

Code Review

2018 Changes to International Codes

I-CODES - ADMINISTRATIVE - STRUCTURAL TAC

W A R N I N G

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W A R N I N G



**FLORIDA
BUILDING
COMMISSION**
"Stronger Codes Through Science and Consensus"

Florida
dbpr
Department of Business and Professional Regulation



Building Codes and Standards

2018 International Building Code (I-Codes) – Administrative Provisions

Structural Technical Advisory Committee (TAC)

**2018 International Building Code (I-Codes) – Administrative Provisions
Structural TAC**

IBC/IRC/IEBC Code Change No	IBC/IRC/IEBC Section	Change Summary b/t 2015 IBC/IRC/IEBC and 2018 IBC/IRC/IEBC	Change Summary b/t 2017 FBC/FRC/FEBC and 2018 IBC/IRC/IEBC	Staff comments									
ADM17-16 Part I	IEBC: 202	Deletes section 202 definition of “Load-bearing element” because it is not needed as it is not used in the code. Cost Impact: Will not increase the cost of construction. This is an editorial change ; therefore there will be not change to construction requirements.	Same as change between 2015 IEBC and 2018 IEBC										
TAC Action Accommodate Florida Specific Need: YES (Select Criteria) <input type="checkbox"/> NO: <input type="checkbox"/> a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d. <input type="checkbox"/> e. <input type="checkbox"/> f. <input type="checkbox"/> Others (Explain): <input type="text"/>		Commission Action Accommodate Florida Specific Need: YES (Select Criteria) <input type="checkbox"/> NO: <input type="checkbox"/> a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d. <input type="checkbox"/> e. <input type="checkbox"/> f. <input type="checkbox"/> Others (Explain): <input type="text"/>		<table border="1"> <thead> <tr> <th></th> <th>TAC</th> <th>Cmsn.</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> No Action Needed</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Overlapping provisions</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>		TAC	Cmsn.	<input type="checkbox"/> No Action Needed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Overlapping provisions	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/> Overlapping provisions	<input type="checkbox"/>	<input type="checkbox"/>											
ADM17-16 Part II	IRC: AJ201.1	Deletes section AJ201.1 definition of “Load-bearing element” because it is not needed. Cost Impact: Will not increase the cost of construction. This is an editorial change , therefore there will be not change to construction requirements.	Same as change between 2015 IRC and 2018 IRC	IRC Appendix J									
TAC Action Accommodate Florida Specific Need: YES (Select Criteria) <input type="checkbox"/> NO: <input type="checkbox"/> a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d. <input type="checkbox"/> e. <input type="checkbox"/> f. <input type="checkbox"/> Others (Explain): <input type="text"/>		Commission Action Accommodate Florida Specific Need: YES (Select Criteria) <input type="checkbox"/> NO: <input type="checkbox"/> a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d. <input type="checkbox"/> e. <input type="checkbox"/> f. <input type="checkbox"/> Others (Explain): <input type="text"/>		<table border="1"> <thead> <tr> <th></th> <th>TAC</th> <th>Cmsn.</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> No Action Needed</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Overlapping provisions</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>		TAC	Cmsn.	<input type="checkbox"/> No Action Needed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Overlapping provisions	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/> Overlapping provisions	<input type="checkbox"/>	<input type="checkbox"/>											

Rule 61G20-2.002 2. Technical amendments needed to accommodate the specific needs of this state include but are not limited to amendments to the Florida Building Code that provide for the following:
 a. Establish minimum life safety construction requirements to protect buildings and their occupants from fire, wind, flood, and storm surge using the latest technical research and engineering standards for buildings and materials products. b. Provide for flood protection provisions that are consistent with the latest flood protection requirements of the National Flood Insurance Program. c. Maintain eligibility for federal funding and discounts from the National Flood Insurance Program, the Federal Emergency Management Agency, and the United States Department of Housing and Urban Development. d. Provide for energy efficiency standards for buildings that meet or exceed the national energy standards as mandated by Title III of the Energy Conservation and Protection Act. e. Maintain coordination with the Florida Fire Prevention Code. f. Provide for the latest industry standards and design

ADM72-16	IRC: R105.3.1.1, R301.2.4, R322.1	Revises section R105.3.1.1 –Determination of substantially improved or substantially damaged existing buildings in flood hazard areas,” revises section R301.2.4 –Floodplain construction,” and revises section R322.1 –General” to clarify the requirements for repair and restoration. Cost Impact: Will not increase the cost of construction. Clarification of terms does not change the basic requirement.	Section R105.3.1.1 is reserved under the FRC. For compliance, the code refers to the FBC, B. Same as change between 2015 IRC and 2018 IRC with regard to R301.2.4 and R3221.	No action needed with regard to R105.3.1.1.									
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<input type="checkbox"/> Overlapping provisions	<input type="checkbox"/>	<input type="checkbox"/>											
ADM94-16	Referenced Standards	Revises Referenced Standard table to update the referenced standard list. Cost Impact: Will not increase the cost of construction. This is just an update of the referenced standards.	Same as change between 2015 I-Codes and 2018 I-Codes With exception of AAMA A440, AAMA 714 ASTM E 1996, ASTM E 1886 – 2013A and ASTM E330.	Overlapping provision to be considered during step 2 of the code change process - AAMA A440 - 2017, AAMA 714 - 2014, ASTM E1996 - 2014a , ASTM E1886 – 13a and ASTM E330 - 2014 2017 FBC AAMA/WDMA/CSA 101/I.S.2/A440—05 or 08 or 11 AAMA 714—12 or 15 ASTM E1886—02 or 05 or 12 or 2013a ASTM E1996—05, 06, 09, 2012a or 2014a									

Rule 61G20-2.002 2. Technical amendments needed to accommodate the specific needs of this state include but are not limited to amendments to the Florida Building Code that provide for the following:

a. Establish minimum life safety construction requirements to protect buildings and their occupants from fire, wind, flood, and storm surge using the latest technical research and engineering standards for buildings and materials products. b. Provide for flood protection provisions that are consistent with the latest flood protection requirements of the National Flood Insurance Program. c. Maintain eligibility for federal funding and discounts from the National Flood Insurance Program, the Federal Emergency Management Agency, and the United States Department of Housing and Urban Development. d. Provide for energy efficiency standards for buildings that meet or exceed the national energy standards as mandated by Title III of the Energy Conservation and Protection Act. e. Maintain coordination with the Florida Fire Prevention Code. f. Provide for the latest industry standards and design

ASTM E330—02 or 14

TAC Action Accommodate Florida Specific Need: YES (Select Criteria) <input type="checkbox"/> NO: <input type="checkbox"/> a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d. <input type="checkbox"/> e. <input type="checkbox"/> f. <input type="checkbox"/> Others (Explain): <input type="text"/>		Commission Action Accommodate Florida Specific Need: YES (Select Criteria) <input type="checkbox"/> NO: <input type="checkbox"/> a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d. <input type="checkbox"/> e. <input type="checkbox"/> f. <input type="checkbox"/> Others (Explain): <input type="text"/>			TAC	Cmsn.
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Rule 61G20-2.002 2. Technical amendments needed to accommodate the specific needs of this state include but are not limited to amendments to the Florida Building Code that provide for the following:
 a. Establish minimum life safety construction requirements to protect buildings and their occupants from fire, wind, flood, and storm surge using the latest technical research and engineering standards for buildings and materials products. b. Provide for flood protection provisions that are consistent with the latest flood protection requirements of the National Flood Insurance Program. c. Maintain eligibility for federal funding and discounts from the National Flood Insurance Program, the Federal Emergency Management Agency, and the United States Department of Housing and Urban Development. d. Provide for energy efficiency standards for buildings that meet or exceed the national energy standards as mandated by Title III of the Energy Conservation and Protection Act. e. Maintain coordination with the Florida Fire Prevention Code. f. Provide for the latest industry standards and design

Code Change No: **ADM17-16 Part I**

Original Proposal

Section: IEBC: 202

Proponent: David Bonowitz, representing Existing Buildings Subcommittee, National Council of Structural Engineers Associations (dbonowitz@att.net)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE IBC-STRUCTURAL CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDERS FOR THESE COMMITTEES.

2015 International Existing Building Code

Delete without substitution:

~~202 LOAD-BEARING ELEMENT.~~ Any column, girder, beam, joist, truss, rafter, wall, floor or roof sheathing that supports any vertical load in addition to its own weight or any lateral load.

Reason: This proposal deletes a definition that is incomplete and unnecessary.

First consider how the term is used in the codes, then consider the wording of the definition itself.

The term "load-bearing element" is actually never used in the IEBC. In the IRC, this three-word term is defined and used in only one place in Appendix J, to define Renovation to include "the change, strengthening or addition of load-bearing elements ...". However, a number of similar terms are used in a few places in the IEBC and throughout the IRC, but none of those cases relies on the definition (which is given only in the IEBC and in IRC Appendix J). These cases include:

- "Load-bearing support": Used in IRC 105.2.2 and IEBC 105.2.2 to describe repairs that do not need permits, as "cutting of any structural beam or load-bearing support." Here the term is self-explanatory, and "structural beam" is redundant.
- "Load-bearing member": Used in the IEBC definition of Technically Infeasible, related to accessibility upgrades, as "existing structural conditions require the removal or alteration of a load-bearing member that is an essential part of the structural frame." Here, the essential nature is given by the balance of the definition, so "load-bearing" adds nothing and is redundant. (Note: ICC should propose revisions to this definition from the ADA, but it is outside the scope of Group B.)
- "Load bearing ___": Throughout Resource A, with no reliance on the structural meaning given in 202.
- "Load-bearing wall": Defined in the IRC (under Walls) as "a wall supporting any vertical load in addition to its own weight." Thus, a wall that carries lateral load IS a "load-bearing element" in the IEBC but is NOT a "load-bearing wall" in the IRC.

Thus, "load-bearing" as actually used in the IEBC is generic and relies on common usage or separate definition, so no definition is needed in Section 202. And in the IRC, the IEBC definition actually creates confusion by overlapping and clashing with a separate IRC term. Since "load-bearing wall" is used much more specifically and frequently throughout the IRC, its definition should remain, and the unnecessary and generic definition from IEBC 202 should be deleted.

Now consider the specific wording of the IEBC definition. Again, the term "load-bearing element" is not used in the IEBC at all, but one might fairly expect the definition to apply where "load-bearing" is used as an adjective for certain structural element types. For example, the following terms are found throughout the IRC, which per R201.3, relies on the IBC and IEBC for definitions of undefined terms:

- "Load-bearing values": Used in IRC Chapter 4 for soil properties.
- "Load-bearing studs": Used in R505.1.2, R603.1.2, R804.1.2, etc.
- "Load-bearing cold-formed steel framing members": Used in R603.2.1 and elsewhere, sometimes to mean wall studs, and sometimes to mean floor framing. As wall studs, these should be subject to the IRC definition of "load-bearing wall," but the definition is not clear.
- "Load-bearing units": Used in IEBC A106 and IRC R606.2 to describe certain concrete masonry units, defined by reference to ASTM standards, with no reliance on the definition in 202.
- "Load-bearing frames": Used in R606.12.2.2.1.
- "Load-bearing piers": Used in AE601, AE602, etc.

Note that the IEBC definition does not mention soil, studs, framing, frames, or piers. Certainly one would expect the definition to apply, but by attempting to be complete, with its long list of structural member types, the definition ends up excluding (confusingly) other terms actually used in the code. And whether or not one would want the IEBC definition -- which considers both gravity and lateral loads -- to apply, confusion remains because the IRC almost routinely uses "load-bearing" to mean "carrying gravity loads other than self-weight."

Thus, the existing definition of Load-Bearing Element adds no value to the IEBC and introduces only confusion to the IRC.

Cost Impact: Will not increase the cost of construction

This is an editorial change, therefore there will be not change to construction requirements.

Report of Committee Action Hearings
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Committee Action:

Approved as Submitted

Committee Reason: Deleting the definition for "load bearing element" eliminates a definition of a term that is not used in the IBC.

Assembly Action:

None

Final Action Results

ADM17-16 Part I

AS

Code Change No: **ADM17-16 Part II**

Original Proposal

Section: IRC: AJ201.1

Proponent: David Bonowitz, representing Existing Buildings Subcommittee, National Council of Structural Engineers Associations (dbonowitz@att.net)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE IBC-STRUCTURAL CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDERS FOR THESE COMMITTEES.

2015 International Residential Code

AJ201.1 General. For purposes of this appendix, the terms used are defined as follows.

Delete without substitution:

~~**LOAD-BEARING ELEMENT.** Any column, girder, beam, joist, truss, rafter, wall, floor or roof sheathing that supports any vertical load in addition to its own weight, or any lateral load.~~

Reason: This proposal deletes a definition that is incomplete and unnecessary.

First consider how the term is used in the codes, then consider the wording of the definition itself.

The term "load-bearing element" is actually never used in the IEBC. In the IRC, this three-word term is defined and used in only one place in Appendix J, to define Renovation to include "the change, strengthening or addition of load-bearing elements ...". However, a number of similar terms are used in a few places in the IEBC and throughout the IRC, but none of those cases relies on the definition (which is given only in the IEBC and in IRC Appendix J). These cases include:

- "Load-bearing support": Used in IRC 105.2.2 and IEBC 105.2.2 to describe repairs that do not need permits, as "cutting of any structural beam or load-bearing support." Here the term is self-explanatory, and "structural beam" is redundant.
- "Load-bearing member": Used in the IEBC definition of Technically Infeasible, related to accessibility upgrades, as "existing structural conditions require the removal or alteration of a load-bearing member that is an essential part of the structural frame." Here, the essential nature is given by the balance of the definition, so "load-bearing" adds nothing and is redundant. (Note: ICC should propose revisions to this definition from the ADA, but it is outside the scope of Group B.)
- "Load bearing ___": Throughout Resource A, with no reliance on the structural meaning given in 202.
- "Load-bearing wall": Defined in the IRC (under Walls) as "a wall supporting any vertical load in addition to its own weight." Thus, a wall that carries lateral load IS a "load-bearing element" in the IEBC but is NOT a "load-bearing wall" in the IRC.

Thus, "load-bearing" as actually used in the IEBC is generic and relies on common usage or separate definition, so no definition is needed in Section 202. And in the IRC, the IEBC definition actually creates confusion by overlapping and clashing with a separate IRC term. Since "load-bearing wall" is used much more specifically and frequently throughout the IRC, its definition should remain, and the unnecessary and generic definition from IEBC 202 should be deleted.

Now consider the specific wording of the IEBC definition. Again, the term "load-bearing element" is not used in the IEBC at all, but one might fairly expect the definition to apply where "load-bearing" is used as an adjective for certain structural element types. For example, the following terms are found throughout the IRC, which per R201.3, relies on the IBC and IEBC for definitions of undefined terms:

- "Load-bearing values": Used in IRC Chapter 4 for soil properties.
- "Load-bearing studs": Used in R505.1.2, R603.1.2, R804.1.2, etc.
- "Load-bearing cold-formed steel framing members": Used in R603.2.1 and elsewhere, sometimes to mean wall studs, and sometimes to mean floor framing. As wall studs, these should be subject to the IRC definition of "load-bearing wall," but the definition is not clear.
- "Load-bearing units": Used in IEBC A106 and IRC R606.2 to describe certain concrete masonry units, defined by reference to ASTM standards, with no reliance on the definition in 202.
- "Load-bearing frames": Used in R606.12.2.2.1.
- "Load-bearing piers": Used in AE601, AE602, etc.

Note that the IEBC definition does not mention soil, studs, framing, frames, or piers. Certainly one would expect the definition to apply, but by attempting to be complete, with its long list of structural member types, the definition ends up excluding (confusingly) other terms actually used in the code. And whether or not one would want the IEBC definition -- which considers both gravity and lateral loads -- to apply, confusion remains because the IRC almost routinely uses "load-bearing" to mean "carrying gravity loads other than self-weight."

Thus, the existing definition of Load-Bearing Element adds no value to the IEBC and introduces only confusion to the IRC.

Cost Impact: Will not increase the cost of construction

This is an editorial change, therefore there will be not change to construction requirements.

**Report of Committee Action
Hearings**

Committee Action:

Approved as Submitted

Committee Reason: The term defined is not used in the IRC.

Assembly Action:

None

Final Action Results

ADM17-16 Part II

AS

Code Change No: ADM72-16

Original Proposal

Section: IRC: R105.3.1.1, R301.2.4, R322.1

Proponent: Gregory Wilson, representing Federal Emergency Management Agency (gregory.wilson2@fema.dhs.gov); Rebecca Quinn, RCQuinn Consulting, Inc., representing RCQuinn Consulting on behalf of Federal Emergency Management Agency (rcquinn@earthlink.net)

THIS CODE CHANGE WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THIS COMMITTEE.

Revise as follows:

R105.3.1.1 Determination of substantially improved or substantially damaged existing buildings in flood hazard areas. For applications for reconstruction, rehabilitation, *addition*, alteration, repair or other improvement of existing buildings or structures located in a flood hazard area as established by Table R301.2(1), the *building official* shall examine or cause to be examined the *construction documents* and shall make a determination with regard to the value of the proposed work. For buildings that have sustained damage of any origin, the value of the proposed work shall include the cost to repair the building or structure to its predamaged condition. If the *building official* finds that the value of proposed work equals or exceeds 50 percent of the market value of the building or structure before the damage has occurred or the improvement is started, the proposed work is a substantial improvement or ~~restoration~~repair of substantial damage and the building official shall require existing portions of the entire building or structure to meet the requirements of Section R322.

For the purpose of this determination, a substantial improvement shall mean any repair, reconstruction, rehabilitation, addition or improvement of a building or structure, the cost of which equals or exceeds 50 percent of the market value of the building or structure before the improvement or repair is started. Where the building or structure has sustained substantial damage, repairs necessary to restore the building or structure to its predamaged condition shall be considered substantial improvements regardless of the actual repair work performed. The term shall not include either of the following:

1. Improvements to a building or structure that are required to correct existing health, sanitary or safety code violations identified by the building official and that are the minimum necessary to ensure safe living conditions.
2. Any alteration of a historic building or structure, provided that the alteration will not preclude the continued designation as a historic building or structure. For the purposes of this exclusion, a historic building shall be any of the following:
 - 2.1. Listed or preliminarily determined to be eligible for listing in the National Register of Historic Places.
 - 2.2. Determined by the Secretary of the U.S. Department of Interior as contributing to the historical significance of a registered historic district or a district preliminarily determined to qualify as an historic district.
 - 2.3. Designated as historic under a state or local historic preservation program that is approved by the Department of Interior.

