CHAPTER 35
REFERENCED STANDARDS

User note:

About this chapter: The International Building Code® contains numerous references to standards promulgated by other organizations that are used to provide requirements for materials and methods of construction. This chapter contains a comprehensive list of all standards that are referenced in this code. These standards, in essence, are part of this code to the extent of the reference to the standard.

This chapter lists the standards that are referenced in various sections of this document. The standards are listed herein by the promulgating agency of the standard, the standard identification, the effective date and title, and the section or sections of this document that reference the standard. The application of the referenced standards shall be as specified in Section 102.4.

AA
Aluminum Association
1400 Crystal Drive, Suite 430
Arlington, VA 22202
1604.3.5, 2002.1
ASM 35—00: Aluminum Sheet Metal Work in Building Construction (Fourth Edition)
2002.1

AAMA
American Architectural Manufacturers Association
1827 Waldon Office Square, Suite 550
Schaumburg, IL 60173
711—13: Voluntary Specification for Self Adhering Flashing Used for Installation of Exterior Wall Fenestration Products
1404.4
714—15: Voluntary Specification for Liquid Applied Flashing Used to Create a Water-resistant Seal around Exterior Wall Openings in Buildings
1404.4
1402—09: Standard Specifications for Aluminum Siding, Soffit and Fascia
1403.5.1
1709.5.1, 2405.5

ACI
American Concrete Institute
38800 Country Club Drive
Farmington Hills, MI 48331
216.1—14: Code Requirements for Determining Fire Resistance of Concrete and Masonry Construction Assemblies
Table 721.1(2), 722.1
318—14: Building Code Requirements for Structural Concrete
722.2.4.3, 1604.3.2, 1616.2.1, 1616.3.1, 1704.5, Table 1705.3, 1705.3.2, 1808.8.2, Table 1808.8.2, 1808.8.5, 1808.8.6, 1810.1.3, 1810.2.4.1, 1810.3.2.1.1, 1810.3.2.1.2, 1810.3.8.3.1, 1810.3.8.3.3, 1810.3.9.4.2.1, 1810.3.9.4.2.2, 1810.3.10.1, 1810.3.11.1, 1810.3.12, 1901.2, 1901.3, 1902.1, 1903.1, 1904.1, 1904.2, 1905.1, 1905.1.1, 1905.1.2, 1905.1.3, 1905.1.4, 1905.1.5, 1905.1.6, 1905.1.7, 1905.1.8, 1906.1, 2108.3, 2206.1
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**AISC**

ANSI/AISC 341—16: Seismic Provisions for Structural Steel Buildings
1705.12.1.1, 1705.12.1.2, 1705.13.1.1, 1705.13.1.2, 2205.2.1.1, 2205.2.1.2, 2205.2.2, 2206.2.1

ANSI/AISC 360—16: Specification for Structural Steel Buildings
722.5.2.2.1, 1604.3.3, 1705.2.1, 2202.1, 2203.1, 2205.1, 2205.2.1.1, 2206.1

**AISI**

AISI S100—16: North American Specification for the Design of Cold-formed Steel Structural Members, 2016
1604.3.3, 1905.1.8, 2202.1, 2203.1, 2210.1, 2210.2

2211.1.3.1

2202.1, 2203.1, 2211.2, Table 2506.2, Table 2507.2

1609.1.1, 1609.1.1.1, 2211.1.2

AISI S240—15: North American Standard for Cold-Formed Steel Structuring Framing, 2015
1705.2.2.2, 2202.1, 2203.1, 2211.1, 2211.1.1.1, 2211.1.3.3, Table 2306.12.2, Table 2506.2,
Table 2507.2, Table 2603.12.1

AISI S400—15/S1—16: North American Standard for Seismic Design of Cold-formed Steel Structural Systems, 2015, with
Supplement 1, dated 2016.
2210.2, 2211.1.1.1, 2211.1.1.2

**ALI**

ALI ALCTV—2017: Standard for Automotive Lifts—Safety Requirements for Construction, Testing and Validation (ANSI)
Table 3001.3

