



*Sedgwick County...
working for you*

Wichita-Sedgwick County Metropolitan Area Building and Construction Department

MABCD DIRECTIVE #15-E6 (ELEVATOR DIRECTIVE)

ISSUE: 1- Year Safety Tests on Electric Elevators

EFFECTIVE DATE: Immediately

The Following procedures which are outlined in ASME A17.2 as required by ASME A17.1 shall be followed when performing 1 year safety tests on Electric Elevators. These procedures are not all inclusive, can be performed in any order and other tests may need to be performed when visual evidence warrants more action.

*** Note- These tests are performed with no load in elevator car.**

Oil Buffer Test – item 5.9.2.1 – Req 8.6.4.19.1

- Fully Compress the Buffers and verify their return to fully extended position within 90 seconds.

Governor And Safety Test – item 2.13.2.1 and 2.29.1 – Req 8.6.4.19.2 and 8.6.4.19.3

- Trip the governor and operate the elevator at inspection speed, this will set the safeties and open the safety circuit. (In most cases the driver should spin or the generator should load up)
- Inspect the safety and governor rope pullout.
- Reset the SOS (safety operated switch)
- Verify that the Governor overspeed switch if installed will disconnect safety circuit.

Slack Rope Device and Machine Final on Winding Drum machine Test – item 3.5.1.1 – Req 8.6.4.19.5

- Obtain slack rope by running onto blocks and setting safeties.
- Jump out slack rope device and raise car.
- Remove jumper and try and operate the unit, it should not run.
- Reset slack rope device.
- Test final limit.

Normal Terminal Stopping Device Test – item 3.5.1.1 – Req 8.6.4.19.5

- Conduct this test at each terminal.
- Run car to terminal at inspection speed, once car reaches terminal the car should stop, the car should operate away from the terminal but not toward the terminal.

Final Terminal Stopping Device Test – item 3.6.1.1 and 5.3.1.1 – Req 8.6.4.19.5

- Conduct this test at each terminal.
- Have the car moved onto the final terminal stopping device, or operate the final terminal stopping device by hand from the top of the car. The car should not be able to operate in either direction.
- Note the location of the device and verify that it is set to operate:
 - a. As close to the terminal as possible but after the normal terminal device.
 - b. Where spring buffers are provided, the device must function before the buffers are engaged.

Unintended Movement and Ascending Car and Overspeed Protection – Req 8.6.4.19.11

- Examine all parts and test going up at slowest speed.

Tom Kerschen
Chief Electrical/Elevator Inspector –
MABCD
5/19/2015