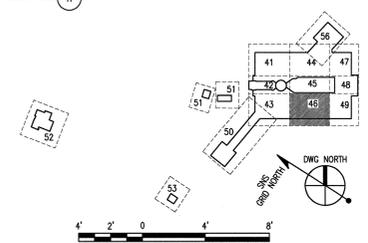
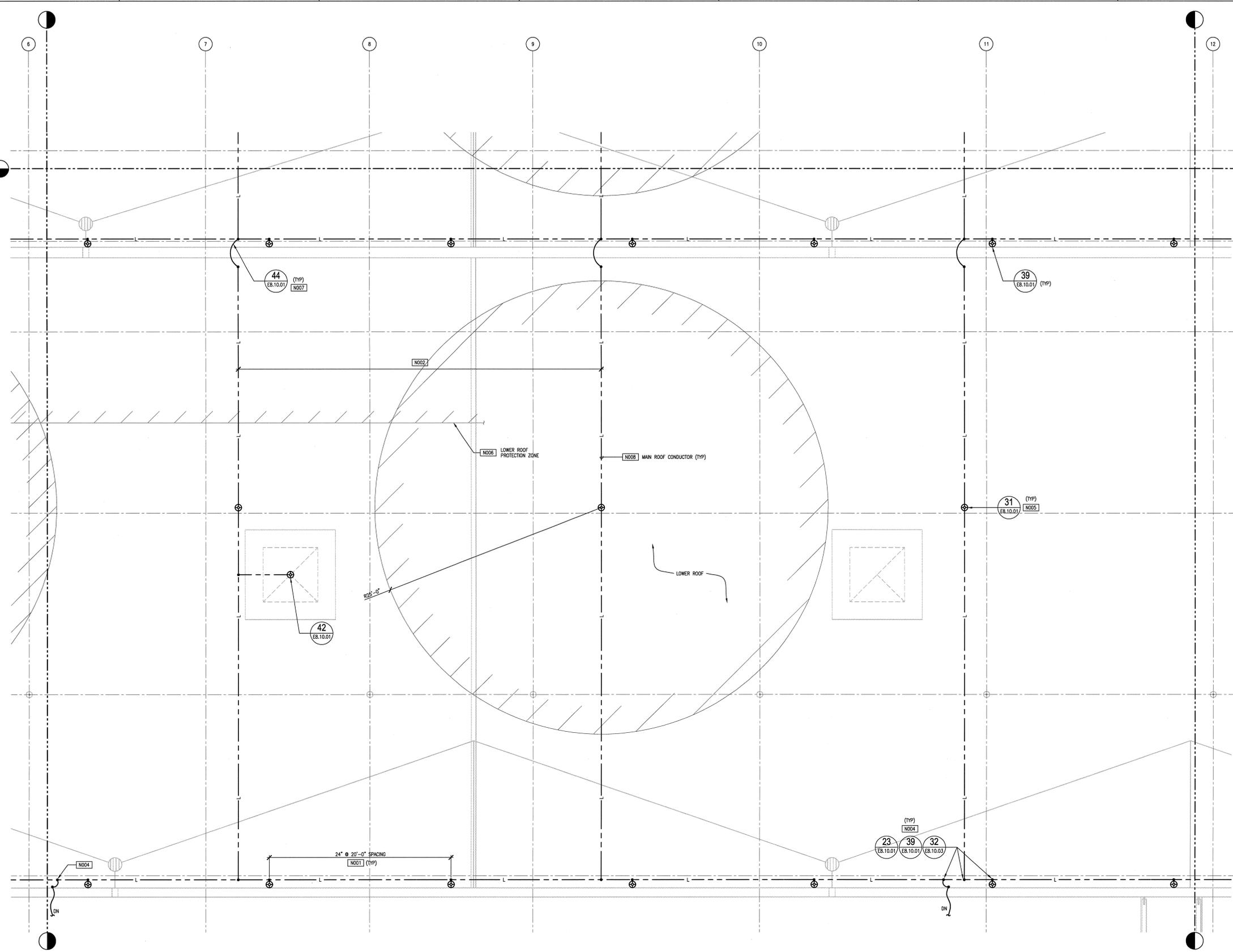


**SHEET KEYNOTES:**

- KN01** 20' MAX SPACING BETWEEN AIR TERMINALS ALONG PERIMETER CABLE & AIR TERMINALS MUST BE WITHIN 24" OF OUTSIDE FACE OF BUILDING.
- KN02** 50' MAX SPACING OF CROSS RUN CONDUCTOR TO MAIN PERIMETER CONDUCTOR.
- KN03** NOT USED.
- KN04** 100' AVERAGE SPACING BETWEEN DOWN CONDUCTORS. ROUTE IN 1" PVC CONDUIT & CONNECT TO MAIN GROUNDING GRID. THE DOWNLOAD CONDUCTOR SHALL BE ATTACHED TO STRUCTURAL STEEL OR CONCRETE COLUMNS WITH UL LISTED CONNECTIONS.
- KN05** FOR LOWER ROOF OR GENTLY SLOPING ROOF, INSTALL AND PROVIDE ADDITIONAL STRIKE TERMINATION DEVICE, LOCATE AT INTERVAL NOT TO EXCEED 50'.
- KN06** THE ZONE OF PROTECTION FOR A LOWER ROOF IS THE SPACE LOCATED BENEATH 150' RADIUS ARC WHICH IS 1/1 LINE 45° ANGLE.
- KN07** FOR DOWNLOAD CONDUCTOR ROOF DECK PENETRATION SEE DETAIL 32, DWG EB.10.03.
- KN08** MAIN ROOF AND DOWNLOAD CONDUCTORS SHALL BE #28 STRANDS OF 14 GAUGE CU WIRE.



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UT-BATTELLE, LLC, a U.S. firm

PROJECT NAME:  
**SPALLATION NEUTRON SOURCE**

**TARGET BUILDING ELECTRICAL LIGHTNING PLAN ROOF, SECTOR 46**

1	48	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	E	X	8	8700	1	1	P	U	
51	52	53	WBS	1.8.37					
NC	NA								

REV. DATE DRAWING APPROVALS

**REVISIONS**

NO.	DATE	DESCRIPTION
0	10-26-01	

**DRAWING APPROVALS**

DRW: L. MAKOVSKY 10/26/01  
CHK: V. STEFFEN 10/26/01  
PE: R.A. Dean 11/15/01  
PJ: R.A. Dean 11/15/01

REV	DATE	DESCRIPTION	BY	CHK	DATE	REVISION APPROVALS
0	10-26-01	CERTIFIED FOR CONSTRUCTION - 10/26/01				

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CHANGE CONTROL SYSTEM 3  
ENGINEERING PROCEDURE SNS-ENG-0201

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