



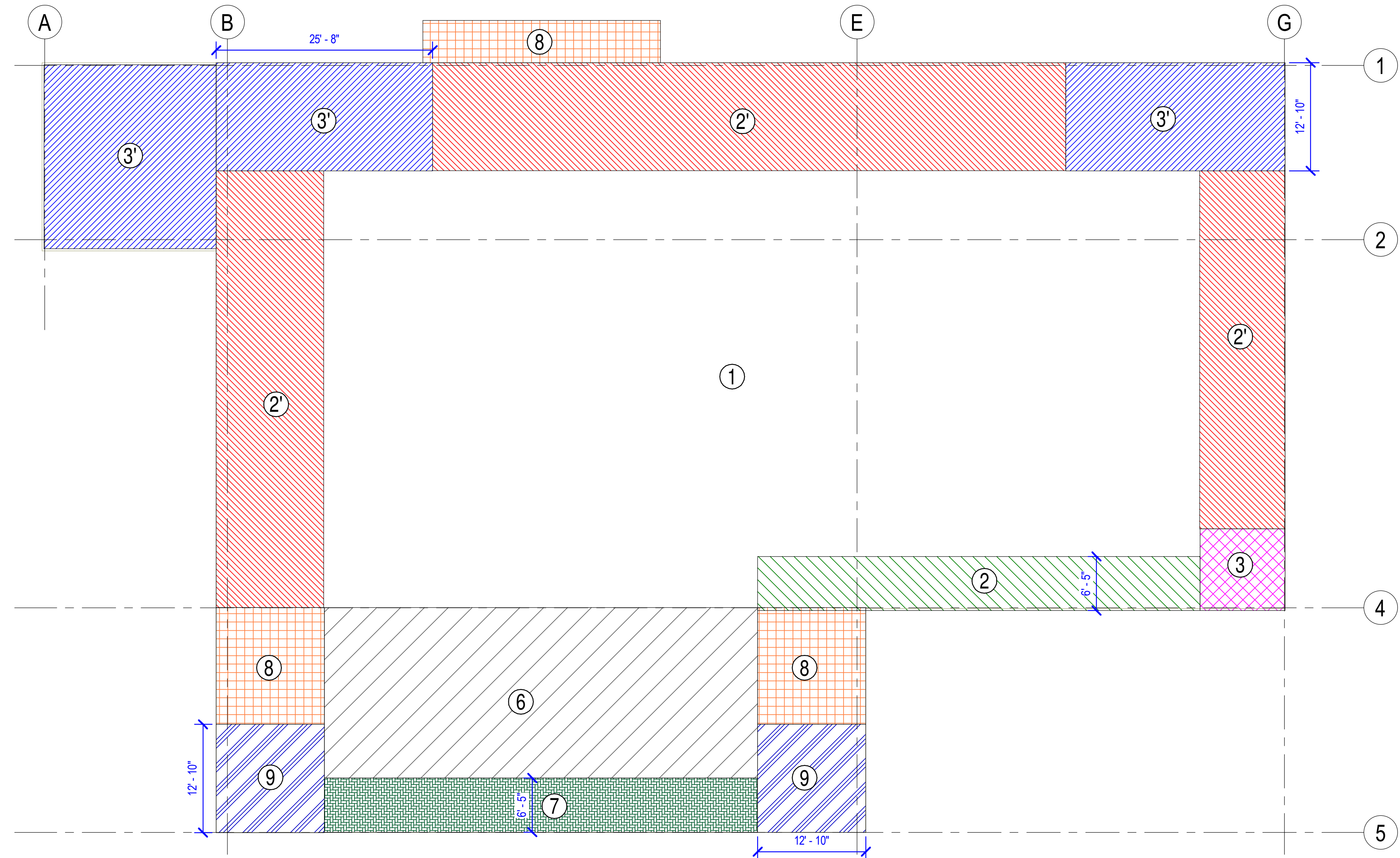


#### H. METAL BUILDING SYSTEMS:

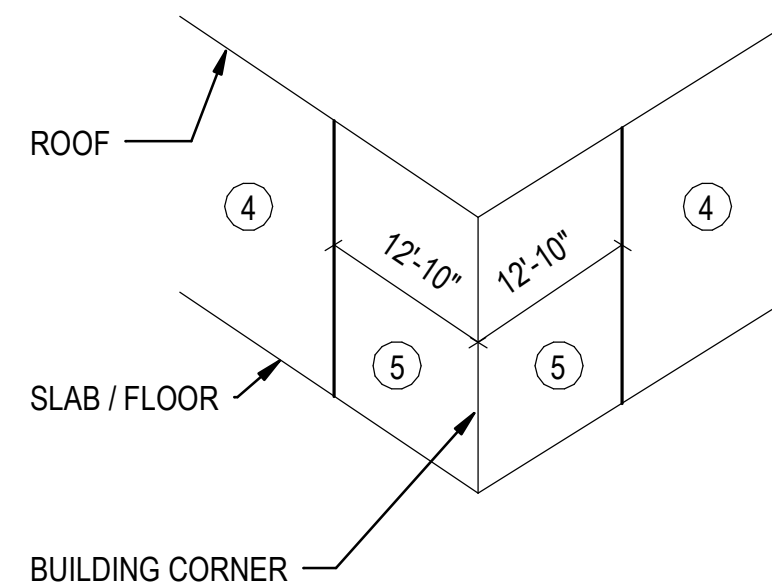
1. THE METAL BUILDING SYSTEM MANUFACTURER SHALL BE IAS AC472 ACCREDITED AND A MEMBER OF MBMA.
2. THE METAL BUILDING SYSTEM MANUFACTURER SHALL:
  - a. DESIGN THE METAL BUILDING SYSTEM FOR THE LOADS AND DESIGN CRITERIA SHOWN ON THE PLANS AND IN SPECIFICATIONS.
  - b. DESIGN THE BUILDING FOR A MAXIMUM DRIFT OF H/200 UNDER THE NOMINAL WIND SPEED INDICATED UNDER THE STRUCTURAL DESIGN CRITERIA. SEISMIC DRIFT SHALL BE LIMITED BASED ON ASCE 7 ASSUMING ACCOMMODATIONS FOR STORY DRIFTS HAVE NOT BEEN INCORPORATED INTO THE DESIGN. COLUMN BASES SHALL BE ASSUMED TO BE PINNED CONDITION.
  - c. CHECK THE FOUNDATION DESIGN LOADS SHOWN ON THE DRAWINGS AND NOTIFY THE ENGINEER/ARCHITECT IF ANY OF THE LOADS FROM THE BUILDING WILL EXCEED THE LOADS SHOWN ON THE DRAWINGS.
3. DO NOT CONSTRUCT FOUNDATIONS UNTIL THE ENGINEER/ARCHITECT HAS APPROVED THE METAL BUILDING SYSTEM SUBMITTAL AND MADE ANY NECESSARY CHANGES TO THE FOUNDATION DRAWINGS.
4. PLACE AND SECURE ANCHOR RODS IN FOOTING EXCAVATION PRIOR TO POURING CONCRETE FOR FOOTING. DO NOT PLACE ANCHOR RODS IN WET CONCRETE.
5. ALL WELDING SHALL BE PERFORMED BY WELDERS CERTIFIED BY AWS TO PERFORM THE WELDING IN ACCORDANCE WITH AWS.
6. FINAL BOLTING OR WELDING SHALL NOT BE PERFORMED UNTIL THE STRUCTURE HAS BEEN PROPERLY ALIGNED.
7. THE METAL BUILDING SYSTEM MANUFACTURER SHALL PROVIDE ADEQUATE CLEARANCE FOR INDEPENDENT OVEN SYSTEMS

### I. POST-INSTALLED ANCHORS IN CONCRETE:

1. POST-INSTALLED ANCHORS (MECHANICAL OR ADHESIVE) SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER-OF-RECORD PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS OR DOWELS. POST-INSTALLED ANCHORS SHALL BE BUILDING CODE COMPLIANT, INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND INSPECTED PER THE APPLICABLE ICC-ES OR IAPMO UES EVALUATION REPORT. SEE SPECIFICATIONS SECTION(S) 03 30 00 FOR ADDITIONAL INFORMATION.



# 1 COMPONENTS & CLADDING WIND PRESSURES ROOF PLAN







ZONE	TRIBUTARY AREA (SQ. FT.)		
	10	50	100
4	-32/+29 PSF	-29/+26 PSF	-27/+25 PSF
5	-39/+29 PSF	-33/+26 PSF	-31/+25 PSF

### COMPONENTS AND CLADDING WALL WIND PRESSURES





NOTES:

1. ULTIMATE WIND SPEED: 116 MPH
2. NOMINAL WIND SPEED: 89.9 MPH
3. WIND PRESSURES ARE BASED ON ASCE 7-16 STRENGTH DESIGN (ULTIMATE).
4. POSITIVE / NEGATIVE VALUES INDICATE FORCES ARE ACTING TOWARDS / AWAY FROM ELEMENT, RESPECTIVELY.
5. COMPONENTS SUBJECTED TO PARAPET WIND FORCE ON BOTH SIDES (e.g. WALL PANELS) SHALL BE DESIGNED FOR CUMULATIVE FORCES.
6. 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	-35/+16 PSF	-35/+16 PSF	-35/+16 PSF
	2	-40/+16 PSF	-38/+16 PSF	-38/+16 PSF
	2'	-48/+16 PSF	-47/+16 PSF	-46/+16 PSF
	3	-54/+16 PSF	-52/+16 PSF	-38/+16 PSF
	3'	-76/+16 PSF	-47/+16 PSF	-48/+16 PSF

