

**661—211.12(86GA,SF2219) Installation and placement of carbon monoxide alarms.**

**211.12(1)** *Location.* When required by rule 661—211.11(86GA,SF2219), a carbon monoxide alarm shall be installed in the following locations:

- a. In the immediate vicinity of every room used for sleeping purposes in each dwelling unit.
- b. In each bedroom where a fuel-burning heater or furnace, fuel-burning appliance, or fireplace is located within the bedroom or its attached bathroom.
- c. In each sleeping unit, if the sleeping unit or its attached bathroom contains a fuel-burning appliance, fuel-burning heater or furnace, or fireplace.
- d. In the immediate vicinity of each sleeping unit where the sleeping unit or its attached bathroom does not contain a fuel-burning appliance, fuel-burning heater, or fireplace and is not served by a forced-air furnace.

**211.12(2)** *Carbon monoxide alarm location—exceptions.* A carbon monoxide alarm shall not be required in the locations specified by subrule 211.12(1) when:

- a. There are no communicating openings between the fuel-burning heater or furnace, fuel-burning appliance, fireplace, or attached garage and a dwelling unit or sleeping unit.
- b. There are no communicating openings between the fuel-burning heater or furnace, fuel-burning appliance or fireplace and a dwelling unit or sleeping unit and when a dwelling unit or sleeping unit is located more than one story above or below an attached garage.
- c. There are no communicating openings between the fuel-burning heater or furnace, fuel-burning appliance, or fireplace and a sleeping unit or dwelling unit and the attached garage connects to the building through an open-ended corridor.
- d. A carbon monoxide alarm is located on the ceiling of the room containing the fuel-burning heater, fuel-burning appliance or fireplace, or in the first room or area between the fuel-burning heater, fuel-burning appliance or fireplace and the dwelling unit or sleeping unit.

**211.12(3)** *Forced-air furnace—exception.* A carbon monoxide alarm shall not be required in a dwelling unit or sleeping unit which is served by a fuel-burning forced-air furnace when a carbon monoxide alarm is located on the ceiling of the room containing the forced-air furnace or in the first room or area served by each main duct leaving the forced-air furnace and the carbon monoxide alarm signals are automatically transmitted to the occupants of each dwelling unit or sleeping unit served by the forced-air furnace.

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