

Project

AEROJET ROCKETDYNE
A17 CONTROL BUILDING
EAST CAMDEN,
ARKANSAS

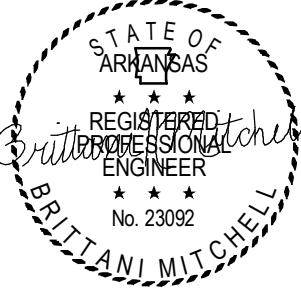
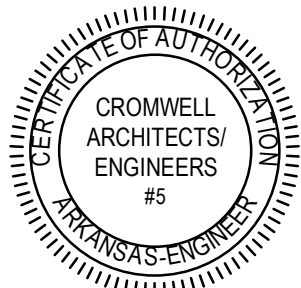
Design Phase

CONSTRUCTION
DOCUMENTS

Revisions

No.	Date	Description

Stamp



02-20-2025

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2024-210

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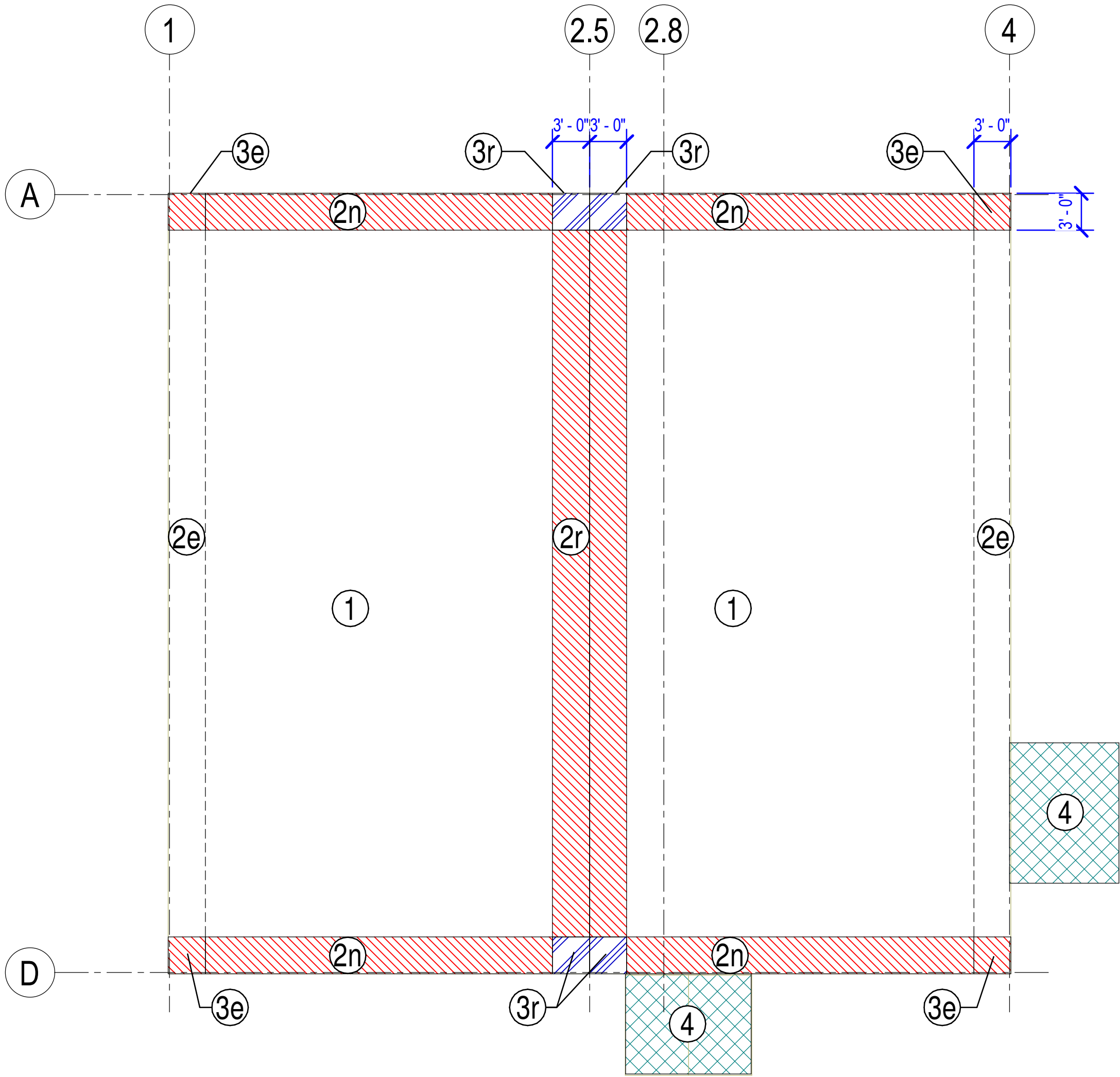
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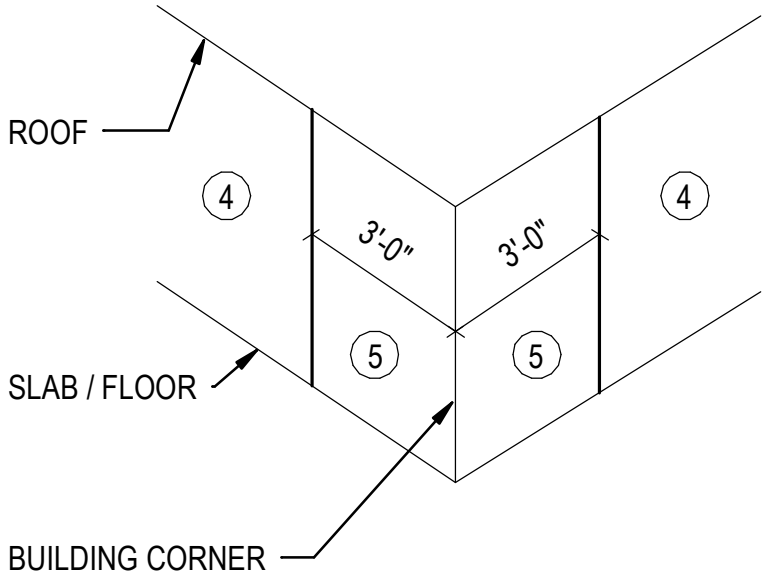
COMPONENTS AND
CLADDING WIND
PRESSURES

Sheet Number

S-002



1 COMPONENTS AND CLADDING ROOF WIND PRESSURES PLAN
1/8" = 1'-0"



ZONE	TRIBUTARY AREA (SQ. FT.)		
	10	50	100
4	-24/+22 PSF	-22/+20 PSF	-21/+19 PSF
5	-29/+22 PSF	-25/+20 PSF	-23/+19 PSF

COMPONENTS AND CLADDING WALL WIND PRESSURES

NOTES:

- BASIC DESIGN WIND SPEED: 104 MPH
- NOMINAL WIND SPEED: 81 MPH
- WIND PRESSURES ARE BASED ON ASCE 7-16 STRENGTH DESIGN (ULTIMATE).
- POSITIVE / NEGATIVE VALUES INDICATE FORCES ARE ACTING TOWARDS / AWAY FROM ELEMENT, RESPECTIVELY.
- SERVICE LEVEL LOADS MAY BE CALCULATED BY MULTIPLYING THE NUMBERS ABOVE BY 0.6.

GROSS WIND UPLIFT
(STRENGTH DESIGN)

ZONE	TRIBUTARY AREA (SQ. FT.)		
	10	50	100
1 & 2e	-44/+16 PSF	-27/+16 PSF	-17/+16 PSF
2n, 2r & 3e	-64/+16 PSF	-44/+16 PSF	-35/+16 PSF
3r	-76/+16 PSF	-51/+16 PSF	-40/+16 PSF
4	-64/+16 PSF	-47/+16 PSF	-39/+16 PSF

COMPONENTS AND CLADDING ROOF WIND PRESSURES

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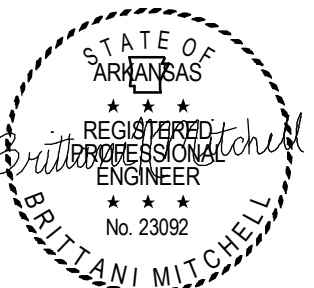
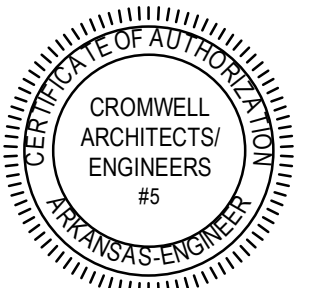
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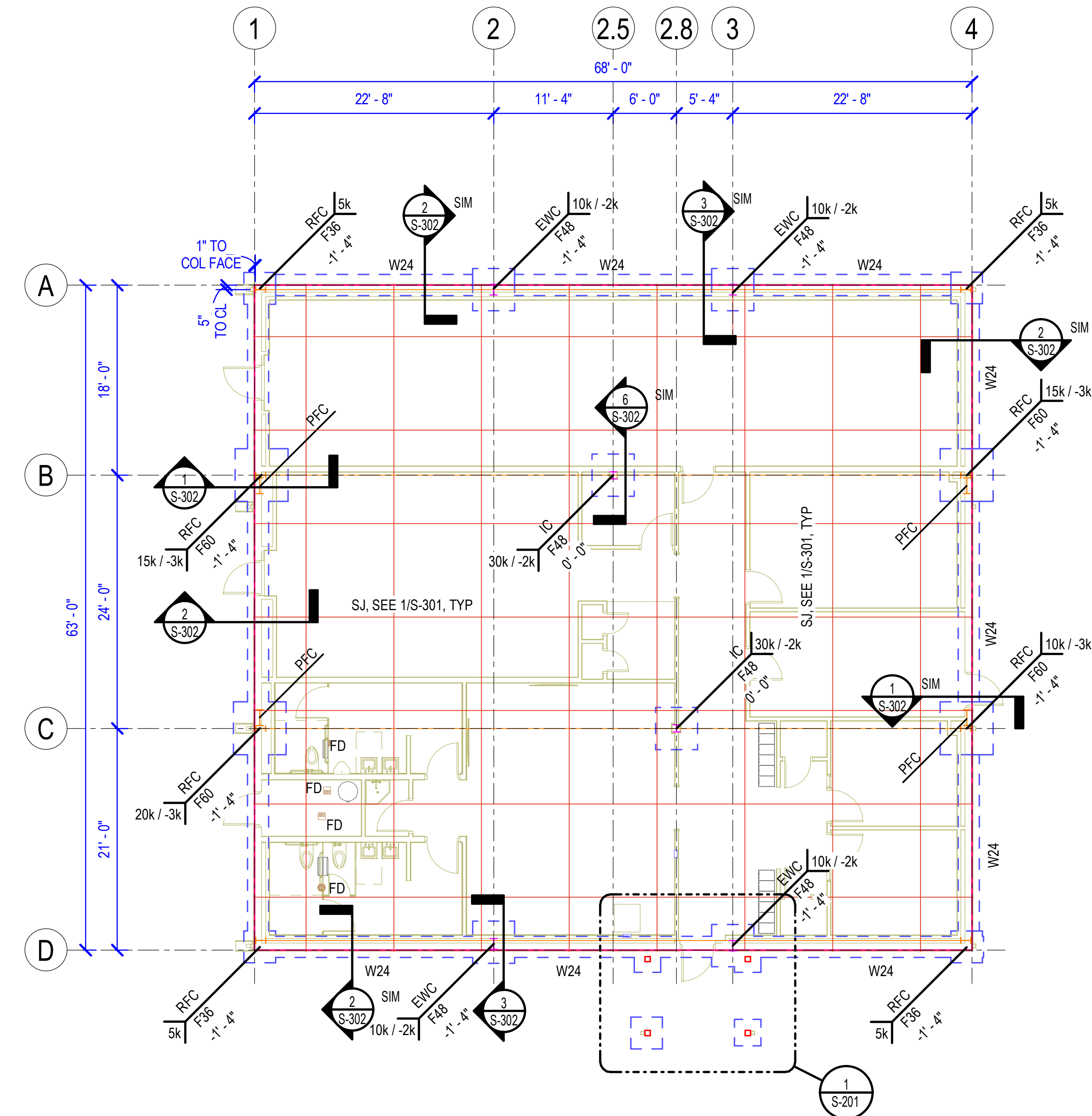
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Sheet Title