### OVERHANG/SOFFIT UPLIFT (STRENGTH DESIGN)

ZONE		TRIBUTARY AREA (SQ. FT.)		
		10	50	100
	6	-67/+45 PSF	-64/+42 PSF	-62/+41 PSF
	7	-72/+45 PSF	-67/+42 PSF	-65/+41 PSF
	8	-88/+45 PSF	-80/+42 PSF	-76/+41 PSF
	9	-101/+48 PSF	-82/+44 PSF	-74/+43 PSF

## COMPONENTS AND CLADDING ROOF WIND PRESSURES



1300 East 6th Street Little Rock, AR 72202  
501.372.2900 cromwell.com

Project —

AEROJET BUILDING 66B  
CURE OVEN BUILDING  
EAST CAMDEN,  
ARKANSAS

Design Phase —

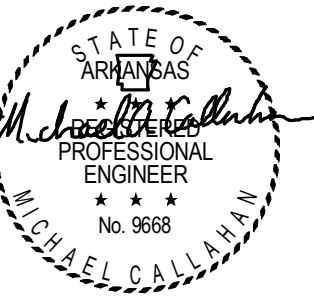
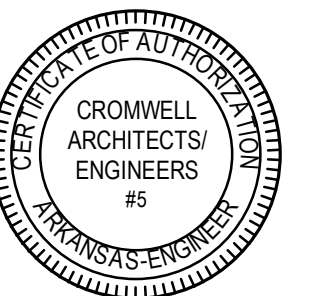
# CONSTRUCTION DOCUMENTS

## Revisions

No.	Date	Description
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Stamp —



07-31-2024

Notes —

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Project Number \_\_\_\_\_

2024-045

Issue Date \_\_\_\_\_

07-31-2024

**SERVICE GEN. NOTES**

**SERVICE GEN. NOTES**

STRUCT. GEN. NOTES

CONT'D AND COMP

CONT'D AND CONT.  
AND CLADDING WIND

## AND CLADDING WIND

## PRESSURES

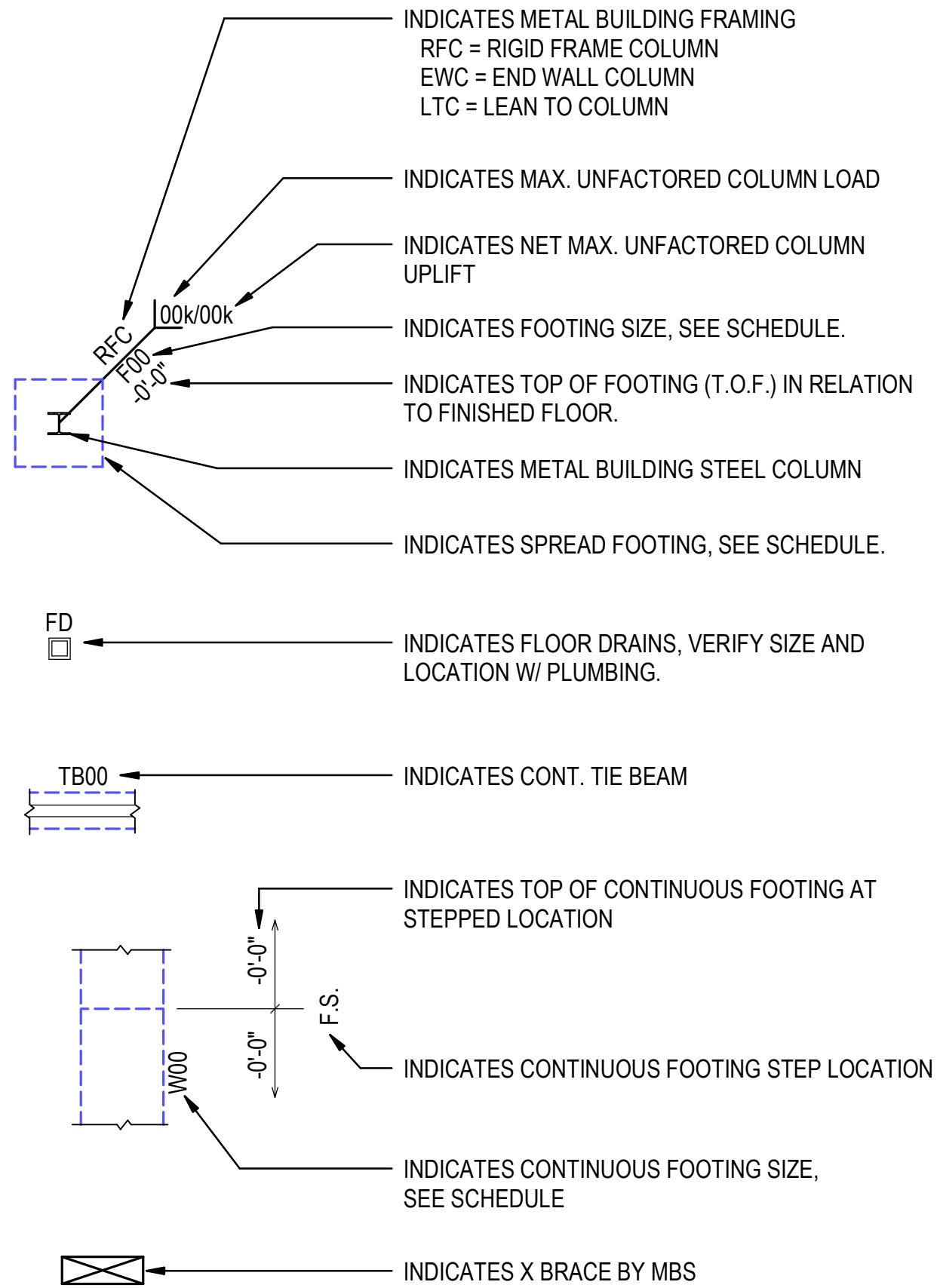
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Sheet Number:

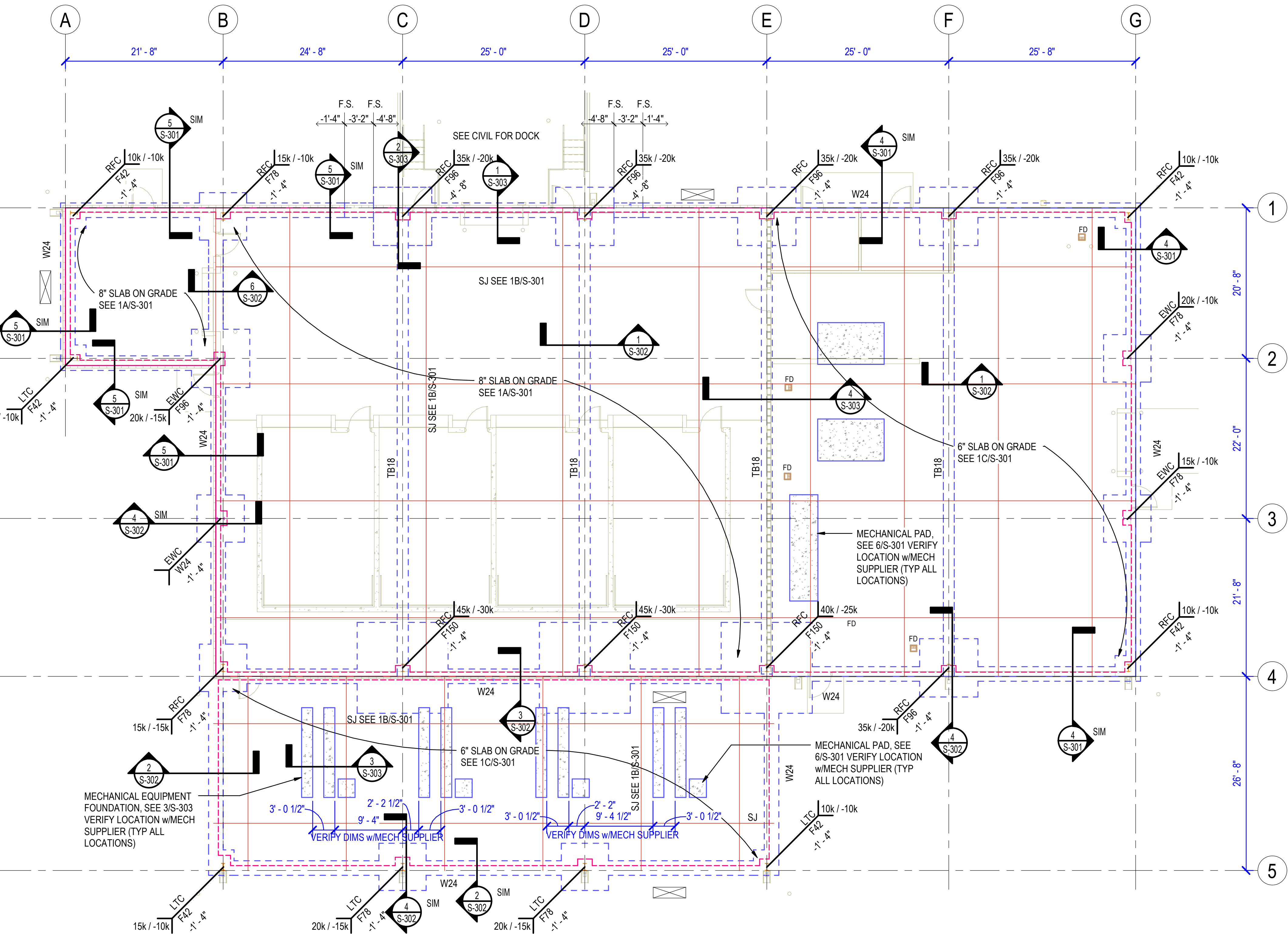
**S-002**



FOUNDATION AND SLAB LEGEND



FOUNDATION SCHEDULE				
MARK #	L	W	T	REINFORCING
F42	3' - 6"	3' - 6"	2' - 0"	#5 AT 9" O.C. EA WAY, TOP AND BOT
F78	6' - 6"	6' - 6"	2' - 0"	#5 AT 9" O.C. EA WAY, TOP AND BOT
F96	8' - 0"	8' - 0"	2' - 0"	#5 AT 9" O.C. EA WAY, TOP AND BOT
F150	12' - 6"	12' - 6"	2' - 0"	#5 AT 9" O.C. EA WAY, TOP AND BOT
TB18	CONT.	1' - 6"	1' - 0"	SEE DETAIL 1/S-302
W24	CONT.	2' - 0"	1' - 4"	SEE DETAIL 4/S-301



