

### **Description**

- Overviews the changes from the 2012 to the 2015 IBC<sup>®</sup>.
  - 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®).



### **Objectives**

Upon completion of this seminar, participants will be better able to:

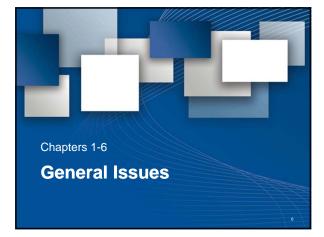
- Identify the most significant differences between the 2012 IBC and the 2015 IBC.
- Explain the differences between the current and previous edition.
- Identify key changes in organization and code requirements.



### **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





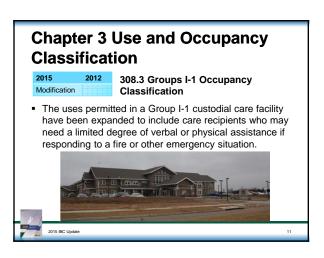
# Chapter 1 Scope and Administration 2015 2012 Modification 111.1 Change of Use of Occupancy - A change in a building's use, or a portion of a building's use, with no change in its occupancy classification now requires that a new certification of occupancy be issued by the building official.

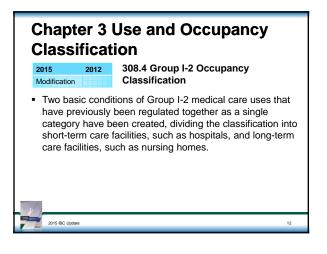
## 202 Private Garage CHANGE TYPE: Addition 202. Private Garage. A building or portion of a building in which motor vehicles used by the tenants of the building or buildings on the premises are stored or kept, without provisions for repairing or servicing such vehicles for profit.

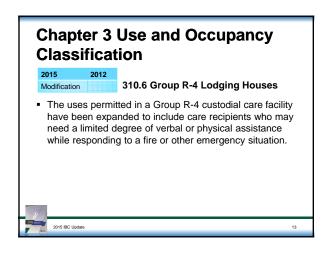
## Chapter 3 Use and Occupancy Classification 2015 2012 304.1 Food Processing Facilities and Commercial Kitchens - 304.1 Business Group B. Business Group B occupancy includes, among others, the use of a building or structure, or a portion thereof, for office, professional or service-type transactions, 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.

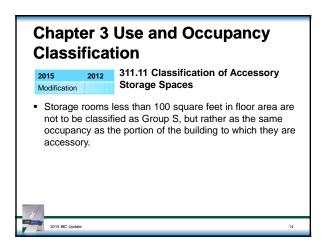
2015 IBC Significant Changes

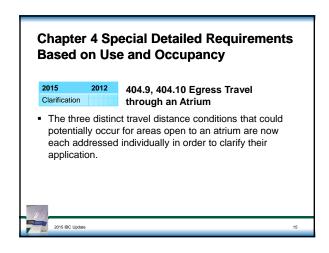
# Chapter 3 Use and Occupancy Classification 2015 2012 304.1 Training and Skill Development Facilities • Business Group B occupancy includes, among others, the use of a building or structure, or a portion thereof, for office, professional or service-type transactions, including storage of records and 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).



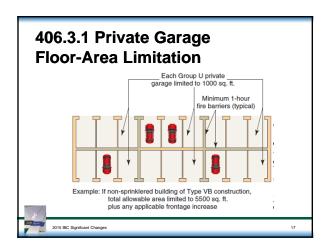


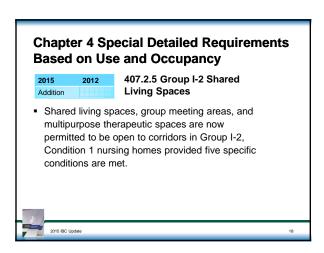


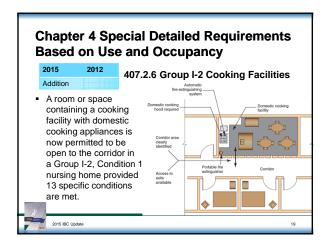


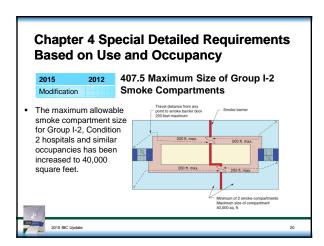


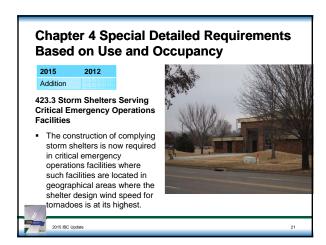
# Chapter 4 Special Detailed Requirements Based on Use and Occupancy 2015 2012 406.3.1 Private Garage Floor-Area Limitation • A Group U private garage is now limited to a maximum floor area of 1000 square feet; however, multiple Group U private garages are permitted in the same building where they are compartmentalized by minimum 1-hour fire separations.

