





Topics

- Administration, Chapters 1 and 2
- Building Planning, Chapters 3 through 6
- Fire Protection, Chapters 7 through 9
- Means of Egress, Chapter 10
- Accessibility, Chapter 11
- Building Envelope, Structural Systems and Construction, Chapters 12 through 26
- Building Services, Special Devices, and Special Conditions, Chapters 27 through 34



Selection of Topics

- Provisions addressed based primarily on:
 - Frequency of application
 - Special significance
 - Change in application



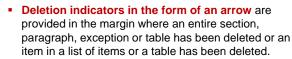
Letter Designations in Front of Section Numbers

- In each code development cycle, proposed changes to the code are considered at the Code Development Hearings.
- Proposed changes to a code section that has a number beginning with a letter in brackets are considered by a different code development committee.



Marginal Markings within the International Building Code

Solid vertical lines in the margins within the body of the code indicate a technical change from the requirements of the 2015 edition.



 A single asterisk [*] placed in the margin indicates that text or a table has been relocated within the code.

A double asterisk [**] placed in the margin indicates that the text or table immediately following it has been relocated there from elsewhere in the code.



Letter Designations in Front of IBC Section Numbers

- The content of sections in this code that begin with a letter designation is maintained by another code development committee:
- [A] = Administrative [EB] = International **Code Development Existing Building** Committee: Code Development
- Committee; [E] = International [F] = International Fire Energy
 - **Conservation Code** Development Committee; Committee:
 - [FG] = International Fuel Gas Code

Development Committee;

2018 IBC Significant Changes

[P] = International **Code Development Plumbing Code** Development Committee.

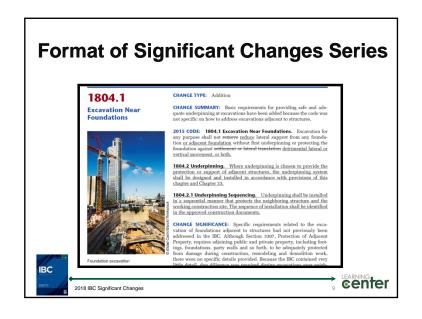
[M] = International

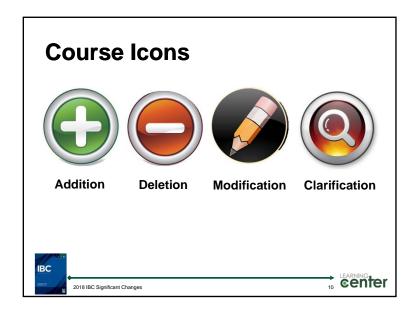
Mechanical Code

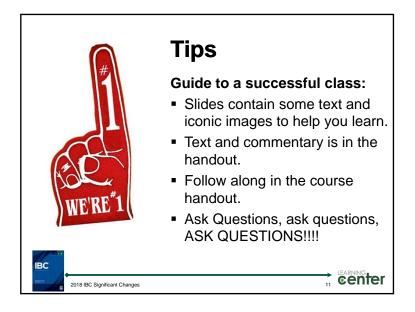
Development

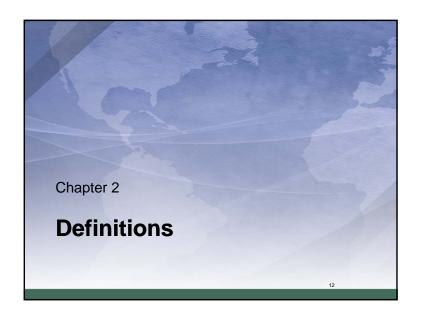
Committee; and

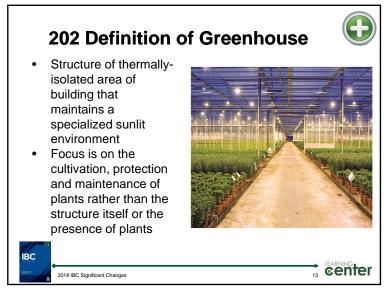
center

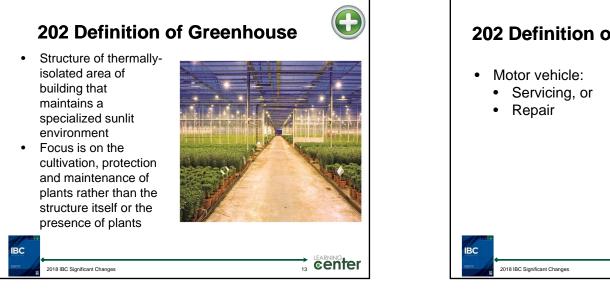


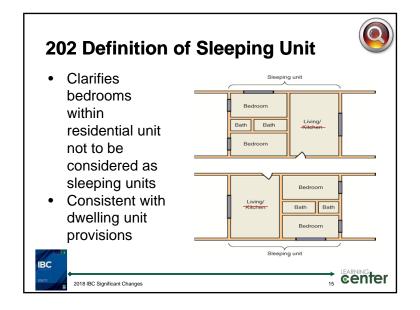




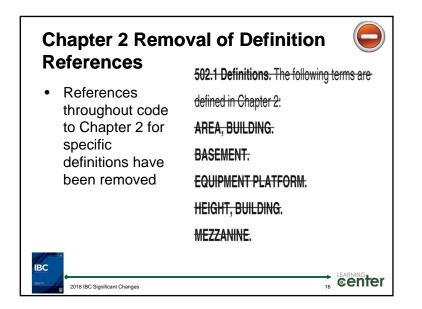


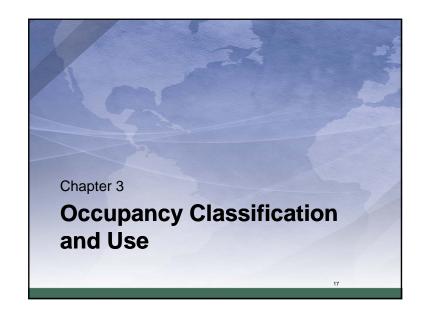


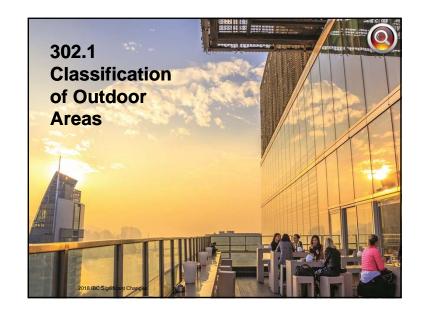


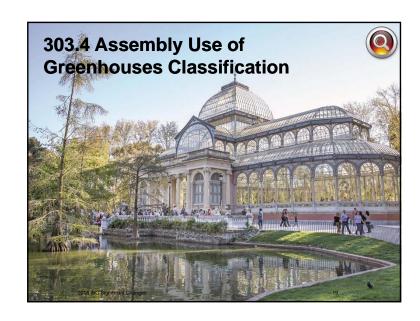
















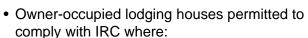
- facilities with 16 or fewer occupants to be classified as Group R-3, including:
 - Dormitories
 - Fraternity and sorority houses
 - Convents
- Group R-3 lodging houses to now have 5 or fewer guest rooms and 10 or fewer occupants



2018 IBC Significant Changes



310.4.2 Owner-Occupied Lodging Houses



- 5 or fewer guest rooms, and
- 10 or fewer total occupants



311.1.1 Classification of Accessory **Storage Rooms**

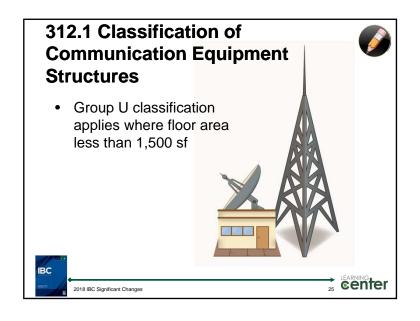
• Room or space used for storage accessory to another occupancy to be classified as part of that occupancy

