

DRAWINGS PROVIDED BY:  
**Pendium Group, LLC**  
 4265 Duck Club Rd., Ravenel, SC 29470  
 o. 843.405.7055 | f. 888.887.5076 | Pendium.com

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Ravenel Welch Residence  
 100 FARMFIELD AVENUE

Revision	Date	Description

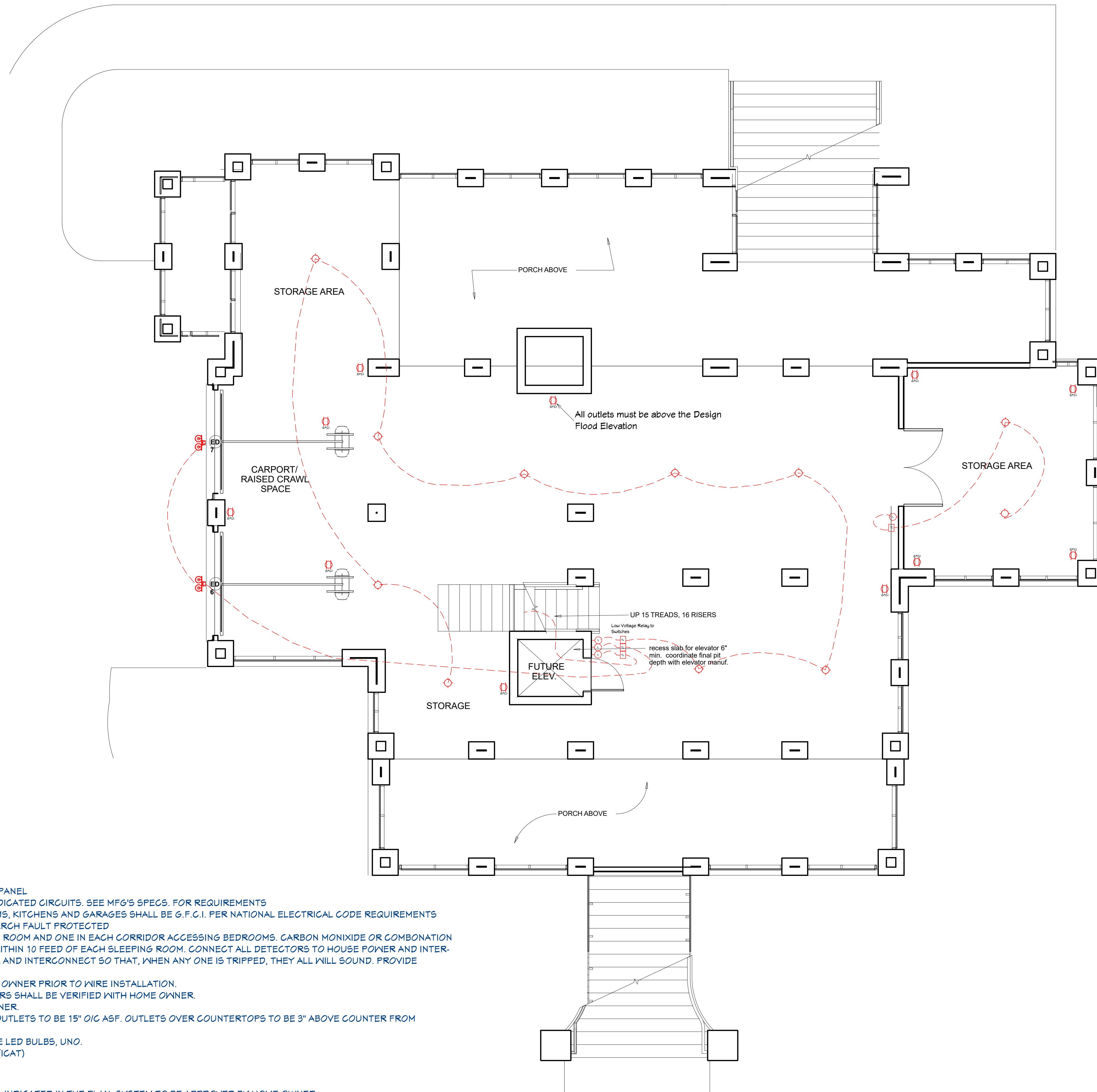
Electrical

DATE:  
10/12/22

SHEET:

E1

2D SYMBOL	QTY	DESCRIPTION
	1	CAT5 W/ TV
	3	CO/SMOKE DETECTOR
	2	CEILING FAN/LIGHT
	1	CONTROLLED BY LOW VOLTAGE
	2	ELECTRICAL PANEL
	7	EXHAUST
	11	GFCI DUPLEX CEILING MOUNTED
	1	GFCI W/P
	2	LOW VOLTAGE SWITCH
	1	LOW VOLTAGE TRANSFORMER
	10	WALL SCONCE
	20	OLD SOUTH PENDANT
	40	RECESSED DOWN LIGHT 6
	3	SMOKE DETECTOR 1
	4	SPOTLIGHT 2
	3	CEILING FAN



**ELECTRICAL NOTES:**

1. PROVIDE MIN. 400 AMP SERVICE TO MAIN PANEL
2. ALL APPLIANCES & UTILITIES TO HAVE DEDICATED CIRCUITS. SEE MFG'S SPECS. FOR REQUIREMENTS
3. ELECTRICAL RECEPTACLES IN BATHROOMS, KITCHENS AND GARAGES SHALL BE G.F.C.I. PER NATIONAL ELECTRICAL CODE REQUIREMENTS
4. ALL BEDROOM OUTLETS AND LIGHTS BE ARCH FAULT PROTECTED
5. PROVIDE ONE SMOKE DETECTOR IN EACH ROOM AND ONE IN EACH CORRIDOR ACCESSING BEDROOMS. CARBON MONOXIDE OR COMBINATION CO/SMOKE DETECTORS ARE REQUIRED WITHIN 10 FEET OF EACH SLEEPING ROOM. CONNECT ALL DETECTORS TO HOUSE POWER AND INTERCONNECT DETECTORS TO HOUSE POWER AND INTERCONNECT SO THAT, WHEN ANY ONE IS TRIPPED, THEY ALL WILL SOUND. PROVIDE BATTERY BACKUP FOR ALL UNITS.
6. CIRCUITS SHALL BE VERIFIED WITH HOME OWNER PRIOR TO WIRE INSTALLATION.
7. FINAL SWITCHES FOR TIMERS AND DIMMERS SHALL BE VERIFIED WITH HOME OWNER.
8. FIXTURES TO BE SELECTED BY HOME OWNER.
9. UNO - ALL SWITCHES TO BE 48" OIG ASF. OUTLETS TO BE 15" OIG ASF. OUTLETS OVER COUNTERTOPS TO BE 3" ABOVE COUNTER FROM BOTTOM. (ASF = ABOVE SUBFLOOR)
10. ALL LIGHTING SHALL BE DIMMABLE AND USE LED BULBS, UNO.
11. ALL RECESSED CANS TO BE IC AIR TIGHT (ICAT)

