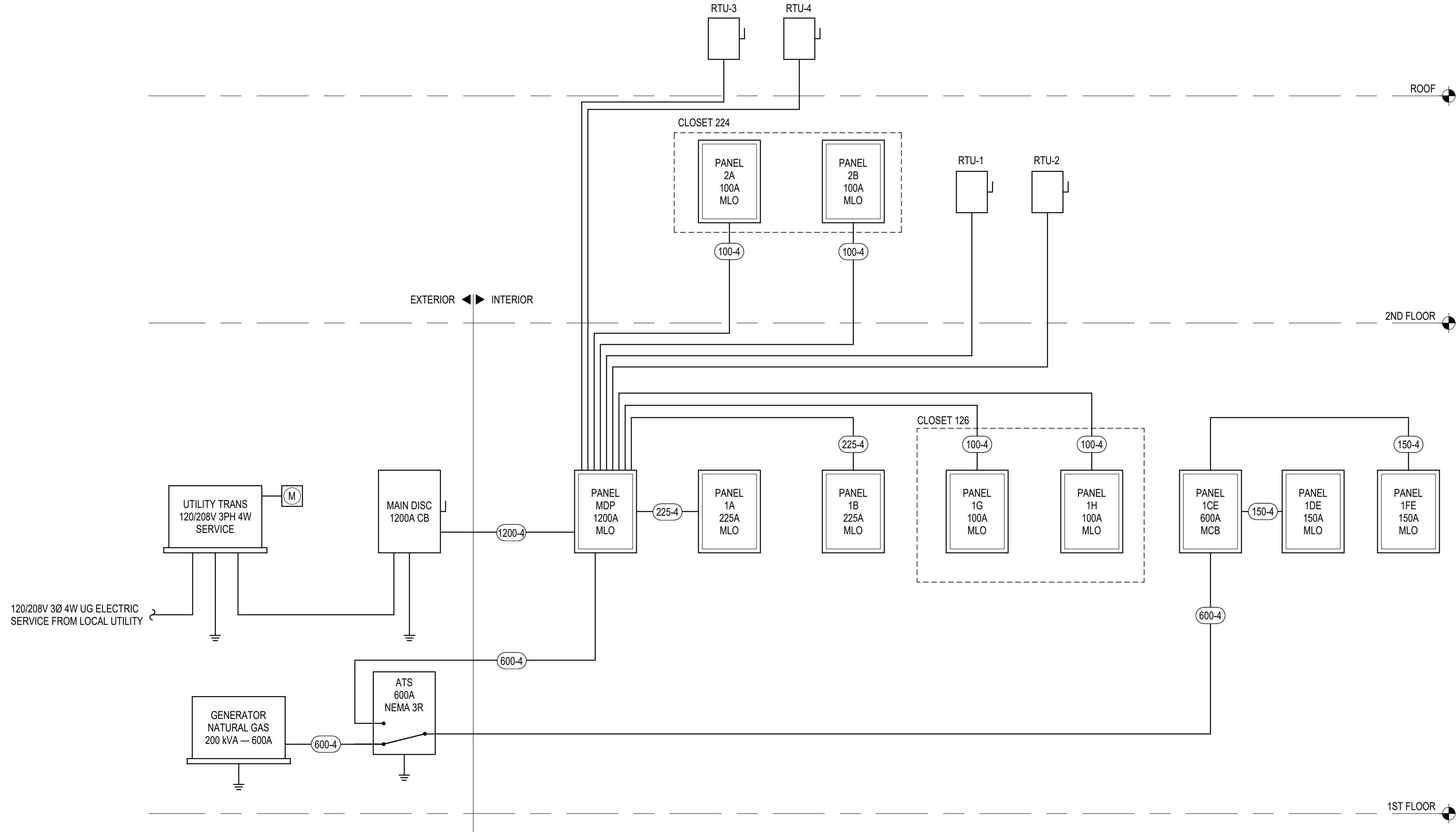




FEEDER SCHEDULE				
AMPERAGE	PARALLEL SETS	WIRE SIZE	GROUND SIZE	CONDUIT SIZE
100	1	#3	#8	1.25"
150	1	1/0	#6	2.00"
225	1	4/0	#2	2.50"
600	2	350 MCM	#2	3.00"
1200	3	600 MCM	1/0	3.50"

