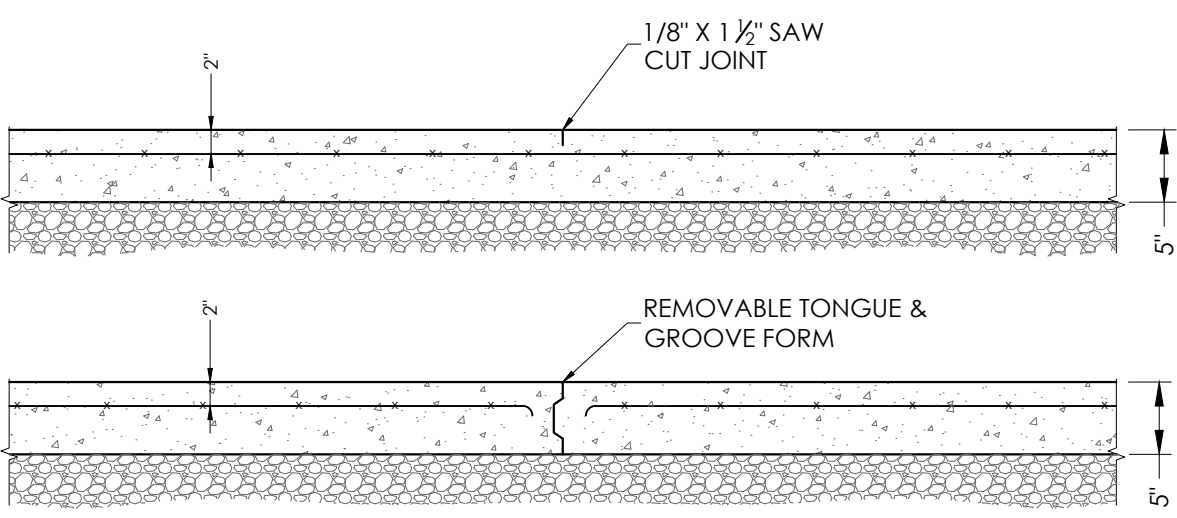


NOTE:
MAXIMUM JOINT SPACING SHALL BE 25 FT. IN EACH DIRECTION FOR 5" SLAB ON GRADE UNLESS NOTED OTHERWISE. CONTROL JOINTS SHALL NOT BE ALIGNED W/ COLUMN LOCATIONS IN A THICKENED SLAB DESIGN. CONTROL JOINTS SHOULD BE OFFSET FROM COLUMN LOCATIONS.



