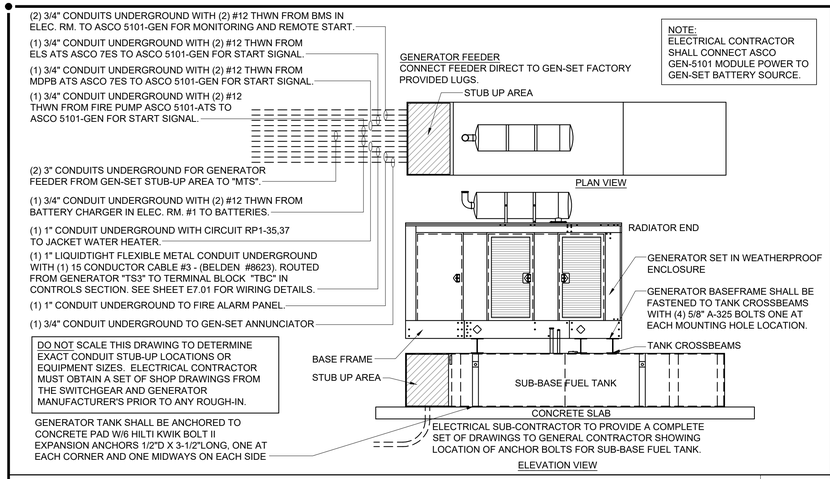
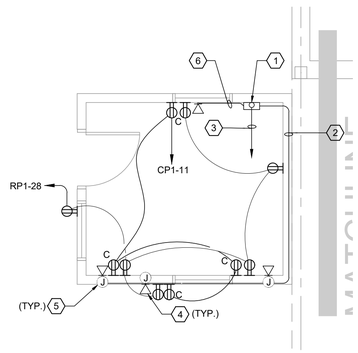



## SCHEMATIC INSTALLATION DIAGRAM OF GEN-SET

SCALE: NTS

05




## RECEIVING OFFICE POWER PLAN

SCALE: 1/4" = 1'-0"

