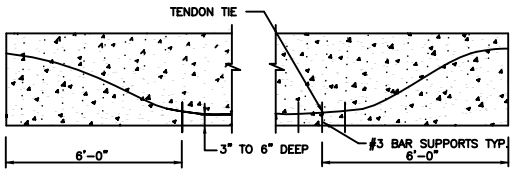
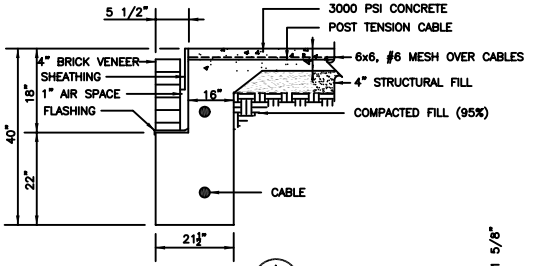
FOUNDATION NOTES

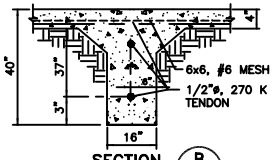
1. CONCRETE DESIGN IS BASED UPON A CONCRETE MIX HAVING A MINIMUM OF 5.0 SACKS OF CEMENT PER CUBIC YARD AND A MAXIMUM OF 30 GALLONS WATER PER CUBIC YARD. SUCH A MIX SHOULD GIVE A MINIMUM COMPRESSION STRENGTH OF 3000 P.S.I. AT 28 DAYS. CONCRETE DESIGN MIX SHALL BE IN ACCORDANCE WITH THE A.C.I. BUILDING CODE REQUIREMENTS (A.C.I. 318-77).
2. CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1500 P.S.I. AT THE TIME OF STRESSING.
3. 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.
4. ALL PRESTRESSING 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.
5. REINFORCEMENT SHALL HAVE 2" COVER IN GRADE BEAM BOTTOMS, 2" COVER IN BEAM SIDES AND TOPS, AND 1/2" COVER IN SLAB TOPS AND BOTTOMS, UNLESS OTHERWISE SHOWN.
6. TENDONS AND BARS SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING PLACING OF CONCRETE.
7. THE CONTRACTOR SHALL VERIFY ALL DROPS, OFF-SETS, BRICK-LEDGES AND BLOCK-OUTS ON ARCHITECTURAL PLANS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT MAY EXIST.
8. COORDINATE STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL OPENINGS, INSERTS AND ANY OTHER RELATED ITEMS IN SLAB.
9. PLANS FOR PIPES, CONDUITS, THIMBLES, ETC. TO PASS THROUGH CONCRETE SLAB OR BEAM, MUST NOT CONFLICT WITH REINFORCING. WHERE A CONFLICT OCCURS BETWEEN TENDONS AND REINFORCING TENDON LOCATION IS TO TAKE PRECEDENCE.
10. PROVIDE .006 POLYETHYLENE MEMBRANE UNDER ALL CONCRETE SLABS AND GRADE BEAMS.
11. ALL SECTIONS SHOWN ARE THE SECTIONS AT MID-SPAN OF GRADE BEAMS, UNLESS OTHERWISE SHOWN.
12. THE TENDON LOCATION AT THE END OF GRADE BEAM TO BE A MINIMUM OF 6" FROM THE TIP OF SLAB TO CONCRETE GRAVITY OF TENDONS.
13. TENDONS TO BE STRESSED NO EARLIER THAN 6 DAYS AND NO LATER THAN 14 DAYS AFTER PLACEMENT OF CONCRETE.
14. STRESSING:
    1. 1/2" TENDON SHALL BE ANCHORED AT 28.9K PER STRAND, BUT SHALL BE INITIALLY STRESSED TO 33.0K PER STRAND.
    2. 3/8" TENDON SHALL BE ANCHORED AT 16.1K PER STRAND, BUT SHALL BE INITIALLY STRESSED TO 18.4K PER STRAND.
15. LOADING OF SLAB PRIOR TO TENSIONING SHALL NOT BE DONE WITHOUT THE APPROVAL AND DIRECTION OF THE SUPERVISING ENGINEER.
16. CATHEADS TO BE PLACED ON ALL LIVE ENDS PRIOR TO PLACEMENT OF CONCRETE.



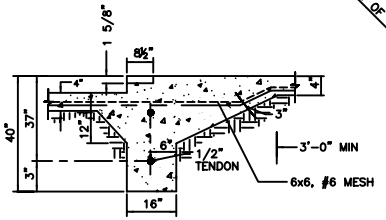
TYPICAL BEAM
N.T.S.