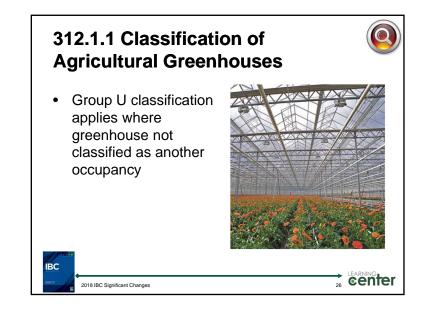


2018 IBC Significant Changes

center

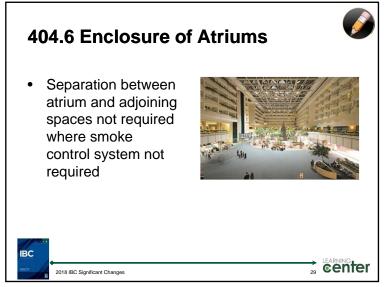




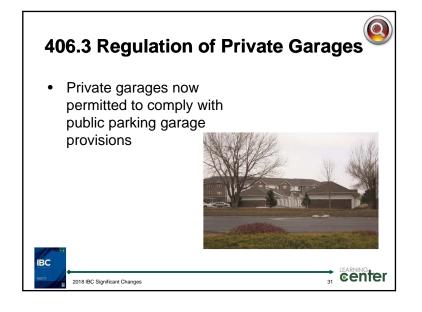


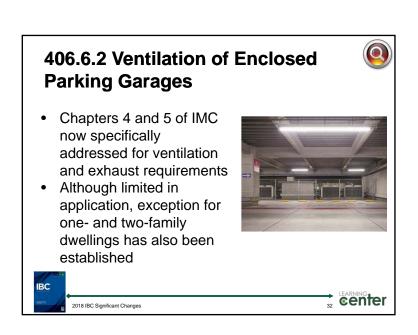


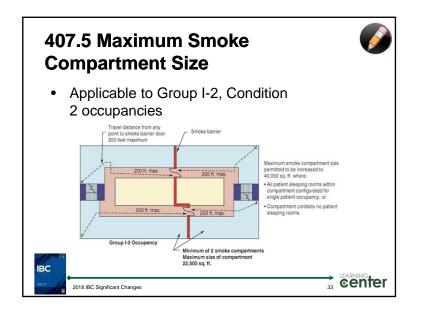


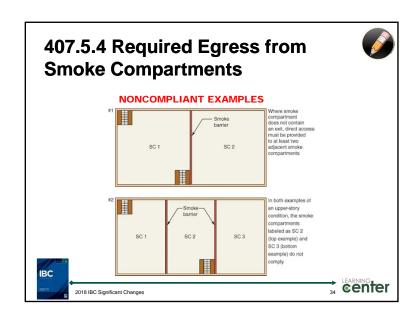


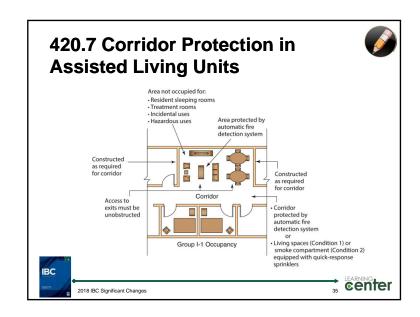


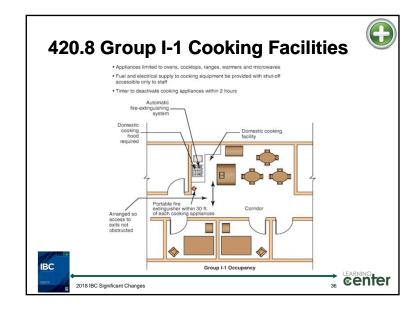










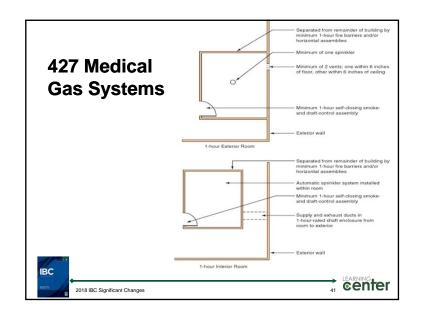




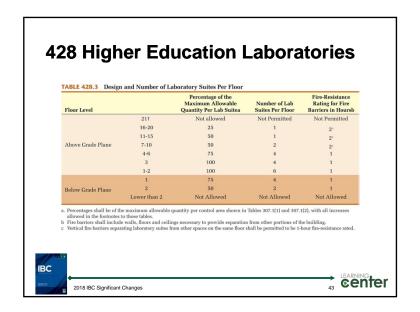


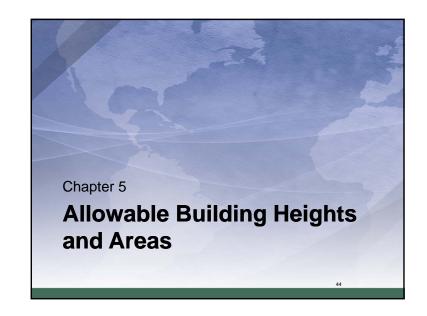


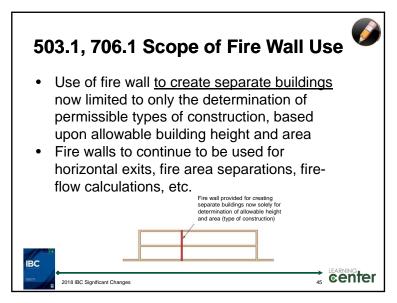


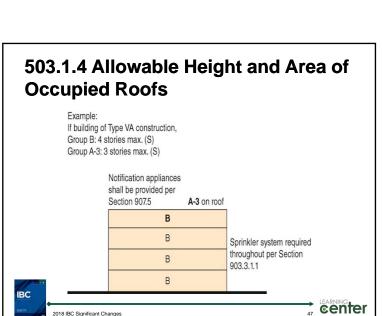






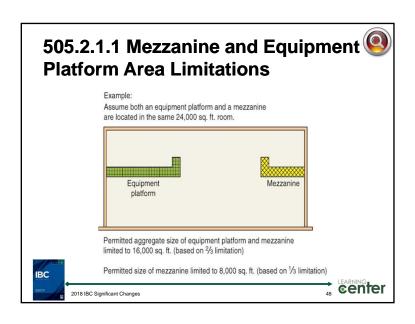






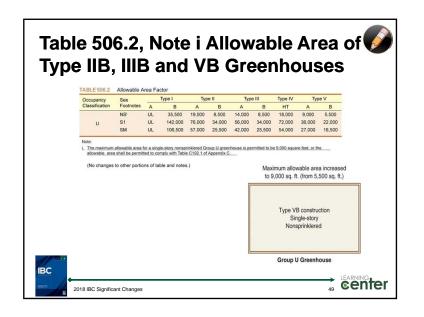
503.1.4 Allowable Height and Area of Occupied Roofs Allowable area and height of occupied roofs now addressed Area not to be included in building area Height (in stories) regulated based on uppermost story (unless exception applied) • Enclosures of occupied roofs limited to 48 inches in height above roof deck, except for: Penthouses, towers, spires, etc.

