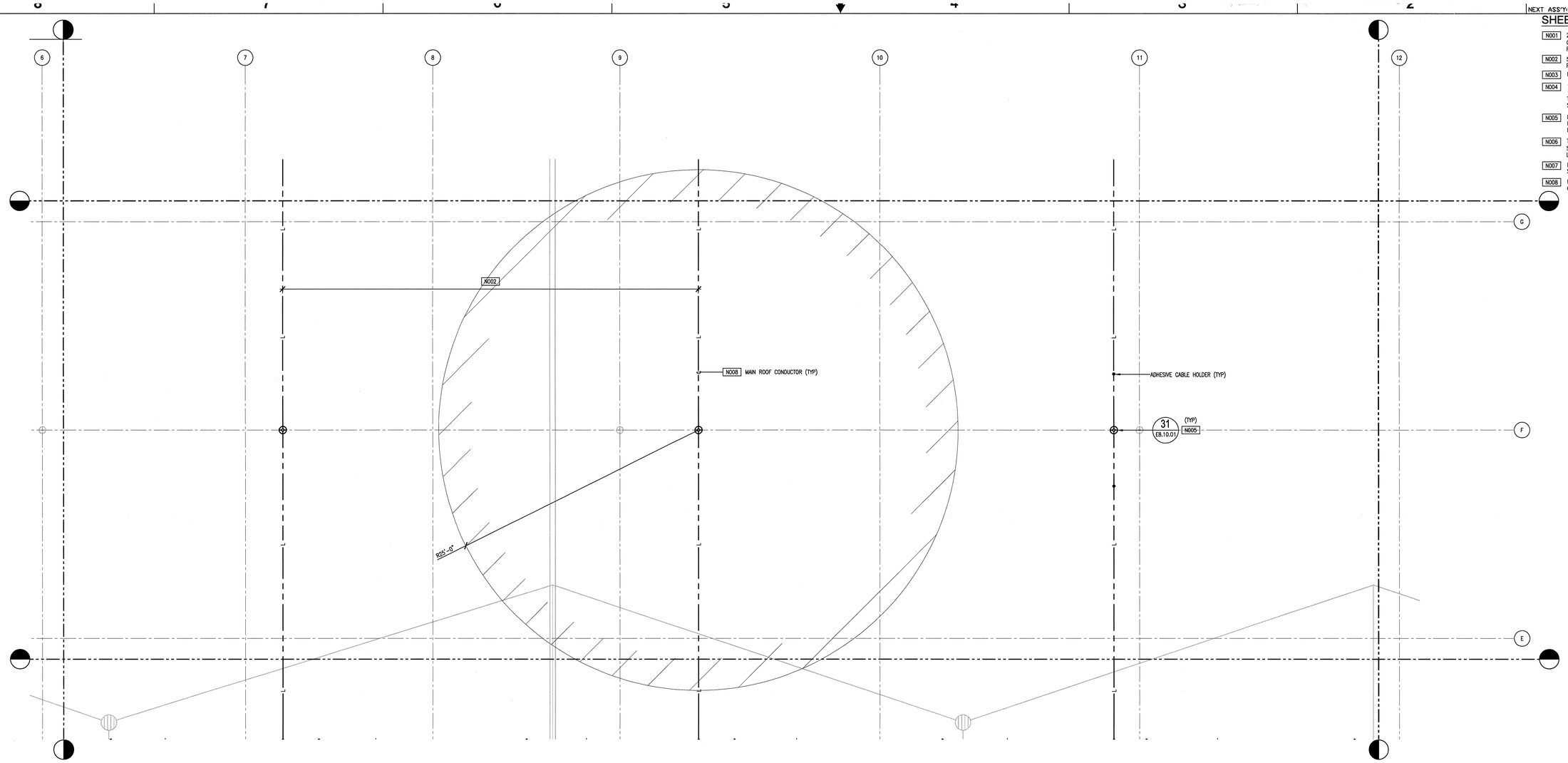
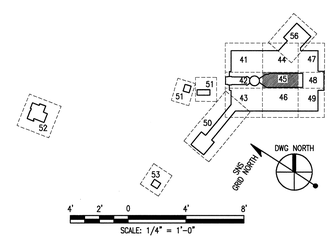
NEXT ASS'Y: FINAL ASS'Y:



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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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 45

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		REV
NC	NA		1.8.3.7	E7.09.45	0

RPE	DSN	H GROVER	10/26/01
VICTOR G. STEFFEN REGISTERED ENGINEER No. 00106009 STATE OF TENNESSEE	DRW	L. MAKOVSKY	10/26/01
10-26-01	CHK	V.STEFFEN	10/26/01
	DEPT		
	PE	R.A. Grover	11/15/01
	PJ	R.A. Dean	11/13/01
	REQ		
0 10-26-01 REV. DATE	UTB		11/13/01

DRAWING APPROVALS

REV	CHANGE TYPE	CHANGE CONTROL SYSTEM	CHANGE REQUEST NUMBER	DESCRIPTION	DSN	CHK	DEPT
0				CERTIFIED FOR CONSTRUCTION – 10/26/01	HG	VGS	

REVISION OR ISSUE PURPOSE

DATE	PE	DATE	PJ	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE
	RAD	11/15/01	RAD	11/13/01				11/13/01	VGS	00106009	10/26/01

REVISION APPROVALS

ST	CV	EC	EE	EM	IE	M	PD	SE	AR
REW	–	WRS	AK	WRS	BWJ	–	MP	–	ED

SQUAD CHECK

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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-0001

Date: 10/24/2001 Time: 10:31:01
Username: BONES
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