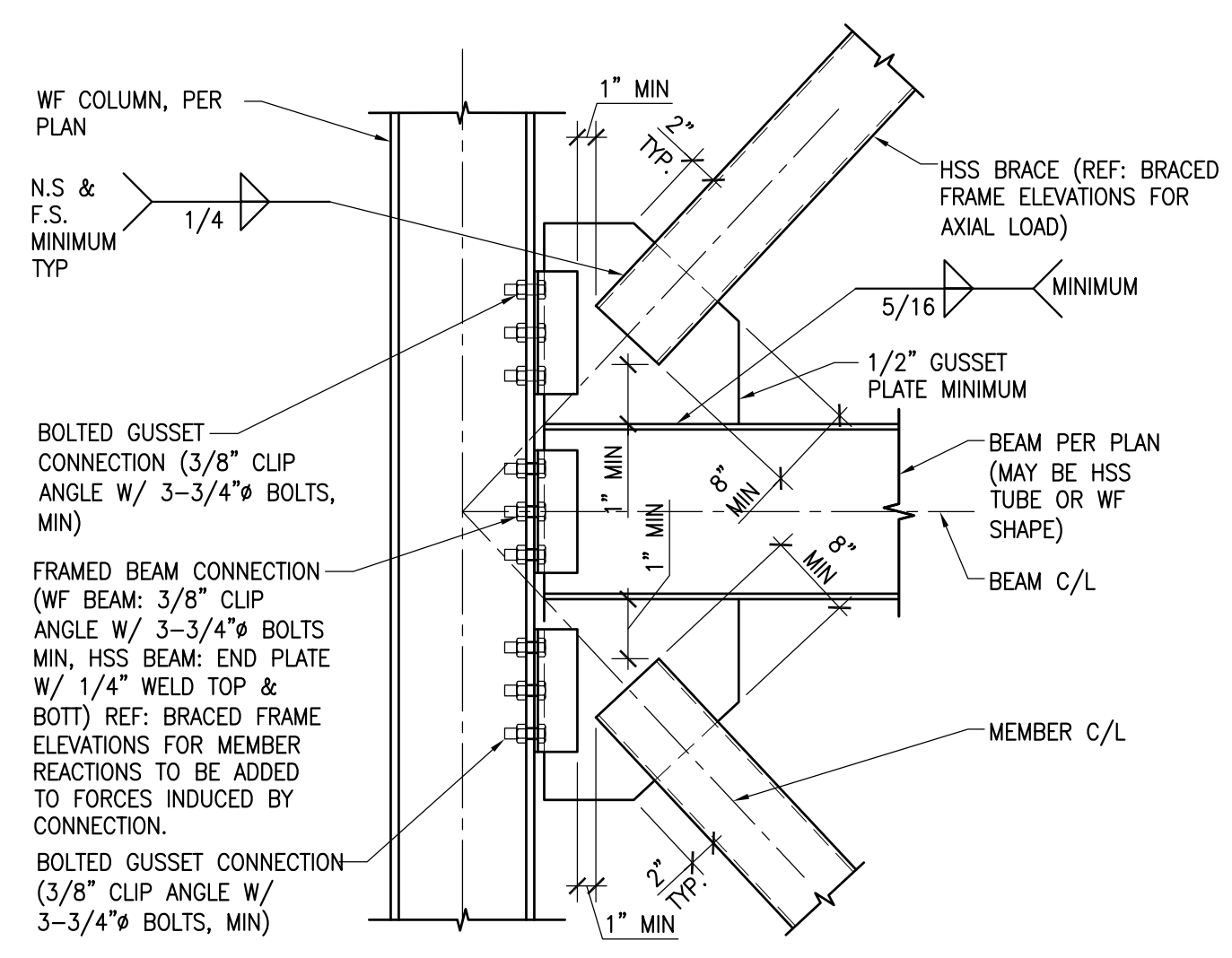


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S402 NTS

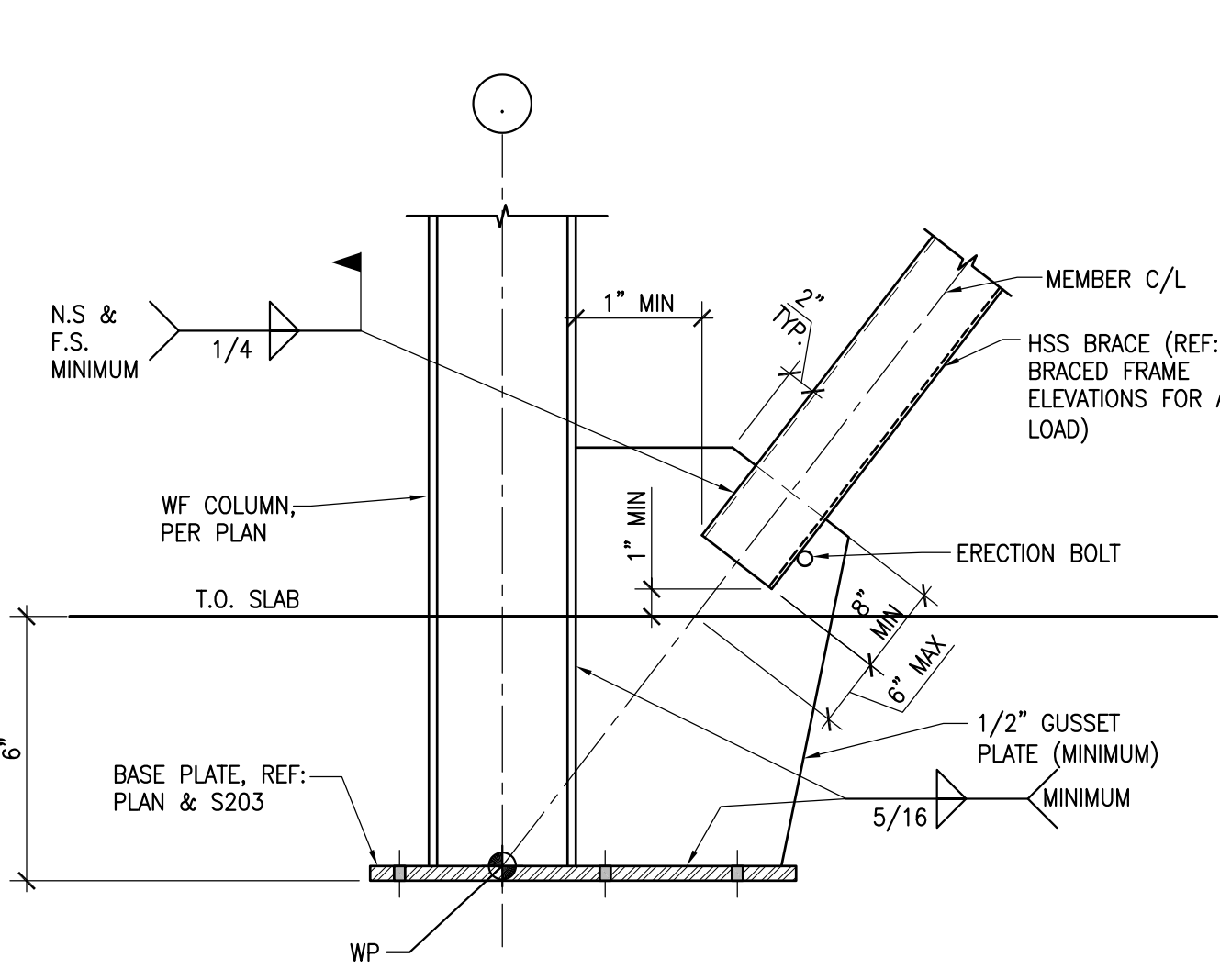
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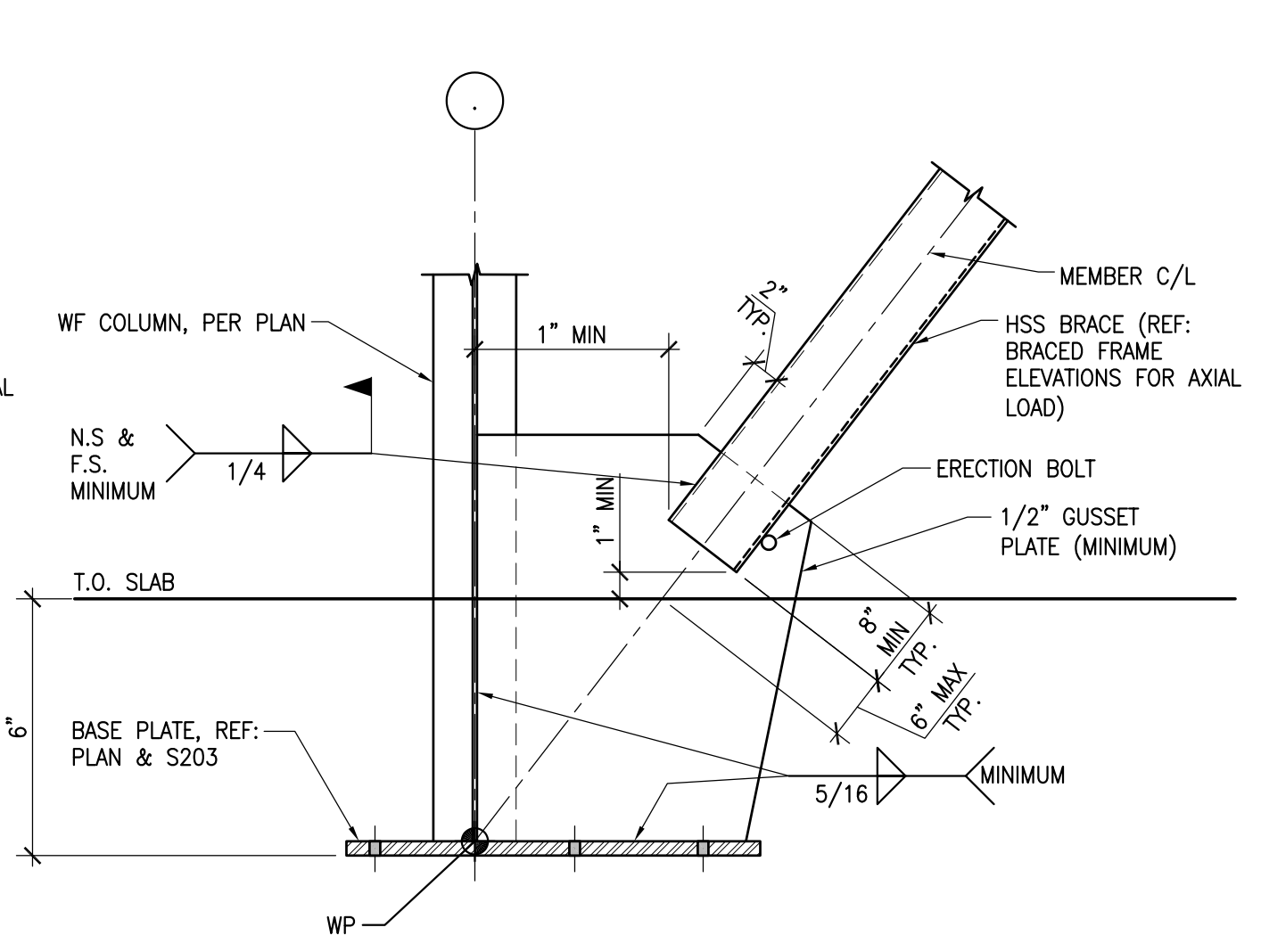
9 BRACED FRAME DETAIL
S402 NTS



10 BRACED FRAME DETAIL
S402 NTS



11 BRACED FRAME DETAIL
S402 NTS



12 BRACED FRAME DETAIL
S402 NTS

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SIZELER THOMPSON BROWN ARCHITECTS
REGIONAL DESIGN GROUP, LLC
300 LAFAYETTE STREET, SUITE 200
NEW ORLEANS, LOUISIANA 70130
(504) 523-6472 FAX (504) 529-1181

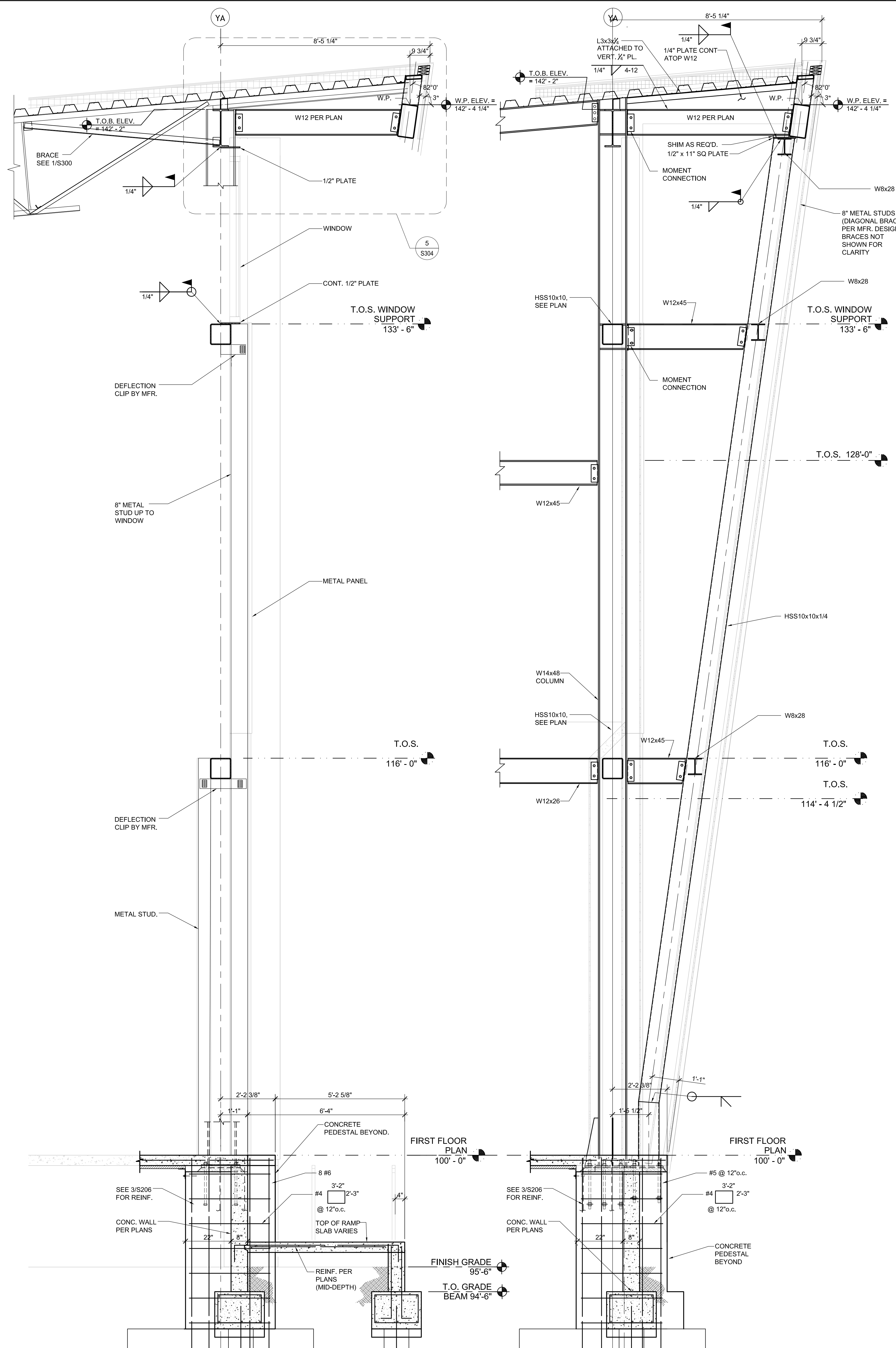
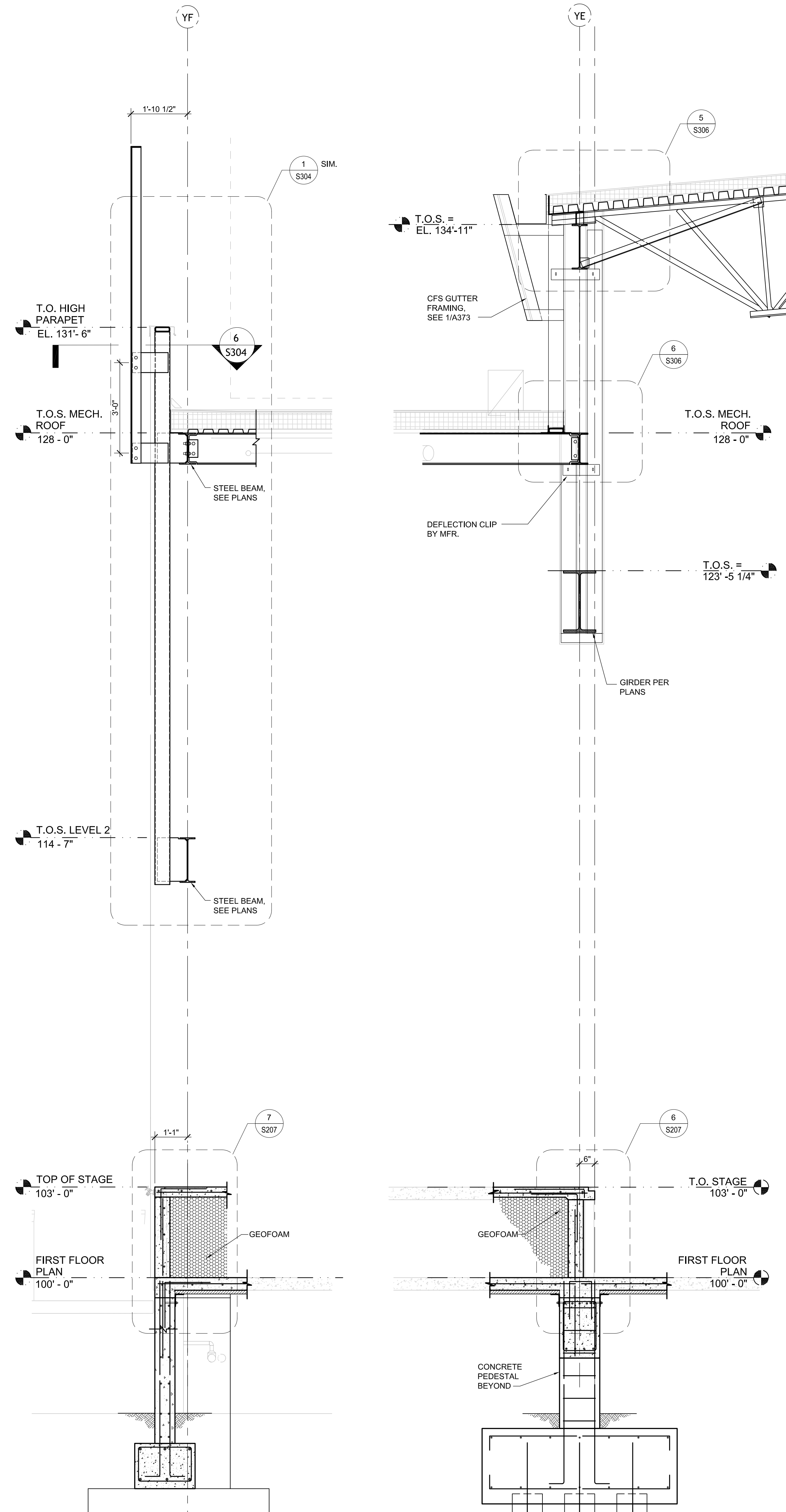
REVISIONS		
No.	DESCRIPTION	DATE

**JEFFERSON PARISH BUSINESS PARK:
SCIENCE AND TECHNOLOGY ACADEMY AND
CONFERENCE CENTER**
701 CHURCHHILL PKWY, AVONDALE LA

BRACED FRAME DETAILS

	project number	21161.00	drawing number	S402
	date	11-27-19		
	phase	100% C.D.		

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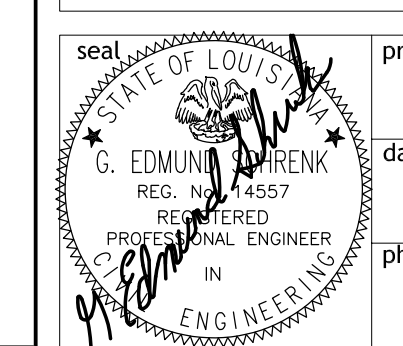


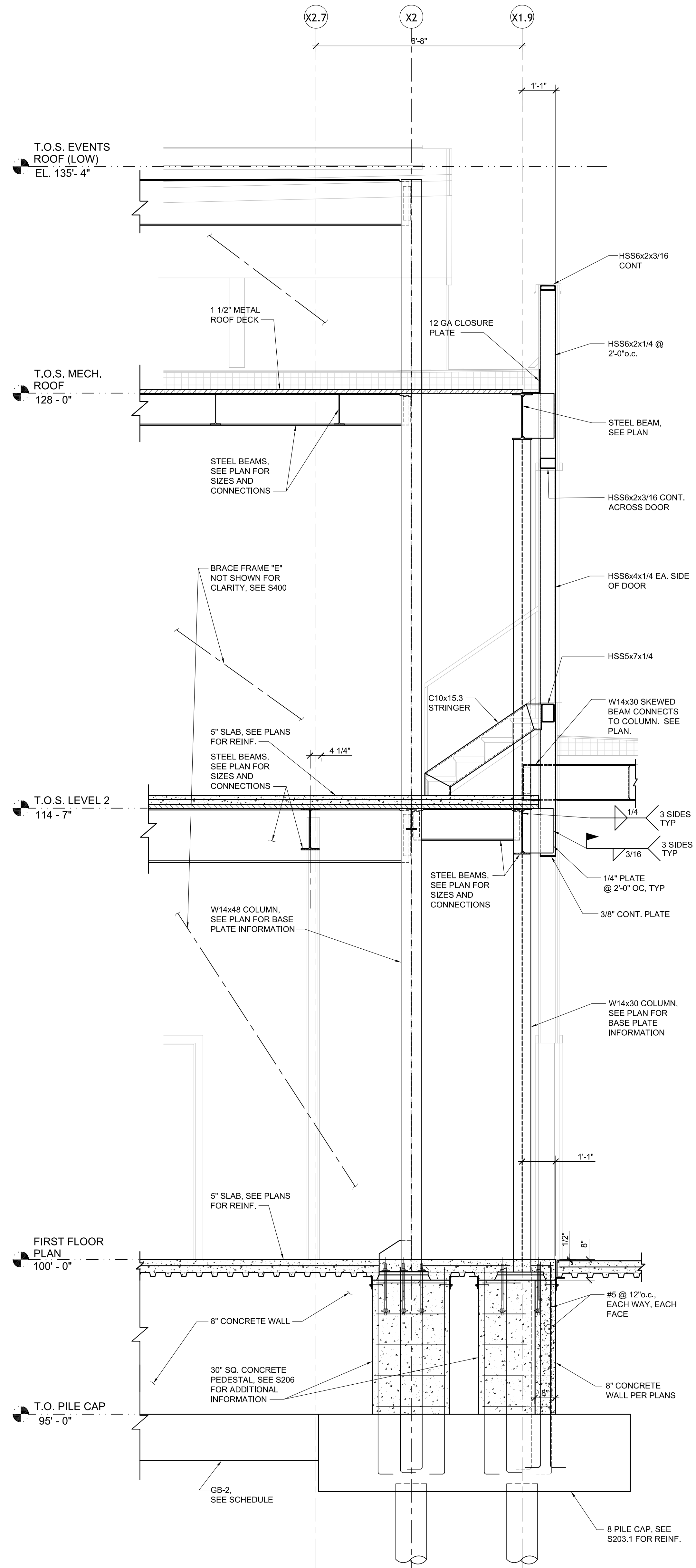
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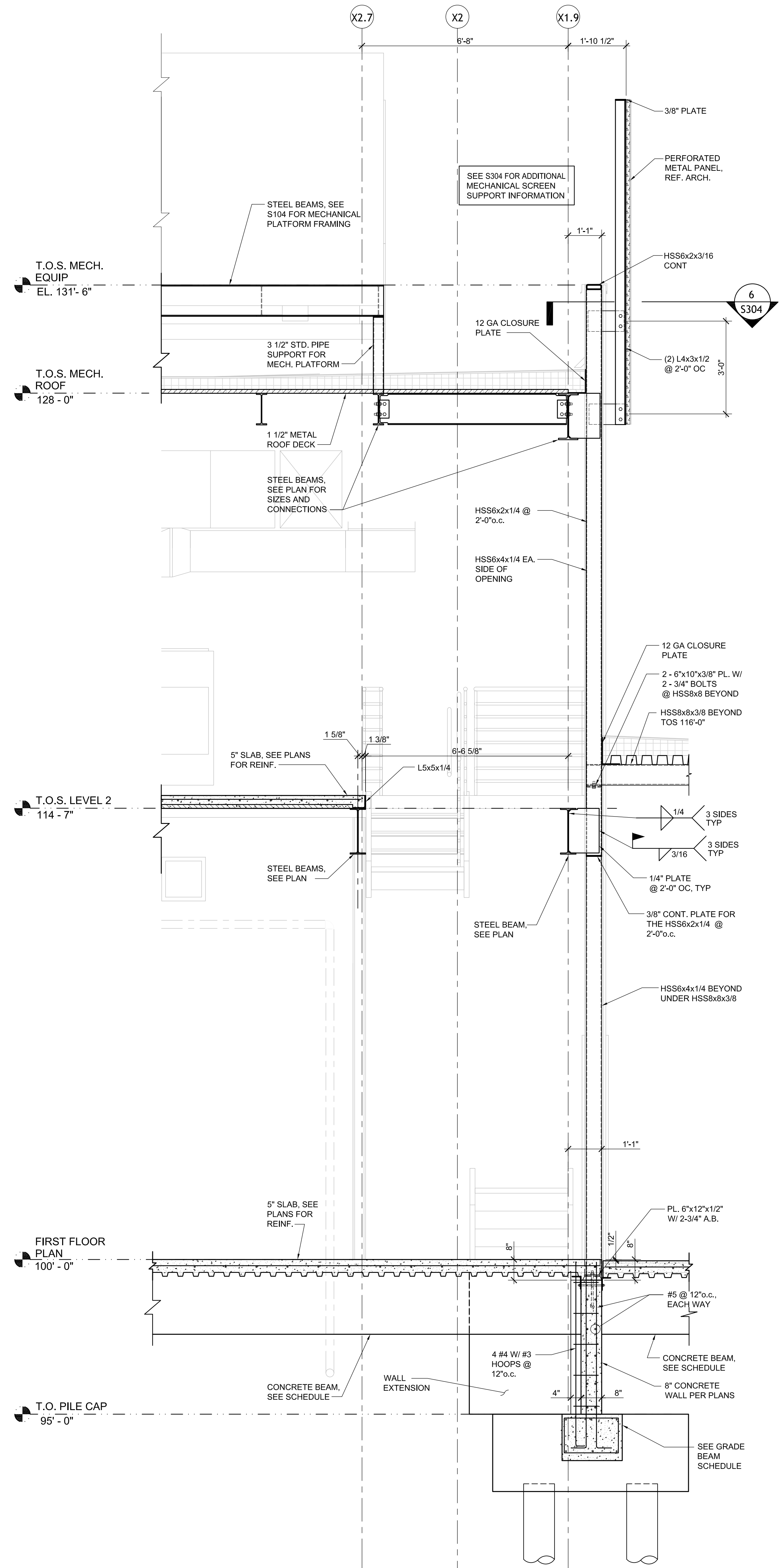
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701 CHURCHILL PKWY, AVONDALE LA

project number	21161.00	drawing number	S403
date	11-27-19	phase	
100% C.D.			





1 WALL SECTION
1/2" = 1'-0"



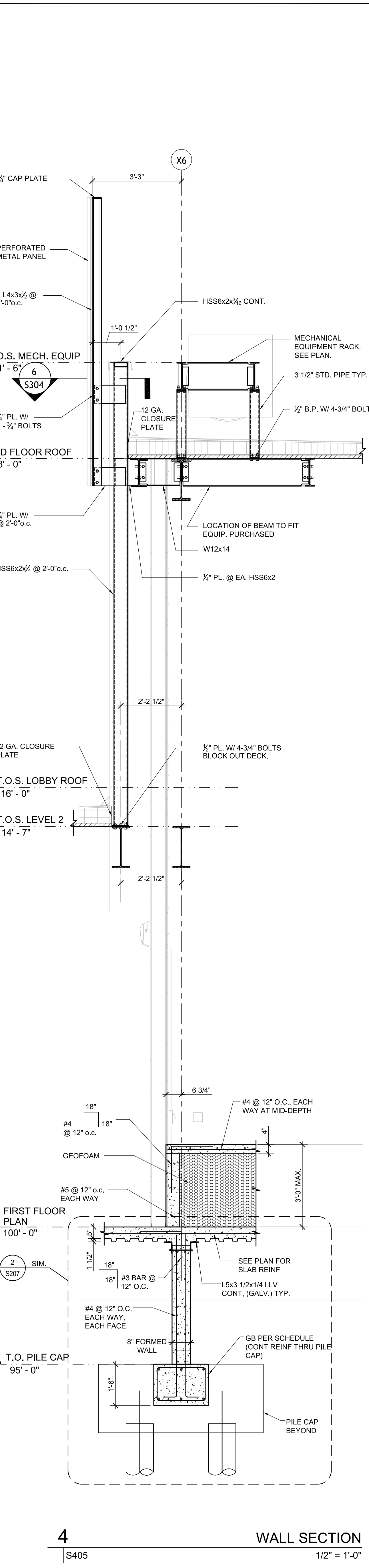
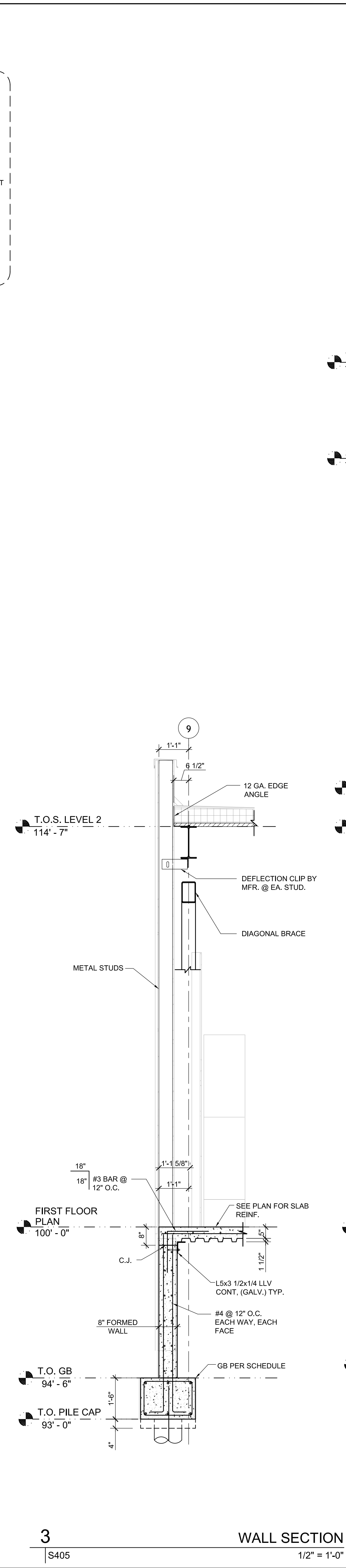
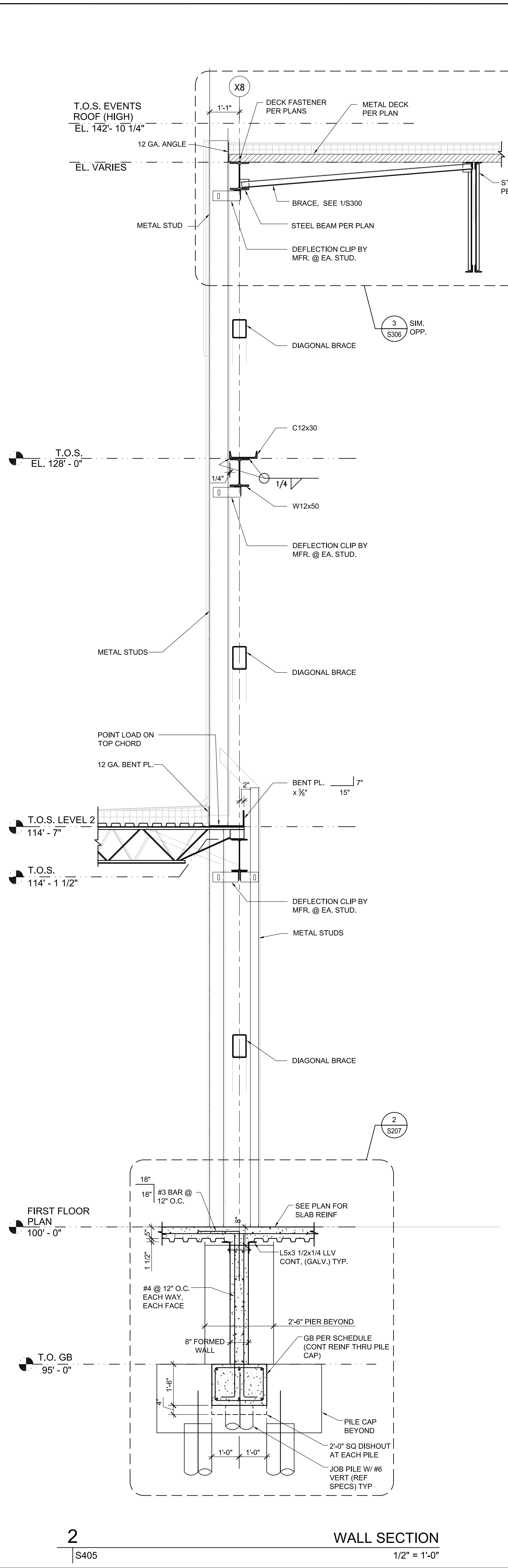
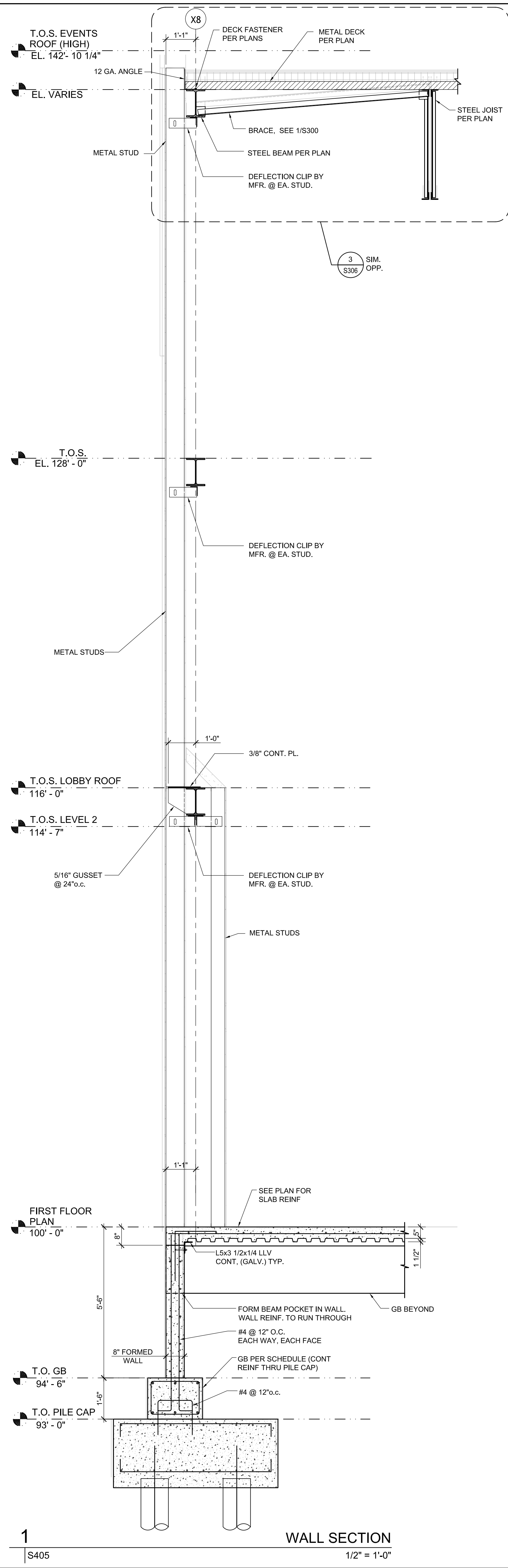
2 WALL SECTION
1/2" = 1'-0"

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WALL SECTIONS		
project number	21161.00	drawing number
date	11-27-19	S404
phase	100% C.D.	



