Accreditation

The International Code Council has been accredited as an Authorized Provider by the International Association for Continuing Education and Training (IACET).

- As a result of their Authorized Provider accreditation status, ICC is authorized to offer IACET CEUs for its programs that qualify under the ANSI/IACET Standard.
- You will obtain full CEUs for this course, if you actively participate in the training activities and stay for the entire session. Evidence of this will be the sign out sheet.

Description

- This seminar reviews and analyzes selected changes from the 2012 IRC, IBC and IEBC to the 2015 IRC, IBC and IEBC.
- It assists code users in identifying changes that have occurred, and more importantly, understanding the reason behind the change.
- It focuses on those code changes selected due to their frequency of application, special significance or change in application.
Objectives

Upon completion, participants will be better able to:

- Identify the most significant differences between the 2012 and the 2015 codes.
- Explain the differences between the current and previous edition.
- Identify key changes in organization and code requirements.
- Identify the applicability of design, plan review and inspection requirements.

2015 IRC Update

Based on the 2015 International Residential Code® (IRC®)

R101.2, R202 Scope—Accessory Structures

- Maximum height from 2 to 3 stories
- Technical requirements removed from definition
- Unlimited in area
R104.11 Alternative Materials, Design, and Methods of Construction and Equipment

- When proposed alternatives are not approved, the reason for the disapproval must be stated in writing by the building official.

Table R301.2(1) Climatic and Geographic Design Criteria

<table>
<thead>
<tr>
<th>Ground Snow Load</th>
<th>Wind Design</th>
<th>Seismic Design Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed (Mph)</td>
<td>Topographic effects</td>
<td>Special wind region</td>
</tr>
</tbody>
</table>

(Partitions of table and footnotes not shown remain unchanged)

1. In accordance with Figure R301.2(1), where there is local historical data showing unusual wind conditions, the jurisdiction shall fill in this part of the table with “YES” and identify any specific requirements. Otherwise, the jurisdiction shall indicate “NO” in this part of the table.

2. In accordance with Section R301.2(1-1), the jurisdiction shall indicate the wind-horse design wind zone(s). Otherwise, the jurisdiction shall indicate “NO” in this part of the table.

R301.2 Wind Design Criteria

- Ultimate design wind speed values replace basic wind speed values for 3-sec gust wind speeds in Section R301.2.1. A wind speed conversion table has been added for conversion from ultimate design to nominal design wind speeds.

<table>
<thead>
<tr>
<th>Wind Speed Conversion</th>
<th>110</th>
<th>115</th>
<th>120</th>
<th>125</th>
<th>130</th>
<th>135</th>
<th>140</th>
<th>145</th>
<th>150</th>
<th>155</th>
<th>160</th>
<th>165</th>
<th>170</th>
<th>175</th>
<th>180</th>
<th>185</th>
<th>190</th>
<th>195</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vgu</td>
<td>52</td>
<td>55</td>
<td>58</td>
<td>61</td>
<td>64</td>
<td>67</td>
<td>70</td>
<td>73</td>
<td>76</td>
<td>78</td>
<td>81</td>
<td>84</td>
<td>87</td>
<td>90</td>
<td>93</td>
<td>96</td>
<td>99</td>
<td>102</td>
<td>105</td>
</tr>
</tbody>
</table>

For 50-1 mile per hour = 0.447 m/s.

a. Linear interpolation is permitted.
R301.2.1.4 Wind Exposure Category

- Wind Exposure Category A is deleted.
- In the 2012 IRC, Wind Exposure Category D applied to regions adjacent to open water in non-hurricane-prone regions.
- Wind Exposure Category D now applies to open water, mud and salt flats, and unbroken ice fields. Exposure Category D also applies in hurricane-prone regions to residences on or near the ocean shore.

R301.3 Story Height

- Story height of wood and steel wall framing, insulated concrete, and SIP walls may not exceed 11 feet, 7 inches.
- Masonry wall height is limited to 13 feet, 7 inches.

