

# KITCHEN REMODEL

## PERMIT REQUIREMENTS

Community Development • Planning & Building  
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### KITCHEN REMODEL PERMIT REQUIREMENTS

	FULL KITCHEN PERMIT REQUIRED?  NO	FULL KITCHEN REMODEL PERMIT REQUIRED?  YES	OTHER PERMIT(S) REQUIRED?
Kitchen was built/remodeled AFTER May 4, 1989	X		
Replacing appliances in existing location	X		
Replacing sink and/or valves in existing location	X		
Revising cabinet layout: additional cabinets/island/peninsula		✓	
Demolition or opening in interior or exterior walls		✓	
Revising kitchen size		✓	
Sink in new location			✓ PLUMBING ✓ ELECTRICAL
Appliances in new location (if new location requires plumbing plumbing or electrical change)		✓	
Replacing or relocating plumbing/piping (no other changes)			✓ PLUMBING ✓ ELECTRICAL
Replacing Countertops			✓ ELECTRICAL
Replacing Cabinets			✓ ELECTRICAL

**Note:** Kitchen hood installation/replacement only: Mechanical Permit required

## ELECTRICAL REQUIREMENTS FOR KITCHENS

2016 California Electrical Code (CEC) Articles 210.8(A,D), 210.11(C)(1), 210.12(A) 210.52(B)&(C),

**This information is provided for BASIC electrical requirements for kitchens.**

**For further information consult the 2016 CEC.**

When any kitchen addition or remodeling involves the alteration, repair, move, demolition, or replacement of the countertop, cabinets, electrical, gas, mechanical or plumbing system (excluding the replacement of kitchen appliances and fixtures), the new and/or existing electrical system shall be brought to full compliance with the current electrical code pertaining to kitchen electrical requirements.

### **Luminaire Requirements from the 2016 California Energy Code section 150(K).**

1. **Luminaire Efficacy.** All installed luminaires shall be high-efficacy in accordance with Table 150.0-A.

### **Ground-Fault Circuit-Interrupter protection for personnel. CEC 210.8 (A,D)**

- 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.
  - (6) **Kitchens-** where the receptacles are installed to serve the countertop surfaces.
  - (7) **Sinks-** where receptacles are installed within 6 feet of the outside edge of the sink.
- D. **Kitchen Dishwasher Branch Circuit.** GFCI protection shall be provided for outlets that supply dishwashers installed in dwelling unit locations.

### **Branch Circuits Required. CEC 210.11(C)(1)**

1. **Small-Appliance Branch Circuits.** In addition to the number of branch circuits required by other parts of this section, two or more 20-ampere small-appliance branch circuits shall be provided for all receptacle outlets specified by 210.52(B)

**Arc-Fault Circuit-Interrupter Protection. CEC 210.12:** Arc-Fault circuit –interrupter protection shall be provided as required in 210.12(A)(B), and (C). The arc-fault circuit interrupter shall be installed in a readily accessible location.

- A. **Dwelling Units.** All 120-volt, single-phase, 15- and 20-ampere branch circuits supplying 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 areas shall be protected by any of the means described in 210.12(A)(1) through (6)

### **Small Appliances (CEC) 210.52(B)(1,2&3)**

1. **Receptacle Outlets Served.** In the kitchen, pantry, breakfast room, dining room or similar area of a dwelling unit, the two or more 20-ampere small-appliance branch circuits shall serve all wall and floor receptacle outlets all countertop outlets, and receptacle outlets for refrigeration equipment.
2. The two or more small-appliance branch circuits specified above shall have no other outlets.

*Exception No 1: A receptacle installed solely for the electrical supply to and support of an electric clock in any of the rooms specified above.*

Exception No 2: *Receptacles installed to provide power for supplemental equipment and lighting on gas-fired ranges, ovens, or counter-mounted cooking units.*

3. Additional small-appliance branch circuits shall be permitted to supply receptacle outlets in the kitchen and other rooms (pantry, breakfast room, or similar area of a dwelling unit). No small-appliance branch circuit shall serve more than one kitchen.

