

CONTRACTOR SHALL COORDINATE ALL PIPING THAT MUST BE EMBEDDED IN OR PASS THROUGH THE GRADE BEAMS AND, FOR PIPES 4" & LARGER, SUBMIT RFI TO DESIGN TEAM CLEARLY INDICATING DESIRED SIZES, LOCATION AND ELEVATIONS AND REQUESTING ACCEPTANCE PRIOR TO INSTALLING THE PIPES. THE FOLLOWING ACCEPTANCE CRITERIA SHALL BE FOLLOWED:

1. MAX SLEEVE & PIPE SIZE SHALL BE 8".
2. MIN SPACING SHALL BE FOUR PIPE DIAMETERS (MEASURED CENTER TO CENTER).
3. MIN DISTANCE FROM COL ϕ TO PIPE ϕ SHALL BE 3'-0".
4. NO REBAR SHALL BE CUT.

CONTRACTOR SHALL SUBMIT PROPOSED CONSTRUCTION JOINT (CJ) LOCATIONS TO ARCHITECT & STRUCTURAL ENGINEER FOR REVIEW.

SEE ARCHITECTURAL & ELECTRICAL DWGS FOR FLOOR BOX INFORMATION

HANGAR SLAB SCHEDULE				
MINIMUM SUBGRADE MODULUS (PCF)	DESIGN BASIS	SLAB THICKNESS	SLAB REINFORCING	FLOOR SURFACE TOLERANCE
100	BOEING T37-800	16"	#6 @ 9" EN, TOP & BOT	MINIMUM OVERALL VALUE = FF50/FL30; MINIMUM LOCAL VALUE = FF40/FL25 (LOCAL VALUE SHALL BE BASED ON COLUMN BAY SIZE)

IMPORTANT NOTES:

1. SEE GEOTECH REPORT FOR CTB SUB-GRADE PREPARATION NECESSARY TO PROVIDE THE LISTED SUBGRADE MODULUS REQUIRED.
2. SEE DIV 7 SPECS FOR UNDERSLAB VAPOR BARRIER.
3. SEE SPECS FOR FLOOR FINISH.
4. SHOULD FLOOR SLAB REQUIRE SHOT BLASTING TO PREPARE THE SLAB TO RECEIVE THE FINISH, A ROLLER BUG (OR SIMILAR DEVICE) SHALL BE USED TO DEPRESS THE FIBERS BELOW THE DEPTH OF THE SHOT BLASTING.

PRE-ENGINEERED METAL BUILDING DESIGN BASIS												
LIVE LOAD			COLLATERAL LOAD		DEFLECTION			WIND		BUILDING CODE		
SNOW LOAD	PURLINS	FRAMES	UNIFORM	CONCENTRATED	HORIZONTAL (DRIFT)	HORIZONTAL (WALL GIRTS SUPPORTING METAL SIDING)	HORIZONTAL (WALL SIDING)	TOTAL LOAD	DEAD LOAD			
30 PSF (GROUND) F _s = 26 PSF F _m = 20 PSF C _s = 1.0 I _p = 1.0	20 PSF (NON-REDUCIBLE)	20 PSF (REDUCIBLE)	8 PSF (HANGAR AREAS)	SEE MECH DWGS FOR ROOF TOP EQUIPMENT	H/100 (MTL PANEL WALLS)	L/180	L/240	L/240 (PURLINS & ROOF PANELS)	+/- 3" (SEE NOTES 2 & 5)	3" UP / 6" DOWN (SEE NOTE 5)	ULTIMATE WIND VELOCITY: 115 MPH RISK CATEGORY: II EXPOSURE: C INTERNAL PRESSURE COEFFICIENT: +/- 0.18 (ENCLOSED)	REFERENCE NOTE D1 ON SHEET S001

NOTES:

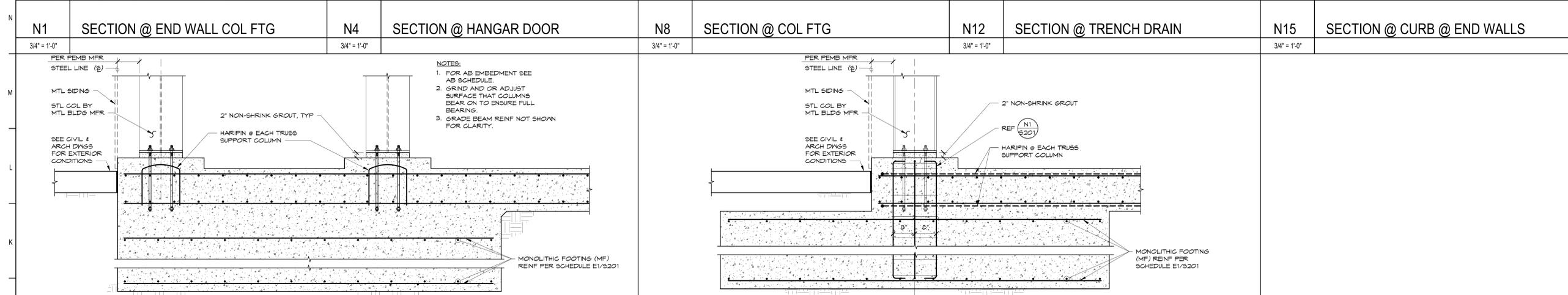
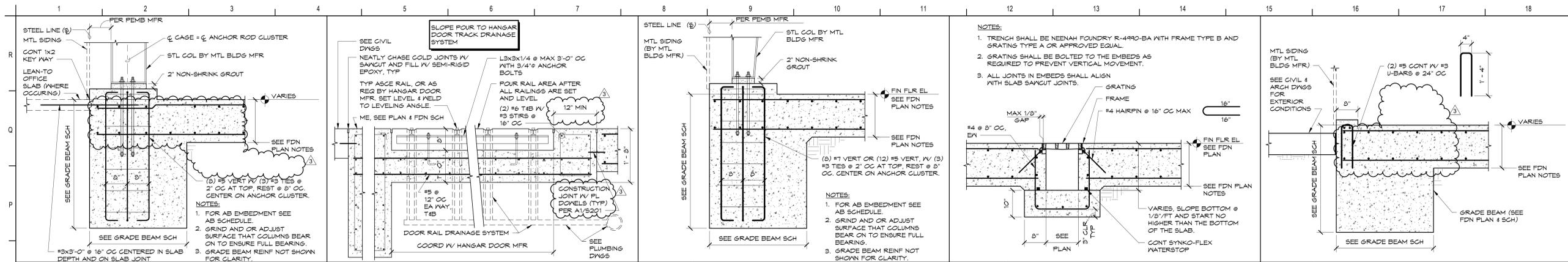
1. PEMB MFR MUST SUBMIT SIGNED & SEALED CALCULATIONS.
2. CONTROL DEAD LOAD DEFLECTION OF TRUSS WITH CAMBER.
3. SEE SPECIFICATION SECTION 01 23 00 FOR BID ALTERNATES.
4. SEE ARCH DWGS FOR FALL PROTECTION THAT SHALL BE SUSPENDED FROM THE ROOF. PROVIDE ALL NECESSARY DESIGN & SUPPORTS FULLY COORDINATED WITH THE FALL PROTECTION SYSTEM MFR. SNAY BRACING SHALL BE PROVIDED AS WELL.
5. TRUSS DEFLECTIONS SHALL BE COORDINATED WITH DOOR MFR.
6. SEE MECH DWGS FOR 5001B FAN LOCATIONS. PROVIDE ALL NECESSARY DESIGN & SUPPORTS.

PRE-ENGINEERED METAL BUILDING ANCHOR ROD SCHEDULE		
DIAMETER "D"	MIN. EMBEDMENT "E"	PROJECTION "P" (AS REQ'D)
5/8"	8"	T/ CONC
3/4"	11"	
7/8"	12"	
1"	16"	
1 1/8"	18"	
1 1/4"	32"	
1 1/2"	36"	

NOTES:

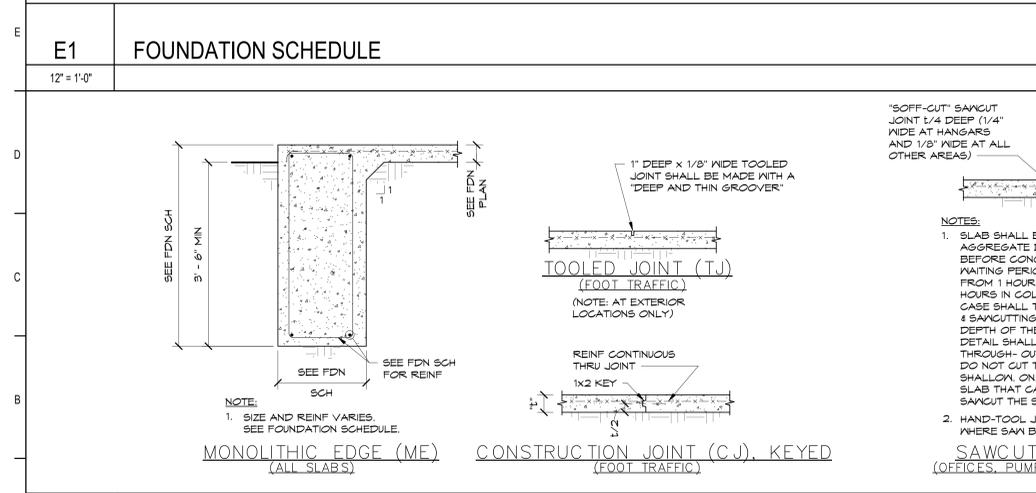
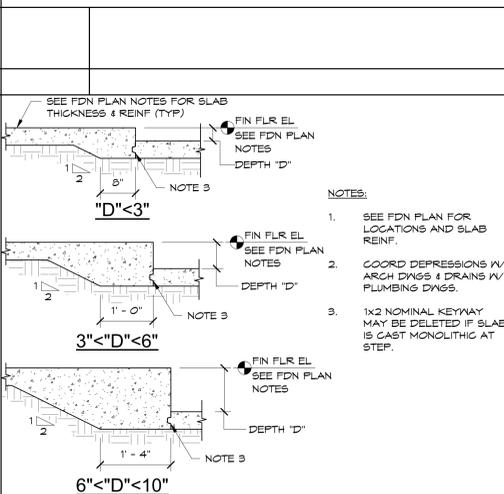
1. SEE GEN NOTES FOR ADD'L ANCHOR ROD INFO.
2. DEVELOPS FULL TENSILE CAPACITY OF SINGLE ROD WITHOUT EDGE DISTANCE OR GROUPING REDUCTIONS.
3. IT SHALL BE ACCEPTABLE TO PROVIDE A HEAVY HEX HEAD BOLT IN LIEU OF THE THREADED ROD WITH HEAVY HEX NUT AT BOTTOM.

REVISIONS		
MARK	DESCRIPTION	DATE
3	BID RFI RESPONSES	08/12/2024



FOUNDATION SCHEDULE			
MARK	SIZE (L x W x D)	REINFORCING	REMARKS
MF300200	30'-0" x 20'-0" x 4'-0"	(32) #10 SN & (20) #10 LN TOP & BOT	MONOLITHIC FOOTING
MF400450	40'-0" x 45'-0" x 4'-6"	(40) #10 SN & (45) #10 LN TOP & BOT	MONOLITHIC FOOTING
ME20	CONT x 2'-0" x 4'-0"	(3) #5 CONT, TOP & BOT	MONOLITHIC EDGE, ADD #5 @ 12" OC EF SKIN REINF

GRADE BEAM SCHEDULE					
MARK	TYPE	NOMINAL SIZE (W x D)	REINFORCING	STIRRUPS	COMMENTS
GB1	1	48" x 48"	(6) #8 BOT, (6) #8 MID, (6) #8 TOP	#5 12"	FOR MIDDLE REINF (2) #5 EF AT QUARTER POINTS
GB2	1	30" x 48"	(4) #8 BOT, (4) #8 MID, (4) #8 TOP	#5 12"	FOR MIDDLE REINF (2) #5 EF AT QUARTER POINTS
GB3	1	36" x 48"	(7) #8 BOT, (6) #8 MID, (7) #8 TOP	#5 10"	FOR MIDDLE REINF (2) #5 EF AT QUARTER POINTS
GB4	1	96" x 48"	(11) #8 BOT, (6) #8 MID, (11) #8 TOP	#5 10"	FOR MIDDLE REINF (2) #5 EF AT QUARTER POINTS



GRADE BEAM SCHEDULE		
MARK	TYPE	REINFORCING
GB1	1	(6) #8 BOT, (6) #8 MID, (6) #8 TOP
GB2	1	(4) #8 BOT, (4) #8 MID, (4) #8 TOP
GB3	1	(7) #8 BOT, (6) #8 MID, (7) #8 TOP
GB4	1	(11) #8 BOT, (6) #8 MID, (11) #8 TOP

PLATE DOWEL SCHEDULE		
SLAB THICKNESS (IN)	DOWELED SAWCUT JOINTS	DOWELED CONSTRUCTION JOINTS
9 TO 12	3/4" x 2 1/2" x 12" PLATE DOWEL @ 20" OC (PNA PD3 BASKET ASSEMBLY)	3/4" x 4 1/2" x 1/2" PLATE DOWEL @ 20" OC (PNA DIAMOND DOWEL)



REVISIONS		
MARK	DESCRIPTION	DATE
3	BID RFI RESPONSES	08/12/2024

SIGNATURE STEWART (SWF)
HANGAR

1188 1ST STREET, NEW WINDSOR, NY 12553

SIGNATURE FLIGHT SUPPORT
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Orlando, FL 32827

ISSUE DATE: 06/27/2024
COMM. NO.: 23715

DRAWN BY: NDM CHECKED BY: BE / AS

FOUNDATION SECTIONS & DETAILS

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