R302.1 Exterior Walls

- Unprotected eave Ø2 ft. FSD with fireblocking
- Unprotected penetrations Ø3 ft. FSD
R302.2 Townhouse Separation
- Removes reference to R302.1
- Mandates a common wall for separating townhouses
- 2-hour rated common wall without sprinklers
- 1-hour rated with sprinklers
- Structural independence does not apply

R302.13 Fire Protection of Floors
Clarification
- Relocated from Chapter 5
- Clarifies that penetrations or openings not regulated
R303.7, R303.8
Stairway Illumination

Clarification
- Interior and exterior in separate sections
- Interior to illuminate treads and landings
- Exterior light source at top landing
- Bottom landing accessing basement

R304.1
Minimum Habitable Room Area

- Deletes 120 square feet minimum area

R305
Ceiling Height

- 6 feet 8 inches:
  - Bathrooms
  - Toilet rooms
  - Laundry rooms
- 6 feet, 4 inches all basements:
  - Beams
  - Girders
  - Ducts
  - Other obstructions
R308.4.2 Glazing Adjacent to Doors

- Glazing installed perpendicular to a door
- < 24 inches from door
- Safety glazing if on hinge side of an in-swinging door.

R308.4.5 Glazing and Wet Surfaces

- Not safety glazing when ≥ 60 in. from edge of:
  - Shower
  - Sauna
  - Steam room
  - Bathtub
  - Hot tub
  - Spa
  - Whirlpool
  - Swimming pool

R308.4.7 Glazing Adjacent to the Bottom Stair Landing

- Glazing adjacent to the bottom stair landing is now defined as the area in front of the plane of the bottom tread.
R310 Emergency Escape and Rescue Openings

Clarification
- Reorganized
- Separate provisions for windows and doors

R310.5, R310.6 Emergency Escape and Rescue Openings for Additions, Alterations and Repairs

Clarification
- No additional emergency escape and rescue openings:
  - Basement addition with access to an emergency escape and rescue opening
  - Remodeling of an existing basement unless new bedroom

R311.8 Ramps

- Max. 1:8 slope for ramps that do not serve required egress door
- Max. 1:12 for ramps serving required egress door
R314
Smoke Alarms

- **Change Type:** Modification
  - Battery-operated permitted for alterations, repairs, and additions
  - Addresses alarms installed near bathrooms and cooking appliances
  - Household fire alarm systems no longer require monitoring by an approved supervising station. New provisions address.

R315
Carbon Monoxide Alarms

- Connection to house wiring with battery backup
- Exterior work no longer triggers CO alarm provisions for existing buildings
- Attached garage only considered if communicating with dwelling
- CO alarm in bedroom with fuel-fired appliance in the bedroom or adjoining bathroom.
- CO detection systems only require detectors in locations prescribed by the code (not NFPA 720)
R403.1.1
Minimum Footing Size

- Expanded tables
  - Type of structure
    - Light frame
    - Veneer
    - Concrete
    - Slab on grade
    - Crawl space
    - Basement

R403.1.6
Foundation Anchorage

- Anchor bolts are now required to be placed in the middle third of the sill plate.

Tables R502.3.1(1), R502.3.1(2) Floor Joist Spans for Common Lumber Species

- Span lengths
  - Decreased for Southern Pine
  - Increased for DFL and HF
R507.2.4 Alternative Deck Lateral Load Connection

Optional Connections

- Figure 507.2.3(1):
  - Two hold-down devices 0.2 ft of the ends of the deck
- Figure 507.2.3(1):
  - Four hold-downs installed below the deck structure

Figure 507.2.3(1): Two hold-down devices 0.2 ft of the ends of the deck. Four hold-downs installed below the deck structure.