R301.2.4 Floodplain construction. Buildings and structures constructed in whole or in part in flood hazard areas (including A or V Zones) as established in Table R301.2(1), and substantial improvement and ~~restoration~~repair of substantial damage of buildings and structures in flood hazard areas, shall be designed and constructed in accordance with Section R322. Buildings and structures that are located in more than one flood hazard area shall comply with the provisions associated with the most restrictive

flood hazard area. Buildings and structures located in whole or in part in identified floodways shall be designed and constructed in accordance with ASCE 24.

R322.1 General. Buildings and structures constructed in whole or in part in flood hazard areas, including A or V Zones and Coastal A Zones, as established in Table R301.2(1), and substantial improvement and ~~restoration~~repair of substantial damage of buildings and structures in flood hazard areas, shall be designed and constructed in accordance with the provisions contained in this section. Buildings and structures that are located in more than one flood hazard area shall comply with the provisions associated with the most restrictive flood hazard area. Buildings and structures located in whole or in part in identified floodways shall be designed and constructed in accordance with ASCE 24.

Reason: This proposal is editorial for consistency with the definition of "substantial Improvement," which uses the term "repair." It also corrects imprecise usage: damage is not, in fact, restore; damage is repaired.

Cost Impact: Will not increase the cost of construction
Clarification of terms does not change the basic requirement.

**Report of Committee Action
Hearings**

Committee Action:

Approved as Submitted

Committee Reason: This proposal clarifies the requirements for repair and restoration.

Assembly Action:

None

Final Action Results

ADM72-16

AS

Code Change No: ADM94-16

Original Proposal

The following table provides a comprehensive list of all standards that the respective standards promulgators have indicated have been, or will be, updated from the listing in the 2015 Editions of the International Codes. According to Section 4.5.1 of ICC Council Policy #CP 28, Code Development Policy, the updating of standards referenced by the Codes shall be accomplished administratively by the Administrative code development committee. Therefore, referenced standards that are to be updated for the 2018 edition of any of the I-Codes are listed in this single code change proposal. Note that the table below indicates the change to the standard, and the code or codes in which each standard appears. The list includes standards that the promulgators have already updated or will have updated by December 1, 2017.

AAMA		American Architectural Manufacturers Association							
Standard Reference Number	Title	Referenced in Code(s):							
AAMA/NSA/NPEA 2100-12	Specifications for Sunrooms	IRC							
AAMA/WDMA/CSA 101/I.S.2/A440-17	North American Fenestration Standard/Specification for Windows, Doors, and Skylights	IBC	IRC	IECC					
AAMA 506-44 <u>16</u>	Voluntary Specifications for Impact and Cycle Testing of Fenestrations Products	IRC							
AAMA 711-43 <u>16</u>	Voluntary Specification for Self Adhering Flashing Used for Installation of Exterior Wall Fenestration Products	IRC							
712-44 <u>14</u>	Voluntary Specification for Mechanically Attached Flexible Flashing	IRC							
714-42- <u>15</u>	Voluntary Specification for Liquid Applied Flashing Used to Create a Water-Resistive Seal Around Exterior Wall Openings in Buildings	IRC							
ACCA		Air Conditioning Contractors of America							
Standard Reference Number	Title	Referenced in Code(s):							
Manual D-2044- <u>16</u>	Residential Duct Systems	IMC	IRC						
Manual J-2044- <u>16</u>	Residential Load Calculation - Eighth Edition	IECC-R	IRC						
Manual S-43- <u>14</u>	Residential Equipment Selection	IECC-R	IRC						
ACI		American Concrete Institute							
Standard Reference Number	Title	Referenced in Code(s):							
332-14	Residential Code Requirements for Structural Concrete Construction	IRC							
530-13 (This is now a TMS only document)	Building Code Requirements for Masonry Structures	IBC	IRC						
530.1-13 (This is now a TMS only document)	Specifications for Masonry Structures	IBC	IRC						
AFSI		Architectural Fabric Structures Institute International							
Standard Reference Number	Title	Referenced in Code(s):							
ASI-77-FSAAS-16	Design and Standard Manual Fabric Structures Association Air Structures 2016	IFC							
AHAM		Association of Home Appliance Manufacturers							
Standard Reference Number	Title	Referenced in Code(s):							

AHAM-HRF-1-20082016	Energy, Performance and Capacity of Household Refrigerators, Refrigerator-Freezers and Freezers	IECC-C								
AHRI	Air-Conditioning, Heating & Refrigeration Institute									
Standard Reference Number	Title	Referenced in Code(s):								
210/240-08with Addenda 1 and 2 2016	Performance Rating of Unitary Air-Conditioning and Air-Source Heat Pump Equipment	IECC_C								
310/380-042014 (CSA-C744-04)	Standard for Packaged Terminal Air Conditioners and Heat Pumps	IECC-C								
340/360-2007 with Addendum 2 2015	Performance Rating of Commercial and Industrial Unitary Air-Conditioning and Heat Pump Equipment	IECC-C								
390-03 (I-P) 2015	Performance Rating of Single Package Vertical Air Conditioners and Heat Pumps	IECC-C								
400-04 (I-P)-2015	Performance Rating of Liquid to Liquid Heat Exchangers with Addenda 1 and 2	IECC-C								
440-08 with Addendum 1	Performance of Room Fan-Coils	IECC-C								
550/590-2011with Addendum 1 (I-P)-2015	Performance Rating of Water-Chilling and Heat Pump Water-Heating Packages Using the Vapor Compression Cycle	IECC-C								
700-20142015 with Addendum 1	Purity Specifications for Fluorocarbon and Other Refrigerants	IMC								
1160 (I-P) - 09-2014	Performance Rating of Heat Pump Pool Heaters	IECC-C	ISPSC							
1200-2010 (I-P)-2013	Performance Rating of Commercial Refrigerated Display Merchandisers and Storage Cabinets	IECC-C								
AISC	American Institute of Steel Construction									
Standard Reference Number	Title	Referenced in Code(s):								
ANSI/AISC 341-40-16	Seismic Provisions for Structural Steel Buildings	IBC								
ANSI/AISC 360-4016	Specification for Structural Steel Buildings	IBC								
AISI	American Iron and Steel Institute									
Standard Reference Number	Title	Referenced in Code(s):								
AISI S100-4216	North American Specification for the Design of Cold-Formed Steel Structural Members, 2012-2016	IBC	IRC							
AISI S220-4415	North American Standard for Cold-Formed Steel Framing-Nonstructural Members, 2014-2015	IRC	IBC							
AISI S230-07/S3-12 (2012)-15	Standard for Cold-Formed Steel Framing-Prescriptive Method for One- and Two-Family Dwellings, 2007, with Supplement 3, dated 2012 (Reaffirmed 2012)-2015	IRC	IBC							
ALI	Automotive Lift Institute									
Standard Reference Number	Title	Referenced in Code(s):								
ANSI/ALI ALCTV-20142016	Standard for Automotive Lifts - Safety Requirements for Construction, Testing, and Validation	IBC								

AMCA		Air Movement and Control Association International							
Standard Reference Number	Title	Referenced in Code(s):							
540-0813	Test Method for Louvers Impacted by Wind Borne Debris	IBC							
550-0809	Test Method for High Velocity Wind Driven Rain Resistant Louvers	IMC							
ANCE		Association of the Electric Sector							
Standard Reference Number	Title	Referenced in Code(s):							
NMX-J-521/2-40-ANCE-20122014/ CAN/CSA-22.2 No. 60335-2-40-12/ UL/ 60335-2-40	Standard for Safety of Household and Similar Electric Appliances, Part 2-40: Particular Requirements for Motor Compressors, Heat Pumps, Air Conditioners and Dehumidifiers	IRC							
ANSI		American National Standards Institute							
Standard Reference Number	Title	Referenced in Code(s):							
ANSI E1.21-20062013	Entertainment Technology-Temporary Structures Used for Technical Production of Outdoor Entertainment Events	IFC							
APA		APA-The Engineered Wood Association							
Standard Reference Number	Title	Referenced in Code(s):							
ANSI/AITC-A 190.1-42-2017	Structural Glued Laminated Timber	IBC	IRC						
ANSI/APA PRG-320-2011-2017	Standard for Performance-Rated Cross-Laminated Timber	IBC	IRC						
ANSI/APA PRP 210-092014	Standard for Performance-Rated Engineered Wood Siding	IBC	IRC						
ANSI/APA PRR 410-2011-2016	Standard for Performance-Rated Engineered Wood Rim Boards	IRC	IBC						
ANSI 117-4015	Standard Specification for Structured Glued Laminated Timber of Softwood Species	IBC							
APA E30-4415	Engineered Wood Construction Guide	IRC							
APA PDS Supplement 5-42-16	Design and Fabrication of All-plywood Beams (revised 2013)	IBC							
EWS-APA R540-4213	Builders Tips: Proper Storage and Handling of Glulam Beams	IBC							
EWS-APA S475-07-16	Glued Laminated Beam Design Tables	IBC							
EWS-APA S560-4014	Field Notching and Drilling of Glued Laminated Timber Beams	IBC							
EWS-APA T300-07-16	Glulam Connection Details	IBC							
EWS-APA X440-08-17	Product Guide - Glulam	IBC							
EWS-APA X450-01	Glulam in Residential Construction - Western Edition	IBC							
APSP		The Association of Pool & Spa Professionals							
Standard Reference Number	Title	Referenced in Code(s):							
ANSI/APSP/ICC-4 2012 Includes Addenda A Approved April 4, 2013	American National Standard for Aboveground/Onground Residential Swimming Pools	ISPSC							
ANSI/APSP/ICC-14- 442014	American National Standard for Portable Hot Tub Energy Efficiency	ISPSC	IECC-R						

ANSI/APSP/ICC-15a-2013 2011 Includes Addenda A Approved January 9, 2013	American National Standard for Energy Efficiency for Residential Inground Swimming Pools and Spas	ISPSC	IECC-R							
ANSI/APSP/ICC 7-2013	American National Standard for Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs, and Catch Basins	IBC	IRC	ISPSC						
ASABE	American Society of Agricultural & Biological Engineers									
Standard Reference Number	Title	Referenced in Code(s):								
EP 484.2 JUNE 1998-3 MON 2016	Diaphragm Design of Metal-Clad, Wood-Frame Rectangular Buildings	IBC								
EP 486.2 OCT 2012 ED	Shallow Post and Pier Foundation Design	IBC								
EP 559.4-2 W/Corr. 1 MON 2016	Design Requirements and Bending Properties for Mechanically Laminated Wood Assemblies	IBC								
ASCE	American Society of Civil Engineers									
Standard Reference Number	Title	Referenced in Code(s):								
ASCE 5-13 is now TMS 402	Building Code Requirements for Masonry Structures now a TMS standard	IBC	IRC							
ASCE 6-13 is now TMS 602	Specifications for Masonry Structures now a TMS Standard	IBC	IRC							
7-10-16	Minimum Design Loads and Associated Criteria for Buildings and Other Structures with Supplement No. 1	IBC	IRC	IEBC						
8-14-17	Standard Specification for the Design of Cold-formed Stainless Steel Structural Members	IBC								
19-09-16	Structural Applications of Steel Cables for Buildings	IBC								
29-44-17	Standard Calculation Methods for Structural Fire Protection	IBC								
32-04-17	Design and Construction of Frost Protected Shallow Foundations	IBC	IRC							
41-13-17	Seismic Evaluation and Retrofit of Existing Buildings		IEBC							
55-10-16	Tensile Membrane Structures	IBC								
ASHRAE	American Society of Heating, Refrigerating and Air Conditioning Engineers									
Standard Reference Number	Title	Referenced in Code(s):								
ANSI/ASHRAE/ACCA 183-(RA 2014 2014)	Peak Cooling and Heating Load Calculations in Buildings, Except Low-rise Residential Buildings	IECC-C								
ASHRAE-2012 2016	HVAC Systems and Equipment Handbook	IMC	IECC-C							
ASHRAE-2013 2017	ASHRAE Handbook of Fundamentals	IRC	IECC-R	IMC						
15-2013-2016	Safety Standard for Refrigeration Systems	IMC	IFC							
34-2013-2016	Designation and Safety Classification of Refrigerants	IRC	IMC							
62.1-2013-2016	Ventilation for Acceptable Indoor Air Quality	IMC	IEBC							

90.1- 2013 2016	Energy Standard for Buildings Except Low-Rise Residential Buildings	IECC-C							
140- 2014 2017	Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs	IECC-C							
170- 2008 2017	Ventilation of Health Care Facilities	IMC							
193-2010 (RA2014)	Method of Test for Determining Air Tightness of HVAC Equipment	IRC	IECC						
13256-1(2014) (2017)	Water- to-Air and Brine to Air Heat Pumps - Testing and Rating for Performance	IECC							
13256-2(2014)(2017)	Water-to-Water and Brine-to-Water Heat Pumps - Testing and Rating for Performance	IECC							
ASME	The American Society of Mechanical Engineers								
Standard Reference Number	Title	Referenced in Code(s):							
A13.1- 2007 –2015	Scheme for the Identification of Piping Systems	IBC	IFC	IFGC					
A17.3- 2009 2015	Safety Code for Existing Elevators and Escalators	IFC	IEBC						
A18.1- 2008 -2014	Safety Standard for Platform Lifts and Stairway Chairlifts	IBC	IFC	IEBC	IRC				
A90.1- 09 2015	Safety Standards for Belt Manlifts	IBC							
A112.1.2- 2004 2012	Air Gaps in Plumbing Systems	IPC	IRC	ISPSC					
A112.1.3-2000(Reaffirmed 2011) (R2015)	Air Gap Fittings for Use with Plumbing Fixtures, Appliances, and Appurtenances	IPC							
A112.3.1-2007 (R2012)	Stainless Steel Drainage Systems for Sanitary DWV, Storm and Vacuum Applications, Above and Below-Ground	IPC	IRC						
A112.4.14-2004(R 2010) 2016	Manually Operated, Quarter-Turn Shutoff Valves for Use in Plumbing Systems	IRC	IPC						
A112.6.1M-1997(Reaffirmed 2008)-(R2012)	Floor-Affixed Supports for Off-the-Floor Plumbing Fixtures for Public Use	IPC	IRC						
A112.6.2-2000 (R 2010) 2016	Framing-Affixed Supports for Off-the-Floor Water Closets with Concealed Tanks	IPC	IRC						
A112.6.3- 2004 (R2007)-2016	Floor and Trench Drains	IPC	IRC						
A112.6.4-2003 (R 2008)-(R2012)	Floor and Trench Drains	IPC	IRC						
A112.6.7-2010 (R2015)	Enamelled and Epoxy Coated Cast Iron and PVC Plastic Sanitary Floor Sinks	IPC							
A112.6.9-2005(R 2010)2015	Siphonic Roof Drains	IPC							
A112.14.1-2003(R 2008)(R2012)	Backwater Valves	IPC							
A112.14.3- 2000 (R2004)2016	Grease Interceptors	IPC							
A112.14.4-2001 (R 2007)(R2012)	Grease Removal Devices	IPC							
A112.14.6-2010 (R2015)	FOG (Fats, Oils, and Greases) Disposal Systems	IPC							

A112.18.3M-2002 (R2008) (R2012)	Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings	IPC	IRC						
A112.19.12- 2006 2014	Wall Mounted and Pedestal Mounted, Adjustable, <u>Elevating, Tilting, and Pivoting Lavatory, and Sink, and Shampoo Bowl Carrier Systems and Drain Waste Systems</u>	IPC	IRC						
A112.19.14- 2006 (R2014)2013	Six-Liter Water Closets Equipped with a Dual Flushing Device	IPC	IRC						
A112.19.15- 2005 2012	Vitreous China Non-Water Urinals	IPC							
A112.19.19-2006(R2011)	Vitreous China Non-Water Urinals	IPC							
A112.36.2M-1991(R2008)(R2012)	Cleanouts	IPC	IRC						
ASME A17.1- 2013 2016/CSA B44-16	Safety Code for Elevators and Escalators	IBC	IFC	IEBC	IRC	IPMC		IECC-C	
ASME A17.7-2007/CSA B44-07 (R2012)	Performance-Based Safety Code for Elevators and Escalators	IBC							
<u>ASME A112.4.2-2009 2015 /CSA B45.16-15</u>	Water Closet Personal Hygiene Devices	IPC	IRC						
<u>ASME A112.18.2-20142015/CSA B125.1-4415</u>	Plumbing Waste Fittings	IPC	IRC						
ASME A112.18.6-2009/CSA B125.6-09 (R2014)	Flexible Water Connectors	IPC	IRC						
ASME A112.19.5- 2014 2016/CSA B45.15- 2014 2016	Flush Valves and Spuds for Water Closets, Urinals and Tanks	IPC	IRC						
B1.20.1- 1983 (R2006)2013	Pipe Threads, General Purpose (Inch)	IPC	IMC	IRC					
B16.1- 2010 2015	Cast Gray Iron Pipe Flanges and Flanged Fittings, Classes 25, 125 and 250	IFGC							
B16.3-20142016	Malleable Iron Threaded Fittings Classes 150 and 300	IPC	IRC	IMC					
B16.4—20142016	Gray Iron Threaded Fittings Class 125 and 250	IPC	IRC						
B16.5- 2009 2015	Pipe Flanges and Flanged Fittings NPS 1/2 Through NPS 24 Metric/Inch Standard	IMC	IFGC						
B16.9-20072012	Factory-Made Wrought Steel Buttwelding Fittings	IPC	IRC	IMC					
B16.11-20142016	Forged Fittings, Socket-Welding and Threaded	IPC	IMC	IRC					
B16.12-2009 (R2014)	Cast Iron Threaded Drainage Fittings	IRC	IPC						
B16.15-20142013	Cast Bronze Alloy Threaded Fittings: <u>Classes 125 and 250</u>	IRC	IMC	IPC		ISPSC			
B16.22-2001(R2010)2013	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings	IPC	IBC	IRC	IFC	IMC			
B16.23- 2002 (R2011)2016	Cast Copper Alloy Solder Joint Drainage Fittings: DWV	IPC	IRC						
B16.24-20142016	Cast Copper Alloy Pipe Flanges and Flanged Fittings: Class 150, 300, 400, 600, 900, 1500 and 2500	IMC	IFGC						
B16.26-20142016	Cast Copper Alloy Fittings for Flared Copper Tubes	IPC	IMC	IRC					