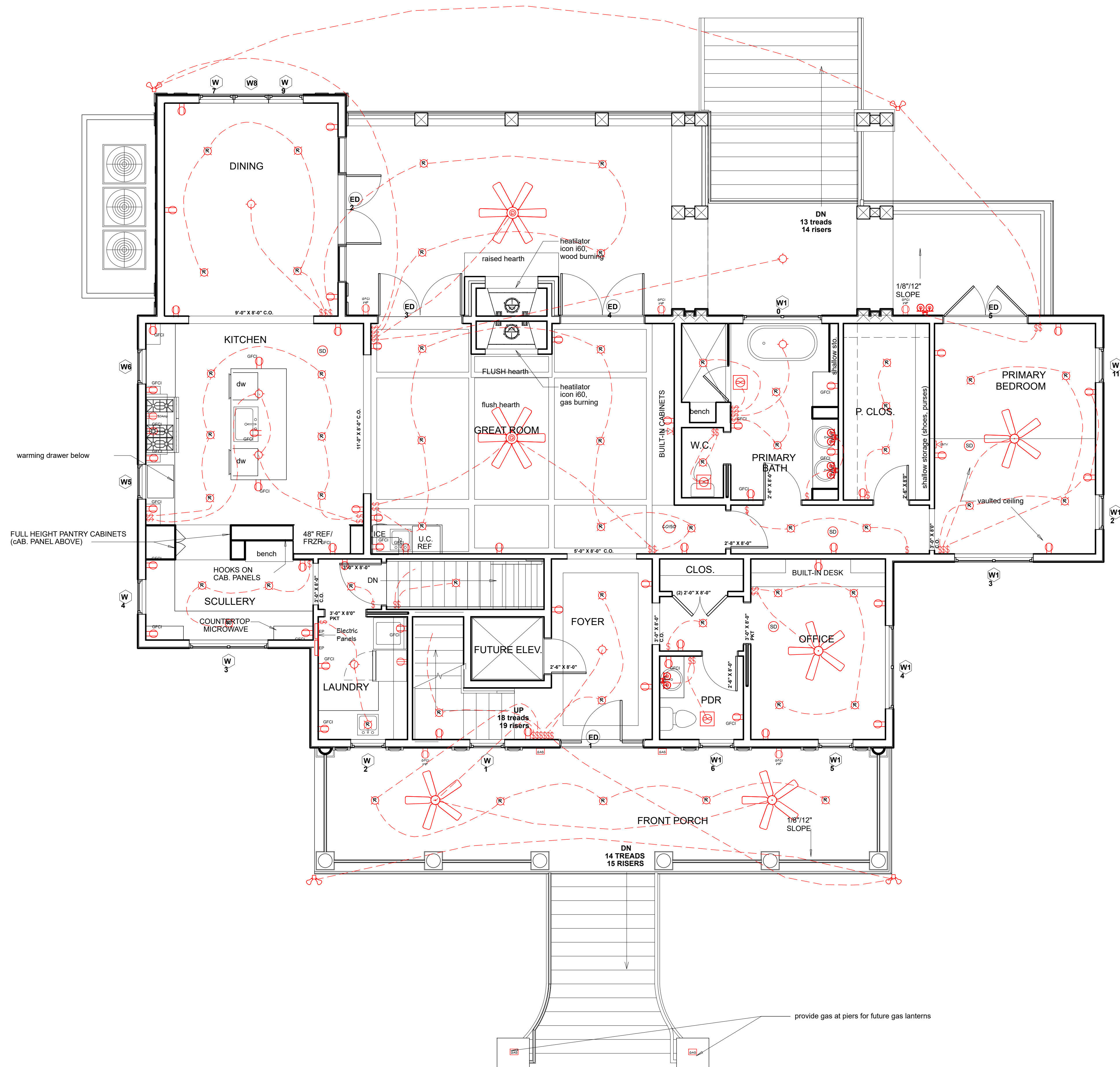
**DATA / CABLE:**

LOCATE SECURITY, MEDIA & DATA PANELS AS INDICATED IN THE PLAN; SYSTEM TO BE APPROVED BY HOME OWNER.

**Electrical Plan**

Scale: 1/4" = 1'

Foundation



1st Floor

Electrical Plan  
Scale: 1/4" = 1'



