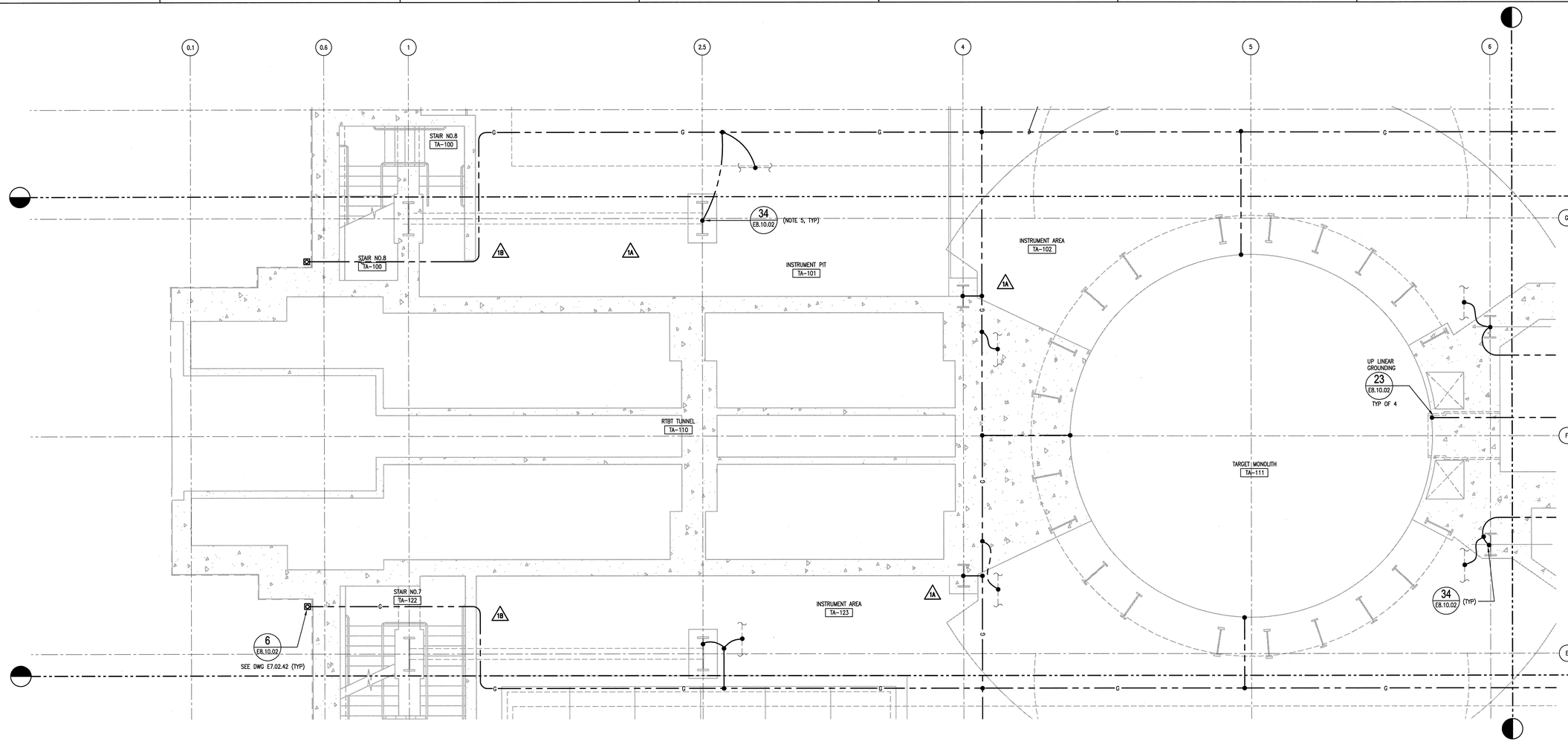
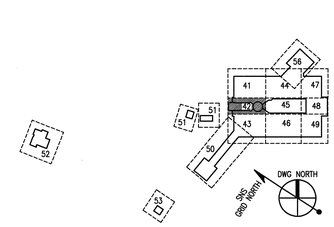


GENERAL NOTES:

1. NOT USED.
2. ALL GROUNDING CONDUCTORS SHALL BE #4/0 STRANDED BARE COPPER (SBC), UNLESS NOTED OTHERWISE.
3. ALL GROUND CONNECTIONS SHALL BE EXOTHERMIC.
4. STUB-UP UNDERGROUND CONDUIT W/ GROUNDING BUSHING.
5. INSTALL GROUND BAR ON COLUMNS AS SHOWN. GROUND STEEL COLUMN TO THE GROUND BAR, IF INSTALLED ON THE COLUMN, UNLESS SHOWN OTHERWISE, GROUND ALTERNATE STEEL COLUMN AND REBAR DIRECTLY TO GROUND GRID CONDUCTORS.
6. LIGHTNING PROTECTION SYSTEM DOWN CONDUCTORS TO BE ATTACHED TO STRUCTURAL STEEL OR CONCRETE COLUMNS WITH UL LISTED CONNECTORS.
7. IN EACH AREA CONTAINING ELECTRICAL EQUIPMENT, ACCESS TO THE GROUNDING SYSTEM MUST BE AVAILABLE EITHER FROM STRUCTURAL STEEL OR THE BUILDING GROUND GRID.
8. ALL GROUND CONDUCTORS SHOWN WITHIN THE BUILDING ARE EMBEDDED IN THE FLOOR CONCRETE.



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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	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
2				CERTIFIED FOR CONSTRUCTION – 10/26/01	HG	VGS				10/26/01	RPP	10/26/01			JRL	10/26/01	VGS	106009	10/26/01	REW	–	WRS	AK	WRS	BWJ	–	MP	–	ED
1	A	3	1-13	DCN T – 01 THRU T –013 – 9/21/01	HG	VGS			CLG	10/2/01	RAD	10/2/01			JRL	10/2/01	VGS	00106009	9/21/01	SC	–	WRS	RL	WRS	BWJ	–	MP	–	WAS
0	–	–	–	SUBSTRUCTURES CERTIFIED FOR CONSTRUCTION – 4/18/01	HG	VGS			CLG	4/18/01	RAD	4/18/01			JRL	4/19/01	VGS	00106009	4/13/01	SC	–	WRS	RL	WRS	BWJ	–	MP	–	WAS

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK

RPE

VICTOR G. STEFFEN REGISTERED ENGINEER 10-24-01 N.C. 001106 CONCRETE STATE OF TENNESSEE

REV.	DATE
2	10-24-01

DSN	H GROVER	4/13/01
DRW	L MAKOVSKY	4/13/01
CHK	V.STEFFEN	4/13/01
DEPT		
PE	C.L. GARREN	4/18/01
PJ	R.A. DEAN	4/18/01
REQ		
UTB	J.R. LAWSON	4/19/01

DRAWING APPROVALS

108030700-E8E-8700-A145

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Oak Ridge National Laboratory
managed for the DEPARTMENT OF ENERGY under
U.S. GOVERNMENT contract DE-AC05-000R22725
UT-BATTELLE, LLC. ◆ Oak Ridge, Tennessee

PROJECT NAME:
SPALLATION NEUTRON SOURCE

TARGET BUILDING ELECTRICAL GROUNDING PLAN LEVEL 1, 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		REV
NC	NA		1.8.3.7	E7.01.42	2

Date: 10/26/2001 Time: 15:34:11
Username: RADEEDS
Filename: P:\SNS\PROJECTS\TARGET\ROL\CAD\D\MAIN_GAF\ND_PLOT\F21-01-42.DWG

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