FOUNDATION AND
ROOF FRAMING PLANS

Sheet Number

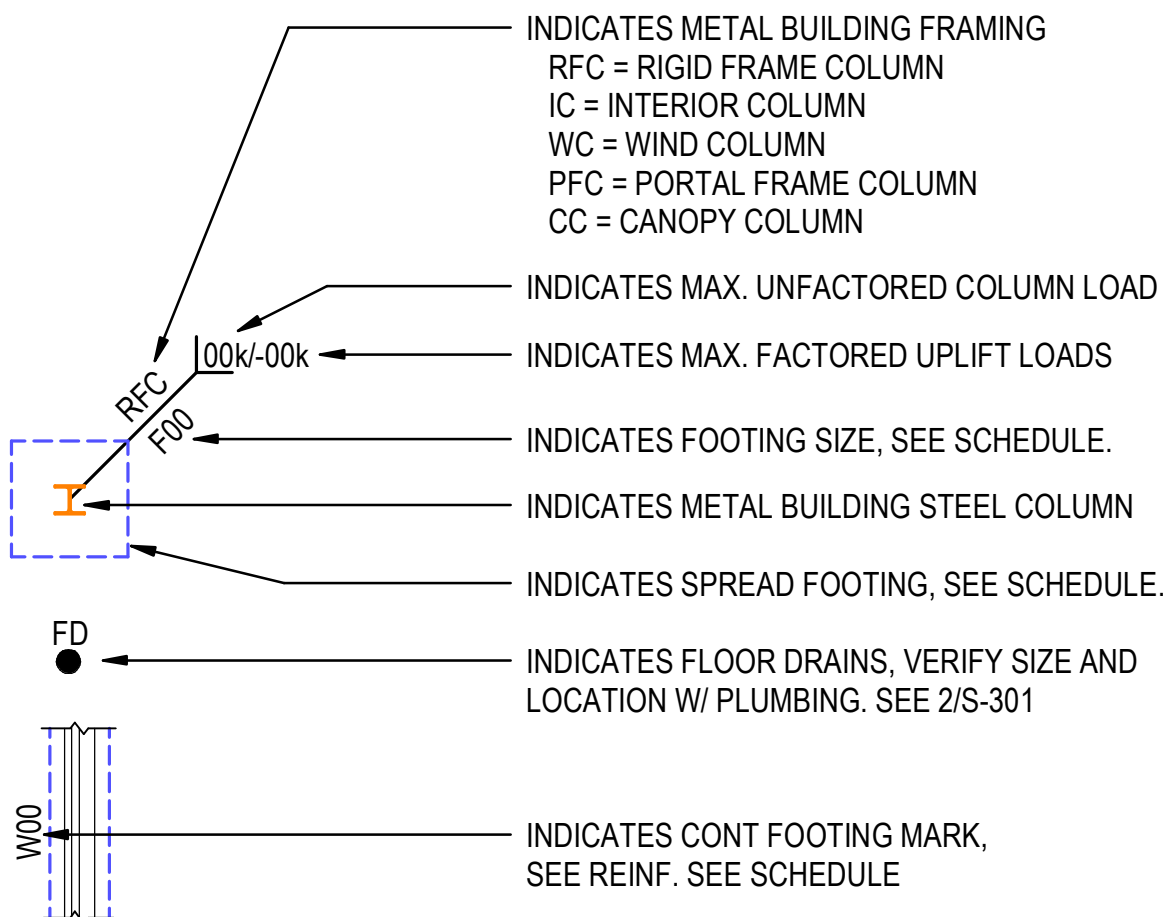
S-101



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

F.F.E = 141.25

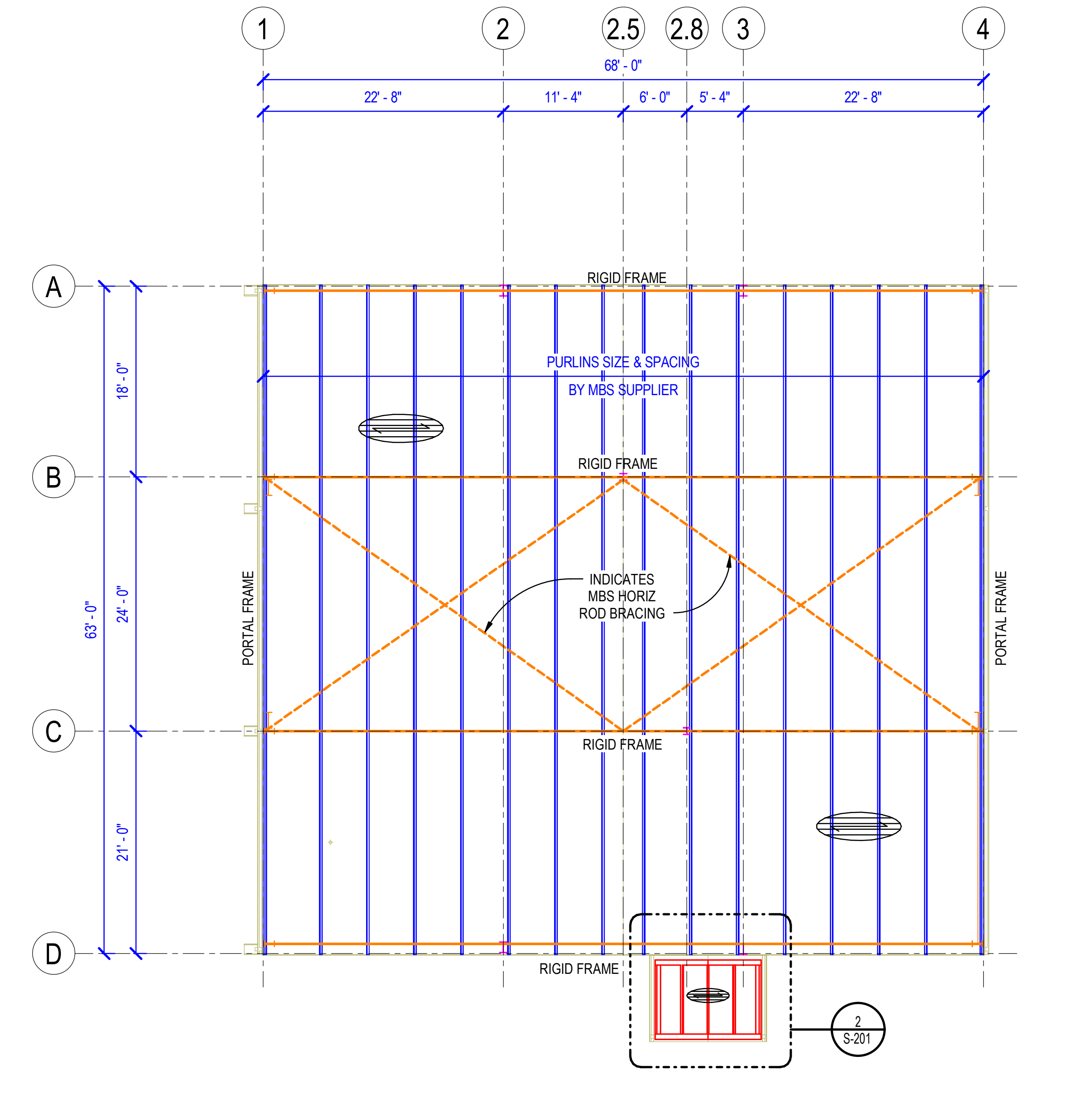
FOUNDATION AND SLAB LEGEND



MARK #	L	W	T	REINFORCING
F30	2' - 6"	2' - 6"	1' - 4"	#5 AT 9" O.C. EACH WAY T&B
F36	3' - 0"	3' - 0"	1' - 6"	#5 AT 9" O.C. EACH WAY T&B
F48	4' - 0"	4' - 0"	1' - 6"	#5 AT 9" O.C. EACH WAY T&B
F60	5' - 0"	5' - 0"	1' - 6"	#5 AT 9" O.C. EACH WAY T&B
W24	VARIES	2' - 0"	1' - 4"	SEE DETAIL 2/S-302

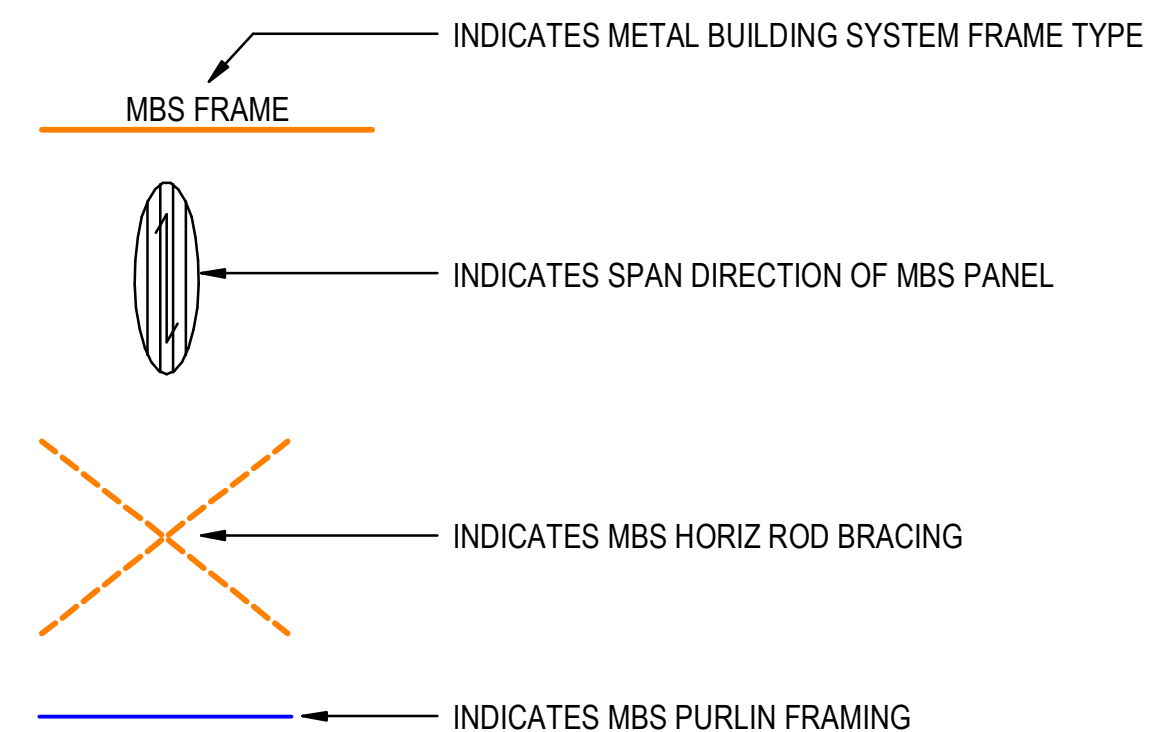
FOUNDATION PLAN NOTES:

- SEE 2/S-301 TYPICAL SLAB ON GRADE PENETRATION DETAILS
- SEE 3/S-301 FOR TYPICAL SLAB OPENINGS AND REENTRANT CORNERS
- SEE 4/S-301 FOR TYPICAL DISCONTINUOUS SLAB JOINT DETAILS
- SEE 6/S-301 FOR TYPICAL CONTINUOUS FOOTING REINFORCEMENT AT CORNERS
- SEE 7/S-301 FOR TYPICAL HORIZONTAL PENETRATIONS THROUGH CONTINUOUS FOOTINGS