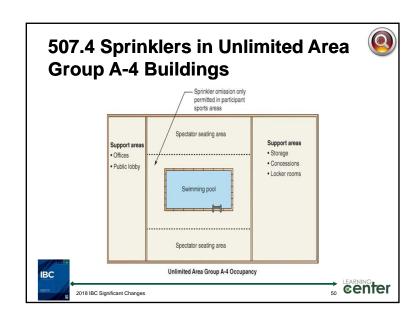
2018 IBC Significant Changes

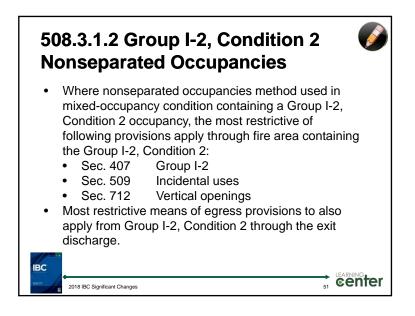


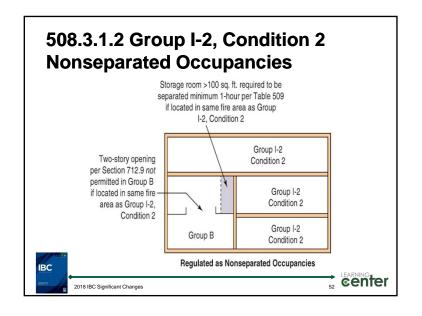
√ center

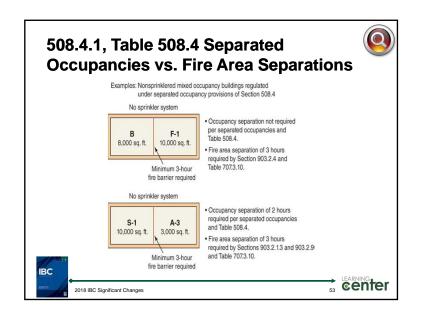
2018 IBC Significant Changes

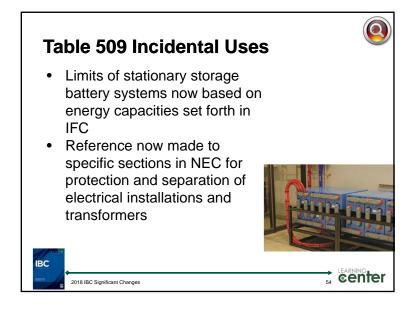


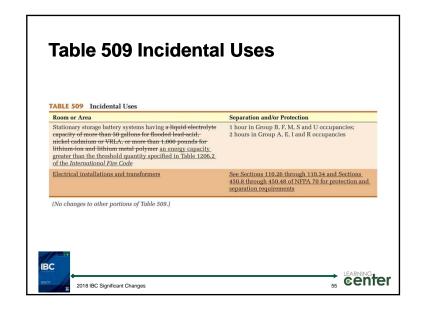


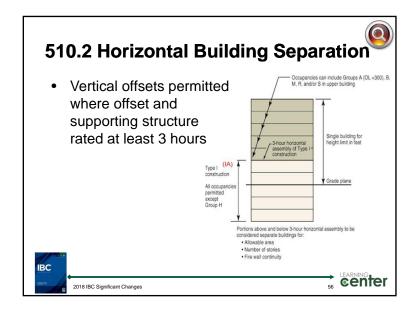


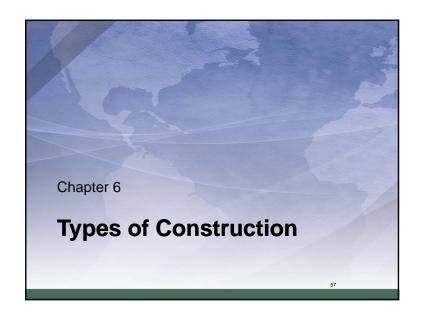


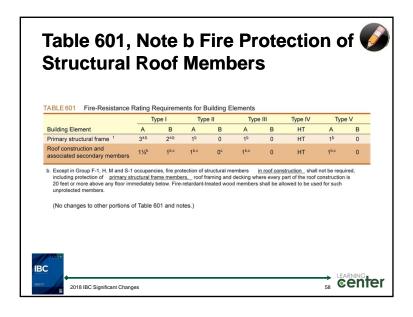


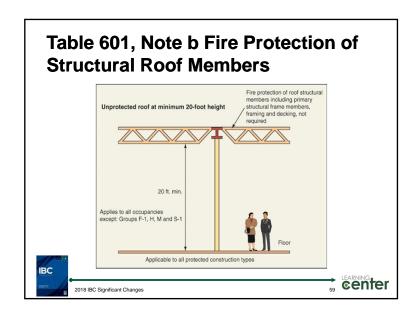


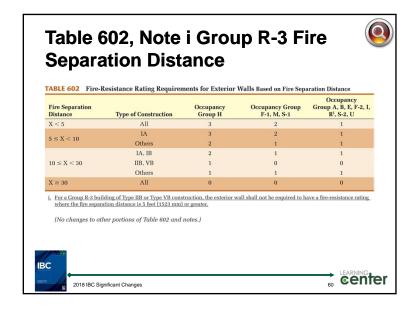




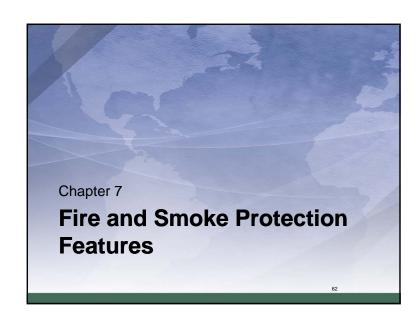


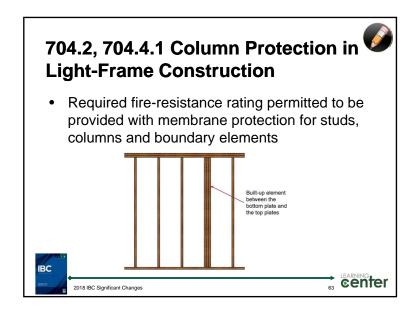


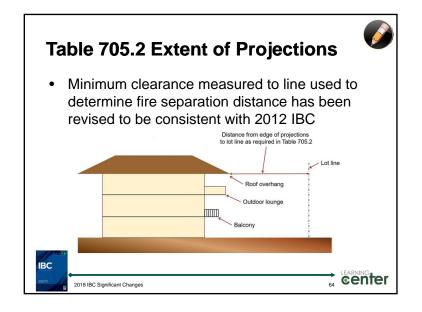


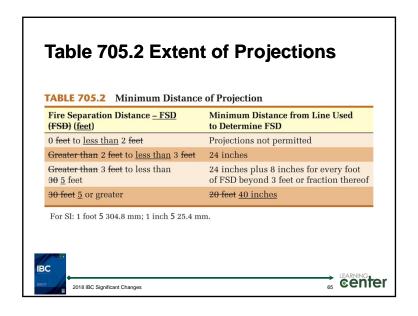


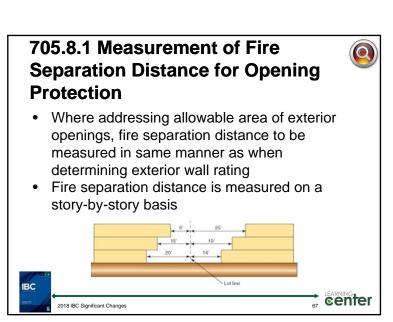












705.2.3, 705.2.3.1, 705.2.4 Combustible Balconies, Projections, and Bay Windows Provisions relocated from Section 1406 (Combustible Materials on the Exterior Side of Exterior Walls) Plastic composites now permitted to be installed in guard components where untreated wood allowed

706.1.1 Party Walls Not Constructed as Fire Walls

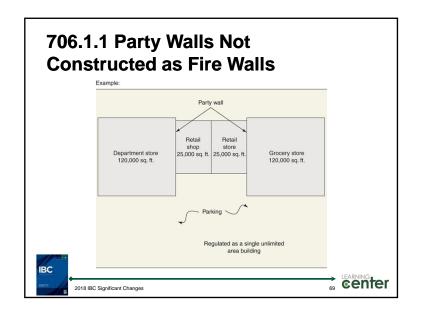


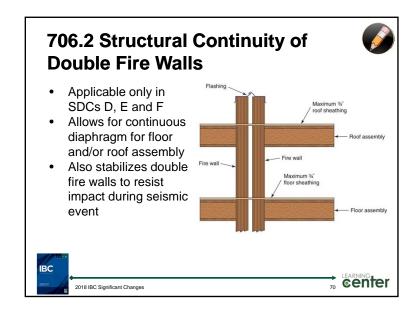
- Fire walls not required on lot lines dividing a building for ownership purposes where:
 - Aggregate height and area do not exceed maximum requirements
 - Dedicated access easements and contractual agreements are provided to allow access for purposes of maintaining fire and life safety systems necessary for building operation
 - Subject to review and approval by building official

