



City of San Dimas

Building and Safety Division

Kitchen Remodel Requirements

PROJECT INFORMATION			
Project Address:		Permit Number:	
Work Description:			

- 1) The Governing Codes For the project are:
 - a. **2022 California Residential Code**
 - b. **2022 California Mechanical Code**
 - c. **2022 California Electrical Code**
 - d. **2022 California Plumbing Code**
 - e. **2022 California Energy Code**
 - f. **2022 California Green Code**
 - g. **City of San Dimas Municipal Code**
- 2) Provide a floor plan showing the existing conditions and a floor plan that shows the proposed modifications.
- 3) Section 150.2(b) of the California Energy Code requires alterations to comply with sections 110.0 through 110.9, 150.0(a) through (l), 150.0(m)1 through 150.0(m)10, and 150.0(p) through (q) for prescriptive requirements.
 - a. Lighting installed in Kitchen areas is required to comply with the California Energy code section 150.0(k). All installed luminaires shall be high-efficacy in accordance with Table 150.0-A (see below)
 - b. Recessed downlight luminaires must be listed for zero clearance insulation contact (IC) by Underwriters Laboratories or other nationally recognized testing/rating laboratory; and
 - c. Have a label that certifies the luminaire is airtight with air leakage less than 2.0 CFM at 75 Pascals when tested in accordance with ASTM E283.
 - d. Be sealed with a gasket or caulk between the luminaire housing and ceiling, and shall have all air leak paths between conditioned and unconditioned spaces sealed with a gasket or caulk; and
 - e. For luminaires with hardwired ballasts or drivers, allow ballast or driver maintenance and replacement to be readily accessible to building occupants from below the ceiling without requiring the cutting of holes in the ceiling; and
 - f. Shall not contain screw base sockets
 - i. Provide the manufactures data sheet for the light fixtures proposed to show compliance with the California Energy Code requirements listed above.

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Table 150.0-A Classification of High-Efficacy Light Sources	
Light sources shall comply with on of the columns below	
Light sources in this column, other than those installed in ceiling recessed downlight luminaires, are classified as high efficacy and are not required to comply with Reference Joint Appendix JA8.	Light sources in this column are only considered to be high efficacy if they are certified to the Commission as High Efficacy Light Sources in accordance with Referenced Joint Appendix JA8 and marked as required by JA8
1. LED light sources installed outdoors.	1. All light sources installed 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.
1. Inseparable solid state lighting (SSL) luminaires containing colored light sources that are installed to provide decorative lighting.	2. Any light source not otherwise listed in this table.
2. Pin-based linear fluorescent or compact fluorescent light sources using electronic ballasts.	
3. High intensity discharge (HID) light sources including pulse start metal halide and high pressure sodium light sources.	
4. Luminaires with hardwired high frequency generator and induction lamp.	
5. Ceiling fan light kits subject to federal appliance regulations.	

4) The California Electrical Code requires;

- a.** Tamper-Resistant Receptacles are required. (406.12)
- b.** A minimum of two 20A small appliance branch circuits (210.11C1)
 - i.** No other outlets (including lighting) is allowed on the small-appliance circuits.
- c.** The dishwasher and garbage disposal are required to be on a separate circuit if the combined rating exceeds the branch circuit rating. (210.19)
- d.** A receptacle is required for all wall counter spaces that are greater or equal to 12-inches. (210.52C)
- e.** Spacing of receptacles shall be such that no point along the wall line will be greater than 24-inches horizontally from a receptacle. (210.52C1)
- f.** Island and Peninsulas require receptacles. (210.52C2)
 - i.** At least one receptacle shall be provided for the first (9) square feet, or fraction thereof, of the countertop or work surface. A receptacle outlet shall be provided for every additional (18) square feet of the countertop or work surface.
 - ii.** At least one receptacle outlet shall be located within (2) feet of the outer end of a peninsular countertop or work surface.

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- g. Receptacles are to be installed within 12-inches, as measured from the top of the counter top or work surface to the bottom of the electrical box and the overhanging countertop cannot exceed 6-inches overhanging of the support base to the face of the receptacle. (210.52C3.3)
 - h. Ground Fault Circuit Interrupter (GFCI) protection is required at:
 - i. all countertop receptacles. (210.8A6)
 - ii. Outlets supplying dishwashers. (210.8D)
 - iii. Any receptacle within 6-feet of a sink (this will include the garbage disposal receptacle) (210.8A)
 - iv. The receptacle supplying a range or cooktop if within 6-feet of a sink.
 - i. Arc-Fault Circuit Interrupter (AFCI) protection is required at:
 - i. All 120V 15A & 20A branch circuits supplying outlets or devices in Kitchens. (210.12A)
 - ii. New lighting and receptacle devices on existing circuits, where the branch circuit is extended more than 6-feet, are required to be AFCI protected. (210.12D)
 - iii. Replacement receptacles are required to be AFCI protected. (406.4D4)
- 5) The California Plumbing Code requires the dishwasher to drain through an air gap. (807.3)
- 6) The California Mechanical Code requires the range hood duct to be metal and have a smooth interior surface. (504.3)
- 7) The California Residential Code requires Smoke and Carbon Monoxide alarms; (Section 314 & 315)
- a. Smoke alarms shall be installed in the following locations:
 - i. In each sleeping room.
 - ii. Outside each separate sleeping area in the immediate vicinity of the bedrooms.
 - iii. On each additional story of the dwelling, including basements and habitable attics.
 - b. Carbon Monoxide alarms shall be installed in the following locations:
 - i. Outside of each separate sleeping area in the immediate vicinity of the bedroom.
 - ii. On every occupiable level of a dwelling unit, including basements.
 - iii. Where a fuel-burning appliance is located within a bedroom or its attached bathroom, a carbon monoxide alarm shall be installed within the bedroom.
- 8) **The above list is not an all-inclusive list of requirements. It is the responsibility of the Permittee (owner, contractor or person performing the work) to be familiar with all the Building Code requirements, state laws and local ordinances.**