B16.34-2009 <u>2015</u>	Valves Flanged, Threaded and Welding End	IPC	IRC						
B16.42-2014 <u>2016</u>	Ductile Iron Pipe Flanges and Flanged Fittings, Classes 150 and 300	IFGC							
B16.44-2002 (R2007) <u>2012</u>	Manually Operated Metallic Gas Valves For Use in Above Ground Piping Systems up to 5 psi	IFGC	IRC						
B16.47-2014 <u>2016</u>	Large Diameter Steel Flanges: NPS 26 through NPS 60 Metric/Inch Standard	IFGC							
B16.51-2014 <u>2013</u>	Copper and Copper Alloy Press-Connect Pressure Fittings	IRC	IMC	IPC					
B20.1-2009 <u>2015</u>	Safety Standard for Conveyors and Related Equipment	IBC							
B31.1-2012 <u>2016</u>	Power Piping	IFC							
B31.3-2012 <u>2016</u>	Process Piping	IBC	IFC	IFGC					
B31.4-2012 <u>2015</u>	Pipeline Transportation Systems for Liquids and Slurries Hydrocarbons and Other Liquids	IFC							
B31.5-2010 <u>2016</u>	Refrigeration Piping and Heat Transfer Components	IPC	IMC						
B31.9-2014 <u>2014</u>	Building Services Piping	IFC	IMC						
B31.12-2008 <u>2014</u>	Hydrogen Piping and Pipelines	IFGC							
B36.10M-2004 (R2015)	Welded and Seamless Wrought Steel Pipe	IFGC	IRC						
BPVC-2010/2011 addenda <u>2015</u>	ASME Boiler & Pressure Vessel Code (2007 Edition)	IMC	IFC	IFGC	IRC				
CSD-1-2014 <u>2016</u>	Controls and Safety Devices for Automatically Fired Boilers	IRC	IMC						
PTC 4.1-2008 <u>2013</u>	Fired Steam Generators	IECC							
ASSE-Safety	American Society of Safety Engineers								
Standard Reference Number	Title	Referenced in Code(s):							
ANSI/ASSE Z359.1-2007 <u>2016</u>	Safety Requirements for Personal Fall Arrest Systems, Subsystems and Components, Part of the ANSI/ASSE Z359 Fall Protection Code	IBC	IFC	IMC					
ASSE	ASSE International								
Standard Reference Number	Title	Referenced in Code(s):							
ASSE 1002-2008-2015/ASME A112.1002-2015/CSA B125.12-15	Performance Requirements for Antisiphon Fill Valves for Water Closet Flush Tanks	IPC	IRC						
ASSE 1004-2008 <u>2016</u>	Performance Requirements for Commercial Dishwashing Machines	IPC							
ASSE 1037-2010 <u>2015/ASME A112.1037-2015/CSA B125.37-15</u>	Performance Requirements for Pressurized Flushing Devices for Plumbing Fixtures	IPC	IRC						
ASSE 1070-2004 <u>2015/ASME A112.1070-2015/CSA B125.70-15</u>	Performance Requirements for Water Temperature Limiting Devices	IRC	IPC						
1001-2008 <u>2016</u>	Performance Requirements for Atmospheric Type Vacuum Breakers	IPC	IRC						

1011- 2004 <u>2016</u>	Performance Requirements for Hose Connection Vacuum Breakers	IRC	IPC						
1013- 2009 <u>2017</u>	Performance Requirements for Reduced Pressure Principle Backflow Preventers and Reduced Pressure Principle Fire Protection Backflow Preventers	IPC	IRC						
1015- 2009 <u>2017</u>	Performance Requirements for Double Check Backflow Prevention Assemblies and Double Check Fire Protection Backflow Prevention Assemblies	IPC	IRC						
1018- 2010 <u>2017</u>	Performance Requirements for Trap Seal Primer Valves - Potable Water Supplied	IPC	IRC						
1019- 2014 <u>2016</u>	Performance Requirements for Vacuum Breaker Wall Hydrants, Freeze Resistant, Automatic Draining Type	IPC	IRC						
1022- 2003 <u>2016</u>	Performance Requirements for Backflow Preventer for Beverage Dispensing Equipment	IPC							
1023- 1979 <u>2016</u>	Performance Requirements for Hot Water Dispensers - Household Storage Type - Electrical	IRC							
1024- 2004 <u>2016</u>	Performance Requirements for Dual Check Valve Backflow Preventers, Anti-Siphon-type, Residential Applications	IRC	IPC						
1047- 2009 <u>2017</u>	Performance Requirements for Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies	IPC	IRC						
1048- 2009 <u>2017</u>	Performance Requirements for Double Check Detector Fire Protection Backflow Prevention Assemblies	IRC	IPC						
1052- 2004 <u>2016</u>	Performance Requirements for Hose Connection Backflow Preventers	IRC	IPC						
1055- 2009 <u>2016</u>	Performance Requirements for Backflow Devices for Chemical Dispensing Systems	IPC							
1056- 2010 <u>2013</u>	Performance Requirements for Spill Resistant Vacuum Breaker	IPC	IRC						
1060- 2006 <u>2016</u>	Performance Requirements for Outdoor Enclosures for Fluid Conveying Components	IPC	IRC						
1061- 2010 <u>2015</u>	Performance Requirements for Removable and Non-Removable Push Fit Fittings	IPC	IRC						
1062- 2006 <u>2016</u>	Performance Requirements for Temperature Actuated, Flow Reduction (TAFR) Valves to Individual Supply Fittings	IPC	IRC						
1066- 1997 <u>2016</u>	Performance Requirements for Individual Pressure Balancing In-Line Valves for Individual Fixture Fittings	IPC	IRC						
2060- 2006 <u>2016</u>	Performance Requirements for Outdoor Enclosures for Fluid Conveying Components	IPC	IRC						

5013- 2009 2015	Performance Requirements for Testing Reduced Pressure Principle Backflow Preventers (RP) and Reduced Pressure Principle Fire Protection Backflow Preventers (RFP)	IPC							
5015- 2009 2015	Performance Requirements for Testing Double Check Valve Backflow Prevention Assembly (DC) and Double Check Fire Protection Backflow Prevention Assemblies (DCF)	IPC							
5020- 2009 2015	Performance Requirements for Testing Pressure Vacuum Breaker Assemblies (PVBA)	IPC							
5047- 2009 2015	Performance Requirements for Testing Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies (RPDA)	IPC							
5048- 2009 2015	Performance Requirements for Testing Double Check Valve Detector Assembly (DCDA)	IPC							
5056- 2009 2015	Performance Requirements for Testing Spill Resistant Vacuum Breaker (SRVB)	IPC							
ASTM	ASTM								
Standard Reference Number	Title	Referenced in Code(s):							
A6/A6M-44-14	Standard Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes and Sheet	IBC							
A36/A 36M-08-14	Specification for Carbon Structural Steel	IBC	IRC						
A74-43A15	Specification for Cast Iron Soil Pipe and Fittings	IPC	IMC	IRC	IFGC				
A106/A 106M-44-14	Specification for Seamless Carbon Steel Pipe for High-Temperature Service	IMC	IRC	IFGC					
A123/A123M-02-15	Specification of Zinc (Hot-Dip Galvanized) Coating on Iron and Steel Products	IBC							
A126-0904(2014)	Gray Iron Castings for Valves, Flanges, and Pipe Fittings	IMC	IRC						
A182-4315	Standard Specification for Forged and Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fittings and Valves and Parts for High-Temperature Service	ISPSC							
A234/A234M-44a15	Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service	IMC							
A240/A240M-43A15a	Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications	IBC	IRC	ISPSC					
A254-97(2007)12	Specification for Copper Brazed Steel Tubing	IMC	IRC	IFGC					

A283/A283M-42A13	Specification for Low and Intermediate Tensile Strength Carbon Steel Plates	IBC							
A307-4214	Specification for Carbon Steel Bolts and Studs, 60,000 psi Tensile Strength	IRC							
A312/A312M-43A15A	Specification for Seamless, and Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes	IPC	IRC	ISPSC					
A395/A395-99(2009)(2014)	Standard Specification for Ferritic Ductile Iron Pressure-Retaining Casting for Use at Elevated Temperatures	IMC							
A403-4315	Standard Specification for Wrought Austenitic Stainless Steel Pipe Fittings	ISPSC							
A416/A416M-42A15	Specification for Steel Strand, Uncoated Seven-Wire for Prestressed Concrete	IBC							
A420/A 420M-40A14	Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service	IMC							
A463M/A 463M-4015	Specification for Steel Sheet, Aluminum-Coated, by the Hot Dip Process	IBC	IRC						
A510/A510M-13	Specification For General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel, Alloy Steel	IRC							
A536-84(2009)(2014)	Standard Specification for Ductile Iron Castings	IMC							
A572/A572M-42A15	Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel	IBC							
A588/A588M-4015	Specification for High-Strength Low-Alloy Structural Steel with 50 ksi (345 Mpa) Minimum Yield Point, with Atmospheric Corrosion Resistance	IBC							
A615/A615M-422015aE1	Specification for Deformed and Plain Billet Carbon Steel Bars for Concrete Reinforcement	IBC	IRC						
A641/A641M-09A(2014)	Specification for Zinc-Coated (Galvanized) Carbon Steel Wire	IRC							
A653/A653M-4415	Specification for Steel Sheet, Zinc-Coated Galvanized or Zinc-Iron Alloy-Coated Galvannealed by the Hot-Dip Process	IBC	IRC						
A690/690M-07(2012)13a	Standard Specification for High-Strength Low-Alloy Nickel, Copper Phosphorus Steel H-Piles and Sheet Piling with Atmospheric Corrosion Resistance for Use in Marine Environments	IBC							
A706/A706M-09b15	Specification for Low-Alloy Steel Deformed and Plain Bars for Concrete Reinforcement	IBC	IRC						
A722/A722M-4215	Specification for Uncoated High-Strength Steel Bar for Prestressing Concrete	IBC							

<u>A733-2003(2009)e1-15</u>	Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel Pipe Nipples	IPC							
<u>A755/A755M-201415</u>	Specification for Steel Sheet, Metallic-Coated by the Hot-Dip Process and Prepainted by the Coil-coating Process for Exterior Exposed Building Products	IBC	IRC						
<u>A767/A767M-0609</u>	Specification for Zinc-Coated (Galvanized) Steel Bars for Concrete Reinforcement	IBC							
<u>A775/A775M-07B(2014)</u>	Specification for Epoxy-Coated Steel Reinforcing Bars	IBC							
<u>A778-01(2009)e1-/A778M-15</u>	Specification for Welded Unannealed Austenitic Stainless Steel Tubular Products	IPC	IRC						
<u>A792/A792M-10(2015)</u>	Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process	IBC	IRC						
<u>A875/A875M-13</u>	Standard Specification for Steel Sheet Zinc-5%, Aluminum Alloy-Coated by the Hot-Dip Process	IBC	IRC						
<u>A888-13A15</u>	Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Application	IPC	IPSDC	IRC					
<u>A924/A924M-1314</u>	Standard Specification for General Requirements for Steel Sheet, Metallic Coated by the Hot Dip Process	IBC	IRC						
<u>A951/A951M-1414</u>	Specification for Steel Wire Masonry Joint Reinforcement	IRC							
<u>A996/A996M-2009b15</u>	Specification for Rail-Steel and Axle-Steel Deformed Bars for Concrete Reinforcement	IRC							
<u>A1003/A1003M-13A15</u>	Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members	IRC							
<u>B32-08(2014)</u>	Specification for Solder Metal	IPC	IMC	IRC	IPSDC				
<u>B42-102015A</u>	Specification for Seamless Copper Pipe, Standard Sizes	IPC	IBC	IRC	IFC				
<u>B43-0915</u>	Specification for Seamless Red Brass Pipe, Standard Sizes	IPC	IBC	IRC	IFC				
<u>B68/B68M-11</u>	Specification for Seamless Copper Tube, Bright Annealed (Metric)	IBC	IFC	IMC					
<u>B75/B75M-11</u>	Specification for Seamless Copper Tube	IPC	IPSDC	IRC	IMC				
<u>B88-0914</u>	Specification for Seamless Copper Water Tube	IPC	IBC	IPSDC	IRC				
<u>B209-1014</u>	Specification for Aluminum and Aluminum-Alloy Steel and Plate	IBC	IRC						
<u>B227-1015</u>	Specification for Hard-Drawn Copper-Clad Steel Wire	IRC							
<u>B280-0813</u>	Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service	IMC	IFC	IBC	IFGC				

B306-0913	Specification for Copper Drainage Tube (DWV)	IPC	IRC						
B370-12	Specification for Cold Rolled Copper Sheet and Strip for Building Construction	IBC	IRC						
B584-4414	Standard Specification for Copper Alloy Sand Castings for General Applications	IMC							
C4-04(2009)(14)	Specification for Clay Drain Tile and Perforated Clay Drain Tile	IPC	IPSDC	IRC					
C14-4415a	Specification for Nonreinforced Concrete Sewer, Storm Drain, And Culvert Pipe	IPC	IPSDC	IRC					
C22/C22M-00(2010)-2015	Specification for Gypsum	IBC	IRC						
C27-98(2008)(13)	Specification for Standard Classification of Fireclay and High-Alumina Refractory Brick	IBC	IRC						
C28/C28M-10(2015)	Specification for Gypsum Plasters	IBC	IRC						
C31/C31M-4215	Practice for Making and Curing Concrete Test Specimens in the Field	IBC							
C34-4213	Clay Load-Bearing Wall Tile	IBC	IRC						
C35/C35M-4995(2009)-(2014)	Specification for Inorganic Aggregates for Use in Gypsum Plaster	IBC	IRC						
C55-20142014A	Specification for Concrete Building Brick	IBC	IRC						
C56-4213	Specification for Structural Clay Non-Lead-Bearing Tile	IRC							
C59/C59M-00(2011) 2015	Specification for Gypsum Casting Plaster and Molding Plaster	IBC	IRC						
C61/C61M-00(2014)2015	Specification for Gypsum Keene's Cement	IBC	IRC						
C62-13A	Specification for Building Brick (Solid Masonry Units Made From Clay or Shale)	IBC	IRC						
C67-4314	Test Methods of Sampling and Testing Brick and Structural Clay Tile	IBC							
C73-4014	Specification for Calcium Silicate Face Brick (Sand-Lime Brick)	IBC	IRC						
C76-43A15A	Specification for Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe	IPC	IPSDC	IRC					
C90-4314	Specification for Loadbearing Concrete Masonry Units	IBC	IRC	IECC-C	IEBC				
C91/C91M-12	Specification for Masonry Cement	IBC	IRC						
C94/C94M-4315A	Specification for Ready-Mixed Concrete	IBC	IRC						
C109/C109M-422015e1	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-MM] Cube Specimens)	IRC							
C126-4315	Specification for Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units	IRC							
C129-4414A	Specification for Nonload-bearing Concrete Masonry Units	IRC							

C140/C140M-4315	Test Method Sampling and Testing Concrete Masonry Units and Related Units	IBC	IRC						
C141/C141M-0914	Standard Specification for Hydrated Hydraulic Lime for Structural Purposes	IRC							
C143/C143M-4215	Test Method for Slump of Hydraulic Cement Concrete	IRC							
C150/C150M-4215	Specification for Portland Cement	IBC	IRC						
C172/C172M-4014A	Practice for Sampling Freshly Mixed Concrete	IBC							
C206-4314	Specification for Finished Hydrated Lime	IBC	IRC						
C212-4014	Specification for Structural Clay Facing Tile	IBC	IRC						
C216-4315	Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale)	IBC	IRC						
C270-42a14A	Specification for Mortar for Unit Masonry	IBC	IRC						
C296/C296M-00(2009)e1-2015	Specification for Asbestos-Cement Pressure Pipe	IPC	IRC						
C317/C317M-00(2010)(2015)	Specification for Gypsum Concrete	IBC							
C330/C330M-200914	Specification for Lightweight Aggregates for Structural Concrete	IBC							
C331/C331-20102014	Specification for Lightweight Aggregates for Concrete Masonry Units	IBC							
C406/C406M-201015	Specification for Roofing Slate	IBC	IRC						
C425-04(2009)(2013)	Specification for Compression Joints for Vitrified Clay Pipe and Fittings	IPC	IPSDC	IRC					
C472-99(2009) (2014)	Specification for Standard Test Methods for Physical Testing of Gypsum, Gypsum Plasters and Gypsum Concrete	IBC							
C473-4215	Test Methods for Physical Testing of Gypsum Panel Products	IBC							
C474-4315	Test Methods for Joint Treatment Materials for Gypsum Board Construction	IBC							
C475/C475M-4215	Specification for Joint Compound and Joint Tape for Finishing Gypsum Wallboard	IBC	IRC						
C503/C503M-2010	Specification for Marble Dimension Stone (Exterior)	IRC							
C508-00/C508M-00(2009)E4(2015)	Specification for Asbestos-Cement Underdrain Pipe	IPC	IRC						
C514-04(2009)e1-(2014)	Specification for Nails for the Application of Gypsum Board	IBC	IRC						
C516-08(2014)E1	Specification for Vermiculite Loose Fill Thermal Insulation	IBC							

C518-04 <u>15</u>	Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus	IECC							
C547-42 <u>15</u>	Specification for Mineral Fiber Pipe Insulation	IBC							
C552-42 <u>15</u>	Standard Specification for Cellular Glass Thermal Insulation	IBC	IRC						
C564-42 <u>14</u>	Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings	IPC	IPSDC	IRC					
C568/C568M-20 <u>10</u>	Specification for Limestone Dimension Stone	IRC							
C578-42 <u>15</u>	Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation	IBC	IRC						
C587-04(2009)(2014)	Specification for Gypsum Veneer Plaster	IBC	IRC						
C595/C595M-43 <u>14E1</u>	Specification for Blended Hydraulic Cements	IBC	IRC						
C629-10/C629M-10	Specification for Slate Dimension Stone	IRC							
C631-09(2014)	Specification for Bonding Compounds for Interior Gypsum Plastering	IBC	IRC						
C635/C635M-13 <u>A</u>	Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings	IBC							
C636/C636M-08 <u>13</u>	Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels	IBC							
C645-43 <u>14</u>	Specification for Nonstructural Steel Framing Members	IBC	IRC						
C652-43 <u>15</u>	Specification for Hollow Brick (Hollow Masonry Units Made from Clay or Shale)	IBC	IRC						
C685/C685M-44- <u>14</u>	Specification for Concrete Made by Volumetric Batching and Continuous Mixing	IRC							
C726-12	Standard Specification for Mineral Fiber Wool Roof Insulation Board	IBC							
C726-12	Standard Specification for Mineral Fiber Wool Roof Insulation Board	IBC							
C728-05(2013)- <u>15</u>	Standard Specification for Perlite Thermal Insulation Board	IBC	IRC						
C744-44 <u>14</u>	Specification for Prefaced Concrete and Calcium Silicate Masonry Units	IBC	IRC						