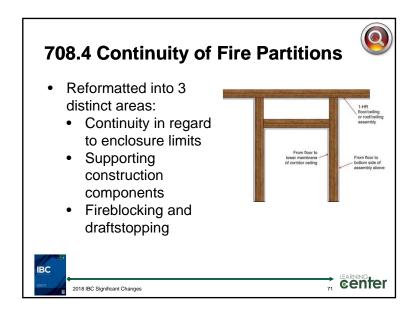


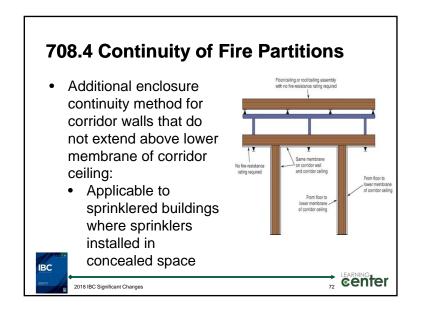
2018 IBC Significant Changes

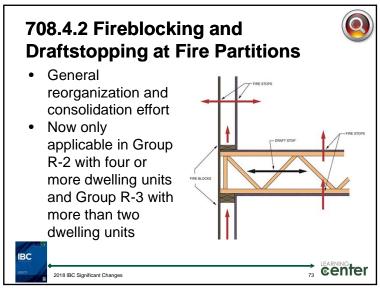
center

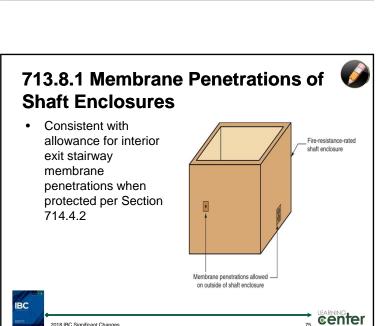




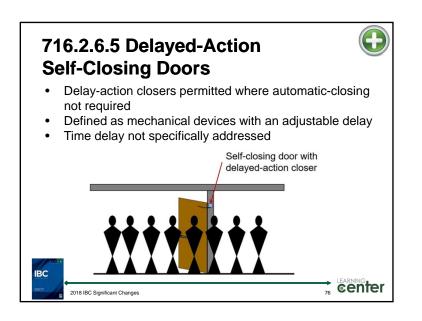




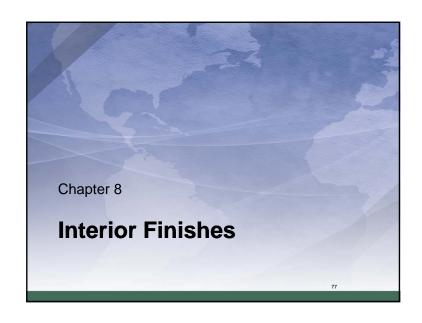








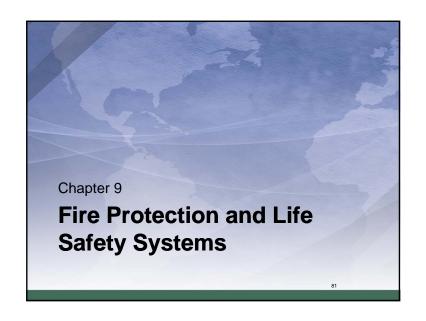
2018 IBC Significant Changes

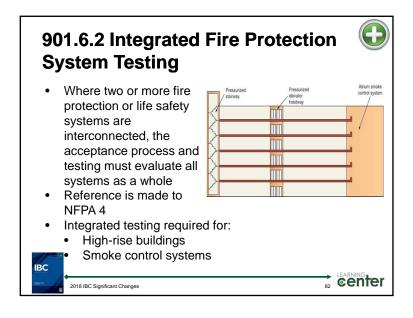




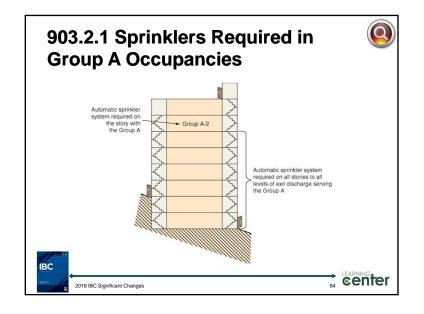












903.2.3 Sprinklers in Group E Occupancies



- Sprinkler protection now also required for Group E occupancies where fire area:
 - Located on a floor other than the level of exit discharge, or
 - Has an occupant load of 300 or more





2018 IBC Significant Changes



903.3.1.1.2 Omission of Sprinklers in Group R-4 Bathrooms



 Group R-4 now included with other residential occupancies where sprinkler protection not required in small bathrooms



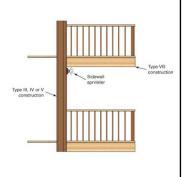


2018 IBC Significant Changes

• center

903.3.1.2.1 Sprinkler Protection at Balconies and Decks

 Allowance previously in Section 1406.3 for extension of sprinkler protection to exterior balconies in order to be of nonrated Type V construction has been relocated





2018 IBC Significant Changes

→ LEARNING 87 **©ente**r

903.3.1.2.3 Protection of Attics in Group R Occupancies



- Additional sprinkler protection or acceptable alternative methods now required for attics in multi-family occupancies equipped with an NFPA 13R system
- Applicable where roof assembly more than 55 feet above LLFDA
- Method of determining height of roof assembly established as greatest of:
 - · Eave of highest pitched roof

Top of highest parapet

Intersection of highest roof to exterior wall



2018 IBC Significant Changes

* center

903.3.1.2.3 Protection of Attics in Group R Occupancies

- Methods of protection include:
 - Provide sprinkler protection
 - Construct attic of noncombustible materials
 - Construct attic of FRT wood
 - Fill attic with noncombustible insulation

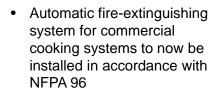




2018 IBC Significant Changes



904.12 Commercial Cooking Operations



 Where automatic water mist systems are used, they shall comply with NFPA 750





2018 IBC Significant Changes



🕏 center

904.13 Domestic Cooking Protection in Institutional and Residential Occupancies

- Automatic fire-extinguishing system now required at required hood over any domestic cooktop or range in:
 - Group I-1 occupancies
 - Group R-2 college dormitories
- As alternative, burners tested and listed to prevent ignition of cooking oil permitted

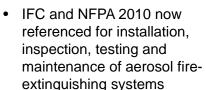


IBC

2018 IBC Significant Changes

÷ center

904.14 Aerosol Fire Extinguishing Systems

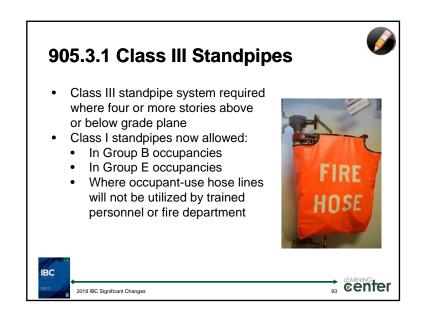


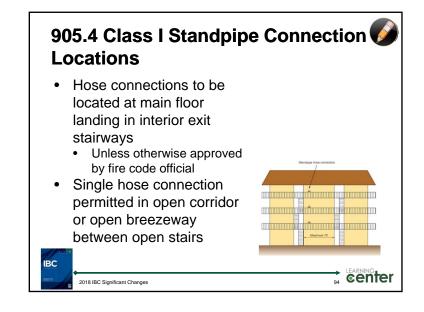
 Previously recognized in ICC-ES Acceptance Criteria and resulting evaluation report

