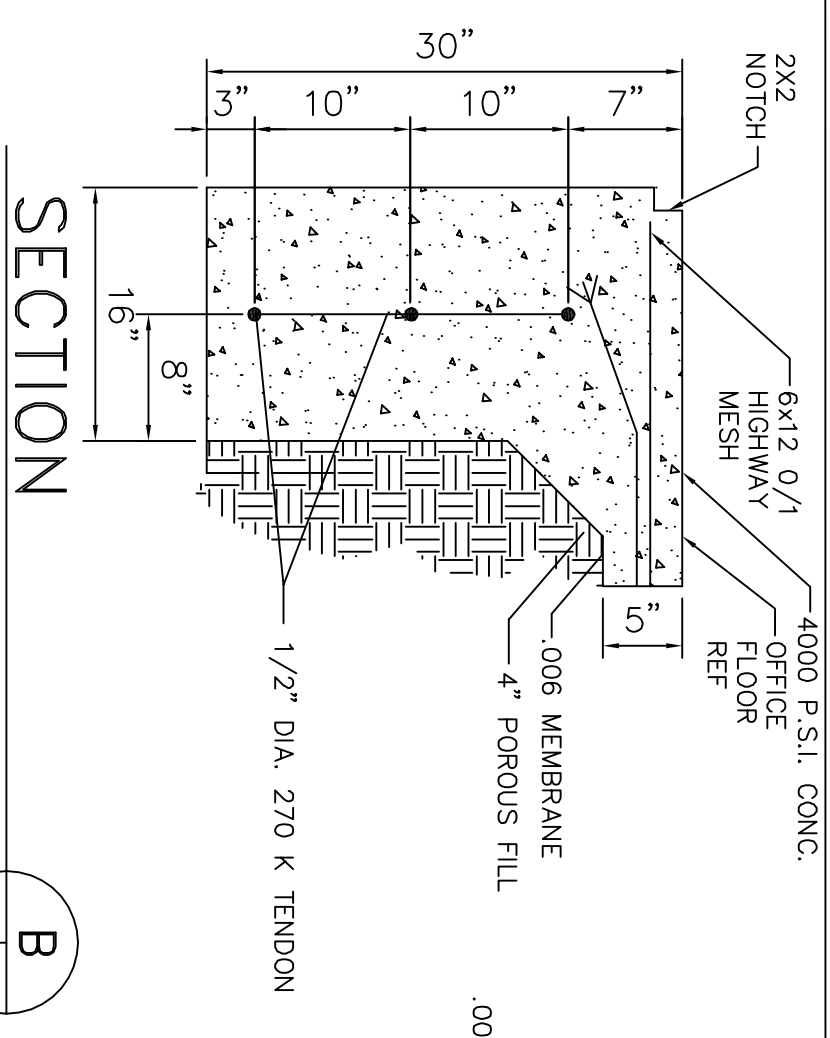
