

**DRAWING KEY NOTES:**

- ① PROVIDE LIGHTING INVERTER FOR EMERGENCY EXTERIOR LIGHT FIXTURES. SEE DETAIL ON DRAWING E6.1.
- ② 3/4" CAT5e CABLE

**1**  
E1.1 **FIRST FLOOR LIGHTING PLAN**  
scale: 1/8" = 1'-0"

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JOB NUMBER: 19-18

**THE KNOLLS  
OFFICE  
BUILDING  
SHELL**

**SNAKE RIVER LANDING  
IDAHO FALLS, IDAHO  
SRL NO. 12, LOT 4**

**FOR  
CONSTRUCTION**

#	DATE	DESCRIPTION

ISSUE:	06.18.19
PROJECT NO:	18051
DRAWN BY:	D.B.H.
CHECKED BY:	M.N.B.

SHEET TITLE

**FIRST FLOOR  
LIGHTING PLAN**

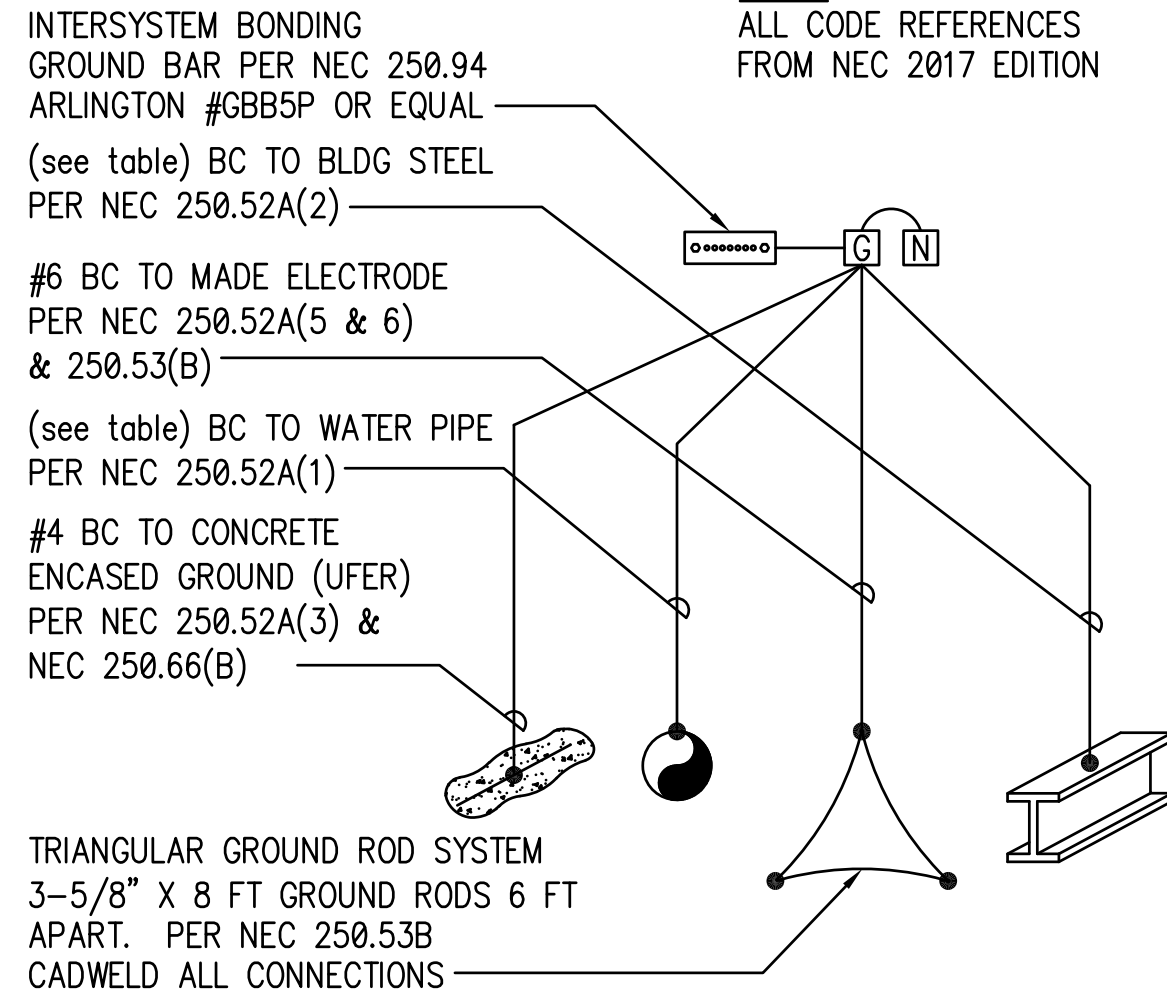
**E1.1**

TABLE 250.66 FROM NEC

SIZE OF LARGEST UNGROUNDED SERVICE-ENTRANCE CONDUCTOR (AWG/KCMIL)	SIZE OF GROUNDING ELECTRODE CONDUCTOR (AWG/KCMIL)	MAX SERVICE SIZE
2 OR SMALLER	8	100A
1 OR 1/0	6	150A
2/0 OR 3/0	4	200A
OVER 3/0 THROUGH 350	2	300A
OVER 350 THROUGH 600	1/0	400A
OVER 600 THROUGH 1100	2/0	500A
OVER 1100	3/0	1000A

