



**GARLAND**

**FIRE**

Fire Marshal's Office  
1500 Highway 66  
Garland, TX 75040  
(972) 781-7148  
Fax; 972-781-7142

# ELEVATOR RECALL AND SHUNT TRIP POLICY

## Automatic Sprinklers

- Shall **not** be installed in elevator machine rooms or elevator machine spaces. **NFPA 13 8.15.5.3**
- Shall be installed only in the bottom of the elevator hoist way when the elevator shaft contains combustible hydraulic fluid. **NFPA 13 8.15.5.1**

## Elevator recall:

- Elevator recall shall be from smoke detector activation in the elevator lobby and machine room.
- Detectors in elevator lobby and machine rooms shall be smoke in conditioned spaces and heat in unconditioned spaces.
- Elevator machine rooms **without** fire sprinklers shall contain a smoke detector for recall only. Where the rooms are unconditioned, heat detectors shall be provided (135° to 165°).
- Elevator machine rooms **with** fire sprinklers shall have a smoke detector for recall. Where the rooms are unconditioned, heat detectors shall be provided (135° to 165°).
- Elevator hoist way in Machine Room-Less (MRL) and hydraulic elevators shall contain a heat detectors (135° to 165°) for recall only.

## Fire Alarm Notification

- Smoke or heat detector shall be installed in the top of the elevator hoist way in all elevator. This detector shall initiate fire alarm only, **NO ELEVATOR RECALL**, except MRL elevators. MRL elevators will initiate recall from the detector located in the top of the hoist way.

## Elevator Shunt Trip:

- Where elevator equipment is located or its enclosure is configured such that application of water from sprinklers could cause unsafe elevator operation shunt tripping shall be required. The shunt shall be tripped by the activation of a 180° to 200° heat detector located within 24 inches of each fire sprinkler. Electrical machine room sprinklers shall have a 212° to 286° operating range.

## Phase I and Phase II

- **607.1 Emergency operation.** Existing elevators with a travel distance of 25 feet (7620 mm) or more shall comply with the requirements in Chapter 11. New elevators shall be provided with Phase I emergency recall operation and Phase II emergency in-car operation in accordance with ASME A17.1.



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- **607.7 Elevator key location.** Keys for the elevator car doors and fire-fighter service keys shall be kept in an *approved* location for immediate use by the fire department.  
The owner shall be permitted to place the building's non-standardized fire service elevator keys in a key box installed in accordance with **Section 506.1.2.**
- **1103.3 Existing elevators.** Existing elevators, escalators and moving walks shall comply with the requirements of Sections 1103.3.1 and 1103.3.2.

Elevator car shall be provided with a two way communication system. The communication system must be connected to either a constantly attended (24 hours) location or to a UL-listed monitoring station. **[BE] 1009.8 Two-way communication.**

The Fire Department shall be notified and must witness acceptance testing of all elevators requiring fire department recall or elevator shunt.

Storage shall not be allowed within the elevator machine room. Signage shall be provided at the entry doors to the elevator machine room indicating "ELEVATOR MACHINERY – NO STORAGE ALLOWED".

**For items not listed refer to 2015 IFC, local amendments, ASME A17.1, and any material deemed applicable by the Fire Marshal or the state.**

<http://www.garlandtx.gov/312/Fire-Prevention>

**This list is provided as an aid for submittals only, and is not intended to cover every code requirement.**