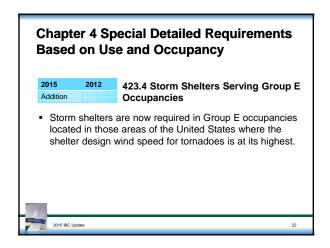


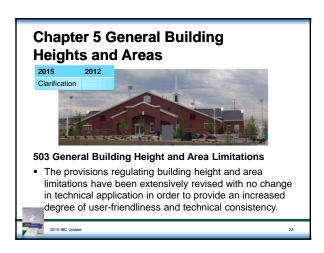


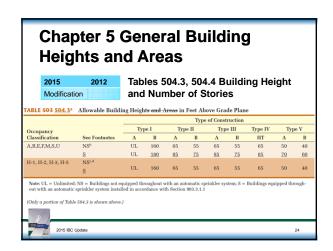


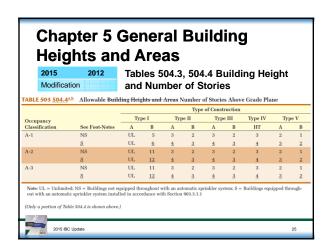


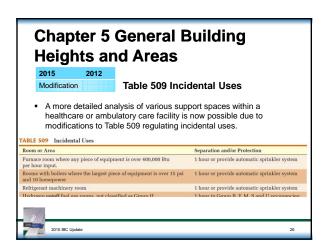


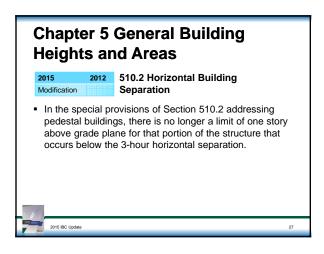


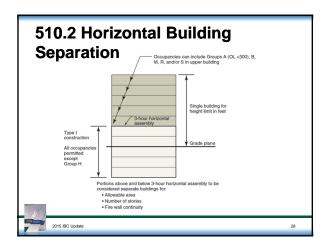


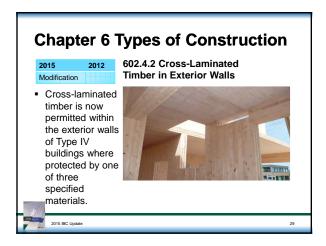


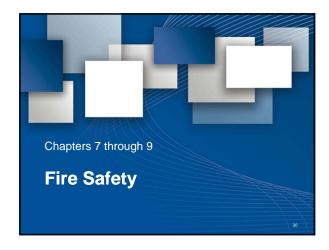


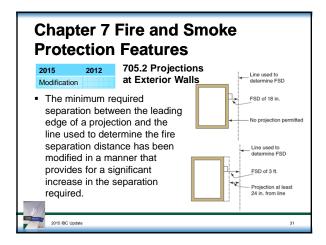


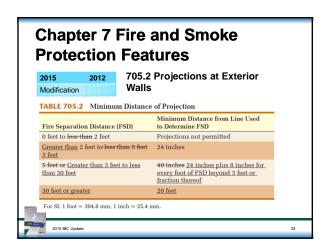


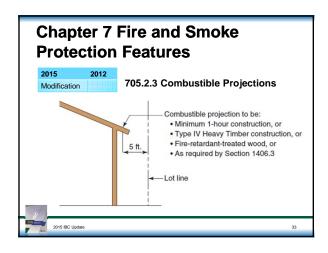


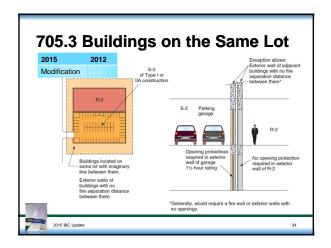


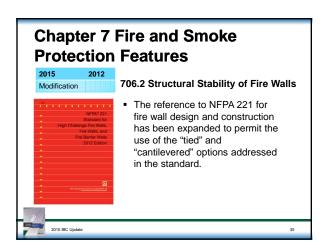


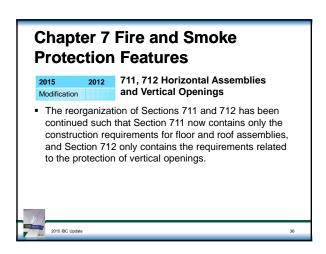


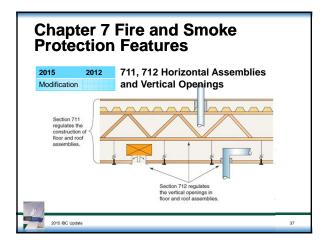


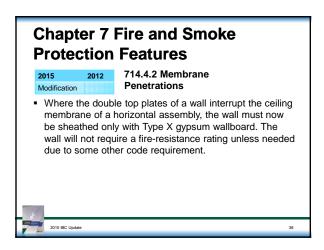


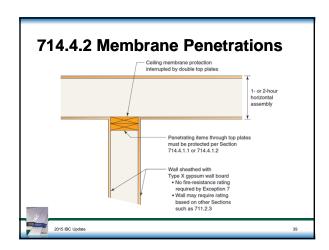


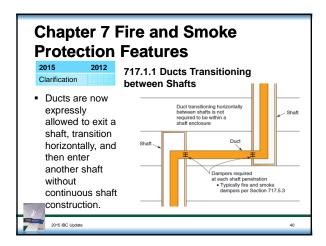


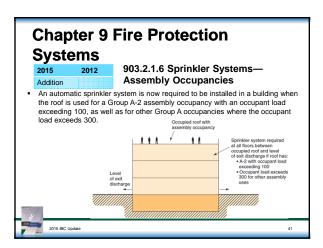


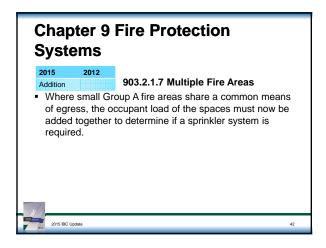


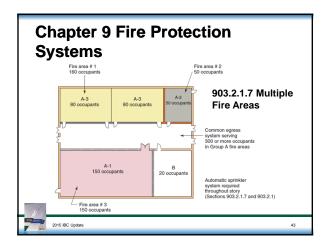


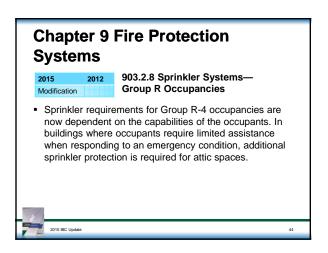