FOR OVER 1100 KCMIL ALSO REFER TO NEC PARAGRAPH 250.24(C)(1) GROUNDED CONDUCTOR SHALL NOT BE SMALLER THAN 12-1/2% OF THE AREA OF THE LARGEST SERVICE CONDUCTOR

NOTE:  
ALL CODE REFERENCES FROM NEC 2017 EDITION

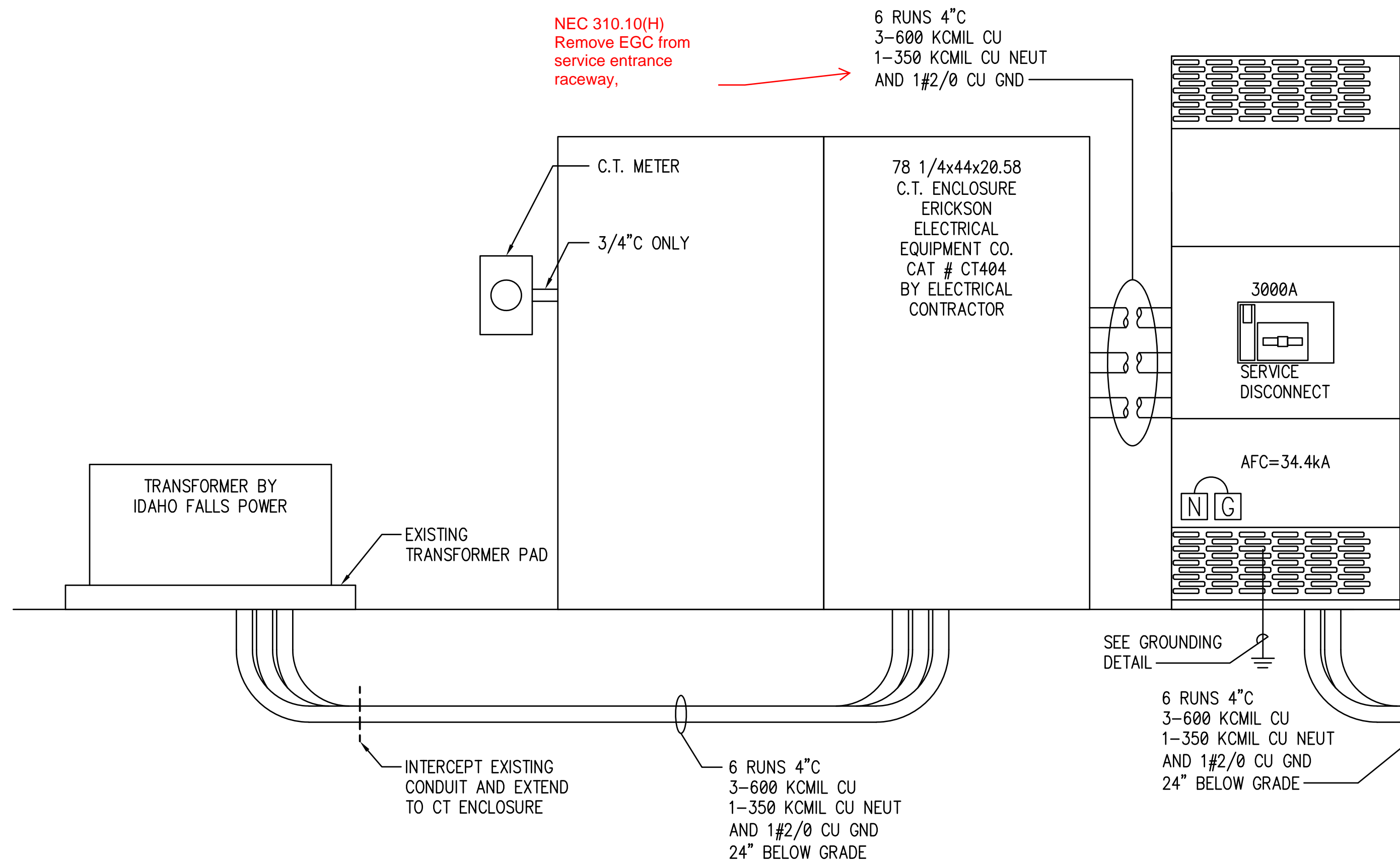


GROUNDING SHALL BE COMPLETED TO ALL TYPES SHOWN

**2 GROUNDING DETAIL**  
E4.1 scale: NTS

NEC 310.10(H) Remove EGC from service entrance raceway.