04

## NOT USED

SCALE: NTS

03

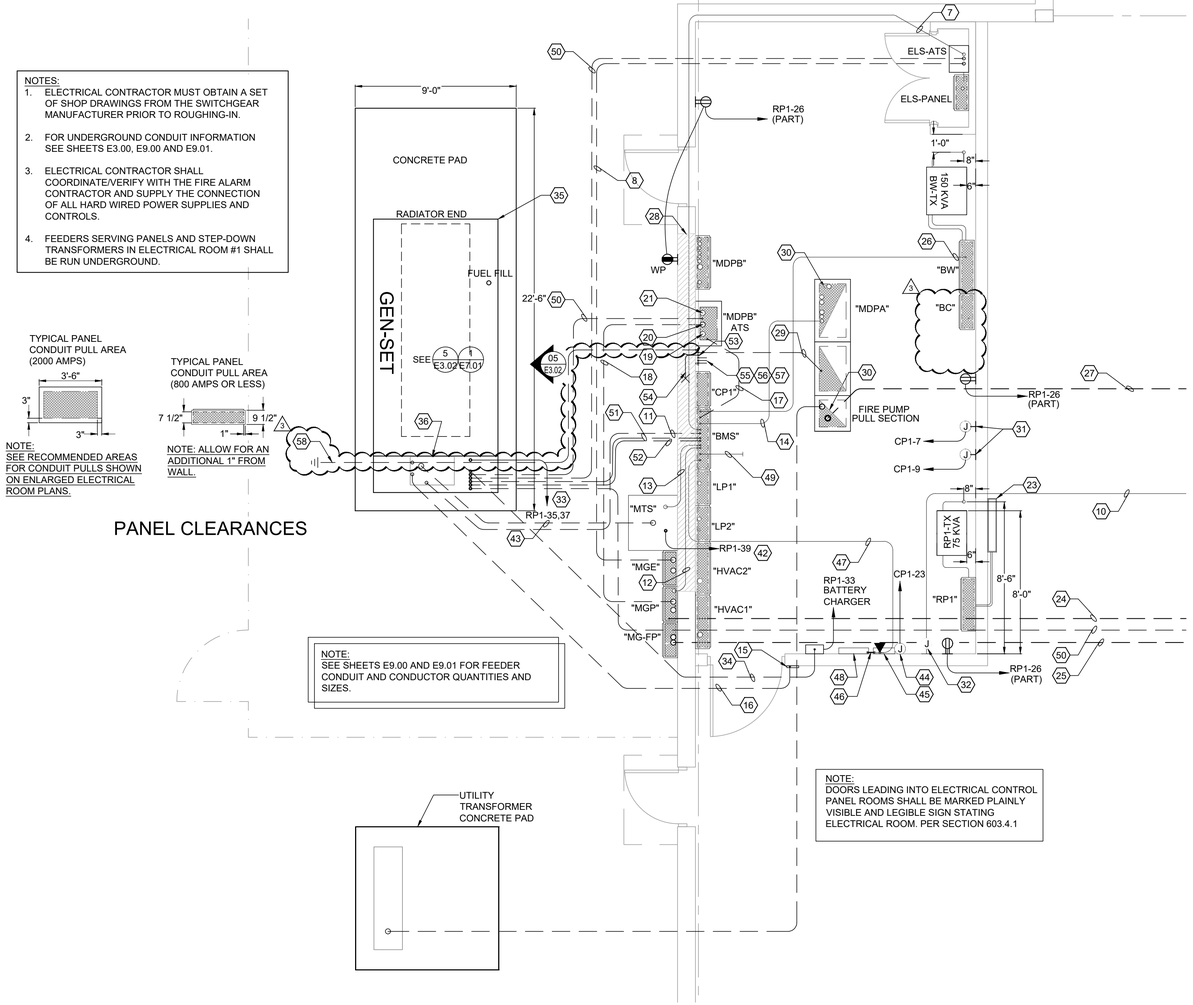
## SHEET NOTES

1. SEE GENERAL NOTES ON SHEET E1.00.
2. FOR SALES FLOOR CONTINUATION SEE 1-E3.00.
3. ALL WEATHER RESISTANT RECEPTACLES SHALL HAVE AN EXTRA DUTY ENCLOSURE THAT IS WEATHERPROOF WITH THE PLUG INSERTED (IN USE).
4. ANY MULTIPLE CIRCUIT RUN IN A SINGLE CONDUIT FROM SINGLE POLE BREAKERS SHALL HAVE A DEDICATED NEUTRAL PULLED WITH EACH CIRCUIT.
5. UNDERGROUND FEEDERS SHALL BE RUN UNDER THE SLAB IN CODE APPROVED SCHEDULE 40 PVC CONDUIT PROVIDED THE FOLLOWING REQUIREMENTS AND ANY ADDITIONAL REQUIREMENTS OF THE CODE ARE SATISFIED: AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED IN EACH RACEWAY. PVC CONDUIT MAY BE USED FOR UNDERGROUND STRAIGHT RUNS ONLY. ALL TURNS MUST BE ACCOMPLISHED WITH RIGID METALLIC CONDUIT TO AVOID ANY POSSIBILITY OF DAMAGE DURING WIRE PULLING. DRAWING IS SCHEMATIC. RUN UNDERGROUND USING THE MOST DIRECT ROUTE POSSIBLE. INSTALL 18 INCHES BELOW BOTTOM OF STONE BASE. (SEE DETAIL 6-E6.02).

