

**GROUP B
NEW STANDARDS PROPOSED IN
2019 CODE CHANGE CYCLE
LISTED BY STANDARDS ORGANIZATION
STAFF ANALYSES**

April 2, 2019

The following are comments by ICC staff regarding certain aspects of standards proposed to be referenced in the ICC Codes by code change proposals submitted for the 2019 Group B Proposed Changes. The comments relate to portions of the criteria for standards contained in Section 3.6 of CP#28 (see last page of this document).

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
AAMA STANDARDS			
S108-19	IBC-S: 1709.5	AAMA 2502–2019 <i>Comparative Analysis Procedure for Window and Door Products</i>	The Standard was submitted in consensus draft form. Contains language that could affect enforceability (example: 4.1 Please refer to the most current AAMA Glossary for definitions; use of 'may' in multiple sections'). Does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
AARST STANDARDS			
RB287-19	IRC: AF103.13 NEW	ANSI/AARST MAH–2014 <i>Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
AASHTO STANDARDS			
S75-19	IBC-S: 1609.1.1	AASHTO LTS-6–2013 <i>Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
ACCA STANDARDS			
ADM12-19	IMC: 102.3	ANSI/ACCA 4 QM–2013 <i>Quality Maintenance of Residential HVAC Systems</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
RE143-19	IECC-R: R403.7	ANSI/ACCA 5 QI–2015 <i>HVAC Quality Installation Specification</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
ACI STANDARDS			
S147-19	IBC: 1901.7.2	ACI ITG-7–09 <i>Specification for Tolerances for Precast Concrete</i>	Appears to be written in enforceable language. Does not appear to require proprietary

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			materials or agencies. Promulgation by a consensus process stated in preface.
S147-19	IBC: 1901.7.1	ACI 117–10 <i>Specification for Tolerances for Concrete Construction and Materials</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
S87-19	IBC: 1704.2.6	ACI 311.6–18 <i>Specification for Ready Mixed Concrete Testing Services</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
S95-19	IBC: 1705.3	ACI 311.7–18 <i>Specification for Inspection of Concrete Construction</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
S97-19	IBC: Table 1705.3	ACI 550.5–18 <i>Code Requirements for the Design of Precast Concrete Diaphragms for Earthquake Motions</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
EB16-19	IEBC: 303.4	ACI 562–19 <i>Code Requirements for Assessment, Repair, and Rehabilitation of Existing Concrete Structures</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface. The Standard was submitted in consensus draft form.
AERC STANDARDS			
CE94-19	IECC: C402.4.3.4	AERC 1–2018 <i>Procedures for Determining Energy Performance Properties of Fenestration Attachments</i>	The standard appears to be written in enforceable language. It does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
AHRI STANDARDS			
CE149-19	IECC: Table C403.10.2(3)	AHRI 1250 (I-P) 2014 <i>Standard for Performance Rating in Walk-in Coolers and Freezers</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
AISC STANDARDS			
S160-19	IBC: 2205.2.1.1	AISC 358-16/s1–18 <i>Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications, Including Supplement No. 1</i>	Appears to require proprietary and non-proprietary connections. Example: “ <i>The proprietary design of the brackets is protected under U.S. patent number 6,073,405 held by Steel Cast Connections LLC. Information on licensing rights can be found at http://www.steelcastconnections.com. The connection is not prequalified when brackets of an unlicensed design and/or</i>

