

IBC 2015 Significant Changes	
<b>IBC Chapter 3 Building Planning:</b>	Change Type
<b>Use and Occupancy Classification Chapter 3</b>	
<b>Sec 304.1 Business Group B</b>	
Small food processing establishments and commercial Kitchens not associated with dining facilities, not more than 2500sf, are now considered a Group B occupancies (i.e. bakeries and carryout pizza tenants)	Modification
Group B Classification for training and skill development uses has been clarified to 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.	Clarification
<b>Sec 306.2 Factor Group F</b>	
Group F-1 is now applied to only larger-sized food processing facilities and commercial kitchens greater than 2500sf, and not associated with dining facilities.	Modification
<b>Sec 310.5 Group R-3 Lodging Houses</b>	
Lodging Houses are now specifically defined in Chapter 2 and are typically permitted to be constructed in accordance with the IRC if they contain no more than five guest rooms. (Questions about LSUCCC amendments to no sprinklers required per IRC. This may not be the intent of this modification)	Modification
<b>Special Detailed Requirements Based on Use and Occupancy Chapter 4</b>	
<b>Sec 404 Atriums</b>	
Smoke control is now required in atriums in Group I-2, as well as those in Group I-1 classified as Condition 2, that connect two stories. Whereas before all atriums limited two stories were omitted from having a smoke control system.	Modification
<b>Sec 407.2.6 Group I-2 Cooking Facilities</b>	
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.	Modification
<b>Sec 412.7 Travel Distances in Aircraft Manufacturing Facilities</b>	
The travel distance allowance for air craft manufacturing Facilities have been significantly increased based upon a combination of the manufacturing area's height and floor area. See Table 412.7	Modification

<b>Sec 423.3 Critical Emergency Operations - Storm Shelters</b>	
In areas where the shelter design wind speed for tornadoes in accordance with Figure 304.2(1) of ICC 500 is 250 MPH, 911 call stations, emergency operation centers and fire, rescue, ambulance and police stations shall have a storm shelter constructed in accordance with ICC 500.	Addition
<b>Sec 423.4 Storm Shelters Serving Group E Occupancies</b>	
In areas where the shelter design wind speed for tornadoes in accordance with Figure 304.2(1) of ICC 500 is 250 MPH, all Group E occupancies with an aggregate occupant load of 50 or more shall have a storm shelter constructed in accordance with ICC 500. the shelter shall be capable of housing the total occupant load of the Group E occupancy.	Addition
<b>General Building Height and Area Limitations Chapter 5</b>	
<b>Sec 503 General Building Height and Area Limitations</b>	
The provisions regulating building height and area limitations have been extensively revised, with no change in technical application, in order to provide an increase degree of user-friendliness and technical consistency. Three separate Tables created for Area, Height and number of stories. Tables include Area, Height and number of stories with or without sprinklers (S) and Non-Sprinklered (NS).	Clarification
<b>Sec 505.2.3 Mezzanine and Equipment Platform Openness</b>	
Direct access to at least one exit at the mezzanine level is no longer required for those enclosed mezzanines regulated by Exception 2 of Section 505.2.3.	Modification
<b>Table 509 Fire Protection From Incidental Uses</b>	
A more detailed analysis of various support spaces within healthcare or ambulatory care facility is now possible due to modifications to Table 509 regulating incidental uses.	Modification
<b>Sec 510.2 Horizontal Building Separation under 510 Special Provision</b>	
510.2 addresses pedestal buildings. There is no longer a limit of on story above grade plane for that portion of the structure that occurs below the 3-hour horizontal separation.	Modification
<b>Types of Construction Chapter 6</b>	
<b>Table 601 Footnote d - One hour substitution</b>	
Footnote d to Table 601 addressing 1-hour substitution has been deleted based upon the extremely limited applicability of the footnote, along with the significant potential for misuse.	Deletion

<b>Fire And Smoke Protection Systems Chapter 7</b>	
<b>Sec 705.2 Exterior Wall Projections</b>	
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. See Table705.2.	Modification
<b>Section 706.2 Structural Stability of Fire Walls</b>	
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.	Modification
<b>Sec 717.3 &amp; 717.5 Corridor Dampers (717 Ducts and Air Transfer Openings)</b>	
Where a duct penetration occurs in the ceiling of a fire-resistance-rated corridor where the lid of the corridor is constructed using a corridor wall placed horizontally (option permitted by Exception 3 of section 708.4), a corridor damper is now specifically mandated. What makes the corridor damper testing and listing different from the regular combination fire/smoke damper is that the testing is done in a wall assembly installed in the horizontal position.	Modification
<b>Fire Protections Systems Chapter 9</b>	
<b>Sec 903.2.1.6 Sprinkler systems - Assemblies on roofs</b>	
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 A occupancies where the occupant load exceeds 300.	Addition
<b>Sec 903.2.1.7 Multiple Fire Areas</b>	
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.	Addition
<b>Sec 903.3.1.1.2 Exempt location for NFPA 13 Sprinklers</b>	
An exemption for sprinkler systems in small resident bathrooms (55sf or less) has been introduced into the IBC because the provisions was removed from the current edition of the referenced NFPA 13 Standard.	Modification
<b>Sec 903.3.1.2.2 Open-ended Corridors</b>	
Where an NFPA 13R sprinkler system is installed, the sprinkler protection must now be extended to any open-ended corridors and associated exterior stairways, clarifying that an open breezeway is considered as an interior portion of the building and not an exterior location for the application of the sprinkler requirement.	Clarification

<b>Sec 904.13 Domestic cooking systems in Group I-2 Condition 1</b>	
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. (NOTE: not to be confused with domestic cooking system used in commercial areas (i.e. break rooms / warming kitchen).	Addition
<b>Sec 915 Carbon Monoxide Detection</b>	
The carbon monoxide alarm provisions have been relocated, reformatted and revised; the scope has been modified to exclude Group I-3 occupancies while adding Group E occupancies.	Modification
<b>Means of Egress Chapter 10</b>	
<b>Table 1004.1.2 Occupant Load Factors</b>	
The mercantile occupant load factor has been revised such that a single factor is now applicable regardless of the story on which the mercantile used is located (60 gross).	Modification
<b>Sec 1006 &amp; 1007 Number of Exits and Exit Access Doorways</b>	
The means of egress requirements for rooms and spaces, along with those for stories, have been consolidated in Chapter 10 Common Path of Egress Travel has been moved from 1014 to 1006.	Modification
<b>Sec 1011.15 &amp; 1011.16 Ladders</b>	
Locations where ladders can be used for access have now been identified and permanent ladders must follow the construction requirements from the IMC.	Addition
<b>Structural Design - Chapter 16</b>	
<b>Sec 1603.1.8 Special Loads</b>	
The dead load of any rooftop-mounted photovoltaic (PV) solar panels must now be identified on the construction documents.	Addition
<b>Sec 1607.9 Impact Loads for Façade Access Equipment</b>	
Provisions addressing impact loads for elements supporting façade access equipment and lifeline anchorage have been established.	Addition
<b>Sec 1607.12.5 Photovoltaic Panel Systems</b>	
Design requirements for roof structures supporting photovoltaic (PV) solar panels and modules have been added to Section 1607.	Addition
<b>Special Inspections - Chapter 17</b>	
<b>Sec 1705.2.3 Open Web Steel Joist and Joist Girders</b>	
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.	Addition

