NOTES:

1. PROVIDE WALL MOUNTED GROUND BUS IN DATA PROCESSING FACILITY ELECTRICAL ROOM. CONNECT GROUND BUS TO GROUND BUS IN SERVICE ENTRANCE SWITCHBOARD IN THE BASEMENT USING 4/0, BARE COPPER, CABLE RUN IN SCHEDULE 40 PVC CONDUIT.

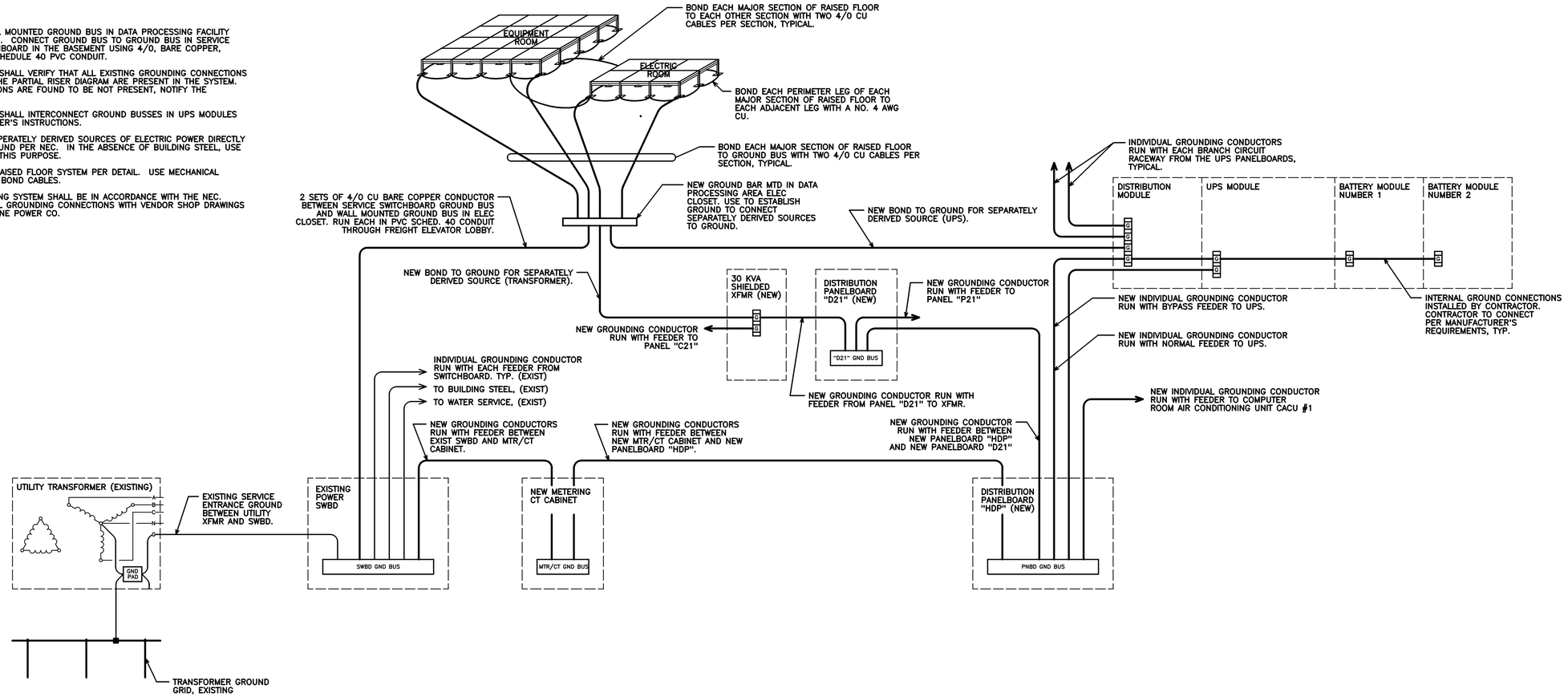
2. CONTRACTOR SHALL VERIFY THAT ALL EXISTING GROUNDING CONNECTIONS INDICITATED ON THE PARTIAL RISER DIAGRAM ARE PRESENT IN THE SYSTEM. IF ANY CONNECTIONS ARE FOUND TO BE NOT PRESENT, NOTIFY THE ARCHITECT.

