

ELECTRICAL PLAN
SCALE 1/4"=1'-0"

- NOTE:**
all 120 volt, single phase, 15 and 20 ampere branch circuits supplying outlets installed in dwelling unit family rooms, kitchens, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunroom, recreation rooms, closets, hallways, laundry areas, or similar rooms or areas shall be protected by a listed arc-fault circuit interrupter, combination type, installed to provide protection of the branch circuits.
- ① Service/Feeder Entrance Conductors: 2 1/2" rigid conduit, min 18" deep, w. continuous ground bonding conductor, Service/Entrance Conductors shall not be spliced except that bolted connections at the Meter, Disconnecting Devices and Panel shall be allowed.
 - ② Existing Meter Enclosure, weatherproof, U.L. Listed.
 - ③ Main Disconnect Switch: fused or Main Breaker, weatherproof, U.L. Listed.
 - ④ Service entrance ground: 5/8" diameter iron/steel rod x 8'-0" long and/or concrete encased foundation steel rebar x 20'-0" long. Grounding conductor shall be bonded to each piece of Service/Entrance Equipment, and shall be sized per Item #5 below.
 - ⑤ 200 Ampere Feeder: 3-2/0-THHN-Cu, 1-#2-Cu-GND, 2 1/2" Conduit.
 - ⑥ House Panel (PNL), U.L. Listed, sized per schedule.
 - ⑦ Equipment Disconnect Switch: non-fused, in weather proof enclosure, size according to Panel Schedule loads.
 - ⑧ Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.

ELECTRICAL PLAN NOTES

WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.

CONSULT THE OWNER FOR THE NUMBER OF SEPARATE TELEPHONE LINES TO BE INSTALLED.

INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.

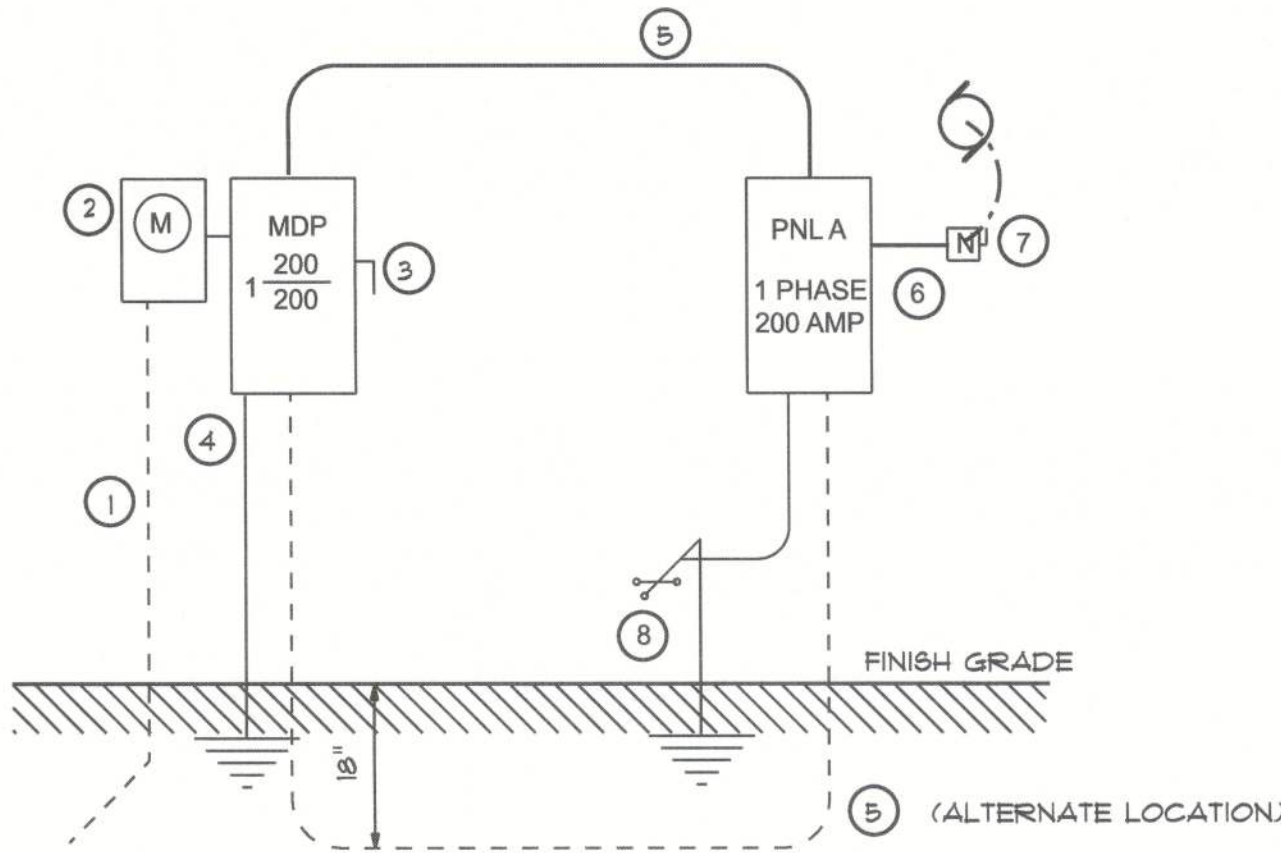
ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.

TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nr., DESCRIPTION & BRKR, SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.

CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

ELECTRICAL LEGEND	
ELECTRICAL	SYMBOL
ceiling fan globe 1	
8' strip lights fluorescent	
pot light	
spotlight double with motion detector	
HVAC motor	
electrical panel	
main distribution panel	
motor	
non fused disconnect	
ELEC METER	
GFI receptacle	
co detector	
fan 50 CFM	
light	
outlet	
outlet 220v	
outlet floor	
outlet gfi	
pull chain light	
smoke detector	
switch	
switch 3 way	
switch 4 way	
weatherproof gfi	
wall sconce	



REYNA AND POOLE HOUSE

ELECTRICAL PLAN

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COA-135259

DATE
6/24/22

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REVISIONS

SHEET
A-9

OF
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PROJECT NO.
21.R048