Description

- Overviews the changes from the 2012 to the 2015 IBC.
- Identifies changes in organization and code requirements and the applicability of these requirements to design, plan review and inspection.

Goal

- The goal is to familiarize building officials, fire officials, plans examiners, inspectors, design professionals, contractors, and others in the construction industry with many of the important changes in the 2015 International Building Code® (IBC®).
2015 IBC Update

Objectives
Upon completion of this seminar, participants will be better able to:
 Identify the most significant differences between the 2012 IBC and the 2015 IBC.
 Explain the differences between the current and previous edition.
 Identify key changes in organization and code requirements.

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

General Issues
Chapter 1 Scope and Administration

111.1 Change of Use of Occupancy

- A change in a building’s use, or a portion of a building’s use, with no change in its occupancy classification now requires that a new certification of occupancy be issued by the building official.

202 Private Garage

CHANGE TYPE: Addition

- 202. Private Garage. A building or portion of a building in which motor vehicles used by the tenants of the building or buildings on the premises are stored or kept, without provisions for repairing or servicing such vehicles for profit.

Chapter 3 Use and Occupancy Classification

304.1 Food Processing Facilities and Commercial Kitchens

- 304.1 Business Group B. Business Group B occupancy includes, among others, the use of a building or structure, or a portion thereof, for office, professional or service-type transactions, including storage of records and accounts. Business occupancies shall include, but not be limited to, the following:...
- (Added) Food processing establishments and commercial kitchens not associated with restaurants, cafeterias and similar dining facilities not more than 2500 square feet (232 m²) in area.
Chapter 3 Use and Occupancy Classification

304.1 Training and Skill Development Facilities

- Business Group B occupancy includes, among others, the use of a building or structure, or a portion thereof, for office, professional or service-type transactions, including storage of records and accounts. Business occupancies shall include, but not be limited to, the following: …
- (Added) Training and skill development not in a school or academic program (this shall include, but not be limited to, tutoring centers, martial arts studios, gymnastics and similar uses regardless of the ages served, and where not classified as a Group A occupancy).

308.3 Groups I-1 Occupancy Classification

- The uses permitted in a Group I-1 custodial care facility have been expanded to include care recipients who may need a limited degree of verbal or physical assistance if responding to a fire or other emergency situation.

308.4 Group I-2 Occupancy Classification

- Two basic conditions of Group I-2 medical care uses that have previously been regulated together as a single category have been created, dividing the classification into short-term care facilities, such as hospitals, and long-term care facilities, such as nursing homes.
Chapter 3 Use and Occupancy Classification

310.6 Group R-4 Lodging Houses

- The uses permitted in a Group R-4 custodial care facility have been expanded to include care recipients who may need a limited degree of verbal or physical assistance while responding to a fire or other emergency situation.

Chapter 3 Use and Occupancy Classification

311.11 Classification of Accessory Storage Spaces

- Storage rooms less than 100 square feet in floor area are not to be classified as Group S, but rather as the same occupancy as the portion of the building to which they are accessory.

Chapter 4 Special Detailed Requirements Based on Use and Occupancy

404.9, 404.10 Egress Travel through an Atrium

- The three distinct travel distance conditions that could potentially occur for areas open to an atrium are now each addressed individually in order to clarify their application.
Chapter 4 Special Detailed Requirements Based on Use and Occupancy

### 406.3.1 Private Garage Floor-Area Limitation

- A Group U private garage is now limited to a maximum floor area of 1000 square feet; however, multiple Group U private garages are permitted in the same building where they are compartmentalized by minimum 1-hour fire separations.

---

### 406.3.1 Private Garage Floor-Area Limitation

- Each Group U private garage limited to 1000 sq. ft.
- Minimum 1-hour fire barriers (typical)

---

Chapter 4 Special Detailed Requirements Based on Use and Occupancy

### 407.2.5 Group I-2 Shared Living Spaces

- Shared living spaces, group meeting areas, and multipurpose therapeutic spaces are now permitted to be open to corridors in Group I-2, Condition 1 nursing homes provided five specific conditions are met.
407.2.6 Group I-2 Cooking Facilities

A room or space containing a cooking facility with domestic cooking appliances is now permitted to be open to the corridor in a Group I-2, Condition 1 nursing home provided 13 specific conditions are met.