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

F.F.E ELEV = 0'-0" = SITE ELEV = 151.00'

Project

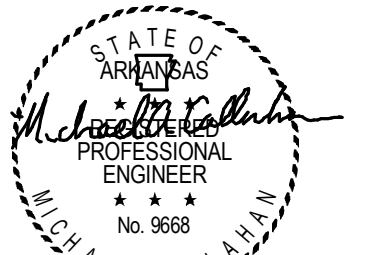
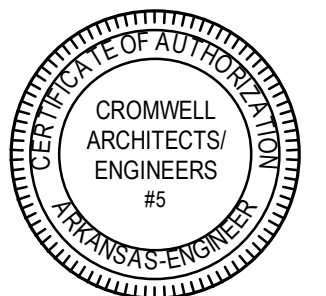
AEROJET BUILDING 66B  
CURE OVEN BUILDING  
EAST CAMDEN,  
ARKANSAS

Design Phase

CONSTRUCTION  
DOCUMENTS

Revisions		
No.	Date	Description

Stamp



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Project Number

2024-045

Issue Date

07-31-2024

Sheet Title

FOUNDATION AND  
SLAB PLAN

Sheet Number

S-101

Project

AEROJET BUILDING 66B  
CURE OVEN BUILDING  
EAST CAMDEN,  
ARKANSAS

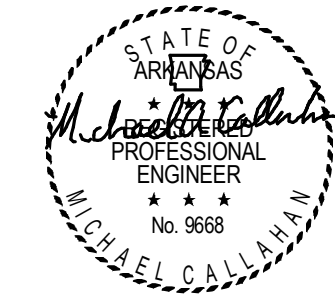
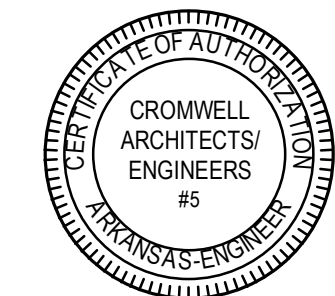
Design Phase

CONSTRUCTION  
DOCUMENTS

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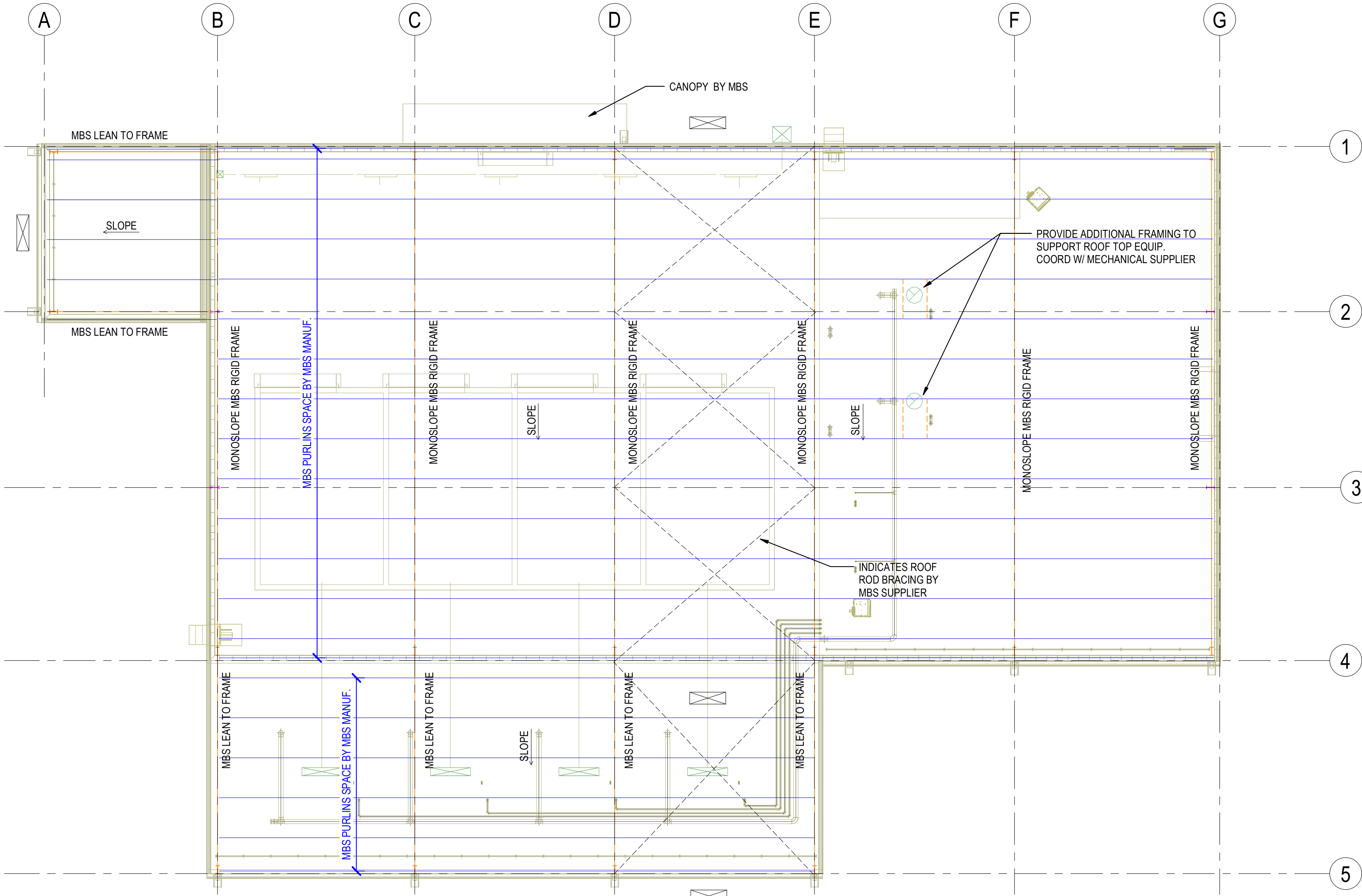
07-31-2024

Sheet Title

ROOF FRAMING PLAN

Sheet Number

S-102



1 ROOF FRAMING PLAN

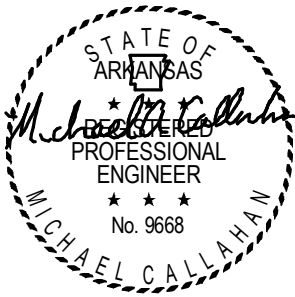
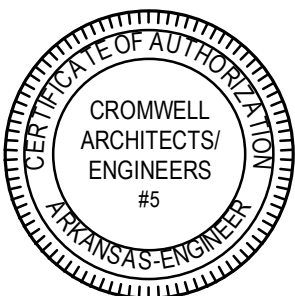
1/8" = 1'-0"



