

**4101:8-44-01 Referenced standards.**

**SECTION 4401  
REFERENCED STANDARDS**

**4401.1 General.** *This chapter lists the standards that are referenced in various sections of this code. The standards are listed herein by the promulgating agency of the standard, the standard identification, the effective date and title. The application of the referenced standards shall be as specified in Section 102.5.*

**4401.2 Referenced codes.** *When indicated in this code, the following codes refer to provisions in the listed chapters of the administrative code:*

<b><i>Referenced Code</i></b>	<b><i>Ohio Administrative Code Chapters</i></b>
<i>Ohio Building Code Fire Code Mechanical Code Plumbing Code</i>	<i>4101:1-1 to 4101:1-35 1301:7-1 to 1301:7-7 4101:2-1 to 4101:2-15 4101:3-1 to 4101:3-13, codified and published as the 2011 Ohio Plumbing Code, effective 11-1-2011 (including update effective <del>03-01-2013</del>07-01-2014), and as modified in Section 2501.1.1.</i>

**4401.3 Referenced standard list.**

American Architectural Manufacturers Association  
1827 Walden Office Square, Suite 550  
Schaumburg, IL 60173

**AAMA  
Standard  
reference  
number**

**Title**

AAMA/WDMA/CSA 101/I.S.2/A440—08	North American Fenestration Standard/Specification for Windows, Doors, and Skylights
450—10	Voluntary Performance Rating Method for Muller Fenestration Assemblies
506—08	Voluntary Specifications for Hurricane Impact and Cycle Testing of Fenestration Products
711—07	Voluntary Specification for Self Adhering Flashing Used for Installation of Exterior Wall Fenestration Products.

Air Conditioning Contractors of America  
2800 Shirlington Road, Suite 300  
Arlington, VA 22206

**ACCA**  
**Standard**  
**reference**  
**number**

	<b>Title</b>
Manual D—09	Residential Duct Systems
Manual J—04	Residential Load Calculation—Eighth Edition
Manual S—04	Residential Equipment Selection

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

**ACE**  
**Standard**  
**reference**  
**number**

	<b>Title</b>
318—08	Building Code Requirements for Structural Concrete
332—08	Code Requirements for Residential Concrete Construction
530—08	Building Code Requirements for Masonry Structures
530.1—08	Specification for Masonry Structures

American Forest and Paper Association  
1111 19th Street, NW, Suite 800  
Washington, DC 20036

American Forest Products Association (Currently the American Wood Council)  
 803 Sycolin Road, Suite 201  
 Leesburg, VA 20175  
<http://www.awc.org/index.html>

**AFPA**

**Standard  
reference  
number**

**Title**

NDS—05	National Design Specification (NDS) for Wood Construction—with 2005 Supplement
<i>WFCM-01</i>	Wood Frame Construction Manual for One- and Two- family Dwellings
AFPA—93	Span Tables for Joists and Rafters
PWF—07	Permanent Wood Foundation Design Specification

American Iron and Steel Institute  
 1140 Connecticut Ave, Suite 705  
 Washington, DC 20036

**AISI**

**Standard  
reference  
number**

**Title**

AISI S100—07	North American Specification for the Design of Cold-formed Steel Structural Members
AISI S230—07	Standard for Cold-formed Steel Framing- prescriptive Method for One- and Two-family Dwellings

American Institute of Timber Construction  
 7012 S. Revere Parkway, Suite 140  
 Centennial, CO 80112

**AITC**

**Standard  
reference  
number**

**Title**

ANSI/AITC A 190.1—07	Structural Glued Laminated Timber
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American National Standards Institute  
 25 West 43rd Street, Fourth Floor  
 New York, NY 10036

