



# CITY OF RANCHO PALOS VERDES

## BUILDING & SAFETY DIVISION

## Kitchen Requirements

Applicable Codes are the 2025 editions of the California Residential Code (CRC), California Electrical Code (CEC), California Plumbing Code (CPC), California Mechanical Code (CMC), California Energy Code (CNC), and the California Green Building Standards Code (GRN).

### Permits:

- A permit is required for kitchen, bathroom, and laundry remodels and alterations. The permit must be obtained prior to commencing work including demo.  
(Examples but not limited to replacement of cabinetry, countertops, or fixtures within these areas trigger the permitting requirements.)
- Non-structural remodels can be processed over the counter with the following documents: Permit application, and Floor Plans of the Existing and Proposed work area.
- Structural Remodels will be required to be submitted through our online plan check portal.

### Inspections Needed:

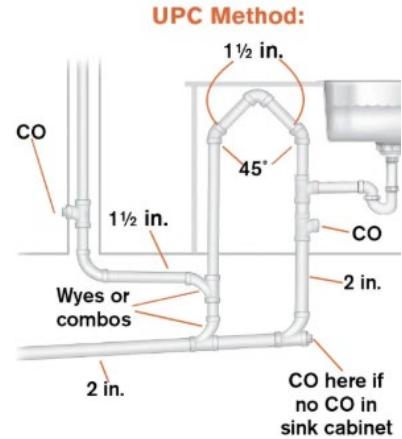
\* = Bathrooms only

- **Mechanical, Electrical, Plumbing Roughs:** While walls are still open & Any MEP work has been completed
  - **Framing /Insulation:** When applicable
  - **Drywall/ Interior Lath\*/ Shower Pan\*:** Drywall Nailing/ Screw pattern & Spacing, Backing & Waterproofing for Tile, Shower Pan is waterproofed
  - **Final:** Smoke and carbon monoxide alarms, torque new breakers, and ground fault circuit interrupter (GFCI) test, All Fixtures installed.

## KITCHENS

### Kitchen Plumbing:

- Dishwashers shall connect to an approved drainage air gap device located above the flood level rim of the sink [CPC 807.3].
- Dishwashers shall drain through wye fitting or disposer head. (CPC 414.3)
- Island sinks are limited to special high loop vents. Island sink vented w/ drain-type fittings only (CPC 909.1) (See image to right)
- Newly installed kitchen faucets shall not exceed 2.2 gallons per minute (CPC 420.2). All Existing plumbing fixtures not included in the scope of new work shall be replaced if necessary to comply with SB407 Plumbing Fixtures Replacement requirements
- All domestic hot water lines shall be insulated (CPC 609.12.1)



### Kitchen Mechanical:

- A kitchen exhaust hood is required. The vent must terminate on the building exterior at least 3 ft. from other openings into the building [CMC502.2.1]. Flexible (corrugated) ducting is not allowed for exhaust hoods [CMC 504.3].
- Required kitchen mechanical exhaust rates 300 cfm continuous or 50 cfm intermittent (CMC 405.4.1)
- Provide installation instructions for all listed equipment to field inspector at time of inspection [CMC303.0]

### Electrical - Lighting:

- All installed lighting shall be high efficacy. Recessed lighting shall not contain screw-based bulbs.

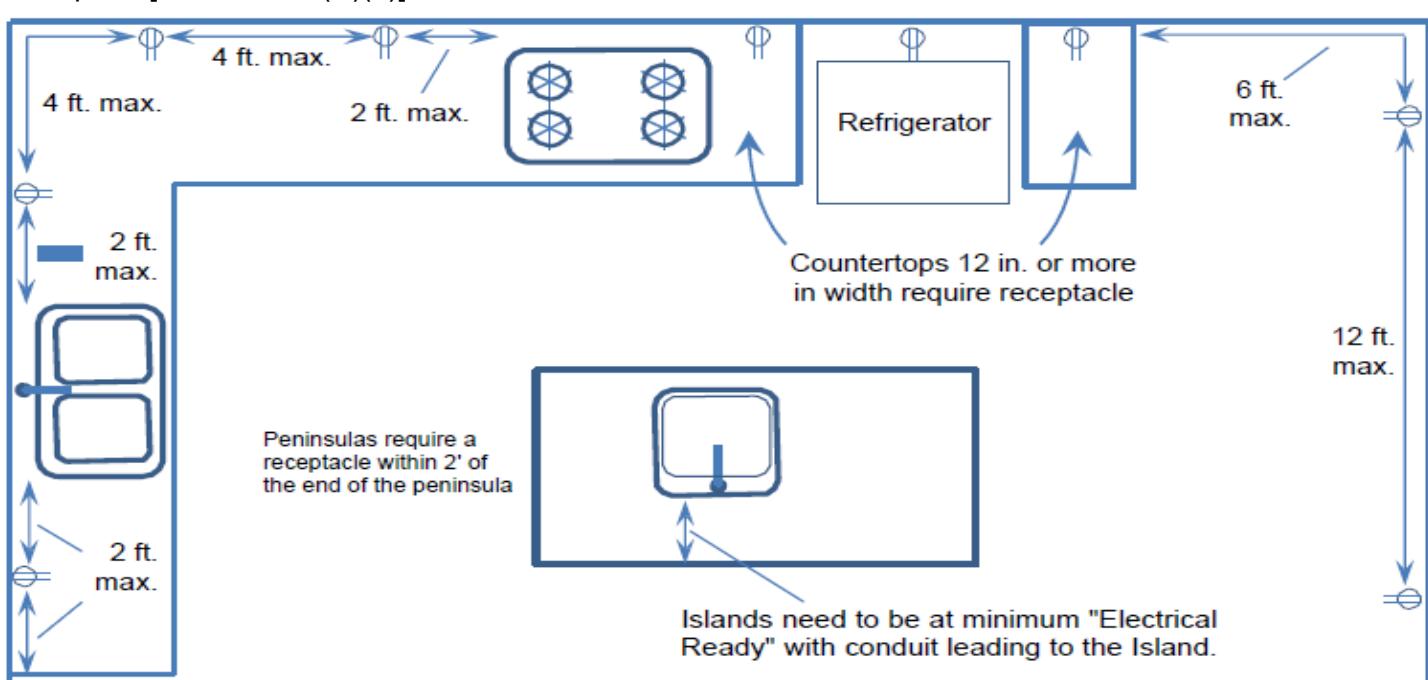
[CEnergyC 150.0(k)1A]