**AMCA**

AMCA 540—13: Test Method for Louvers Impacted by Wind Borne Debris
1609.2.1

**ANSI**

A13.1—2015: Scheme for the Identification of Piping Systems
415.11.6.5

A108.1A—16: Installation of Ceramic Tile in the Wet-set Method, with Portland Cement Mortar
2103.2.3

A108.1B—99: Installation of Ceramic Tile, Quarry Tile on a Cured Portland Cement Mortar Setting Bed with Dry-set or Latex-
Portland Mortar
2103.2.3
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A108.4—99: Installation of Ceramic Tile with Organic Adhesives or Water-cleanable Tile-setting Epoxy Adhesive
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A108.5—99: Installation of Ceramic Tile with Dry-set Portland Cement Mortar or Latex-Portland Cement Mortar
  2103.2.3.1, 2103.2.3.2
A108.6—99: Installation of Ceramic Tile with Chemical-resistant, Water Cleanable Tile-setting and -grouting Epoxy
  2103.2.3.3
A108.8—99: Installation of Ceramic Tile with Chemical-resistant Furan Resin Mortar and Grout
  2103.2.3.4
A108.9—99: Installation of Ceramic Tile with Modified Epoxy Emulsion Mortar/Grout
  2103.2.3.5
A108.10—99: Installation of Grout in Tilework
  2103.2.3.7
A118.1—16: American National Standard Specifications for Dry-set Portland Cement Mortar
  2103.2.3.1
  2103.2.3.3
A118.4—16: American National Standard Specifications for Modified Dry-set Cement Mortar
  2103.2.3.2, 2103.2.4
A118.5—99: American National Standard Specifications for Chemical Resistant Furan Mortar and Grouts for Tile Installation
  2103.2.3.4
A118.6—10: American National Standard Specifications for Cement Grouts for Tile Installation
  2103.2.3.7
A118.8—99: American National Standard Specifications for Modified Epoxy Emulsion Mortar/Grout
  2103.2.3.5
A136.1—08: American National Standard Specifications for the Installation of Ceramic Tile
  2103.2.3.6
A137.1—17: American National Standard Specifications for Ceramic Tile
  202
Z 97.1—14: Safety Glazing Materials Used in Buildings—Safety Performance Specifications and Methods of Test
  2406.1.2, 2406.2, Table 2406.2(2), 2406.3.1, 2407.1, 2407.1.4.1, 2408.2.1, 2408.3, 2409.2, 2409.3, 2409.4.1

APA

  2306.1
ANSI/APA A190.1—17: Structural Glued Laminated Timber
  2303.1.3, 2306.1
ANSI/APA PRP 210—14: Standard for Performance-Rated Engineered Wood Siding
  2303.1.5, 2304.7, 2306.3, Table 2306.3(1)
ANSI/APA PRR 410—16: Standard for Performance-Rated Engineered Wood Rim Boards
  2303.1.13
APA PDS—12: Panel Design Specification
  2306.1
APA PDS Supplement 1—12: Design and Fabrication of Plywood Curved Panels (revised 2013)
  2306.1
APA PDS Supplement 2—12: Design and Fabrication of Plywood-lumber Beams (revised 2013)
  2306.1
APA PDS Supplement 3—12: Design and Fabrication of Plywood Stressed-skin Panels (revised 2013)
  2306.1

APA - Engineered Wood Association
7011 South 19th Street
Tacoma, WA 98466
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APA—continued

APA PDS Supplement 4—12: Design and Fabrication of Plywood Sandwich Panels (revised 2013)
2306.1

APA PDS Supplement 5—16: Design and Fabrication of All-plywood Beams (revised 2013)
2306.1

2303.1.4, 602.4

APA R540—13: Builders Tips: Proper Storage and Handling of Glulam Beams
2306.1

APA S475—16: Glued Laminated Beam Design Tables
2306.1

APA S560—14: Field Notching and Drilling of Glued Laminated Timber Beams
2306.1

APA T300—16: Glulam Connection Details
2306.1

2306.1

APA X450—01: Glulam in Residential Construction—Western Edition
2306.1

ASABE
American Society of Agricultural and Biological Engineers
2950 Niles Road
St. Joseph, MI 49085

EP 484.3 MON2016: Diaphragm Design of Metal-clad, Wood-frame Rectangular Buildings
2306.1