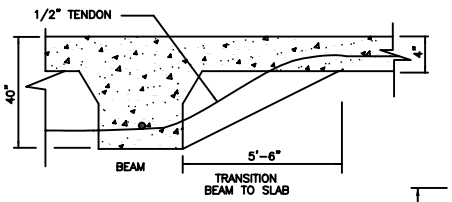
SECTION A
N.T.S.
(AT EXTERIOR BEAMS)



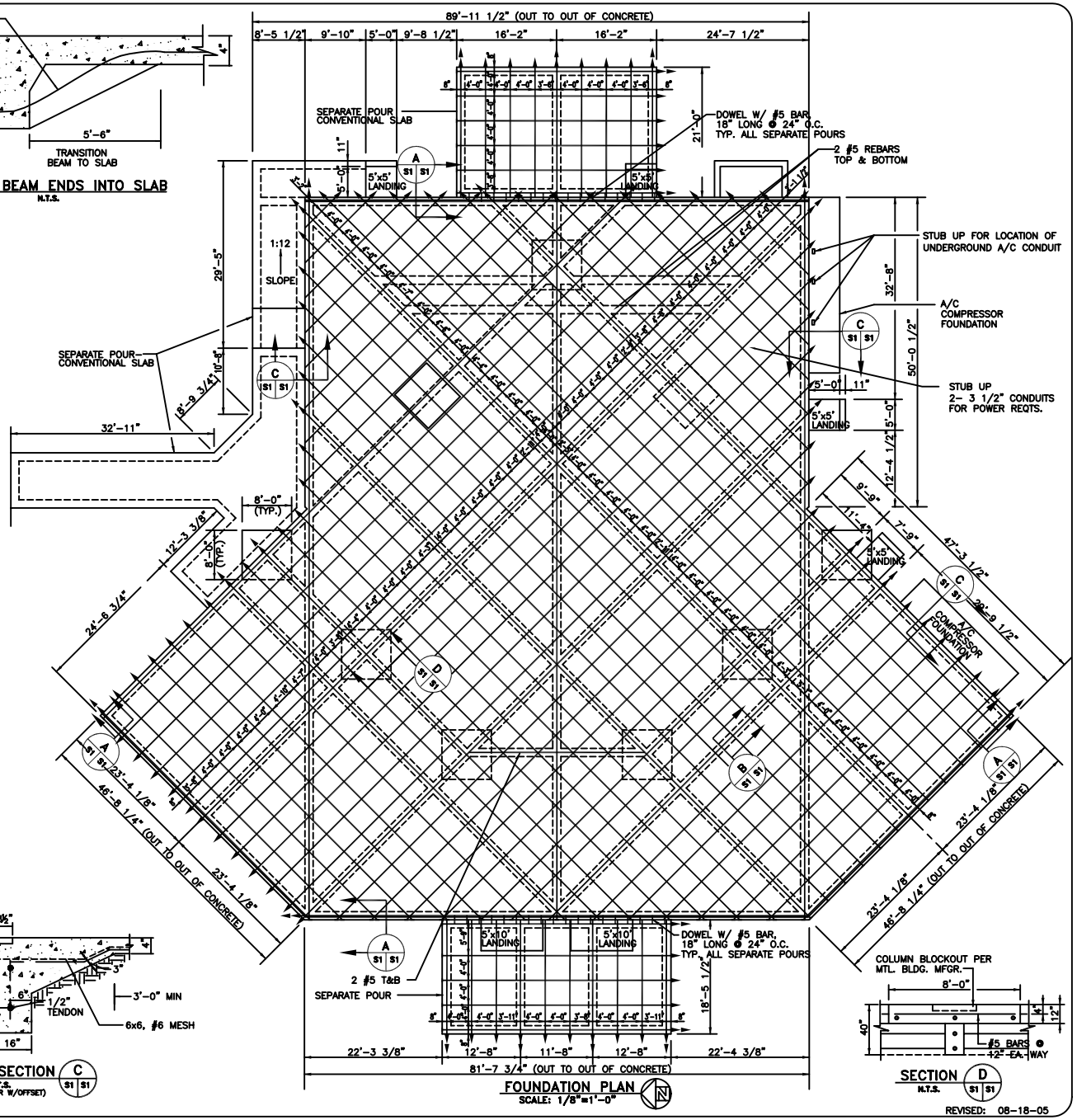
SECTION B
N.T.S.
(AT INTERIOR BEAMS)



TYPICAL SECTION C
N.T.S.
(AT INTERIOR W/OFFSET)



TYPICAL BEAM ENDS INTO SLAB
N.T.S.



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

SECTION D
N.T.S.

REVISED: 08-18-05

FOUNDATION PLAN

STARLIGHT BAPTIST CHURCH
2100 SECOND STREET
SLIDELL, LOUISIANA

NEW SANCTUARY

DAMMON ENGINEERING, INC.
1095 FLORIDA AVENUE 985-649-5532 SLIDELL, LA. 70458
DAMMONENGINEERING.COM

SCALE:AS NOTED
FILE:
JOB NO. 1495a
DATE:05-16-05
SHEET
S-1
OF