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## GENERAL SHEET NOTES

- A COORDINATE GROUND RING ROUTING WITH OTHER UTILITIES.
- B PROVIDE MAGNETIC TAPE OVER ALL BURIED GROUND CONDUCTORS.
- C PROVIDE COPPER GROUND RING UNDERGROUND AROUND THE BUILDING BONDED TO THE LIGHTNING PROTECTION SYSTEM DOWN CONDUCTORS AND BUILDING STEEL. PROVIDE A GROUND RING ABOVE GRADE ATTACHED TO THE BUILDING ON INSULATORS AND BOND TO ALL METALLIC MATERIAL INCLUDED METAL BUILDING, DOOR FRAME, DOOR, HVAC EQUIPMENT, HVAC DUCTS, VENT PIPES.
- D PROVIDE BURIED GROUNDING CONNECTIONS WITH EXOTHERMIC WELD.
- E DESIGN SHOWN IS DIAGRAMMATIC AND INTENDED TO SHOW THE GROUNDING ELECTRODE SYSTEM. VERIFY THE DIMENSIONS AND SITE CONDITIONS.
- F GROUND METALLIC PIPES AT TWO LOCATIONS USING AN APPROVED CLAMP WITHIN 5 FEET OF SERVICE ENTRANCE.
- G MAINTAIN RACEWAY ELECTRICAL CONTINUITY. METALLIC CONDUIT, SLEEVES, AND RACEWAYS SHALL NOT BE USED IN LIEU OF CIRCUIT EQUIPMENT GROUNDING CONDUCTORS.
- H BOND ALL METALLIC UNDERGROUND PIPING ENTERING THE STRUCTURE TO THE LIGHTNING PROTECTION SYSTEM AT ITS NEAREST POINT USING #6 AWG BARE CU.
- J PROVIDE COMPLETE LIGHTNING PROTECTION SYSTEM TO MEET NFPA 780 REQUIREMENTS WITH UL LISTED COMPONENTS AND MATER LABEL CERTIFICATION.
- K CONNECT EXIT SIGN TO UNSWITCHED CIRCUIT.
- L PROVIDE EXTERIOR LIGHTING WITH PHOTOCELL AND MOTION SENSOR TO DIM TO 50%.

JACOBS

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Exp. Date: 12/31/2024

STATE OF ARKANSAS

REGISTERED PROFESSIONAL ENGINEER

PAUL D. WALKER  
No. 12803  
09-18-2024

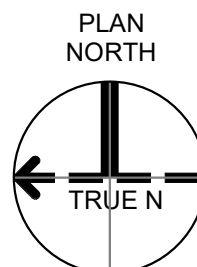
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Compressor-Building  
Camden OSD  
Calhoun County, Arkansas  
Aerojet Rocketdyne

ELECTRICAL  
POWER, GROUNDING AND LIGHTING  
PLAN

SHEET NO		EP101
SCALE	1/8" = 1'-0"	
DATE	09/18/2024	
PROJ	D3754502	
DWG	CMON-OSD_Compressor-Building_EP101	