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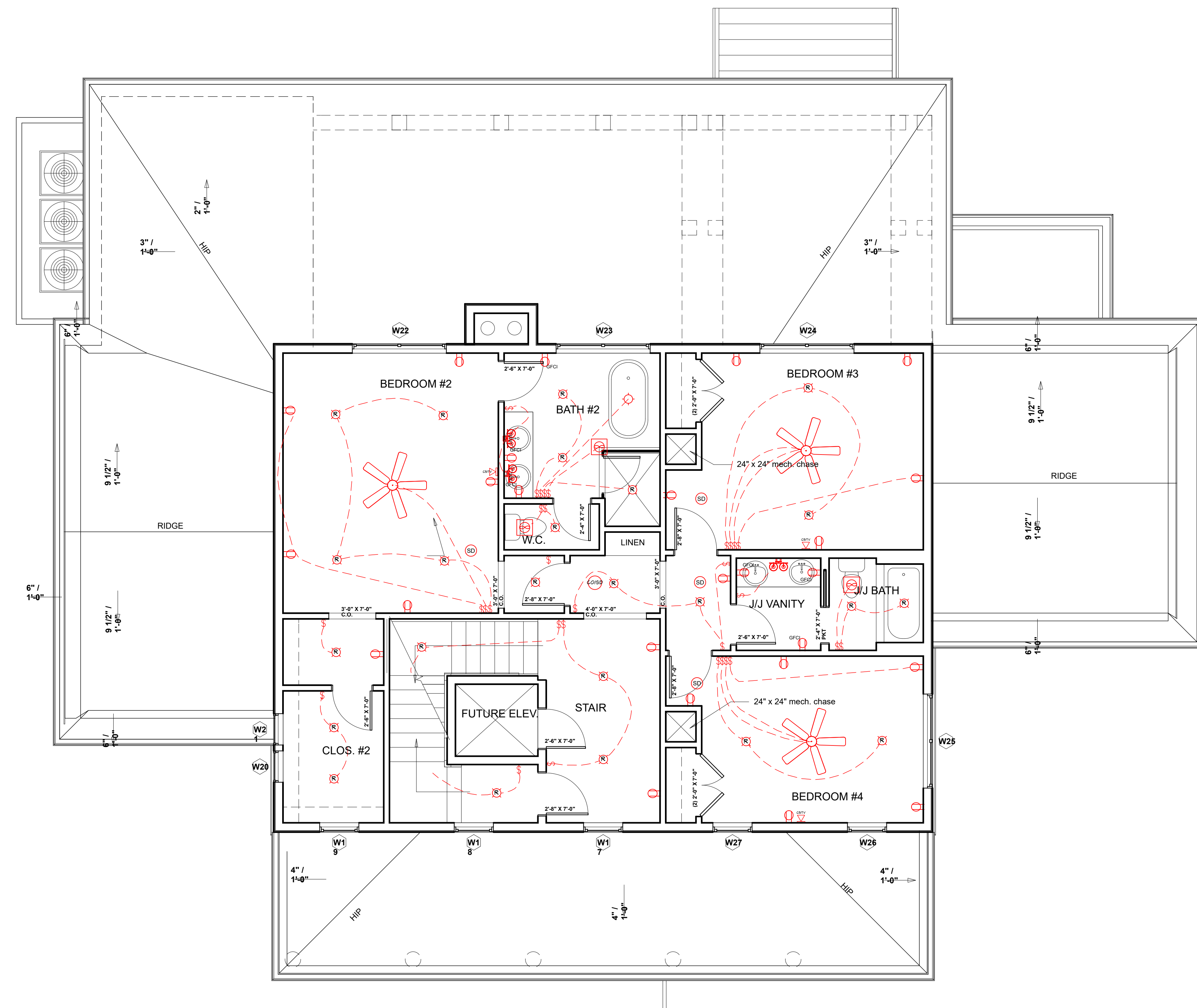
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Electrical

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E2



2nd Floor

Electrical Plan  
Scale: 1/4" = 1'



