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SUPPORTING INFORMATION			
SYSTEM USED ON	DESIGN CONTROL	CATEGORY	NO.
5ESS	IH		

SHEET INDEX NOTES

- ONLY THE LATEST ISSUE, OR ISSUES IF CONCURRENT, ARE SHOWN IN THE INDEX.
- FOR REISSUES, A CHANGED OR NEW SHEET IS ASSIGNED THE SAME ISSUE NUMBER AS SHEET 1.
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RT13

**INTERNATIONAL 5ESS®
SWITCHING EQUIPMENT
MESH EARTHING BUILDING
CIRCUIT**

DWG SIZE	ISSUE
C2	1

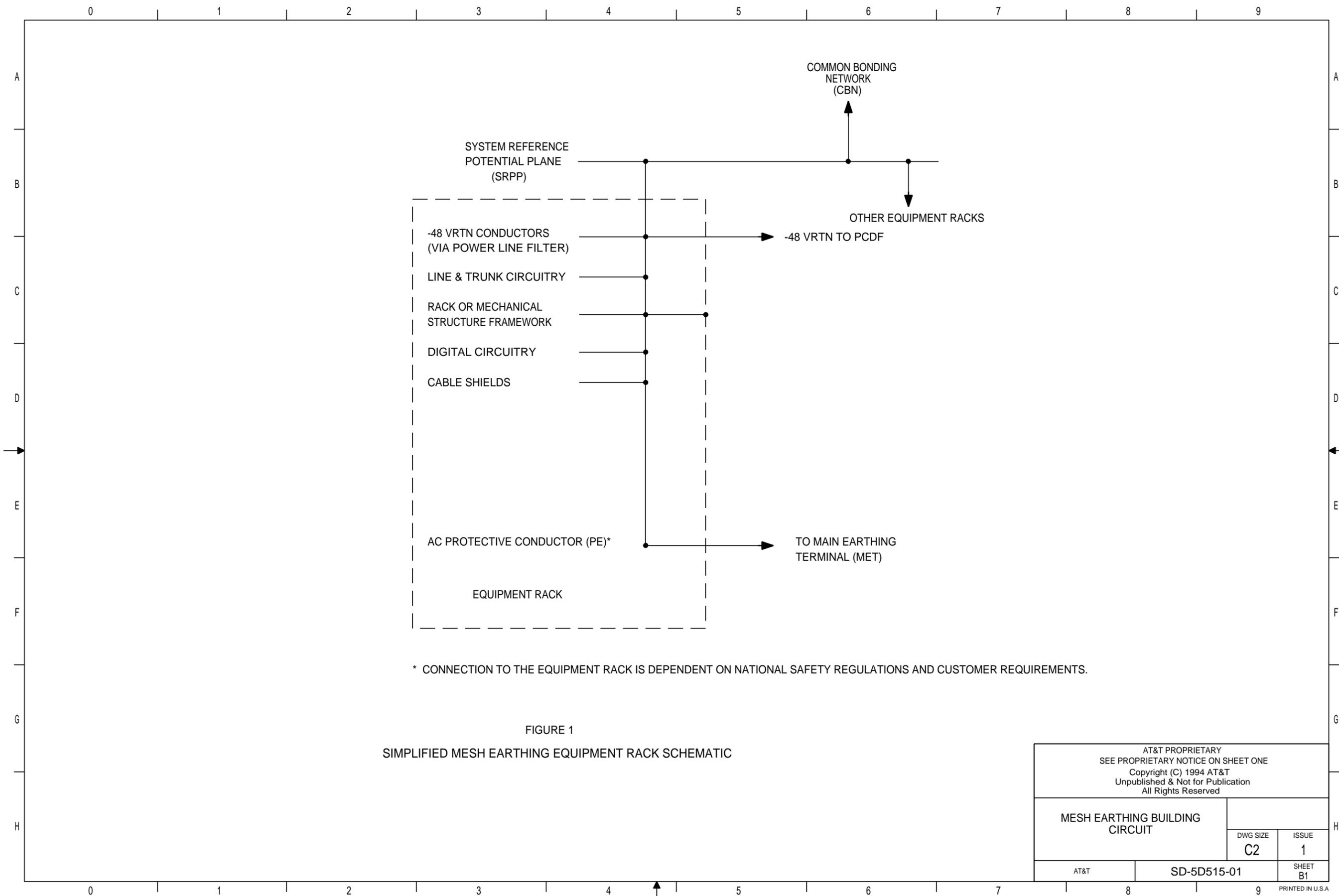
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DESIGNATION MNEMONICS INDEX