R507.5, R507.6, R507.7 Deck Joists and Beams

- Prescriptive methods for joists and beams in deck construction.
- Spans & bearing requirements

R507.8 Deck Posts

- Minimum sizes of wood posts supporting wood decks

<table>
<thead>
<tr>
<th>TABLE R507.8 Deck Post Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deck Post Size</td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>4 x 4</td>
</tr>
<tr>
<td>4 x 6</td>
</tr>
<tr>
<td>6 x 6</td>
</tr>
</tbody>
</table>

Footnote: 1 foot = 304.8 mm
a. Measured to the underside of the beam.
Table R602.3(1) Fastening Schedule

- Nail size options

<table>
<thead>
<tr>
<th>Item</th>
<th>Fastening Schedule for Structural Members</th>
<th>Number and Type of Fasteners&lt;sup&gt;a,b&lt;/sup&gt;</th>
<th>Spacing and Location of Fasteners</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Wall sheathing, rafters, or other connections to top plate or floor</td>
<td>3 4d BC-D 4 1/4 x 0.113 in. or 4d, common 6D 6 3/4 in. or 4D 8 3/4 in.</td>
<td>Per nail</td>
</tr>
<tr>
<td>2</td>
<td>Ceiling joists to top plate or floor</td>
<td>4 4d BC-D 4 1/4 x 0.113 in. or 4d, common 6D 6 3/4 in. or 4D 8 3/4 in.</td>
<td>Per joist, per nail</td>
</tr>
</tbody>
</table>

R602.7 Headers

- Combined tables in Ch. 6
- Multi-ply and single headers
- Rim board headers
- New open porch header table
- New table for full-height studs at each end of header

Table R602.10.5 Contributing Length of Method CS-PF Braced Wall Panels

<table>
<thead>
<tr>
<th>Wall Height (ft)</th>
<th>Minimum Length (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 ft</td>
<td>20</td>
</tr>
<tr>
<td>10 ft</td>
<td>23</td>
</tr>
<tr>
<td>12 ft</td>
<td>26</td>
</tr>
<tr>
<td>14 ft</td>
<td>29</td>
</tr>
<tr>
<td>16 ft</td>
<td>32</td>
</tr>
<tr>
<td>18 ft</td>
<td>35</td>
</tr>
<tr>
<td>20 ft</td>
<td>38</td>
</tr>
</tbody>
</table>

(The table continues with more data rows.)
Table R602.10.5 Contributing Length of Method CS-PF Braced Wall Panels

R602.10.6.2 Method PFH
Portal Frame with Hold-Downs
- Per recent testing:
  - Minimum hold-down capacity lowered to 3500 lbs
  - Two sill plates are sufficient (3 in 2012 IRC)

R602.12 Simplified Wall Bracing
- 3-story buildings (previously 2)
- Wind Exposure B and C
- Wind speed ($V_{ult}$) 130 mph
N1101.14
Permanent Energy Certificate

Change Type: Modification
- The code now requires the permanent energy certificate to be placed on a wall in proximity to the furnace, in a utility room, or in another approved location inside the building.

N1102.1.3 R-Value Computation—Insulated Siding

Change Type: Modification
- The code now allows insulated siding to be used in the calculation for satisfying the wall insulation R-value. The labeled R-value for the siding must be reduced by R-0.6 for calculation purposes.

N1102.2.4 Access Hatches and Doors

- Vertical doors that access unconditioned attics and crawl spaces do not require an R-value to match the required wall insulation. Such doors must comply with the fenestration U-factor requirements of Table N1102.1.2.
M1502.4.4, M1502.4.5 Dryer Exhaust Duct Power Ventilators

Change Type: Addition

- The code now recognizes the use of dryer exhaust duct power ventilators (DEDPVs) to increase the allowable exhaust duct length for clothes dryers.

G2404.11 Condensate Pumps

Change Type: Addition

- Condensate pumps located in uninhabitable spaces must be connected to the appliance to shut down the equipment in the event of pump failure.

G2426.7.1 Door Clearance to Vent Terminals

- An appliance vent terminal is not permitted in a location within 12 inches of the arc of a swinging door.
P2503.5 Drain, Waste, and Vent Systems Testing

Change Type: Modification

- The head pressure for a water test on drain, waste, and vent (DWV) systems has been reduced from 10 feet to 5 feet.