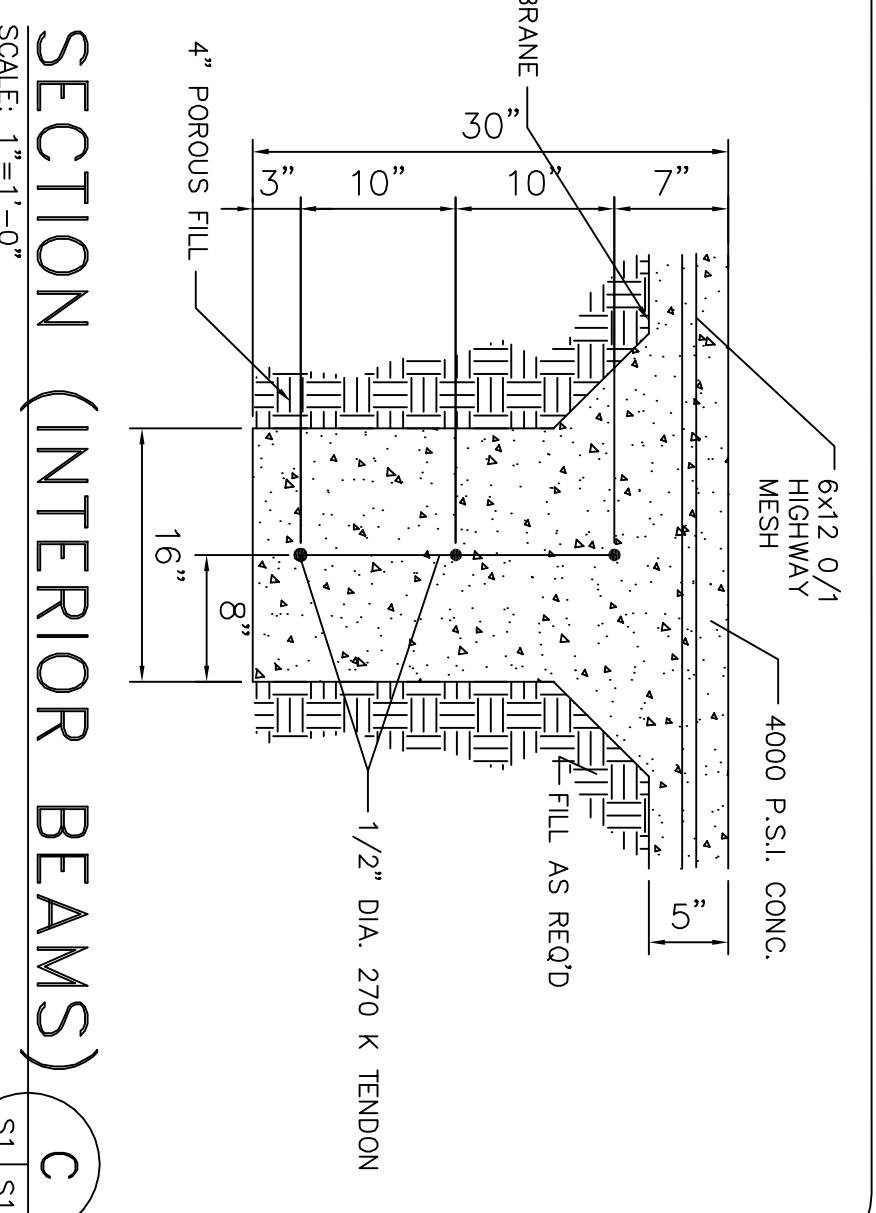


