



**SELF-CERTIFICATION FOR
SMOKE DETECTORS & CARBON MONOXIDE ALARMS**

2022 California Residential Code as adopted by Palo Alto Municipal Code 16.06

For compliance with the California Building and Residential Codes where no interior access is provided, and no interior work is performed. Smoke and carbon monoxide alarms are required when any work exceeding \$1,000 is performed that requires a permit.

Carbon monoxide (CO) alarms are required:

- Outside of each separate sleeping area, in the immediate vicinity.
- On every occupiable level of a dwelling unit.
- In each bedroom where a fuel-burning appliance is located.
- To be installed per manufacturer’s instructions.

Smoke alarms are required:

- In each sleeping room.
- Outside sleeping area, in the immediate vicinity.
- On each level.
- To be installed per manufacturer’s instructions.

Multiple alarms must be interconnected in a manner that activation of one alarm activates all alarms unless this project does not result in inspection of interior work. These alarms are permitted to be solely battery operated.

Permit Number: _____

Property Address: _____

I hereby certify that smoke alarms and carbon monoxide alarms have been installed in compliance with current California codes and the manufacturer’s installation instructions, and all alarms have been tested.

Signature: _____ Print Name: _____ Date: _____

I am the:

____ Licensed Contractor

____ Property Owner

2022 California Residential Code Regulations**R314 Smoke Alarms**

R314.1 General Smoke alarms shall comply with NFPA 72 and Section R314.

PAMC 16.06.160 Section R314.1 Smoke detection and notification. Section R314.1 of the California Residential Code is amended to read:

R314.1 Smoke detection and notification. Listed single- and multiple-station smoke alarms complying with UL 217 shall be installed in accordance with the California Fire Code Sections 907.2.11.1 through 907.2.11.5 and manufacturer's installation and use instructions.

Smoke alarms and smoke detectors shall be in compliance with this code or subject to the provisions of the Health and Safety Code, they shall also be listed and approved for rapid response to smoldering synthetic materials. All smoke alarms or detectors shall be of the photoelectric type or shall have equivalent detection capabilities in compliance with UL 217.

Exception: A photoelectric smoke alarm or detector shall be installed if located within 20 feet to a kitchen, fireplace or woodburning stove or within 5 feet of a bathroom.

R314.1.1 Listings Smoke alarms shall be listed in accordance with UL 217. Combination smoke and carbon monoxide alarms shall be listed in accordance with UL 217 and UL 2034. Systems and components shall be California State Fire Marshal listed and approved in accordance with California Code of Regulations, Title 19, Division 1 for the purpose for which they are installed.

PAMC 16.06.170 Section R314.1.1 Smoke alarms or detector end of life replacement. Section R314.2 of the California Residential Code is added to read:

R314.1.1 Smoke alarms or detector end of life replacement. Smoke alarms or detectors shall be replaced every 10 years or according to the manufacture guidelines, whichever is more restrictive.

R314.2.2 Alterations, Repairs and Additions Where alterations, repairs or additions requiring a permit occur, the individual dwelling unit shall be equipped with smoke alarms located as required for new dwellings. Exceptions: See Section R314.6.

R314.3 Location Smoke alarms shall be installed in the following locations:

1. In each sleeping room.
2. Outside each separate sleeping area in the immediate vicinity of the bedrooms.
3. On each additional story of the dwelling, including basements and habitable attics and not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.
4. Not less than 3 feet (914 mm) horizontally from the door or opening of a bathroom that contains a bathtub or shower unless this would prevent placement of a smoke alarm required by this section.
5. In the hallway and in the room open to the hallway in dwelling units where the ceiling height of a room open to a hallway serving bedrooms exceeds that of the hallway by 24 inches (610 mm) or more.

See Section R314.3.3 for specific location requirements.

R314.8.2 For purposes of clarification, Health and Safety Code Section 13113.7 is repeated.

- a. Except as otherwise provided in this section, a smoke detector, approved and listed by the State Fire Marshal pursuant to Section 13114, shall be installed, in accordance with the manufacturer's instructions in each dwelling intended for human occupancy within the earliest applicable time period as follows:
 1. For all dwelling units intended for human occupancy, upon the owner's application on or after January 1, 1985, for a permit for alterations, repairs, or additions, exceeding one thousand dollars (\$1,000).
 2. For all other dwelling units intended for human occupancy on or after January 1, 1987. However, if any local rule, regulation, or ordinance, adopted prior to the compliance dates specified in paragraphs (1) and (2) requires installation in a dwelling unit intended for human occupancy of smoke detector, which receive their power from the electrical system of the building and requires compliance with the local rule, regulation, or ordinance at a date subsequent to the dates specified in this section, the compliance date specified in the rule, regulation, or ordinance shall, but only with respect to the dwelling units specified in this section, take precedence over the dates specified in this section. The State Fire Marshal may adopt regulations exempting dwellings intended for human occupancy with fire sprinkler systems from the provisions of this section, if he or she determines that a smoke detector is not reasonably necessary for fire safety in the occupancy. Unless prohibited by local rules, regulations, or ordinances, a battery-operated smoke detector which otherwise meets the standards adopted pursuant to Section 13114 for smoke detectors, satisfies the requirements of this section.
- b. "Dwelling units intended for human occupancy," as used in this section, includes a duplex, lodging house, apartment complex, hotel, motel, condominium, stock cooperative, time-share project, or dwelling unit of a multiple-unit dwelling complex. For the purpose of this part, "dwelling units intended for human occupancy" does not include manufactured homes as defined in Section 18007, mobile homes as defined in Section 18008, and commercial coaches as defined in Section 18001.8.
- c. The owner of each dwelling unit subject to this section shall supply and install smoke detectors required by this section in the locations and in the manner set forth in the manufacturer's instructions, as approved by the State Fire Marshal's regulations. In the case of