**ANSI  
 Standard  
 reference  
 number**

**Title**

A108.1A—09	Installation of Ceramic Tile in the Wet-set Method, with Portland Cement Mortar
A108.1B—09	Installation of Ceramic Tile, Quarry Tile on a Cured Portland Cement Mortar Setting Bed with Dry-set or Latex-Portland Mortar
A108.4—09	Installation of Ceramic Tile with Organic Adhesives or Water Cleanable Tile-setting Epoxy Adhesive
A108.5—09	Installation of Ceramic Tile with Dry-set Portland Cement Mortar or Latex-Portland Cement Mortar
A108.6—09	Installation of Ceramic Tile with Chemical-resistant, Water-cleanable Tile-setting and -grouting Epoxy
A108.11—09	Interior Installation of Cementitious Backer Units
A118.1—10.1	American National Standard Specifications for Dry-set Portland Cement Mortar
A118.3—10.1	American National Standard Specifications for Chemical-resistant, Water-cleanable Tile-setting and Grouting Epoxy and Water-cleanable Tile-setting Epoxy Adhesive
A118.10—10.1	Specification for Load Bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimension Stone Installation
A136.1—10.1	American National Standard Specifications for Organic Adhesives for Installation of Ceramic Tile
A137.1—08	American National Standard Specifications for Ceramic Tile
A208.1—09	Particleboard
LC1—05	Interior Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing
LC4—07	Press-connect Copper and Copper Alloy Fittings for use in Fuel Gas Distribution Systems
Z21.1—05	Household Cooking Gas Appliances

Z21.5.1—06	Gas Clothes Dryers—Volume I—Type I Clothes Dryers
Z21.8—94 (R2002)	Installation of Domestic Gas Conversion Burners
Z21.10.1—09	Gas Water Heaters—Volume I—Storage Water Heaters with Input Ratings of 75,000 Btu per hour or Less
Z21.10.3—07	Gas Water Heaters—Volume III—Storage Water Heaters with Input Ratings above 75,000 Btu per hour, Circulating and Instantaneous Water Heaters
Z21.11.2—07	Gas-fired Room Heaters—Volume II—Unvented Room Heaters
Z21.13—10	Gas-fired Low-Pressure Steam and Hot Water Boilers
Z21.15- 09	Manually Operated Gas Valves for Appliances, Appliance Connector Valves and Hose End Valves
Z21.24- 06	Connectors for Gas Appliances
Z21.40.1—96 (R2002)	Gas-fired, Heat-activated Air Conditioning and Heat Pump Appliances— with Z21.40.1a-97 (R2002)
Z21.40.2—96 (R2002)	Gas-fired, Work-activated Air Conditioning and Heat Pump Appliances (Internal Combustion) — with Z21.40.2a-1997 (R2002)
Z21.42—04	Gas-fired Illuminating Appliances
Z21.47—06	Gas-fired Central Furnaces
Z21.50—07	Vented Gas Fireplaces
Z21.56—06	Gas-fired Pool Heaters
Z21.58—08	Outdoor Cooking Gas Appliances
Z21.60—03	Decorative Gas Appliances for Installation in Solid Fuel Burning Fireplaces—with Addenda Z21.60a-2003
Z21.75/CSA6.27—07	Connectors for Outdoor Gas Appliances
Z21.80—03	Line Pressure Regulators
Z21.83—98	Fuel Cell Power Plants.
Z21.84—02	Manually Listed, Natural Gas Decorative Gas Appliances for Installation in Solid Fuel-burning Fireplaces—with Addenda Z21.84a -2003
Z21.86—08	Gas-fired Vented Space Heating Appliances
Z21.88—09	Vented Gas Fireplace Heaters
Z21.91—07	Ventless Firebox Enclosures for Gas-fired Unvented Decorative Room Heaters
Z83.6—90 (R1998)	Gas-fired Infrared Heaters

Z83.8—09	Gas-fired Unit Heaters and Gas-fired Duct Furnaces
Z97.1—09	Safety Glazing Materials Used in Buildings— Safety Performance Specifications and Methods of Test

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

**APA  
Standard  
reference  
number**

**Title**

APA E30—07 Engineered Wood Construction Guide

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

**ASCE/SEI  
Standard  
reference  
number**

**Title**

5—08	Building Code Requirements for Masonry Structures
6—08	Specification for Masonry Structures
7—05	Minimum Design Loads for Buildings and Other Structures
24—05	Flood-resistant Design and Construction.
32—01	Design and Construction of Frost-protected Shallow Foundations