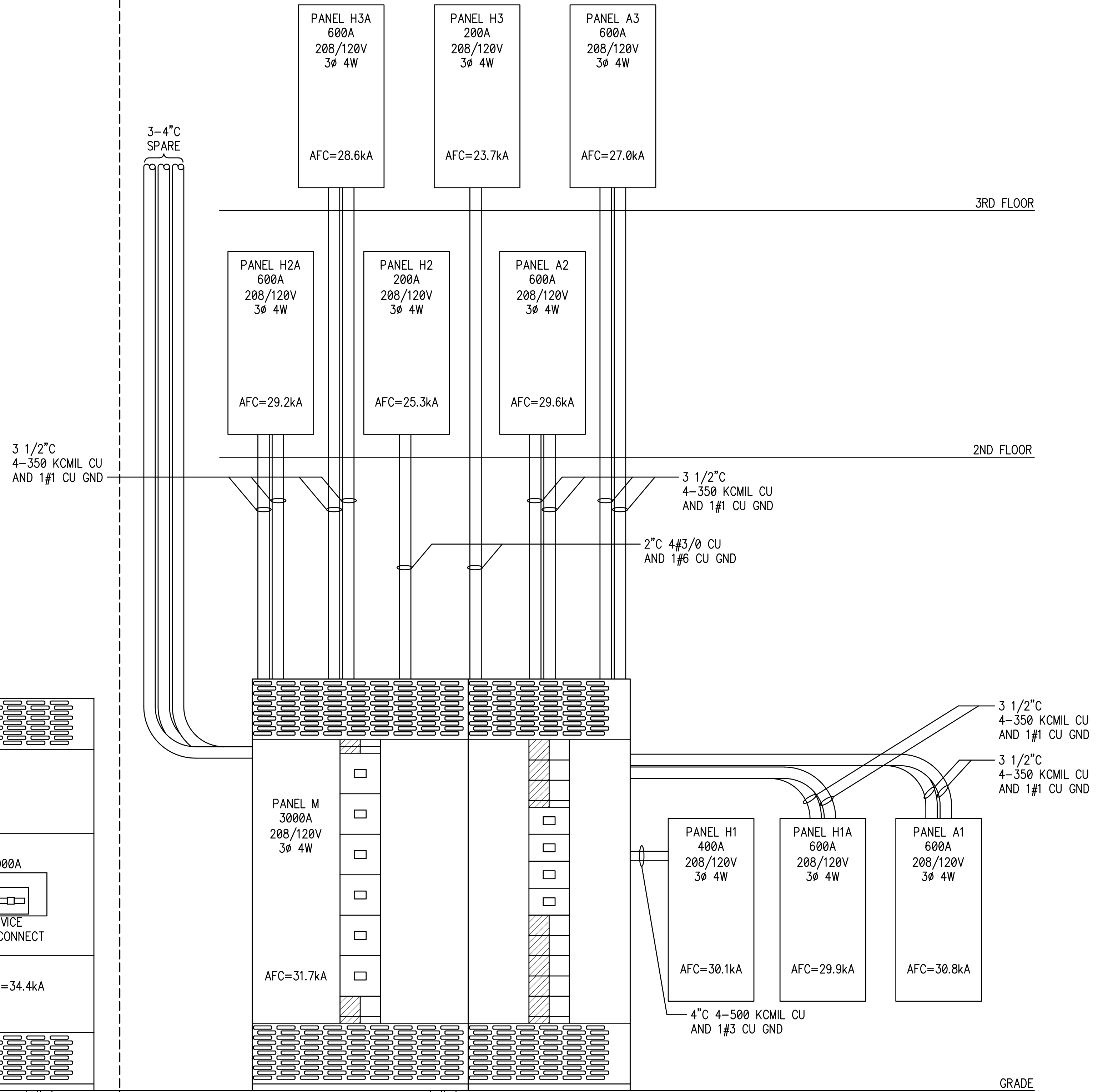
6 RUNS 4" 3-600 KCMIL CU  
1-350 KCMIL CU NEUT AND 1#2/0 CU GND



**1 POWER RISER**  
E4.1 scale: NTS

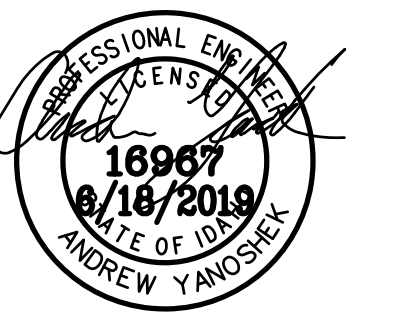
NEC 240.4(C) Where overcurrent device exceeds 800 amperes, the ampacity of the conductors shall be equal to or greater than the rating of the OCPD

EXTERIOR | INTERIOR



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**POWER RISER  
AND DETAILS**

E4.1