P2603.2.1 Protection Against Physical Damage

- Protection of concealed piping:
  - Edge distance reduced from 1½ inches to 1¼ inches.

P3003.9 Solvent Cementing of PVC Joints

- PVC DWV piping:
  - Primer not required for ≤ 4-inch pipe size
  - Non-pressure application
P3103.1, P3103.2
Vent Terminals

- Frost protection in cold climates:
  - The 3-in. dia. pipe extend 12 in. inside building thermal envelope
  - 7-foot height for roofs used for decks, etc.

E3901.9
Receptacle Outlets for Garages

- Garage receptacle outlets must be served by a separate branch circuit that does not supply other outlets.
- At least one receptacle outlet is required for each car space in a garage.

E3902.8, E3902.9, E3902.10
Ground-Fault Circuit Interrupter Protection

- Laundry areas
- Within 6 feet of bathtubs and showers
- Dishwashers

GFCI protection required for 125-volt, 15- and 20-amp receptacle outlets in laundry areas and near showers or bathtubs.
Appendices R and S
Light Straw-Clay Construction
Strawbale Construction

- Prescriptive provisions for:
  - Light straw-clay construction
    - nonbearing infill around a structural frame
  - Strawbale construction
    - bearing walls or
    - nonbearing infill around a structural frame

2015 IBC Update
Based on the International Building Code®
(IBC®)

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 a new certificate of occupancy.
202 Horizontal Exit

- **Horizontal Exit.** An exit component consisting of fire-resistance-rated construction and opening protectives intended to compartmentalize portions of a building thereby creating refuge areas that afford safety from the fire and smoke from the area of fire origin.

304.1 Food Processing Facilities and Commercial Kitchens

- **304.1 Business Group B:**
  - Food processing establishments and commercial kitchens not associated with restaurants, cafeterias and similar dining facilities not more than 2500 square feet in area.

304.1 Training and Skill Development Facilities

- **304.1 Business Group B:**
  - 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).
306.2 Food Processing Facilities and Commercial Kitchens

- 306.2 Moderate-Hazard Factory Industrial, Group F-1:
- Food processing establishments and commercial kitchens not associated with restaurants, cafeterias and similar dining facilities more than 2500 square feet (232 m²) in area

308.3 Groups I-1 Occupancy Classification

- >16 persons
- 24-hr custodial care
  - Condition 1: respond to emergency with no assistance
  - Condition 2: need limited verbal or physical assistance

308.4 Group I-2 Occupancy Classification

- Condition 1: Nursing homes
  - Long term
  - Not surgery or emergency
- Condition 2: Hospitals
  - Short term
  - May include surgery, emergency, in-patient stabilization
310.5 Group R-3 Lodging Houses

- Lodging houses defined in Chapter 2
- Permitted to be constructed under IRC
  - ≤ 5 guest rooms
  - Owner occupied

310.6 Group R-4 Lodging Houses

- > 5 and ≤ 16 persons
- 24-hr custodial care
  - Condition 1: respond to emergency with no assistance
  - Condition 2: need limited verbal or physical assistance

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.
404.5 Exception, Atrium Smoke Control in Group I Occupancies

- 2-story atriums
- Smoke control required
  - Group I-2 occupancies
  - Group I-1 Condition 2

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
- Multiple Group U private garages are permitted in the same building where they are compartmentalized by minimum 1-hour fire separations

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

- Group I-2, Condition 1 (nursing homes) remains at 22,500 sq ft
- Group I-2, Condition 2 (hospitals and similar occupancies) increased to 40,000 sq ft

423.3 Storm Shelters Serving Critical Emergency Operations Facilities

- Required in geographical areas with shelter design wind speed for tornadoes is 250 MPH (highest) for:
  - Emergency operations facilities
  - Fire
  - Rescue
  - Ambulance
  - Police
423.4 Storm Shelters Serving Group E Occupancies

- Storm shelters are now required in Group E occupancies where the shelter design wind speed for tornadoes is at its highest (250 MPH).

Table 509 Fire Protection from 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.

