



#14 & 15 – SMOKE ALARMS & CARBON MONOXIDE ALARMS

SMOKE ALARMS

R314.2.2 Alterations, repairs and additions.

When alterations, repairs or additions requiring a permit occur, or when one or more sleeping rooms are added or created in existing dwellings, the individual dwelling unit shall be equipped with smoke alarms located as required for new dwellings.

Exceptions:

1. Reroofing, re-siding, the addition or replacement of windows or doors, exterior decks (over 30" high) or covered porches, all require a permit but DO NOT require any changes to the existing smoke detectors in a house.
2. Permits for plumbing or mechanical work inside an existing house DO NOT require any changes to the existing smoke detectors.

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 (even if there are no bedrooms on those levels), including basements and habitable attics.
4. 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 required by this section

R314.4 Interconnection.

Where more than one smoke alarm is required to be installed within an individual dwelling unit, 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 interconnections of smoke alarms shall not be required where listed wireless alarms are installed and all alarms sound upon activation of one alarm.

Exception:

1. 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 unless there is an attic, crawl space, or basement available that could provide access for interconnection without the removal of interior finishes.

R314.6 Power source.

Smoke alarms shall receive their primary power from the building wiring. Wiring shall be permanent and without a disconnecting switch other than those required for over-current protection.

CARBON MONOXIDE ALARMS

R315.1.1 Listings

Carbon monoxide alarms shall be listed in accordance with UL 2034. Combination carbon monoxide and smoke alarms shall be listed in accordance with UL 2034 and UL 217.

R315.2.1 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.

R315.2.2 Alterations, repairs and additions.

When alterations, repairs or additions requiring a permit occur, or when one or more sleeping rooms are added or created in existing dwellings, the individual dwelling unit shall be equipped with carbon monoxide alarms located as required for new dwellings.

Exceptions:

1. Reroofing, re-siding, the addition or replacement of windows or doors, exterior decks (over 30" high) or covered porches, all require a permit but DO NOT require any changes to the existing carbon monoxide alarms in a house.
2. Permits for plumbing or mechanical work inside an existing house DO NOT require any changes to the existing carbon monoxide alarms. NOTE: If you are installing a new, fuel-fired appliance in an existing home, carbon monoxide alarms shall be provided in accordance with Section R315.1.

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 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, provided that they listed in accordance with UL 2075 and UL 268.