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.  
1791 Tullie Circle, NE  
Atlanta, GA 30329

**ASHRAE  
Standard  
reference  
number**

**Title**

34—10	Designation and Safety Classification of Refrigerants
ASHRAE—09	ASHRAE Fundamentals Handbook—2009

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

**ASME  
 Standard  
 reference  
 number**

**Title**

A17.1/CSA B44—2010  
 A18.1—2008

Safety Code for Elevators and Escalators  
 Safety Standard for Platforms and Stairway  
 Chair Lifts

B1.20.1—1983 (R2006)  
 B16.33—2002 (R2007)

Pipe Threads, General Purpose (Inch)  
 Manually Operated Metallic Gas Valves for  
 Use in Gas Piping Systems up to 125 psig  
 (Sizes ½ through 2)

B16.44—02

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

B36.10M—2004  
 BPVC—2010  
 CSD-1—09

Welded and Seamless Wrought-steel Pipe  
 ASME Boiler and Pressure Vessel Code  
 Controls and Safety Devices for  
 Automatically Fired Boilers

American Society of Sanitary Engineering  
 901 Canterbury, Suite A  
 Westlake, OH 44145

ASTM International  
 100 Barr Harbor Drive  
 West Conshohocken, PA 19428

**ASTM  
 Standard  
 reference  
 number**

**Title**

A 36/A 36M—08  
 A 53/A 53M—10a

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

A 82/A 82M—07	Specification for Steel Wire, Plain, for Concrete Reinforcement
A 106/A 106M—10	Specification for Seamless Carbon Steel Pipe for High Temperature Service
A 153/A 153M—09	Specification for Zinc Coating (Hot Dip) on Iron and Steel Hardware
A 167—09	Specification for Stainless and Heat-resisting Chromium-nickel Steel Plate, Sheet and Strip
A 240/A 240M—10a	Standard Specification for Chromium and Chromium-nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications
A 254—9707	Specification for Copper Brazed Steel Tubing
A 307—07b	Specification for Carbon Steel Bolts and Studs, 6000 psi Tensile Strength
A 463/A 463M—09a	Standard Specification for Steel Sheet, Aluminum-coated by the Hot-dip Process.
A 510—08	Specification for General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel
A 539—99	Specification for Electric-resistance-welded Coiled Steel Tubing for Gas and Fuel Oil Lines
A 615/A 615M—09b	Specification for Deformed and Plain Billet-steel Bars for Concrete Reinforcement
A 641/A 641M—09b	Specification for Zinc-coated (Galvanized) Carbon Steel Wire
A 653/A 653M—09a	Specification for Steel Sheet, Zinc-coated (Galvanized) or Zinc-iron Alloy-coated (Galvanized) by the Hot-dip Process
A 706/A 706M—09b	Specification for Low-alloy Steel Deformed and Plain Bars for Concrete Reinforcement
A 755/A 755M—03 (2008)	Specification for Steel Sheet, Metallic Coated by the Hot-dip Process and Prepainted by the Coil-coating Process for Exterior Exposed Building Products
A 778—01 (2009)e1	Specification for Welded Unannealed Austenitic Stainless Steel Tubular Products
A 792/A 792M—09a	Specification for Steel Sheet, 55% Aluminum-zinc Alloy-coated by the Hot-dip Process
A 875/A 875M—09a	Specification for Steel Sheet, Zinc-5%, Aluminum Alloy-coated by the Hot-dip Process