AEROJET BUILDING 66B  
CURE OVEN BUILDING  
EAST CAMDEN,  
ARKANSAS

CONSTRUCTION  
DOCUMENTS

No.	Date	Description



07-31-2024

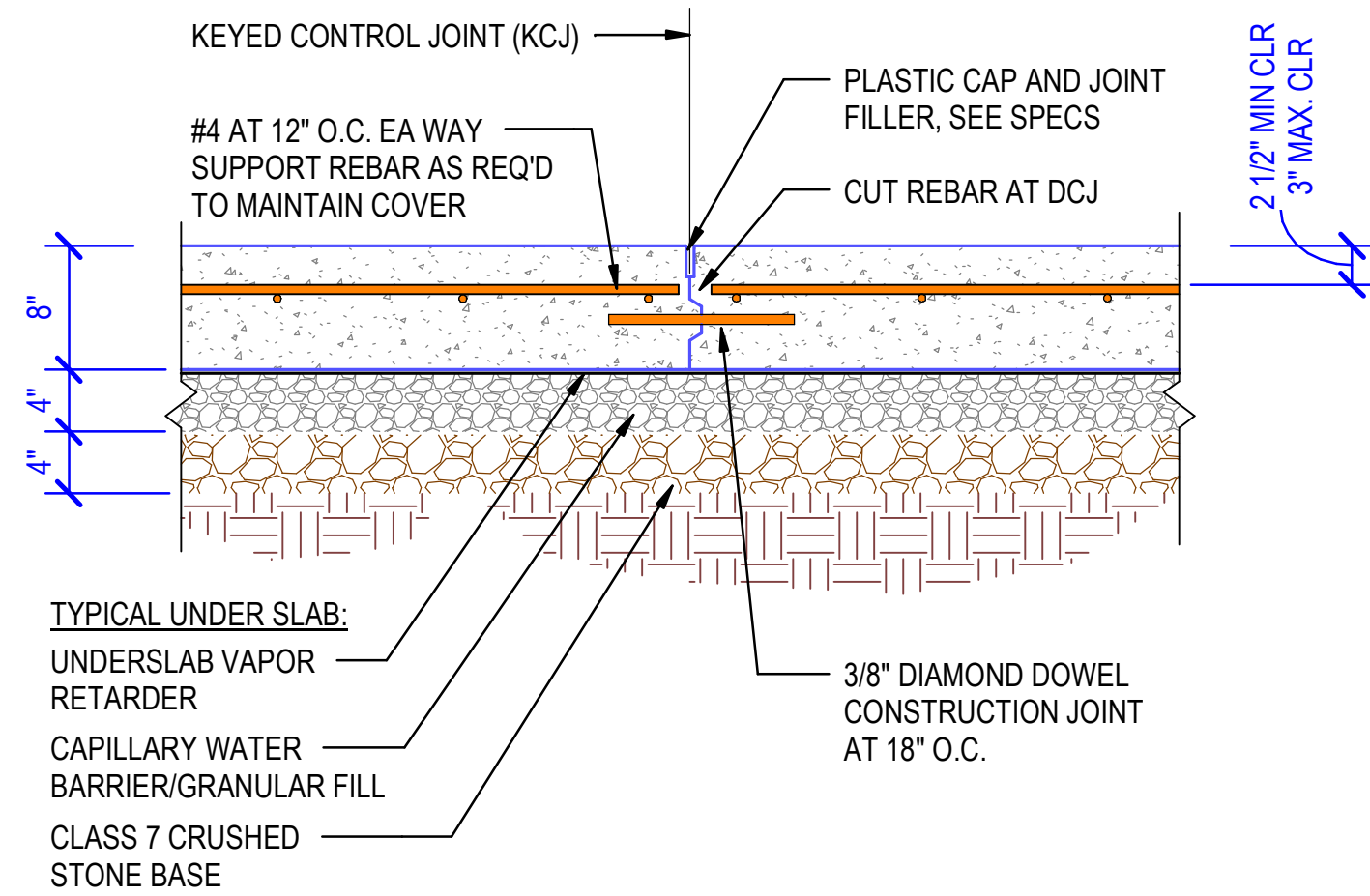
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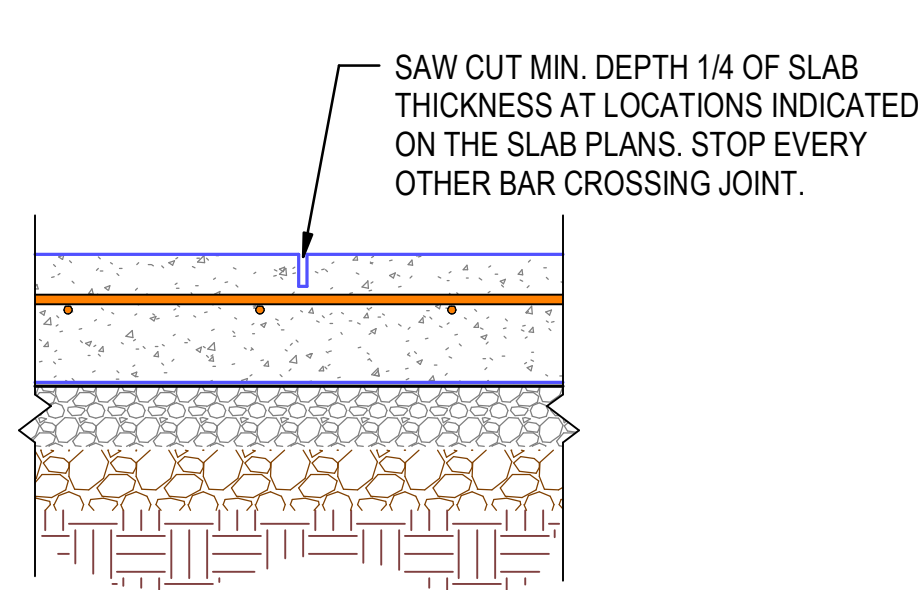
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TYPICAL FOUNDATION  
AND SLAB DETAILS

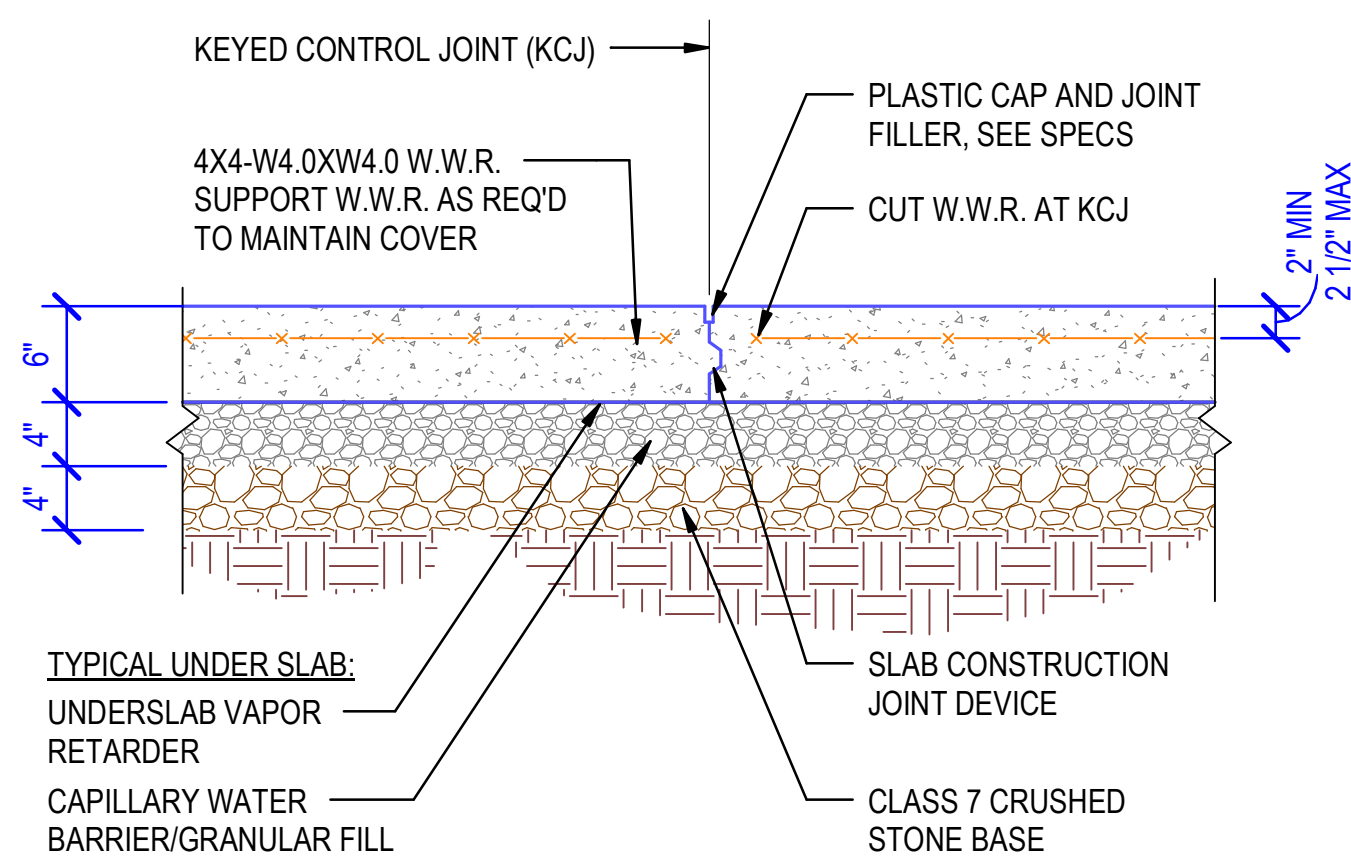
S-301



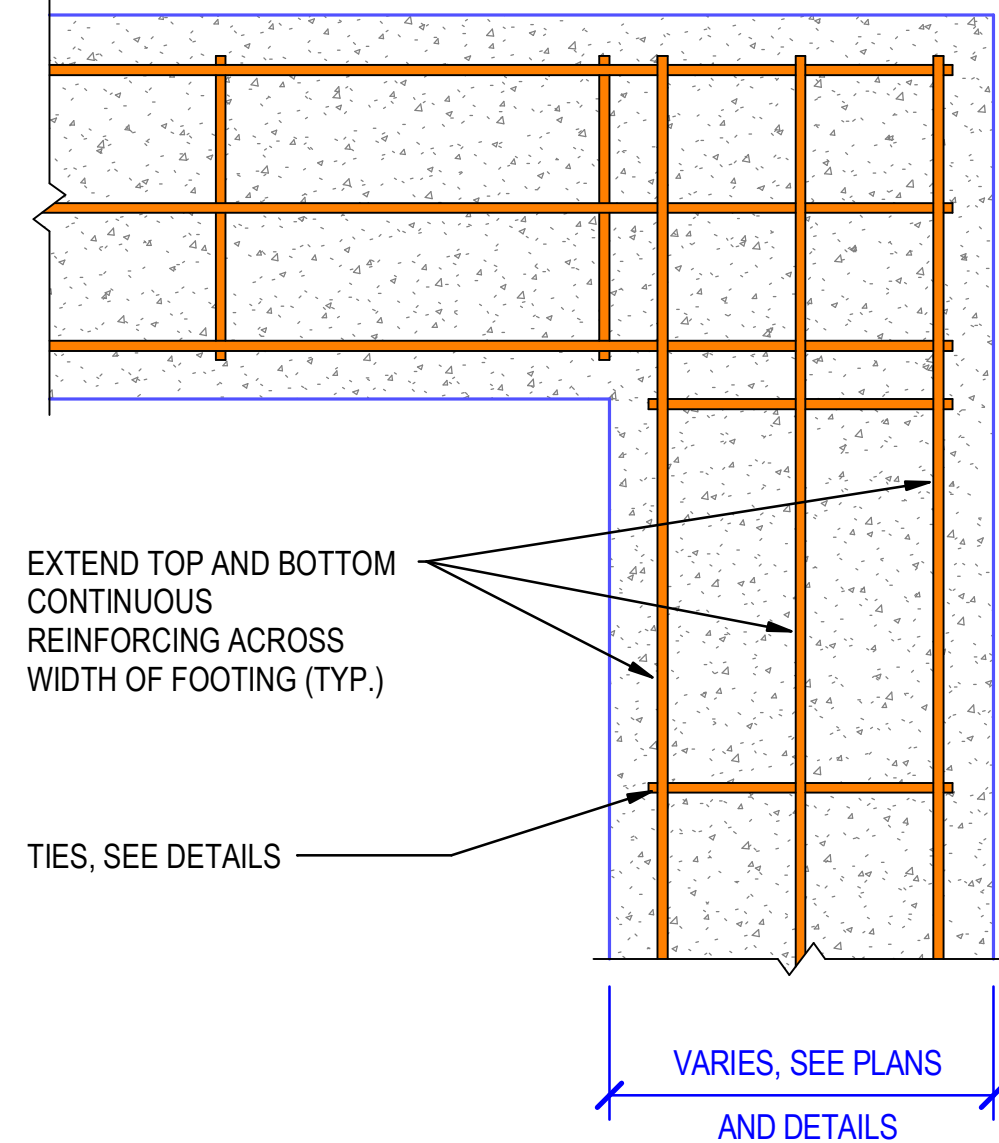
A DCJ (Doweled Control Joint) at 8" slab on grade