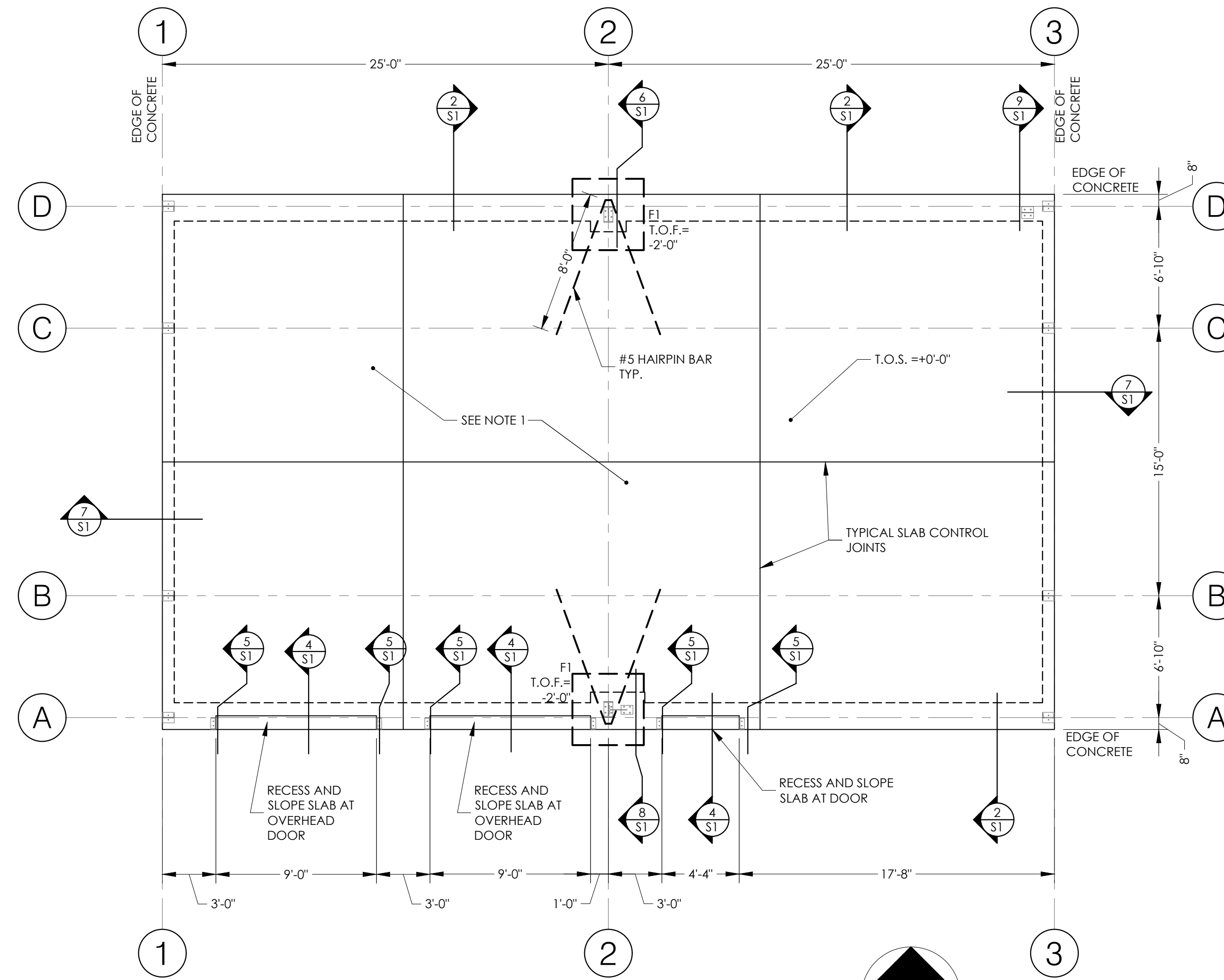
1 SLAB ON GRADE JOINTS
SCALE: NONE

FOOTING SCHEDULE		
TYPE	SIZE	REBAR
F1	4'-0"x4'-0"x1'-0" THICK SPREAD FOOTING	(4) #5 BARS (3'-6" LONG) E.W.(8 TOT)

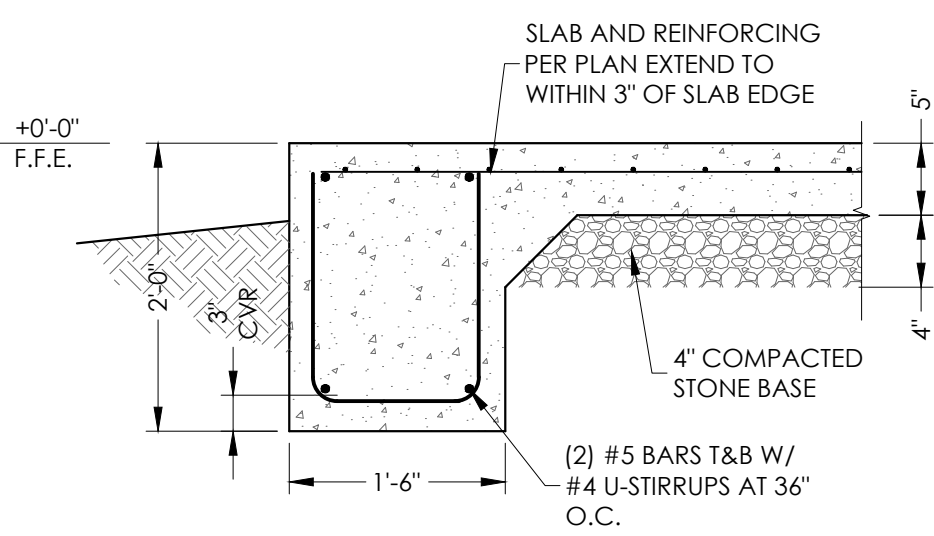
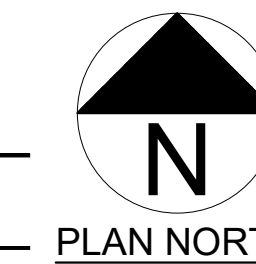
ANCHOR BOLT SCHEDULE		
TYPE	SIZE	NOTES
F1554 A36 HEADED ANCHORS	3/8"Ø AND 1/2"Ø	SEE DETAILS FOR EMBED DEPTH. SEE PEMB DRWGS FOR PROJECTIONS AND LAYOUTS

