



APPENDIX C
CODE CHANGE PROPOSAL
NORTH CAROLINA
BUILDING CODE COUNCIL

B-5

1429 Rock Quarry Road, Suite 105
Raleigh, North Carolina 27610
(919) 647-0008
david.rittlinger@ncdoi.gov

Petition for Rule Making

Item Number \_\_\_\_\_

Granted by BCC \_\_\_\_\_
Denied by BCC \_\_\_\_\_

Adopted by BCC \_\_\_\_\_
Disapproved by BCC \_\_\_\_\_

Approved by RRC \_\_\_\_\_
Objection by RRC \_\_\_\_\_

PROPONENT: NCBCC Residential Standing Committee PHONE: (919) 647-0008
REPRESENTING: North Carolina Building Code Council
ADDRESS: 1429 Rock Quarry Road, Suite 105
CITY: Raleigh STATE: NC ZIP: 27610
E-MAIL: jhilton6208@gmail.com FAX: ( ) -

2024 North Carolina Residential Code, Chapter 44 Referenced Standards

CHECK ONE: [X] Revise section to read as follows: [ ] 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: 2018 NCRC, Chapter 44 Referenced Standards is amended to create the 2024 NCRC, Chapter 44 Referenced Standards. Referenced Standards applying to Chapters 11 through 24 (Energy, Mechanical and Fuel Gas) are unchanged from 2018 NCRC as per North Carolina General Assembly, Session Law 2023-108, Section 7 and 8, that became law on 8/16/23. Updating the referenced standards for the chapters of the 2024 NCRC not restricted by the aforementioned law is important to the functionality and use of this code for the public.

BCC CODE CHANGES

Signature: Jeff Hilton Date: 2/28/24 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

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

## Part IX—Referenced Standards

### CHAPTER 44 REFERENCED STANDARDS

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**User notes:**

**About this chapter:** The *International 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.

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## AAMA

American Architectural Manufacturers Association  
1827 Walden Office Square, Suite 550 | 1900 E. Golf Road, Suite 1250  
Schaumburg, IL 60173

~~450-10~~ 450—20

Voluntary Performance Rating Method for Muller Fenestration Assemblies  
R609.8

~~506-11~~ 506—16

Voluntary Specifications for Hurricane Impact and Cycle Testing of Fenestration Products  
R609.6.1

~~711-13~~ 711—20

Voluntary Specification for Self-adhering Flashing Used for Installation of Exterior Wall Fenestration Products  
R703.4

~~712-11~~ 712—14

Voluntary Specification for Mechanically Attached Flexible Flashing  
R703.4

~~714-12~~ 714—20

Voluntary Specification for Liquid Applied Flashing Used to Create a Water-resistive Seal around Exterior Wall Openings in Buildings  
R703.4

~~AAMA/NSA 2100—12~~ AAMA/NSA 2100—20

Specifications for Sunrooms  
~~R302.2.1.1~~ R301.2.1.1.1

AAMA/WDMA/CSA 101/I.S.2/A440—11

North American Fenestration Standards/Specifications for Windows, Doors and Skylights  
R308.6.9, R609.3, N1102.4.4

AAMA/WDMA/CSA 101/I.S.2/A440—17

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

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## ACCA

**Manual D—2011**

**Residential Duct Systems**

M1601.1, M1602.2

**ANSI/ACCA 1 Manual D—2016**

**Residential Duct Systems**

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

**Manual J—2011**

**Residential Load Calculation**

M1401.3

**ANSI/ACCA 2 Manual J—2016**

**Residential Load Calculation**

N1103.7, M1401.3

**Manual S—13**

**Residential Equipment Selection**

M1401.3

**ANSI/ACCA 3 Manual S—2014**

**Residential Equipment Selection**

N1103.7, M1401.3

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## ACI

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

**318—14 318—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—14 332—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

**530—13 Building Code Requirements for Masonry Structures** ..... R404.1.2, R606.1, R606.1.1,  
R606.12.1, R606.12.2.3.2, R606.12.2.3.1, R703.12

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## AISI

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

**AISI S100—12 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—11~~ AISI S220—20

North American Standard for Cold-Formed Steel Nonstructural Framing, 2020  
R702.3.3

~~AISI S230—07/S3-12(2012)~~ AISI S230—18

Standard for Cold-Formed Steel Framing—Prescriptive Method for One- and Two-Family Dwellings, 2018  
R301.1.1, R301.2.2.7, R301.2.2.8, Figure 608.9(11), R608.9.2, R608.9.3, R608.10

AISI S240—20

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

~~AISI S200—12 North American Standard for Cold-formed Steel Framing—General Provisions 2012~~ .....  
... R702.3.3

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## AMCA

Air Movement and Control Association International  
30030 West University Drive  
Arlington Heights, IL 60004

ANSI/AMCA 210-ANSI/ASHRAE 51—07

Laboratory Methods of Testing Fans for Aerodynamic Performance Rating  
Table M1506.2

~~AMD—~~ Association of Millwork Distributors Standards

10047 Robert Trent Parkway  
New Port Richey, FL 34655-4649

Standard Referenced

reference in code  
number Title section number

~~AMD 100—2013 Structural Performance Ratings of Side Hinged Exterior Door Systems  
and Procedures for Component Substitution~~ .....

... R609.3

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## ANSI

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

~~A108.1A—99~~ A108.1A—19

Installation of Ceramic Tile in the Wet-set Method, with Portland Cement Mortar  
R702.4.1

~~A108.1B—99~~ A108.1B—19

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—99~~ A108.4—19

Installation of Ceramic Tile with Organic Adhesives or Water-Cleanable Tile-setting Epoxy Adhesive  
R702.4.1

~~A108.5—99~~ A108.5—19

Installation of Ceramic Tile with Dry-set Portland Cement Mortar or Latex Portland Cement Mortar  
R702.4.1

~~A108.6—99~~ A108.6—19

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

R702.4.1

~~A108.11—99~~ A108.11—10

**Interior Installation of Cementitious Backer Units**

R702.4.1

~~A118.1—99~~ A118.1—18

**American National Standard Specifications for Dry-set Portland Cement Mortar**

R702.4.1

~~A118.3—99~~ A118.3—20

**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—99~~ A118.4—18

**American National Standard Specifications for Modified Dry-Set Cement Mortar**

R606.2.1.1

~~A118.10—99~~ 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—99~~ A136.1—19