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			<i>manufacture are used.</i> Appears to be written in enforceable language. Promulgation by a consensus process stated in preface.
AMCA STANDARDS			
CE137-19 CE139-19	IECC: C202, C403.8.3	AMCA 208–18 <i>Calculation of the Fan Energy Index</i>	Contains language that could affect enforceability such as B.5 Codes and regulatory references Any code or regulatory reference to FEI should include the scope of products covered. The scope should, include at least the following: the minimum and maximum power, the minimum allowable FEI levels for each covered fan type, labeling requirements and any product or application exemptions. Does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
CE141-19	IECC: C403.9	AMCA 230–15 <i>Laboratory Methods of Testing Air Circulating Fans for Rating and Certification</i>	Currently referenced in the IMC.
ANSI STANDARDS			
S200-19	IBC-S: 3103.6	ANSI E1.21–2013 <i>Entertainment Technology-Temporary Structures Used for Technical Production of Outdoor Entertainment Events</i>	Currently referenced in the IFC.
ASABE STANDARDS			
RB27-19	IRC: R301.1.1	ASABE EP 484.3 MON2016 <i>Diaphragm Design of Metal-Clad, Wood-Frame Rectangular Buildings</i>	Currently referenced in the IBC.
RB27-19	IRC: R301.1.1	ASABE EP 486.2 OCT 2012ED <i>Shallow Post and Pier Foundation Design</i>	Currently referenced in the IBC.
RB27-19	IRC: R301.1.1	ASABE EP 559.1 W/Corr.1 AUG 2010(R2014) <i>Design Requirements and Bending Properties for Mechanically Laminated Wood Assemblies</i>	Currently referenced in the IBC.
S179-19	IBC: 2306.1	ASABE S618 DEC2010 (R2016) <i>Post Frame Building System Nomenclature</i>	The standard appears to be written in enforceable language. It does not require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
CE209-19	IECC-C: C405.4	ASABE S640–17 <i>Quantities and Units of Electromagnetic Radiation for Plants (Photosynthetic Organisms)</i>	The standard appears to be written in enforceable language. It does not require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
ASCE STANDARDS			
S200-19	IBC-S: 3103.5	ASCE 37–14 <i>Design Loads on Structures during Construction</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies.

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			Promulgation by a consensus process stated in preface.
ASHRAE STANDARDS			
RE224-19 Part I RE224-19 Part II	IECC-R: RB102 IRC: AU103	ANSI/ASHRAE/IES Standard 90.2–2018 <i>Energy-Efficient Design of Low-Rise Residential Buildings</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
CE108-19 CE43-19	IECC-C: C403.1.2 IECC-C: C401.2	ANSI/ASHRAE 90.4–2016 <i>Energy Standard for Data Centers</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
ASSP STANDARDS			
RB259-19 RB124-19	IRC: R801.2, 312 NEW	ANSI/ASSP Z359.1–2019 <i>The Fall Protection Code</i>	Currently referenced in the IBC, IFC and IMC.
ASTM STANDARDS			
EB137-19 EB136-19	IEBC: A106.2.3.1	ASTM C67/C67M–2018 <i>Test Methods of Sampling and Testing Brick and Structural Clay Tile</i>	Currently referenced in the IBC.
EB137-19	IEBC: A106.2.3.1	ASTM C140/C140M–2018 <i>Test Method Sampling and Testing Concrete Masonry Units and Related Units</i>	Currently referenced in the IBC and IRC.
RB299-19	IRC: AU104.4.6.1	ASTM C206–14 <i>Standard Specification for Finishing Hydrated Lime</i>	Currently referenced in the IBC.
RE12-19	IECC: R303.1.1.2	ASTM C1313/C1313M–13 <i>Standard Specification for Sheet Radiant Barriers for Building Construction Applications</i>	Currently referenced in the IBC.
S115-19 S116-19	IBC: 1807.2.4	ASTM C1372–17 <i>Standard Specification for Dry-Cast Segmental Retaining Wall Units</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
RB272-19	IRC: R904.1.2	ASTM C1568–08(2013) <i>Standard Test Method for Wind Resistance of Concrete and Clay Roof Tiles (Mechanical Uplift Resistance)</i>	Currently referenced in the IBC.
S14-19	IBC-S: 1504.2.1.3	ASTM C1569–03(2016) <i>Standard Test Method for Wind Resistance of Concrete and Clay Roof Tiles (Wind Tunnel Method)</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
S14-19	IBC-S: 1504.2.1.3	ASTM C1570–03(2016) <i>Standard Test Method for Wind Resistance of Concrete and Clay Roof Tiles (Air Permeability Method)</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies.