A 924/A 924M—10	Standard Specification for General Requirements for Steel Sheet, Metallic-coated by the Hot-Dip Process
A 951—06	Specification for Steel Wire Masonry Joint Reinforcement
A 996/A 996M—09b	Specifications for Rail-steel and Axle-steel Deformed Bars for Concrete Reinforcement
A 1003/A 1003M—10	Standard Specification for Steel Sheet, Carbon, Metallic and Nonmetallic-coated for Cold-formed Framing Members
B 42—10	Specification for Seamless Copper Pipe, Standard Sizes
B 43—09	Specification for Seamless Red Brass Pipe, Standard Sizes
B 75—02	Specification for Seamless Copper Tube
B 88—09	Specification for Seamless Copper Water Tube
B 101—07	Specification for Lead-coated Copper Sheet and Strip for Building Construction.
B 135—10	Specification for Seamless Brass Tube
B 209—07	Specification for Aluminum and Aluminum-alloy Sheet and Plate
B 227—10	Specification for Hard-drawn Copper-clad Steel Wire
B 251—10	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube
B 302—07	Specification for Threadless Copper Pipe, Standard Sizes
B 306—09	Specification for Copper Drainage Tube (DWV)
B 370—09	Specification for Copper Sheet and Strip for Building Construction
B 447—07	Specification for Welded Copper Tube
B 695—04 (2009)	Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel
B 813—10	Specification for Liquid and Paste Fluxes for Soldering Applications of Copper and Copper Alloy Tube
C 5—10	Specification for Quicklime for Structural Purposes
C 27—98 (2008)	Specification for Standard Classification of Fireclay and High-alumina Refractory Brick
C 28/C 28M—10	Specification for Gypsum Plasters
C 33—08	Specification for Concrete Aggregates

C 34—08	Specification for Structural Clay Load-bearing Wall Tile
C 35—01(2005)	Specification for Inorganic Aggregates for Use in Gypsum Plaster
C 36/C 36M—03	Specification for Gypsum Wallboard
C 37/C 37M—01	Specification for Gypsum Lath
C 55—09	Specification for Concrete Building Brick
C 59/C 59M—00 (2006)	Specification for Gypsum Casting and Molding Plaster
C 61/C 61M—00 (2006)	Specification for Gypsum Keene's Cement
C 62—10	Specification for Building Brick (Solid Masonry Units Made from Clay or Shale)
C 73—05	Specification for Calcium Silicate Face Brick (Sand Lime Brick)
C 79—04a	Specification for Treated Core and Nontreated Core Gypsum Sheathing Board
C 90—09	Specification for Load-bearing Concrete Masonry Units
C 91—05	Specification for Masonry Cement
C 94/C 94M—10	Specification for Ready-mixed Concrete
C 129—06	Specification for Nonload-bearing Concrete Masonry Units
C 143/C 143M—10a	Test Method for Slump or Hydraulic Cement Concrete
C 145—85	Specification for Solid Load-bearing Concrete Masonry Units
C 150—09	Specification for Portland Cement
C 199—84 (2005)	Test Method for Pier Test for Refractory Mortar
C 203—05a	Standard Test Methods for Breaking Load and Flexural Properties of Block-type Thermal Insulation
C 207—06	Specification for Hydrated Lime for Masonry Purposes
C 208—08a	Specification for Cellulosic Fiber Insulating Board
C 216—10	Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale)
C 270—10	Specification for Mortar for Unit Masonry
C 272—01 (2007)	Standard Test Method for Water Absorption of Core Materials for Structural Sandwich Constructions
C 273—07a	Standard Test Method for Shear Properties of Sandwich Core Materials

C 315—07	Specification for Clay Flue Liners and Chimney Pots
C 406—10	Specifications for Roofing Slate
C 411—05	Test Method for Hot-surface Performance of High-temperature Thermal Insulation
C 475/C 475—02(2007)	Specification for Joint Compound and Joint Tape for Finishing Gypsum Wallboard
C 476—10	Specification for Grout for Masonry
C 514—04 (2009) <i>e1</i>	Specification for Nails for the Application of Gypsum Wallboard
C 552—07	Standard Specification for Cellular Glass Thermal Insulation
C 557—03 (2009) <i>e1</i>	Specification for Adhesives for Fastening Gypsum Wallboard to Wood Framing
C 578—10	Specification for Rigid, Cellular Polystyrene Thermal Insulation
C 587—04 (2009)	Specification for Gypsum Veneer Plaster
C 588/C 588M—03 <i>e1</i>	Specification for Gypsum Base for Veneer Plasters
C 595—10	Specification for Blended Hydraulic Cements
C 630/C 630M—03	Specification for Water-resistant Gypsum Backing Board
C 631—09	Specification for Bonding Compounds for Interior Gypsum Plastering
C 645—09 <i>a</i>	Specification for Nonstructural Steel Framing Members
C 652—10	Specification for Hollow Brick (Hollow Masonry Units Made from Clay or Shale)
C 685—10	Specification for Concrete Made by Volumetric Batching and Continuous Mixing
C 728—05 (2010)	Standard Specification for Perlite Thermal Insulation Board
C 836/C836M-10	Specification for High Solids Content, Cold Liquid-applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course
C 843—99 (2006)	Specification for Application of Gypsum Veneer Plaster
C 844—10	Specification for Application of Gypsum Base to Receive Gypsum Veneer Plaster
C 847—10 <i>a</i>	Specification for Metal Lath

