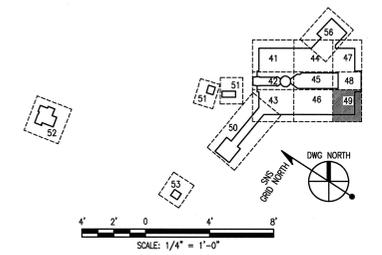
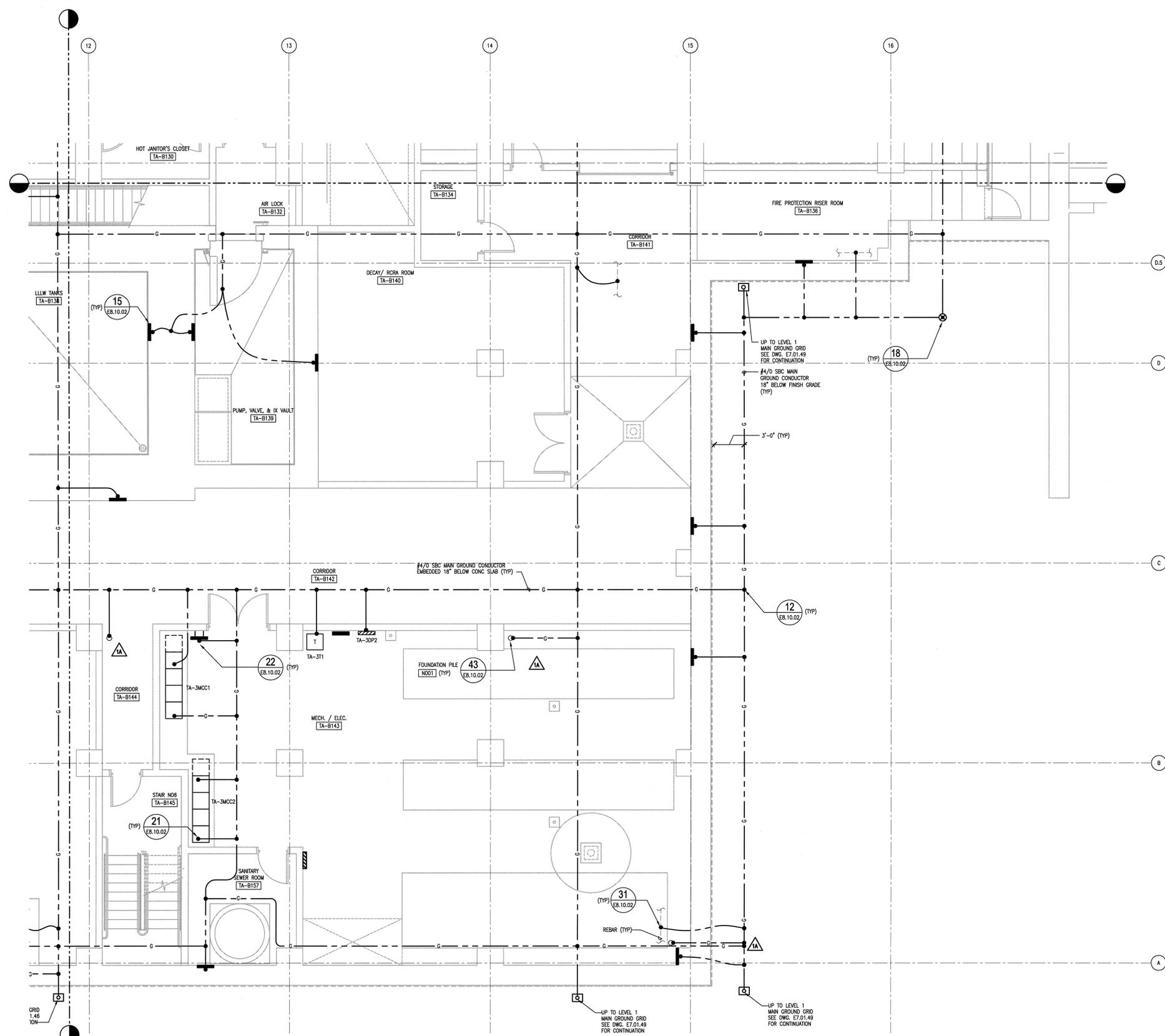


- GENERAL NOTES:**
- NOT USED.
  - ALL GROUNDING CONDUCTORS SHALL BE #4/0 STRANDED BARE COPPER (SBC), UNLESS NOTED OTHERWISE.
  - ALL GROUND CONNECTIONS SHALL BE EXOTHERMIC.
  - STUB-UP UNDERGROUND CONDUIT W/ GROUNDING BUSHING.
  - INSTALL GROUND BAR ON COLUMNS AS SHOWN. GROUND STEEL COLUMN TO THE GROUND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

**SHEET KEYNOTES:**

NOT1 THE LOCATION OF THE PILE TO BE GROUND AS SHOWN, IS APPROXIMATE. REFER TO STRUCTURAL PLAN S1.FP.30 FOR NEAREST PILE. REFER TO DWG S4.20.37 FOR PILE DETAIL.



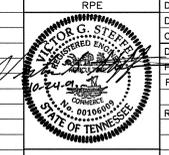
108030700-E8E-8700-A009

**KNIGHT**  
 Knight Advanced Technology  
 805-241-4433  
 805-241-3400

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

PROJECT NAME:  
**SPALLATION NEUTRON SOURCE**  
**TARGET BUILDING**  
**ELECTRICAL GROUNDING PLAN**  
**LEVEL B1, SECTOR 49**

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						
NC	NA			1.8.3.7					E7.B1.49	REV 2



REV	DATE	DESCRIPTION	DSN	CHK	DEPT	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE	ST	CV	EC	EE	EM	IE	M	PD	SE	AR	
2		CERTIFIED FOR CONSTRUCTION - 10/28/01	HG	VGS		10/28/01																		
1	A	3	1-13	DCN T-001 THRU T013 - 9/21/01	HG	VGS																		
0				SUBSTRUCTURES CERTIFIED FOR CONSTRUCTION - 4/18/01	HG	VGS																		

NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDERS ARE NOT TO BE USED FOR OTHER PURPOSES AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

THIS DOCUMENT CONTROLLED BY  
 CHANGE CONTROL SYSTEM 3  
 ENGINEERING PROCEDURE SNS-ENG-001

SECTION AND DETAIL KEY

AutoCAD