<b>Sec 1709.5 Exterior Windows and Door Assemblies</b>	
The required design pressure ratings for exterior window and door assemblies are to be done on an allowable stress design (ASD) basis. With the new ultimate wind speeds and strength level wind loads established in ASCE 7-10, it is important to specify that the required design pressures for window and door assemblies are to be based on the Allowable Stress Design (ASD) which is still used by AAMA/WDMA/CSA standards referenced in Section 1710.5.	Modification
<b>Soils and Foundation - Chapter 18</b>	
<b>Sec 1804.1 Excavation near Foundations</b>	
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.	Addition
<b>Sec 1808.3 Design Surcharge Loads</b>	
Requirements pertaining to surcharge loads that could affect an adjacent structure have been added. No fill or other surcharge loads shall be placed adjacent to any building or structure unless such building or structure is capable of withstanding the additional loads caused by the fill or the surcharge.	Addition
<b>Wood - Chapter 23</b>	
<b>Sec 2304.12 Protection Against Decay and Termites</b>	
Modifications to section 2304.12 identify exactly where waterborne preservatives are required and where they are not required.	Modification
<b>Glass and Glazing - Chapter 24</b>	
<b>Sec 2406.4.7 Safety Glazing Adjacent to Bottom Stair Landing</b>	
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. (modified from <36" to <60" includes all within 180 deg arc.)	Modification
<b>Plumbing Systems - Chapter 29</b>	
<b>Sec 2902.3 Public Toilet Facilities</b>	
Limited-size quick-service tenant spaces are no longer required to provide toilet facilities for the public customer. This applies to open or enclosed parking garage without attendants and structures or tenant spaces intended for quick transactions, including takeout, pick up and drop off, having a public access area less than or equal to 300sf.	Modification
<b>Elevators and Conveying Systems - Chapter 30</b>	
<b>Sec 3004 Elevator Hoistway Venting</b>	
The elevator hoistway venting provisions of Section 3004 have been deleted; such hoistways are no longer required to be vented to the exterior due to new technology in the way of changes in lobby requirements, better smoke control and more sprinklered buildings.	Deletion

<b>Sec 3006 Elevator Lobbies</b>	
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.	Modification
<b>Existing Structures - Chapter 34</b>	
<b>Deleted</b>	
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).	Deleted

<b>Chapter 9 Fire Protections Systems</b>	
<b>Section 903 Fire Sprinkler Systems</b>	
<b>Sec 903.2.1 Group A-2</b>	
Amend Item (2) The Fire Area has an occupant load of 300 or more.	LSUCCC MODIFICATION
Add item number (4). Open-air pavilions on three sides or more, not exceeding 12,000 square feet, shall not be required to comply with 903.2.1 (1) and 903.2.1 (2) where each side has unobstructed access to a public way (10'-0" wide by 10'-0" high). No fixed elements, equipment, seating, etc. are permitted within the 10'-0" by 10'-0" access.	LSUCCC MODIFICATION
Added Exceptions:	
a. The requirements of Section 903.2.1.2(1) and 903.2.1.2(2) shall not apply to a single multi-purpose room less than 12,000 sf when all of the following conditions are met.	
(i). The single multi-purpose room shall not be used for display or exhibition, bars or taverns.	
(ii). The single multi-purpose room shall not share exit access with other occupancies. Non-separated accessory uses that are incidental or ancillary to the single multi-purpose room shall be considered as part of the assembly occupancy. The accessory uses shall not be limited to 10 percent of the single multi-purpose room floor area and/or building, but shall be included and considered as part of the limited assembly room floor area.	
(iii). The single multi-purpose room shall not be part of a fire area containing other assembly	
(iv). A single multi-purpose room with an occupant load greater than 300 persons shall be provided with a fire alarm system in accordance with 907.2.1.	
(v). The single multi-purpose room with its accessory or ancillary uses shall be separated, when part of a multiple occupancy, in accordance with Table 508.4 and Section 707 from the remainder of the building. The single multi-purpose room fire area containing the single multipurpose room and its accessory or ancillary uses shall be less than 12,000 sf.	
(vi). Provide system smoke detection in all areas in accordance with Section 907 throughout the entire building.	

