

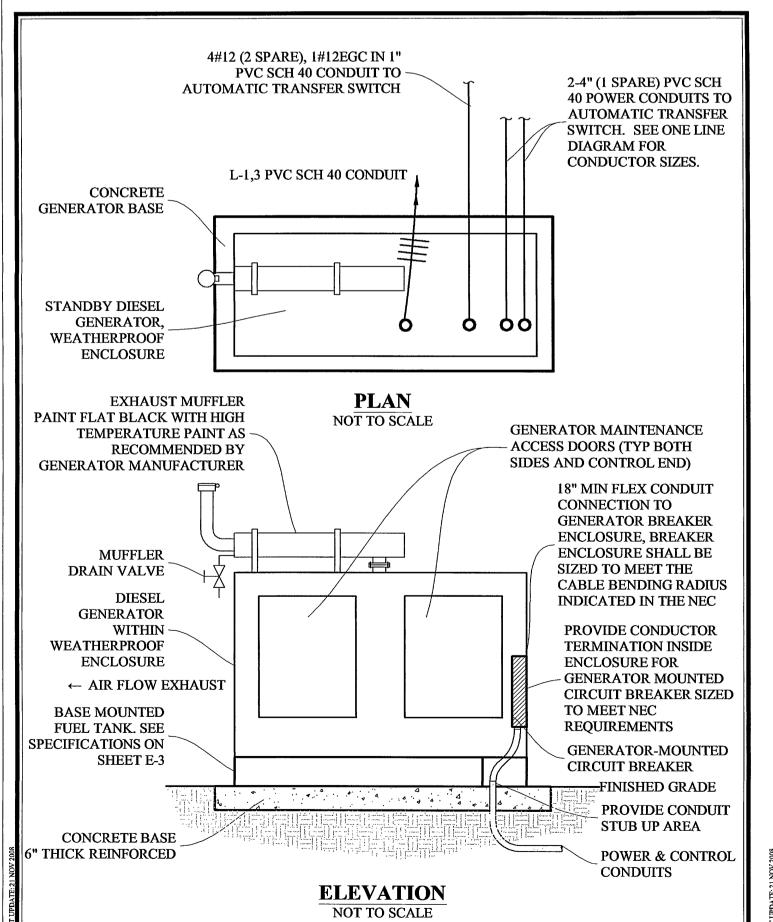
Concrete compressive strength shall meet or exceed 4,000psi at 28 days or as required by the equipement manufacturer. Concrete pad shall be 12 inches greater in each dimension than the equipment itself, or as required by the equipment

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ACS PUMP STATION GENERATOR BASE