C 887—05 (2010)	Specification for Packaged, Dry, Combined Materials for Surface Bonding Mortar
C 897—05 (2009)	Specification for Aggregate for Job-mixed Portland Cement-based Plasters
C 920—10	Standard Specification for Elastomeric Joint Sealants
C 926—06	Specification for Application of Portland Cement-based Plaster
C 931/C 931M—04	Specification for Exterior Gypsum Soffit Board
C 933—09	Specification for Welded Wire Lath
C 954—10	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) to 0.112 in. (2.84 mm) in Thickness
C 955—09a	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
C 957—10	Specification for High-solids Content, Cold Liquid-applied Elastomeric Waterproofing Membrane for Use with Integral Wearing Surface
C 960—04	Specification for Predecorated Gypsum Board
C 1002—07	Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases
C 1029—10	Specification for Spray-applied Rigid Cellular Polyurethane Thermal Insulation
C 1032—06	Specification for Woven Wire Plaster Base
C 1047—10a	Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base
C 1063—08	Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-based Plaster.
C 1107—08	Standard Specification for Packaged Dry, Hydraulic-cement Grout (Nonshrink)
C 1116—10	Standard Specification for Fiber-reinforced Concrete and Shotcrete
C 1167—03 (2009)	Specification for Clay Roof Tiles
C 1177/C 1177M—08	Specification for Glass Mat Gypsum Substrate for Use as Sheathing

C 1178/C 1178M—08	Specification for Glass Mat Water-resistant Gypsum Backing Panel
C 1186—08	Specification for Flat Nonasbestos Fiber Cement Sheets
C 1261—10	Specification for Firebox Brick for Residential Fireplaces
C 1278/C 1278M—07a	Specification for Fiber-reinforced Gypsum Panels
C 1283—07a	Practice for Installing Clay Flue Lining
C 1288—99(2010)	Standard Specification for Discrete Nonasbestos Fiber-cement Interior Substrate Sheets
C 1289—10	Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board
C 1325—08b	Standard Specification for Nonasbestos Fiber-mat Reinforced Cement Interior Substrate Sheets.
C 1328—05	Specification for Plastic (Stucco) Cement.
C 1395/C 1395M—06a	Specification for Gypsum Ceiling Board
C 1396/C 1396M—09a	Specification for Gypsum Board.
C 1492—03(2009)	Specification for Concrete Roof Tile
C 1513—10	Standard Specification for Steel Tapping Screws for Cold-formed Steel Framing Connections
C 1658/C 1658M—06	Standard Specification for Glass Mat Gypsum Panels
D 41—05 (2010)	Specification for Asphalt Primer Used in Roofing, Dampproofing and Waterproofing
D 43—00(2006)	Specification for Coal Tar Primer Used in Roofing, Dampproofing and Waterproofing
D 225—07	Specification for Asphalt Shingles (Organic Felt) Surfaced with Mineral Granules
D 226/D 226M—09	Specification for Asphalt-saturated (Organic Felt) Used in Roofing and Waterproofing
D 227—03	Specification for Coal Tar Saturated (Organic Felt) Used in Roofing and Waterproofing
D 312—00(2006)	Specification for Asphalt Used in Roofing.
D 422—63 (2007)	Test Method for Particle-size Analysis of Soils
D 449—03 (2008)	Specification for Asphalt Used in Dampproofing and Waterproofing.
D 450—07	Specification for Coal-tar Pitch Used in Roofing, Dampproofing and Waterproofing
D 1227—95(2007)	Specification for Emulsified Asphalt Used as a Protective Coating for Roofing