EP 486.2 OCT 2012ED: Shallow-post and Pier Foundation Design
2306.1

2306.1

ASCE/SEI
American Society of Civil Engineers
Structural Engineering Institute
1801 Alexander Bell Drive
Reston, VA 20191-4400

7—16: Minimum Design Loads and Associated Criteria for Buildings and Other Structures with supplement No. 1
202, Table 1504.1.1, Table 1504.8, 1602.1, 1604.3, Table 1604.3.1, Table 1604.3.4, 1604.5, Table 1604.5.1, 1604.8.2,
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229.1, 1.1.1, Table 2304.6.1, Table 2306.3(3), Table 2308.7.5, 2404.1, 2505.1, 2505.2, 2506.2.1

8—02: Standard Specification for the Design of Cold-formed Stainless Steel Structural Members
1604.3.3, 2210.1, 2210.2

19—16: Structural Applications of Steel Cables for Buildings
2208.1

24—14: Flood Resistant Design and Construction
1202.4.2, 1202.4.4, 1612.4, 1612.5, 2702.1.8, 3001.3

29—05: Standard Calculation Methods for Structural Fire Protection
722.1
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32—01: Design and Construction of Frost Protected Shallow Foundations 1809.5

49—12: Wind Tunnel Testing for Buildings and Other Structures 1609.1.1

55—16: Tensile Membrane Structures 3102.2

ASME

ASME/A17.1—2016/CSA B44—16: Safety Code for Elevators and Escalators 907.3.3, 911.1.6, 1009.4.1, 1607.10.1, 3001.2, Table 3001.3, 3001.4, 3001.5, 3002.5, 3003.2, 3007.1, 3008.1.4, 3008.7.1


A18.1—2014: Safety Standard for Platform Lifts and Stairway Chairlifts 1109.8, Table 3001.3

A90.1—2015: Safety Standard for Belt Manlifts Table 3001.3

B16.18—2012: Cast Copper Alloy Solder Joint Pressure Fittings 909.13.1

B16.22—2013: Wrought Copper and Copper Alloy Solder Joint Pressure Fittings 909.13.1

B20.1—2015: Safety Standard for Conveyors and Related Equipment Table 3001.3, 3004.3

B31.3—2016: Process Piping 415.11.6

ASSE

ANSI/ASSE Z359.1—2016: Requirements for the ANSI/ASSE Z359 Fall Protection Code 1015.6, 1015.7

ASTM

A6/A6M—14: Standard Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes and Sheet Piling 1810.3.2.3, 1810.3.5.3.1, 1810.3.5.3.3

A36/A36M—14: Specification for Carbon Structural Steel 1810.3.2.3

A153/A153M—09: Specification for Zinc Coating (Hot-dip) on Iron and Steel Hardware 2304.10.5

A240/A240M—15a: Standard Specification for Chromium and Chromium-nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications Table 1507.4.3(1)

A252—10: Specification for Welded and Seamless Steel Pipe Piles 1810.3.2.3

A283/A283M—13: Specification for Low and Intermediate Tensile Strength Carbon Steel Plates 1810.3.2.3
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C33/C33M—13: Specification for Concrete Aggregates
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C67—14: Test Methods of Sampling and Testing Brick and Structural Clay Tile
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C73—14: Specification for Calcium Silicate Brick (Sand-lime Brick)
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C90—14: Specification for Loadbearing Concrete Masonry Units
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C91/C91M—12: Specification for Masonry Cement
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C94/C94M—15a: Specification for Ready-mixed Concrete
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C140/C140M—15: Test Method Sampling and Testing Concrete Masonry Units and Related Units
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C516—08(2014)e1: Specifications for Vermiculite Loose Fill Thermal Insulation
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C549—06(2012): Specification for Perlite Loose Fill Insulation
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### AWC

American Wood Council
222 Catoctin Circle SE, Suite 201
Leesburg, VA 20175

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AWCI

Association of the Wall and Ceiling Industry
513 West Broad Street, Suite 210
Falls Church, VA 22046

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AWPA

American Wood Protection Association
P.O. Box 361784
Birmingham, AL 35236-1784

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AWS

American Welding Society
8669 NW 36 Street, #130
Miami, FL 33166

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BHMA

Builders Hardware Manufacturers’ Association
355 Lexington Avenue, 15th Floor
New York, NY 10017-6603

