DIVISION OF
FIRE AND LIFE SAFETY

CITY OF SCOTTSDALE

SCOTTSDALE FIRE DEPARTMENT

Interpretations and Applications of NFPA 72 (2022 edition)

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CITY OF SCOTTSDALE FIRE DEPARTMENT
PLANNING & DEVELOPMENT SERVICES DEPARTMENT

INTERPRETATIONS & APPLICATIONS OF THE 2022 MODIFIED NFPA 72

The following are additions and amendments to NFPA 72

CHAPTER 1 – ADMINISTRATION

1.1.1.1 SPECIAL REQUIREMENTS BASED ON OCCUPANCY *added*

The following requirements shall apply based on the occupancy classification of the building.

Group E Occupancies

Where a fire alarm system is required by IFC Section 907.2.3, an automatic smoke detection system that activates the occupant notification system in accordance with Section 907.5 shall also be installed throughout the Group E occupancy.

Where an automatic smoke detection system is required it shall utilize smoke detectors unless ambient conditions prohibit such an installation. In spaces where smoke detectors cannot be utilized due to ambient conditions, approved automatic heat detectors or an automatic fire sprinkler system shall be permitted.

Fire alarm circuits shall be designed and installed in such a manner that failure, removal, or destruction of any single fire alarm initiating or signaling device or break in the wiring circuit will not interfere with normal operation of the fire alarm system (class “A” wiring).

Group I Occupancies

Notification appliances shall be chimes or strobes throughout patient areas. Fire alarm circuits shall be designed and installed in such a manner that failure, removal, or destruction of any single fire alarm initiating or signaling device or break in the wiring circuit will not interfere with normal operation of the fire alarm system (class “A” wiring).

1.1.1.2 ALARM INSTALLATIONS IN SEPARATED/NON-SEPERATED USES *added*

Fire alarm systems shall be extended throughout all portions of contiguous buildings as required by the International Building Code, Section 508.

CHAPTER 7 – DOCUMENTATION

7.2.1.1 SUBMITTAL REQUIREMENTS *added*

Fire alarm plans submitted to the City shall comply with the following:

(1) All plans, calculations, and data sheets shall be digital format only (PDF).
(2) Include product data for all system components.
(3) All submittals shall be signed and sealed with review and expiration date by a minimum level III NICET Certified Engineering Technician (CET) fire alarm systems or an Arizona Registered Professional Engineer (PE).

Exception: Addition or alteration of five (5) or less initiating or signaling devices on an existing approved system shall not require plan submittal. Fire inspection required.

The exception does not apply to panel replacements, radio communication devices, or new or added circuits.

For digital plan submittals, see the City of Scottsdale website at:
https://eservices.scottsdaleaz.gov/bldgresources/Plans

CHAPTER 10 – FUNDAMENTALS

10.18.1 ALARM ANNUNCIATION *amended*

The location of an operated initiating device shall be annunciated by visible means.

10.18.2 SUPERVISORY AND TROUBLE ANNUNCIATION *amended*

Supervisory or trouble conditions shall be annunciated by visible means.

10.18.5.3 MULTIPLE BUILDINGS *amended*

Where the system serves more than one building, each building shall be annunciated separately.

Properties with more than five buildings using a central dialer shall be provided with a central annunciation device near the main entrance to the property.

CHAPTER 14 – INSPECTION, TESTING AND MAINTENANCE

14.4.3.2.1 DUCT SMOKE DETECTOR TESTING *added*

Smoke detectors within air duct systems, damper activation, door release, and other equipment shall be tested by the professional engineer of record, or an approved testing agency, or a qualified third-party special inspector.

The final acceptance report shall be signed, sealed, dated, and submitted to the Fire Code Official prior to final inspection.

CHAPTER 21 – EMERGENCY CONTROL FUNCTION INTERFACES

21.3.13 ELEVATOR RECALL DETECTOR SUPERVISORY SIGNAL *amended*

Smoke detectors used to initiate Elevator Phase I Emergency Recall Operation shall initiate a supervisory signal in lieu of an alarm signal, unless otherwise required by the Industrial Commission of Arizona.

Smoke detectors used to initiate Elevator Phase I Emergency Recall Operation shall be tested by the Industrial Commission of Arizona. The elevator acceptance inspection report shall be submitted to the Fire Code Official prior to final inspection.