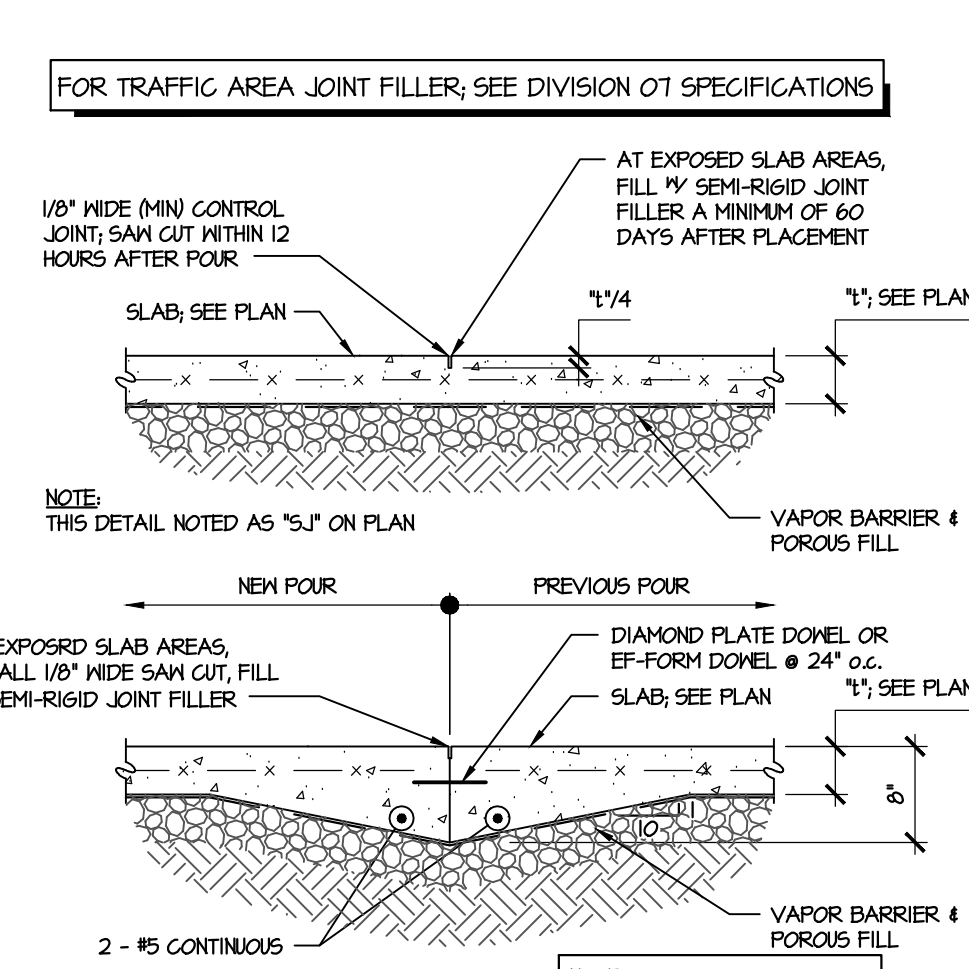
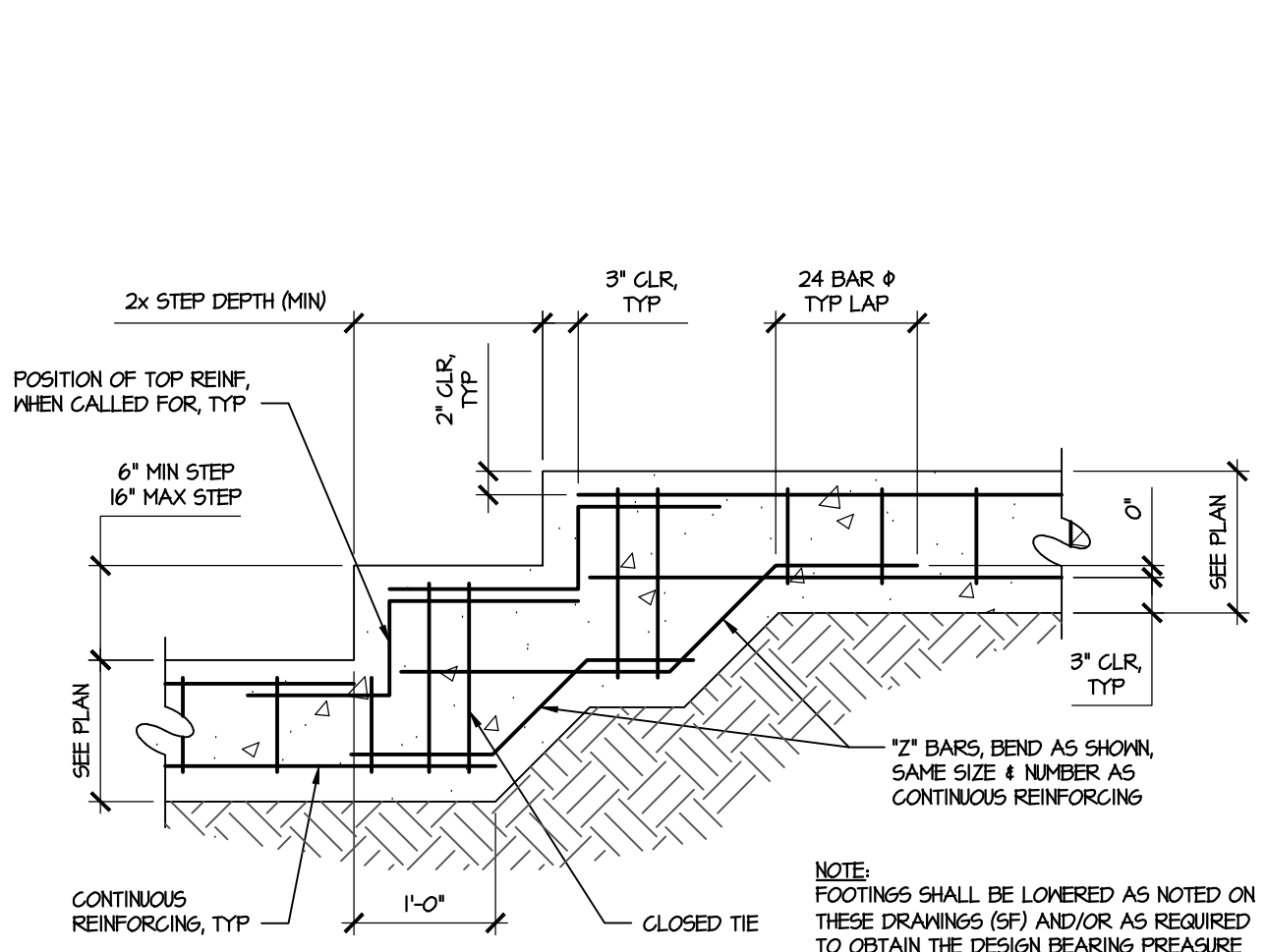


