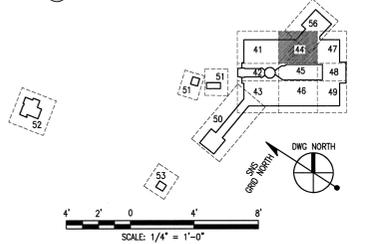
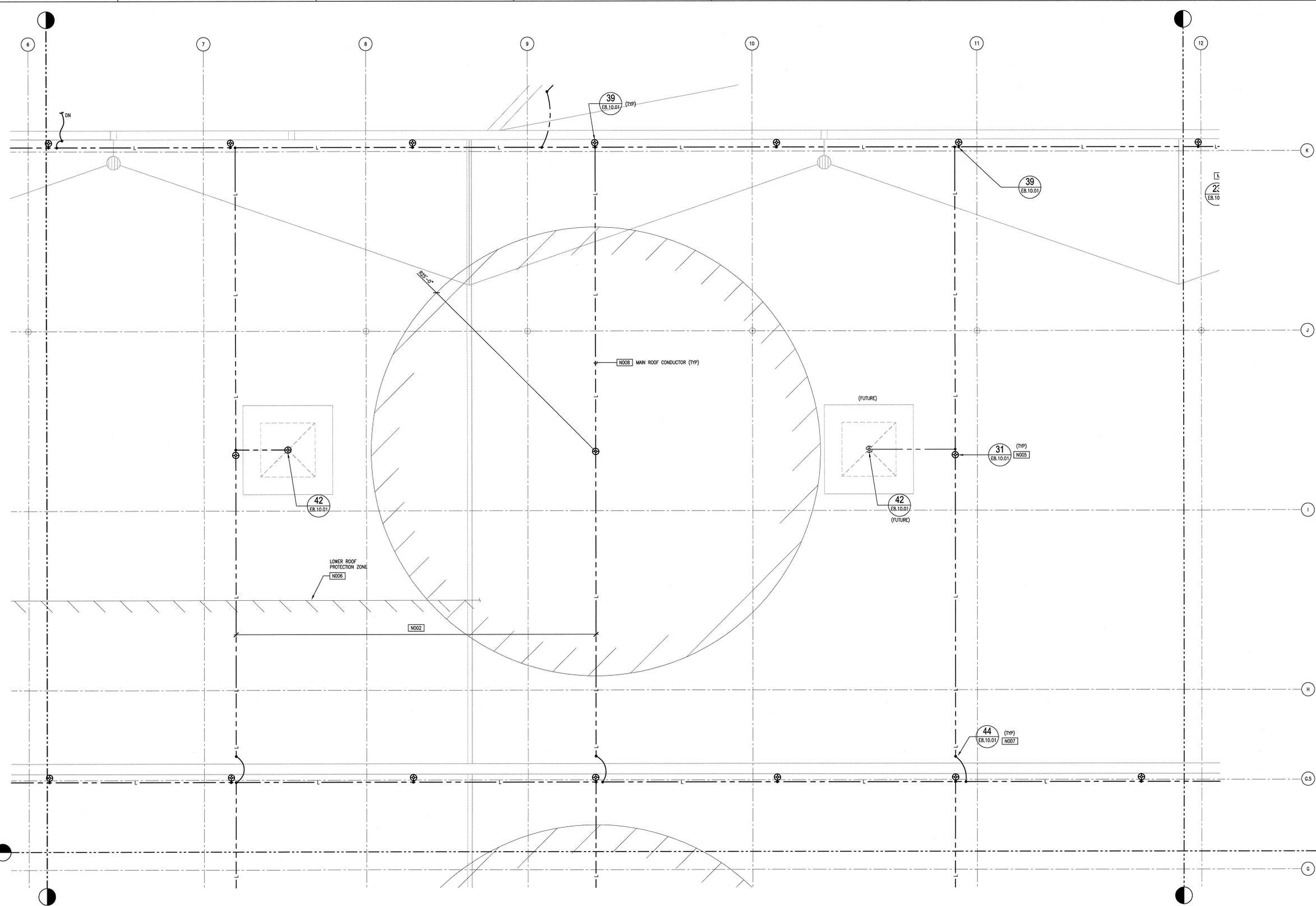


SHEET KEYNOTES:

- N001** 20' MAX SPACING BETWEEN AIR TERMINALS ALONG PERIMETER CABLE & AIR TERMINALS MUST BE WITHIN 24" OF OUTSIDE FACE OF BUILDING.
- N002** 50' MAX SPACING OF CROSS RUN CONDUCTOR TO MAIN PERIMETER CONDUCTOR.
- N003** NOT USED.
- N004** 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.
- N005** FOR LOWER ROOF OR GENTLY SLOPING ROOF, INSTALL AND PROVIDE ADDITIONAL STRIKE TERMINATION DEVICE, LOCATE AT INTERVAL NOT TO EXCEED 50'.
- N006** THE ZONE OF PROTECTION FOR A LOWER ROOF IS THE SPACE LOCATED BENEATH 150' RADIUS ARC WHICH IS 1/1 LINE, 45° ANGLE.
- N007** FOR DOWNLOAD CONDUCTOR ROOF DECK PENETRATION SEE DETAIL 32, DWG EB.10.03.
- N008** MAIN ROOF AND DOWNLOAD CONDUCTORS SHALL BE #28 STRANDED OF 14 GAUGE CU WIRE.



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Oak Ridge National Laboratory
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PROJECT NAME:
SPALLATION NEUTRON SOURCE
TARGET BUILDING
ELECTRICAL LIGHTNING PLAN
ROOF, SECTOR 44

1	48	49	50	PLANT	8	BLDG	FL	SH.	OF TYPE	CLASS
3	E	X	X		8	8700		1	1	P
51		52			53	WBS				REV
NC		NA				1.8.3.7				0

REVISIONS

REV	DATE	DESCRIPTION	BY	CHK
0	10-26-01	CERTIFIED FOR CONSTRUCTION - 10/26/01	RA Deane	

REV	DATE	DESCRIPTION	BY	CHK	DATE	DESCRIPTION	BY	CHK	DATE	DESCRIPTION	BY	CHK
0	10/26/01	CERTIFIED FOR CONSTRUCTION - 10/26/01	RA Deane		10/26/01							

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CHANGE CONTROL SYSTEM 3
ENGINEERING PROCEDURE SNS-ENG-0001

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