## GRAPHIC SCALE(S)



PLOT DATE/TIME: 9/16/2024 8:53:53 AM

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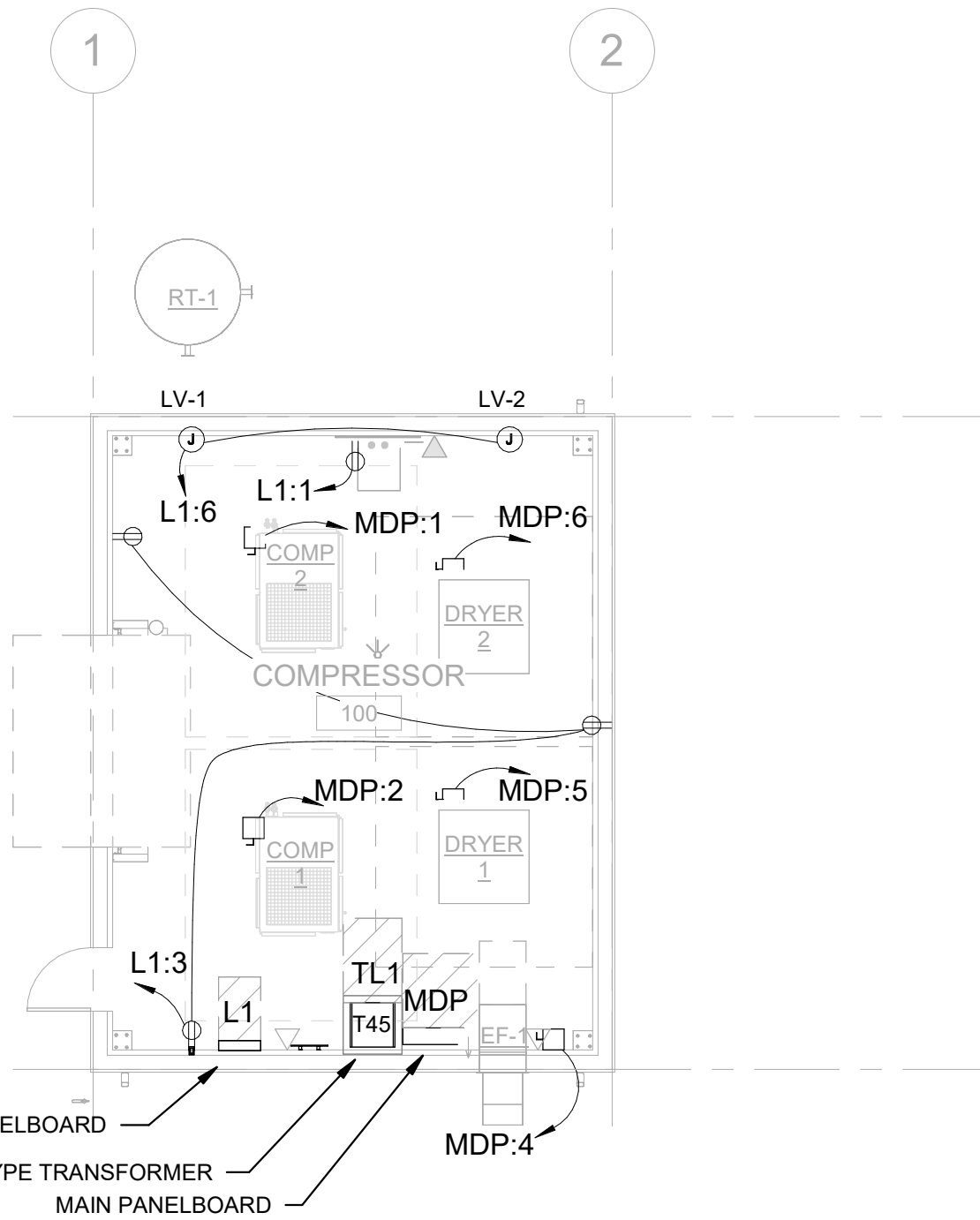
C

B

A

## C1 LIGHTING PLAN

SCALE 1/8" = 1'-0"