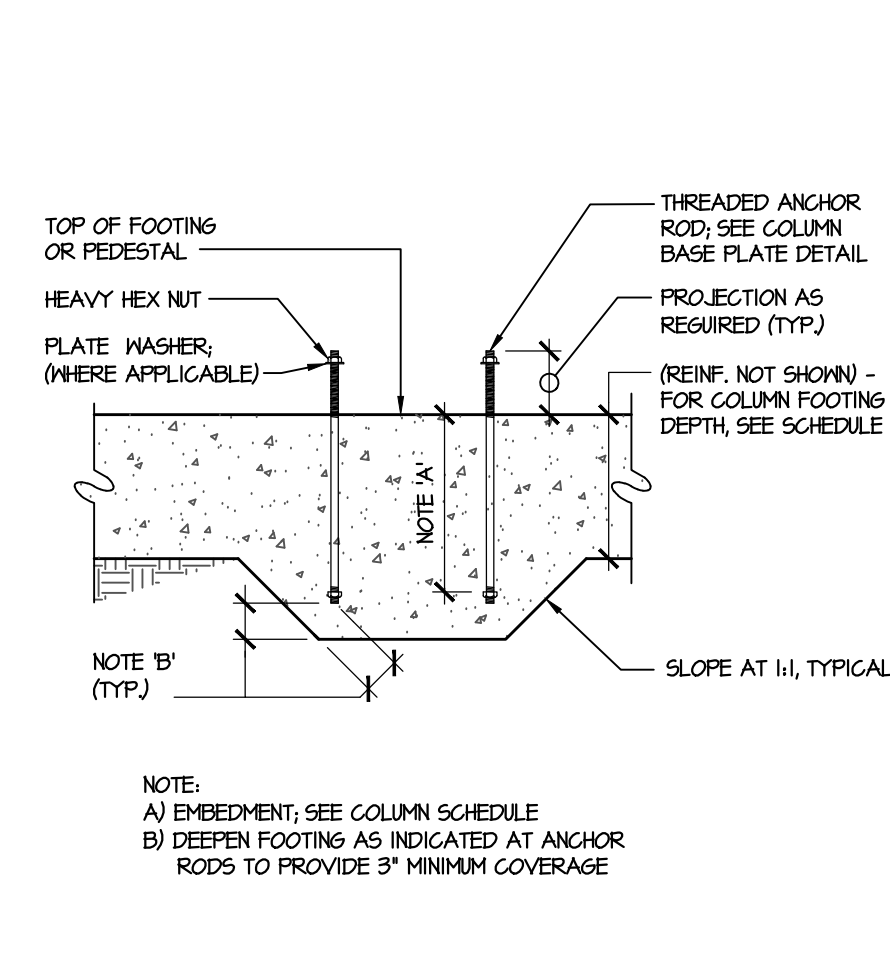
TYPICAL COLUMN, BASE P, & ANCHOR BOLT DETAIL
SCALE: NOT TO SCALE



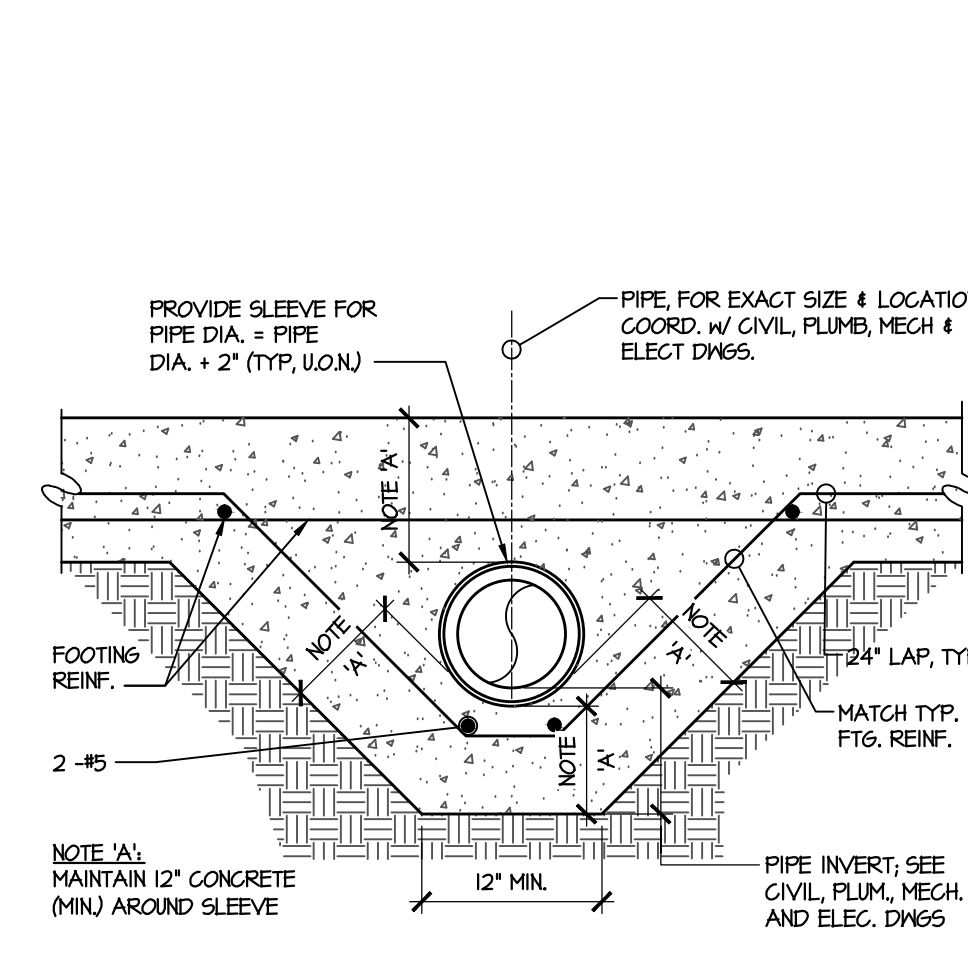
TYPICAL SLAB JOINT DETAILS
SCALE: NOT TO SCALE



