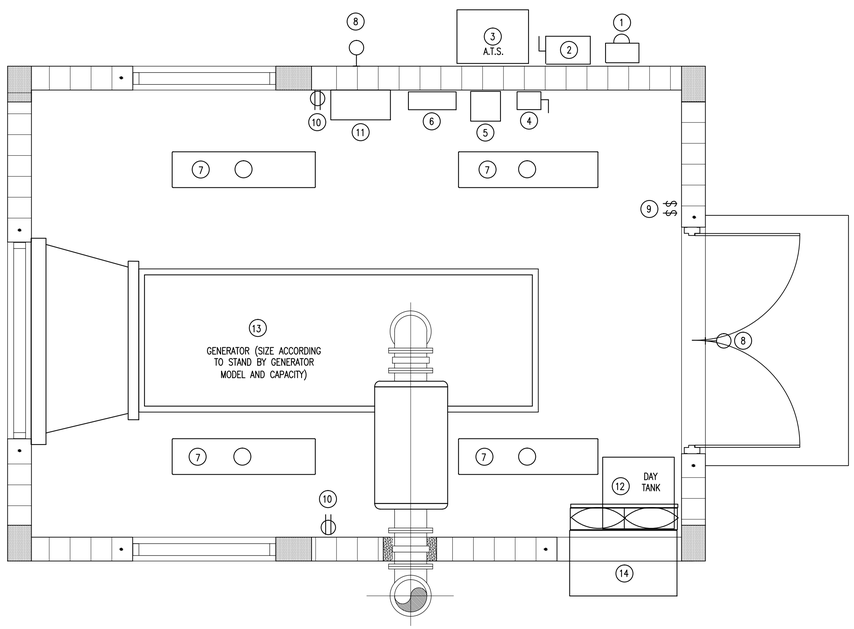
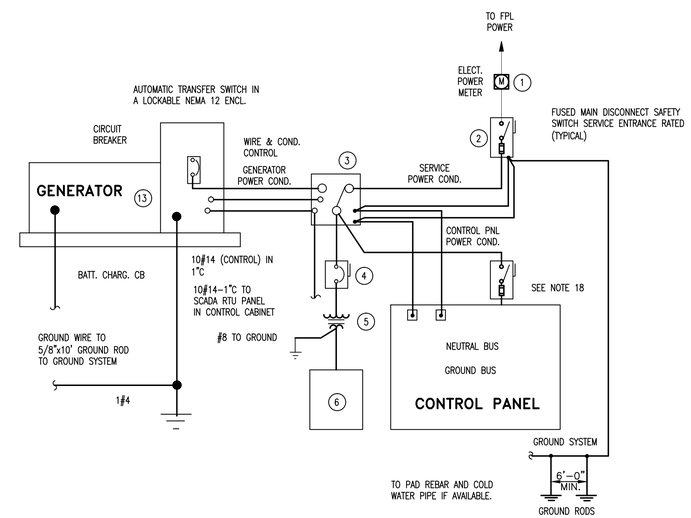
EQUIPMENT LEGEND

1. METER AND LATERAL SERVICE FROM FPL TRANSFORMER.
2. MAIN DISCONNECT SAFETY SWITCH WITH CURRENT LIMITING FUSES SERVICE ENTRANCE RATED IN A LOCKABLE STAINLESS STEEL NEMA 4X ENCLOSURE. INCLUDES SERVICE GROUND SYSTEM.
3. 3 POLE AUTOMATIC TRANSFER SWITCH SIZED AS REQUIRED IN A NEMA 3R OR 4X ENCLOSURE WITH TWO UNDERGROUND CONDUITS TO PUMP STATION CONTROL PANEL, ONE FOR POWER SERVICE SIZED AS REQUIRED AND ONE 1" FOR CONTROL. PROVIDE CONTROL WIRING FROM ATS TO GENERATOR AS REQUIRED.
4. 20 AMP FUSED DISCONNECT OR BREAKER FED FROM A.T.S. LOAD LUGS.
5. SINGLE PHASE 7.5 KVA DRY TYPE TRANSFORMER 480V-120/240V
6. 12 CIRCUITS PANELBOARD WITH 40 AMP, 2P, 240V. MAIN CIRCUIT BREAKER AND (6) 20 AMP, 1P BRANCH BREAKERS FOR INSIDE LIGHTING, OUTSIDE LIGHTING, RECEPTACLES, DAY TANKS, CHARGER, COOLANT HEATER BATTERY AND ONE (1) 20 AMP, 2P BRANCH BREAKER FOR EXHAUST FAN.
7. FOUR (4) CEILING MOUNTED LIGHT FIXTURE DUST AND MOISTURE RESISTANT, EACH WITH (2) 40 WATTS, 120V LAMPS AND CONTROLLED BY A SWITCH MOUNTED ON THE INSIDE WALL BY ENTRANCE DOOR.
8. TWO (2) WALL MOUNTED LIGHT FIXTURES, WITH (1) 70 WATTS HID, 120V LAMP AND CONTROLLED BY A SWITCH MOUNTED ON THE INSIDE WALL BY THE ENTRANCE DOOR.
9. TWO (2) 20 AMP, IP, LIGHT SWITCH WALL MOUNTED AT 48" A.F.F.
10. TWO (2) 20 AMP, IP, 3W, WHEATHERPROOF, G.F.I. DUPLEX RECEPTACLES MOUNTED AT 18" A.F.F.
11. BATTERY CHARGER
12. DAY TANK
13. GENERATOR
14. EXHAUST FAN



ELECTRICAL PLAN

SCALE: 1/2"=1'-0"



ONE LINE DIAGRAM

N.T.S.

MIAMI-DADE COUNTY
Delivering Excellence Every Day

WATER AND SEWER DEPARTMENT
ENGINEERING DIVISION
3071 SW 38TH AVENUE
MIAMI, FLORIDA 33146-2221
305-665 7471
miamidade.gov

PUMP STATION No. 0000
FACILITY OFFICIAL ADDRESS: FLORIDA 33100-0000

DRY WELL/ WET WELL SEWAGE PUMP STATION
2012 WASD DESIGN STANDARD

EMERGENCY GENERATOR BUILDING
ELECTRICAL FLOOR PLAN AND LEGEND

DRAWING HISTORY

RELEASED FOR	DATE	BY
REVIEW 30%		
REVIEW 70%		
REVIEW 100%		
PERMIT		

REVISIONS

No.	DESCRIPTION	DATE	BY

APPROVALS

CHIEF ENGINEER:
SECTION HEAD:
PROJECT MGR.:
DESIGNED: X.X.X. CHECKED: X.X.X.
DRAWN: X.X.X. FINAL CHECK: X.X.X.

XXXXXXX XXXXX
XXXXXXXXXX Engineer
State of Florida - License No. 00000
Date:_____

ER No. : S000000 PCTS No. : 00000
FILE NAME: 00000E06.DWG
DATE: AUG. 28, 2012 SCALE: AS NOTED
SHEET E-6
DWG. No. S-00000-A