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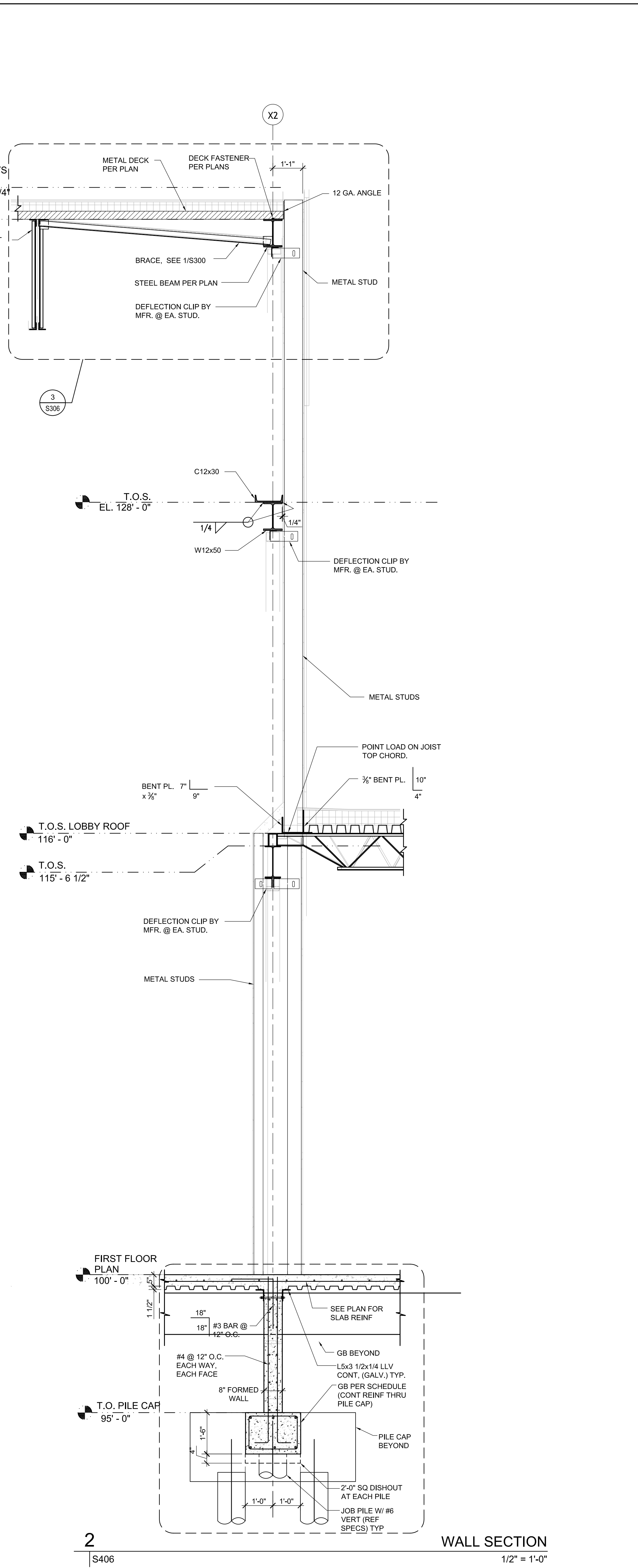
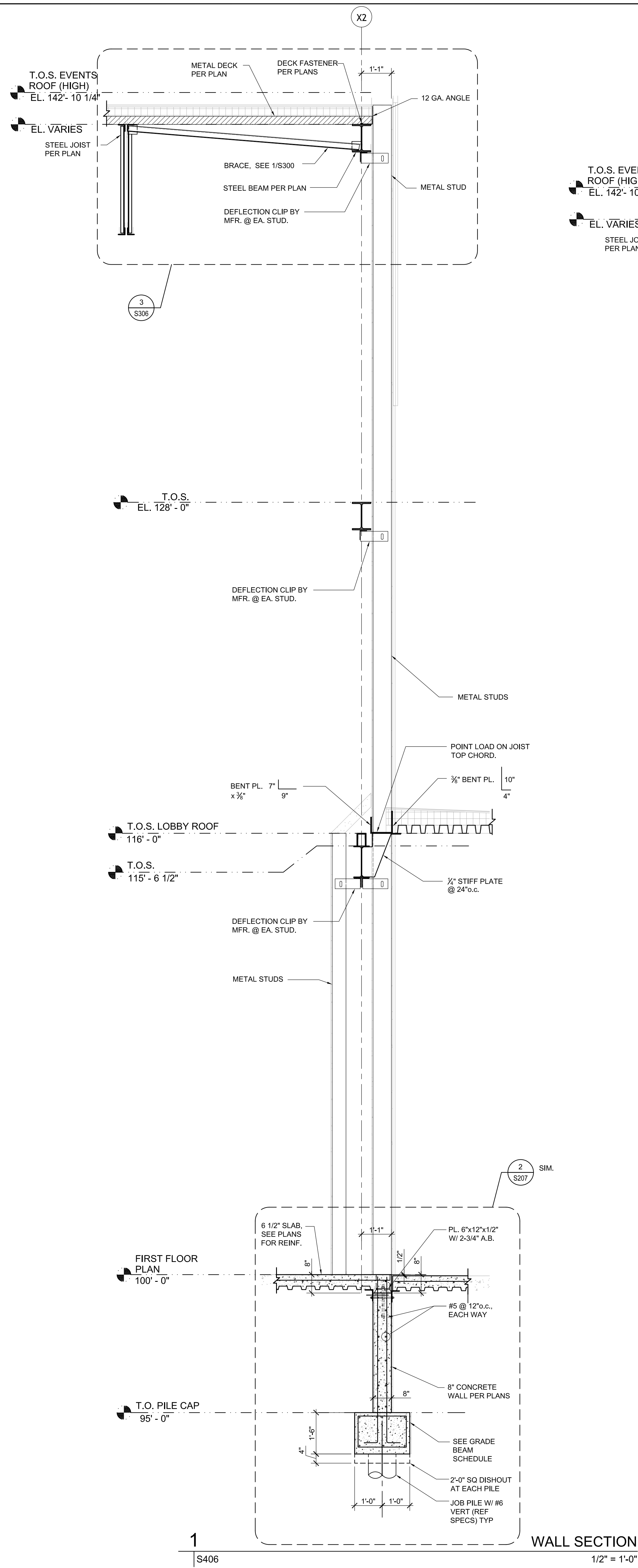
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No.	DESCRIPTION	DATE

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701 CHURCHHILL PKWY, AVONDALE LA

project number	21161.00	drawing number	S405
date	11-27-19	phase	100% C.D.

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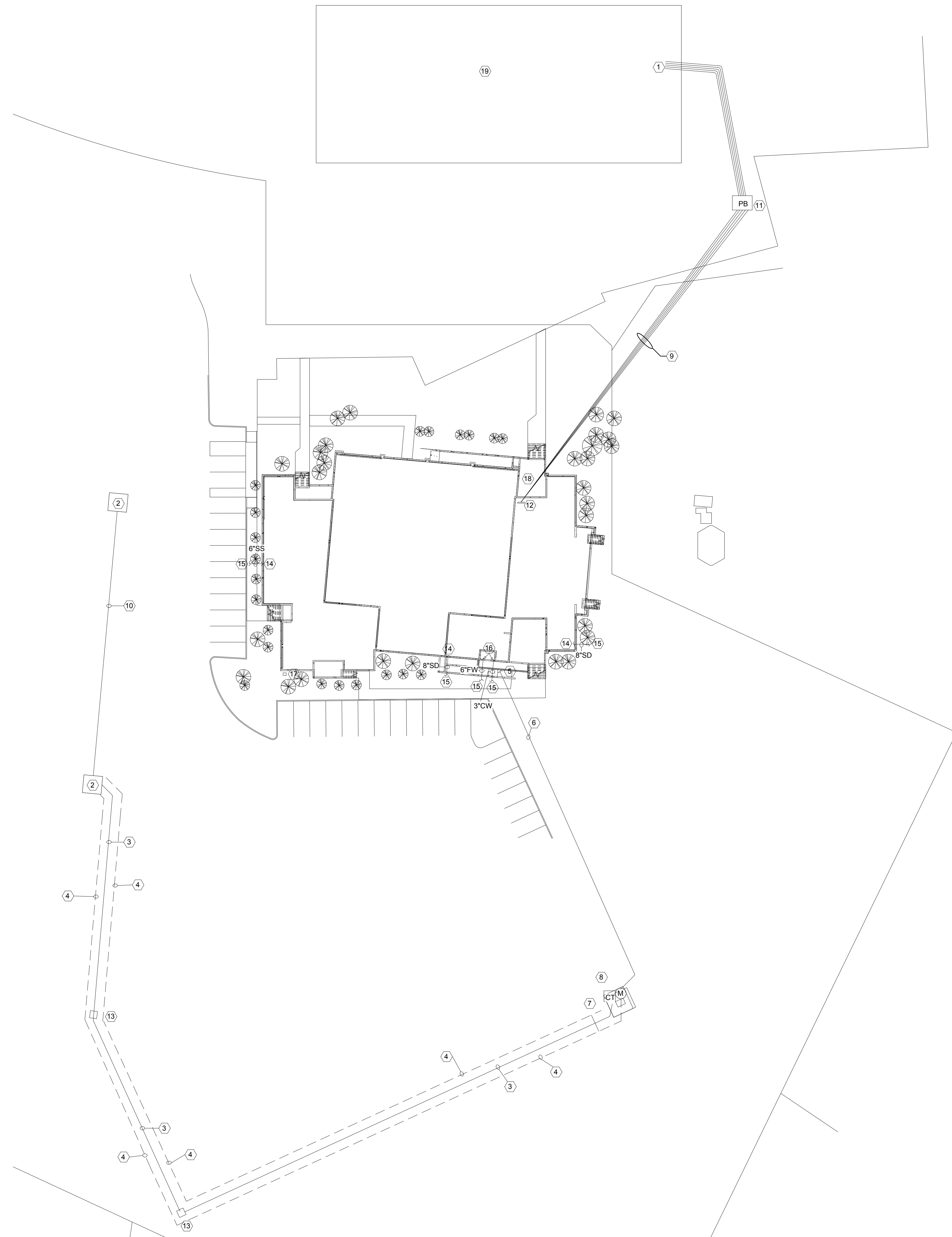
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No.	DESCRIPTION	DATE

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	project number	21161.00	drawing number	S406
	date	11-27-19		
	phase	100% C.D.		

11/07/2019 10:28 AM



GENERAL NOTES THIS SHEET:

- A. ALL RACEWAYS LESS THAN 70 FEET SHALL BE 1/2" C AND SHALL CONTAIN 2-#12 AWG AND 1-#12 GRD.; 70 FEET TO 120 FEET SHALL BE 3/4" C AND SHALL CONTAIN 2-#10 AWG AND 1-#10 GRD.; 120 FEET TO 200 FEET SHALL BE 1" C AND SHALL CONTAIN 2-#8 AWG AND 1-#8 GRD.; UNLESS NOTED OTHERWISE.
- B. HATCH LINES DO NOT INDICATE GROUND WIRE.
- C. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS PRIOR TO INSTALLATION.
- D. PROVIDE UNISTRUT FRAMING AS REQUIRED FOR MOUNTING OF DISCONNECT SWITCHES.
- E. ALL ELECTRICAL SYSTEMS, EQUIPMENT AND COMPONENTS SHALL BE LOCATED AT OR ABOVE BASE FLOOD ELEVATION AS PER IBC.

SPECIFIC NOTES THIS SHEET:

- 1 APPROXIMATE LOCATION OF MAIN CAMPUS FACP- VERIFY EXACT LOCATION ON SITE. SEE SHEET E301 FOR CONDUIT SIZE(S) REQUIRED.
- 2 APPROXIMATE LOCATION OF EXISTING ENERGY MANHOLE. VERIFY EXACT LOCATION ON SITE. COORDINATE WITH ENERGY FOR EXACT LOCATION OF MANHOLE.
- 3 UNDERGROUND ELECTRICAL SERVICE: PROVIDE 4" C AND 1-4" C SPARE SCH. 40 PVC CONDUIT WITH 48" COVER. PROVIDE METALLIC TRACER TAPE 12" ABOVE CONDUIT. CONDUCTORS SHALL BE PROVIDED BY ENERGY. CONTRACTOR SHALL COORDINATE REQUIREMENTS AND ALL ASSOCIATED FEES WITH ENERGY FOR CONDUCTORS REQUIREMENT FOR THE NEW BUILDING SERVICE. CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH PROVIDING NEW SERVICE TO BUILDING. SEE FEEDER DIAGRAM SHEET E401 FOR ADDITIONAL ELECTRICAL REQUIREMENT. ALL CONDUIT SHALL BE ENCASED IN CONCRETE UNDER ROADWAY PER ENERGY REQUIREMENTS.
- 4 ENERGY TEN(10) FOOT EXCLUSIVE SERVICE, VERIFY AND COORDINATE REQUIREMENTS WITH ENERGY.
- 5 TO MAIN SERVICE PANEL: SEE SHEET E201 FOR PANEL LOCATION.
- 6 SEE ELECTRICAL FEEDER DIAGRAM SHEET E401 FOR ADDITIONAL ELECTRICAL REQUIREMENTS.
- 7 TRANSFORMER BY ENERGY. VERIFY ALL REQUIREMENTS WITH ENERGY. SEE ELECTRICAL FEEDER DIAGRAM FOR ADDITIONAL ELECTRICAL REQUIREMENTS.
- 8 CT AND METER BY ENERGY. VERIFY AND COORDINATE REQUIREMENTS WITH ENERGY. SEE ELECTRICAL FEEDER DIAGRAM SHEET E401 FOR ADDITIONAL ELECTRICAL REQUIREMENTS.
- 9 SEE E301 FOR CONDUIT REQUIREMENTS FROM IT ROOM 102.2 NEW BUILDING TO EXISTING I.T./SERVER/SECURITY SYSTEM ROOM. COORDINATE EXACT LOCATIONS WITH ARCHITECT.
- 10 APPROXIMATE ROUTING OF EXISTING U.G. CONDUIT TO EXISTING ENERGY MANHOLES TO BE USED FOR BUILDING SERVICE ENTRANCE. CONTRACTOR SHALL COORDINATE CONDUCTORS REQUIREMENT WITH ENERGY AND SHALL PAY ALL FEES ASSOCIATED WITH ENERGY AND ALL OTHER ENTITIES ASSOCIATED WITH NEW BUILDING SERVICE. VERIFY ON SITE. CONTACT ENERGY: CHAD AUCTION, CAUCO13@ENERGY.COM, 985-785-4317 FOR ADDITIONAL INFORMATION.
- 11 PROVIDE 36" X 36" X 36" COMMUNICATIONS PULLBOX. HUBBELL OPEN BOTTOM TELECOMMUNICATIONS PULL BOX MODEL: B16363636A
- 12 APPROXIMATE LOCATION OF NEW BUILDING TELECOMMUNICATIONS/FIRE ALARM/SECURITY AND INTERCOM SYSTEMS. COORDINATE FINAL AND EXACT LOCATIONS WITH ARCHITECT AND OWNER. SEE E301 FOR ADDITIONAL INFORMATION.
- 13 NEW ELECTRICAL SERVICE HANDHOLE. VERIFY AND COORDINATE REQUIREMENTS WITH ENERGY. SEE ELECTRICAL FEEDER DIAGRAM SHEET E401 FOR ADDITIONAL ELECTRICAL REQUIREMENTS.
- 14 SEE SHEET P101 FOR CONTINUATION.
- 15 SEE CIVIL DRAWINGS FOR CONTINUATION.
- 16 SEE SHEET P102 FOR CONTINUATION.
- 17 NATURAL GAS METER. SEE SHEET P102 FOR REQUIREMENTS.
- 18 SEE SHEET E301 FOR ROUTING TO IT ROOM 102.2.
- 19 APPROXIMATE LOCATION OF EXISTING BUILDING.

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 NEW ORLEANS, LOUISIANA 70130
 (504) 523-6472 FAX (504) 529-1181

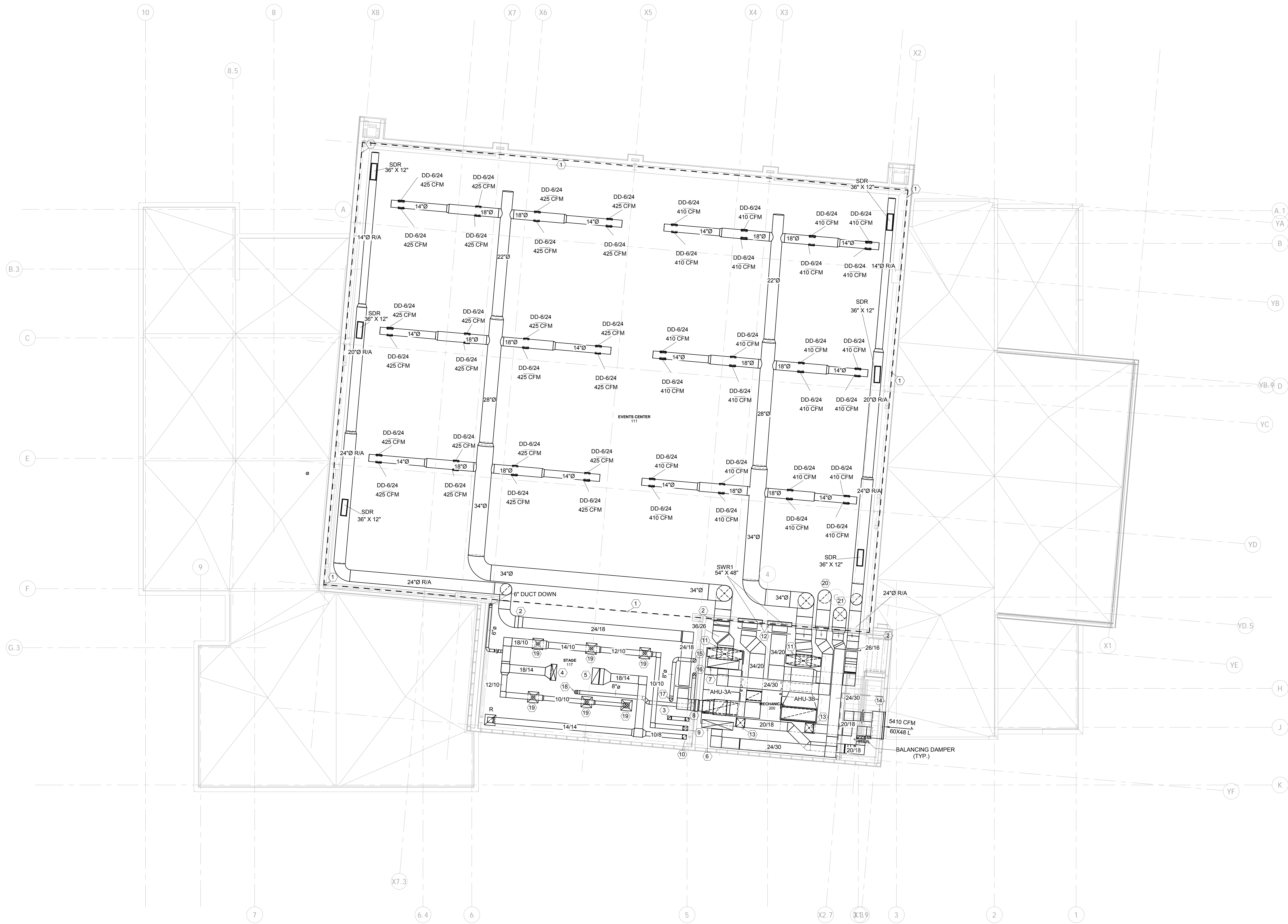
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No.	DESCRIPTION	DATE

**JEFFERSON PARISH BUSINESS PARK:
 SCIENCE AND TECHNOLOGY ACADEMY AND
 CONFERENCE CENTER**
 701 CHURCHILL PKWY., AVONDALE, LA

SITE PLAN - MECHANICAL AND ELECTRICAL

seal	project number	drawing number	
	21161.00	ME101	
	date		11-27-19
	phase		100% CD
NOVEMBER 27, 2019	100% CD		

10/09/17 10:20 AM



1 SECOND FLOOR PLAN - HVAC
 M102 1/8" = 1'-0"

GENERAL NOTES THIS SHEET:

- A. DUCT SIZES SHOWN ARE FREE AREA SIZES. SEE SPECIFICATIONS FOR DUCT MATERIALS AND INSULATION REQUIRED. INSULATE DIFFUSER BACK PANS WITH 2" FOAM FACED FIBERGLASS INSULATION. SEAL AND SECURE TO ENSURE VAPOR SEAL. SEE SHEET M302 FOR DETAILS.
- B. COORDINATE EXACT ROUTING OF ALL DUCTWORK SO AS NOT TO CONFLICT WITH OTHER TRADES. COORDINATE EXACT LOCATION OF ALL CEILING GRILLES WITH GRID, LIGHTS, ETC. ALL DUCTWORK SHALL BE ROUTED TIGHT TO STRUCTURE.
- C. CONTRACTOR IS CAUTIONED NOT TO FABRICATE OR INSTALL ANY DUCTWORK UNTIL DUCTWORK SHOP DRAWINGS HAVE BEEN SUBMITTED AND APPROVED BY ARCHITECT. REPRODUCTION OF CONTRACT DOCUMENTS NOT ACCEPTABLE.
- D. FLEX DUCT RUN OUTS TO SUPPLY AIR CEILING DIFFUSERS SHALL MATCH DIFFUSER NECK SIZES. MAXIMUM FLEX DUCT RUN OUTS SHALL BE LIMITED TO 5'-0". SUBSTITUTE RIGID METAL ROUND DUCT IN LIEU THEREOF.
- E. FLEXIBLE DUCT CONNECTIONS SHALL BE MECHANICALLY FASTENED AND SEALED TO PREVENT LEAKAGE.
- F. PROVIDE FIRE DAMPERS IN ALL RATED PARTITIONING WHERE DUCTWORK PENETRATES. SEE SHEET M302 FOR INSTALLATION DETAILS.
- G. SEE SHEET M302 FOR ALL DUCT BRANCH CONNECTION REQUIREMENTS.
- H. PROVIDE MINIMUM 3" CLEARANCE BETWEEN VAV BOX CONTROL ACCESS AND PIPING, LIGHTS AND DUCTWORK. COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION.
- I. CONTRACTOR TO REFER TO ROOF PIPE PENETRATION DETAIL ON SHEET M302 FOR REFRIGERANT PIPING ROOF PENETRATIONS. COORDINATE ALL ROOF PENETRATIONS WITH ARCHITECT.

SPECIFIC NOTES THIS SHEET:

- 1. ALL EXPOSED DUCTWORK IN THIS AREA IS TO BE DOUBLE-WALL SPIRAL DUCT. SEE SPECIFICATIONS FOR FURTHER DETAIL.
- 2. RECTANGULAR DUCT TO SPIRAL DUCT TRANSITION.
- 3. 8" X 8" EXHAUST DUCT UP TO EF-4 ON ROOF.
- 4. RETURN AIR DUCT UP TO AHU-2 ON ROOF TO BE FULL SIZE OF UNIT OPENING, TURN HORIZONTALLY AND TRANSITION TO 18" X 14" RETURN AIR DUCT.
- 5. SUPPLY AIR DUCT UP TO AHU-2 ON ROOF TO BE FULL SIZE OF UNIT OPENING, TURN HORIZONTALLY AND TRANSITION TO 18" X 14" SUPPLY AIR DUCT.
- 6. SUPPLY AIR DUCT UP TO AHU-4 ON ROOF TO BE FULL SIZE OF UNIT OPENING. EXTEND FULL SIZE PLENUM DOWN AND PROVIDE DUCT TAP FOR 24" X 30" SUPPLY AIR DUCT.
- 7. RETURN AIR DUCT UP TO AHU-4 ON ROOF TO BE FULL SIZE OF UNIT OPENING. EXTEND FULL SIZE PLENUM DOWN AND PROVIDE DUCT TAP FOR 24" X 30" RETURN AIR DUCT.
- 8. 8" X 8" EXHAUST AIR DUCT DOWN.
- 9. 10" X 10" SUPPLY AIR DUCT DOWN.
- 10. 16" X 12" RETURN AIR DUCT DOWN.
- 11. SUPPLY AIR DUCT FROM AIR HANDLER, RISE UP AND TURN HORIZONTALLY AT UNDERSIDE OF STRUCTURE.
- 12. PROVIDE FULL SIZE RETURN AIR SHEET METAL PLENUM ON BACK OF LOUVER, PLENUM TO BE 12" DEEP.
- 13. 20" X 18" OUTSIDE AIR DUCT DOWN TO OUTSIDE AIR PLENUM.
- 14. PROVIDE FULL SIZE OUTSIDE AIR SHEET METAL PLENUM ON BACK OF LOUVER, PLENUM TO BE 24" DEEP.
- 15. 8"Ø WATER HEATER FLUE VENT DOWN TO FIRST FLOOR.
- 16. 8"Ø WATER HEATER COMBUSTION AIR INTAKE DOWN TO FIRST FLOOR.
- 17. 8"Ø WATER HEATER FLUE VENT UP TO ROOF.
- 18. 8"Ø WATER HEATER COMBUSTION AIR VENT UP TO ROOF.
- 19. 8"Ø - D. INSTALL BALANCING DAMPER AT DUCT TAP, BALANCE TO 215 CFM.
- 20. 28"Ø RETURN AIR DUCT DOWN. SEE SHEET M101 FOR CONTINUATION.
- 21. 28"Ø SUPPLY AIR DUCT DOWN. SEE SHEET M101 FOR CONTINUATION.

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 300 LAFAYETTE STREET, SUITE 200
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 (504) 523-6472 FAX (504) 529-1181

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JEFFERSON PARISH BUSINESS PARK:
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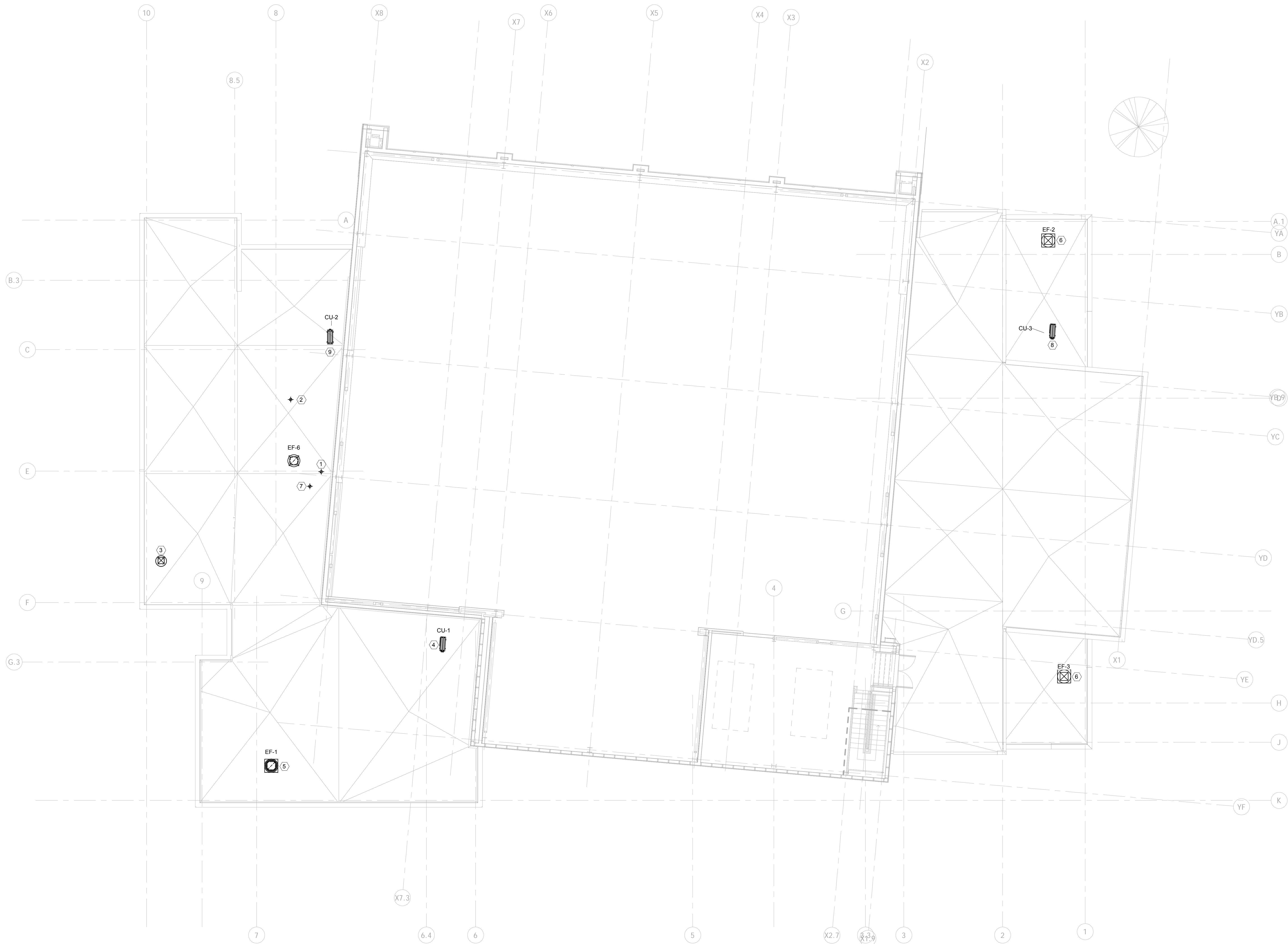
SECOND FLOOR PLAN - HVAC

project number	21161.00	drawing number	M102
date	11-27-19	phase	100% CD
NOVEMBER 27, 2019			

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10/09/17 10:00 AM



1 LOWER ROOF PLAN - MECHANICAL
 M103 1/8" = 1'-0"

GENERAL NOTES THIS SHEET:

- A. DUCT SIZES SHOWN ARE FREE AREA SIZES. SEE SPECIFICATIONS FOR DUCT MATERIALS AND INSULATION REQUIRED. INSULATE DIFFUSER BACK PANS WITH 2" FOIL FACED FIBERGLASS INSULATION. SEAL AND SECURE TO ENSURE VAPOR SEAL. SEE SHEET M302 FOR DETAILS.
- B. COORDINATE EXACT ROUTING OF ALL DUCTWORK SO AS NOT TO CONFLICT WITH OTHER TRADES. COORDINATE EXACT LOCATION OF ALL CEILING GRILLES WITH GRID, LIGHTS, ETC. ALL DUCTWORK SHALL BE ROUTED TIGHT TO STRUCTURE.
- C. CONTRACTOR IS CAUTIONED NOT TO FABRICATE OR INSTALL ANY DUCTWORK UNTIL DUCTWORK SHOP DRAWINGS HAVE BEEN SUBMITTED AND APPROVED BY ARCHITECT. REPRODUCTION OF CONTRACT DOCUMENTS NOT ACCEPTABLE.
- D. FLEX DUCT RUN OUTS TO SUPPLY AIR CEILING DIFFUSERS SHALL MATCH DIFFUSER NECK SIZES. MAXIMUM FLEX DUCT RUN OUTS SHALL BE LIMITED TO 5'-0". SUBSTITUTE RIGID METAL ROUND DUCT IN LIEU THEREOF.
- E. FLEXIBLE DUCT CONNECTIONS SHALL BE MECHANICALLY FASTENED AND SEALED TO PREVENT LEAKAGE.
- F. PROVIDE FIRE DAMPERS IN ALL RATED PARTITIONING WHERE DUCTWORK PENETRATES. SEE SHEET M302 FOR INSTALLATION DETAILS.
- G. SEE SHEET M302 FOR ALL DUCT BRANCH CONNECTION REQUIREMENTS.
- H. PROVIDE MINIMUM 3" CLEARANCE BETWEEN VAV BOX CONTROL ACCESS AND PIPING, LIGHTS AND DUCTWORK. COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION.
- I. ALL HYDRONIC PIPING SHALL BE RUN ABOVE CEILING UNLESS NOTED OTHERWISE. ROUTE ALL PIPING TIGHT TO STRUCTURE. OFFSET UNDER BEAMS AS REQUIRED. SEE SPECIFICATIONS FOR PIPING INSULATION REQUIRED.
- J. COORDINATE EXACT ROUTING OF ALL PIPING SO AS NOT TO CONFLICT WITH OTHER TRADES INCLUDING DUCTWORK AND ELECTRICAL. ROUTE ALL PIPING TIGHT TO STRUCTURE. PROVIDE OFFSETS AROUND BEAMS AS REQUIRED.
- K. CONTRACTOR TO REFER TO ROOF PIPE PENETRATION DETAIL ON SHEET M302 FOR REFRIGERANT PIPING ROOF PENETRATIONS. COORDINATE ALL ROOF PENETRATIONS WITH ARCHITECT.

SPECIFIC NOTES THIS SHEET:

- ① 8"Ø BOILER FLUE VENT, PROVIDE CAP AND JACK AT TERMINATION.
- ② 8"Ø BOILER COMBUSTION AIR INTAKE, PROVIDE CAP AND JACK AT TERMINATION.
- ③ GRAVITY INTAKE, GREENHECK MODEL GRSI-20 OR APPROVED EQUAL. PROVIDE ROOF CURB WITH UNIT.
- ④ CONTINUE REFRIGERANT LINES TO AC-1 ON FIRST FLOOR.
- ⑤ EXHAUST FAN TO BE INTERLOCKED WITH AHU-1. SEE SPECIFICATION SECTION 25 5500 FOR FURTHER INSTRUCTION.
- ⑥ EXHAUST FAN TO BE INTERLOCKED WITH AHU-4. SEE SPECIFICATION SECTION 25 5500 FOR FURTHER INSTRUCTION.
- ⑦ DRYER VENT, PROVIDE CAP AND JACK AT TERMINATION.
- ⑧ CONTINUE REFRIGERANT LINES TO AC-3 ON FIRST FLOOR.
- ⑨ CONTINUE REFRIGERANT LINES TO AC-2 ON FIRST FLOOR.

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No.	DESCRIPTION	DATE

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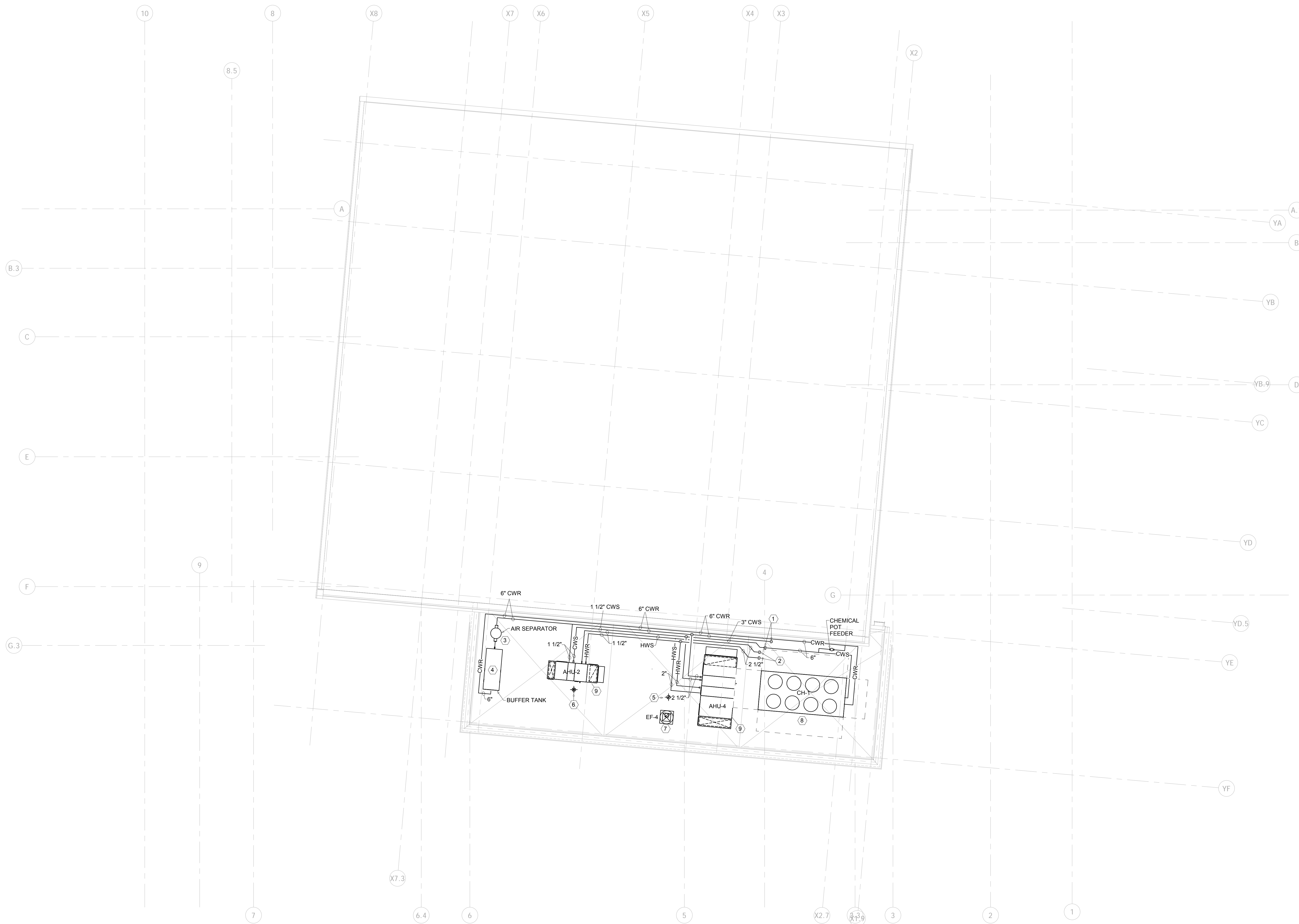
LOWER ROOF PLAN - MECHANICAL

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seal	project number	drawing number
	21161.00	M103
	date	
	11-27-19	
	phase	
	100% CD	
NOVEMBER 27, 2019		

10/09/2019 10:00 AM



- GENERAL NOTES THIS SHEET:**
- A. COORDINATE EXACT ROUTING OF ALL DUCTWORK SO AS NOT TO CONFLICT WITH OTHER TRADES. COORDINATE EXACT LOCATION OF ALL CEILING GRILLES WITH GRID, LIGHTS, ETC. ALL DUCTWORK SHALL BE ROUTED TIGHT TO STRUCTURE.
 - B. CONTRACTOR IS CAUTIONED NOT TO FABRICATE OR INSTALL ANY PIPING OR EQUIPMENT UNTIL SHOP DRAWINGS HAVE BEEN SUBMITTED AND APPROVED BY ARCHITECT. REPRODUCTION OF CONTRACT DOCUMENTS NOT ACCEPTABLE.
 - C. PROVIDE FIRE DAMPERS IN ALL RATED PARTITIONING WHERE DUCTWORK PENETRATES. SEE SHEET M302 FOR INSTALLATION DETAILS.
 - D. PROVIDE MINIMUM CLEARANCE AROUND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS.
 - E. ALL HYDRONIC PIPING SHOWN THIS SHEET SHALL BE ROUTED ON ROOF.
 - F. COORDINATE EXACT ROUTING OF ALL PIPING SO AS NOT TO CONFLICT WITH OTHER TRADES INCLUDING DUCTWORK AND ELECTRICAL. ROUTE ALL PIPING TIGHT TO STRUCTURE. PROVIDE OFFSETS AROUND BEAMS AS REQUIRED.
 - G. SEE ROOFTOP HYDRONIC PIPING SUPPORT DETAIL ON SHEET M303.

- SPECIFIC NOTES THIS SHEET:**
- 1 4" CWS AND 6" CWR DOWN TO MECHANICAL ROOM. SEE SHEET M202 FOR CONTINUATION.
 - 2 1 1/2" HWS AND HWR DOWN TO MECHANICAL ROOM. SEE SHEET M202 FOR CONTINUATION.
 - 3 FLANGED AIR SEPARATOR WITH STRAINER, BELL AND GOSSETT MODEL NO. R-5F (OR APPROVED EQUAL).
 - 4 FLANGED HORIZONTAL CHILLED WATER BUFFER TANK, TACO MODEL NO. BHL0300F06-125N (OR APPROVED EQUAL).
 - 5 8"Ø WATER HEATER FLUE VENT, PROVIDE CAP AND JACK AT TERMINATION.
 - 6 8"Ø WATER HEATER COMBUSTION AIR INTAKE, PROVIDE CAP AND JACK AT TERMINATION.
 - 7 EXHAUST FAN TO BE INTERLOCKED WITH AHU-2. SEE SPECIFICATION SECTION 25 5500 FOR FURTHER INSTRUCTION.
 - 8 SEE SHEET M302 FOR CHILLER PIPING DETAIL.
 - 9 SEE SHEET M302 FOR INSTALLATION DETAILS.

1
M104 UPPER ROOF PLAN - MECHANICAL
1/8" = 1'-0"

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SIZELER THOMPSON BROWN ARCHITECTS

SIZELER THOMPSON BROWN ARCHITECTS
300 LAFAYETTE STREET, SUITE 200
NEW ORLEANS, LOUISIANA 70130
(504) 523-6472 FAX (504) 529-1181

REVISIONS		
No.	DESCRIPTION	DATE

**JEFFERSON PARISH BUSINESS PARK:
SCIENCE AND TECHNOLOGY ACADEMY AND
CONFERENCE CENTER**
701 CHURCHILL PKWY., AVONDALE, LA

UPPER ROOF PLAN - MECHANICAL

seal	project number	drawing number
	21161.00	M104
date	11-27-19	phase
NOVEMBER 27, 2019	100% CD	

10/20/17/2017/2017/2017



1
M201 **FIRST FLOOR PLAN - HYDRONIC PIPING**
1/8" = 1'-0"

- GENERAL NOTES THIS SHEET:**
- A. ALL HYDRONIC PIPING SHALL BE RUN ABOVE CEILING UNLESS NOTED OTHERWISE. ROUTE ALL PIPING TIGHT TO STRUCTURE, OFFSET UNDER BEAMS AS REQUIRED. SEE SPECIFICATIONS FOR PIPING INSULATION REQUIRED.
 - B. COORDINATE EXACT ROUTING OF ALL PIPING SO AS NOT TO CONFLICT WITH OTHER TRADES INCLUDING DUCTWORK AND ELECTRICAL. ROUTE ALL PIPING TIGHT TO STRUCTURE. PROVIDE OFFSETS AROUND BEAMS AS REQUIRED.
- SPECIFIC NOTES THIS SHEET:**
1. 4" CWS AND CWR PIPING UP TO SECOND FLOOR.
 2. 4" HWS AND HWR PIPING UP TO SECOND FLOOR.
 3. SEE BOILER INSTALLATION DETAIL ON SHEET M303, AND BOILER PIPING SCHEMATIC ON SHEET M303 FOR FURTHER DETAIL.
 4. CHILLED WATER PIPING INTENTIONALLY OVERSIZED TO INCREASE SYSTEM VOLUME.