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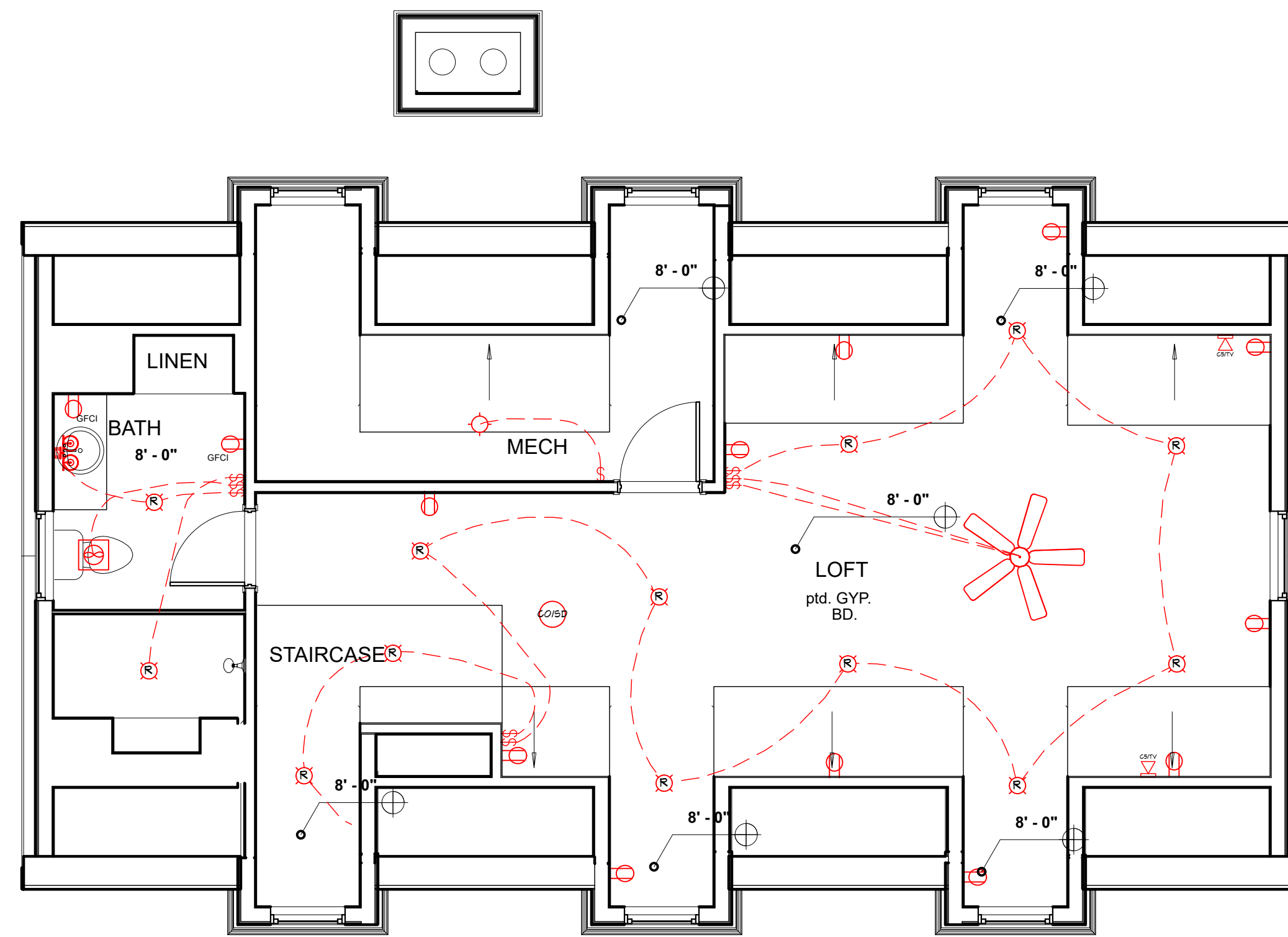
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Electrical

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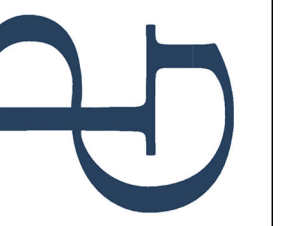
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3rd Floor

**Electrical Plan**  
Scale: 1/4" = 1'



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SHEET:

**E4**



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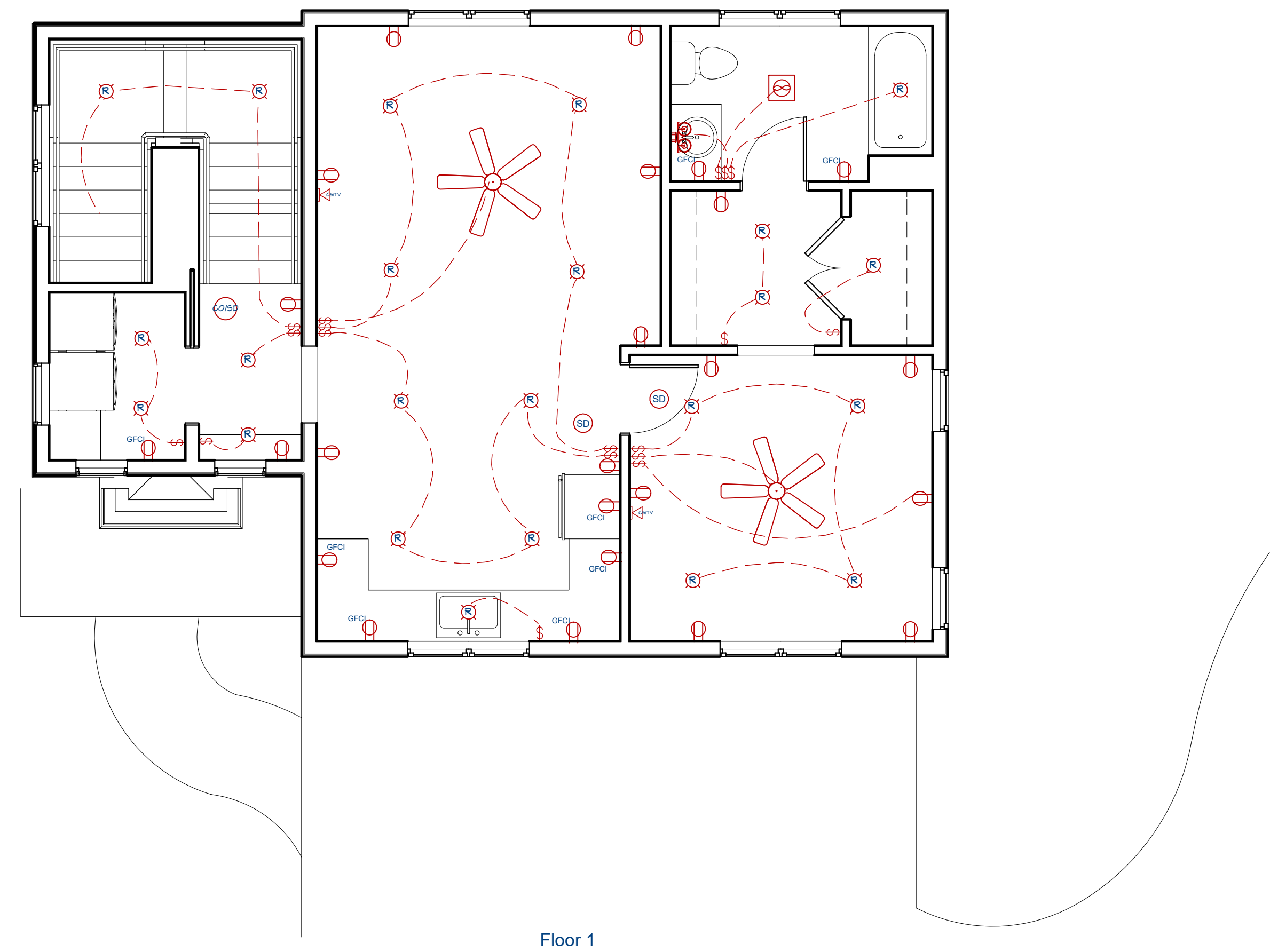
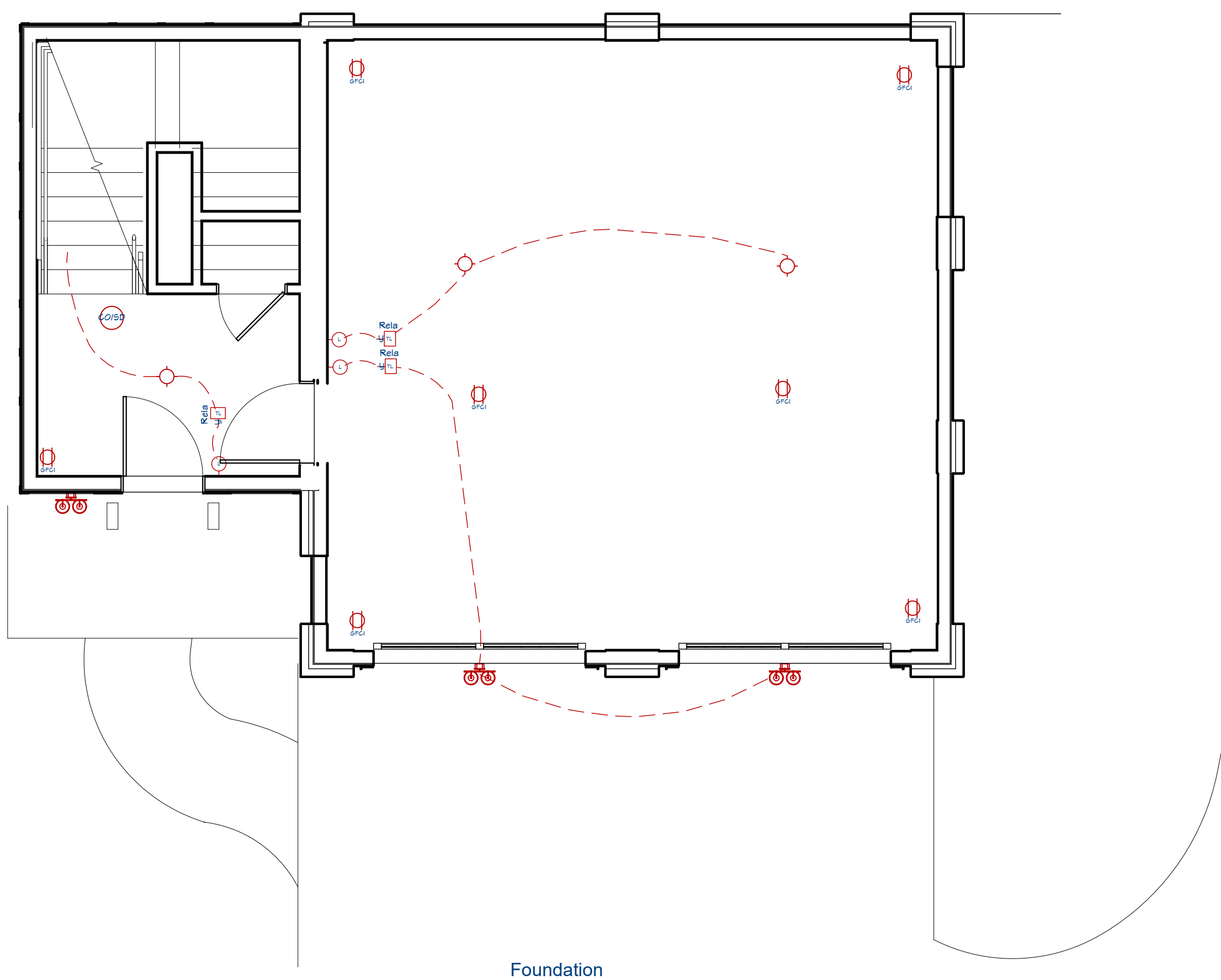
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E5



**Electrical Plan (ADU)**  
 Scale: 1/4" = 1'