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CEN

European Committee for Standardization (CEN)
Central Secretariat
Rue de Stassart 36
B-10 50 Brussels

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**CPA**

Composite Panel Association  
19465 Deerfield Avenue, Suite 306  
Leesburg, VA 20176

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**CPSC**

Consumer Product Safety Commission  
4330 East/West Highway  
Bethesda, MD 20814

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**CSA**

Canadian Standards Association  
8501 East Pleasant Valley Road  
Cleveland, OH 44131-5516

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**CSSB**

Cedar Shake & Shingle Bureau  
P. O. Box 1178  
Sumas, WA 98295-1178

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DASMA
Door & Access Systems Manufacturers Association International
1300 Sumner Avenue
Cleveland, OH 44115-2851

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DOC
U.S. Department of Commerce
National Institute of Standards and Technology
1401 Constitution Avenue NW
Washington, DC 20230

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DOL
U.S. Department of Labor
Occupational Safety and Health Administration
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402-9325

202

DOTn
U.S. Department of Transportation
Office of Hazardous Material Safety
1200 New Jersey Avenue, SE
East Building, 2nd Floor
Washington, DC 20590

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FEMA

Federal Emergency Management Agency
Federal Center Plaza
500 C Street S.W.
Washington, DC 20472

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FM

FM Approvals
Headquarters Office
1151 Boston-Providence Turnpike
P.O. Box 9102
Norwood, MA 02062

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GA

Gypsum Association
6525 Belcrest Road, Suite 480
Hyattsville, MD 20782

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HPVA

Hardwood Plywood & Veneer Association
1825 Michael Faraday Drive
Reston, VA 20190

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ICC

International Code Council, Inc.
500 New Jersey Ave NW
6th Floor
Washington, DC 20001

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IFGC—18: International Fuel Gas Code®
101.4.1, 201.3, Table 307.1(1), 415.9.2, 2113.11.1.2, 2113.15, 2702.2.6, 2801.1

IMC—18: International Mechanical Code®
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IPC—18: International Plumbing Code®
101.4.3, 201.3, 415.9.3, 603.1.2, 718.5, 903.3.5, 1205.3.3, 1502.1, 1502.2, 1805.4.3, 2901.1, Table 2902.1, 3111.2, 3305.1

IPMC—18: International Property Maintenance Code®
101.4.4, 102.6, 102.6.2, 103.3, 2701.1, 2801.1

IPSDC—18: International Private Sewage Disposal Code®
101.4.3, 2901.1

IRC—18: International Residential Code®
101.2, 102.6.1, 305.2.3, 308.2.4, 308.3.2, 308.5.4, 310.1, 310.4.1, 310.4.2, 2308.1

ISPSC—18: International Swimming Pool and Spa Code®
3109.1

IWUIC—18: International Wildland-Urban Interface Code®
Table 1505.1

SBCCI SSTD 11—97: Test Standard for Determining Wind Resistance of Concrete or Clay Roof Tiles
1504.2.1.1, 1504.2.1.2
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ISO

International Organization for Standardization
Chemin de Blandonnet 8
CP 401
1214 Vernier
Geneva, Switzerland

ISO 8115—86: Cotton Bales—Dimensions and Density
Table 307.1(1), Table 415.11.1.1.1

ISO 8336—09: Fiber-cement Flat Sheets—Product Specification and Test Methods
1403.10, 1404.16.1, 1404.16.2, Table 2509.2

MHI

Material Handling Institute
8720 Red Oak Blvd. Suite 201
Charlotte, NC 28217

ANSI MH29.1—08: Safety Requirements for Industrial Scissors Lifts
Table 3001.3

NAAMM

National Association of Architectural Metal Manufacturers
800 Roosevelt Road, Bldg. C, Suite 312
Glen Ellyn, IL 60137

FP 1001—07: Guide Specifications for Design of Metal Flag Poles
1609.1.1

NCMA

National Concrete Masonry Association
13750 Sunrise Valley
Herndon, VA 22071-4662

TEK 5—84(1996): Details for Concrete Masonry Fire Walls
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NFPA

