



Building Department
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Declaration of Installation

for Smoke Alarms and Carbon Monoxide Alarms

2016 California Residential Code requirements for Smoke Alarms / CO2 Alarms

The information in this handout provides general guidelines for the installation requirements of Smoke and Carbon Monoxide Alarms in the Town of Loomis

When are Smoke and Carbon Monoxide Alarms required?

Every new residential construction project requires the installation of hardwired and interconnected Smoke and Carbon Monoxide Alarms, in compliance with the 2016 California Building Code. In addition to new residential construction projects, Smoke and Carbon Monoxide Alarms are required to be installed in residences for every construction project whenever a building permit is required (2016 California Residential Code Section R314.2.2). Carbon Monoxide Alarms are required to be installed in every dwelling unit containing a fuel burning appliance, fireplace, or if the dwelling unit has an attached garage (2016 CRC R315.2.1).

Where do I install Smoke Alarms?

- In each room used for sleeping purposes (usually bedroom).
- Outside of each separate sleeping area, in the immediate vicinity of bedrooms (usually hallway to bedrooms).
- In each story within a dwelling unit, including basements and habitable attics, but 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.

Smoke Alarms shall be installed not less than 3 feet horizontally from the door opening of a bathroom that contains a bathtub or shower.

Where do I install Carbon Monoxide Alarms?

- Outside of each separate sleeping area, in the immediate vicinity of bedrooms (usually hallway to bedrooms).
- On every occupied level of a dwelling unit, including basement.
- Where a fuel burning appliance is located within a bedroom or its attached bathroom, a Carbon Monoxide Alarm shall be installed within the bedroom (for example, a bedroom with a fireplace).

Hardwired or Battery operated?

Every new construction project requires installation of hardwired alarms (alarms that receive their primary power from the building wiring) and interconnected alarms (if one alarm goes off, the rest of the alarms will be triggered). Smoke and Carbon Monoxide Alarms with battery backup, per 2016 California Building Codes and alarm manufacturers' specifications, are permitted to be solely battery operated in existing areas of buildings undergoing alterations, remodels, 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 (2016 CRC R314.6, R315.5).

Carbon monoxide alarms and carbon monoxide detectors shall be installed in accordance with this code, the current edition of NFPA 720 "Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment" and the manufacturer's installation instructions. Other carbon monoxide alarm and detection devices as recognized in NFPA 720 are also acceptable.

Carbon monoxide alarms required by Sections R315.1 and R315.2 shall be installed in the following locations:

1. Outside of each separate dwelling unit sleeping area in the immediate vicinity of the bedroom.
2. On every 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 (for example, a bedroom with a fireplace).

R314.3 Smoke alarm Locations: Smoke alarms are required In each sleeping room and outside each separate sleeping area in the immediate vicinity of the bedrooms and on each additional story of the dwelling, including basements and habitable attics.

R315.1.5 Multiple-purpose alarms: Carbon monoxide alarms combined with smoke alarms shall comply with Section R315, all applicable standards, and requirements for listing and approval by the Office of the State Fire Marshal, for smoke alarms.

The Town of Loomis Interpretation of 2016 CRC, Sections 314 & 315 for Smoke Alarms & Carbon Monoxide Alarms

Alterations, repairs, additions and existing dwellings shall be retrofitted with smoke alarms and those that have attached garages or fuel-burning appliances shall have carbon monoxide alarms installed. Existing smoke alarms can be replaced with dual function alarms for Smoke and Carbon Monoxide and in most cases will comply with the aforementioned code requirements for Carbon Monoxide Alarms.

DECLARATION OF INSTALLATION UNDER THE PENALTY OF PERJURY

As Owner/Contractor, I/we affirm and declare under the penalty of perjury, under the laws of the State of California by our signatures below as Owner/Contractor, will comply prior to final inspection with Items A & B as specified herein:

The Owner/Contractor have read and clearly understand the aforementioned 2016 California Residential Code (CRC) Carbon Monoxide Alarm requirements.

The Owner/Contractor is responsible for installing Carbon Monoxide Alarms prior to final inspection as per the aforementioned building code and maintaining such installation. Smoke Alarms will also be installed prior to final inspection as per the 2016CRC.

Owner's name (print): _____

Owner's signature: _____ Date: _____

Contractor's name (print): _____ CSLB License: _____

Contractor's signature: _____ Date: _____

Project Address: _____ Permit #: _____

Owner or Contractor shall complete this Declaration of Installation.