

NFPA 101: Life Safety Code

Chapter 24 One- and Two-Family Dwellings

24.3.4 Detection, Alarm, and Communications Systems.

24.3.4.1 Smoke alarms or a smoke detection system shall be provided in accordance with either

24.3.4.1.1 or 24.3.4.1.2, as modified by 24.3.4.1.3.

24.3.4.1.1* Smoke alarms shall be installed in accordance with 9.6.2.10 in all of the following locations:

- (1) All sleeping rooms
- (2)*Outside of each separate sleeping area, in the immediate vicinity of the sleeping rooms
- (3) On each level of the dwelling unit, including basements

24.3.4.1.2 Dwelling units shall be protected by an approved smoke detection system in accordance with Section 9.6 and equipped with an approved means of occupant notification.

24.3.4.1.3 In existing one- and two-family dwellings, approved smoke alarms powered by batteries shall be permitted.

24.3.4.2 Carbon Monoxide Alarms and Carbon Monoxide Detection Systems.

24.3.4.2.1 Carbon monoxide alarms or carbon monoxide detectors in accordance with Section 9.12 and 24.3.4.2 shall be provided in new one- and two-family dwellings where either of the following conditions exists:

- (1) Dwelling units with communicating attached garages, unless otherwise exempted by 24.3.4.2.3
- (2) Dwelling units containing fuel-burning appliances or fuel-burning fireplaces 24.3.4.2.2* Where required by 24.3.4.2.1, carbon monoxide alarms or carbon monoxide detectors shall be installed in the following locations:

- (1) Outside of each separate dwelling unit sleeping area in the immediate vicinity of the sleeping rooms
- (2) On every occupiable level of a dwelling unit, including basements, and excluding attics and crawl spaces

24.3.4.2.3 Carbon monoxide alarms and carbon monoxide detectors as specified in 24.3.4.2.1(1) shall not be required in the following locations:

- (1) In garages
- (2) Within dwelling units with communicating attached garages that are open parking structures as defined by the building code
- (3) Within dwelling units with communicating attached garages that are mechanically ventilated in accordance with the mechanical code