<table>
<thead>
<tr>
<th>TABLE 509 Incidental Uses</th>
<th>Separation and/or Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment room when any piece of equipment is over 400,000 lb.</td>
<td>1 hour or provide automatic sprinkler system</td>
</tr>
<tr>
<td>Equipment room where the largest piece of equipment is over 50 ft in diameter</td>
<td>1 hour or provide automatic sprinkler system</td>
</tr>
<tr>
<td>Elevator machinery room</td>
<td>1 hour or provide automatic sprinkler system</td>
</tr>
<tr>
<td>Specialized support spaces not described in Section 509</td>
<td>1 hour or greater R-90-R-90-R-90 fire-resistance rated wall</td>
</tr>
</tbody>
</table>

510.2 Horizontal Building Separation

- Pedestal buildings:
- No longer a limit of one story above grade plane for portion below 3-hour horizontal separation.
603.1, Item 26 Wall Construction of Freezers and Coolers

- Walls of freezers and coolers in buildings of Type I and II construction may now be constructed of wood materials:
  - < 1,000 sq ft
  - Noncombustible lining both sides
  - Fully sprinklered building

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.

903.2.1.6 Sprinkler Systems—Assembly Occupancies

- Group A assembly occupancy on roof:
- Group A-2 > 100 OL
- Other Group A occupancies > 300 OL
- Sprinkler system required on all floors between roof and level of exit discharge
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.
903.3.1.2 Exempt Locations for NFPA 13 Sprinklers

- An exemption for sprinkler systems in small resident bathrooms has been introduced into the IBC because the provision was removed from the current edition of the referenced NFPA 13 standard.

903.3.1.2.2 Open-Ended Corridors

907.2.3 Fire Alarms—Group E Occupancies

- The threshold for alarm systems in Group E occupancies has been increased:
  - Manual fire alarm required where occupant load > 50
  - Emergency voice/alarm communication (EVAC) system only where occupant load > 100
907.2.11.3, 907.2.11.4 Smoke Alarms Near Cooking Appliances and Bathrooms

- Nuisance alarm requirements from NFPA 72 addressing smoke alarms near
- Cooking appliances
  - Ionization ≥ 0.020 ft.
  - Ionization with silence switch ≥ 0.10 ft.
  - Photoelectric ≥ 0.06 ft.
- Bathrooms
  - ≥ 0.03 ft. from door

915 Carbon Monoxide Detection

- Relocated, reformatted and revised:
- Excludes Group I-3 occupancies
- Adds Group E occupancies
1004.1.1 Cumulative Occupant Loads

- The determination of the cumulative design occupant load for intervening spaces, adjacent levels and adjacent stories has been clarified.

Table 1004.1.2 Occupant Load Factors

- The mercantile occupant load factor has been revised such that a single factor is now applicable regardless of the story on which the mercantile use is located.

<table>
<thead>
<tr>
<th>Function of Space</th>
<th>Occupant Load Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mercantile</td>
<td>65 gross</td>
</tr>
<tr>
<td>Basement and grade-floor areas</td>
<td>50 gross</td>
</tr>
<tr>
<td>Storage, stock, shipping areas</td>
<td>300 gross</td>
</tr>
</tbody>
</table>

For SI: 1 square foot = 0.0929 m².

1014.8 Handrail Projections

- Guidance is now provided regarding potential obstructions in the required egress width of a stairway where a pair of intermediate handrails is installed.
1018.3 Aisles in Groups B and M

- The required width of aisles in Groups B and M occupancies is now consistent with the widths required for corridors and is no longer limited only to the capacity based on the occupant load served.

1023.3.1 Stairway Extension

- An interior exit stairway is now permitted to continue directly into an exit passageway without a required fire door assembly to separate the two elements.

1103.2.8 Areas in Places of Religious Worship

- Small areas used for religious ceremonies are now exempt from the access requirements.
1104.4 Multistory Buildings and Facilities

- A distinction has been made between the requirements for access within a story and those with greater level changes, such as between stories or mezzanines.

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.

1110 Recreational Facilities

- More detailed scoping requirements for recreational facilities have been included within the new Section 1110 to coordinate with the ADA and provide the scoping for technical requirements found within Chapter 11 of the A117.1 standard.
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.

1603 Construction Documents

- Two additional items related to snow load drifting are now required to be identified on the construction documents.

1603.1.8 Special Loads

- The dead load of any rooftop-mounted photovoltaic (PV) solar panels must now be identified on the construction documents.
1704.5 Submittals to the Building Official

- Requirements for submittal of reports and certificates related to construction that is subject to special inspections and tests are now clearly specified.

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.

2304.12 Protection Against Decay and Termites

- Modifications to Section 2304.12 identify exactly where waterborne preservatives are required and where they are not required.
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.

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

Section 2309 has been added to reference the American Wood Council’s (AWC) Wood Frame Construction Manual (WFCM) for structural design of wood frame buildings assigned to Risk Category I or II.
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.
2902.3 Public Toilet Facilities

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

Chapter 34 Existing Structures

CHANGE TYPE: Deletion
- 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).

2015 International Existing Building Code Update

Based on the International Existing Building Code® (IEBC®)
301.1.4 Seismic Evaluation and Design Procedures

- Revised to harmonize with new edition of ASCE 41.
- ASCE 41 now incorporates ASCE 31.
- Tables 301.1.4.1 and 301.1.4.2 were revised to be consistent with the terminology and structure of ASCE 41.

403.5 Bracing for Unreinforced Masonry Parapets upon Reroofing

- Section added into prescriptive method based upon Section 707.3.1 (Level 1 alteration).
- Essentially requires unreinforced masonry parapets to be braced where more the 25% of the roof is being replaced.
- This is applicable only to Seismic Design categories D, E and F.

403.6 Wall Anchorage for Unreinforced Masonry Walls in Major Alterations

- Section added into prescriptive method based upon Section 907.4.5
- Requires that unreinforced masonry walls be anchored where located in Seismic design category C, D, E and F.
- Note that Section 907.4.5 was revised to add seismic design category C.
403.7 Bracing for Unreinforced Masonry Parapets in Major Alterations

- Section added into the prescriptive method based upon Section 907.4.6 for level 3 alterations.
- Requires that unreinforced masonry parapets be braced where located in seismic design categories C, D, E and F.
- Note that Section 907.4.6 was revised to add seismic design category C.

406.2 and 702.4 Replacement Window Opening Control Devices / Window Opening Control Devices

- Requires that when windows are replaced that window opening control devices be provided to protect children from falls.
- Exceptions for window fall prevention devices
- This has been addressed in the IBC for new construction but not for the replacement of existing windows.

410.7 and 705.2 Alterations Affecting an Area Containing a Primary Function

- Now requires that the accessible route to the primary function include both toilet facilities and drinking foundations.
- Previously, it allowed the choice of one or the other. The two are unrelated, so inclusion of both is considered appropriate.
706 Reroofing

- Duplicated from Section 1510 of the IBC to address reroofing and the conditions and requirements associated with reroofing.
- This is typically an existing building issue so it was felt appropriate to also locate within the level 1 alteration requirements.

904.1.3 Upholstered Furniture

- This new section requires an automatic sprinkler system where work areas include:
  - Group F-1 (over 2500 sq ft),
  - Group M (over 5000 sq ft) and
  - Group S (over 2500 sq. ft) occupancies
- that manufacture, display or store upholstered furniture, as applicable.
- Only applies to level 3 alterations.
- Relates to the hazards that upholstered furniture pose and based upon losses such as those in Charleston, South Carolina.

1001 Change of Occupancy Requirements

- The general provisions of Chapter 10 were revised to more clearly explain change of occupancy classification but also change of use.
- In addition a new requirement was added in Section 1001 and throughout Chapter 10 that if an IBC Chapter 9 threshold is exceeded that the provisions of Chapter 9 of the IBC would now be applicable.
- For instance, the occupant load will increase based upon a change of use such that an automatic sprinkler system in accordance with Section 903.2 of the IBC would be required.
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