


1. CONCRETE FOR MAT FOUNDATION SHALL HAVE $f'c = 4000$ PSI
2. REINFORCING STEEL SHALL BE A615 GRADE 60.
3. DESIGN ASSUMES THE FOLLOWING ALLOWABLE PILE CAPACITIES AT AN ALLOWABLE VERTICAL DEFLECTION OF 1IN.
VERTICAL COMPRESSION = 50 TONS/PILE
VERTICAL TENSION = 0 TONS/PILE
LATERAL, VERTICAL PILE = 0 TONS/PILE
LATERAL, BATTERED PILE = REQUIRED SERVICE LOAD REACTIONS TO BE RESISTED BY
(8) BATTERED MICROPILES ARE PROVIDED ON PLAN FOR THE PILE GROUP.
3. PILES MUST BE DESIGNED FOR MINIMUM UNBRACED LENGTH IN SOIL TO BE DETERMINED BY OWNER'S GEOTECHNICAL ENGINEER.
4. MICROPILE LAYOUT AND MAT FOUNDATION DESIGN MAY REQUIRE COORDINATION AND REVISION AFTER MICROPILE DESIGN IS AWARDED DUE TO FINAL MICROPILE DESIGN AND INSTALLATION REQUIREMENTS.
5. ALL LOCATIONS, DIMENSIONS, AND DEPTHS OF EXISTING STRUCTURAL ELEMENTS MUST BE VERIFIED BY G.C. IN THE FIELD. CONTACT COR IF DISCREPANCIES ARE FOUND.
6. G.C. MUST LOCATE ALL UTILITIES: MECHANICAL, PLUMBING, ELECTRICAL, AND PLUMBING PRIOR TO SUBMITTING TO THE DRAWING. G.C. TO COORDINATE TEMPORARY OR PERMANENT RELOCATION OF THESE TO ALLOW STRUCTURAL WORK TO BE COMPLETED AS REQUIRED BY CONTRACT DOCUMENTS AND MICROPILE DESIGN.
7. MICROPILES MUST BE INSTALLED PER SPECIFICATIONS OF THE GEOTECHNICAL REPORT BY WPC ENGINEERING DATED APRIL 6, 2009. SUPPLEMENTAL GEOTECHNICAL REPORT MAY BE REQUIRED TO SPECIFICALLY ADDRESS THE USE OF MICROPILES, IF REQUIRED BY MICROPILE DESIGN ENGINEER AND INSTALLER.
8. FINAL BEARING ELEVATIONS, AND PILE LENGTHS, SHALL BE DETERMINED IN THE FIELD TO MEET PILE LOAD CAPACITIES REQUIRED BY STRUCTURAL DESIGN. WPC REPORT ESTIMATES PILE LENGTHS OF 79FT. A GEOTECHNICAL ENGINEER LICENSED IN THE STATE OF SOUTH CAROLINA MUST DETERMINE ACCEPTABILITY OF FINAL IN-PLACE PILES.
9. SEE SPECIFICATION SECTION 31.62.00 FOR ADDITIONAL INFORMATION ON DRIVEN PILES.



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Drawing Title
PILE CAP DETAILS
BUILDING IS FULLY SPRINKLERED
CONSTRUCTION DOCUMENTS

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