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

FRAMING LEGEND



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CROMWELL ARCHITECTS/ENGINEERS
#5
ARKANSAS ENGINEER

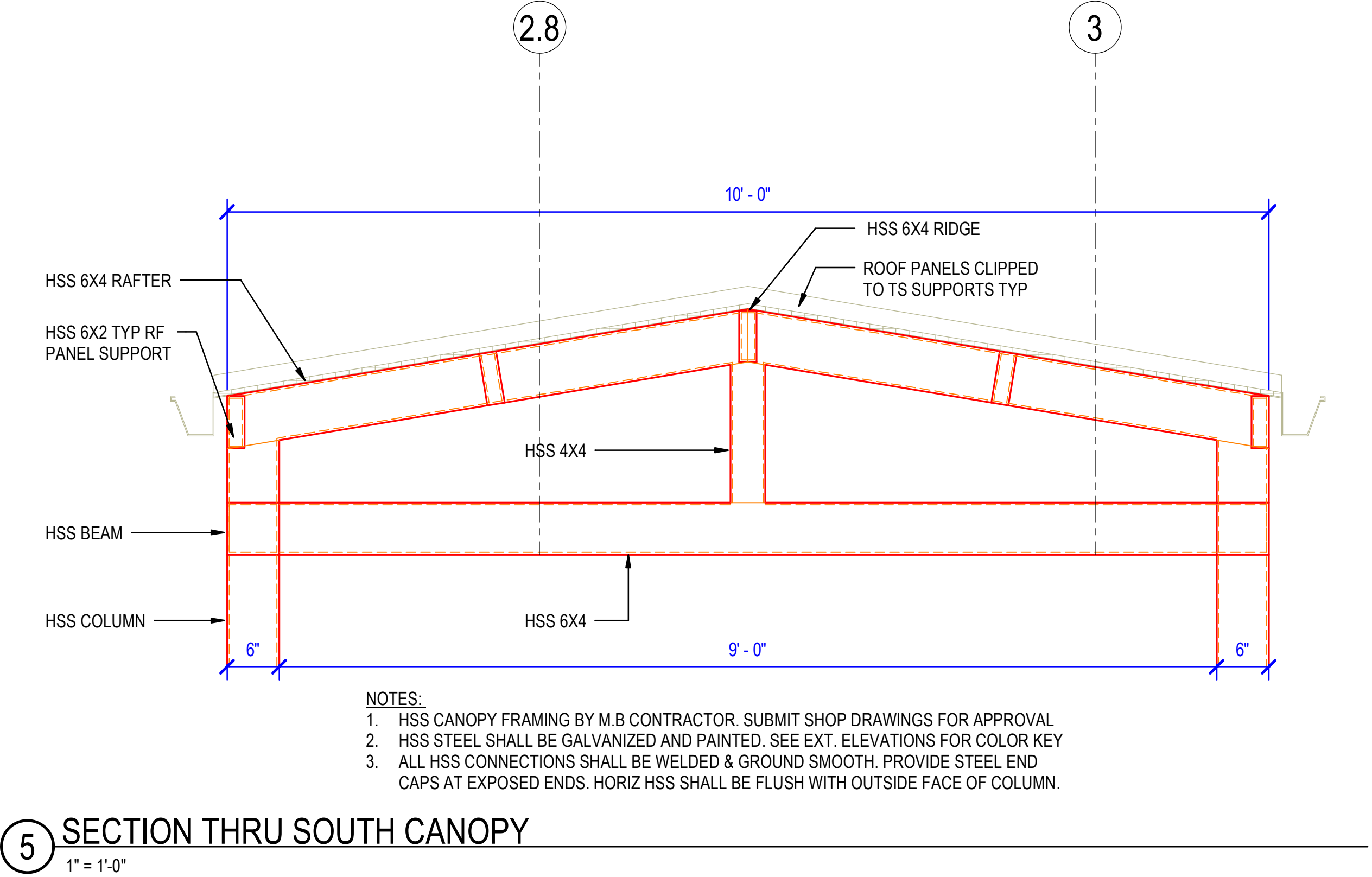
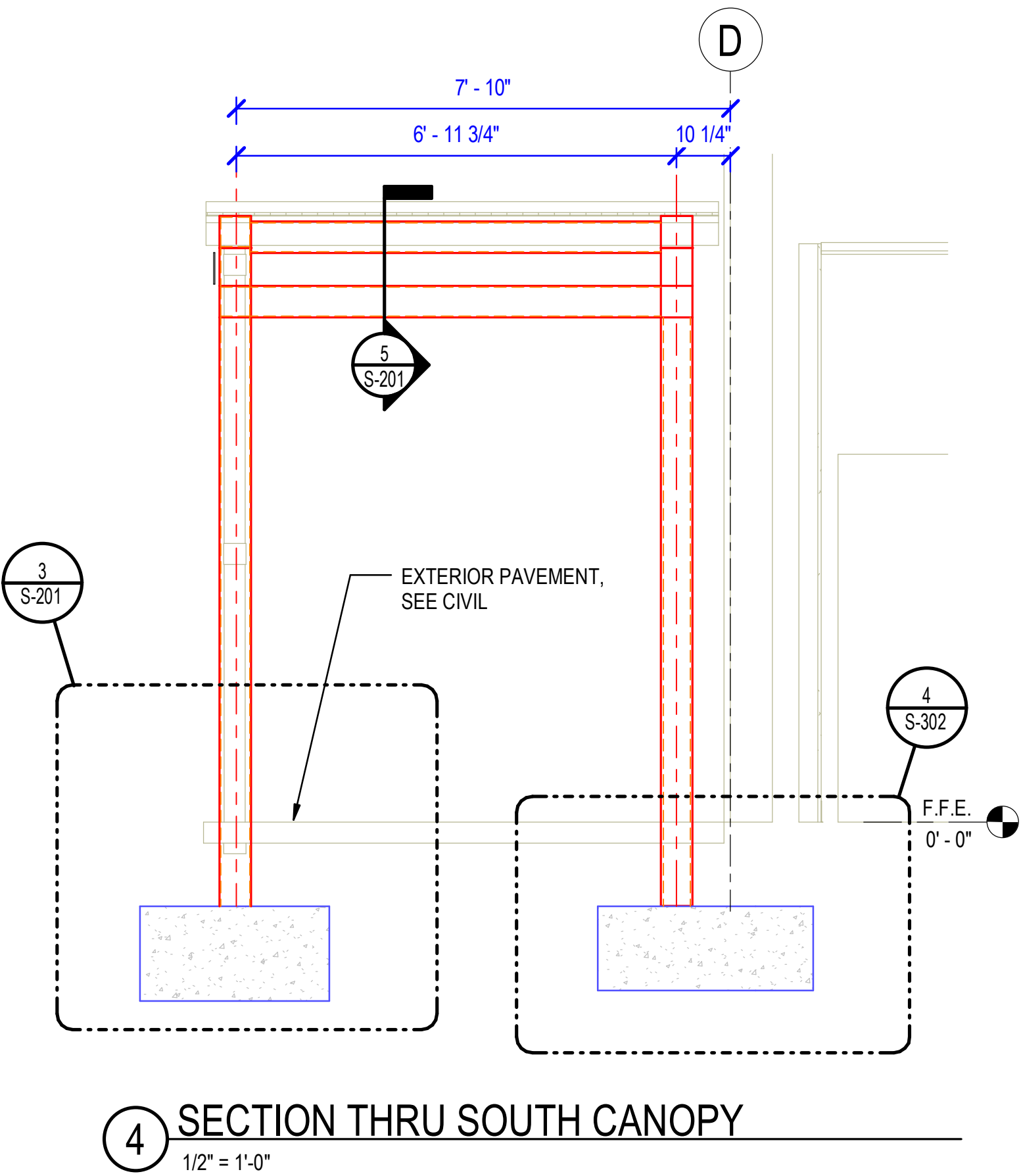
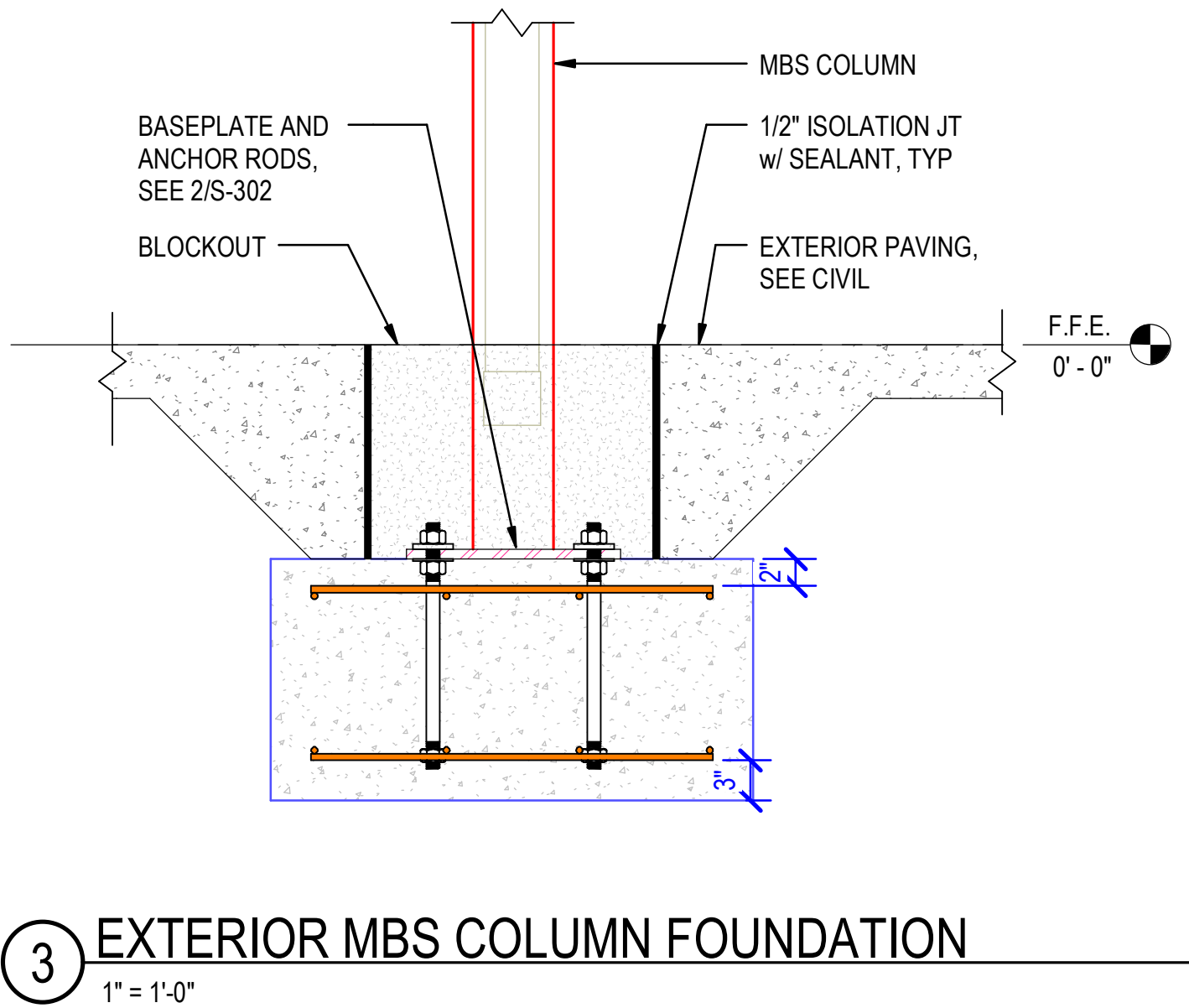
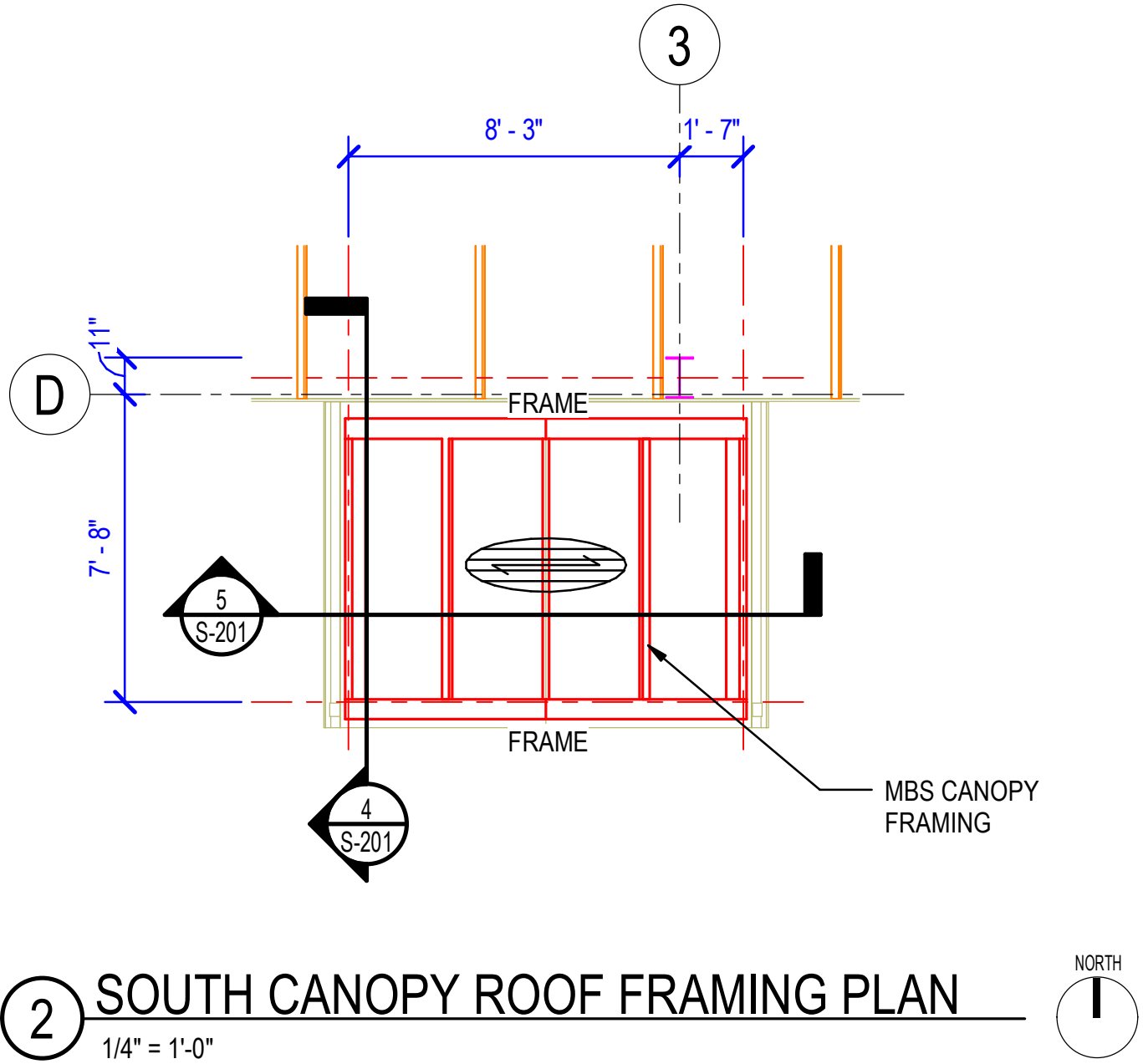
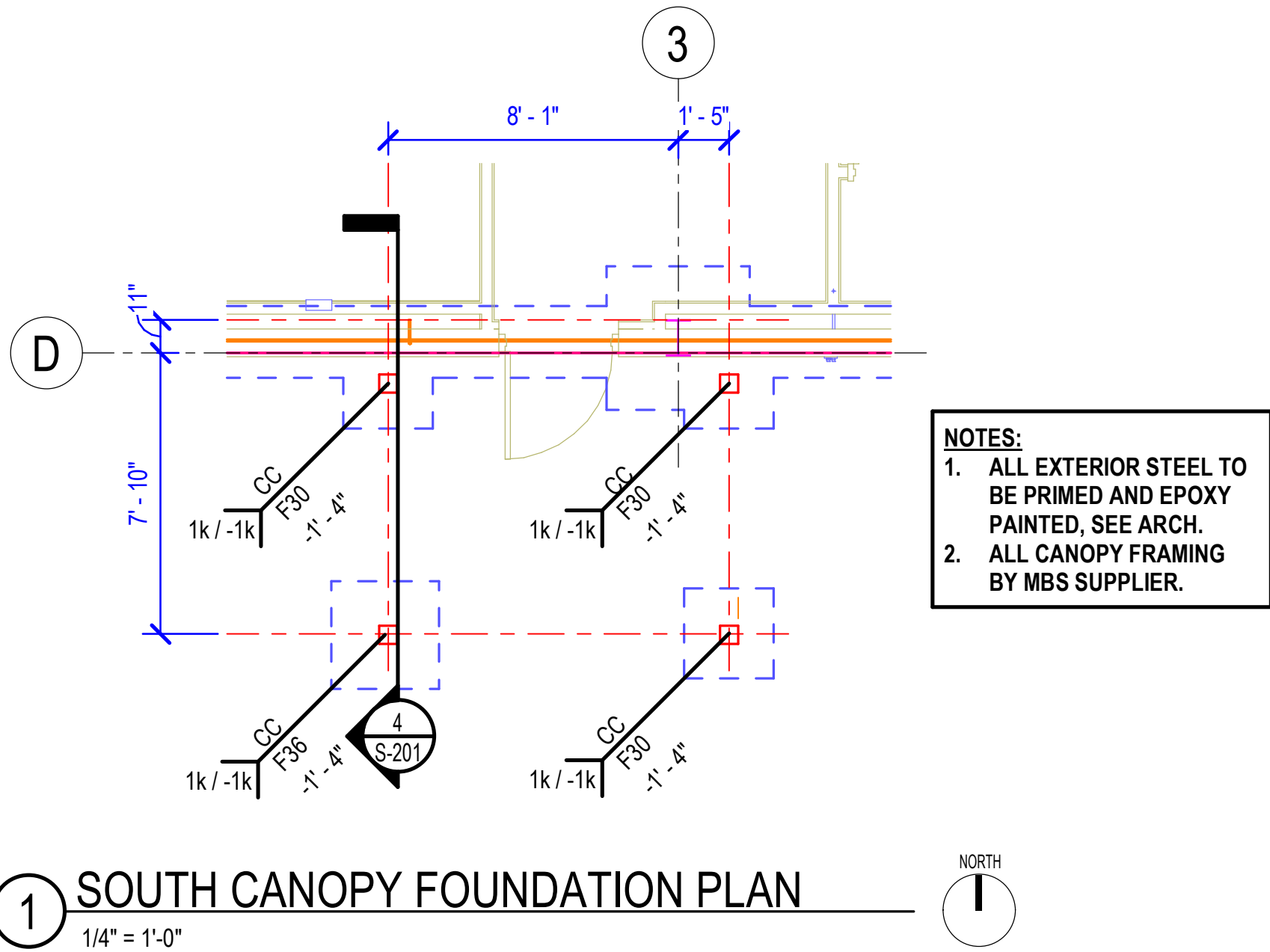
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
BRITANNI MITCHELL
No. 23092
02-20-2025

