

TABLE 1, TRANSFORMER GROUND ELECTRODE CONDUCTOR SIZE (PER NEC TABLE 250.66) 480 - 208/120V VAC, 3 PHASE	
TRANSFORMER KVA	GROUND ELECTRODE SIZE AWG
3	8
6	8
9	8
15	8
30	8
45	4
75	2
112.5	1/0
150	2/0
225	2/0
300	3/0
500	3/0
750	3/0
1000	3/0
2000	3/0
3000	3/0

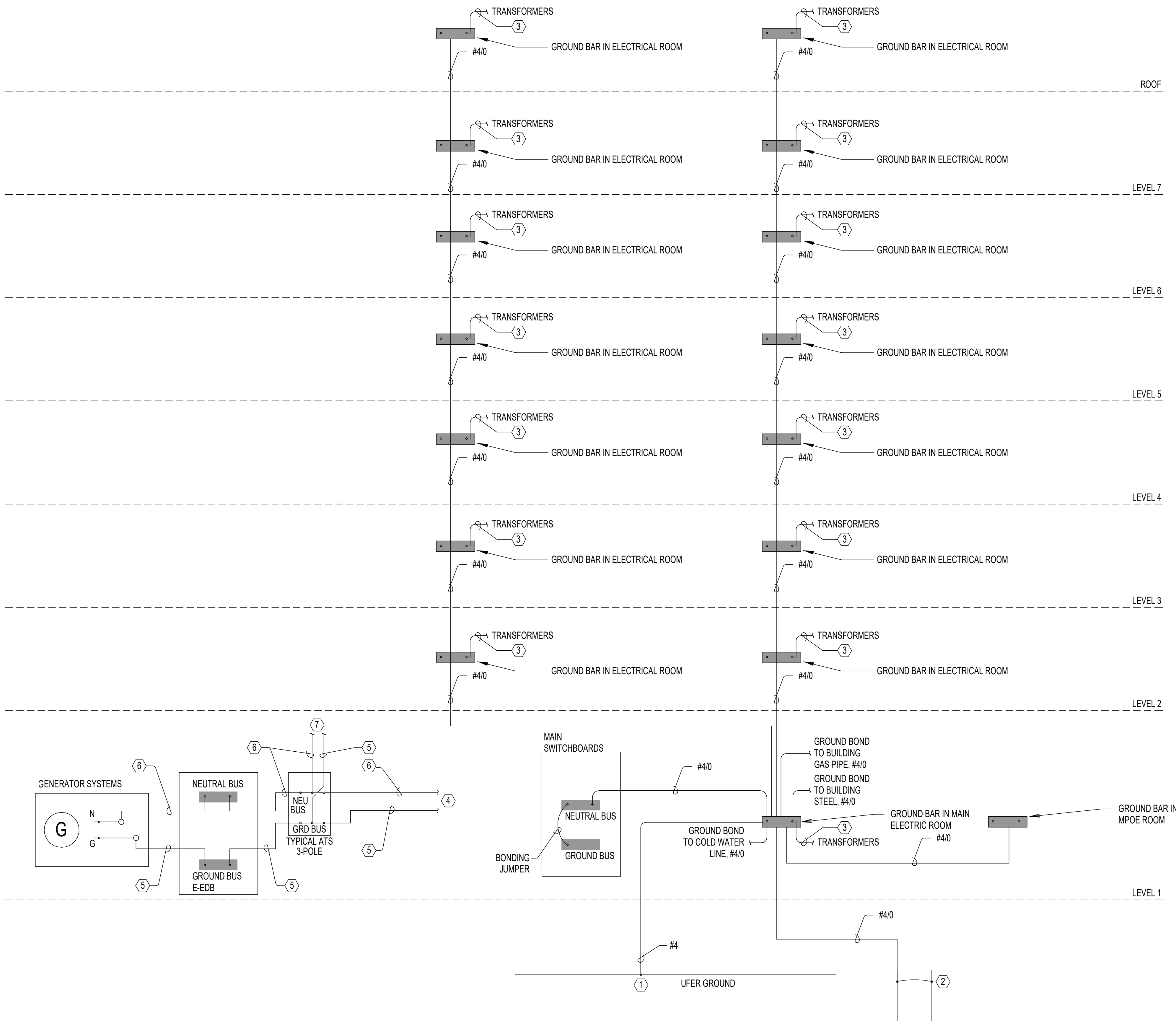
GENERAL NOTES:

- A. PROVIDE BARE COPPER, PROVIDE PVC RACEWAY AS NEEDED FOR PROTECTION.
- B. REFER TO TELECOM SHEETS FOR TELECOM GROUNDING INFORMATION.

NOTES:

1. PROVIDE A 20 FOOT LENGTH OF #4 BARE COPPER CONDUCTOR, EMBEDDED IN THE BOTTOM PORTION OF THE CONCRETE SLAB. ELECTRODE TO BE ENCASED BY A MINIMUM OF 2" CONCRETE - OR - CONNECT TO A STEEL REINFORCING BAR WITH A MINIMUM OF 20 FOOT LENGTH AND 1/2" SIZE.
2. NOT USED.
3. SIZE THE TRANSFORMER GROUNDING ELECTRODE CONDUCTOR PER TABLE 1.
4. EQUIPMENT GROUND CONDUCTOR AND NEUTRAL CONDUCTOR ROUTED TO NORMAL POWER SOURCE PANEL. REFER TO ONE-LINE DRAWING.
5. EQUIPMENT GROUNDING CONDUCTOR (INSULATED) INCLUDED WITH THE FEEDER.
6. NEUTRAL CONDUCTOR INCLUDED WITH THE FEEDER.
7. EQUIPMENT GROUND CONDUCTOR AND NEUTRAL CONDUCTOR INCLUDED IN FEEDER TO PANEL.

1 GROUNDING RISER DIAGRAM - ELECTRICAL  
1/2" = 1'-0"



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△	Date	Description
	11/18/2022	CORE & SHELL 50% DESIGN DEVELOPMENT
	02/03/2023	CONSOLIDATED PROGRESS SET
	05/02/2023	PROGRESS SET
	12/22/2023	CD PROGRESS SET FOR PERMIT AND PRICING
	02/22/2024	CD - MEP BID SET
	03/29/2024	Issue for Permit
1	10/11/2024	ISSUE FOR CONSTRUCTION

Seal / Signature

Project Name

MICRON BUILDING B42

Project Number

22-1717

Description

GROUNDING RISER  
DIAGRAMS - ELECTRICAL

Scale

NOT TO SCALE

E6.004

City of Boise Stamps