



STATE OF WISCONSIN

Department of Safety and Professional Services
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Governor Scott Walker Secretary Dave Ross

National Fire Alarm Code

**NFPA 72 (2007) & Elevators
 Shunt trip disconnect system**

6.16.4.1	Where heat detectors are used to shut down elevator power prior to sprinkler activation, the detector shall have both a lower temperature rating and a higher sensitivity as compared to the sprinkler. A sprinkler head rated at 212 deg. and a heat detector rated at 135 deg. is recommended.
6.16.4.2	Heat detectors used to shut down elevator power prior to sprinkler operation shall be placed within 2 ft. of each sprinkler head and be installed in accordance with the requirements of Chapter 5.
6.16.4.3	If pressure of water flow switches are used to shut down elevator power immediately upon or prior to the discharge of water from sprinklers, the use of devices with time-delay switches or time-delay capability shall not be used. Surges in water pressure shall not interrupt elevator power.
6.16.4.4	Control circuits to shut down elevator power shall be monitored for the presence of operating voltage. Loss of voltage to the control circuit for the disconnecting means shall cause a supervisory signal to be indicated at the control unit and required remote annunciators.
6.16.4.5	The initiating devices described in 6.16.4.2 and 6.16.4.3 shall be monitored for integrity by the control unit required in 6.16.3.1 and 6.16.3.2.
A17.1 96-10	Normal and stand-by power, including automatic battery lowering must be disconnected upon or before activation of elevator sprinkler(s).

Shunt trip disconnect circuit (typical)