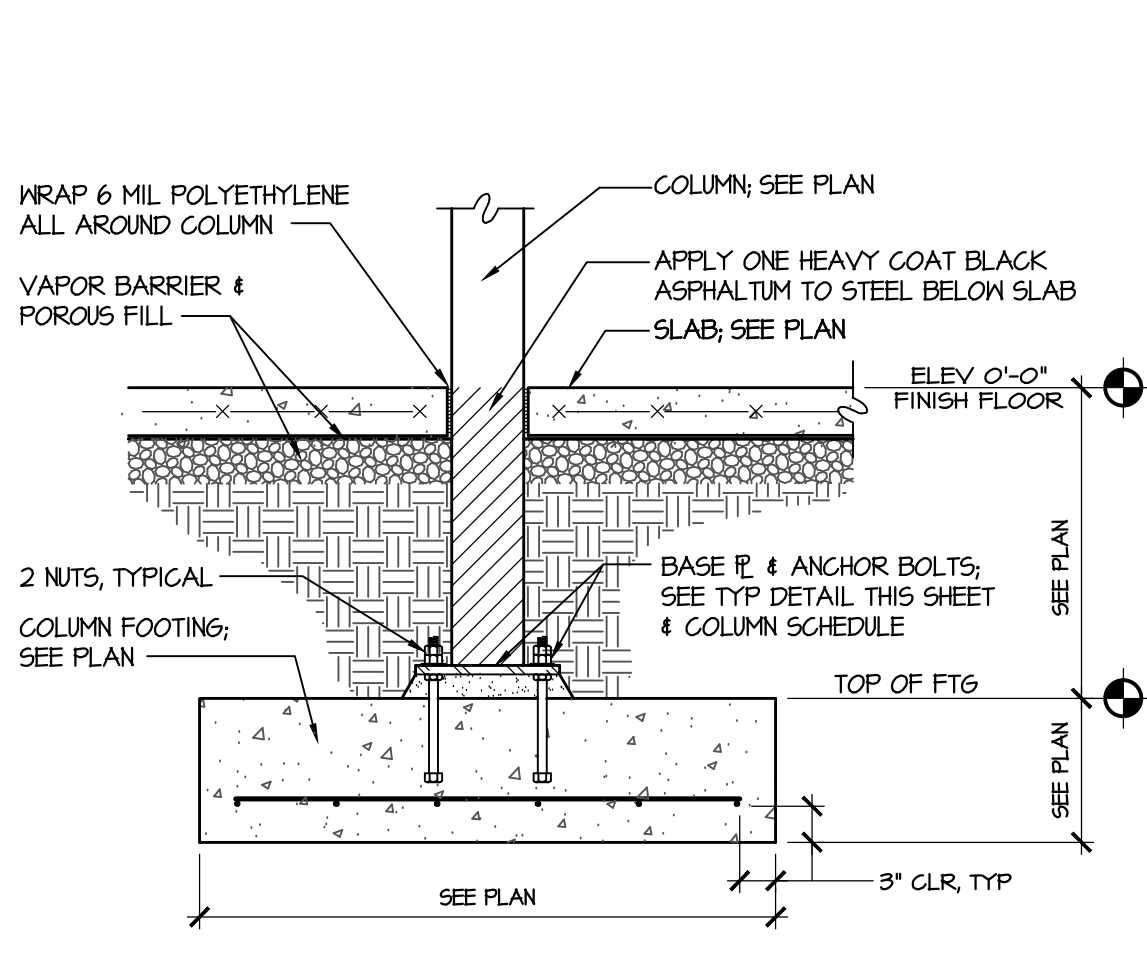
TYPICAL STEPPED FOOTING DETAIL
SCALE: NOT TO SCALE



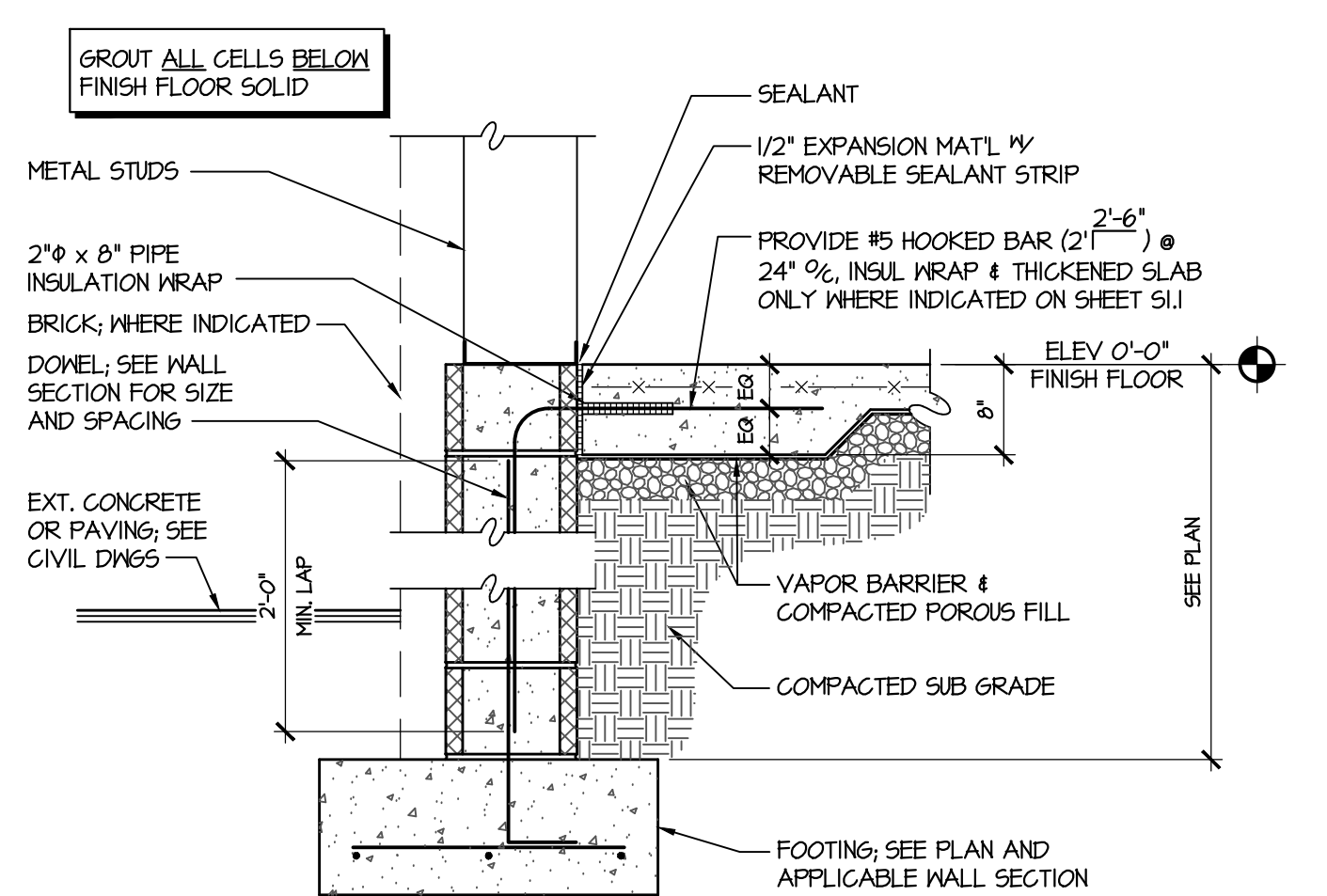
TYPICAL COLUMN ANCHOR ROD DETAIL
SCALE: 3/4" = 1'-0"