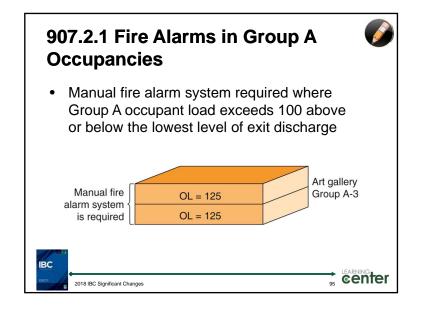


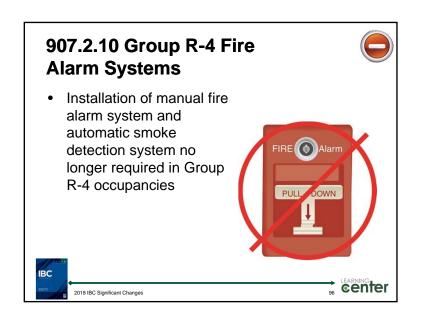
IBC

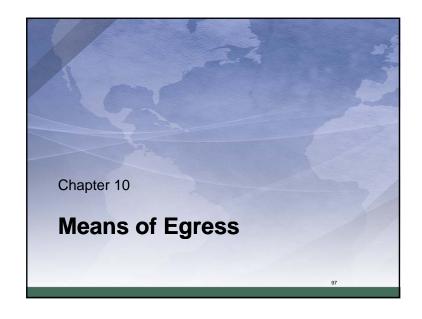
2018 IBC Significant Changes

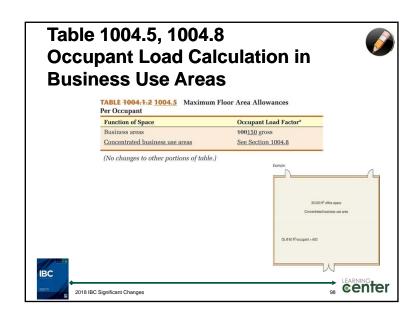


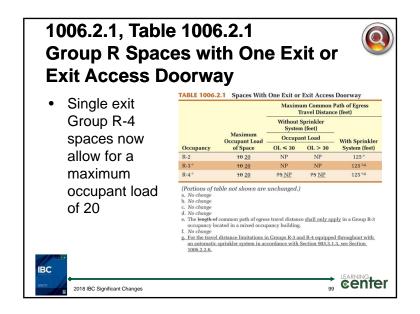


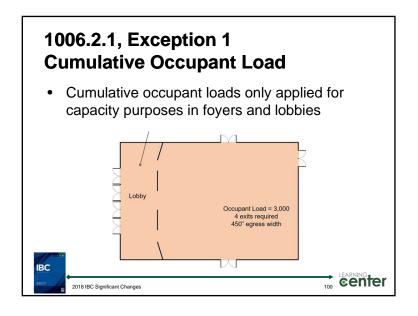


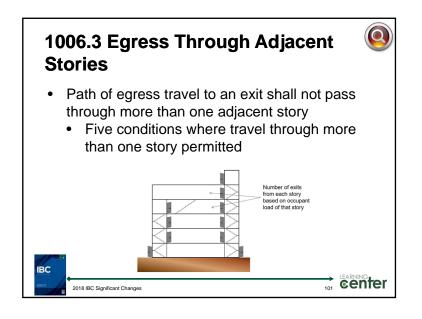


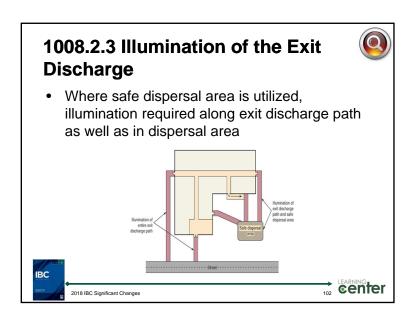


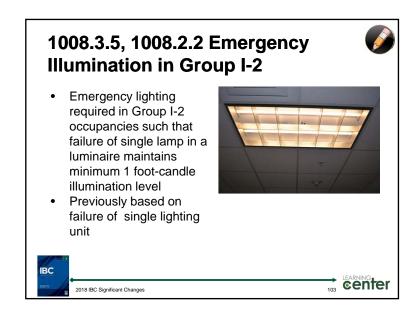


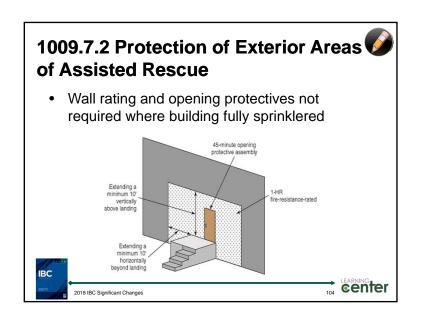


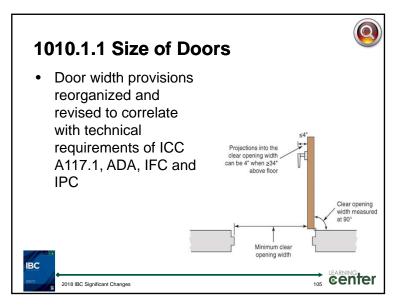


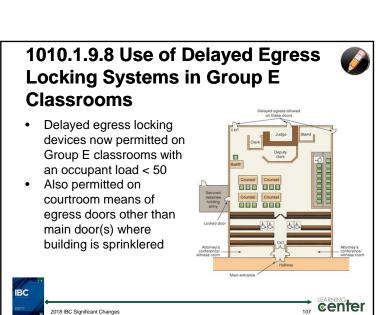


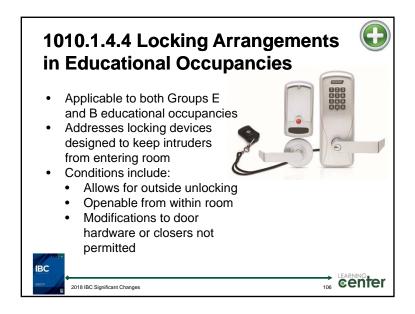


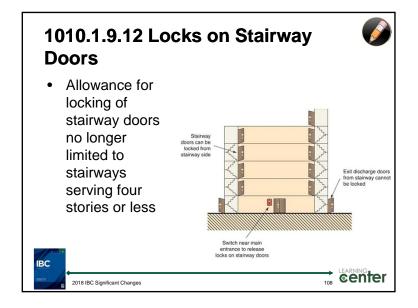


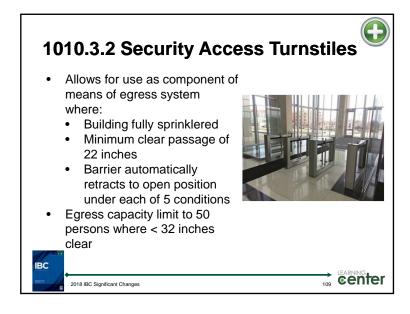






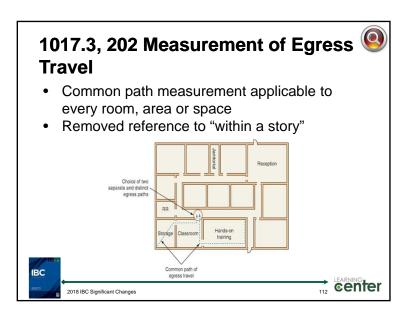


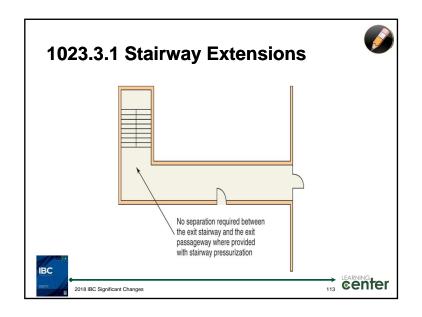


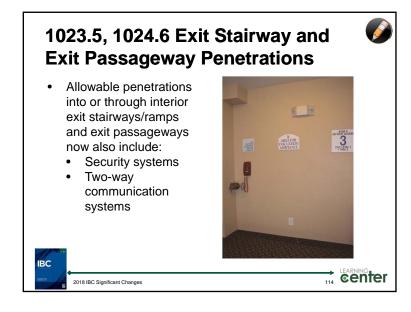




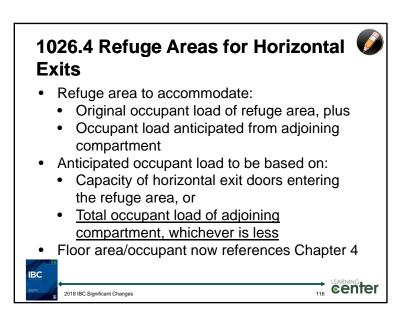


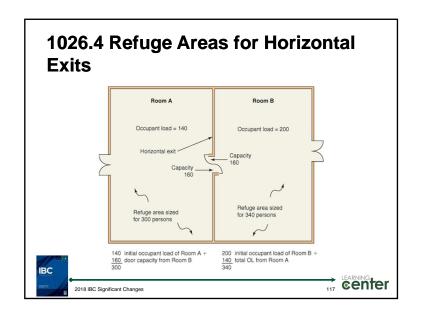


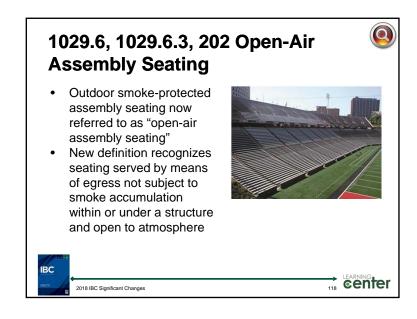


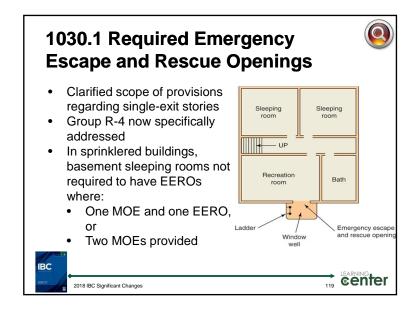


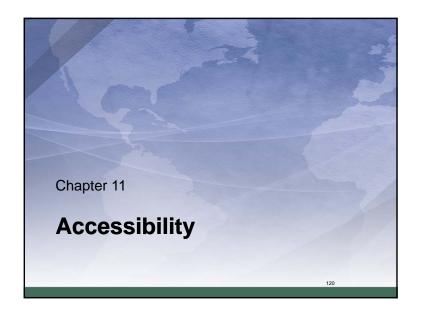


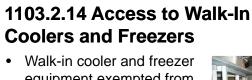












 walk-in cooler and freezer <u>equipment</u> exempted from accessibility provisions where accessed <u>only</u> from work areas

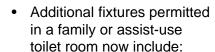




2018 IBC Significant Changes



1109.2.1.2 Fixtures in Family or Assisted-Use Toilet Rooms



- Child-height water closet
- · Child-height lavatory
- Provides additional accommodation on an optional basis





2018 IBC Significant Chang



1109.15 Access to Gaming Machines and Gaming Tables

- Access to gaming areas in casinos and similar facilities now regulated separately for:
 - Gaming machine type
 - · Gaming table type
- Requirement for front approach at gaming machines and gaming tables deleted



2018 IBC Significant Changes





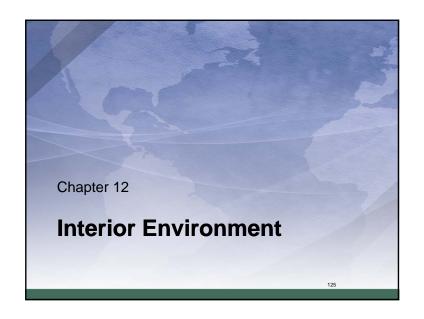
1110.4.13 Access to Play Areas for Children

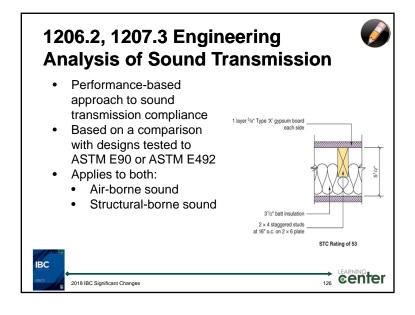
 Play areas containing children's play components to be located on accessible route

