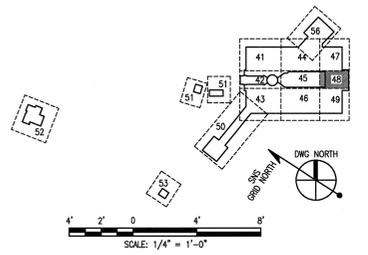
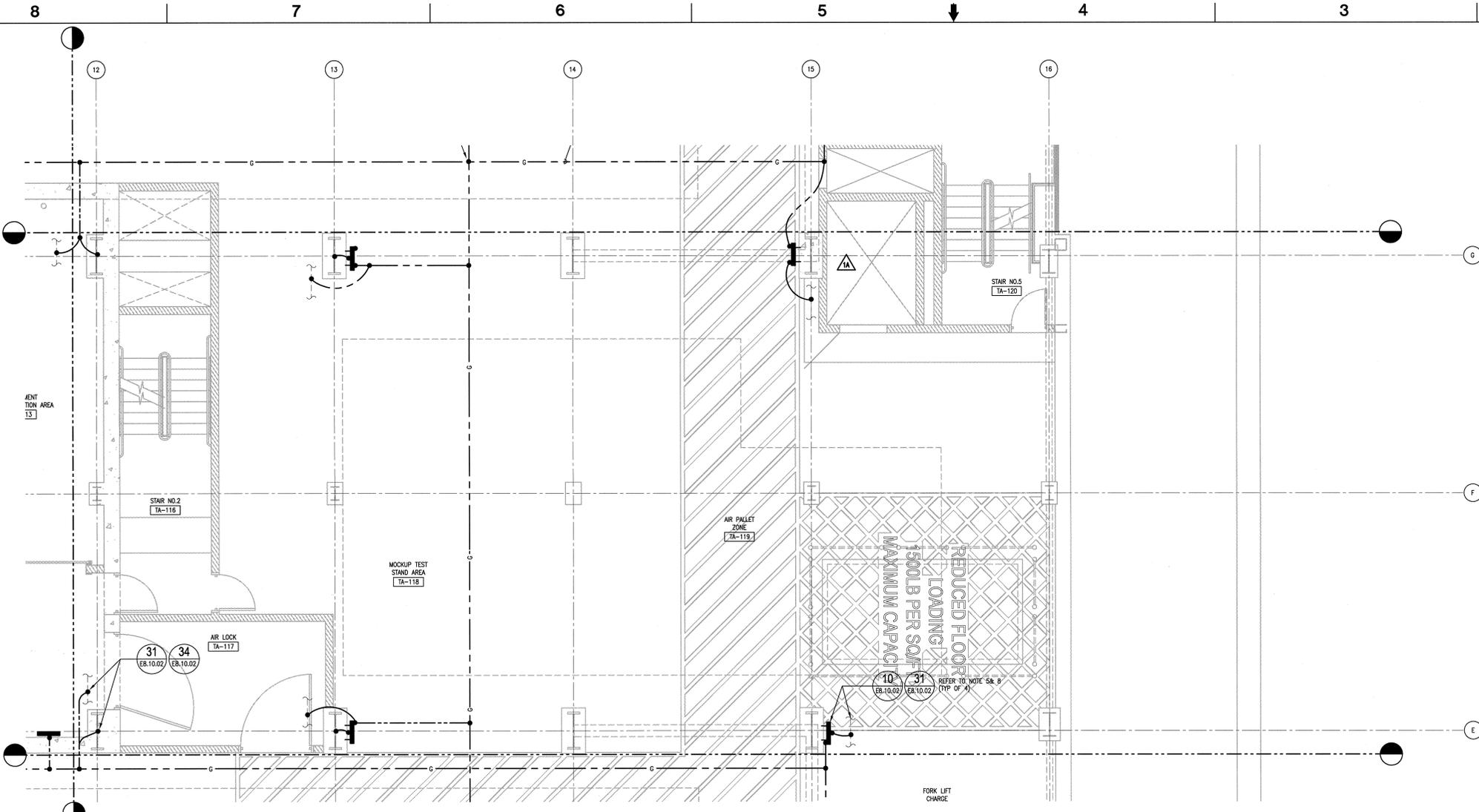


- GENERAL NOTES:**
- NOT USED.
 - ALL GROUNDING CONDUCTORS SHALL BE #4/0 STRANDED BARE COPPER (SBC), UNLESS NOTED OTHERWISE.
 - ALL GROUND CONNECTIONS SHALL BE EXOTHERMIC.
 - STUB-UP UNDERGROUND CONDUIT W/ GROUNDING BUSHING.
 - INSTALL GROUND BAR ON COLUMNS AS SHOWN. GROUND STEEL COLUMN TO THE GROUND 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.



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KNIGHT
Knight Advanced Technology

865-241-3433
for 865-241-3400

Ok Ridge National Laboratory
managed for the DEPARTMENT OF ENERGY under
U.S. GOVERNMENT CONTRACT DE-AC05-00OR22725

PROJECT NAME:
SPALLATION NEUTRON SOURCE

TARGET BUILDING ELECTRICAL GROUNDING PLAN LEVEL 1, SECTOR 48

1	48	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	E	X	X	8700	1	1	P	U	
51	52	53	WBS	1.8.3.7				E7.01.48	REV 2
NC	NA	NA							

REV	DATE	DESCRIPTION	DSN	CHK	DEPT	PE	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																							
1	A	3	1-13																						
0																									

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CHANGE CONTROL SYSTEM 3

ENGINEERING PROCEDURE SNS-ENG-0001

SECTION AND DETAIL KEY