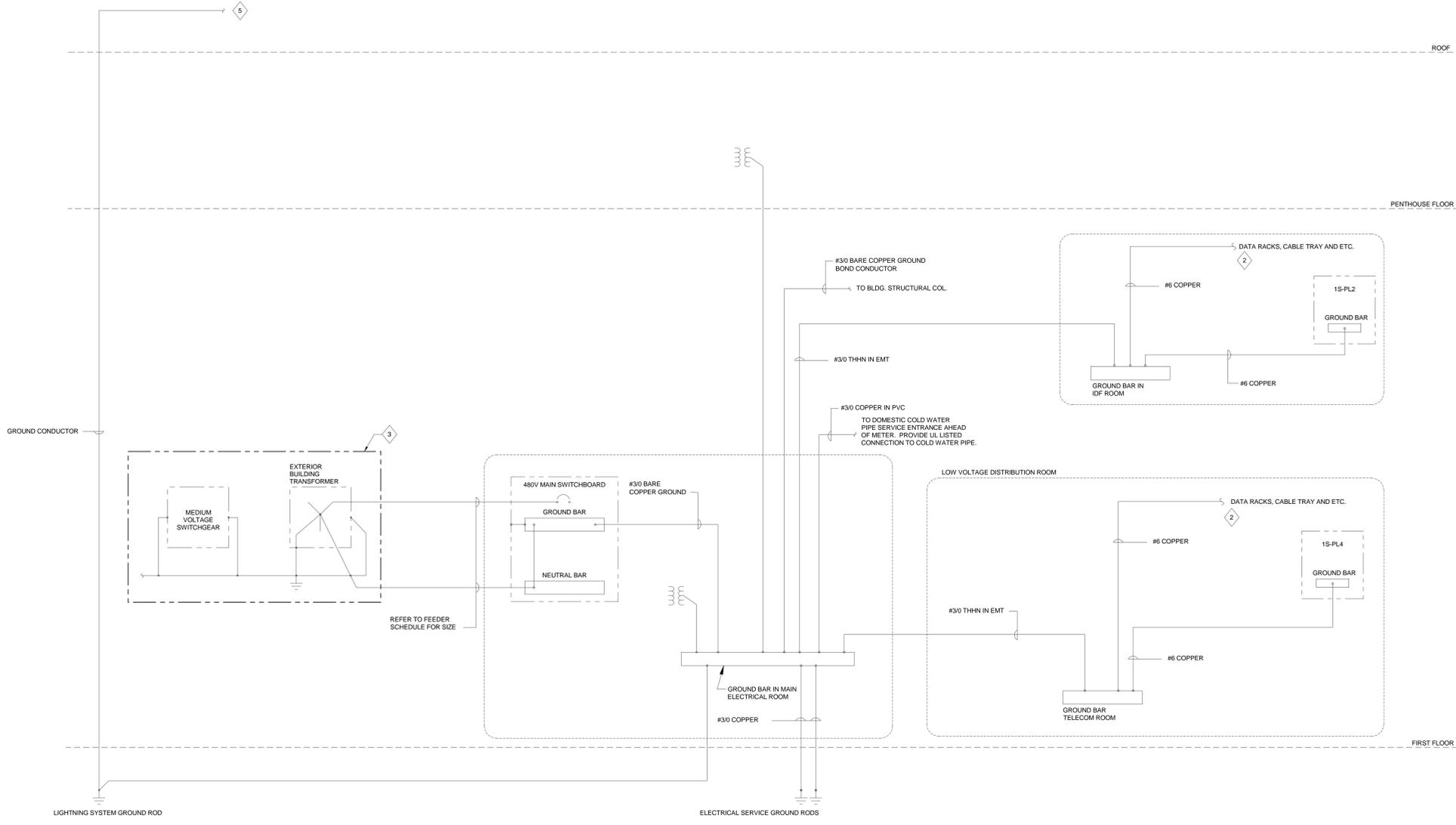


GENERAL NOTES

1. CONNECTIONS TO GROUND BARS AND GROUNDING BACKBONE SHALL BE EXOTHERMICALLY WELDED OR IRREVERSIBLE COMPRESSION TYPE.

SHEET KEYNOTES

- ◇ GROUNDING ELECTRODE CONDUCTOR TO WATER SERVICE MAIN WITHIN 5' OF ENTRANCE TO BUILDING. PROVIDE #30 BONDING JUMPER ACROSS WATER METER.
- ◇ GROUNDING ELECTRODE CONDUCTOR TO BUILDING GROUND LOOP. PROVIDE #40 GROUND LOOP AROUND PERIMETER OF BUILDING WITH GROUND RODS AT 200' MAXIMUM INTERVALS. BOND INTERIOR STEEL COLUMNS/POSTINGS AT 60' MINIMUM INTERVALS.
- ◇ PROVIDE ENGRAVED LABEL ABOVE TERMINATION ON BUSBAR: TELECOMMUNICATIONS GROUND - DO NOT REMOVE.
- ◇ TELECOMMUNICATIONS BONDING BACKBONE (TBB) SHALL BE CONTINUOUS WITHOUT SPLICES FROM ROOM 185 TO 186 AND ROOM 181 TO 182. BONDING TAPS FROM TBB TO TGB IN EACH ROOM SHALL BE MADE USING IRREVERSIBLE COMPRESSION CONNECTORS WITH TWO-HOLE LUGS.
- ◇ TO ROOF LIGHTNING PROTECTION SYSTEM. REFER TO EP2.3.0 SERIES FOR LAYOUT. REFER TO SPECIFICATION SECTION 26-4113 FOR REQUIREMENTS.



1
E7.10 GROUNDING ONE LINE DIAGRAM
NONE

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SEALS AND SIGNATURES



REV. NO.	DESCRIPTION	BY	APVD	DATE



FMS
Facilities Management Services

PROJECT TITLE ADVANCED PROTEIN CRYSTALLIZATION FACILITY, ARGONNE NATIONAL LABORATORY

PROJECT NO 08541-00

DRAWING TITLE
GROUNDING RISER

DESIGNED	AE CADD FILE	FACILITY NO(S)
DLW	EP5.0.1	
DRAWN	AE DWG. NO.	
	EP5.0.1	
CHECKED	CAD NO.	
BRB		
PROJECT MANAGER	DWG STATE	
ANL - JESSE ADAMS	BND ORDER	
DATE - 09/18/11		
FACILITY DOCUMENT NUMBER		
J446-101-W-	EP5.0.1	