



# SMOKE & CARBON MONOXIDE ALARM CERTIFICATION

INFORMATION  
GUIDELINE

2023

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City of Pleasant Hill • Building Division • 100 Gregory Lane • Pleasant Hill, CA 94523  
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The State of California requires that smoke alarms and carbon monoxide alarms must be installed in all residential buildings. The 2022 California Residential Code (CRC) Section R314 and CRC R315 state in part that existing dwellings be retrofitted with smoke alarms and carbon monoxide alarms “when a building permit is issued for alterations, repairs or additions to a dwelling.”

## Alarms must be installed and maintained in the following specified locations:

**Carbon Monoxide Alarms:** On the ceiling or wall outside of each separate sleeping area in the immediate vicinity of bedrooms and on each story of the dwelling.

**Smoke Alarms:** Installed in each room used for sleeping purposes, outside each sleeping area in the immediate vicinity of bedrooms, and on each story of the dwelling unit.

Retrofitted alarms may be battery operated for buildings where no alterations are performed on the interior or interior alterations do not result in the removal of wall or ceiling finishes. All alarms shall comply with all applicable standards and must be approved by the California State Fire Marshal. All alarm devices must be installed and maintained in accordance with the CA Residential Code and the manufacturer's instructions.

**NOTE:** This self-certification option is only available for alterations, repairs, or additions to the exterior of the structure where access to the interior of the dwelling by the City of Pleasant Hill Building Inspector is not achieved during the course of construction.

Project Address: \_\_\_\_\_

Permit Number: \_\_\_\_\_

**Property Owner (PRINT NAME):** \_\_\_\_\_

**Owner Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Licensed Contractor: \_\_\_\_\_ License No.: \_\_\_\_\_

I, the undersigned, hereby certify that I have verified that the smoke alarms and carbon monoxide alarms are installed and tested to be functional in all the above specified locations.

Contractor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

On the back of this certification form are the general requirements for the installation of smoke alarms and carbon monoxide alarms for residential buildings based on the 2022 California Building Code, 2022 California Residential Code, and the 2022 California Fire Code.

***The following information is intended to provide general information, contact the Building Safety Division for any questions or additional information.***

### **New Construction and Additions**

In new construction and additions, required smoke alarms and carbon monoxide alarms shall receive their primary power from the permanent building electrical power system (and shall be on the lighting circuit connected within the same room as the smoke alarm). Where two or more smoke alarms or carbon monoxide alarms are required, they shall be interconnected in such a manner that actuation of one shall cause actuation of all detectors in the dwelling unit. (CBC 907.2.11, CRC R314, CRC R315)

All new electrical outlets (including smoke alarms, carbon monoxide alarms, receptacles, switches, lighting, etc.) shall be on circuits protected with a combination arc-fault circuit interrupter. (2022 CEC 210.12)

### **Remodeled Dwelling Units**

When a permit is required for any repair, alterations, or addition smoke alarms and carbon monoxide alarms shall be installed in accordance with the following location and maintenance provisions. Smoke alarms are permitted to be solely battery operated in existing areas of buildings undergoing alterations or repairs that do not result in the removal of interior walls or ceiling finishes exposing the structure, unless there is an attic, crawl space or basement available which could provide access for building wiring without the removal of interior finishes. (CBC 907.2.11, CRC 314, CRC 315)

### **Rooms/Spaces that Require Smoke Alarms and Carbon Monoxide Alarms**

| <b>Room/Space</b>                                                                                                                                                                  | <b>Smoke Alarm Required?<br/>(CBC 907.2 and CRC 314)</b> | <b>Carbon Monoxide Alarm<br/>Required?<br/>(CBC 907.2 and CRC 315)</b> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------|
| Outside of each separate sleeping area in the immediate vicinity of bedrooms (i.e. hallway)                                                                                        | Yes                                                      | Yes                                                                    |
| In each sleeping room                                                                                                                                                              | Yes                                                      | No                                                                     |
| In each story within a dwelling unit, including basements.                                                                                                                         | Yes                                                      | Yes                                                                    |
| In enclosed common stairwells of apartment complexes and other multiple- dwelling complexes                                                                                        | Yes                                                      | No                                                                     |
| In a group R-3.1 (i.e. adult residential facilities), in addition to the above, smoke alarms shall be provided throughout the habitable areas of the dwelling unit except kitchens | Yes                                                      | No                                                                     |

### **Smoke Alarm and Carbon Monoxide Alarm Device Location**

Smoke alarms shall be installed on the ceiling or wall between 4" and 12" of the ceiling. Carbon monoxide alarms shall be installed on the ceiling or wall above the door header.

### **Maintenance**

The owner shall be responsible for testing and maintaining detectors in hotels, motels, lodging houses, and common stairwells of apartment complexes and other multiple dwelling complexes. The smoke alarm shall be operable at the time that the tenant takes possession. The apartment complex tenant shall be responsible for notifying the manager or owner if the tenant becomes aware of an inoperable smoke alarm within his or her unit. The owner or authorized agent shall correct any reported deficiencies in the smoke alarm and shall not be in violation of this section for a deficient smoke alarm when he or she has not received notice of the deficiency. (CFC 907.9 and California Health and Safety Code 13113.7)

### **Smoke Alarm Batteries and Replacement**

All newly installed smoke alarms shall have a 10-year battery. Smoke alarms shall be replaced 10 years from the date of manufacture marked on the unit. (CBC 907.2.11.2, CRC 314, CRC 315)