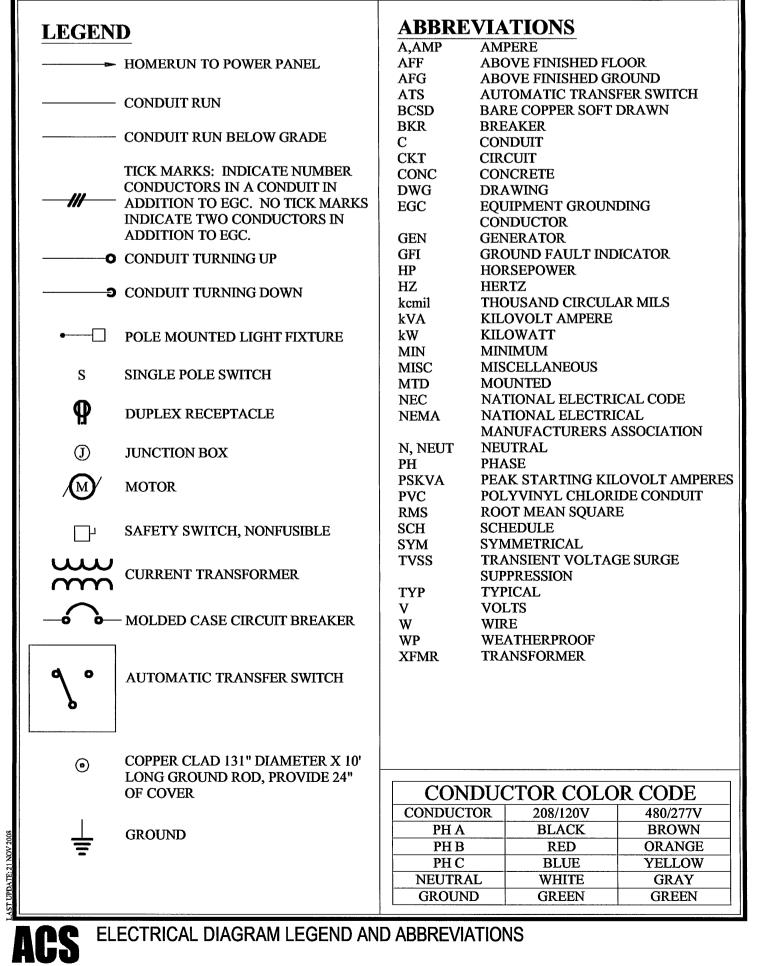
480/277V, 3PH, 4W ELECTRIC SERVICE 2 - 4" PVC SCH 40 CONDUITS FROM METERING COMPARTMENT TO POWER COMPANY SERVICE POLE OR PAD MOUNTED TRANSFORMER. COORDINATE 1-1/4" RSC ~ LOCATION WITH THE POWER COMPANY. POWER METERING TRANSFORMER COMPARTMENT 3 #300 kcmil, 1 #300 kcmil NEUTRAL POWER COMPANY IN A 2L" CONDUIT METER BASE SERVICE ENTRANCE RATED - 200 AMP, 3 POLE AUTOMATIC ELECTRICAL -TRANSFER SWITCH RACK STEEL 45kW, DIESEL GENERATOR 480/277V, 3PH, 4W, 1800 RPM - DIESEL GENERATOR WITHIN A WEATHERPROOF GENERATOR ENCLOSURE MOUNTED 200 AMP CIRCUIT BREAKER GROUND ---16' (TYP.)---BUS 3 #300 kcmil, 1 #300 kcmil NEUTRAL, -1 #4 EGC IN A 2L" CONDUIT, PROVIDE 2L" SPARE C 3 #300 kcmil, 1 #300 kcmil NEUTRAL, 1 #4 EGC IN A 2L" CONDUIT POWER PANEL VENDOR SUPPLIED. XFMR 10KVA CONTROL PANEL - 480-120/240V, 1PH, 3W WITH VARIABLE 480V **TVSS** FREQUENCY DRY TYPE ENCLOSED **PANEL** DRIVES NEMA 4X ∞ (PROGRAMMABLE) SEE PROVIDE #6 BCSD TO AND SOLID STATE NOTE 2 RACK SUPPORT STEEL **OVERLOADS WITH** BAND TO GROUND PHASE LOSS PROTECTION BY SQUARE-D OR WWTP Control Panel EQUAL. 12 HP (connected), 460V, 3PH 2 #6, 1 #6 NEUTRAL, 1 #8 Sub PANEL EGC IN A 1L" CONDUIT Contractor shall coordinate all underground electrical work with all other contract drawings. Transient voltage surge suppression panel (TVSS) shall be model number SF150-277/480-3GY-FCC-4X enclosure as manufactured by current technology or approved equal. ELECTRICAL SERVICE - ONE LINE DIAGRAM