407.5 Maximum Size of Group I-2 Smoke Compartments

The maximum allowable smoke compartment size for Group I-2, Condition 2 hospitals and similar occupancies has been increased to 40,000 square feet.

423.3 Storm Shelters Serving Critical Emergency Operations Facilities

The construction of complying storm shelters is now required in critical emergency operations facilities where such facilities are located in geographical areas where the shelter design wind speed for tornadoes is at its highest.
Chapter 4 Special Detailed Requirements Based on Use and Occupancy

423.4 Storm Shelters Serving Group E Occupancies

- Storm shelters are now required in Group E occupancies located in those areas of the United States where the shelter design wind speed for tornadoes is at its highest.

Chapter 5 General Building Heights and Areas

503 General Building Height and Area Limitations

- The provisions regulating building height and area limitations have been extensively revised with no change in technical application in order to provide an increased degree of user-friendliness and technical consistency.

Chapter 5 General Building Heights and Areas

Tables 504.3, 504.4 Building Height and Number of Stories

Note UL = Unfired; YE = Buildings not equipped throughout with an automatic sprinkler system; E = Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.

Only a portion of Table 504.3 is shown above.
Chapter 5 General Building Heights and Areas

Tables 504.3, 504.4 Building Height and Number of Stories Above Grade Plane

<table>
<thead>
<tr>
<th>Occupancy Classification</th>
<th>Type I</th>
<th>Type II</th>
<th>Type III</th>
<th>Type IV</th>
<th>Type V</th>
</tr>
</thead>
<tbody>
<tr>
<td>21-1</td>
<td>NS</td>
<td>U</td>
<td>3</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>21-2</td>
<td>NS</td>
<td>U</td>
<td>11</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>21-3</td>
<td>NS</td>
<td>U</td>
<td>11</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

Table 509 Incidental Uses

- A more detailed analysis of various support spaces within a healthcare or ambulatory care facility is now possible due to modifications to Table 509 regulating incidental uses.

Chapter 5 General Building Heights and Areas

510.2 Horizontal Building Separation

- In the special provisions of Section 510.2 addressing pedestal buildings, there is no longer a limit of one story above grade plane for that portion of the structure that occurs below the 3-hour horizontal separation.
510.2 Horizontal Building Separation

Cross-laminated timber is now permitted within the exterior walls of Type IV buildings where protected by one of three specified materials.

Chapter 6 Types of Construction

602.4.2 Cross-Laminated Timber in Exterior Walls

Cross-laminated timber is now permitted within the exterior walls of Type IV buildings where protected by one of three specified materials.

Chapters 7 through 9

Fire Safety
Chapter 7 Fire and Smoke Protection Features

2015 IBC Update

705.2 Projections at Exterior Walls

- The minimum required separation between the leading edge of a projection and the line used to determine the fire separation distance has been modified in a manner that provides for a significant increase in the separation required.

Chapter 7 Fire and Smoke Protection Features

2015 IBC Update

705.2 Projections at Exterior Walls

<table>
<thead>
<tr>
<th>TABLE 705.2 Minimum Distance of Projection</th>
<th>Minimum Distance from Line Used to Determine FSD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Separation Distance (FSD)</td>
<td>Projections not permitted</td>
</tr>
<tr>
<td>0 feet to less than 2 feet</td>
<td></td>
</tr>
<tr>
<td>Greater than 2 feet to less than 5 feet</td>
<td>24 inches</td>
</tr>
<tr>
<td>Greater than 5 feet to less than 30 feet</td>
<td>40 inches + 21 inches + 6 inches for every foot of FSD beyond 3 feet or fraction thereof</td>
</tr>
<tr>
<td>30 feet or greater</td>
<td>20 feet</td>
</tr>
</tbody>
</table>

For SI 1 foot = 304.8 mm; 1 inch = 25.4 mm.