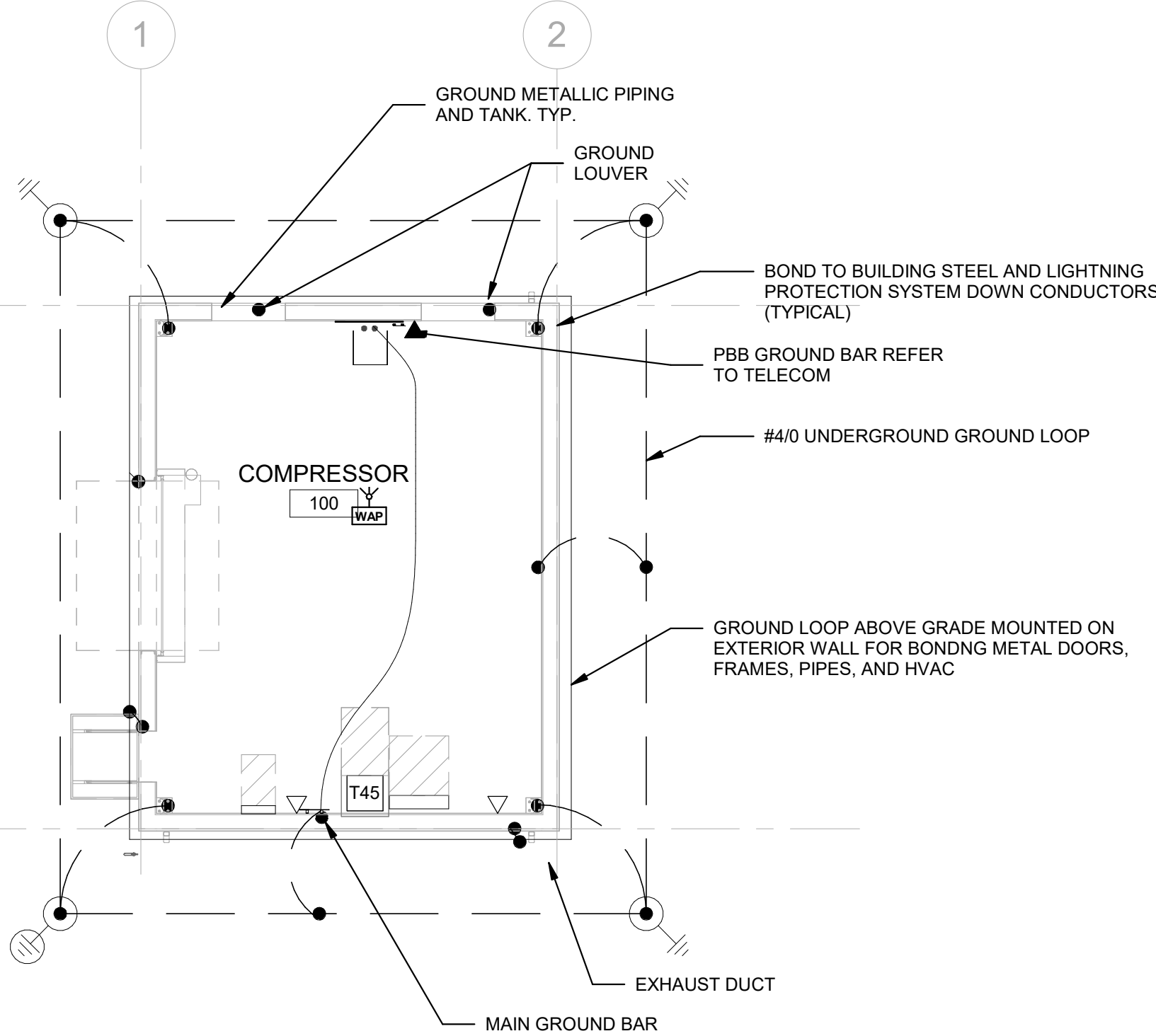


## A1 POWER PLAN

SCALE 1/8" = 1'-0"

## C2 GROUNDING PLAN

SCALE 1/8" = 1'-0"



## EQUIPMENT CONNECTIONS - CCH

ID	VOLT	POLES	LOAD	FLA	MCA	OCPD RATING	D/S RATING	PANEL	CIRCUIT	WIRE/CONDUIT
COMP-1	480 V	3	102970 VA	125.0 A	156.0 A	250 A	BY EQUIP MFR	MDP 2		3-#250KCMIL, 1-#4 GROUND IN 2-1/2"C.
COMP-2	480 V	3	102970 VA	125.0 A	156.0 A	250 A	BY EQUIP MFR	MDP 1		3-#250KCMIL, 1-#4 GROUND IN 2-1/2"C.
DRYER-1	480 V	3	8470 VA	10.2 A	12.8 A	20 A	BY EQUIP MFR	MDP 5		3-#12, 1-#12 GROUND IN 3/4"C.
DRYER-2	480 V	3	8470 VA	10.2 A	12.8 A	20 A	BY EQUIP MFR	MDP 6		3-#12, 1-#12 GROUND IN 3/4"C.
EF-1	480 V	3	2000 VA	1.6 A	2.0 A	20 A	BY EQUIP MFR	MDP 4		3-#12, 1-#12 GROUND IN 3/4"C.