3. CONTRACTOR SHALL INTERCONNECT GROUND BUSSES IN UPS MODULES PER MANUFACTURER'S INSTRUCTIONS.

4. BOND ALL SEPERATELY DERIVED SOURCES OF ELECTRIC POWER DIRECTLY TO BUILDING GROUND PER NEC. IN THE ABSENCE OF BUILDING STEEL, USE GROUND BAR OF THIS PURPOSE.

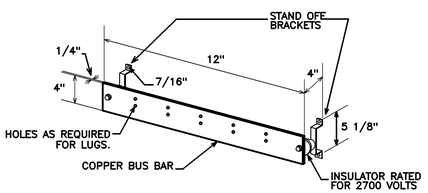
5. BOND EACH RAISED FLOOR SYSTEM PER DETAIL. USE MECHANICAL CONNECTIONS TO BOND CABLES.

6. THE GROUNDING SYSTEM SHALL BE IN ACCORDANCE WITH THE NEC. COORDINATE FINAL GROUNDING CONNECTIONS WITH VENDOR SHOP DRAWINGS AND CENTRAL MAINE POWER CO.



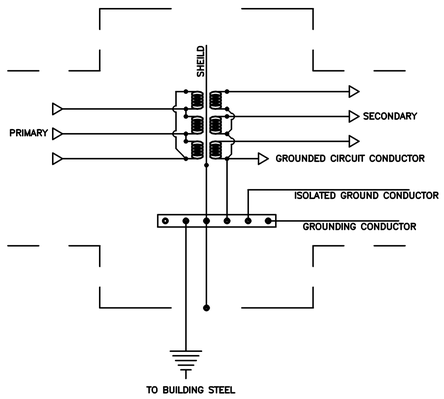
PARTIAL SYSTEM GROUNDING DIAGRAM — B1

SCALE: NONE | REF: NA



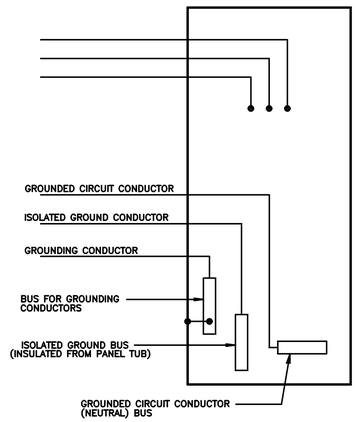
TYPICAL GROUND BAR — A4

SCALE: NONE | REF: NA



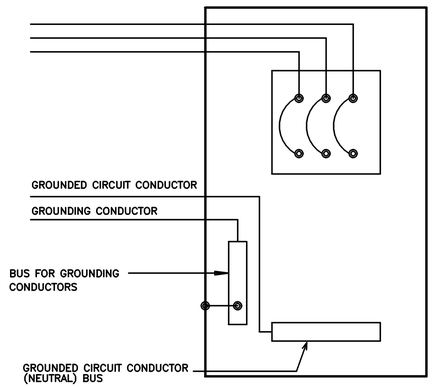
TYPICAL TRANSFORMER GROUNDING DIAGRAM — SHIELDED, ISOLATED GROUND — A3

SCALE: NONE | REF: NA



TYPICAL PANELBOARD GROUNDING DIAGRAM — ISOLATED GROUND — A2

SCALE: NONE | REF: NA



TYPICAL PANELBOARD GROUNDING DIAGRAM — STANDARD GROUND — A1

SCALE: NONE | REF: NA

Architects + Engineers

HARRIMAN ASSOCIATES

66 Pearl Street, Suite 301
Portland, Maine 04101

207.775.0053 tel
207.775.0460 fax
www.harriman.com

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Project Title

MEMIC COMPUTER ROOM RELOCATION

PORTLAND, MAINE

HA Project No.	04150

Key Plan

Mark	Date	Description
–	11–03–04	ISSUED FOR CONSTRUCTION
–	10–19–04	90% REVIEW
–	10–01–04	DD REVIEW

Issue Dates

Drawing Status

Drawing Title

ELECTRICAL DETAILS

PA / PE: KOS | Drawn By: WJB

Drawing Number

E70.1