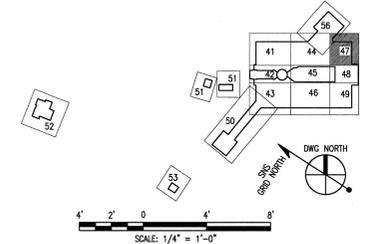
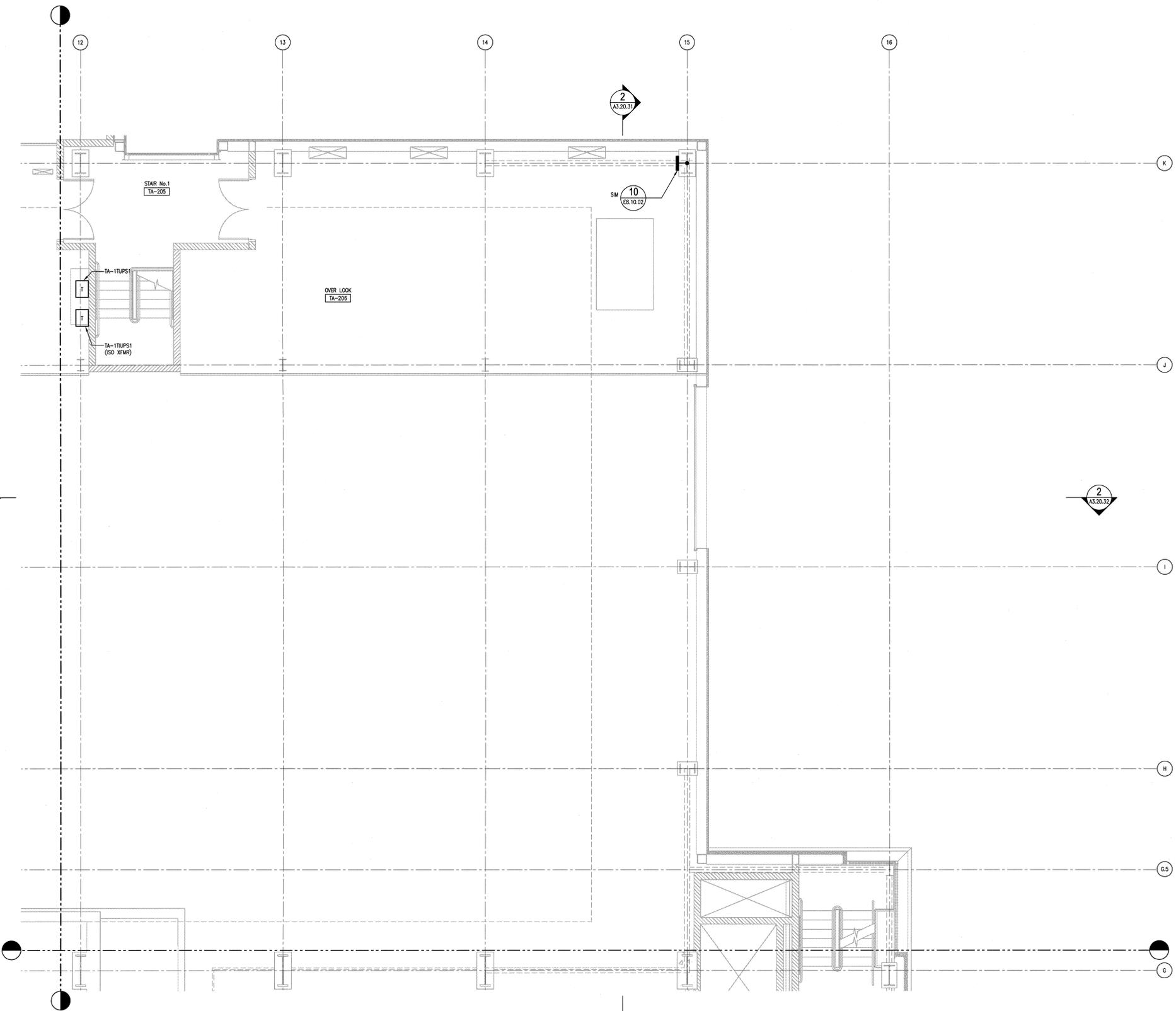


**GENERAL NOTES:**

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.



108030700-E8E-8700-A159

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**KNIGHT**  
Knight Advanced Technology

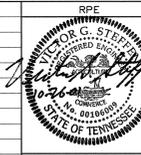
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Oak Ridge National Laboratory  
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PROJECT NAME:  
**SPALLATION NEUTRON SOURCE**

**TARGET BUILDING  
ELECTRICAL GROUNDING PLAN  
LEVEL 2, SECTOR 47**

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	E	X	X	8	8700		1	1	P	U
51		52		S3	WBS					REV
NC		NA		1.8.3.7						0

DSN	H GROVER	10/26/01
DRW	L. MAKOVSKY	10/26/01
CHK	V. STEFFEN	10/26/01
DEPT		
PL	R. Deane	11/15/01
PJ	R. Deane	11/15/01
REQ		
RPE		
REV.	0	10-26-01
DATE		



REV	DATE	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	
0		CERTIFIED FOR CONSTRUCTION - 10/26/01																										

THIS DOCUMENT CONTROLLED BY  
CHANGE CONTROL SYSTEM 3  
ENGINEERING PROCEDURE SNS-ENG-0001

NUMBER OF SECTION OR DETAIL

DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN

SECTION AND DETAIL KEY

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