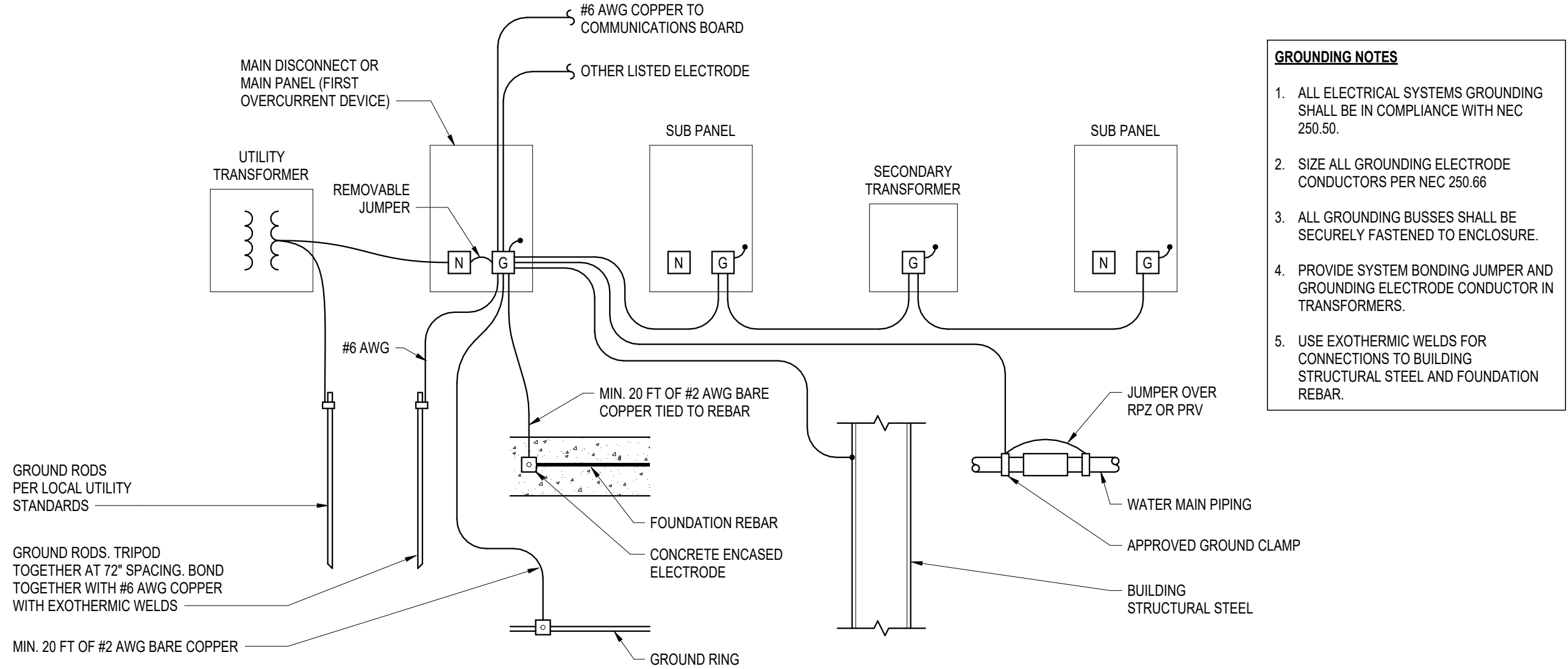
FEEDER SYMBOL:
 (XXX-X)
 AMPS — NUMBER OF WIRES

NOTES:
 1. ALL WIRING SHALL BE THHN COPPER UNLESS NOTED.
 2. NUMBER OF SETS INDICATES NUMBER OF PARALLEL SETS OF CONDUCTORS IN CONDUIT.
 3. CONDUIT SIZING IS BASED ON IMC CONDUIT. ADJUST SIZE AS NECESSARY FOR OTHER CONDUIT TYPES.
 4. WIRE SIZE INCLUDES HOT AND NEUTRAL WIRES.
 5. GROUND SIZES INCLUDES (1) GROUND WIRE.

