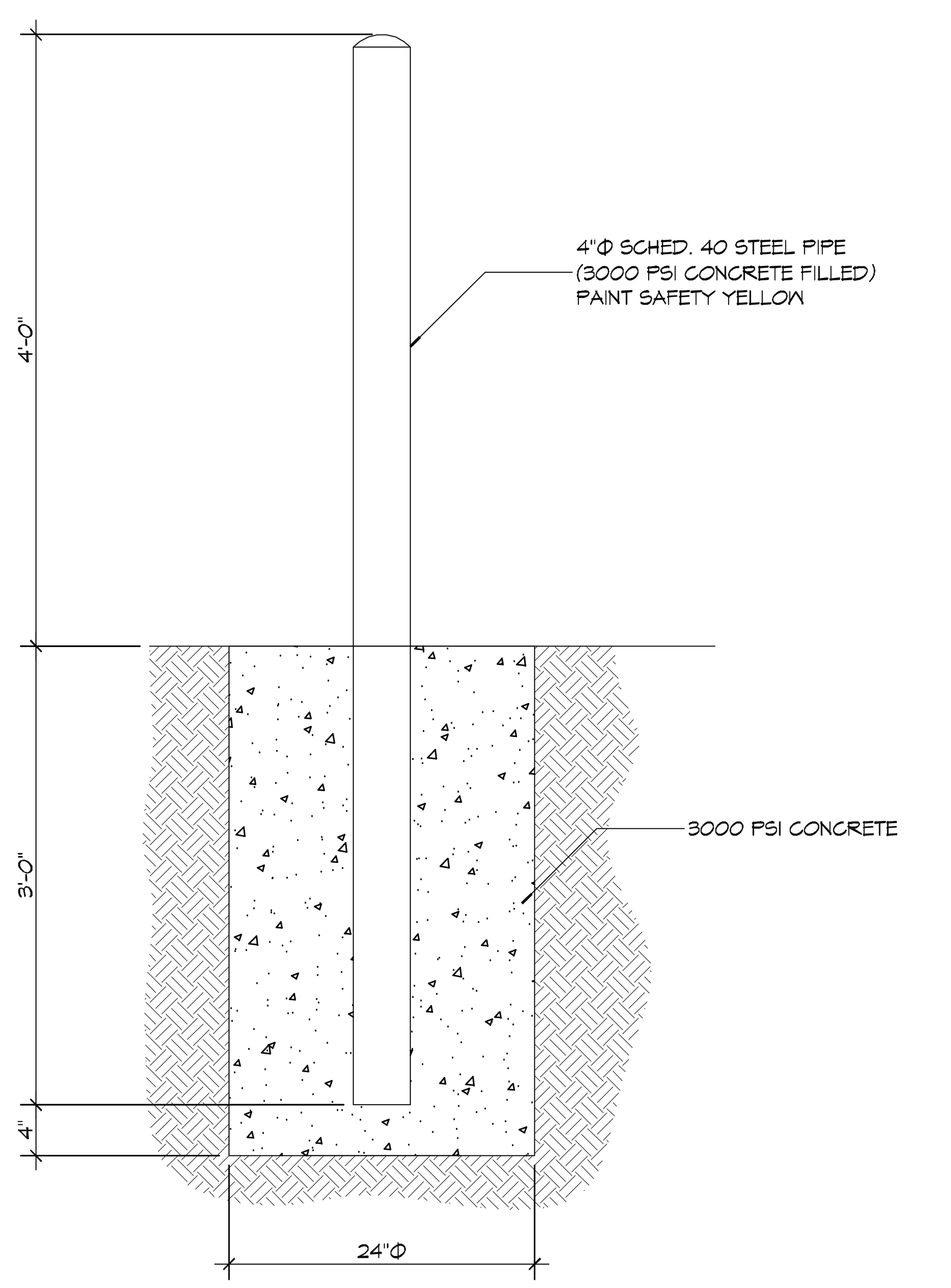
