

**FOUNDATION GENERAL NOTES:**

1. THE INTENT OF THIS PLAN IS TO PROVIDE INFORMATION FOR PLACEMENT OF POST-TENSIONING SYSTEM TENDONS. DIMENSIONS SHOWN ARE FOR THE POST-TENSIONING CONTRACTOR TO VERIFY ALL DIMENSIONS, BRICK LEDGES, BLOCK OUTS, OFFSETS, ETC. SHOWN ON THESE PLANS. TO ASSURE AGREEMENT WITH ARCHITECTURAL PLANS.
2. BEAM SIZES AND LOCATION AND NUMBER OF TENDONS SHALL NOT BE CHANGED WITHOUT APPROVAL OF THE ENGINEER. EXCEPT THAT BEAM DEPTH MAY BE INCREASED TO PROVIDE ADEQUATE COVER AND TO PROVIDE FOR ADDITIONAL REINFORCEMENT.
3. IT IS RECOMMENDED THAT A CURING COMPOUND BE USED TO CONTROL SHRINKAGE.
4. AS A MINIMUM, INSTALLATION OF RIGID FLOOR TILES, BRICK, ETC. SHALL BE OVER AN UNFINISHED CONCRETE FLOOR. THE FLOOR SHALL BE FINISHED WITH A FINISH RECOMMENDED FOR CERAMIC FLOOR TILES. WHERE DECORATIVE CONCRETE IS USED, ADDITIONAL REINFORCEMENT WILL BE REQUIRED.
5. WHERE ADDITIONAL REINFORCEMENT WITH REBAR IS USED IN FOOTINGS, IT SHALL CONFORM TO ASTM A615. WOVEN WIRE FABRICS SHALL CONFORM TO ASTM A882.
6. REBAR SHALL BE SECURELY SUPPORTED TO BE PERMIT BOTH TENDONS AND POST-TENSIONING EQUIPMENT TO BE PLACED IN THE FOOTING. ALLOW 8" CENTER TO CENTER CLEARANCE ON TENDONS AND 3/8" LENGTH FOR POST-TENSIONING EQUIPMENT CLEARANCE.
7. CONCRETE SHALL BE WELL CONSOLIDATED ESPECIALLY IN THE VICINITY OF TENDON ANCHORAGES.
8. CONCRETE DESIGN IS BASED UPON A CONCRETE MIX HAVING A MINIMUM OF 5.2 TENDON AND POST-TENSIONING EQUIPMENT TO BE PLACED IN THE FOOTING. ALLOW 8" CENTER TO CENTER CLEARANCE ON TENDONS AND 3/8" LENGTH FOR POST-TENSIONING EQUIPMENT CLEARANCE.
9. CONCRETE DESIGN IS BASED UPON A CONCRETE MIX HAVING A MINIMUM OF 5.2 TENDON AND POST-TENSIONING EQUIPMENT TO BE PLACED IN THE FOOTING. ALLOW 8" CENTER TO CENTER CLEARANCE ON TENDONS AND 3/8" LENGTH FOR POST-TENSIONING EQUIPMENT CLEARANCE.
10. CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1500 P.S.I. AT THE TIME OF STRESSING.
11. THE CONCRETE AND REINFORCING STEEL SHALL BE ASTM DESIGNATION A615 AND A616, RESPECTIVELY. THE CONCRETE SHALL BE TESTED AND APPROVED IN ACCORDANCE WITH THE LATEST A.C.I. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.
12. ALL PRESTRESSING STEEL SHALL CONSIST OF SEVEN-WIRE STRESS RELIEVED STRAND CONFORMING TO ASTM A416. MINIMUM ULTIMATE TENSILE STRENGTH SHALL BE 270,000 P.S.I. B STRANDS SHALL BE COATED WITH A PERMANENT RUST PREVENTER. BEAMS SHALL HAVE 3" COVER INGRADE BEAM BOTTOMS, 2" COVER IN OTHERWISE SHOWN.
13. BEAM SIDES AND TOPS, 1 1/2" COVER IN SLAB TOPS AND BOTTOMS, UNLESS OTHERWISE SHOWN.
14. COORDINATE STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL OPENINGS, INSERTS AND ANY OTHER RELATED ITEMS.
15. PLANS FOR BRIMS, GONDOLTS, TIMBERES, ETC. TO PASS THROUGH CONCRETE SHALL BE SPECIFICALLY NOTED TO TAKE PRECEDENCE WHERE A CONFLICT OCCURS.
16. PROVIDE A SINGLE LAYER OF VAPOR BARRIER UNDER CONCRETE SLAB FROM THE TOP OF SLAB TO CENTER OF GRAVITY OF TENDONS.
17. TENDONS TO BE STRESSED NO EARLIER THAN 7 DAYS AND NOT LATER THAN 14 DAYS AFTER PLACEMENT OF CONCRETE.
18. TENDONS TO BE STRESSED NO LATER THAN 6 DAYS AFTER PLACEMENT OF CONCRETE.
19. STRESSING SHALL BE AT 28.9K PER STRAND, BUT SHALL BE INITIALLY STRESSED TO 33.0K PER STRAND.
20. TENDONS SHALL BE ANCHORED AT 16" PER STRAND, BUT SHALL BE 10" MINIMUM COMPRESSED AND 18" MINIMUM TENSIONED.
21. ALL DIMENSIONS SHALL NOT BE DONE WITHOUT THE APPROVAL AND DIRECTION OF THE SUPERVISING ENGINEER.