NOTES:

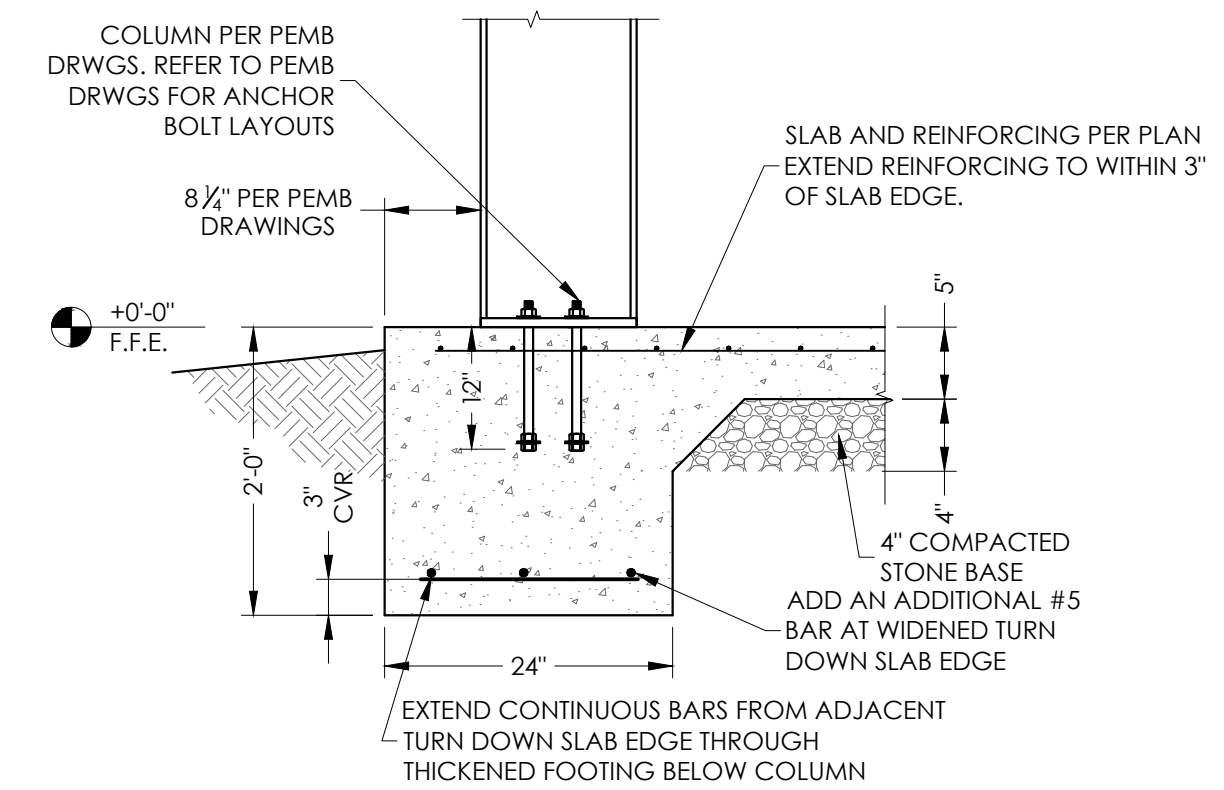
- PROVIDE 5" CONCRETE SLAB ON GRADE REINFORCED WITH WWF 4x4-W2.1xW2.1 OVER 6 MIL POLY VAPOR BARRIER OVER 4" COMPACTED STONE. SLAB ON GRADE SHALL HAVE A MINIMUM DESIGN STRENGTH OF $F_c = 4000$ PSI
- DIMENSIONS ARE COPIED FROM METAL BUILDING DRAWINGS. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN. ALL DIMENSIONS ARE EDGE OF CONCRETE OR CENTERLINE OF COLUMNS. REFER TO METAL BUILDING DRAWINGS FOR ANCHOR BOLT LOCATIONS AND ANCHOR BOLT PROJECTIONS. VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.
- SEE DETAIL 1/S1 FOR SLAB CONTROL JOINTS (C.J.)
- SEE FOOTING SCHEDULE FOR SIZES AND REINFORCING.
- PROVIDE DRAINAGE FOR EXPOSED EARTH SURROUNDED BY FOOTINGS UNTIL SLAB IS POURED.
- ALL ISOLATED FOOTINGS SHALL HAVE A MINIMUM DESIGN STRENGTH OF $F_c = 3000$ PSI.
- FOUNDATION DESIGN IS BASED ON BUILDING REACTIONS PROVIDED BY HERITAGE BUILDING SYSTEMS JOB #16-B-92135, DATED FEBRUARY 28, 2019.