LEAD DESIG	DEFINITION
BRC	BONDING RING CONDUCTOR. A BASIC ELEMENT OF THE COMMON BONDING NETWORK.
CBN	COMMON BONDING NETWORK. METALLIC COMPONENTS THAT FORM THE PRINCIPAL BONDING NETWORK IN A BUILDING.
SRPP	SYSTEM REFERENCE POTENTIAL PLANE. THE MESH, A RECTANGULAR ARRAY OF COPPER CONDUCTORS THAT CONNECT ALL THE EQUIPMENT RACKS.
BC-A	BONDING CONDUCTOR. -48 VRTN AT BATTERY TO MAIN EARTHING TERMINAL (MET).
BC-B	BONDING CONDUCTOR. SYSTEM REFERENCE POTENTIAL PLANE (SRPP) TO MAIN EARTHING TERMINAL (MET).
BC-C	BONDING CONDUCTOR. SYSTEM REFERENCE POTENTIAL PLANE (SRPP) TO COMMON BONDING NETWORK (CBN).
BC-D	BONDING CONDUCTOR. -48 VRTN TO SYSTEM REFERENCE POTENTIAL PLANE (SRPP).
BC-E	BONDING CONDUCTOR. SYSTEM REFERENCE POTENTIAL PLANE (SRPP) TO DIGITAL DISTRIBUTION FRAME (DDF).
-48 V	-48 VOLT FEEDER.
-48 VRTN	-48 VOLT RETURN FEEDER.
EARTH	THE CONDUCTIVE MASS OF THE EARTH (ZERO POTENTIAL). THE WORD EARTH (EUROPEAN) IS SYNONYMOUS WITH THE WORD GROUND (NORTH AMERICAN) IN ELECTRICAL CIRCUITS.

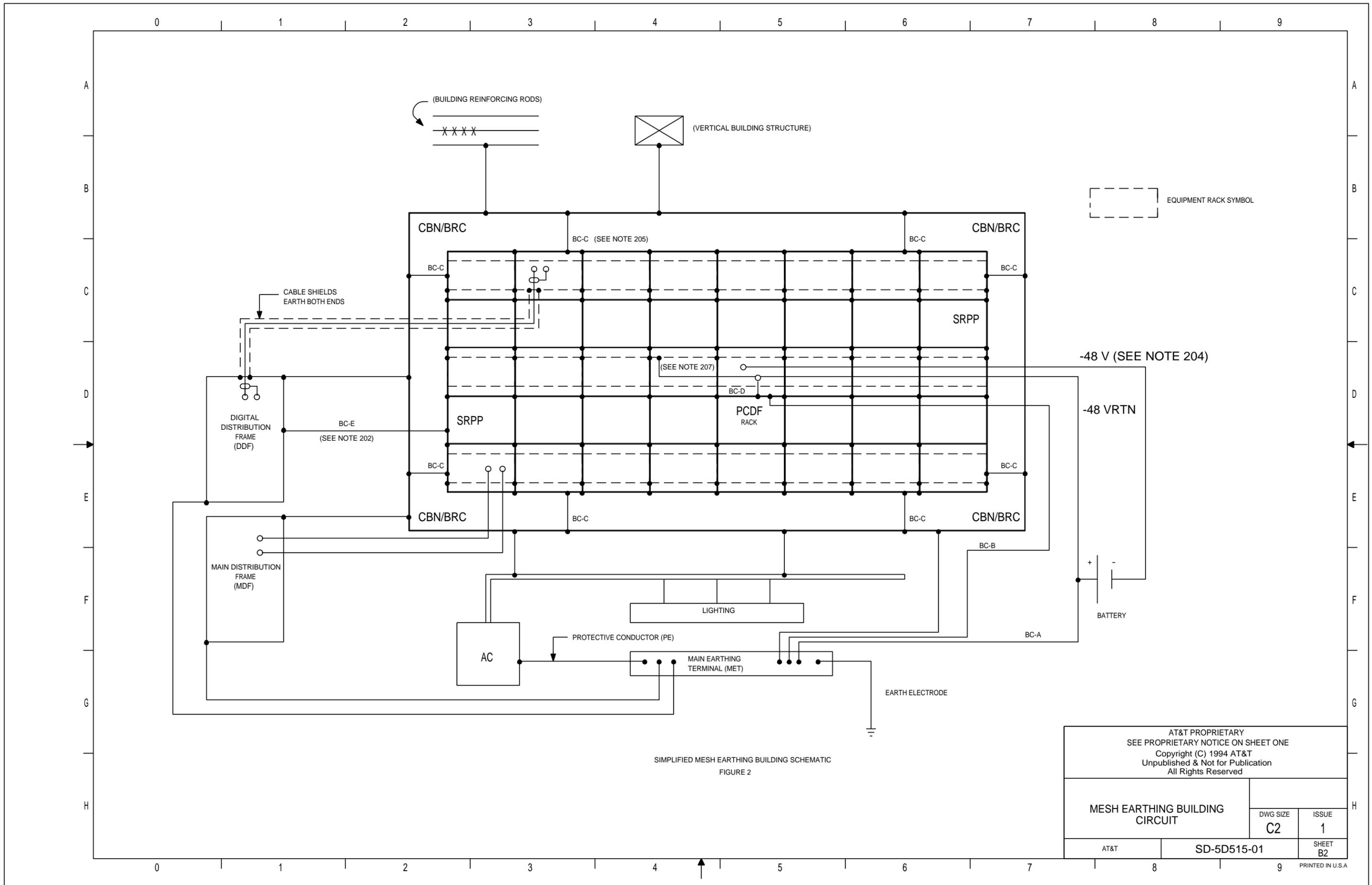
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MESH EARTHING BUILDING CIRCUIT		DWG SIZE C2
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* CONNECTION TO THE EQUIPMENT RACK IS DEPENDENT ON NATIONAL SAFETY REGULATIONS AND CUSTOMER REQUIREMENTS.

FIGURE 1
SIMPLIFIED MESH EARTHING EQUIPMENT RACK SCHEMATIC

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SIMPLIFIED MESH EARTHING BUILDING SCHEMATIC
FIGURE 2

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