



APPENDIX C
CODE CHANGE PROPOSAL
NORTH CAROLINA
BUILDING CODE COUNCIL

Item B-6

325 North Salisbury Street, Room 5_44
Raleigh, North Carolina 27603
(919) 647-0009
carl.martin@ncdoi.gov

Granted by BCC _____ Adopted by BCC _____ Item Number _____
Denied by BCC _____ Disapproved by BCC _____ Approved by RRC _____
Objection by RRC _____

PROPONENT: David B. Rittlinger PHONE: (919) 647-0008
REPRESENTING: NCDOT-OSFM Engineering and Codes Division
ADDRESS: 1429 Rock Quarry Road, Suite 105
CITY: Raleigh STATE: NC ZIP: 27610
E-MAIL: david.rittlinger@ncdoi.gov FAX: ()

2024 North Carolina Residential Code – Chapter 44 Referenced Standards _____

CHECK ONE: [] Revise section to read as follows: [X] Delete section and substitute the following:
[] Add new section to read as follows: [] Delete section without substitution:

LINE THROUGH MATERIAL TO BE DELETED UNDERLINE MATERIAL TO BE ADDED

Please type. Continue proposal or reason on plain paper attached to this form. See reverse side for instructions.

See attached.

Will this proposal change the cost of construction? Decrease [] Increase [] No [X]
Will this proposal increase to the cost of a dwelling by \$80 or more? Yes [] No [X]
Will this proposal affect the Local or State funds? Local [] State [] No [X]
Will this proposal cause a substantial economic impact (>=\$1,000,000)? Yes [] No [X]

- Non-Substantial – Provide an economic analysis including benefit/cost estimates.
• Substantial – The economic analysis must also include 2-alternatives, time value of money and risk analysis.
• Pursuant to §143-138(a1)(2) a cost-benefit analysis is required for all proposed amendments to the NC Energy Conservation Code. The Building Code Council shall also require same for the NC Residential Code, Chapter 11.

REASON: Updated to provide a complete 2024 NCRC. 2018 NCRC Chapter 44 Referenced Standards is deleted in its entirety. Chapter 44 Referenced Standards is updated from the 2015 IRC to the 2021 IRC. The 2021 IRC Chapter 44 Referenced Standards are adopted and amended to create the 2024 NCRC Chapter 44 Referenced Standards. Section references are coordinated with the proposed 2024 NCRC Chapters 1-10, 25-33, 45 and 46 and Appendices and 2018 NCRC Chapters 11-24 (Energy, Mechanical and Fuel Gas). This petition assumes NC General Assembly H488/S378 becomes law prior to the NCBCC Public Hearing on September 12, 2023. Per H488/S378, 2018 NCRC Chapters 11-24 (Energy, Mechanical and Fuel Gas) are prohibited from being updated by the current NCBCC.

BCC CODE CHANGES

Signature:



Date: 7/31/2023

FORM 11/26/19

INSTRUCTIONS

Each proposed Code change request shall comply with the following policies:

Rule 1: The Original and twenty-two (22) copies of the proposed Petition for Rule-Making along with supporting documentation shall be filed with the Building Code Council Secretary. Submit one (1) electronic copy via email.

Rule 2: The filing shall be received by the first day of the month prior to the quarterly scheduled meeting date. Example: A December meeting date will require filing by November 1 prior to the meeting.

Rule 3: Each request shall be typewritten on this form and shall contain the following:

- (1) The proposed rule change must be set forth in full and contain explicit reference to the affected section or sections of the Code.
- (2) The request shall state the reasons for the proposed rule change with supporting documentation.
- (3) The proposed rule change shall comply with the standards set forth in GS 143-138(c) and reference to the particular standards shall be set forth in the request for the amendment.
- (4) The proposed rule change shall contain an economic impact analysis as required by GS 143-138(a).
- (5) A proposed rule change to the NC Energy Conservation Code shall have an accompanying cost-benefit analysis as required by GS 143-138(a1)(2).

Rule 4: When a request is improperly filed or not in accordance with all the rules listed above, the BCC Secretary shall reject the submittal and notify the applicant of the proper procedure to follow.

Rule 5: Upon the proper filing of a request, the BCC Secretary shall forward one copy of said request to each council member prior to the scheduled meeting date. Persons filing proposed petitions are hereby notified of the place and time of the scheduled hearings. The BCC Secretary shall cause to be published the notice of public hearing as specified in GS 143-138(a).

Rule 6: The Council shall either Grant or Deny the proposed Petition for Rulemaking at the meeting following receipt of the proposed rule change. The Council will take no further action on items that are Denied. Granted items may be referred to Committee for review.

Rule 7: The Council will hold a public hearing on Granted items at the next quarterly scheduled meeting. The Council will take final action on Granted items at the next quarterly scheduled meeting after the public hearing.

Timeline Example

Petition received:	February 1
Petition Granted:	March BCC meeting
Notice of Hearing published:	April NC Register
Committee review:	May - June
Hearing held:	June BCC meeting
Final Adoption:	September BCC meeting
Rules Review Meeting:	November RRC meeting
Approved:	December 1

Part IX—Referenced Standards

CHAPTER 44

REFERENCED STANDARDS

User notes:

About this chapter: The one- and two-family dwelling code North Carolina Residential Code contains numerous references to standards promulgated by other organizations that are used to provide requirements for materials, products and methods of construction. Chapter 44 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 R102.4.

AAMA

American Architectural Manufacturers Association
1900 E. Golf Road, Suite 1250
Schaumburg, IL 60173

450—20

Voluntary Performance Rating Method for Mullled Fenestration Assemblies

R609.8

506—16

Voluntary Specifications for Hurricane Impact and Cycle Testing of Fenestration Products

R609.6.1

711—20

Voluntary Specification for Self-adhering Flashing Used for Installation of Exterior Wall Fenestration Products

R703.4

712—14

Voluntary Specification for Mechanically Attached Flexible Flashing

R703.4.1

714—19

Voluntary Specification for Liquid Applied Flashing Used to Create a Water-resistive Seal around Exterior Wall Openings in Buildings

R703.4

AAMA/NSA 2100—19

Specifications for Sunrooms

~~R301.2.1.1.1~~R301.1.1

AAMA/WDMA/CSA 101/I.S.2/A440—17

North American Fenestration Standards/Specifications for Windows, Doors and Skylights

N1102.4.34, R308.6.9, R609.3

ACCA

Air Conditioning Contractors of America
1330 Braddock Place, Suite 350
Alexandria, VA 22314

ANSI/ACCA 1 Manual D—2016

Residential Duct Systems

Table R301.2(1), M1401.3, M1601.1, M1602.2

ANSI/ACCA 2 Manual J—2016

Residential Load Calculation

N1103.7, M1401.3

ANSI/ACCA 3 Manual S—2014

Residential Equipment Selection

N1103.7, M1401.3

ACI

American Concrete Institute
38800 Country Club Drive
Farmington Hills, MI 48331

318—19

Building Code Requirements for Structural Concrete

R301.2.2.5, R402.2, Table R404.1.2(2), Table R404.1.2(5), Table R404.1.2(6), Table R404.1.2(7),
Table R404.1.2(8), R404.1.3, R404.1.3.1, R404.1.3.3, R404.1.3.4, ~~R404.1.4.2~~, R404.5.1, R608.1,
R608.1.1, R608.1.2, R608.2, R608.5.1, R608.6.1, R608.8.2, R608.9.2, R608.9.3

332—20

Residential Code Requirements for Structural Concrete

R402.2, R403.1, R404.1.3, R404.1.3.4, ~~R404.1.4.2~~, R506.1, R608.1, R608.5.1

AISI

American Iron and Steel Institute
25 Massachusetts Avenue, NW Suite 800
Washington, DC 20001

AISI S100—16 (2020) w/S2—20

North American Specification for the Design of Cold-Formed Steel Structural Members, 2016 Edition (Reaffirmed 2020), with Supplement 2, 2020 Edition

~~R608.9.2~~, ~~R608.9.3~~

AISI S220—20

North American Standard for Cold-Formed Steel Nonstructural Framing, 2020

~~R702.3.3~~

AISI S230—19

Standard for Cold-Formed Steel Framing—Prescriptive Method for One- and Two-Family Dwellings, 2019

R301.1.1.1, ~~R301.2.1.1~~, ~~R301.2.2.7~~, ~~R301.2.2.8~~, R505.1.1.1, R505.1.3, R505.2.3, R505.2.6,
~~R603.1.1.1~~, ~~R603.2.3~~, ~~R603.2.6~~, ~~R603.6~~, ~~R603.9.4.1~~, ~~R603.9.4.2~~, Figure 608.9(11), ~~R608.9.2~~,
~~R608.9.3~~, ~~R608.10~~, ~~R804.1.1.1~~, ~~R804.2.3~~, ~~R804.2.6~~, ~~R804.3.2.1.2~~, ~~R804.3.6~~

AISI S240—20

North American Standard for Cold-Formed Steel Structural Framing, 2020

~~R505.1.3.2~~, ~~R505.2.1~~, ~~R505.2.2~~, ~~R505.2.4~~, ~~R603.1.2~~, ~~R603.2.1~~, ~~R603.2.2~~, ~~R603.2.4~~, ~~R603.6~~,
~~R702.3.3~~, ~~R804.1.2~~, ~~R804.2.1~~, ~~R804.2.2~~, ~~R804.2.4~~, ~~R804.3.6~~

AMCA

Air Movement and Control Association International
30 West University Drive
Arlington Heights, IL 60004

ANSI/AMCA 210-ANSI/ASHRAE 51—16

Laboratory Methods of Testing Fans for Aerodynamic Performance Rating

Table M1504.2, M1505.3

ANCE

Association of Standardization and Certification
Av. Lázaro Cárdenas No. 869
Fraccion 3
Col. Nva. Industrial Vallejo
Deleg. Gustavo A. Madero
Mexico, D.F.

~~NMX-J-521/2-40-ANCE—2014/CAN/CSA-22.2 No. 60335-2-40—12/UL 60335-2-40~~

~~Safety of Household and Similar Electric Appliances, Part 2-40: Particular Requirements for Heat Pumps, Air Conditioners and Dehumidifiers~~

~~M1403.1, M1412.1, M1413.1~~

ANSI

American National Standards Institute
25 West 43rd Street, 4th Floor
New York, NY 10036

A108.1A—17

Installation of Ceramic Tile in the Wet-set Method, with Portland Cement Mortar

R702.4.1

A108.1B—2017

Installation of Ceramic Tile, Quarry Tile on a Cured Portland Cement Mortar Setting Bed with Dry-set or Latex Portland Mortar

R702.4.1

A108.4—09

Installation of Ceramic Tile with Organic Adhesives or Water-Cleanable Tile-setting Epoxy Adhesive

R702.4.1

A108.5—20

Installation of Ceramic Tile with Dry-set Portland Cement Mortar or Latex Portland Cement Mortar

R702.4.1

ANSI—continued

A108.6—99(reaffirmed 2019)

Installation of Ceramic Tile with Chemical-resistant, Water-cleanable Tile-setting and -grouting Epoxy

R702.4.1

A108.11—10

Interior Installation of Cementitious Backer Units

R702.4.1

A118.1—18

American National Standard Specifications for Dry-set Portland Cement Mortar

R702.4.1

A118.3—13

American National Standard Specifications for Chemical-resistant, Water-cleanable Tile-setting and -grouting Epoxy, and Water-cleanable Tile-setting Epoxy Adhesive

R702.4.1

A118.4—18

American National Standard Specifications for Modified Dry-Set Cement Mortar

R606.2.11

A118.10—14

Specification for Load-bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimension Stone Installation
P2708.1, P2709.2, P2709.2.4

A136.1—20

American National Standard Specifications for Organic Adhesives for Installation of Ceramic Tile
R702.4.1

A137.1—19

American National Standard Specifications for Ceramic Tile
R702.4.1

ANSI 117—2020

Standard Specifications for Structural Glued Laminated Timber of Softwood Species
R502.1.3, R602.1.3, R802.1.32

ANSI/CSA FC 1—2014

Fuel Cell Technologies—Part 3-100: Stationary Fuel Cell Power Systems—Safety
M1903.1

LC1/CSA 6.26—2018

Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)
G2411.31.1, G2414.4.45.3, G2415.5

LC4/CSA 6.32—12

Press-connect Metallic Fittings for Use in Fuel Gas Distribution Systems
G2414.910.1, G2414.910.2, ~~G2414.9.3~~, G2415.5

Z21.1—2016

Household Cooking Gas Appliances
~~M1503.2~~, G2447.1

Z21.5.1/CSA 7.1—2017

Gas Clothes Dryers—Volume I—Type I Clothes Dryers
G2438.1

Z21.8—94(R2017)

Installation of Domestic Gas Conversion Burners
G2443.1

Z21.10.1/CSA 4.1—2017

Gas Water Heaters—Volume I—Storage Water Heaters with Input Ratings of 75,000 Btu per hour or Less
G2448.1

Z21.10.3/CSA 4.3—2017

Gas Water Heaters—Volume III—Storage Water Heaters with Input Ratings above 75,000 Btu per hour, Circulating and Instantaneous
G2448.1

Z21.11.2—2016

Gas-fired Room Heaters—Volume II—Unvented Room Heaters
G2445.1

Z21.13/CSA 4.9—2017

Gas-fired Low-pressure Steam and Hot Water Boilers
G2452.1

Z21.15/CSA 9.1—09(R2014)

Manually Operated Gas Valves for Appliances, Appliance Connector Valves and Hose End Valves

Table G2420.1.1

Z21.22—2015

Relief Valves for Hot Water Supply Systems

P2804.2, P2804.7

Z21.24/CSA 6.10—2015

Connectors for Gas Appliances

G2422.1, G2422.2

Z21.40.1/CSA 2.91—96(2017)

Gas-fired, Heat-activated Air-conditioning and Heat Pump Appliances

G2449.1

Z21.40.2/CSA 2.92—96(R2017)

Gas-fired Work Activated Air-conditioning and Heat Pump Appliances (Internal Combustion)