**American National Standard Specifications for Organic Adhesives for Installation of Ceramic Tile**

R702.4.1

~~A137.1—2012~~ 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, R802.1.2

**ANSI/CSA America FCI-2012**

**Stationary Fuel Cell Power Systems**

M1903.1

**LC1/CSA 6.26—13**

**Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)**

G2414.5.3

**LC4/CSA 6.32—12**

**Press-connect Metallic Fittings for Use in Fuel Gas Distribution Systems**

G2414.10.2

**Z21.1—2010**

**Household Cooking Gas Appliances**

G2447.1

**Z21.5.1/CSA 7.1—14**

**Gas Clothes Dryers—Volume I—Type I Clothes Dryers**

G2438.1

**Z21.8—94(R2002)**

**Installation of Domestic Gas Conversion Burners**

G2443.1

**Z21.10.1/CSA 4.1—12**

**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—11**

**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—11**

**Gas-fired Room Heaters—Volume II—Unvented Room Heaters**

G2445.1

**Z21.13/CSA 4.9—11**

**Gas-fired Low-pressure Steam and Hot Water Boilers**

G2452.1

**Z21.15/CSA 9.1—09**

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

Table G2420.1.1

**Z21.22—99 (R2003)**

**Relief Valves for Hot Water Supply Systems—with Addenda Z21.22a—2000 (R2003) and 21.22b—2001 (R2003)**

P2804.2, P2804.7

**Z21.24/CSA 6.10—06**

**Connectors for Gas Appliances**

G2422.1

**Z21.40.1/CSA 2.91—96(2011)**

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

G2449.1

**Z21.40.2/CSA 2.92—96(R2011)**

**Air-conditioning and Heat Pump Appliances (Thermal Combustion)**

G2449.1

**Z21.42—2014**

**Gas-fired Illuminating Appliances**

G2450.1

**Z21.47/CSA 2.3—12**

**Gas-fired Central Furnaces**

G2442.1

**Z21.50/CSA 2.22—12**

**Vented Gas Fireplaces**

G2434.1

**Z21.56/CSA 4.7—13**

**Gas-fired Pool Heaters**

G2441.1

**Z21.58—95/CSA 1.6—13**

**Outdoor Cooking Gas Appliances**

G2447.1

**Z21.60/CSA 2.26—12**

**Decorative Gas Appliances for Installation in Solid Fuel-burning Fireplaces**

G2432.1

**Z21.75/CSA 6.27—07**

**Connectors for Outdoor Gas Appliances and Manufactured Homes**

G2422.1

**Z21.80—11**

**Line Pressure Regulators**

G2421.1

**Z21.84—12**

**Manually Listed, Natural Gas Decorative Gas Appliances for Installation in Solid Fuel-burning Fireplaces**

G2432.1, G2432.2

**Z21.86—08**

**Gas-fired Vented Space Heating Appliances**

G2436.1, G2437.1, G2446.1

**Z21.88/CSA 2.33—14**

**Vented Gas Fireplace Heaters**

G2435.1

**Z21.91—07**

**Ventless Firebox Enclosures for Gas-fired Unvented Decorative Room Heaters**

G2445.7.1

**Z21.97—12**

**Outdoor Decorative Appliances**

G2454.1

**Z83.6—90 (R1998)**

**Gas-fired Infrared Heaters**

G2451.1

**Z83.8/CSA 2.6—09**

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

G2444.1

**Z83.19—01 (R2009)**

**Gas-fuel High-intensity Infrared Heaters**

G2451.1

**Z83.20—08**

**Gas-fired Low-intensity Infrared Heaters Outdoor Decorative Appliances**

G2451.1

**Z97.1—2014**

**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—2012 ~~ANSI/A190.1—2017~~**

**Structural Glued-laminated Timber**

R502.1.3, R602.1.3, R802.1.2

**ANSI/APA PRG 320—2012 ~~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—2008 ~~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—2014 ~~ANSI/APA PRR 410—2016~~**

**Standard for Performance-rated Engineered Wood Rim Boards**

R502.1.6, 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—11 ~~APA E30—19~~**

**Engineered Wood Construction Guide**

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

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## APSP

~~The Association of Pool & Spa Professionals~~ Pool & Hot Tub Alliance (formerly the Association of Pool & Spa Professionals)  
~~2114~~ 211 ~~Eisenhower Avenue~~ Avenue, Suite 500  
~~Alexandria, Alexander, VA 22314~~

**ANSI/APSP/ICC 15a—2013**

**American National Standard for Residential Swimming Pool and Spa Energy Efficiency**

N1103.12

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## ASCE/SEI

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

~~5—13 Building Code Requirements for Masonry Structures~~ ..... R404.1.2, R606.1, R606.1.1, R606.12.1,  
R606.12.2.3.1, R606.12.2.3.2, R606.12.3.1, R703.12

~~6—13 Specification for Masonry Structures~~ ..... R404.1.2, R606.1, R606.1.1, R606.2.9,  
R606.2.12, R606.12.1, R606.12.2.3.1, R606.12.2.3.2,  
R606.12.3.1, R703.12

**~~7—10~~ 7—16 with Supplement 1**

**Minimum Design Loads and Associated Criteria for Buildings and Other Structures**

Table R608.7(1A), Table R608.7(1B), Table R608.7(1C), R301.2.1.1, R301.2.1.2, R301.2.1.2.1,  
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, Table R4502, Table R301.2.1(1), Table R301.2(6), NCA103.3

24—14

**Flood-resistant Design and Construction**

R301.2.4, R301.2.4.1, R322.1, R322.1.1, R322.1.6, R322.2.2,

32—01

**Design and Construction of Frost-protected Shallow Foundations**

# ASHRAE

American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc. ASHRAE  
1791 Tullie Circle, NE180 Technology Parkway NW  
Atlanta, Peachtree Corners, GA 3032930092

ASHRAE 34—2019

**Designation and Safety Classification of Refrigerants**

M1411.1

ASHRAE—2013

**ASHRAE Handbook of Fundamentals**

N1102.1.5, Table N1105.5.2(1), ~~P3001.2, P3101.4~~

ASHRAE—2017

ASHRAE Handbook of Fundamentals

P3001.2, P3101.4

# ASME

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

~~ASME/A17.1/~~

~~CSA B44—2013 Safety Code for Elevators and Escalators ..... R321.1~~

~~A18.1—08~~ A18.1—2020

**Safety Standard for Platforms and Stairway Chair Lifts**

R321.2

~~A112.1.2—2004~~ A112.1.2—2012(R2022)

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

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

~~A112.1.3—2000~~ A112.1.3—2000 (Reaffirmed 2020)

**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~~ A112.3.1—2007(R2022)

**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,

~~A112.3.4—2013/CSA B45.9—13~~ A112.3.4—2020/CSA B45.9—20

**Macerating Toilet Systems and Related Components**

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

~~A112.4.1—2009~~ A112.4.1—2019

**Water Heater Relief Valve Drain Tubes**

P2804.6.1

~~A112.4.2—2009~~ Water-closet Personal Hygiene Devices ..... P2722.5

~~A112.4.3—1999~~ A112.4.3—1999(R2020)

**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**

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

~~A112.4.14—2004~~ A112.4.14—2004(R2019)

**Manually Operated Valves for Use in Plumbing Systems**

Table P2903.9.4

**A112.6.1M—1997 (R2008) Floor-affixed Supports for Off-the-floor Plumbing Fixtures for Public Use.**

P3003.14.2

~~A112.6.2—2000~~ A112.6.2—2022

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

Table P2701.1, P2702.4

~~A112.6.3—2001~~ A112.6.3—2019

**Floor and Trench Drains**

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

~~A112.14.1—03~~ A112.14.1—03(2022)

**Backwater Valves**

P3008.3

~~A112.18.1—2012/CSA B125.1—2012~~ A112.18.1—2020/CSA B125.1—2020

**Plumbing Supply Fittings**

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

~~A112.18.2—2011/CSA B125.2—2011~~ A112.18.2—2019/CSA B125.2—2019

**Plumbing Waste Fittings**

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

~~A112.18.3M—2002~~ A112.18.3M—2002(R2020)

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

P2708.5, P2722.3

~~A112.18.6—2009/CSA B125.6—2009~~ A112.18.6—2021/CSA B125.6—21

**Flexible Water Connectors**

P2906.7

~~A112.19.1—2013/CSA B45.2—2013~~ A112.19.1—2020/CSA B45.2—2020

**Enameled Cast-iron and Enameled Steel Plumbing Fixtures**

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

~~A112.19.2—2013/CSA B45.1—2013~~ A112.19.2—2020/CSA B45.1—2020

**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—2008/CSA B45.4—08~~ A112.19.3—2021/CSA B45.4—08(R2021)

**Stainless Steel Plumbing Fixtures**

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

~~A112.19.5—2011/CSA B45.15—2011~~ A112.19.5—2021/CSA B45.15—2021

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

Table P2701.1

~~A112.19.7—2012/CSA B45.10—2012~~ A112.19.7—2012/CSA B45.10—2012(R2021)

**Hydromassage Bathtub Systems**

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

~~A112.19.12—2006~~ A112.19.12—2019

**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—2006~~ A112.19.14—2013(R2018)

**Six-Liter Water Closets Equipped with Dual Flushing Device**

P2712.1

~~A112.19.15—2005~~ A112.19.15—2012(R2017)

**Bathtub/Whirlpool Bathtubs with Pressure-sealed Doors**

Table P2701.1, P2713.2

~~A112.36.2M—1991~~ 112.36.2M—1991(R2017)

**Cleanouts**

P3005.2.10.3

~~ASME A17.1—2013/CSA B44—2013~~ ASME A17.1—2019/CSA B44—2019

**Safety Code for Elevators and Escalators**

R321.1, R321.4

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M2001.1.1, G2452.1

**CSD-1—2018**

**Controls and Safety Devices for Automatically Fired Boilers**

M2001.1.1, G2452.1

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# ASSE

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

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**Performance Requirements for Water-temperature-limiting Devices**

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# ASTM

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**A36/A36M—08 A36/A36M—14**

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**Specification for Copper Brazed Steel Tubing**

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**A653/A653M—11**

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~~A924M—13~~ A924M—2017A

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~~A1003/A1003M—13A~~ A1003/A1003M—15

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~~B42—10~~

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~~B42—10~~ B42—2015A

**Specification for Seamless Copper Pipe, Standard Sizes**  
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~~B43—09~~

**Specification for Seamless Red Brass Pipe, Standard Sizes**  
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~~B43—09~~ B43—15

**Specification for Seamless Red Brass Pipe, Standard Sizes**  
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~~B75/B75M—11~~

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~~B88—09~~ B88—2016

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**B135M—10**

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~~B209—10~~ **B209—14**

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Table 905.10.3(1)

**B251/B251M—10**

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~~B251/B251M—10~~ **B251/B251M—2017**