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			Promulgation by a consensus process stated in preface.
RE65-19	IRC: R402.3	ASTM C1743–18 <i>Standard Practice for Installation and Use of Radiant Barrier Systems (RBS) in Residential Building Construction</i>	The standard appears to be written in enforceable language. It does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
S156-19	IBC-S: 2109.2.4.8.7	ASTM C1788–18 <i>Standard Specification for Non Metallic Plaster Base (Lath) Used with Portland Cement Based Plaster in Vertical Wall Applications</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
RB282-19	IRC: R905.9.2	ASTM D41/D41M–11(2016) <i>Standard Specification for Asphalt Primer Used in Roofing, Dampproofing, and Waterproofing</i>	Currently referenced in the IBC.
S103-19	IBC-S: 1705.10 NEW	ASTM D5882–16 <i>Standard Test Method for Low Strain Impact Integrity Testing of Deep Foundations</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
S103-19	IBC-S: 1705.10 NEW	ASTM D6760–16 <i>Standard Test Method for Integrity Testing of Concrete Deep Foundations by Ultrasonic Crosshole Testing</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
RB282-19	IRC: Table R905.9.2	ASTM D7655/D7655–12(2017) <i>Standard Classification for Size of Aggregate Used as Ballast for Membrane Roof Systems</i>	Currently referenced in the IBC.
S103-19	IBC-S: 1404.14.19	ASTM D7793–17 <i>Standard Specification for Insulated Vinyl Siding</i>	Currently referenced in the IRC.
S103-19	IBC-S: 1705.10 NEW	ASTM D7949–14 <i>Standard Test Methods for Thermal Integrity Profiling of Concrete Deep Foundations</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
CE101-19	IECC-C: 402.5.1.2.2	ASTM D8052/D8052M–17 <i>Standard Test Method for Quantification of Air Leakage in Low-Sloped Membrane Roof Assemblies</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
RB223-19 RB220-19 RB178-19	IRC: R702.7, R702.7(2), R408.8	ASTM E96–2016 <i>Test Method for Water Vapor Transmission of Materials</i>	Currently referenced in the IBC.
RB291-19	IRC: AK102.1	ASTM E336–17a <i>Standard Test Method for Measurement of Airborne Sound Attenuation between Room in Buildings</i>	Currently referenced in the 2015 IgCC.

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RB291-19	IRC: AK103.1	ASTM E1007–16 <i>Standard Test Method for Field Measurement of Tapping Machine Impact Sound Transmission Through Floor-Ceiling Assemblies and Associated Support Structures</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
RE114-19	IECC-R: R403.3.3	ASTM E1554/E1554M–13(2018) <i>Standard Test Methods for Determining Air Leakage of Air Distribution Systems by Fan Pressurization</i>	The standard appears to be written in enforceable language. It does not require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
S153-19 RB288-19 RB183-19	IBC-S: 1907.1 IRC: AF103.3.1, R506.2.3	ASTM E1745–17 <i>Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
CE19-19, Part I CE19-19, Part II	IECC-C: C202 IECC-R: R202	ASTM E2138–13 <i>Standard Test Method for Air Permanence of Building Materials</i>	Currently referenced in the IBC, the IRC and the IECC-C.
S159-19	IBC: 2109.2.4.11.2	ASTM E2392/E2392M–2010(2016) <i>Standard Guide for Design of Earthen Wall Building Systems</i>	Currently referenced in the IRC.
RB75-19 RB73-19 RB76-19 RB72-19 RB76-19	IRC: R302.9.6, R302.9.8.2; R302.9.9	ASTM E2404–17 <i>Standard Practice for Specimen Preparation and Mounting of Textile, Paper or Polymeric (Including Vinyl) and Wood Wall or Ceiling Coverings, Facings and Veneers, to Assess Surface Burning Characteristics</i>	Currently referenced in the IBC and the IFC.
RB232-19 RB243-19 RB233-19 RB242-19 RB245-19	IRC: R703.2, R703.7.3, R703.7.3.1, R703.7.3	ASTM E2556/E2556M–10(2016) <i>Standard Specification for Vapor Permeable Flexible Sheet Water-Resistive Barriers Intended for Mechanical Attachment</i>	Currently referenced in the IBC.
RB74-19 RB72-19	IRC: R302.9.7 NEW	ASTM E2579–15 <i>Standard Practice for Specimen Preparation and Mounting of Wood Products to Assess Surface Burning Characteristics</i>	Currently referenced in the IBC and the IFC.
S195-19 S196-19 RB246-19 RB244-19 RB242-19 RB249-19	IBC: Table 2510.6, 2510.6.2 IRC: R703.7.3.2	ASTM E2925–17 <i>Standard Specification for Manufactured Polymeric Drainage and Ventilation Materials Used to Provide a Rainscreen Function</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
CE98-19	IECC: C402.5	ASTM E3158–18 <i>Test Method for Measuring the Air Leakage Rate of a Large or Multizone Building</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
RB161-19 RB300-19	IRC: R328.3.1, R328.6, AU103.1.1, AU104.1; AU106.1	ASTM F476–14 <i>Standard Test Methods for Security of Swinging Door Assemblies</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.