G2449.1

ANSI—continued

Z21.41/CSA 6.9—2014

Quick Disconnect Devices for Use with Gas Fuel Appliances

G2422.1

Z21.42—2013

Gas-fired Illuminating Appliances

G2450.1

Z21.47/CSA 2.3—2016

Gas-fired Central Furnaces

G2442.1

Z21.50/CSA 2.22—2016

Vented Decorative Gas Fireplaces

G2434.1

Z21.54—2014

Gas Hose Connectors for Portable Outdoor Gas-fired Appliances

G2422.1

Z21.56/CSA 4.7—17

Gas-fired Pool Heaters

G2441.1

Z21.58—2018/CSA 1.6—2018

Outdoor Cooking Gas Appliances

G2447.1

Z21.60/CSA 2.26—2017

Decorative Gas Appliances for Installation in Solid Fuel-burning Fireplaces

G2432.1

Z21.69/CSA 6.16—2015

Connectors for Movable Gas Appliances

G2422.1.5

Z21.75/CSA 6.27—2016

Connectors for Outdoor Gas Appliances and Manufactured Homes

G2422.1

Z21.80/CSA 6.22—11(R2016)

Line Pressure Regulators

G2421.1

Z21.84—2017

Manually Lighted, Natural Gas Decorative Gas Appliances for Installation in Solid Fuel-burning Appliances

G2432.1, G2432.2

Z21.86/CSA 2.32—2016

Vented Gas-fired Space Heating Appliances

G2436.1, G2437.1, G2446.1

Z21.88/CSA 2.33—16

Vented Gas Fireplace Heaters

G2435.1

Z21.90/CSA 6.24-2015

Gas Convenience Outlets and Optional Enclosures

~~G2422.1~~

Z21.91—2017

Ventless Firebox Enclosures for Gas-fired Unvented Decorative Room Heaters

G2445.7.1

Z21.93/CSA 6.30—2017

Excess Flow Valves for Natural Gas and Propane Gas with Pressures up to 5 psig

~~G2421.4~~

Z21.97—2014

Outdoor Decorative Gas Appliances

~~G2453.1~~

Z83.6—90 (R1998)

Gas-fired Infrared Heaters

~~G2451.1~~

Z83.8/CSA 2.6—2016

Gas Unit Heaters, Gas Packaged Heaters, Gas Utility Heaters, and Gas-fired Duct Furnaces

G2444.1

Z83.19—2017

Gas-fired High-intensity Infrared Heaters

G2451.1

Z83.20—2016

Gas-fired Low-intensity Infrared Heaters Outdoor Decorative Appliances

G2451.1

Z97.1—2017

Safety Glazing Materials Used in Buildings—Safety Performance Specifications and Methods of Test

R308.1.1, R308.3.1, Table R308.3.1(2)

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

ANSI/A190.1—2017

Structural Glued-laminated Timber

R502.1.3, R602.1.3, R802.1.2

APA—continued

ANSI/APA PRG 320—2019

Standard for Performance-rated Cross Laminated Timber

R502.1.6, R602.1.6, R802.1.6

ANSI/APA PRP 210—2019

Standard for Performance-rated Engineered Wood Siding

R604.1, Table R703.3(1), R703.3.4

ANSI/APA PRR 410—2016

Standard for Performance-rated Engineered Wood Rim Boards

R502.1.7, R602.1.7, R802.1.7

ANSI/APA PRS 610.1—2018

Standard for Performance-Rated Structural Insulated Panels in Wall Applications

R602.1.11, R610.3, R610.4

APA E30—19

Engineered Wood Construction Guide

Table R503.2.1.1(1), R503.2.2, R803.2.2, R803.2.3

APSP

Pool & Hot Tub Alliance (formerly the Association of Pool & Spa Professionals)
211 Eisenhower Avenue, Suite 500
Alexander, VA 22314

ANSI/APSP/ICC 14—2019

American National Standard for Portable Electric Spa Energy Efficiency

~~N1103.11~~

ANSI/APSP/ICC 15a—2011

American National Standard for Residential Swimming Pool and Spas—Includes Addenda A Approved January 9, 2013

N1103.12

ASCE/SEI

American Society of Civil Engineers
Structural Engineering Institute
Reston, VA 20191-4400

7—16 with Supplement 1

Minimum Design Loads and Associated Criteria for Buildings and Other Structures

~~Table R301.2.1(1), Table R608.7(1A).1.1(1), Table R608.7(1B).1.1(2), Table R608.7(1C).1.1(3),~~
R301.2.1.1, R301.2.1.2, R301.2.1.2.1, ~~R301.2.1.5, R301.2.1.5.1,~~ Table R608.6(1), Table R608.6(2),
Table R608.6(3), Table R608.6(4), R608.9.2, R608.9.3, R609.2, R609.6.2

24—14

Flood-resistant Design and Construction

R301.2.4, R301.2.4.1, R322.1, R322.1.1, R322.1.6, ~~R322.1.9, R322.2.2, R322.3.3~~

32—01

Design and Construction of Frost-protected Shallow Foundations

~~R403.1.4.1~~

ASHRAE

ASHRAE 34—2019

Designation and Safety Classification of Refrigerants

M1411.1

ASHRAE 193—2010(RA 2014)

Method of Test for Determining Airtightness of HVAC Equipment

~~N1103.3.4.1~~

ASHRAE—2001

2001 ASHRAE Handbook of Fundamentals

Table N1105.45.2(1)

ASHRAE—2017

ASHRAE Handbook of Fundamentals

N1102.1.5, P3001.2, P3101.4

ASME

American Society of Mechanical Engineers
Two Park Avenue
New York, NY 10016-5990

A18.1—2020

Safety Standard for Platforms and Stairway Chair Lifts

R321.2

A112.1.2—2012(R2017)

Air Gaps in Plumbing Systems (For Plumbing Fixtures and Water Connected Receptors)

P2717.1, P2718.2, Table P2902.3, P2902.3.1

ASME—continued

A112.1.3—2000 (R2019)

Air Gap Fittings for Use with Plumbing Fixtures, Appliances and Appurtenances

Table P2701.1, P2717.1, P2718.2, Table P2902.3, P2902.3.1

A112.3.1—2007(R2017)

Stainless Steel Drainage Systems for Sanitary, DWV, Storm and Vacuum Applications Above and Below Ground

P2719.3, Table P3002.1(1), Table P3002.1(2), Table P3002.2, Table P3002.3, ~~Table P3302.1~~

A112.3.4—2018/CSA B45.9—2018

Macerating Toilet Systems and Related Components

Table P2701.1, P2723.1, P3007.5

A112.4.1—2019

Water Heater Relief Valve Drain Tubes

P2804.6.1

A112.4.3—1999(R2019)

Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System

P3003.14

A112.4.4—2017

Plastic Push-Fit Drain, Waste, and Vent (DWV) Fittings

Table P3002.3, P3003.3.4, P3003.9.4

A112.4.14—2019/CSA B125.14-19

Manually Operated Valves for Use in Plumbing Systems

Table P2903.9.4

A112.6.1M—1997(R2017)

Floor Affixed Supports for Off-the-Floor Plumbing Fixtures for Public Use

P3003.14.2

A112.6.2—2017

Framing-affixed Supports for Off-the-floor Water Closets with Concealed Tanks

Table P2701.1, P2702.4, P3003.14.2

A112.6.3—2019

Floor and Trench Drains

Table P2701.1, P2708.1, P2719.3

A112.14.1—03(R2017)

Backwater Valves

P3008.3

A112.18.1—2018/CSA B125.1—2018

Plumbing Supply Fittings

Table P2701.1, P2708.4, P2708.5, P2722.1, P2722.3, P2902.2, Table P2903.9.4

A112.18.2—2020/CSA B125.2—2020

Plumbing Waste Fittings

Table P2701.1, P2702.2, P2708.1, P2708.2.1, P2709.4.1

A112.18.3M—2002(R2017)

Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings

P2708.5, P2722.3

A112.18.6—2017/CSA B125.6—17

Flexible Water Connectors

P2906.7

A112.19.1—2018/CSA B45.2—18

Enameled Cast-iron and Enameled Steel Plumbing Fixtures

Table P2701.1, P2711.1, P2713.4, P2714.3, P2715.2

A112.19.2—2018/CSA B45.1—18

Ceramic Plumbing Fixtures

Table P2701.1, P2705.1, P2711.1, P2712.1, P2712.2, P2712.9, P2713.4, P2714.3, P2715.2, P2721.3

A112.19.3—2017/CSA B45.4—2017

Stainless Steel Plumbing Fixtures

Table P2701.1, P2705.1, P2711.1, P2712.1, P2713.4, P2714.3, P2715.2

A112.19.5—2017/CSA B45.15—2017

Flush Valves and Spuds for Water-closets, Urinals and Tanks

Table P2701.1

A112.19.7—2012/CSA B45.10—2012(R2017)

Hydromassage Bathtub Systems

Table P2701.1, P2720.5, P2720.6

A112.19.12—2014(R2019)

Wall-mounted and Pedestal-mounted, Adjustable, Elevating, Tilting, and Pivoting Lavatory and Sink, and Shampoo Bowl Carrier Systems and Drain Waste Systems

Table P2701.1, P2711.4, P2714.2

A112.19.14—2013(R2018)

Six-Liter Water Closets Equipped with Dual Flushing Device

P2712.1

A112.19.15—2012(R2017)

Bathtub/Whirlpool Bathtubs with Pressure-sealed Doors

Table P2701.1, P2713.2

A112.36.2M—1991(R2017)

Cleanouts

P3005.2.10.23

ASME A17.1—2019/CSA B44—2019

Safety Code for Elevators and Escalators

R321.1, R321.4

ASME A112.4.2—2015/CSA B45.16—2015(R2020)

Water-closet Personal Hygiene Devices

P2722.5

ASME—continued

ASSE 1002—2020/ASME A112.1002—2020/CSA B125.12—20

Anti-Siphon Fill Valves

Table P2701.1, Table P2902.3, P2902.4.1

ASSE 1016—2017/ASME 112.1016—2017/CSA B125.16—2017

Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations

Table P2701.1, P2708.4, P2722.2

ASSE 1070—2020/ASME A112.1070—2020

Performance Requirements for Water-temperature-limiting Devices

P2713.3, P2721.2

B1.20.1—2013(R2018)

Pipe Threads, General-purpose (Inch)

M2102.1.5, M2105.9.1, M2202.11.3, G2414.9, P3003.3.3, P3003.6.4, P3003.7.1, P3003.9.3

B16.3—2016

Malleable-iron-threaded Fittings, 150 and 300

Table P2906.6

B16.4—2016

Gray-iron-threaded Fittings

Table P2906.6, Table P3002.3

B16.9—2018

Factory-made, Wrought-steel Butt-welding Fittings

Table P2906.6

B16.11—2016

Forged Fittings, Socket-welding and Threaded

Table P2906.6

B16.12—2009(R2014)

Cast-iron-threaded Drainage Fittings

Table P3002.3

B16.15—2018

Cast Alloy Threaded Fittings: Classes 125 and 250

Table P2906.6, Table P3002.3

B16.18—2018

Cast-copper-alloy Solder Joint Pressure Fittings

Table P2906.6, Table P3002.3

B16.22—2018

Wrought-copper and Copper-alloy Solder Joint Pressure Fittings

Table P2906.6, Table P3002.3

B16.23—2016

Cast-copper-alloy Solder Joint Drainage Fittings (DWV)

Table P3002.3

B16.26—2018

Cast-copper-alloy Fittings for Flared Copper Tubes

Table P2906.6, Table P3002.3

B16.28—1994

Wrought-steel Buttwelding Short Radius Elbows and Returns

Table P2906.6

B16.29—2017

Wrought-copper and Wrought-copper-alloy Solder Joint Drainage Fittings (DWV)

Table P3002.3

B16.33—2012(R2017)

Manually Operated Metallic Gas Valves for Use in Gas Piping Systems up to 125 psig (Sizes 1/2 through 2)

Table G2420.1.1

B16.34—2017

Valves—Flanged, Threaded and Welding End

Table P2903.9.4

B16.44—2012(R2017)

Manually Operated Metallic Gas Valves for Use in Above-ground Piping Systems up to 5 psi

Table G2420.1.1

B16.51—2018

Copper and Copper Alloy Press-Connect Pressure Fittings

~~Table M2101.1, M2103.3~~ Table P2906.6

B36.10M—2018

Welded and Seamless Wrought-steel Pipe

G2414.4.2

BPVC—2019

ASME Boiler and Pressure Vessel Code (Sections I, II, IV, V, VI and VIII)

M2001.1.1, G2452.1

CSD-1—2018

Controls and Safety Devices for Automatically Fired Boilers

M2001.1.1, G2452.1

ASSE

ASSE International
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1001—2017

Performance Requirements for Atmospheric-type Vacuum Breakers

Table P2902.3, P2902.3.2

1003—2009

Performance Requirements for Water-pressure-reducing Valves for Domestic Water Distribution Systems

P2903.3.4~~2~~

1005—99

Performance Requirements for Water Heater Drain Valves

P2801.2

1008—2006

Performance Requirements for Plumbing Aspects of Residential Food Waste Disposer Units

Table P2701.1, P2716.3

1010—2004

Performance Requirements for Water Hammer Arresters

P2903.5

1011—2017

Performance Requirements for Hose Connection Vacuum Breakers

Table P2902.3, P2902.3.2

1012—2009

Performance Requirements for Backflow Preventers with Intermediate Atmospheric Vent

Table P2902.3, P2902.3.3, P2902.5.1, P2902.5.5.3

1013—2011

Performance Requirements for Reduced Pressure Principle Backflow Preventers and Reduced Pressure Principle Fire Protection Backflow Preventers

Table P2902.3, P2902.3.5, P2902.5.1, P2902.5.5.3

1015—2011

Performance Requirements for Double Check Backflow Prevention Assemblies and Double Check Fire Protection Backflow Prevention Assemblies

Table P2902.3, P2902.3.6

1017—2009

Performance Requirements for Temperature-actuated Mixing Valves for Hot Water Distribution Systems

M2004.1.2, P2724.1, P2802.1, P2803.2

1018—2001

Performance Requirements for Trap Seal Primer Valves; Potable Water Supplied

P3201.2.1.1, P3201.2.1.2

1019—2011(R2016)

Performance Requirements for Freeze-resistant, Wall Hydrants, Vacuum Breaker, Draining Types

Table P2701.1, Table P2902.3, P2902.3.2

1020—2004

Performance Requirements for Pressure Vacuum Breaker Assembly

Table P2902.3, P2902.3.4

1023—1979

Performance Requirements for Hot Water Dispensers, Household-storage-type—Electrical

Table P2701.1

1024—2017

Performance Requirements for Dual Check Backflow Preventers, Anti-siphon-type, Residential Applications