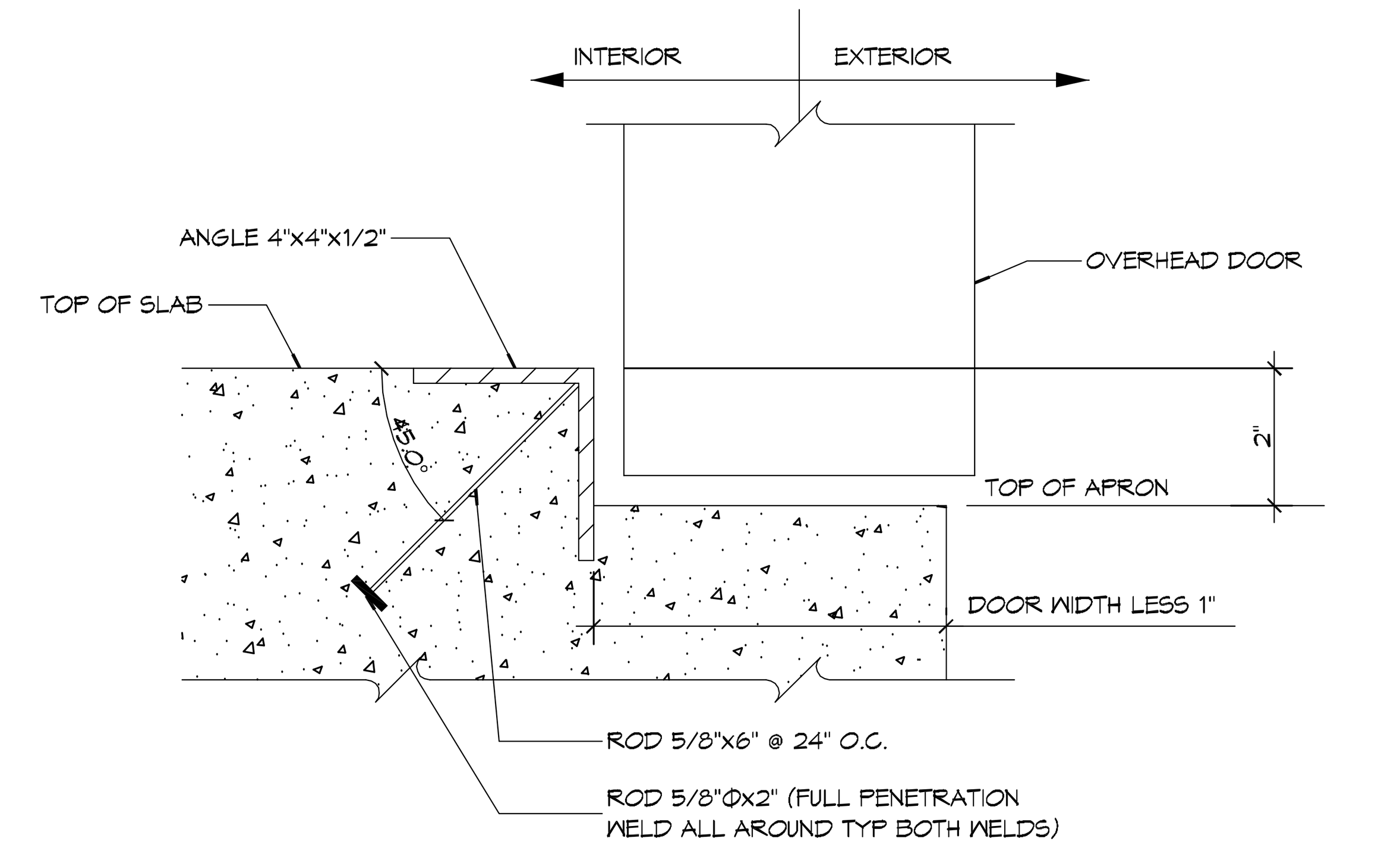
