

ii. A supervised automatic fire alarm system shall be installed in accordance with the New Jersey Uniform Construction Code.

(i) In all buildings of Use Group R-1 or portions thereof when separated in accordance with (l) below, not required by N.J.A.C. 5:70-4.17 to have a complete automatic fire suppression system, all storage and workshop rooms and rubbish, laundry and similar rooms shall be equipped with a suppression system or smoke detector system connected to an approved continuously staffed location in the building or supervised employing one of the methods identified in N.J.A.C. 5:70-4.9(c)1 through 3. Such systems shall be installed in accordance with the New Jersey Uniform Construction Code.

(j) All dormitories, as defined in this chapter at N.J.A.C. 5:70-1.5, or portions thereof when separated in accordance with (l) below, shall be equipped throughout with an automatic fire sprinkler system installed in accordance with the New Jersey Uniform Construction Code.

(k) Fire suppression systems required by this Code shall be supervised by one of the following methods as determined by the fire official:

1. Approved central station system in accordance with NFIPA 71;
2. Approved proprietary system in accordance with NFIPA 72D;
3. Approved remote station system of the jurisdiction in accordance with NFIPA 72C; or
4. Approved local alarm service which will cause the sounding of an alarm in accordance with NFIPA 72A;
5. The following are exceptions to (k) above:
 - i. Underground gate valves with roadway boxes;
 - ii. Halogenated extinguishing systems;
 - iii. Carbon dioxide extinguishing systems;
 - iv. Dry chemical extinguishing systems; and
 - v. Limited area sprinkler systems.

(l) In buildings containing mixed uses, one or more of which requires automatic suppression in accordance with this section, suppression will not be required throughout the building, provided that the uses requiring suppression are separated from those not requiring suppression by fire resistive construction having a minimum one hour rating. In Use Group H, the rating is to be increased to two hours.

Amended by R.1987 d.247, effective June 15, 1987.

See: 18 N.J.R. 1225(a), 19 N.J.R. 1078(a).

New (b) through (k) added with (h) reserved.

Correction to rule, see 19 N.J.R. 1190(a).

Amended by R.1987 d.373, effective September 21, 1987.

See: 19 N.J.R. 1023(a), 19 N.J.R. 1720(a).

(b): deleted condition concerning resident access to rooms above second story.

Amended by R.1989 d.556, effective November 6, 1989.

See: 21 N.J.R. 2431(a), 21 N.J.R. 3453(a).

New (h) and (k) added.

Amended by R.1992 d.104, effective March 2, 1992.

See: 23 N.J.R. 3552(a), 24 N.J.R. 739(a).

Ventilating hood and duct added at (g), supervised system installation requirements added at (h).

Amended by R.1992 d.405, effective October 19, 1992.

See: 24 N.J.R. 1938(a), 24 N.J.R. 3723(b).

Exceptions to A-2 with load over 50 added at 1i and ii.

Amended by R.1993 d.197, effective May 3, 1993.

See: 25 N.J.R. 393(a), 25 N.J.R. 1868(a).

Added (a)2; deleted (c)9 and added new text.

Emergency amendment, R.2000 d.402, effective September 8, 2000 (to expire November 7, 2000).

See: 32 N.J.R. 3647(a).

Added (j); recodified former (j) and (k) as (k) and (l); and amended internal references throughout.

Adopted concurrent proposal, R.2000 d.486, effective November 6, 2000.

See: 32 N.J.R. 3647(a), 32 N.J.R. 4310(a).

Readopted provisions of R.2000 d.402 without change.

Administrative correction.

See: 35 N.J.R. 219(d).

Amended by R.2007 d.2, effective January 2, 2007.

See: 38 N.J.R. 3377(a), 39 N.J.R. 28(b).

Added (c)2.

Amended by R.2007 d.51, effective February 5, 2007.

See: 38 N.J.R. 375(a), 39 N.J.R. 371(a).

In the introductory paragraph of (a), inserted "(nightclubs)", substituted "where any of the conditions in (a)1, 2 or 3 below exist:" for the period at the end, rewrote (a)1, and added (a)2 through (a)4.

Amended by R.2007 d.60, effective February 20, 2007.

See: 38 N.J.R. 3727(a), 39 N.J.R. 651(a).

In (i), inserted "or supervised employing one of the methods identified in N.J.A.C. 5:70-4.9(c)1 through 3".

Case Notes

New construction code requirement for automatic fire suppression system applies to automotive spray paint booth. *Sweeney's Auto Body Inc. v. Division of Fire Safety*, 96 N.J.A.R.2d (CAF) 37.

5:70-4.8 Standpipe system

(a) All buildings having floors used for human occupancy located more than six stories above grade shall be equipped with wet standpipes. Standpipes shall be located and installed in accordance with the New Jersey Uniform Construction Code except as follows:

1. Standpipes shall be capable of accepting a delivery by fire department apparatus of a minimum of 250 gpm at 65 psi to the topmost remote standpipe outlet in buildings equipped throughout with an automatic fire suppression system or a minimum of 500 gpm at 65 psi to the topmost remote standpipe outlet in all other buildings.
2. Hose and hose cabinets shall not be required.