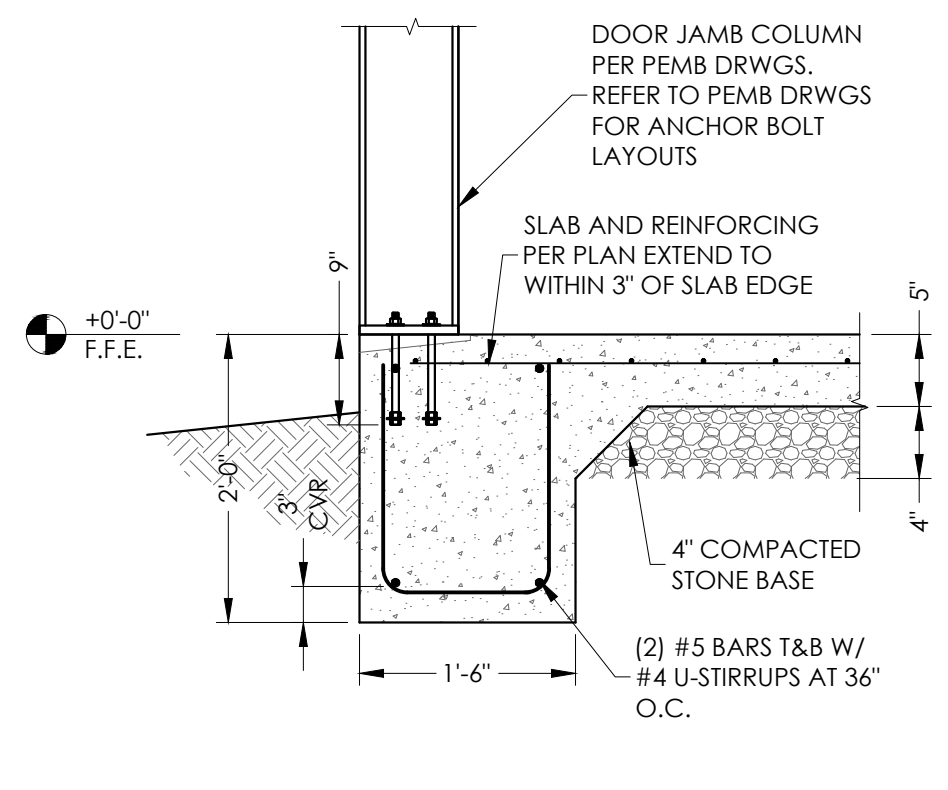
FOUNDATION PLAN
SCALE: 3/16"=1'-0"