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CE240-19	IECC: Table C406.12 (1)	ASTM F1361–17 <i>Standard Test Method for Performance of Open Deep Fat Fryers</i>	Currently referenced in the 2015 IgCC.
CE240-19	IECC: C406.12(2)	ASTM F1484–18 <i>Standard Test Method for Performance of Steam Cookers</i>	Currently referenced in the 2015 IgCC.
CE240-19	IECC: C406.12(4)	ASTM F1495–14a <i>Standard Specification for Combination Oven Electric or Gas Fired</i>	Contains language that could affect enforceability, such as .. 5.2 the following options should be reviewed and if desired they should be included... and 10.1.2 The core temperature should be tested according to ANSI/NSF 2. Does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
CE240-19	IECC: C406.12(4)	ASTM F1496–13 <i>Standard Test Method for Performance of Convection Ovens</i>	Currently referenced in the 2015 IgCC.
CE240-19	IECC: C406.12(3)	ASTM F1696–18 <i>Standard Test Method for Energy Performance of Stationery-Rack Door-Type Commercial Dishwashing Machines</i>	Currently referenced in the 2015 IgCC.
CE240-19	IECC: C406.12(3)	ASTM F1920–15 <i>Standard Test Method for Performance Rack Conveyor Commercial Dishwashing Machines</i>	Currently referenced in the 2015 IgCC.
CE240-19	IECC: C406.12(4)	ASTM F2093–18 <i>Standard Test Method for Performance of Rack Ovens</i>	Currently referenced in the 2015 IgCC.
CE240-19	IECC: Table C406.12(1)	ASTM F2144–17 <i>Standard Test Method for Performance of Large Open Vat Fryers</i>	Currently referenced in the 2015 IgCC.
RB162-19	IRC: R328.2 NEW	ASTM F2200–14 <i>Standard Specification for Automated Vehicular Gate Construction</i>	Currently referenced in the IBC and the IFC.
CE240-19	IECC: C406.12(4)	ASTM F2861–17 <i>Standard Test Method for Enhanced Performance of Combination Oven in Various Modes</i>	Currently referenced in the 2015 IgCC
S23-19 RB276-19 RB273-19	IBC-S: 1507.1.1 IRC: Table R905.1.1(1) R905.1.1	ASTM WK51913 <i>New Specification for Mechanically Attached Polymeric Roof Underlayment Used in Steep Slope Roofing</i>	The Standard was submitted in consensus draft form. Does not indicate promulgation by a consensus process. Does not appear to require proprietary materials or agencies. Contains language that could affect enforceability (example: mixed use of 'shall' and 'may').
BPI STANDARDS			

