Carbon Monoxide Alarms

R315.2.1 Carbon Monoxide Alarms:
For New Construction, carbon monoxide alarms shall be provided in dwelling units where either or both of the following conditions exist:

- Dwelling unit contains a fuel-fired appliance
- Dwelling unit has an attached garage with an opening that communicates with the dwelling unit

R315.2.2 Alterations, repairs & additions:
Where alterations, repairs or additions requiring a permit occur, the individual dwelling unit shall be equipped with carbon monoxide alarms located as required for new dwellings.
Exceptions:

- *Work involving the exterior surfaces of dwellings (i.e. roofing, siding, windows, doors, deck, porch, etc.)*
- *Installation, alteration or repairs of a plumbing system*
- *Installation, alteration or repairs of mechanical systems that are not fuel-fired*

R315.3 Location:

- Carbon monoxide alarms 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

R315.4 Combination alarms:
Combination carbon monoxide & smoke alarms shall be permitted to be used in lieu of carbon monoxide alarms.

R315.5 Interconnectivity: Where more than one carbon monoxide alarm is required to be installed in accordance with Section R315.3, 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 carbon monoxide alarms shall not be required where *listed* wireless alarms are installed and all alarms sound upon activation of one alarm.
Exceptions:

Interconnection of carbon monoxide 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.

R315.6 Power source:
Carbon monoxide 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 & without disconnecting switch other than those required for overcurrent protection.
Exceptions:

- *C.O. alarms shall be permitted to be battery-operated where installed in buildings without commercial power*
- *In accordance with Section R315.2.2 shall be permitted to be battery-powered*

R315.7 Carbon monoxide detection systems:
Carbon monoxide detection systems shall be permitted in lieu of carbon monoxide alarms, complying with the following:

- Compliance with NFPA 720 & shall be listed in accordance with UL 2075
- C.O. detectors shall be installed in the locations specified in Section R315.3
- It shall become a permanent fixture of the occupancy, owned by the homeowner
- Combination CO & smoke detectors shall be permitted in lieu of C.O. detectors, provided that they are listed in accordance with UL 2075 & UL 268