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

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

**B302—12**

**Specification for Threadless Copper Pipe, Standard Sizes**

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

~~B302—12~~ **B302—2017**

**Specification for Threadless Copper Pipe, Standard Sizes**

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

**B306—09**

**Specification for Copper Drainage Tube (DWV)**

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

~~B306—09~~ **B306—13**

**Specification for Copper Drainage Tube (DWV)**

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**B370—12**

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~~B813—2010~~ **B813—2016**

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

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**B828—02(2010)**

**Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings**  
M2103.3, P2906.15, P3003.6.3

**~~B828—02(2010)~~ B828—2016**

**Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings**  
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**~~C4—2009~~ C4—2004(2018)**

**Specification for Clay Drain Tile and Perforated Clay Drain Tile**

**~~C5—10~~ C5—2018**

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**~~C14—11~~ C14—15a**

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**~~C22/C22M—00(2010)~~ C22/C22M—2015**

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**~~C27—1998(2008)~~ C27—1998(2018)**

**Specification for Standard Classification of Fireclay and High-alumina Refractory Brick**  
R1001.5

**~~C28/C28M—10~~ C28/C28M—10(2015)**

**Specification for Gypsum Plasters**  
R702.2.1

**~~C33/C33M—13~~ C33/C33M—2018**

**Specification for Concrete Aggregates**  
R403.4.1

**~~C34—12~~ C34—2017**

**Specification for Structural Clay Load-bearing Wall Tile**  
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**~~C35/C35M—1995(2009)~~ C35/C35M—(2014)**

**Specification for Inorganic Aggregates for Use in Gypsum Plaster**  
R702.2.1

**~~C55—2011~~ C55—2017**

**Specification for Concrete Building Brick**  
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**~~C56—12~~ C56—2013(2017)**

**Standard Specification for Structural Clay Nonloadbearing Tile**  
R606.2.2

**~~C59/C59M—00(2011)~~ C59/C59M—00(2015)**

**Specification for Gypsum Casting Plaster and Molding Plaster**  
R702.2.1

**~~C61/C61M—00(2011)~~ C61/C61M—00(2015)**

**Specification for Gypsum Keene's Cement**

R702.2.1

~~C62—2013~~ C62—2017

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

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~~C73—2010~~ C73—2017

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~~C76—13A~~ C76—2018A

**Specification for Reinforced Concrete Culvert, Storm Drain and Sewer Pipe**

Table P3002.2

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ASTM—continued

~~C90—2013~~ C90—2016A

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~~C94/C94M—2013~~ C94/C94M—2017A

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~~C126—2013~~ C126—2017

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~~C143/C143M—12~~ C143/C143M—15A

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C145—85

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~~C150/C150M—2012~~ C150/C150M—2018

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

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~~C199—1984(2011)~~ C199—1984(2016)

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~~C207—06(2011)~~ C207—2018

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~~C208—2012~~ C208—2012(2017)E1

Specification for Cellulosic Fiber Insulating Board

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~~C212—2010~~ C212—2017

Standard Specification for Structural Clay Facing Tile

R606.2.2

~~C216—2013~~ C216—2017A

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

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~~C270—12A~~ C270—14A

**Specification for Mortar for Unit Masonry**

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**Specification for Clay Flue Liners and Chimney Pots**

G2425.12

C315—2007(2016)

**Specification for Clay Flue Liners and Chimney Pots**

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**Specifications for Roofing Slate**

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~~C411—11~~

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**Specification for Compression Joints for Vitrified Clay Pipe and Fittings**

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

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~~€475M—2012~~ C475M—2017

**Specification for Joint Compound and Joint Tape for Finishing Gypsum Wallboard**

R702.3.1

~~€476—2010~~ C476—2018

**Specification for Grout for Masonry**

R606.2.12

~~€503M—2010~~ C503M—2015

**Standard Specification for Marble Dimension Stone**

R606.2.4

~~€514—04(2009)~~ C514—04(2014)

**Specification for Nails for the Application of Gypsum Wallboard**

R702.3.1

~~€552—12b~~ C552—2017E1

**Standard Specification for Cellular Glass Thermal Insulation**

Table R906.2

~~€557—2003(2009)~~ C557—2003(2017)

**Specification for Adhesives for Fastening Gypsum Wallboard to Wood Framing**

R702.3.1 R702.3.1.1

~~€564—12~~ C564—14

**Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings**

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~~C568M—2010~~ C568M—2015

Standard Specification for Limestone Dimension Stone

R606.2.4

~~C578—2012b~~ C578—2018

Specification for Rigid, Cellular Polystyrene Thermal Insulation

R316.8, Table 703.8.4(2), Table R703.15.1, Table R703.15.2,  
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~~C587—2004(2009)~~ C587—2004(2018)

Specification for Gypsum Veneer Plaster

R702.2.1

~~C595/C595M—2013~~ C595/C595M—2018

Specification for Blended Hydraulic Cements

R608.5.1.1, R702.2.2, R703.7.2

~~C615/C615M—2011~~ C615/C615M—2018E1

Standard Specification for Granite Dimension Stone

R606.2.4

~~C616/C616M—2010~~ C616/C616M—2015

Standard Specification for Quartz-based Dimension Stone

R606.2.4

~~C629/C629M—2010~~ C629/C629M—2015

Standard Specification for Slate Dimension Stone

R606.2.4

~~C631—09~~ C631—09(2014)

Specification for Bonding Compounds for Interior Gypsum Plastering

R702.2.1

~~C645—2013~~ C645—2018

Specification for Nonstructural Steel Framing Members

~~C652—2013~~ C652—2017A

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

R202, Table R301.2, R606.2.2

~~C685/C685M—2011~~ C685/C685M—2017

Specification for Concrete Made by Volumetric Batching and Continuous Mixing

R404.1.3.3.2, R608.5.1.2

~~C700—2013~~ C700—2018

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

Table P3002.2, Table P3002.3

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Standard Specification for Mineral Wool Roof Insulation Board

Table R906.2

~~C728—05(2013)~~ C728—2017A

Standard Specification for Perlite Thermal Insulation Board

Table R906.2

~~C744—11~~ C744—2016

**Standard Specification for Prefaced Concrete and Calcium Silicate Masonry Units**

R606.2.1

~~C836/C836M—12~~ 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—99(2012)~~ C843—2017

**Specification for Application of Gypsum Veneer Plaster**

R702.2.1

~~C844—04(2010)~~ C844—2015

**Specification for Application of Gypsum Base to Receive Gypsum Veneer Plaster**

R702.2.1

~~C847—12~~ C847—2018

**Specification for Metal Lath**

R702.2.1, R702.2.2

~~C887—05(2010)~~ C887—13

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

R406.1, R606.2.9

~~C897—05(2009)~~ C897—15

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

R702.2.2

~~C920—11~~ C920—2018

**Standard Specification for Elastomeric Joint Sealants**

R406.4.1

~~C926—13~~ 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

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~~C933—2013~~ C933—2018

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

~~C946—2010~~ C946—2018

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

~~C954—2011~~ 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

R702.3.5.1

~~C955—11C Specification for Load-bearing (Transverse and Axial) Steel Studs, Runners (Tracks), and Bracing or Bridging for Screw Application of Gypsum Panel Products and Metal Plaster Bases~~

~~R702.3.3~~

~~C957/C957M—2010~~ C957/C957M—2017

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

R905.15.2

~~C1002—2007~~ 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—13~~ C1029—15

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

~~C1032—06(2011)~~ C1032—2018

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

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

~~C1063—2012D~~ 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—2013~~ C1088—2018

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

~~C1107/C1107M—2013~~ C1107/C1107M—2017

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

~~C1116/C116M—10A~~ C1116/C116M—10(2015)

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

~~C1157—11/C1157M—2011~~ C1157—11/C1157M—2017

**Standard Performance Specification for Hydraulic Cement**

R608.5.1.1, R703.7.2

~~C1167—2011~~ C1167—2011(2017)

**Specification for Clay Roof Tiles**

R905.3.4

~~C1173—2010e1~~ 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—2008~~ C1177/C1177M—2017

**Specification for Glass Mat Gypsum Substrate for Use as Sheathing**

R702.3.1, Table 906.2

~~C1178/C1178M—2011~~ C1178/C1178M—2018

**Specification for Glass Mat Water-resistant Gypsum Backing Panel**

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

~~C1186—2008(2012)~~ C1186—2008(2016)

**Specification for Flat Fiber Cement Sheets**

R703.10.1, R703.10.2

~~C1261—2010~~ C1261—2013(2017)E1

**Specification for Firebox Brick for Residential Fireplaces**

R1001.5, R1001.8

~~C1277—2012~~ C1277—2018

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

P3003.4.3

~~C1278/C1278M—2007a(2011)~~ C1278/C1278M—2017

**Specification for Fiber-reinforced Gypsum Panels**

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

C1280—18

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

R602.3(1)