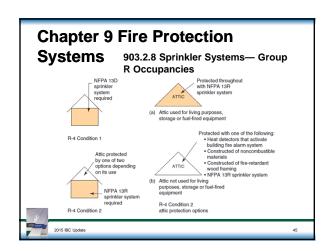


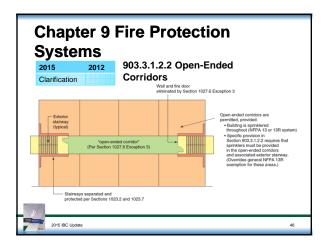


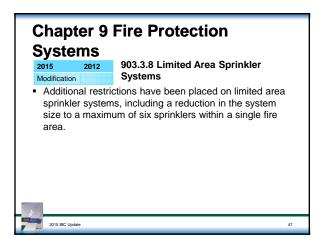


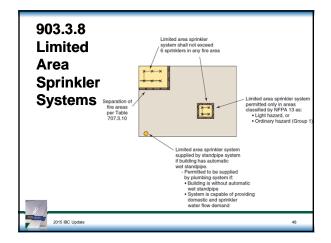




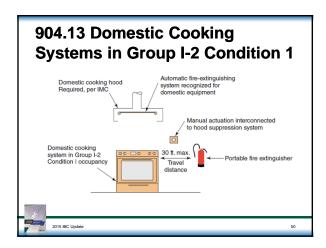


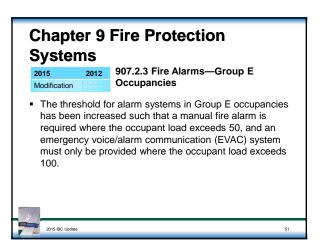




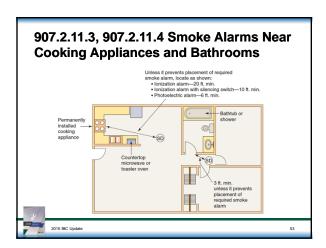


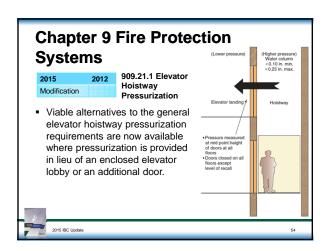
# Chapter 9 Fire Protection Systems 2015 2012 Addition 904.13 Domestic Cooking Systems in Group I-2 Condition 1 Requirements for domestic appliances installed within commercial facilities but used only for domestic cooking have been clarified, including provisions for an appropriate fire-extinguishing system for domestic cooking equipment in nursing homes, assisted living facilities and similar buildings.

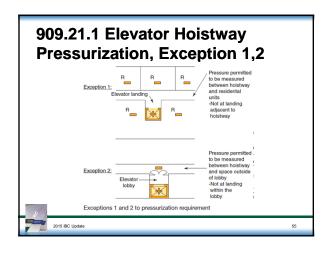


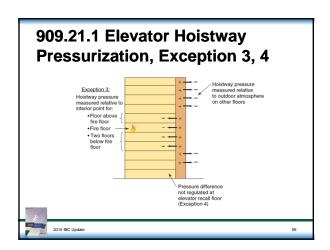


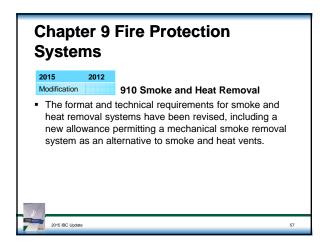