Table P2902.3, P2902.3.7

1035—2008

Performance Requirements for Laboratory Faucet Backflow Preventers

Table P2902.3, P2902.3.2

1044—2015

Performance Requirements for Trap Seal Primer Devices Drainage Types and Electronic Design Types

P3201.2.1.3

1047—2011

Performance Requirements for Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies

Table P2902.3, P2902.3.5

1048—2011

Performance Requirements for Double Check Detector Fire Protection Backflow Prevention Assemblies

Table P2902.3, P2902.3.6

1050—2009

Performance Requirements for Stack Air Admittance Valves for Sanitary Drainage Systems

P3114.1

1051—2009

Performance Requirements for Individual and Branch-type Air Admittance Valves for Plumbing Drainage Systems

P3114.1

1052—2016

Performance Requirements for Hose Connection Backflow Preventers

Table P2701.1, Table P2902.3, P2902.3.2

1056—2013

Performance Requirements for Spill-resistant Vacuum Breakers

Table P2902.3, P2902.3.4

1060—2017

Performance Requirements for Outdoor Enclosures for Fluid-conveying Components

P2902.6.1

1061—2015

Performance Requirements for Push Fit Fittings

Table P2906.6, P2906.21

ASSE—continued

1062—2017

Performance Requirements for Temperature-actuated, Flow Reduction (TAFR) Valves for Individual Supply Fittings

Table P2701.1, P2724.2

1066—1997

Performance Requirements for Individual Pressure Balancing In-line Valves for Individual Fixture Fittings

P2722.4

1072—2007

Performance Requirements for Barrier-type Floor Drain Trap Seal Protection Devices

P3201.2.1.4

1081—2014

Performance Requirements for Backflow Preventers with Integral Pressure Reducing Boiler Feed Valve and Intermediate Atmospheric Vent Style for Domestic and Light Commercial Water Distribution Systems

Table P2902.3, P2902.3.3

ASSE 1002—2020/ASME A112.1002—2020/CSA B125.12—20

Anti-Siphon Fill Valves

Table P2701.1, Table P2902.3, P2902.4.1

ASSE 1016—2017/ASME 112.1016—2017/CSA B125.16—2017

Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations

Table P2701.1, P2708.4, P2722.2

ASSE 1037—2015/ASME A112.1037—2015/CSA B125.37—15

Performance Requirements for Pressurized Flushing Devices for Plumbing Fixtures

~~Table P2701.1~~

ASSE 1070—2020/ASME A112.1070—2020/CSA B125.70—20

Performance Requirements for Water-temperature-limiting Devices

P2713.3, P2721.2, ~~P2724.1~~

ASTM

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A36/A36M—14

Specification for Carbon Structural Steel

R608.5.2.2

A53/A53M—2018

Specification for Pipe, Steel, Black and Hot-dipped, Zinc-coated Welded and Seamless

R407.3, Table M2101.1, Table M2202.3, G2414.4.2, Table P2906.4, Table P2906.5, Table P3002.1(1)

A74—2017

Specification for Cast-iron Soil Pipe and Fittings

Table P3002.1(1), Table P3002.1(2), Table P3002.2, Table P3002.3, P3005.2.6, ~~Table P3302.1~~

A106/A106M—2018

Specification for Seamless Carbon Steel Pipe for High-temperature Service

Table M2101.1, Table M2202.3, G2414.4.2

A123/A123M—2017

Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products

~~Table 507.2.3~~R4606.1, Table 4703.3

A126—04(2014)

Gray Iron Castings for Valves, Flanges and Pipe Fittings

Table P2903.9.4

A153/A153M—2016A

Specification for Zinc Coating (Hot Dip) on Iron and Steel Hardware

R317.3, ~~Table 507.2.3~~, Table R606.3.4.1, R703.6.3, R905.7.5, R905.8.6, R4606.1, R4703.1, Table 4703.3, Table 4711.3, Table 4711.4

A167—99(2009)

Specification for Stainless and Heat-resisting Chromium-nickel Steel Plate, Sheet and Strip

Table R606.3.4.1

A240/A240M—17

Standard Specification for Chromium and Chromium-nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications

Table R905.10.3(1)

A254—2010(2018)

Specification for Copper Brazed Steel Tubing

Table M2101.1, Table M2202.3, G2414.5.1

A268/A268M—2010(16)

Standard Specification for Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service
~~G2414.5.2~~

A269/A269M—2015A

Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service
~~G2414.5.2~~

A307—2014E1

Specification for Carbon Steel Bolts and Studs, 60,000 psi Tensile Strength
~~Table R507.2.3, R608.5.2.2, Table 4703.3~~

ASTM—continued

A312—2018

Specification for Seamless, Welded and Heavily Cold Worked Austenitic Stainless Steel Pipes

Table P2906.4, Table P2906.5, Table P2906.6, P2906.13.2

A463/A463M—15

Standard Specification for Steel Sheet, Aluminum-coated by the Hot-dip Process

Table R905.10.3(2)

A539—99

Specification for Electric-resistance-welded Coiled Steel Tubing for Gas and Fuel Oil Lines

~~M2202.4~~ Table M2202.3

A563—15

Standard Specification for Carbon and Alloy Steel Nuts

~~Table R507.2.3~~ Table 4703.3

A615/A615M—2015aE1

Specification for Deformed and Plain Carbon-steel Bars for Concrete Reinforcement

R402.3.1, ~~R403.1.3.5.1~~, R404.1.3.3.7.1, R608.5.2.1

A641/A641M—09a(2014)

Specification for Zinc-coated (Galvanized) Carbon Steel Wire

Table R606.3.4.1

A653—2017

Specification for Steel Sheet, Zinc-coated (Galvanized) or Zinc-iron Alloy-coated (Galvannealed) by the Hot-dip Process

R317.3.1, ~~R505.2.2~~, ~~Table R507.2.3~~, ~~R603.2.2~~, Table R606.3.4.1, R608.5.2.3, ~~R804.2.2~~, ~~R804.2.3~~,
Table R905.10.3(1), Table R905.10.3(2), M1601.1.1, Table R4606.1, R4703.2, Table 4703.3

A706M—2016

Specification for Low-alloy Steel Deformed and Plain Bars for Concrete Reinforcement

R402.3.1, ~~R403.1.3.5.1~~, R404.1.3.3.7.1, R608.5.2.1

A755M—2016E1

Specification for Steel Sheet, Metallic Coated by the Hot-dip Process and Prepainted by the Coil-coating Process for Exterior Exposed Building Products

Table R905.10.3(2)

A778M—2016

Specification for Welded Unannealed Austenitic Stainless Steel Tubular Products

Table P2906.4, Table P2906.5, Table P2906.6

A792/A792M—10(2015)

Specification for Steel Sheet, 55% Aluminum-zinc Alloy-coated by the Hot-dip Process

~~R505.2.2~~, ~~R603.2.2~~, R608.5.2.3, ~~R804.2.2~~, Table 905.10.3(2)

A875/A875M—13

Specification for Steel Sheet, Zinc-5%, Aluminum Alloy-coated by the Hot-dip Process

R608.5.2.3, Table R905.10.3(2)

A888—2018

Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Application

Table P3002.1(1), Table P3002.1(2), Table P3002.2, Table P3002.3, ~~Table P3302.1~~

A924M—2017A

Standard Specification for General Requirements for Steel Sheet, Metallic-coated by the Hot-dip Process

Table R905.10.3(1)

A996M—2016

Specifications for Rail-steel and Axle-steel Deformed Bars for Concrete Reinforcement

R402.3.1, ~~R403.1.3.5.1~~, Table R404.1.2(9), R404.1.3.3.7.1, R608.5.2.1, Table R608.5.4(2)

A1003/A1003M—15

Standard Specification for Steel Sheet, Carbon, Metallic and Nonmetallic-coated for Cold-formed Framing Members

~~R505.2.1~~, ~~R505.2.2~~, ~~R603.2.1~~, ~~R603.2.2~~, ~~R804.2.1~~, ~~R804.2.2~~

B32—08(2014)

Specification for Solder Metal

M2102.1.3, P3003.6.3

B42—2015A

Specification for Seamless Copper Pipe, Standard Sizes

Table M2101.1, Table M2202.3, Table P2906.4, Table P2906.5, Table P3002.1(1)

B43—15

Specification for Seamless Red Brass Pipe, Standard Sizes

Table M2101.1, Table M2202.3, Table P2906.4, Table P2906.5, Table P3002.1(1)

B75/B75M—11

Specification for Seamless Copper Tube

Table M2101.1, Table M2202.3, Table P2906.4, Table P2906.5, Table P3002.1(1), Table P3002.1(2), Table P3002.2

B88—2016

Specification for Seamless Copper Water Tube

Table M2101.1, Table M2202.3, G2414.5.2, Table P2906.4, Table P2906.5, Table P3002.1(1), Table P3002.1(2), Table P3002.2

B101—12

Specification for Lead-coated Copper Sheet and Strip for Building Construction

Table R905.2.8.2, Table R905.10.3(1)

B135M—2017

Specification for Seamless Brass Tube

Table M2101.1

ASTM—continued

B152/B152M—13

Specification for Copper Sheet, Strip Plate and Rolled Bar

P2609.2.2, P2709.2, P3101.7

B209—14

Specification for Aluminum and Aluminum-alloy Sheet and Plate

Table 905.10.3(1)

B251/B251M—2017

Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube

Table M2101.1, Table P2906.4, Table P2906.5, Table P3002.1(1), Table P3002.1(2), Table P3002.2

B280—13:

Standard Specification for Seamless Copper Tube for Air-Conditioning and Refrigeration Field Service

Table M2202.3, G2414.5.2, ~~G2414.4.3~~

B302—2017

Specification for Threadless Copper Pipe, Standard Sizes

Table M2101.1, Table M2202.3, Table P2906.4, Table P2906.5, Table P3002.1(1)

B306—13

Specification for Copper Drainage Tube (DWV)

Table M2101.1, Table P3002.1(1), Table P3002.1(2)

B370—12

Specification for Copper Sheet and Strip for Building Construction

Table R905.2.8.2, Table R905.10.3(1), Table P2701.1

B447—12a

Specification for Welded Copper Tube

Table P2906.4, Table P2906.5

B695—2004(2016)

Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel

R317.3.1, R317.3.3, ~~Table R507.2.3~~R4703.2, Table 4703.3

B813—2016

Specification for Liquid and Paste Fluxes for Soldering Applications of Copper and Copper Alloy Tube

~~Table M2101.1, M2102.1.3, M2103.3~~, P2906.15, P3003.6.3

B828—2016

Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings

~~M2103.3~~, P2906.15, P3003.6.3

C4—2004(2018)

Specification for Clay Drain Tile and Perforated Clay Drain Tile

~~Table P3302.1~~

C5—2018

Specification for Quicklime for Structural Purposes

R702.2.1

C14—15a

Specification for Non-reinforced Concrete Sewer, Storm Drain and Culvert Pipe

Table P3002.2

C22/C22M—2015

Specification for Gypsum

R702.2.1, R702.3.1

C27—1998(2018)

Specification for Standard Classification of Fireclay and High-alumina Refractory Brick

R1001.5

C28/C28M—10(2015)

Specification for Gypsum Plasters

R702.2.1

C33/C33M—2018

Specification for Concrete Aggregates

R403.4.1

C34—2017

Specification for Structural Clay Load-bearing Wall Tile

Table R301.2(+), R606.2.2

C35/C35M—01(2014)

Specification for Inorganic Aggregates for Use in Gypsum Plaster

R702.2.1

C55—2017

Specification for Concrete Building Brick

R202, Table R301.2(+), R606.2.1

C56—2013(2017)

Standard Specification for Structural Clay Nonloadbearing Tile

R606.2.2

C59/C59M—00(2015)

Specification for Gypsum Casting Plaster and Molding Plaster

R702.2.1

C61/C61M—00(2015)

Specification for Gypsum Keene's Cement

R702.2.1

C62—2017

Standard Specification for Building Brick (Solid Masonry Units Made from Clay or Shale)

R202, Table R301.2(+), R606.2.2

C73—2017

Specification for Calcium Silicate Face Brick (Sand Lime Brick)

R202, Table R301.2(+), R606.2.1

C76—2018A

Specification for Reinforced Concrete Culvert, Storm Drain and Sewer Pipe

Table P3002.2

ASTM—continued

C90—2016A

Specification for Load-bearing Concrete Masonry Units

Table R301.2(+), 606.2.1

C91M—2018

Specification for Masonry Cement

R702.2.2, R703.7.2

C94/C94M—2017A

Standard Specification for Ready-mixed Concrete

R404.1.3.3.2, R608.5.1.2

C126—2017

Standard Specification for Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units

R606.2.2

C129—2017

Specification for Nonload-bearing Concrete Masonry Units

Table R301.2(+)

C143/C143M—15A

Test Method for Slump of Hydraulic Cement Concrete

R404.1.3.3.4, R608.5.1.4

C145—85

Specification for Solid Load-bearing Concrete Masonry Units

R202, Table R301.2(+)

C150/C150M—2018

Specification for Portland Cement

R608.5.1.1, R702.7.2, R703.7.2

C177—2019

Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus

P2603.5, P3001.2

C199—1984(2016)

Test Method for Pier Test for Refractory Mortar

R1001.5, R1001.8, R1003.12

C207—2018

Specification for Hydrated Lime for Masonry Purposes

R606.2.8, Table R606.2.8

C208—2012(2017)E1

Specification for Cellulosic Fiber Insulating Board

R602.1.10, Table R602.3(1), Table R906.2

C212—2017

Standard Specification for Structural Clay Facing Tile

R606.2.2

C216—2017A

Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale)

R202, Table R301.2(+), R606.2.2

C270—14A

Specification for Mortar for Unit Masonry

R606.2.8, Table R606.2.8, R606.2.11

C315—2007(2016)

Specification for Clay Flue Liners and Chimney Pots

R1001.8, R1003.11.1, Table R1003.14(1), Table M1803.3.5, G2425.12

C406/C406M—2015

Specifications for Roofing Slate

R905.6.4

C411—2017

Test Method for Hot-surface Performance of High-temperature Thermal Insulation

M1601.3

C425—2004(2018)

Specification for Compression Joints for Vitrified Clay Pipe and Fittings

Table P3002.2, P3003.10, P3003.13

C443—2012(2017)

Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets

P3003.5, P3003.13

C475M—2017

Specification for Joint Compound and Joint Tape for Finishing Gypsum Wallboard

R702.3.1

C476—2018

Specification for Grout for Masonry

R606.2.12

C503M—2015

Standard Specification for Marble Dimension Stone

R606.2.4

C514—04(2014)