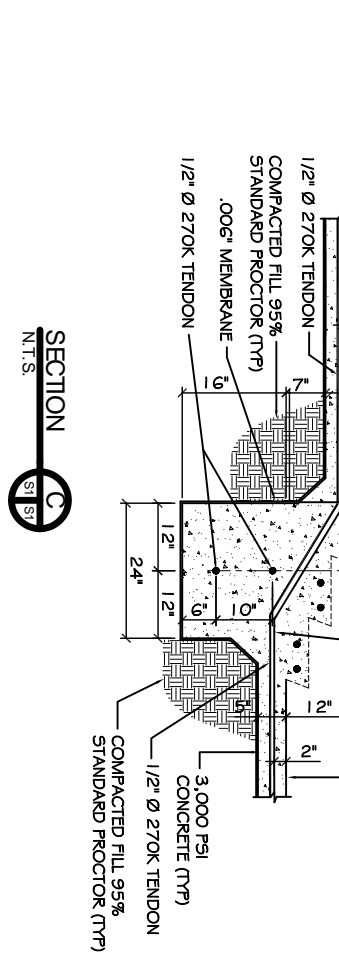
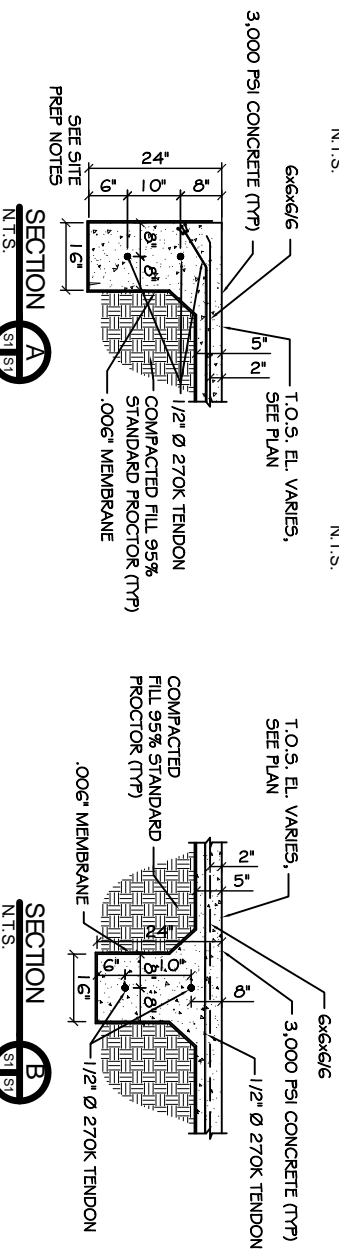
**FOUNDATION PLAN**  
SCALE: 3/16" = 1'  
N.T.S.

**TYPICAL BEAM**  
N.T.S.

**TYPICAL BEAM ENDS INTO SLAB**  
N.T.S.

**COLUMN FOOTING DETAIL # 1**  
N.T.S.

**COLUMN FOOTING DETAIL # 2**  
N.T.S.



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**FOUNDATION PLAN**

REV: 4-21-10  
SCALE: AS NOTED  
JOB#: 2050  
DATE: 2-8-10  
SHEET 11

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