



Elevator Safety Program - Technical Clarification

Equipment: Passenger/Freight Elevators & Special Purpose Elevators	Topic: TC 18-07 Evacuation Plan (Elevator Entrapments)
December 21, 2018	#: 18-07 Code/Rule: ASME A17.1-2016/CSA B44-16, 8.6.11

Issue: All building owners are required to develop a written procedure to deal with elevator entrapments. Procedures shall be kept on site where they are available to authorized personnel.

Background and Concerns: The purpose of this procedure is to ensure there is a timely reaction to an elevator entrapment. Persons trapped in an elevator may panic, have medical issues, or there may be other emergencies in the building (i.e. fire, flood, earthquake, etc.).

These procedures may be part of a larger evacuation plan involving an entire building or other type of structure.

Clarification:

The elevator code stipulates the following: (ASME A17.1-2016/CSA B44-16)

8.6.11.5 Emergency Evacuation Procedures for Elevators

8.6.11.5.1 *The evacuation of passengers from stalled elevators shall be performed only by authorized, elevator, and emergency personnel (see Section 1.3) in compliance with the procedures specified in 8.6.11.5.2 through 8.6.11.5.6.*

8.6.11.5.2 *A written emergency evacuation procedure shall be made and kept on the premises where an elevator is located.*

8.6.11.5.3 *The procedure shall identify the hazards. The procedure shall also detail the safety precautions utilized in evacuating passengers from a stalled elevator.*

8.6.11.5.4 *All authorized personnel who are assigned to assist in evacuating passengers from a stalled elevator, and all persons who use special purpose personnel elevators and wind turbine tower elevators, shall be given a copy of these procedures and all necessary training to assure that they understand and comply with the procedures.*

8.6.11.5.5 *These procedures shall be available to authorized elevator and emergency personnel.*

8.6.11.5.6 *A record of authorized personnel trained, and all persons who use special purpose personnel elevators, as specified in 8.6.11.5.4, shall be kept on the premises where the elevator is located and shall be available to the authority having jurisdiction.*

NOTE (8.6.11.5): See ASME A17.4, Guide for Emergency Personnel.

Building owners and property managers are encouraged to consult with their elevator maintenance company or an elevator consultant for assistance in developing this plan. It should not be the intent of the evacuation plan to allow untrained building personnel to extract persons from an inoperative elevator.

Action Required: Where a plan has not been established, building owners or their designees shall create an elevator evacuation plan to comply with the above code requirements.

Questions may be directed to:

Chief Elevator Inspector
Dotty Stanlaske, 360-902-6456

Reviewed by Technical Specialists