# Chapter 9 Fire Protection Systems 907.2.11.3, 907.2.11.4 Smoke Alarms Near Cooking Appliances and Bathrooms • Requirements from the NFPA 72 standard addressing the installation of smoke alarms near cooking appliances and bathrooms have been introduced to the IBC in order to provide direct guidance on the placement of smoke alarms.

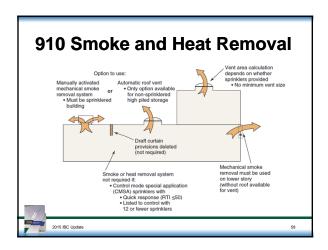


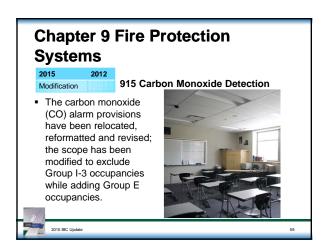


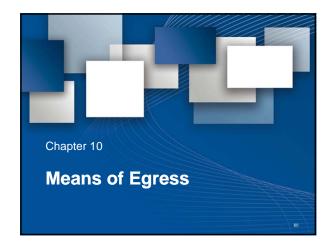




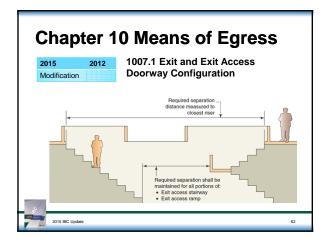


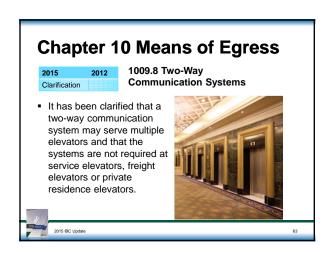


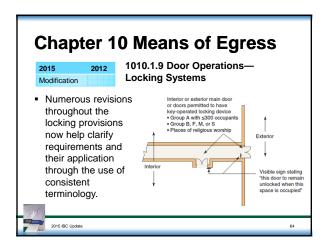


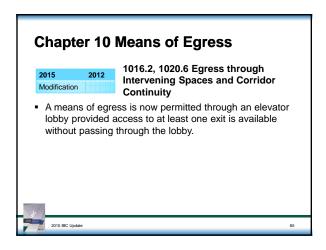


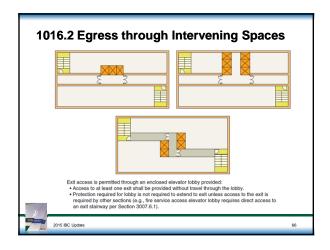
### **Chapter 10 Means of Egress** 2015 2012 Section <del>1015</del> 1006 Modification **Numbers of Exits and Exit Access Doorways** Provisions addressing the - Section 1021 Number of minimum required **Exits and Exit** number of means of Configuration egress and their Section 1007 Exit and arrangement for rooms **Exit Access Doorway** and space as well as Configuration stories have been reformatted and Section 1007 1009 relocated. **Accessible Means of Egress**