D 1248—05	Specification for Polyethylene Plastics Extrusion Materials for Wire and Cable
D 1622—08	Standard Test Method for Apparent Density of Rigid Cellular Plastics
D 1623—09	Standard Test Method for Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics
D 1693—08	Test Method for Environmental Stress-cracking of Ethylene Plastics
D 1784—08	Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds
D 1863—05	Specification for Mineral Aggregate Used in Built-up Roofs
D 1970—09	Specification for Self-adhering Polymer Modified Bitumen Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection
D 2126—09	Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging
D 2178—04	Specification for Asphalt Glass Felt Used in Roofing and Waterproofing
D 2412—10	Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-plate Loading
D 2447—03	Specification for Polyethylene (PE) Plastic Pipe Schedules 40 and 80, Based on Outside Diameter
D 2513—09a	Specification for Thermoplastic Gas Pressure Pipe, Tubing and Fittings
D 2559—10a	Standard Specification for Adhesives for Structural Laminated Wood Products for Use Under Exterior (West Use) Exposure Conditions
D 2626—04	Specification for Asphalt-saturated and Coated Organic Felt Base Sheet Used in Roofing
D 2683—10	Specification for Socket-type Polyethylene Fittings for Outside Diameter-controlled Polyethylene Pipe and Tubing
D 2822—05	Specification for Asphalt Roof Cement
D 2823—05	Specification for Asphalt Roof Coatings
D 2824—06	Specification for Aluminum-pigmented Asphalt Roof Coatings, Nonfibered, Asbestos Fibered and Fibered without Asbestos

D 2837—08	Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials or Pressure Design Basis for Thermoplastic Pipe Products
D 2846/D 2846M—09b	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-water Distribution Systems
D 2898—10	Test Methods for Accelerated Weathering of Fire-retardant-treated Wood for Fire Testing
D 3019—08	Specification for Lap Cement Used with Asphalt Roll Roofing, Nonfibered, Asbestos Fibered and Nonasbestos Fibered.
D 3035—08	Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based On Controlled Outside Diameter
D 3161—09	Test Method for Wind Resistance of Asphalt Shingles (Fan Induced Method)
D 3201—08ae1	Test Method for Hygroscopic Properties of Fire-retardant Wood and Wood-base Products
D 3309—96a (2002)	Specification for Polybutylene (PB) Plastic Hot-and Code-water Distribution System
D 3350—10	Specification for Polyethylene Plastic Pipe and Fitting Materials
D 3462/D 3462M—10a	Specification for Asphalt Shingles Made From Glass Felt and Surfaced with Mineral Granules.
D 3468—99 (2006)e01	Specification for Liquid-applied Neoprene and Chlorosulfanated Polyethylene Used in Roofing and Waterproofing
D 3679—09a	Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding
D 3737—09	Practice for Establishing Allowable Properties for Structural Glued Laminated Timber (Glulam)
D 3747—79 (2007)	Specification for Emulsified Asphalt Adhesive for Adhering Roof Insulation
D 3909—97b (2004)e01	Specification for Asphalt Roll Roofing (Glass Felt) Surfaced with Mineral Granules
D 3957—09	Standard Practices for Establishing Stress Grades for Structural Members Used in Log Buildings
D 4022—07	Specification for Coal Tar Roof Cement, Asbestos Containing
D 4318—10	Test Methods for Liquid Limit, Plastic Limit and Plasticity Index of Soils