Specification for Nails for the Application of Gypsum Wallboard

R702.3.1

C552—2017E1

Standard Specification for Cellular Glass Thermal Insulation

Table R906.2

C557—2003(2017)

Specification for Adhesives for Fastening Gypsum Wallboard to Wood Framing

R702.3.1.1, R702.3.1.1

C564—14

Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings

P3003.4.2, P3003.4.3, P3003.13

ASTM—continued

C568M—2015

Standard Specification for Limestone Dimension Stone

R606.2.4

C578—2018

Specification for Rigid, Cellular Polystyrene Thermal Insulation

R316.8, ~~R403.3~~, Table 703.8.4(2), Table R703.15.1, Table R703.15.2, ~~Table R703.16.1~~,
~~Table R703.16.2~~, Table R906.2

C587—2004(2018)

Specification for Gypsum Veneer Plaster

R702.2.1

C595/C595M—2018

Specification for Blended Hydraulic Cements

R608.5.1.1, R702.2.2, R703.7.2

C615/C615M—2018E1

Standard Specification for Granite Dimension Stone

R606.2.4

C616/C616M—2015

Standard Specification for Quartz-based Dimension Stone

R606.2.4

C629/C629M—2015

Standard Specification for Slate Dimension Stone

R606.2.4

C631—09(2014)

Specification for Bonding Compounds for Interior Gypsum Plastering

R702.2.1

C645—2018

Specification for Nonstructural Steel Framing Members

~~R702.3.3~~

C652—2017A

Specification for Hollow Brick (Hollow Masonry Units Made from Clay or Shale)

~~R202~~, Table R301.2(4), R606.2.2

C685/C685M—2017

Specification for Concrete Made by Volumetric Batching and Continuous Mixing

R404.1.3.3.2, R608.5.1.2

C700—2018

Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength and Perforated

Table P3002.2, Table P3002.3, ~~Table P3302.4~~

C726—2017

Standard Specification for Mineral Wool Roof Insulation Board

Table R906.2

C728—2017A

Standard Specification for Perlite Thermal Insulation Board

Table R906.2

C744—2016

Standard Specification for Prefaced Concrete and Calcium Silicate Masonry Units

R606.2.1

C836/C836M—2018

Specification for High Solids Content, Cold Liquid-applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course

R905.15.2

C841—2003(2018)

Standard Specification for Installation of Interior Lathing and Furring

R702.2.1

C842—05(2015)

Standard Specification for Application of Interior Gypsum Plaster

R702.2.1

C843—2017

Specification for Application of Gypsum Veneer Plaster

R702.2.1

C844—2015

Specification for Application of Gypsum Base to Receive Gypsum Veneer Plaster

R702.2.1

C847—2018

Specification for Metal Lath

R702.2.1, R702.2.2

C887—13

Specification for Packaged, Dry, Combined Materials for Surface Bonding Mortar

R406.1, R606.2.9

C897—15

Specification for Aggregate for Job-mixed Portland Cement-based Plasters

R702.2.2

C920—2018

Standard Specification for Elastomeric Joint Sealants

R406.4.1

C926—2018B

Specification for Application of Portland Cement-based Plaster

R702.2.2, R702.2.2.1, R703.7, R703.7.2, R703.7.2.1, R703.7.4

ASTM—continued

C933—2018

Specification for Welded Wire Lath
R702.2.1, R702.2.2

C946—2018

Standard Practice for Construction of Dry-Stacked, Surface-Bonded Walls
R606.2.9

C954—2018

Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 in (0.84 mm) or to 0.112 in. (2.84 mm) in Thickness
~~R505.2.5, R603.2.5, R702.3.5.1, R804.2.5~~

C957/C957M—2017

Specification for High-solids Content, Cold Liquid-applied Elastomeric Waterproofing Membrane for Use with Integral Wearing Surface
R905.15.2

C1002—2018

Specification for Steel Self-piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs
R702.3.1, R702.3.5.1

C1029—15

Specification for Spray-applied Rigid Cellular Polyurethane Thermal Insulation
R905.14.2

C1032—2018

Specification for Woven Wire Plaster Base
R702.2.1, R702.2.2

C1047—14a

Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base
R702.2.1, R702.2.2, R702.3.1

C1063—2018B

Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-based Plaster
R702.2.2, R703.7, R703.7.1, R703.7.1.1

C1088—2018

Standard Specification for Thin Veneer Brick Units Made from Clay or Shale
R606.2.2

C1107/C1107M—2017

Standard Specification for Packaged Dry, Hydraulic-cement Grout (Nonshrink)
R402.3.1

C1116/C116M—10(2015)

Standard Specification for Fiber-reinforced Concrete and Shotcrete
R402.3.1

C1157—11/C1157M—2017

Standard Performance Specification for Hydraulic Cement
R608.5.1.1, R703.7.2

C1167—2011(2017)

Specification for Clay Roof Tiles

R905.3.4

C1173—2018

Specification for Flexible Transition Couplings for Underground Piping Systems

P3003.3.1, P3003.5, P3003.9.1, P3003.10, P3003.12.2, P3003.13

C1177/C1177M—2017

Specification for Glass Mat Gypsum Substrate for Use as Sheathing

R702.3.1, Table 906.2

C1178/C1178M—2018

Specification for Glass Mat Water-resistant Gypsum Backing Panel

R702.3.1, R702.3.7, Table R702.4.2

C1186—2008(2016)

Specification for Flat Fiber Cement Sheets

R703.10.1, R703.10.2, R704.2.2

C1261—2013(2017)E1

Specification for Firebox Brick for Residential Fireplaces

R1001.5, R1001.8

C1277—2018

Specification for Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings

P3003.4.3

C1278/C1278M—2017

Specification for Fiber-reinforced Gypsum Panels

R702.3.1, R702.3.7, Table R702.4.2, Table R906.2

C1280—13a

Standard Specification for Application of Exterior Gypsum Panel Products for Use as Sheathing

Table R602.3(1)

C1283—2015

Practice for Installing Clay Flue Lining

R1003.9.1, R1003.12

C1288—2017

Standard Specification for Discrete Nonasbestos Fiber-cement Interior Substrate Sheets

Table R503.2.1.1(1), Table R503.2.1.1(2), Table 602.3(2), Table R702.4.2

ASTM—continued

C1289—2018

Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board

R316.8, Table R703.8.4(2), Table R703.15.1, Table R703.15.2, Table R703.16.1, Table R703.16.2,
Table R906.2

C1325—2018

Standard Specification for Nonasbestos Fiber-mat Reinforced Cement Interior Substrate Sheets Backer Units

Table R702.4.2

C1328/C1328M—12

Specification for Plastic (Stucco) Cement

R702.2.2, R703.7.2

C1363—11

The Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus

N1101.10.4.1

C1364—2017

Standard Specification for Architectural Cast Stone

R606.2.5

C1396/C1396M—2017

Specification for Gypsum Board

Table R602.3(1), R702.2.1, R702.2.2, R702.3.1, R702.3.7

C1405—2016

Standard Specification for Glazed Brick (Single Fired, Brick Units)

R606.2.2

C1440—2017

Specification for Thermoplastic Elastomeric (TPE) Gasket Materials for Drain, Waste and Vent (DWV), Sewer, Sanitary and Storm Plumbing Systems

P3003.13

C1460—2017

Specification for Shielded Transition Couplings for Use with Dissimilar DWV Pipe and Fittings Above Ground

P3003.13

C1461—2008(2017)

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

P3003.13

C1492—2003(2016)

Specification for Concrete Roof Tile

R905.3.5

C1513—2018

Standard Specification for Steel Tapping Screws for Cold-formed Steel Framing Connections

~~R505.2.5, R603.2.5, R702.3.5.1, Table R703.3(2), Table R703.16.1, Table R703.16.2, R804.2.5~~

C1540—2018

Specification for Heavy Duty Shielded Couplings Joining Hubless Cast-iron Soil Pipe and Fittings

P3003.4.3

C1634—2017

Standard Specification for Concrete Facing Brick

R606.2.1

C1658/C1658M—2018

Standard Specification for Glass Mat Gypsum Panels

R702.3.1

C1668—13a

Standard Specification for Externally Applied Reflective Insulation Systems on Rigid Duct in Heating, Ventilation, and Air Conditioning (HVAC) Systems

M1601.3

C1670/1670M—2018

Standard Specification for Adhered Manufactured Stone Masonry Veneer Units

R606.2.6

C1691—2011(2017)

Standard Specification for Unreinforced Autoclaved Aerated Concrete (AAC) Masonry Units

R606.2.3

C1693—2011(2017)

Standard Specification for Autoclaved Aerated Concrete (AAC)

R606.2.3

C1766—2015

Standard Specification for Factory-Laminated Gypsum Panel Products

R702.3.1

D41/D41M—2011(2016)

Specification for Asphalt Primer Used in Roofing, Dampproofing and Waterproofing

Table R905.9.2, Table R905.11.2

D43/D43M—2000(2018)

Specification for Coal Tar Primer Used in Roofing, Dampproofing and Waterproofing

Table R905.9.2

D226/D226M—2017

Specification for Asphalt-saturated (Organic Felt) Used in Roofing and Waterproofing

R703.2, R905.1.1, Table R905.1.1(1), R905.8.4, ~~Table R905.9.2~~

D227/D227M—2003(2018)

Specification for Coal Tar Saturated (Organic Felt) Used in Roofing and Waterproofing

Table R905.9.2

ASTM—continued

D312/D312M—2016M

Specification for Asphalt Used in Roofing

Table R905.9.2

D422—63(2007)E2

Test Method for Particle-size Analysis of Soils

~~R403.1.8.1~~

D449/D449M—03(2014)E1

Specification for Asphalt Used in Dampproofing and Waterproofing

R406.2

D450/D450M—2017(2018)

Specification for Coal-tar Pitch Used in Roofing, Dampproofing and Waterproofing

Table R905.9.2

D1227—13

Specification for Emulsified Asphalt Used as a Protective Coating for Roofing

Table R905.9.2, Table R905.11.2, R905.15.2

D1248—2016

Specification for Polyethylene Plastics Extrusion Materials for Wire and Cable

M1601.1.2

D1527—99(2005)

Specification for Acrylonitrile-butadiene-styrene (ABS) Plastic Pipe, Schedules 40 and 80

Table M2101.1, Table P2906.4

D1693—15

Test Method for Environmental Stress-cracking of Ethylene Plastics

~~Table M2101.1~~

D1784—11

Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds

M1601.1.2

D1785—15E1

Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80 and 120

Table M2105.4, Table P2906.4

D1863/D1863M—2005(2018)

Specification for Mineral Aggregate Used in Built-up Roofs

Table R905.9.2

D1869—15

Specification for Rubber Rings for Fiber-Reinforced Cement Pipe

P2906.18, P3003.13

D1970/D1970M—2017A

Specification for Self-adhering Polymer Modified Bitumen Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection

R905.1.1, R905.2.8.2, R905.11.2.1

D2104—03

Specification for Polyethylene (PE) Plastic Pipe, Schedule 40

Table P2906.4

D2178/D2178M—15A

Specification for Asphalt Glass Felt Used in Roofing and Waterproofing

Table R905.9.2

D2235—2004(2016)

Specification for Solvent Cement for Acrylonitrile-butadiene-styrene (ABS) Plastic Pipe and Fittings

M2102.1.4, P2906.9.1.1, P3003.3.2

D2239—12A

Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter

Table P2906.4

D2241—15

Specification for Poly (Vinyl Chloride) (PVC) Pressure-rated Pipe (SDR-Series)

Table M2105.4, Table P2906.4

D2282—99(2005)

Specification for Acrylonitrile-butadiene-styrene (ABS) Plastic Pipe (SDR-PR)

Table P2906.4

D2412—2011(2018)

Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-plate Loading

M1601.1.2

D2447—03

Specification for Polyethylene (PE) Plastic Pipe Schedules 40 and 80, Based on Outside Diameter

Table M2101.1

D2464—15

Specification for Threaded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80

Table M2105.5, Table P2906.6

D2466—20

17

Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40

Table M2105.5, Table P2906.6

D2467—15

Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80

Table M2105.5, Table P2906.6

D2468—96a

Specification for Acrylonitrile-butadiene-styrene (ABS) Plastic Pipe Fittings, Schedule 40

Table P2906.6

ASTM—continued

D2513—2018A

Specification for Gas Pressure Pipe, Tubing and Fittings

Table M2401.1, G2414.6, G2414.6.1, G2414.11, G2415.17.2

D2564—2012(2018)

Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems

M2102.1.4, P2906.9.1.4, P3003.9.2

D2609—15

Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe

Table P2906.6

D2626/D2626M—04 (2012)e1

Specification for Asphalt-saturated and Coated Organic Felt Base Sheet Used in Roofing

Table R905.1.1(1), Table R905.9.2

D2657—2007(2015)

Standard Practice for Heat Fusion-joining of Polyolefin Pipe Fittings

M2105.11.1, P2906.3.1, P2906.20.2, P2906.22.2, P3003.12.1

D2661—14E1

Specification for Acrylonitrile-butadiene-styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings

Table P3002.1(1), Table P3002.1(2), Table P3002.2, Table P3002.3, P3003.3.2

D2665—14

Specification for Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste and Vent Pipe and Fittings

Table P3002.1(1), Table P3002.1(2), Table P3002.2, Table P3002.3

D2672—14

Specification for Joints for IPS PVC Pipe Using Solvent Cement

Table P2906.4

D2680—01(2014)

Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) and Poly(Vinyl Chloride) (PVC) Composite Sewer Piping

Table P3002.1(1) ~~Table P3002.2~~

D2683—14

Specification for Socket-type Polyethylene Fittings for Outside Diameter-controlled Polyethylene Pipe and Tubing

Table M2105.5, M2105.11.1, Table P2906.6, P2906.20.2, Table P3002.3, P3010.56

D2729—2017

Specification for Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings

~~P3009.11, Table P3302.1~~

D2737—2012A

Specification for Polyethylene (PE) Plastic Tubing

Table M2105.4, Table P2906.4

D2751—05

Specification for Acrylonitrile-butadiene-styrene (ABS) Sewer Pipe and Fittings

Table P3002.2, Table P3002.3

D2822/D2822M—2005(2011)

