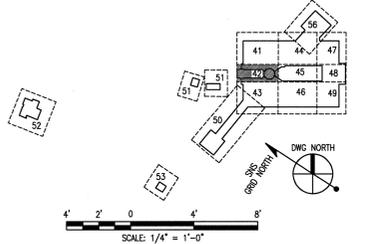
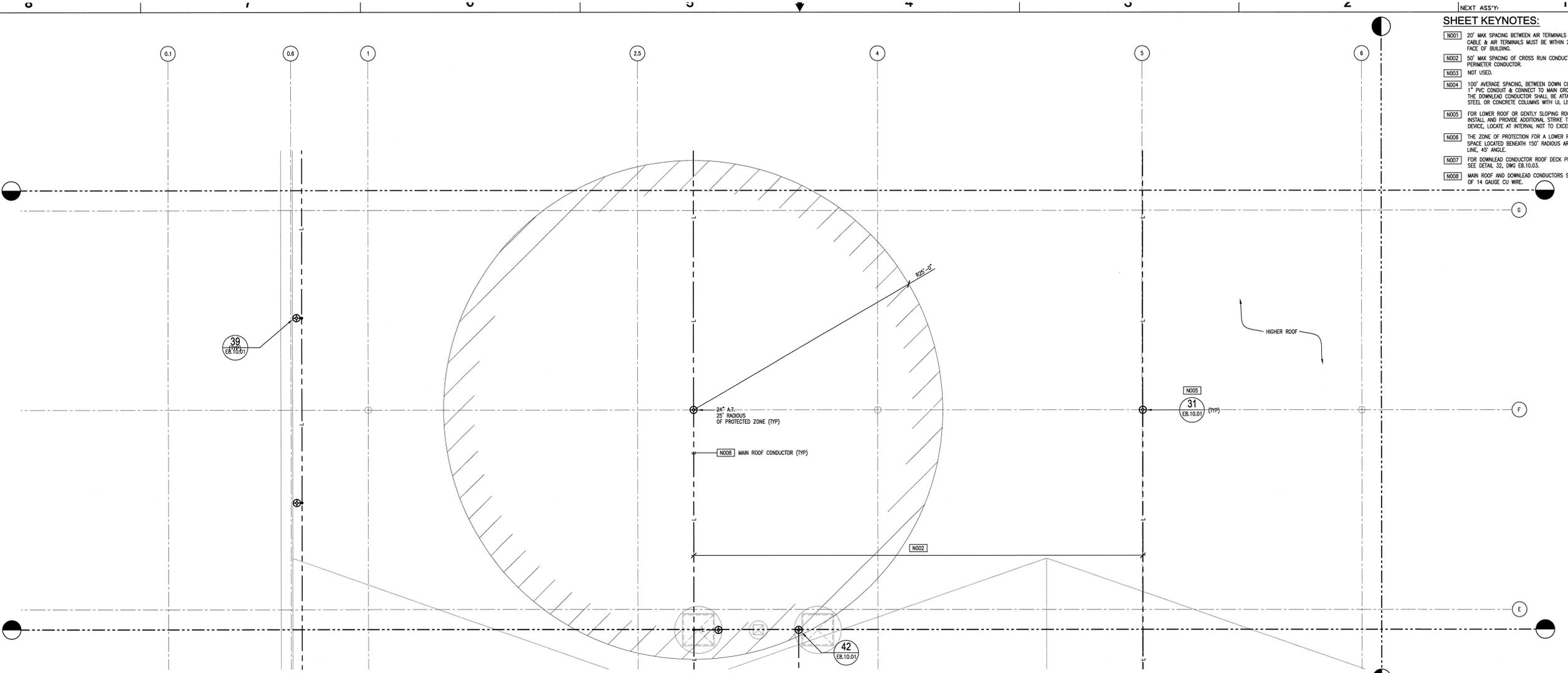


SHEET KEYNOTES:

- 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 E8.10.03.
- N008** MAIN ROOF AND DOWNLOAD CONDUCTORS SHALL BE #28 STRANDS OF 14 GAUGE CU WIRE.



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UT-BATTELLE Oak Ridge National Laboratory
managed for the DEPARTMENT OF ENERGY under
U.S. GOVERNMENT contract DE-AC05-00OR22725
UT-BATTELLE, LLC, a Oak Ridge, Tennessee

PROJECT NAME: **SPALLATION NEUTRON SOURCE**

TARGET BUILDING ELECTRICAL LIGHTNING PLAN ROOF, SECTOR 42

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

REV: 0 DATE: 10-26-01
LITER: M. Johnson DATE: 11/12/01

REVISION APPROVALS	DATE	BY	DESCRIPTION
	10/26/01	RPE	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																										

THIS DOCUMENT CONTROLLED BY

CHANGE CONTROL SYSTEM 3

ENGINEERING PROCEDURE SNS-ENG-0001

SECTION AND DETAIL KEY

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