~~C1283—2011~~ C1283—2015

**Practice for Installing Clay Flue Lining**

R1003.9.1, R1003.12

~~C1288—99(2010)~~ 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

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~~C1289—2013e1~~ C1289—2018

Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board

R316.8, Table R703.15.1, Table R703.15.2, Table R906.2

~~C1325—2008b~~ 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—2010B~~ C1364—2017

Standard Specification for Architectural Cast Stone

R606.2.5

~~C1396/C1396M—2013~~ C1396/C1396M—2017

Specification for Gypsum Board

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

~~C1405—2012~~ C1405—2016

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

R606.2.2

~~C1440—2008~~ C1440—2017

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

P3003.13

~~C1460—2008~~ C1460—2017

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

P3003.13

~~C1461—2008~~ 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(2009)~~ C1492—2003(2016)

Specification for Concrete Roof Tile

R905.3.5

~~C1513—2013~~ C1513—2018

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

R702.3.5.1, Table R703.3(2)

~~C1540—2011~~ C1540—2018

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

P3003.4.3

~~C1634—2011~~ C1634—2017

**Standard Specification for Concrete Facing Brick**

R606.2.1

**C1658/C1658M—2012 C1658/C1658M—2018**

**Standard Specification for Glass Mat Gypsum Panels**

R702.3.1

**C1668—12**

**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—2005 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(2006) D43/D43M—2000(2018)**

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

Table R905.9.2

**D226/D226M—2009 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

**D227/D227M—2003(2011) D227/D227M—2003(2018)**

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

Table R905.9.2

ASTM—continued

~~D312/D312M—00(2006)~~ 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(2008)~~ D449/D449M—03(2014)E1

Specification for Asphalt Used in Dampproofing and Waterproofing

R406.2

~~D450/D450M—2007~~ D450/D450M—2017(2018)

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

Table R905.9.2

~~D1227—95~~ D1227—13

Specification for Emulsified Asphalt Used as a Protective Coating for Roofing

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

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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

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~~D1693—13~~ 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—12~~ D1785—15E1

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

Table P2906.4

~~D1863/D1863M—2005(2011)~~ D1863/D1863M—2005(2018)

Specification for Mineral Aggregate Used in Built-up Roofs

Table R905.9.2

~~D1869—95(2010)~~ D1869—15

Specification for Rubber Rings for Fiber-Reinforced Cement Pipe

P2906.18, P3003.13

~~D1970/D1970M—2013~~ 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—04~~ D2178/D2178M—15A

Specification for Asphalt Glass Felt Used in Roofing and Waterproofing

Table R905.9.2

~~D2235—2004(2011)~~ D2235—2004(2016)

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

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—09~~ D2241—15

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

Table P2906.4

D2282—99(2005)

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

Table P2906.4

D2412—11

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

~~D2464—06~~ D2464—15

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

Table P2906.6

~~D2466—06~~ D2466—2017

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

Table P2906.6

~~D2467—06~~ D2467—15

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

Table P2906.6

D2468—96a

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

Table P2906.6

D2513—2013e1

Specification for Thermoplastic Gas Pressure Pipe, Tubing and Fittings

Table M2101.1, G2414.6, G2414.6.1, G2414.11, G2415.17.2

~~D2564—2012~~ D2564—2012(2018)

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

P2906.9.1.4, P3003.9.2

~~D2609—02(2008)~~ 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**

**Standard Practice for Heat Fusion-joining of Polyolefin Pipe Fittings**

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

**~~D2657—2007~~ D2657—2007(2015)**

**Standard Practice for Heat Fusion-joining of Polyolefin Pipe Fittings**

P2906.3.1, P2906.20.2, P3003.12.1

**~~D2661—11~~ 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—12~~ 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—96a(2009)~~ 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 P3002.2

**D2683—2010e1**

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

Table M2105.5, M2105.11.1, ~~P2906.20.2, P3002.3, P3010.5~~

**~~D2683—2010e1~~ D2683—14**

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

P2906.20.2, P3002.3, P3010.5

**~~D2729—2011~~ 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 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—2006(2012)e1~~ 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—2009BE1~~

Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-water Distribution Systems  
Table M2101.1, Table P2906.4, Table P2906.5, Table P2906.6, P2906.9.1.2, P2906.9.1.3

~~D2846/D2846M—2009BE1~~ D2846/D2846M—2017BE1

Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-water Distribution Systems  
Table P2906.4, Table P2906.5, Table P2906.6, P2906.9.1.2, P2906.9.1.3

~~D2855—96(2010)~~ D2855—2015

Standard Practice for Making Solvent-cemented Joints with Poly (Vinyl Chloride) (PVC) Pipe and Fittings  
P3003.9.2

~~D2898—2010~~ 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  
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~~D3019/D3019—08~~ 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—08~~ D3034—2016

Specification for Type PSM Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings  
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~~D3035—2012e1~~

Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter  
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~~D3138—04(2011)~~

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—2013~~ 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, R905.16.6, R905.4.4.1, Table R905.4.4.1

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

~~D3212—07~~ 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—2012~~

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, ~~P2906.20.2~~

~~D3261—2012~~ D3261—2016

Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing  
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—2011~~ D3311—2017

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

D3350—2012e1

Specification for Polyethylene Plastic Pipe and Fitting Materials

D3462/D3462M—10A

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

~~D3468/D3468M—99(2006)E1~~ D3468/D3468M—99(2013)E1

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

~~D3679—2011~~ D3679—2017

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

~~D3737—2012~~ 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—97b(2012)e1~~ 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—2009~~ D4068—2017

Specification for Chlorinated Polyethylene (CPE) Sheeting for Concealed Water Containment Membrane  
P2709.2, P2709.2.2

~~D4318—2010~~ D4318—2017E1

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

~~D4434/D4434M—2012~~ D4434/D4434M—2015

Specification for Poly (Vinyl Chloride) Sheet Roofing  
R905.13.2

~~D4479/D4479M—2007~~ D4479/D4479M—2007(2018)

Specification for Asphalt Roof Coatings—*asbestos-free*  
Table R905.9.2

~~D4551—2012~~ D4551—2017

Specification for Poly (Vinyl Chloride) (PVC) Plastic Flexible Concealed Water-containment Membrane  
P2709.2, P2709.2.1

~~D4586/D4586M—2007(2012)e1~~ D4586/D4586M—2007(2018)

Specification for Asphalt Roof Cement—*asbestos-free*  
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~~D4601/D4601M—04(2012)e1~~

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~~D4637/D4637M—2013~~ D4637/D4637M—2015

Specification for EPDM Sheet Used in Single-ply Roof Membrane  
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~~D4829—11~~

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~~D4869/D4869M—05(2011)e1~~ D4869/D4869M—2016A

Specification for Asphalt-saturated (Organic Felt) Underlayment Used in Steep Slope Roofing  
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~~D4897/D4897M—01(2009)~~ D4897/D4897M—2016

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~~D4990—1997a(2005)~~ D4990—1997a(2013)

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~~D5055—2013~~ D5055—2016

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~~D5456—2013~~ D5456—2018

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R502.1.5, R602.1.5, R802.1.4

~~D5516—09~~ D5516—2018

Test Method for Evaluating the Flexural Properties of Fire-retardant-treated Softwood Plywood Exposed to the Elevated Temperatures  
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~~D5643/D5643M—2006(2012)e1~~ D5643/D5643M—2006(2018)

Specification for Coal Tar Roof Cement *Asbestos-free*  
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~~D5664—2010~~ D5664—2017

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~~D5665/D5665M—99a(2006)E1~~ D5665/D5665M—99a(2014)E1

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

Table R905.9.2

~~D5726—98(2005)~~ D5726—98(2013)

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

Table R905.9.2

~~D6083/D6083M—05e01~~ D6083/D6083M—2018

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

~~D6162/D6162M—2000a~~ 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—2000(2008)~~ D6163/D6163M—2016

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

Table R905.11.2

~~D6164/D6164M—2011~~ D6164/D6164M—2016

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

Table R905.11.2

~~D6222/D6222M—2011~~ D6222/D6222M—2016

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

Table R905.11.2

~~D6223/D6223M—02(2011)e1~~ 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—05e1~~ 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~~ D6305—08(2015)E1

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

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D6464—2003A(2017)

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

R702.3.1.1

~~D6694/D6694M—08~~ D6694/D6694M—2015

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

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

R905.13.2

~~D6757/D6757M—2013~~ D6757/D6757M—2018

**Specification for Underlayment Felt Containing Inorganic Fibers Used with Steep Slope Roofing**

R905.1.1, Table R905.1.1(1)