**FOUNDATION PLAN**

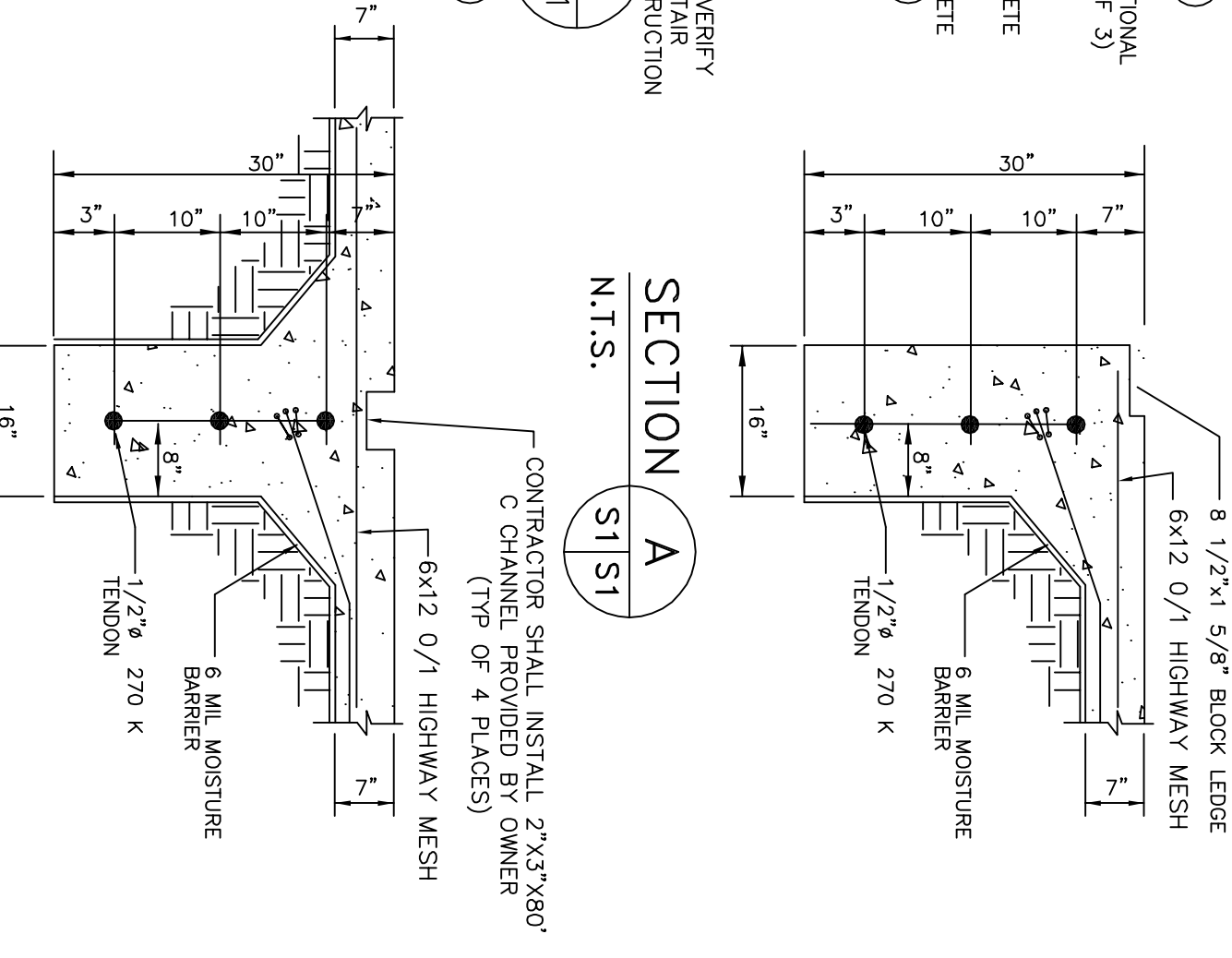
SCALE: 1/8"=1'-0"



**SECTION B**  
N.T.S.



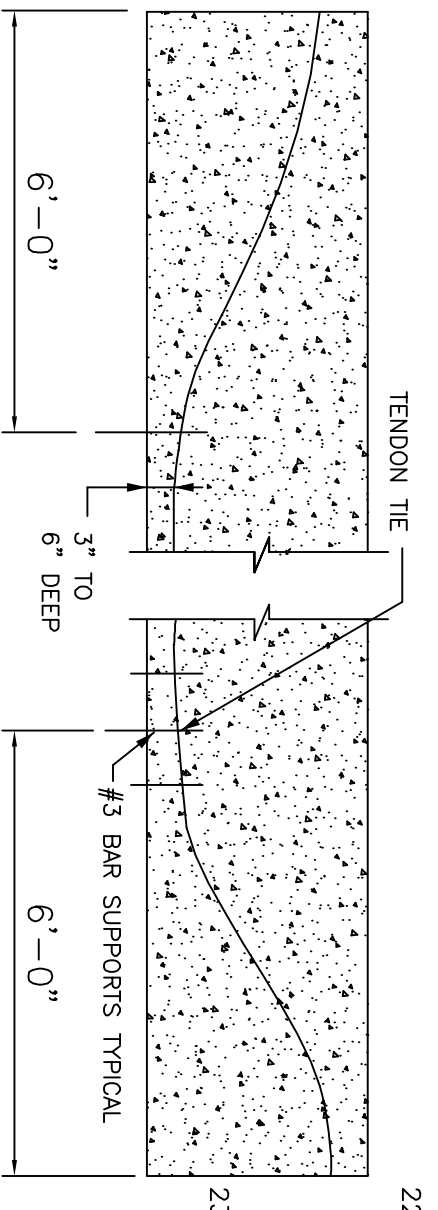
**SECTION C (INTERIOR BEAMS)**  
SCALE: 1"=1'-0"



