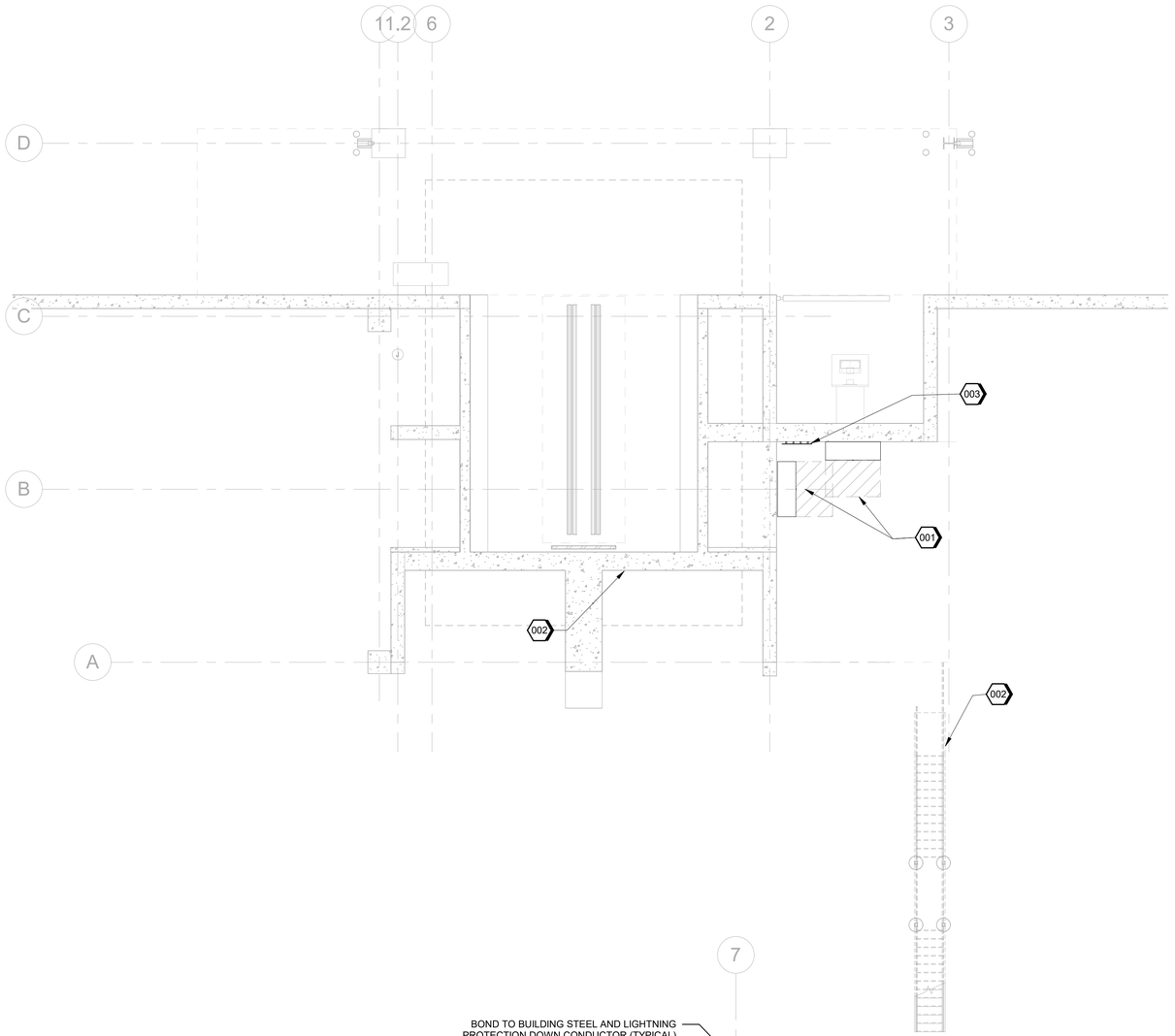
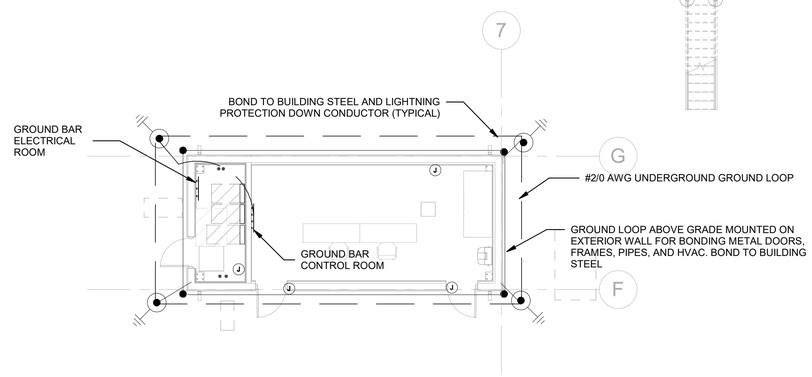
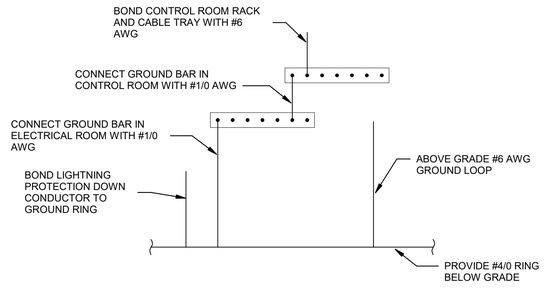