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169-7471

10—18: Standard for Portable Fire Extinguishers
906.2, 906.3.2, 906.3.4, Table 906.3(1), Table 906.3(2)

11—16: Standard for Low Expansion Foam
904.7

12—15: Standard on Carbon Dioxide Extinguishing Systems
904.8, 904.12

12A—15: Standard on Halon 1301 Fire Extinguishing Systems
904.9

13—16: Standard for Installation of Sprinkler Systems
712.1.3.1, 903.3.1.1, 903.3.2, 903.3.8.2, 903.3.8.5, 904.12, 905.3.4, 907.6.4, 1019.3

13D—16: Standard for the Installation of Sprinkler Systems in One- and Two-family Dwellings and Manufactured Homes
903.3.1.3

13R—16: Standard for the Installation of Sprinkler Systems in Low-rise Residential Occupancies
903.3.1.2, 903.3.5.2, 903.4

14—16: Standard for the Installation of Standpipe and Hose System
905.2, 905.3.4, 905.4.2, 905.6.2, 905.8

16—15: Standard for the Installation of Foam-water Sprinkler and Foam-water Spray Systems
904.7, 904.12
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17—17: Standard for Dry Chemical Extinguishing Systems
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17A—17: Standard for Wet Chemical Extinguishing Systems
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20—16: Standard for the Installation of Stationary Pumps for Fire Protection
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30—18: Flammable and Combustible Liquids Code
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30A—18: Code for Motor Fuel Dispensing Facilities and Repair Garages
   406.2.9.2

31—16: Standard for the Installation of Oil-burning Equipment
   2113.15

32—16: Standard for Dry Cleaning Plants
   415.9.3

40—16: Standard for the Storage and Handling of Cellulose Nitrate Film
   409.1

   428.3.7

58—17: Liquefied Petroleum Gas Code
   415.9.2

61—17: Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Product Facilities
   426.1

70—17: National Electrical Code
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72—16: National Fire Alarm and Signaling Code
   407.4.3, 407.4.4.5, 407.4.4.5.1, 901.6, 903.4.1, 904.3.5, 907.1.2, 907.2, 907.2.6, 907.2.9.3, 907.2.10, 907.2.12.2, 907.3, 907.3.3, 907.3.4, 907.5.2.1.2, 907.5.2.2, 907.5.2.5, 907.6, 907.6.1, 907.6.2, 907.6.6, 907.7, 907.7.1, 907.7.2, 911.1.6, 917.1, 2702.2.4, 3005.5, 3007.7

80—16: Standard for Fire Doors and Other Opening Protectives
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82—14: Standard on Incinerators and Waste and Linen Handling Systems and Equipment
   713.13

85—15: Boiler and Combustion System Hazards Code
   426.1

92—15: Standard for Smoke Control Systems
   909.7, 909.8

99—18: Health Care Facilities Code
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105—16: Standard for Smoke Door Assemblies and Other Opening Protectives
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110—16: Standard for Emergency and Standby Power Systems
   2702.1.3

111—13: Standard on Stored Electrical Energy Emergency and Standby Power Systems
   2702.1.3

120—15: Standard for Fire Prevention and Control in Coal Mines
   426.1

130—17: Standard for Fixed Guideway Transit and Guideway Transit and Passenger Rail Systems
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170—18: Standard for Fire Safety and Emergency Symbols
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2112.5

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706.2

252—17: Standard Methods of Fire Tests of Door Assemblies
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1405.1.1.1, 1405.1.1.1.1, 1405.1.1.1.2, 2603.5.7

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276—15: Standard Method of Fire Tests for Determining the Heat Release Rate of Roofing Assemblies with Combustible Above-deck Roofing Components
1508.1, 2603.3, 2603.4.1.5

718.2.6, 1402.5.5, 1406.10.4, 1408.10.4, 1510.6.2, 2603.5.5

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288—17: Standard Methods of Fire Tests of Horizontal Fire Door Assemblies Installed in Horizontal in Fire-resistance-rated Floor Systems
712.1.13.1

