



CITY OF PORTAGE

BUILDING DEPARTMENT

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SMOKE AND CARBON MONOXIDE ALARMS

Required Smoke Alarm Locations.

At least one smoke alarm shall be installed in each of the following locations:

1. In the living area remote from the kitchen and cooking appliances. Smoke alarms located within 20 feet horizontally of a cooking appliance must incorporate a temporary silencing feature or be photoelectric type.
2. In each room designed for sleeping.
3. On each level of a dwelling, or on the ceiling of the upper level near the top or above each stairway, other than a basement stairway, in any multistory dwelling. The alarm shall be located so that smoke rising in the stairway will not be prevented from reaching the alarm by an intervening door or obstruction.
4. On the basement ceiling near the stairway.

Required Carbon Monoxide Alarm Locations

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.

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.

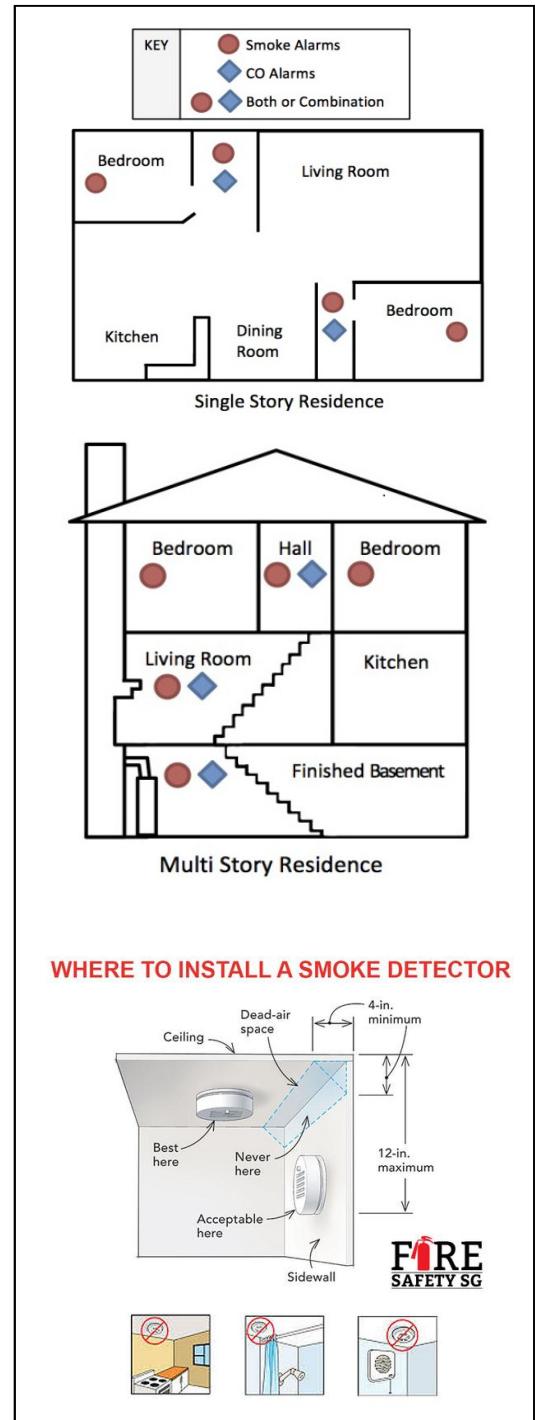
Alterations, Additions, and Systems Replacement. Where alterations, additions, or complete replacement of the electrical system requiring a permit occurs, the individual dwelling unit shall be equipped with smoke and/or carbon monoxide alarms located as required for new dwellings.

Exception:

1. Electrical work, which is limited to the replacement, relocation, or upgrade of an existing service panel or meter base.

Prohibited Smoke Alarm Locations.

A smoke alarm required under this section shall not be placed Within 3 feet horizontally from any grille moving conditioned air within the living space; or a door or opening of a bathroom containing a bathtub or shower.



Installation Requirements

Flat Ceilings.

In rooms with flat, peaked sloping or single slope ceilings with a slope of less than 1.5/12, smoke alarms shall be mounted either:

1. On the ceiling at least 4 inches from each wall; or
2. On a wall with the top of the alarm not less than 4 inches below the ceiling and not farther from the ceiling than 12 inches or the distance from the ceiling specified in the smoke alarm manufacturer's listing and installation instructions, whichever is less.

Sloped Ceilings.

In rooms with peaked sloped ceilings with a slope of 1.5/12 or greater, smoke alarms shall be:

1. Mounted on the ceiling or wall within 3 feet, measured horizontally from the peak of the ceiling;
2. At least 4 inches, measured vertically, below the peak of the ceiling; and
3. At least 4 inches from any projecting structural element.

Interconnection.

Where more than one smoke alarm or carbon monoxide alarm are 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 interconnection of alarms shall not be required where listed wireless alarms are installed and all alarms sound upon activation of one alarm.

Combination alarms.

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

Power Source.

Smoke and 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 and without a disconnecting switch other than those required for overcurrent protection.

Exceptions:

1. Alarms shall be permitted to be battery operated where installed in buildings without commercial power.
2. Alarms installed 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 shall be permitted to be battery powered.