

2018 Code Change Training

Elevator and Escalator Provisions

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Building Code Academy

Department of Housing
and Community Development



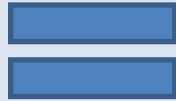
Agenda

Elevator and escalator provisions significant international changes and state amendments

- Virginia Construction Code
- Virginia Energy Conservation Code
- Virginia Property Maintenance Code



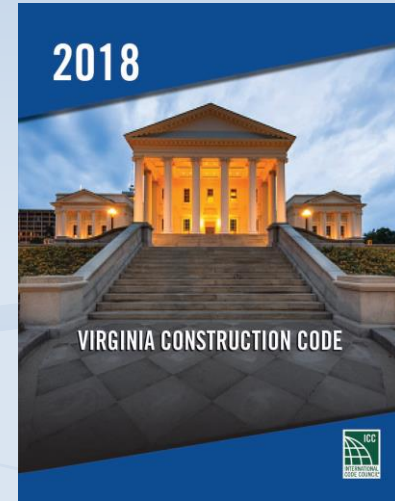
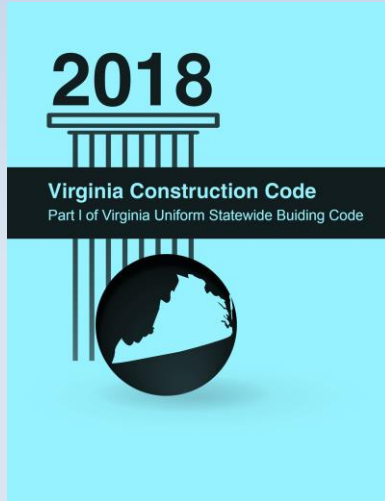
State Code Change



State Level Change



Virginia USBC Part I and IBC



VCC 113.7 Elevator Inspection Reports

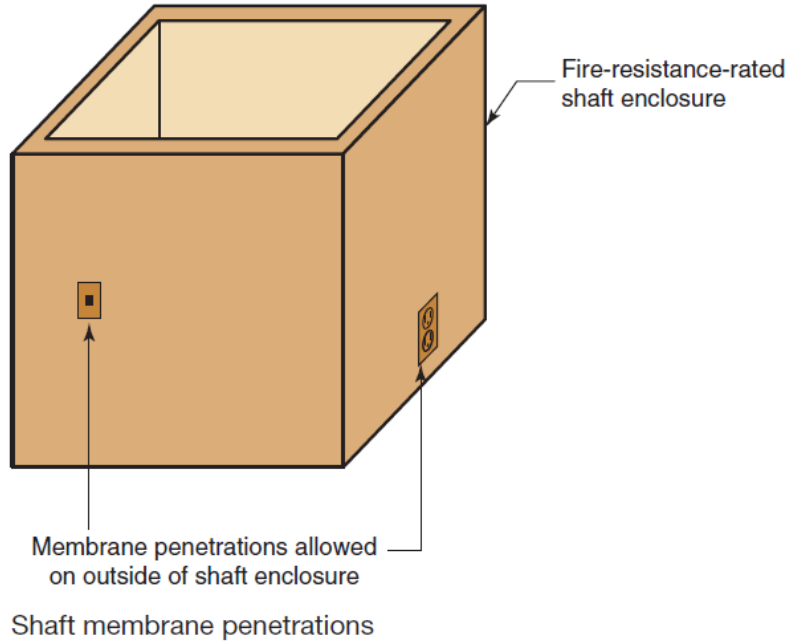
- Elevator inspection reports must contain the name and certification number of the elevator mechanic performing the tests witnessed by the third-party inspector or agency



State Code Change

VCC 713.8.1 Membrane penetrations of shaft enclosures

- Membrane penetrations not related to shaft may now penetrate outside of shaft
- Example may include an outlet or receptacle



© International Code Council

VCC 3001.2 Emergency elevator communication systems

- Elevators now require communication systems for deaf, hard of hearing, and speech impaired





Passenger Alert



FIRE EMERGENCY

This Elevator is in Fire Service.

Please exit elevator and evacuate building when doors open.

★G MZ 2 3 4

5 6 7 8 9



SYMBOLS LEGEND

- EXIT
- ELEVATOR
- FIRE EXTINGUISHER
- FIRE ALARM PULL STATION
- AREA OF RESCUE ASSISTANT
- RESTROOMS



VCC 3007.1 Extent of fire service access elevator travel

- Fire Service Access Elevators need only serve the floor of fire department access and above, but not below
- A new exception exempts elevators serving only open or enclosed parking garages and a building lobby from FSAE requirements



VCC 3008.1.1 Required number of occupant evacuation elevators

- The required number of occupant evacuation elevators is now based on a calculation



Safety Code for Elevators and Escalators

Includes Requirements for Elevators,
Escalators, Dumbwaiters, Moving Walks,
Material Lifts, and Dumbwaiters With
Automatic Transfer Devices

AN AMERICAN NATIONAL STANDARD



The American Society of
Mechanical Engineers

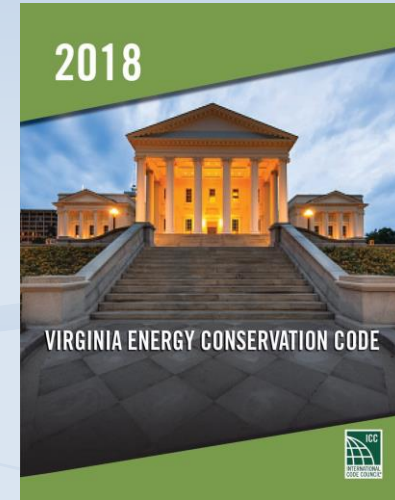


CSA
Group

VCC Ch 35 Referenced standards

- A17.1-2016 is the version referenced by the 2018 VCC

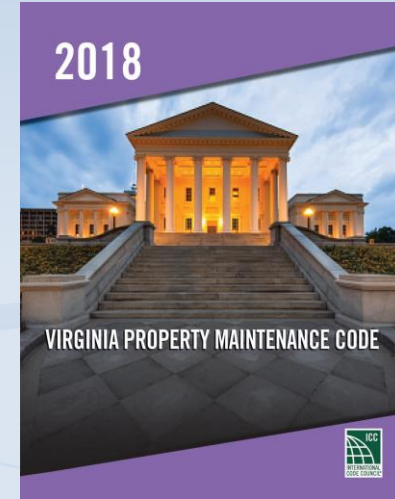
Virginia USBC Part I and IECC



VECC - C405.9.2 Escalators and moving walks

- Adds alternative means to comply with energy efficiency provisions
- Power factor controller may be used in lieu of speed reduction capability

Virginia USBC Part III and IPMC



VIRGINIA MAINTENANCE CODE

No significant changes noted
for elevator-related provisions

Questions?

