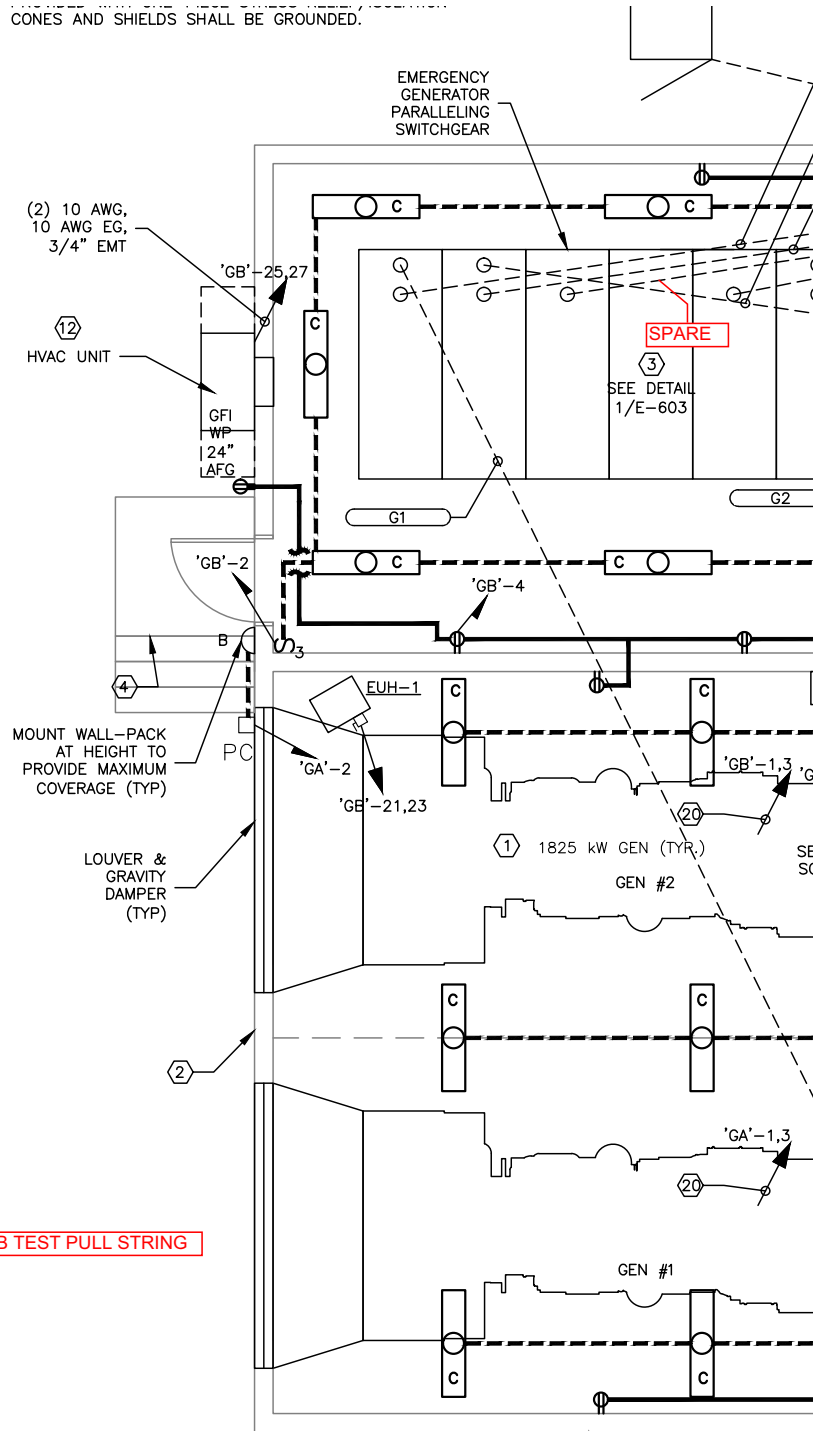


- (2) ENCLOSURE BUILDING, WITH INTEGRAL GENERATOR SETS AND SUB-BASE TANKS, AND CONDITIONED ELECTRICAL GEAR RM
- EMERGENCY PARALLELING SWITCHGEAR, METAL-CLAD, 13.8 kV, 1200A, 500 MVA CLASS, 25 KAIC, MINIMUM 95 kV BIL DRAWOUT GEAR
- (3) ENCLOSURE ENTRY/EGRESS LANDINGS, STEEL 5'x5', WITH RAILINGS AND STAIRS. (TYP. 3) SEE DETAIL 5/A-101
- (5) HANDHOLE. SEE DETAILS ON SHEET 1/E-502
- (6) 4" DIRECT BURIED CONDUIT WITH (2) 1-1/4" INNERDUCTS FROM SWITCHGEAR ROOM TO BLDG 28 BASEMENT TELCO CAGE. LAY METALIZED TAPE DIRECTLY OVER CONDUIT. INSTALL FLAT METALIZED PULL TAPE IN EACH INNERDUCT.
- (7) FUEL STORAGE TANKS: 12,000 GALLONS EACH, UL-2085 LISTED REINFORCED ABOVE GROUND STORAGE TANKS, CONVAULT OR EQUAL.
- (8) FUEL TREATMENT (POLISHING) STATION. EQUAL TO SIMPLX "SMARTFILTER" MODEL SFG10C.
- (9) DAY TANK FUEL TRANSFER STATION. EQUAL TO SIMPLX SPS-25-SD.
- (10) REMOTE FUEL FILL STATION. EQUAL TO SIMPLX "AUTOMATIC FUELPORT" FOR TWO TANK AUTOMATED FILLING FROM PUMPER DELIVERY TRUCK.
- (11) 1-1/4" CONDUIT & SPARE FROM STORAGE TANKS TO GENERATOR ROOM REMOTE ALARM STATION AND TO FUEL REMOTE FILL STATION FOR FUEL LEVEL AND LEAK ALARM MONITORING.
- (12) HVAC UNIT
- (13) 1-1/4" CONDUIT FOR FUEL SUMP INSTRUMENTATION
- (14) 2-10 AWG, 10 AWG EG IN 1" POWER C TO REMOTE AUTOMATIC FUEL PORT & RECEPTACLE. CONDUCTORS OVERSIZED DUE TO VOLTAGE DROP.
- (15) FUEL TANK REMOTE LEVEL ALARM & INDICATION
- (16) 1-1" CONDUIT, FIRE ALARM
1-1" CONDUIT, SPARE
1-4" CONDUIT, WITH (3) 1-1/4" INNER DUCTS, CONTROL & ALARM
1-2" CONDUIT, SPARE
- (17) CONTROL, MONITORING, & ALARMS PULL BOX FOR CABLE ENTRY TO BUILDING 74. SIZE AS REQUIRED, 12"x12"x6" MINIMUM. PAINT TO MATCH BRICK.
