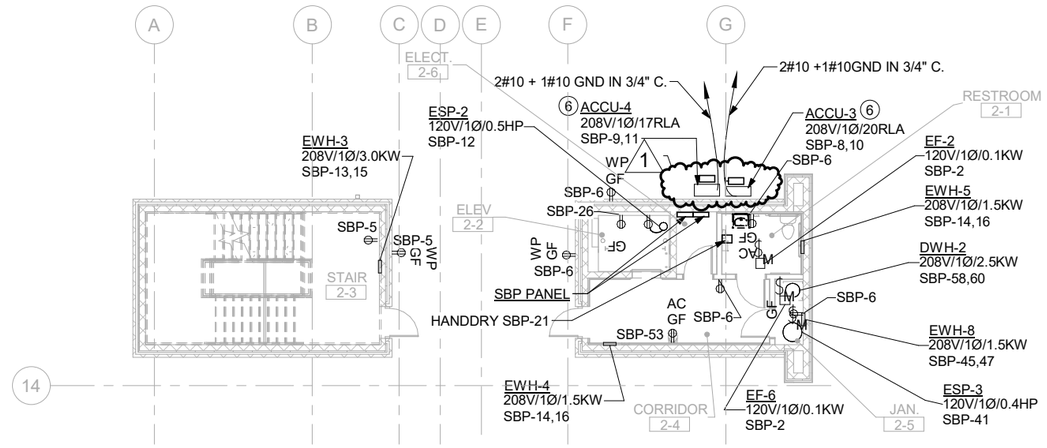
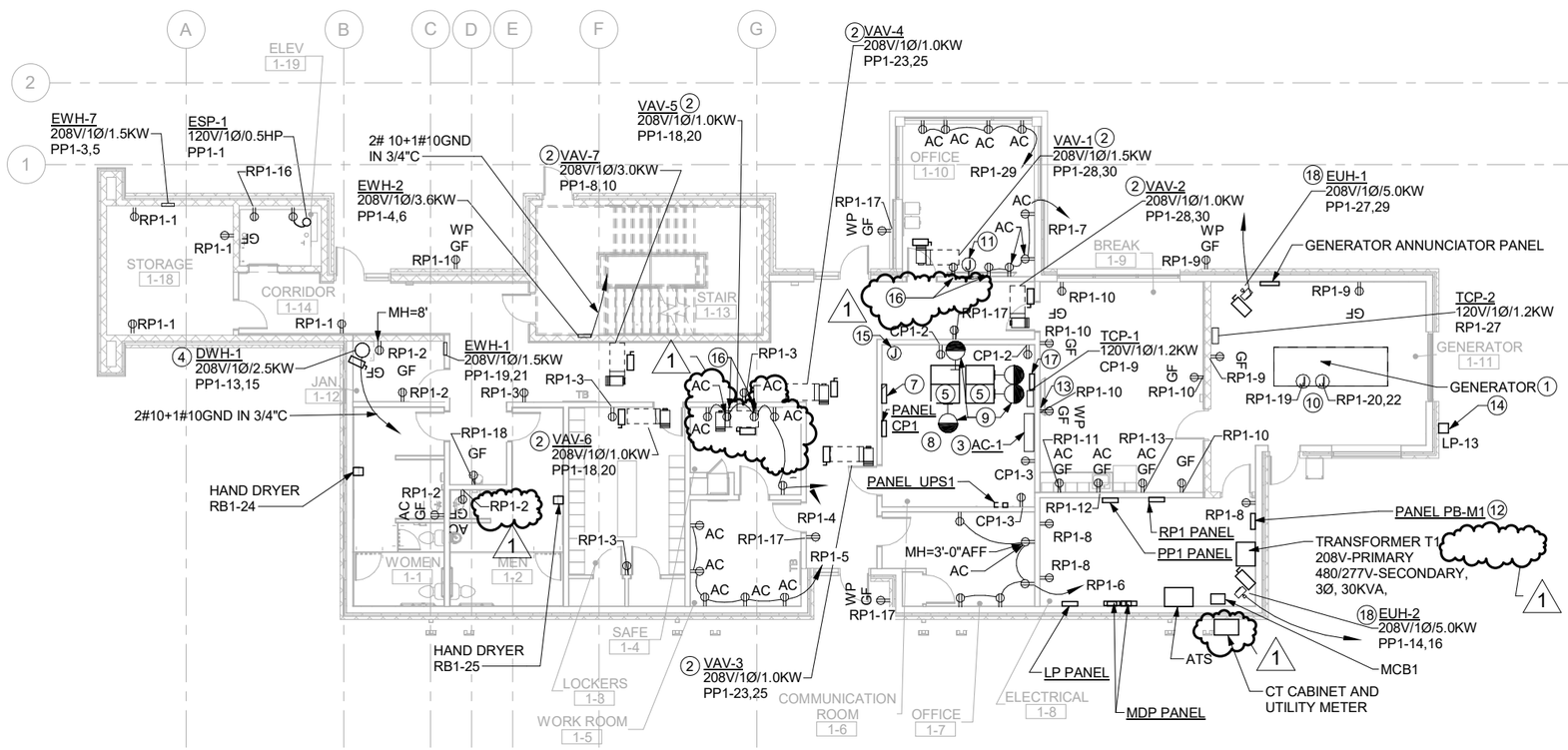


SECONDARY BUILDING FIRST FLOOR - POWER

2 E104

1/16" = 1'-0"



MAIN UTILITY BUILDING FIRST FLOOR POWER PLAN

1 E104

1/16" = 1'-0"

GENERAL NOTES

1. REFER TO HVAC AND PLUMBING SCHEDULES FOR POWER REQUIREMENTS.
2. FOR ELECTRICAL RISER DIAGRAM, SEE SHEET E116. FOR PANELBOARD SCHEDULES, SEE SHEET E118-E127.