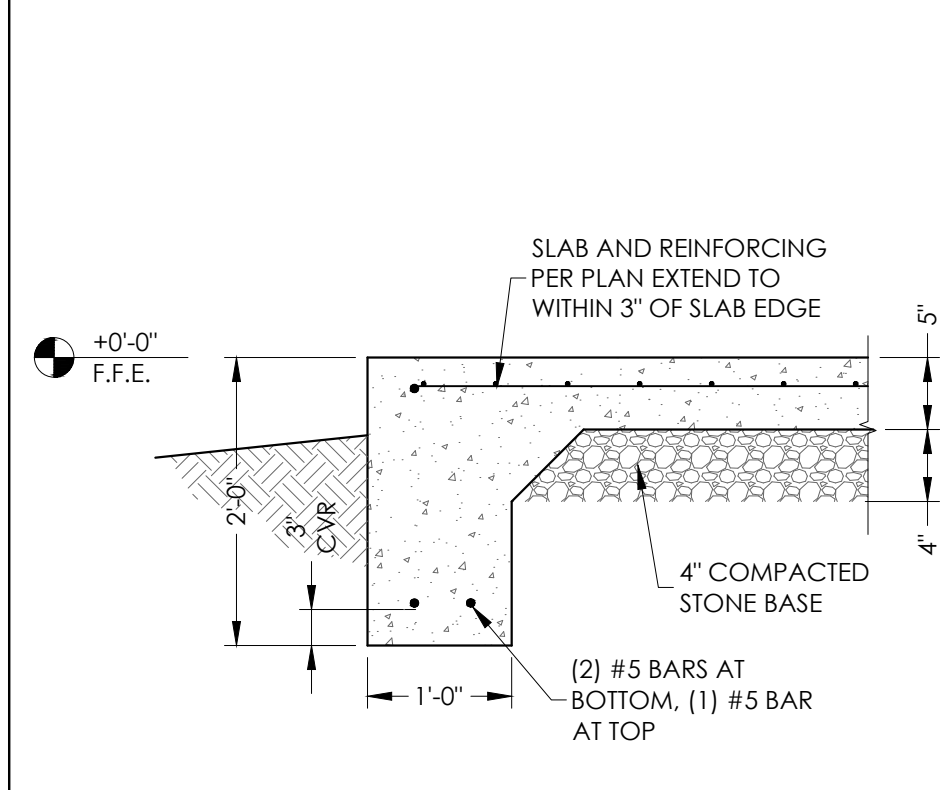
2 PERIMETER TURN DOWN SLAB
SCALE: NONE



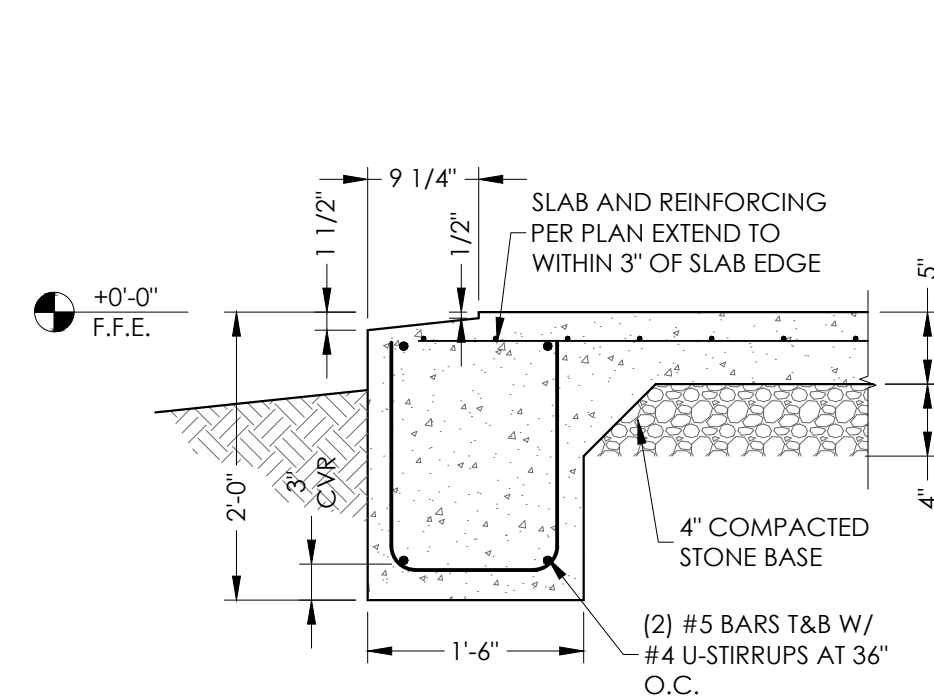
3 WIND COLUMN AT TURN DOWN SLAB
SCALE: NONE