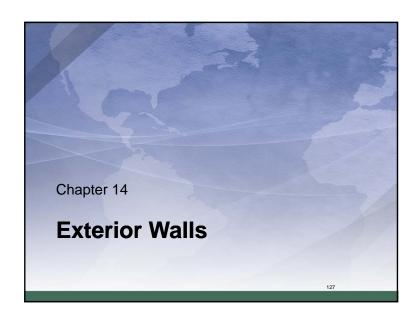


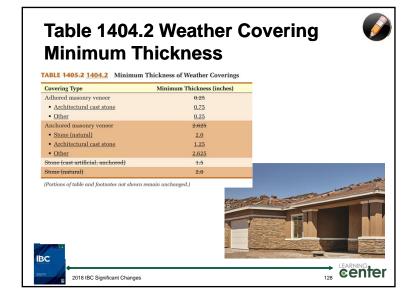
2018 IBC Significant Changes

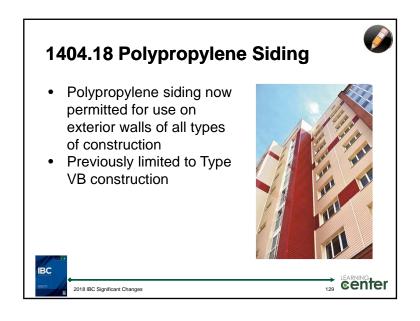
DEARNING TER

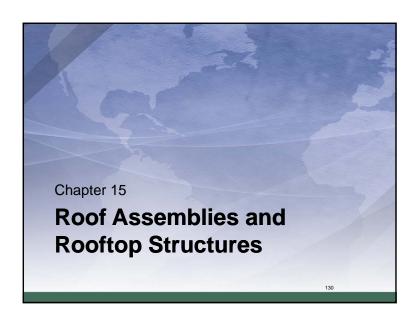




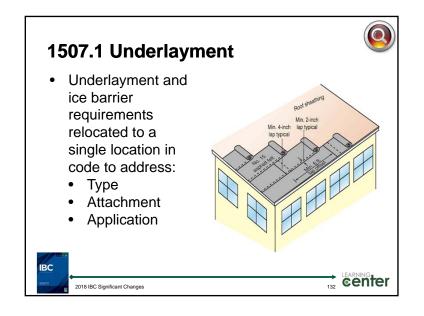


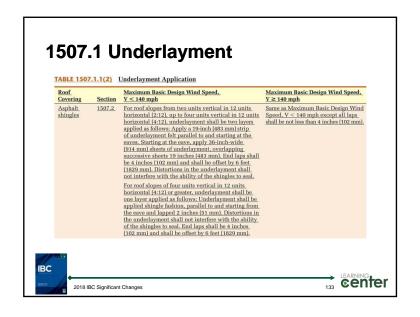


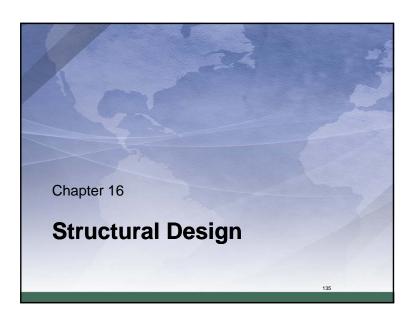


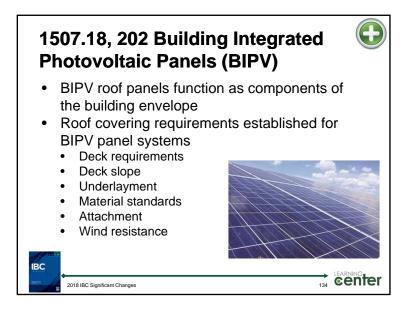




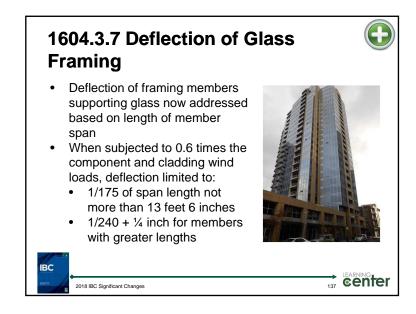


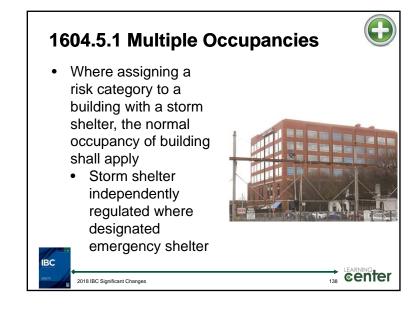




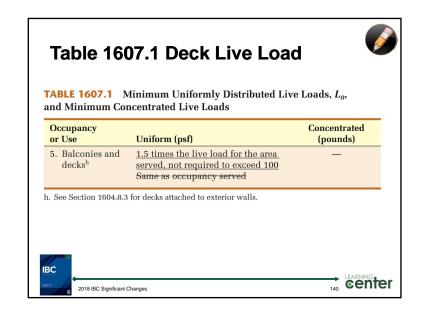


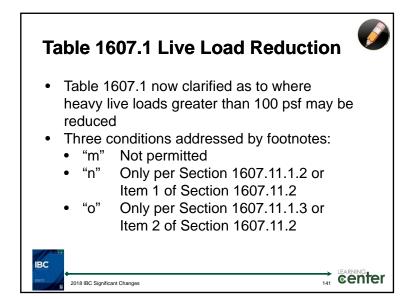


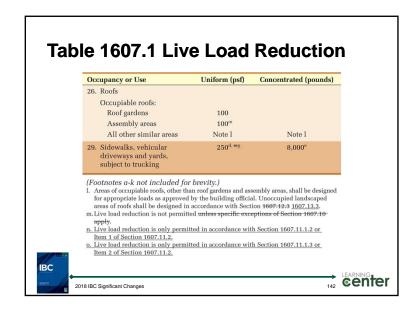




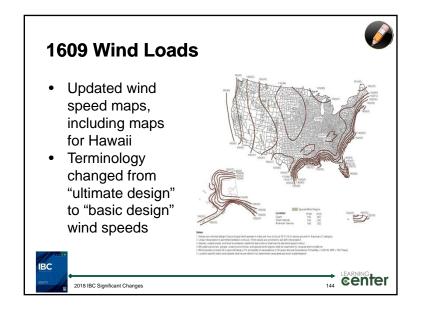


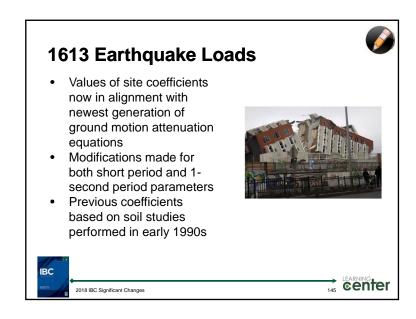


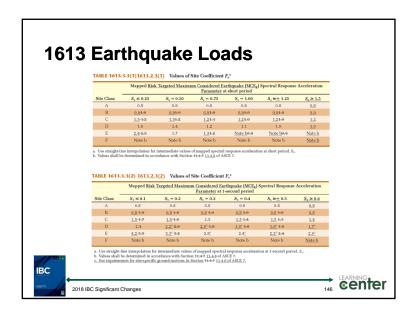


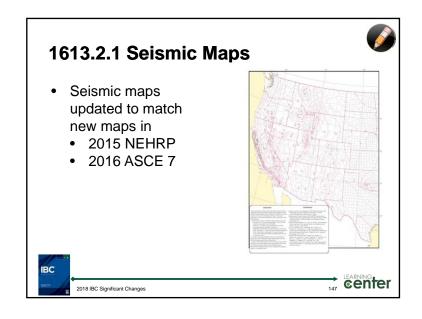


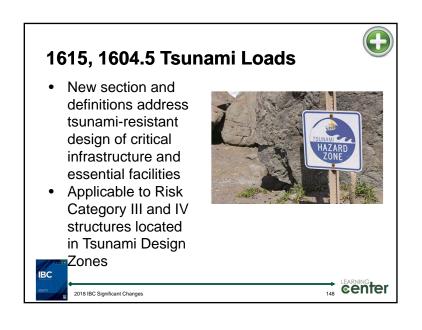


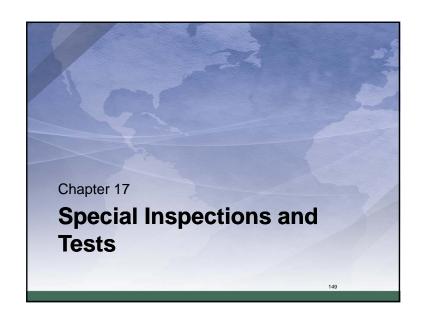