B SAWN JOINT (SJ) TYP

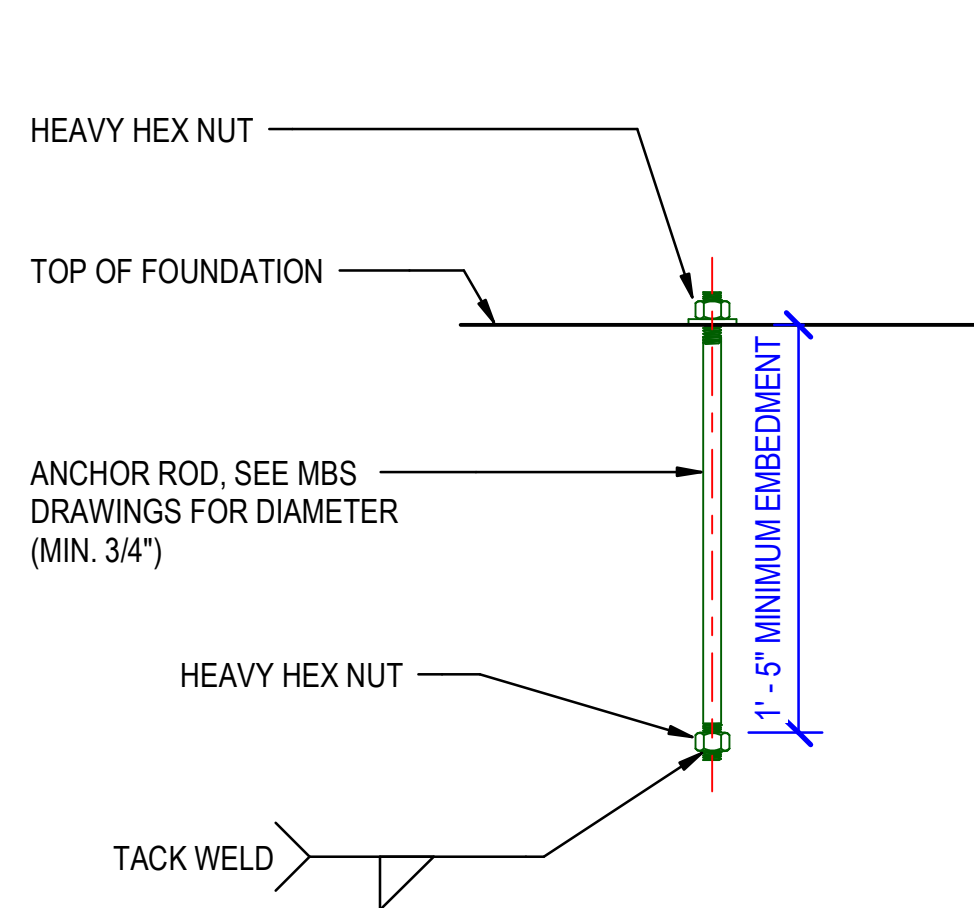


C 6" slab on grade

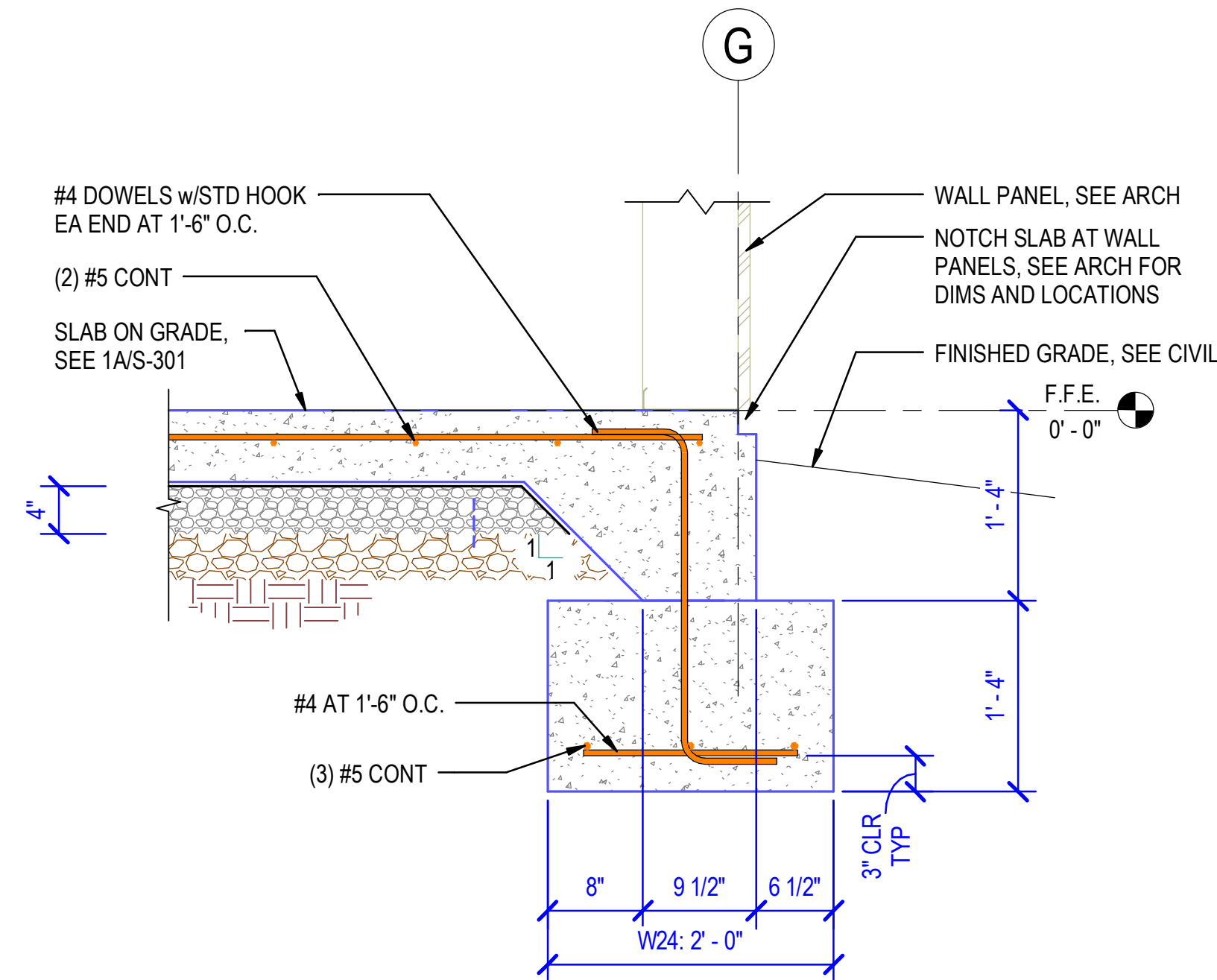


2 TYP CONT. FOOTING REINF. AT CORNERS  
NOT TO SCALE

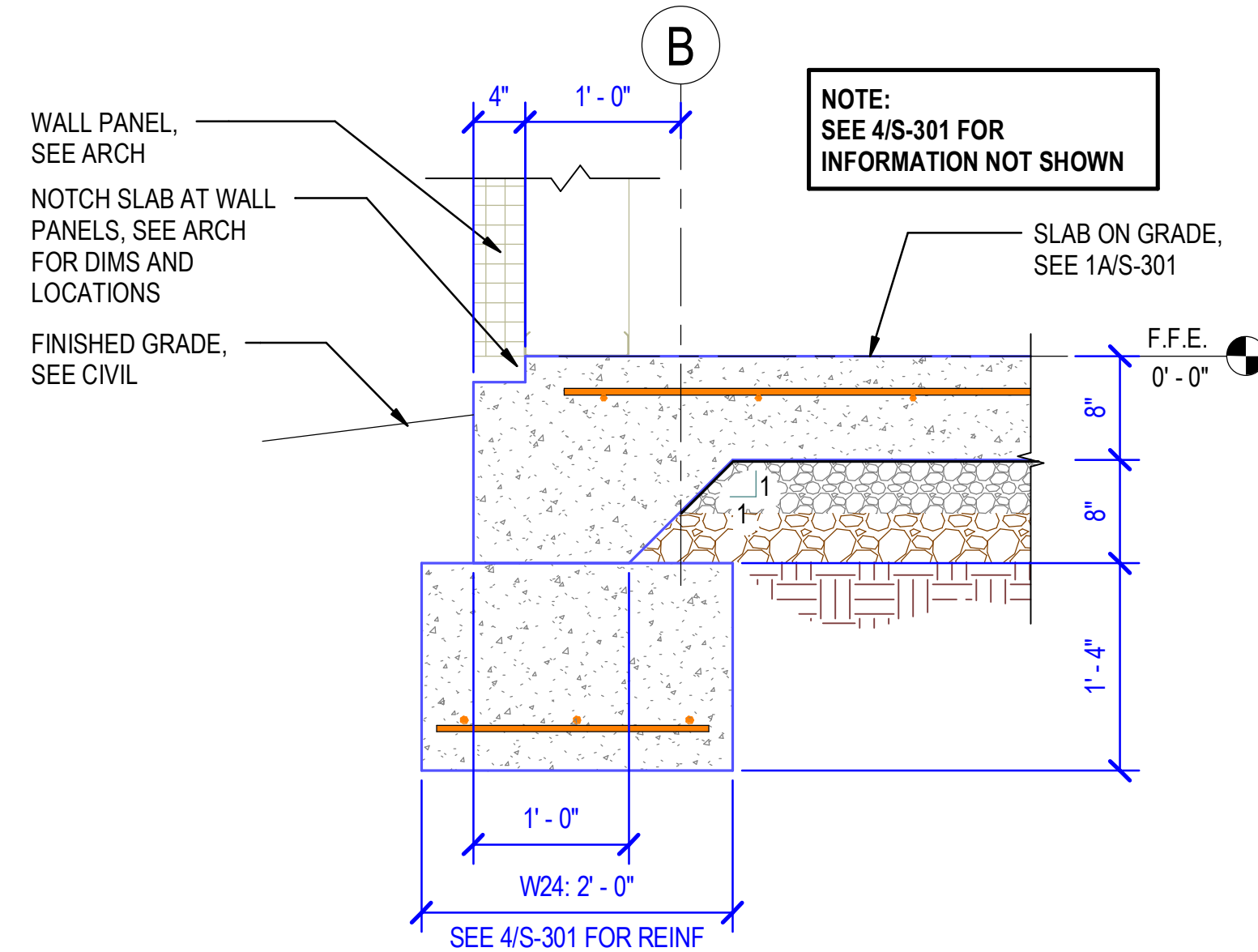
1 SLAB ON GRADE REINFORCING AND JOINT DETAILS  
NOT TO SCALE



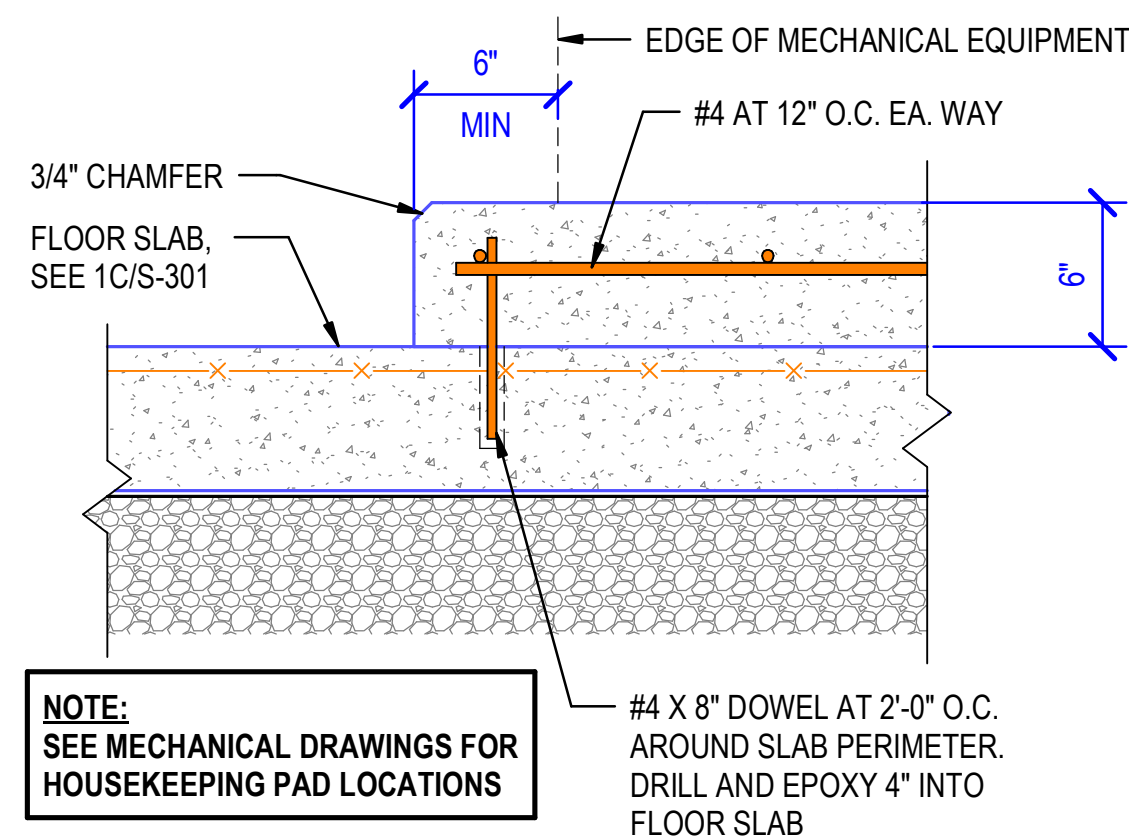
3 ANCHOR ROD DETAIL  
NOT TO SCALE



4 TYPICAL SLAB EDGE AT PANEL  
1" = 1'-0"



5 TYPICAL SLAB EDGE AT INSULATED PANEL  
