

**SECTION R326  
CARBON MONOXIDE ALARMS**

**R326.1 Carbon monoxide alarms.** For new construction, approved single station carbon monoxide alarms or a household carbon monoxide detection system shall be installed.

**R326.2 Installation Location.** Carbon monoxide alarms shall be located in each bedroom or within 15 feet outside of each bedroom door. Bedrooms on separate floor levels in a structure consisting of two or more stories shall have separate carbon monoxide alarms serving each story.

**R326.3 Alarm requirements.**

**R326.3.1 Single station alarm requirements.** Single station carbon monoxide alarms shall be listed as complying with UL 2034 and shall be installed in accordance with this code and the manufacturer's installation instructions.

**R326.3.2 Household carbon monoxide detection systems.** Household carbon monoxide detection systems, that include carbon monoxide detectors and audible notification appliances, installed in accordance with this section for carbon monoxide alarms and NFPA 720 shall be permitted. The carbon monoxide detectors shall be listed as complying with UL 2075.

**R326.3.3 Combination smoke/carbon monoxide alarm/detectors requirements.** Combination smoke/carbon monoxide alarms shall be listed as complying with ANSI/UL 2034 and ANSI/UL 217. Combination smoke/carbon monoxide detectors shall be listed as complying with ANSI/UL 2075 and ANSI/UL 268. See Section R313 for additional requirements specific to the installation of smoke alarms.

**R326.4 Power Source.**

**R326.4.1 Carbon Monoxide Alarms.** Single station carbon monoxide alarms shall be battery operated, or may receive their primary power from the building wiring system. Plug in devices securely fastened to the structure and installed in accordance with the manufacturer's installation instructions are deemed to satisfy this requirement. Hard wired and plug-in carbon monoxide alarms shall be equipped with battery back up.

**R326.4.2 Household carbon monoxide detection systems.** Required power supply sources for household carbon monoxide detection systems shall be in accordance with NFPA 720.

**R326.4.3 Combination smoke/carbon monoxide alarms/detectors.** Combination smoke/carbon monoxide alarm/detectors shall receive their primary power from the building wiring when such wiring is served from a commercial source, and when 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. Smoke alarm features of combination smoke/carbon monoxide alarms /detectors shall be interconnected.

**Exceptions:** Interconnection and hard-wiring of combination smoke/carbon monoxide alarms /detectors in existing areas shall not be required where the alterations or repairs do not result in the removal of interior wall or ceiling finishes exposing the structure.

**R326.5 Where required in existing dwellings.** Where a new carbon monoxide source is introduced or work requiring a structural permit occurs in existing dwellings, carbon monoxide alarms shall be provided in accordance with Section R326.1.

**Exception:** Work involving the exterior surfaces of *dwellings*, such as the replacement of roofing or siding, or the *addition* or replacement of windows or doors, or the *addition* of a porch or deck, are exempt from the requirements of this section.

**Add the following Standards to Chapter 43**

NFPA 720-09 Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment .....	R326.3.2, R326.4.2
ANSI/UL 268-06 Standard for Smoke Detectors for Fire Protective Signaling Systems.....	R326.3.3
ANSI/UL 2075-04 First Edition of the Standard for Gas and Vapor Detectors and Sensors, with revisions through September 28, 07.....	R326.3.2, R326.3.3