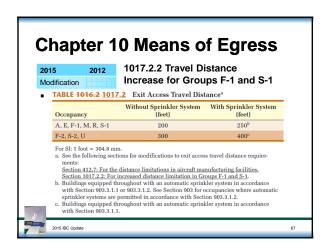


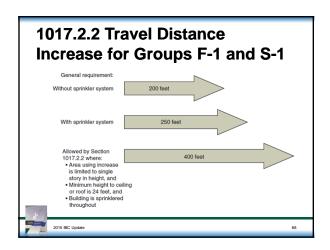


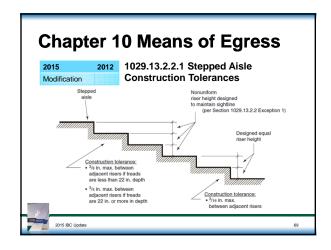


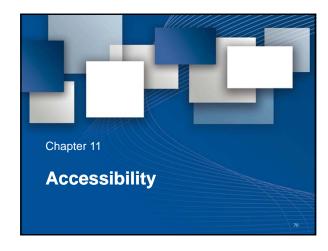


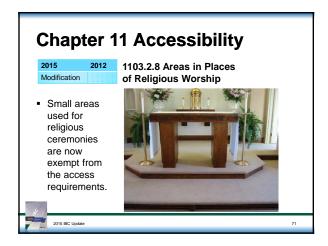


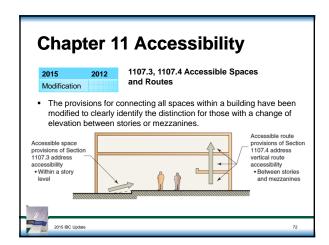


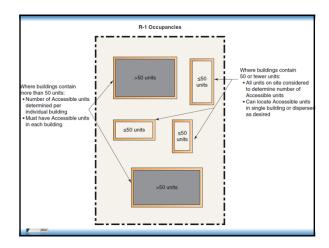




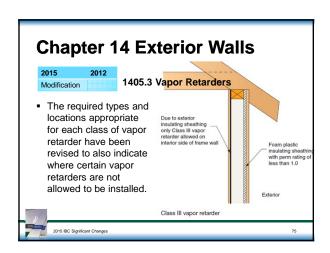


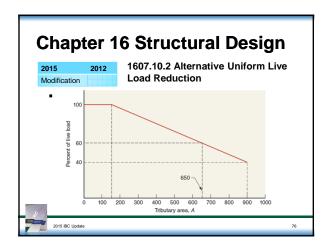




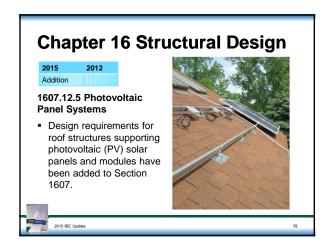


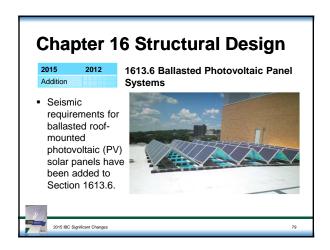


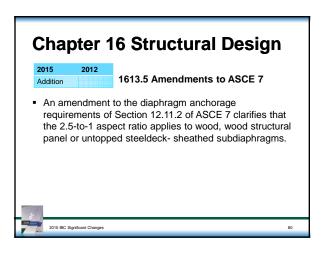






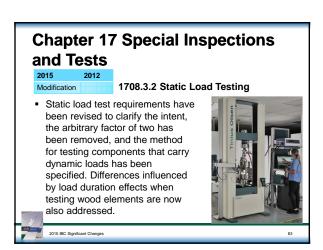




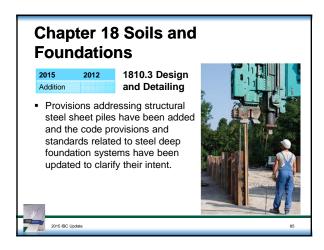


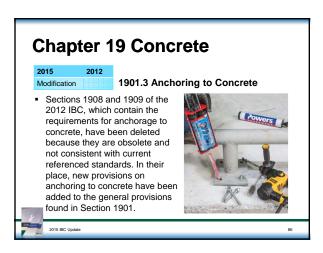


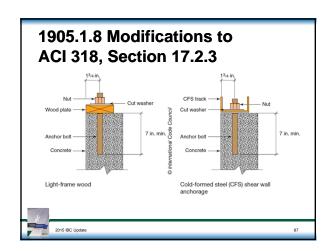
# Chapter 17 Special Inspections and Tests 2015 2012 Addition 1705.2.3 Open Web Steel Joists and Joist Girders • Special inspections are now required during the installation of open web steel joists and joist girders, and a new table specifies the type of inspection and applicable referenced standard.