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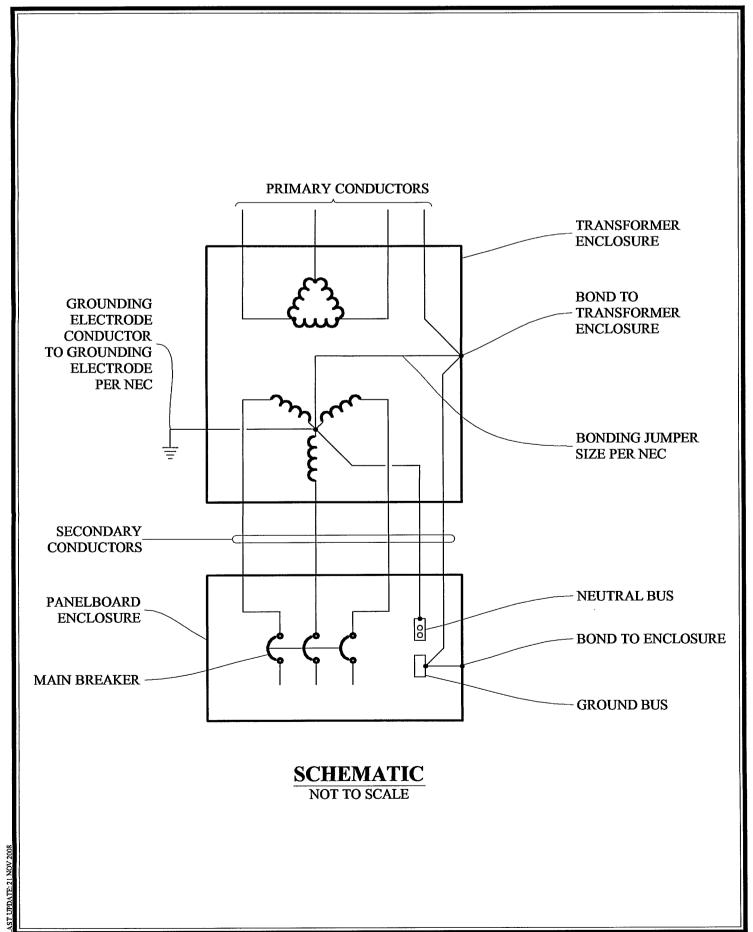


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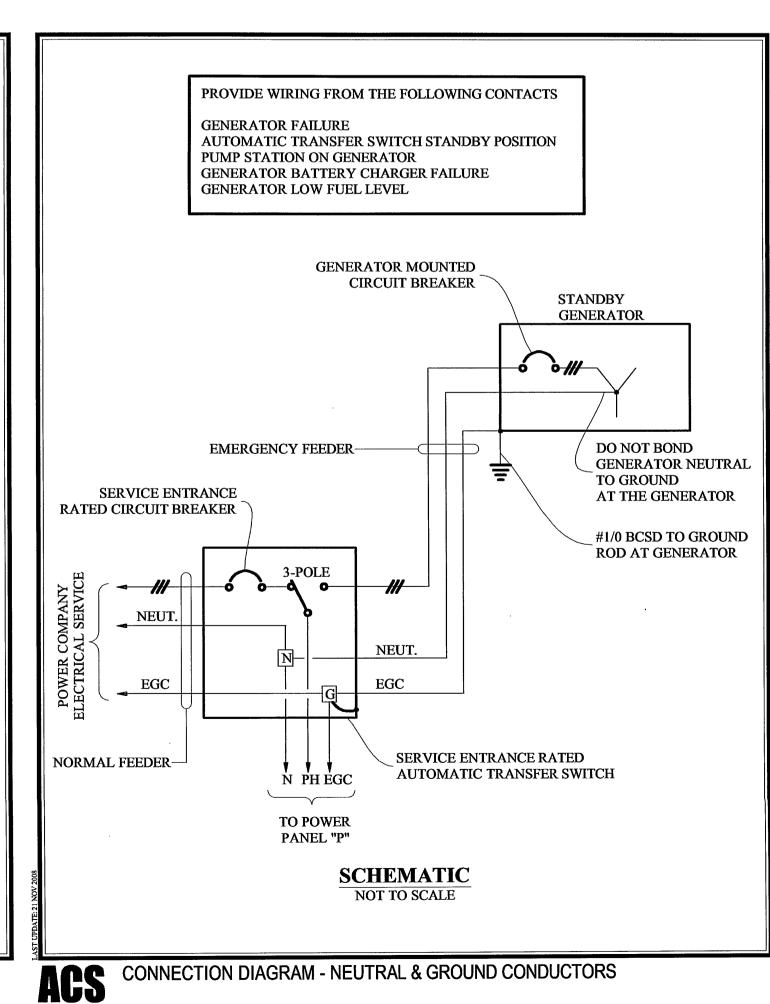
ACS PUMP STATION GENERATOR

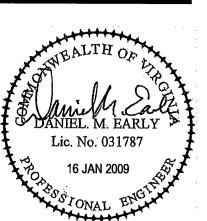












ANDSCAPE ARCHITECTURE **CONSTRUCTION MANAGEMENT**

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DESIGNED BY CHECKED BY: 16 JAN 2009 JOB NUMBER:

REVISIONS:

SHEET NO.:

ELEC. DIAGRAMS AND DETAILS