



CITY OF PASADENA
BUILDING AND SAFETY DIVISION

175 North Garfield Avenue, Pasadena, CA 91101-1704
(626) 744-4200 Fax: (626) 744-3979
www.cityofpasadena.net

SMOKE & CARBON MONOXIDE ALARM
SELF-CERTIFICATION

Project Address: _____

Permit Number: _____

Note: This self-certification is only for residential exterior work or foundation retrofit to dwelling unit(s). The permit cannot be finalized until this form is completed, signed and returned to the City. Provide the complete, signed form to the Building Inspector prior to the final inspection.

I / We, the owner(s) or authorized agent of this property, certify under penalty of perjury that smoke alarms(s) and carbon monoxide alarm(s) have been installed by me / us or the contractor, in the residence noted above in accordance with the City of Pasadena Municipal Code & the manufacturer's installation instructions, and that the alarms have been tested and are operable. Smoke and carbon monoxide alarms have been installed in the required locations per the governing codes (see page 2 & 3).

In buildings containing more than one dwelling unit, smoke and carbon monoxide alarms shall be installed in each separate unit. The address of each separate dwelling unit shall be included in the project address space above.

Print Name:

Circle One: **Owner(s) / Agent / Contractor**

Signature:

Date: _____

Print Name:

Circle One: **Owner(s) / Agent / Contractor**

Signature:

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SMOKE & CARBON MONOXIDE ALARMS REQUIREMENTS

Smoke Alarms Requirements [CBC & CRC]

When alterations, repairs or additions requiring a permit occur, or where one or more sleeping rooms are added or created in existing dwellings, the individual unit shall be equipped with smoke alarms and installed at the following locations:

- In each sleeping room.
- On the ceiling or wall outside of each separate sleeping area in the immediate vicinity of the bedrooms.
- On each additional story of the dwelling, including basements and habitable attics (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.

The installation of smoke alarms and smoke detectors shall comply with the following requirements: [SFM]

- Shall not be located where ambient conditions, including humidity and temperature, are outside the limits specified by the manufacturer's published instructions.
- Shall not be located within unfinished attics or garages or in other spaces where temperatures can fall below 40°F or exceed 100°F.
- Where the mounting surface could become considerably warmer or cooler than the room, such as a poorly insulated ceiling below an unfinished attic or an exterior wall, smoke alarms and smoke detectors shall be mounted on an inside wall.
- Shall be installed a minimum of 20-foot horizontal distance from a permanently installed cooking appliance.
- Shall be installed not less than a 3-foot horizontal distance 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 other sections of the code.
- Shall not be installed within a 36-inch horizontal path from the supply registers of a forced air heating or cooling system and shall be installed outside of the direct airflow from those registers.
- Shall not be installed within a 36-inch horizontal path from the tip of the blade of a ceiling-suspended (paddle) fan.
- Where stairs lead to other occupied levels, a smoke alarm or smoke detector shall be located so that smoke rising in the stairway cannot be prevented from reaching the smoke alarm or smoke detector by an intervening door or obstruction.
- For stairways leading up from a basement, smoke alarms or smoke detectors shall be located on the basement ceiling near the entry to the stairs.
- Shall be installed on the highest portion of the ceiling or on the sloped portion of the ceiling within 12-inch vertically down from the highest point of tray-shaped ceilings (coffered ceilings).
- Smoke alarms and detectors installed in rooms with joists or beams shall comply with the requirements of 17.7.3.2.4 of NFPA 72.
- Heat alarms and detectors installed in rooms with joists or beams shall comply with the requirements of 17.6.3 of NFPA 72.



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SMOKE & CARBON MONOXIDE ALARMS REQUIREMENTS

All smoke alarms shall be listed and labeled in accordance with UL 217 and installed in accordance with the provisions of NFPA 72. Alarms shall be tested and maintained in accordance with the manufacturer's instructions. Alarms that no longer function must be replaced.

Carbon Monoxide Alarms Requirements [CBC & CRC]

Existing dwelling or sleeping units shall be provided with a carbon monoxide alarm if there is a fuel-burning appliance or fireplace in the unit or where the garage is attached to the unit with an opening that communicates with the unit. Carbon monoxide alarms shall be installed at the following locations in the specific dwelling unit or sleeping unit for which the permit was obtained:

- Outside each separate sleeping area in the immediate vicinity of the bedroom(s).
- On each story of a multistory unit, and in basements.
- Where a fuel-burning appliance is located within a bedroom or its attached bathroom, carbon monoxide alarm shall be installed within the bedroom.

All carbon monoxide alarms (including smoke & carbon monoxide combination alarms) shall be listed and labeled in accordance with UL 2034 (and UL 217 for combo alarms) and installed & maintained in accordance with NFPA 720 & the manufacturer's instructions.

In multi-family buildings, all required carbon monoxide alarms shall be equipped with the capability to support visible alarm notification in accordance with NFPA 720.

Power Supply & Interconnection Requirements [CBC & CRC]

Smoke & carbon monoxide alarms shall receive their primary power from the building wiring provided that such wiring is served from a commercial source and shall be equipped with a battery backup. Wiring shall be permanent and without a disconnecting switch other than as required for overcurrent protection.

Where more than one smoke & carbon monoxide alarm is required to be installed within an individual dwelling unit, the smoke & carbon monoxide alarms shall be interconnected in such a manner that the activation of one alarm will activate all the alarms in the individual unit. All alarms shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.

Smoke & carbon monoxide alarms may be solely battery operated and non-interconnected in existing dwelling units where repairs or alterations are limited to 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. [& CFC]