Chapter 7 Fire and Smoke Protection Features

2015 IBC Update

705.2.3 Combustible Projections

- Combustible projection to be:
  - Minimum 1-hour construction, or
  - Type IV Heavy Timber construction, or
  - Fire-resistant treated wood, or
  - As required by Section 1406.3

Lot line
705.3 Buildings on the Same Lot

2015 2012
Modification

Chapter 7 Fire and Smoke Protection Features

2015 2012
Modification

706.2 Structural Stability of Fire Walls
- The reference to NFPA 221 for fire wall design and construction has been expanded to permit the use of the "tied" and "cantilevered" options addressed in the standard.

Chapter 7 Fire and Smoke Protection Features

2015 2012
Modification

711, 712 Horizontal Assemblies and Vertical Openings
- The reorganization of Sections 711 and 712 has been continued such that Section 711 now contains only the construction requirements for floor and roof assemblies, and Section 712 only contains the requirements related to the protection of vertical openings.
Chapter 7 Fire and Smoke Protection Features

711, 712 Horizontal Assemblies and Vertical Openings

Section 711 regulates the construction of floor and roof assemblies.
Section 712 regulates the vertical openings in floor and roof assemblies.

2015 IBC Update 2012

Chapter 7 Fire and Smoke Protection Features

2015 2012 Modification

714.4.2 Membrane Penetrations

- Where the double top plates of a wall interrupt the ceiling membrane of a horizontal assembly, the wall must now be sheathed only with Type X gypsum wallboard. The wall will not require a fire-resistance rating unless needed due to some other code requirement.

714.4.2 Membrane Penetrations

Ceiling membrane protection interrupted by double top plates

- or 2-hour horizontal assembly

Penetrating items through top plates must be protected per Section 714.4.1.1 or 714.4.1.2
Wall sheathed with:
- Type X gypsum wallboard
- No fire-resistance rating required by Exception 7
- Wall may require rating based on other Sections such as 711.3.3

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#1000PDF15 13
Chapter 7 Fire and Smoke Protection Features

717.1.1 Ducts Transitioning between Shafts

- Ducts are now expressly allowed to exit a shaft, transition horizontally, and then enter another shaft without continuous shaft construction.

Chapter 9 Fire Protection Systems

903.2.1.6 Sprinkler Systems—Assembly Occupancies

- An automatic sprinkler system is now required to be installed in a building when the roof is used for a Group A-2 assembly occupancy with an occupant load exceeding 100, as well as for other Group A occupancies where the occupant load exceeds 300.

903.2.1.7 Multiple Fire Areas

- Where small Group A fire areas share a common means of egress, the occupant load of the spaces must now be added together to determine if a sprinkler system is required.
903.2.8 Sprinkler Systems—Group R Occupancies

- Sprinkler requirements for Group R-4 occupancies are now dependent on the capabilities of the occupants. In buildings where occupants require limited assistance when responding to an emergency condition, additional sprinkler protection is required for attic spaces.
Chapter 9 Fire Protection Systems

203.3.1.2.2 Open-Ended Corridors

- Clarity: 2012

Chapter 9 Fire Protection Systems

203.3.8 Limited Area Sprinkler Systems
- Additional restrictions have been placed on limited area sprinkler systems, including a reduction in the system size to a maximum of six sprinklers within a single fire area.

903.3.8 Limited Area Sprinkler Systems
- Limited area sprinkler systems shall not exceed 4 sprinklers in any area.
Chapter 9 Fire Protection Systems

904.13 Domestic Cooking Systems in Group I-2 Condition 1

- Requirements for domestic appliances installed within commercial facilities but used only for domestic cooking have been clarified, including provisions for an appropriate fire-extinguishing system for domestic cooking equipment in nursing homes, assisted living facilities and similar buildings.

904.13 Domestic Cooking Systems in Group I-2 Condition 1

- The threshold for alarm systems in Group E occupancies has been increased such that a manual fire alarm is required where the occupant load exceeds 50, and an emergency voice/alarm communication (EVAC) system must only be provided where the occupant load exceeds 100.
Chapter 9 Fire Protection Systems

907.2.11.3, 907.2.11.4 Smoke Alarms Near Cooking Appliances and Bathrooms

- Requirements from the NFPA 72 standard addressing the installation of smoke alarms near cooking appliances and bathrooms have been introduced to the IBC in order to provide direct guidance on the placement of smoke alarms.