1" = 1'-0"



6 TYPICAL MECHANICAL HOUSEKEEPING SLAB  
NOT TO SCALE



Project

AEROJET BUILDING 66B  
CURE OVEN BUILDING  
EAST CAMDEN,  
ARKANSAS

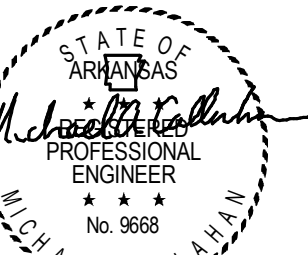
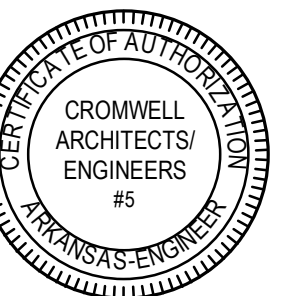
Design Phase

CONSTRUCTION  
DOCUMENTS

Revisions

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07-31-2024

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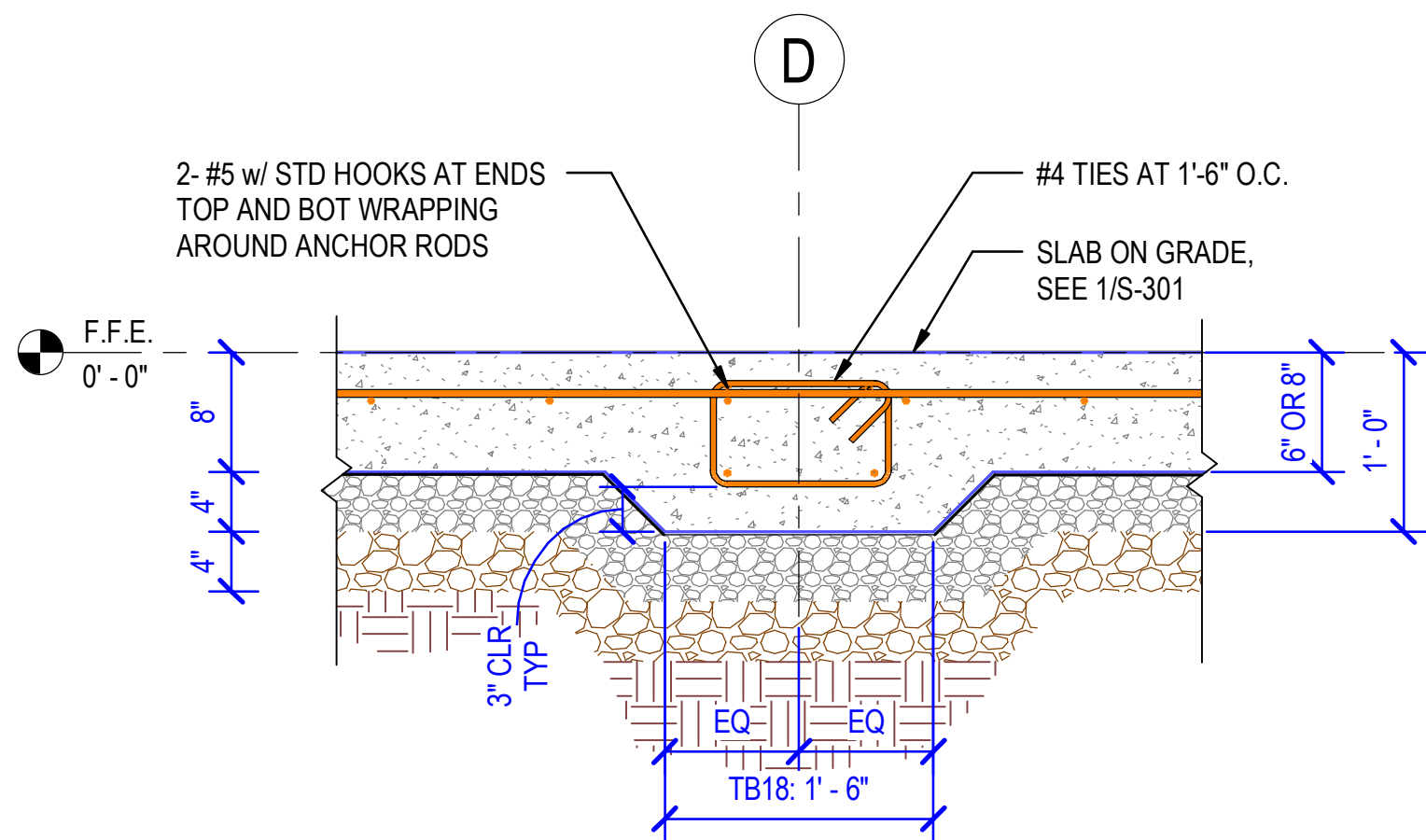
Issue Date 07-31-2024