C754-44 <u>15</u>	Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products	IBC							
C836/C836M-42 <u>15</u>	Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course	IBC	IRC						
C840-44 <u>13</u>	Specification for Application and Finishing of Gypsum Board	IBC							
C841-03(2008)e1-(2013)	Specification for Installation of Interior Lathing and Furring	IBC							
C842-05(2010)e1-(2015)	Specification for Application of Interior Gypsum Plaster	IBC							
C844-04(2010)-2015	Specification for Application of Gypsum Base to Receive Gypsum Veneer Plaster	IBC	IRC						
C847-42 <u>14A</u>	Specification for Metal Lath	IBC	IRC						
C887-05(2010)-13	Specification for Packaged, Dry, Combined Materials for Surface Bonding Mortar	IBC	IRC						
C897-05(2009)-15	Specification for Aggregate for Job-Mixed Portland Cement-Based Plasters	IBC	IRC						
C920-44 <u>14A</u>	Standard Specification for Elastomeric Joint Sealants	IBC	IRC						
C926-43-15 <u>B</u>	Specification for Application of Portland Cement-Based Plaster	IBC	IRC						
C933-43 <u>14</u>	Specification for Welded Wire Lath	IBC	IRC						
C954-44 <u>15</u>	Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 inch (0.84 mm) to 0.112 inch (2.84 mm) in Thickness	IBC	IRC						
C955-44C <u>15</u>	Standard Specification for Load-bearing Transverse and Axial Steel Studs, Runners Tracks, and Bracing or Bridging, for Screw Application of Gypsum Panel Products and Metal Plaster Bases	IBC	IRC						
C956-04(2010)-(2015)	Specification for Installation of Cast-in-Place Reinforced Gypsum Concrete	IBC							
C957-40/C957M-15	Specification for High-Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane with Integral Wearing Surface	IBC	IRC						

C1002-07 <u>14</u>	Specification for Steel <u>Self Piercing Tapping</u> Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to <u>Wood Studs or Steel Studs</u>	IBC	IRC						
C1007-11a(2015)	Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories	IBC							
C1029-43 <u>15</u>	Specification for Spray-Applied Rigid Cellular Polyurethane Thermal Insulation	IBC	IRC						
C1032-06(2011)- <u>14</u>	Specification for Woven Wire Plaster Base	IBC	IRC						
C1047-40A2014a	Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base	IBC	IRC						
C1063-42D <u>15a</u>	Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-Based Plaster	IBC	IRC						
C1088-43 <u>14</u>	Specification for Thin Veneer Brick Units Made From Clay or Shale	IBC	IRC						
C1107/C1107-43 <u>14A</u>	Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Nonshrink)	IRC							
C1116/C1116M-10A(2015)	Standard Specification for Fiber - Reinforced Concrete and Shotcrete	IRC							
C1173-10E4-(2014)	Specification for Flexible Transition Couplings for Underground Piping Systems	IPC	IPSDC	IRC					
C1177/C1177M-08 <u>13</u>	Specification for Glass Mat Gypsum Substrate for Use as Sheathing	IBC	IRC						
C1178/C1178M-44 <u>13</u>	Specification for Coated Mat Water-Resistant Gypsum Backing Panel	IBC	IRC						
C1186-08(2012)	Specification for Flat Nonasbestos Fiber Cement Sheets	IBC	IRC						
C1261-40 <u>13</u>	Specification for Firebox Brick for Residential Fireplaces	IBC	IRC						
C1277-42 <u>15</u>	Specification for Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings	IPC	IPSDC	IRC					
C1280-13A	Specification for Application of <u>Exterior Gypsum Panel Products for Use as Sheathing</u>	IBC							
C1288-99(2010)- <u>14</u>	Standard Specification for Discrete Non-Asbestos Fiber-Cement Interior Substrate Sheets	IBC	IRC						
C1289—43E <u>15</u>	Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board	IBC	IRC						
C1313/C1313M-42-2013	Standard Specification for Sheet Radiant Barriers for Building Construction Applications	IBC							
C1325-08b <u>14</u>	Standard Specification for Non-Asbestos Fiber-Mat Reinforced Cement Backer Units	IBC	IRC						

C1328/C1328M-12	Specification for Plastic (Stucco Cement)	IBC	IRC						
C1371-04a(2010)e115	Standard Test Method For Determination of Emittance of Materials Near Room Temperature Using Portable Emissometers	IECC							
C1396/C1396M-43-2014A	Specification for Gypsum Ceiling Board	IBC							
C1405-4215	Standard Specification for Glazed Brick (Single Fired, Solid-Brick Units)	IRC							
C1440-08(2013)	Specification for Thermoplastic Elastomeric (TPE) Gasket Materials for Drain, Waste, and Vent (DWV), Sewer, Sanitary and Storm Plumbing Systems	IPC	IPSDC	IRC					
C1460-082012	Specification for Shielded Transition Couplings for Use with Dissimilar DWV Pipe and Fittings Above Ground	IPC	IPSDC	IRC					
C1461-08(2013)	Specification for Mechanical Couplings Using Thermoplastic Elastomeric (TPE) Gaskets for Joining Drain, Waste, and Vent (DWV) Sewer, Sanitary, and Storm Plumbing Systems for Above and Below Ground Use	IPC	IPSDC	IRC					
C1540-4415	Specification for Heavy Duty Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings	IPC	IRC						
C1549-09(2014)	Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer	IECC-C							
C1563-2008(2013)	Standard Test Method for Gaskets for Use in Connection with Hub and Spigot Cast Iron Soil Pipe and Fittings for Sanitary Drain, Waste, Vent and Storm Piping	IPC							
C1629/C1692M—4415	Standard Classification for Abuse-Resistant Nondecorated Interior Gypsum Panel Products and Fiber-Reinforced Cement Panels	IBC							
C1634-4415	Standard Specification for Concrete Facing Brick	IRC							
C1658/C1658-4213	Standard Specification for Glass Mat Gypsum Panels	IBC	IRC						
C1668-4213a	Standard Specification for Externally Applied Reflective Insulation systems on Rigid Duct in Heating, Ventilation, and Air Conditioning (HVAC) Systems	IRC							
D41-05/D41M-2011	Specification for Asphalt Primer Used in Roofing, Dampproofing, and Waterproofing	IBC	IRC						
D43/D43M-2000(2006-12)E1	Specification for Coal Tar Primer Used in Roofing, Dampproofing, and Waterproofing	IBC	IRC						
D56-05(2010)	Test Method for Flash Point by Tag Closed Cup Tester	IBC	IFC	IMC					

D86-2012 <u>15</u>	Test Method for Distillation of Petroleum Products at Atmospheric Pressure	IBC	IFC						
D92-2012B	Test Method for Flash and Fire Points by Cleveland Open Cup <u>Tester</u>	IFC							
D93-42 <u>15</u>	Test Method for Flash Point by Pensky-Martens Closed Cup Tester	IBC	IFC	IMC					
D312-00(2006)/D312M-15	Specification for Asphalt Used in Roofing	IBC	IRC						
D323-082015A	Test Method for Vapor Pressure of Petroleum Products (Reid Method)	IFC							
D422-63(2007) <u>E2</u>	Test Method for Particle-Size Analysis of Soils	IBC	IRC						
D448-082012	Standard Classification for Sizes of Aggregate for Road and Bridge Construction	IBC							
D449/D449M-03(200814) <u>E1</u>	Specification for Asphalt Used in Dampproofing and Waterproofing	IRC							
D450D450M-07(2013) <u>E1</u>	Specification for Coal-Tar Pitch Used in Roofing, Dampproofing, and Waterproofing	IBC	IRC						
D635-40 <u>14</u>	Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position	IBC							
D1003-44 <u>13</u>	Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics	IECC-C							
D1143/D1143M-07 <u>14</u> (2013)	Test Methods for <u>Deep Foundations Piles</u> Under Static Axial Compressive Load	IBC							
D1227-95(2007)- <u>13</u>	Specification for Emulsified Asphalt Used as a Protective Coating for Roofing	IBC	IRC						
D1253-08 <u>14</u>	Standard Test Method for Residual Chlorine in Water	IPC							
D1557-2012 <u>E1</u>	Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lb/ft ³ (2,700kN-m/m ³))	IBC							
D1593-09 <u>13</u>	Non-rigid Vinyl Chloride Plastic <u>Film and Sheeting</u>	ISPSC							
D1622/D1622M-08- <u>14</u>	Standard Test Method for Apparent Density of Rigid Cellular Plastics	IRC							
D1693-2013 <u>15</u>	Test Method for Environmental Stress-Cracking of Ethylene Plastics	IRC	IMC						
D1785-42 <u>15</u>	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80 and 120	IPC	IMC	IRC	ISPSC				
D1869-95 (2010)- <u>15</u>	Specification for Rubber Rings for Asbestos -Fiber-Reinforced Cement Pipe	IPC	IPSDC	IRC					
D1929-16	Standard Test Method for Determining Ignition Temperature of Plastics	IBC							

D1970/D1970M-432015A	Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roof Underlayment for Ice Dam Protection	IBC	IRC						
D2126-0915	Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging	IRC							
D2178/D2178M-04-15	Specification for Asphalt Glass Felt Used in Roofing and Waterproofing	IBC	IRC						
D2241-0915	Specification for Poly (Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR-Series)	IPC	IRC	IMC	ISPSC				
D2464-0615	Specification for Threaded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80	IPC	IRC	ISPSC	IMC				
D2466-0615	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40	IPC	IRC	IMC	ISPSC				
D2467-0615	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80	IPC	IRC	IMC	ISPSC				
D2513-20134E1	Specification for Polyethylene (PE) Thermoplastic Gas Pressure Pipe, Tubing, and Fittings	IRC	IMC	IFGC					
D2559-12A	Standard Specification for Adhesives for Bonded Structural Laminated Wood Products for Use under Exterior (West Use) Exposure Conditions	IRC							
D2609-02(2008)15	Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe	IPC	IRC						
D2626/D2626M-04(2012)E1	Specification for Asphalt-Saturated and Coated Organic Felt Base Sheet Used in Roofing	IBC	IRC						
D2661-4414	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings	IPC	IPSDC	IRC					
D2665-4214	Specification for Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings	IPC	IPSDC	IRC					
D2672-96a(2009)14	Specification for Joints for IPS PVC Pipe Using Solvent Cement	IPC	IRC	IMC					
D2683-40E114	Standard Specification for Socket-Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene Pipe and Tubing	IPC							
D2683-2040E114	Specification for Socket-Type Polyethylene Fittings for Outside Diameter-Controlled Polyethylene Pipe and Tubing	IPC	IRC	IMC					
D2824/D2824M-06(2012)E1-2013	Specification for Aluminum-Pigmented Asphalt Roof Coatings, Non-fibered, Asbestos Fibered, and Fibered without Asbestos	IRC	IBC						

D2837-44-2013E1	Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials or Pressure Design Basis for Thermoplastic Pipe Products	IRC	IMC						
D2843-4016	<u>Standard Test Method for Density of Smoke from the Burning of Decomposition of Plastics</u>	IBC							
D2846/D2846M-09BE1-14	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-Water Distribution Systems	IPC	IRC	IMC	ISPSC				
D2859-06(2011)15	Standard Test Method for Ignition Characteristics of Finished Textile Floor Coverings Materials	IBC	IFC						
D2996-04(2007)e0415	Specification for Filament-Wound Fiberglass (Glass Fiber Reinforced Thermosetting Resin) Pipe	IMC							
D3034-0814a	Specification for Type PSM Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings	IPC	IRC	IMC					
D3035-2012E415	Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter	IPC	IRC	IMC					
D3161/D3161M-201315	Test Method for a-Wind-Resistance of Asphalt Shingles <u>Steep Slope Roofing Products</u> (Fan Induced Method)	IBC	IRC						
D3201/D3201M-2013	Test Method for Hygoscopic Properties of Fire-Retardant Wood and Wood-Based Products	IBC	IRC		IWUIC				
D3212-07(2013)	Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals	IPC	IRC		IUWIC				
D3261-12E1	Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for <u>Polyethylene (PE) Plastic Pipe and Tubings</u>	IMC	IPC						
D3350-42E414	Specification for Polyethylene Plastics Pipe and Fittings Materials	IRC	IMC						
D3468/D3468-99(2006)e04(2013)E1*	Specification for Liquid-Applied Neoprene and Chlorosulfonated Polyethylene Used in Roofing and Waterproofing	IBC	IRC						
D3679-4413	Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding	IBC	IRC						
D3689/D3698M-2007 (2013)E1	Test Methods for Deep Foundations Piles Under Static Axial Tensile Load	IBC							
D3909/D3909M-07b(2012)e414	Specification for Asphalt Roll Roofing (Glass Felt) Surfaced with Mineral Granules	IBC	IRC		IWUIC				
D4068-0915	Specification for Chlorinated Polyethylene (CPE) Sheeting for Concealed Water-Containment Membrane	IPC	IRC						
D4272-0915	Test Method for Total Energy Impact of Plastic Films by Dart Drop	IBC							
D4318-10E1	Test Method for Liquid Limit, Plastic Limit, and Plasticity Index of Soils	IBC	IRC						

D4637/D4637M- 2013 <u>14E1</u>	Specification for EPDM Sheet Used in Single-Ply Roof Membrane	IBC	IRC						
D4869/D4869M- 05(2011) <u>0415</u>	Specification for Asphalt-Saturated (Organic Felt) Underlayment Used in Steep Slope Roofing	IBC	IRC						
D4945-12	Test Method for High-Strain Dynamic Testing of Piles <u>Deep Foundations</u>	IBC							
D4990- 1997a(2005) <u>04(2013)</u>	Specification for Coal Tar Glass Felt Used in Roofing and Waterproofing	IBC	IRC						
D5055- 2013 <u>13E1</u>	Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-Joists	IBC	IRC						
D5456- 2013 <u>14B</u>	Standard Specification for Evaluation of Structural Composite Lumber Products	IBC	IRC						
D5665/D5665M- 99a(2006) <u>2014E1</u>	Specification for Thermoplastic Fabrics Used in Cold-Applied Roofing and Waterproofing	IBC	IRC						
D5726- 98(2005) <u>(2013)</u>	Specification for Thermoplastic Fabrics Used in Hot-Applied Roofing and Waterproofing	IBC	IRC						
D6162/D6162M- 2000a(2008) <u>(2015)E1</u>	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements	IBC	IRC						
D6162/D6162M- 2000a(2008) <u>A(2015)E1</u>	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements	IBC	IRC						
D6163/D6163M- 2000(2008) <u>(2015)E1</u>	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Glass Fiber Reinforcements	IBC	IRC						
D6223/D6223M- 02(2011) <u>E1(2009) E1</u>	Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements	IBC	IRC						
D6298- 05 <u>0413</u>	Specification for Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Bituminous Sheets with a Factory Applied Metal Surface	IBC	IRC						
D6305- 08 <u>(2015)E1</u>	Practice for Calculating Bending Strength Design Adjustment Factors for Fire-Retardant-Treated Plywood Roof Sheathing	IBC	IRC						
D6380/D6380- 03(2009) <u>(2013)E1</u>	Standard Specification for Asphalt Roll Roofing (Organic) Felt	IBC	IRC						
D6509/D6509M— 09 <u>(2015)</u>	Standard Specification for Atactic Polypropylene (APP) Modified Bituminous Base Sheet Materials Using Glass Fiber Reinforcements	IBC							

D6694/D6694M-08(2013)E1	Standard Specification for Liquid-applied Silicone Coating Used In Spray Polyurethane Foam Roofing Systems	IBC	IRC						
D6757-2013	Standard Specification for Inorganic Underlayment Felt Containing Inorganic Fibers used in Steep-Slope Roofing Products	IBC	IRC						
D6878/D6878-44A13	Standard Specification for Thermoplastic Polyolefin Based Sheet Roofing	IBC	IRC						
D6947/D6947M-07(2013)E1	Standard Specification for Liquid Applied Moisture Cured Polyurethane Coating Used in Spray Polyurethane Foam Roofing System	IBC	IRC						
D7032-40A14	Standard Specification for Establishing Performance Ratings for Wood-Plastic Composite Deck Boards and Guardrail Systems (Guards or Handrails)	IRC	IWUIC	IBC					
D7147-0611	Specification for Testing and Establishing Allowable Loads of Joist Hangers	IBC							
D 7158/D7158M-11	Standard Test Method for Wind Resistance of Sealed Asphalt Shingles (Uplift Force/Uplift Resistance Method)	IBC	IRC						
D7254—0715	Standard Specification for Polypropylene (PP) Siding	IBC	IRC						
D7425/D7425M-4413	Standard Specification for Spray Polyurethane Foam Used for Roofing Application	IRC							
D7655/D7655M-12	Standard Classification for Size of Aggregate Used as Ballast for Roof Membrane Systems	IBC							
D7672-204214	Standard Specification for Evaluating Structural Capacities of Rim Board Products and Assemblies	IBC	IRC						
E84-2013A2015A	Test Method for Surface Burning Characteristics of Building Materials	IBC	IRC	IFC					
E84-2015B	Standard Test Method for Surface Burning Characteristics of Building Materials	IBC	IRC	IFC	IMC	IEBC			
E96/E96M-204315	Test Method for Water Vapor Transmission of Materials	IBC	IRC						
E119-2016	Standard Test Methods for Fire Tests of Building Construction and Materials	IBC	IRC	IMC	IWUIC				
E136-4216	Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 degrees C	IBC	IRC	IMC	IWUIC	IFGC			
E283-04(2012)	Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors under Specified Pressure Differences Across the Specimen	IRC	IECC	IBC					