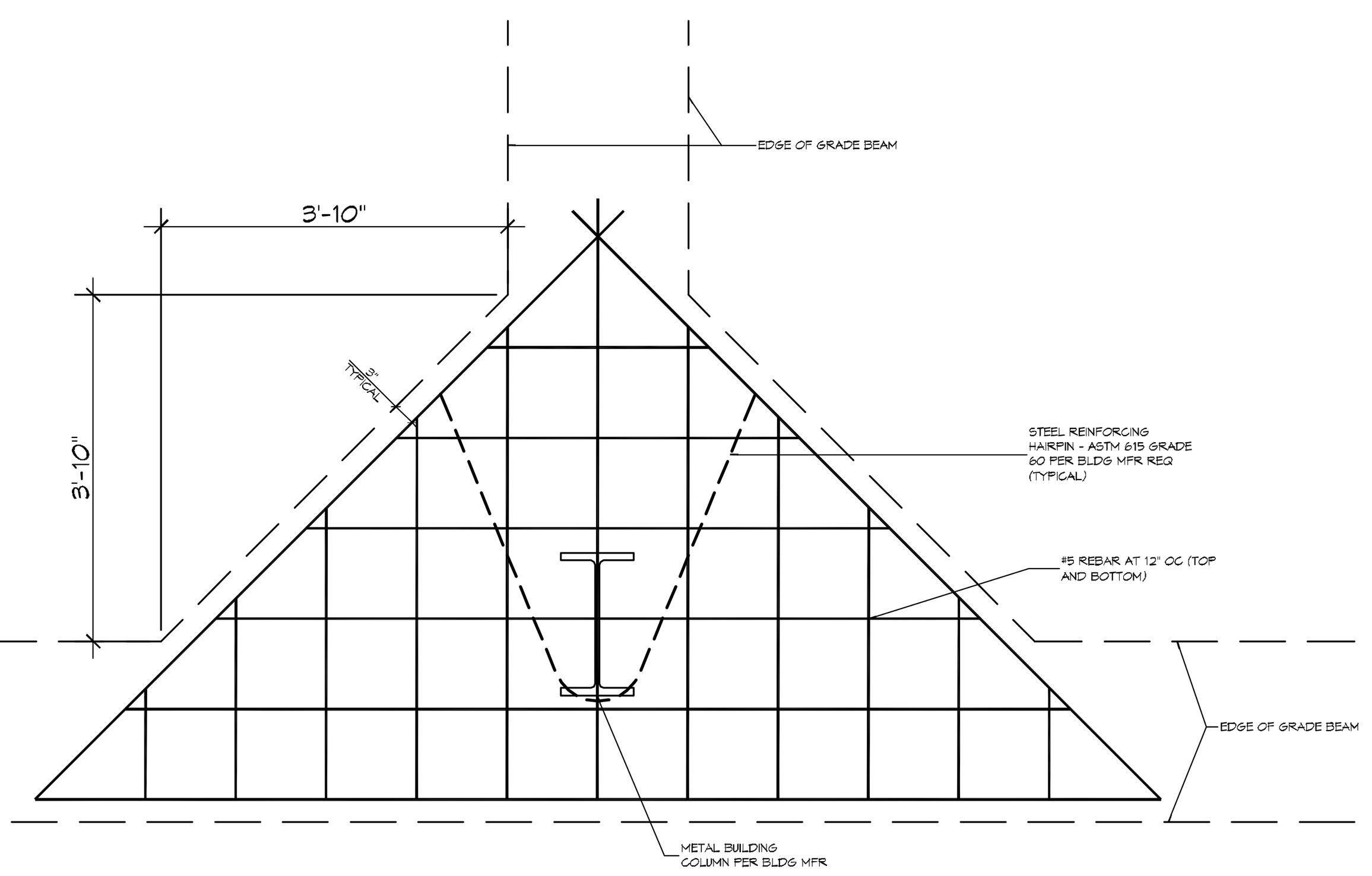