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FIRST FLOOR PLAN - HYDRONIC PIPING

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seal	project number	drawing number
	21161.00	M201
date	phase	
11-27-19	100% CD	
NOVEMBER 27, 2019		



1 SECOND FLOOR PLAN - HYDRONIC PIPING
 M202 1/8" = 1'-0"

GENERAL NOTES THIS SHEET:

- A. ALL HYDRONIC PIPING SHALL BE RUN ABOVE CEILING UNLESS NOTED OTHERWISE. ROUTE ALL PIPING TIGHT TO STRUCTURE, OFFSET UNDER BEAMS AS REQUIRED. SEE SPECIFICATIONS FOR PIPING INSULATION REQUIRED.
- B. COORDINATE EXACT ROUTING OF ALL PIPING SO AS NOT TO CONFLICT WITH OTHER TRADES INCLUDING DUCTWORK AND ELECTRICAL. ROUTE ALL PIPING TIGHT TO STRUCTURE. PROVIDE OFFSETS AROUND BEAMS AS REQUIRED.

SPECIFIC NOTES THIS SHEET:

- ① 4" CWS AND CWR PIPING DOWN TO FIRST FLOOR.
- ② 4" HWS AND HWR PIPING DOWN TO FIRST FLOOR.
- ③ HYDRONIC PIPING ROUTED TIGHT TO STRUCTURE.
- ④ 2 1/2" HWS AND HWR PIPING UP TO ROOF. SEE SHEET M104 FOR CONTINUATION.
- ⑤ 4" CWS AND 6" CWR PIPING UP TO ROOF. SEE SHEET M104 FOR CONTINUATION.
- ⑥ CHILLED WATER PIPING INTENTIONALLY OVERSIZED TO INCREASE SYSTEM VOLUMEN.

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JEFFERSON PARISH BUSINESS PARK:
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SECOND FLOOR PLAN - HYDRONIC PIPING

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seal	project number	drawing number
	21161.00	M202
	date	
	11-27-19	
phase	100% CD	
NOVEMBER 27, 2019		

AIR HANDLING UNIT SCHEDULE table with columns for MARK, LOCATION, CFM, EXT. S.P. IN W.C., TOTAL COOLING BTUH, SENSIBLE COOLING BTUH, COOLING DATA, COIL DATA, HEATING DATA, COIL DATA, O/A CFM, MOTOR DATA, and DESCRIPTION.

HVAC THERMOSTAT DESIGN SET POINT SCHEDULE table with columns for OCCUPIED TEMP °F and UNOCCUPIED TEMP °F for COOLING and HEATING.

GAS FIRED HEATING WATER BOILER SCHEDULE table with columns for MARK, MBTUH INPUT, BOILER H.P., PRESS. RATING PSIG, GPM, MAX WTR. P.D. FT. H2O, WATER °F, WATER ΔT °F, ELECTRICAL DATA, and DESCRIPTION.

PACKAGED AIR COOLED CHILLER SCHEDULE table with columns for MARK, GPM, TONS, LVG. WATER °F, WATER P.D. FT. H2O, PRESS. DROP FT. H2O, MIN IPLV, ELECTRICAL DATA, and DESCRIPTION.

VARIABLE AIR VOLUME TERMINAL SCHEDULE table with columns for MARK, ROOM #, CFM, STATIC PRESS. DROP IN W.G., INLET DIAMETER INCHES, COIL* DATA, NOISE CRITERIA**, and MODEL.

DIFFUSER GRILLE & REGISTER SCHEDULE table with columns for MARK, DESCRIPTION, PRICE MODEL, and other details.

ELECTRIC UNIT HEATER SCHEDULE table with columns for MARK, LOCATION, CFM, MOTOR DATA, and DESCRIPTION.

PUMP SCHEDULE table with columns for MARK, SERVICE, GPM, FT. HEAD H2O, ELECTRICAL DATA, and DESCRIPTION.

EXHAUST FAN SCHEDULE table with columns for MARK, CFM, EXT. S.P., MOTOR DATA, and DESCRIPTION.

DUCTLESS SPLIT SCHEDULE table with columns for MARK, NOMINAL COOLING BTUH, ELECTRICAL DATA, and DESCRIPTION.

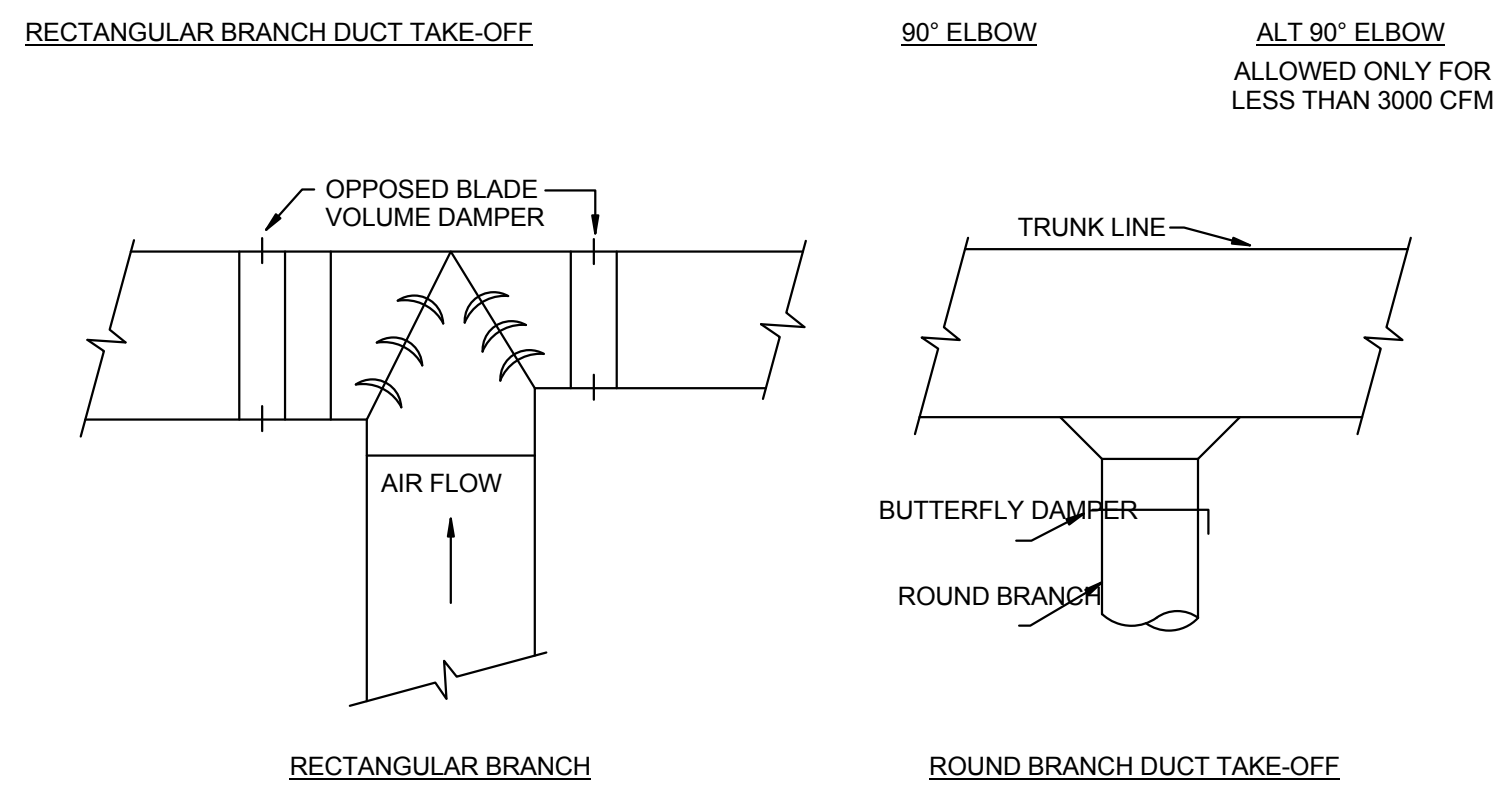
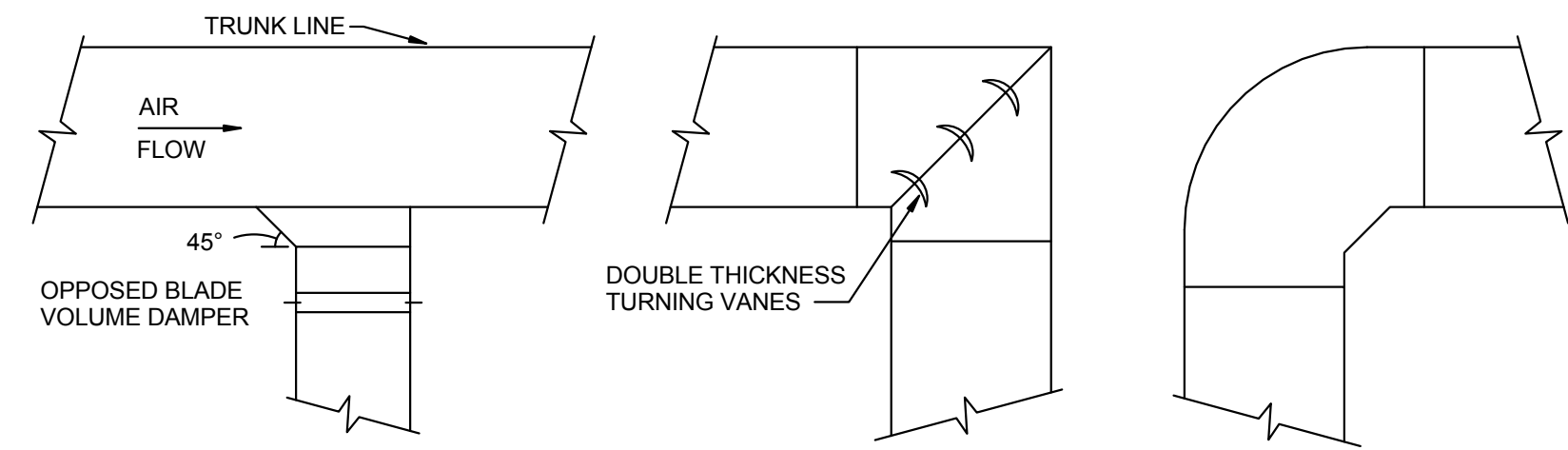
MECHANICAL LEGEND table with columns for SYMBOL, DESCRIPTION, SYMBOL, and DESCRIPTION.

SIZELER THOMPSON BROWN ARCHITECTS 300 LAFAYETTE STREET, SUITE 200 NEW ORLEANS, LOUISIANA 70130 (504) 523-6472 FAX (504) 529-1181

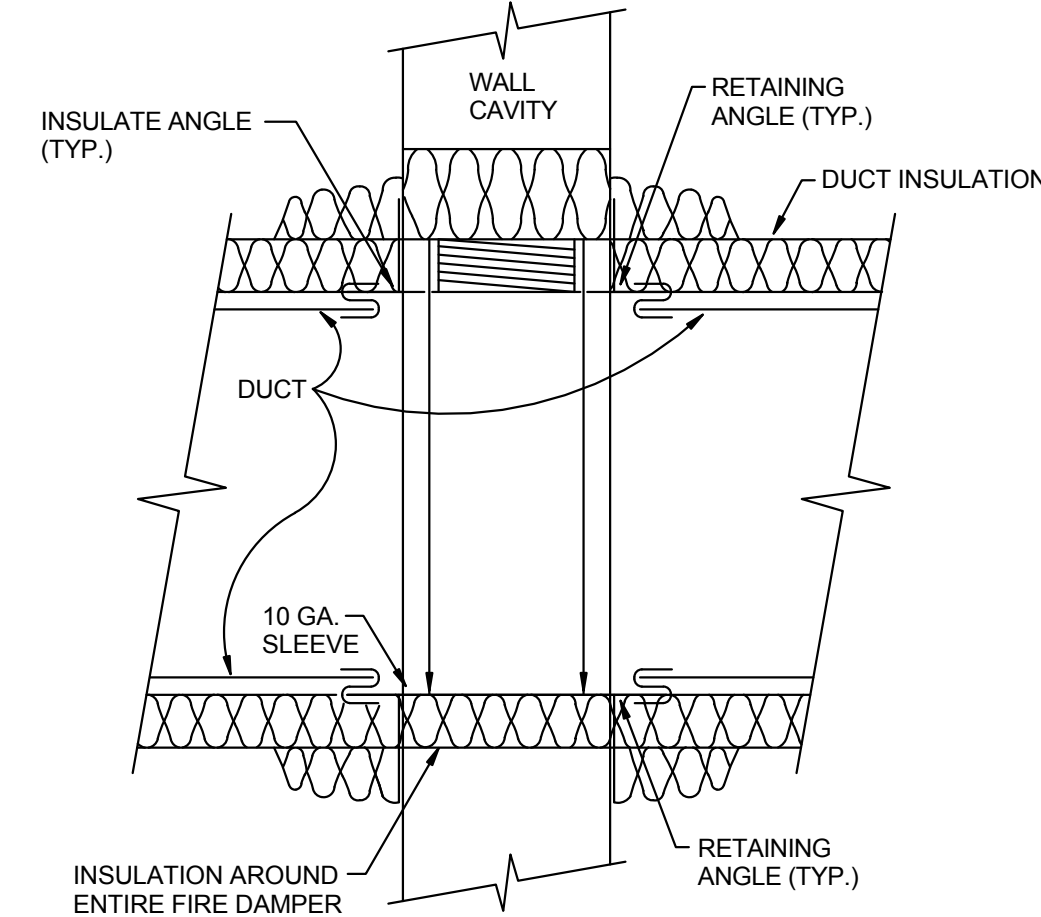
REVISIONS table with columns for No., DESCRIPTION, and DATE.

JEFFERSON PARISH BUSINESS PARK: SCIENCE AND TECHNOLOGY ACADEMY AND CONFERENCE CENTER 701 CHURCHILL PKWY., AVONDALE, LA. MECHANICAL SCHEDULES. Project number 21161.00, date 11-27-19, phase 100% CD. Includes seal and logo.

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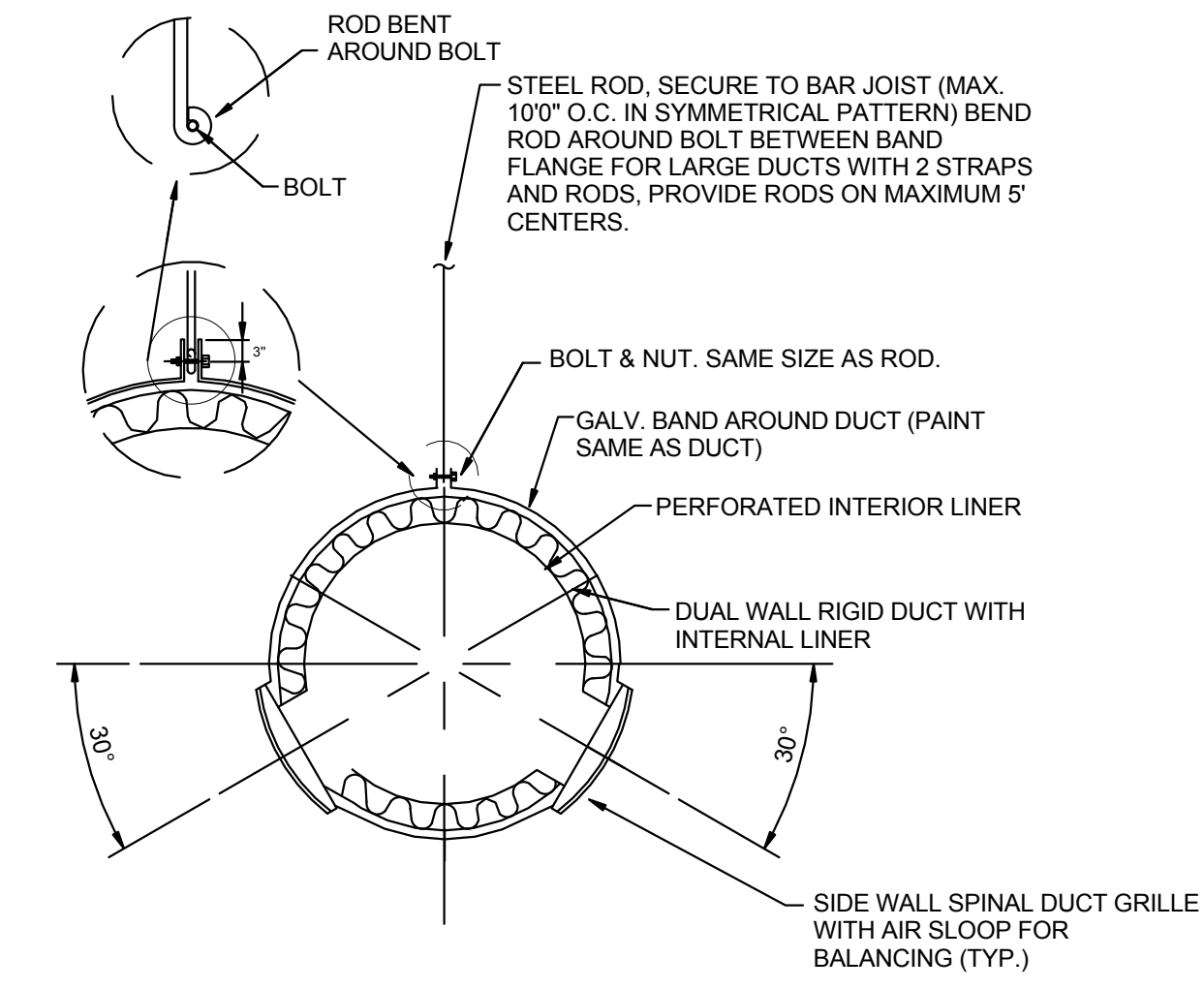


DUCT DETAILS
NOT TO SCALE



NOTE: COORDINATE INSTALLATION OF FIRE DAMPER AND INSULATION WITH ARCHITECTURAL WALL CONSTRUCTION AND INSTALLATION

FIRE DAMPER AND INSULATION INSTALLATION DETAIL
NOT TO SCALE



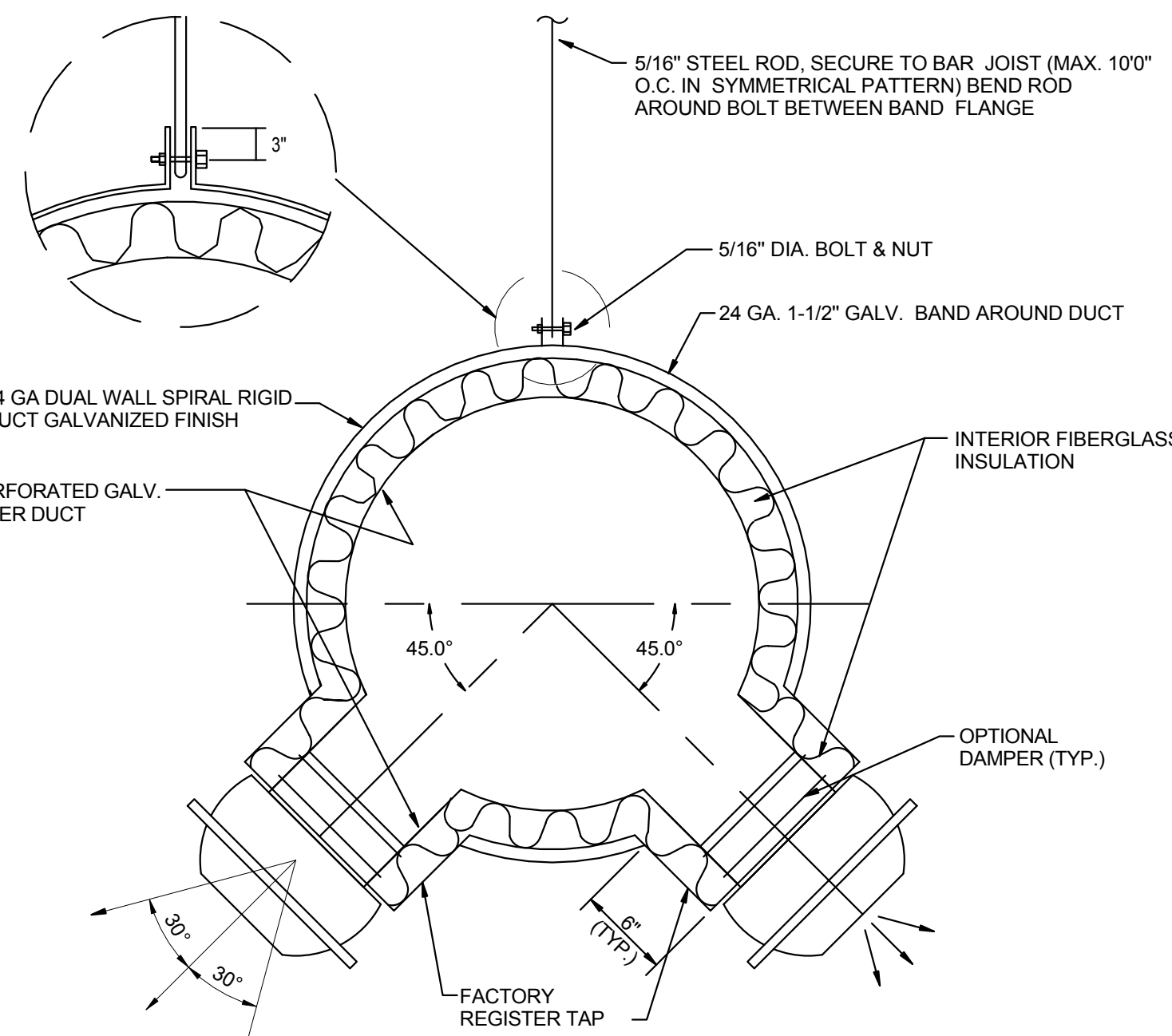
DUCT DIA. (IN.)	ROD SIZE* (W.)	STRAP SIZE (IN.)
10 OR LESS	5/16	1 1/2" X 22GA.
11 - 18	5/16	1 1/2" X 22GA.

* BOLT SIZE SAME AS ROD SIZE

NOTE:

- DUCT CONSTRUCTION AND SUPPORTS SHALL COMPLY WITH SMACNA ROUND DUCT CONSTRUCTION STANDARDS WITH ABOVE MENTIONED MODIFICATIONS.
- DETAIL ILLUSTRATES DUCT WITH (2) TAPS. FOR (1) TAP, GRILLE SHALL BE PLACED AT 30° ANGLE AS ILLUSTRATED.

SPIRAL DUCT SUPPORT DETAIL FOR SDS AND SDR TYPE DIFFUSER/GRILLE
NOT TO SCALE

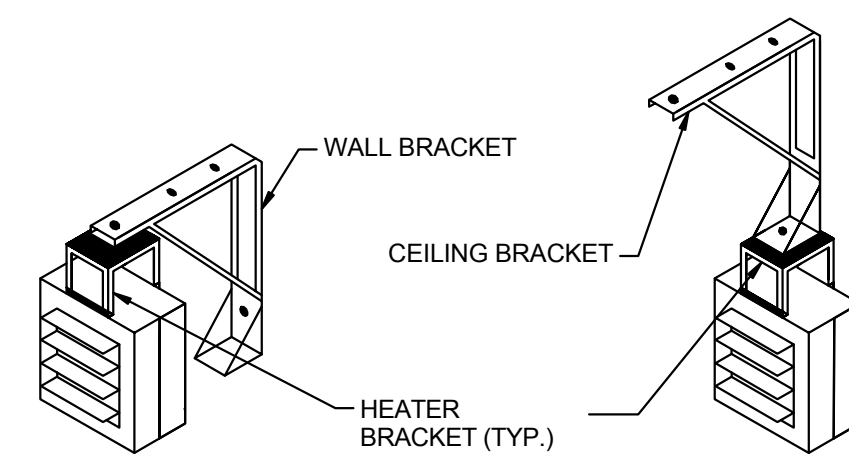


DUCT DIA. (IN.)	ROD SIZE* (W.)	STRAP SIZE (IN.)
10 OR LESS	5/16	1 1/2" X 22GA.
11 - 18	5/16	1 1/2" X 22GA.
19 - 24	5/16	1 1/2" X 22GA.
25 - 36	3/8	1 1/2" X 20GA.
37 - 50	(2) 3/8	(2) 1 1/2" X 20GA.

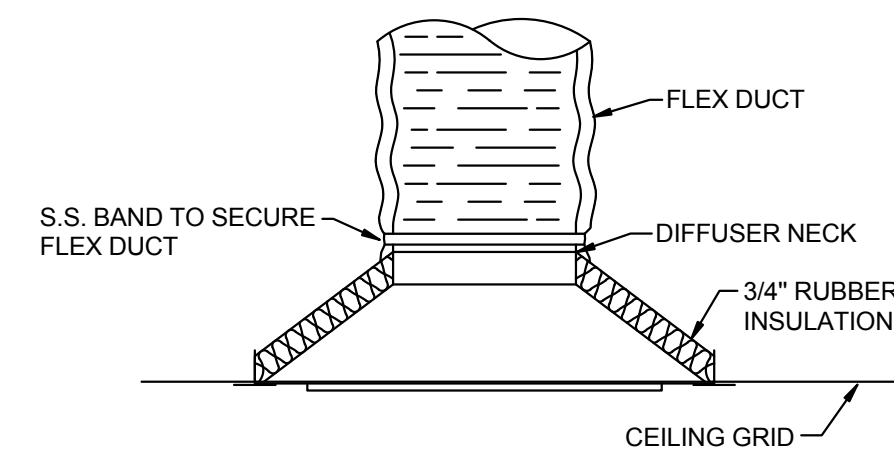
* BOLT SIZE SAME AS ROD SIZE

NOTE: DUCT CONSTRUCTION AND SUPPORTS SHALL COMPLY WITH SMACNA ROUND DUCT CONSTRUCTION STANDARDS WITH ABOVE MENTIONED MODIFICATIONS.

SPIRAL DUCT SUPPORT DETAIL FOR DD TYPE DIFFUSER
NOT TO SCALE

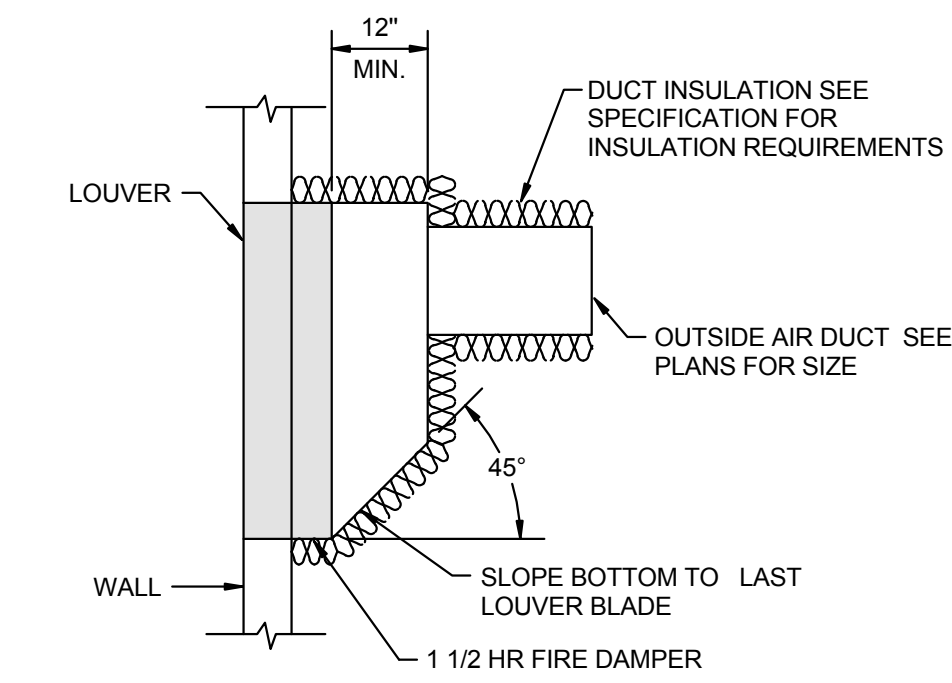


ELECTRIC UNIT HEATER DETAIL
NOT TO SCALE

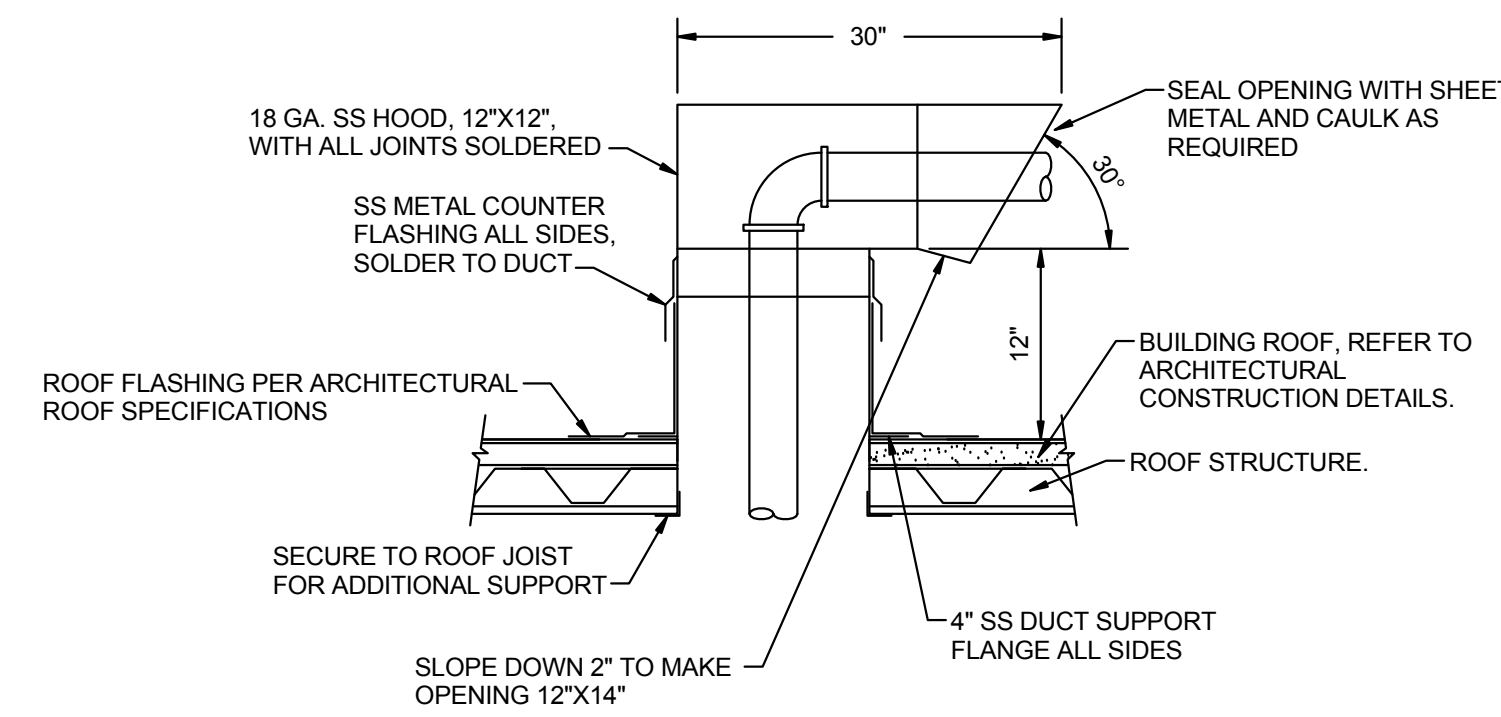


NOTE: ALL SEAMS SHALL BE PROPERLY SEALED AND INSULATION GLUED TO BACK OF DIFFUSER. INSULATION SHALL COVER ENTIRE DIFFUSER AND NECK.

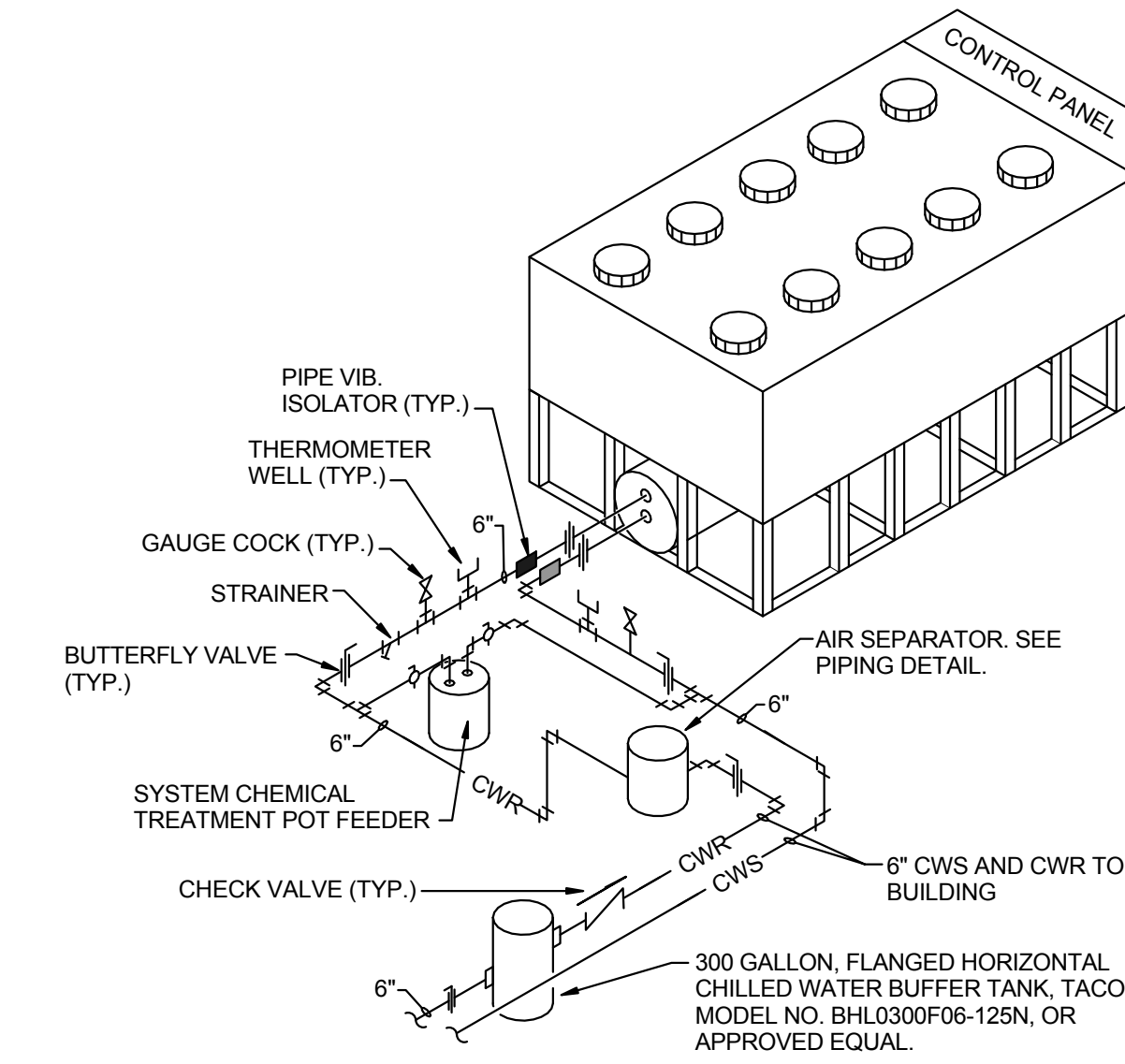
DIFFUSER INSULATION DETAIL
NOT TO SCALE



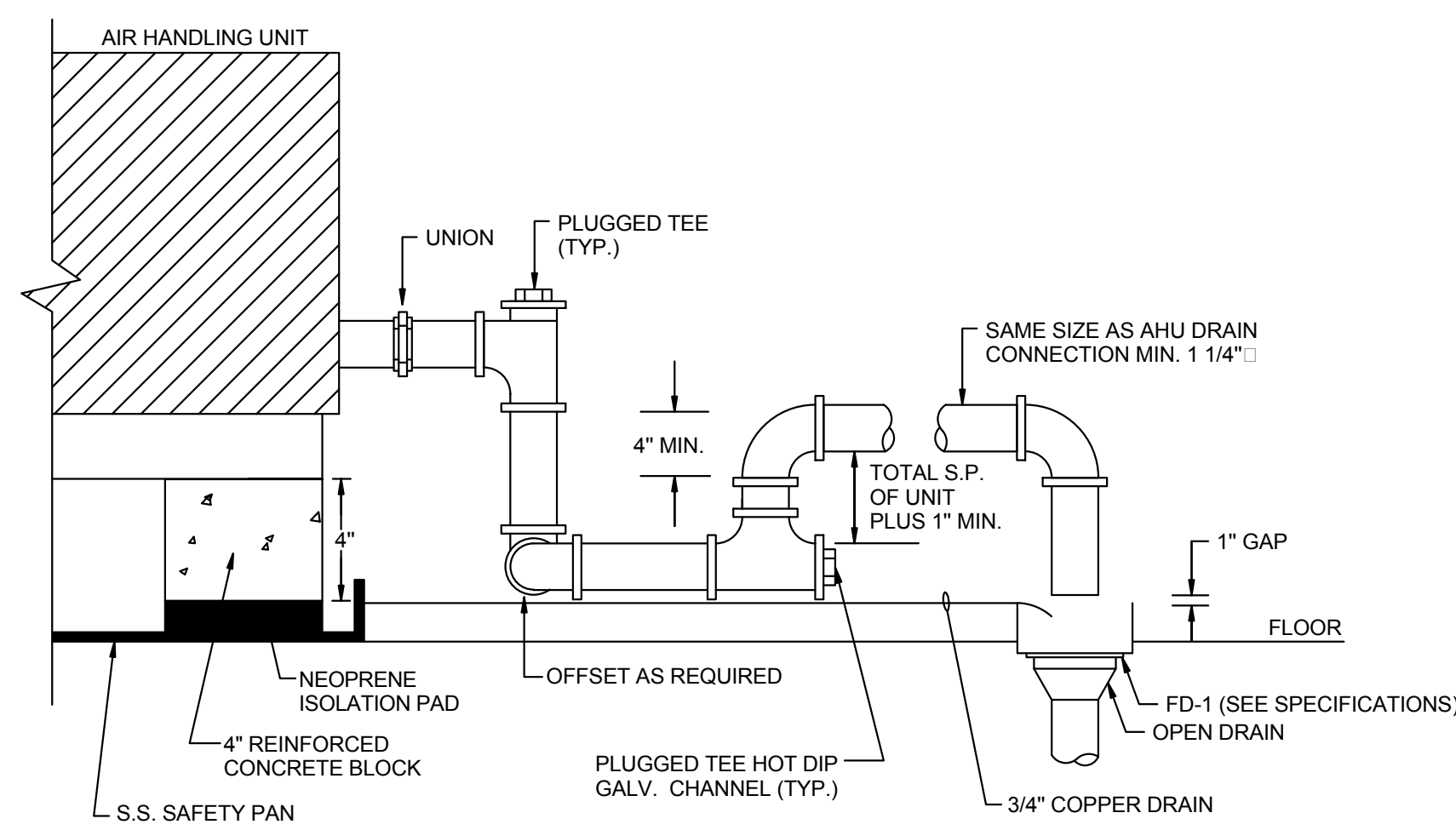
LOUVER INSTALLATION DETAIL
NOT TO SCALE



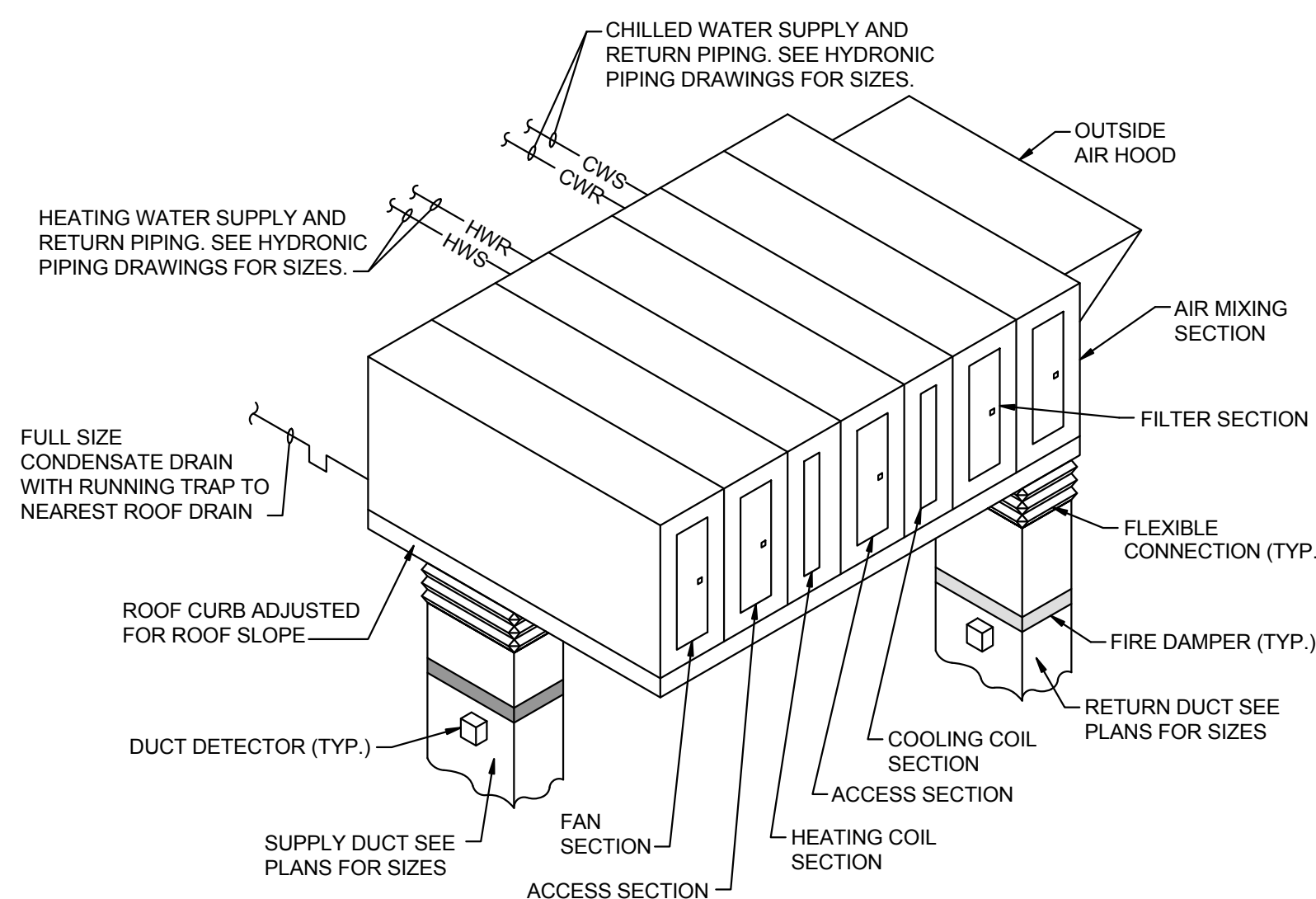
ROOF PIPE PENETRATION DETAIL
NOT TO SCALE



