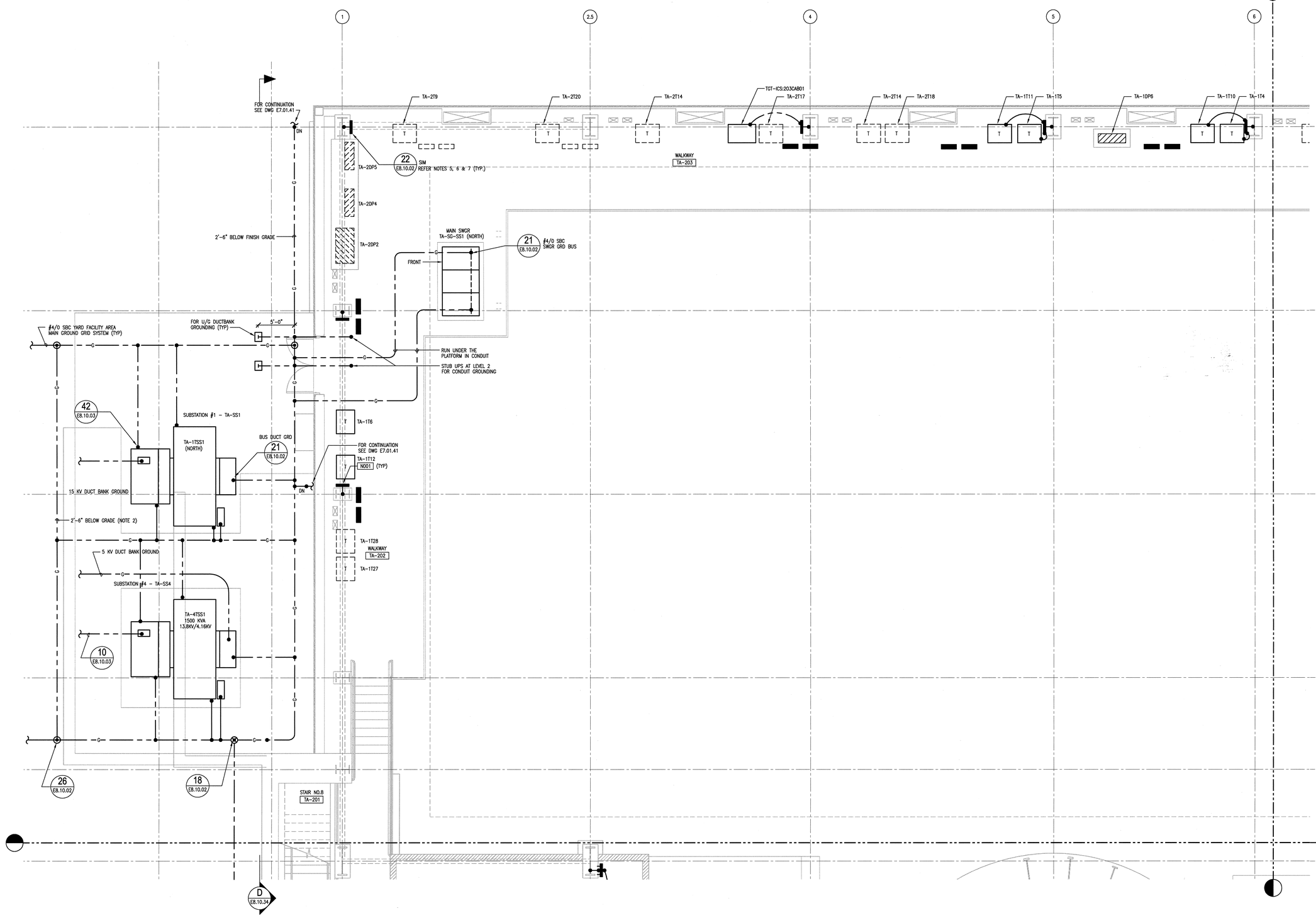
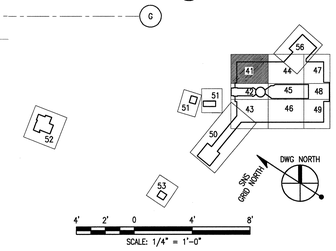



## GENERAL NOTES:

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 2'-0" ABOVE MEZZANINE LEVEL. REFERENCE DWG E8.10.02 FOR DETAILS, UON.




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

108030700-E8E-8700-A153

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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 2, SECTOR 41

| 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 | E7.02.41 | 0 |

| | | |
|---|---|---|
| DSN | H GROVER | 10/26/01 |
| DRW | L. MAKOVSKY | 10/26/01 |
| CHK | V.STEFFEN | 10/26/01 |
| DEPT | | |
| PE | | 11/13/01 |
| PJ | | 11/14/01 |
| REQ | | |
| UTB | | 11/14/01 |

RPE: VICTOR C. STEFFEN, REGISTERED PROFESSIONAL ENGINEER, CIVIL ENGINEERING, 11-13-01, NO. 00106009, STATE OF TENNESSEE

0 REV. 11-13-01 DATE — 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 11/13/01 | | 11/14/01 | | | | 11/14/01 | VGS | 00106009 | 10/26/01 |

REVISION APPROVALS

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

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

AutoCAD

Date: 11/13/2001 Time: 11:28:46
Username: MAKOVSKY
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