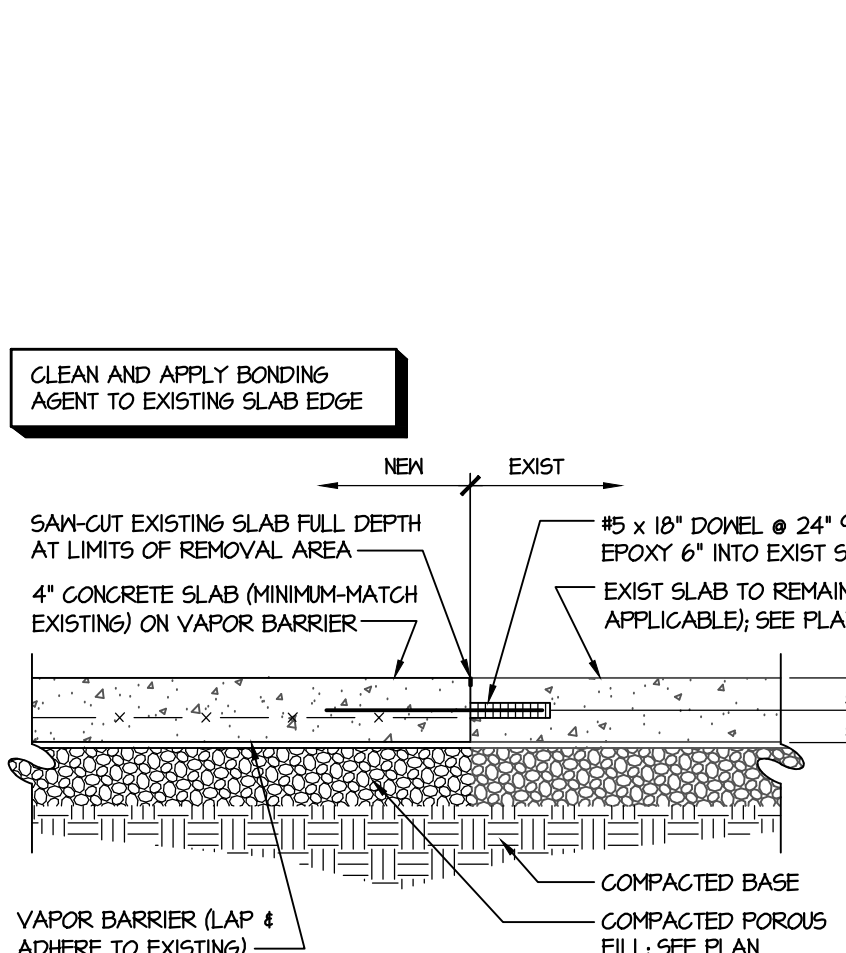
TYPICAL PIPE SLEEVE THROUGH CONTINUOUS FOOTING DETAIL
SCALE: 3/4" = 1'-0"



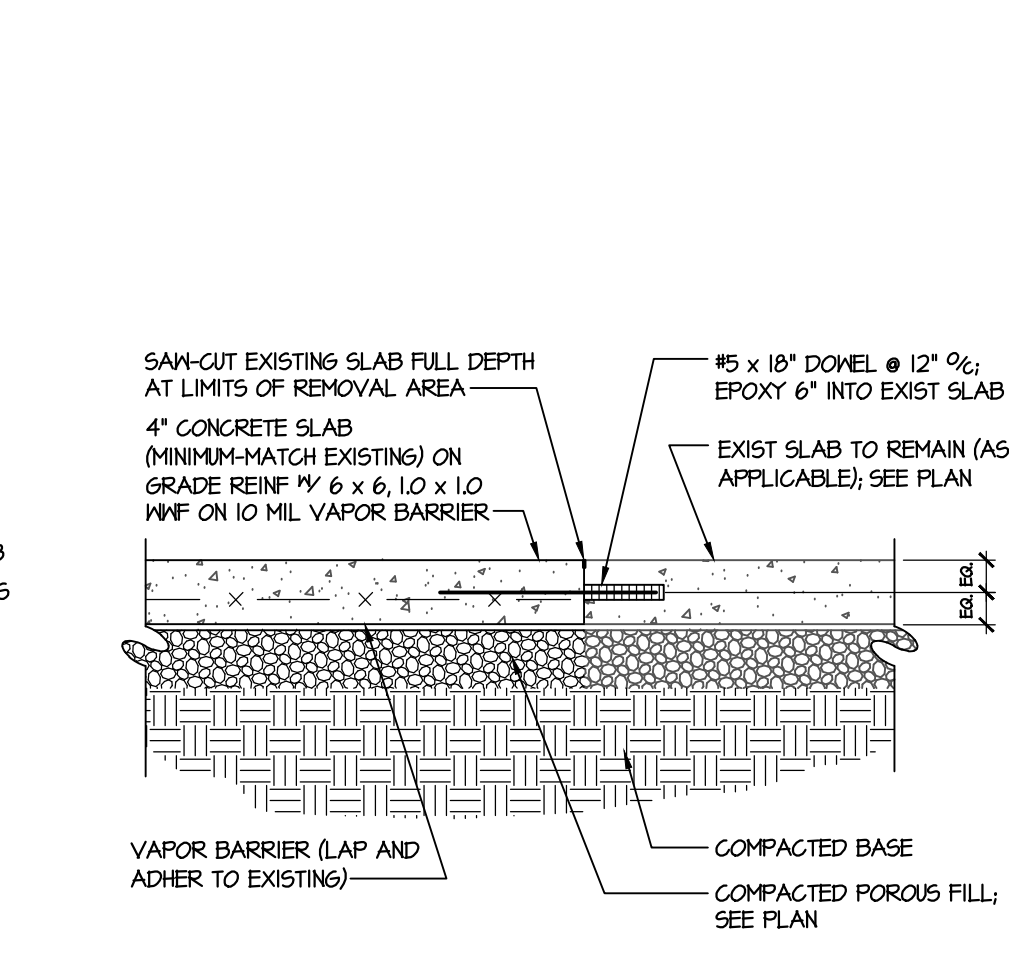
SECTION 1
SCALE: 3/4" = 1'-0"



