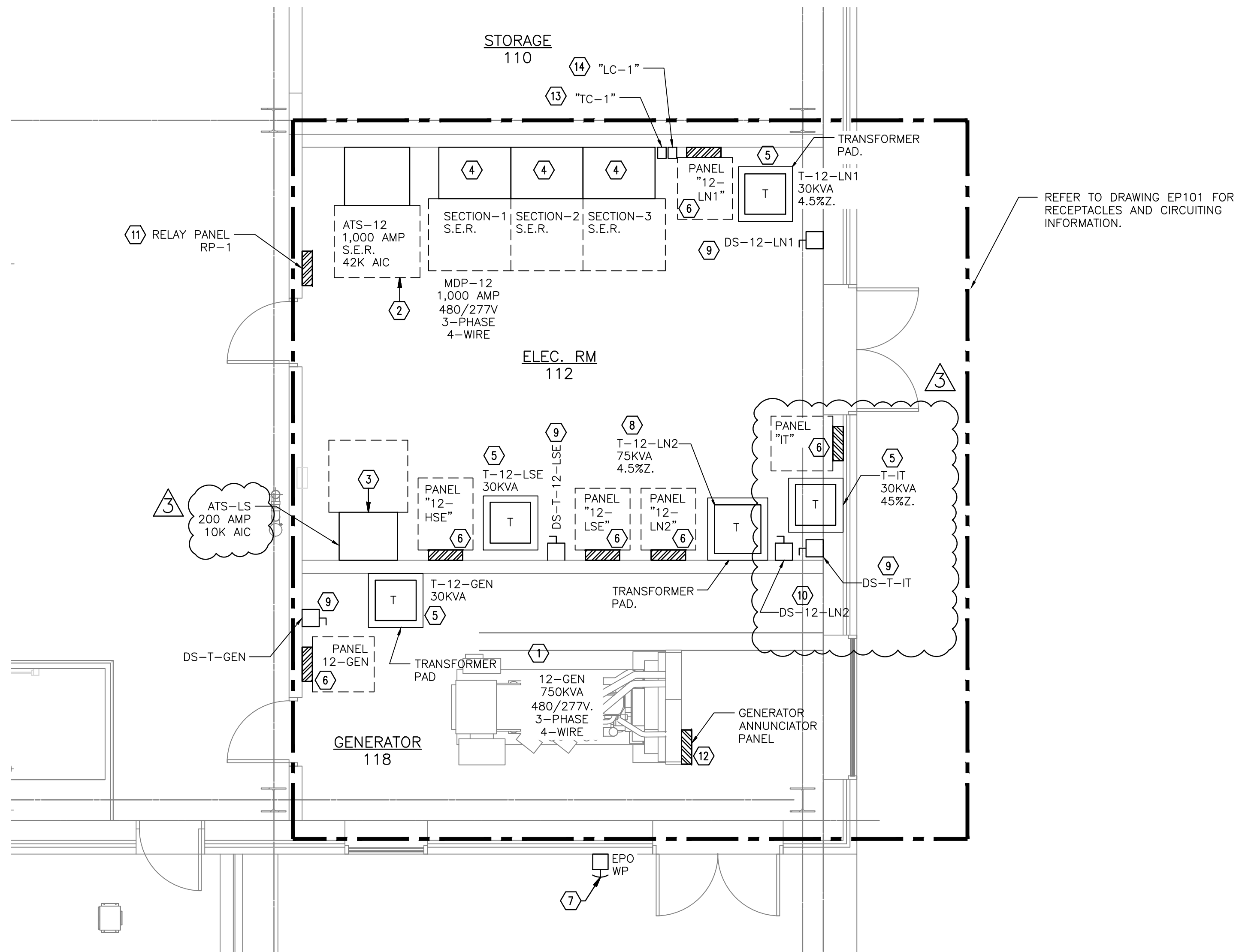


ELECTRICAL POWER KEY NOTES

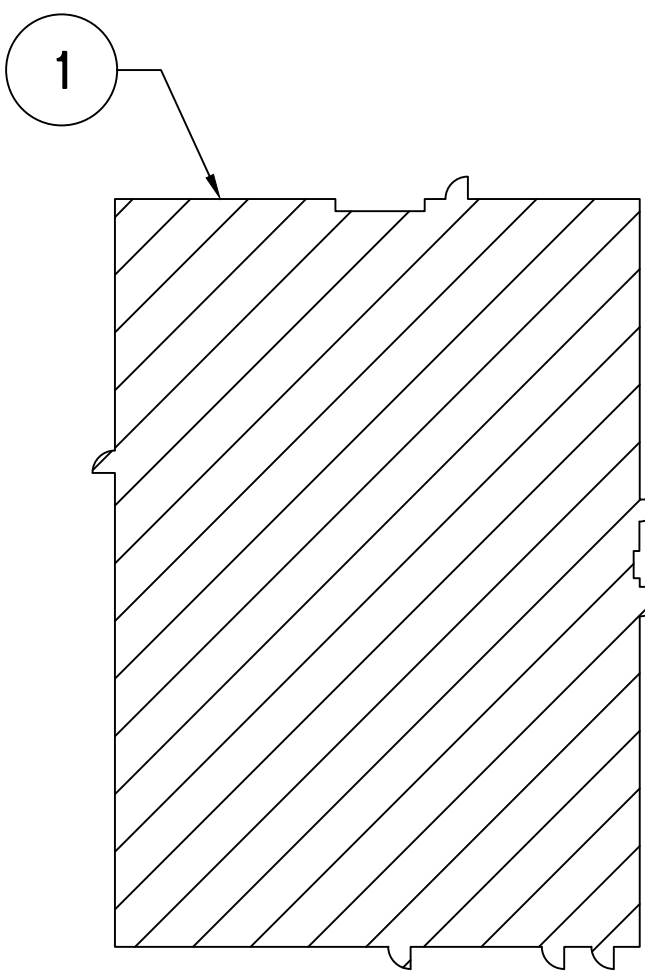
1. PROVIDE 750KVA, 480/277 VOLT, EMERGENCY GENERATOR, GENERATOR SHALL COME FURNISHED WITH "DAY TANK"
2. PROVIDE 1,000 AMP, 4-POLE, 480/277 VOLT, 3-PHASE, 4-WIRE, 42K AIC, SERVICE ENTRANCE RATED AUTOMATIC TRANSFER SWITCH.
3. PROVIDE 200 AMP, 4-POLE, 480/277 VOLT, 3-PHASE, 4-WIRE, 10K AIC, AUTOMATIC TRANSFER SWITCH, LIFE SAFETY BRANCH.
4. PROVIDE MAIN DISTRIBUTION BOARD "MDP-12", IT SHALL BE: 1,000 AMP, 480/277 VOLT, 3-PHASE, 4-WIRE, 42K AIC, SERVICE ENTRANCE RATED, MAIN DISTRIBUTION PANEL BOARD.
5. PROVIDE 30KVA, 480 VOLT PRIMARY, 120/208 VOLT SECONDARY, DRY TYPE, 3-PHASE, 4-WIRE, 4.5%Z, FLOOR / PAD MOUNTED TRANSFORMER, REFER TO DRAWING 1/E-501 FOR ADDITIONAL INFORMATION.
6. PROVIDE NEW PANEL AS INDICATED, REFER TO EP600 SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
7. PROVIDE EMERGENCY POWER OFF (EPO) BUTTON AS INDICATED, REFER TO DRAWING 6/EP501 FOR ADDITIONAL INFORMATION. PROVIDE A WEATHERPROOF CLEAR PLASTIC COVER ON DEVICE, COVER SHALL BE WEATHERPROOF.
8. PROVIDE 75KVA, 480 VOLT PRIMARY, 120-208 VOLT SECONDARY, DRY-TYPE 3-PHASE, 4-WIRE, 4.5%Z, FLOOR / PAD MOUNTED TRANSFORMER, REFER TO DRAWING 1/E-501 FOR ADDITIONAL INFORMATION.
9. PROVIDE 100 AMP DISCONNECT SWITCH, FUSED WITH 3-100 AMP FUSES, NEMA 1 ENCLOSURE.
10. PROVIDE 400 AMP DISCONNECT SWITCH, FUSED WITH 3-225 AMP FUSES, NEMA 1 ENCLOSURE.
11. THE CONTRACTOR SHALL PROVIDE LIGHTING RELAY PANEL "RP-1", REFER TO DETAILS 2&3/EL503 FOR ADDITIONAL INFORMATION.
12. THE CONTRACTOR SHALL PROVIDE EMERGENCY GENERATOR ANNUNCIATOR PANEL AS INDICATED.
13. PROVIDE DIGITAL PROGRAMMABLE TIMECLOCK.