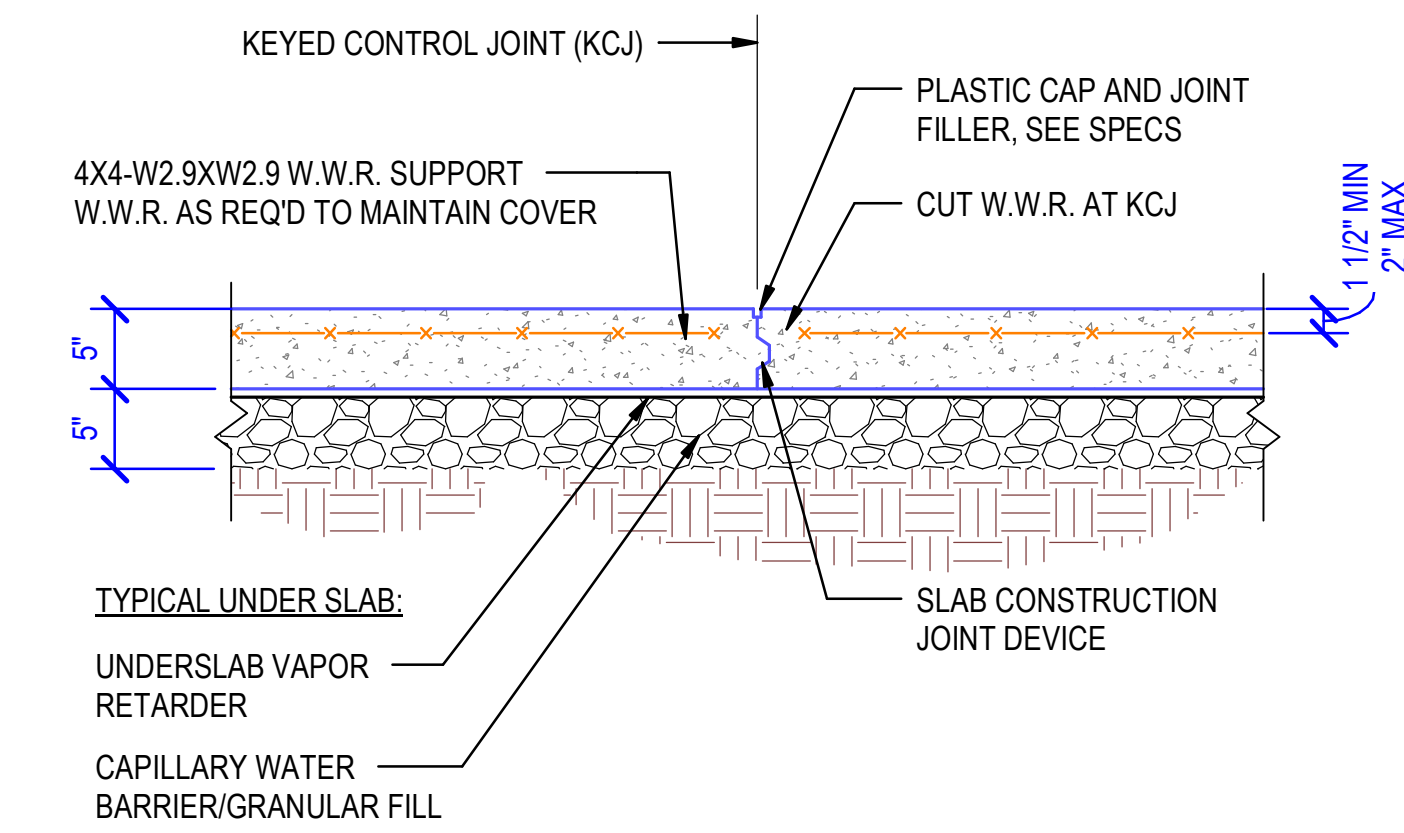
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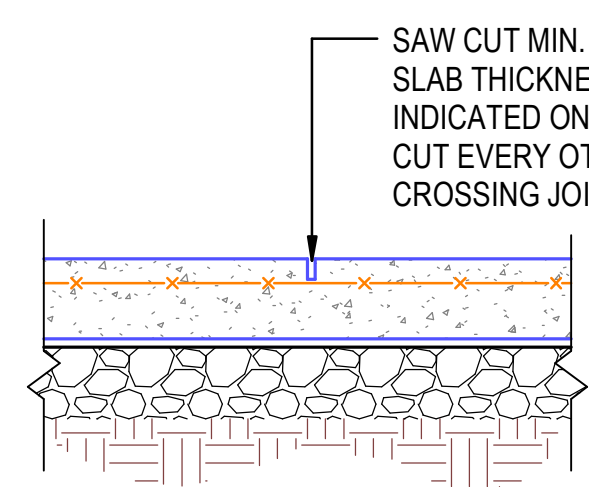
CANOPY FOUNDATION
AND FRAMING PLANS