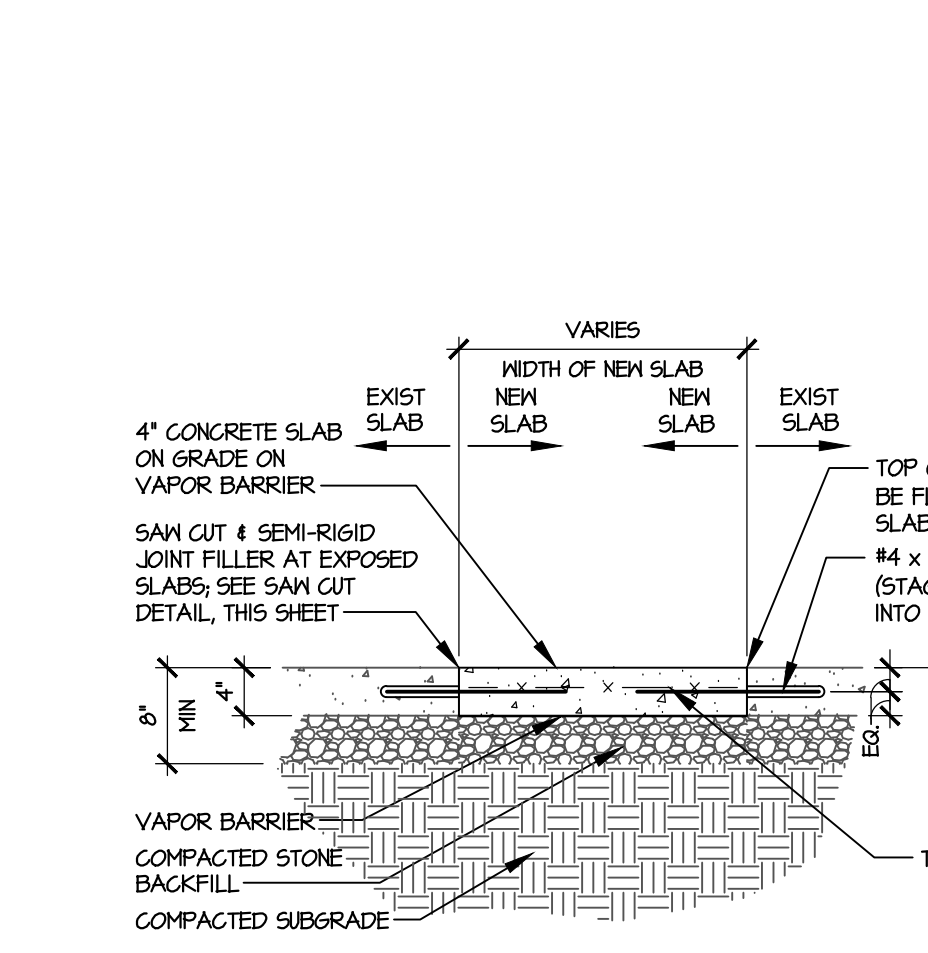
SECTION 2
SCALE: 3/4" = 1'-0"



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



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



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

GENERAL NOTES - STRUCTURAL

- ALL FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUPPORTING THE DESIGN BEARING PRESSURE INDICATED BELOW AND SHALL CONFORM TO THE SHAPE, LINES AND DIMENSIONS AS NOTED ON THESE DRAWINGS.
- TOP OF FOOTING ELEVATIONS SHALL BE AS NOTED ON PLAN. EXCAVATION DEPTHS ARE A MINIMUM AND SHALL BE LOWERED AS NEEDED TO OBTAIN THE REQUIRED DESIGN BEARING PRESSURE. ANY UNUSUAL SOIL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO REMOVING POOR MATERIAL AND/OR PLACING CONCRETE.
- BEFORE DEPOSITING CONCRETE, ALL WATER SHALL BE REMOVED FROM EXCAVATION AND ALL EXPOSED TIES SHALL BE PROPERLY AND AGGREGATELY POSITIONED AND SECURED IN PLACE.
- ALL FOUNDATION CONCRETE AND SLABS-ON-GRADE SHALL OBTAIN A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI U.C.N.
- ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH A.S.T.M. A615, GRADE 60 SPECIFICATION.
- GENERAL REQUIREMENTS FOR FABRICATION, PLACEMENT AND PROTECTION OF REINFORCING SHALL BE IN ACCORDANCE WITH A.C.I. 308 BUILDING CODE, LATEST EDITION.
- PROVIDE A 10 MIL. STITCHED-WOVEN VAPOR RETARDER w/ TAPE SEAMS AND SEAL EA PENETRATION (SEE INSTALLATION NOTES ON SHEET S12) OVER 4 INCHES MINIMUM OF COMPACTED, 100 & PER ASTM D495) AGGREGATE BASE COURSE TYPE 6A, 5K OR SP SAND 6M MAX. PASSING 200 SIEVE W/ 10% MOISTURE. SAND MEETING ASTM C208 OR NO. 17 STONE BELOW ALL INTERIOR SLABS-ON-GRADE, AS APPROVED BY THE SOIL ENGINEER.
- NO BACKFILLING SHALL BE DONE AGAINST FOUNDATION WALLS UNTIL ALL SLABS ARE POURED AND/OR WALLS ARE BRACED AGAINST OVERTURNING.
- STRUCTURAL STEEL PIPE SHALL CONFORM TO A.S.T.M. A513 TYPE 10" OR 12" GRADE B AND STEEL TUBING SHALL CONFORM TO A.S.T.M. A500, GRADE B. WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A572, GRADE 50. ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A36 SPECIFICATION. ALL STRUCTURAL STEELWORK SHALL BE IN ACCORDANCE WITH THE AISC, "MANUAL OF STEEL CONSTRUCTION" (LATEST EDITION).