5:70-4.9 Automatic fire alarms

(a) An automatic fire alarm system shall be installed as required below in accordance with the New Jersey Uniform Construction Code.

1. In all buildings of Use Group I:
 - i. Alarm systems in buildings of Use Group I must be supervised.

- ii. In buildings of Use Group I-1, smoke detectors that are to be located closer than five feet to a kitchen or bathroom area shall be of photoelectric type only.
2. In all buildings of Use Group R-1 and in R-3 bed and breakfast homestays:
- i. In dwelling units or guestrooms, battery-powered single station detectors may be installed, provided that the detectors are maintained in accordance with N.J.A.C. 5:70-3.2(a)5xii, F-515.2.1.
 - ii. In bed and breakfast homestays of Use Group R-3, the system shall not be required to be supervised or connected to an emergency power supply.
 - iii. All buildings of Use Group R-1, regardless of the number of units, shall have available at least one portable visual alarm type smoke detector for the deaf or hearing impaired for each 50 units or fraction thereof. The owner may require a refundable deposit for such portable smoke detector not to exceed the value of the smoke detector. Notification of the availability of such devices shall be provided to each occupant.
3. In all buildings of Use Group R-2 as follows:
- i. All buildings of Use Group R-2, including multiple dwellings and rooming houses with six or more occupants, shall have approved smoke detection systems located in all interior common areas. Such systems shall be powered by an alternating current (AC) constantly active electric circuit that cannot be deactivated by the operation of any interconnected switching device and shall comply with NFPA 70-93 (National Electrical Code) requirements, except as otherwise provided in this section. Such systems shall be on circuitry that is connected into the building owner's electric meter.
 - (1) In multiple dwellings six stories or more in height and having 30 or more dwelling units, such systems:
 - (A) Shall be connected to a supervisory type listed control panel conforming to U.L. 864 requirements and NFPA 72-90 standards, except as otherwise provided in this section;
 - (B) Shall be powered by an approved emergency power source installed in conformance with NFPA 70-93 (National Electrical Code); and
 - (C) Shall have a control panel of the multi-zoned type that will visually indicate the floor or zone from which the alarm is activated, which panel shall be located in accordance with NFPA 72-90 standards or as directed by the local fire subcode official.
 - ii. A pre-signal alarm feature is not permitted.
 - iii. The separate zoning of floors in high rise buildings for selective floor evacuation is permitted at the

discretion of the fire official.

iv. Alarms shall be located so as to be effectively heard above all other sounds, by all the occupants, in every occupied space within the building not separated by fire walls having a fire-resistance rating of at least two hours.

v. In dwelling units, approved battery-powered single station detectors may be installed, provided that the detectors are maintained in accordance with N.J.A.C. 5:70-3.2(a)5xii, F-515.2.1.

vi. Smoke detectors that are to be located closer than five feet to a kitchen or bathroom area shall be photoelectric type only.

vii. At the request of a tenant of a unit in which a person who is deaf or hearing-impaired resides, the owner shall provide and install a visual alarm type smoke detector for that unit or, in the case of a rooming or boarding house resident, for that resident's sleeping area.

4. With the approval of the fire protection subcode official, fixed temperature or combination rate-of-rise and fixed temperature heat detectors may be substituted for smoke detectors in those locations where frequent nuisance alarms would be likely to occur. Such building spaces include, but are not limited to, garages, crawl spaces, uninhabitable attics, heater and boiler rooms, laundry rooms, kitchens, restaurant service areas, and other rooms where the ambient temperatures are below 40 degrees Fahrenheit or are above 100 degrees Fahrenheit and/or have a relative humidity either below 20 percent or above 85 percent or where environmental conditions are likely to produce nuisance alarms.

5. Existing common area smoke detection systems that were installed in compliance with this subchapter or with the Regulations Governing Rooming and Boarding Houses or Regulations for the Maintenance of Hotels and Multiple Dwellings and maintained in accordance with N.J.A.C. 5:70-3, for which a construction permit was issued subject to plan review approval, shall be accepted as conforming to this section.

6. In any municipality that enacted an ordinance requiring the installation of smoke detectors in multiple dwellings prior to November 11, 1980, a building fully conforming to the requirements of such ordinance prior to November 12, 1980, shall be deemed to be in either full or partial compliance with the requirements of this section if the fire official determines that the provisions of such ordinance provide reasonable life safety protection to the occupants and that replacement of equipment already installed in conformity with such ordinance would be an undue hardship for property owners.

i. A general determination pursuant to this subsection shall be made by the fire official upon review of the ordinance and separate exceptions shall not then be