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ARCHITECTURE
ENGINEERING
STUDIES
PLANNING
INVESTIGATION
EXPERT WITNESS

NEW OFFICE
BUILDING

PLATFORM CRANE
POWELL DRIVE
SLIDELL, LA

FOUNDATION
PLAN

REV:

SCALE: AS NOTED

JOB#: 1898
DATE: 10-8-07

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OF 25

- FOUNDATION GENERAL NOTES**
1. THE INTENT OF THIS PLAN IS TO PROVIDE INFORMATION FOR PLACEMENT OF POST TENSION SYSTEM TENDONS AND (WHERE SHOWN) FILLING. ONLY IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS, BRICK LINDERS, BLOCK OUTS, OFFSETS, ETC., SHOWN ON THESE PLANS, TO ASSURE AGREEMENT WITH ARCHITECTURAL PLANS.
 2. FILL AS A MINIMUM QUALITY, SHALL BE 40% CLAY AND 60% SANDY MATERIAL, PLACED IN 6" LIFTS AND COMPACTED TO MINIMUM 95% STANDARD PROCTOR FOOTING ARE DESIGNED TO USE SOIL WITH A BEARING CAPACITY OF 2000 LBS. PER SQUARE FOOT OR MORE. IT IS RECOMMENDED THAT OWNER VERIFY ALL DIMENSIONS AND BEARING CAPACITY BY CONDUCTING THE OWNERS OWN SOIL TESTING AND REPORT.
 3. ALL WATER (RAIN, RISING WATER, ETC.) SHALL BE DIRECTED AWAY FROM THE SLAB DURING PREPARATION, PLACING, AND CURING OF SLAB. POSITIVE DRAINAGE MUST BE MAINTAINED AT ALL TIMES.
 4. BEAM SIZES AND LOCATION AND NUMBER OF FILES SHALL NOT BE CHANGED WITHOUT APPROVAL OF THE ENGINEER, EXCEPT THAT BEAM DEPTH MAY BE EXTENDED TO REACH UNDISTURBED SOIL.
 5. SPECIAL LOADS NOT INDICATED ON DRAWING (E.G. BRICK FIREPLACES, AND/OR CHIMNEYS, HOT TUBS, ETC.) THAT REQUIRE ADDITIONAL REINFORCEMENT TO CONTROL SPRAINAGE.
 6. IT IS RECOMMENDED THAT REINFORCEMENT BE DETAIL TO CONTROL SPRAINAGE.
 7. AS A MINIMUM, INSTALLATION OF TROD FLOOR TILES, BRICK, ETC. SHALL BE OVER AN ELASTIC BOARD BREAKER. ANY CHANGES IN CONCRETE FLOOR SHALL BE TREATED PRIOR TO INSTALLATION OF TILES. WHERE DECORATIVE CONCRETE IS USED, ADDITIONAL REINFORCEMENT WILL BE REQUIRED.
 8. WHERE ADDITIONAL REINFORCEMENT WITH REBAR IS USED IN FOOTINGS, IT SHALL CONFORM TO ASTM A615, 60KSI YIELD STRENGTH SHALL CONFORM TO ASTM A615.
 9. ALL REBAR SHALL BE WELDED TO REBAR BOTH VERTICAL AND HORIZONTAL. HORIZONTAL REBAR SHALL BE PLACED ON TENDON ANS BY 36" LENGTH FOR STRESSING EQUIPMENT CLEARANCE.
 10. CONCRETE SHALL BE WELL CONSOLIDATED ESPECIALLY IN THE VICINITY OF TENDON ANCHORAGES. CONCRETE PER CURB YARD AND A MINIMUM OF 30 GALLONS OF WATER PER CURB YARD. SUCH AS A MINIMUM, INSTALLATION OF TROD FLOOR TILES, BRICK, ETC. SHALL BE OVER AN ELASTIC BOARD BREAKER. ANY CHANGES IN CONCRETE FLOOR SHALL BE TREATED PRIOR TO INSTALLATION OF TILES. WHERE DECORATIVE CONCRETE IS USED, ADDITIONAL REINFORCEMENT WILL BE REQUIRED.
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 12. CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1,500 P.S.I. AT THE TIME OF STRESSING.
 13. ALL CONVENTIONAL REINFORCING STEEL SHALL BE ASTM DESIGNATION A-615 (GRADE 60) REINFORCING AND SHALL BE DETAIL AND ACCESSORIES PROVIDED IN ACCORDANCE WITH THE LATEST A.C.I. MANUAL OR STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE.
 14. ALL REINFORCING STEEL SHALL CONSIST OF SPRAI-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.
 15. REINFORCEMENT SHALL HAVE 3" COVER IN GRADE BEAM BOTTOMS, 3" COVER IN BEAM SIDES AND 1.5" COVER IN SLAB TOPS AND BOTTOMS. UNLESS OTHERWISE SPECIFIED.
 16. COORDINATE STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL OPENINGS, INSERTS, AND ANY OTHER RELATED ITEMS.
 17. PLANS FOR PIPES, CONDUITS, 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.
 18. PROVIDE A SINGLE LAYER OF VAPOR BARRIER UNDER CONCRETE SLAB.
 19. THE SLAB TO CENTER OF GRAVITY TENDONS.
 20. TENDONS TO BE STRESSED NO EARLIER THAN 7 DAYS AND NOT LATER THAN 14 DAYS AFTER PLACEMENT OF CONCRETE.
 21. FORMS TO BE STRIPPED NO LATER THAN 6 DAYS AFTER PLACEMENT OF CONCRETE.
 22. STRESSING:
 1. 1/2" TENDON SHALL BE ANCHORED AT 28.8K PER STRAND, BUT SHALL BE INITIALLY STRESSED TO 5.8K PER STRAND.
 2. 3/8" TENDON SHALL BE ANCHORED AT 16.1K PER STRAND, BUT SHALL BE INITIALLY STRESSED TO 16.4K PER STRAND.
 23. LOADING OF SLAB PRIOR TO TENSIONING SHALL NOT BE DONE WITHOUT THE APPROVAL AND DIRECTION OF THE SUPERVISING ENGINEER.