AIR COOLED CHILLER PIPING DETAIL
NOT TO SCALE



AHU UNIT CONDENSATE DRAIN DETAIL
NOT TO SCALE



EXTERIOR AIR HANDLING UNIT DETAIL
NOT TO SCALE

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SIZELER THOMPSON BROWN ARCHITECTS
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NEW ORLEANS, LOUISIANA 70130
(504) 523-6472 FAX (504) 529-1181

REVISIONS		
No.	DESCRIPTION	DATE

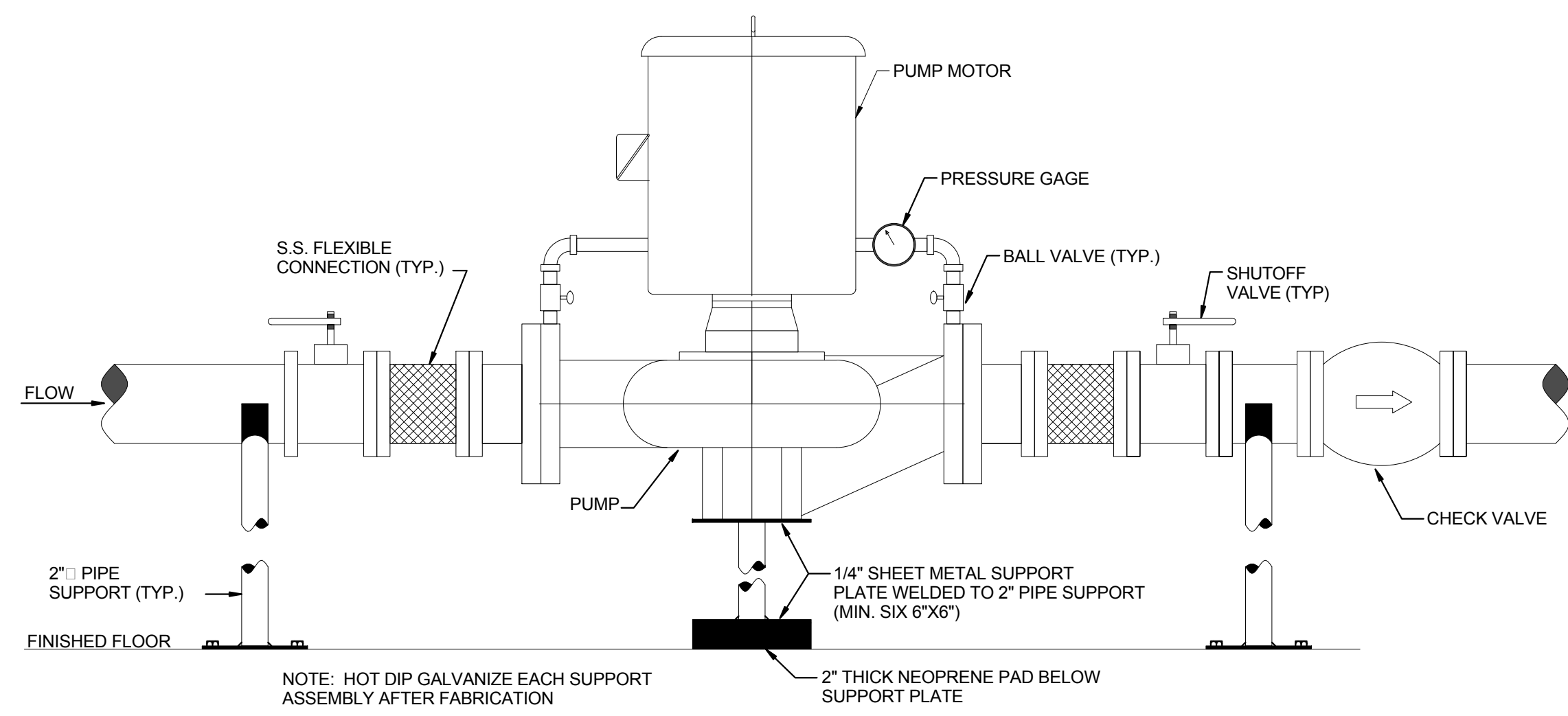
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701 CHURCHILL PKWY., AVONDALE, LA

MECHANICAL DETAILS

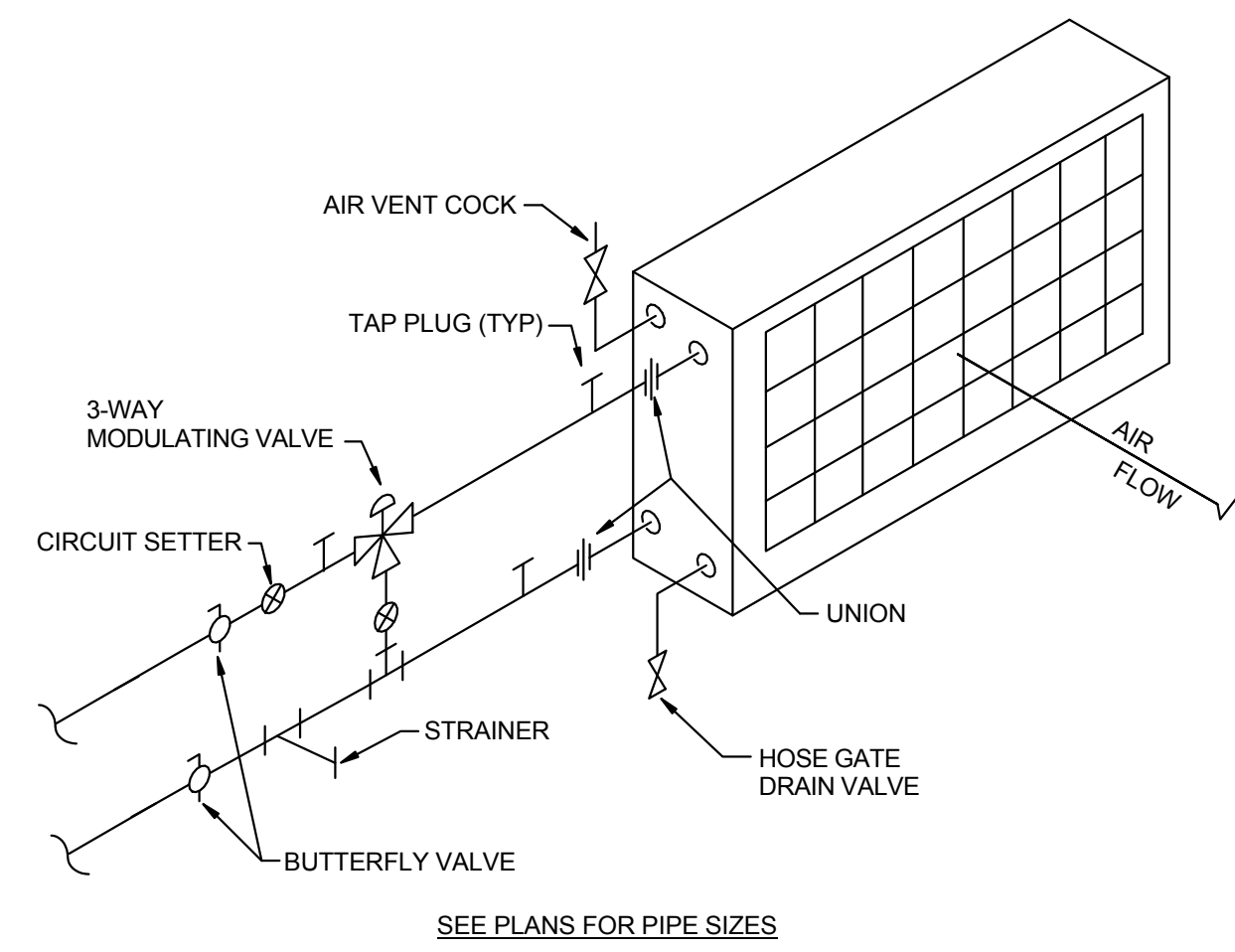
scale	project number	drawing number
	21161.00	
	date	11-27-19
	phase	100% CD

NOVEMBER 27, 2019

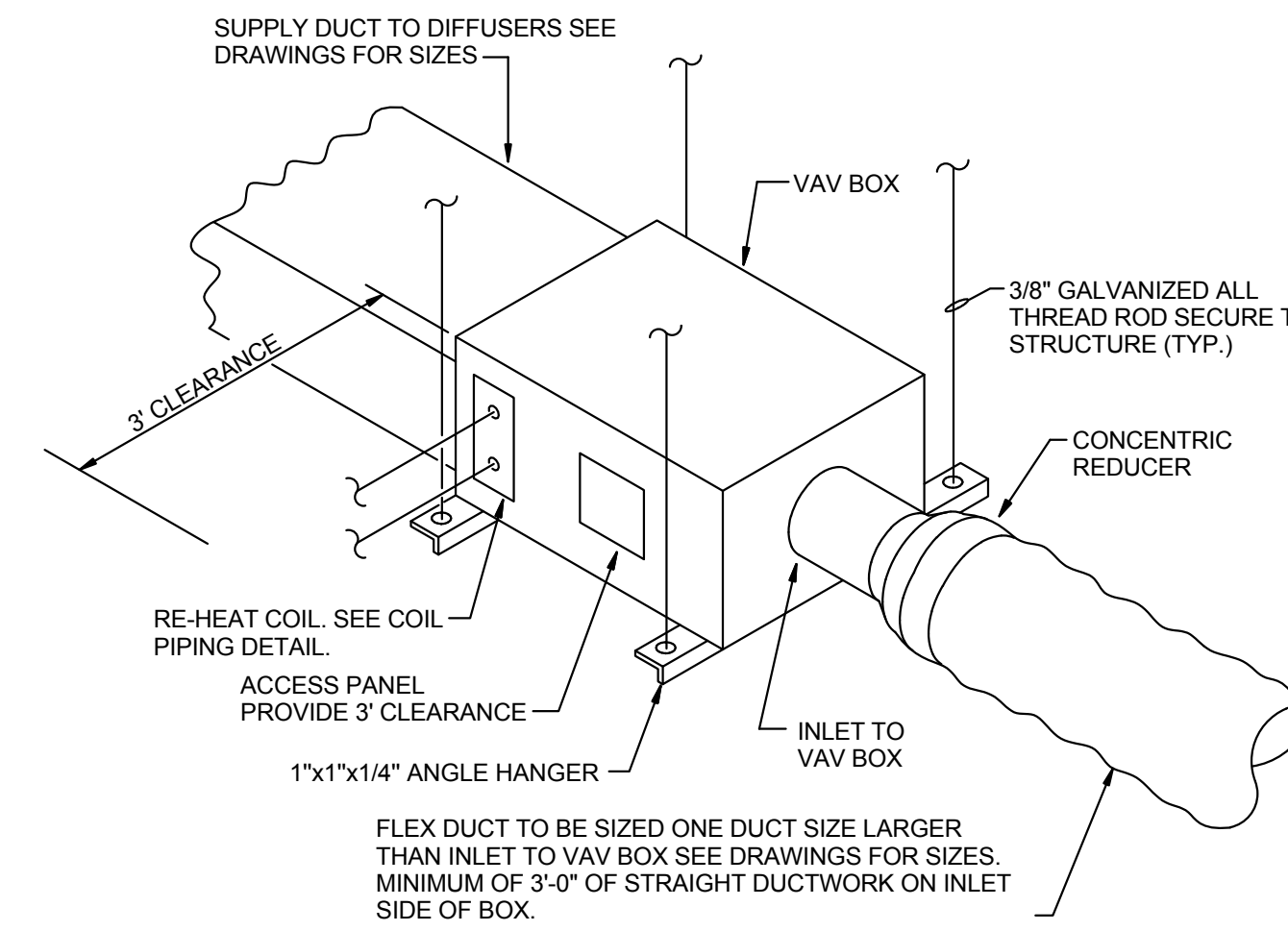
M302



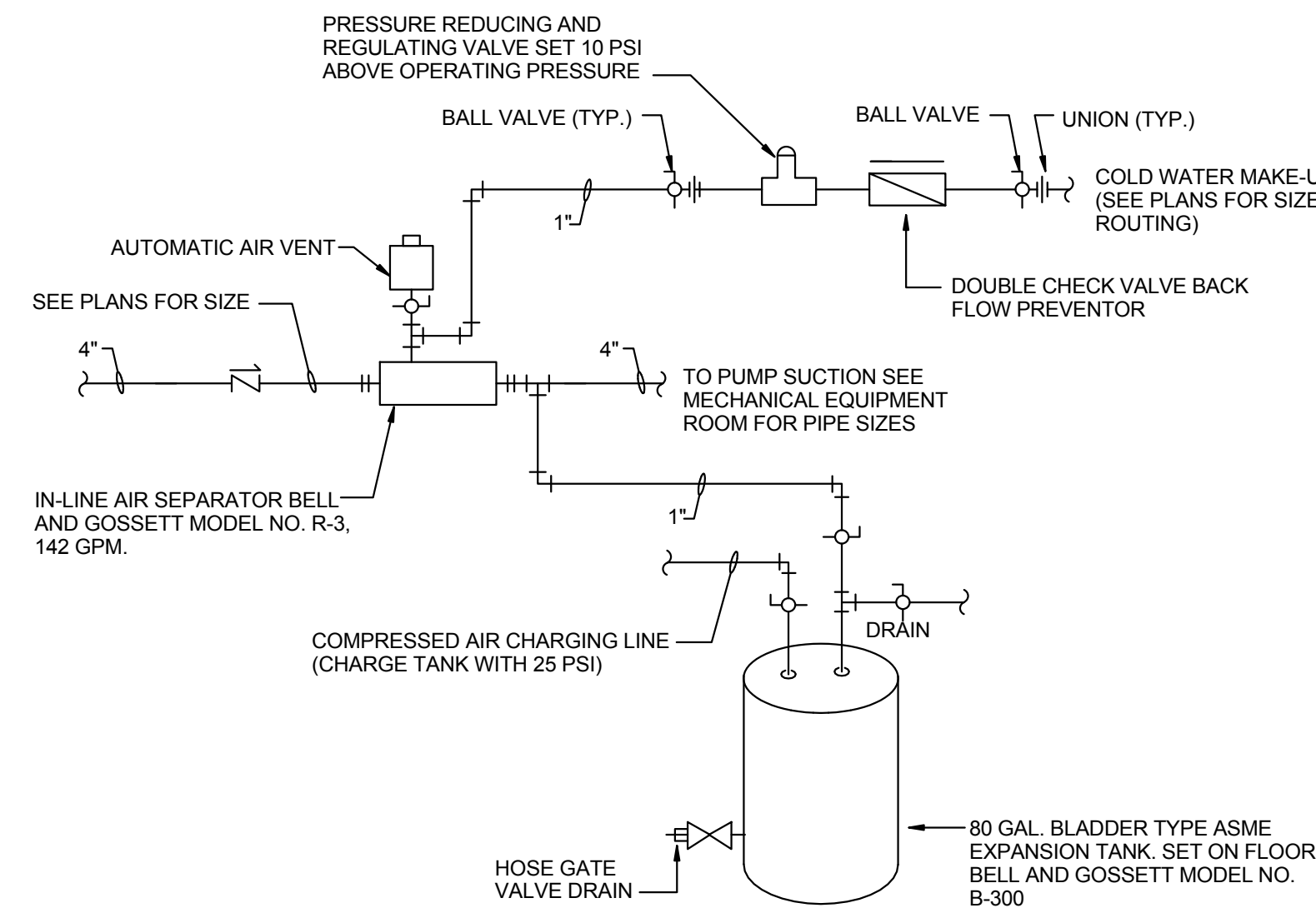
IN-LINE VERTICAL PUMP PIPING AND SUPPORT DETAIL
NOT TO SCALE



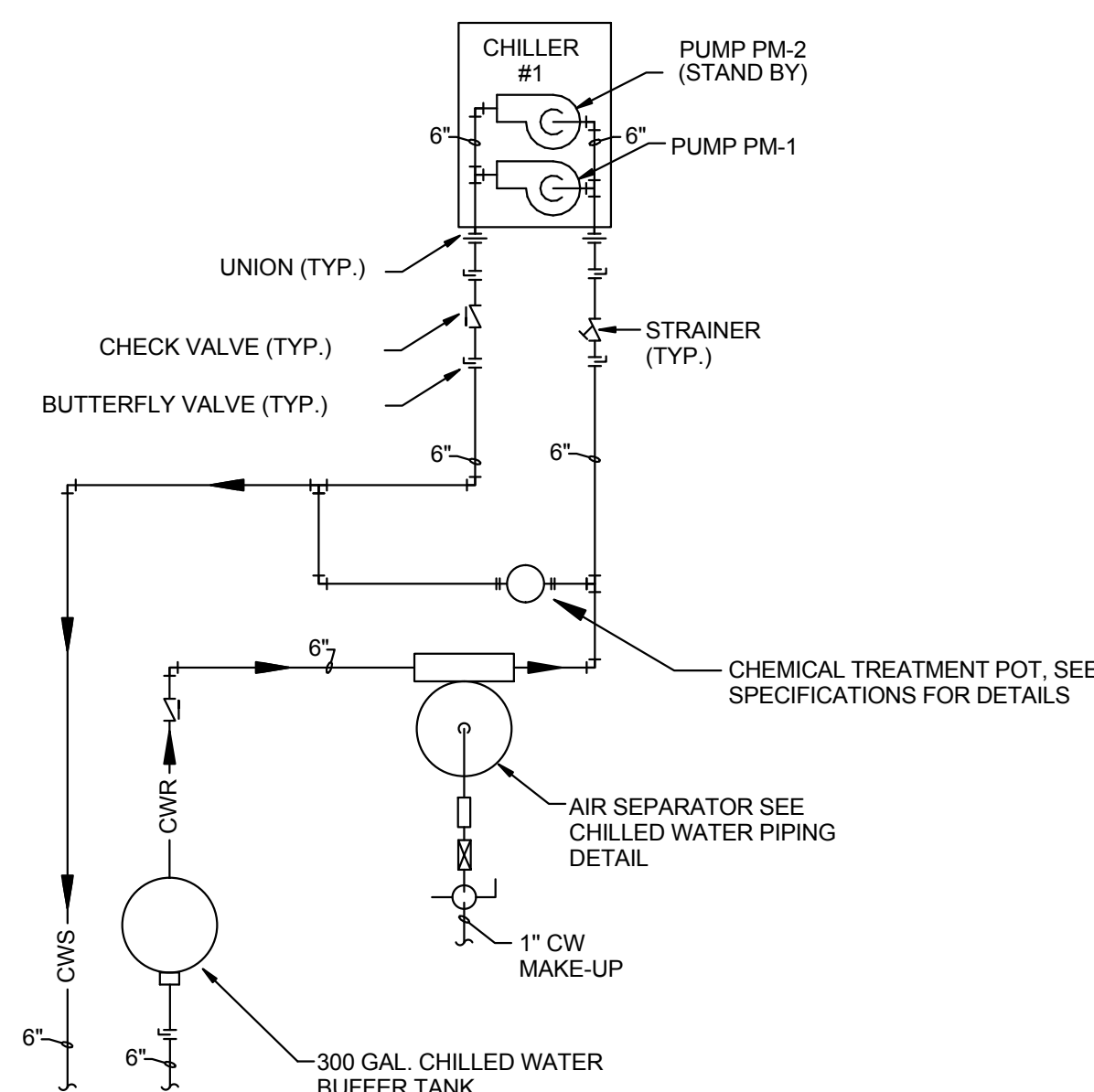
3-WAY VALVE COIL PIPING DETAIL
NOT TO SCALE



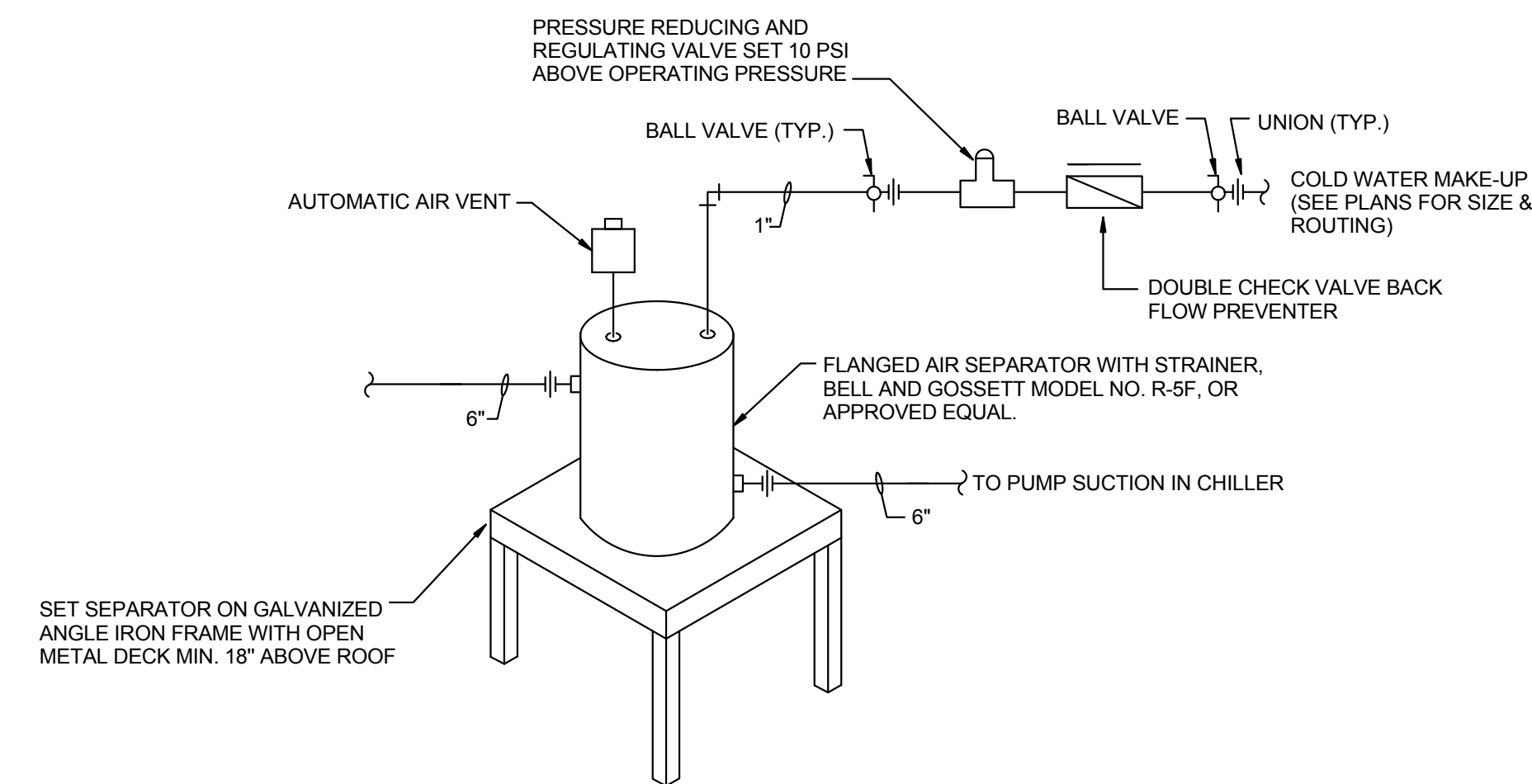
HOT WATER RE-HEAT VAV BOX INSTALLATION DETAIL
NOT TO SCALE



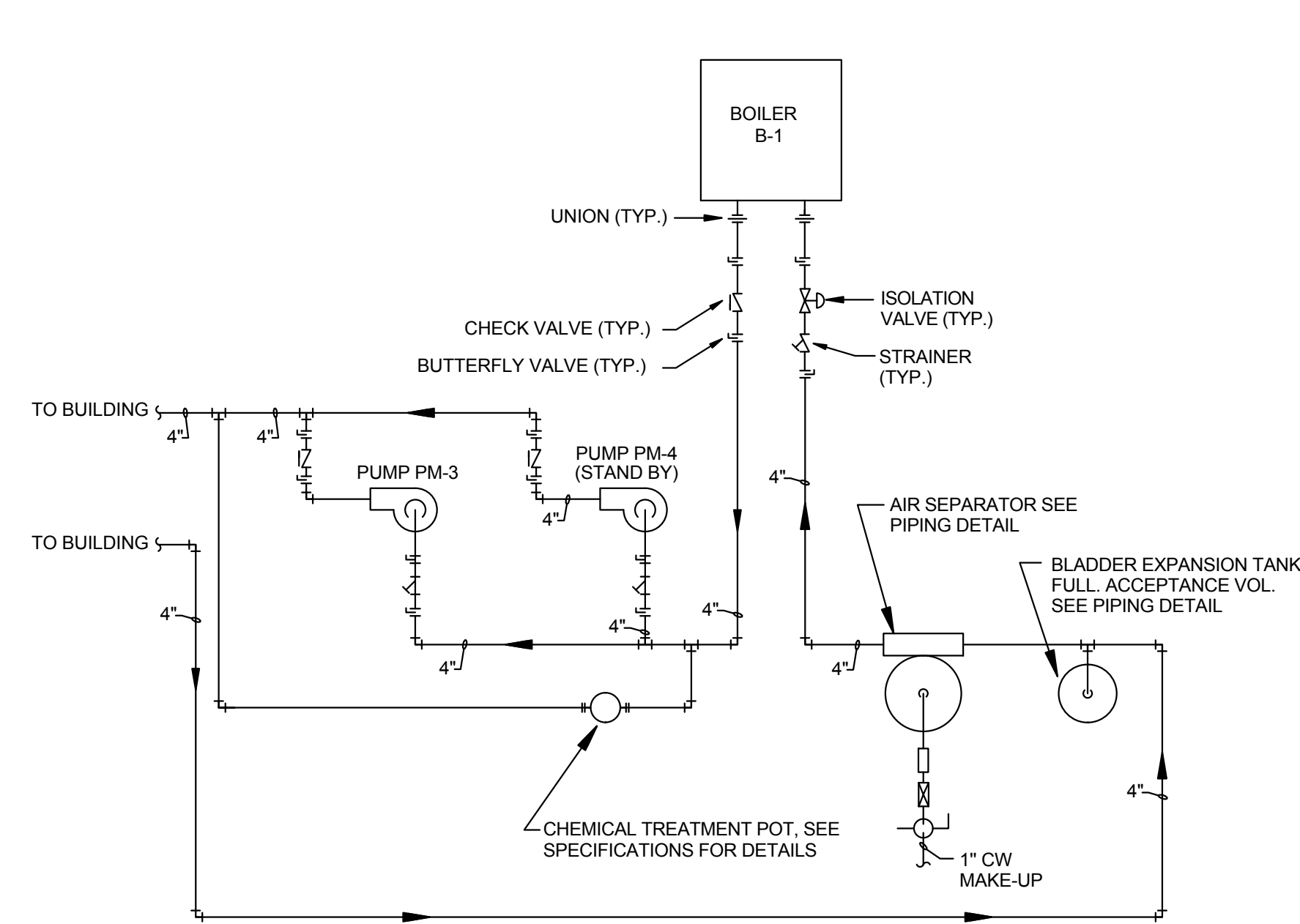
HEATING WATER SYSTEM EXPANSION TANK PIPING DETAIL
NOT TO SCALE



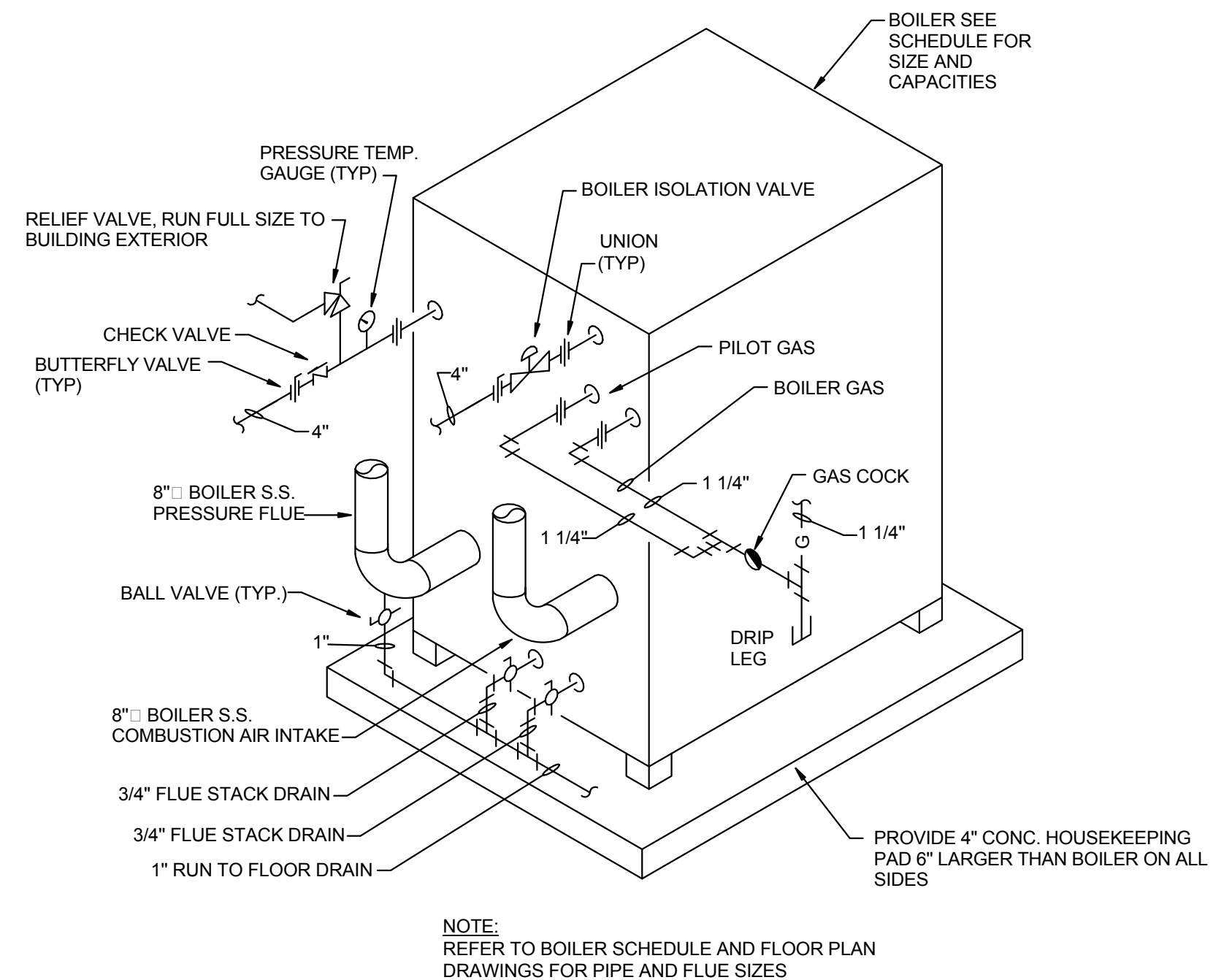
CHILLED WATER PIPING SCHEMATIC
NOT TO SCALE



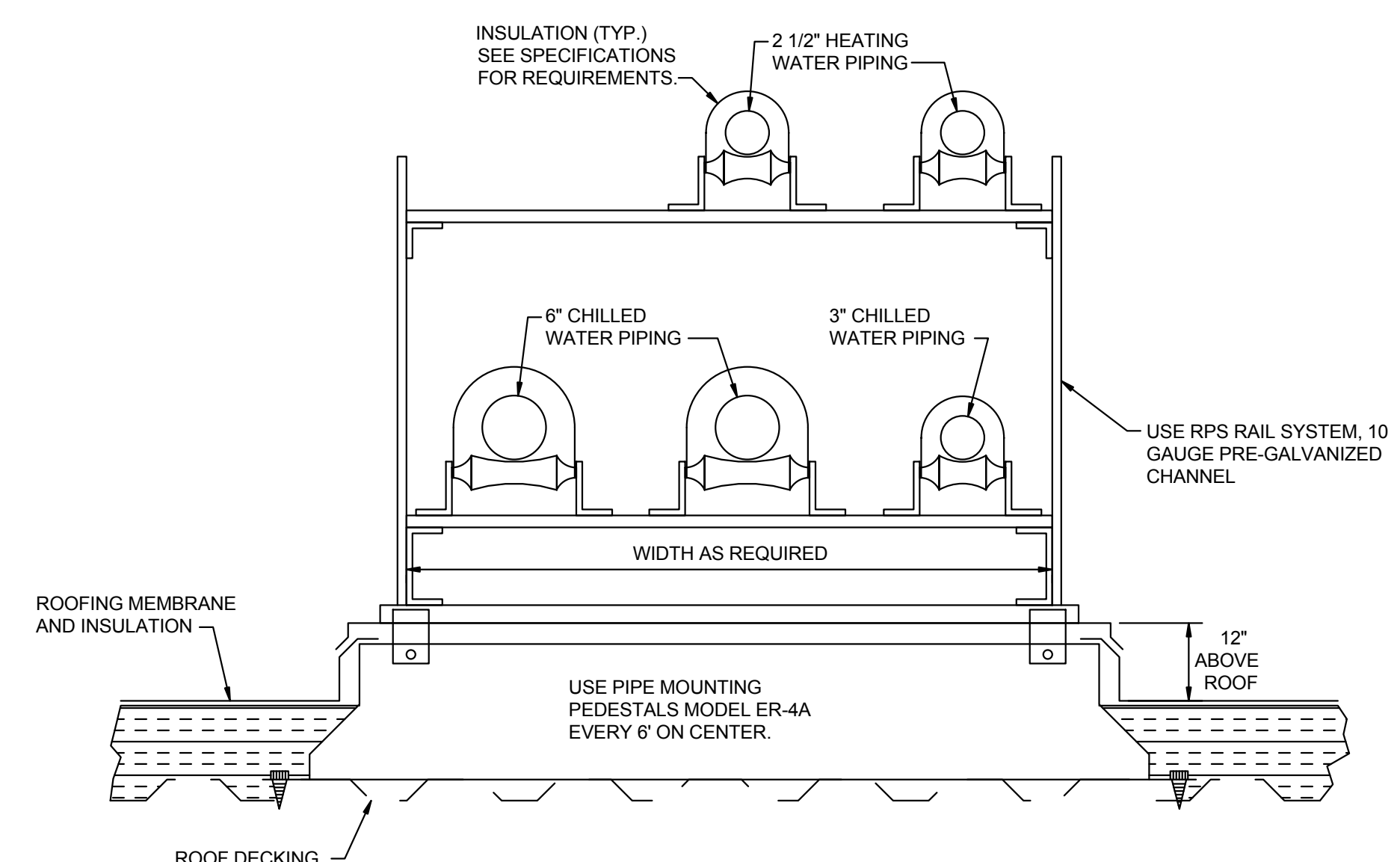
CHILLED WATER SYSTEM AIR SEPARATOR PIPING DETAIL
NOT TO SCALE



BOILER PIPING SCHEMATIC
NOT TO SCALE



TYPICAL BOILER INSTALLATION PIPING DETAIL
NOT TO SCALE



ROOFTOP HYDRONIC PIPING SUPPORT DETAIL
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NEW ORLEANS, LOUISIANA 70130
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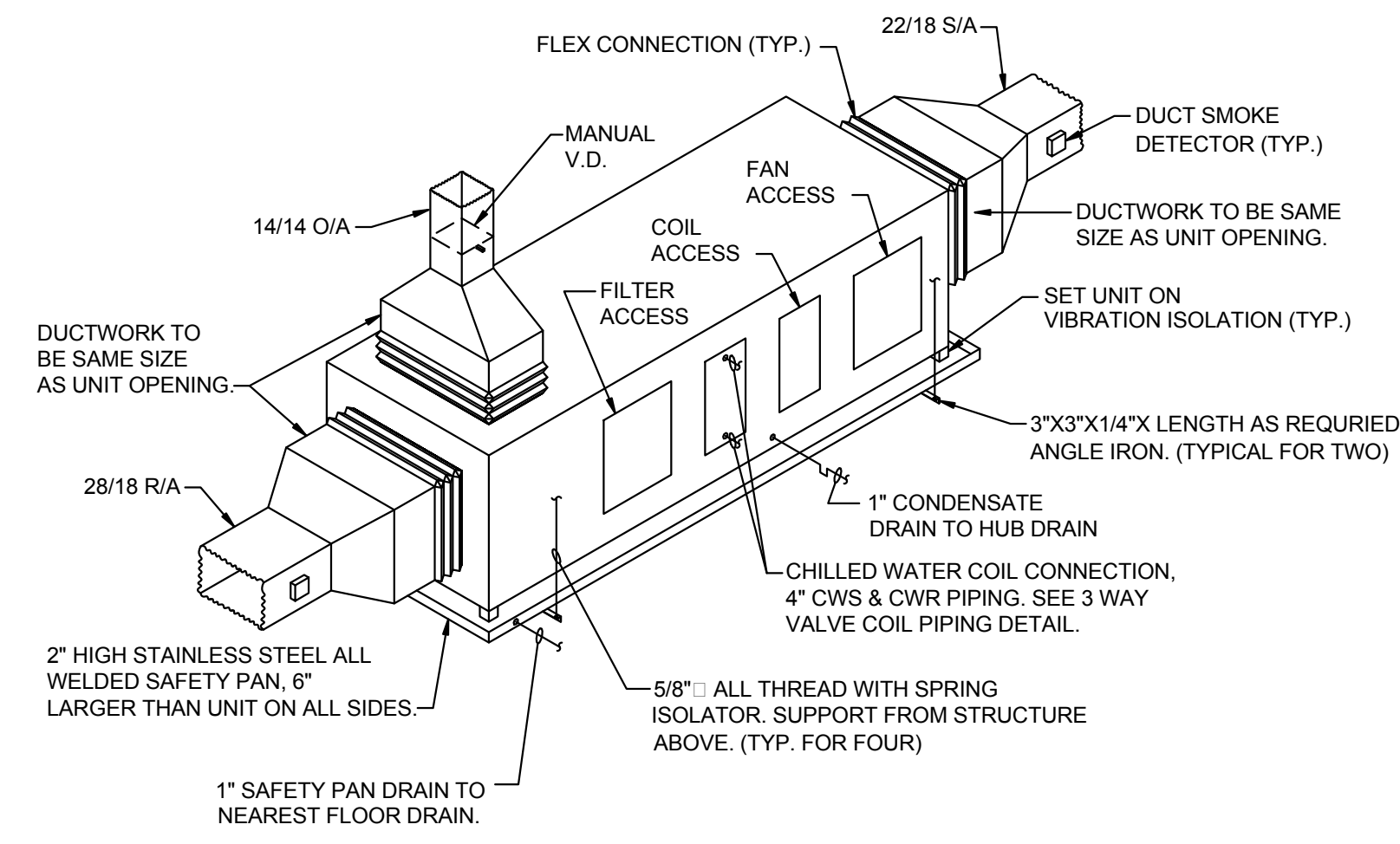
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No.	DESCRIPTION	DATE