- (18) RE-FEED EXISTING & EXISTING RELOCATED PARKING LOT LIGHTING FROM NEW PANEL 'GA'.
- (19) FEED NEW STREET LIGHT FROM EXISTING ABANDONED STREET LIGHT FEEDER FROM BUILDING 56.
- (20) (2) 8 AWG, 8 AWG EG, 3/4" EMT FOR GENERATOR BLOCK HEATERS
- (21) LOAD BANK SWITCHED TERMINAL BOX FOR 13.8 KV LOAD BANK. EQUAL TO S&C PMH-3 OR PMH-5.

CONES AND SHIELDS SHALL BE GROUNDED.



CONDUIT FILL SCHEDULE

TAG	DESCRIPTION
G1	(3) 2 AWG 15kV, 2 AWG NEUTRAL 2 AWG EG, 4" CONDUIT
G2	(3) 2 AWG 15kV, 2 AWG NEUTRAL, 2 AWG EG, 4" CONDUIT
52-NT-B (FT1)	(3) 3/0 AWG 15kV, 3/0 AWG NEUTRAL 2 AWG EG, 4" CONDUIT
52-NT-F (FT2)	(3) 3/0 AWG 15kV, 3/0 AWG NEUTRAL 2 AWG EG, 4" CONDUIT
52-EP-A	(3) 2 AWG 15kV, 2 AWG EG, 4" CONDUIT
52-EP-C	(3) 2 AWG 15kV, 2 AWG EG, 4" CONDUIT
52-EP-E	(3) 3/0 AWG 15kV, 2 AWG EG, 4" CONDUIT
52-EP-G	(3) 2 AWG 15kV, 2 AWG EG, 4" CONDUIT
52-EP-H	(3) 2 AWG 15kV, 2 AWG EG, 4" CONDUIT

UNLESS OTHERWISE NOTED, MV CIRCUITS SHALL BE (3) 2 AWG 15kV, 2 AWG EG, IN 4" CONDUIT.

SPARE | 4" CONDUIT w/ 200 LB TEST PULL STRING

ELECTRICAL NOTES:

- UNLESS OTHERWISE NOTED, LOW-VOLTAGE ELECTRICAL CIRCUITS SHALL BE (2) 12 AWG, 12 AWG EG, THHN/THWN CONDUCTORS IN 3/4" EMT CONDUIT.
- UNLESS OTHERWISE INDICATED, MEDIUM-VOLTAGE CONDUCTORS SHALL BE PROVIDED AS A TAPED SET OF (3) 15KV CU, 2 AWG, COPPER TAPE SHIELDED, TRIPLE-EXTRUDED 15 kV EPR 133% INSULATION, PULLED IN 4" CONDUIT WITH 2 AWG GREEN THWN INSULATED STRANDED COPPER EG.
- CONDUIT ROUTINGS ARE DIAGRAMMATIC & APPROXIMATE ONLY. CONTRACTOR IS RESPONSIBLE FOR PROPER STUB-UP LOCATIONS.

PRE-FABRICATED GENERATOR ENCLOSURE

3
E-106

EPSS POWER +

SCALE: 1/4" = 1'



ENGINEERS/ARCHITECT:

Professional Stamp/Seal

Drawing Title
SITE POWER PLAN, EXISTING
BUILDING POWER PLAN AND

WALDON STUDIO