907.2.11.3, 907.2.11.4 Smoke Alarms Near Cooking Appliances and Bathrooms

- Viable alternatives to the general elevator hoistway pressurization requirements are now available where pressurization is provided in lieu of an enclosed elevator lobby or an additional door.

Chapter 9 Fire Protection Systems
909.21.1 Elevator Hoistway Pressurization, Exception 1, 2

- Exception 1:
  Elevator landing
- Exception 2:
  Elevator lobby

Pressure permitted to be measured between hoistway and residential vertical shafts only for elevator adjacent to hoistway.

Exceptions 1 and 2 to pressurization requirement.

909.21.1 Elevator Hoistway Pressurization, Exception 3, 4

- Exhibit A:
  Hoistway pressure measured relative to outdoor atmosphere on other floors.
- Exhibit B:
  Pressure differential shall be regulated at elevator lobby level (Exception 4).

Chapter 9 Fire Protection Systems

<table>
<thead>
<tr>
<th>2015</th>
<th>2012</th>
<th>Modification</th>
</tr>
</thead>
</table>
| 910  |      | 910 Smoke and Heat Removal

- The format and technical requirements for smoke and heat removal systems have been revised, including a new allowance permitting a mechanical smoke removal system as an alternative to smoke and heat vents.
910 Smoke and Heat Removal

Option to use:
- Manually activated mechanical smoke removal systems
- Must be sprinklered building
- Automatic roof vent
- Only option available for non-ventilated high-ceil ceiling storage
- Draft curtain provision (not required)
- Mechanical smoke removal not required if:
  - Controlled special application
  - Group I-3 storage
  - Quick response (HR1, HR2)
  - Able to control with 12 or fewer sprinklers

Vent time calculation:
- Depends on whether sprinklers provided
- No minimum vent size

Chapter 9 Fire Protection Systems

2015 Carbon Monoxide Detection

2015 2012

Modification

- The carbon monoxide (CO) alarm provisions have been relocated, reformatted and revised; the scope has been modified to exclude Group I-3 occupancies while adding Group E occupancies.

Chapter 10

Means of Egress
Chapter 10 Means of Egress

2015 IBC Update

Chapter 10 Means of Egress

2015 2012

<table>
<thead>
<tr>
<th>Modification</th>
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</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

- Provisions addressing the minimum required number of means of egress and their arrangement for rooms and space as well as stories have been reformatted and relocated.

- Section 1015.1006 Numbers of Exits and Exit Access Doorways
- Section 1021.1024 Number of Exits and Exit Configuration
- Section 1007 Exit and Exit Access Doorway Configuration
- Section 1009.1009 Accessible Means of Egress

Chapter 10 Means of Egress

2015 2012

<table>
<thead>
<tr>
<th>1007.1 Exit and Exit Access Doorway Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

- It has been clarified that a two-way communication system may serve multiple elevators and that the systems are not required at service elevators, freight elevators or private residence elevators.

Chapter 10 Means of Egress

2015 2012

<table>
<thead>
<tr>
<th>1009.8 Two-Way Communication Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

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Chapter 10 Means of Egress

1010.1.9 Door Operations—Locking Systems

- Numerous revisions throughout the locking provisions now help clarify requirements and their application through the use of consistent terminology.

1016.2, 1020.6 Egress through Intervening Spaces and Corridor Continuity

- A means of egress is now permitted through an elevator lobby provided access to at least one exit is available without passing through the lobby.
Chapter 10 Means of Egress

1017.2.2 Travel Distance Increase for Groups F-1 and S-1

- An increased exit access travel distance is now permitted for Groups F-1 and S-1 occupancies where specific requirements are met.

### TABLE 1016.2 1017.2 Exit Access Travel Distance

<table>
<thead>
<tr>
<th>Occupancy</th>
<th>Without Sprinkler System (feet)</th>
<th>With Sprinkler System (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A, E, F-1, M, R, S-1</td>
<td>230</td>
<td>210</td>
</tr>
<tr>
<td>F-2, S-2</td>
<td>350</td>
<td>400</td>
</tr>
</tbody>
</table>

For ≤ 5 ft = 152.4 mm.