### Countertops (CEC) 210.52(C)

In kitchens, pantries, breakfast rooms, dining rooms, and similar areas of dwelling units, receptacle outlets for countertop spaces shall be installed in accordance with 210.52(C)(1) through (C)(5).

1. **Wall Counter Spaces.** A receptacle outlet shall be installed at each wall countertop space that is 12 inches or wider. Receptacle outlets shall be installed so that no point along the wall line is more than 24 inches measured horizontally from a receptacle outlet in that space.
2. **Island Counter Spaces.** At least one receptacle shall be installed at each island countertop space with a long dimension of 24 inches or greater and a short dimension of 12 inches or greater
3. **Peninsula Counter Spaces.** At least one receptacle outlet shall be installed at each peninsular countertop space with a long dimension of 24 inches or greater and a short dimension of 12 inches or greater. A peninsular countertop is measured from the connecting edge.
4. **Separate Space.** Countertop spaces separated by range tops, refrigerators, or sinks shall be considered as separate countertop spaces in applying the requirements of 210.52(C)(1). If a range, counter-mounted cooking unit, or sink is installed in an island or peninsular countertop and the depth of the countertop behind the range, counter-mounted cooking unit, or sink is less than 12 inches, the range, counter-mounted cooking unit, or sink shall be considered to divide the countertop space into two separate countertop spaces. Each separate countertop space shall comply with the applicable requirements in 210.52(C).
5. **Receptacle Outlet Location.** Receptacle outlets shall be located on or above, but not more than 20 inches above, the countertop. Receptacle outlet assemblies listed for the application shall be installed in countertops. Receptacle outlets rendered not readily accessible by appliances fastened in place, appliance garages, sinks or range tops as covered in 210.52(C)(1), Exception, or appliances occupying dedicated space shall not be considered as these required outlets.

Informational Note: See CEC 406.5(E) for requirements for installation of receptacles in countertops

Exception to (5): *To comply with the conditions specified in (1) or (2), receptacle outlets shall be permitted to be mounted not more than 12 inches below the countertop. Receptacles mounted below a countertop in accordance with this exception shall not be located where the countertop extends more than 6 inches beyond its support base.*

- 1 *Construction for the physically impaired.*
- 2 *On island and peninsular countertops where the countertop is flat across its entire surface (no backsplashes dividers, etc.) and there are no means to mount a receptacle within 20 inches above the countertop, such as an overhead cabinet.*

\*All outlet receptacles installed in kitchen serving the countertop surfaces shall have ground-fault circuit-interrupter protection for personnel. CEC 210.8 (6)

\*\*Receptacles shall be tamper-resistant per CEC 406.12(A)

## KITCHEN COUNTERTOP RECEPTACLES

An acceptable wiring method and placement of receptacles and GFCI protected receptacles on kitchen small appliance circuits.