<p><b>Sec 903.2.1.3 Group A-3</b></p>	
<p>Add item number (4). Open-air pavilions on three sides or more, not exceeding 12,000 square feet, shall not be required to comply with 903.2.1 (2) where each side has unobstructed access to a public way (10'-0" wide by 10'-0" high). No fixed elements, equipment, seating, etc. are permitted within the 10'-0" by 10'-0" access.</p>	<p>LSUCCC MODIFICATION</p>
<p>Added Exceptions:</p> <p>a. The requirements of Section 903.2.1.2(1) and 903.2.1.2(2) shall not apply to a single multi-purpose room less than 12,000 sf when all of the following conditions are met.</p> <p>(i). The single multi-purpose room shall not be used for display or exhibition.</p> <p>(ii). The single multi-purpose room shall not share exit access with other occupancies. Non-separated accessory uses that are incidental or ancillary to the single multi-purpose room shall be considered as part of the assembly occupancy. The accessory uses shall not be limited to 10 percent of the single multi-purpose room floor area and/or building, but shall be included and considered as part of the limited assembly room floor area.</p> <p>(iii). The single multi-purpose room shall not be part of a fire area containing other assembly</p> <p>(iv). A single multi-purpose room with an occupant load greater than 300 persons shall be provided with a fire alarm system in accordance with 907.2.1.</p> <p>(v). The single multi-purpose room with its accessory or ancillary uses shall be separated, when part of a multiple occupancy, in accordance with Table 508.4 and Section 707 from the remainder of the building. The single multi-purpose room fire area containing the single multipurpose room and its accessory or ancillary uses shall be less than 12,000 sf.</p> <p>(vi). Provide system smoke detection in all areas in accordance with Section 907 throughout the entire building.</p>	
<p><b>Sec 903.2.9 Group S-1</b></p>	
<p><b>Add exception under item number 5. <u>A Group S-1 occupancy used for the storage of upholstered furniture or mattresses exceeds 2,500 square feet</u> .</b> Exception: The requirement of 903.2.9(5) shall not apply to mini-storage facilities less than 12,000 sf. Ministorage facilities, including mini-storage facilities which are climate-controlled, shall comply with 903.2.9(1) thru 903.2.9(4).</p>	<p>LSUCCC MODIFICATION</p>
<p><b>Sec 903.2.7 Group M</b></p>	
<p>Amend item number (4) A Group M occupancy used for the display and sale of upholstered furniture or mattresses <b>where the floor area occupied by the upholstered furniture or mattresses</b> exceeds 5,000 square feet.</p>	<p>LSUCCC MODIFICATION</p>

<b>Sec 903.2.8 Group R</b>	
<b>Added Exceptions</b>	
<p><b>(a).</b> An automatic sprinkler system is not required when not more than two dwelling or sleeping units are attached to a commercial or non-residential occupancy where all of the following conditions exist.</p> <p>(i). The dwelling or sleeping units shall be separated vertically and/or horizontally from the nonresidential occupancy as well as each other by two-hour construction in accordance with Sections 707 and 711.</p> <p>(ii). The entire building shall be smoke protected in accordance with Section 907.</p> <p>(iii). Egress from the dwelling or sleeping units shall not pass through the non-residential occupancy.</p> <p>(iv). The building shall not exceed two stories.</p> <p><b>(b).</b> An automatic sprinkler system is not required in Residential Group R-3, boarding houses (transient and nontransient) as defined by Section 310.5, where one of the following conditions exist.</p> <p>(i). Every sleeping room has a door opening directly to the exterior at the street or finish grade.</p> <p>(ii). Every sleeping room has a door opening directly to the exterior which leads to an outside stair protected in accordance with Section 1027.</p>	LSUCCC MODIFICATION
<b>Chapter 10 Means of Egress</b>	
<b>Table 1006.3.2(1) Stories with one exit or access to one exit for R-2 occupancies</b>	
Delete from footnote "a" wording "...and provided with emergency escape and rescue openings in accordance with Section 1030. "	LSUCCC MODIFICATION
<b>Sec 1020.1 Construction - Corridors</b>	
An additional exception was added, item number (6). A fire-resistance rating is not required for corridors where the space or area served does not exceed the occupant load and common path of egress travel values, for each occupancy, listed in Table 1006.2.1. The travel distance to the exit from the space or area served shall not exceed the common path of travel.	LSUCCC MODIFICATION
<b>Sec 1030.1 General - Emergency Escape and Rescue</b>	
An additional exception was added, item (4). In other than Group R-3 occupancies, buildings equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2.	LSUCCC MODIFICATION