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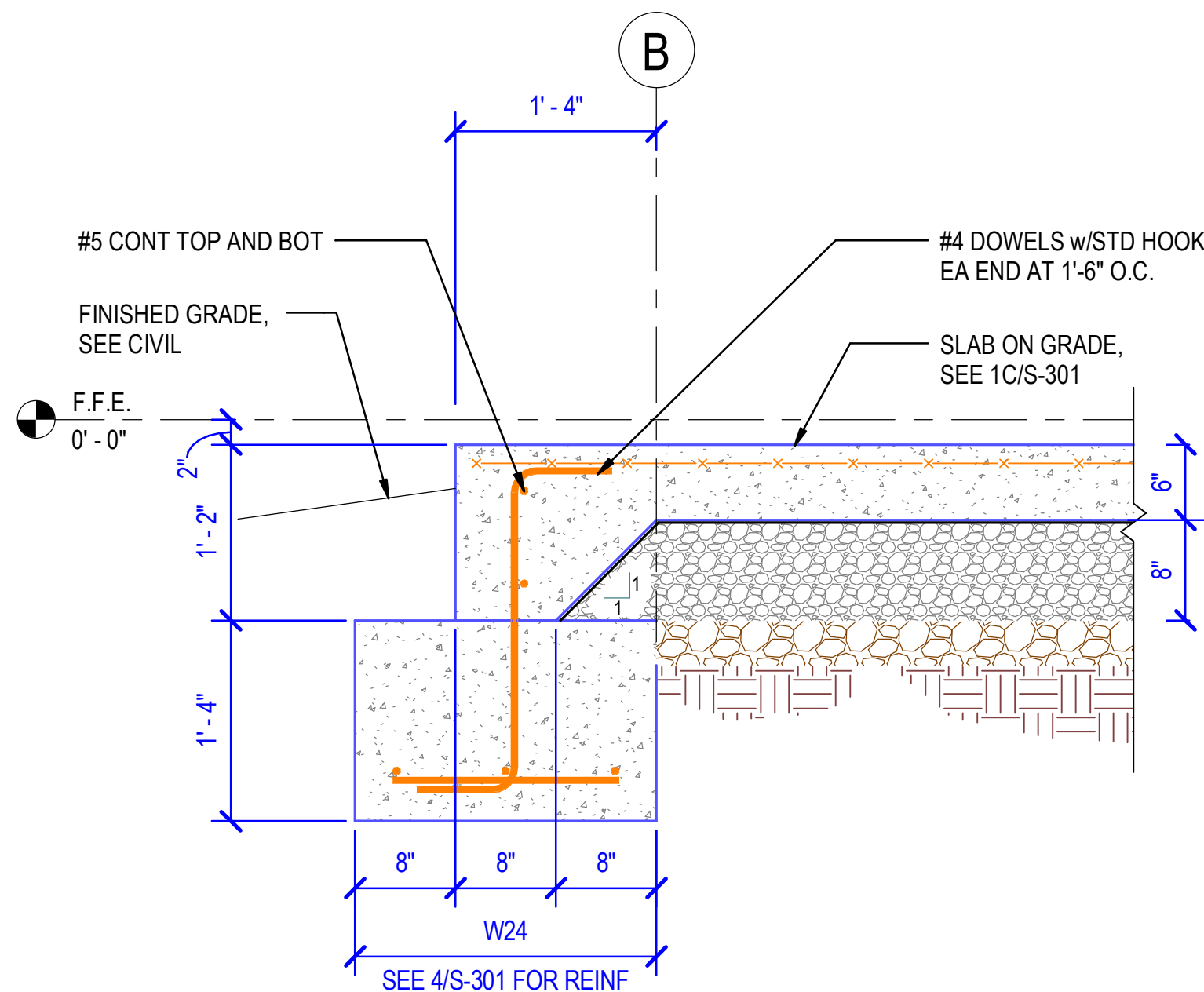
FOUNDATION AND  
SLAB DETAILS

Sheet Number

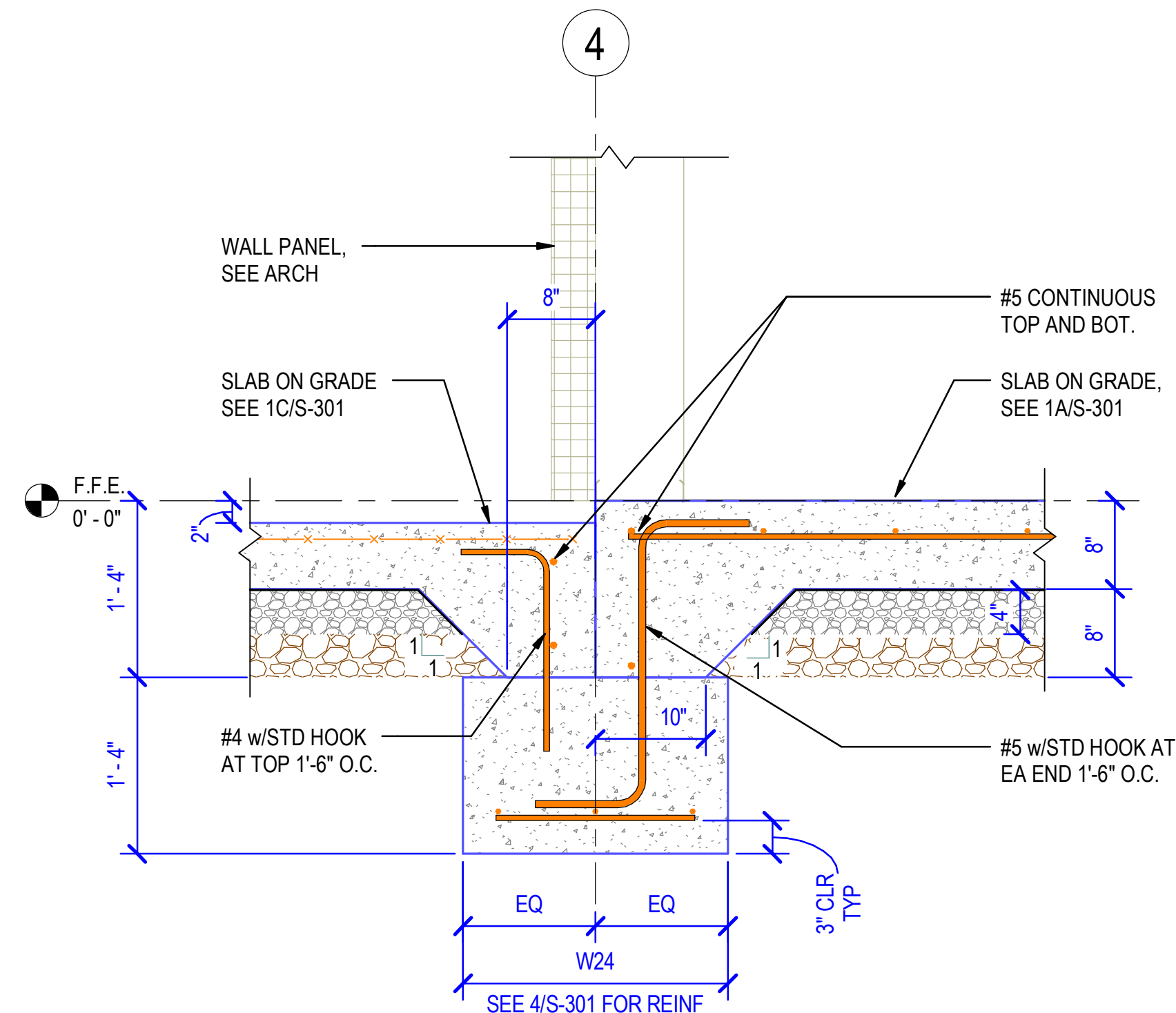
S-302



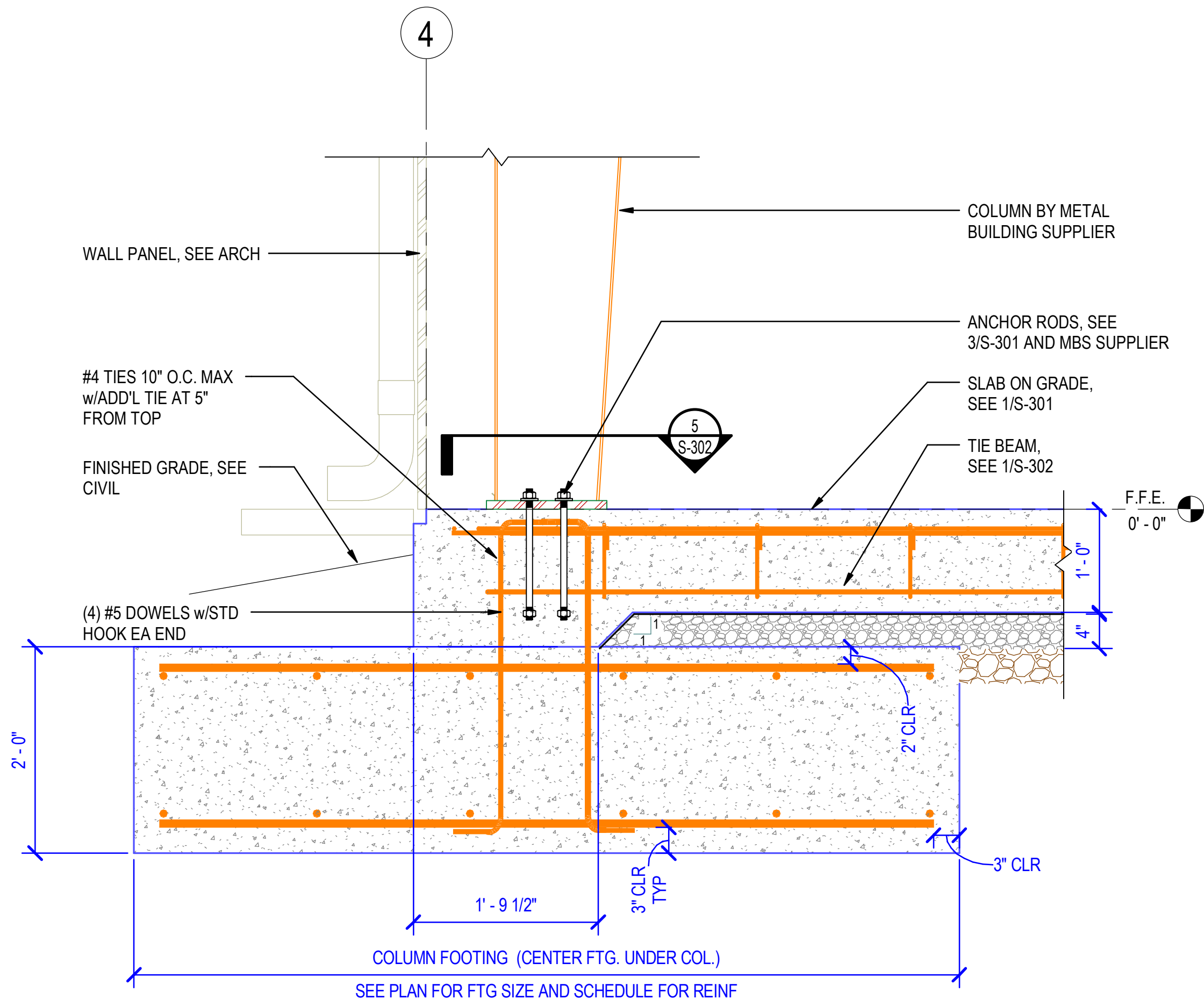
1 SECTION AT TIE BEAM TB18  
1" = 1'-0"