4 S101 S101 BOLLARD DETAIL
SCALE: 1" = 1'-0"

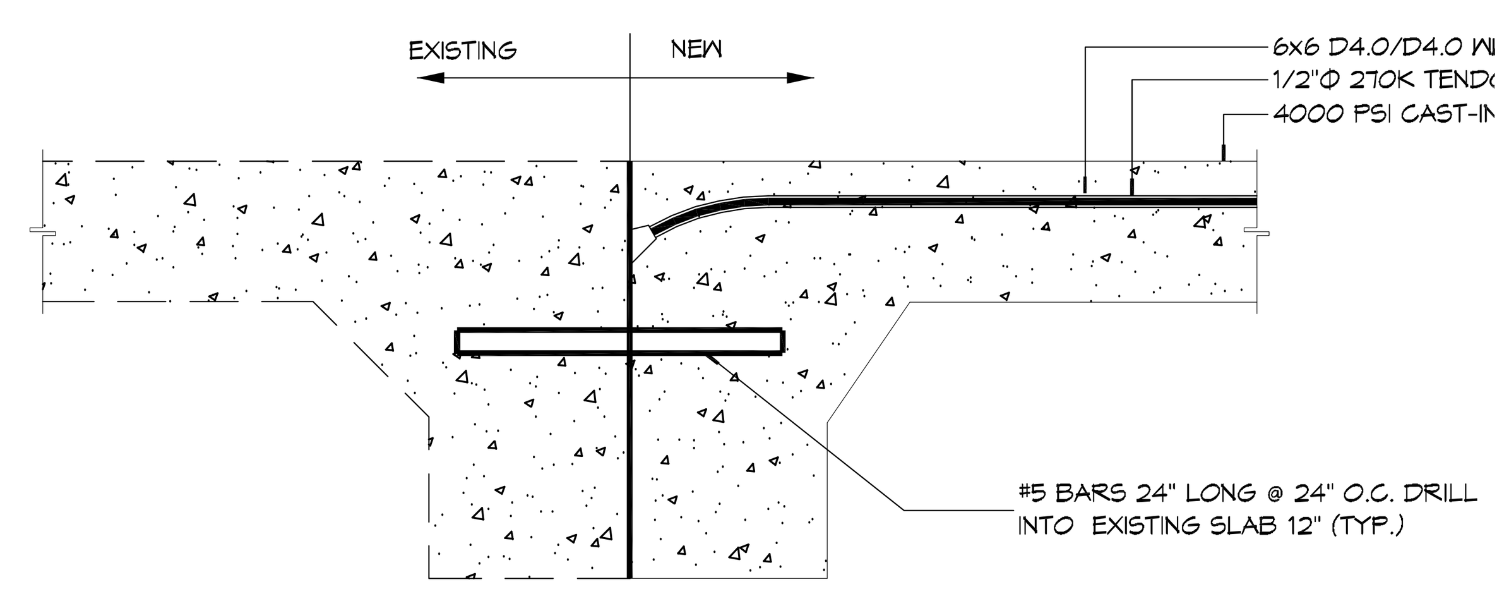
6 S101 S101 FOUNDATION DETAIL
SCALE: ########
NOT USED