~~D6841—08~~ D6841—2016

**Standard Practice for Calculating Design Value Treatment Adjustment Factors for Fire-retardant-treated Lumber**

R802.1.5.7

~~D6878/D6878M—11a~~ D6878/D6878M—2017

**Standard Specification for Thermoplastic-polyolefin-based Sheet Roofing**

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~~D6947/D6947M—07~~ 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

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**Standard Specification for Establishing Performance Ratings for Wood-plastic Composite Deck Boards and Guardrail Systems (Guards or Handrails)**

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**Standard Specification for Polypropylene (PP) Siding**

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**Standard Specification for Spray Polyurethane Foam Used for Roofing Application**

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**Standard Specification for Evaluating Structural Capacities of Rim Board Products and Assemblies**

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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, R703.14.3, R802.1.5, P2801.6

**E96/E96M—2013**

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R202, Table R610.3.1, M1411.6, M1601.4.6

**E96/E96M—2016**

**Test Method for Water Vapor Transmission of Materials**

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**Test Methods for Fire Tests of Roof Coverings**

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**Test Methods for Fire Tests of Building Construction and Materials**

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

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

R202

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

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**E331—2000(2009) E331—2000(2016)**

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

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**E779—10**

**Standard Test Method for Determining Air Leakage Rate by Fan Pressurization**

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**Standard Test Method for Fire Tests of Penetration Firestop Systems**

R302.4.1.2

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

R302.10.5

**E1509—12**

**Standard Specification for Room Heaters, Pellet Fuel-burning Type**

M1410.1

~~E1602—2003(2012)e1~~ E1602—2003(20117)

Guide for Construction of Solid Fuel Burning Masonry Heaters

R1002.2

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

R506.2.3

E1827—11

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

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~~E1886—05~~ 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,

~~E1996—2012a~~ 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

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E2231—09

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

M1601.3

~~E2273—03(2014)~~ 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

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

R703.2, R703.7.3.1

~~E2568—09e1~~ E2568—2017A

Standard Specification for PB Exterior Insulation and Finish Systems

R703.9.1, R703.9.2

~~E2570/E2570M—07~~ 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—11~~ 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**

~~F409—2012~~ F409—2017

**Specification for Thermoplastic Accessible and Replaceable Plastic Tube and Tubular Fittings**

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**Specification for Threaded Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80**

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**Specification for Socket-type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40**

Table P2906.6

~~F439—12~~ F439—13

**Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80**

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~~F441/F441M—13~~ F441/F441M—15

**Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80**

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**Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR)**

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**Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe**

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Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings  
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~~F656—10~~ F656—2015

Specification for Primers for Use in Solvent Cement Joints of Poly (Vinyl Chloride) (PVC) Plastic Pipe and Fittings  
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F714—13

Specification for Polyethylene (PE) Plastic Pipe (SDR-PR) Based on Outside Diameter  
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F844—07a(2013)

Standard Specification for Washers, Steel, Plain (Flat), Unhardened for General Use  
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F876—2013

Specification for Cross-linked Polyethylene (PEX) Tubing  
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~~F876—2013~~ F876—2017

Specification for Cross-linked Polyethylene (PEX) Tubing  
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F877—11A

Specification for Cross-linked Polyethylene (PEX) Plastic Hot- and Cold-water Distribution Systems  
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~~F877—11A~~ F877—2018A

Specification for Cross-linked Polyethylene (PEX) Plastic Hot- and Cold-water Distribution Systems  
Table P2906.6

~~F891—2010~~ 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—2013

Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene Pipe and Tubing  
Table M2105.5, M2105.11.2, P2906.20.2

~~F1055—2013~~ F1055—2016A

Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene Pipe and Tubing  
P2906.20.2

F1281—2011

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

~~F1281—2011~~ F1281—2017

**Specification for Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Pressure Pipe**  
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**F1282—2010**

**Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe**  
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~~F1282—2010~~ **F1282—2017**

**Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe**  
Table P2906.4, Table P2906.5, Table P2906.6, P2906.12.1

~~F1412—2009~~ **F1412—2016**

**Specification for Polyolefin Pipe and Fittings for Corrosive Waste Drainage**  
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~~F1488—09E1~~ **F1488—14E1**

**Specification for Coextruded Composite Pipe**  
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**Standard Specification for Folded Poly (Vinyl Chloride) (PVC) for Existing Sewer and Conduit Rehabilitation**  
P3011.4

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**Specification for Anchor Bolts, Steel, 36, 55 and 105-ksi Yield Strength**  
R608.5.2.2

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**Specification for Driven Fasteners, Nails, Spikes and Staples**  
R317.3, 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

**F1807—2013**

**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 P2906.6~~

~~F1807—2013~~ **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 P2906.6

~~F1866—2007~~ **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**  
P3011.4

**F1924—12**

**Standard Specification for Plastic Mechanical Fittings for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing**  
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**F1960—2012**

**Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing**  
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**~~F1960—2012~~ F1960—2018**

**Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing**  
Table P2906.6

**F1970—12**

**Standard Specification for Special Engineered Fittings, Appurtenances or Valves for Use in Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) Systems**  
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**F1973—08**

**Standard Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) and Polyamide 11 (PA 11) Fuel Gas Distribution Systems**  
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**Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Composite Pressure Pipe**  
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**F2080—2012**

**Specification for Cold-expansion Fittings with Metal Compression-sleeves for Cross-linked Polyethylene (PEX) Pipe**  
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**~~F2080—2012~~ F2080—2016**

**Specification for Cold-expansion Fittings with Metal Compression-sleeves for Cross-linked Polyethylene (PEX) Pipe**  
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**Specification for Window Fall Prevention Devices with Emergency Escape (Egress) Release Mechanisms**  
R310.1.1, R312.2.1, R312.2.2

**F2098—2008**

**Standard Specification for Stainless Steel Clamps for Securing SDR9 Cross-linked Polyethylene (PEX) Tubing to Metal Insert and Plastic Insert Fittings**  
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**~~F2098—2008~~ F2098—2015**

**Standard Specification for Stainless Steel Clamps for Securing SDR9 Cross-linked Polyethylene (PEX) Tubing to Metal Insert and Plastic Insert Fittings**  
Table P2906.6

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**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**  
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**F2262—09**

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Table P2906.4, Table P2906.5, Table P2906.6, P2906.11.1

**F2434—09**

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

Table M2105.5

~~F2434—09~~ **F2434—14**

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

Table P2906.6

**F2623—08**

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

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**F2735—2009**

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

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~~F2735—2009~~ **F2735—2009(2016)**

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

Table P2906.6

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

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**F2806—10**

**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**

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**F2969—12**

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

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

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~~ANSI/AWC NDS—2015~~ 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—2015~~ ANSI/AWC PWF—2021

**Permanent Wood Foundation Design Specification**

R317.3.2, R401.1, R404.2.3

~~ANSI/AWC WFCM—2015~~ 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, R608.9.2, R608.9.3, R608.10. Table R4505(d)

~~AWC STJR—2015~~ AWC STJR—2021

**Span Tables for Joists and Rafters**

R502.3, R802.4.1, R802.5.1

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## 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—11~~ **M4—15**

**Standard for the Care of Preservative-treated Wood Products**

~~U1—14~~ **U1—20**

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

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## 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**

M2103.3, M2202.2, P2906.15

~~C104/A21.4—08~~ 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, Table P3002.3

C115/A21.15—11

**Flanged Ductile-iron Pipe with Ductile-iron or Gray-iron Threaded Flanges**  
Table P2906.4

~~C151/A21.51—09~~ C151/A21.51—17

**Ductile-iron Pipe, Centrifugally Cast, for Water**  
Table P2906.4

C150/A21.50—14

**Thickness Design of Ductile-Iron Pipe**  
Table P3002.2

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—10~~ C504—15

**Standard for Rubber-seated Butterfly Valves**  
Table P2903.9.4

~~C507—11~~ 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

~~C511—07~~ 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—08

**Polyethylene (PE) Pressure Pipe and Tubing  $\frac{1}{2}$  in. (13 mm) through 3 in. (76 mm) for Water Service**  
Table M2105.4

~~C901—08~~ C901—16

Polyethylene (PE) Pressure Pipe and Tubing 1/2 in. (13 mm) through 3 in. (76 mm) for Water Service  
P2906.4

C903—05

Polyethylene-aluminum-polyethylene (PE-AL-PE) & Crosslinked Polyethylene Composite Pressure Pipe, 1/2 in. (12 mm) through 2 in. (50 mm), for Water Service  
Table M2101