E330/ <u>E330M-0214</u>	Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference	IBC	IRC						
E408-71(2008) <u>13</u>	Test Methods for Total Normal Emittance of Surfaces Using Inspection-Meter Techniques	IECC-C							
E408-71(2008) <u>13</u>	Test Methods for Total Normal Emittance of Surfaces Using Inspection-Meter Techniques	IECC-C							
E488/ <u>E488M-1015</u>	Test Method for Strength of Anchors in Concrete and Masonry Elements	IEBC							
E605/ <u>E605M-1993(2011)-(2015)E1</u>	Test Method for Thickness and Density of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members	IBC							
E681-09(2015)	Test Method for Concentration Limits of Flammability of Chemicals (Vapors and Gases)	IBC	IFC						
E736/ <u>E736M-00(2011)-(2015)E1</u>	Test Method for Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members	IBC							
E814-2013A	Standard Test Method of Fire Tests of Penetration Firestop Systems	IBC	IRC	IMC					
E903- 96 <u>12</u>	Standard Test Method Solar Absorptance, Reflectance and Transmittance of Materials Using Integrating Spheres (Withdrawn 2005)	IECC-C							
E970- 2010 <u>14</u>	Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source	IBC	IRC						
E1354- 2013 <u>2016</u>	Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Colorimeter	IBC	IFC						
E1529-14a	Standard Test Method for Determining Effects of Large Hydrocarbon Pool Fires on Structural Members and Assemblies	IFC							
E1537- 2013 <u>2015</u>	Standard Test Method for Fire Testing of Upholstered Furniture	IFC							
E1602- 0203 (2010)E1	Guide for Construction of Solid Fuel-Burning Masonry Heaters	IBC	IRC						
E1677-11	Standard Specification for an Air Retarder (AR) Barrier (AB) Material or Systems for Low-Rise Framed Building Walls	IECC-C							
E1886- 05 <u>13A</u>	Test Method for Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters <u>Impact Protective Systems</u> Impacted by Missiles and Exposed to Cyclic Pressure Differentials	IBC	IRC						
E1918-06(2015)	Standard Test Method for Measuring Solar Reflectance of Horizontal and Low-sloped Surfaces in the Field	IECC-C							

E1966-2015	Standard Test Method for Fire resistant Joint Systems	IBC	IFC						
E1996- 2012A 2014a	Specification for Performance of Exterior Windows, Glazed-Curtain Walls, Doors and Impact Protective Systems Impacted by Winborne Debris in Hurricanes	IBC	IRC						
E2072- 4014	Standard Specification for Photolumiscent (Phosphorescent) Safety Markings	IBC	IFC						
E2174- 40E1 14B	Standard Practice for On-Site Inspection of Installed Fire Stops	IBC							
E2231- 09 15	Standard Practice for Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess to Surface Burning Characteristics	IRC	IMC						
E2307- 2010 15B	Standard Test Method for Determining Fire Resistance of Perimeter Joint System Between an Exterior Wall Assembly and Floor Assembly Fire Barriers Using the Intermediate-Scale, Multi-Story Test Apparatus	IBC							
E2336-2016	Standard Test Methods for Fire Resistive Grease Duct Enclosure Systems	IMC							
E2357-11	Standard Test Method for Determining Air Leakage Rate of Air Barrier Assemblies	IECC-C							
E2392/E2392M-10E1	Standard Guide for Design of Earthen Wall Building Systems	IRC							
E2393-10A-a(2015)	Standard Practice for On-Site Inspection of Installed Fire Resistive Joint Systems and Perimeter Fire Barrier	IBC							
E2397/E2397M-11-2015	Standard Practice for Determination of Dead Loads and Live Loads Associated with <u>Vegatative</u> Green Roof Systems	IBC							
E2404-15a	Standard Practice for Specimen Preparation and Mounting of Textile, Paper or Polymeric (Including Vinyl) and Wood Wall or Ceiling Coverings, Facing and Veneers to Assess Surface Burning Characteristics	IBC	IFC						
E2556/E2556M-10	Standard Specification for Vapor Permeable Flexible Sheet Water-Resistive Barriers Intended for Mechanical Attachment	IBC							
E2570/E2570—07(2014)E1	Standard Test Method for Evaluating Water-Resistive Barrier (WRB) Coatings Used Under Exterior Insulation and Finish Systems (EIFS) for EIFS with Drainage	IBC	IRC						

E2599-15	Standard Practice for Specimen Preparation and Mounting of Reflective Insulation Radiant Barrier and Vinyl Stretch Ceiling Materials for Building Applications to Assess Surface Burning Characteristics	IBC							
E2634-11(2015)	Standard Specification for Flat Wall Insulating Concrete Form (ICF) Systems	IBC	IRC						
E2727-10E1	Standard Practice for Assessment of Rainwater Quality	IPC							
E2751/E2751M-44-13	Standard Practice for Design and Performance of Supported Laminated Glass Walkways	IBC							
F437-0915	Specification for Threaded Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80	IPC	IRC	ISPSC	IMC				
F438-0915	Specification for Socket-Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40	IPC	IRC	IMC	ISPSC				
F439-4213	Specification for Socket-Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80	IPC	IRC	IMC	ISPSC				
F441/F441M-4315	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80	IPC	IRC	IMC					
F442/F442M-13E1	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR)	IPC	IRC	IMC					
F447-4014	Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe	IPC	IPSDC	IRC					
F493-4014	Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings	IPC	IRC	IMC					
F628-0812E1	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe with a Cellular Core	IPC	IPSDC	IRC					
F656-4015	Specification for Primers for Use in Solvent Cement Joints of Poly (Vinyl Chloride) (PVC) Plastic Pipe and Fittings	IPC	IPSDC	IRC					
F876-201315A	Specification for Crosslinked Polyethylene (PEX) Tubing	IPC	IRC	IMC					
F877-2011A	Specification for Crosslinked Polyethylene (PEX) Plastic-Hot- and Cold-Water Distribution Systems	IPC	IRC	IMC					
F1085-4014	Standard Specification for Mattress and Box Springs Use in Berths in Marine Vessels	IFC							
F1085-4014	Standard Specification for Mattress and Box Springs Use in Berths in Marine Vessels	IFC							
F1476-07(2013)	Standard Specification for Performance of Gasketed Mechanical Couplings for Use in Piping Applications	IMC	IPC						

F1488-09E114	Specification for Coextruded Composite Pipe	IPC	IPSDC	IRC					
F1548-01(2006)(2012)	Standard Specification for the Performance of Fittings for Use with Gasketed Mechanical Couplings Used In Piping Applications	IPC							
F1554-07a15	Specification for Anchor Bolts, Steel 36, 55 and 105 ksi Yield Strength	IRC							
F1667-44E115	Specification for Driven Fasteners: Nails, Spikes, and Staples	IBc	IRC						
F1807-204315	Specifications for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing	IPC	IRC	IMC					
F1866-0713	Specification for Poly (Vinyl Chloride) (PVC) Plastic Schedule 40 Draniage and DWV Fabricated Fittings	IPC	IRC						
F1960-4215	Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing	IPC	IRC						
F1970-12E1	Special Engineered Fittings, Appurtenances or Valves for use in Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) Systems	IPC	IRC						
F1973-0813E1	Standard Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) and Polyamide 11 (PA11) and Polyamide 12 (PA12) Fuel Gas Distribution Systems	IRC	IFGC						
F1974-09(2015)	Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene Composite Pressure Pipe	IPC	IRC	IMC					
F2080-4215	Specification for Cold-Expansion Fittings with Metal Compression-Sleeves for Cross-linked Polyethylene (PEX) Pipe	IPC	IRC						
F2090-4013	Specification for Window Fall Prevention Devices with Emergency Escape (Egress) Release Mechanisms	IBC	IRC	IFC	IEBC				
F2098-08	Standard Specification for Stainless Steel Clamps for Securing SDR9 Cross-Linked Polyethylene (PEX) Tubing to Metal Insert and Plastic Insert Fittings	IPC	IRC						
F2158-08(2013)	Standard Specification for Residential Central-Vacuum Tubes and Fittings	IRC							

F2159-44 <u>14</u>	Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing	IPC	IRC	IMC					
F2200-43 <u>14</u>	Standard Specification for Automated Vehicular Gate Construction	IFC							
F2200-43- <u>14</u>	Standard Specification for Automated Vehicular Gate Construction	IBC							
F2306/F2306M-2013 <u>14E1</u>	Specification for 12" to 60" 300 to 1500 mm annular Corrugated Profile-Wall Polyethylene (PE) Pipe and Fittings for Gravity-Flow Storm Sewer and Subsurface Drainage Applications	IPC	IRC	IMC					
F2389-40 <u>15</u>	Specification for Pressure-Rated Polypropylene (PP) Piping Systems	IPC	IRC	IMC					
F2434-09 <u>14</u>	Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp ring for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Cross-Linked Polyethylene/Aluminum/Cross-Linked Polyethylene (PEX-AL-PEX) Tubing	IPC	IRC	IMC					
F2623-08 <u>14</u>	Standard Specification for Polyethylene of Raised Temperature (PE-RT) SDR 9 Tubing	IMC	IRC						
F2735-09	Standard Specification for SDR9 Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing	IMC	IPC	IRC					
F2769-40 <u>14</u>	Polyethylene or Raised Temperature (PE-RT) Plastic Hot and Cold-Water Tubing and Distribution Systems	IMC	IPC	IRC					
F2806-10(2015)	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe (Metric SDR-PR)	IMC	IRC						
F2831-44 <u>12</u>	Standard Practice for Internal Non Structural Epoxy Barrier Coating Material Used in Rehabilitation of Metallic Pressurized Piping Systems	IPC							
F2855-12	Standard Specification for Chlorinated Poly (Vinyl Chloride)/Aluminum/Chlorinated Poly (Vinyl Chloride) (CPVC AL CPVC) Composite Pressure Tubing	IRC							
G152-06 <u>13</u>	Practice for Operating Open Flame Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials	IBC							
G154-06 <u>12a</u>	Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials	IBC							
G155-05a <u>13</u>	Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials	IBC							
AWC	American Wood Council								
Standard Reference Number	Title	Referenced in Code(s):							

<u>ANSI/AWC SDPWS-2015</u>	Special Design Provisions for Wind and Seismic	IBC								
<u>ANSI/AWC WFCM-20152018</u>	Wood Frame Construction Manual for One- and Two-Family Dwellings	IBC	IRC							
<u>ANSI/AWSC_NDS-20152018</u>	National Design Specification (NDS) for Wood Construction - with <u>20152018</u> Supplement	IBC	IRC							
AWCI	The Association of the Wall & Ceiling Industries International									
Standard Reference Number	Title	Referenced in Code(s):								
12-B-0414	Technical Manual 12-B Standard Practice for the Testing and Inspection of Field Applied Thin Film Intumescent Fire-Resistive Materials; an Annotated Guide, Second -Third Edition	IBC								
AWPA	American Wood Protection Association									
Standard Reference Number	Title	Referenced in Code(s):								
M4-16	Standard for the Care of Preservative-Treated Wood Products	IBC	IRC							
U1-16	USE CATEGORY SYSTEM: User Specification for Treated Wood except Section 6 , Commodity Specification H	IBC	IRC							
AWS	American Welding Society									
Standard Reference Number	Title	Referenced in Code(s):								
D1.4/D1.4M- 2011 2017	Structural Welding Code-Reinforcing Steel Including Metal Inserts and Connections in Reinforced Concrete Construction	IBC								
AWWA	American Water Works Association									
Standard Reference Number	Title	Referenced in Code(s):								
C104/A21.4- 08 13	Cement-Mortar Lining for Ductile-Iron Pipe and Fittings for Water	IRC	IPC							
C507- 44 15	Standard for Ball Valves, 6 In. Through 60 In. (<u>150mm Through 1,500mm</u>)	IPC	IRC							
C651- 05 14	Disinfecting Water Mains	IPC								
C901- 08 16	Polyethylene (PE) Pressure Pipe and Tubing, 1/2-3/4 in. (43-19mm) through 3 in. (76mm) for Water Service	IMC	IPC	IRC						
C903- 05 16	Polyethylene-Aluminum-Polyethylene (PE-AL-PE) & Crosslinked Polyethylene -Composite Pressure Pipe (12mm) (1/2 in) through (50-51mm) (2 in) for Water Servi	IRC								
C904- 08 16	Cross-Linked Polyethylene (PEX) Pressure Pipe-Tubing 1/2 in. (42 13mm) Through 3 In. (76mm) for Water Service	IPC	IRC							
D100- 05 11	Standard for Welded Carbon Steel Tanks for Water Storage	IPC								
D115- 06 16	Standard for Tendon Prestressed-Concrete Water Tanks	IPC								
BSI	British Standards Institution									

Standard Reference Number	Title	Referenced in Code(s):							
BS EN 459-2010-2015	Part 1 Building Lime, Definitions and Conformity Criteria, Part 2 Test Methods	IRC							
CEN		European Committee for Standardization							
Standard Reference Number	Title	Referenced in Code(s):							
EN 1081: 1998	Resilient Floor Coverings - Determination of the Electrical Resistance	IBC	IFC						
CGA		Compressed Gas Association							
Standard Reference Number	Title	Referenced in Code(s):							
ANSI/G13-0613(2015)	Storage and Handling of Silane and Silane Mixtures (an American National Standard)	IFC							
ANSI/P-18 (2006) (2013)	Standard for Bulk Inert Gas Systems (an American National Standard)	IFC							
C-7 (2014)(2014)	Guide to Classification and Preparation of Precautionary Labeling and Marking of Compressed Gas Containers - Gases	IFC							
P-1 (2000)(2015)	Standard for Safe Handling of Compressed Gases in Containers	IFC							
S-1.1 (2014)(2017)	Pressure Relief Device Standards - Part 1 Cylinders for Compressed Gases	IFC	IFGC						
S-1.2 (2009)	Pressure Relief Device Standards - Part 2 - Cargo and Portable Tanks for Compressed Gases	IFC	IFGC						
S-1.3 (2008) (2016)	Pressure Relief Device Standards- Part 3 - Stationary Storage Containers for Compressed Gases	IFC	IFGC						
V-1 (2005)(2013)	Standard for Compressed Gas Cylinder Valve Outlet and Inlet Connections	IFC							
CISPI		Cast Iron Soil Pipe Institute							
Standard Reference Number	Title	Referenced in Code(s):							
301-04a12	Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications	IRC	IPC	IPSDC					
310-0412	Specification for Coupling for Use in Connection with Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications	IRC	IPC	IPSDC					
CPA		Composite Panel Association							
Standard Reference Number	Title	Referenced in Code(s):							
A208.1-092016	Particleboard	IBC							
CRRC		Cool Roof Rating Council							
Standard Reference Number	Title	Referenced in Code(s):							
ANSI/CRRC-4-S100-2012-2016	CRRC-4 Standard Test Methods for Determining Radiative Properties of Materials	IECC-C							

A112.18.1- 2012 -2017/CSA B125.1- 2012 17	Plumbing Supply Fittings	IPC	IRC						
A112.18.2- 2011 2015/CSA B125.2- 2011 2015	Plumbing Waste Fittings	IRC	IPC						
A112.18.6- 2017 /CSA B125.6- 2009 17	Flexible Water Connectors	IRC							
A257.3M- 2009 14	Joints for Circular Concrete Sewer and Culvert Pipe, Manhole Sections and Fittings Using Rubber Gaskets	IRC							
AAMA/WDMA/CSA 101/1.S.2/A440- 44 16	North American Fenestration Standard/Specifications for Windows, Doors and Unit Skylights	IBC	IECC	IRC					
ASME/A17.1/CSA B44- 2013 2016	Safety Code for Elevators and Escalators	IRC							
ASME A112.3.4-2013/CSA B 45.9- 99 (R 2013)-13	Macerating Systems and Related Components	IPC	IRC						
ASME A112.19.5- 2011 2017/CSA/B45.15- 2011 17	Flush Valves and Spuds Water Closets, Urinals and Tanks	IRC	IPC						
ASME A112.19.7- 2012 2017/CSA B45.10- 2012 17	Hydromassage Bathtubs Systems	IPC							
ASSE 1016- 2017 /ASME 112.1016- 2017 /CSA B125.16- 2011 2017	Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations	IRC							
B64.1.1- 44 16	Vacuum Breakers, Atmospheric Type (AVB)	IRC	IPC						
B64.1.2- 44 16	Pressure Vacuum Breakers (PVB)	IRC	IPC						
B64.1.3- 44 16	Spill Resistant Pressure Vacuum Breakers (SRPVB)	IPC	IRC						
B64.1.3- 44 16	Spill Resistant Pressure Vacuum Breakers (SRPVB)	IPC	IRC						
B64.2- 07 16	Hose connection vacuum breakers (HCVB)	IRC	IPC						
B64.2- 44 16	Vacuum Breakers, Hose Connection Type (HCVP)	IRC	IPC						
B64.2.1- 44 16	Vacuum Breakers, Hose Connection (HCVB) with Manual Draining Feature	IRC	IPC						
B64.2.2- 07 16	Hose Connection Vacuum Breakers (HCVB) with Automatic Draining Feature	IRC	IPC						
B64.6- 44 16	Dual Check Valve Backflow Preventers (DuC)	IPC	IRC						
B64.10.1- 07 11	Manual for the Maintenance and Field Testing of Backflow Prevention Devices	IPC							
B137.1- 43 16	Polyethylene (PE) Pipe, Tubing and Fittings for Cold Water Pressure Services	IRC	IPC	IMC					
B137.2- 43 16	Polyvinylchloride PVC Injection-Moulded Gasketed Fittings for Pressure Applications	IRC	IPC	ISPSC	IMC				
B137.3- 43 16	Rigid Poly (Vinyl Chloride) (PVC) Pipe for Pressure Applications	IRC	IPC	IPSDC	ISPSC	IMC			
B137.10M- 43 16	Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Composite Pressure-Pipe Systems	IRC	IPC	IMC					