- ALL FIELD BOLTED SHEAR CONNECTIONS SHALL BE BEARING TYPE (THREADS INCLUDED IN SHEAR PLANE) WITH 3/4" DIAMETER HIGH STRENGTH BOLTS UNLESS NOTED OTHERWISE AND SHALL BE DESIGNED TO SUPPORT HALF OF THE TOTAL UNIFORM LOAD CAPACITY DETERMINED FROM UNIFORM LOAD CONSTANTS FOR BEAMS "INTERIALLY SUPPORTED" OF THE AISC, MANUAL FOR STEEL CONSTRUCTION FOR THE SPAN AND STEEL SPECIFIED UNLESS THE GIVEN END REACTION IS NOTED ON DRAWINGS. BOLTS SUBJECT TO SHEAR ONLY SHALL BE TIGHTENED TO THE "SNUG TIGHT" CONDITION PER AISC. BOLTS SUBJECT TO DIRECT TENSION SHALL BE FULLY PRE-TENSIONED.
- ALL WELDING SHALL BE IN ACCORDANCE WITH THE AISC, "STRUCTURAL WELDING CODE" D11, LATEST EDITION USING E70XX ELECTRODES, U.C.N.
- THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING AND BRACING REQUIRED TO ERECT AND HOLD FRAMING UNTIL ALL ROOF DECK, BRIDGING, FLOOR SLABS, ETC. ARE IN PLACE.
- CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO A.S.T.M. C-90 SPECIFICATION FOR LOAD-BEARING AND NON-LOAD-BEARING MASONRY UNITS (MIN 1" x 1200 PSI).
- MASONRY MORTAR SHALL CONFORM TO A.S.T.M. C-270, TYPE "S" WITH A 28 DAY COMPRESSIVE STRENGTH OF 1000 P.S.I.
- VERTICAL REINFORCING FOR MASONRY WALLS SHALL BE IN MAXIMUM LENGTHS OF 4'-0" PLUS LAP LENGTH OF 2'-0" OR 36 BAR DIAMETERS (WHICHEVER IS GREATER). REINFORCED BLOCK CELLS SHALL BE GROUTED SOLID WITH 3000 PSI GRAVEL CONCRETE, FULL HEIGHT, IN 4'-0" LAPS.
- THE CONTRACTOR SHALL ADEQUATELY BRACE ALL MASONRY CONSTRUCTION SUBJECT TO WIND LOADS AND BACKFILLING DURING CONSTRUCTION. BRACING SHALL REMAIN IN PLACE UNTIL ALL BRICKS, TILES, BRICKS, BRACING AND DECKS ARE IN PLACE.
- THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
- THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS AND THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, ETC. DRAWINGS. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, HANDERS, INSERTS, ANCHOR HOLES, ETC. TO BE PLACED OR SET IN THE STRUCTURAL WORK.
- STRUCTURAL LOADS & CAPACITIES USED IN DESIGN OF THIS STRUCTURE NOT NOTED BELOW ARE AS SHOWN ON SHEET S11.
 - A. SLAB-ON-GRADE: 100 psf
 - B. ROOF DEAD LOAD: 20 psf
- MINIMUM REQUIRED SOIL BEARING PRESSURE = 2,000 PSF PER SURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING ANALYSIS PREPARED BY SOV GROUP, DATED FEBRUARY 17, 2016.