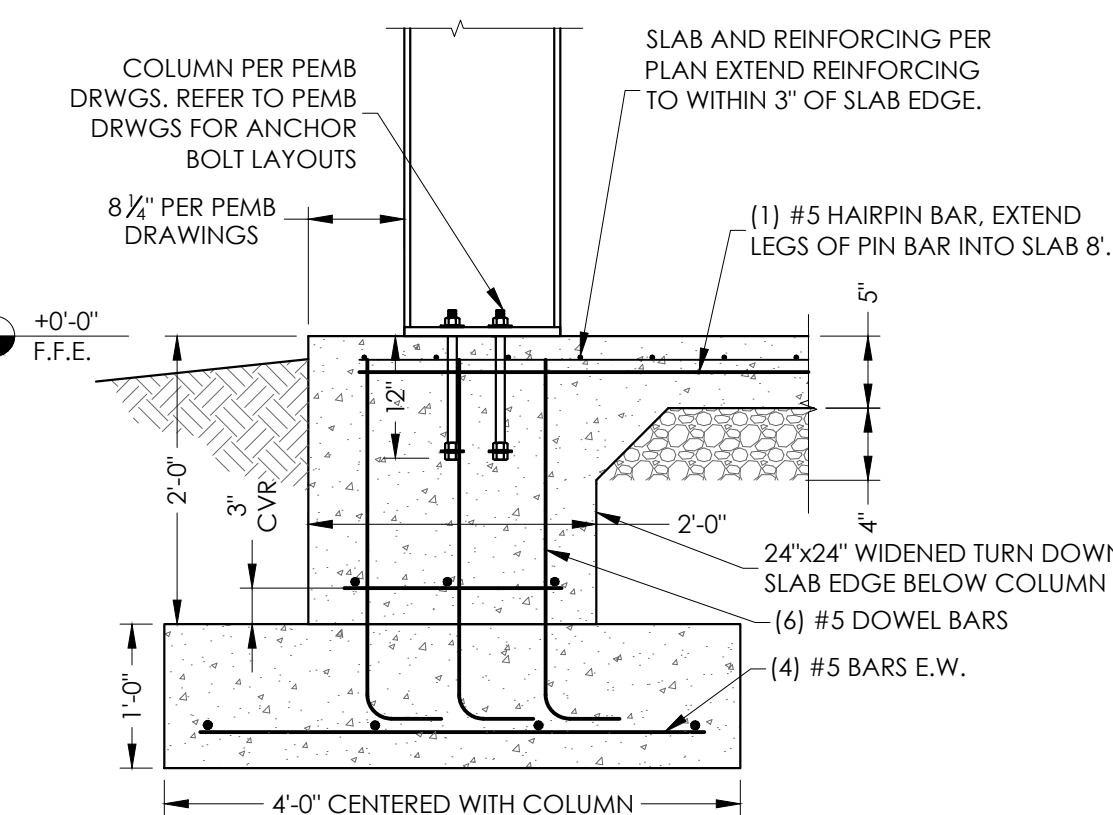
5 DOOR JAMB COLUMN
SCALE: NONE



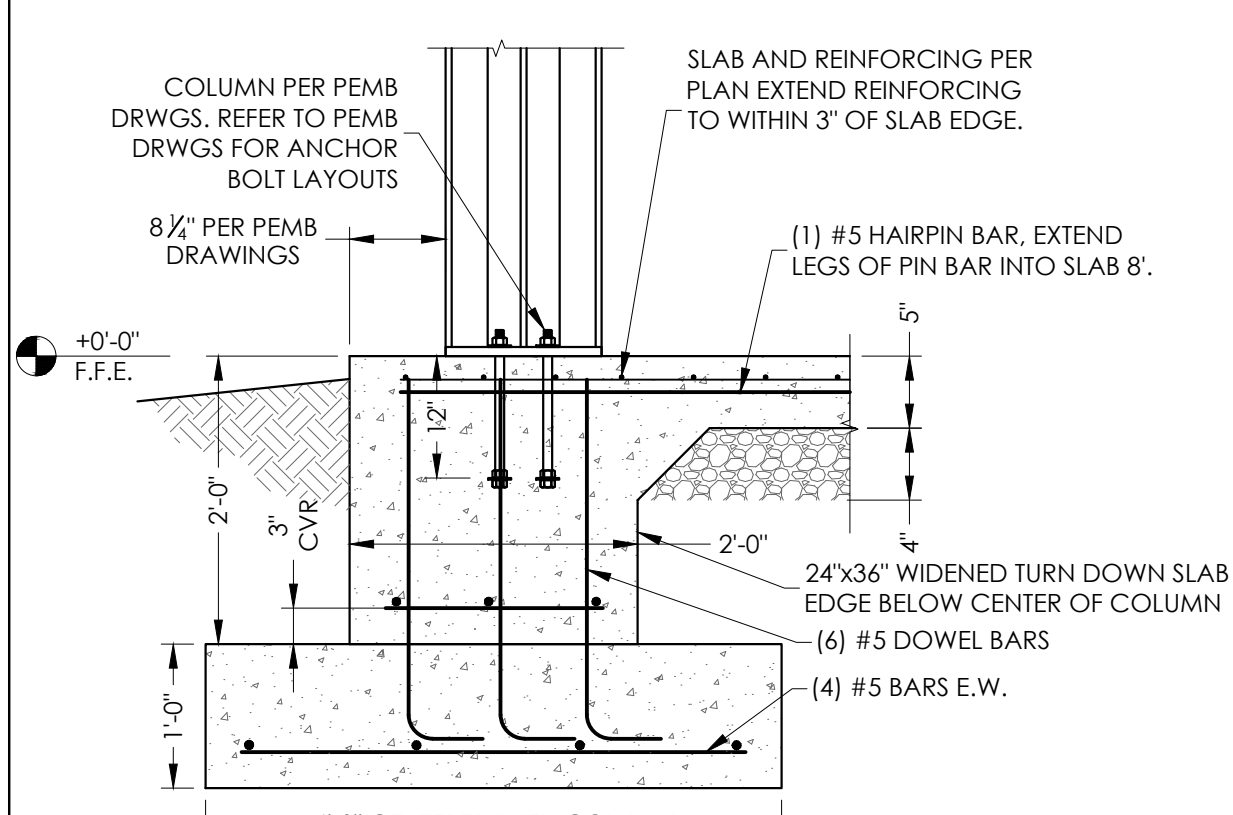
7 PERIMETER TURN DOWN SLAB
SCALE: NONE



4 SLAB RECESS AT OVERHEAD DOOR
SCALE: NONE



6 MAIN FRAME COLUMN AT ISOLATED FOOTING
SCALE: NONE



8 MAIN FRAME COLUMN GROUP AT ISOLATED FOOTING
SCALE: NONE

STANDARD STRUCTURAL ABBREVIATIONS			
B	BOTTOM	MFR(S) or MANUF	MANUFACTURER(S)
B+T	TOP AND BOTTOM	MIN	MINIMUM
CJ	CONTROL JOINT	OC	ON CENTER
CLR	CLEAR	PREFAB	PREFABRICATED
COL	COLUMN	PEMB	PRE-ENGINEERED METAL BUILDING
CVR	COVER	PSF	POUNDS PER SQUARE FOOT
CONC	CONCRETE	PSI	POUNDS PER SQUARE INCH
DIA	DIAMETER	REINF	REINFORCING
DIM	DIMENSION	SF	SQUARE FOOT (FEET)
DWGS	DRAWING(S)	SIM	SIMILAR
EA	EACH	TOF	TOP OF FOOTING
FFE	FINISH FLOOR ELEVATION	TOS	TOP OF SLAB
FTG	FOOTING	TYP	TYPICAL
		UNO	UNLESS NOTED OTHERWISE
		VERT	VERTICAL
		WWF	WELDED WIRE REINFORCEMENT

DESIGN AND CODE INFORMATION:

- BUILDING CODES AND STANDARDS
2018 NORTH CAROLINA BUILDING CODE
ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS (ACI 318)
- VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER OF ANY CONDITIONS WHICH DO NOT COMPLY WITH PLANS AND SPECIFICATIONS. STRUCTURAL DRAWINGS MUST BE WORKED WITH ARCHITECTURAL DWGS.
- THE DESIGN ADEQUACY, SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE FOUNDATION IS DESIGNED GIVEN THE PEMB DIMENSIONS AND REACTIONS BY CECO BUILDING SYSTEMS.
- THIS PROJECT CONTAINS A SERIES OF DETAILS CONSIDERED "TYPICAL DETAILS". THESE SHALL APPLY AT ALL SITUATIONS THAT ARE THE SAME OR SIMILAR AS THESE DETAILS. THESE "TYPICAL DETAILS" SHALL APPLY WHETHER OR NOT THEY ARE INDICATED OR CUT AT EACH LOCATION.
- USE OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED. CONTRACTOR TO REVIEW AND STAMP DRAWINGS ACCORDINGLY PRIOR TO SUBMITTING TO THE ENGINEER. THE OMISSION OF ITEMS FROM SHOP DRAWINGS SHALL NOT RELIEVE CONTRACTOR OF RESPONSIBILITY OF FURNISHING AND INSTALLING ITEMS REGARDLESS OF WHETHER SHOP DWGS. HAVE BEEN REVIEWED AND APPROVED.
- BUILDING IS A PRE-ENGINEERED BUILDING FURNISHED UNDER THE DESIGN/BUILT PROJECT. BUILDING SUPERSTRUCTURE WILL BE FURNISHED BY PRE-ENGINEERED BUILDING MANUFACTURER.

FOUNDATION NOTES:

- FOUNDATION DESIGN IS BASED ON ASSUMED ALLOWABLE SOIL BEARING CAPACITIES, AND SOIL PROPERTIES.
- FOOTINGS ARE DESIGNED TO BEAR ON UNIFORM SOIL CAPABLE OF SUPPORTING 2000 PSF.
- WHERE FOOTING EXCAVATIONS ARE TO REMAIN OPEN AND MAY BE EXPOSED TO RAINFALL, THE EXCAVATIONS SHALL BE UNDERCUT AND A 3" THICK MUD MAT OF 2000 PSI CONCRETE SHALL BE PLACED OR CLEAN GRAVEL SHALL BE PLACED IN THE BOTTOM TO PROTECT THE BEARING SOILS.
- WHERE FOOTING STEPS ARE NECESSARY, THEY SHALL BE NO STEEPER THAN 1 VERTICAL TO 2 HORIZONTAL, UNLESS SHOWN OTHERWISE ON PLANS.

REINFORCED CONCRETE:

- ALL CONCRETE WORK SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318)
- REINFORCING STEEL SHALL BE DEFORMED BARS ASTM A-615 (GRADE 60)
- THE COMPRESSIVE STRENGTH AT 28 DAYS OF THE CAST IN PLACE SLAB-ON-GRADE CONCRETE SHALL BE 4,000 P.S.I. ALL OTHER CAST IN PLACE CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH AT 28 DAYS OF 3,000 P.S.I.
- LAP SPLICES FOR REINFORCING BARS SHALL BE 30" FOR #5 BARS, AND 36" FOR #6 BARS, U.N.O.
- CLEAR CONCRETE COVER FOR REINFORCING STEEL:
FOOTINGS: 2" FORMED EDGES - 3" CAST AGAINST GROUND.
- THE LONGITUDINAL REINFORCING STEEL IN WALLS AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS. SEE TYPICAL DETAILS.
- ALL CONCRETE SHALL BE VIBRATED BY MECHANICAL VIBRATORS.

ANCHOR RODS:

- ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE A.I.S.C. "STEEL CONSTRUCTION MANUAL" 360-05.
- ANCHOR BOLTS SHALL BE ASTM F1554 HEADED BOLTS. MINIMUM ANCHOR BOLT EMBEDMENT LENGTHS ARE SPECIFIED IN THE STRUCTURAL FOUNDATION DETAILS. CLEAN ANCHOR BOLTS OF ALL GREASE, DIRT, ETC., BEFORE INSTALLATION.



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REV	DATE