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412.7.4

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426.1

652—16: Standard on the Fundamentals of Combustible Dust
426.1

654—17: Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids
426.1

655—17: Standard for the Prevention of Sulfur Fires and Explosions
426.1

664—17: Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities
426.1

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PCI

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1903.3

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PTI

PTI DC—10.5-12: Standard Requirements for Design and Analysis of Shallow Concrete Foundations on Expansive Soils
1808.6.2

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RMI

2209.1

2209.2

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SBCA

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2603.10

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SDI

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2210.1.1.1

SDI RD—2017: Standard for Steel Roof Deck
2210.1.1.2

SDI-C—2017: Standard for Composite Steel Floor Deck—Slabs
2210.1.1.3
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SDI-QA/QC—2017: Standard for Quality Control and Quality Assurance for Installation of Steel Deck
1705.2.2

SJI
Steel Joist Institute
234 W. Cheves Street
Florence, SC 29501

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1604.3.3, 2203.2, 2207.1

SPRI
Single-Ply Roofing Institute
465 Waverly Oaks Road, Suite 421
Waltham, MA 02452

1504.5
1504.4
ANSI/SPRI VF1—10: External Fire Design Standard for Vegetative Roofs
1505.10

SRCC
Solar Rating & Certification Corporation
400 High Point Drive, Suite 400
Cocoa, FL 32926

ICC 900/SRCC 300—2015: Solar Thermal System Standard
3111.2.1
ICC 901/SRCC 100—2015: Solar Thermal Collector Standard
3111.2.1

TIA
Telecommunications Industry Association
1320 N. Courthouse Road #200
Arlington, VA 22201-3834

1609.1.1, 3108.1, 3108.2

TMS
The Masonry Society
105 South Sunset Street, Suite Q
Longmont, CO 80501

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1207.2.1
402—2016: Building Code for Masonry Structures
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TPI

Truss Plate Institute
218 N. Lee Street, Suite 312
Alexandria, VA 22314

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UL

UL LLC
333 Pfingsten Road
Northbrook, IL 60062-2096

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   716.2.1

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103—2010: Factory-built Chimneys, for Residential Type and Building Heating Appliances—with Revisions through July 2012
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199E—04: Outline of Investigation for Fire Testing of Sprinklers and Water Spray Nozzles for Protection of Deep Fat Fryers
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217—06: Single and Multiple Station Smoke Alarms—with Revisions through October 2015
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300A—06: Outline of Investigation for Extinguishing System Units for Residential Range Top Cooking Surfaces
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555—2006: Fire Dampers—with Revisions through May 2014
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555S—99: Smoke Dampers—with Revisions through February 2014
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580—2006: Test for Uplift Resistance of Roof Assemblies—with Revisions through October 2013
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641—2010: Type I. Low-temperature Venting Systems—with Revisions through June 2013
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710B—2011: Recirculating Systems—with Revisions through August 2014
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793—08: Automatically Operated Roof Vents for Smoke and Heat—with Revisions through September 2011
910.3.1

864—03: Control Units and Accessories for Fire Alarm Systems—with Revisions through December 2014
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1505.9

ULC

Underwriters Laboratories of Canada
13775 Commerce Parkway
Richmond, BC V6V 2V4

CAN/ULC S 102.2—2010: Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings and Miscellaneous Materials and Assemblies—with 2000 Revisions
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USC

United States Code
c/o Superintendent of Documents
U.S. Government Printing Office
732 North Capitol Street NW
Washington, DC 20401

18 USC Part 1, Ch.40: Importation, Manufacture, Distribution and Storage of Explosive Materials
202

WCLIB

West Coast Lumber Inspection Bureau
P.O. Box 23145
Portland, OR 97281

AITC 104—03: Typical Construction Details
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AITC 110—01: Standard Appearance Grades for Structural Glued Laminated Timber
2306.1

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2306.1

AITC 119—96: Standard Specifications for Structural Glued Laminated Timber of Hardwood Species
2306.1

AITC 200—09: Manufacturing Quality Control Systems Manual for Structural Glued Laminated Timber
2306.1
WDMA

Window and Door Manufacturers Association
2025 M Street NW, Suite 800
Washington, DC 20036-3309

AAMA/WDMA/CSA 101/I.S.2/A440—17: Specifications for Windows, Doors and Unit Skylights
1709.5.1, 2405.5

WRI

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