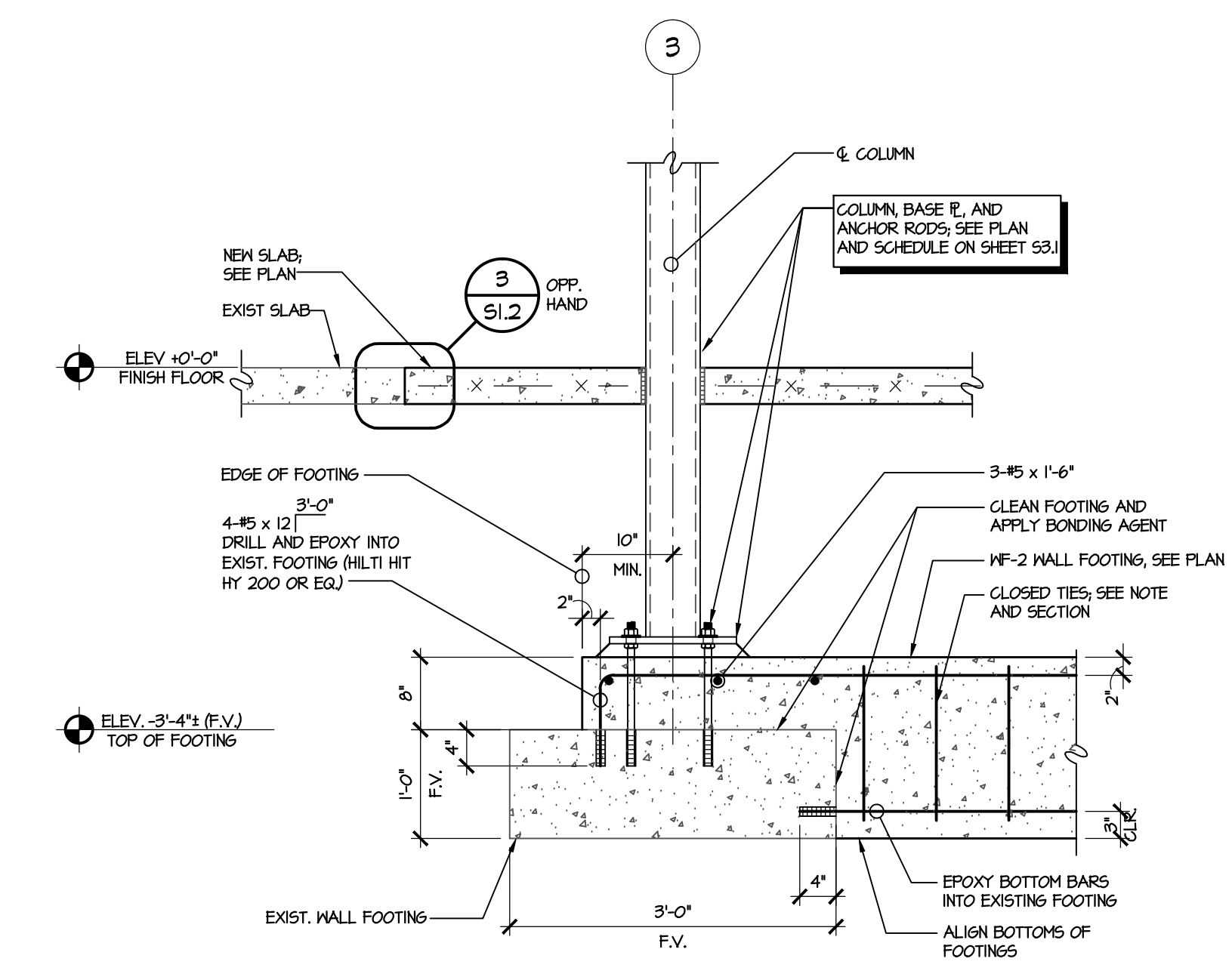
COLUMN FOOTING SCHEDULE*

MARK	SIZE	DEPTH	REINFORCING (EA. MAT, BOTTOM U.C.N)	REMARKS
①	4'-0" x 4'-0"	12'	4 - #5	-
②	4'-0" x 4'-0"	20'	5 - #6	-
③	6'-0" x 12'-0"	22'	#1 @ 12" o/c EA. MAT TOP AND BOTTOM	-

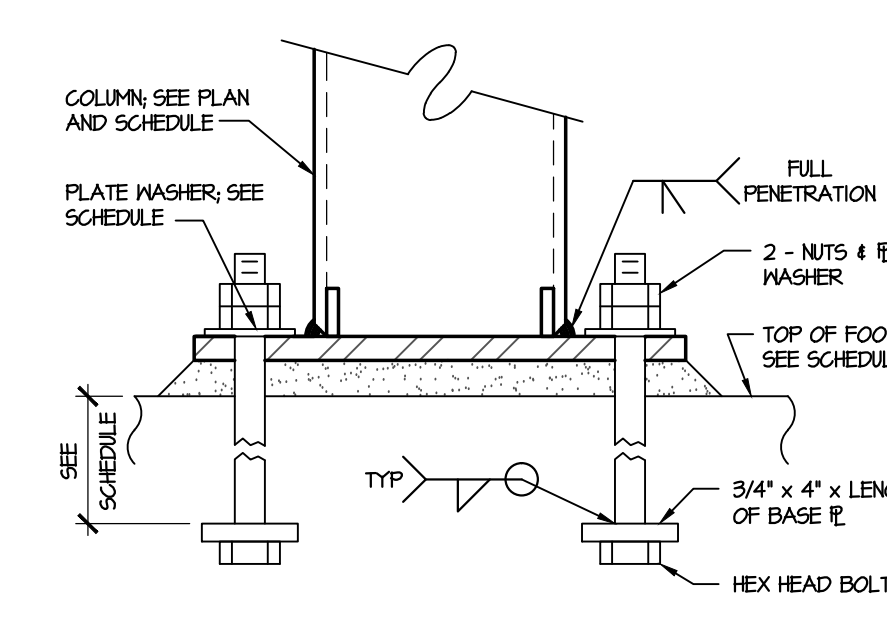
PLATE WASHER SCHEDULE

ANCHOR ROD DIAMETER	PLATE WASHER SIZE	NOTES
3/4"	1/2" x 2 1/2" x 2 1/2"	NOTE A

PLATE WASHER SCHEDULE NOTES:
A. FIELD WELD PLATE WASHER TO BASE P.



DETAIL 6
SCALE: 3/4" = 1'-0"

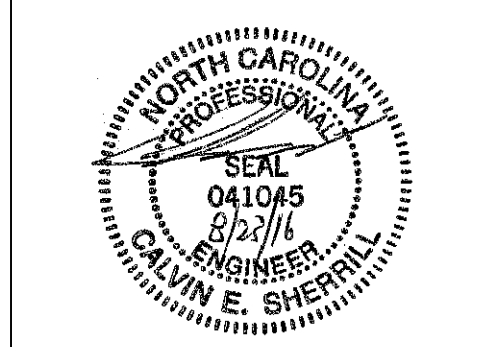


SECTION 7
SCALE: NOT TO SCALE

COLUMN SCHEDULE

	①	②	③	④	⑤
TOPIER ROOF					
HIGH ROOF					
FIRST FLOOR					
BELOW SLAB					
BASE PLATE	14" x 14" x 3/4"	14" x 14" x 1"	14" x 14" x 3/4"	14" x 14" x 3/4"	14" x 14" x 3/4"
ANCHOR BOLTS *	4 - 3/4" @	6 - 3/4" @	4 - 3/4" @	4 - 3/4" @	4 - 3/4" @
A.B. EMBEDMENT (U.C.N)	9"	12"	9"	12"	9"
REMARKS	NOTE 'A'			SEE DETAIL, 6/531 AND NOTE A	

* 120 NITS ABOVE BASE P.
COLUMN SCHEDULE NOTES:
A. WHERE APPLICABLE DRILL AND EPOXY ANCHOR RODS INTO EXIST. FOOTING USING HELIX HIT HY-200 OR EQ.
B. ANCHOR LAYOUT MAYBE ROTATED 45° AS REQUIRED TO AVOID POLE W/ DIAGONAL BRACE.



REVISIONS

No.	Date