Specification for Asphalt Roof Cement, Asbestos Containing

Table R905.9.2

D2823/D2823M—05(2011)e1

Specification for Asphalt Roof Coatings, Asbestos Containing

Table R905.9.2

D2824/D2824M—2018

Specification for Aluminum-pigmented Asphalt Roof Coatings, Nonfibered, Asbestos Fibered and Fibered without Asbestos

Table R905.9.2, Table R905.11.2

D2846/D2846M—2017BE1

Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-water Distribution Systems

Table M2101.1, M2102.1.4, Table M2105.4, Table M2105.5, Table P2906.4, Table P2906.5, Table P2906.6, P2906.9.1.2, P2906.9.1.3

D2855—2015

Standard Practice for Making Solvent-cemented Joints with Poly (Vinyl Chloride) (PVC) Pipe and Fittings

P3003.9.2

D2898—2010(2017)

Test Methods for Accelerated Weathering of Fire-retardant-treated Wood for Fire Testing

R802.1.5.4, R802.1.5.8

D2949—10

Specification for 3.25-in. Outside Diameter Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste and Vent Pipe and Fittings

Table P3002.1(1), Table P3002.1(2), Table P3002.2, Table P3002.3

D2996—2017

Specification for Filament-wound Fiberglass (Glass Fiber Reinforced Thermosetting Resin) Pipe

Table M2202.3

D3019/D3019—2017

Specification for Lap Cement Used with Asphalt Roll Roofing, Nonfibered, Asbestos Fibered and Nonasbestos Fibered

Table R905.9.2, Table R905.11.2

D3034—2016

Specification for Type PSM Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings

Table P3002.2, Table P3002.3

D3035—15

Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter

Table M2105.4

ASTM—continued

D3138—04(2016)

Standard Specification for Solvent Cements for Transition Joints Between Acrylonitrile-Butadiene-Styrene (ABS) and Poly (Vinyl Chloride) (PVC) Non-Pressure Piping Components
~~P3003.13.4~~

D3161/D3161M—2016A

Test Method for Wind-Resistance of Steep Slope Roofing Products (Fan Induced Method)
R905.2.4.1, Table R905.2.4.1, R905.4.4.1, R905.4.4.1 ~~R905.16.6~~

D3201/D3201M—2013

Test Method for Hygroscopic Properties of Fire-retardant Wood and Wood-base Products
R802.1.5.9

D3212—07(2013)

Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals
P3003.3.1, P3003.9.1, P3003.12.2

D3261—2016

Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing
~~Table M2101.1~~, Table M2105.5, M2105.11.1, ~~M2105.13.3~~, Table P2906.6, P2906.20.2

D3309—96a(2002)

Specification for Polybutylene (PB) Plastic Hot- and Cold-water Distribution System
Table M2101.1, M2102.8.1, P2906.22.2

D3311—2017

Specification for Drain, Waste and Vent (DWV) Plastic Fittings Patterns
P3002.3

D3350—14

Specification for Polyethylene Plastic Pipe and Fitting Materials
~~Table M2101.1~~

D3462/D3462M—2016

Specification for Asphalt Shingles Made from Glass Felt and Surfaced with Mineral Granules
R905.2.4

D3468/D3468M—99(2013)E1

Specification for Liquid-applied Neoprene and Chlorosulfanated Polyethylene Used in Roofing and Waterproofing
R905.15.2

D3679—2017

Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding
R703.11

D3737—2018E1

Practice for Establishing Allowable Properties for Structural Glued Laminated Timber (Glulam)
R502.1.3, R602.1.3, R802.1.2

D3747—79(2007)

Specification for Emulsified Asphalt Adhesive for Adhering Roof Insulation
Table R905.9.2, Table R905.11.2

D3909/D3909M—14

Specification for Asphalt Roll Roofing (Glass Felt) Surfaced with Mineral Granules
R905.2.8.2, R905.5.4, Table R905.9.2

D4022/D4022M—2007(2012)e1

Specification for Coal Tar Roof Cement, Asbestos Containing

Table R905.9.2

D4068—2017

Specification for Chlorinated Polyethylene (CPE) Sheeting for Concealed Water Containment Membrane

P2709.2, P2709.2.2

D4318—2017E1

Test Methods for Liquid Limit, Plastic Limit and Plasticity Index of Soils

~~R403.1.8.1~~

D4434/D4434M—2015

Specification for Poly (Vinyl Chloride) Sheet Roofing

R905.13.2

D4479/D4479M—2007(2018)

Specification for Asphalt Roof Coatings—asbestos-free

Table R905.9.2

D4551—2017

Specification for Poly (Vinyl Chloride) (PVC) Plastic Flexible Concealed Water-containment Membrane

P2709.2, P2709.2.1

D4586/D4586M—2007(2018)

Specification for Asphalt Roof Cement—asbestos-free

Table R905.9.2

D4601/D4601M—04(2012)e1

Specification for Asphalt-coated Glass Fiber Base Sheet Used in Roofing

Table R905.9.2, R905.11.2.1

D4637/D4637M—2015

Specification for EPDM Sheet Used in Single-ply Roof Membrane

R905.12.2

D4829—11

Test Method for Expansion Index of Soils

~~R403.1.8.1~~

D4869/D4869M—2016A

Specification for Asphalt-saturated (Organic Felt) Underlayment Used in Steep Slope Roofing

R905.1.1, Table R905.1.1(1)

ASTM—continued

D4897/D4897M—2016

Specification for Asphalt Coated Glass-fiber Venting Base Sheet Used in Roofing

Table R905.9.2

D4990—1997a(2013)

Specification for Coal Tar Glass Felt Used in Roofing and Waterproofing

Table R905.9.2

D5019—07a

Specification for Reinforced Nonvulcanized Polymeric Sheet Used in Roofing Membrane

R905.12.2

D5055—2016

Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-joists

R502.1.2, R802.1.8

D5456—2018

Standard Specification for Evaluation of Structural Composite Lumber Products

R502.1.5, R602.1.5, R802.1.4

D5516—2018

Test Method for Evaluating the Flexural Properties of Fire-retardant-treated Softwood Plywood Exposed to the Elevated Temperatures

R802.1.5.6

D5643/D5643M—2006(2018)

Specification for Coal Tar Roof Cement Asbestos-free

Table R905.9.2

D5664—2017

Test Methods for Evaluating the Effects of Fire-retardant Treatments and Elevated Temperatures on Strength Properties of Fire-retardant-treated Lumber

R802.1.5.7

D5665/D5665M—99a(2014)E1

Specification for Thermoplastic Fabrics Used in Cold-applied Roofing and Waterproofing

Table R905.9.2

D5726—98(2013)

Specification for Thermoplastic Fabrics Used in Hot-applied Roofing and Waterproofing

Table R905.9.2

D6083/D6083M—2018

Specification for Liquid-applied Acrylic Coating Used in Roofing

Table R905.9.2, Table R905.11.2, Table R905.14.3, R905.15.2

D6162/D6162M—2016

Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements

Table R905.11.2

D6163/D6163M—2016

Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Glass Fiber Reinforcements

Table R905.11.2

D6164/D6164M—2016

Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Polyester Reinforcements

Table R905.11.2

D6222/D6222M—2016

Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using Polyester Reinforcements

Table R905.11.2

D6223/D6223M—2016

Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcement

Table R905.11.2

D6298—2016

Specification for Fiberglass-reinforced Styrene Butadiene Styrene (SBS) Modified Bituminous Sheets with a Factory Applied Metal Surface

Table R905.11.2

D6305—08(2015)E1

Practice for Calculating Bending Strength Design Adjustment Factors for Fire-retardant-treated Plywood Roof Sheathing

R802.1.5.6

D6380/D6380—2003(2018)

Standard Specification for Asphalt Roll Roofing (Organic Felt)

Table R905.1.1(1), R905.2.8.2, R905.5.4

D6464—2003A(2017)

Standard Specification for Expandable Foam Adhesives for Fastening Gypsum Wallboard to Wood Framing

R702.3.1.1

D6694/D6694M—2015

Standard Specification for Liquid-applied Silicone Coating Used in Spray Polyurethane Foam Roofing Systems

Table R905.14.3, R905.15.2

D6754/D6754M—2015

Standard Specification for Ketone-ethylene-ester-based Sheet Roofing

R905.13.2

ASTM—continued

D6757/D6757M—2018

Specification for Underlayment Felt Containing Inorganic Fibers Used with Steep Slope Roofing
R905.1.1, Table R905.1.1(1)

D6841—2016

Standard Practice for Calculating Design Value Treatment Adjustment Factors for Fire-retardant-treated Lumber
R802.1.5.7

D6878/D6878M—2017

Standard Specification for Thermoplastic-polyolefin-based Sheet Roofing
R905.13.2

D6947/D6947M—2016

Standard Specification for Liquid Applied Moisture Cured Polyurethane Coating Used in Spray Polyurethane Foam Roofing System
Table R905.14.3, R905.15.2

D7032—2017

Standard Specification for Establishing Performance Ratings for Wood-plastic Composite Deck Boards and Guardrail Systems (Guards or Handrails)
R311.7.5.4, R311.7.8.6, R317.4, R507.2.2, R507.2.2.1, 507.2.2.3, 507.2.2.4R4702.2

D7158—D7158M—2019

Standard Test Method for Wind Resistance of Asphalt Shingles (Uplift Force/Uplift Resistance Method)
R905.2.4.1, Table R905.2.4.1

D7254—2017

Standard Specification for Polypropylene (PP) siding
Table R703.3(1), R703.14

D7425/D7425M—13

Standard Specification for Spray Polyurethane Foam Used for Roofing Application
R905.14.2

D7672—2014E1

Standard Specification for Evaluating Structural Capacities of Rim Board Products and Assemblies
R502.1.7, R602.1.7, R802.1.7

D7793—2017

Standard Specification for Insulated Vinyl Siding
Table R703.3(1), R703.13

E84—2018B

Standard Test Method for Surface Burning Characteristics of Building Materials
R202, R302.1.2, R302.9.3, R302.9.4, R302.10.1, R302.10.2, R316.3.1, R316.3.2, R316.5.9, R316.5.11, R409.8.2, R507.2.2.2, R703.14.3, R802.1.5, M1601.3, M1601.5.2, P2801.6

E90—09(2016)

Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements

E96/E96M—2016

Test Method for Water Vapor Transmission of Materials
R202, Table R702.7(2), ~~Table~~ R806.5, M1411.6, M1601.4.6

E108—2017

Test Methods for Fire Tests of Roof Coverings

R302.2.4, R902.1

E119—2018B

Test Methods for Fire Tests of Building Construction and Materials

Table R302.1(1), ~~Table R302.1(2)~~, R302.2.1, R302.2.2, R302.3, R302.4.1, R302.11.1, R606.2.2

E136—2019

Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750°C

R202, R302.11

E283—2004(2012)

Test Method for Determining the Rate of Air Leakage through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences across the Specimen

R202, N1102.4.5~~6~~

E330/E330M—14

Test Method for Structural Performance of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference

R609.4, R609.5, R609.6.2, R703.1.2, Table R4502(f)

E331—2000(2016)

Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference

R703.1.1

E336—2020

Standard Test Method for Measurement of Airborne Sound Attenuation between Rooms in Buildings

E492—09(2016)e1

Standard Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine

E779—2010(2018)

Standard Test Method for Determining Air Leakage Rate by Fan Pressurization

N1102.4.4~~2~~.2

E814—2013A(2017)

Standard Test Method for Fire Tests of Penetration Firestop Systems

R302.4.1.2

E970—2017

Standard Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source

R302.10.5

E1007—2021

Standard Test Method for Field Measurement of Tapping Machine Impact Sound Transmission Through Floor-Ceiling Assemblies and Associated Support Structures

E1509—2012(2017)

Standard Specification for Room Heaters, Pellet Fuel-burning Type

M1410.1

ASTM—continued

E1554/E1554 M—13(2018):

Standard Test Methods for Determining Air Leakage of Air Distribution Systems by Fan Pressurization

N1103.3.53

E1602—2003(20117)

Guide for Construction of Solid Fuel Burning Masonry Heaters

R1002.2

E1745—17

Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs

R506.2.3

E1827—2011(2017)

Standard Test Methods for Determining Airtightness of Building Using an Orifice Blower Door

N1102.4.42.2

E1886—2013A

Test Method for Performance Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials

R301.2.1.2, R609.6.1, R609.6.2, Table R703.11.2

E1996—2017

Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes

R301.2.1.2, R301.2.1.2.1, R609.6.1, R609.6.2

E2178—2013

Standard Test Method for Air Permeance of Building Materials

R202

E2231—2018

Standard Practice for Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics

M1601.3

E2273—2018

Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies

R703.7.3.2, R703.9.2

E2556/E2556M—2010(2016)

Standard Specification for Vapor Permeable Flexible Sheet Water-Resistive Barriers Intended for Mechanical Attachment

R703.2, R703.7.3.1

E2568—2017A

Standard Specification for PB Exterior Insulation and Finish Systems

R703.2, ~~R703.9.1~~, R703.9.2

E2570/E2570M—07(2014)E1

Standard Test Methods for Evaluating Water-resistive Barrier (WRB) Coatings Used Under Exterior Insulation and Finish Systems (EIFS) or EIFS with Drainage

R703.9.2

E2634—2018

Standard Specification for Flat Wall Insulating Concrete Form (ICF) Systems

R404.1.3.3.6.1, R608.4.4

E2925—17:

Standard Specification for Manufactured Polymeric Drainage and Ventilation Materials Used to Provide a Rainscreen Function
R703.7.3.2

F405—05

Specification for Corrugated Polyethylene (PE) Pipe and Fittings
Table P3009.11, Table P3302.1

F409—2017

Specification for Thermoplastic Accessible and Replaceable Plastic Tube and Tubular Fittings
Table P2701.1, P2702.2, P2702.3

F437—15

Specification for Threaded Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80
Table M2105.4, Table M2105.5, Table P2906.6

F438—2017

Specification for Socket-type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40
Table M2105.4, Table M2105.5, Table P2906.6

F439—13

Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80
Table M2105.4, Table M2105.5, Table P2906.6

F441/F441M—15

Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80
Table M2105.4, Table P2906.4, Table P2906.5

F442/F442M—13E1

Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR)
Table M2105.4, Table P2906.4, Table P2906.5

F477—14

Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe
P2906.18, P3003.13

ASTM—continued

F493—14

Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings

M2102.1.4, P2906.9.1.2, P2906.9.1.3, ~~P2906.18.2~~

F628—2012E2

Specification for Acrylonitrile-butadiene-styrene (ABS) Schedule 40 Plastic Drain, Waste and Vent Pipe with a Cellular Core