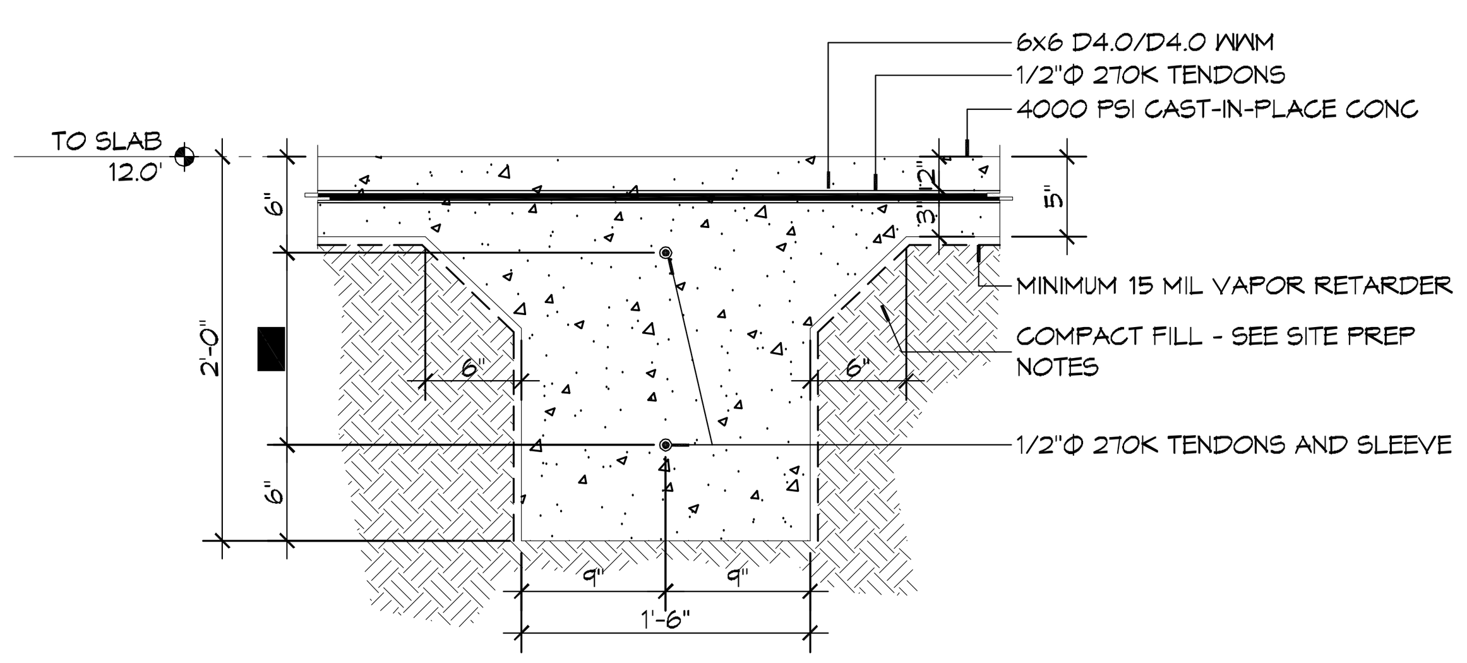
8 S101 S101 FOUNDATION DETAIL
SCALE: 1" = 1'-0"