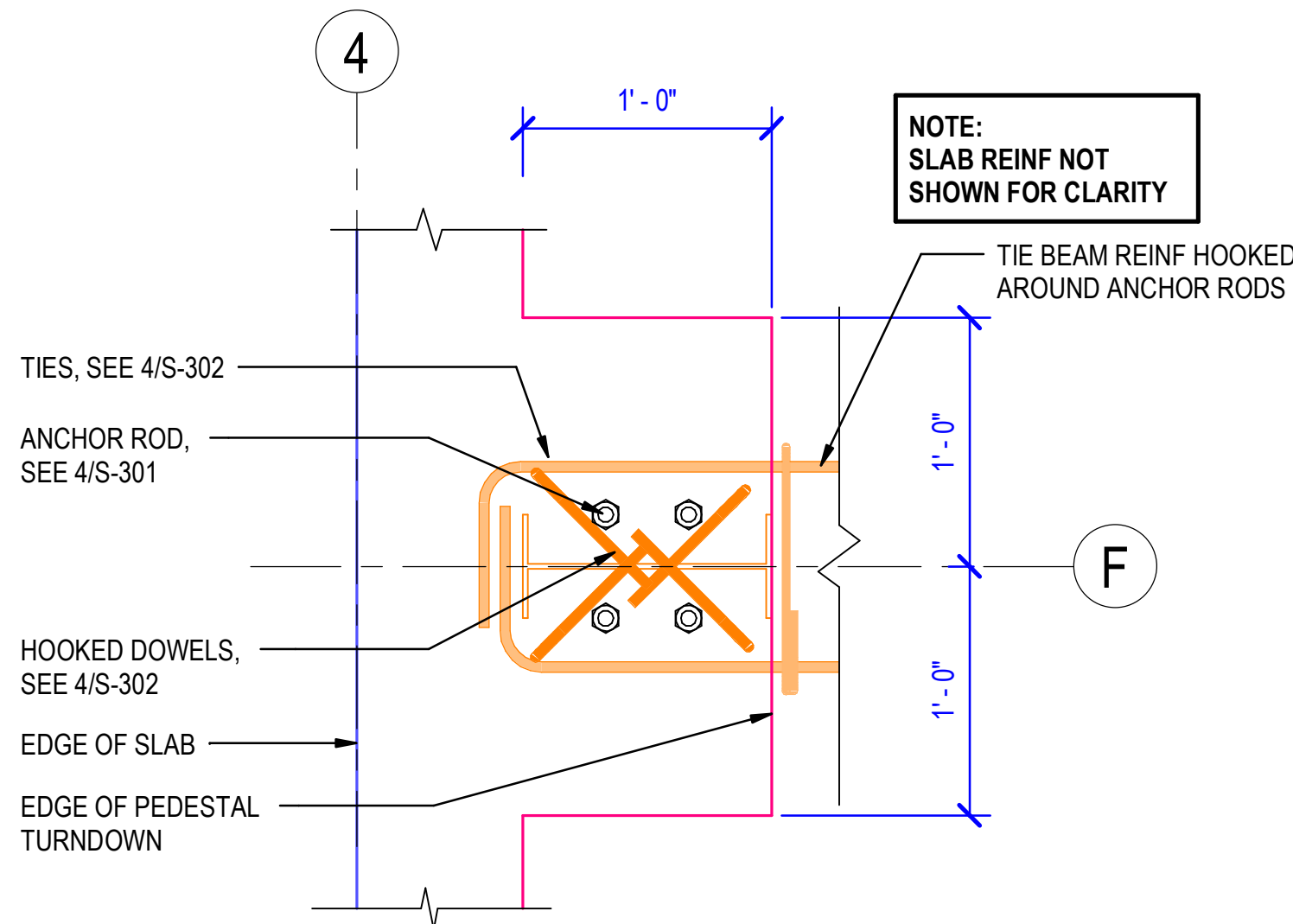
2 CANOPY TURNDOWN AT SLAB EDGE  
1" = 1'-0"



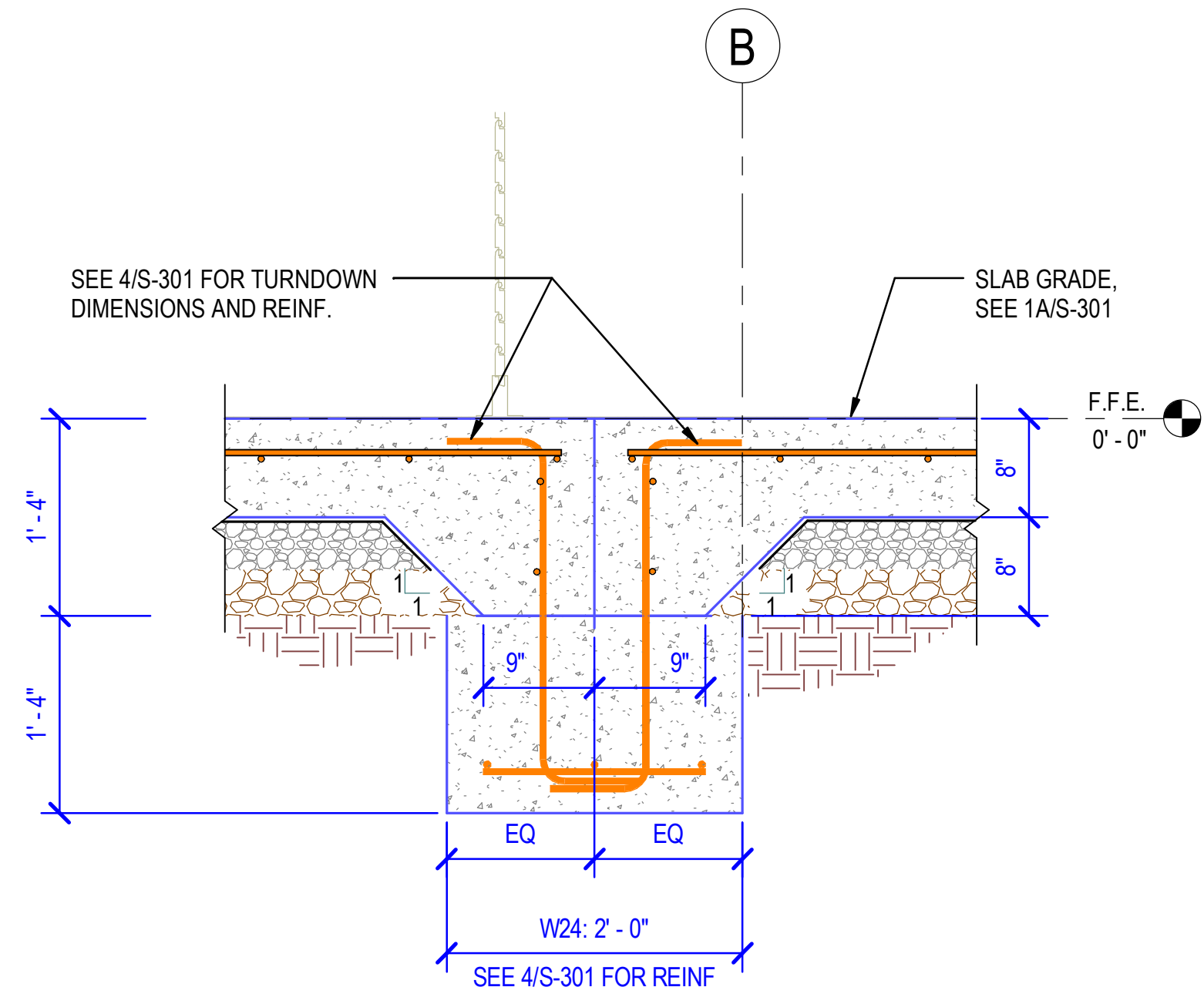
3 TURNDOWNS AT SLAB TRANSITION  
1" = 1'-0"



4 TYPICAL SECTION AT COLUMN PEDESTAL  
1" = 1'-0"



5 ENLARGED PLAN AT PEDESTAL REINF.  
1 1/2" = 1'-0"



6 TURNDOWN AT TUGGER ROOM TRANSITION  
1" = 1'-0"