Table P3002.1(1), Table P3002.1(2), Table P3002.2, Table P3002.3, P3003.3.2

F656—2015

Specification for Primers for Use in Solvent Cement Joints of Poly (Vinyl Chloride) (PVC) Plastic Pipe and Fittings

P2906.9.1.4, P3003.9.2

F714—13

Specification for Polyethylene (PE) Plastic Pipe (SDR-PR) Based on Outside Diameter

Table M2105.4, Table P3002.1(2), Table P3002.2, P3010.4

F844—07a(2013)

Standard Specification for Washers, Steel, Plain (Flat), Unhardened for General Use

~~Table R507.2.3~~Table 4703.3

F876—2017

Specification for Cross-linked Polyethylene (PEX) Tubing

Table M2101.1, Table M2105.4, Table P2906.4, Table P2906.5

F877—2018A

Specification for Cross-linked Polyethylene (PEX) Plastic Hot- and Cold-water Distribution Systems

Table M2101.1, Table M2105.4, Table M2105.5, Table P2906.6

F891—2016

Specification for Coextruded Poly (Vinyl Chloride) (PVC) Plastic Pipe with a Cellular Core

Table P3002.1(1), Table P3002.1(2), Table P3002.2, ~~Table P3302.1~~

F1055—2016A

Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene Pipe and Tubing

Table M2105.5, M2105.11.2, Table P2906.6, P2906.20.23

F1281—2017

Specification for Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Pressure Pipe

Table M2101.1, ~~P2506.12.1~~, Table P2906.4, Table P2906.5, Table P2906.6, P2906.12.1

F1282—2017

Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe

Table M2101.1, Table M2105.4, Table M2105.5, Table P2906.4, Table P2906.5, Table P2906.6, P2906.12.1

F1346—91(2018)

Standard Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot
Tubs

F1412—2016

Specification for Polyolefin Pipe and Fittings for Corrosive Waste Drainage

Table P3002.1(2), Table P3002.2, Table P3002.3, P3003.11.1

F1476—07(2013)

Specification for Performance of Gasketed Mechanical Couplings for Use in Piping Applications

M2102.1.7

F1488—14E1

Specification for Coextruded Composite Pipe

Table P3002.1(1), Table P3002.1(2), Table P3002.2, ~~Table P3009.11~~

F1504—2014

Standard Specification for Folded Poly (Vinyl Chloride) (PVC) for Existing Sewer and Conduit Rehabilitation

P3011.46

F1554—2018

Specification for Anchor Bolts, Steel, 36, 55 and 105-ksi Yield Strength

R608.5.2.2

F1667—2018

Specification for Driven Fasteners, Nails, Spikes and Staples

R317.3, ~~Table R507.2.3~~, Table R602.3(1), R703.3.3, R703.6.3, Table R703.15.1, Table R703.15.2, R905.2.5, R4703.1, Table 4703.3

F1760—16(2020)

Standard Specification for Coextruded Poly(Vinyl Chloride) (PVC) Non-Pressure Plastic Pipe Having Reprocessed-Recycled Content

F1807—2018

Specification 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

Table M2101.1, Table M2105.5, Table P2906.6

F1866—2018

Specification for Poly (Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings

Table P3002.3

F1871—2011

Standard Specification for Folded/Formed Poly (Vinyl Chloride) Pipe Type A for Existing Sewer and Conduit Rehabilitation

P3011.46

F1901—22

Standard Specification for Polyethylene (PE) Pipe and Fittings for Roof Drain Systems

F1924—12

Standard Specification for Plastic Mechanical Fittings for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing

M2105.11.43

F1960—2018

Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing

Table M2101.1, Table M2105.5, Table P2906.6

F1970—12E1

Standard Specification for Special Engineered Fittings, Appurtenances or Valves for Use in Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) Systems

~~M2105.5~~, Table M2105.5, Table 2903.9.4

ASTM—continued

F1973—2013(2018)

Standard Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) and Polyamide 11 (PA 11) Fuel Gas Distribution Systems

G2415.17.2

F1974—09(2015)

Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Composite Pressure Pipe

Table P2906.6, P2906.12.1

F1986—2001(2011)

Multilayer Pipe Type 2, Compression Joints for Hot and Cold Drinking Water Systems

Table P2906.4, Table P2906.5, Table P2906.6

F2080—2016

Specification for Cold-expansion Fittings with Metal Compression-sleeves for Cross-linked Polyethylene (PEX) Pipe

Table M2105.5, Table P2906.6

F2090—17

Specification for Window Fall Prevention Devices with Emergency Escape (Egress) Release Mechanisms

R310.1.1, R312.2.1, ~~R312.2.2~~

F2098—2015

Standard Specification for Stainless Steel Clamps for Securing SDR9 Cross-linked Polyethylene (PEX) Tubing to Metal Insert and Plastic Insert Fittings

Table M2101.1, Table P2906.6

F2158—08(2016)

Standard Specification for Residential Central-Vacuum Tube and Fittings

F2159—2018

Standard 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

Table M2101.1, Table M2105.5, Table P2906.6

F2200—2020

Standard Specification for Automated Vehicular Gate Construction

F2262—09

Standard Specification for Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Tubing OD Controlled SDR9

Table P2906.4, Table P2906.5

F2306/F2306M—2018

12" to 60" Annular Corrugated Profile-wall Polyethylene (PE) Pipe and Fittings for Gravity Flow Storm Sewer and Subsurface Drainage Applications

F2389—2017A

Standard for Pressure-rated Polypropylene (PP) Piping Systems

Table M2101.1, M2102.13.1, Table M2105.4, Table M2105.5, M2105.12.1, Table P2903.9.4, Table P2906.4, Table P2906.5, Table P2906.6, P2906.11.1

F2434—14

Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Tubing

Table M2105.5, Table P2906.6

F2623—14

Standard Specification for Polyethylene of Raised Temperature (PE-RT) SDRG Tubing

Table M2101.1 Table M2105.4

F2735—2009(2016)

Standard Specification for Plastic Insert Fittings for SDR9 Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing

Table M2101.1, Table P2906.6

F2769—2018

Polyethylene or Raised Temperature (PE-RT) Plastic Hot and Cold-Water Tubing and Distribution Systems

Table M2101.1, Table M2105.4, Table P2906.4, Table P2906.5, Table P2906.6

F2806—10(2015)

Standard Specification for Acrylonitrile-butadiene-styrene (ABS) Plastic Pipe (Metric SDR-PR)

Table M2101.1

F2855—12

Standard Specification for Chlorinated Poly (Vinyl Chloride)/Aluminum/Chlorinated Poly (Vinyl Chloride) (CPVC AL CPVC) Composite Pressure Tubing

Table P2906.4, Table P2906.5

F2945—2018

Standard Specification for Polyamide 11 Gas Pressure Pipe, Tubing and Fittings

~~G2414.6~~

F2969—12

Standard Specification for Acrylonitrile-butadiene-styrene (ABS) IPS Dimensioned Pressure Pipe

Table M2101.1

F3226/F3226M—16

Standard Specification for Metallic Press-Connect Fittings for Piping and Tubing Systems

Table P2906.6

F3253—2017

Standard Specification for Crosslinked Polyethylene (PEX) Tubing with Oxygen Barrier for Hot- and Cold-Water Hydronic Distribution Systems

~~Table M2101.1~~

AWC

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

ANSI/AWC NDS—2018

National Design Specification (NDS) for Wood Construction—with 2018 Supplement

R404.2.2, R502.2, Table R503.1, ~~R507.2.1~~, R602.3, R608.9.2, R608.9.3, Table R703.15.1,
Table R703.15.2, R802.2, R4505.1, R4702.1

ANSI/AWC PWF—2021

Permanent Wood Foundation Design Specification

R317.3.2, R401.1, R404.2.3

ANSI/AWC WFCM—2018

Wood Frame Construction Manual for One- and Two-family Dwellings

R301.1.1, R301.2.1.1, R602.10.8.2, ~~Figure R608.9(9)~~, R608.9.2, R608.9.3, R608.10, Table R4505(d)

AWC STJR—2021

Span Tables for Joists and Rafters

R502.3, R802.4.1, R802.5.1

AWPA

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

C1—03

All Timber Products—Preservative Treatment by Pressure Processes

R902.2

M4—15

Standard for the Care of Preservative-treated Wood Products

R317.1.1, R318.1.2

U1—20

USE CATEGORY SYSTEM: User Specification for Treated Wood Except Commodity Specification H

R317.1, R318.1, R402.1.2, R504.3, R703.6.3, R905.7.5, Table R905.8.5, R905.8.6, R4603.7

AWS

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

A5.8M/A5.8—2011—AMD1

Specifications for Filler Metals for Brazing and Braze Welding

P3003.6.1

ANSI/AWS A5.31M/A5.31—2012

Specification for Fluxes for Brazing and Braze Welding Edition: 2nd

M2102.1.1, M2103.3, M2202.2, M2202.11.1, P2906.15

AWWA

American Water Works Association
6666 West Quincy Avenue
Denver, CO 80235

C104/A21.4—16

Cement-mortar Lining for Ductile-iron Pipe and Fittings

P2906.4

C110/A21.10—12

Ductile-iron and Gray-iron Fittings

Table P2906.6, P3002.3

C115/A21.15—11

Flanged Ductile-iron Pipe with Ductile-iron or Gray-iron Threaded Flanges

Table P2906.4

C150/A21.50—14

Thickness Design of Ductile-Iron Pipe

Table P3002.2

C151/A21.51—17

Ductile-iron Pipe, Centrifugally Cast, for Water

Table P2906.4

C153/A21.53—11

Ductile-iron Compact Fittings for Water Service

Table P2906.6

C500—09

Standard for Metal-seated Gate Valves for Water Supply Service

Table P2903.9.4

C504—15

Standard for Rubber-seated Butterfly Valves

Table P2903.9.4

C507—15

Standard for Ball Valves, 6 In. Through 60 In. (150 mm through 1,500 mm)

Table P2903.9.4

C510—07

Double Check Valve Backflow Prevention Assembly

Table P2902.3, P2902.3.6

AWWA—continued

C511—17

Reduced-pressure Principle Backflow Prevention Assembly

Table P2902.3, P2902.3.5, P2902.5.1

C900—16

Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 4 in. through 60 in.

Table P3002.2

C901—16

Polyethylene (PE) Pressure Pipe and Tubing $\frac{1}{2}$ in. (13 mm) through 3 in. (76 mm) for Water Service

P2906.4

C903—16

Polyethylene-aluminum-polyethylene (PE-AL-PE) Composite Pressure Pipe, 12 mm ($\frac{1}{2}$ in.) through 50 mm (2 in.), for Water Service

Table M2105.4

C904—16

Cross-linked Polyethylene (PEX) Pressure Tubing, $\frac{1}{2}$ in. (13 mm) through 3 in. (76 mm) for Water Service

P2906.4

CEN

European Committee for Standardization (EN)
Rue de la Science 23
Brussels, Belgium B - 1040

EN 15250—2007

Slow Heat Release Appliances Fired by Solid Fuel Requirements and Test Methods

R1002.2

CISPI

Cast Iron Soil Pipe Institute
2401 Fieldcrest Drive
Mundelein, IL 60060

301—18

Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications

Table P3002.1(1), Table P3002.1(2), Table P3002.2, Table P3002.3, Table P3302.1

310—18

Standard 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

P3003.4.3

CPA

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

A208.1—2016

Particleboard

R503.3.1, R602.1.9, R605.1

ANSI A135.4—2012

Basic Hardboard

Table R602.3(2)

ANSI A135.5—2012

Prefinished Hardboard Paneling

R702.5

ANSI A135.6—2012

Engineered Wood Siding

R703.5

ANSI A135.7—2012

Engineered Wood Trim

R703.5

CPSC

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

16 CFR, Part 1201—(2002)

Safety Standard for Architectural Glazing

R308.1.1, R308.3.1, Table R308.3.1(1)

16 CFR, Part 1209—(2002)

Interim Safety Standard for Cellulose Insulation

R302.10.3

16 CFR, Part 1404—(2002)

Cellulose Insulation

R302.10.3

CSA

CSA Group
8501 East Pleasant Valley Road
Cleveland, OH 44131-5516

A112.18.6—2017/CSA B125.6—17

Flexible Water Connectors

P2906.7

A112.19.5—2017/CSA B45.15—2017

Flush Valves and Spuds for Water-closets, Urinals and Tanks

Table P2701.1

A112.19.7—2012/CSA B45.10—2012(R2017)

Hydromassage Bathtub Systems

Table P2701.1

A257.2—14

Reinforced Circular Concrete Culvert, Storm Drain, Sewer Pipe and Fittings

Table P3002.2, P3003.13

A257.3—14

Joints for Circular Concrete Sewer and Culvert Pipe, Manhole Sections and Fittings Using Rubber Gaskets

P3003.5, P3003.13

AAMA/WDMA/CSA 101/I.S.2/A440—17

North American Fenestration Standard/Specification for Windows, Doors and Unit Skylights
R308.6.9, R609.3, N1102.4.3

ANSI/CSA FC I—2014

Fuel Cell Technologies—Part 3-100; Stationary fuel cell power systems—Safety
M1903.1

ANSI/CSA/IGSHPA C448 Series—16

Design and Installation of Ground Source Heat Pump Systems for Commercial and Residential Buildings
Table M2105.4, Table M2105.5

ASME A17.1/CSA B44—2019

Safety Code for Elevators and Escalators
R321.1

ASME A112.3.4—2018/CSA B45.9—2018

Macerating Toilet Systems and Related Components
Table P2701.1, P3007.5

ASME A112.4.2—2015/CSA B45.16—2015(2020)

Water-closet Personal Hygiene Device
P2722.5

ASME A112.18.1—2018/CSA B125.1—2018

Plumbing Supply Fittings
Table P2701.1, P2708.4, P2708.5, P2722.1, P2722.3, P2902.2, Table P2903.9.4

ASME A112.18.2—2020/CSA B125.2—2020

Plumbing Waste Fittings
Table P2701.1, P2702.2

ASME A112.19.1—2018/CSA B45.2—18

Enameled Cast-iron and Enameled Steel Plumbing Fixtures
Table P2701.1, P2711.1

ASME A112.19.2—2018/CSA B45.1—18

Ceramic Plumbing Fixtures
Table P2701.1, P2705.1, P2711.1, P2712.1, P2712.2, P2712.9