## KEYED NOTES

1. 8"x8"x4" JUNCTION BOX SURFACE MOUNTED ON WALL AT 10'-0" AFF.
2. 1" CONDUIT FROM 8"x8" BOX RUN TO 4"x4" JUNCTION BOXES INSTALLED FLAT ON TOP OF WALL.
3. 1-1/2" C. OVERHEAD TO CABLE TRAY FOR VOICE/DATA WIRING.
4. VOICE/DATA 4"x4" OUTLET WITH 2"x4" TRIM RING.
5. 3/4" IN WALL FROM JUNCTION BOX DOWN TO THE VOICE/DATA OUTLETS.
6. 3/4" CONDUIT FROM 8"x8" BOX TO VOICE/DATA OUTLET.
7. 1" CONDUIT FOR CONTROL CABLE #2 TO "ELS" ATS. SEE SHEETS E7.00 AND E7.01 FOR WIRING DETAILS.
8. "ELS" GEN-SET FEEDER. SEE SHEETS E9.00 AND E9.01 FOR FEEDER SIZE.
9. NOT USED.
10. 3/4" CONDUIT FROM JUNCTION BOX TO CABLE TRAY FOR FUTURE PHONE LINE FOR POWER METER.
11. 1" CONDUIT FOR CABLE #3 TO GEN-SET. SEE SHEETS E7.00 AND E7.01 FOR WIRING DETAILS.
12. 1" CONDUIT FOR CABLE #4 TO BREAKER "MGP". SEE SHEETS E7.00 AND E7.01 FOR WIRING DETAILS.
13. 1" CONDUIT FOR CABLE #5 TO "MTS". SEE SHEETS E7.00 AND E7.01 FOR WIRING DETAILS.
14. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL BELDEN 9341 CABLE IN 1" LIQUIDTIGHT FLEXIBLE METAL CONDUIT UG FOR SQUARE-D PM8000 METER. ELECTRICAL CONTRACTOR TO MAKE FINAL CONNECTIONS.
15. GEN-SET ANNUNCIATOR WALL MOUNTED AT 44" ABOVE FINISHED FLOOR AND 12" OFF DOOR OPENING TO BE INSTALLED BY ELECTRICAL CONTRACTOR. (SUPPLIED WITH GEN-SET).
16. 3/4" CONDUIT WITH (5) #14 AWG STRANDED CONDUCTORS TO GEN-SET ANNUNCIATOR.
17. 1" CONDUIT FOR CABLE #1 TO "MDPB" ATS. SEE SHEETS E7.00 AND E7.01 FOR WIRING DETAILS.
18. "MDPB" GEN-SET FEEDER. SEE SHEETS E9.00 AND E9.01 FOR FEEDER SIZE.
19. BOTTOM FEED - NORMAL.
20. BOTTOM FEED - EMERGENCY.
21. BOTTOM FEED - LOAD.
22. NOT USED.
23. 6"x6"x3'-0" WIRE TROUGH. MOUNT AT 5'-0" ABOVE FINISHED FLOOR. INSTALL (1) 1" CONDUIT WITH LB FROM PANEL "RP1" THROUGH WALL INTO TROUGH. TROUGH IS FOR WIRES TO RECEPTACLES FOR APPLIANCE TESTING. SEE SHEET E3.00 FOR EXACT NUMBER OF RECEPTACLES AND MOUNTING HEIGHT.
24. 1" CONDUIT WITH (2) #12 FOR FIRE PUMP SHUNT TRIP CIRCUIT. ROUTE FROM LOAD SHED CONTACTOR IN FIRETROL CONTROLLER TO GEN-SET 600 AMP SHUNT TRIP BREAKER AT BREAKER "MGP".
25. CONDUIT FOR FIRE PUMP FEEDER. ROUTE FROM BREAKER "MG-FP" TO SPRINKLER ROOM. SEE SHEETS E9.00 AND E9.01 FOR CONDUIT/FEEDER SIZE.
26. OVERHEAD BMS CONTROL WIRING. (5) #12 CONDUCTORS IN 1" CONDUIT OH. ELECTRICAL CONTRACTOR SHALL LABEL BOTH ENDS OF CONDUCTORS. CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR IN TOP OF CABINETS TO TERMINAL STRIPS PER SQUARE D/IPACS WIRING DIAGRAMS WHICH ARE INCLUDED WITH SWITCHGEAR PACKAGE.
27. CONDUIT FOR FIRE PUMP FEEDER. ROUTE FROM PULL SECTION TO SPRINKLER ROOM. SEE SHEETS E9.00 AND E9.01 FOR CONDUIT/FEEDER SIZE.