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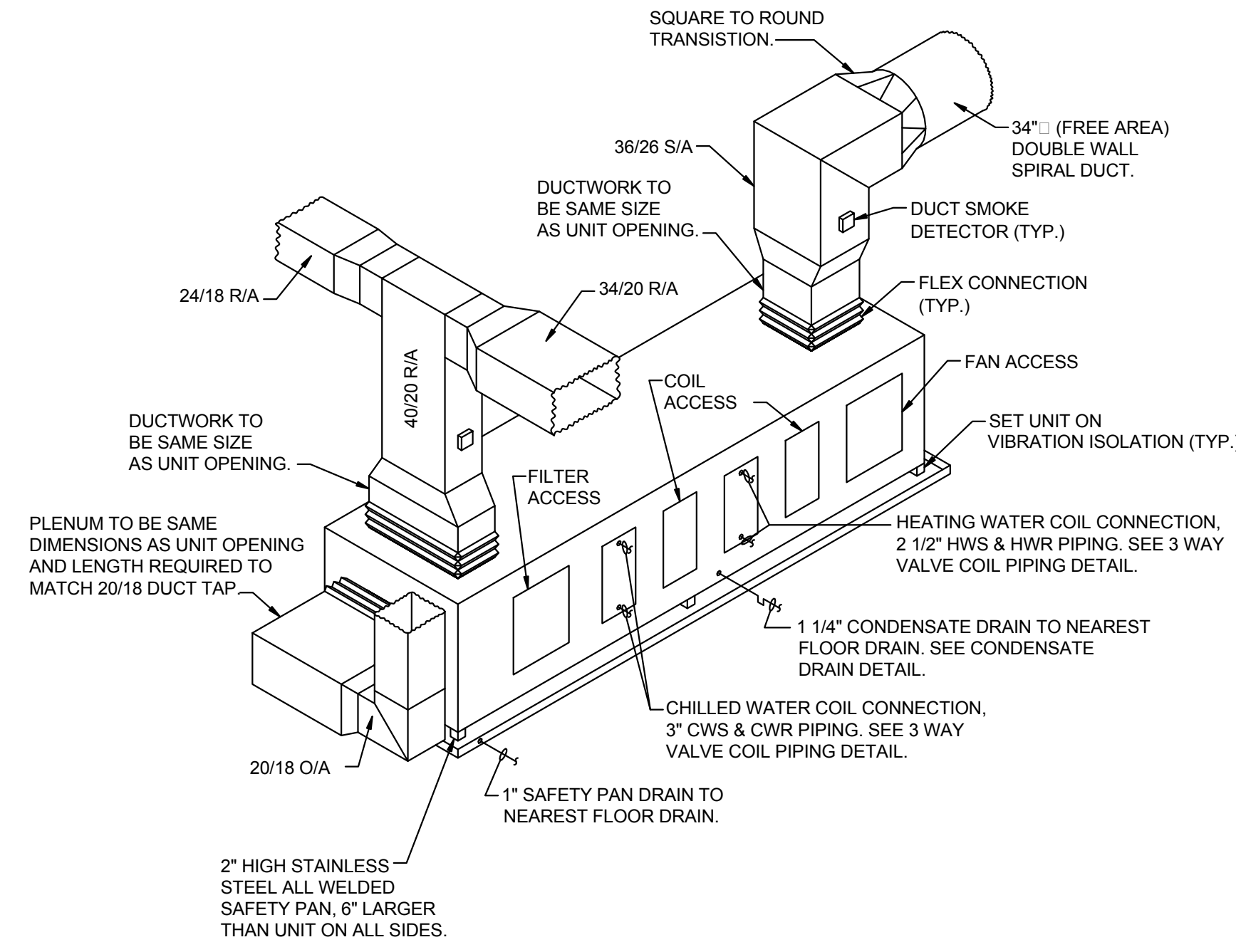
MECHANICAL DETAILS

project number	21161.00	drawing number	M303
date	11-27-19	phase	
scale	1"=1'-0"		
NOVEMBER 27, 2019	100% CD		

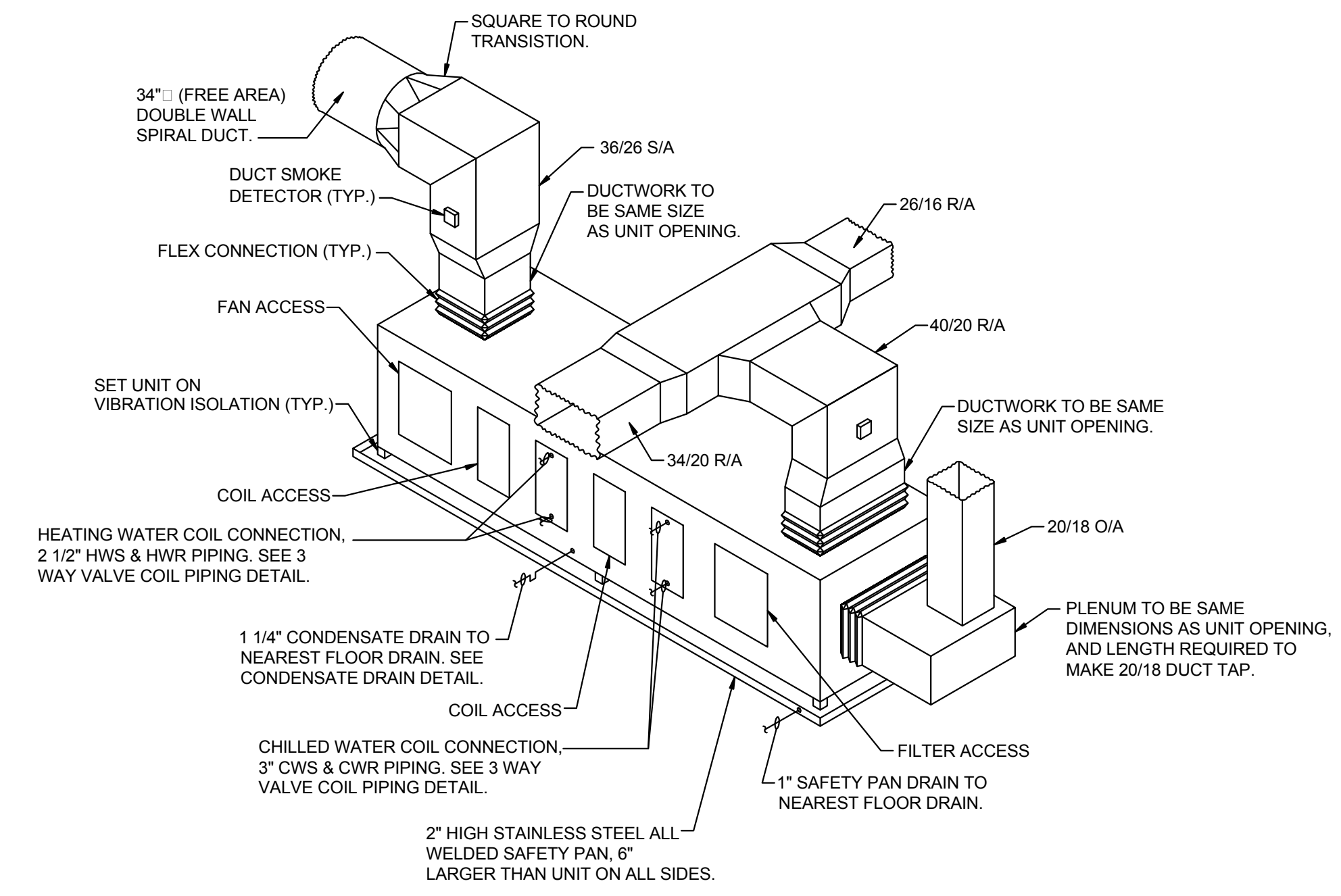
150/001/12/2019



AHU-1 INSTALLATION DETAIL
NOT TO SCALE



AHU-3A INSTALLATION DETAIL
NOT TO SCALE



AHU-3B INSTALLATION DETAIL
NOT TO SCALE

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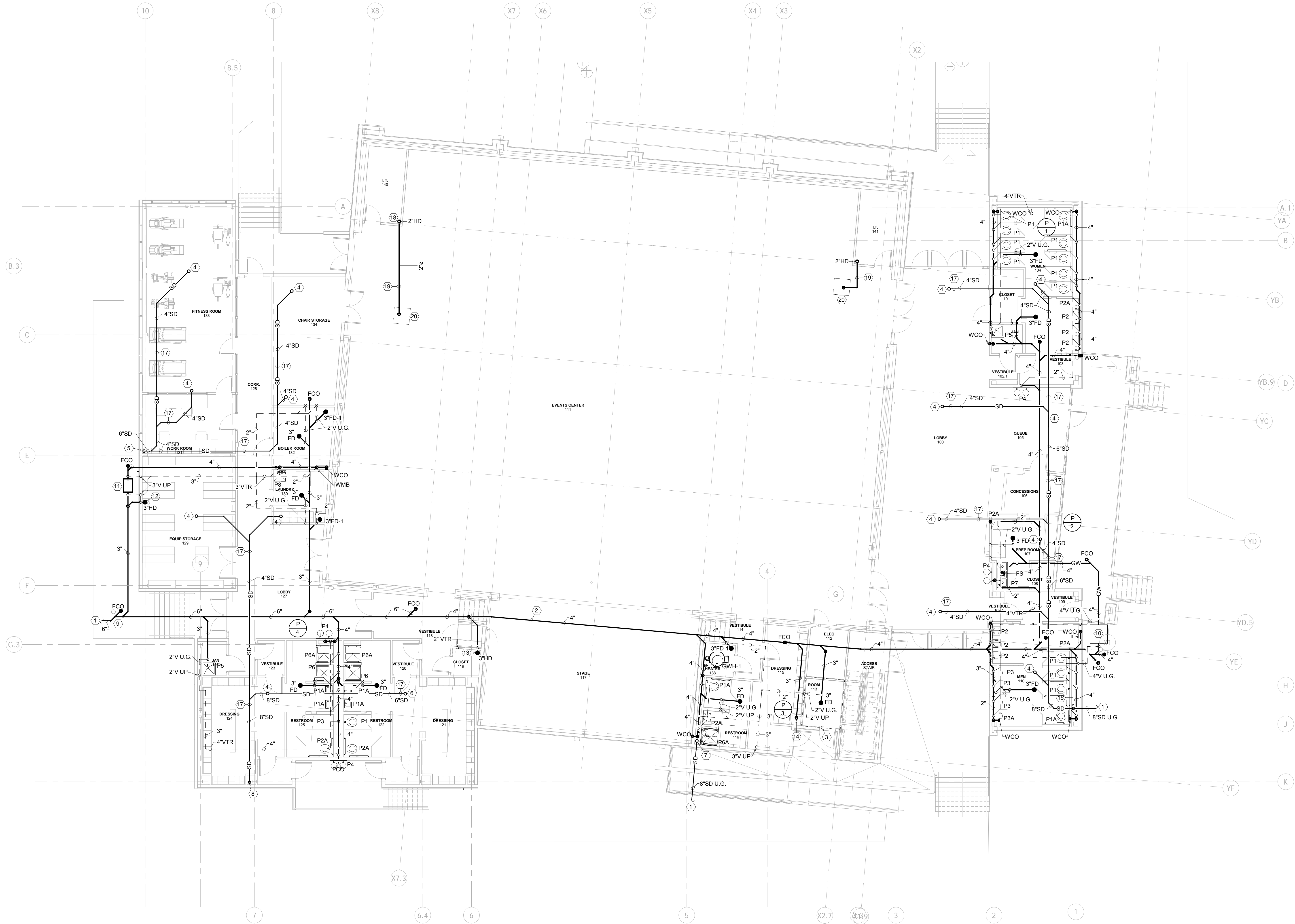
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seal	project number	drawing number	
	21161.00	M304	
	date		11-27-19
	phase		100% CD
NOVEMBER 27, 2019			



1 P101 FIRST FLOOR PLAN - WASTE, VENT AND STORM DRAIN PIPING
1/8" = 1'-0"

- GENERAL NOTES THIS SHEET:
- A. ALL HW, CW AND VENT PIPING SHALL BE RUN ABOVE CEILING UNLESS NOTED OTHERWISE. ROUTE ALL PIPING TIGHT TO STRUCTURE. OFFSET UNDER BEAMS AS REQUIRED. SEE SPECIFICATIONS FOR PIPING INSULATION REQUIREMENTS.
 - B. ALL WASTE PIPING SHALL BE RUN BELOW SLAB UNLESS NOTED OTHERWISE.
 - C. SEE PLUMBING RISERS FOR PIPE SIZES AND SHUT OFF VALVES NOT SHOWN ON PLANS.
 - D. COORDINATE EXACT ROUTING OF ALL PIPING SO AS NOT TO CONFLICT WITH OTHER TRADES INCLUDING DUCTWORK AND ELECTRICAL. ROUTE ALL PIPING TIGHT TO STRUCTURE. PROVIDE OFFSETS AROUND BEAMS AS NECESSARY.
 - E. HANG ALL UNDERGROUND PIPING FROM SLAB. SEE DETAIL ON SHEET P302.
 - F. BUILDING SHALL BE PROTECTED WITH A FULLY AUTOMATIC SPRINKLER SYSTEM. CONTRACTOR SHALL NOT FABRICATE OR INSTALL SPRINKLER SYSTEM UNTIL APPROVAL OF SHOP DRAWINGS HAVE BEEN COMPLETED BY THE ENGINEER AND STATE FIRE MARSHAL. CONTRACTOR SHALL PROVIDE A SYSTEM THAT MEETS ALL REQUIREMENTS OF NFPA 101, 13, 14, 20 AND 24. SEE SPECIFICATIONS SECTION 2111.3.
 - G. PROVIDE ADDITIONAL HEADS IN MECHANICAL ROOMS TO PROVIDE PROPER COVERAGE AROUND DUCTWORK.
 - H. ALL FLOOR DRAINS ARE TO BE CONNECTED TO A TRAP PRIMER. PROVIDE 1/2" DOMESTIC WATER PIPING FROM TRAP PRIMER TO FLOOR DRAIN. SEE PLUMBING RISERS.

- SPECIFIC NOTES THIS SHEET:
- 1 SEE CIVIL DRAWINGS FOR CONTINUATION. PROVIDE SWING JOINT AT CONNECTION. SEE SWING JOINT DETAIL ON SHEET P302.
 - 2 THIS PIPING ROUTED WITHIN CRAWL SPACE UNDER BUILDING.
 - 3 SEE FIRE WATER ENTRANCE DETAIL ON SHEET P302.
 - 4 4" STORM DRAIN PIPING UP TO ROOF DRAIN. SEE SHEET P104 FOR CONTINUATION.
 - 5 6" STORM DRAIN PIPING DOWN TO BENEATH BUILDING. PIPING TO CONNECT TO SUB-SURFACE DRAINAGE BENEATH BUILDING. SEE CIVIL DRAWINGS FOR CONTINUATION.
 - 6 6" STORM DRAIN PIPING UP TO ROOF DRAIN. SEE SHEET P104 FOR CONTINUATION.
 - 7 8" STORM DRAIN PIPING UP TO SECOND FLOOR. SEE SHEET P103 FOR CONTINUATION.
 - 8 8" STORM DRAIN PIPING DOWN TO BENEATH BUILDING. PIPING TO CONNECT TO SUB-SURFACE DRAINAGE BENEATH BUILDING. SEE CIVIL DRAWINGS FOR CONTINUATION.
 - 9 SEE SWING JOINT DETAIL ON SHEET P302.
 - 10 200 GALLON GREASE TRAP, SC1 PRECAST MODEL NO. SC1 GT 200 TI. SEE SHEET P302 FOR DETAIL.
 - 11 LINT INTERCEPTOR, JR SMITH MODEL NO. 8910-25. PROVIDE EXTENSION AS NEEDED TO BRING COVER TO ADJACENT GRADE. SEE SHEET P302 FOR DETAIL.
 - 12 3" HUB DRAIN INSTALLED ABOVE CEILING, TO RECEIVE AHU-1 CONDENSATE.
 - 13 3" HUB DRAIN INSTALLED ABOVE CEILING, TO RECEIVE AC-1 CONDENSATE.
 - 14 3" WASTE UP TO SECOND FLOOR. SEE SHEET P103 FOR CONTINUATION.
 - 15 8" STORM DRAIN DOWN TO UNDERGROUND.
 - 16 2" HUB DRAIN AT FLOOR, TO RECEIVE AC-3 CONDENSATE.
 - 17 THIS STORM DRAIN PIPING ROUTED IN CEILING.
 - 18 2" HUB DRAIN AT FLOOR, TO RECEIVE AC-2 CONDENSATE.
 - 19 2" WASTE PIPING ROUTED BENEATH FLOOR IN CRAWL SPACE. ROUTE TIGHT TO UNDERSIDE OF FLOOR.
 - 20 STORM DRAINAGE DROP INLET UNDER BUILDING. PROVIDED AND INSTALLED UNDER CIVIL SCOPE. SEE CIVIL DRAWINGS FOR FURTHER DETAIL. COORDINATE WITH CIVIL SCOPE FOR EXACT LOCATION. TERMINATE 2" WASTE PIPING 12" ABOVE CENTER OF DROP INLET.

SIZELER THOMPSON BROWN ARCHITECTS
 300 LAFAYETTE STREET, SUITE 200
 NEW ORLEANS, LOUISIANA 70130
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REVISIONS		
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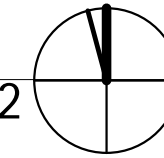
FIRST FLOOR PLAN - WASTE, VENT AND STORM DRAIN PIPING

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project number	21161.00	drawing number	P101
date	11-27-19	phase	
phase	100% CD		
NOVEMBER 27, 2019			



1
P102  FIRST FLOOR PLAN - WATER AND GAS PIPING
1/8" = 1'-0"

GENERAL NOTES THIS SHEET:

- A. ALL HW, CW AND VENT PIPING SHALL BE RUN ABOVE CEILING UNLESS NOTED OTHERWISE. ROUTE ALL PIPING TIGHT TO STRUCTURE. OFFSET UNDER BEAMS AS REQUIRED. SEE SPECIFICATIONS FOR PIPING INSULATION REQUIREMENTS.
- B. ALL WASTE PIPING SHALL BE RUN BELOW SLAB UNLESS NOTED OTHERWISE.
- C. SEE PLUMBING RISERS FOR PIPE SIZES AND SHUT OFF VALVES NOT SHOWN ON PLANS.
- D. COORDINATE EXACT ROUTING OF ALL PIPING SO AS NOT TO CONFLICT WITH OTHER TRADES INCLUDING DUCTWORK AND ELECTRICAL. ROUTE ALL PIPING TIGHT TO STRUCTURE. PROVIDE OFFSETS AROUND BEAMS AS NECESSARY.
- E. HANG ALL UNDERGROUND PIPING FROM SLAB. SEE DETAIL ON SHEET P302.
- F. ALL GAS PIPING TO BE RUN IN ACCORDANCE WITH NFPA-54. SEE GAS RISER ON SHEET P201 FOR EQUIPMENT CONNECTIONS.
- G. BUILDING SHALL BE PROTECTED WITH A FULLY AUTOMATIC SPRINKLER SYSTEM. CONTRACTOR SHALL NOT FABRICATE OR INSTALL SPRINKLER SYSTEM UNTIL APPROVAL OF SHOP DRAWINGS HAVE BEEN COMPLETED BY THE ENGINEER AND STATE FIRE MARSHAL. CONTRACTOR SHALL PROVIDE A SYSTEM THAT MEETS ALL REQUIREMENTS OF NFPA 101, 13, 14, 20 AND 24. SEE SPECIFICATIONS SECTION 2113.3.
- H. PROVIDE ADDITIONAL HEADS IN MECHANICAL ROOMS TO PROVIDE PROPER COVERAGE AROUND DUCTWORK.
- I. ALL FLOOR DRAINS ARE TO BE CONNECTED TO A TRAP PRIMER. PROVIDE 1/2" DOMESTIC WATER PIPING FROM TRAP PRIMER TO FLOOR DRAIN. SEE PLUMBING RISERS.

SPECIFIC NOTES THIS SHEET:

- 1 SEE CIVIL DRAWINGS FOR CONTINUATION.
- 2 2 1/2" COLD WATER UP FROM CRAWL SPACE, UP INTO FIRST FLOOR CEILING.
- 3 1" HOT WATER UP FROM CRAWL SPACE, UP INTO FIRST FLOOR CEILING.
- 4 1" COLD WATER UP TO SECOND FLOOR. SEE SHEET P103 FOR CONTINUATION.
- 5 2" HOT WATER UP FROM GWH-1.
- 6 2" COLD WATER DOWN TO GWH-1.
- 7 1 1/4" COLD WATER PIPING FOR BOILER MAKE-UP WATER, PROVIDE FULL SIZE ISOLATION VALVE IN LINE. SEE SHEET M303 FOR PIPING AND INSTALLATION DETAIL.
- 8 3" DOMESTIC WATER MAIN UP FROM UNDERGROUND. PROVIDE FULL SIZE ISOLATION VALVE IN RISE WITHIN ROOM 113.
- 9 THIS PIPING ROUTED WITHIN CRAWL SPACE UNDER BUILDING.
- 10 SEE ROOM 113 LAYOUT. FIRE PUMP SERVICE ENTRANCE DETAIL AND DOMESTIC WATER BOOSTER SYSTEM DETAIL IN SHEET P302.
- 11 2" HOT WATER DOWN TO CRAWL SPACE.
- 12 LOCATION OF NEW GAS METER. COORDINATE WITH ATMOS ENERGY FOR INSTALLATION OF METER AND INSTALLATION OF NEW SERVICE. METER TO HAVE DISCHARGE OF 2200 CFH @ 5PSI. SEE PIPING RISER ON SHEET P201.
- 13 1" NATURAL GAS UP TO STAGE CEILING. ROUTED TIGHT TO UNDERSIDE OF STRUCTURE. SEE CONTINUATION ON SHEET P103.
- 14 6" FIRE WATER PIPING TO BUILDING SYSTEM. SEE SPECIFICATION SECTION 211313 FOR REQUIREMENTS.
- 15 3" COLD WATER UP FROM CRAWL SPACE.
- 16 SEE GWH-1 INSTALLATION DETAIL ON SHEET P302.
- 17 1" HOT WATER UP FROM CRAWL SPACE.
- 18 2 1/2" COLD WATER UP FROM CRAWL SPACE.
- 19 2" HOT WATER UP FROM CRAWL SPACE.
- 20 1 1/4" GAS PIPING DOWN TO BOILER.
- 21 3/4" HOT WATER RECIRCULATION PIPING UP FROM CRAWL SPACE.
- 22 3" DOMESTIC WATER UP FROM UNDERGROUND AND TO DOMESTIC WATER BOOSTER PUMP, AND 3" WATER DOWN FROM DOMESTIC WATER BOOSTER PUMP TO CRAWL SPACE.

SIZELER THOMPSON BROWN ARCHITECTS
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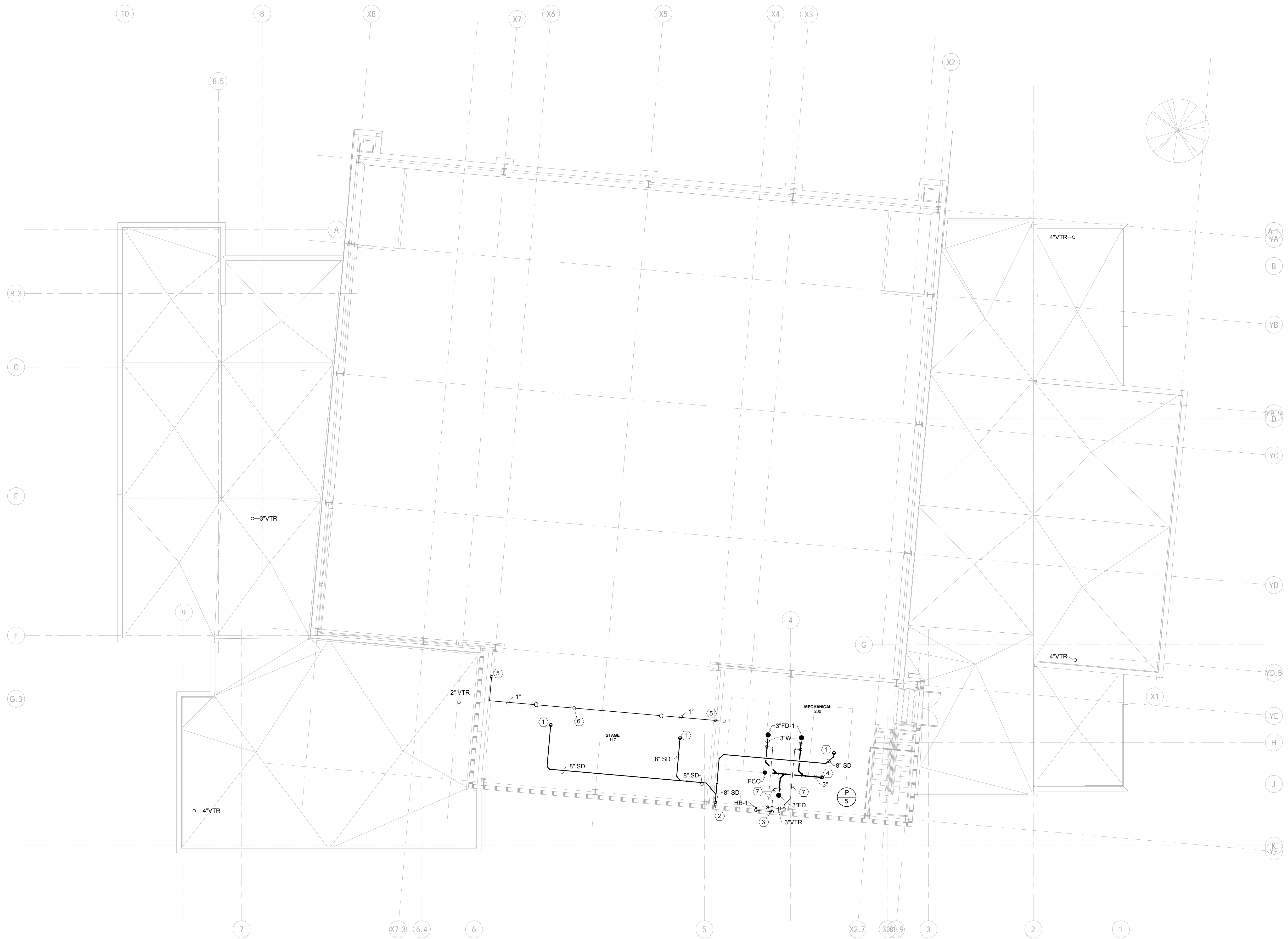
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FIRST FLOOR PLAN - WATER AND GAS PIPING

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seal	project number	drawing number
	21161.00	P102
date	11-27-19	phase
NOVEMBER 27, 2019	100% CD	



1 SECOND FLOOR PLAN - PLUMBING
 P103 1/8" = 1'-0"

GENERAL NOTES THIS SHEET:

- A. ALL HW, CW AND VENT PIPING SHALL BE RUN ABOVE CEILING UNLESS NOTED OTHERWISE. ROUTE ALL PIPING TIGHT TO STRUCTURE. OFFSET UNDER BEAMS AS REQUIRED. SEE SPECIFICATIONS FOR PIPING INSULATION REQUIREMENTS.
- B. ALL WASTE PIPING SHALL BE RUN BELOW SLAB UNLESS NOTED OTHERWISE.
- C. SEE PLUMBING RISERS FOR PIPE SIZES AND SHUT OFF VALVES NOT SHOWN ON PLANS.
- D. COORDINATE EXACT ROUTING OF ALL PIPING SO AS NOT TO CONFLICT WITH OTHER TRADES INCLUDING DUCTWORK AND ELECTRICAL. ROUTE ALL PIPING TIGHT TO STRUCTURE. PROVIDE OFFSETS AROUND BEAMS AS NECESSARY.
- E. HANG ALL UNDERGROUND PIPING FROM SLAB. SEE DETAIL ON SHEET P302.
- F. ALL GAS PIPING TO BE RUN IN ACCORDANCE WITH NFPA-54. SEE GAS RISER ON SHEET P201 FOR EQUIPMENT CONNECTIONS.
- G. BUILDING SHALL BE PROTECTED WITH A FULLY AUTOMATIC SPRINKLER SYSTEM. CONTRACTOR SHALL NOT FABRICATE OR INSTALL SPRINKLER SYSTEM UNTIL APPROVAL OF SHOP DRAWINGS HAVE BEEN COMPLETED BY THE ENGINEER AND STATE FIRE MARSHAL. CONTRACTOR SHALL PROVIDE A SYSTEM THAT MEETS ALL REQUIREMENTS OF NFPA 101, 13, 14, 20 AND 24. SEE SPECIFICATIONS SECTION 211313.
- H. PROVIDE ADDITIONAL HEADS IN MECHANICAL ROOMS TO PROVIDE PROPER COVERAGE AROUND DUCTWORK.

SPECIFIC NOTES THIS SHEET:

- 1 8" STORM DRAIN PIPING DOWN FROM ROOF DRAIN. SEE SHEET P105 FOR CONTINUATION.
- 2 8" STORM DRAIN PIPING DOWN TO FIRST FLOOR. SEE SHEET P101 FOR CONTINUATION.
- 3 1" COLD WATER UP FROM FIRST FLOOR. CONTINUE 1" COLD WATER PIPING UP TO ROOF. SEE SHEET P105 FOR CONTINUATION.
- 4 3" WASTE DOWN TO FIRST FLOOR CRAWL SPACE. SEE SHEET P101 FOR CONTINUATION.
- 5 1" NATURAL GAS LINE UP FROM FIRST FLOOR. SEE SHEET P101 FOR CONTINUATION.
- 6 NATURAL GAS LINE ROUTED TIGHT TO UNDERSIDE OF STRUCTURE.
- 7 2" VENT PIPING ROUTED UNDER SECOND FLOOR SLAB.

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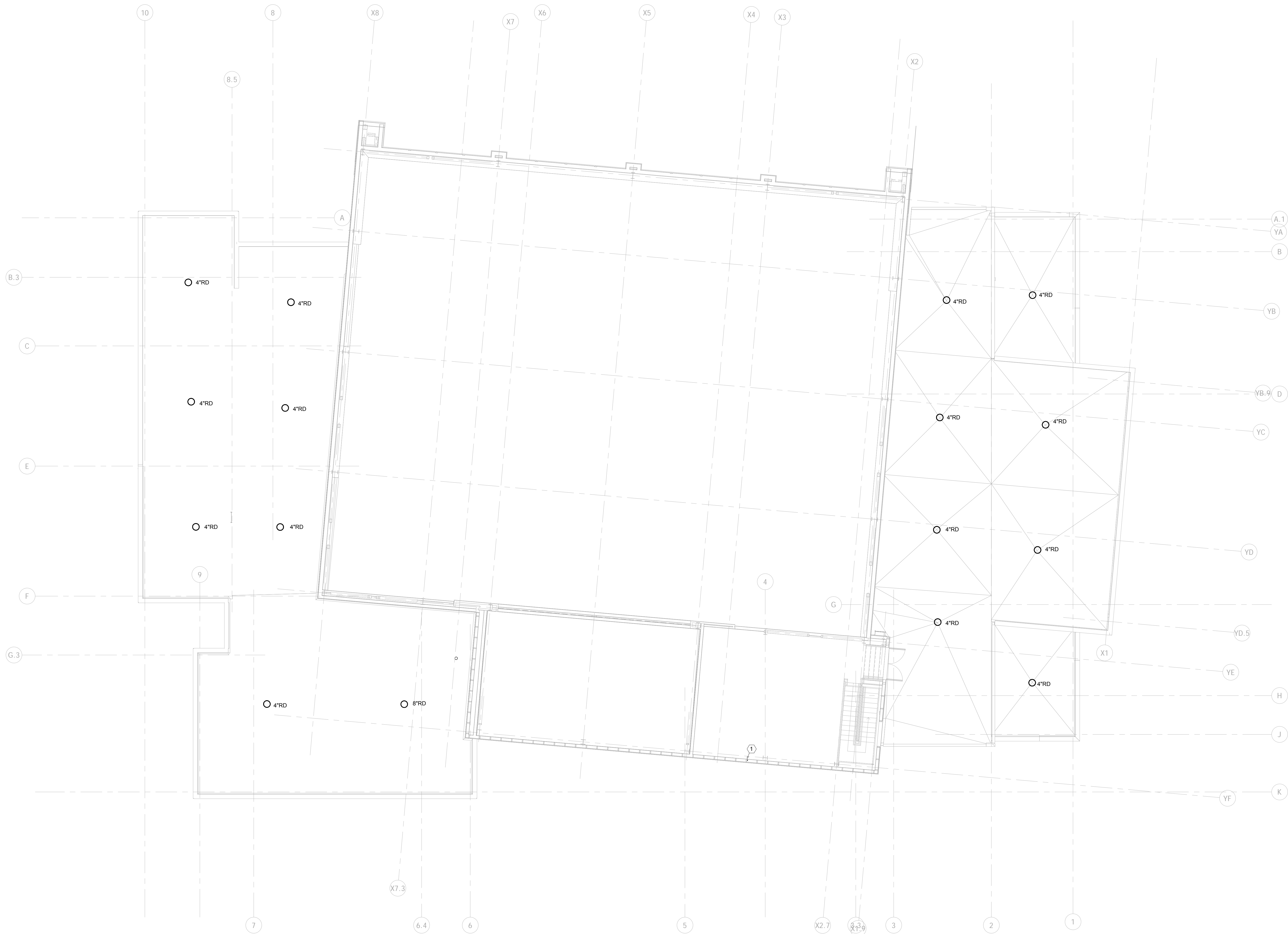
SECOND FLOOR PLAN - PLUMBING

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DATE	date 11-27-19	phase 100% CD
NOVEMBER 27, 2019		

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1 P104 LOWER ROOF PLAN - PLUMBING
1/8" = 1'-0"

- GENERAL NOTES THIS SHEET:
- A. ALL HW, CW AND VENT PIPING SHALL BE RUN ABOVE CEILING UNLESS NOTED OTHERWISE. ROUTE ALL PIPING TIGHT TO STRUCTURE. OFFSET UNDER BEAMS AS REQUIRED. SEE SPECIFICATIONS FOR PIPING INSULATION REQUIREMENTS.
 - B. ALL WASTE PIPING SHALL BE RUN BELOW SLAB UNLESS NOTED OTHERWISE.
 - C. SEE PLUMBING RISERS FOR PIPE SIZES AND SHUT OFF VALVES NOT SHOWN ON PLANS.
 - D. COORDINATE EXACT ROUTING OF ALL PIPING SO AS NOT TO CONFLICT WITH OTHER TRADES INCLUDING DUCTWORK AND ELECTRICAL. ROUTE ALL PIPING TIGHT TO STRUCTURE. PROVIDE OFFSETS AROUND BEAMS AS NECESSARY.
 - E. HANG ALL UNDERGROUND PIPING FROM SLAB. SEE DETAIL ON SHEET P302.
 - F. ALL GAS PIPING TO BE RUN IN ACCORDANCE WITH NFPA-54. SEE GAS RISER ON SHEET P302 FOR EQUIPMENT CONNECTIONS.
 - G. BUILDING SHALL BE PROTECTED WITH A FULLY AUTOMATIC SPRINKLER SYSTEM. CONTRACTOR SHALL NOT FABRICATE OR INSTALL SPRINKLER SYSTEM UNTIL APPROVAL OF SHOP DRAWINGS HAVE BEEN COMPLETED BY THE ENGINEER AND STATE FIRE MARSHAL. CONTRACTOR SHALL PROVIDE A SYSTEM THAT MEETS ALL REQUIREMENTS OF NFPA 101, 13, 14, 20 AND 24. SEE SPECIFICATIONS SECTION 211313.
 - H. PROVIDE ADDITIONAL HEADS IN MECHANICAL ROOMS TO PROVIDE PROPER COVERAGE AROUND DUCTWORK.