**SECTION A**  
N.T.S.



**SECTION D**  
N.T.S.



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

**FOUNDATION GENERAL NOTES:**

- THE INTENT OF THIS PLAN IS TO PROVIDE INFORMATION FOR PLACEMENT OF POST TENSION SYSTEM TENDONS AND (IF SHOWN) PILING, ONLY. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS OF THE SOILS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONSTRUCTION. THIS PLAN IS TO BE USED IN CONJUNCTION WITH ARCHITECTURAL PLANS TO ASSURE AGREEMENT WITH ARCHITECTURAL PLANS.
- FILL IS A MINIMUM QUALITY SHALL BE 40% CLAY AND 60% SANDY MIXTURE. FILL IS TO BE COMPACTED TO 95% OF STANDARD PROCTOR DENSITY PRIOR TO PILE DRIVING (WHERE PILES ARE REQUIRED). IT IS RECOMMENDED THAT OWNER VERIFY PILE SIZE AND CAPACITY BY CONTRACTING THE SERVICES OF A SOILS ENGINEERING COMPANY, OR AS AN ALTERNATIVE, VERIFY PILE CAPACITY WITH A PILE LOAD TEST. IF NO SOILS ANALYSIS FOR THE PROPERTY HAS BEEN PROVIDED, OWNER SHALL OBTAIN SOILS TESTS AND SOILS ENGINEERING CAPACITY REPORTS TO BE USED FOR PILE DESIGN AND TO BE SUBMITTED TO THE CONTRACTOR FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL ARRANGE TO HAVE A VERIFIED COPY OF THE BLOW COUNT FOR DRIVING EACH PILE.
- ALL WATER (RAIN, RISING WATER, ETC.) SHALL BE DIRECTED AWAY FROM THE SLAB DURING PREPARATION, PLACING AND CURING OF SAME. POSITIVE DRAINAGE MUST BE MAINTAINED AT ALL TIMES.
- BEAM SIZES AND LOCATION AND NUMBER OF PILES SHALL NOT BE CHANGED WITHOUT APPROVAL OF THE ENGINEER. EXCEPT THAT BEAM DEPTH MAY BE EXTENDED TO REACH UNDISTURBED SOIL, SPECIAL LOADS NOT INDICATED ON DRAWING, I.E., BRICK FIREPLACES, AND/OR CHIMNEYS/HOT TUBS ETC., REQUIRE ADDITIONAL REINFORCEMENT.
- IT IS RECOMMENDED THAT A CURING COMPOUND BE USED TO CONTROL SHRINKAGE.
- AS A MINIMUM, INSTALLATION OF RIGID FLOOR TILES, BRICK, ETC., SHALL BE OVER AN ELASTIC BOND BREAKER. ANY GRAFTS IN CONCRETE FLOOR SHALL BE REPAIRED FOR GRAFTING. ALL TILES, ELASTOMERIC ADHESIVES AND REPAIRS SHALL BE APPROVED BY THE ENGINEER. WHERE ALTERNATIVE CONCRETE IS USED, ADDITIONAL REINFORCEMENT WILL BE REQUIRED.
- WHERE ADDITIONAL REINFORCEMENT WITH REBAR IS USED IN FOOTINGS, IT SHALL CONFORM TO ASTM A615. WOVEN WIRE FABRICS SHALL CONFORM TO ASTM A185.
- TENDON AND BARS SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING PLACEMENT OF CONCRETE.
- ALLOW 8" CENTERED CLEARANCE ON TENDON AXIS BY 36" LENGTH FOR STRESSING EQUIPMENT CLEARANCE.