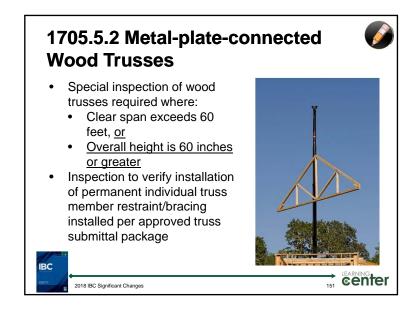


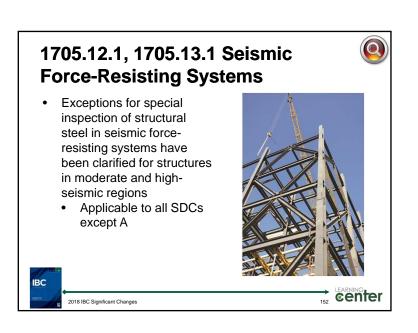


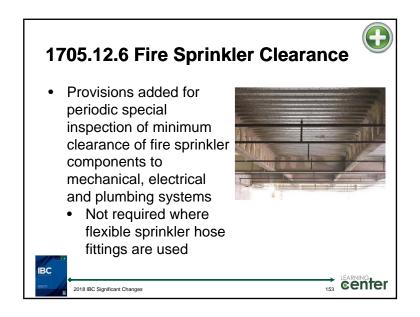


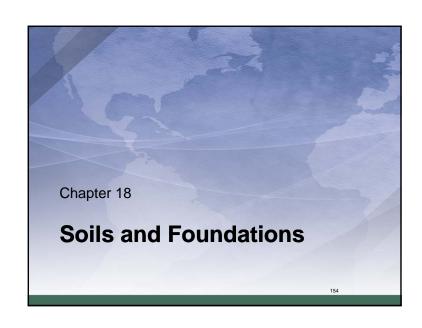








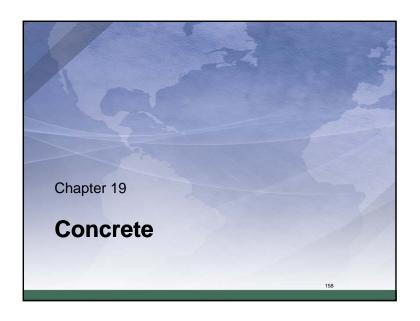


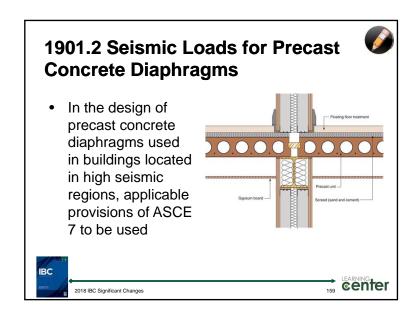


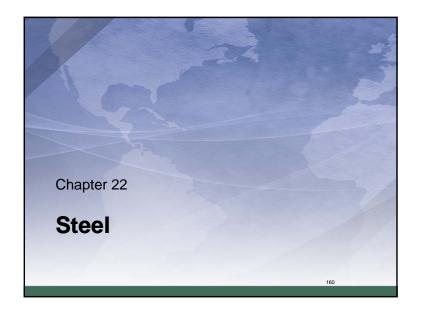








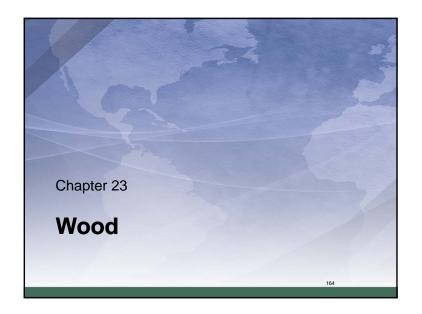






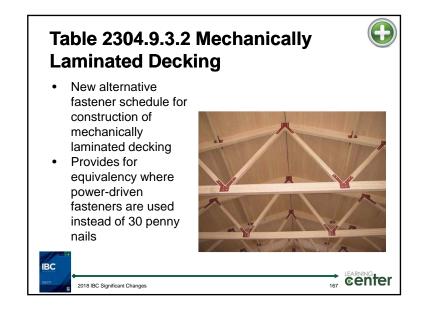


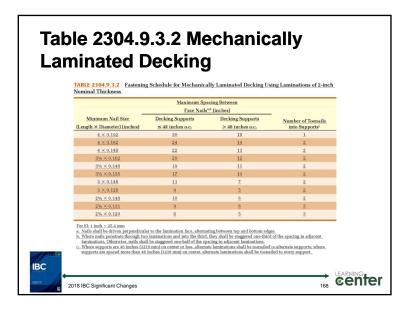




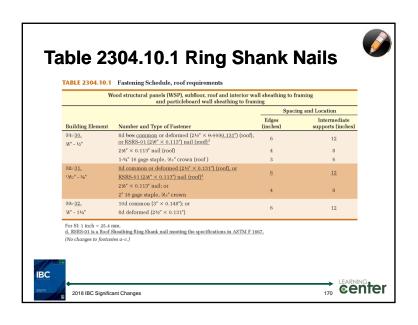






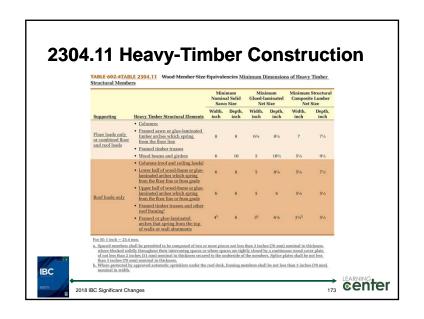


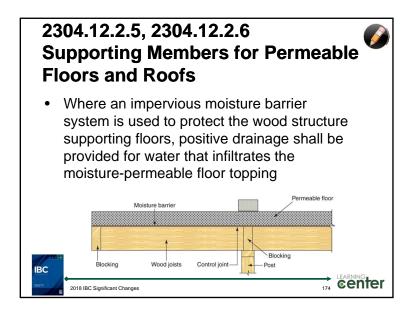


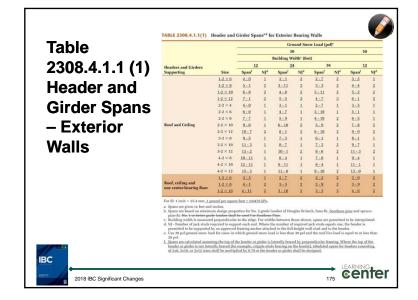


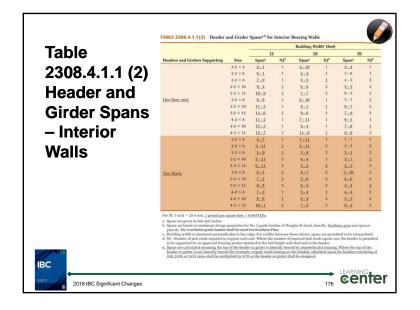








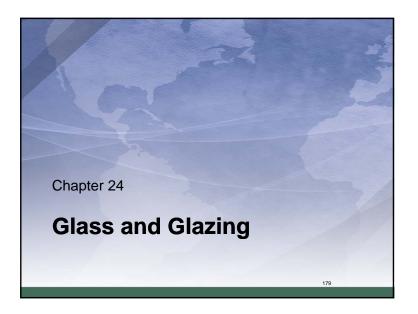


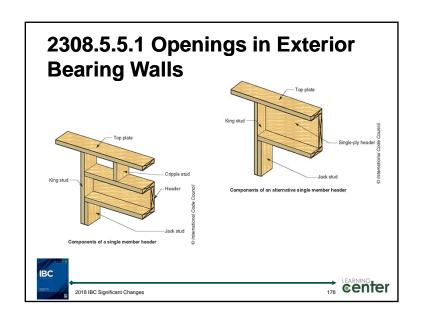


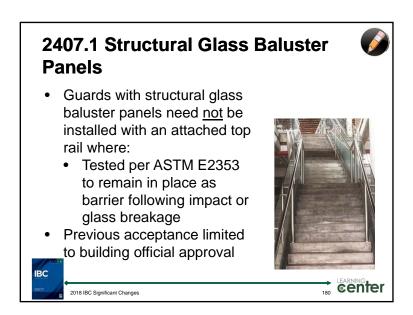
2308.5.5.1 Openings in Exterior Bearing Walls