~~C904—06~~ C904—16

Cross-linked Polyethylene (PEX) Pressure Tubing, 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, R1002.5

# CGSB

Canadian General Standards Board

Place du Portage 111, 6B1  
11 Laurier Street  
Gatineau, Quebec, Canada K1A 1G6

Standard Referenced

reference in code

number Title section number

~~CAN/CGSB 37.54—95 Polyvinyl Chloride Roofing and Waterproofing Membrane~~..... R905.13.2

~~37 GP 52M—(1984) Roofing and Waterproofing Membrane, Sheet Applied, Elastomeric~~..... R905.12.2

~~37 GP 56M—(1980) Membrane, Modified Bituminous, Prefabricated and Reinforced for Roofing with December 1985 Amendment~~..... Table

R905.11.2

# CISPI

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

~~301—04a~~ 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,

~~310—04~~ 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—2009~~ 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, R703.5

**ANSI A135.6—2012**

**Engineered Wood Siding**

**ANSI A135.7—2012**

**Engineered Wood Trim**

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## 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

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## CSA

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

**A112.18.6—2021/CSA B125.6—2021**

**Flexible Water Connectors**

P2906.7

~~**A112.19.5—2011/CSA B45.15—2011**~~ **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**~~ **A112.19.7—2012/CSA B45.10—2012(R2021)**

**Hydromassage Bathtub Systems**

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

~~A257.2—09 A257.2—14~~

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

Table P3002.2,

~~A257.3—09 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—11**

**North American Fenestration Standard/Specification for Windows, Doors and Unit Skylights**

~~R308.6.9, R609.3~~, N1102.4.4

**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

**ANSI/CSA America FC I—2012**

**Stationary Fuel Cell Power Systems**

M1903.1

**CSA C448 Series-02-CAN/CSA—2002**

**Design and Installation of Earth Energy Systems—First Edition; Update 2: October 2009; Consolidated Reprint 10/2009**

Table M2105.4, Table M2105.5

~~ASME A17.1/CSA B44—2013 ASME A17.1/CSA B44—2019~~

**Safety Code for Elevators and Escalators**

R321.1, R321.4

~~ASME A112.3.4—2013/CSA B45.9—13 ASME A112.3.4—2013/CSA B45.9—18~~

**Macerating Toilet Systems and Related Components**

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

**ASME A112.4.2—2015/CSA B45.16—15**

**Water-closet Personal Hygiene Device**

P2722.5

~~ASME A112.18.1—2012/CSA B125.1—2012 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—2011/CSA B125.2—2011 ASME A112.18.2—2019/CSA B125.2—2019~~

**Plumbing Waste Fittings**

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

~~ASME A112.19.1—2013/CSA B45.2—13 ASME 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

~~ASME A112.19.2—2013/CSA B45.1—13 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, P2713.4, P2714.3, P2715.2, P2721.3

~~ASME A112.19.3—2008/CSA B45.4—08(R2013) ASME 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

**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—2011/ASME 112.1016—2011/CSA B125.16—2011 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—2015/ASME A112.1070—2015/CSA B125.70—15**

**Performance Requirements for Water-temperature-limiting Devices**

P2713.3, P2721.2.

**B44—2013 B44—2019**

**Safety Code for Elevators and Escalators**

R321.1

DRAFT

CSA—continued

~~B64.1.1~~—11 B64.1.1—11(R2016)

Vacuum Breakers, Atmospheric Type (AVB)  
Table P2902.3, P2902.3.2

~~B64.1.2~~—11 B64.1.2—11(R2016)

Pressure Vacuum Breakers (PVB)  
Table P2902.3, P2902.3.4

~~B64.1.3~~—11 B64.1.3—11(R2016)

Spill Resistant Pressure Vacuum Breakers (SRPVB)  
Table P2902.3

~~B64.2~~—11 B64.2—11(R2016)

Vacuum Breakers, Hose Connection Type (HCVB)  
Table P2902.3, P2902.3.2

~~B64.2.1~~—11 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 B64.2.1.1—11(2016)

Hose Connection Dual Check Vacuum Breakers (HCDVB)  
Table P2902.3, P2902.3.2

~~B64.2.2~~—11 B64.2.2—11(2016)

Vacuum Breakers, Hose Connection Type (HCVB) with Automatic Draining Feature  
Table P2902.3, P2902.3.2

~~B64.3~~—11 B64.3—11(2016)

Dual Check Backflow Preventers with Atmospheric Port (DCAP)  
Table P2902.3, P2902.3.3, P2902.5.1

~~B64.4~~—11 B64.4—11(2016)

Backflow Preventers, Reduced Pressure Principle Type (RP)  
Table P2902.3, P2902.3.5, P2902.5.1

~~B64.4.1~~—11 B64.4.1—11(2016)

Reduced Pressure Principle for Fire Sprinklers (RPF)  
Table P2902.3, P2902.3.5

~~B64.5~~—11 B64.5—11(2016)

Double Check Backflow Preventers (DCVA)  
Table P2902.3, P2902.3.6

~~B64.5.1~~—11 B64.5.1—11(2016)

Double Check Valve Backflow Preventers, Type for Fire Systems (DCVAF)  
Table P2902.3, P2902.3.6

~~B64.6~~—11 B64.6—11(2016)

Dual Check Valve Backflow Preventers (DuC)  
Table P2902.3, P2902.3.7

~~B64.7~~—11 B64.7—11(2016)

Laboratory Faucet Vacuum Breakers (LFVB)  
Table P2902.3, P2902.3.2

**B79-08—(R2018)**

**Commercial and Residential Drains and Cleanouts**

P2708.1, P2719.3

**~~B125.3—12~~ B125.3—18**

**Plumbing Fittings**

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

**B137.1—13**

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

Table M2105.4, Table 2105.5

**~~B137.1—13~~ B137.1—17**

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

Table P2906.4, Table P2906.6

**B137.2—13**

**Polyvinylchloride PVC Injection-moulded Gasketed Fittings for Pressure Applications**

Table M2105.5

**~~B137.2—13~~ B137.2—17**

**Polyvinylchloride PVC Injection-moulded Gasketed Fittings for Pressure Applications**

Table P2906.6

**B137.3—13**

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

Table M2105.4, Table M2105.5

**~~B137.3—13~~ B137.3—17**

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

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

**B137.5—13**

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

Table M2105.4, Table M2105.5

**~~B137.5—13~~ B137.5—17**

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

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

**B137.6—13**

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

Table M2105.4, Table M2105.5

**~~B137.6—13~~ 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

**B137.8—92**

**Polybutylene (PB) Piping for Pressure Applications**

Table 2906.6

**B137.9—13**

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

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

~~B137.9—13~~ B137.9—17

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

Table P2906.4

**B137.10—13**

**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

~~B137.10—13~~ B137.10—17

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

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

**B137.11—13**

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

Table M2105.4, Table M2105.5

~~B137.11—13~~ 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 P2906.4, Table P2906.5, Table P2906.6

~~B181.1—11~~ 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, P3008.3

~~B181.2—11~~ 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

~~B181.3—11~~ 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

182.1—18

**Plastic Drain and Sewer Pipe and Pipe Fittings**

~~B182.2—11~~ B182.2—18

**PSM Type polyvinylchloride (PVC) Sewer Pipe and Fittings**

Table P3002.2,

~~B182.4—11~~ B182.4—18

**Profile polyvinylchloride (PVC) Sewer Pipe & Fittings**

Table P3002.2,

~~B182.6—11~~ B182.6—18

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

~~B182.8—11~~ B182.8—18

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

~~B356—10~~ B356—10(R2015)

Water Pressure Reducing Valves for Domestic Water Supply Systems

P2903.3.2

~~B483.1—14~~ B483.1—07(R2017)

Drinking Water Treatment Systems

P2909.1, P2909.2

~~B602—10~~ 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

CSA C22.2 No. 60335-2-40—2019

Standard for Household and Similar Electrical Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers – 3<sup>rd</sup> Edition

M1402.1, M1403.1

CSA 8—93

Requirements for Gas Fired Log Lighters for Wood Burning Fireplaces—with revisions through January 1999

G2433.1

~~CSA A257.1—2009~~ CSA A257.1—2014

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

Table P3002.2

~~CSA B45.5—2011/IAPMO Z124—2011~~ CSA B45.5—2017/IAPMO Z124—2017 with Errata dated August 2017

Plastic Plumbing Fixtures

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

CSA B805—18/ICC 805—18

Rainwater Harvesting Systems

P2910.1, P2912.1

~~CSA O325—07~~ 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

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## 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, Table R905.7.4

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## DASMA

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

~~108~~—~~2012~~ 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 4502

~~115~~—~~2012~~ 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

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## 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

