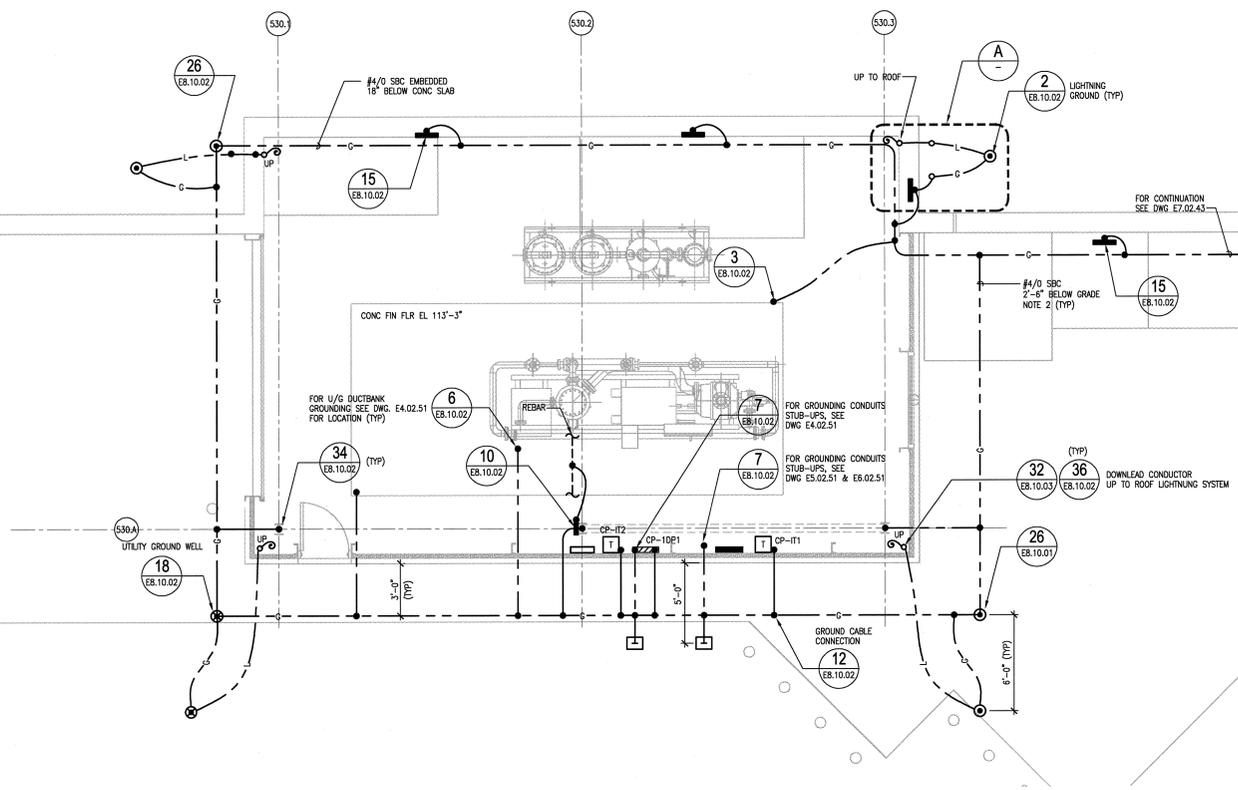
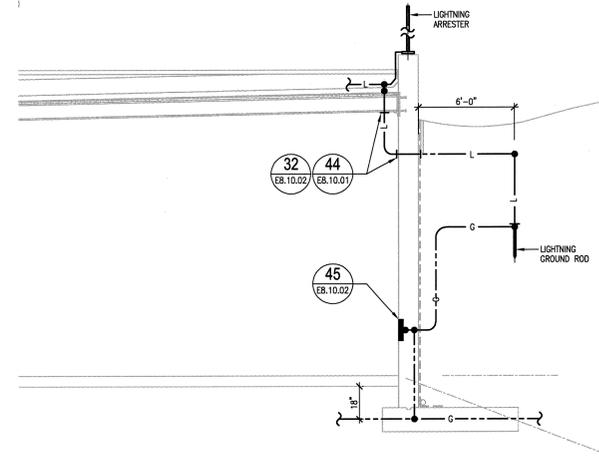


COMPRESSOR BUILDING - LIGHTNING ROOF PLAN



COMPRESSOR BUILDING - GROUNDING PLAN



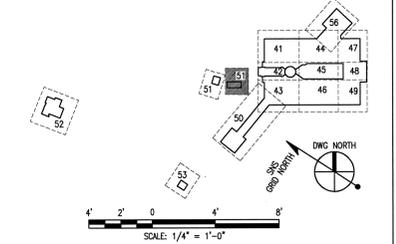
DETAIL A SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. NOT USED.
2. ALL GROUNDING CONDUCTORS SHALL BE #4/0 STRANDED BARE COPPER (SBC), UNLESS NOTED OTHERWISE.
3. ALL GROUND CONNECTIONS SHALL BE EXOTHERMIC.
4. STUB-UP UNDERGROUND CONDUIT W/ GROUNDING BUSHING.
5. INSTALL GROUND BAR ON COLUMNS AS SHOWN. GROUND STEEL COLUMN TO THE GROUND BAR. IF INSTALLED ON THE COLUMN, UNLESS SHOWN OTHERWISE, GROUND ALTERNATE STEEL COLUMN AND REBAR DIRECTLY TO GROUND GRID CONDUCTORS.
6. LIGHTNING PROTECTION SYSTEM DOWN CONDUCTORS TO BE ATTACHED TO STRUCTURAL STEEL OR CONCRETE COLUMNS WITH UL LISTED CONNECTORS.
7. IN EACH AREA CONTAINING ELECTRICAL EQUIPMENT, ACCESS TO THE GROUNDING SYSTEM MUST BE AVAILABLE EITHER FROM STRUCTURAL STEEL OR THE BUILDING GROUND GRID.

REFERENCE DWGS:

- E7.02.41 - ELECTRICAL GROUNDING PLAN LEVEL 2, SECTOR 41
- E7.02.43 - ELECTRICAL GROUNDING PLAN LEVEL 2, SECTOR 43



108031500-E8E-8760-A005

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PROJECT NAME:
**SPALLATION NEUTRON SOURCE
COMPRESSOR BUILDING
ELECTRICAL GROUNDING & LIGHTNING PLAN
LEVEL 2, SECTOR 51**

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	E	X	X	8	8760	1	1	1	P	U
51	NC	52	NA	5.3	WBS	1.8.3.15			E7.02.51	REV 0

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THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM 3
ENGINEERING PROCEDURE SNS-ENG-0001

SECTION AND DETAIL KEY

NO.	DATE	BY	DESCRIPTION
0			CERTIFIED FOR CONSTRUCTION - 10/26/01

REV	DATE	BY	DESCRIPTION	DSN	CHK	DEPT	DATE	PE	DATE	PJ	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE	ST	CV	EC	EE	EM	IE	M	PD	SE	AR	
0			CERTIFIED FOR CONSTRUCTION - 10/26/01	HG	VGS		10/26/01																						

RPE
DSN H GROWER 10/26/01
DRW L MAKOVSKY 10/26/01
CHK V STEFFEN 10/26/01
DEPT
PJ R. J. Breen 11/15/01
REQ
REV 0 11-13-01
DATE
LITERATURE APPROVALS
DRAWING APPROVALS