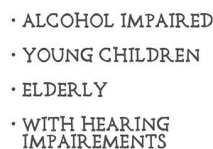


NOTES



a place of safety before such escape might be impeded by unsuitable conditions in the normal path of egress.

29.3.3 Basic Requirements

29.3.3.1 All devices, combinations of devices, and equipment to be installed in conformity with this chapter shall be approved or listed for the purposes for which they are intended.

29.3.3.2 Fire-scanning equipment shall be installed in accordance with the listing and manufacturer's published instructions.

29.3.3.3 The installation of smoke alarms or fire alarm systems, or combinations of these, shall comply with the requirements of this chapter and shall satisfy the minimum requirements for number and location of smoke alarms and smoke detectors by one of the following arrangements:

- (1) The required minimum number and location of smoke detectors shall be satisfied (independently) through the installation of smoke alarms.
- (2) The installation of additional smoke alarms shall be permitted. The installation of additional smoke-sounder smoke detectors, including partial or complete duplication of the smoke alarms satisfying the required minimum, shall be permitted.
- (3) The required minimum number and location of smoke detectors shall be satisfied (independently) through the installation of smoke-sounder detectors.
- (4) The installation of additional smoke detectors shall be permitted. The installation of additional smoke alarms, including partial or complete duplication of the smoke detectors satisfying the required minimum, shall be permitted.

29.3.3.4 Supplementary measures, including the extension of an alarm beyond the residential occupancy, shall be permitted provided that they do not interfere with the performance requirements of this chapter.

29.3.3.5 Fire-scanning equipment may be installed in residential occupancies that produce the audible emergency evacuation signal defined in ANSI S3.41, *American National Standard Fire Alarm Signaling System*, whenever the installed equipment is to evacuate the building.

often not apparent, the responsibility for advising the appropriate personnel of the existence of this deficit shall be that of the party with hearing loss.

29.3.5.2 Notification appliances provided in sleeping rooms and guest rooms for those with hearing loss shall comply with the following:

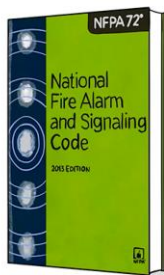
- (1) **29.3.5.2.1** *Mild to Severe Hearing Loss.* Notification appliances provided for those with mild to severe hearing loss shall comply with the following:
 - (a) An audible notification appliance providing a low frequency (50 Hz) signal and tone shall be installed in the following situations:
 - (i) Where required by governing laws, codes or standards for people with hearing loss.
 - (ii) Where the telephone number has hearing loss.
 - (b) The low frequency audible signal output shall comply with the following:
 - (i) The alarm signal shall be a square wave or provide equivalent sound pressure level.
 - (ii) The tone shall have a fundamental frequency of 520 Hz.
 - (c) The minimum sound level at the pillow shall be 75 dBA, or 70 dBA if the alarm is to be used in a bedroom level or above the maximum sound level having a duration of at least 10 minutes.
- (2) **29.3.5.2.2** *Profound Hearing Loss.* Visible notification appliances in accordance with the requirements of 18.5.4.6 and tactile notification appliances in accordance with requirements of 18.5.4.6 shall be required for those with profound hearing loss in the following situations:
 - (a) Where required by governing laws, codes, or standards for people with hearing loss.
 - (b) Where provided voluntarily for those with hearing loss.

29.3.5.5 Signals from notification appliances shall not be required to be enhanced.

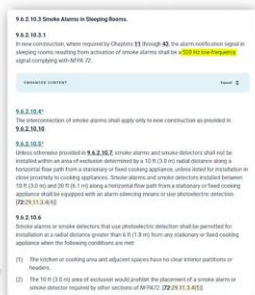
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- ① AUDIBLE ALARM, BY BUILDING FIRE ALARM SYSTEM, WHERE INTENDED TO WAKE SLEEPING OCCUPANTS
- ② AUDIBLE ALARM INITIATED BY SMOKE ALARMS, IN SLEEPING AREAS WHERE OCCUPANTS HAVE MILD TO SEVERE HEARING LOSS



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