SPECIFIC NOTES THIS SHEET:

1 1" COLD WATER PIPING UP FROM SECOND FLOOR AND UP TO ROOF. SEE SHEETS P103 AND P105 FOR CONTINUATION.

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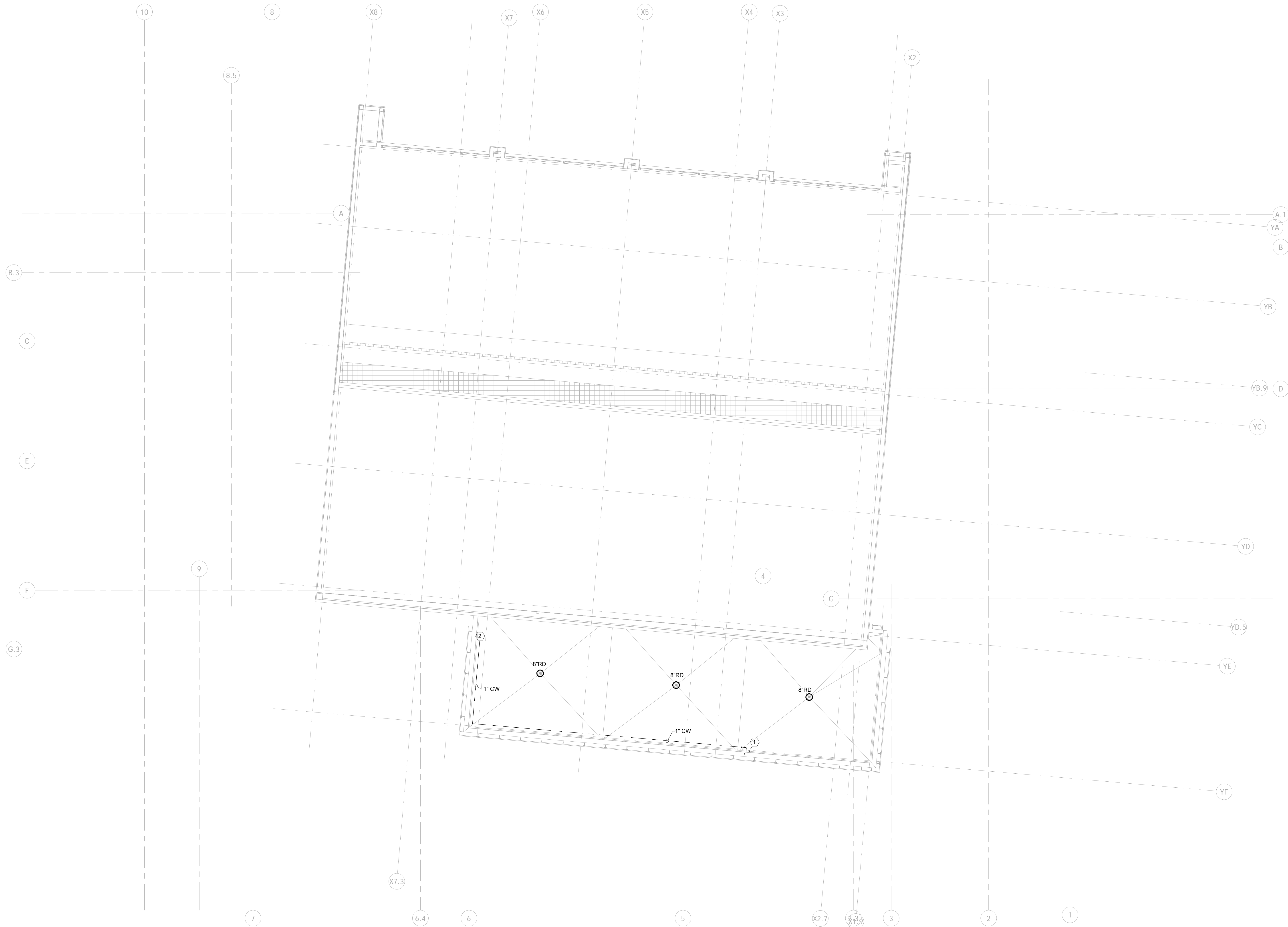
LOWER ROOF PLAN - PLUMBING

seal	project number	drawing number
	21161.00	P104
date	11-27-19	phase
NOVEMBER 27, 2019	100% CD	

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1
P105  UPPER ROOF PLAN - PLUMBING
1/8" = 1'-0"

- GENERAL NOTES THIS SHEET:
- A. ALL HW, CW AND VENT PIPING SHALL BE RUN ABOVE CEILING UNLESS NOTED OTHERWISE. ROUTE ALL PIPING TIGHT TO STRUCTURE. OFFSET UNDER BEAMS AS REQUIRED. SEE SPECIFICATIONS FOR PIPING INSULATION REQUIREMENTS.
 - B. ALL WASTE PIPING SHALL BE RUN BELOW SLAB UNLESS NOTED OTHERWISE.
 - C. SEE PLUMBING RISERS FOR PIPE SIZES AND SHUT OFF VALVES NOT SHOWN ON PLANS.
 - D. COORDINATE EXACT ROUTING OF ALL PIPING SO AS NOT TO CONFLICT WITH OTHER TRADES INCLUDING DUCTWORK AND ELECTRICAL. ROUTE ALL PIPING TIGHT TO STRUCTURE. PROVIDE OFFSETS AROUND BEAMS AS NECESSARY.
 - E. HANG ALL UNDERGROUND PIPING FROM SLAB. SEE DETAIL ON SHEET P302.
 - F. ALL GAS PIPING TO BE RUN IN ACCORDANCE WITH NFPA-54. SEE GAS RISER ON SHEET P201 FOR EQUIPMENT CONNECTIONS.
 - G. BUILDING SHALL BE PROTECTED WITH A FULLY AUTOMATIC SPRINKLER SYSTEM. CONTRACTOR SHALL NOT FABRICATE OR INSTALL SPRINKLER SYSTEM UNTIL APPROVAL OF SHOP DRAWINGS HAVE BEEN COMPLETED BY THE ENGINEER AND STATE FIRE MARSHAL. CONTRACTOR SHALL PROVIDE A SYSTEM THAT MEETS ALL REQUIREMENTS OF NFPA 101, 13, 14, 20 AND 24. SEE SPECIFICATIONS SECTION 211313.
 - H. PROVIDE ADDITIONAL HEADS IN MECHANICAL ROOMS TO PROVIDE PROPER COVERAGE AROUND DUCTWORK.

- SPECIFIC NOTES THIS SHEET:
- ① 1" COLD WATER PIPING UP FROM SECOND FLOOR. SEE SHEET P103 FOR CONTINUATION.
 - ② ROUTE TO CHILLED WATER SYSTEM AIR SEPARATOR. SEE SHEET M104 FOR LOCATION OF AIR SEPARATOR.

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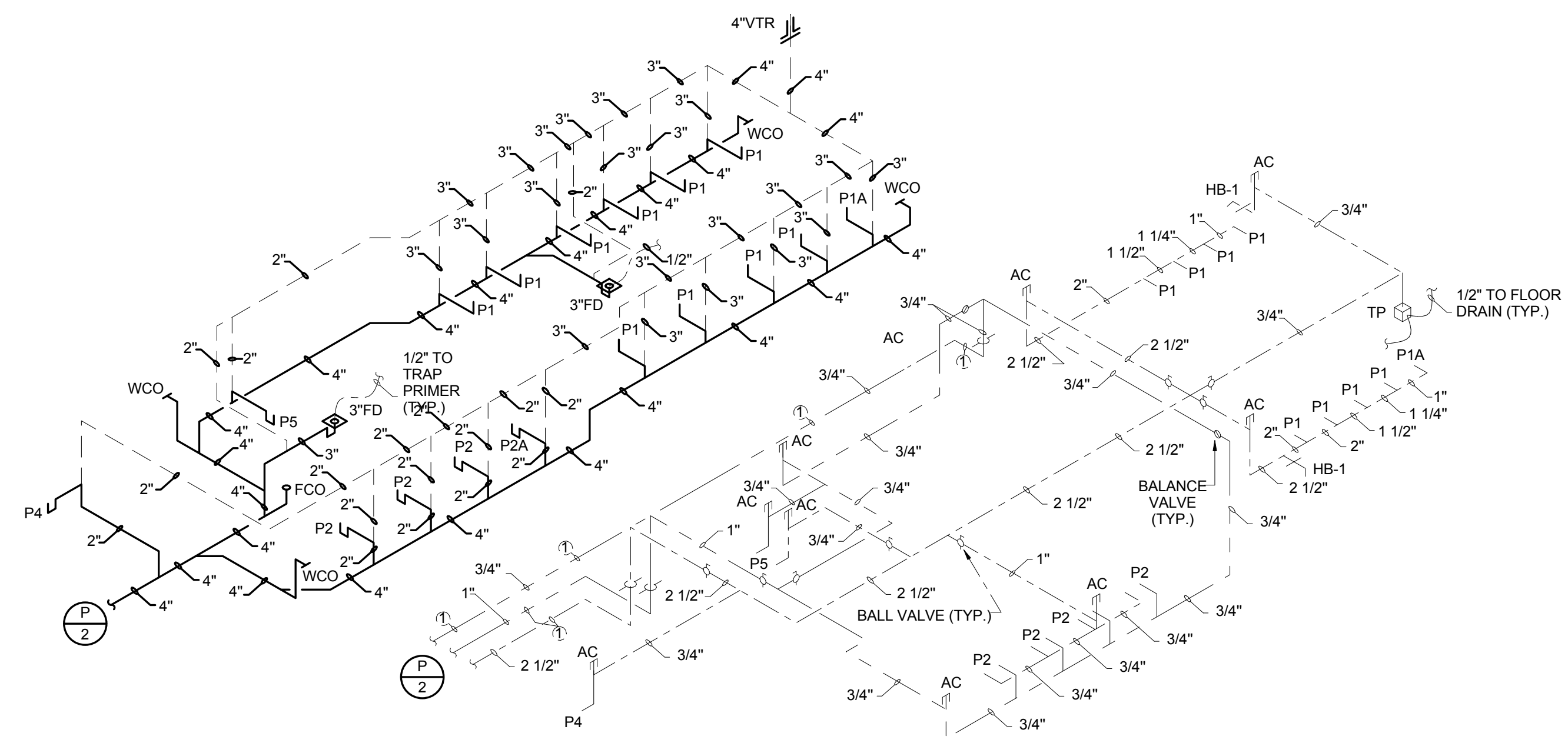
UPPER ROOF PLAN - PLUMBING

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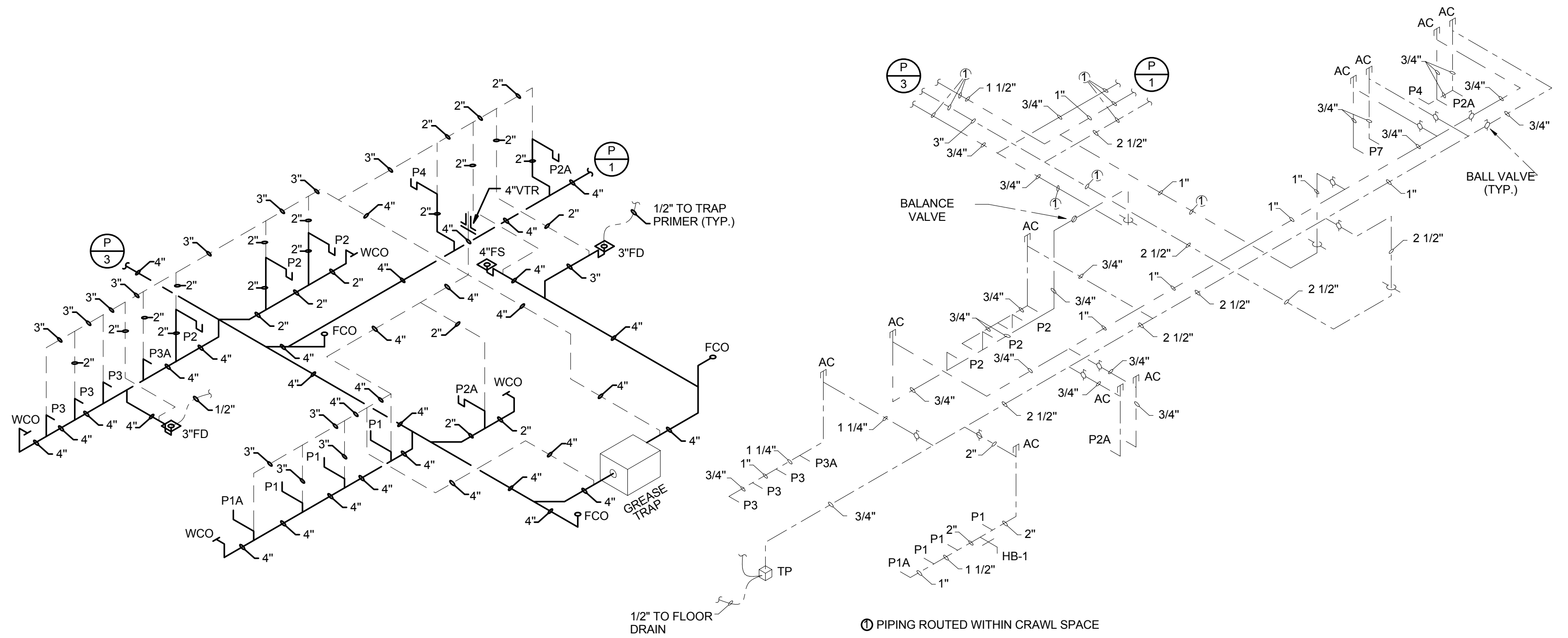
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	21161.00	P105
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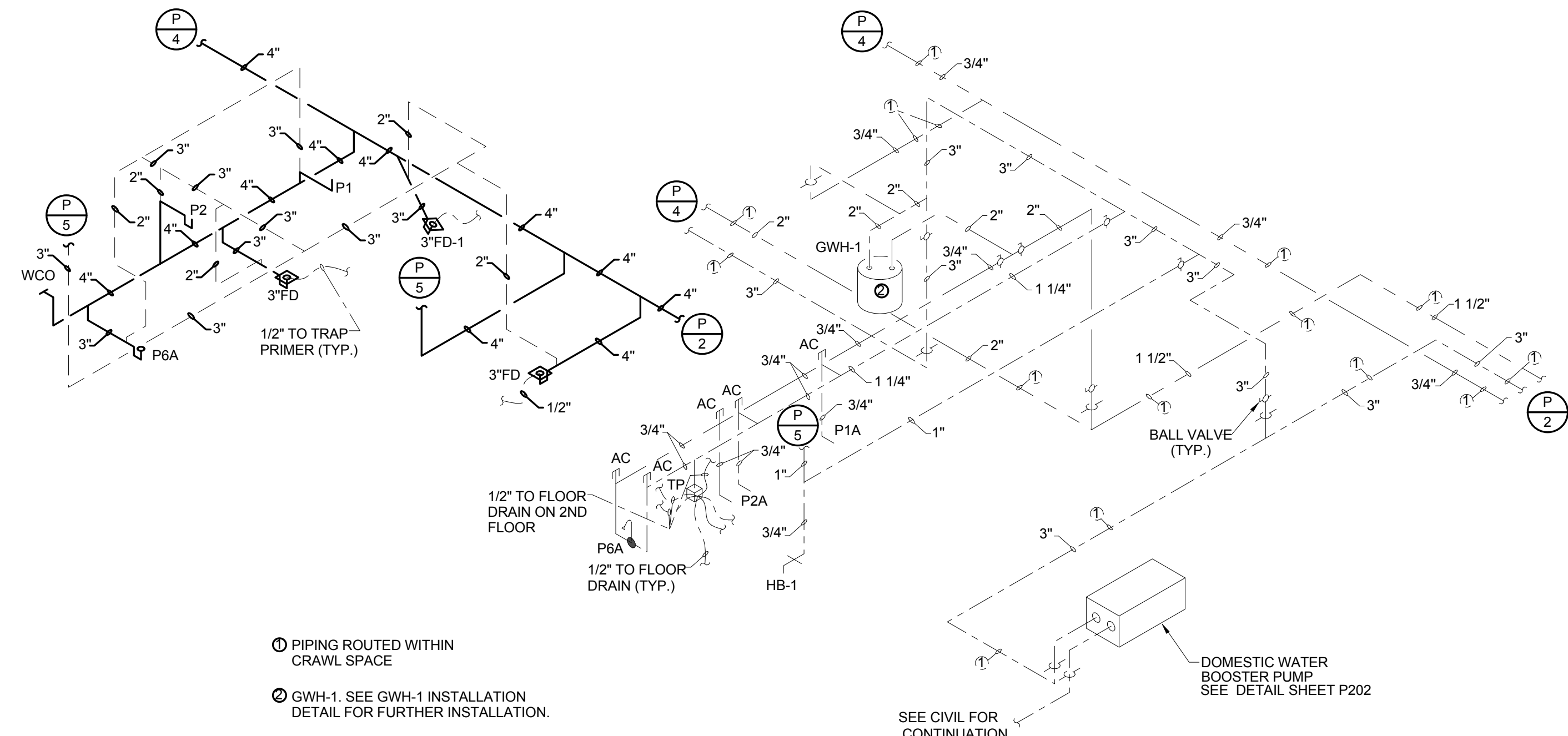
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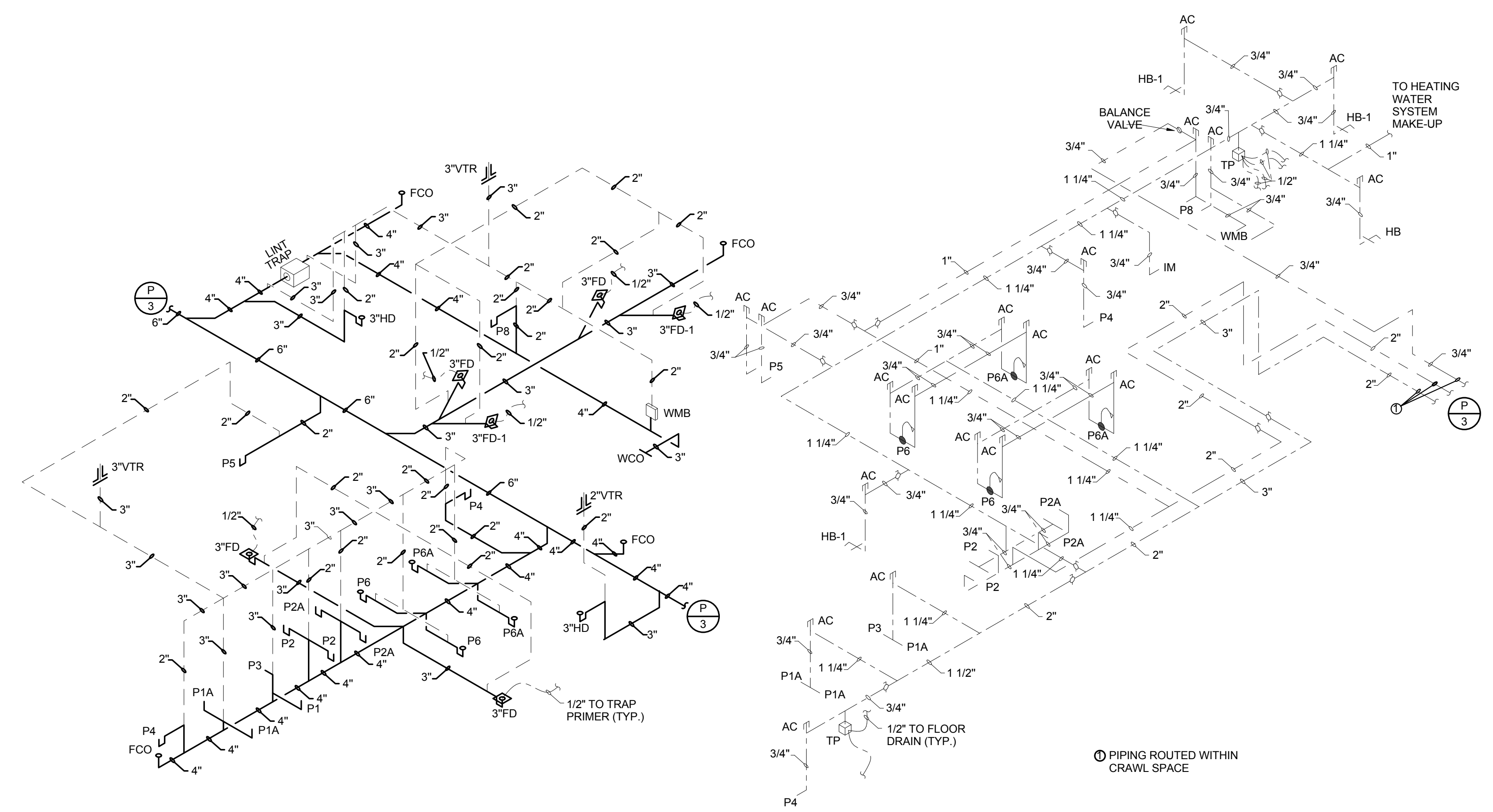
WASTE AND VENT PIPING **P 1** HOT AND COLD WATER PIPING



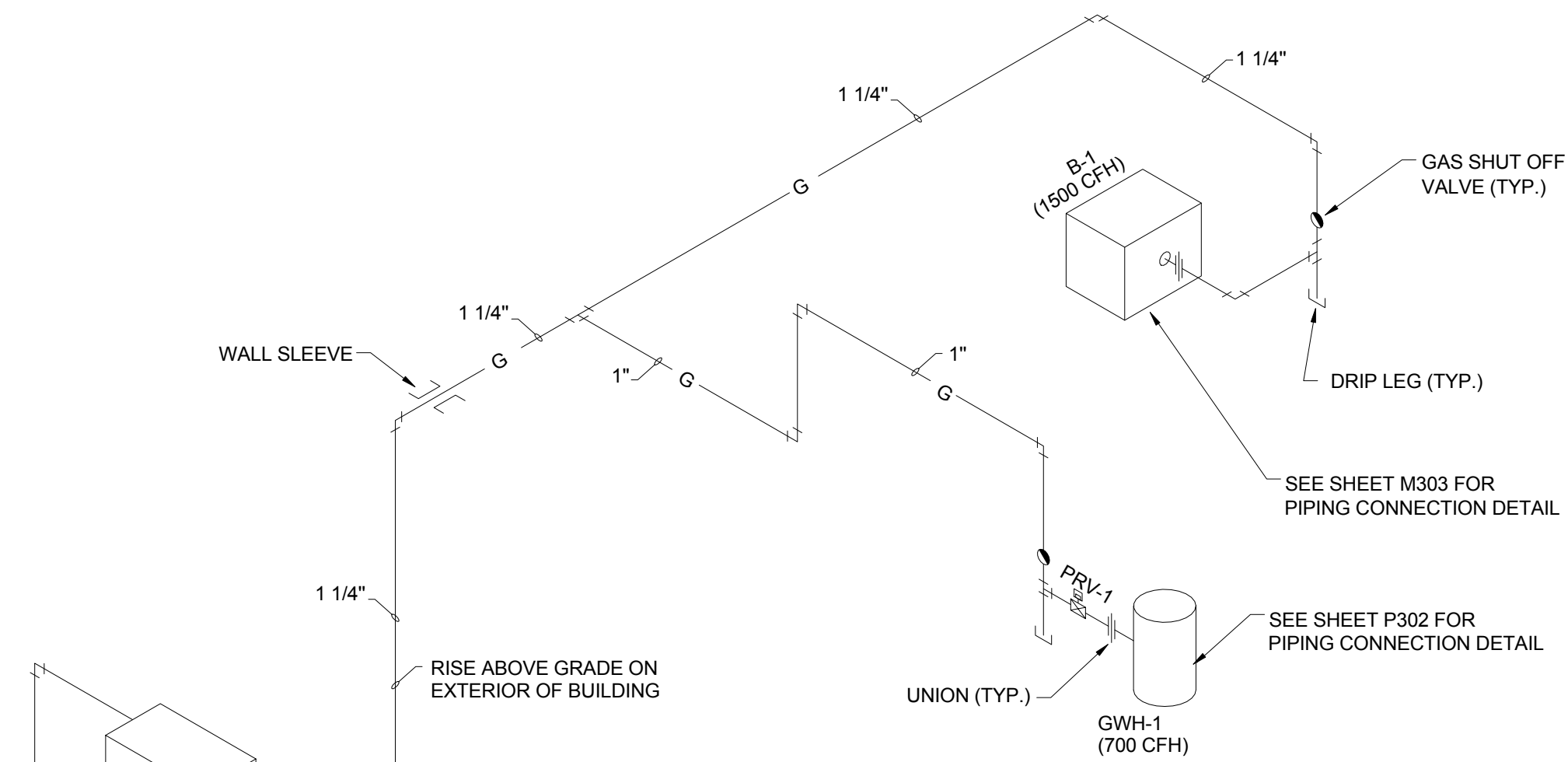
WASTE AND VENT PIPING **P 2** HOT AND COLD WATER PIPING



WASTE AND VENT PIPING **P 3** HOT AND COLD WATER PIPING



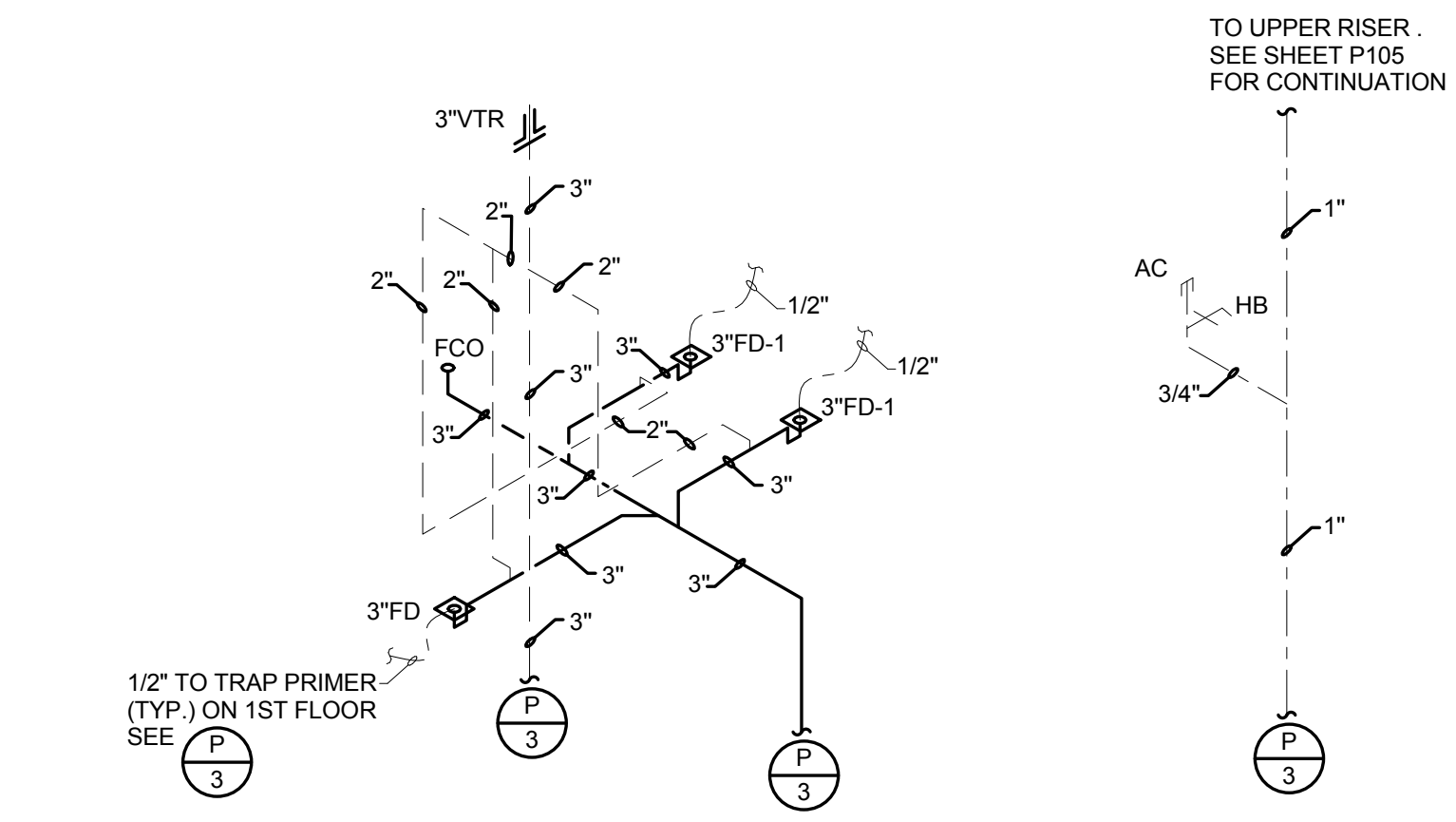
WASTE AND VENT PIPING **P 4** HOT AND COLD WATER PIPING



PRESSURE REDUCING VALVE SCHEDULE

MARK	CFH	INLET PSI	OUTLET IN. WC.	PIPE INLET	PIPE OUTLET
PRV-1	700	5	7"	1"	1 1/4"

NATURAL GAS RISER
NOT TO SCALE



WASTE AND VENT PIPING **P 5** HOT AND COLD WATER PIPING

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PLUMBING RISER DIAGRAMS

project number	21161.00	drawing number	P201
date	11-27-19	phase	100% CD
NOVEMBER 27, 2019	100% CD		

150/001/22/11/19

		GAS		WATER		HEATER		SCHEDULE	
MARK	LOCATION	GAL.	RECOVERY 100°F RISE	INPUT BTU/HR	ELECTRICAL VOLTS	PH.	MOUNTING	PIPE SIZE	DESCRIPTION
GWH-1	MECHANICAL 200	130	815 GPM	700,000	120	1	FLOOR	2"	GAS CONDENSING WATER HEATER WITH DUCTED COMBUSTION AND EXHAUST. PVI 70 L 130A-GCML

		DOMESTIC		WATER		BOOSTER		PUMP		SCHEDULE	
MARK	LOCATION	MIN SUCTION PRESS. PSI	DISCHARGE PRESSURE PSIG	FLOW		MOTORS					DESCRIPTION
				PUMP 1 GPM	PUMP 2 GPM	PH	VOLTS	PH	RPM		
DWBP-1	ROOM 113	25	60	55	55	3	460	HP	3500	DUPLIX VARIABLE SPEED, VARIABLE FLOW FACTORY ASSEMBLED WATER BOOSTER SYSTEM WITH HYDRO PNEUMATIC TANK. SEE SPECIFICATIONS. CANARIIS DS-110-25-ZVS	

PLUMBING		LEGEND	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
--- --	COLD WATER	HB	HOSE BIBB
--- --	HOT WATER	HW	HOT WATER
--- --	HOT WATER CIRCULATING	RD	ROOF DRAIN
--- --	VENT	TD	TRENCH DRAIN
--- SS ---	SANITARY SEWER	TP	TRAP PRIMER
--- SD ---	STORM DRAIN	(TYP)	TYPICAL
CLG.	CEILING		BALL VALVE
CO	CLEAN OUT		PLUMBING RISER DIAGRAM
CONN.	CONNECTION		GATE VALVE
CW	COLD WATER		CHECK VALVE
DF	DRINKING FOUNTAIN		VALVE IN VERTICAL RISE
DN	DOWN		UNION
FD	FLOOR DRAIN		AIR CHAMBER (10" HIGH PIPE)
IM	ICE MAKER	WMB	WASHING MACHINE BOX

PLUMBING		FIXTURE		SCHEDULE	
MARK	FIXTURE	WASTE	H.W.	C.W.	DESCRIPTION
P1	WC	4"	-	1"	FLOOR MOUNTED WATER CLOSET WITH ELONGATED BOWL AND FLUSH VALVE. SEE SPECIFICATION SECTION 220400 FOR COMPLETE REQUIREMENTS.
P1A	WC	4"	-	1"	FLOOR MOUNTED WATER CLOSET WITH ELONGATED BOWL AND FLUSH VALVE ADA COMPLIANT. SEE SPECIFICATION SECTION 220400 FOR COMPLETE REQUIREMENTS.
P2	LAV	1 1/2"	1/2"	1/2"	WALL HUNG LAVATORY WITH SENSOR FAUCET. SEE SPECIFICATION SECTION 220400 FOR COMPLETE REQUIREMENTS.
P2A	LAV	1 1/2"	1/2"	1/2"	WALL HUNG LAVATORY WITH SENSOR FAUCET. MOUNT FOR ADA COMPLIANT. SEE SPECIFICATION SECTION 220400 FOR COMPLETE REQUIREMENTS.
P3	UR	2"	-	1"	WALL HUNG URINAL WITH FLUSH VALVE. SEE SPECIFICATION SECTION 220400 FOR COMPLETE REQUIREMENTS.
P3A	UR	2"	-	1"	WALL HUNG URINAL WITH FLUSH VALVE MOUNT FOR ADA COMPLIANT. SEE SPECIFICATION SECTION 220400 FOR COMPLETE REQUIREMENTS.
P4	DF	2"	-	1/2"	DUAL LEVEL ELECTRIC FOUNTAIN, RECESSED MOUNTED, ADA COMPLIANT. SEE SPECIFICATION SECTION 220400 FOR COMPLETE REQUIREMENTS.
P5	SS	3"	1/2"	1"	MOP SINK. SEE SPECIFICATION SECTION 220400 FOR COMPLETE REQUIREMENTS.
P6	SHOWER	2"	1/2"	1/2"	SHOWER MODULE. SEE SPECIFICATION SECTION 220400 FOR COMPLETE REQUIREMENTS.
P6A	SHOWER	2"	1/2"	1/2"	SHOWER MODULE ADA COMPLIANT. SEE SPECIFICATION SECTION 220400 FOR COMPLETE REQUIREMENTS.
P7	SINK	3"	1/2"	1/2"	S.S. THREE COMPARTMENT SINK, WITH SWING SPOUT FAUCET. SEE SPECIFICATION SECTION 220400 FOR COMPLETE REQUIREMENTS.
P8	SS	1 1/2"	1/2"	1/2"	STAND UP LAUNDRY TUB WITH LEGS, FAUCET INCLUDED. SEE SPECIFICATION SECTION 220400 FOR COMPLETE REQUIREMENTS.
HB	HOSE BIBB	-	-	3/4"	SILL COCK WITH VACUUM BREAKER. SEE SPECIFICATION SECTION 220400 FOR COMPLETE REQUIREMENTS.
HB-1	HOSE BIBB	-	-	3/4"	NON FREEZE EXTERIOR HYDRANT WITH VACUUM BREAKER. SEE SPECIFICATION SECTION 220400 FOR COMPLETE REQUIREMENTS.
TP	TRAP PRIMER	-	-	1/2"	SEE DETAIL. SEE SPECIFICATION SECTION 220400 FOR COMPLETE REQUIREMENTS.
FD	FLOOR DRAIN	3"	-	-	CAST IRON FLOOR DRAIN WITH ROUND TAP. SEE SPECIFICATION SECTION 220400 FOR COMPLETE REQUIREMENTS.