28. 20' CONCRETE ENCASED GROUNDING ELECTRODE (UFER).
29. #3/0 CU. GROUND, 1-1/4" CONDUIT TO MAIN GROUNDING BUSBAR (MGB).
30. CONDUIT STUB-UP AREA.
31. 4"x4"x2-1/8" JUNCTION BOX MOUNTED AT 5'-0" ABOVE FINISHED FLOOR FOR SECURITY/FIRE ALARM SYSTEMS.
32. EXTEND A 3/4" CONDUIT FROM THIS JUNCTION BOX TO THE POWER COMPANY METER.
33. JACKET WATER HEATERS (TO BE COORDINATED WITH GENERATOR MANUFACTURER).
34. INSTALL (2) #12 UNDERGROUND FROM BATTERY CHARGER TO BATTERIES IN 3/4" CONDUIT.
35. FUEL TANK SUB-BASE. COORDINATE SIZE OF TANK FOR 36 HR AND 72 HR REQUIREMENTS.
36. ELECTRICAL STUB UP AREA. LOCATION SHALL BE COORDINATED WITH GENERATOR SET SUPPLIER SHOP DRAWINGS.
37. STUB THRU SALES FLOOR WALL AT BAR JOISTS
38. (1) 2-1/2" CONDUIT FOR CABLE ACCESS FROM LP ROOM GOING UP WALL AND STUB THROUGH WALL TO SALES FLOOR. INSTALL NYLON BUSHINGS ON ENDS OF CONDUIT. TERMINATE IN LP OFFICE AT 12" ABOVE FINISHED CEILING.
39. 3/4" CONDUIT. STUB UP 6" ABOVE TOP OF WALL. TERMINATE WITH PLASTIC BUSHINGS.
40. MOUNT RECEPTACLES AND DATA OUTLETS IN LP OFFICE, MONEY AND PICK-UP ROOMS AT 42" ABOVE FINISHED FLOOR.
41. TURN DOWN WALL AND TERMINATE CONDUIT AT 1'-0" ABOVE FINISHED CEILING.
42. CIRCUIT FOR STRIP HEATER PROVIDED WITH AND LOCATED IN THE EXTERIOR "MTS".
43. GENERATOR FEEDER TO "MTS".
44. CIRCUIT FOR NXAC-120 BACNET-T INTERFACE AND NX48 DIMMING PANEL.
45. NXAC-120 BACNET-T INTERFACE.
46. CAT5 CABLE FROM NXAC-120 BACNET-T INTERFACE TO NX48 DIMMING PANEL.
47. 1/2" CONDUIT WITH CAT5E ETHERNET CABLE FROM "BMS" TO DATA JACK LOCATED AT THE NXAC-120 BACNET-T INTERFACE.
48. HUBBELL NX48 DIMMING PANEL.
49. 3/4" CONDUIT. STUB UP 6" ABOVE TOP OF WALL FROM "BMS" CABINET. TERMINATE WITH PLASTIC BUSHINGS.
50. 3/4" CONDUIT WITH (2) #12 AWG THWN CONDUCTORS, UN-SPLICED, START SIGNAL FROM ATS TO START SIGNAL INTEGRITY MONITOR IN GEN-SET.
51. 3/4" CONDUIT WITH (2) #12 AWG THWN CONDUCTORS, UN-SPLICED, FROM START SIGNAL INTEGRITY MONITOR IN GEN-SET TO BMS CABINET FOR MONITORING (DRY CONTACTS).
52. 3/4" CONDUIT WITH (2) #12 AWG THWN CONDUCTORS, UN-SPLICED, START SIGNAL FROM BMS TO START SIGNAL INTEGRITY MONITOR IN GEN-SET FOR REMOTE START.
53. MAIN GROUNDING BUSBAR (MGB). SEE SHEET E6.06 FOR DETAILS AND ADDITIONAL INFORMATION.
54. #3/0 CU. GROUND, TO CONCRETE ENCASED GROUNDING ELECTRODE (UFER).
55. #3/0 CU. GROUND FROM MGB TO WATER SERVICE AT SPRINKLER ROOM. SEE SHEET E6.06.
56. #3/0 CU. GROUND FROM MGB TO INTERSYSTEM GROUND BUSBAR IN TELE/DATA ROOM. SEE SHEET E6.06.
57. #3/0 CU. GROUND, FROM MGB TO BUILDING STEEL.
58. 5/8" X 10'-0" COPPER CLAD STEEL GROUNDING ELECTRODE WITH AN UNDERSLAB #6 GROUNDING ELECTRODE CONDUCTOR.