### Electrical – Branch Circuits:

- A minimum of two 20-amp small appliance branch circuits are required to serve countertop and wall receptacles in the kitchen, pantry and dining room [CEC 210.11(c)(1)]. No built-in appliances are allowed on these circuits (except an electric clock or the ignition of a gas range).
- Individual (dedicated) circuits are required for garbage disposals, microwaves, compactors, and dishwashers. [CEC210.19(A)(1)(b)]
- AFCI (arc-fault circuit-interrupter) protection is required for all 120V 15-& 20-amp kitchen circuits. [CEC210.12]

### Electrical – Receptacles:

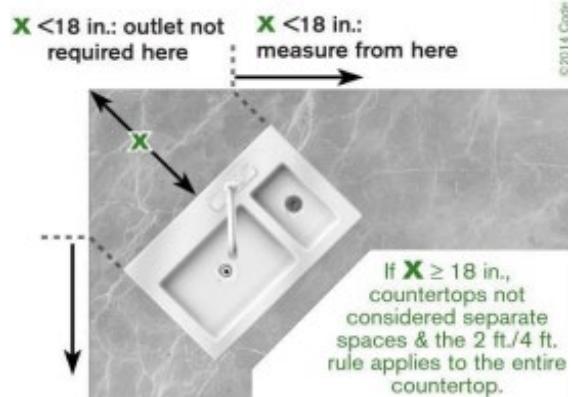
- Receptacles shall be installed at each countertop space  $\geq$  12 in. in width [CEC 210.52(C)]. Receptacles shall be installed so that no point along the wall line is more than 24 inches horizontally from an outlet in that space [CEC 210.52(C)(1)].



- All receptacles serving kitchen countertop surfaces shall have GFCI protection [210.8A6].
- All receptacles which are GFCI protected, but are not GFCI receptacles must have a label reading: "GFCI PROTECTED OUTLET"
- Countertop receptacles shall not be installed in a face up position [CEC 406.5(G)(1)]. Listed "pop-up" receptacles are allowed [CEC 210.52(C)(5)]. Receptacles or strip outlets can be installed on the underside of the cabinet above the countertop if within 20 inches of the countertop.
- Dishwashers require GFCI protection, including 240-volt dishwashers. (new in 2019 codes)
- All GFCI device controls must be in readily accessible locations. [CEC 210.8] The outlets for built in dishwashers shall be located adjacent to the space occupied by the dishwasher. [CEC422.16(B)(2)(5)]
- All general purpose and countertop receptacles must be tamper-resistant. [CEC 406.12]

- Corner sinks separate the space on each side when the distance between the corner and the sink is < 18 inches. If  $\geq$  18 in., the 2 ft. / 4 ft. rule continues behind the sink [CEC 210.52(C)(1)].
- The 24-inch/48-inch rule does not apply to island or peninsular countertops. These may be at minimum "Electrical Ready" with a conduit that connects a junction from the wall cavity to a junction box in the Island/Peninsula [CEC 210.52(C)].
- On islands and peninsulas only, if outlets are to be installed, then they must be installed as a "pop-up" style receptacle [CEC 210.52(C)(3)]
- A range hood / microwave combination can be cord-and-plug connected if the circuit is an individual (dedicated) branch circuit. The receptacle outlet shall be a single type, not a duplex receptacle that would accept two plugs [CEC 422.16(B)(4)].

#### Corner Range or Sink



## EXAMPLE KITCHEN FLOOR PLAN:

