

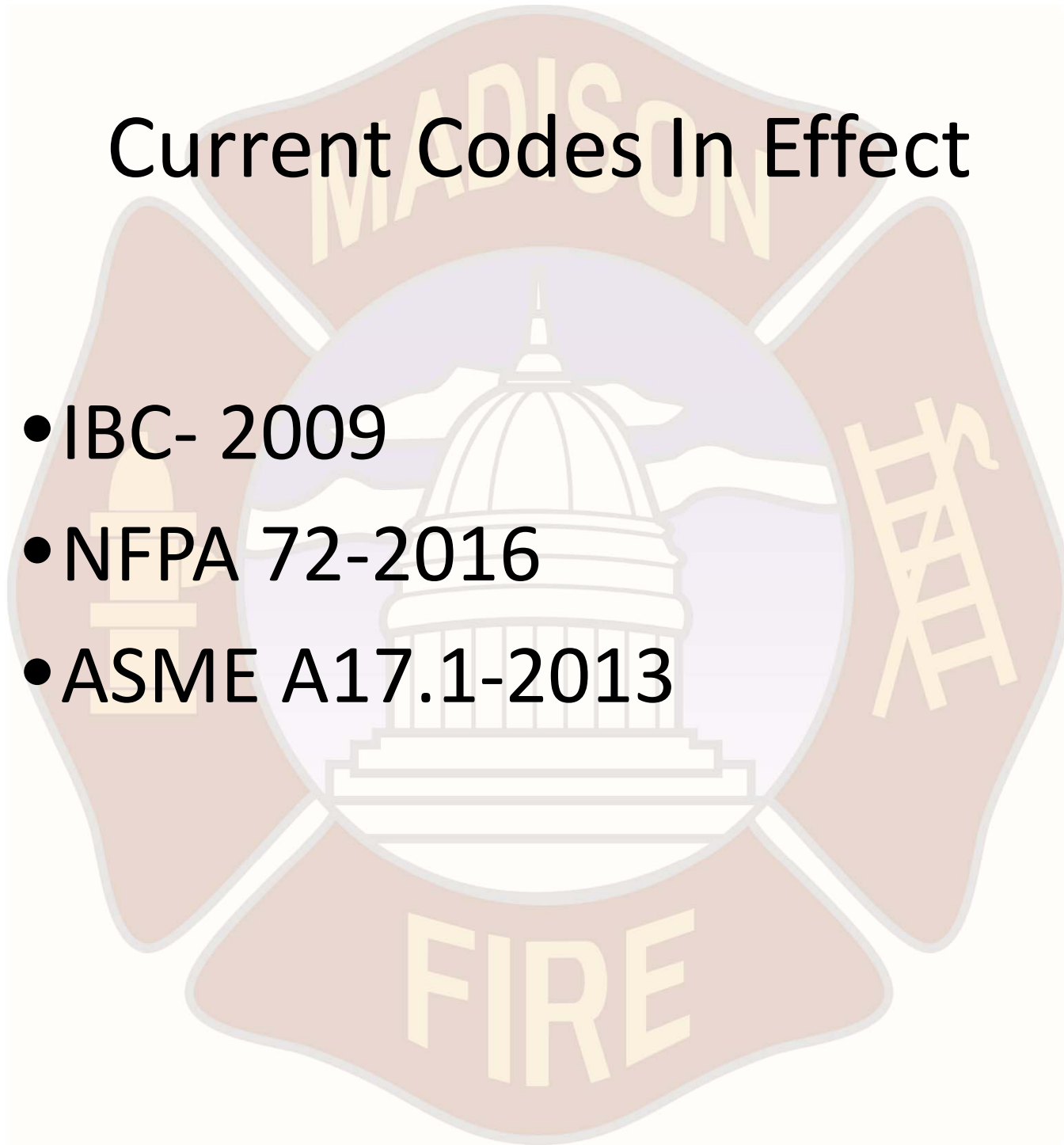


Elevator Update 2018

Presented by the Madison Fire
Department Elevator Inspection
Division

Current Codes In Effect

- IBC- 2009
- NFPA 72-2016
- ASME A17.1-2013



New Codes Coming

The background of the slide features a large, semi-transparent logo of the Madison Fire Department. The logo is a Maltese cross with a central shield. The word "MADISON" is written in a yellow, serif font across the top of the cross. The word "FIRE" is written in a yellow, serif font across the bottom. The central shield contains a white illustration of the Wisconsin State Capitol building. The cross arms are filled with a reddish-brown color.

- WI to adopt **IBC 2015** ~ 9/1/17 or later
- ASME A17.1-2016 (code council currently in session)

IBC 3007- Fire Access Elevators

- *over 120' rise*
- *remove sprinklers from MR and HW*
- *remove shunt trip from disconnects*
- *water protection of hoistway*
- *additional hoistway lighting*
- *lobby considerations (enclosure specs, doors, size)*
- *fire access symbol at main egress floor*

Alternatives to Hoistway Venting

The background of the slide features a large, semi-transparent logo of the Madison Fire Department. The logo is a Maltese cross with a central shield. The shield contains a white dome, likely representing the Wisconsin State Capitol. The word "MADISON" is written in yellow, arched letters across the top of the cross, and "FIRE" is written in yellow, arched letters across the bottom. The cross arms are a reddish-brown color.

- *IBC Ch 30 protection of elevator openings (more lobbies, guarding doors, pressurization)*
- *Variance process*

Examples of smoke curtains



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New Codes (con't)

- *Accessibility needs (hall call buttons to chime or vibrate and additional signage in lobbies indicating floors serviced by elevator)*
- *NFPA 72-2013 requires smoke and heat in elevator pit but devices need to be listed for environment, so we intend to keep them out of pits (false alarms)*

New Construction Checklist (Madison)

- Broken down into 5 sections outside of elevator contractor's scope of work:
 - 1) **Building/General Contractor** (i.e. lobbies, ADA signage, fire extinguishers, phone line)
 - 2) **Electrical** (i.e. lighting requirements in lobbies, MR, and hoistway, emergency power, utilization equipment)
 - 3) **HVAC** (venting in MR and/or hoistway)
 - 4) **Fire Protection** (smokes, heats, shunt trip, fire panel)
 - 5) **Plumbing** (sump pump in elevator pit)

http://www.cityofmadison.com/fire/permits-inspections/elevator-inspections

Who to Contact?

- East: Ronald Mueller, Elevator Code Enforcement Officer, (608) 261-8029
- West: Jan Cramer, Elevator Code Enforcement Officer, (608) 261-8028
- Downtown: Shannon Drezek, Elevator Code Enforcement Officer, (608) 261-8027

Ordinances

- Conveyance Code MGO 40

Forms

Elevator A17-1 Category 1 Test	PDF PDF	MS Word DOC
Elevator A17-1 Category 5 and Acceptance Test	PDF PDF	MS Word DOC
Escalator A17-1 Category 1 Test	PDF PDF	MS Word DOCX
Platform Lift A18-1 Category 5 and Acceptance Test	PDF PDF	MS Word DOCX
Application for Review - Elevators, Escalators and Related Conveyances	PDF PDF	MS Word DOC
Pre-Inspection Checklist	PDF PDF	MS Word DOC
NEW Elevator/Escalator Accident Report	PDF PDF	

Safe Elevator Use Guidelines

- An overloaded elevator represents a unique hazard of brake slippage. Persons being evacuated from an overloaded elevator should be handled with care, in that no passenger or rescuer should stand partially in the elevator entranceway.

Permits & Inspections

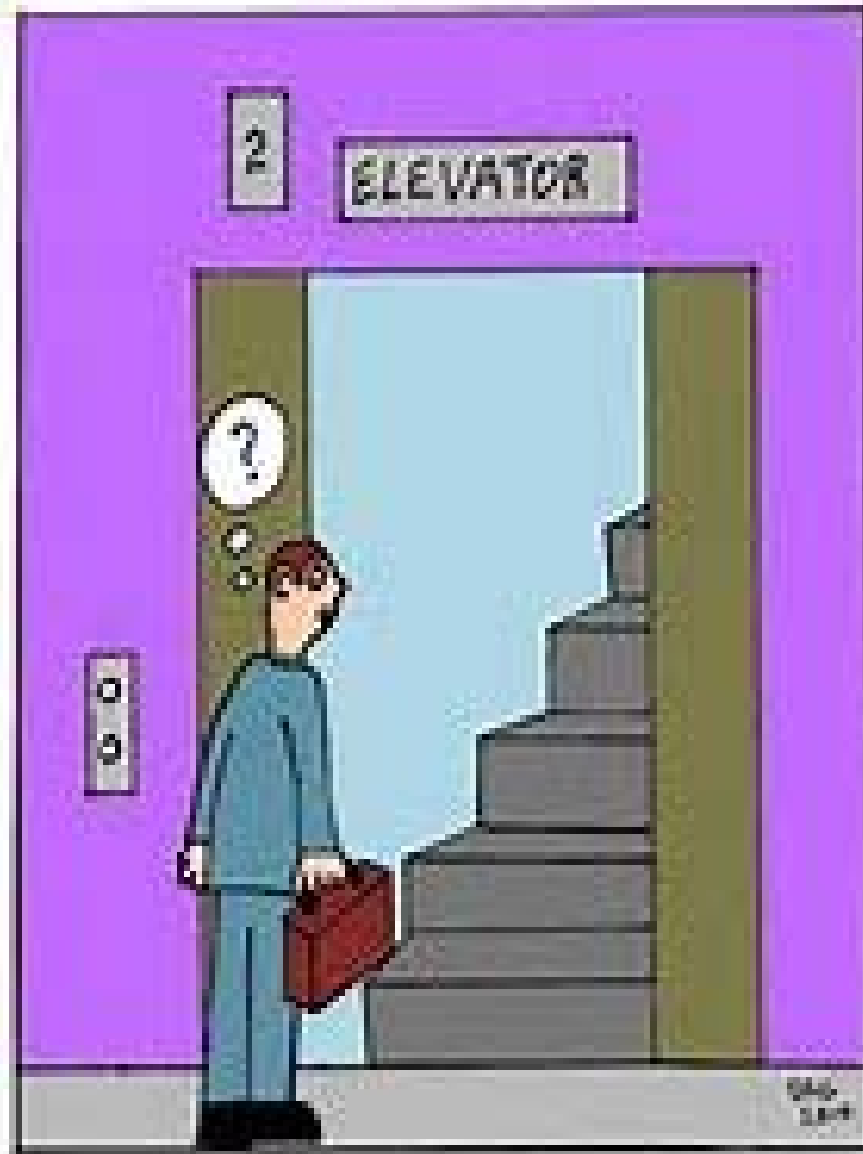
- Fire Inspection Areas / Responsibilities
- Licenses & Permits
- Construction

Elevator Inspections

- Equivalency Guide for Code Deficient Fire Apparatus Access
- Fire Inspection Code & Standards
- Key Vaults
- Ten Common Fire Code Violations

6:52 AM
2/28/2018

QUESTIONS?





Thank you!

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