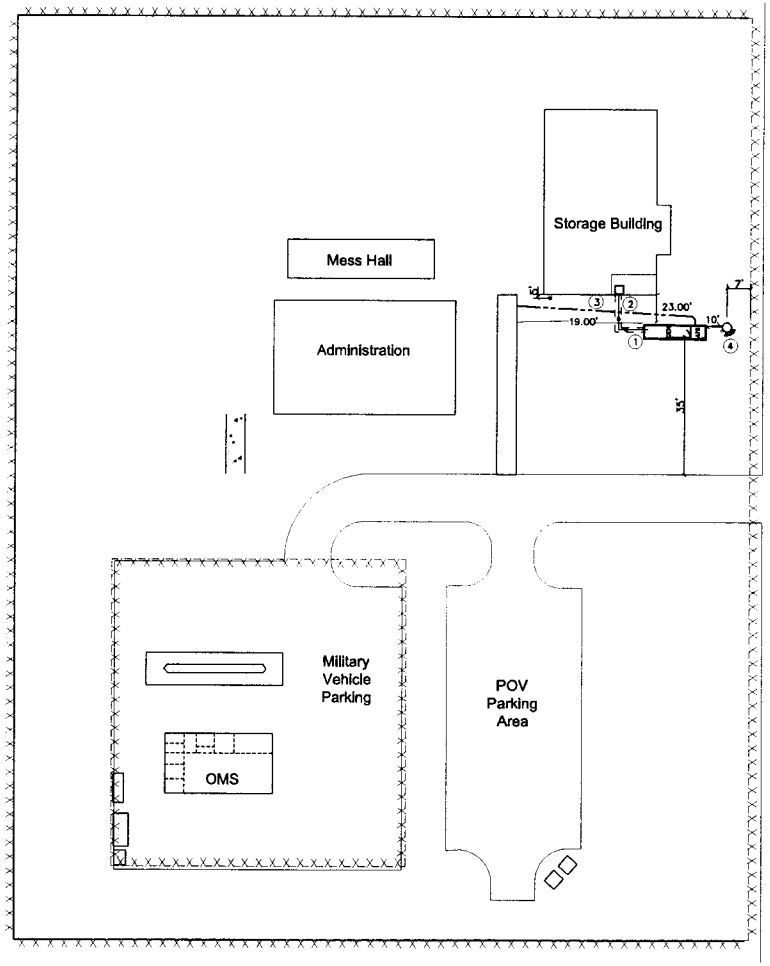
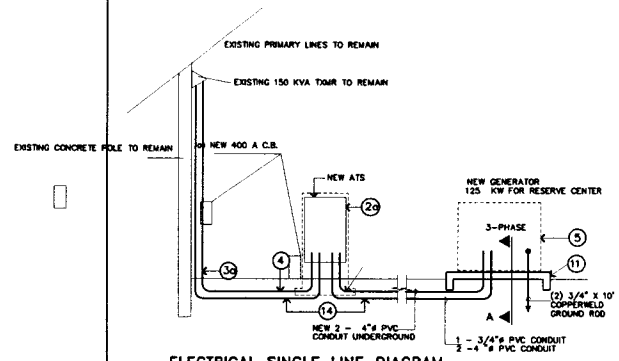


SITE PLAN

SCALE: 1" = 20'

NOTES:

1. DISCONNECT INCOMING WIRES FROM:
   a) 150 KVA TRANSFORMER SECONDARY SIDE
2. INSTALL:
   a) ENCLOSED 400A, CIRCUIT BREAKER AT THE POLE.
   b) INSTALL THE 600A, 3P, AUTOMATIC TRANSFER SWITCH (ATS) ON THE NEW CONCRETE PAD
3. INSTALL FEEDER
   a) ENCLOSED 400A, CIRCUIT BREAKER A TTHE POLE. AND TO THE ATS
   b) ENCLOSED 400A, CIRCUIT BREAKER TO THE 400 AMPS. ATS
3. INSTALL FEEDER ATS:
   a) ENCLOSED 400 AMP, CIRCUIT BREAKER TO THE 400 AMPS. ATS
4. INSTALL GENERATOR CABLES TO ATS, FROM ATS TO GENERATOR
5. INSTALL 125 KW , 3P, 208/120 V WITH AN INTEGRATED DIESEL TANK, AT INDICATED LOCATION. GENERATORS SHALL HAVE NEOPRENE GASKETS FOR VIBRATION
6. ALL EXISTING CIRCUITS SHALL BE REWIRED AND/OR RE-ROUTED TO THE EXISTING 150 KVA TRANSFORMERS AND TO THE ATS IN ORDER TO BE POWERED FROM THE GENERATOR DURING AND EMERGENCY
7. CONTRACTOR SHALL RE-WIRED AND TEST ALL EQUIPMENT TO PROPER OPERATION
8. CONTRACTOR SHALL SAW CUT THE EXISTING SECONDARY RISER TO INSTALL THE JUNCTION BOX (SEE DETAIL BELOW)
9. BOTH EQUIPMENT SHALL BE ATTACHED WITH BOLTS AND NUTS. A NEOPERENE GASKET SHALL BE INSERTED BETWEEN BOTH EQUIPMENT
10. NEW CONCRETE PAD FOR THE GENERATOR -SET, ATS AND DIESEL TANK
11. CONNECT ALL CONDUITS WITH REQUIRED BUSHINGS, LOCKNUT,HUBS, AND END BELLS
12. CONNECT ALL EXISTING SECONDARY TRANSFORMER WIRES TO C.B. WITH 350 MCM
13. EXISTING 4-4" PVC. CONDUITS TO BE WIRED WITH 4 SETS (2 # 350 MCM) CABLES (2 SETS PER EACH 4" CONDUITS). USE BUTT CONNECTORS FOR SPLICING.
    INSTALL NEW SECONDARY TRANSFORMER WIRES TO C.B. WITH 350 MCM
14. CONTRACTOR SHALL SUPPLY ALL NECESSARY FUEL PUMPS AND ACCESSORIES FOR FUEL TRANFERS FROM EXT. TANK TO GENERATOR TANK



ELECTRICAL SINGLE LINE DIAGRAM

N.T.S.

SITE LEGEND:

- EXISTING SECONDARY LINES TO REMAIN
- EXISTING CHAIN LINK FENCE TO REMAIN
- NEW DIESEL FUEL LINES WITH CONCRETE ENVELOPE
- JB — NEW ENCLOSED JUNCTION BOX , N-3R
- NEW SECONDARY LINES 2 SETS (4#350 MCM IN 4" PVC CONDUIT SCH 40 EACH) TO BE INSTALLED AT 36" BELOW FINISHED GRADE
- ATS — NEW AUTOMATIC TRANSFER SWITCH (ATS) 208/120 VOLTS, 600 A, 3 PHASE, NEMA 3R
- NEW 400 GALS DIESEL TANK WITH CONCRETE PAD AND OIL SPILL APRON
- GEN — NEW 125 KW , 208/120 V, DIESEL GENERATOR TO BE INSTALLED ON A CONCRETE PAD

1. NEW GENERATOR 125 KW AND ATS, 600 A., 208/120 V. GEN .POSITION SHALL BE PARALLEL TO THE BUILDING SEE SLAB DETAIL
2. NEW DOUBLE WALL DIESEL TANK 400 GALS. WITH OIL SPILL PREVENTION & INCH APRON AND 3/4" BLACK PIPES
3. EXISTING SECONDARY LINES TO REMAIN
4. EXISTING POLE AND 150 KVA TRANSFORMERS TO REMAIN

EMERGENCY GENERATORS		G-2
DEPARTMENT OF THE ARMY DCSEN FORT BUCHANAN		
GENERATOR FOR PFC LUIS F. GARCIA U.S.ARMY RESERVE CENTER YAUCO, PUERTO RICO		
SIZE: E	CONST. CONTROL NO. PRJ0174573P	FILE NAME PLOT SCALE 1"=50' SHEET 2 OF 3

DATE	DESCRIPTION	BY
REVISIONS		

SFO DWG NO.
JOB ORDER NO.
BTA PROJ NO.
DESIGN BY: A. GARCIA — DRAWN BY: — DATE: NOVEMBER 2008
PROJ MGR — CH ARCHITECT
SFO RVD — F P
SR MGR — DES CHR
ACTIVITY — SATISFACTORY TO

REVISED COPY TO BE USED ALONG WITH AMENDMENT)))))0001