Section 412.8 For the distance limitations in aircraft manufacturing facilities.
Section 1017.2 For increased distance limitation in Groups F-1 and S-1.
Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.1.1 or 903.1.2. See Section 903 for occupancies where automatic sprinkler systems are permitted in accordance with Section 903.1.1.
Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.1.1.

### 1017.2.2 Travel Distance Increase for Groups F-1 and S-1

- General requirement:
  - Without sprinkler system: 200 feet
  - With sprinkler system: 250 feet

- Allowed by Section 1017.2.2 where:
  - Area using increase is limited to single story in height; and
  - Minimum height to ceiling is at least 9 ft, except a 6 ft, 8 in. ceiling is required throughout.

Chapter 10 Means of Egress

1029.13.2.1 Stepped Aisle Construction Tolerances

- Nonuniformness of rise shall be limited to 1/4 in. per 12 in. rise (per Section 1029.13.2.2 Exception 1).
- Construction tolerance:
  - Rise, run between steps are less than 2 m. depth.
  - Rise, run between adjacent treads. There are 32 ft. or less in depth.

- Designed equal rise height.
Chapter 11 Accessibility

1103.2.8 Areas in Places of Religious Worship

- Small areas used for religious ceremonies are now exempt from the access requirements.

Chapter 11 Accessibility

1107.3, 1107.4 Accessible Spaces and Routes

- The provisions for connecting all spaces within a building have been modified to clearly identify the distinction for those with a change of elevation between stories or mezzanines.
2015 IBC Update

**1107.6.1.1 Group R—Accessible Units**

**CHANGE TYPE: Modification**

- The method by which multiple buildings on a site are reviewed when determining the required number of Accessible units has been revised to consider building size in addition to the total number of units on the site.

**Building Envelope, Structural Systems, and Construction Materials**

- Chapters 12 through 26

**Chapter 14 Exterior Walls**

**1405.3 Vapor Retarders**

- The required types and locations appropriate for each class of vapor retarder have been revised to also indicate where certain vapor retarders are not allowed to be installed.
Chapter 16 Structural Design

1607.10.2 Alternative Uniform Live Load Reduction

The alternate live load reduction method has been corrected to be consistent with the original intent as it appeared in the Uniform Building Code (UBC).

1607.12 Roof Loads

CHANGE TYPE: Addition

The term “vegetative roof” has been defined in Section 202 and a reference to ASTM E 2397 has been added to Section 1607.

1607.12.5 Photovoltaic Panel Systems

Design requirements for roof structures supporting photovoltaic (PV) solar panels and modules have been added to Section 1607.
Chapter 16 Structural Design

1613.6 Ballasted Photovoltaic Panel Systems

- Seismic requirements for ballasted roof-mounted photovoltaic (PV) solar panels have been added to Section 1613.6.

Chapter 16 Structural Design

1613.5 Amendments to ASCE 7

- An amendment to the diaphragm anchorage requirements of Section 12.11.2 of ASCE 7 clarifies that the 2.5-to-1 aspect ratio applies to wood, wood structural panel or untopped steeldeck-sheathed subdiaphragms.

Chapter 17 Special Inspections and Tests

1705.2 Steel Construction

- The special inspection requirements for structural steel elements and cold-formed steel decks have been modified to coordinate the provisions with the new terminology used for structural steel elements within IBC Chapter 22, AISC 360 and the new SDI standard.
Chapter 17 Special Inspections and Tests

1705.2.3 Open Web Steel Joists and Joist Girders

- Special inspections are now required during the installation of open web steel joists and joist girders, and a new table specifies the type of inspection and applicable referenced standard.

Chapter 17 Special Inspections and Tests

1708.3.2 Static Load Testing

- Static load test requirements have been revised to clarify the intent, the arbitrary factor of two has been removed, and the method for testing components that carry dynamic loads has been specified. Differences influenced by load duration effects when testing wood elements are now also addressed.