KEY NOTES:

1 PROVIDE A 208/120, 3Ø, 300KW DIESEL GENERATOR WITH A 530 GALLON BASE MOUNTED FUEL TANK. PROVIDE 2#12 + 1#12 GRD FOR BATTERY CHARGER AND 2#12 + 1#12 GRD FOR BLOCK HEATER, ALL IN 1" C. PROVIDE (2) 1" CONDUITS TO ATS FOR CONTROL WIRING.

2 PROVIDE 208V, 2PST, 30A FUSED DISCONNECT SWITCH. FUSE PER UNIT MANUFACTURERS RECOMMENDATION.

3 EQUIPMENT IS POWERED BY CORRESPONDING OUTDOOR UNIT AND DOES NOT REQUIRE ADDITIONAL ELECTRICAL CONNECTION.

4 PROVIDE 208V, 2PST, 30A NON-FUSED SAFETY SWITCH.

5 COMMUNICATIONS RACK SHALL CONTAIN SECURITY, TELECOMM, TOLLING, CAMERA EQUIPMENT REFER TO I104 DRAWING FOR MORE INFORMATION.

6 PROVIDE 208V, 2PST, 30A FUSED DISCONNECT SWITCH IN A NEMA 3R ENSLOSURE. FUSE PER UNIT MANUFACTURER'S RECOMMENDATION.

7 FIRE ALARM PANEL CIRCUIT TO PANEL CP1–1, 120V/1Ø/1000W.

8 PROVIDE 3/4" FIRE RETARDANT, PAINTED WHITE, ON ALL WALLS FOR MOUNTING OF COMMUNICATIONS EQUIPMENT.

9 PROVIDE 4 NEMA L6-30 RECEPTACLE MOUNTED TO TOP OF COMMUNICATIONS RACK. PROVIDE 2#10 + 1#10 GND IN 3/4"C HOMERUN. ALL 3 WILL BE CIRCUITED TO PANEL CP1 (4-6), (8-10), (12-14) AND (22,24).

10 GENERATOR BATTERY 120V, 1.0KW CIRCUIT TO PANEL RP1 & BLOCK HEATER 208V/1Ø/1.5KW CIRCUIT TO PANEL RP1.

11 PROVIDE 4 GANG BOX WITH 4 SWITCHES FOR MAUNAL CONTROL OF THE GATES. ONE SWITCH FOR EACH GATE. MOUNT ON WALL AT 4'-0" AFF.

12 PROVIDE (2) 3" EMPTY CONDUITS WITH PULLSTRING ROUTED TO EXTERIOR PULLBOX LOCATED OUTSIDE OF GENERATOR ROOM FOR ROADWAY LIGHTING CIRCUITS. LIGHTING CIRCUITS SHALL BE PROVIDED BY ROADWAY LIGHTING CONTRACTOR.

13 MOUNT RECEPTACLE 60" AFF FOR TV IN BREAK RM 1-9.

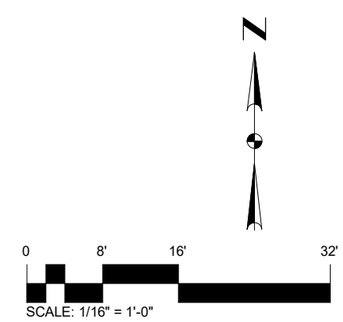
14 PROVIDE AN AUTOMATIC FUEL PORT (REMOTE DIESEL FUEL FILL STATION) FOR FILLING THE GENERATOR BASE MOUNTED FUEL TANK. REMOTE FILL STATION PROVIDES AN EXTERIOR CONNECTION OF THE FILL HOSE AND CAPTURES SPILLS THAT MAY OCCUR AT THE FILLING POINT DURING FILLING OPERATIONS. THE FILL STATION SHALL INCLUDE A CONTROLLER, 2-3" INLET DISCONNECT, 7-GALLON SPILL CONTAINMENT, AND GROUND STUD IN A NEMA 3R LOCKABLE ENCLOSURE. THE CONTROLLER SHALL PROVIDE LEVEL SENSORS, TANK FULL AUDIBLE/VISUAL ALARM, HIGH LEVEL CONTROL POWER SWITCH, VALVE OPEN/CLOSE PUSH BUTTONS, AS MANUFACTURED BY SIMPLEX OR EQUAL.

15 FUTURE DEVICE CIRCUITED TO PANEL CP1-13.

16 RECEPTACLES MH=6'-5" AFF FOR T.V.

17 ACCESS CONTROL PANEL CIRCUITED TO PANEL CP1-5.

18 PROVIDE 208V, 2PST, 60A FUSED DISCONNECT SWITCH. FUSE PER MANUFACTURERS RECOMMENDATION. PROVIDE 2#8+1#10GRD IN 3/4"C.



DESIGN AGENCY
PRIME AE
540 White Pond Drive, Ste. E
Akron, Ohio 44320
(330)-864-7755

NO.	REVISIONS	BY	DATE
1	ADDENDUM #1		4/9/2021

DESIGNED RNS | DRAWN RNS | CHECKED CEK | IN CHARGE CEK

POWER PLAN - 1ST FLOOR

WESTGATE

WILLIAMS COUNTY

PROJECT 58-21-01

DATE: 3/1/2021

E104

151 / 214

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

4/14/2021 10:02:20 AM