- CONCRETE SHALL BE WELL CONSOLIDATED ESPECIALLY IN THE VICINITY OF TENDON ANCHORAGES.
- 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 COMPRESSIVE STRENGTH OF 4000 P.S.I. (CONCRETE SHALL BE IN ACCORDANCE WITH THE ACI BUILDING CODE REQUIREMENTS (ACI 318R-89).
- CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1,500 PSF AT THE TIME OF STRESSING.
- ALL CONVENTIONAL REINFORCING STEEL SHALL BE ASTM DESIGNATION A-615 (GRADE 60) REINFORCEMENT WITH THE LATEST STANDARD SPECIFICATIONS PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.
- ALL PRE-STRESSING STEEL SHALL CONSIST OF SEVEN-WIRE STRESS RELIEVED STRAND CONFORMING TO ASTM A-416. MINIMUM ULTIMATE TENSILE STRENGTH SHALL BE 250,000 P.S.I. PER STRAND. PERMANENT RUST PREVENTATIVE LUBRICANT AND A PLASTIC SHEATH. A REINFORCEMENT SHALL HAVE 3" COVER IN GRADE BEAM BOTTOMS, 2" COVER IN BEAM SIDES AND TOPS AND 1 1/2" COVER IN SLAB TOPS AND BOTTOMS UNLESS OTHERWISE SHOWN.
- COORDINATE STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL OPENINGS, INSERTS, AND ANY OTHER RELATED ITEMS.
- PLANS FOR PIPES, CONDUIT, THIMBLES, ETC., TO PASS THROUGH CONCRETE SLAB OR BEAM MUST NOT CONFLICT WITH REINFORCING. WHERE A CONFLICT OCCURS, PIPES, CONDUIT, ETC., ARE TO TAKE PRECEDENCE.
- PROVIDE A SINGLE LAYER OF VAPOR BARRIER UNDER CONCRETE SLAB.
- THE TENDON LOCATION AT THE END OF THE GRADE BEAM IS TO BE (A MINIMUM OF 6") FROM THE TOP OF THE SLAB TO CENTER OF GRAVITY OF TENDONS.
- TENDONS TO BE STRESSED NO EARLIER THAN 7 DAYS AND NO LATER THAN 14 DAYS AFTER PLACEMENT OF CONCRETE.
- FORMS TO BE STRIPPED NO LATER THAT 6 DAYS AFTER PLACEMENT OF CONCRETE.
- STRESSING:
  - 1/2" TENDON SHALL BE ANCHORED AT 28.9K PER STRAND, BUT SHALL BE INITIALLY STRESSED TO 33.0K PER STRAND.
  - 3/8" TENDON SHALL BE ANCHORED AT 16.1K PER STRAND, BUT SHALL BE INITIALLY STRESSED TO 18.4K PER STRAND.
- LOADING OF SLAB PRIOR TO STRESSING SHALL NOT BE DONE WITHOUT THE APPROVAL AND DIRECTION OF THE ENGINEER.

OFFICE/WAREHOUSE  
**DAMMON ENGINEERING, INC.**  
 1095 FLORIDA AVENUE 985-649-5832 SLIDELL, LA. 70458  
 DAMMONENGINEERING.COM

**FOUNDATION PLAN**  
 PLATFORM CRANE SERVICE  
 DOSS DRIVE  
 SLIDELL, LOUISIANA

SCALE AS NOTED  
 FILE:  
 JOB NO. 1655  
 DATE: 04-01-05  
 SHEET  
**S-1**  
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REVISED: 04-04-06  
 REVISED: 07-26-06