

# Smoke and CO Detectors – 2015 IRC Section R314 and R315

## Fire Protection Systems – 2015 IBC Chapter 9

Section R313 Automatic fire sprinkler systems, is hereby deleted.

**R314.1.1/ R315.1 Listing.** Smoke alarms shall be listed in accordance with UL 217. Carbon monoxide alarms shall be listed in accordance with UL 2034. Combination smoke and carbon monoxide alarms shall be listed in accordance with UL 217 and UL 2034

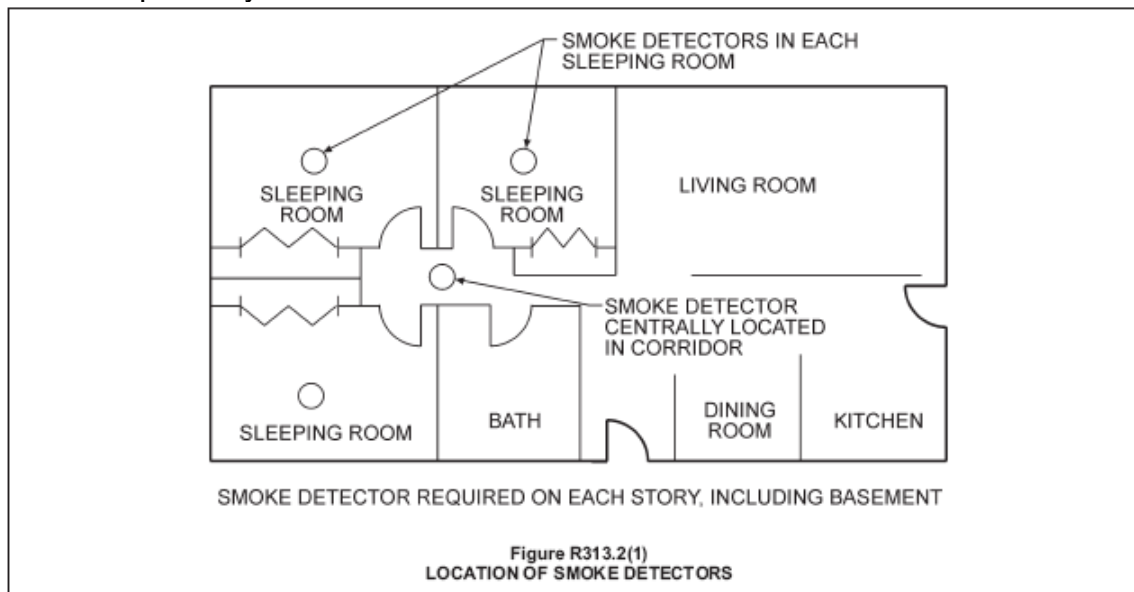
**R315.2.1 New construction.** For new construction, carbon monoxide alarms shall be provided in dwelling units where either or both of the following conditions exist.

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

**R315.3 Location.** Carbon monoxide alarms in dwelling units shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms. Where a fuel-burning appliance is located within a bedroom or its attached bathroom, a carbon monoxide alarm shall be installed within the bedroom.

**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. Smoke alarms shall be installed 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 Section R314.3.



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**R314.4 Interconnection.** Where more than one smoke alarm is required to be installed within an individual dwelling unit in accordance with Section R314.3, the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual dwelling unit. Physical interconnection of smoke alarms shall not be required where listed wireless alarms are installed and all alarms sound upon activation of one alarm.

**Exception:** Interconnection of smoke alarms in existing areas shall not be required where alterations or repairs do not result in removal of interior wall or ceiling finishes exposing the structure, unless there is an attic, crawl space or basement available that could provide access for interconnection without the removal of interior finishes.

**R314.5 Combination alarms.** Combination smoke and carbon monoxide alarms shall be permitted to be used in lieu of smoke alarms

**R315.6.3 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.

## Commercial – IBC

**IBC Section 901.1 Scope,** is amended to add a second paragraph as follows: The fire code official shall have the authority to adopt additional standards for fire protection systems subject to applicable provisions of State statutes and home rule charter.

**IBC Section 903.2.8 Group R,** is amended by local jurisdiction to add the following exception:

**Exception:** An automatic sprinkler system is not required in multi-use buildings, two stories or less with no more than 2 dwelling units, provided the building is constructed as required by Section 508.4, and an automatic and manual fire alarm system is installed with NFPA 72. Sprinkler systems required by other sections and other codes must still be provided.

**Section 907.2.1 Group A, Exception,** is hereby deleted.

**Section 907.2.2 Group B, Exception,** is hereby deleted.

**Section 907.2.4 Group F, Exception,** is hereby deleted.

**Section 907.2.7 Group M, Exception 2,** is hereby deleted.

**Section 907.2.8.1 Manual fire alarm system, Exception 2,** is hereby deleted.

**Section 907.2.9 Group R-2, Exception 2,** is hereby deleted.