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CE103-19 Part I CE103-19 Part II	IECC-C: C402.5.3.1 IECC-R: R402.4.4.1	ANSI/BPI-1200-S-2017 <i>Standard Practice for Basic Analysis of Building</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
BS STANDARDS			
S157-19 RB299-19	IBC: 2109.2.4.8.10.1 IRC: AU104.4.3.2	BS EN 459-2015 <i>Part 1: Building Lime. Definitions, Specifications and conformity. Criteria: Part 2- Test Methods</i>	Currently referenced in the IRC Appendix S.
DEPARTMENT OF ENERGY (DOE)			
RE175-19 RE176-19	IECC-R: Table R405.5.2(1)	10 CFR 430-32 –2014 or 2018 <i>Energy and Water Conservation Standard and their compliance dates</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
CE146-19	IECC-C: Table C403.10.1(1)	U.S. 10 Part CFR 431, Subpart C: <i>Commercial Refrigerators, Freezers and Refrigerator-Freezers</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
CE149-19 CE147-19	IECC-C: Table C403.10.2(1)	U.S. 10 Part CFR 431-302, Subpart R <i>Walk-in Coolers and Walk-in Freezers</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
FM STANDARDS			
RB272-19 RB279-19	IRC: R904.1.3, R904.1.8, R905.4.4.1	FM 4474-2011 <i>American National Standard for Evaluating the Simulated Wind Uplift Resistance of Roof Assemblies Using Static Positive and/or Negative Differential Pressure</i>	Currently referenced in the IBC.
HUD STANDARDS			
RB285-19	IRC: R101.2.1 NEW	24 CFR 3285 <i>Model Manufactured Home Installation</i>	Currently referenced in the IBC Appendix G.
HVI STANDARDS			
CE140-19	IECC-C: 403.8.5	HVI 916-09 <i>Airflow Test Procedure</i>	Currently referenced in the IRC and IECC-R.
ICC STANDARDS			
RE57-19 RE187-19 RE197-19 RE200-19	IECC-C: R402.4.1.1, R406.3, R406.5, R406.5.1	ANSI/RESNET/ICC 301, Appendix A-19 <i>Standard For The Calculation And Labeling Of The Energy Performance Of Dwelling And Sleeping Units Using An Energy Rating Index</i>	Currently referenced in the IECC-R.
RE114-19 CE96-19 RE17-19	IECC-R: R403.3, R407.4.1 IECC-C: C402.5.1.2.3,	ANSI/RESNET/ICC 380 <i>Standard For Testing Airtightness Of Building, Dwelling Unit, And Sleeping Unit Enclosures; Airtightness Of Heating And Cooling Air Distribution Systems; And Airflow Of Mechanical Ventilation Systems</i>	Currently referenced in IECC-R and the IRC.
CE93-19 Part I CE93-19 Part II	IECC-C: C402.4.3 IECC-R: R402.5	ICC/NSSA 500-2014 <i>Standard for the Design and Construction of Storm Shelters</i>	Currently referenced in IBC, IRC and IEBC.

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RE69-19 RE1-19	IECC-R: R402.4.1 IECC-R: R102.1.1	ICC/ASHRAE 700-2015 <i>National Green Building Standard</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
RB272-19	IRC: R904.1.2	SBCCI SSTD 11-97 <i>Test Standard for Determining Wind Resistance of Concrete of Clay Roof</i>	Currently referenced in the IBC.
ISO STANDARDS			
RE198-19	IECC-R: R406.5	ISO 17025: 2005 2004-11 <i>General Requirements for the Competence of Testing and Calibration Laboratories</i>	Currently referenced in the 2015 IgCC.
MHI STANDARDS			
S162-19	IBC-S: 2209.3 NEW	ANSI/MH28.2—2018 <i>Design, Testing and Utilization of Industrial Boltless Steel Shelving (SMA)</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
S162-19	IBC-S: 2209.4 NEW	ANSI/MH28.3—2018 <i>Design, Testing and Utilization of Industrial Steel Work Platforms (SMA)</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
S162-19	IBC-S: 2209.5 NEW	ANSI/MH32.1—2018 <i>Stairs, Ladders, and Open-Edge Guards for Use with Material Handling Structures (MHI)</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
NCMA STANDARDS			
S116-19	IBC-S: 1807.2.4	NCMA—TR127B <i>Design Manual for Segmental Retaining Walls</i>	Contains language that could affect enforceability (example: mixed use of 'shall' and 'may'). Written as more of a 'design manual' than a 'standard'. Does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
NEMA STANDARDS			
RE103-19	IECC: R402.4.6	NEMA OS 4—2016 <i>Requirements for Air-Sealed Boxes for Electrical and Communications Applications</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
NFPA STANDARDS			
CE103-19, Part I	IECC-C: C402.5.3.1 IECC-R: R402.4.4.1	NFPA 31—16 <i>Standard for the Installation of Oil-burning Equipment</i>	Currently referenced in the IBC, the IFC, the IMC and the IRC.
CE103-19, Part I	IECC-C: C402.5.3	NFPA 211—16 <i>Standard for Chimneys, Fireplaces, Vents and Solid Fuel-burning Appliances</i>	Currently referenced in the IBC, the IMC and the IRC.
RB116-19	IRC: R311.7.1	NFPA 101—2018 <i>Life Safety Code</i>	Currently referenced in the IBC, IEBC and the IFC.