<u>B137.11-4316</u>	Polypropylene (PP-R) Pipe and Fittings for Pressure Applications	IRC	IPC						
<u>B181.1-4415</u>	Acrylonitrile-butadiene-styrene (ABS) Drain, Waste, and Vent Pipe and Pipe Fittings	IRC	IPC	IPSDC					
<u>B181.2-4415</u>	Polyvinylchloride PVC Drain, and chlorinated polyvinylchloride (CPVC) Drain, Waste, and Vent Pipe and Pipe Fittings	IRC	IPC	IPSDC					
<u>B181.3-4415</u>	Polyolefin and polyvinylidene (PVDF) Laboratory Drainage Systems	IRC	IPC						
<u>B182.4-4415</u>	Profile PVC Sewer Pipe and Fittings	IRC	IPC	IPSDC					
<u>B182.6-4415</u>	Profile Polyethylene (PE) Sewer Pipe and Fittings for leak proof sewer applications	IRC	IPC						
<u>B182.8-4415</u>	Profile Polyethylene (PE) Storm Sewer and Drainage Pipe and Fittings	IRC	IPC						
<u>B483.1-07(R2012)</u>	Drinking Water Treatment Systems	IRC							
<u>B602-4015</u>	Mechanical Couplings for Drain, Waste, and Vent Pipe and Sewer Pipe	IRC	IPC						
<u>C22.2 No. 108-01 (R2010)14</u>	Liquid pumps	ISPSC							
<u>CAN/CSA A257.1M-2009-14</u>	Non-reinforced circular concrete culvert, storm drain, sewer pipe and fittings	IRC	IPC	IPSDC					
<u>CAN/CSA A257.2M-2009-14</u>	Reinforced circular concrete culvert, storm drain, sewer pipe, and fittings	IRC	IPC	IPSDC					
<u>CAN/CSA C448 Series-02-CSA-2002-16</u>	Design and installation of earth energy systems-First Edition; Update 2: October 2009; Consolidated Reprint 10/2009	IRC	IMC						
<u>CSA 00325-07</u>	Construction Sheathing	IRC							
<u>CSA 8-93</u>	Requirements for Gas-Fired Log Lighters for Wood Burning Fireplaces with Revisions through January 1999	IRC	IFGC						
<u>CSA B45.5-4417/IAPMO Z124-20142017</u>	Plastic Plumbing Fixtures	IRC	IPC						
<u>CSA B55.1-20122015</u>	Test Method for measuring efficiency and pressure loss of drain water heat recovery units	IECC							
<u>CSA B55.2-20122015</u>	Drain water heat recovery units	IECC							
<u>CSA B64.2-0716</u>	Hose connection vacuum breakers (HCVB)	IRC	IPC						
<u>CSA B64.2.1.1-4416</u>	Hose Connection Dual Check Vacuum Breakers (HCDVB)	IRC	IPC						
<u>CSA B64.2.2-0716</u>	Hose Connection Vacuum Breakers (HCVB) with Automatic Draining Feature	IRC	IPC						
<u>CSA B64.2.2-4416</u>	Vacuum Breakers, Hose Connection Type (HCVB) with Automatic Draining Feature	IRC	IPC						
<u>CSA B64.3-4416</u>	Dual Check Valve Backflow Preventers Atmospheric Port (DCAP)	IRC	IPC						

CSA B64.4-4416	Backflow Preventers, Reduced Pressure Principle (RP)	IRC	IPC						
<u>CSA B64.4.1-4416</u>	Reduced Pressure Principle for Fire Sprinklers (RPF)	IRC	IPC						
CSA B64.5-4416	Double Check Backflow Preventers (DCVA)	IRC	IPC						
<u>CSA B64.5.1-4416</u>	Double Check Valve Backflow Preventers Type for Fire Systems (DCVAF)	IRC	IPC						
<u>CSA B64.7-4416</u>	Laboratory Facet Vacuum Breakers (LFVB)	IRC	IPC						
CSA B137.5- 4316	Cross-Linked Polyethylene (PEX) Tubing Systems for Pressure Applications	IRC	IPC	IMC					
CSA B137.6- 4316	Chlorinated Polyvinylchloride CPVC Pipe, Tubing and Fittings for Hot and Cold Water Distribution Systems	IRC	IPC	ISPSC	IMC				
CSA B137.9-4316	Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure-Pipe Systems	IRC	IMC						
CSA C22.2 No. 218.1-M89(R2011)13	Spas, hot tubs and associated equipment	ISPSC	IMC						
CSA C22.2 No. 236-201115	Heating and cooling equipment	ISPSC	IMC						
<u>UL/CAN/CSA/ANCE C22.2 NO. 60335-2-40-2012</u>	Standard for Safety of Household and Similar Electrical Appliances, Part 2 -40: Particular Requirements for Motor Compressors electrical heat pumps, air-conditioners and dehumidifiers	IRC							
Z21.50/CSA 2.22-20122016	Vented Gas Fireplace Heaters	IRC	IFGC						
Z21.56a/CSA 4.7-20132017	Gas-Fired Pool Heaters	ISPSC							
Z21.88/CSA 2.33-452016	Vented Gas Fireplace Heaters	IRC	IFGC						
DASMA	Doors and Access Systems Manufacturers Association International								
Standard Reference Number	Title	Referenced in Code(s):							
ANSI/DASMA 105-20122016	Test Method for Thermal Transmittance and Air Infiltration of Garage Doors <u>and Rolling Doors</u>	IECC							
ANSI/DASMA 107-1997 (R2012)2017	Room Fire Test Standard for Garage Doors Using Foam Plastic Insulation	IBC							
ANSI/DASMA 108-20122017	Standard Method for Testing Sectional Garage Doors, and Rolling Doors <u>and Flexible Doors</u> : Determination of Structural Performance Under Uniform Static Air Pressure Difference	IBC	IRC						
ANSI/DASMA 115-20122016	Standard Method for Testing Sectional Garage Doors, and Rolling Doors <u>and Flexible Doors</u> : Determination of Structural Performance Under Missile Impact and Cyclic Wind Pressure	IBC	IRC						
DOC	United States Department of Commerce								
Standard Reference Number	Title	Referenced in Code(s):							
16 CFR Part 1632 (2009)(2015)	Standard for the Flammability of Mattress and Mattress Pads (FF 4-72, Amended)	IFC							

DOE	U.S. Department of Energy									
Standard Reference Number	Title	Referenced in Code(s):								
10 CFR, Part 430- 1998 <u>2015</u>	Energy Conservation Program for Consumer Products: Test Procedures and Certification and Enforcement Requirement for Plumbing Products; and Certification and Enforcement Requirements for Residential Appliances; Final Rule	IECC-C								
10 CFR Part 430, Subpart B, Appendix N (1998)(<u>2015</u>)	Uniform Test Method for Measuring the Energy Consumption of Furnaces and Boilers	IECC-C								
10 CFR Part 431, 2004 (<u>2015</u>)	Energy Efficiency Program for Certain Commercial and Industrial Equipment: Test Procedures and Efficiency Standards Final Rules	IECC-C								
DOL	U. S. Department of Labor									
Standard Reference Number	Title	Referenced in Code(s):								
29 CFR Part 1910.1000 (2009)(<u>2015</u>)	Air Contaminants	IBC	IFC	IMC						
29 CFR Part 1910.1025 (2009)(<u>2015</u>)	Toxic and Hazardous Substances	IMC								
29 CFR Part 1910.1200 (2009)(<u>2015</u>)	Hazard Communication	IFC								
DOTn	Department of Transportation									
Standard Reference Number	Title	Referenced in Code(s):								
33 CFR Part 154 (1998)(<u>2015</u>)	Facilities Transferring Oil or Hazardous Material in Bulk	IFC								
33 CFR Part 155 (1998) (2015)	Oil or Hazardous Material Pollution Prevention Regulations for Vessels	IFC								
33 CFR Part 156 (1998)(<u>2015</u>)	Oil and Hazardous Material Transfer Operations	IFC								
49 CFR Part 172- 2009 <u>2015</u>	Hazardous Materials Tables, Special Provisions, Hazardous Materials Communications, Emergency Response Information and Training Requirements	IBC	IFC							
49 CFR Parts 100 to 185- 2005 (<u>2015</u>)	Hazardous Materials Regulations	IBC	IFC							
49 CFR Parts 173-178 (1998)(<u>2015</u>)	Specification of Transportation of Explosive and Other Dangerous Articles, UN 0335, UN 0336 Shipping Containers	IBC								
DOTy	U. S. Department of Treasury									
Standard Reference Number	Title	Referenced in Code(s):								
27 CFR Part 55 (1998)(<u>2015</u>)	Commerce in Explosives	IFC								
EPA	Environmental Protection Agency									
Standard Reference Number	Title	Referenced in Code(s):								
40 CFR Part 355- 2008 <u>2015</u>	Emergency Planning and Notification	IFC								
FCC	Federal Communications Commission									
Standard Reference Number	Title	Referenced in Code(s):								
47 CFR Part 90.219- 2007 <u>2014</u>	Private Land Mobile Radio Services-Use of Signal Boosters	IFC								
FM	FM Global									
Standard Reference Number	Title	Referenced in Code(s):								

4470- 2014 2016	Approval Standard for Single-Ply Polymer-Modified Bitumen Sheet, Built-Up Roof (BUR) and Liquid Applied Roof Assemblies for Use in Class 1 and Non-combustible Roof Deck Construction	IBC								
4496- 13 2016	Approval Standard for Classification of Pallets and other Materials Handling Products as Equivalent to Wood Pallet	IFC								
4880 (2010)2015	Approval Standard for Class 1 Rating of Insulated Wall or Wall and Roof/Ceiling Building Panels, or Interior Finish Materials, or Coatings and Exterior Finish Systems	IBC	IRC							
GA	Gypsum Association									
Standard Reference Number	Title	Referenced in Code(s):								
GA-216- 2013 2016	Application and Finishing of Gypsum Panel Products	IBC								
GA-253- 2012 2017	Application of Gypsum Sheathing	IRC								
GA-600- 2012 2015	Fire Resistance Design Manual, 20th 21st Edition	IBC								
HPVA	Hardwood Plywood and Veneer Association									
Standard Reference Number	Title	Referenced in Code(s):								
<u>ANSI/HPVA HP-1-2013</u> 2016	American National Standard for Hardwood and Decorative Plywood	IBC								
IAPMO	International Association of Plumbing and Mechanical Officials									
Standard Reference Number	Title	Referenced in Code(s):								
IAPMO Z124.7- 2012 2013	Prefabricated Plastic Spa Shells	ISPSC								
IAPMO Z1001-2007 2014	Prefabricated Gravity Grease Interceptors	IPC								
ICC	International Code Council									
Standard Reference Number	Title	Referenced in Code(s):								
IBC- 45 18	International Building Code	IRC	IFC	IMC	IPC	IPSDC	IFGC	IECC	IEB ^C	
ICC 300- 42 17	ICC Standard on Bleachers, Folding and Telescopic Seating, and Grandstands	IBC	IFC	IEBC						
ICC 400- 42 17	Standard for The Design and Construction of Log Structures	IBC	IRC	IECC-R						
ICC A117.1-09	Accessible and Usable Buildings and Facilities	IFC	IZC	IEBC	IPC	IRC	IBC			
IEBC- 45 18	International Existing Building Code	IBC	IRC	IPC	IMC	IFGC	IECC	IPMC		IPC
IECC- 45 -18	International Energy Conservation Code	IBC	IRC	IMC	IFGC	IPMC	IPSDC			
IFC- 45 18	International Fire Code	IBC	IRC	IMC	IPC	IFGC	IWUIC	IEBC	IPM ^C	
IFGC- 45 18	International Fuel Gas Code	IBC	IRC	IFC	IMC	IPC	IECC	ISPSC		IEB ^C
IMC- 45 18	International Mechanical Code	IBC	IRC	IFC	IPC	IFGC	IECC			
IPC 45 18	International Plumbing Code	IBC	IRC	IFC	IMC	IPSDC	IFGC	IEBC		

IPMC- 45 <u>18</u>	International Property Maintenance Code	IBC	IRC	IFC	IEBC	IWUIC	IFGC	IMC	IPC
IPSDC- 45 <u>18</u>	International Private Sewage Disposal Code	IBC	IPC	IRC					
IRC- 45 <u>18</u>	International Residential Code	IBC	IFC	IMC	IFGC	IEBC	IPC	IPMC	IPSD
ISPSC- 45 <u>18</u>	International Swimming Pool and Spa Code	IECC	IFC	IFGC	IMC	IPC	IRC		
IWUIC- 45 <u>18</u>	International Wildland-Urban Interface Code	IBC	IFC	IPMC					
IZC- 45 <u>18</u>	International Zoning Code	IBC	IMC						
IES	Illuminating Engineering Society								
Standard Reference Number	Title	Referenced in Code(s):							
ANSI/ASHRAE/IESNA 90.1- 2013 <u>2016</u>	Energy Standard for Buildings Except Low-Rise Residential Buildings	IECC							
IIAR	International Institute of Ammonia Refrigeration								
Standard Reference Number	Title	Referenced in Code(s):							
IIAR 02-2014	Addendum A to Equipment, Safe Design, and Installation of Closed-Circuit Ammonia Mechanical Refrigerating Systems	IMC	IFC						
IKECA	International Kitchen Exhaust Cleaning Association								
Standard Reference Number	Title	Referenced in Code(s):							
C10- 2011 <u>2016</u>	IKECA C10, Standard for the Methodology for Cleaning for Commercial Kitchen Exhaust Systems	IFC							
ISEA	the International Safety Equipment Association								
Standard Reference Number	Title	Referenced in Code(s):							
ANSI/ISEA Z358.1- 2009 <u>2014</u>	Emergency Eyewash and Shower Equipment	IPC							
MSS	Manufacturers Standardization Society of the Valve and Fittings Industry								
Standard Reference Number	Title	Referenced in Code(s):							
SP-42- 2009 <u>2013</u>	Corrosion Resistant Gate, Globe, Angle and Check Valves with Flanged and Butt Weld Ends (Classes 150, 300 & 600)	IPC	IRC						
SP-70- 2011 <u>2013</u>	Gray Iron Gate Valves, Flanged and Threaded Ends	IPC	IRC						
SP-71- 2011 <u>2013</u>	Gray Iron Swing Check Valves, Flanged and Threaded Ends	IPC	IRC						
SP-72-2010a	Ball Valves with Flanged or Butt-Welding Ends for General Service	IPC	IRC						
SP-78- 2011 <u>2013</u>	Cast Iron Plug Valves, Flanged and Threaded Ends	IPC	IRC						
SP-80- 2008 <u>2013</u>	Bronze Gate, Globe, Angle and Check Valves	IPC	IRC						
SP-110-2010a	Ball Valves, Threaded, Socket Welded-ing, Solder Joint, Grooved and Flared Ends	IPC	IRC						
NAAMM	National Association of Architectural Metal Manufacturers								
Standard Reference Number	Title	Referenced in Code(s):							

FP 1001-0717	Guide Specifications for Design of Metal Flag Poles, Fourth Edition	IBC							
NEMA	National Electrical Manufacturers Association								
Standard Reference Number	Title	Referenced in Code(s):							
MG1- 4993 2014	Motors and Generators	IECC-C							
Z535- 2006 2017	ANSI/NEMA Color Chart	ISPSC							
250- 2003 2014	Enclosures for Electrical Equipment (1000 Volts Maximum)	IFC							
NFPA	National Fire Protection Association								
Standard Reference Number	Title	Referenced in Code(s):							
02-4416	Hydrogen Technologies Code	IFC							
10-4317	Standard for Portable Fire Extinguishers	IFC	IBC						
11-4015	Standard for Low-, Medium-, and High-Expansion Foam	IFC	IBC						
12-4415	Standard on Carbon Dioxide Extinguishing Systems	IFC	IBC						
12A-0915	Standard on Halon 1301 Fire Extinguishing Systems	IFC	IBC						
13-4316	Standard for the Installation of Sprinkler Systems	IFC	IBC	IRC					
13D-4316	Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes	IFC	IRC	IBC					
13R-4316	Standard for the Installation of Sprinkler Systems in <u>Low-Rise Residential Occupancies</u>	IBC	IEBC	IRC					
14-4316	Standard for the Installation of Standpipe, Private Hydrants and Hose Systems	IFC	IBC						
15-4217	Standard for Water Spray Fixed Systems for Fire Protection	IFC							
16-4415	Standard for the Installation of Foam-Water Sprinkler and Foam-Water Spray Systems	IFC	IBC						
17-4317	Standard for Wet Chemical Extinguishing Systems	IFC	IBC						
17A-4317	Standard for Wet Chemical Extinguishing Systems	IFC	IBC						
20-4316	Standard for the Installation of Stationary Pumps for Fire Protection	IFC	IBC						
22-4318	Standard for Water Tanks for Private Fire Protection	IFC							
24-4316	Standard for the Installation of Private Fire Service Mains and Their Appurtenances	IFC							
25-4417	Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems	IFC	IPMC						
30-4518	Flammable and Combustible Liquids Code	IFC	IBC						
30A-4518	Code for Motor Fuel Dispensing Facilities and Repair Garages	IFC	IMC	IFGC	IBC				

31-4415	Standard for the Installation of Oil-Burning Equipment	IFC	IRC	IMC	IBC				
32-4415	Standard for Drycleaning Plants	IFC	IBC						
33-4416	Standard for Spray Application Using Flammable or Combustible Materials	IFC							
34-4415	Standard for Dipping and Coating Processes Using Flammable or Combustible Liquids	IFC							
35-4415	Standard for the Manufacture of Organic Coatings	IFC							
37-4518	Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines	IMC	IFGC						
40-4416	Standard for the Storage and Handling of Cellulose Nitrate Film	IFC	IBC						
51-43-18	Standard for the Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes	IFC	IPC	IFGC					
52-4316	Vehicular Gaseous Fuel Systems Code	IFC							
55-4316	Compressed Gases and Cryogenic Fluids Code	IFC							
56-4417	Standard for Fire and Explosion Prevention during Cleaning and Purging of Flammable Gas Piping Systems	IFC							
58-4417	Liquefied Petroleum Gas Code	IFC							
59A-4316	Standard for the Production, Storage and Handling of Liquefied Natural Gas (LNG)	IFC							
61-4317	Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities	IFC	IBC						
70-4417	National Electrical Code	IRC	IEBC	IBC	IWUIC	IPMC			
72-4316	National Fire Alarm and Signaling Code	IFC	IBC	IRC	IMC	IEBC			
80-4316	Standard for Fire Doors and Other Opening Protectives	IFC	IBC						
91-4015	Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Particulate Solids	IMC							
91-4015	Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Particulate Solids	IMC							
92-4215	Standard on Smoke Control Systems	IFC	IBC	IMC					
96-4417	Standard for Ventilation Control and Fire Protection Commercial Cooking Operations	IMC							
99-4518	Health Care Facilities Code	IBC	IFC	IEBC	IPC				
101-4518	Life Safety Code	IBC	IFC	IEBC					
105-4316	Standard for the Installation of Smoke Door Assemblies and Other Opening Protectives	IBC	IFC						

