



SMOKE DETECTORS AND CARBON MONOXIDE DETECTORS.

For permits issued for interior and exterior alterations, repairs or additions the entire dwelling shall be provided with Smoke and Carbon Monoxide alarms.

Information on this handout is a summary of what is required. Please refer to 2019 California Residential Code (CRC) Sections R314 and R315 for full code compliance.

SMOKE ALARMS

- Interconnected hard-wired Smoke Alarm with battery backup, or sealed 10-year battery Smoke Alarms shall be installed in the following locations: [R314]
 - a. In each sleeping room.
 - b. Outside of each separate sleeping area in the immediate vicinity of the bedrooms
 - c. On each additional story of the dwelling, including basements and habitable attics, but not including crawl spaces and uninhabitable attics.
 - d. Smoke alarms shall be installed not less than 3 feet horizontally from the bathroom opening that has a bathtub or shower unless this would prevent placement required by code. Shall also be installed at least 3 feet from any HVAC supply/vents, or the tip of a ceiling fan.
- Combination smoke and carbon monoxide alarms shall be permitted to be used in lieu of smoke alarms.
[CRC R314.5]

CARBON MONOXIDE ALARMS

- For buildings with fuel-burning appliances and/or attached garages, provide an approved **CARBON MONOXIDE ALARM** at: [R315.1]
- Interconnected hard-wired Carbon Monoxide Alarm with battery backup, or sealed 10-year battery Carbon Monoxide Alarms shall be installed in the following locations: [R315]
 - a. Outside of each separate sleeping area in the immediate vicinity of the bedrooms
 - b. On every level of a dwelling unit including basements
 - c. When a fuel burning appliance is in a bedroom or attached bathroom, a carbon monoxide alarm is required in the bedroom.
 - d. Provide a note: "CARBON MONOXIDE ALARM shall be interconnected hard-wired with battery backup."
 - e. Battery carbon monoxide alarm is permitted in existing dwelling units where no construction is taking place.
- Combination carbon monoxide and smoke alarms shall be permitted to be used in lieu of carbon monoxide alarms.
[CRC R315.4]