Sheet Number
S-201

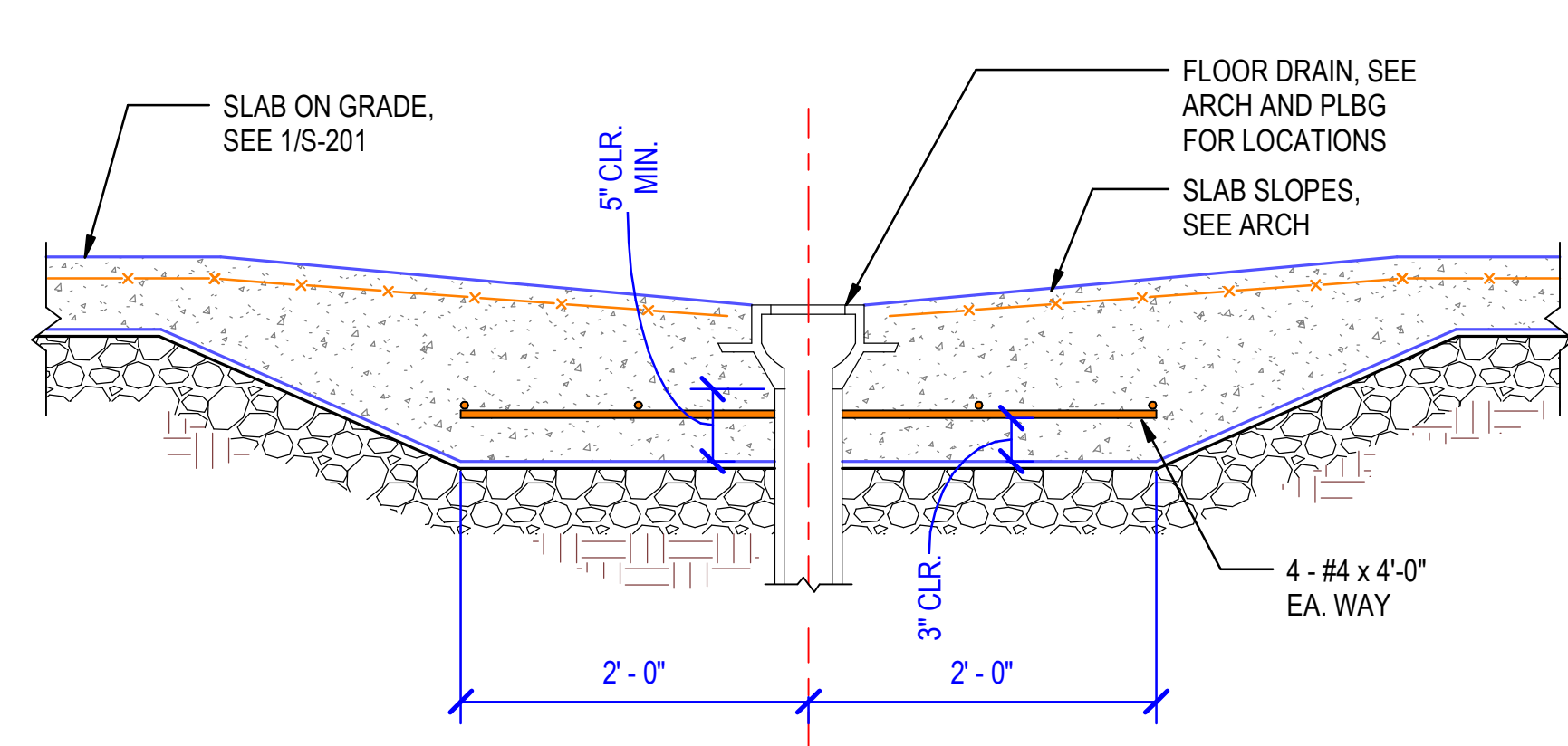




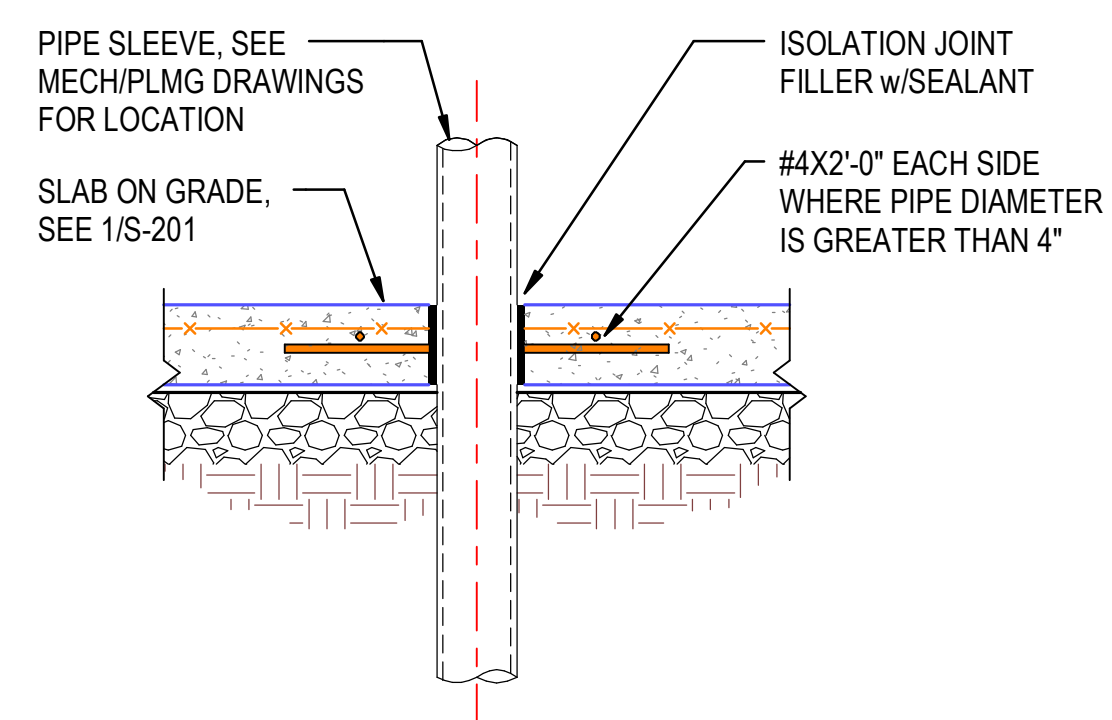
A KCJ (KEYED CONSTRUCTION JOINT)



B SAWN JOINT (SJ)



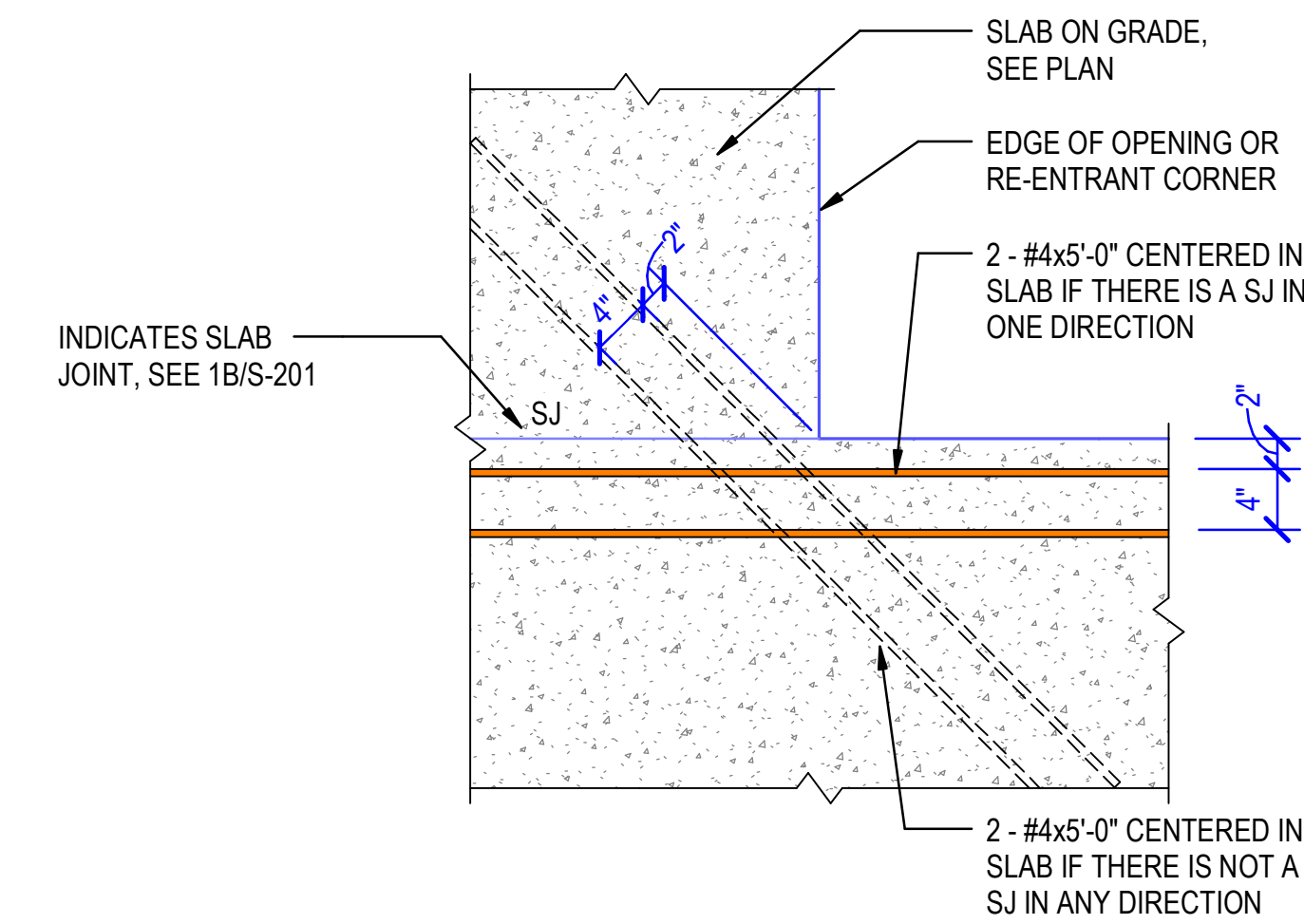
A FLOOR DRAIN AT SLOPED SLAB



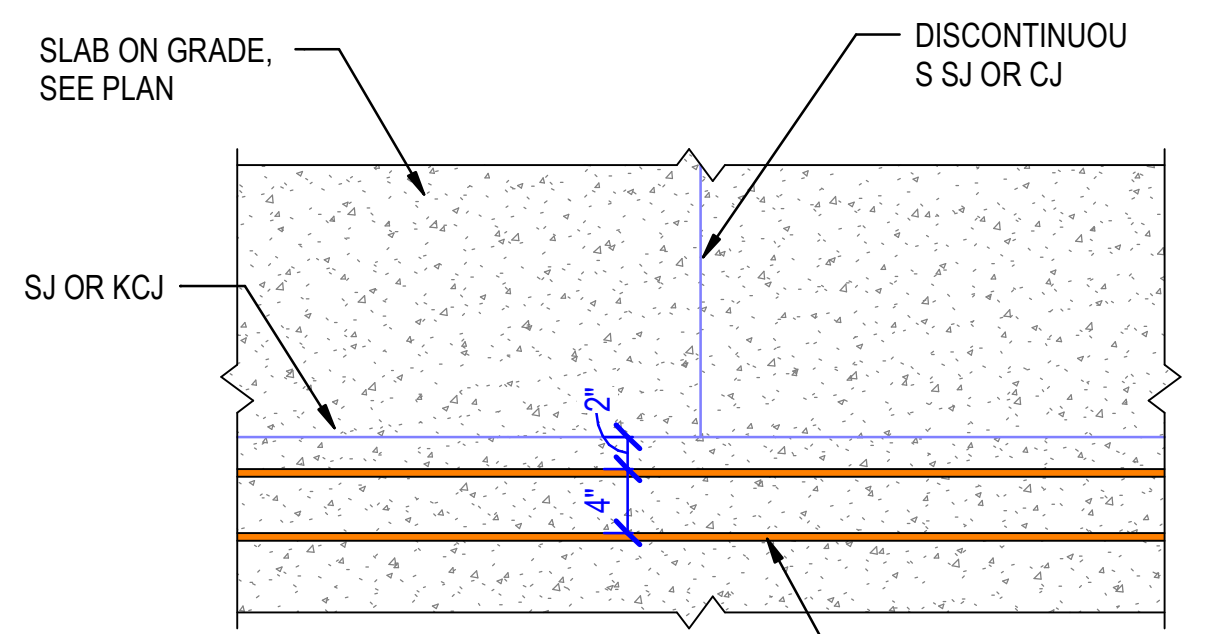
B MECH/PLMG PIPE THROUGH SLAB

1 TYPICAL SLAB ON GRADE REINFORCING AND JOINT DETAILS
NOT TO SCALE

2 TYPICAL SLAB ON GRADE PENETRATION DETAILS
NOT TO SCALE

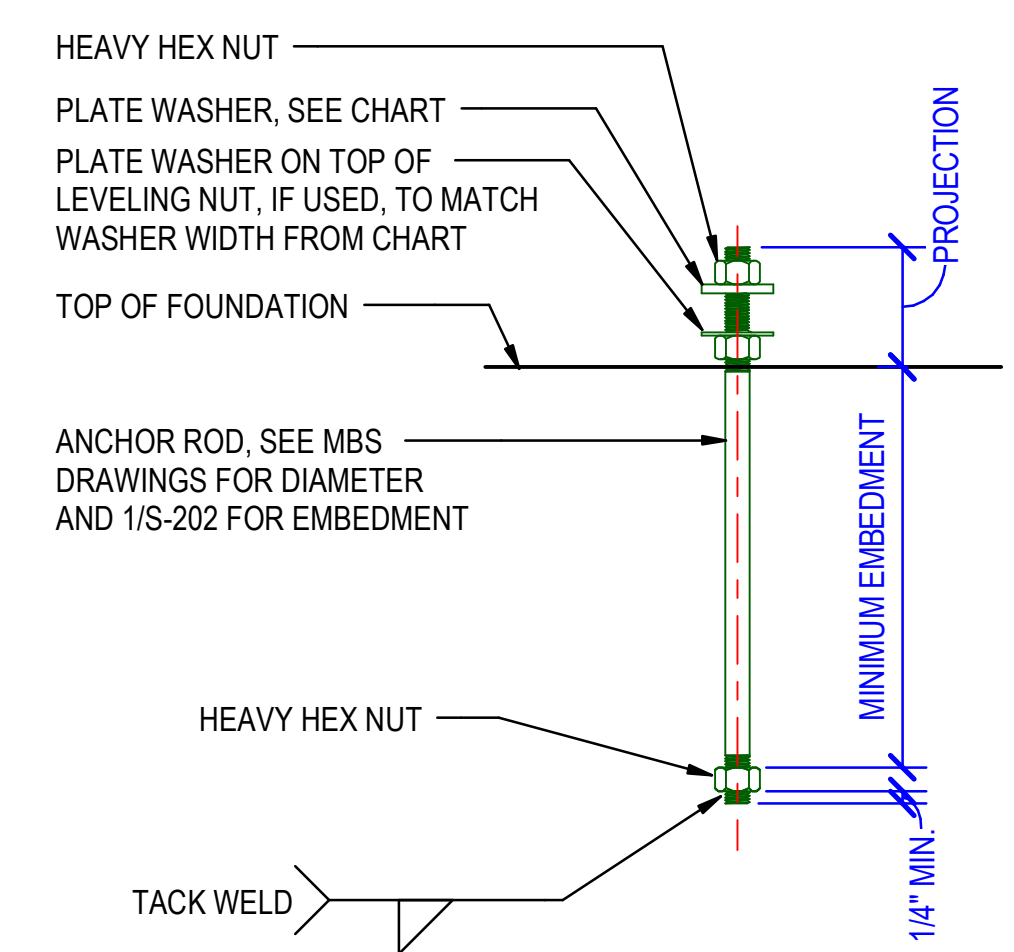


3 TYPICAL SLAB OPENINGS AND REENTRANT CORNERS
NOT TO SCALE

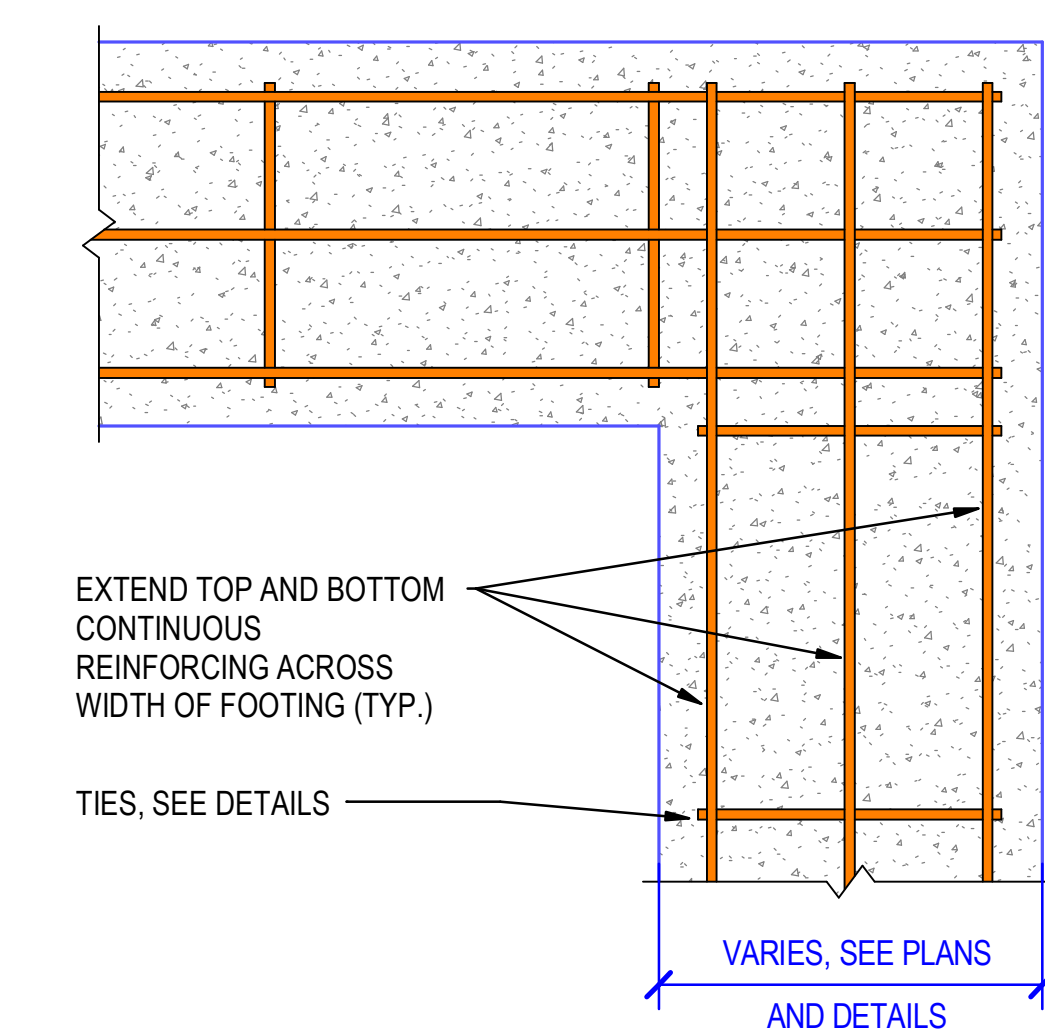


NOTE:
APPLIES TO ALL
DISCONTINUOUS SLAB JOINTS,
WHETHER SHOWN ON PLANS OR
NOT

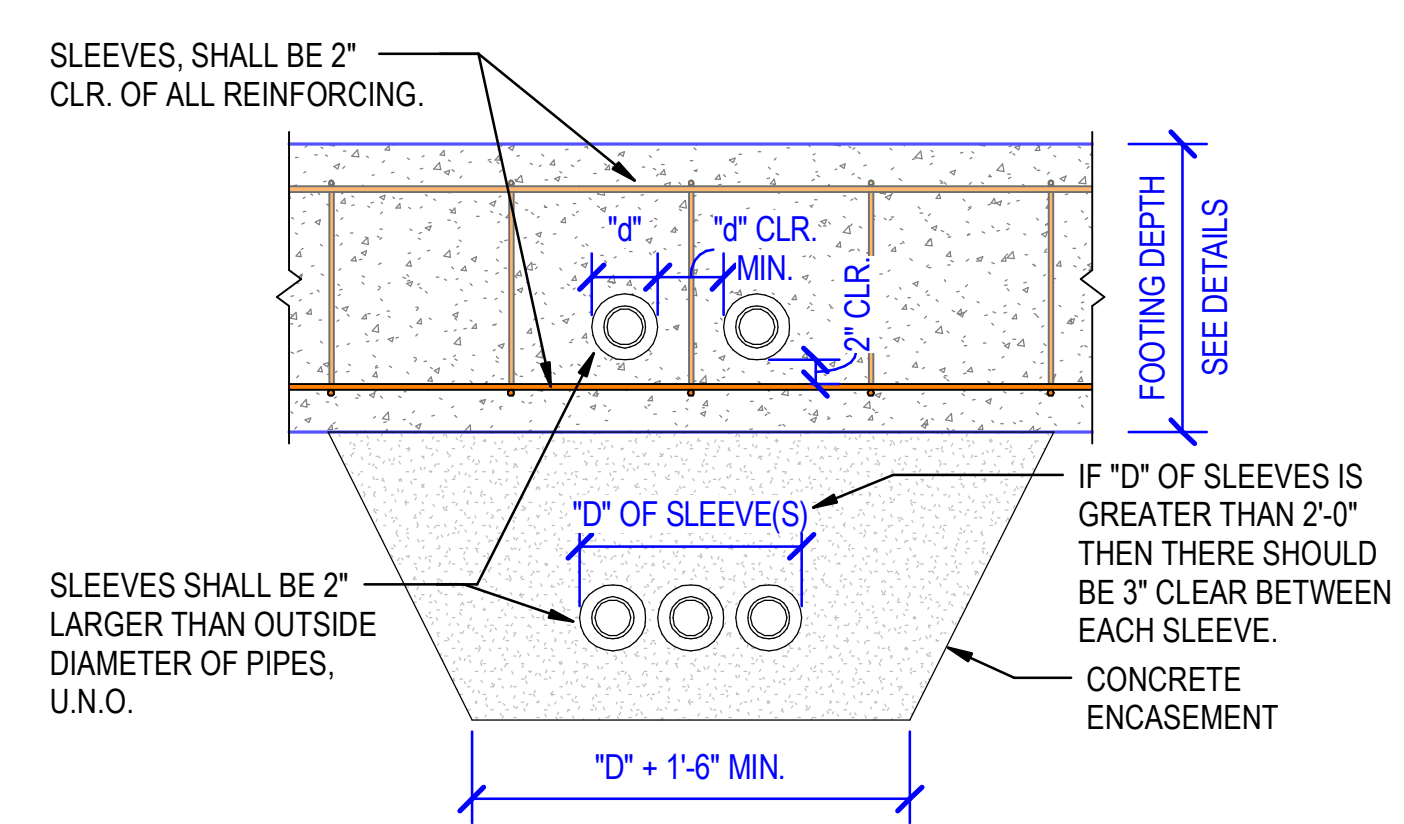
4 TYPICAL DISCONTINUOUS SLAB JOINT DETAIL
NOT TO SCALE



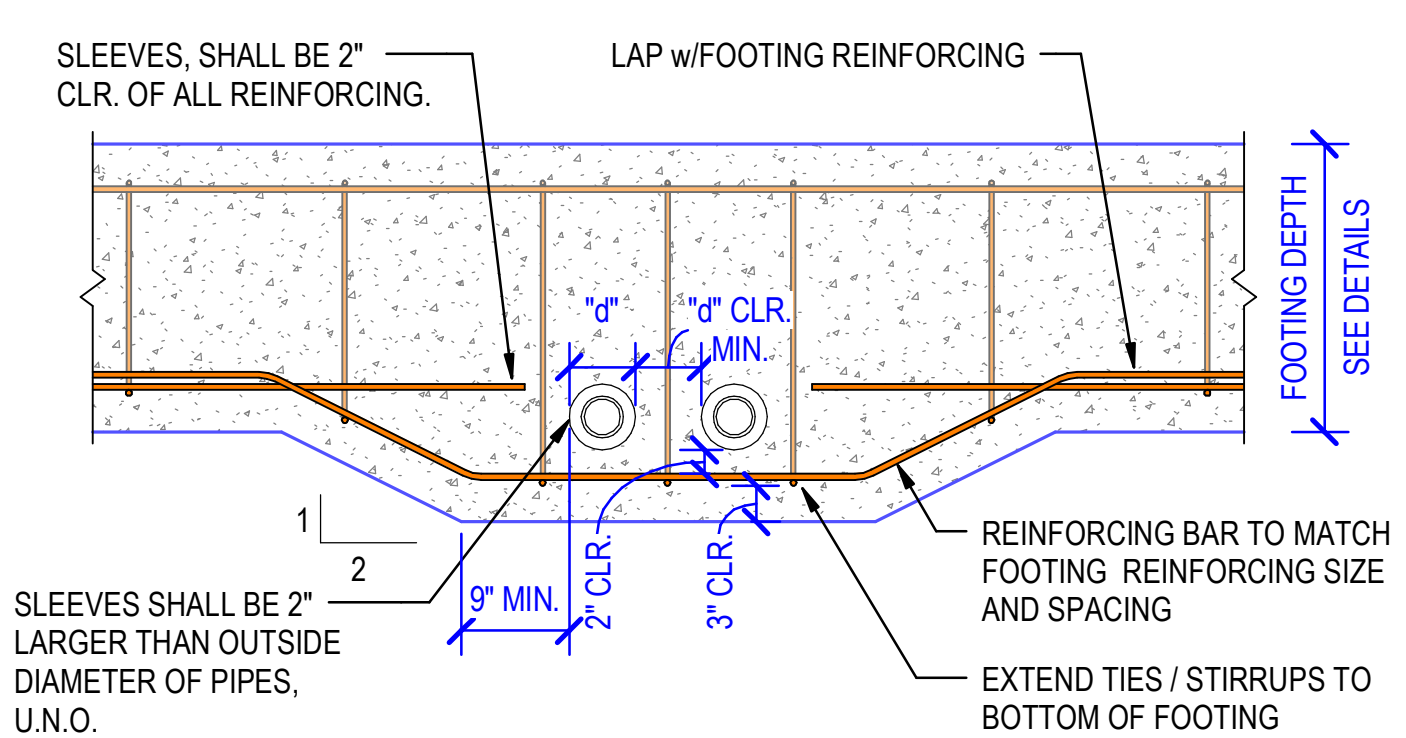
5 ANCHOR ROD DETAIL
NOT TO SCALE



6 TYP CONT. FOOTING REINF. AT CORNERS
NOT TO SCALE



A PIPES THROUGH OR BELOW FOOTING



B PIPES THROUGH FOOTING (INTERRUPTED REINFORCING)

7 TYPICAL HORIZONTAL PENETRATIONS THRU CONT. FOOTINGS
NOT TO SCALE

- NOTES:
1. PIPE SLEEVES SHALL BE PVC, CAST IRON, OR GALV. STEEL.
 2. COORD. PIPE SLEEVE LOCATIONS w/MECH. ELEC. AND PLMG.
 3. THE NOMINAL SLEEVE DIAMETER SHALL NOT BE GREATER THAN 1/4 OF THE FOOTING DEPTH. THICKEN FOOTING AS REQUIRED.
 4. SLEEVES SHALL BE 2" CLEAR FROM TOP REINF.
 5. SEAL EACH SIDE OF SLEEVES AROUND PIPE.