ASME A112.19.3—2017/CSA B45.4—2017

Stainless Steel Plumbing Fixtures
Table P2701.1, P2705.1, P2711.1, P2712.1

ASSE 1002—2020/ASME A112.1002—2020/CSA B125.12—20

Anti-Siphon Fill Valves for Water Closet Tanks
Table P2701.1, Table P2902.3, P2902.4.1

ASSE 1016—2017/ASME 112.1016—2017/CSA B125.16—2017

Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations
Table P2701.1, P2708.4, P2722.2

ASSE 1070—2020/ASME A112.1070—2020/CSA B125.70—2020

Performance Requirements for Water-temperature-limiting Devices
P2713.3, P2721.2, ~~P2724.1~~

B44—2019

Safety Code for Elevators and Escalators

R321.1

B55.1—2015

Test Method for Measuring Efficiency and Pressure Loss of Drain Water Heat Recovery Units

N1103.5.4

B55.2—2015

Drain Water Heat Recovery Units

N1103.5.4

CSA—continued

B64.1.1—11(R2016)

Vacuum Breakers, Atmospheric Type (AVB)

Table P2902.3, P2902.3.2

B64.1.2—11(R2016)

Pressure Vacuum Breakers (PVB)

Table P2902.3, P2902.3.4

B64.1.3—11(R2016)

Spill Resistant Pressure Vacuum Breakers (SRPVB)

Table P2902.3

B64.2—11(R2016)

Vacuum Breakers, Hose Connection Type (HCVB)

Table P2902.3, P2902.3.2

B64.2.1—11(R2016)

Hose Connection Vacuum Breakers (HCVB) with Manual Draining Feature

Table P2902.3, P2902.3.2

B64.2.1.1—11(2016)

Hose Connection Dual Check Vacuum Breakers (HCDVB)

Table P2902.3, P2902.3.2

B64.2.2—11(2016)

Vacuum Breakers, Hose Connection Type (HCVB) with Automatic Draining Feature

Table P2902.3, P2902.3.2

B64.3—11(2016)

Dual Check Backflow Preventers with Atmospheric Port (DCAP)

Table P2902.3, P2902.3.2, P2902.5.1

B64.4—11(2016)

Backflow Preventers, Reduced Pressure Principle Type (RP)

Table P2902.3, P2902.3.5

B64.4.1—11(2016)

Reduced Pressure Principle for Fire Sprinklers (RPF)

Table P2902.3, P2902.3.5

B64.5—11(2016)

Double Check Backflow Preventers (DCVA)

Table P2902.3, P2902.3.6

B64.5.1—11(2016)

Double Check Valve Backflow Preventers, Type for Fire Systems (DCVAF)

Table P2902.3, P2902.3.6

B64.6—11(2016)

Dual Check Valve Backflow Preventers (DuC)

Table P2902.3, P2902.3.7

B64.7—11(2016)

Laboratory Faucet Vacuum Breakers (LFVB)

Table P2902.3, P2902.3.2

B125.3—18

Plumbing Fittings

Table P2701.1, P2713.3, P2721.2, Table P2902.3, P2902.4.1, Table P2903.9.4

B137.1—17

Polyethylene (PE) Pipe, Tubing and Fittings for Cold Water Pressure Services

Table P2906.4, Table P2906.6

B137.2—17

Polyvinylchloride PVC Injection-moulded Gasketed Fittings for Pressure Applications

Table P2906.6

B137.3—17

Rigid Poly (Vinyl Chloride) (PVC) Pipe for Pressure Applications

Table P2906.4, Table P2906.6, P3003.9.2

B137.5—17

Cross-linked Polyethylene (PEX) Tubing Systems for Pressure Applications

Table P2906.4, Table P2906.5, Table P2906.6

B137.6—17

Chlorinated polyvinylchloride CPVC Pipe, Tubing and Fittings For Hot- and Cold-water Distribution Systems

Table P2906.4, Table P2906.5, Table 2906.6

B137.9—17

Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe Systems

Table M2101.1, Table P2906.4

B137.10—17

Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PE-AL-PE) Composite Pressure Pipe Systems

Table M2101.1, Table P2906.4, Table P2906.5, Table P2906.6, P2906.12.1

B137.11—17

Polypropylene (PP-R) Pipe and Fittings for Pressure Applications

Table P2906.4, Table P2906.5, Table P2906.6

B137.18—17

Polyethylene of Raised Temperature (PE-RT) Tubing Systems for Pressure Applications

Table M2101.1, Table M2105.4, Table M2105.5, Table P2906.4, Table P2906.5, Table P2906.6

B181.1—18

Acrylonitrile-butadiene-styrene (ABS) Drain, Waste and Vent Pipe and Pipe Fittings

Table P3002.1(1), Table P3002.1(2), Table P3002.3, P3003.3.2

B181.2—18

Polyvinylchloride (PVC) and chlorinated polyvinylchloride (CPVC) Drain, Waste and Vent Pipe and Pipe Fittings

Table P3002.1(1), Table P3002.1(2), P3003.9.2, P3008.3

CSA—continued

B181.3—18

Polyolefin and polyvinylidene (PVDF) Laboratory Drainage Systems

Table P3002.1(1), Table P3002.1(2), Table P3002.2, Table P3002.3, P3003.11.1

B182.1—18

Plastic Drain and Sewer Pipe and Pipe Fittings

Table P3302.1

B182.2—18

PSM Type polyvinylchloride (PVC) Sewer Pipe and Fittings

Table P3002.2, Table P3302.1

B182.4—18

Profile polyvinylchloride (PVC) Sewer Pipe & Fittings

Table P3002.2, Table P3302.1

B182.6—18

Profile Polyethylene (PE) Sewer Pipe and Fittings for leak-proof Sewer Applications

Table P3302.1

B182.8—18

Profile Polyethylene (PE) Storm Sewer and Drainage Pipe and Fittings

Table P3302.1

B356—10(R2020)

Water Pressure Reducing Valves for Domestic Water Supply Systems

P2903.3.1

B483.1—07(R2017)

Drinking Water Treatment Systems

P2909.1, P2909.2

B602—16

Mechanical Couplings for Drain, Waste and Vent Pipe and Sewer Pipe

P3003.3.1, P3003.4.3, P3003.5, P3003.9.1, P3003.10, P3003.12.2, P3003.13

C22.2 No. 218.1—13(R2017)

Spas, Hot Tubs and Associated Equipment

M2006.1

C22.2 No. 236—15

Heating and Cooling Equipment

M2006.1

CAN/CSA/C22.2 No. 60335-2-40—2012

Safety of Household and Similar Electrical Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers

M1403.1, M1412.1, M1413.1

CSA 8—93

Requirements for Gas Fired Log Lighters for Wood Burning Fireplaces

G2433.1

CSA A257.1—2014

Non-reinforced Circular Concrete Culvert, Storm Drain, Sewer Pipe and Fittings

Table P3002.2

CSA B45.5—2017/IAPMO Z124—2017 with Errata dated August 2017

Plastic Plumbing Fixtures

Table P2701.1, P2711.1, P2711.2, P2712.1

CSA B805—18/ICC 805—18

Rainwater Harvesting Systems

P2912.1

CSA O325—16

Construction Sheathing

R503.2.1, R602.1.8, R604.1, R803.2.1

O437-Series—93(R2011)

Standards on OSB and Waferboard

R503.2.1, R602.1.8, R604.1, R803.2.1

CSSB

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

CSSB—97

Grading and Packing Rules for Western Red Cedar Shakes and Western Red Shingles of the Cedar Shake and Shingle Bureau

R702.6, R703.6

DASMA

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

105—2017

Test Method for Thermal Transmittance and Air Infiltration of Garage Doors and Rolling Doors

N1101.10.3

DASMA—continued

108—2017

Standard Method for Testing Garage Doors, Rolling Doors and Flexible Doors; Determination of Structural Performance Under Uniform Static Air Pressure Difference
R609.4, Table R4502(f)

115—2017

Standard Method for Testing Sectional Garage Doors, Rolling Doors and Flexible Doors: Determination of Structural Performance Under Missile Impact and Cyclic Wind Pressure
R301.2.1.2

DHA

Decorative Hardwoods Association (formerly HPVA)
42777 Trade West Drive
Sterling, Virginia 20166

ANSI/HPVA HP-1—2016

American National Standard for Hardwood and Decorative Plywood
R702.5

DOC

United States Department of Commerce
1401 Constitution Avenue, NW
Washington, DC 20230

PS 1—19

Structural Plywood

R404.2.1, Table R404.2.3, R503.2.1, R602.1.8, R604.1, R803.2.1

PS 2—18

Performance Standard for Wood Structural Panels

R404.2.1, Table R404.2.3, R503.2.1, R602.1.8, R604.1, R803.2.1

PS 20—05

American Softwood Lumber Standard

R404.2.1, R502.1.1, R602.1.1, R802.1.1

DOTn

U.S. Department of Transportation
1200 New Jersey Avenue SE
Washington, DC 20590

49 CFR, Parts 192.281(e) & 192.283 (b) (2009)

Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards
G2414.5.1

FEMA

Federal Emergency Management Agency
500 C Street SW
Washington, DC 20472

FEMA TB-2—08

Flood Damage-resistant Materials Requirements
R322.1.8

FEMA TB-11—01

Crawlspace Construction for Buildings Located in Special Flood Hazard Area
R408.7

FM

FM Approvals
Headquarters Office
Norwood, MA 02062

4450—(1989)

Approval Standard for Class 1 Insulated Steel Deck Roofs—with Supplements through July 1992
R906.1

4474—2011

American National Standard for Evaluating the Simulated Wind Uplift Resistance of Roof Assemblies Using Static Positive and/or Negative Differential Pressures
R905.4.4.1

ANSI/FM 4880—(2017)

American National Standard for Evaluating the Fire Performance of Insulated Building Panel Assemblies and Interior Finish Materials
R316.6

GA

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

GA-253—2018

Application of Gypsum Sheathing
Table R602.3(1)

HVI

Home Ventilating Institute
1740 Dell Range Blvd., Suite H, PMB 450
Cheyenne, WY 82009

916—18:

Airflow Test Procedure

58

2024 INTERNATIONAL NORTH CAROLINA RESIDENTIAL CODE®

IAPMO

IAPMO Group
4755 E. Philadelphia Street
Ontario, CA 91761-USA

CSA B45.5—17/IAPMO Z124—2017

Plastic Plumbing Fixtures

Table P2701.1, P2711.1, P2711.2, P2712.1

ICC

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

ANSI/RESNET/ICC 301—2019

Standard for the Calculation and Labeling of the Energy Performance of Low-rise Dwelling and Sleeping Units Using the Energy Rating Index

N1106.42, N1106.6.1, N1106.7.1ANSI

ANSI/RESNET/ICC 380—2019

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

N1102.4.1.2

IBC—21

International Building Code®

R320.1.1, R101.2, R202, R301.1.1, R301.1.3, R301.2.1.1, R301.2.2.1.1, R301.2.2.1.2, R301.3,
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Table R602.10.3(3), Table R606.12.2.1, R609.2, R802.1.5.4, R905.10.3, G2402.3

ICC 400—17

Standard on the Design and Construction of Log Structures

R301.1.1, R502.1.4, R602.1.4, R703.1, R802.1.3, N1102.1, Table N1102.4.1.1

ICC 500—2020

ICC/NSSA Standard for the Design and Construction of Storm Shelters

R323.1

ICC 600—2020

Standard for Residential Construction in High-wind Regions

R301.2.1.1

ICC 900/SRCC 300—2020

Solar Thermal System Standard

M2301.2.2.2, M2301.2.3, M2301.2.6, M2301.2.7, M2301.2.8, M2301.2.10, M2301.4

ICC 901/SRCC 100—2020

Solar Thermal Collector Standard

M2301.3.1

ICC/ANSI A117.1—17

Accessible and Usable Buildings and Facilities

R321.3

IEBC—21

International Existing Building Code®
R110.2

IECC—06

International Energy Conservation Code®
N1101.6

IECC—21

International Energy Conservation Code®
N1101.1, N1103.8, Table N1105.4.2(1)

IFC—21

International Fire Code®
R102.7, R324.2, M2201.7, G2402.3, G2412.2

ICC—continued

IFGC—21

International Fuel Gas Code®

G2401.1, G2402.3, G2423.1

IMC—21

International Mechanical Code®

G2402.3

IPC—21

International Plumbing Code®

Table R301.2(1), R903.4.1, G2402.3, P2601.1

IPMC—21

International Property Maintenance Code®

R102.7

IPSDC—21

International Private Sewage Disposal Code®

R322.1.7

ISPSC—21

International Swimming Pool and Spa Code®

R327.1

IEEE

Institute of Electrical and Electronic Engineers, Inc.
3 Park Avenue, 17th Floor
New York, NY 10016-5997

515.1—2012

IEEE Standard for the Testing, Design, Installation and Maintenance of Electrical Resistance Trace Heating for Commercial Applications

N1103.5.2.2

ISO

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

8336—2009

Fibre-cement Flat Sheets-product Specification and Test Methods

Table R503.2.1.1(1), Table R503.2.1.1(2), Table R602.3(2), Table R702.4.2, R703.10.1, R703.10.2

15874—2002

Polypropylene Plastic Piping Systems for Hot and Cold Water Installations

Table M2101.1

MSS

Manufacturers Standardization Society of the Valve and Fittings Industry
127 Park Street, NE
Vienna, VA 22180

SP-42—2013

Corrosion Resistant Gate, Globe, Angle and Check Valves with Flanged and Butt Weld Ends (Classes 150, 300 & 600)

Table P2903.9.4

SP-58—2009

Pipe Hangers and Supports—Materials, Design, Manufacture, Selection, Application and Installation
G2418.2

SP-67—2011

Butterfly Valves

Table P2903.9.4

SP-70—2011

Gray Iron Gate Valves, Flanged and Threaded Ends

Table P2903.9.4

SP-71—2011

Gray Iron Swing Check Valves, Flanged and Threaded Ends

Table P2903.9.4

SP-72—2010a

Ball Valves with Flanged or Butt-Welding Ends for General Service

P2903.9.4

SP-78—2011

Cast Iron Plug Valves, Flanged and Threaded Ends

Table P2903.9.4

SP-80—2019

Bronze Gate, Globe, Angle and Check Valves

Table P2903.9.4

SP-110—2010

Ball Valves, Threaded, Socket Welded, Solder Joint, Grooved and Flared Ends

Table P2903.9.4

MSS—continued

SP-122—2012

Plastic Industrial Ball Valves

Table P2903.9.4

SP-139—2014

Copper Alloy Gate, Globe, Angle, and Check Valves for Low Pressure/ Low Temperature Plumbing Applications