Chapter 18 Soils and Foundations

1804.1 Excavation Near Foundations

- Basic requirements for providing safe and adequate underpinning at excavations have been added because the code was not specific on how to address excavations adjacent to structures.
Chapter 18 Soils and Foundations

1810.3 Design and Detailing

- Provisions addressing structural steel sheet piles have been added and the code provisions and standards related to steel deep foundation systems have been updated to clarify their intent.

Chapter 19 Concrete

1901.3 Anchoring to Concrete

- Sections 1908 and 1909 of the 2012 IBC, which contain the requirements for anchorage to concrete, have been deleted because they are obsolete and not consistent with current referenced standards. In their place, new provisions on anchoring to concrete have been added to the general provisions found in Section 1901.

1905.1.8 Modifications to ACI 318, Section 17.2.3

- Extensive modifications have been made to the concrete anchorage provisions of Section 1905.1.8 to maintain the intent regarding light-frame shear wall anchorage, while achieving consistency with Chapter 17 of the 2014 edition of ACI 318.
Chapter 22 Steel

2210 Cold-Formed Steel

- A new Steel Deck Institute (SDI) standard addressing the design and construction of composite concrete slabs and steel decks has been added to IBC Chapter 35.

Chapter 23 Wood

2303.1.4 Structural Glued Cross-Laminated Timber

- A new definition for a wood-based product identified as cross-laminated timber (CLT) has been added to Chapter 2. The new manufacturing standard ANSI/APA PRG 320 is now referenced in Chapter 23 and has been added to Chapter 35.

Chapter 23 Wood

2303.1.13 Engineered Wood Rim Board

- A new definition for engineered wood rim board has been added to Chapter 2 and two new standards are now referenced in Chapter 23 and have been added to Chapter 35.
Chapter 23 Wood

2308 Conventional Light-Frame Construction

- Section 2308, which contains prescriptive requirements for conventional wood frame construction, has been reformatted and reorganized in its entirety. Significant changes include the introduction of new designations for wall bracing methods similar to those in the IRC as shown in new Table 2308.6.3(1), and reformatted wall bracing requirements set forth in Table 2308.6.1.

Chapter 23 Wood

2308.7 Roof and Ceiling Framing

- Ceiling joist and rafter span tables from the IRC have been incorporated into the conventional construction provisions of the IBC.

Chapter 24 Glass and Glazing

2406.4.7 Safety Glazing Adjacent to Bottom Stair Landing

- The height criteria for regulating glazing at the landing at the bottom of a stair has been revised and the method for measuring the horizontal distance has been clarified, now generally requiring safety glazing if located less than 60 inches above the bottom landing of a stair.
2406.4.7 Safety Glazing Adjacent to Bottom Stair Landing

2015 IBC Update

Chapter 26 Plastic

2015 2012
Addition

- New definitions and applicable test standards now address the use of plastic composites for use as exterior deck boards, stair treads, handrails and guards.
Chapter 29
Plumbing Systems

2015 2012
Modification

2902.3 Public Toilet Facilities
- Limited-size quick-service tenant spaces are no longer required to provide toilet facilities for the public customers.

Chapter 30
Elevators and Conveying Systems

2015 2012
Deletion

3004 Elevator Hoistway Venting
- The elevator hoistway venting provisions of Section 3004 have been deleted; such hoistways are no longer required to be vented to the exterior.
### Chapter 30 Elevators and Conveying Systems

<table>
<thead>
<tr>
<th>2015</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Modification</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### 3006 Elevator Lobbies

- The elevator lobby requirements have been relocated from Section 713.14.1, where they were previously included with the general shaft enclosure requirements, to Chapter 30, which addresses elevators.

### 3006 Elevator Lobbies

![Diagram of elevator lobby]

- Protection of hoistway doors opening required. (See exceptions.)
- Options to provide indications above doors.
- Additional doors above the departmental lobby access.
- Egress from the lobby.
- Elevator

### Chapter 34 Existing Structures

<table>
<thead>
<tr>
<th>2015</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Deletion</strong></td>
<td></td>
</tr>
</tbody>
</table>

- Chapter 34 has been deleted from the IBC in its entirety, and existing buildings will now be solely regulated by the *International Existing Building Code* (IEBC).
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?

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