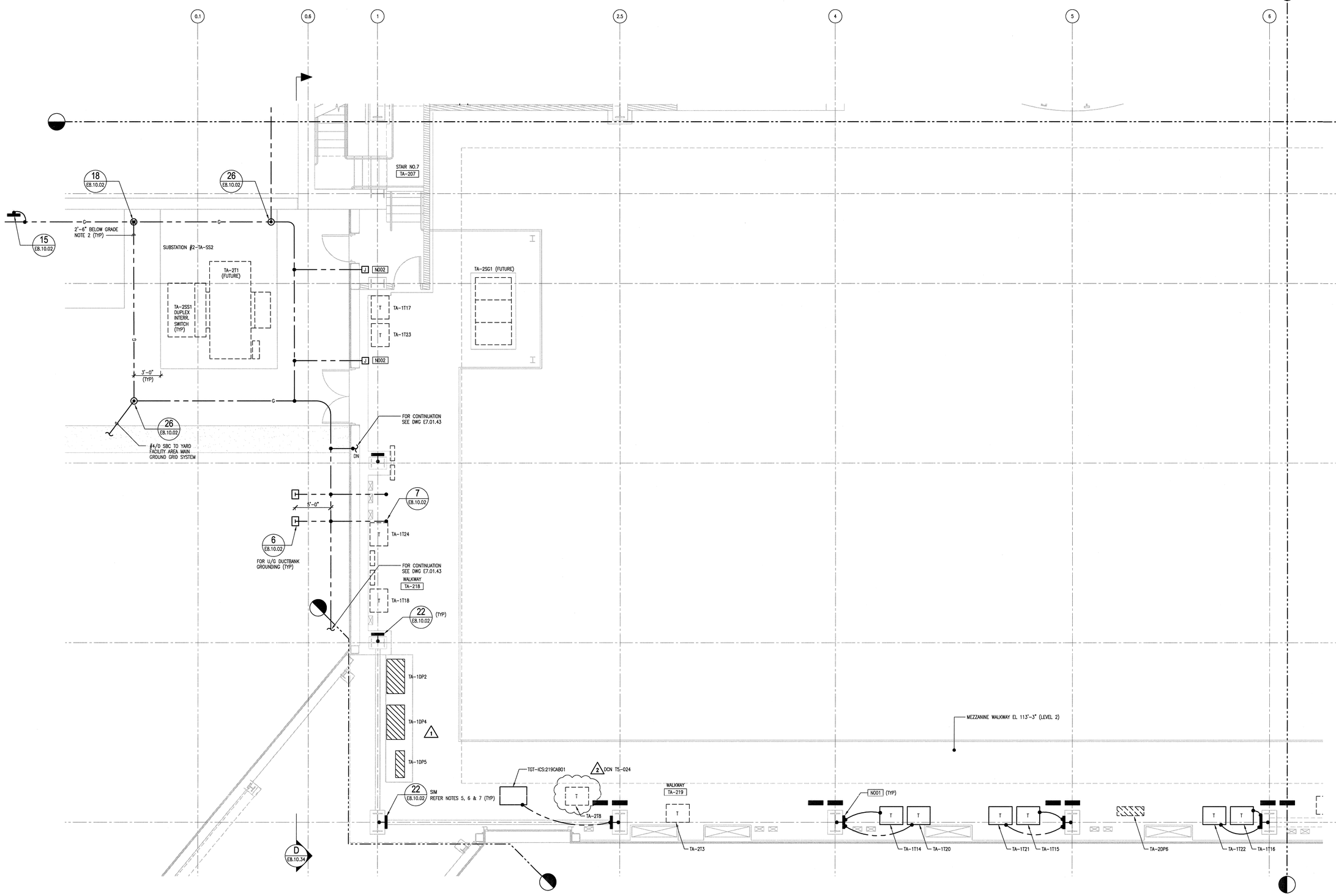


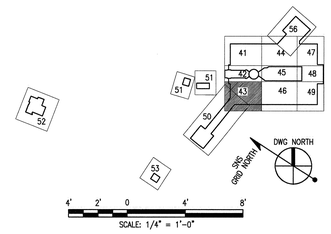
GENERAL NOTES:

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.

SHEET KEYNOTES

N001 PROVIDE AND INSTALL GROUND BAR @ EVERY STEEL COLUMN AS REQUIRED 24" ABOVE MEZZANINE LEVEL. REFERENCE DWG E8.10.02 FOR DETAILS, UON.

N002 TERMINATE GROUND CONDUCTOR IN JUNCTION BOX FOR CONNECTION TO FUTURE SWITCHGEAR.



SCALE: 1/4" = 1'-0"

108030700-E8E-8700-A155

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

DSN	H GROVER	10/26/2001
DRW	L. MAKOVSKY	10/26/2001
CHK	V.STEFFEN	10/26/2001
DEPT		
PE	C.L. GARREN	11/15/01
PJ	R.A. DEAN	11/14/01
REQ		
UTB	J.R. LAWSON	11/14/01

RPE: VICTOR G. STEFFEN, REGISTERED ENGINEER, No. 00106009, STATE OF TENNESSEE, 4-18-02

2 4-18-02 REV. DATE

PROJECT NAME:

SPALLATION NEUTRON SOURCE

TARGET BUILDING
ELECTRICAL GROUNDING PLAN
LEVEL 2, SECTOR 43

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	E7.02.43	REV 2

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	A	3	24	DCN T5 - 024 - 4/18/02	HG	VGS			RAD	4/18/02					JRL	3/02	VGS	00106009	4/18/2002	REW	–	SV	AK	SV	BWJ	–	MP	–	ED
1	A	3	18	DCN T5 - 018 - 3/1/02	HG	VGS			CLG	3/02	RAD	3/4/02			JRL	3/02	VGS	00106009	3/01/02	REW	–	SV	AK	SV	BWJ	–	MP	–	ED
0				CERTIFIED FOR CONSTRUCTION - 10/26/01	HG	VGS			CLG	11/15/01	RAD	11/14/01			JRL	11/14/01	VGS	00106009	10/26/01	REW	–	WRS	AK	WRS	BWJ	–	MP	–	ED

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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

Date: 04/18/2002 Time: 11:40:52
Username: MAKOVSKYL
H:\EPE_WOJ\PROJECTS\7000\700_DADE\WBK_SA\743_FLOT\E7-02-43.DWG

AutoCAD