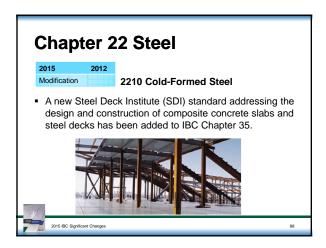


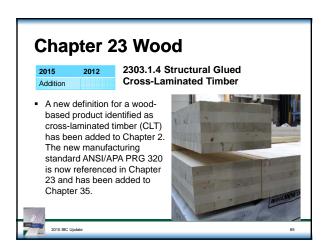


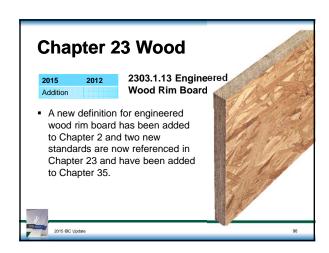




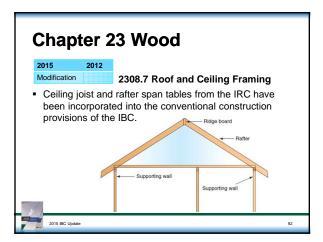


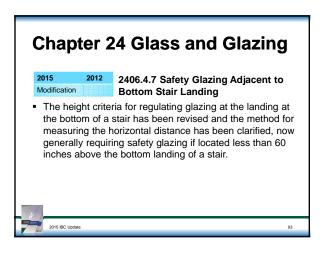


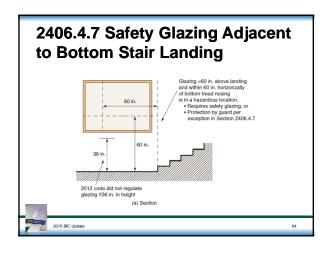




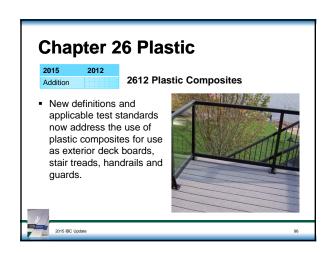
# Chapter 23 Wood 2015 2012 2308 Conventional Light-Frame Construction Section 2308, which contains prescriptive requirements for conventional wood frame construction, has been reformatted and reorganized in its entirety. Significant changes include the introduction of new designations for wall bracing 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.



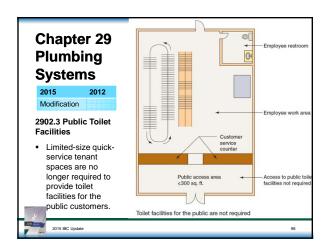


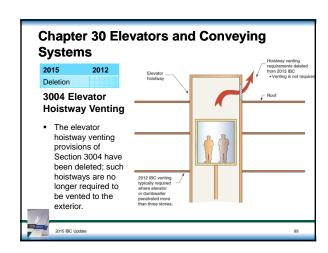


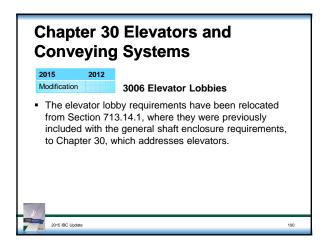


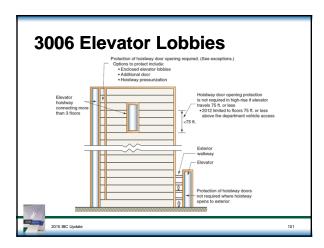


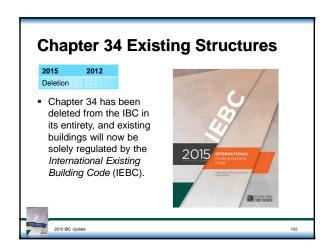














### **Final Reflection**

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?



103

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