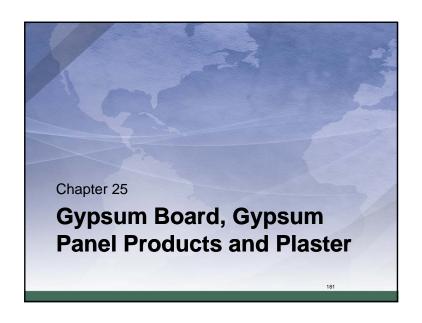
- Single member headers now permitted under conventional light-frame construction provisions of Section 2308
- Typically limited to spans of two to four feet as set forth in Table 2308.4.1.1(1)
- Increases energy efficiency by allowing for a greater thickness of cavity insulation

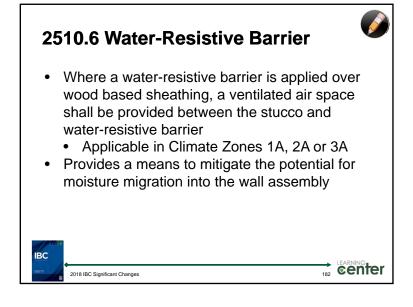


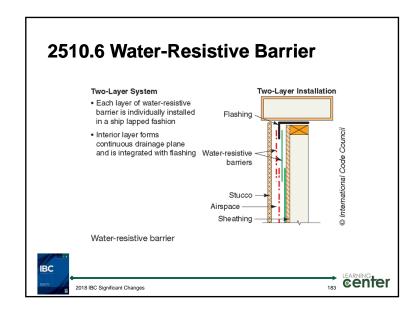


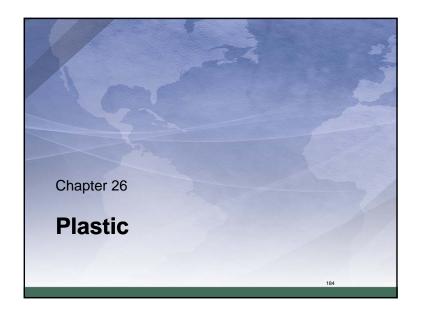


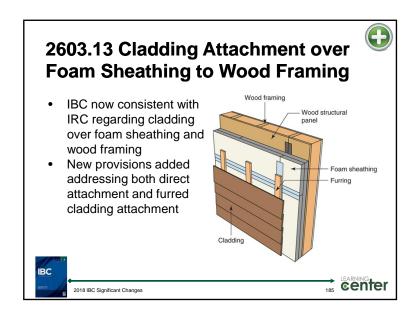


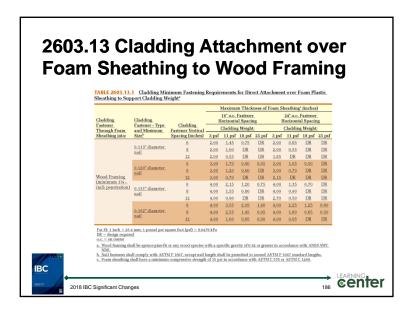


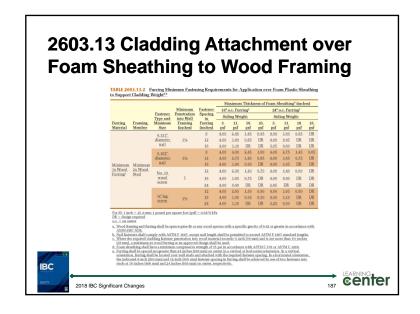


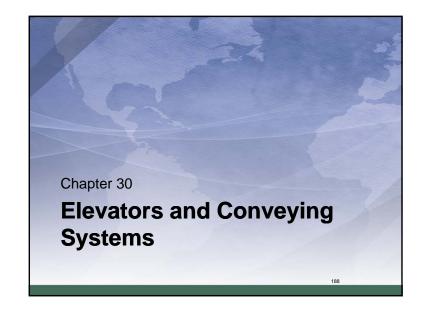




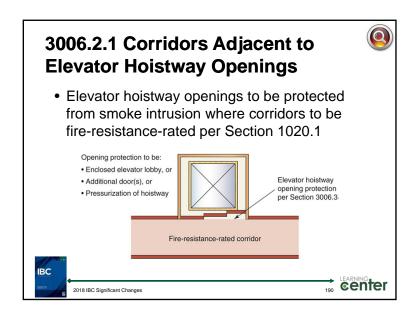


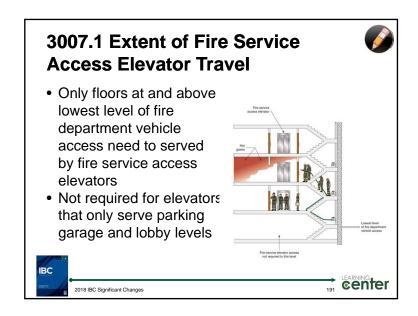


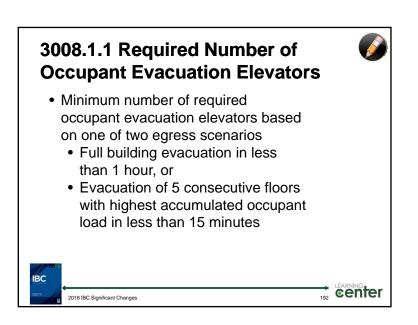


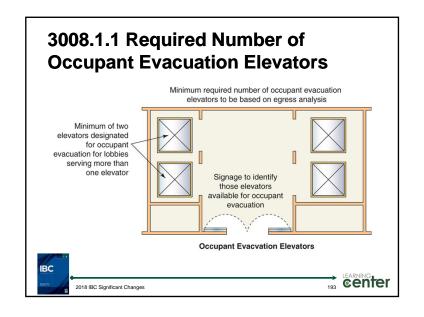


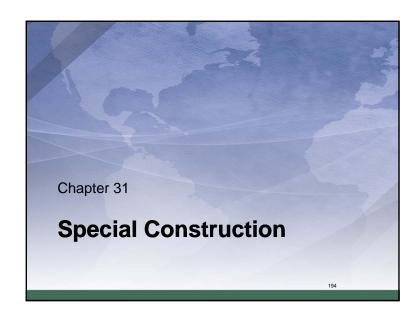




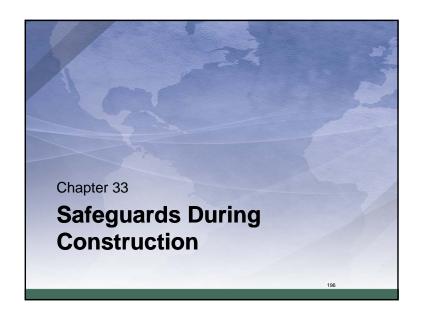




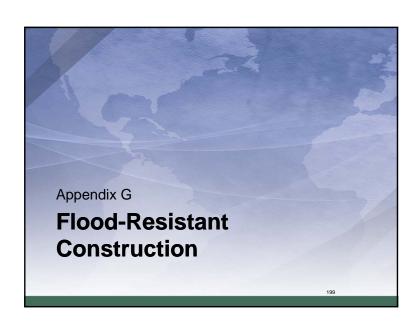




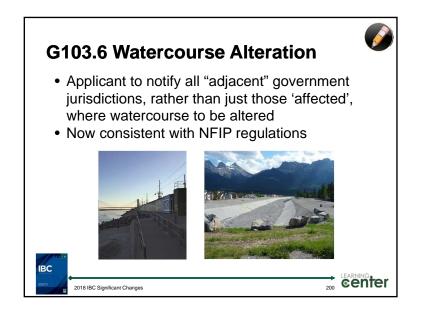


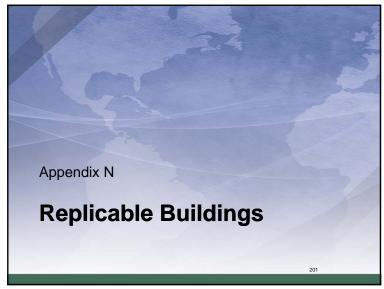




















Final Reflection

This slide will help the learner to reflect on the day and what they will take back to the job and apply.

- What? What happened and what was observed in the training?
- So what? What did you learn? What difference did this training make?
- Now what? How will you do things differently back on the job as a result of this training?



International Code Council is a Registered Provider with The American Institute of Architects Continuing Education Systems. Credit earned on completion of this program will be reported to CES Records for AIA members. Certificates of Completion for non-AIA members are available on request.

This program is registered with the AIA/CES for continuing professional education. As such, it does not include content that may be deemed or construed to be an approval or endorsement by the AIA of any material of construction or any method or manner of handling, using, distributing, or dealing in any material or product. Questions related to specific materials, methods, and services will be addressed at the conclusion of this presentation.



Copyright Materials

This presentation is protected by US and International Copyright laws. Reproduction, distribution, display and use of the presentation without written permission of the speaker is prohibited.

© International Code Council 2018



Thank you for participating

To schedule a seminar, contact:

The ICC Training & Education Department 1-888-ICC-SAFE (422-7233) Ext. 33818

or

E-mail: Learn@iccafe.org