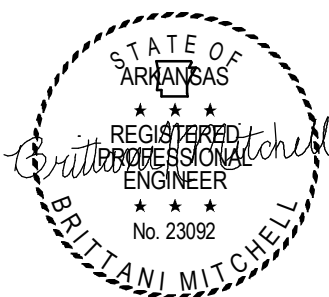
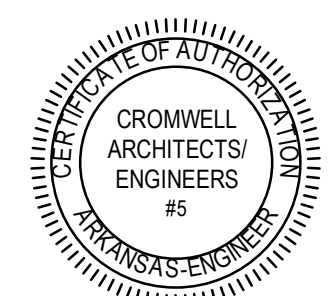
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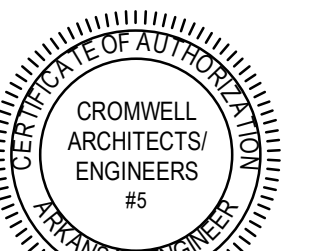
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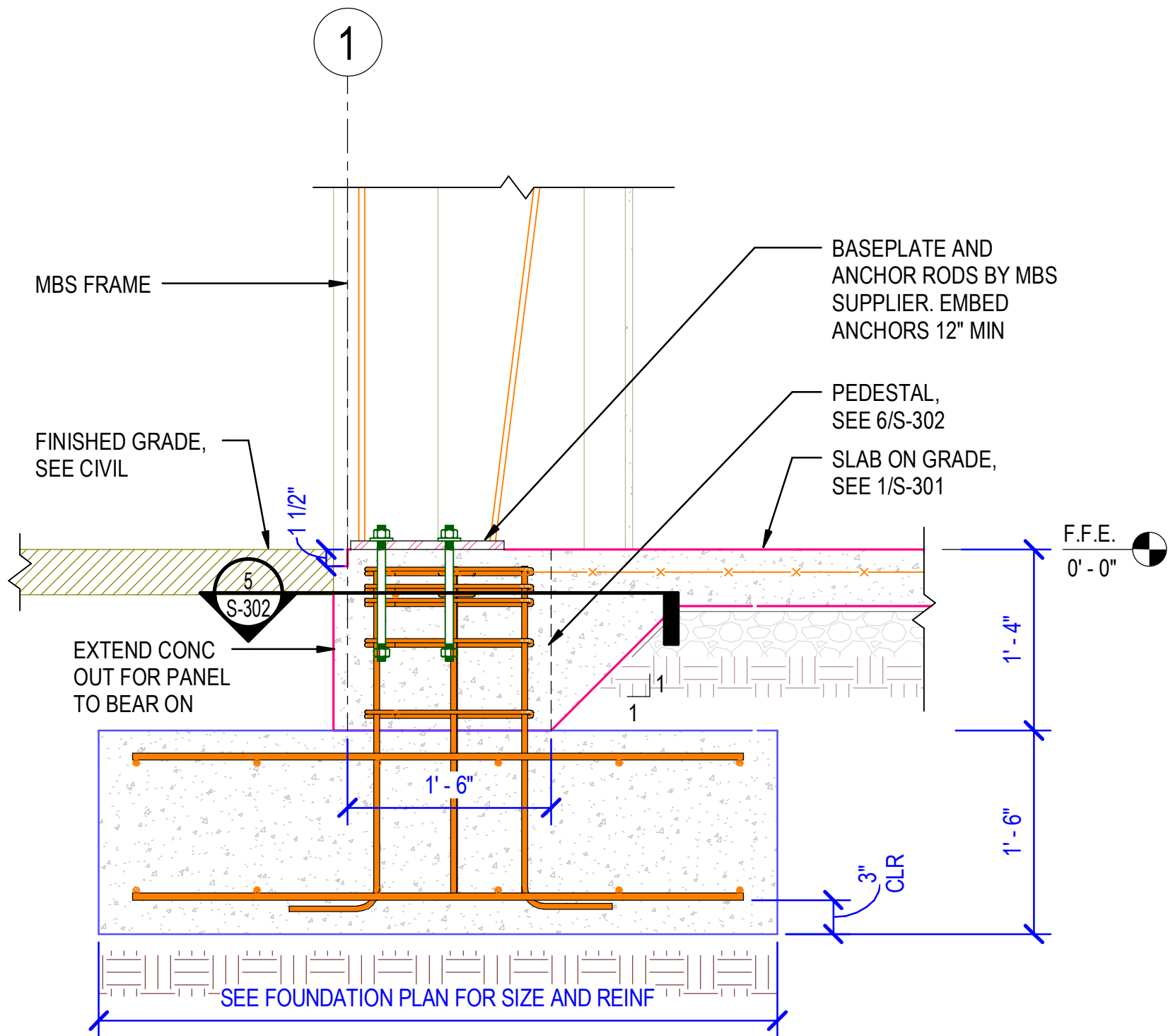
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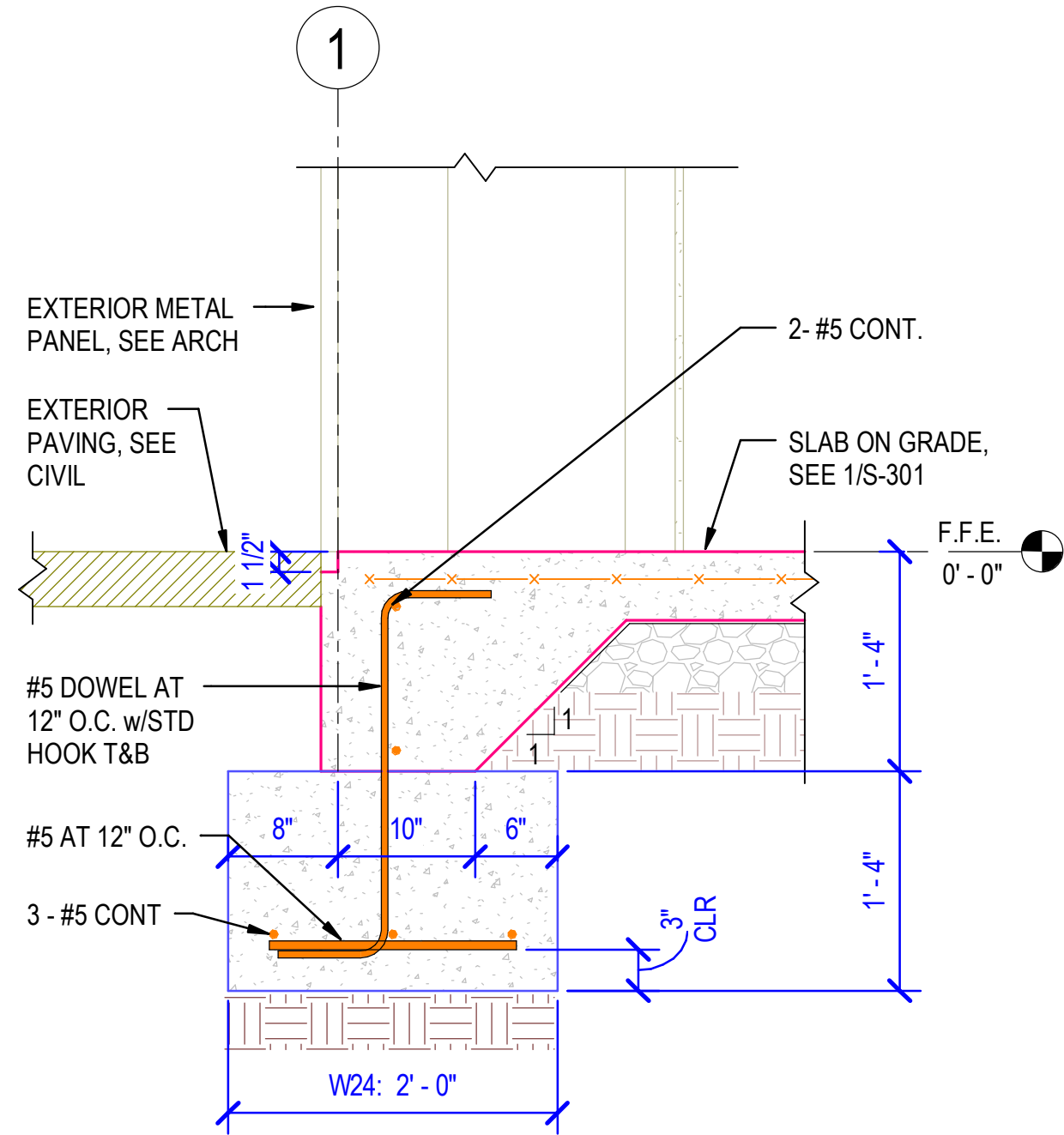
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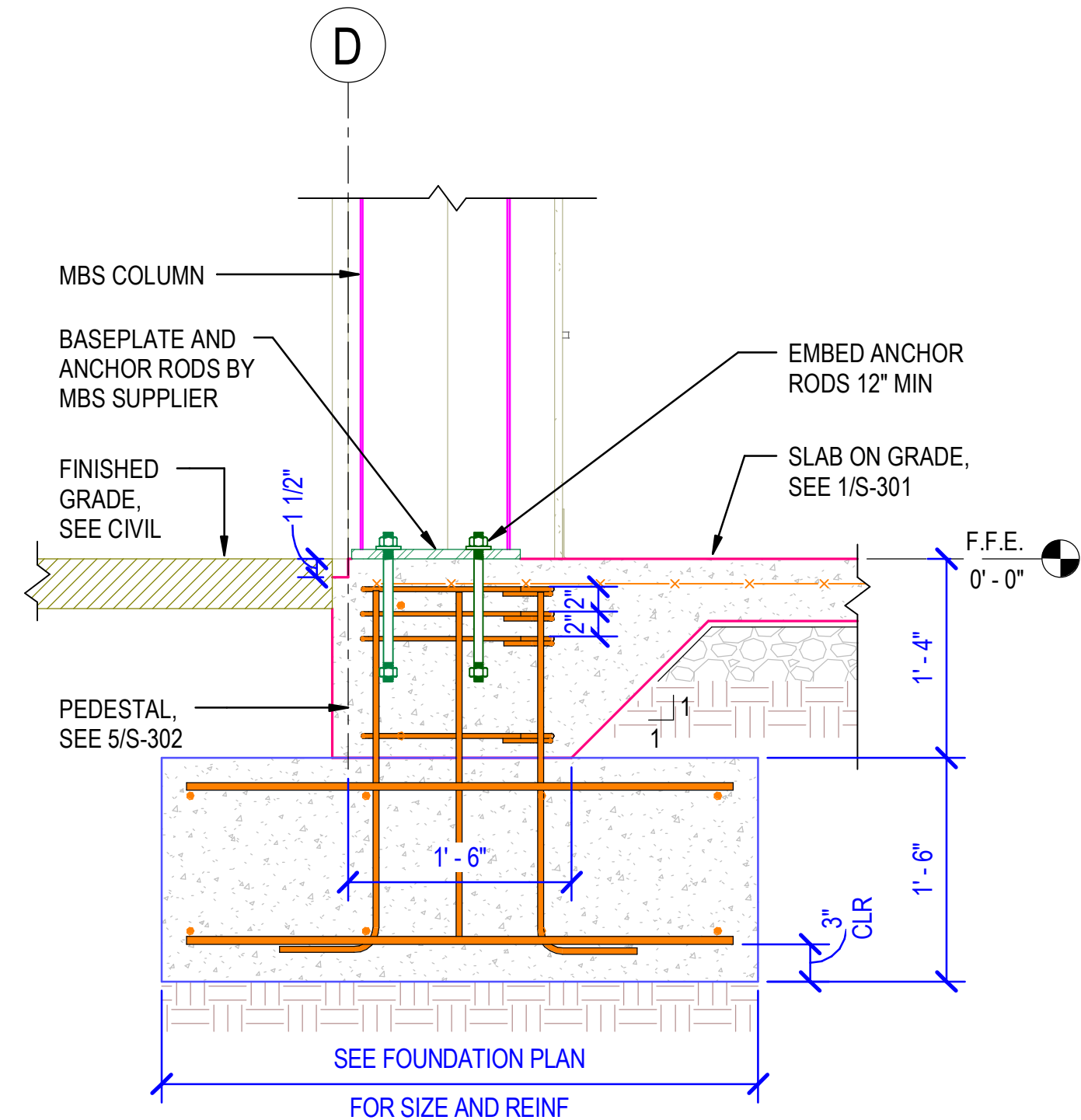
S-302