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RB285-19	IRC: AJ101.4	NFPA 225–17 <i>Model Manufactured Home Installation Standard</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
RB75-19	IRC: R302.9.8.1, R302.9.8.3	NFPA 265–2019 <i>Standard Methods of Fire Tests for Evaluating Room Fire Growth Contribution of Textile or Expanding Vinyl Wall Coverings on Full Height Panels and Walls</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
RB283-19	IRC: R906.1	NFPA 276–15 <i>Standard Method of Fire Tests for Determining the Heat Release Rate of Roofing Assemblies with Combustible Above-deck Roofing Components</i>	Currently referenced in the IBC.
ADM17-19	IFC: 101	NFPA 1031–2014 <i>Standard for Professional Qualifications for Fire Inspector</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
ADM17-19	IFC: 101	NFPA 1037–2016 <i>Standard on Fire Marshal Professional Qualifications</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
NFRC STANDARDS			
CE39-19	IECC: C303.1.3	NFRC 203–2017 <i>Procedure for Determining Visible Transmittance of Tubular Daylighting Devices</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
PTI STANDARDS			
RB182-19	IRC: R506.1	PTI DC–10.5–19 <i>Standard Requirements for Design and Analysis of Shallow Concrete Foundations on Expansive Stable Soils</i>	Currently referenced in the IBC.
SPRI STANDARDS			
S17-19	IBC-S: 1504.5.1 NEW	ANSI/SPRI GT-1–2016 <i>Test Standard for Gutter Systems</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
TCNA STANDARDS			
FS1-19	IBC-S: 202	ANSI A137.3–17 <i>American National Standard Specifications for Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
UL STANDARDS			

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
RB272-19 RB279-19	IRC: R904.1.3, R904.1.8; R905.4.4.1	UL 580–2006 <i>Test for Uplift Resistance of Roof Assemblies-with Revisions through October 2018</i>	Currently referenced in the IBC.
RB284-19	IRC: R1001.13	UL 907–16 <i>Fireplace Accessories</i>	Currently referenced in the IMC.
RB28-19 RB302-19	IRC: R301.1; R301.1.1, U103.1 NEW, U103.2 NEW, U103.3 NEW; U104.2 NEW; U104.3 NEW; U105.1 NEW	UL 3401–19 <i>Outline of Investigation for 3D Printed Building Construction</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
S33-19, Part I S33-19, Part II	IRC: R902.3; Table R905.16.6; R95.17.5 IBC: 1507.17.6; 1507.18.5	UL 7103–19 <i>Outline of Investigation for Building-Integrated Photovoltaic Roof Coverings</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Does not indicate promulgation by a consensus process.
S34-19, Part I S34-19, Part II	IBC: 1507.17.6, 1507.18.5, 3111.3.1 IRC: R324.3.1; R905.16.4; R905.17.5	UL 61730-1–2017 <i>Photovoltaic (PV) Module Safety Qualification – Part 1: Requirements for Construction</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.
S34-19, Part I S34-19, Part II	IBC: 1507.17.6, 1507.18.5, 3111.3.1 IRC: R324.3.1; R905.16.4; R905.17.5	UL 61730-2–2017 <i>Photovoltaic (PV) Module Safety Qualification- Part 2: Requirements for Testing</i>	Appears to be written in enforceable language. Does not appear to require proprietary materials or agencies. Promulgation by a consensus process stated in preface.