A1 GROUNDING PLAN
SCALE 1/8" = 1'-0"



A3 GROUNDING RISER DIAGRAM
SCALE NTS

GENERAL SHEET NOTES

A REFER TO SHEET E-001 FOR GENERAL NOTES & SYMBOL LEGEND.
B COORDINATE GROUND RING ROUTING WITH OTHER UTILITIES.
C PROVIDE MAGNETIC TAPE OVER ALL BURIED GROUND CONDUCTORS.
E ALL BURIED CONNECTIONS MUST BE EXOTHERMIC WELDS.
F DESIGN SHOWN IS DIAGRAMMATIC AND INTENDED TO SHOW THE GROUNDING ELECTRODE SYSTEM. VERIFY THE DIMENSIONS AND SITE CONDITIONS.
G GROUND METALLIC PIPES AT TWO LOCATIONS USING AN APPROVED CLAMP WITHIN 5 FEET OF SERVICE ENTRANCE.
H MAINTAIN RACEWAY ELECTRICAL CONTINUITY. METALLIC CONDUIT, SLEEVES, AND RACEWAYS SHALL NOT BE USED IN LIEU OF CIRCUIT EQUIPMENT GROUNDING CONDUCTORS.
J THOROUGHLY CLEAN AND COAT ALL CONTACT SURFACES AND APPLY TO CONDUCTOR AND LUG UL-LISTED COPPER BASED CONDUCTIVE GREASE RATED FOR GROUNDING AND PROTECTION OF COPPER AND STEEL SURFACE.
K BOND ALL METALLIC UNDERGROUND PIPING ENTERING THE STRUCTURE TO THE LIGHTNING PROTECTION SYSTEM AT ITS NEAREST POINT USING #6 AWG BARE CU.
L PROVIDE LIGHTNING PROTECTION SYSTEM TO MEET NFPA 780 AND MASTER LABEL CERTIFICATION.

#SHEET KEYNOTES

001 PROVIDE GROUNDING #1 AWG FOR CONTROL PANEL ENCLOSURE.
002 PROVIDE GROUNDING FOR RAILING AND STAIRS WITH #6 AWG.
003 PROVIDE GALVANIZED STEEL CHANNEL SUPPORT, CONCRETE PAD, ANCHOR BOLTS, AND GROUNDING FOR ELECTRICAL EQUIPMENT.

GRAPHIC SCALE(S)

0 4' 8' 16' 24'
1/8" = 1'-0"

PLAN NORTH
TRUE N

NO	DATE	DSGN
0	09/18/2024	100% ISSUED FOR CONSTRUCTION - EXPANSION

Designer DR Author CHK Checker APVD Approver
REVISION BY AM APVD TM

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Date: 9/17/2024

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 12803
RANDALL D. WILLIAMS
09-18-2024
SEAL

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Test Stand and SAT Building
Camden OSD
Calhoun County, Arkansas
Aerojet Rocketdyne

Jacobs NABHOLZ

ELECTRICAL
GROUNDING PLAN

SHEET NO	EG101
SCALE	As indicated
DATE	09/18/2024
PROJ	D3754502
DWG	CMDN-OSD_Test Stand and SAT Building_EG101

PLOT DATE/TIME: 9/16/2024 9:41:46 AM

9/16/2024 9:41:46 AM EG101
Autodesk Docs://US_D3754500_FED_Aerojet Rocketdyne/D3754500_CMDN_OSD_Test-Stand_ELEC.rvt