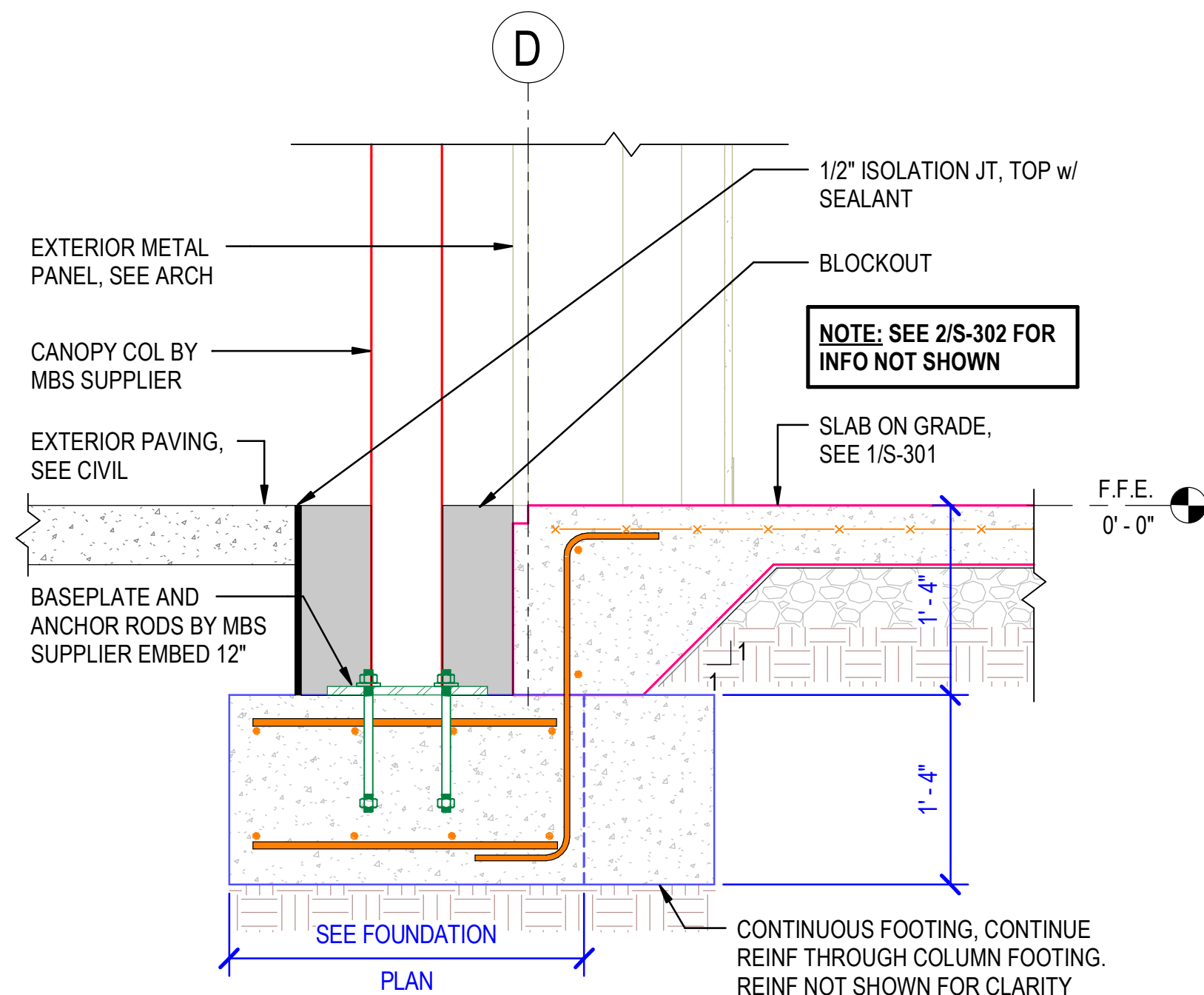
1 TYP FOUNDATION AT RIGID FRAME COLUMN
1" = 1'-0"



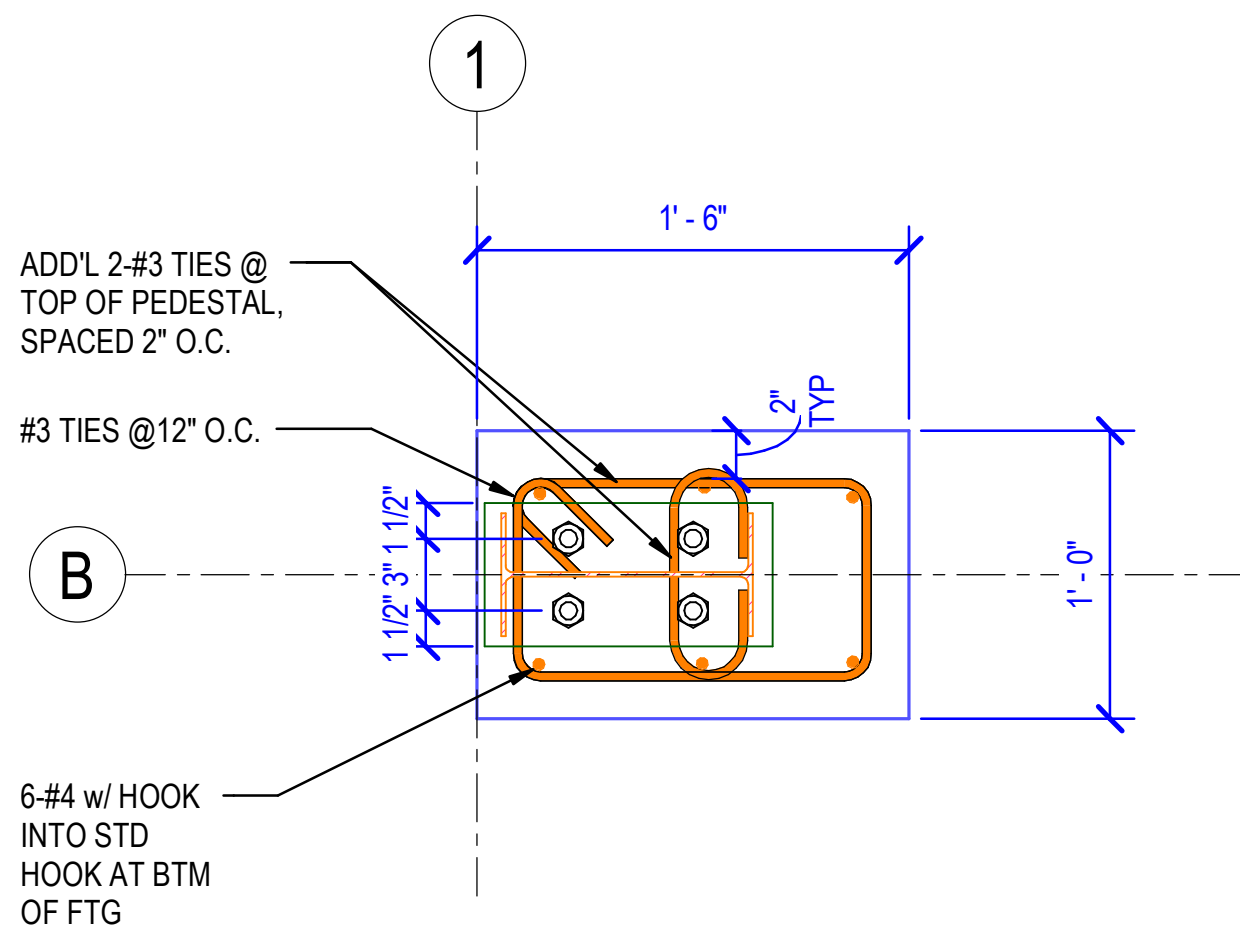
2 TYP SLAB EDGE DETAIL
1" = 1'-0"



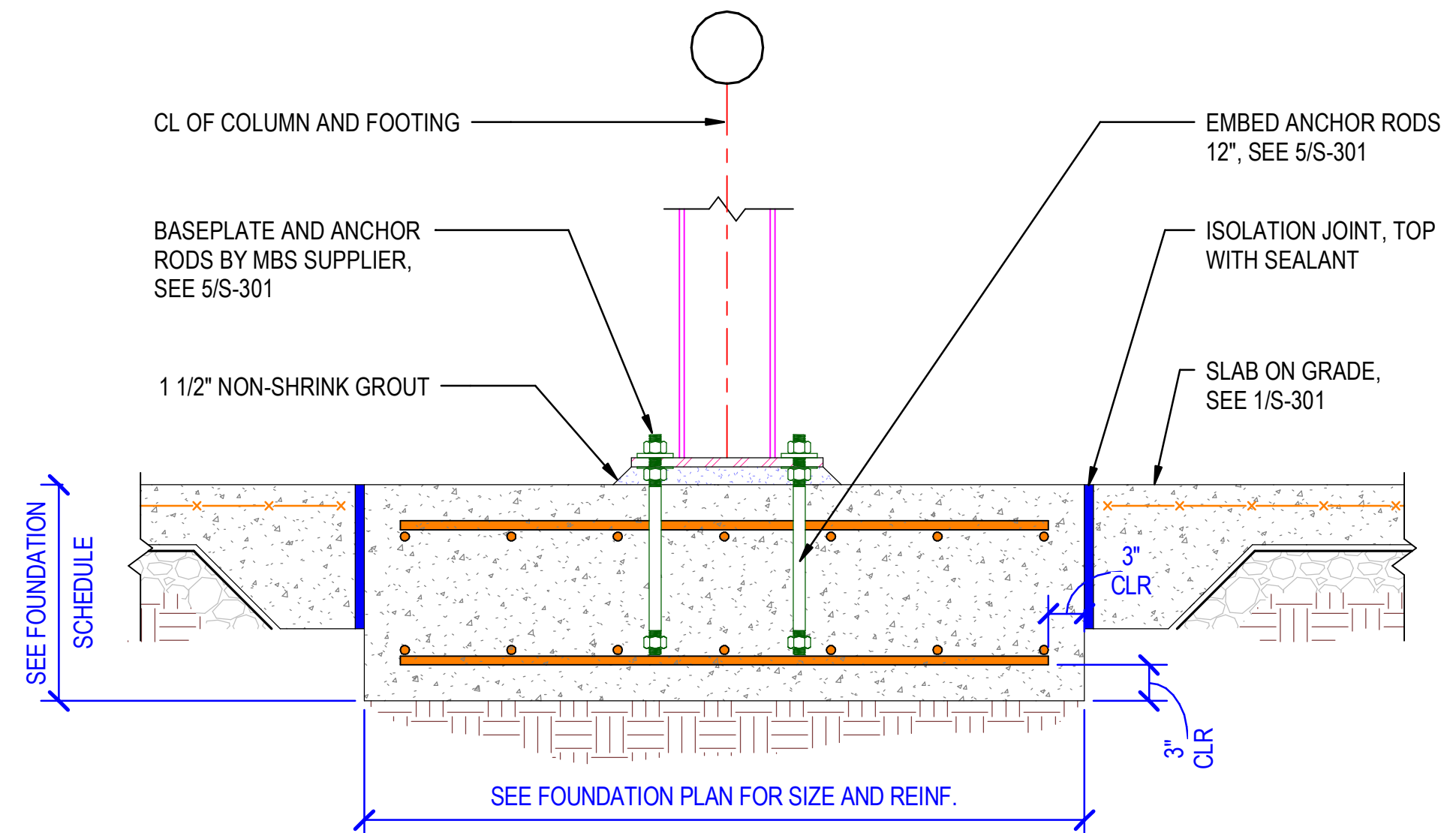
3 TYP AT END WALL COLUMN
1" = 1'-0"



4 TYPICAL HSS COLUMN FOUNDATION DETAIL
1" = 1'-0"



5 MBS COLUMN PEDESTAL DETAIL
1 1/2" = 1'-0"



6 TYP INTERIOR COLUMN FOOTING
NOT TO SCALE