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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 SOIL BEARING CAPACITY TESTS.
  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 THE CONTRACTORS RESPONSIBILITY TO PROVIDE THE CORRECT TENDON SPACING AND BOARD BREAKER, ANY CHANGES IN CONCRETE FLOOR TILES, BRICK, ETC. SHALL BE OVER AN ELASTIC OF TILES WHERE DECOMACTIVE CONCRETE IS USED, ADDITIONAL REINFORCEMENT WILL BE REQUIRED.
  7. WHERE ADDITIONAL REINFORCEMENT WITH REBAR IS USED IN FOOTINGS, IT SHALL CONFORM TO ASTM A615, FOLLOWS WIRE FABRICS SHALL CONFORM TO ASTM A185.
  8. HORIZONTAL REINFORCEMENT SHALL BE PROVIDED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING PLACING OF CONCRETE.
  9. ALLOW 8" CENTERED CLEARANCE ON TENDON ANS BY 36" LENGTH FOR STRESSING EQUIPMENT CLEARANCE.
  10. CONCRETE SHALL BE WELL CONSOLIDATED ESPECIALLY IN THE VICINITY OF TENDON ANCHORAGES, GROUT PER CORE YARD AND A MINIMUM OF 30 GAL/TON OF WINDY PER CORE YARD, SUCH AS A MINIMUM INSTALLATION OF 1000 GAL/TON OF WINDY PER CORE YARD. ALL CORES SHALL BE IN ACCORDANCE WITH THE A.C.I. BUILDING CODE REQUIREMENTS (A.C.I. 318-77). CONTRACTOR SHALL SUPPLY A LAB REPORT OF 1,500 P.S.I. AT THE TIME OF STRESSING.
  11. 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 OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE.
  12. ALL REINFORCING STEEL SHALL CONFORM TO THE A.C.I. BUILDING CODE REQUIREMENTS (A.C.I. 318-77). CONTRACTOR SHALL SUPPLY A LAB REPORT OF 1,500 P.S.I. AT THE TIME OF STRESSING.
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  15. REINFORCEMENT SHALL HAVE 3" COVER IN GRADE BEAM BOTTOMS, 3" COVER IN BEAM SIDES AND 1 1/2" COVER IN SLAB TOPS AND BOTTOMS UNLESS OTHERWISE NOTED.
  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 WAPOR BARRIER UNDER CONCRETE SLAB.
  19. THE 3" COVER OF GRADE BEAM IS TO BE A MINIMUM OF 6" FROM THE TOP OF SLAB TO CENTER OF GRAVE 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. STRESSING TO 16.4K PER STRAND AT 16.1K PER STRAND, BUT SHALL BE INITIALLY STRESSED TO 16.4K PER STRAND.
    3. STRESSING TO 16.4K PER STRAND 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.

