

Residential Power Distribution Description

Jobsite Address: _____
 Street Address & City/Township _____

POWER DISTRIBUTION DESCRIPTION

Project Scope: New Dwelling Addition Renovation Accessory Structure Other _____

Power Distribution Includes

Lighting Receptacle Outlets Smoke & CO Alarms Stove Dryer Hot Water Tank
 Air Conditioning Heat Pump Baseboard Heat Subpanel Other _____

Distribution Wire Type Includes:

NM (Romex) [Not permitted in damp or wet locations] THHN/THWN UF Other _____

Subpanel:

Subpanel _____ Amp Wire Size _____ Copper Aluminum Location _____

OVERCURRENT PROTECTION (120V Circuits)

15 Amp Circuit Breakers _____ [Wire Size]
 20 Amp Circuit Breakers _____ [Wire Size]
 _____ Amp Circuit Breakers _____ [Wire Size]
 Other _____
 Copper Aluminum

OVERCURRENT PROTECTION (240V Circuits)

30 Amp Circuit Breakers _____ [Wire Size]
 40 Amp Circuit Breakers _____ [Wire Size]
 50 Amp Circuit Breakers _____ [Wire Size]
 Other _____
 Copper Aluminum

GROUND FAULT CIRCUIT INTERRUPTER PROTECTION (GFCI)

NEC 210.8(A) Dwelling Units. All 125-volt, single phase, 15 and 20 ampere receptacles installed in the locations specified in 210.8(A)(1) through (10) shall have ground fault circuit interrupter protection for personnel.

GFCI Protection will be provided pursuant to NEC 210.8(A) as amended by RCO 3401.1(1) through (3):
 Yes N/A

ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION (AFCI)

NEC 210.12(A) Dwelling Units. All 125-volt, single phase, 15- and 20-ampere branch circuits supply outlets or devices installed in dwelling unit kitchens, family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, laundry areas, or similar rooms or area shall be protected by an of the means described in 210.12(A)(1) through (6).

AFCI Protection will be provided pursuant to NEC 210.12(A) as amended by RCO 3401.1(4):
 Yes N/A

DWELLING UNIT RECEPTACLES

NEC 210.52 Dwelling Units. This section provides requirements for 125-volt, 15- and 20-ampere receptacle outlets. The receptacles required by this section shall be in addition to any receptacle that is:

- (1) Part of a luminaire or appliance, or
- (2) Controlled by a wall switch in according with 210.7(A)(1), Exception No. 1, or
- (3) Located within cabinets or cupboards, or
- (4) Located more than 1.7 m (5-1/2-ft) above the floor

Receptacle outlets shall be installed in **ALL** locations designated in NEC 210.52(A), (B), (C), (D), (E), (F), (G), (H), & (I):
 Yes N/A

Residential Power Distribution Description (continued)

RECEPTACLES IN DAMP OR WET LOCATIONS

NEC 406.9 (A) Damp Locations: A receptacle installed outdoors in a location protected from the weather or in other damp locations shall have an enclosure for the receptacle that is weatherproof when the receptacle is covered (attachment plug cap not inserted and receptacle covers closed).

An installation suitable for wet locations shall also be considered suitable for damp locations.

A receptacle shall be considered to be in a location protected from the weather where located under roofed open porches, canopies, marquees, and the like, and will not be subjected to a beating rain or water runoff. All 15- and 20-ampere, 125- and 250-volt nonlocking receptacles shall be a listed weather-resistant type.

NEC 406.9 (B) Wet Locations: Receptacles of 15 and 20 Amperes, 125 and 250 volts installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted. An outlet box hood installed for this purpose shall be listed and shall be identified as "extra-duty." Other listed products, enclosures, or assemblies providing weatherproof protection that do not utilize an outlet box hood need not be marked "extra duty."

All 15- and 20-ampere, 125- and 250-volt nonlocking-type receptacles shall be listed and so identified as the weather resistant type.

Receptacle outlets will be provided pursuant to NEC 406.9 (A) and/or (B):

Yes N/A

LIGHTING OUTLETS

NEC 210.70(A) Dwelling Units. In dwelling units, lighting outlets shall be installed in accordance with 210.70(A)(1), (A)(2), and (A)(3).

Lighting outlets will be provided pursuant to NEC 210.70(A):

Yes N/A

STAIRWAY ILLUMINATION

RCO 303.7 Interior Stairway Illumination. Interior stairways shall be provided with an artificial light source to illuminate the landings and treads. The light source shall be capable of illuminating treads and landings to levels of not less than 1 foot-candle (11 lux) as measured at the center of treads and landings. There shall be a wall switch at each floor level to control the light source where the stairway has six or more risers.

RCO 303.8 Exterior Stairway Illumination. Exterior stairways shall be provided with an artificial light source located at the top landing of the stairway. Exterior stairways providing access to a basement from the outdoor grade level shall be provided with an artificial light source located at the bottom landing of the stairway.

Stairway illumination will be provided pursuant to RCO 303.7 and 303.8:

Yes N/A

TAMPER RESISTANT RECEPTACLES

NEC 406.12(1) Tamper-Resistant Receptacles. In dwelling units in all areas specified in 210.52 and 550.13, all 15- and 20- ampere, 125- and 250-volt nonlocking-type receptacles shall be listed tamper resistant receptacles.

Tamper resistant receptacles will be provided pursuant to NEC 406.12(1):

Yes N/A

SMOKE ALARMS

RCO 314.2 Where required. Smoke alarm will be provided in accordance with this section.

Yes N/A

RCO 314.4 Interconnection. Smoke alarm will be interconnected in accordance with this section.

Yes N/A

RCO 314.6 Power Source. Smoke alarms will be powered by the building wiring in accordance with this section.

Yes N/A

CARBON MONOXIDE ALARMS

RCO 315.2 When Required. Carbon monoxide alarms will be provided in accordance with this section.

Yes N/A

Printed Name _____

Date _____