

## Smoke Alarm and Carbon Monoxide Alarm Installation Self-Certification

*This certificate must be completed by the property owner and returned to the building inspector prior to final inspection.*

Permit #: \_\_\_\_\_ Address: \_\_\_\_\_

### Smoke Alarms

1. Smoke alarms shall be installed in the following locations:
  - a. In each sleeping room
  - b. Outside 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. 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.
  - d. Smoke alarms shall be installed not less than 3 feet horizontally from the door or opening of a bathroom that contains a bathtub or shower unless this would prevent placement of a smoke alarm. (2016 CRC Section R314.3)
2. Smoke alarms shall be tested and maintained in accordance with the manufacturer's instructions. Smoke alarms that no longer function shall be replaced. (2016 CRC R314.3.2)
3. Where more than one smoke alarm is required to be installed within an individual dwelling or sleeping unit, the smoke alarms shall be interconnected in such a manner that the activation of one alarm will activate all of the alarms in the individual unit. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed. (2016 CRC 314.4)
4. *Exceptions to Interconnection Requirement:* 1. Interconnection is not required in buildings that are not undergoing alterations, repairs or construction of any kind; 2. Smoke alarms in existing areas are not required to be interconnected where alterations or repairs do not result in the removal of interior wall or ceiling finishes exposing the structure, unless there is an attic, crawl space or basement available which could provide access for interconnection without the removal of interior finishes. (2016 CRC R314.4)

### Carbon Monoxide (CO) Alarms

1. For *existing buildings and* new construction, carbon monoxide alarms shall be provided in dwelling units where either or both of the following conditions exist.
  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. (2016 CRC R315.2.1)
2. 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. (2016 CRC R315.2.2)
3. CO Alarms in dwelling units shall be installed and maintained in accordance with the manufacturer's published instructions in the following locations:
  - a. Outside of each separate dwelling unit sleeping area in the immediate vicinity of the bedrooms.
  - b. On every occupiable level of a dwelling unit, including basements.
  - c. Where a fuel-burning appliance is located within a bedroom or its attached bathroom, a carbon monoxide alarm shall be installed within the bedroom. (2016 CRC R315.3)

4. CO Alarms shall receive their primary power from the building wiring where such wiring is served from a commercial source and, where primary power is interrupted, shall receive power from a battery. Wiring shall be permanent and without a disconnecting switch other than as required for overcurrent protection. *(2016 CRC R315.5)*
5. *Exceptions to Power Source Requirement:*
  - a. CO Alarms shall be permitted to be battery operated where installed in buildings without commercial power.
  - b. CO Alarms installed in accordance with Section R315.2.2 shall be permitted to be battery powered.
  - c. *(not relevant to this type of permit)*
  - d. CO Alarms shall be permitted to be battery-powered or plug-in with a battery backup in existing buildings built prior to January 1, 2011, under any of the following conditions:
    - i. No construction is taking place.
    - ii. Repairs or alterations do not result in the removal of interior wall and ceiling finishes exposing the structure in areas/spaces where CO alarms are required.
    - iii. 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.
    - iv. Work is limited to the installation, alteration or repair of plumbing, mechanical or electrical systems, which do not result in the removal of interior wall or ceiling finishes exposing the structure in areas/spaces where CO alarms are required.
6. Where more than one carbon monoxide alarm is required to be installed within the dwelling unit or within a sleeping unit, the alarms shall be interconnected in a manner that activation of one alarm shall activate all of the alarms in the individual unit. *(2016 CRC R315.7)*
7. *Exceptions to Interconnection Requirement:* Interconnection is not required in existing buildings built prior to January 1, 2011, under any of the following conditions:
  - i. Physical interconnection is not required where listed wireless alarms are installed and all alarms sound upon activation of one alarm.
  - ii. No construction is taking place
  - iii. Repairs or alterations do not result in the removal of interior wall and ceiling finishes exposing the structure in areas/spaces where CO alarms are required.
  - iv. Repairs or alterations are limited to the exterior surfaces of dwellings, such as the replacement of roofing, or siding, or the addition of a porch or deck.
  - v. Work is limited to the installation, alteration or repair of plumbing, mechanical, or electrical systems, which do not result in the removal of interior wall or ceiling finishes exposing the structure in areas/space where CO alarms are required.

***I, as owner of the above mentioned property, certify, under penalty of perjury, that both smoke alarms and carbon monoxide alarms have been installed in this dwelling in accordance with all applicable building codes and standards, and will maintained in good working order as described by code, and the manufacturer's instructions. This form is to be signed and returned to the inspector, and will be filed with the permit.***

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Signature of Property Owner

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Date