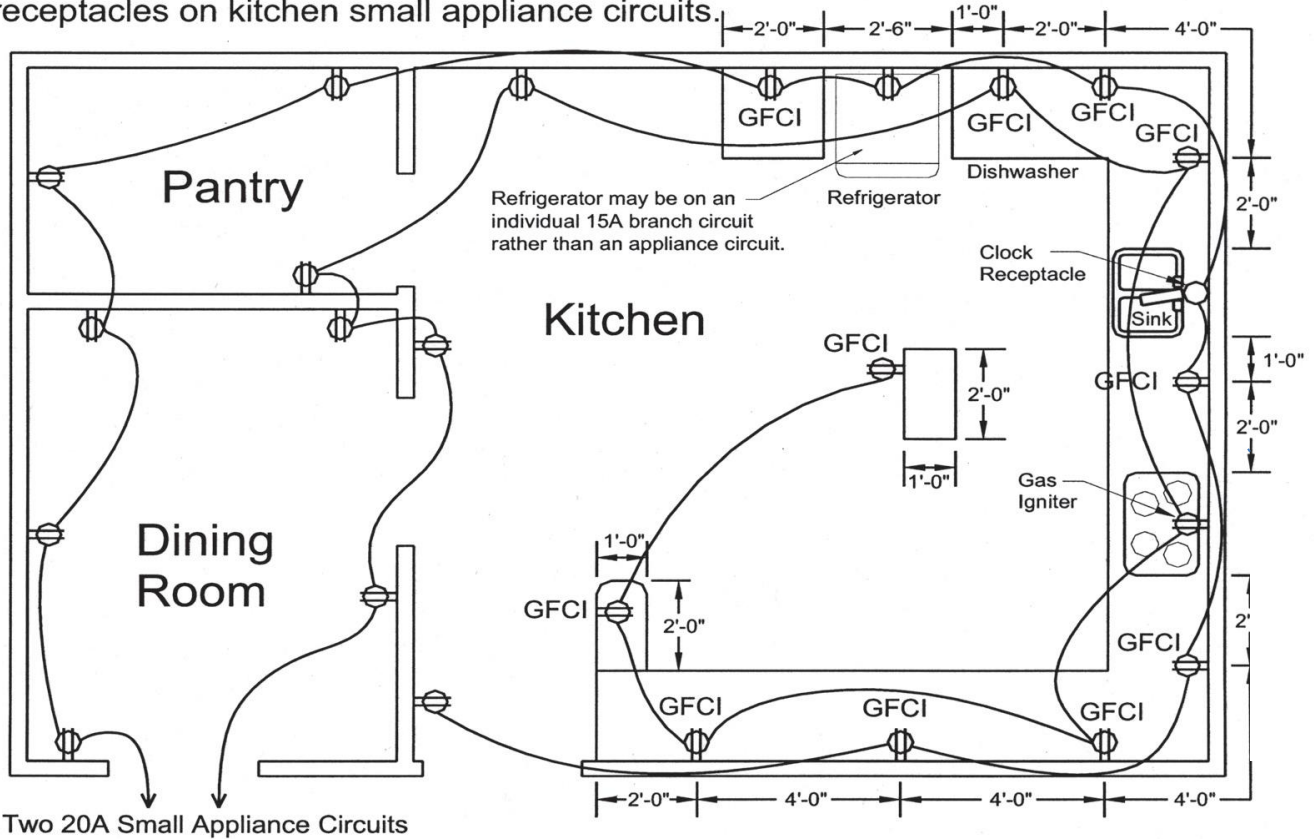


TABLE 150.0-A  
CLASSIFICATION OF HIGH-EFFICACY LIGHT SOURCES

HIGH-EFFICACY LIGHT SOURCES	
Luminaires installed with only the lighting technologies in this table shall be classified as high efficacy	
Light sources in this column, other than those installed in ceiling recessed downlight luminaires, are classified as high efficacy and are <b>not</b> required to comply with Reference Joint Appendix JA8	Light sources in this column shall be certified to the Commission as High Efficacy Light Sources in accordance with Reference Joint Appendix JA8 and be marked as meeting JA8.
<ol style="list-style-type: none"> <li>Pin-based linear or compact fluorescent light sources using electronic ballasts.</li> <li>Pulse-start metal halide.</li> <li>High pressure sodium.</li> <li>GU-24 sockets containing light sources other than LEDs.<sup>a, b</sup></li> <li>Luminaires with hardwired high frequency generator and induction lamp.</li> <li>Inseparable SSL luminaires that are installed outdoors.</li> <li>Inseparable SSL luminaires containing colored light sources that are installed to provide decorative lighting.</li> </ol>	<ol style="list-style-type: none"> <li>All light sources in ceiling recessed downlight luminaires. Note that ceiling recessed downlight luminaires shall not have screw bases regardless of lamp type as described in Section 150.0(k)1C.</li> <li>GU-24 sockets containing LED light sources.</li> <li>Any light source not otherwise listed in this table and certified to the Commission as complying with Joint Appendix 8.</li> </ol>

Notes:

- GU-24 sockets containing light sources such as compact fluorescent lamps and induction lamps.
- California Title 20 Section 1605(k)3 does not allow incandescent sources to have a GU-24 base.