5 S101 S101 FOUNDATION DETAIL
SCALE: 1/2"=1'-0"

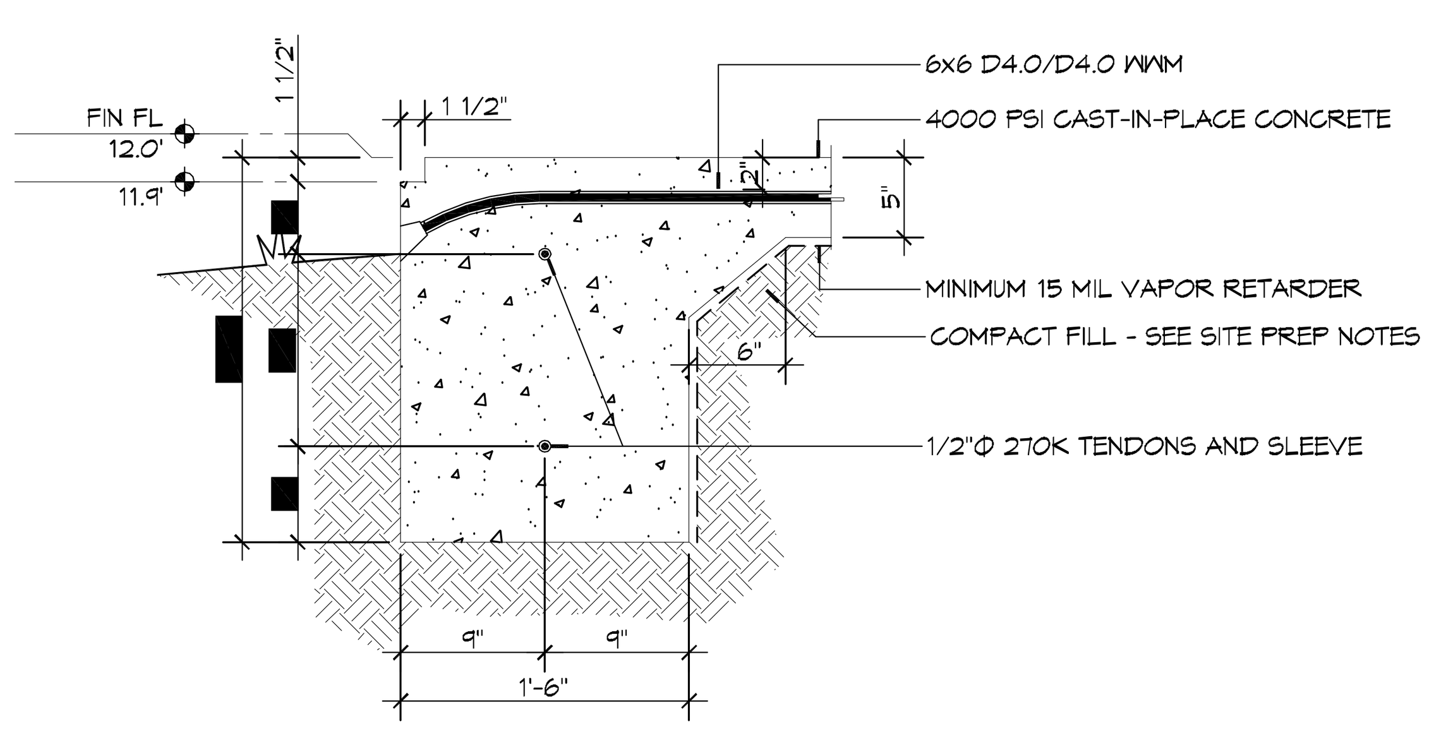


7 S101 S101 FOUNDATION DETAIL
SCALE: 1" = 1'-0"

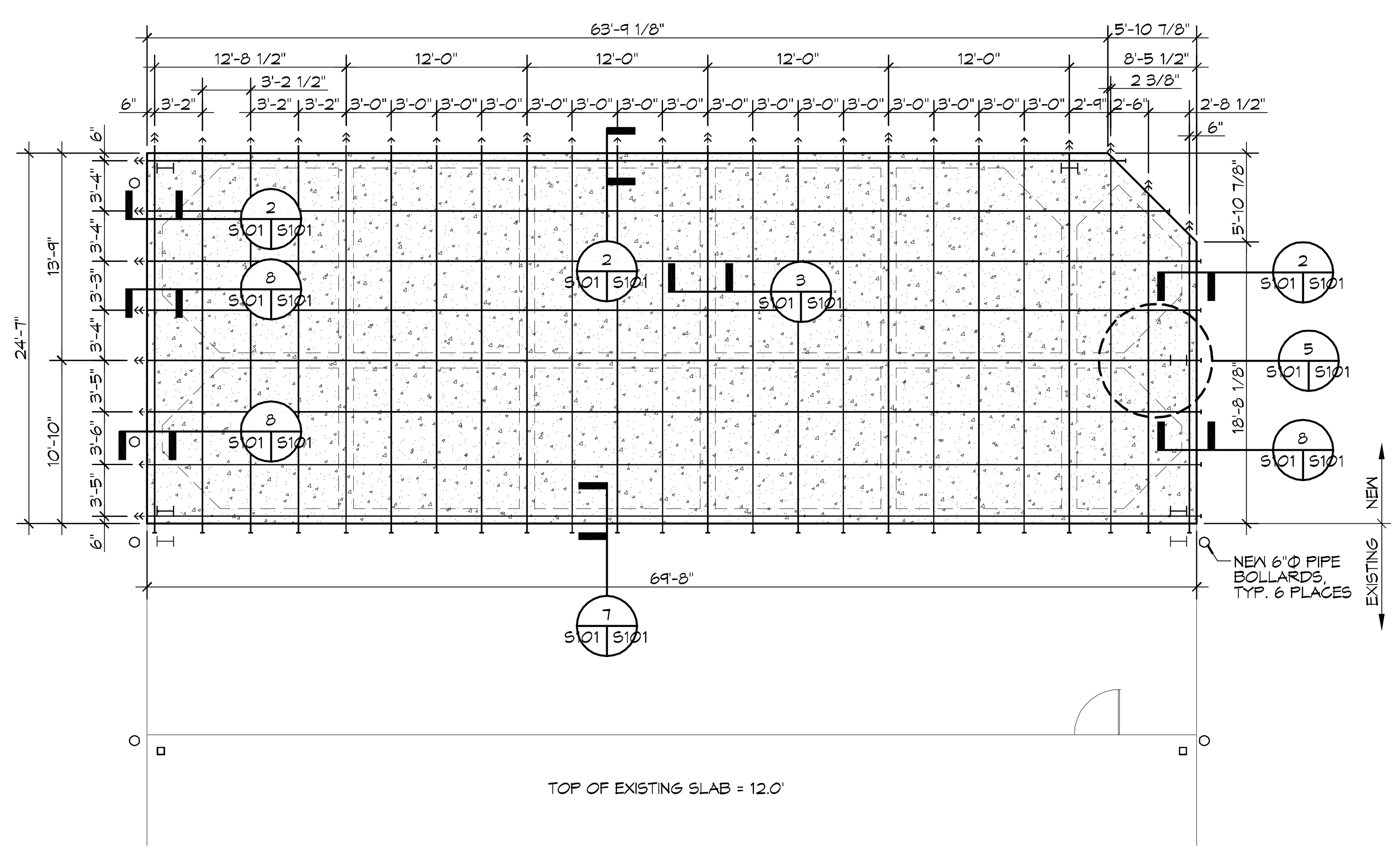


3 S101 S101 FOUNDATION DETAIL
SCALE: 1" = 1'-0"

NOTE:
FLUSH CONCRETE MORTAR PATCH AT
ALL CABLE ANCHORS AFTER FINAL
TIGHTENING.