apartment complexes and other multiple-dwelling complexes, a smoke detector shall be installed in the common stairwells. All fire alarm warning systems supplemental to the smoke detector shall also be listed by the State Fire Marshal.

- d. A high-rise structure, as defined in subdivision (b) of Section 13210 and regulated by Chapter 3 (commencing with Section 13210), and which is used for purposes other than as dwelling units intended for human occupancy, is exempt from the requirements of this section.
- e. 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. An owner or the owner's agent may enter any dwelling unit, efficiency dwelling unit, guest room, and suite owned by the owner for the purpose of installing, repairing, testing, and maintaining single station smoke detectors required by this section. Except in cases of emergency, the owner or owner's agent shall give the tenants of each such unit, room, or suite reasonable notice in writing of the intention to enter and shall enter only during normal business hours. 24 hours shall be presumed to be reasonable notice in absence of evidence to the contrary. The smoke detector 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 detector within his or her unit. The owner or authorized agent shall correct any reported deficiencies in the smoke detector and shall not be in violation of this section for a deficient smoke detector when he or she has not received notice of the deficiency.
- f. A violation of this section is an infraction punishable by a maximum fine of two hundred dollars (\$200) for each offense.
- g. This section shall not affect any rights which the parties may have under any other provision of law because of the presence or absence of a smoke detector.
- h. This section shall not apply to the installation of smoke detectors in single-family dwellings or factory-built housing, which is regulated by Section 13113.8, as added by Assembly Bill No. 2285 of the 1983-84 Regular Session.

R315.2.1 Existing buildings and new construction. For existing buildings and new construction, carbon monoxide alarms shall be provided in dwelling units where either or both of the following exists.

1. The dwelling unit contains a fuel-fired appliance or fireplace.
2. The dwelling unit has an attached garage with an opening that communicates with the dwelling unit.

R315.2.2 Alterations, repairs and additions. Where an addition is made to an existing dwelling, or a fuel-burning heater, appliance, or fireplace is added to an existing dwelling, not previously required to be provided with carbon monoxide alarms, new carbon monoxide alarms shall be installed in accordance with section R315.

- 1) **Exceptions:** Work involving the exterior surfaces of dwellings, such as the replacement of roofing or siding, or the addition or replacement of windows or doors, or the addition of a porch or deck.
- 2) Installation, alteration or repairs of plumbing or mechanical systems.
- 3) Installation, alteration or repairs of mechanical systems that are not fuel fired.

R315.3 Location. Carbon Monoxide alarms in dwelling units shall be installed and maintained in accordance with the manufacturer's published instructions in the following locations:

1. Outside of each separate sleeping area in the immediate vicinity of the bedroom(s).
2. On every occupiable level of a dwelling unit, including basements.
3. Where a fuel burning appliance is located within a bedroom or its attached bathroom, a carbon monoxide alarm shall be installed within the bedroom.

R315.4 Combination alarms. Combination carbon monoxide and smoke alarms shall be permitted to be used in lieu of carbon monoxide alarms. Combination carbon/smoke alarms shall comply with Section R315 and all requirements for listing and approval by the Office of the State Fire Marshal, for smoke alarms.

R315.7 Carbon Monoxide Detection Systems Carbon monoxide detection systems shall be permitted to be used in lieu of carbon monoxide alarms and shall comply with Sections R315.7.1 through R315.7.4.

R315.7.2 Location Household carbon monoxide detection systems shall comply with NFPA 720. Carbon monoxide detectors shall be listed in accordance with UL 2075.

R315.7.2 Location Carbon monoxide detectors shall be installed and maintained in the locations specified in Section R315.3 or NFPA 72.

R315.7.3 Permanent Fixture Where a household carbon monoxide detection system is installed, it shall become a permanent fixture of the occupancy and owned by the homeowner.

R315.7.4 Combination Detectors Combination carbon monoxide and smoke detectors installed in carbon monoxide detection systems in lieu of carbon monoxide detectors shall be listed in accordance with UL 268 and UL 2075. *Combination carbon monoxide/smoke detectors shall comply with all requirements for listing and approval by the Office of the State Fire Marshal for smoke alarms.*

PAMC 16.06.180 Section R315.7.5. Carbon monoxide alarms. *Section R315.7.5 of the California Residential Code is added to read:*

R315.7.5 Carbon Monoxide alarms or detectors end of life replacement. *Carbon monoxide alarms or detectors shall be replaced every 10 years or according to the manufacture guidelines, whichever is more restrictive.*