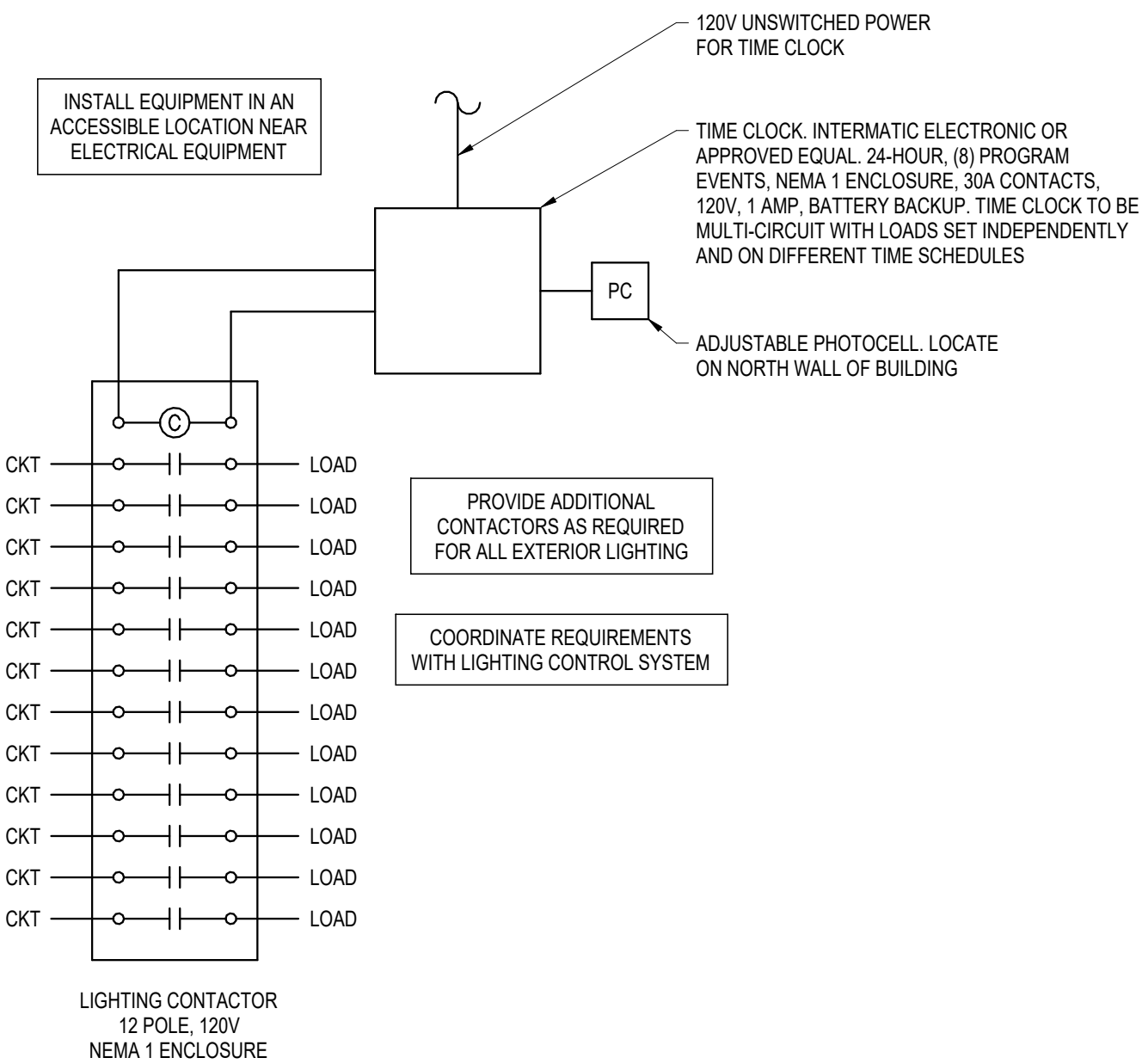
- ELECTRIC RISER DIAGRAM NOTES:**
- ELECTRICAL CONTRACTOR SHALL CONTACT AND COORDINATE SERVICE REQUIREMENTS WITH LOCAL UTILITY COMPANY PRIOR TO INSTALLATION. INCLUDE ALL UTILITY CHARGES IN BID. NO CHANGE ORDERS WILL BE APPROVED WHERE THE CONTRACTOR FAILS TO VERIFY ANY AND ALL REQUIREMENTS OF THE LOCAL UTILITY AND AHJ PRIOR TO BIDDING.
 - THE SIZING SHOWN ON THIS DIAGRAM IS A GUIDELINE. REFER TO THE NATIONAL ELECTRIC CODE, SPECIFICALLY TABLES 310.15(B)(16) AND ANNEX C. CALCULATE VOLTAGE DROP FOR ALL CONDUCTORS IN EXCESS OF 75 FEET IN LENGTH AND INCREASE CONDUCTOR AND RACEWAY SIZES AS REQUIRED.
 - GROUND ENTIRE SYSTEM PER ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
 - PROVIDE SURGE PROTECTIVE DEVICES (SPD) FOR PANELBOARDS SERVING CRITICAL OFFICE EQUIPMENT AND IT ROOMS.
 - PROVIDE SIGNAGE INDICATING TWO SOURCES OF POWER PER NEC REQUIREMENTS.