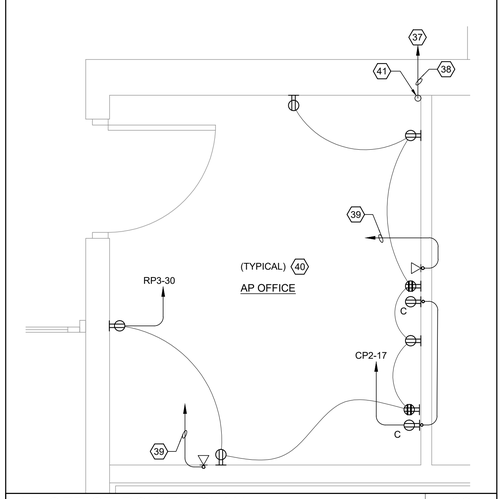
NOTES:
1. ELECTRICAL CONTRACTOR MUST OBTAIN A SET OF SHOP DRAWINGS FROM THE SWITCHGEAR MANUFACTURER PRIOR TO ROUGHING-IN.
2. FOR UNDERGROUND CONDUIT INFORMATION SEE SHEETS E3.00, E9.00 AND E9.01.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE/VERIFY WITH THE FIRE ALARM CONTRACTOR AND SUPPLY THE CONNECTION OF ALL HARD WIRED POWER SUPPLIES AND CONTROLS.
4. FEEDERS SERVING PANELS AND STEP-DOWN TRANSFORMERS IN ELECTRICAL ROOM #1 SHALL BE RUN UNDERGROUND.




## ELECTRICAL ROOM #1 POWER PLAN

SCALE: 1/4" = 1'-0"

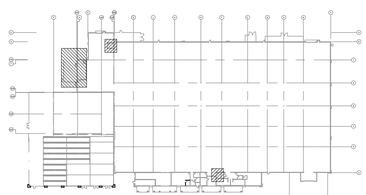
01




## AP OFFICE POWER PLAN

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

02



## KEY PLAN

SCALE: NTS

| REVISIONS ◇ PRE-BID SET ISSUE DATE △ POST BID SET ISSUE DATE | | |
|---|---|---|
| DATE | | DESCRIPTION |
| 10.10.2025 | 1 | PLAN REVIEW COMMENTS |
| 10.07.2026 | 3 | CRITERIA UPDATES |

Carl Page — Digitally signed by Carl Page DN: c=US, o=Perry M. Petrillo Architects PC, cn=Carl Page, Sr.Cert, title=Page, ou=US Date: 2026.10.05 10:39:08-04'00'

STATE OF FLORIDA PROFESSIONAL ENGINEER

10.05.2025

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ENLARGED ELECTRICAL POWER PLANS AND SCHEMATICS

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PROJECT No: 24259
DRAWN BY: JBM | CHECKED BY: CARP

CRITERIA ISSUE DATE: 02-2025
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CONSTRUCTION SET ISSUE DATE: 04-14-2025
DRAWING NUMBER:

E3.02

| ORIGINAL | SECOND | FINAL |
|---|---|---|
| | | |