2 S101 S101 FOUNDATION DETAIL
SCALE: 1" = 1'-0"



1 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

POST-TENSION FOUNDATION NOTES

1. FILL UNDER SLAB SHALL CONSIST OF 40% CLAY AND 60% SANDY MIXTURE AFTER SLAB AREA HAS BEEN EXCAVATED TO REMOVE ALL DEBRIS.
2. COMPACT FILL TO 95% DENSITY.
3. BEAM DIMENSIONS SHOWN ARE MINIMUM REQUIRED AND MAY NOT BE REDUCED, BUT DEPTH MAY BE EXTENDED TO SEAT BOTTOM OF BEAMS IN UNDISTURBED SOIL..
4. TENDONS AND REBARS SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING PLACEMENT OF CONCRETE.
5. ALLOW 8" CENTERED ON TENDON AXIS BY 36" LENGTH FOR STRESSING EQUIPMENT CLEARANCE.
6. CONCRETE SHALL BE WELL CONSOLIDATED ESPECIALLY IN THE VICINITY OF TENDON ANCHORAGES.
7. CONCRETE DESIGN IS BASED UPON A CONCRETE MIX HAVING A MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD AND A MAXIMUM OF 30 GALLONS OF FREE AND ADDED WATER PER CUBIC YARD. SUCH A MIX SHOULD GIVE A MINIMUM COMPRESSION STRENGTH OF 3,000 P.S.I. AT 28 DAYS. CONCRETE DESIGN MIX SHALL BE IN ACCORDANCE WITH THE A.C.I. BUILDING CODE REQUIREMENTS (A.C.I. 318R-89).
8. CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1,500 P.S.I. AT THE TIME OF STRESS.
9. ALL CONVENTIONAL REINFORCING STEEL SHALL BE ASTM DESIGNATION A-615 (GRADE 60) REINFORCING AND SHALL BE DETAILED AND ACCESSORIES PROVIDED IN ACCORDANCE WITH THE LATEST A.C.I. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.
10. ALL PRE STRESSING STEEL SHALL CONSIST OF SEVEN- WIRE STRESS RELIEVED STRAND CONFORMING TO ASTM A-416. MINIMUM ULTIMATE TENSILE STRENGTH SHALL BE 270,000 P.S.I. STRANDS SHALL BE COATED WITH A PERMANENT RUST PREVENTATIVE LUBRICANT AND A PLASTIC SHEATH.
11. REINFORCEMENT SHALL HAVE 3" COVER IN GRADE BEAM BOTTOMS, 2" COVER IN BEAM SIDES AND TOPS. 1 1/2" COVER IN SLAB TOPS AND BOTTOMS, UNLESS OTHERWISE SHOWN.
12. THE CONTRACTOR SHALL VERIFY ALL DROPS, SLOPES, RECESSES, BRICK SEATS, BLOCK-OUTS ON ARCHITECTURAL PLANS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT MAY EXIST.
13. COORDINATE STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL OPENINGS, INSERTS, AND ANY OTHER RELATED ITEMS.
14. PLANS FOR PIPES, CONDUITS, THIMBLES, ETC., TO PASS THROUGH CONCRETE SLAB OR BEAM, MUST NOT CONFLICT WITH REINFORCING. WHERE A CONFLICT OCCURS PIPES, CONDUITS, ETC.LOCATION IS TO TAKE PRECEDENCE.
15. PROVIDE SINGLE LAYER OF VAPOR BARRIER UNDER ALL CONCRETE SLAB.
16. THE TENDON LOCATION AT THE END OF THE GRADE BEAM TO BE (A MINIMUM OF 6") FROM THE TOP OF SLAB TO CENTRAL GRAVITY OF TENDONS.
17. TENDONS TO BE STRESSED NO EARLIER THAN 7 DAYS AND NO LATER THAN 14 DAYS AFTER PLACEMENT OF CONCRETE.
18. FORMS TO BE STRIPPED NO LATER THAN 6 DAYS AFTER PLACEMENT OF CONCRETE.
19. STRESSING:
    1. 1/2" TENDON SHALL BE ANCHORED AT 28.9K PER STRAND, BUT SHALL BE INTIALLY STRESSED TO 33.0K PER STRAND.
    2. 3/8" TENDON SHALL BE ANCHORED AT 16.1K PER STRAND, BUT SHALL BE INTIALLY STRESSED TO 18.4K PER STRAND.
20. LOADING OF SLAB PRIOR TO TENSIONING SHALL NOT BE DONE WITHOUT THE APPROVAL AND DIRECTION OF THE SUPERVISING ENGINEER.
21. A FLEXIBLE TYPE OF ADHESIVE MUST BE USED FOR INSTALLATION OF CERAMIC OR OTHER TYPES OF RIGID FLOOR TILES DUE TO POSSIBLE FLEXURE OF SLAB.

LEGEND

→ SINGLE TENDON
→» DOUBLE TENDON (STACKED VERTICALLY)

DAMMON
ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458
www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.5832 F: 985.641.5950

REVISIONS

#	DESCRIPTION	DATE

SEAL:

BUILDING ADDITION FOR
HOTARD BUS GROUP
56396 FRANK PICHON RD.
SLIDELL, LA 70458

JOB No:	2277	DATE:	04/27/2016
DRAWN BY:	JTL	CHECKED BY:	JMS

SHEET TITLE: FOUNDATION PLAN

DRAWING NUMBER: S101

SHEET No: 3 of 6