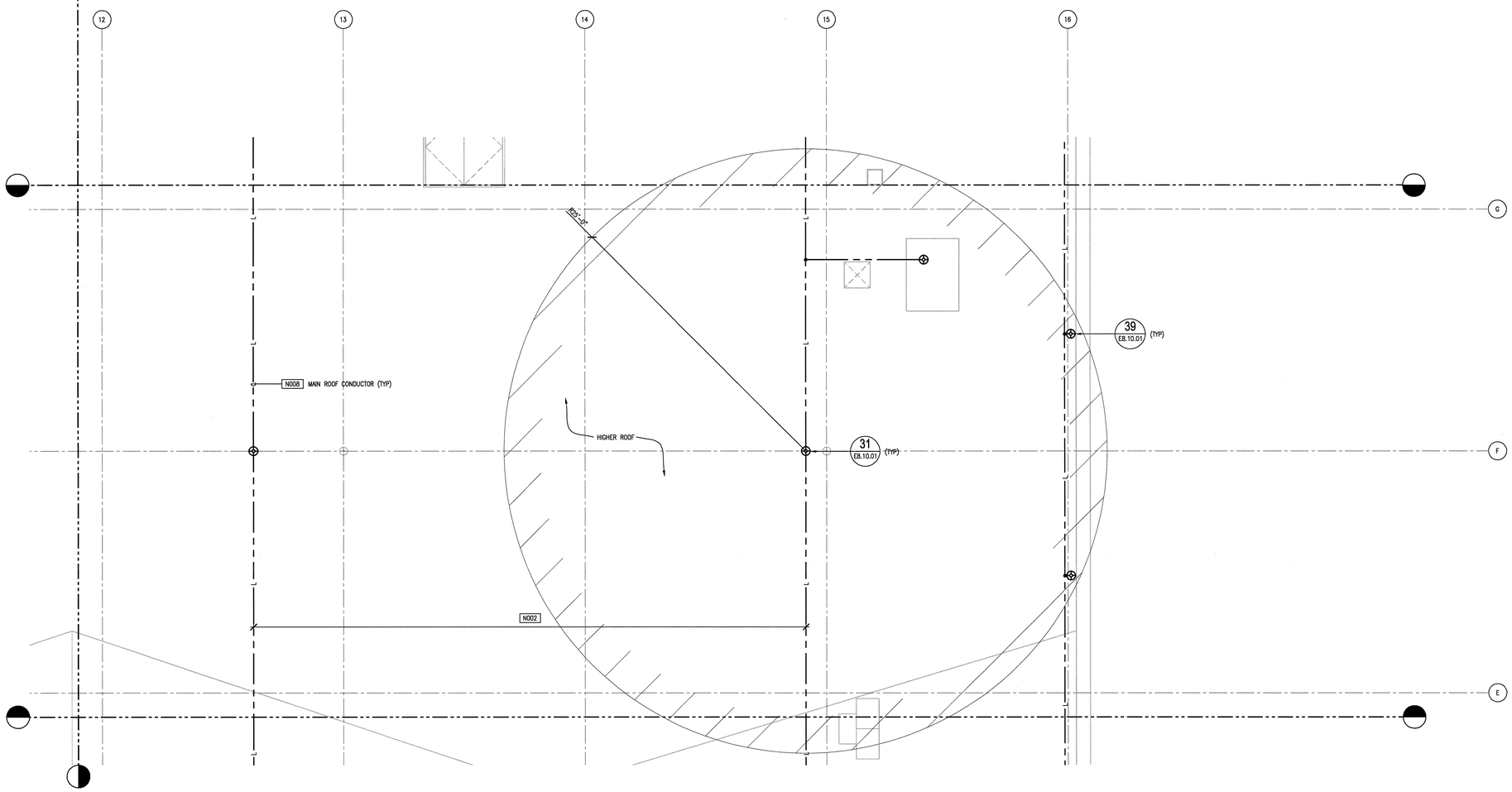


SHEET KEYNOTES:

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.

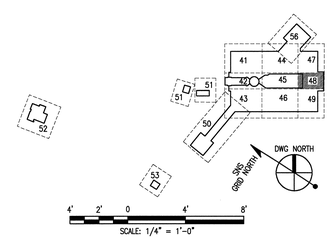
N004 100' AVERAGE SPACING, BETWEEN DOWN CONDUCTORS, ROUTE IN 1" PVC CONDUIT & CONNECT TO MAIN GROUNDING GRID. THE DOWNLEAD CONDUCTOR SHALL BE ATTACHED TO STRUCTURAL STEEL OR CONCRETE COLUMNS WITH UL LISTED CONNECTIONS.

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' RADIOUS ARC WHICH IS 1/1 LINE, 45° ANGLE.

N007 FOR DOWNLEAD CONDUCTOR ROOF DECK PENETRATION SEE DETAIL 32, DWG E8.10.03.

N008 MAIN ROOF AND DOWNLEAD CONDUCTORS SHALL BE #28 STRANDS OF 14 GAUGE CU WIRE.



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NUMBER OF SECTION OR DETAIL
DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN
SECTION AND DETAIL KEY

THIS DOCUMENT CONTROLLED BY

CHANGE CONTROL SYSTEM 3

ENGINEERING PROCEDURE SNS-ENG-G001

REV	CHANGE TYPE	CHANGE CONTROL SYSTEM	CHANGE REQUEST NUMBER	DESCRIPTION (REVISION OR ISSUE PURPOSE)	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				11/15/01	RAD	11/26/01				11/9/01	VGS	00106009	10/26/01	REW	–	WRS	AK	WRS	BWJ	–	MP	–	ED

REVISION APPROVALS

SQUAD CHECK

RPE

VICTOR G. STEFFEN REGISTERED ENGINEER No. 00106009 STATE OF TENNESSEE

REV.	DATE	DRAWING APPROVALS		DATE
0	10-26-01	DSN	H GROVER	10/26/01
		DRW	L MAKOVSKY	10/26/01
		CHK	V.STEFFEN	10/26/01
		DEPT		
		PE		11/15/01
		PJ	RADean	11/26/01
		REQ		
		UTB		11/9/01

108030700-E8E-8700-A175

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U.S. GOVERNMENT contract DE-AC05-00OR22725
UT-BATTELLE, LLC. • Oak Ridge, Tennessee

PROJECT NAME:
SPALLATION NEUTRON SOURCE

TARGET BUILDING
ELECTRICAL LIGHTNING PLAN
ROOF, SECTOR 48

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	E	X	X	8	8700		1	1	P	U

51	52	53			
NC	NA		WBS 1.8.3.7	E7.09.48	REV 0

AutoCAD

Date: 10/24/2001 Time: 10:30:01
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