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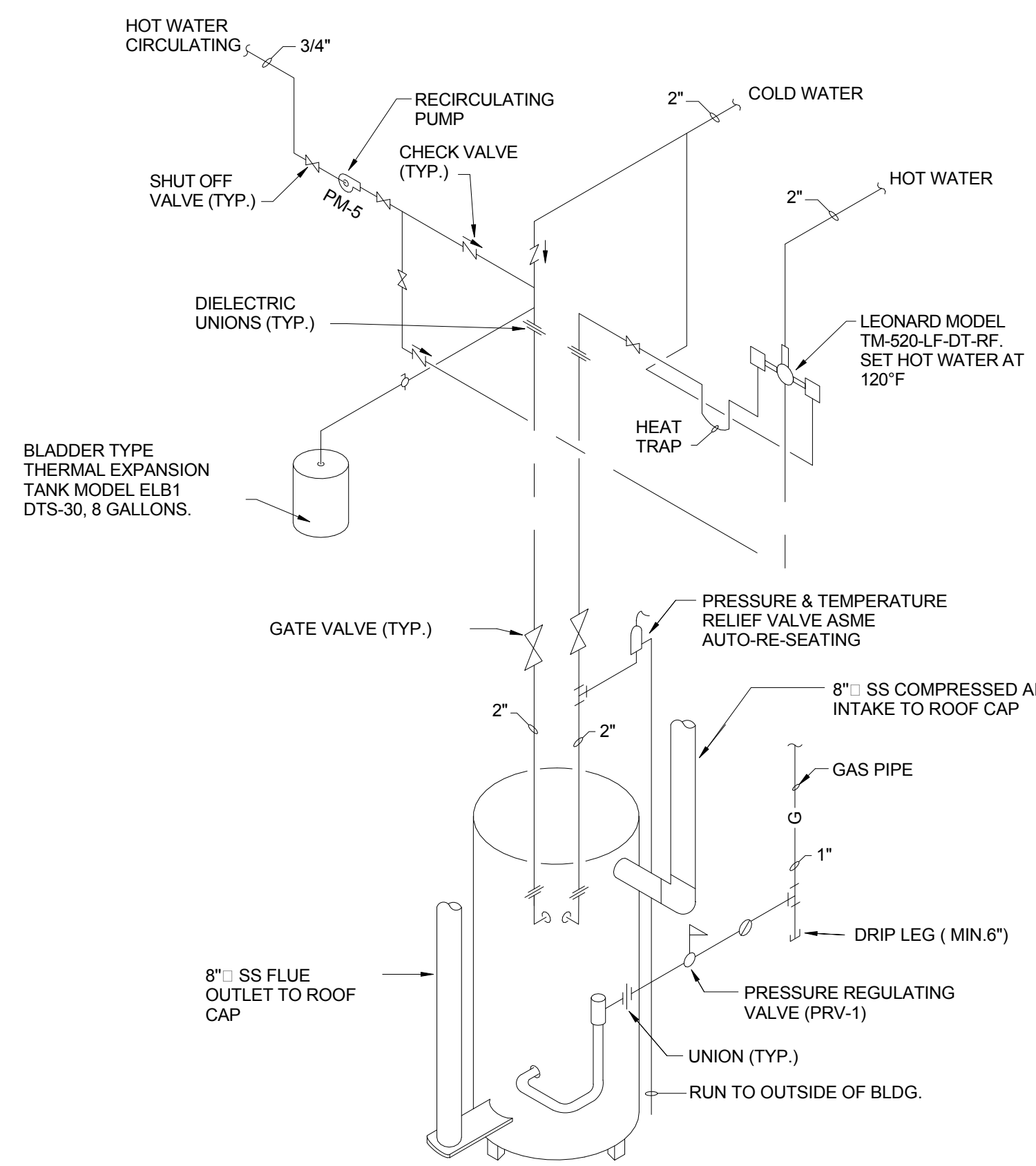
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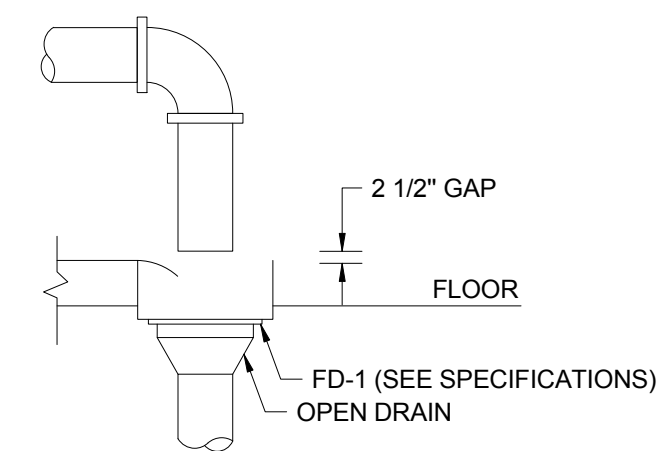
PLUMBING SCHEDULES

seal	project number	drawing number
	21161.00	P301
date	phase	
11-27-19	100% CD	
NOVEMBER 27, 2019		

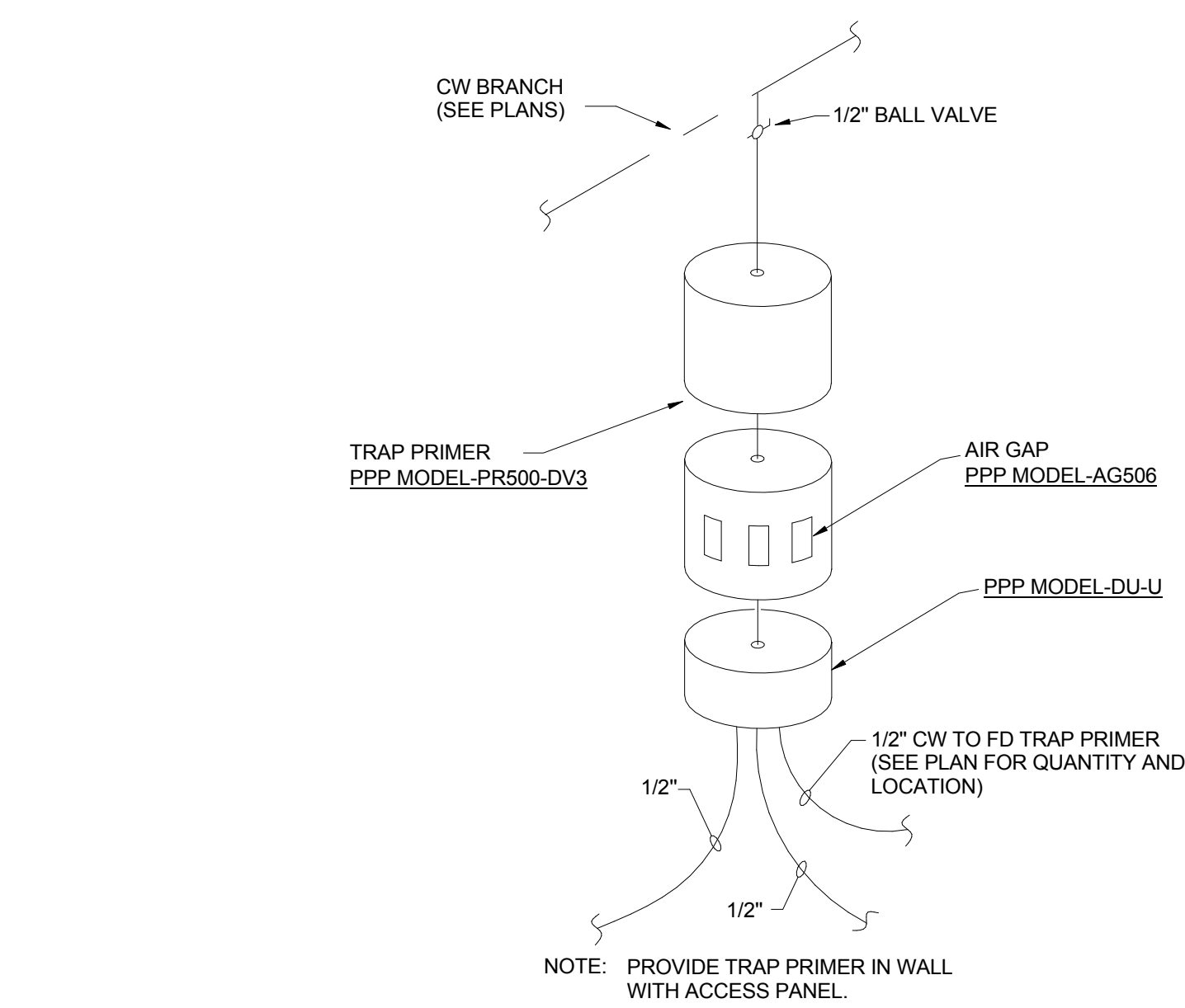
13/04/2012 11:14 AM



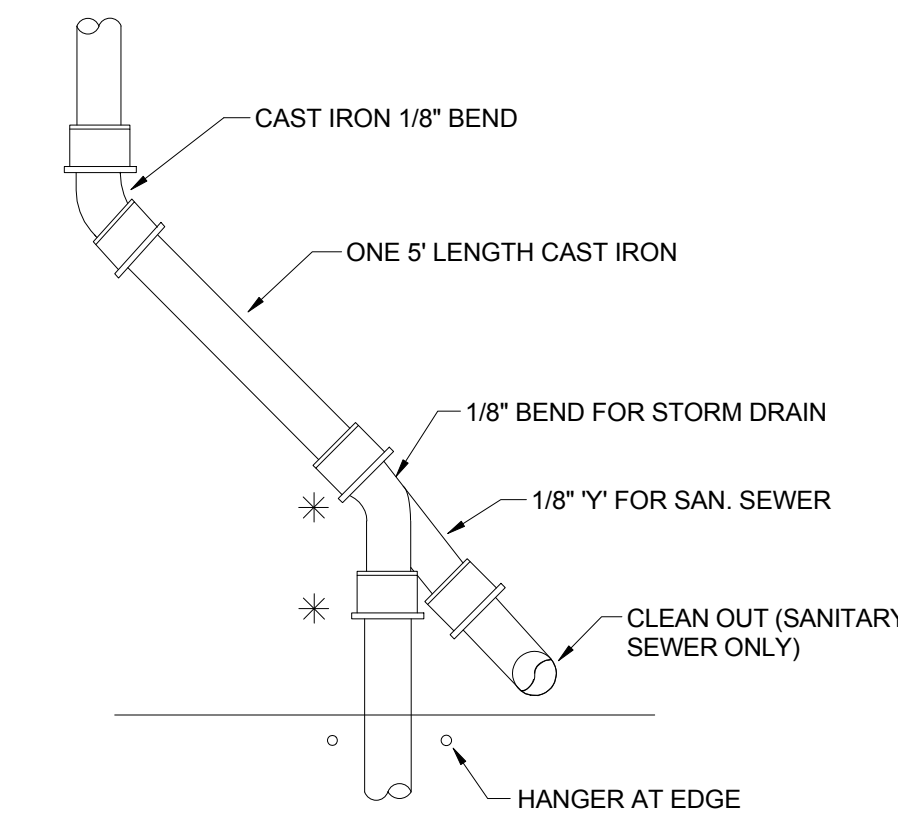
CONDENSING GAS WATER HEATER (GWH-1) DETAIL
NOT TO SCALE



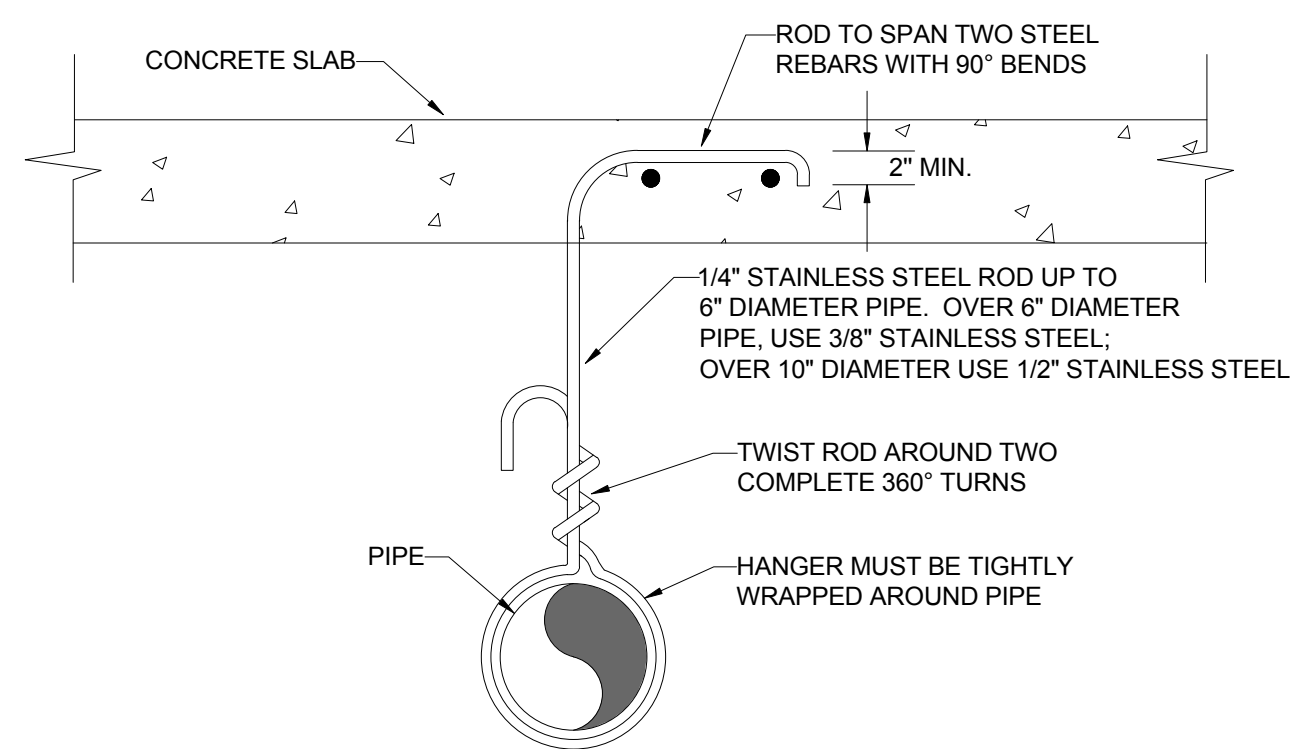
TYPICAL INDIRECT WASTE/DRAIN TERMINATION DETAIL
NOT TO SCALE



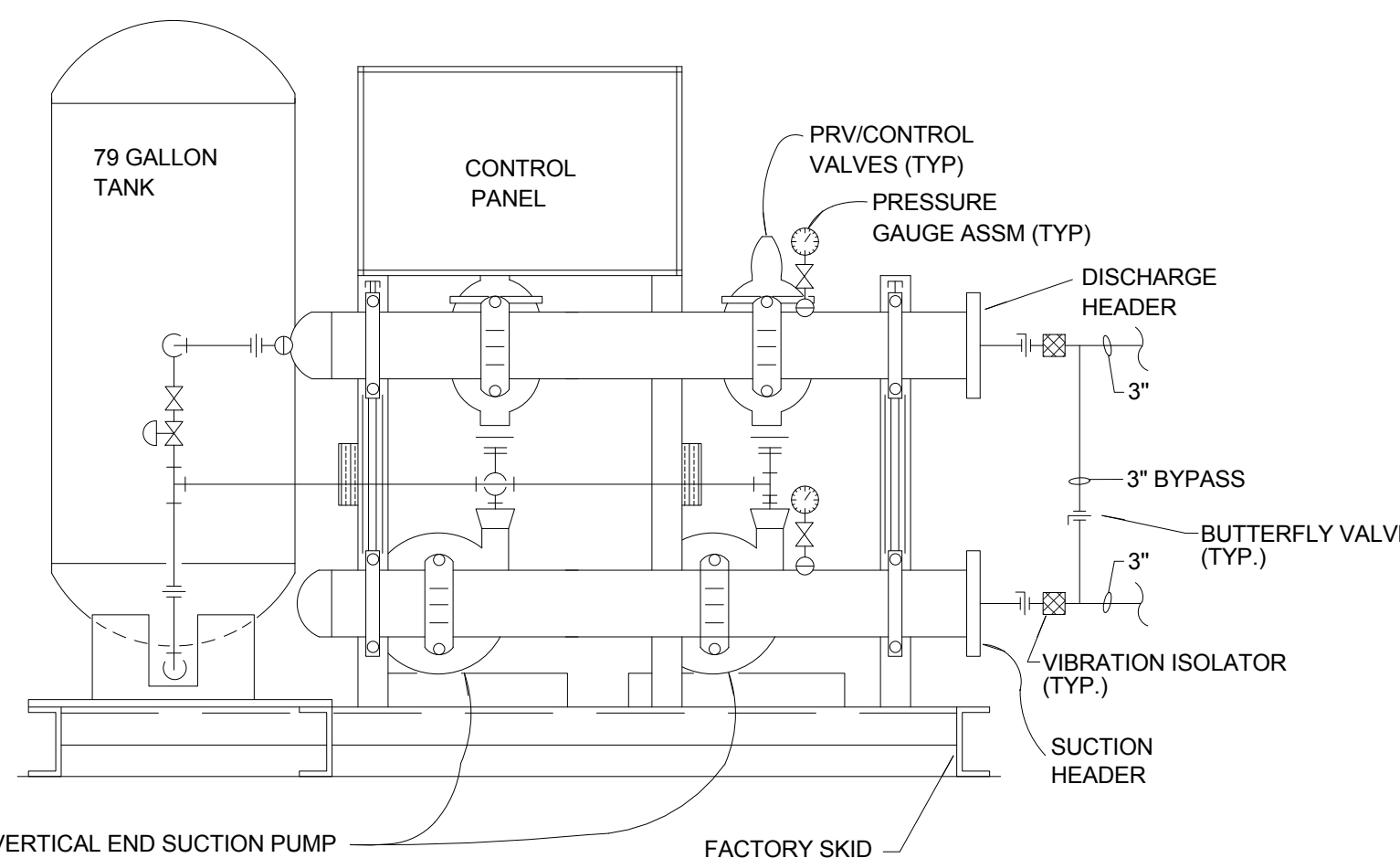
TYPICAL TRAP PRIMER PIPING DETAIL
NOT TO SCALE



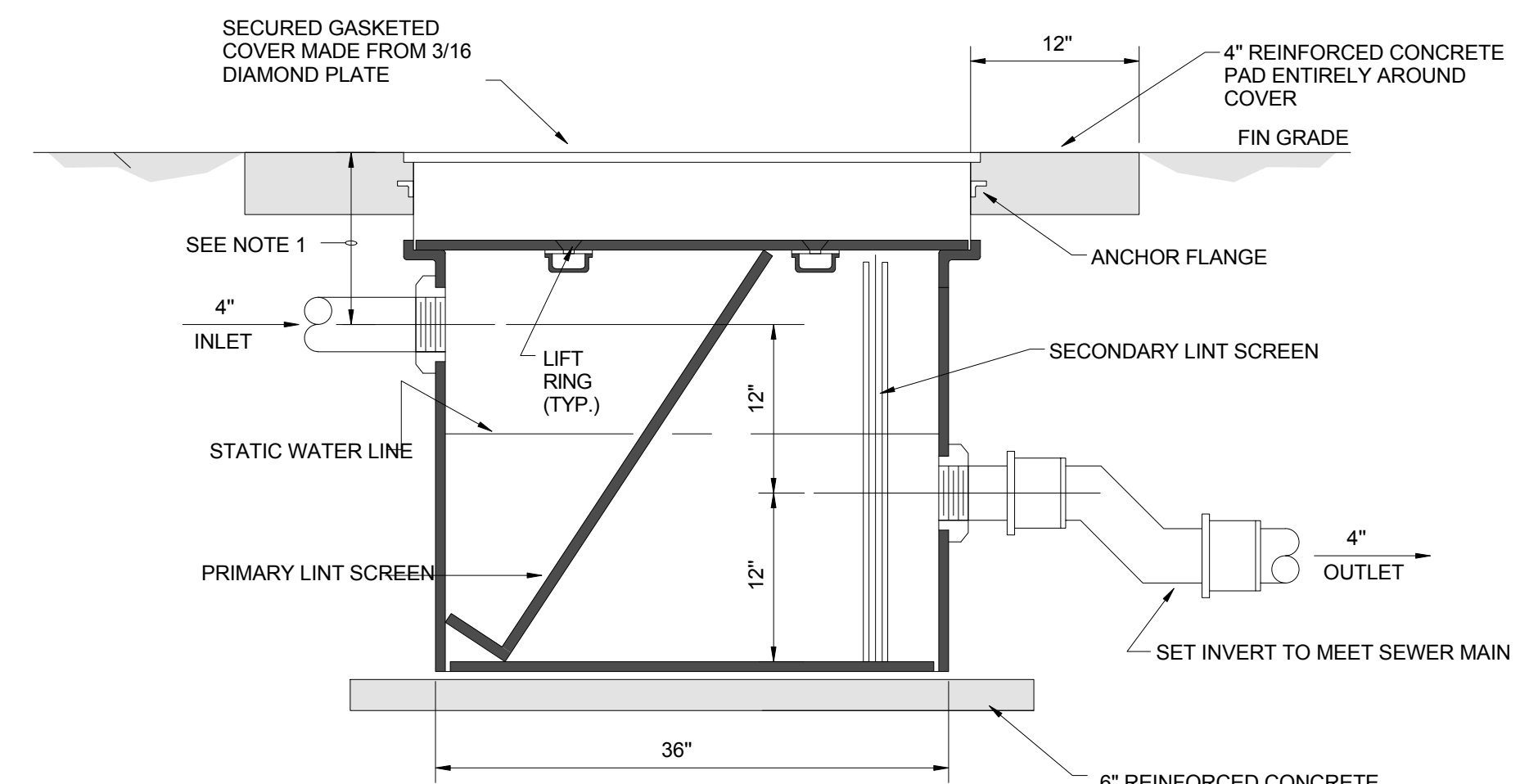
SWING JOINT DETAIL
NOT TO SCALE



PIPE HANGER UNDER SLAB DETAIL
NOT TO SCALE

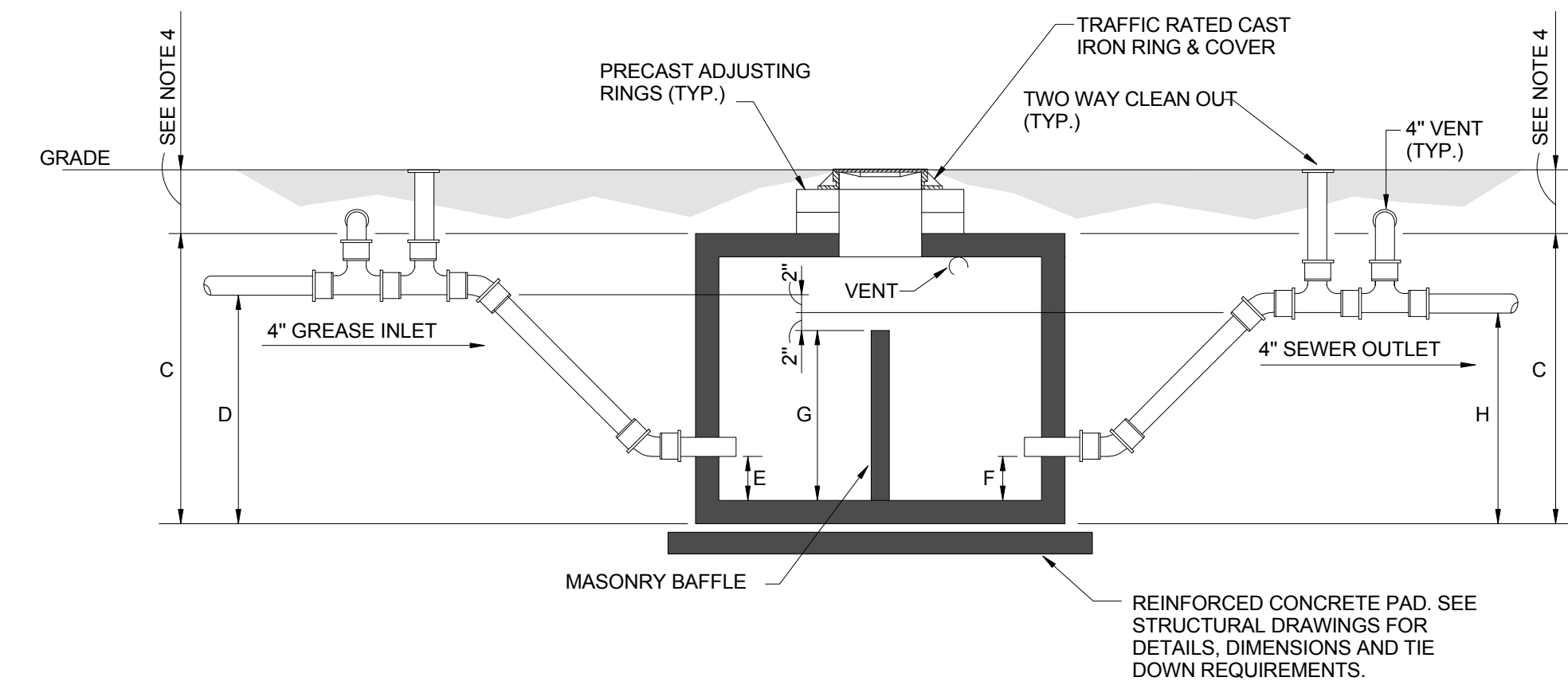


DOMESTIC WATER BOOSTER SYSTEM DETAIL
NO SCALE

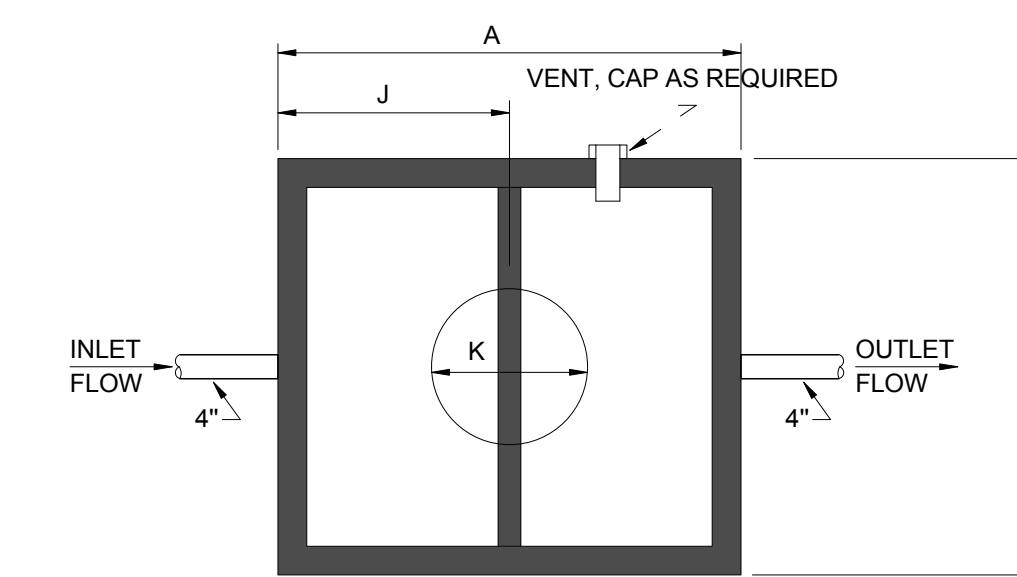


- NOTES:**
1. DIMENSION AS REQUIRED TO MEET INLET INVERT FROM BUILDING.
 2. UNIT SHALL BE J.R. SMITH MODEL 8910-25. SIZED FOR 25 GPM MAX FLOW, OR APPROVED EQUAL.

LINT INTERCEPTOR INSTALLATION DETAIL
NOT TO SCALE



SECTION

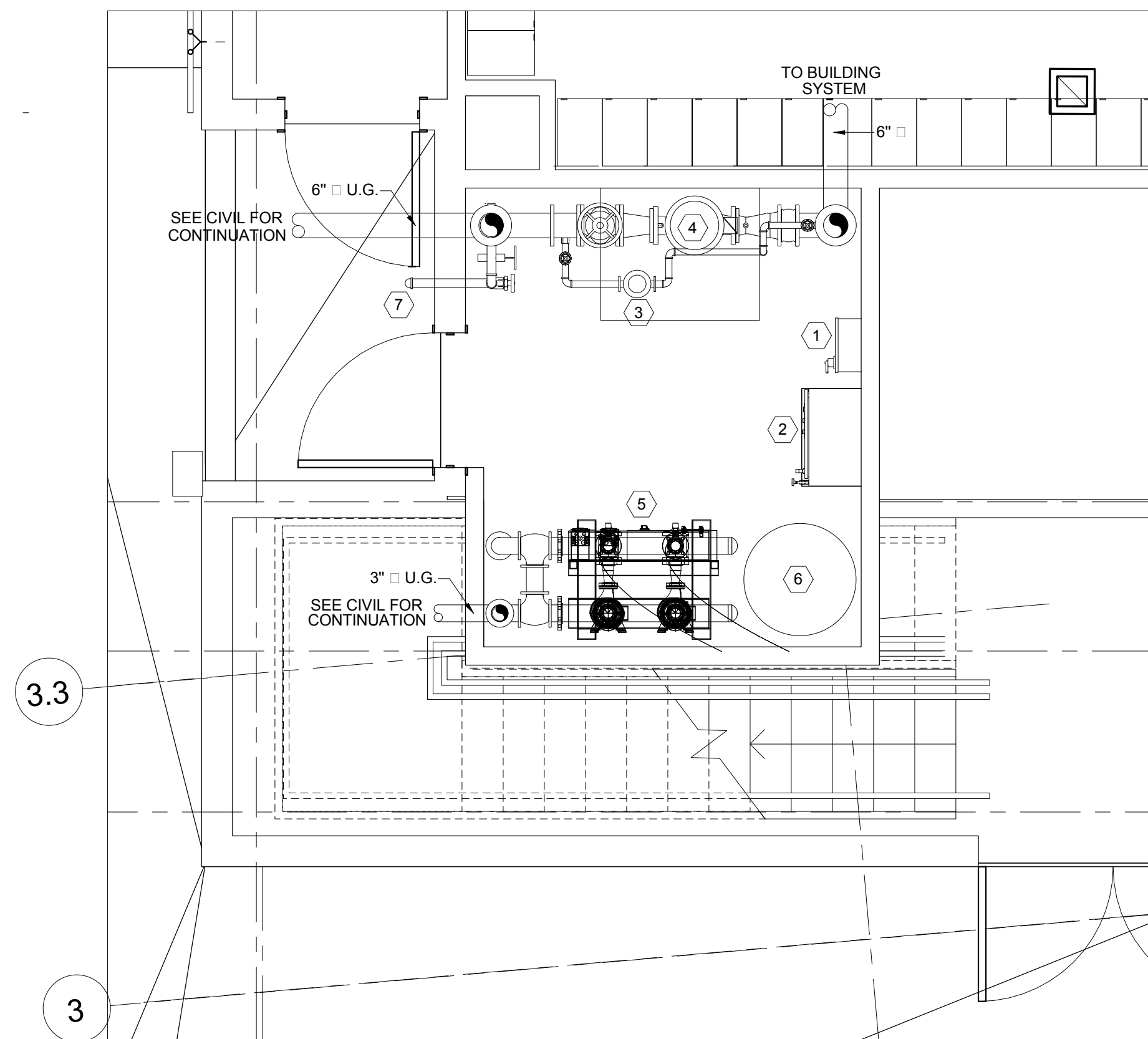


PLAN VIEW

CAPACITY	A	B	C	D	E	F	G	H	J	K
200 GAL	42"	39"	46"	36"	6"	6"	31"	33"	21"	24"

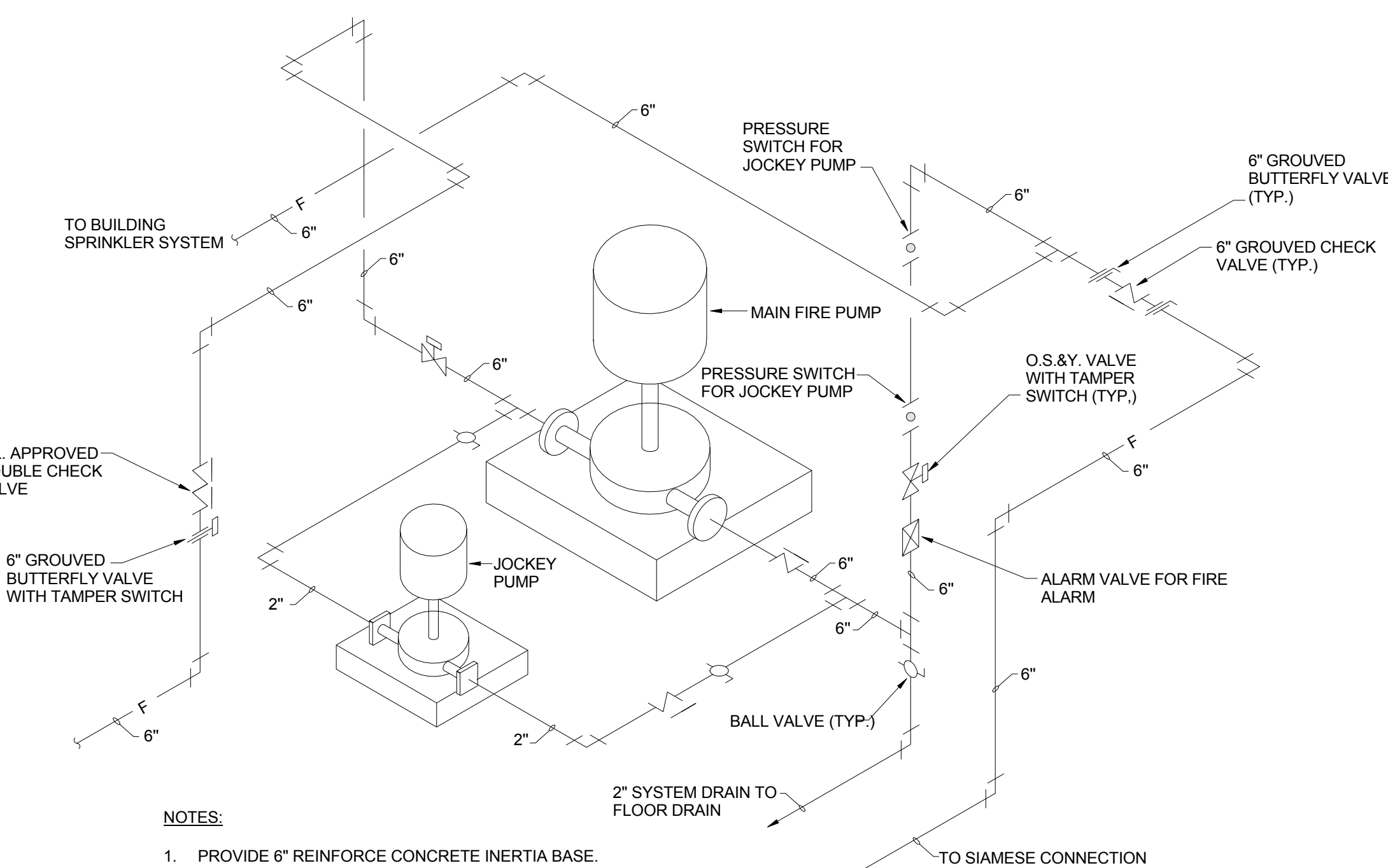
- NOTES:**
1. THE BOTTOM OF THE INLET PIPE SHALL BE NOT LESS THAN TWO (2) INCHES ABOVE THE BOTTOM OF OUTLET PIPE.
 2. THE BOTTOM OF THE OUTLET PIPE SHALL BE TWO (2) INCHES ABOVE THE TOP OF THE BAFFLE WALL.
 3. TRAP INDICATED ABOVE IS FOR REINFORCED CONCRETE CONSTRUCTION AS MANUFACTURED BY SCI PRECAST MODEL SCI GT 200T1, OR APPROVED EQUAL.
 4. EXACT DEPT OF TRAP SHALL BE DETERMINE BY INVERT OF INLET PIPE AS MANUFACTURED BY SCI PRECAST MODEL SCI GT 200T1, OR APPROVED EQUAL.
 5. SEE PLANS FOR ROUTING OF VENTS, INLET AND OUTLET PIPING.

200 GAL GREASE TRAP DETAIL
NOT TO SCALE



- GENERAL NOTES THIS SHEET:**
- A. ENLARGED LAYOUT SHOWN IS PROPOSED AND SCHEMATIC IN NATURE. CONTRACTOR TO LAYOUT ROOM AND PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL. CONTRACTOR TO PROVIDE ALL COMPONENTS FOR FIRE PUMP SYSTEM TO BE NFPA COMPLIANT. SEE DETAILS THIS SHEET AND SPECIFICATIONS.
- SPECIFIC NOTES THIS SHEET:**
1. JOCKEY PUMP CONTROLLER.
 2. FIRE PUMP CONTROLLER.
 3. JOCKEY PUMP.
 4. FIRE PUMP.
 5. DOMESTIC WATER BOOSTER PUMP.
 6. 79 GALLON TANK.
 7. SYSTEM DRAIN.

ENLARGED ROOM 113 LAYOUT
SCALE: 3/8"-1'-0"



- NOTES:**
1. PROVIDE 6" REINFORCE CONCRETE INERTIA BASE.
 2. FIRE PUMP INSTALLATION SHALL COMPLY WITH NFPA-20.
 3. SEE SPECIFICATIONS FOR FIRE AND JOCKEY PUMP SIZE.

FIRE PUMP SERVICE ENTRANCE DETAIL
NO SCALE

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SIZELER THOMPSON BROWN ARCHITECTS

300 LAFAYETTE STREET, SUITE 200
NEW ORLEANS, LOUISIANA 70130
(504) 523-6472 FAX (504) 529-1181

REVISIONS		
No.	DESCRIPTION	DATE

**JEFFERSON PARISH BUSINESS PARK:
SCIENCE AND TECHNOLOGY ACADEMY AND
CONFERENCE CENTER**
701 CHURCHILL PKWY., AVONDALE, LA

PLUMBING DETAILS

project number: 21161.00
drawing number: P302
date: 11-27-19
phase: 100% CD
NOVEMBER 27, 2019



1 FIRST FLOOR PLAN - LIGHTING
 E101 1/8" = 1'-0"

- GENERAL NOTES THIS SHEET:
- A. ALL RACEWAYS LESS THAN 70 FEET SHALL BE 1/2" C AND SHALL CONTAIN 2-#12 AWG AND 1-#12 GRD. 70 FEET TO 120 FEET SHALL BE 3/4" C AND SHALL CONTAIN 2-#10 AWG AND 1-#10 GRD. 120 FEET TO 200 FEET SHALL BE 1" C AND SHALL CONTAIN 2-#8 AWG AND 1-#8 GRD. UNLESS NOTED OTHERWISE.
 - B. HATCH LINES DO NOT INDICATE GROUND WIRE.
 - C. COORDINATE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.
 - D. CONNECT UNSWITCHED HOT LEGS TO EXIT SIGNS, EMERGENCY LIGHTS AND NIGHT LIGHTS IF APPLICABLE.
 - E. EMERGENCY AND EXIT FIXTURES SHALL NOT BE SWITCHED PER NFPA 101 AND ASHRAE 90.1.
 - F. ALL THEATRICAL LIGHTING AND WORK ASSOCIATED SHALL BE PROVIDED BY OWNER IN THE FUTURE. PROVIDE JUNCTION BOX, CONDUIT WITH PULL STRING FOR BASE BID. COORDINATE WITH ARCHITECT PRIOR TO START OF WORK.
- ALL FIXTURE F1 AND F1E SHALL BE MOUNTED AT 36" A.F.F. PROVIDING MOUNTING AND DIMMING AS REQUIRED. FIXTURE SHALL BE PART OF DIMMING SYSTEM. SEE EVENT CENTER DIMMING SYSTEM DETAIL SHEET E401 FOR ADDITIONAL ELECTRICAL REQUIREMENT.

- SPECIFIC NOTES THIS SHEET:
- 1 STAGE LIGHTING. SEE STAGE LIGHTING MOUNTING DETAIL ELECTRICAL SHEET E402 FOR ADDITIONAL ELECTRICAL REQUIREMENT.
 - 2 UNISON PRESET STATION. SEE EVENT CENTER DIMMING SYSTEM DETAIL SHEET E401 FOR ADDITIONAL ELECTRICAL REQUIREMENT.
 - 3 UP TO LIGHT FIXTURES ON 2ND FLOOR. SEE SHEET E102 FOR LIGHT FIXTURE LOCATION.
 - 4 HANG LIGHT FIXTURE 12" A.F.F. PROVIDE HANGING MOUNT AS REQUIRED.

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REVISIONS		
No.	DESCRIPTION	DATE

JEFFERSON PARISH BUSINESS PARK:
 SCIENCE AND TECHNOLOGY ACADEMY AND
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 701 CHURCHILL PKWY., AVONDALE, LA

FIRST FLOOR PLAN - LIGHTING

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project number	21161.00	drawing number	E101
date	11-27-19	phase	100% CD
NOVEMBER 27, 2019			

12/06/2019 10:41 AM



1
E102 SECOND FLOOR PLAN - LIGHTING
1/8" = 1'-0"

- GENERAL NOTES THIS SHEET:
- A. ALL RACEWAYS LESS THAN 70 FEET SHALL BE 1/2" C AND SHALL CONTAIN 2-#12 AWG AND 1-#12 GRD.; 70 FEET TO 120 FEET SHALL BE 3/4" C AND SHALL CONTAIN 2-#10 AWG AND 1-#10 GRD.; 120 FEET TO 200 FEET SHALL BE 1" C AND SHALL CONTAIN 2-#8 AWG AND 1-#8 GRD.; UNLESS NOTED OTHERWISE.
 - B. HATCH LINES DO NOT INDICATE GROUND WIRE.
 - C. COORDINATE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.
 - D. CONNECT UNSWITCHED HOT LEGS TO EXIT SIGNS, EMERGENCY LIGHTS AND NIGHT LIGHTS IF APPLICABLE.
 - E. EMERGENCY AND EXIT FIXTURES SHALL NOT BE SWITCHED PER NFPA 101 AND ASHRAE 90.1.
 - F. ALL THEATRICAL LIGHTING AND WORK ASSOCIATED SHALL BE PROVIDED BY OWNER IN THE FUTURE. PROVIDE JUNCTION BOX, CONDUIT WITH PULL STRING FOR BASE BID. COORDINATE WITH ARCHITECT PRIOR TO START OF WORK.
 - G. ALL FIXTURE F1 AND F1E SHALL BE MOUNTED AT 36" A.F.F. PROVIDING MOUNTING AND DIMMING AS REQUIRED. FIXTURE SHALL BE PART OF DIMMING SYSTEM. SEE EVENT CENTER DIMMING SYSTEM DETAIL SHEET E401 FOR ADDITIONAL ELECTRICAL REQUIREMENT.