14. PROVIDE 4-POLE, 120 VOLT COIL AND CONTACTS, ELECTRICALLY HELD LIGHTING CONTACTOR.

ELECTRICAL POWER GENERAL NOTES

- A. REFER TO DRAWING E-001 FOR ELECTRICAL LEGEND, GENERAL NOTES, AND ABBREVIATIONS RELATED TO THIS SHEET.
- B. REFER TO ELECTRICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- C. ALL RECEPTACLES SHALL BE INSTALLED AT 18" A.F.F. UNLESS NOTED OTHERWISE.
- D. ALL CONDUITS TO BE CONCEALED WITHIN ALL WALLS UNLESS NOTED OTHERWISE.
- E. ALL CONDUIT USED SHALL BE 3/4" MINIMUM.
- F. SOME WORK UNDER THIS CONTRACT WILL REQUIRE WORK DUTIES TO BE PERFORMED AFTER NORMAL WORKING HOURS. DETERMINATION OF SPECIFIC WORK DUTIES TO BE PERFORMED AFTER HOURS SHALL BE MADE BY VA STAFF AT THEIR CONVENIENCE. POSSIBLE WORK REQUIRING AFTER HOURS APPROVAL INCLUDES, BUT IS NOT LIMITED TO: POWER OUTAGES, DISRUPTION OF SERVICES, EXTREME NOISE AND / OR VIBRATION, CUTTING AND PATCHING OF CONCRETE AND DELIVERIES OF EQUIPMENT.
- G. DASHED LINE IN FRONT OF ELECTRICAL EQUIPMENT REPRESENTS CLEARANCE REQUIREMENTS PER NEC ARTICLE 110.
- H. THE CONTRACTOR SHALL PROVIDE HOUSE KEEPING PADS FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT.
- I. ALL TRANSFORMERS INDICATED ON THIS DRAWING SHALL BE PAD/FLOOR MOUNTED.



1 ENLARGED ELECTRICAL ROOM PLANS
SCALE 1/4" = 1'-0"



KEY PLAN - FIRST FLOOR
NOT TO SCALE

ADDENDUM 1	08-09-2024
ADDENDUM 2	08-23-2024
ADDENDUM 3	01-24-2025
Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title	ENLARGED ELECTRICAL ROOM PLANS
Approved: Project Director	

Phase	100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED	

Project Title	SIoux FALLS BOILER PLANT
Location	VAMC-Sioux Falls: 2501 W 22nd St, Sioux Falls, SD 57105
Issue Date	06/25/2024

Project Number	438-22-900
Building Number	12 12
Drawing Number	EP102