1 ELECTRICAL RISER DIAGRAM

NOT TO SCALE

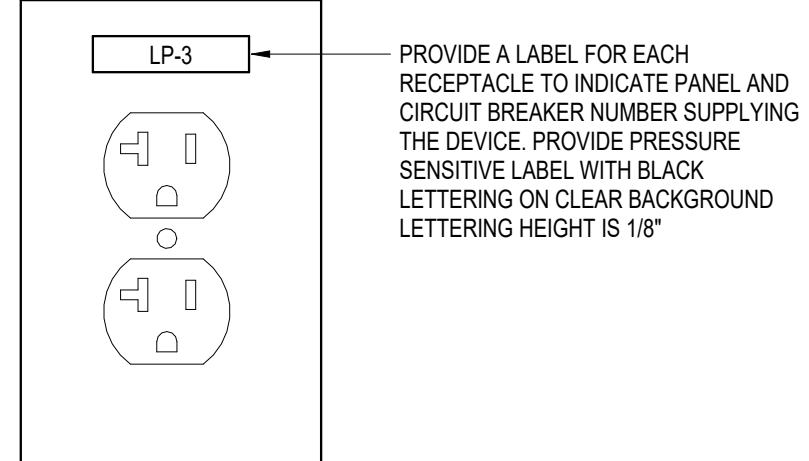


- GROUNDING NOTES**
- ALL ELECTRICAL SYSTEMS GROUNDING SHALL BE IN COMPLIANCE WITH NEC 250.50.
 - SIZE ALL GROUNDING ELECTRODE CONDUCTORS PER NEC 250.66
 - ALL GROUNDING BUSSES SHALL BE SECURELY FASTENED TO ENCLOSURE.
 - PROVIDE SYSTEM BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR IN TRANSFORMERS.
 - USE EXOTHERMIC WELDS FOR CONNECTIONS TO BUILDING STRUCTURAL STEEL AND FOUNDATION REBAR.



4 EXTERIOR LIGHTING CONTROL SCHEMATIC

NOT TO SCALE



2 RECEPTACLE LABELING DETAIL

6" = 1'-0"

3 GROUNDING DETAIL

12" = 1'-0"



KEY ARCHITECTURE INC.

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PH: 479.444.6066 FAX: 479.444.1445

FOR PERMIT & CONSTRUCTION

Revision Schedule

Rev. #	Date	Description

NEW Arcare MEDICAL OFFICE BUILDING
2709 Massard Rd
FT. SMITH, AR 72903

Arcare
117 S. 2ND ST.
AUGUSTA, AR 72006

TERRELL
ENGINEERING CONSULTANTS

310 W. MAIN ST. SUITE C
RUSSELLVILLE, AR 72801
PHONE (479) 595-8177
WWW.TERRELLENG.COM

DATE 06-15-2026
PROJECT # 2517

DRAWN BY CH
CHECKED BY JT

SHEET
E501
ELECTRICAL DETAILS

AR FIRM # 3434