Table P2903.9.4

NAIMA

North American Insulation Manufacturers Association
11 Canal Center Plaza, Suite 101
Alexandria, VA 22314

AH 116—09

Fibrous Glass Duct Construction Standards, Fifth Edition

M1601.1.1

NEMA

National Electrical Manufacturers Association
12300 17th Street North No. 900
Arlington, VA 22209

OS 4—2016:

Requirements for Air-Sealed Boxes for Electrical and Communication Applications

N1102.4.6

NFPA

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

13D—19

Standard for the Installation of Sprinkler Systems in One- and Two-family Dwellings and Manufactured Homes

R313.1.1, R313.2.1, R324.6.2.1, P2904.1, P2904.6.1

13R—19

Standard for the Installation of Sprinkler Systems in Low-Rise Residential Occupancies

R325.5

31—20

Standard for the Installation of Oil-burning Equipment

M1701.1, M1801.3.1, M1805.3, M2201.2

58—20

Liquefied Petroleum Gas Code

G2412.2, G2414.5.2

70—20

National Electrical Code

R107.3, R324.3, R328.6, E3401.1, E3401.2, E4301.1, Table E4303.2, E4304.3, E4304.4

72—19

National Fire Alarm and Signaling Code

R314.1, R314.7.1

85—19

Boiler and Combustion Systems Hazards Code

G2452.1

211—19

Standard for Chimneys, Fireplaces, Vents and Solid Fuel Burning Appliances

R1002.5, G2427.5.5.1

259—18

Standard for Test Method for Potential Heat of Building Materials

R316.5.7, R316.5.8

275—17

Standard Method of Fire Tests for the Evaluation of Thermal Barriers

R316.4

276—15

Standard Method of Fire Tests for Determining the Heat Release Rate of Roofing Assemblies with Combustible Above-deck Roofing Components

R906.1

286—19

Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth

R302.9.4, R316.6

501—17

Standard on Manufactured Housing

R202

720—15

Standard for the Installation of Carbon Monoxide (CO) Detectors and Warning Equipment

R315.7.1, R315.7.2

853—20

Standard on the Installation of Stationary Fuel Cell Power Systems

M1903.1

NFRC

National Fenestration Rating Council, Inc.
6305 Ivy Lane, Suite 140
Greenbelt, MD 20770

100—2020

Procedure for Determining Fenestration Products *U*-Factors

N1101.10.3

200—2020

Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence

N1101.10.3

400—2020

Procedure for Determining Fenestration Product Air Leakage

N1102.4.3

NGWA

National Ground Water Association
601 Dempsey Road
Westerville, OH 43081

ANSI/NGWA 01—14

Water Well Construction Standard
P2602.1

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105

14—2017

Plastics Piping System Components and Related Materials
M1301.4, P2609.3, P2909.3

41—2016

Nonliquid Saturated Treatment Systems (Composting Toilets)
P2725.1

42—2017

Drinking Water Treatment Units—Aesthetic Effects
P2909.1, P2909.3

44—2017

Residential Cation Exchange Water Softeners
P2909.1, P2909.3

50—2017

Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities
P2911.8.1

53—2017

Drinking Water Treatment Units—Health Effects
P2909.1, P2909.3

58—2017

Reverse Osmosis Drinking Water Treatment Systems
P2909.2, P2909.3

61—2018

Drinking Water System Components—Health Effects
P2609.5, P2722.1, P2903.9.4, P2906.4, P2906.5, P2906.6, P2909.3

62—2017

Drinking Water Distillation Systems
P2909.1

350—2017a

Onsite Residential and Commercial Water Reuse Treatment Systems
P2911.6.1

358-1—2017

Polyethylene Pipe and Fittings for Water-based Ground Source “Geothermal” Heat Pump Systems
M2105.4, M2105.5

358-2—2017

Polypropylene Pipe and Fittings for Water-based Ground Source “Geothermal” Heat Pump Systems

Table M2105.4, M2105.5

358-3—2016

Cross-linked Polyethylene (PEX) Pipe and Fittings for Water-based Ground-source (Geothermal) Heat Pump Systems

Table M2105.4, Table M2105.5

358-4—2018

Polyethylene of Raised Temperature (PE-RT) Pipe and Fittings for Water-based Ground-source (Geothermal) Heat Pump Systems

Table 2105.4, Table 2105.5

359—2016

Valves for Crosslinked Polyethylene (PEX) Water Distribution Tubing Systems

Table P2903.9.4

372—2016

Drinking Water Systems Components—Lead Content

P2906.2.1

PCA

Portland Cement Association
5420 Old Orchard Road
Skokie, IL 60077

100—17

Prescriptive Design of Exterior Concrete Walls for One- and Two-family Dwellings (Pub. No. PCA 100.3)

R301.2.2.5, R404.1.3, R404.1.3.2.1, R404.1.3.2.2, R404.1.3.4, R404.1.4.2, R608.1, R608.2,
R608.5.1, R608.9.2, R608.9.3

PSAI

Portable Sanitation Association International
2626 E. 82nd Street, Suite 175
Bloomington, MN 55425

PSAI/ANSI Z4.3—16

Minimum Requirements for Nonsewered Waste-disposal Systems

P2505.5

SBCA

Structural Building Components Association
6300 Enterprise Lane
Madison, WI 53719

ANSI/FS100—12(R2018)

Standard Requirements for Wind Pressure Resistance of Foam Plastic Insulating Sheathing Used in Exterior Wall Covering Assemblies

R316.8

BCSI—2018

Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses

R502.11.2, R802.10.3

CFS-BCSI—(updated June 2016)

**Cold-formed Steel Building Component Safety Information (CFSBCSI) Guide to Good Practice for Handling, Installing & Bracing
of Cold-formed Steel Trusses**
R505.1.3, R804.3.6

SMACNA

Sheet Metal & Air Conditioning Contractors National Assoc. Inc.
4021 Lafayette Center Road
Chantilly, VA 22021

SMACNA—10

Fibrous Glass Duct Construction Standards 7th edition
M1601.1.1, M1601.4.1

SMACNA/ANSI—006-2020

HVAC Duct Construction Standards—Metal and Flexible 4th Edition (ANSI)
M1601.4.1

TMS

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

402—2016

Building Code Requirements for Masonry Structures
R404.1.2, R606.1, R606.1.1, R606.12.1, R606.12.2.3.1, R606.12.3.1, R703.12

403—2017

Direct Design Handbook for Masonry Structures
R606.1, R606.1.1, R606.12.1, R606.12.3.1

404—2016

Standard for the Design of Architectural Cast Stone
R606.1

602—2016

Specification for Masonry Structures
R606.2.10, R606.2.13, R703.12

TPI

Truss Plate Institute
2670 Crain Highway, Suite 203
Waldorf, MD 20601

TPI 1—2014

National Design Standard for Metal Plate Connected Wood Truss Construction
R502.11.1, R802.10.2

UL

UL LLC
333 Pfingsten Road
Northbrook, IL 60062

17—2008

Vent or Chimney Connector Dampers for Oil-fired Appliances—with revisions through September 2013
M1802.2.2

UL—continued

55A—2004

Materials for Built-up Roof Coverings

R905.9.2

58—2018

Steel Underground Tanks for Flammable and Combustible Liquids

M2201.1

80—2007

Steel Tanks for Oil-burner Fuel—with revisions through January 2014

M2201.1

103—2010

Factory-built Chimneys for Residential Type and Building Heating Appliances—with revisions through March 2017

R202, R1005.3, G2430.1

127—2011

Factory-built Fireplaces—with revisions through July 2016

R1001.11, R1004.1, R1004.4, R1004.5, R1005.4, N1102.4.2, G2445.7

174—2004

Household Electric Storage Tank Water Heaters—with revisions through December 2016

M2005.1

180—2012

Liquid-level Indicating Gauges for Oil Burner Fuels and Other Combustible Liquids—with revisions through May 2017

M2201.5

181—2005

Factory-made Air Ducts and Air Connectors—with revisions through April 2017

M1601.1.1, M1601.4.1

181A—2013

Closure Systems for Use with Rigid Air Ducts and Air Connectors—with revisions through March 2017

M1601.2, M1601.4.1

181B—2013

Closure Systems for Use with Flexible Air Ducts and Air Connectors—with revisions through March 2017

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217—2015

Smoke Alarms—with revisions through November 2016

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263—2011

Fire Test of Building Construction and Materials—with revisions through March 2018

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268—2016

Smoke Detectors for Fire Alarm Systems—with revisions through July 2016

R314.7.1, R314.7.4, R315.7.4

325—2017

Door, Drapery, Gate, Louver and Window Operations and Systems

R309.4

343—2017

Pumps for Oil-burning Appliances

M2204.1

378—06

Draft Equipment—with revisions through September 2013

M1804.2.6, G2427.3.3

441—16

Gas Vents—with revisions through July 2016

G2426.1, G2427.6.1

467—13:

Grounding and Bonding Equipment

G2411.2.5

507—2017

Electric Fans—with revisions through August 2018

M1503.2

508—2018

Industrial Control Equipment

M1411.3.1

515—11

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536—2014

Flexible Metallic Hose

M2202.3

580—2006

Test for Uplift Resistance of Roof Assemblies—with Revisions through October 2013

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641—2010

Type L, Low-temperature Venting Systems—with revisions through April 2018

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651—2011

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G2414.56.3

705—2017

Power Ventilators—with revisions through October 2018

M1502.4.4

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723—2018

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726—95

Oil-fired Boiler Assemblies—with revisions through October 2013

M2001.1.1, M2006.1

727—2018

Oil-fired Central Furnaces

M1402.1

729—2003

Oil-fired Floor Furnaces

M1408.1

730—03

Oil-fired Wall Furnaces—with revisions through November 2016

M1409.1

732—2018

Oil-fired Storage Tank Water Heaters—with revisions through August 2018

M2005.1

737—2011

Fireplaces Stoves

M1414.1, M1901.2

790—04

Standard Test Methods for Fire Tests of Roof Coverings—with revisions through October 2018

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Commercial-industrial Gas Heating Equipment

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834—2004

Heating, Water Supply and Power Boilers—Electric—with revisions through September 2018

M2001.1.1

842—2015

Valves for Flammable Fluids—with revisions through May 2015

M2204.2

858—2014

Household Electric Ranges—with revisions through June 2018

M1503.2, M1901.2

875—09

Electric Dry-bath Heaters—with revisions through September 2017

M1902.2

896—1993

Oil-burning Stoves—with revisions through November 2016

70

M1410.1

907—94

Fireplace Accessories—with revisions through November 2014

R1001.13

923—2013

Microwave Cooking Appliances—with revisions through July 2017

M1503.2, M1504.1, M1901.2

959—2010

Medium Heat Appliance Factory-built Chimneys—with revisions through June 2014

R1005.6

1026—2012

Electric Household Cooking and Food Serving Appliances—with revisions through July 2018

M1901.2

1040—1996

Fire Test of Insulated Wall Construction—with revisions through April 2017

R316.6

1042—2009

Electric Baseboard Heating Equipment—with revisions through December 2016

M1405.1

1256—02

Fire Test of Roof Deck Construction—with revisions through August 2018

R906.1

1261—2016

Electric Water Heaters for Pools and Tubs—with revisions through September 2017

M2006.1

1479—2015

Fire Tests of Through-Penetration Firestops

R302.4.1.2

1482—2011

Solid-Fuel-type Room Heaters—with revisions through August 2015

R1002.2, R1002.5, M1410.1

1563—2009

Electric Spas, Equipment Assemblies, and Associated Equipment—with revisions through October 2017

M2006.1

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1618—2015

Wall Protectors, Floor Protectors, and Hearth Extensions—with revisions through January 2018
R1004.2, M1410.2

1693—2010

Electric Radiant Heating Panels and Heating Panel Sets—with revisions through October 2011
M1406.1

1703—2002

Flat-plate Photovoltaic Modules and Panels—with revisions through September 2018
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1715—97

Fire Test of Interior Finish Material—with revisions through April 2017
R316.6

1738—2010

Venting Systems for Gas-burning Appliances, Categories II, III and IV
G2426.1, G2427.4.1, G2427.4.1.1, G2427.4.2

1741—2010

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Uplift Tests for Roof Covering Systems
R905.4.4.1

1995—2015

Heating and Cooling Equipment—with revisions through August 2018
M1402.1, M1403.1, M1407.1, M1412.1, M1413.1, M2006.1

1996—2009

Electric Duct Heaters—with revisions through July 2016
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2200—2012

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R329.1

2523—2009

Standard for Solid Fuel-fired Hydronic Heating Appliances, Water Heaters and Boilers—with revisions through March 2018
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2703—2014

Mounting Systems, Mounting Devices, Clamping/Retention Devices and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels—with revisions through December 2019
R902.4

7103—19

Outline of Investigation for Building-Integrated Photovoltaic Roof Covering
R902.3, R905.16.4, Table 905.16.6, R905.17.5

9540—2016

Standard for Energy Storage Systems and Equipment
R328.2, R328.6

61730-1—2017

Photovoltaic (PV) Module Safety Qualification—Part 1: Requirements for Construction
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61730-2—2017

Photovoltaic (PV) Module Safety Qualification—Part 2: Requirements for Testing
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UL/CSA/ANCE 60335-2-40—2012

Standard for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Motor-compressors
M1402.1, M1403.1, ~~M1412.1~~, ~~M1413.1~~, ~~M2006.1~~

ULC

ULC
13775 Commerce Parkway
Richmond, BC V6V 2V4

CAN/ULC S 102.2—2018

Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies
R302.10.1, R302.10.2

US-FTC

United States-Federal Trade Commission
600 Pennsylvania Avenue NW
Washington, DC 20580

CFR Title 16(2015)

R-value Rule

N1101.10.4

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

North American Fenestration Standard/Specifications for Windows, Doors and Skylights
R308.6.9, R609.3, N1102.4.3

I.S. 11—18

Industry Standard Analytical Method for Design Pressure (DP) Ratings of Fenestration Products
R308.6.9.1, R609.3.1

WMA

World Millwork Alliance (formerly Association of Millwork Distributors Standards AMD)
10047 Robert Trent Parkway
New Port Richey, FL 34655-4649

ANSI WMA 100—2018

**Standard Method of Determining Structural Performance Ratings of Side-Hinged Exterior Door Systems and Procedures for
Component Substitution**
R609.3