110- 43 16	Standard for Emergency and Standby Power Systems	IFC	IBC	IECC					
120- 40 15	Standard for Fire Prevention and Control in Coal Mines	IFC	IBC						
160- 44 16	Standard Use of Flame Effects Before an Audience	IFC							
170- 45 18	Standard for Fire Safety and Emergency Symbols	IFC	IBC						
204- 42 15	Standard for Smoke and Heat Venting	IFC							
211- 43 16	Standard for Chimneys, Fireplaces, Vents and Solid Fuel-Burning Appliances	IMC	IFGC						
221- 45 18	Standard for High Challenge Fire Walls, Fire Walls and Fire Barrier Walls	IBC							
241- 43 18	Standard for Safeguarding Construction, Alteration, and Demolition Operations	IFC							
252- 42 17	Standard Methods of Fire Tests of Door Assemblies	IBC							
253- 44 15	Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source	IBC	IFC						
257- 42 17	Standard on Fire Test for Window and Glass Block Assemblies	IBC							
259- 43 18	Standard Test Method for Potential Heat of Building Materials	IBC	IRC						
260- 43 18	Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture	IFC							
261- 43 18	Standard Method of Test for Determining Resistance of Mock-Up Upholstered Furniture Material Assemblies to Ignition by Smoldering Cigarettes	IFC							
262- 44 15	Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-Handling Spaces	IMC	IBC						
265- 44 15	Standard Methods of Fire Tests for Evaluating Room Fire Growth Contribution of Textile or Expanded Vinyl Wall Coverings on Full Height Panels and Walls	IBC	IFC						
268- 42 17	Standard Test Method for Determining Ignitibility of Exterior Wall Assemblies Using a Radiant Heat Energy Source	IBC							
268- 42 17	Standard Test Method for Determining Ignitibility of Exterior Wall Assemblies Using a Radiant Heat Energy Source	IBC							
274- 43 18	Standard Test Method to Evaluate Fire Performance Characteristics of Pipe Insulation	IMC							

275-4317	Standard Method of Fire Tests for the Evaluation of Thermal Barriers	IBC	IRC						
276-4415	Standard Method of Fire Test For Determining the Heat Release Rate of Roofing Assemblies with Combustible Above-Desk Roofing Components	IBC							
285-4217	Standard Fire test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components	IBC							
288-42-17	Standard Methods of Fire Tests of Horizontal Fire Door Assemblies Installed in Horizontal Fire-Resistance-Rated Assemblies	IBC							
289-4318	Standard Method of Fire Test for Individual Fuel Packages	IFC	IBC						
303-4416	Fire Protection Standard for Marinas and Boatyards	IFC							
318-4518	Standard for the Protection of Semiconductor Fabrication Facilities	IFC							
326-4015	Standard for the Safeguarding of Tanks and Containers for Entry, Cleaning or Repair	IFC							
385-4217	Standard for Tank Vehicles for Flammable and Combustible Liquids	IFC							
400-4316	Hazardous Materials Code	IFC							
407-4217	Standard for Aircraft Fuel Servicing	IFC							
409-4416	Standard on Aircraft Hangers	IFC	IBC	IFGC					
410-4015	Standard on Aircraft Maintenance	IFC							
418-4416	Standard for Heliports	IBC							
484-4518	Standard for Combustible Metals	IFC							
495-4318	Explosive Materials Code	IFC							
498-4318	Standard for Safe Havens and Interchange Lots for Vehicles Transporting Explosives	IFC							
501-4317	Standard on Manufactured Housing	IRC							
505-4318	Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations	IFC							
654-4317	Standard for the Prevention of Fire & Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids	IBC	IFC						
655-4217	Standard for the Prevention of Sulfur Fires and Explosions	IBC	IFC						
664-4217	Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities	IBC	IFC						
701-4015	Standard Method of Fire Tests for Flame-Propagation of Textiles and Films	IFC	IBC						

703- 45 18	Standard for Fire Retardant Treated Wood and Fire Retardant Coatings for Building Materials	IFC							
704- 42 17	Standard System for the Identification of the Hazards of Materials for Emergency Response	IFC	IMC	IBC					
790-4418	Standard Test for Competency of Third-Party Field Evaluation Bodies	IFC							
853- 40 15	Standard for the Installation of Stationary Fuel Cell Power Systems	IRC	IMC	IFGC					
914- 40 15	Code for Fire Protection of Historic Structures	IFC							
1122- 43 18	Code for Model Rocketry	IFC							
1123-4418	Code for Fireworks Display	IFC							
1124- 43 17	Code for the Manufacture, Transportation, Storage and Retail Sales of Fireworks and Pyrotechnic Articles	IFC	IBC						
1125- 42 17	Code for the Manufacture of Model Rocket and High Power Rocket Motors	IFC							
1126-4416	Standard for the Use of Pyrotechnics Before a Proximate Audience	IFC							
1127- 43 18	Code for High Power Rocketry	IFC							
1142- 42 17	Standard on Water Supplies for Suburban and Rural Fire Fighting	IFC							
1901- 09 16	Standard for Automotive Fire Apparatus	IFC							
2001- 42 15	Standard on Clean Agent Fire Extinguishing Systems	IFC	IBC						
NFRC	National Fenestration Rating Council Inc.								
Standard Reference Number	Title	Referenced in Code(s):							
100- 2009 2017	Procedure for Determining Fenestration Product U-factors- Second Edition	IECC							
200- 2009 2017	Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence- Second Edition	IECC							
400- 2009 2017	Procedure for Determining Fenestration Product Air Leakage- Second Edition	IECC							
NSF	NSF International								
Standard Reference Number	Title	Referenced in Code(s):							
3- 2010 2012	Commercial Warewashing Equipment	IPC							
14- 2014 2015	Plastic Piping System Components and Related Materials	IRC	IPC	ISPSC	IMC				
40- 2012 2013	Residential Wastewater Treatment Systems	IPSDC							
42- 2014 2015	Drinking Water Treatment Units - Aesthetic Effects	IRC	IPC						
44- 2012 2015	Residential Cation Exchange Water Softeners	IRC	IPC						

50-20122015	Equipment for Swimming Pools, Spas, Hot Tubs, and other Recreational Water Facilities	ISPSC	IPC							
53-2014A2015	Drinking Water Treatment Units - Health Effects	IRC	IPC							
58-20122015	Reverse Osmosis Drinking Water Treatment Systems	IRC	IPC							
61-20122015	Drinking Water System Components - Health Effects	IRC	IPC							
62-20122015	Drinking Water Distillation Systems	IPC								
350-20142014	Onsite Residential and Commercial Water Reuse Treatment Systems	IPC	IRC							
358-1-20142014	Polyethylene Pipe and Fittings for Water-Based Ground Source "Geothermal" Heat Pump Systems	IRC	IMC							
372-20102011	Drinking Water Systems Components - Lead Content	IPC								
PSAI	Portable Sanitation Association International									
Standard Reference Number	Title	Referenced in Code(s):								
Z4.3- 9515	Minimum Requirements for Nonsewered Waste-Disposal Systems	IPC								
SBCA	Structural Building Components Association									
Standard Reference Number	Title	Referenced in Code(s):								
BCSI-2013 (<u>updated March 2015</u>)	Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses	IRC								
SDI	Steel Deck Institute									
Standard Reference Number	Title	Referenced in Code(s):								
ANSI/SDI NC1.0-102017	Standard for Non-Composite Steel Floor Deck	IBC								
ANSI/SDI RD1.0-102017	Standard for Steel Roof Deck	IBC								
SDI-C-20142017	Standard for Composite Steel Floor Deck Slabs	IBC								
SDI QA/QC-20142017	Standard for Quality Control and Quality Assurance for Installation of Steel Deck	IBC								
SJI	Steel Joist Institute									
Standard Reference Number	Title	Referenced in Code(s):								
CJ-10-SJI-200-16	Standard Specification for Composite Steel Joists, CJ-Series	IBC								
SMACNA	Sheet Metal & Air Conditioning Contractors									
Standard Reference Number	Title	Referenced in Code(s):								
SMACNA\ANSI (2015)-(2016)	HVAC Duct Construction Standards-Metal and Flexible 4th Edition (ANSI) 2016	IMC	IRC							
SPRI	Single-Ply Roofing Institute									
Standard Reference Number	Title	Referenced in Code(s):								
ANSI/SPRI/FM4435-ES-1-11	Wind Test Standard for Edge Systems Used with Low Slope Roofing	IBC								

ANSI/SPRI VF1-10	External Fire Design Standard for Vegetative Roofs	IBC								
SRCC	Solar Rating Certification Corporation									
Standard Reference Number	Title	Referenced in Code(s):								
<u>ICC 900/SRCC 300-432015</u>	Standard 300 for Solar Water Heating Systems <u>Solar Thermal System Standard</u>	IRC								
<u>ICC 901/SRCC 100-432015</u>	Standard 100 for Solar Collectors <u>Solar Thermal Collector Standard</u>	IRC								
TCNA	Tile Council of North America									
Standard Reference Number	Title	Referenced in Code(s):								
A108.1A-9916	Installation of Ceramic Tile in the Wet-set Method, with Portland Cement Mortar	IBC	IRC							
A118.1-9916	American National Standard Specification for Dry-Set Cement Mortar	IBC	IRC							
A118.3-9913	American National Standard Specifications for Chemical Resistant, Water Cleanable Tile-setting and -grouting Epoxy and Water Cleanable Tile-setting Epoxy Adhesive	IBC	IRC							
A118.4-9916	American National Standard Specifications for Latex portland <u>Modified Dry-Set</u> Cement Mortar	IBC								
A118.6-9910	<u>American National Standard</u> Specifications for <u>Standard</u> Cement Grouts for Tile Installation	IBC								
A136.1-9908	American National Standard Specifications for Organic Adhesives for Installation of Ceramic Tile	IBC	IRC							
A137.1-200817	Standard Specifications for Ceramic Tile	IBC	IRC							
TIA	Telecommunications Industry Association									
Standard Reference Number	Title	Referenced in Code(s):								
<u>222-GH-2005-2016</u>	Structural Standards for Antenna Supporting Structures and Antennas, Including Addendum 1, 222-G-1, Dated 2007, Addendum 2, 222-G-2 dated 2009, Addendum 3, 222-3 dated 2013 and Addendum 4, 222-G-4 dated 2014	IBC								
TMS	The Masonry Society									
Standard Reference Number	Title	Referenced in Code(s):								
<u>402-20132016</u>	Building Code for Masonry Structures	IBC	IRC							
<u>403-20132017</u>	Direct Design Handbook for Masonry Structures	IBC	IRC							
<u>602-20132016</u>	Specification for Masonry Structures	IBC	IRC							
UL	Underwriter Laboratories									
Standard Reference Number	Title	Referenced in Code(s):								

UL/CSA/ANCE 60335-2-40-2012	Standard for <u>safety of Household and Similar Electrical Appliances, part 2-40: particular requirements for Motor-Compressors for electrical heat pumps, air-conditioners and dehumidifiers</u>	IRC							
09-2009	Fire Tests of Window Assemblies <u>with revisions through February 2015.</u>	IBC							
10A-2009	Tin Clad Fire Doors - <u>with revisions through December 2013.</u>	IBC							
10B-2008	Fire Tests of Door Assemblies - with revisions through April 2009 <u>February 2015</u>	IBC							
10C-2009	Positive Pressure Fire Tests of Door Assemblies <u>with revisions through February 2015</u>	IBC	IFC						
14B-2008	Sliding Hardware for Standard Horizontally Mounted Tin Clad Fire Doors- <u>with revisions through May 3, 2013</u>	IBC							
17-2008	Vent or Chimney Connector Dampers for Oil-Fired Appliances - with Revisions through January 2010 <u>September 2013</u>	IRC	IMC						
30-95	Metal Safety Cans - with Revisions through July 2009 <u>June 2014</u>	IFC							
80-2007	Steel Tanks for Oil-Burner Fuels and Other Combustible Liquids - with revisions through August 2009 <u>January 2014</u>	IRC	IFC						
87A- 12 15	Outline of Investigation for Power-Operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 percent	IFC							
127-11	Factory-Built Fireplaces- <u>with revisions through May 2015</u>	IBC	IRC	IMC					
142-06	Steel Aboveground Tanks for Flammable and Combustible Liquids with revisions through February 12, 2010 <u>August 2014</u>	IFC	IPC						
174-04	Household Electric Storage Tank Water Heaters - with Revisions through September 2012 <u>April 2015</u>	IRC	IMC						
197-10	Commercial Electric Cooking Appliances - with revisions through June 2011 <u>September 2014</u>	IMC							
207-2009	Refrigerant-Containing Components and Accessories, Nonelectrical - <u>with revisions through June 2014</u>	IMC	IRC						
217-2006	Single and Multiple Stations Smoke Alarms - with revisions through April 2012 <u>October 2015</u>	IBC	IRC	IFC					
263-11	Standard for Fire Test of Building Construction and Materials - <u>with revisions through June 2015</u>	IBC	IRC	IWUIC					

268A-2008	Smoke Detectors for Duct Application - with Revisions through September 2009 <u>October 2014</u>	IMC							
294-1999	Access Control Systems Units with revisions through September 2010 <u>February 2015</u>	IBC	IFC						
300-2005(R2010)	Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment with revisions through July 16, 2010 <u>December 2014</u>	IBC	IFC						
305-2012	Panic Hardware - with revisions through <u>August 2014</u>	IBC	IFC						
325-2002	Door, Drapery, Gate, Louver and Window Operations and Systems - with revisions through June 2013 <u>May 2015</u>	IRC	IFC	IBC					
372-2007	Automatic Electrical Controls for Household and Simular Use - Part 2: Particular Requirements for Burner Ignition Systems and Components with revisions through July 25, 2012	ISPSC							
378-06	Draft Equipment - with revisions through January 2010 <u>June 12, 2014</u>	IRC	IMC						
391-2010	Solid-Fuel and Combination-Fuel Central and Supplementary Furnaces - with revisions through March 2010 <u>June 2014</u>	IMC							
399-2008	Drinking-Water Coolers with revisions through January 14, 2011 <u>October 2013</u>	IPC							
412-2011	Refrigeration Unit Coolers - with Revisions through August 2012 <u>September 2013</u>	IMC							
430-2009	Waste Disposers, with revisions through March 23, 2011 <u>September 2015</u>	IPC							
441-2010	Gas Vents - with revisions through <u>June 12, 2014</u>	IRC	IFGC						
499-05	Electric Heating Appliances-with revisions through February 2013 <u>November 2014</u>	IMC	IFC						
508-99	Industrial Control Equipment - with revisions through March 2013 <u>October 2013</u>	IMC	IPC	IRC					
515-2011	Electric Resistance Heat Tracing for Commercial and Industrial Applications including revisions through November 30, 2011 <u>July 2015</u>	IECC-R							
536-1997	Flexible Metallic Hose - with Revisions through June 2003 <u>December 2014</u>	IRC	IMC						
555-2006	Fire Dampers-with revisions through May 2012 <u>2014</u>	IBC	IRC						
555C-2006	Ceiling Dampers-with revisions through May 2010 <u>December 2014</u>	IBC	IMC						

555S-1999	Smoke Dampers - with Revisions through May 2012 February 2014								
580-2006	Test for Uplift Resistance of Roof Assemblies with Revisions through July 2009 October 2013	IBC							
586-2009	High-Efficiency, Particulate, Air Filter Units- with revisions through <u>September 2014</u>	IMC							
641-2010	Type L Low-Temperature Venting Systems - with revisions through May 2013 June 2013	IBC	IRC	IMC					
651-2011	Schedule 40 and Schedule 80 Rigid PVC Conduit and Fittings with revisions through March 2012 May 2014	IFGC	IRC						
705-2004	Standard for Power Ventilators with revisions through March 2012 December 2013	IMC	IRC						
710-2012	Exhaust Hoods for Commercial Cooking Equipment - with revisions through <u>November 2013</u>	IMC	IECC-C						
710B-2011	Recirculating Systems with revisions through <u>August 2014</u>	IBC	IFC	IMC					
723-08	Standard for Test for Surface Burning Characteristics of Building Materials with revisions through September 2010 August 2013	IBC	IFC	IWUIC					
726-1995	Oil-Fired Boiler Assemblies - with Revisions through April 2011 October 2013	IRC	IMC	IECC					
727-2006	Oil-Fired Central Furnaces with revisions through April 2010 October 2013	IRC	IMC	IECC-C					
729-03	Oil-Fired Floor Furnaces with revisions through August 2012 October 2013	IRC	IMC						
730-03	Oil-Fired Wall Furnaces with revisions through August 2012 October 2013	IRC	IMC						
731-1995	Oil-Fired Unit Heaters with Revisions through through August 2012 October 2013	IMC	IECC-C						
732-1995	Oil-Fired Storage Tank Water Heaters - with revisions through April 2010 October 2013	IRC	IMC						
737-11	Fireplaces Stoves - with revisions through <u>August 2015</u>	IRC	IMC						
762-10	Outline of Investigation for Power Roof Ventilators for Restaurant Exhaust Appliances with revisions through <u>October 2013</u>	IMC							
790-04	Standard Test Methods for Fire Tests of Roof Coverings with revisions through October 2008 July 2014	IBC	IRC	IFC					
791-2006	Residential Incinerators-with revisions through April 2010 November 2014	IMC							

795-2011	Commercial-Industrial Gas Heating Equipment with revisions through September 2012 <u>November 2013</u>	IRC	IFGC						
834-04	Heating, Water Supply, and Power Boilers - Electric with Revisions through January 2013 <u>December 2013</u>	IRC	IMC						
842-07	Valves for Flammable Fluids with Revisions through October 2012 <u>May 2015</u>	IRC	IMC						
858-05	Household Electric Ranges - with Revisions through April 2012 <u>June 2015</u>	IMC	IRC						
864-03	Control Units and Accessories for Fire Alarm Systems-with Revisions through August 2012 <u>December 2014</u>	IBC	IFC						
867-2011	Electrostatic Air Cleaners - with Revisions through February 2013 <u>August 2013</u>	IMC							
873-2007	Temperature-Indicating and -Regulating Equipment, with revisions through July 25, 2012 <u>February 2015</u>	ISPSC							
875-09	Electric Day Bath Heaters with revisions through November 2011 <u>December 2013</u>	IMC	IRC						
896-1993	Oil-Burning Stoves - with Revisions through August 2012 <u>November 2013</u>	IRC	IMC						
900-04	Air Filter Units- with revisions through February 2012 <u>April 2015</u>								
907-94	Fireplace Accessories - with revisions through April 2010 <u>June 2014</u>	IMC							
923-2013	Microwave Cooking Appliances - <u>with revisions through June 2015</u>	IRC	IMC						
924-06	Standard for Safety Emergency Lighting and Power Equipment with revisions through February 2011 <u>April 2014</u>	IBC	IFC						
959-2010	Medium Heat Appliance Factory-Built Chimneys - <u>with revisions through June 2014</u>	IRC	IMC	IFGC					
1004-1-12	Standard for Rotating Electrical Machines General Requirements with revisions through June 23, 2011	ISPSC							
1026-2012	Electric Household Cooking and Food Services Appliances - <u>with revisions through August 2015</u>	IRC							
1042-2009	Electric Baseboard Heating Equipment-with revisions through June 2013 <u>September 2014</u>	IRC							
1081-2008	Standard for Swimming Pool Pumps, Filters and Chlorinators, with revisions through May 2013 <u>March 2014</u>	ISPSC							