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## DOC

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

~~PS 1—09~~ 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—10~~ 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

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## DOTn

U.S. Department of Transportation  
1200 New Jersey Avenue SE  
East Building, 2nd floor  
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**

G2414.6.1



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# 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

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# FM

FM Approvals  
Headquarters Office  
Norwood, MA 02062

4450—(1989)

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

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—(2010) ANSI/FM 4880—(2017)

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

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# GA

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

~~GA-253—2012~~ GA-253—2018

Application of Gypsum Sheathing  
Table R602.3(1)

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# IAPMO

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

~~CSA B45.5—11/IAPMO Z124—2011~~ CSA B45.5—17/IAPMO Z124—2017

Plastic Plumbing Fixtures  
Table P2701.1, P2711.1, P2711.2, P2712.1

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# ICC

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

**IBC—15**

**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, Table R302.1(1), Table R302.1(2), R302.2.1, R302.2.2, R302.3, R308.5, R320.1, R321.3, R403.1.8, Table R602.10.3(3), Table R606.12.2.1, R609.2, R802.1.5.4, R905.10.3, G2402.3~~

~~**IBC—15 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, Table R302.1(1), Table R302.1(2), R302.2.1, R302.2.2, R302.3, R308.5, R320.1, R321.3, R403.1.8, Table R602.10.3(3), Table R606.12.2.1, R609.2, R802.1.5.4, R905.10.3~~

~~**ICC 400—12 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—2014 ICC 500—2020**~~

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

~~R323.1~~

~~**ICC 600—2014 ICC 600—2020**~~

~~**Standard for Residential Construction in High-wind Regions**~~

~~R301.2.1.1~~

~~**ICC/ANSI A117.1—09 ICC/ANSI A117.1—17**~~

~~**Accessible and Usable Buildings and Facilities**~~

~~**IEBC—15 IEBC—21**~~

~~**International Existing Building Code®**~~

~~**IECC—15**~~

~~**International Energy Conservation Code®**~~

~~N1101.1~~

~~**IFC—15**~~

~~**International Fire Code®**~~

~~R102.7, R324.2, M2201.7, G2402.3, G2412.2~~

~~**IFC—21**~~

~~**International Fire Code®**~~

~~**IFGC—15**~~

~~**International Fuel Gas Code®**~~

~~G2401.1, G2402.3, G2423.1~~

~~**IMC—15**~~

~~**International Mechanical Code®**~~

~~N1107.4, N1103.6, G2402.3~~

~~**IPC—15**~~

~~**International Plumbing Code®**~~

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

**IPC—21**

**International Plumbing Code®**

R903.4.1, P2601.1

**IPMC—15 IPMC—21**

**International Property Maintenance Code®**

**IPSDC—15 IPSDC—21**

**International Private Sewage Disposal Code®**

R322.1.7

**ISPSC—15 ISPSC—21**

**International Swimming Pool and Spa Code®**

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**ISO**

~~International Organization for Standardization~~ International Organization for Standardization  
1, ch. de la Voie-Creuse Chemin de Blandonnet 8  
Case postale 56 CH-1211 Geneva 20, Switzerland  
~~CH-1211 Geneva 20, Switzerland~~ 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,  
R704.2.2

**15874—2002**

**Polypropylene Plastic Piping Systems for Hot and Cold Water Installations**

Table M2101.1

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**MSS**

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

**~~SP-42—2009~~ 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—09**

**Pipe Hangers and Supports—Materials, Design, Manufacture, Selection, Application and Installation**

G2418.2

**~~SP-67—2011~~ SP-67—2017**

**Butterfly Valves**

Table P2903.9.4

**SP-70—2011**

**Gray Iron Gate Valves, Flanged and Threaded Ends**

Table P2903.9.4

**~~SP-71—2011~~ SP-71—2018**

**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—2008~~ SP-80—2013**

**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

DRAFT

MSS—continued

SP-122—2017

**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

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## NAIMA

North American Insulation Manufacturers Association  
4411 Canal Center Plaza, Suite 3101  
Alexandria, VA 22314

AH 116—09

**Fibrous Glass Duct Construction Standards, Fifth Edition**

M1601.1.1

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## NFPA

National Fire Protection Association  
1 Batterymarch Park  
Quincy, MA 02269-02169-7471

~~13D—13~~ 13D—19

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

R324.6.2.1, P2904.1, P2904.6.1, R302.2.6, R332.3.1, R332.4.1

~~13R—13~~ 13R—19

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

31—11

**Standard for the Installation of Oil-burning Equipment**

M1701.1, M1801.3.1, M1805.3

58—14

**Liquefied Petroleum Gas Code**

G2412.2, G2414.6.2

~~70—14~~ 70—20

**National Electrical Code**

R324.3, R328.6, R328.1, R328.10, R905.16, R905.17, R907.1

~~72—13~~ 72—19

**National Fire Alarm and Signaling Code**

R314.1, R314.7.1, R332.3.7

85—15

**Boiler and Combustion Systems Hazards Code**

G2452.1

211—13

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

~~R1002.5~~, G2427.5.5.1

**211—19**

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

R1002.5

**~~259—13~~ 259—18**

**Standard for Test Method for Potential Heat of Building Materials**

R316.5.7, R316.5.8

**~~275—13~~ 275—17**

**Standard Method of Fire Tests for the Evaluation of Thermal Barriers**

R316.4, R316.3

**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—15~~ 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, R302.9.5

**~~501—13~~ 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—15**

**Standard on the Installation of Stationary Fuel Cell Power Systems**

M1903.1

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**NFRC**

National Fenestration Rating Council, Inc.  
8484 Georgia Avenue, Suite 3206305 Ivy Lane, Suite 140  
Greenbelt, MD 20770

**100—2009**

**Procedure for Determining Fenestration Products *U*-Factors—Second edition**

N1101.5

**200—2009**

**Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence—  
Second edition**

N1101.5

**400—2009**

**Procedure for Determining Fenestration Product Air Leakage—Second edition**

N1102.4.4

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# **NGWA**

National Ground Water Association  
601 Dempsey Road  
Westerville, OH 43081

## **ANSI/NGWA 01—14**

### **Water Well Construction Standard**

P2602.1

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# **NSF**

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

## **14—2011**

### **Plastics Piping System Components and Related Materials**

M1301.4, ~~P2609.3~~, ~~P2909.3~~

## **~~14—2011~~ 14—2017**

### **Plastics Piping System Components and Related Materials**

P2609.3, P2909.3

## **~~41—2011~~ 41—2016**

### **Nonliquid Saturated Treatment Systems (Composting Toilets)**

P2725.1

## **~~42—2011~~ 42—2017**

### **Drinking Water Treatment Units—Aesthetic Effects**

P2909.1, P2909.3

## **~~44—2012~~ 44—2017**

### **Residential Cation Exchange Water Softeners**

P2909.1, P2909.3

## **~~50—2012~~ 50—2017**

### **Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities**

P2911.8.1

## **~~53—2011A~~ 53—2017**

### **Drinking Water Treatment Units—Health Effects**

P2909.1, P2909.3

## **~~58—2012~~ 58—2017**

### **Reverse Osmosis Drinking Water Treatment Systems**

P2909.2, P2909.3

## **~~61—2012~~ 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—2011~~ 350—2017a

**Onsite Residential and Commercial Water Reuse Treatment Systems**

P2911.6.1

~~358-1—2011~~

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

M2105.4, M2105.5, ~~Table AG101.1~~

~~358-2—2012~~

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

M2105.5

~~359—2012~~ 359—2011(R2016)

**Valves for Crosslinked Polyethylene (PEX) Water Distribution Tubing Systems**

Table P2903.9.4

~~372—2010~~ 372—2016

**Drinking Water Systems Components—Lead Content**

P2906.2.1

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## **PCA**

Portland Cement Association  
5420 Old Orchard Road  
Skokie, IL 60077

~~100—12~~ 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, R608.1, R608.2, R608.5.1, R608.9.2,  
R608.9.3

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## **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

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## **SBCA**

Structural Building Components Association  
6300 Enterprise Lane  
Madison, WI 53719  
Madison, WI 53719

~~ANSI/FS100—12~~ ANSI/FS100—12(R2018)

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



R316.8

~~BCSI—2013~~ 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—2008~~ 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**