3.6 Referenced Standards: In order for a standard to be considered for reference or to continue to be referenced by the Codes, a standard shall meet the following criteria:

3.6.1 Code References:

- 3.6.1.1 The standard, including title and date, and the manner in which it is to be utilized shall be specifically referenced in the Code text.
- 3.6.1.2 The need for the standard to be referenced shall be established.

3.6.2 Standard Content:

- 3.6.2.1 A standard or portions of a standard intended to be enforced shall be written in mandatory language.
- 3.6.2.2 The standard shall be appropriate for the subject covered.
- 3.6.2.3 All terms shall be defined when they deviate from an ordinarily accepted meaning or a dictionary definition.
- 3.6.2.4 The scope or application of a standard shall be clearly described.
- 3.6.2.5 The standard shall not have the effect of requiring proprietary materials.
- 3.6.2.6 The standard shall not prescribe a proprietary agency for quality control or testing.
- 3.6.2.7 The test standard shall describe, in detail, preparation of the test sample, sample selection or both.

- 3.6.2.8 The test standard shall prescribe the reporting format for the test results. The format shall identify the key performance criteria for the element(s) tested.
- 3.6.2.9 The measure of performance for which the test is conducted shall be clearly defined in either the test standard or in Code text.
- 3.6.2.10 The standard shall not state that its provisions shall govern whenever the referenced standard is in conflict with the requirements of the referencing Code.
- 3.6.2.11 The preface to the standard shall announce that the standard is promulgated according to a consensus procedure.

3.6.3 Standard Promulgation:

- 3.6.3.1 Code change proposals with corresponding changes to the code text which include a reference to a proposed new standard or a proposed update of an existing referenced shall comply with this section.

3.6.3.1.1 Proposed New Standards. In order for a new standard to be considered for reference by the Code, such standard shall be submitted in at least a consensus draft form in accordance with Section 3.4. If the proposed new standard is not submitted in at least consensus draft form, the code change proposal shall be considered incomplete and shall not be processed. The code change proposal shall be considered at the Committee Action Hearing by the applicable code development committee responsible for the corresponding proposed changes to the code text. If the committee action at the Committee Action Hearing is either As Submitted or As Modified and the standard is not completed, the code change proposal shall automatically be placed on the Public Comment Agenda with recommendation stating that in order for the public comment to be considered, the new standard shall be completed and readily available prior to the Public Comment Hearing. If the committee action at the Committee Action Hearing is Disapproval, further consideration on the Public Comment Agenda shall include a recommendation stating that in order for the public comment to be considered, the new standard shall be completed and readily available prior to the Public Comment Hearing.

3.6.3.1.2 Update of Existing Standards. Code change proposals which include technical revisions to the code text to coordinate with a proposed update of an existing referenced standard shall include the submission of the proposed update to the standard in at least a consensus draft form in accordance with Section 3.4. If the proposed update of the existing standard is not submitted in at least consensus draft form, the code change proposal shall be considered incomplete and shall not be processed. The code change proposal, including the update of the existing referenced standard, shall be considered at the Committee Action Hearing by the applicable code development committee responsible for the corresponding changes to the code text. If the committee action at the Committee Action Hearing is either As Submitted and As Modified and the updated standard is not completed, the code change proposal shall automatically be placed on the Public Comment Agenda with the recommendation stating that in order for the public comment to be considered, the updated standard shall be completed and readily available prior to the Public Comment Hearing. If the committee action at the Committee Action Hearing is Disapproval, further consideration on the Public Comment Agenda shall include a recommendation stating that in order for the public comment to be considered, the updated standard shall be completed and readily available prior to the Public Comment Hearing.

Updating of standards without corresponding code text changes shall be accomplished administratively in accordance with Section 4.6.

3.6.3.2 The standard shall be developed and maintained through a consensus process such as ASTM or ANSI.