- SPECIFIC NOTES THIS SHEET:
- ① CONNECT TO UNISON STATION LOCATED ON 1ST FLOOR. SEE SHEET E101 FOR UNISON LOCATION AND EVENT CENTER DIMMING DETAIL SHEET E401 FOR ADDITIONAL ELECTRICAL REQUIREMENT.
 - ② STAGE FIXTURE F12 LIGHTING SHALL BE PROVIDED UNDER BASE BID.
 - ③ CONNECT TO LIGHT SWITCH LOCATED ON 1ST FLOOR. SEE SHEET E101 FOR LIGHT SWITCH LOCATION.
 - ④ ALL LIGHTING FIXTURE CONNECTED TO THIS LIGHTING CIRCUIT SHALL BE PART OF THE DIMMING PANEL R1. LIGHTING FIXTURES SHALL BE COMPATIBLE WITH DIMMER PANEL AND BE FULLY FUNCTIONAL. SEE FEEDER DIAGRAM SHEET WITH FOR EVENT CENTER DIMMING SYSTEM DETAIL FOR ADDITIONAL ELECTRICAL REQUIREMENT.

SIZELER THOMPSON BROWN ARCHITECTS

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REVISIONS		
No.	DESCRIPTION	DATE

JEFFERSON PARISH BUSINESS PARK:
SCIENCE AND TECHNOLOGY ACADEMY AND
CONFERENCE CENTER
701 CHURCHILL PKWY., AVONDALE, LA

SECOND FLOOR PLAN - LIGHTING

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seal	project number	21161.00	drawing number
	date	11-27-19	E102
	phase	100% CD	
NOVEMBER 27, 2019			



1
E201

FIRST FLOOR PLAN - POWER
1/8" = 1'-0"

- GENERAL NOTES THIS SHEET:**
- A. ALL RACEWAYS LESS THAN 70 FEET SHALL BE 1/2" C AND SHALL CONTAIN 2-#12 AWG AND 1-#12 GRD.; 70 FEET TO 120 FEET SHALL BE 3/4" C AND SHALL CONTAIN 2-#10 AWG AND 1-#10 GRD.; 120 FEET TO 200 FEET SHALL BE 1" C AND SHALL CONTAIN 2-#8 AWG AND 1-#8 GRD.; UNLESS NOTED OTHERWISE.
 - B. HATCH LINES DO NOT INDICATE GROUND WIRE.
 - C. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS PRIOR TO INSTALLATION.
 - D. PROVIDE UNISTRUT FRAMING AS REQUIRED FOR MOUNTING OF DISCONNECT SWITCHES.
 - E. ALL ELECTRICAL SYSTEMS, EQUIPMENT AND COMPONENTS SHALL BE LOCATED AT OR ABOVE BASE FLOOD ELEVATION AS PER IBC.
- SPECIFIC NOTES THIS SHEET:**
1. RETRACTABLE BLEACHER POWER, 10.8A, 208V, 3 PHASE. PROVIDE 30A, 208V, 3P, NEMA-1 F.D.S., FUSE 20A. COORDINATE POWER/CONTROL REQUIREMENTS WITH MANUFACTURER PRIOR TO INSTALLATION. VERIFY EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT.
 2. ELECTRIC HAND DRYER: PROVIDE 20A, 120V TOGGLE DISCONNECT SWITCH AS REQUIRED. 1/2" C, 2-#10 AWG, 1-#10 GRD. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
 3. VAV: PROVIDE 120V, 20A, TOGGLE DISCONNECT SWITCH FOR SYSTEM CONTROL.
 4. AHU-1: 5HP, 460V, 3P, 1/2" C, 3-#12 AWG AND 1-#12 GRD. PROVIDE 30A, 480V, 3P, NEMA-1, F.D.S., FUSE 20A.
 5. GHW-1: 120V, 1P, 20A, PROVIDE 120V, 1P, TOGGLE DISCONNECT SWITCH.
 6. WASHER: 120V, 20A, 1P. VERIFY EXACT REQUIREMENTS WITH ARCHITECT PRIOR TO INSTALLATION.
 7. DRYER: 208V, 1P, 30A. PROVIDE 3/4" C, 2-#10 AWG AND 1-#10 GRD. VERIFY EXACT REQUIREMENTS WITH ARCHITECT PRIOR TO INSTALLATION.
 8. B-1: 1 1/2HP, 480V, 3P. PROVIDE 1/2" C, 3-#12 AWG AND 1-#12 GRD. PROVIDE 30A, 480V, 3P, NEMA-1, F.D.S. FUSE 20A.
 9. EUH-1: 3.3KW, 208V, 1P. PROVIDE 3/4" C, 2-#10 AWG AND 1-#10 GRD. PROVIDE 60A, 208V, 1P, NEMA-1, FUSE 35A.
 10. PUMP (PM-3) OR (PM-4): 7.5HP, 480V, 3P. PROVIDE 30A, 480V, 3P, NEMA-1, F.D.S., FUSE 20A. 1/2" C, 3-#10 AWG AND 1-#10 GRD.
 11. RECESSED FLUSHED FLOOR RECEPTACLE: VERIFY AND COORDINATE EXACT LOCATION WITH ARCHITECT.
 12. COUNTER HEIGHT OUTLET SHALL BE MOUNTED IN A HORIZONTAL DIRECTION. COORDINATE WITH ARCHITECT.
 13. SCORE BOARD CONTROLLER JUNCTION BOX: PROVIDE RECESSED FLOOR JUNCTION BOX WITH 1" CONDUIT WITH PULL STRING FROM THIS LOCATION TO SCORE BOARDS JUNCTION BOXES LOCATED ON 2ND FLOOR. SEE SHEET E202 FOR LOCATION.
 14. WATER FOUNTAIN JUNCTION: VERIFY LOCATION AND REQUIREMENT WITH MECHANICAL.
 15. RECESSED FLUSHED TV RECESSED OUTLET, MOUNT 56" A.F.F. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO START OF WORK.
 16. AC-1, 2 or 3: SEE DUCTLESS SPLIT DETAIL SHEET E401 FOR ADDITIONAL ELECTRICAL REQUIREMENT.
 17. EXHAUST FAN EF-5: 1/4 HP, 120V, 1P. PROVIDE 120V, 1P, TOGGLE DISCONNECT SWITCH.
 18. JUNCTION BOX FOR HEATING SYSTEM CONTROLS.
 19. FIRE ALARM PANEL JUNCTION BOX. COORDINATE WITH F/A CONTRACTOR FOR EXACT REQUIREMENTS.
 20. MECHANICAL TEMPERATURE CONTROL JUNCTION BOX.
 21. ICE MACHINE RECEPTACLE, VERIFY REQUIREMENT AND LOCATION WITH ARCHITECT.
 22. RECESSED FLUSHED TV CLOCK OUTLET, MOUNT 120" A.F.F. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO START OF WORK.
 23. RECESSED FLUSHED TV CLOCK OUTLET, MOUNT 132" A.F.F. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO START OF WORK.
 24. BUILDING SERVICE DISCONNECT, SEE ELECTRICAL SHEET E401 FOR ADDITIONAL REQUIREMENTS.
 25. ELECTRICAL SERVICE JUNCTION BOX, SEE ELECTRICAL SHEET E401 FOR ADDITION REQUIREMENTS.
 26. DOMESTIC BOOSTER PUMP 1 OR 2: 3HP, 480V, 3P. PROVIDE 30A, 480V, 3P, NEMA-1, F.D.S. FUSE 20A, 3/4" C, 3-#10 AWG, AND 1-#10 GRD.
 27. FIRE PUMP JUNCTION BOX: SEE FEEDER DIAGRAM ELECTRICAL SHEET E401 AND MECHANICAL DRAWING FOR ADDITIONAL REQUIREMENTS.
 28. JOCKEY PUMP: 5HP, 480V, 3P. PROVIDE 30A, 480V, 3P, NEMA-1, F.D.S. FUSE 20A, 3/4" C, 3-#10 AWG, AND 1-#10 GRD.
 29. RETRACTABLE BLEACHER CONTROLLER JUNCTION BOX. PROVIDE SINGLE GANG JUNCTION BOX, 1/2" CONDUIT WITH PULLSTRING, VERIFY EXACTION REQUIREMENT AND LOCATION WITH ARCHITECT.
 30. BLACKOUT SHADE CONTROLLER JUNCTION BOX: PROVIDE SINGLE GANG JUNCTION BOX, 1/2" C WITH PULLSTRING FROM THIS LOCATION TO BLACKOUT SHADE CONTROLLER JUNCTION BOX LOCATED ON 2ND FLOOR. SEE ELECTRICAL E202 FOR BLACKOUT SHADE CONTROLLER JUNCTION BOX.
 31. PROJECTOR SCREEN CONTROLLER JUNCTION BOX. PROVIDE JUNCTION BOX, 1" C WITH PULLSTRING FROM THIS LOCATION TO PROJECTOR SCREEN CONTROLLER JUNCTION BOX LOCATION ON 2ND FLOOR. SEE SHEET E202 FOR LOCATION. VERIFY LOCATION WITH ARCHITECT PRIOR TO START OF WORK.
 32. PROJECTOR CONTROLLER JUNCTION BOX. PROVIDE JUNCTION BOX, 1" C WITH PULLSTRING FROM THIS LOCATION TO PROJECTOR JUNCTION BOX FOR FUTURE OWNER PROVIDED SYSTEM.
 33. LIFT STATION: 3HP, 115V, 1P. PROVIDE 20A, 120V, 1P, TOGGLE DISCONNECT SWITCH. 1/2" C, 2-#10 AWG, AND 1-#10 GRD.

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REVISIONS		
No.	DESCRIPTION	DATE

**JEFFERSON PARISH BUSINESS PARK:
SCIENCE AND TECHNOLOGY ACADEMY AND
CONFERENCE CENTER**
701 CHURCHILL PKWY., AVONDALE, LA

FIRST FLOOR PLAN - POWER

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	project number	21161.00	<p>E201</p>
	date	11-27-19	
	phase	100% CD	
	NOVEMBER 27, 2019	100% CD	

UNAPPROVED



1
E202 SECOND FLOOR PLAN - POWER
1/8" = 1'-0"

- GENERAL NOTES THIS SHEET:**
- A. ALL RACEWAYS LESS THAN 70 FEET SHALL BE 1/2" C AND SHALL CONTAIN 2-#12 AWG AND 1-#12 GRD.; 70 FEET TO 120 FEET SHALL BE 3/4" C AND SHALL CONTAIN 2-#10 AWG AND 1-#10 GRD.; 120 FEET TO 200 FEET SHALL BE 1" C AND SHALL CONTAIN 2-#8 AWG AND 1-#8 GRD.; UNLESS NOTED OTHERWISE.
 - B. HATCH LINES DO NOT INDICATE GROUND WIRE.
 - C. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS PRIOR TO INSTALLATION.
 - D. PROVIDE UNISTRUT FRAMING AS REQUIRED FOR MOUNTING OF DISCONNECT SWITCHES.
 - E. ALL ELECTRICAL SYSTEMS, EQUIPMENT AND COMPONENTS SHALL BE LOCATED AT OR ABOVE BASE FLOOD ELEVATION AS PER IBC.
- SPECIFIC NOTES THIS SHEET:**
- 1. JUNCTION BOX FOR CLERESTORY BLACKOUT SHADES. PROVIDE 20A, 120V TOGGLE DISCONNECT SWITCH AS REQUIRED. VERIFY EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT. COORDINATE CONTROL WIRING WITH SHADE INSTALLER. PROVIDE CONDUITS AND WIRING AS REQUIRED FOR COMPLETE INSTALL. SEE ELECTRICAL SHEET E201 FOR LOCATION OF CONTROL JUNCTION BOX.
 - 2. AHU-3A OR 3B: 10 HP, 480V, 3P, 3-#10 AWG, AND 1-#10 GRD. PROVIDE 30A, 480V, 3P, NEMA-3R, F.D.S. FUSE 20A.
 - 3. JUNCTION BOX FOR FUTURE SCORE BOARD: 120V, 1P, 20A VERIFY MOUNTING HEIGHT, LOCATION AND REQUIREMENTS WITH ARCHITECT PRIOR TO START OF WORK.
 - 4. SCORE BOARD CONTROLLER JUNCTION BOX: PROVIDE JUNCTION BOX WITH 1" CONDUIT WITH PULL STRING FROM SCORE BOARDS JUNCTION BOX TO FIRST FLOOR CONTROLLER FLOOR JUNCTION BOX LOCATED ON 1ST FLOOR. SEE SHEET E201 FOR LOCATION.
 - 5. BLACKOUT SHADE CONTROLLER JUNCTION BOX: PROVIDE SINGLE GANG JUNCTION BOX, 1/2" WITH PULLSTRING FROM THIS LOCATION AND CONNECT TO ADJACENT BLACKOUT SHADE CONTROLLER JUNCTION BOX INTO BLACKOUT SHADE CONTROLLER JUNCTION BOX LOCATED ON 1ST FLOOR. SEE ELECTRICAL E201 FOR BLACKOUT SHADE CONTROLLER JUNCTION BOX.
 - 6. PROJECTOR SCREEN CONTROLLER JUNCTION BOX: PROVIDE JUNCTION BOX, 1" WITH PULLSTRING FROM THIS LOCATION TO PROJECTOR SCREEN CONTROLLER JUNCTION BOX LOCATED ON 1ST FLOOR SEE SHEET E201 FOR LOCATION AND ANOTHER 1" WITH PULLSTRING TO WALL RACK JUNCTION BOX LOCATED IN SOUND ROOM 119. MOUNT PROJECTOR SCREEN CONTROLLER JUNCTION BOX AT 25' A.F.F. VERIFY LOCATION WITH ARCHITECT PRIOR TO START OF WORK.
 - 7. PROJECTOR SCREEN JUNCTION BOX: PROVIDE JUNCTION BOX, 1" WITH PULLSTRING FROM THIS LOCATION TO ELECTRICAL ROOM 112 FOR FUTURE SYSTEM PROVIDED BY OWNER. MOUNT PROJECTOR SCREEN JUNCTION BOX AT 25' A.F.F. VERIFY LOCATION WITH ARCHITECT PRIOR TO START OF WORK.

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REVISIONS		
No.	DESCRIPTION	DATE

**JEFFERSON PARISH BUSINESS PARK:
SCIENCE AND TECHNOLOGY ACADEMY AND
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SECOND FLOOR PLAN - POWER

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seal	project number	drawing number
	21161.00	E202
date	11-27-19	
phase	100% CD	
NOVEMBER 27, 2019		

11/20/19 11:58 AM



1
E203
LOWER ROOF PLAN - ELECTRICAL
1/8" = 1'-0"

- GENERAL NOTES THIS SHEET:**
- A. ALL RACEWAYS LESS THAN 70 FEET SHALL BE 1/2" C AND SHALL CONTAIN 2-#12 AWG AND 1-#12 GRD.; 70 FEET TO 120 FEET SHALL BE 3/4" C AND SHALL CONTAIN 2-#10 AWG AND 1-#10 GRD.; 120 FEET TO 200 FEET SHALL BE 1" C AND SHALL CONTAIN 2-#8 AWG AND 1-#8 GRD., UNLESS NOTED OTHERWISE.
 - B. HATCH LINES DO NOT INDICATE GROUND WIRE.
 - C. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS PRIOR TO INSTALLATION.
 - D. PROVIDE UNISTRUT FRAMING AS REQUIRED FOR MOUNTING OF DISCONNECT SWITCHES.

- SPECIFIC NOTES THIS SHEET:**
- ① EXHAUST FAN: PROVIDE 30A, 120V, 1P, NEMA-3R, F.D.S. 20A. VERIFY EXACT REQUIREMENTS AND LOCATION WITH MECHANICAL PRIOR TO INSTALLATION.
 - ② CU-1, 2, OR 3: SEE DUCTLESS SPLIT DETAIL SHEET E401 FOR ADDITIONAL ELECTRICAL REQUIREMENT.
 - ③ EF-6: 1/6HP, 120V, 1P. PROVIDE 30A, 120V, 1P, NEMA-3R, F.D.S. FUSE 20A. VERIFY EXACT LOCATION WITH MECHANICAL.

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SIZELER THOMPSON BROWN ARCHITECTS
 300 LAFAYETTE STREET, SUITE 200
 NEW ORLEANS, LOUISIANA 70130
 (504) 523-6472 FAX (504) 529-1181

REVISIONS		
No.	DESCRIPTION	DATE

JEFFERSON PARISH BUSINESS PARK:
 SCIENCE AND TECHNOLOGY ACADEMY AND
 CONFERENCE CENTER
 701 CHURCHILL PKWY., AVONDALE, LA

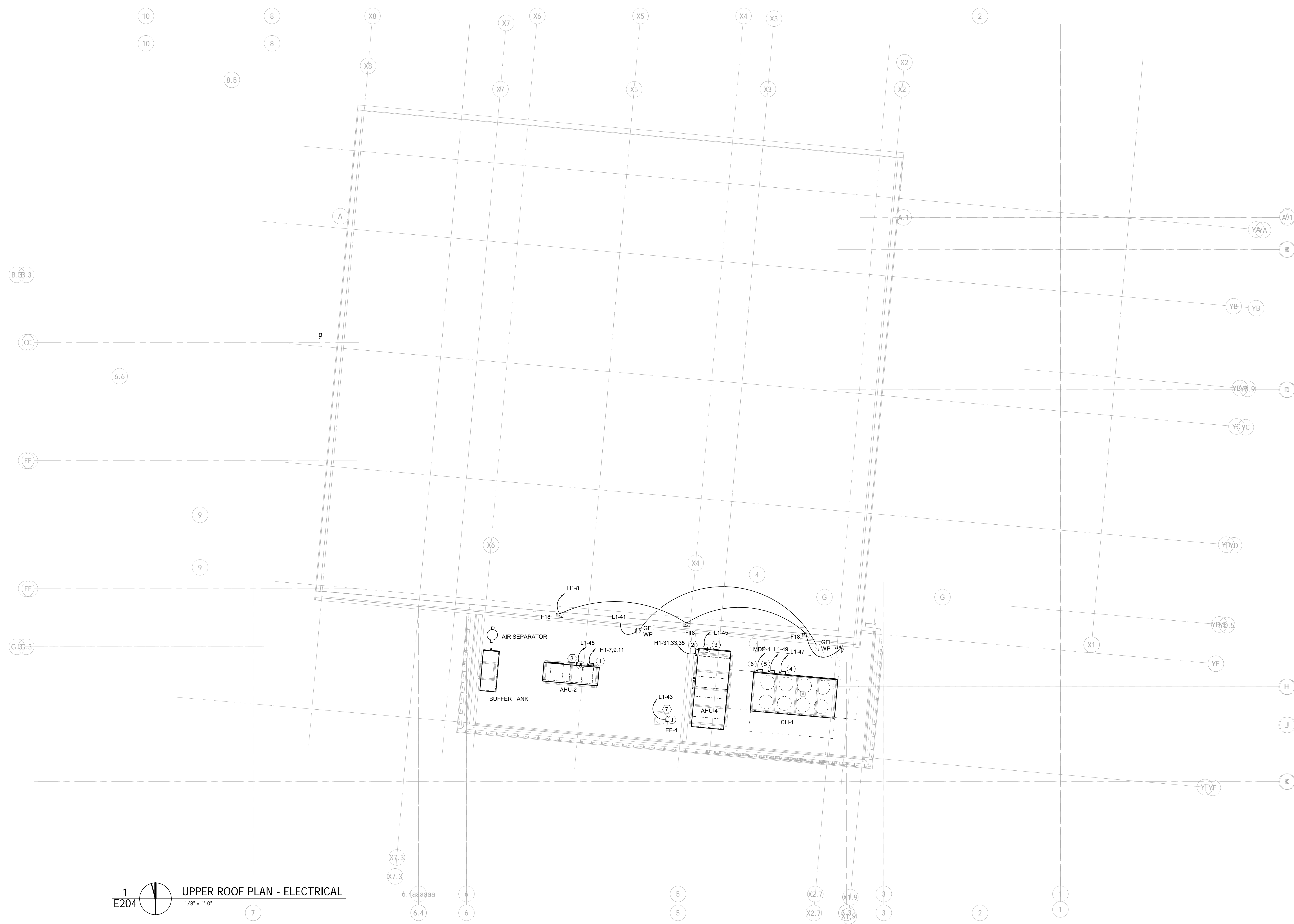
LOWER ROOF PLAN - ELECTRICAL

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seal	project number	drawing number
	21161.00	E203
date	11-27-19	phase
NOVEMBER 27, 2019	100% CD	

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E204

 UPPER ROOF PLAN - ELECTRICAL
1/8" = 1'-0"

GENERAL NOTES THIS SHEET:

- ALL RACEWAYS LESS THAN 70 FEET SHALL BE 1/2" C AND SHALL CONTAIN 2-#12 AWG AND 1-#12 GRD.; 70 FEET TO 120 FEET SHALL BE 3/4" C AND SHALL CONTAIN 2-#10 AWG AND 1-#10 GRD.; 120 FEET TO 200 FEET SHALL BE 1" C AND SHALL CONTAIN 2-#6 AWG AND 1-#8 GRD.; UNLESS NOTED OTHERWISE.
- HATCH LINES DO NOT INDICATE GROUND WIRE.
- COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS PRIOR TO INSTALLATION.
- PROVIDE UNISTRUT FRAMING AS REQUIRED FOR MOUNTING OF DISCONNECT SWITCHES.
- ALL ELECTRICAL SYSTEMS, EQUIPMENT AND COMPONENTS SHALL BE LOCATED AT OR ABOVE BASE FLOOD ELEVATION AS PER IBC.

SPECIFIC NOTES THIS SHEET:

- AHU-2: 3 HP, 480V, 3P, 3/4" C, 3-#10 AWG, AND 1-#10 GRD. PROVIDE 30A, 480V, 3P, NEMA-3R, F. D. S. FUSE 20A.
- AHU-4: 7 1/2 HP, 480V, 3P, 3/4" C, 3-#10 AWG, AND 1-#10 GRD. PROVIDE 30A, 480V, 3P, NEMA-3R, F. D. S. FUSE 20A.
- WEATHER PROOF JUNCTION BOX FOR AHU CONTROL.
- CHILLER CONTROLS: 120V, 20A, 1P, NEMA-3R F. D. S. FUSE 20A.
- CHILLER HEATER CABLES: 120V, 20A, 1P, NEMA-3R F. D. S. FUSE 20A.
- CHILLER INTEGRAL DISCONNECT SWITCH: FLA 282, 480V, 3P. PROVIDE 400A, 480V, 3P, NEMA-3R, F. D. S. FUSE 350A. 3 1/2" C, 3-500 KCMIL AND 1-#1/0 GRD.
- EXHAUST FAN ON ROOF: PROVIDE 30A, 120V, 1P, NEMA-3R, F. D. S. FUSE 20A. VERIFY EXACT REQUIREMENTS AND LOCATION WITH MECHANICAL PRIOR TO INSTALLATION.

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UPPER ROOF PLAN - ELECTRICAL

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	project number	21161.00	drawing number	E204	
	date	11-27-19	phase		100% CD
	NOVEMBER 27, 2019				

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E301



FIRST FLOOR PLAN - SPECIAL SYSTEMS
1/8" = 1'-0"

- GENERAL NOTES THIS SHEET:
- SEE SHEET E402 FOR TELE/DATA/CATV OUTLET DETAILS.
 - PROVIDE DUCT DETECTOR FOR BOTH SUPPLY AND RETURN DUCTS TO ALL AIR HANDLING UNITS OVER 2000CFM.
 - SEE SPECIFICATIONS FOR ALL SPECIAL SYSTEMS REQUIREMENTS.
 - PROVIDE 3/4" CONDUIT WITH PULLSTRING AND BACKBOXES FROM ALL AV EQUIPMENT LOCATIONS TO CLOSET 119 CEILING SPACE UNDER BASE BID. ALL AV EQUIPMENT LISTED ON AV SYSTEM EQUIPMENT SCHEDULE AND ALL CABLING FOR CONNECTIVITY OF AV SYSTEM SHALL PROVIDED BY OWNER IN THE FUTURE.

- SPECIFIC NOTES THIS SHEET:
- ROUTE 4" CONDUIT WITH PULLSTRING FROM 12"x12" WALL MOUNTED JUNCTION BOX THIS AREA TO MAIN I.T./SERVER ROOM IN EXISTING BUILDING. VERIFY ROUTING IN FIELD, ME101 FOR ADDITIONAL REQUIREMENT.
 - INTERCOM (IN CONTRACT), SECURITY PANEL (IN CONTRACT) AND I.T. RACK (NOT IN CONTRACT) LOCATIONS. ALL C DEVICES SHOWN FOR SPACE RESERVATION ONLY. UNDER THIS CONTRACT (STUB FUTURE CONDUIT 12" ABOVE FINISHED FLOOR):
 - ROUTE (1) 2" C WITH PULLWIRE FROM INTERCOM PANEL TO EXISTING CAMPUS SERVER ROOM. SEE SITE PLAN ME101 FOR APPROXIMATE LOCATION; VERIFY EXACT LOCATION ON SITE. PROVIDE INTERCOM SYSTEM PER LAYOUT AND SPECIFICATIONS.
 - ROUTE (1) 2" C WITH PULLWIRE FROM THIS ROOM TO EXISTING CAMPUS SERVER ROOM. SEE SITE PLAN ME101 FOR APPROXIMATE LOCATION; VERIFY EXACT LOCATION ON SITE.
 - ROUTE (1) 2" C AND (1) 4" C WITH PULLWIRE FOR SPARE AND TV FIBER RESPECTIVELY. ROUTE TO EXISTING CAMPUS SERVER ROOM. SEE SITE PLAN ME101 FOR APPROXIMATE LOCATION OF EXISTING CAMPUS SERVER ROOM; VERIFY EXACT LOCATION ON SITE.
 - PROVIDE 4"x4" JUNCTION BOX WITH 1" C AND PULLSTRING FROM THIS LOCATION TO JUNCTION BOX ON 2ND FLOOR. SEE SHEET E302 FOR LOCATION.
 - NEW FACP / VOICE EVAC PANEL. ROUTE (1) 2" C WITH PULLWIRE FROM FA/VE PANEL TO EXISTING MAIN CAMPUS FACP. SEE SITE PLAN ME101 FOR APPROXIMATE LOCATION OF CONDUIT ROUTING. VERIFY EXACT LOCATION ON SITE. COORDINATE LOCATION OF POWER SUPPLY WITH OTHER TRADES. COORDINATE LOCATION OF FACP WITH ELECTRICAL FOR CLEARANCES OF ELECTRICAL PANELS BOARDS AND EQUIPMENT.
 - 3/4" x LENGTH OF WALL X HEIGHT OF WALL PLYWOOD, PAINTED ON EACH SIDE WITH TWO(2) COATS OF FIRE RETARDANT PAINT. PROVIDE ERTECH TGM #6 GRD.
 - PROVIDE 2-4" C WITH PULLSTRING TO COMMUNICATION PULLBOX FOR TELEPHONE/DATA/CATV TO CONNECT WITH EXISTING BUILDING. CAP UNUSED CONDUITS 12" A.F.F. SEE SHEET ME101 FOR ADDITIONAL ELECTRICAL REQUIREMENT.
 - PROJECTOR 1" C WITH FIBER OPTIC MULTI MODE 3 STRAND BACK TO MAIN IDF IN PATRICK TAYLOR. SEE ME101 FOR ADDITIONAL REQUIREMENT.
 - PROVIDE JUNCTION BOX, 1" C WITH PULLSTRING FROM THIS LOCATION TO SOUND ROOM 119.
 - PROVIDE 2-3" C WITH PULLSTRING FROM IT 140 TO IT 141, CAP CONDUITS 12" A.F.F.
 - PROVIDE 2-3" C WITH PULLSTRING FROM IT 141 TO IT 140, CAP CONDUITS 12" A.F.F. VERIFY AND COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO START OF WORK.
 - PROVIDE 2-3" C WITH PULLSTRING FROM IT 140 TO EVENTS CENTER 111, CAP CONDUITS 12" A.F.F. VERIFY AND COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO START OF WORK.
 - PROVIDE 2-3" C WITH PULLSTRING FROM EVENTS CENTER 111 TO IT 140, CAP CONDUITS 12" A.F.F. VERIFY AND COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO START OF WORK.
 - PROVIDE 2-3" C WITH PULLSTRING FROM EVENTS CENTER 111 TO IT 141, CAP CONDUITS 12" A.F.F. VERIFY AND COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO START OF WORK.
 - PROVIDE 2" x 24" x 1/2" PREDRILLED AND TAP GROUND BUS BAR WITH EXOTHERMAL WELD #10 COPPER GROUND LOOP TO PREDRILLED AND TAP GROUND BUS BAR, SEE FEEDER DIAGRAM SHEET E401 FOR ADDITIONAL ELECTRICAL REQUIREMENTS.
 - PROVIDE SINGLE GANG JUNCTION BOX FOR MAIN SPEAKERS, 1/2" C WITH PULLSTRING FROM THIS LOCATION TO AV JUNCTION LOCATED IN SOUND ROOM 119.

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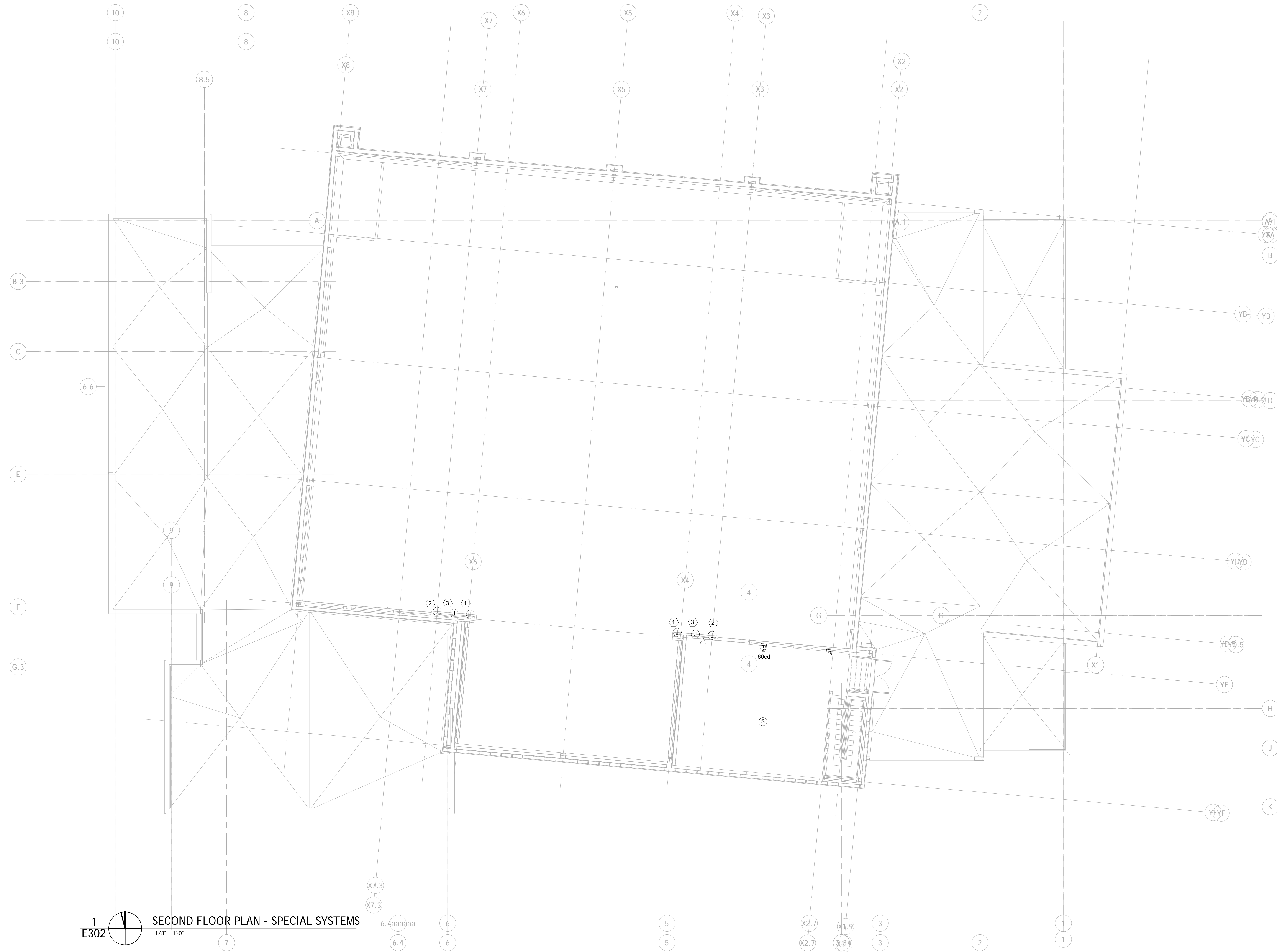
FIRST FLOOR PLAN - SPECIAL SYSTEMS

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	project number	21161.00	drawing number	<p>E301</p>
	date	11-27-19	phase	
	phase	100% CD		
	NOVEMBER 27, 2019	100% CD		

11/20/11 11:41 AM



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E302 SECOND FLOOR PLAN - SPECIAL SYSTEMS
1/8" = 1'-0"

GENERAL NOTES THIS SHEET:

- A. SEE SHEET E401 FOR TELE/DATA/CATV OUTLET DETAILS.
- B. PROVIDE DUCT DETECTOR FOR BOTH SUPPLY AND RETURN DUCTS TO ALL AIR HANDLING UNITS OVER 2000CFM.
- C. SEE SPECIFICATIONS FOR ALL SPECIAL SYSTEMS REQUIREMENTS.

SPECIFIC NOTES THIS SHEET:

1. PROVIDE SINGLE GANG JUNCTION BOX MOUNTED 25" A.F.F., 1" WITH PULLSTRING FROM THIS LOCATION TO WALL RACK JUNCTION LOCATED IN SOUND ROOM 119.
2. PROVIDE SINGLE GANG JUNCTION BOX MOUNTED 25" A.F.F. FOR ANTENNA, 1" WITH PULLSTRING FROM THIS LOCATION TO WALL RACK JUNCTION LOCATED IN SOUND ROOM 119 FOR ANT.
3. PROVIDE SINGLE GANG JUNCTION BOX MOUNTED 25" A.F.F. FOR SPEAKERS, 1/2" WITH PULLSTRING FROM THIS LOCATION TO WALL RACK JUNCTION LOCATED IN SOUND ROOM 119.

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SECOND FLOOR PLAN - SPECIAL SYSTEMS

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	project number	21161.00	drawing number	E302	
	date	11-27-19	phase		100% CD
	NOVEMBER 27, 2019				

Table with columns: PANEL, H1, LOCATION, T12, MOUNTING, SURFACE, VOLTAGE, PHASE, WIRE, BUS AMPS, MAIN OVERCURRENT DEVICE TYPE, MAIN OVERCURRENT AMPS, REMARKS, CIRCUIT NAME, BREAKER, LOAD, USE, PH, USE, LOAD, BREAKER, CIRCUIT NAME, CT, NO. Includes load summary table at the bottom.

Table with columns: PANEL, L1, LOCATION, ELECTRICAL RM 112, MOUNTING, SURFACE, VOLTAGE, PHASE, WIRE, BUS AMPS, MAIN OVERCURRENT DEVICE TYPE, MAIN OVERCURRENT AMPS, REMARKS, CIRCUIT NAME, BREAKER, LOAD, USE, PH, USE, LOAD, BREAKER, CIRCUIT NAME, CT, NO. Includes load summary table at the bottom.

Table with columns: PANEL, L2, LOCATION, IT ROOM 140, MOUNTING, RECESSED, VOLTAGE, PHASE, WIRE, BUS AMPS, MAIN OVERCURRENT DEVICE TYPE, MAIN OVERCURRENT AMPS, REMARKS, CIRCUIT NAME, BREAKER, LOAD, USE, PH, USE, LOAD, BREAKER, CIRCUIT NAME, CT, NO. Includes load summary table at the bottom.

Table with columns: PANEL, S1, LOCATION, CLOSET 119, MOUNTING, SURFACE, VOLTAGE, PHASE, WIRE, BUS AMPS, MAIN OVERCURRENT DEVICE TYPE, MAIN OVERCURRENT AMPS, REMARKS, CIRCUIT NAME, BREAKER, LOAD, USE, PH, USE, LOAD, BREAKER, CIRCUIT NAME, CT, NO. Includes load summary table at the bottom.

Table with columns: PANEL, S2, LOCATION, CLOSET 119, MOUNTING, SURFACE, VOLTAGE, PHASE, WIRE, BUS AMPS, MAIN OVERCURRENT DEVICE TYPE, MAIN OVERCURRENT AMPS, REMARKS, CIRCUIT NAME, BREAKER, LOAD, USE, PH, USE, LOAD, BREAKER, CIRCUIT NAME, CT, NO. Includes load summary table at the bottom.

Table with columns: PANEL, L3, LOCATION, IT ROOM 141, MOUNTING, RECESSED, VOLTAGE, PHASE, WIRE, BUS AMPS, MAIN OVERCURRENT DEVICE TYPE, MAIN OVERCURRENT AMPS, REMARKS, CIRCUIT NAME, BREAKER, LOAD, USE, PH, USE, LOAD, BREAKER, CIRCUIT NAME, CT, NO. Includes load summary table at the bottom.

PROJECT: PATRICK TAYLOR. NAME: MDP. AIC: 12139. VOLTAGE: 480. ENCLOSURE: NEMA 1. PHASE: 3. MOUNTING: SURFACE. WIRE: 3. LOCATION: ELECTRICAL ROOM. BUS: 600. MAIN: MCB. OPTIONS: . REMARK: 100% FULLY RATED GFI PROTECTED MCB. CIRCUIT LABEL, CONN, DEMAND, POLES, TRIP.

RELAY PANEL R1: 277/480V, 225A, 3PH. ETC ECHO RELAY PANEL. PANEL R1. TABLE with columns: EVENT CENTER, RELAY #, WATT, BRKER SIZE. TOTAL W: 25600.

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REVISIONS table with columns: No., DESCRIPTION, DATE.

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ELECTRICAL PANEL SCHEDULES

Project number: 21161.00. date: 11-27-19. phase: 100% CD. drawing number: E403. seal: SIZELER THOMPSON BROWN ARCHITECTS. NOVEMBER 27, 2019.

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