1256-2002	Fire Test of Roof Deck Construction with Revisions through January 2007 <u>July 2013</u>	IBC	IRC						
1275-2005	Flammable Liquid Storage Cabinets with revisions through February 2010 <u>November 2014</u>	IFC							
1363-2007	Relocatable Power Taps - with revisions through September 2012 <u>September 2015</u>	IFC							
1479-03	Standard for Fire Tests of Through-Penetration Firestops with Revisions through October 2012 <u>June 2015</u>	IBC	IRC	IMC					
1482-2011	Solid-Fuel Type Room Heaters - with revisions through <u>August 2015</u>	IBC	IRC	IMC					
1563-2009	Standard for Electric Hot Tubs, Spas and Association Equipment with revisions through July 2012 <u>March 2015</u>	ISPSC							
1618-09	Wall Protectors, Floor Protectors, and Hearth Extensions - with revisions through May 2013 <u>October 2015</u>	IRC	IMC	IFGC					
1703-02	Flat-plate Photovoltaic Modules and Panels - with revisions through November 2014 <u>October 2015</u>	IRC	IBC						
1738-2010	Venting Systems for Gas-Burning Appliances, Categories II, III and IV with revisions through May 2014 <u>November 2014</u>	IRC	IFGC						
1741-2010	Inverters, Converters, Controllers and Interconnection System Equipment with Distributed Energy Resources - with revisions through <u>January 2015</u>	IRC							
1746-2007	External Corrosion Protection Systems for Steel Underground Storage Tanks - with revisions through <u>December 2014</u>	IPC							
1777-07	Chimney Liners with revisions through July 2009 <u>October 2015</u>	IBC	IRC	IMC					
1784-2001	Air Leakage Tests of Door Assemblies - with Revisions through July 2009 <u>February 2015</u>	IBC	IECC-C						
1795-2009	Hydromassage Bathtubs including revisions through August 23, 2014 <u>January 2015</u>	IPC							
1812-2013	Standard for Ducted Heat Recovery Ventilators - with revisions through <u>April 2014</u>	IMC							
1815-2012	Standard for Nonducted Heat Recovery Ventilators - with revisions through <u>April 2014</u>	IMC							
1821-2011	Standard for Thermoplastic Sprinkler Pipe and Fittings for Fire Protection Services - with revisions through <u>August 2015</u>	IRC							

1897-2012	Uplift Tests for Roof Covering Systems - <u>with revisions through September 2015</u>	IBC							
1978-2010	Grease Ducts - <u>with revisions through September 2013</u>	IMC							
1994-04	Luminous Egress Path Marking Systems with Revisions through November 2010 <u>May 2015</u>	IBC							
1995-2011	Heating and Cooling Equipment - <u>with revisions through July 2015</u>	IRC	IMC	ISPSC					
1996-2009	Electric Duct Heaters-with revisions through November 2014 <u>June 2014</u>	IRC	IMC						
2024-2011	Standard for Safety Optical-Fiber and Communications Cable Raceway- with Revisions through April 2014 <u>August 2015</u>	IMC							
2034-2008	Standard for Safety for Single and Multiple Station Carbon Monoxide Alarms with revisions through February 2009 <u>March 2015</u>	IRC	IFC	IBC					
2043-2008	Fire Test for Heat and Visible Smoke Release for Discrete Products and their Accessories Installed in Air-Handling Spaces - <u>with revisions through October 2013</u>	IMC							
2079-2004	Tests for Fire Resistance of Building Joint Systems with Revisions through December 2012 <u>August 2015</u>	IBC	IFC						
2200-2012	Stationary Engine Generator Assemblies - with revisions through June 2013 <u>July 2015</u>	IBC	IFC	IMC					
2208-2010	Solvent Distillation Units - with Revisions through March 2014 <u>September 2015</u>	IFC							
USC	United States Code								
Standard Reference Number	Title	Referenced in Code(s):							
CFR Title 16 (May 31, 2005) (2015)	R-Value Rule	IRC	IECC						
WCLIB	West Coast Lumber Inspection Bureau								
Standard Reference Number	Title	Referenced in Code(s):							
<u>AITC 104-03</u>	Typical Construction Details	IBC							
<u>AITC 110-01</u>	Standards Appearance Grades for Structural Glued Laminated Timber	IBC							
<u>AITC 113-10</u>	Standard for Dimensions of Structural Glued Laminated Timber	IBC							
<u>AITC 119-96</u>	Standard Specifications for Structural Glued Laminated Timber of Hardwood Species	IBC							
<u>AITC 200-09</u>	Manufacturing Quality Control System Manual for Structural Glued Laminated Timber	IBC							
WDMA	Window and Door Manufacturers Association								
Standard Reference Number	Title	Referenced in Code(s):							
AAMA/WDMA/CSA 101/I.S./A440-4416	North American Fenestration Standard/Specifications for Windows, Doors, and Skylights	IBC	IRC	IECC					
WMA	World Millwork Alliance (formerly the Association of Millwork Distributors Standards)								

Standard Reference Number	Title	Referenced in Code(s):						
ANSI/AMD-WMA100-2013-2016	Standard Method of Determining Structural Performance Ratings of Side Hinged Exterior Door Systems and Procedures for Component Substitution	IRC						

Reason: THIS IS THE ADMIN STANDARDS UPDATE CODE CHANGE

The CP 28 Code Development Policy, Section 4.6 requires the updating of referenced standards to be accomplished administratively, and be processed as a Code Change Proposal for consideration by the Administrative Code Change Committee. In September 2015, a letter was sent to each developer of standards that is referenced in the International Codes, asking them to provide ICC with a list of their standards in order to update to the current edition. Above is the list of the referenced standards that are to be updated based upon responses from standards developer.

Report of Committee Action Hearings

Committee Action:

Approved as Modified

Modify as follows:

AAMA	American Architectural Manufacturers Association							
Standard Reference Number	Title	Referenced in Code(s):						
AAMA 711-4316	Voluntary Specification for Self Adhering Flashing Used for Installation of Exterior Wall Fenestration Products	IRC						
AAMA 506-4416	Voluntary Specifications for Impact and Cycle Testing of Fenestration Products	IRC						
AAMA/NSA/NPEA 2100- 4412	Specifications for Sunrooms	IRC						
AAMA/WDMA/CSA 101/I.S.2/A440- 4617	North American Fenestration Standard/Specification for Windows, Doors, and Skylights	IBC	IRC	IECC				
ASTM	ASTM							
Standard Reference Number	Title	Referenced in Code(s):						
D1929- 4416	Standard Test Method for Determining Ignition Temperature of Plastics	IBC						
D2843-4016	Standard Test Method for Density of Smoke from the Burning of Decomposition of Plastics	IBC						
D2859- 06(2014)15	Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials	IBC	IFC					

E84-2013A <u>2015B</u>	<u>Standard</u> Test Method for Surface Burning Characteristics of Building Materials	IBC	IRC	IFC	IMC	IEBC			
E119 - 2012a-2016	Standard Test Methods for Fire Tests of Building Construction and Materials	IBC	IRC	IMC	IWUIC				
E136 - 4216	Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 degrees C	IBC	IRC	IMC	IWUIC	IFGC			
E814-2013 2013A	<u>Standard</u> Test Method of Fire Tests of Penetration Firestop Systems	IBC	IRC	IMC					
E970- 2010 2014	<u>Standard</u> Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source	IBC	IRC						
E1354 - 2013 2016	Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Colorimeter	IBC	IFC						
E1529-2013 14a	<u>Standard</u> Test Method for Determining Effects of Large Hydrocarbon Pool Fires on Structural Members and Assemblies	IFC							
E1537 - 2013 2015	Standard Test Method for Fire Testing of Upholstered Furniture	IFC							
E1966-2012A 2015	<u>Standard</u> Test Method for Fire resistant Joint Systems	IBC	IFC						
E2336 - 04(2013) 2016	Standard Test Methods for Fire Resistive Grease Duct Enclosure Systems	IMC							
E2404-13E 415a	<u>Standard</u> Practice for Specimen Preparation and Mounting of Textile, Paper or Polymeric (Including Vinyl) and Wood Wall or Ceiling Coverings, Facing and Veneers to Assess Surface Burning Characteristics	IBC	IFC						
E2599 - 44 15	<u>Standard</u> Practice for Specimen Preparation and Mounting of Reflective Insulation Radiant Barrier and Vinyl Stretch Ceiling Materials for Building Applications to Assess Surface Burning Characteristics	IBC							
AWPA	American Wood Protection Association								
Standard Reference Number	Title	Referenced in Code(s):							
M4- 44 16	Standard for the Care of Preservative-Treated Wood Products	IBC	IRC						
U1 - 44 16	USE CATEGORY SYSTEM: User Specification for Treated Wood except ,	IBC	IRC						

	Commodity Specification H							
CGA	Compressed Gas Association							
Standard Reference Number	Title	Referenced in Code(s):						
S-1.2 (2005)(2009)	Pressure Relief Device Standards - Part 2 - Cargo and Portable Tanks for Compressed Gases	IFC	IFGC					
ICC	International Code Council							
Standard Reference Number	Title	Referenced in Code(s):						
ICC A117.1- 2016 2009	Accessible and Usable Buildings and Facilities	IBC	IEBC	IFC	IPC	IRC	IZC	
SPRI	Single-Ply Roofing Institute							
Standard Reference Number	Title	Referenced in Code(s):						
ANSI/SPRI/FM4435-ES-1- 1147	Wind Test Standard for Edge Systems Used with Low Slope Roofing	IBC						
ANSI/SPRI VF1- 1047	External Fire Design Standard for Vegetative Roofs	IBC						

Committee Reason: Hansen19, Hansen 22 and Hansen 24 added updated references for AAMA standards. Hirschler 25 adds updates references for ASTM standards. Hirscher 25 included two standards that are not in the 2015 edition, E648 and E2579, therefore, they are not part of this update. Wangel 14 adds updates for AWWA standards. These references are updates that should have been part of the original proposal.

McLaughlin 20 requests not to updated reference for a CGA standard to a 2016 edition. The proponent explained that this is an incorrect reference.

Wilen 10 requests not to update references for two SPRI standards to the 2017 edition. The proponent explained that these standards are not ready for review at this time.

Orlowski 13 requests the ICC A117.1 to not be updated and remain as a reference to the 2009 edition. This standard has significant revisions that are not finalized at the time of this hearing. There should be the opportunity to address scoping and references in the codes and the implications to buildings with these new requirements. There was testimony that the new requirements will no longer be coordinated with the 2010 ADA Standard for Accessible Design. The committee noted that there was no opposition testimony to leaving this standard on the current edition.

The remainder of the standards references are part of the automatic update of currently referenced standards. This is part of CDP28 allowances for updates and should be approved.

Assembly Action

None

Public Comment(s)

As stated in the posted 2016 Group B Public Comment Hearing Agenda, ADM94-16 was dealt with procedurally by dividing the code change proposal into a multiple part code change proposal; with each referenced standard receiving a public comment being dealt with as a separate part in conjunction with the submitted public comment. In addition, the updates to some of the referenced standards were As Modified by the committee, as shown in the 2016 Report of Committee Action Hearing. The actions taken on proposed updates to the referenced standards listed in ADM94-16 were As Submitted except as noted below:

Standard Ref. No. in 2015 Codes	Final Action	Resulting Version for 2018 Codes
Updates based on Public Comment Hearing and OGCV		
ASCE 7 - 10	AS	ASCE 7 –16
ICC A117.1 -09	D	ICC A117.1 -09
SJI-200-10	AMPC11	SJI-200-15
ASTM F2006-00 (2005)	AMPC10	ASTM F2006-00 (2017)
ASTM F2090-10 .	AMPC9	ASTM F2090-17
ASTM E108 - 2011	AMPC8	ASTM E108 - 2016
ANSI/SPRI VF1-10	D	ANSI/SPRI VF1-10
ASTM D7158-11	AMPC3	ASTM D7158-16
ASHRAE 140- 11	AMPC4	ASHRAE 140- 14
FM 4996 - 13	AMPC5	FM 4996 – 2015
ASTM D2859- 06(2011)	AMPC6	ASTM D2859- 2016
ASTM E84-2013A	AMPC7	ASTM E84-2016
ANSI/SPRI/FM 4435 – ES – 1-11	D	ANSI/SPRI/FM 4435 – ES – 1-11
Updates based on the results of the Committee Action Hearing with No Public Comments Received		
AAMA 711-13	AM	AAMA 711- <u>16</u>
AAMA 506 – 11	AM	AAMA 506- <u>16</u>
AAMA/WDMA/CSA 101/I.S.2/A440 – 11	AM	AAMA/WDMA/CSA 101/I.S.2/A440 – 17
ASTM D1929 – 12	AM	ASTM D1929 – 16
ASTM D2843 – 10	AM	ASTM D2843 – 16
ASTM E119-2012a	AM	ASTM E119- 2016
ASTM E136 – 12	AM	ASTM E136 – 16
ASTM E814-2013	AM	ASTM E814-2013A
ASTM E970-2010	AM	ASTM E970- 2014
ASTM E1354 – 2013	AM	ASTM E1354 – 2016
ASTM E1529-2013	AM	ASTM E1529- 2014 a
ASTM E1537 – 2013	AM	ASTM E1537 – 2015
ASTM E1966-2012A	AM	ASTM E1966-2015
ASTM E2336 –04(2013)	AM	ASTM E2336 –2016
ASTM E2404-13E1	AM	ASTM E2404-15a
ASTM E2599 – 11	AM	ASTM E2599 – 15
AWPA M4 – 11	AM	AWPA M4 – 16
AWPA U1-14	AM	AWPA U1-16
CGA S-1.2 (2005)	AM	CGA S-1.2 (2009)

Public Comment 3:

Mike Fischer, Kellen, representing Asphalt Roofing Manufacturers Association and the Gypsum Association (mfischer@kellencompany.com) requests Approve as Modified by this Public Comment.

Further modify as follows:

ASTM	ASTM	
Standard Reference Number	Title	Referenced in Code(s):
D 7158/ D7158M-11 <u>D7158M-16</u>	Standard Test Method for Wind Resistance of Asphalt Shingles (Uplift Force/Uplift Resistance Method)	IBC IRC

Commenter's Reason: ASTM D7158 has recently been updated to reflect correlations to ASCE-7-10. This comment updates the edition for the 2018 I-Codes to include the new 2016 edition.

Public Comment 4:

Steven Ferguson, representing American Society of Heating, Refrigerating, and Air-Conditioning Engineers (sferguson@ashrae.org) requests Approve as Modified by this Public Comment.

Modify as follows:

ASHRAE	American Society of Heating, Refrigerating and Air Conditioning Engineers	
Standard Reference Number	Title	Referenced in Code(s):
140-2017 <u>140-2014</u>	Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs	IECC-C

Commenter's Reason: There is a chance ASHRAE Standard 140-2017 may not be published in time for the administrative reference update. This public comment is being submitted so we refer to the current version of the standard (the 2014 version) rather than the next version of the standard.

Public Comment 5:

Marcelo Hirschler, representing GBH International (gbhint@aol.com) requests Approve as Modified by this Public Comment.

Further modify as follows:

FM	FM Global	
Standard Reference Number	Title	Referenced in Code(s):
4496-2016 <u>4996-2015</u>	Approval Standard for Classification of Pallets and other Materials Handling Products as Equivalent to Wood Pallet	IFC

Commenter's Reason: The actual number of the standard referenced in the IFC is FM 4996 and not FM 4496 and the latest (2015) edition was issued December 2015.

Public Comment 6:

Marcelo Hirschler, representing GBH International (gbhint@aol.com) requests Approve as Modified by this Public Comment.

Further modify as follows:

ASTM	ASTM	
Standard Reference Number	Title	Referenced in Code(s):
D2859-2016	<u>Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials</u>	

Commenter's Reason: ASTM D2859 has recently been updated to 2016 editions.

Public Comment 7:

Marcelo Hirschler (gbhint@aol.com) requests Approve as Modified by this Public Comment.

Further modify as follows:

ASTM	ASTM	
Standard Reference Number	Title	Referenced in Code(s):
E84-2015B <u>E84-2016</u>	Standard Test Method for Surface Burning Characteristics of Building Materials	IBC IRC IFC IMC IEBC

Commenter's Reason: ASTM E84 has recently been updated to 2016 editions.

Public Comment 8:

Marcelo Hirschler (gbhint@aol.com) requests Approve as Modified by this Public Comment.

Further modify as follows:

ASTM	ASTM	
Standard Reference Number	Title	Referenced in Code(s):
E108-16	<u>Standard Test Methods for Fire Tests of Roof Coverings</u>	

Commenter's Reason: ASTM E108 has recently been updated to 2016 editions.

Public Comment 9:

Jeff Inks, representing Window & Door Manufacturers Association (jinks@wdma.com) requests Approve as Modified by this Public Comment.

Modify as follows:

ASTM	ASTM	
Standard Reference Number	Title	Referenced in Code(s):
F2090-13 <u>F2090-17</u>	Specification for Window Fall Prevention Devices with Emergency Escape (Egress) Release Mechanisms	IBC IRC IFC IEBC

Commenter's Reason: The correct edition to be referenced in the 2018 codes is the 2017 which is nearing completion.

Public Comment 10:

Jeff Inks, representing Window & Door Manufacturers Association (jinks@wdma.com) requests Approve as Modified by this Public Comment.

Modify as follows:

ASTM	ASTM	
Standard Reference Number	Title	Referenced in Code(s):
F2006-00 (2005) 1017	<u>Standard/Safety Specification for Window Fall Prevention Devices for Non-emergency Escape (Egress) and Rescue (Ingress) Windows</u>	IBC IEBC

Commenter's Reason: This standard is currently referenced in the IBC & IEBC and is currently being revised which will result in the 2017 edition however, the update to the code reference update to the 2017 was inadvertently not included in ADM-94 and is therefore included by this public comment.

Public Comment 11:

Bonnie Manley, AISI, representing SJI (bmanley@steel.org) requests Approve as Modified by this Public Comment.

Modify as follows:

SJI	Steel Joist Institute	
Standard Reference Number	Title	Referenced in Code(s):
SJI-200-16 <u>SJI-200-15</u>	Standard Specification for Composite Steel Joists, CJ-Series	IBC

Commenter's Reason: This modification simply corrects the publication date of SJI 200. A copy of SJI 200-15 is available at: <https://steeljoist.org/ansi/>.

Final Action Results

ADM94-16

AMPC3, 4, 5,6, 7, 8,9,10, 11