



## **SMOKE DETECTORS AND CARBON MOXIDE 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]