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## SMACNA

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

**SMACNA—10**

**Fibrous Glass Duct Construction Standards (2003)**

M1601.1.1, M1601.4.1

**SMACNA/ANSI—2005**

**HVAC Duct Construction Standards—Metal and Flexible (2005)**

M1601.4.1

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## SRCC

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

**SRCC 100—13**

**Standard 100 for Solar Collectors**

M2301.3.1

**SRCC 300—13**

**Standard 300 for Solar Water Heating Systems**

M2301.2.3, M2301.4, M2301.2.6, M2301.2.8

**SRCC 600—13**

**Standard 600 for Solar Concentrating Collectors**

M2301.3.1

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## TMS

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

~~402—2013~~ 402—2016

**Building Code Requirements for Masonry Structures**

R404.1.2, R606.1, R606.1.1, R606.12.1, R606.12.2.3.2, R606.12.3.1, R703.12

~~403—2013~~ 403—2017

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

404—2016

**Standard for the Design of Architectural Cast Stone**  
R606.1

~~602—2013~~ 602—2016

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

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## 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, Table 4606.1

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## UL

UL LLC  
333 Pfingsten Road  
Northbrook, IL 60062

17—2008

**Vent or Chimney Connector Dampers for Oil-fired Appliances—with revisions through January 2010**  
M1802.2.2

55A—2004

**Materials for Built-up Roof Coverings**  
R905.9.2

58—96

**Standard for Underground Tanks for Flammable and Combustible Liquids—with revisions through July 1998**  
M2201.1

80—2007

**Steel Tanks for Oil-burner Fuel—with revisions through August 2009**  
M2201.1

103—2010

**Factory-built Chimneys for Residential Type and Building Heating Appliances—with revisions through July 2012**  
R202, R1005.3, G2430.1

103—2010

**Factory-built Chimneys for Residential Type and Building Heating Appliances—with revisions through March 2017**  
R202, R1005.3

127—2011

**Factory-built Fireplaces**  
R1001.11, R1004.1, R1004.4, R1004.5, R1005.4, N1102.4.2, G2445.7

**127—2011**

**Factory-built Fireplaces—with revisions through July 2016**

R1001.11, R1004.1, R1004.4, R1004.5, R1005.4

**174—04**

**Household Electric Storage Tank Water Heaters—with revisions through September 2012**

M2005.1

**180—2012**

**Liquid-level Indicating Gauges for Oil Burner Fuels and Other Combustible Liquids**

M2201.5

**181—05**

**Factory-made Air Ducts and Air Connectors—with revisions through May 2003**

M1601.1.1, M1601.4.1

**181A—2013**

**Closure Systems for Use with Rigid Air Ducts and Air Connectors—with revisions through December 1998**

M1601.2, M1601.4.1

**181B—2013**

**Closure Systems for Use with Flexible Air Ducts and Air Connectors—with revisions through August 2003**

M1601.4.1

**~~217—2006~~ 217—2015**

**Smoke Alarms—with revisions through November 2016**

R314.1.1, R315.1.1

**263—2011**

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

Table R302.1, R302.2.1, R302.2.2, R302.3, R302.4.1, R302.11.1, R606.2.2

**~~268—2009~~ 268—2016**

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

R314.7.1, R314.7.4, R315.7.4

**~~325—02~~ 325—2017**

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

R309.4

**343—2008**

**Pumps for Oil-burning Appliances—with revisions through June 2013**

M2204.1

**378—06**

**Draft Equipment—with revisions through January 2010**

M1804.2.6

**441—10**

**Gas Vents**

G2426.1

**508—99**

**Industrial Control Equipment—with revisions through March 2013**

M1411.3.1

536—97

**Flexible Metallic Hose—with revisions through June 2003**

M2202.3

641—2010

**Type L, Low-temperature Venting Systems—with revisions through May 2013**

R202, R1003.11.5, M1804.2.4, G2426.1

**641—2010**

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

R202, R1003.11.5

651—2011

**Schedule 40 and Schedule 80 Rigid PVC Conduit and Fittings—with revisions through March 2012**

G2414.6.3

705—04

**Standard for Power Ventilators—with revisions through March 2012**

M1502.4.4

**~~723—08~~ 723—2018**

**Standard for Test for Surface Burning Characteristics of Building Materials**

R202, R302.9.3, R302.9.4, R302.10.1, R302.10.2, R316.3.1, R316.3.2, R316.5.9, R316.5.11, R507.2.2.2, R703.14.3, R802.1.5, M1601.3, M1601.5.2, P2801.6

726—95

**Oil-fired Boiler Assemblies—with revisions through April 2011**

M2001.1.1, M2006.1

727—06

**Oil-fired Central Furnaces—with revisions through April 2010**

M1402.1

729—03

**Oil-fired Floor Furnaces—with revisions through August 2012**

M1408.1

730—03

**Oil-fired Wall Furnaces—with revisions through August 2012**

M1409.1

732—95

**Oil-fired Storage Tank Water Heaters—with revisions through April 2010**

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**

R302.2.4, R902.1

795—2011

**Commercial-industrial Gas Heating Equipment—with revisions through September 2012**

G2442.1, G2452.1

834—04

**Heating, Water Supply and Power Boilers—Electric—with revisions through January 2013**

M2001.1.1

842—07

**Valves for Flammable Fluids—with revisions through October 2012**

M2204.2

858—05

**Household Electric Ranges—with revisions through April 2012**

M1901.2

875—09

**Electric Dry-bath Heaters—with revisions through November 2011**

M1902.2

896—1993

**Oil-burning Stoves—with revisions through August 2012**

M1410.1

907—94

**Fireplace Accessories—with revisions through November 2014**

R1001.13

923—2013

**Microwave Cooking Appliances**

M1504.1

959—2010

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

R1005.6

1026—2012

**Electric Household Cooking and Food Serving Appliances**

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 June 2013**

M1405.1

1256—02

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

R906.1

1261—01

**Electric Water Heaters for Pools and Tubs—with revisions through July 2012**

M2006.1

~~1479—03~~ 1479—2015

**Fire Tests of Through-Penetration Firestops**

R302.4.1.2

1482—2011

**Solid-Fuel-type Room Heaters**

~~R1002.2, R1002.5~~, M1410.1

1482—2011

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

R1002.2, R1002.5

1618—09

**Wall Protectors, Floor Protectors, and Hearth Extensions—with revisions through May 2013**

~~R1004.2~~, M1410.2

1618—09

**Wall Protectors, Floor Protectors, and Hearth Extensions—with revisions through January 2018**

R1004.2

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**

R324.3.1, R902.4, R905.16.4, R905.17.5

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—with revisions through May 2011**

G2426.1

1741—2010

**Inverters, Converters, Controllers and Interconnection System Equipment with Distributed Energy Resources—with revisions through February 2018**

R324.3.1, R328.6

1777—07

**Chimney Liners—with revisions through July 2009**

~~R1003.11.1, R1003.18~~, M1801.3.4, G2425.12, G2425.15.4

1777—07

**Chimney Liners—with revisions through April 2014**

R1003.11.1, R1003.18

1897—15:

**Uplift Tests for Roof Covering Systems**

R905.4.4.1

1995—2015

**Heating and Cooling Equipment**

M1402.1, M1403.1, M1407.1, M1412.1, M1413.1

1996—2009

**Electric Duct Heaters—with revisions through November 2011**

M1402.1, M1407.1

**2034—2008 2034—2017**

**Standard for Single- and Multiple-station Carbon Monoxide Alarms—with revisions through September 2018**

R314.1.1, R315.1.1

**2075—2013**

**Gas and Vapor Detectors and Sensors—with revisions through December 2017**

R314.7.4, R315.7.1, R315.7.4

**2158A—2010**

**Outline of Investigation for Clothes Dryer Transition Duct**

M1502.4.3

**2200—2012**

**Stationary Engine Generator Assemblies—with revisions through October 2015**

R329.1

**2523—09**

**Standard for Solid Fuel-fired Hydronic Heating Appliances, Water Heaters and Boilers—with revisions through February 2013**

M2005.1, M2001.1.1

**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, R324.3.1

**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**

R328.1, R328.2, R328.6

**61730-1—2017**

**Photovoltaic (PV) Module Safety Qualification—Part 1: Requirements for Construction**

R324.3.1, R905.16.4, 905.17.5

**61730-2—2017**

**Photovoltaic (PV) Module Safety Qualification—Part 2: Requirements for Testing**

R324.3.1, R905.16.4, R905.17.5

**60335-2-40—2019**

**Standard for Household and Similar Electrical Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers – 3<sup>rd</sup> Edition**

M1402.1, M1403.1

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**ULC**

ULC  
13775 Commerce Parkway  
Richmond, BC V6V 2V4

**CAN/ULC S 102.2—2010 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

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## WDMA

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

**AAMA/WDMA/CSA 101/I.S.2/A440—11**

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

**AAMA/WDMA/CSA 101/I.S.2/A440—17**

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

**I.S. 11—18**

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

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## 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