D 4434/D 4434—09	Specification for Poly (Vinyl Chloride) Sheet Roofing
D 4479—07	Specification for Asphalt Roof Coatings-asbestos-free
D 4586—07	Specification for Asphalt Roof Cement-asbestos-free
D 4601—04	Specification for Asphalt-coated Glass Fiber Base Sheet Used in Roofing
D 4637/D 4637M—10	Specification for EPDM Sheet Used in Single-ply Roof Membrane
D 4829—08a	Test Method for Expansion Index of Soils
D 4869—05e01	Specification for Asphalt-saturated (Organic Felt) Underlayment Used in Steep Slope Roofing
D 4897/D 4897M—01(2009)	Specification for Asphalt Coated Glass-fiber Venting Base Sheet Used in Roofing
D 4990—97a (2005)e01	Specification for Coal Tar Glass Felt Used in Roofing and Waterproofing
D 5019—07a	Specification for Reinforced Nonvulcanized Polymeric Sheet Used in Roofing Membrane
D 5055—10	Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-joists
D 5516—09	Test Method for Evaluating the Flexural Properties of Fire-retardant-treated Softwood Plywood Exposed to the Elevated Temperatures
D 5643—06	Specification for Coal Tar Roof Cement Asbestos-free
D 5664—10	Test Methods For Evaluating the Effects of Fire-retardant Treatments and Elevated Temperatures on Strength Properties of Fire-retardant-treated Lumber
D 5665—99a(2006)	Specification for Thermoplastic Fabrics Used in Cold-applied Roofing and Waterproofing
D 5726—98(2005)	Specification for Thermoplastic Fabrics Used in Hot-applied Roofing and Waterproofing
D 6083—05e01	Specification for Liquid-applied Acrylic Coating Used in Roofing
D 6162—08	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements

D 6163—00 (2008)	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Glass Fiber Reinforcements
D 6164—05 <i>e1</i>	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Polyester Reinforcements
D 6222—08	Specification for Atactic Polypropelene (APP) Modified Bituminous Sheet Materials Using Polyester Reinforcement.
D 6223/D 6223M—02(2009) <i>e01</i>	Specification for Atactic Polypropelene (APP) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcement
D 6298—05 <i>e1</i>	Specification for Fiberglass-reinforced Styrene Butadiene Styrene (SBS) Modified Bituminous Sheets with a Factory Applied Metal Surface
D 6305—08	Practice for Calculating Bending Strength Design Adjustment Factors for Fire-retardant-treated Plywood Roof Sheathing
D 6380—03(2008)	Standard Specification for Asphalt Roll Roofing (Organic Felt)
D 6694—08	Standard Specification Liquid-applied Silicone Coating Used in Spray Polurethane Foam Roofing
D 6754/D 6754M—10	Standard Specification for Ketone-ethylene-ester-based Sheet Roofing <sup>2</sup>
D 6757—07	Standard Specification for Inorganic Underlayment for Use with Steep Slope Roofing Products.
D 6841—08	Standard Practice for Calculating Design Value Treatment Adjustment Factors for Fire-retardant-treated Lumber
D 6878—08 <i>e1</i>	Standard Specification for Thermoplastic-polyolefin-based Sheet Roofing.
D 6947—07	Standard Specification for Liquid Applied Moisture Cured Polyurethane Coating Used in Spray Polyurethane Foam Roofing System
D 7032—10 <i>a</i>	Standard Specification for Establishing Performance Ratings for Wood-plastic Composite Deck Boards and Guardrail Systems (Guards or Handrails).
D 7158—08 <i>d</i>	Standard Test Method for Wind Resistance of Sealed Asphalt Shingles (Uplift Force/ Uplift Resistance Method)

E 84—10 <i>b</i>	Test Method for Surface Burning Characteristics of Building Materials
E 90—04	Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
E 96/E 96M—05	Test Method for Water Vapor Transmission of Materials
E 108—10 <i>a</i>	Test Methods for Fire Tests of Roof Coverings
E 119—10 <i>b</i>	Test Methods for Fire Tests of Building Construction and Materials
E 136—09 <i>b</i>	Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C
E 283—04	Test Method for Determining the Rate of Air Leakage through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen
E 330—02 (2010)	Test Method for Structural Performance of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference
E 331—00 (2009)	Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference
E 492—09	Specification for Laboratory Measurement of Impact Sound Transmission through Floor-ceiling Assemblies Using the Tapping Machine
E 814—10	Test Method for Fire Tests of Through-penetration Firestops
E 970—10	Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source
E 1509—04	Standard Specification for Room Heaters, Pellet Fuel-burning Type
E 1602—03(2010) <i>e1</i>	Guide for Construction of Solid Fuel Burning Masonry Heaters
E 1886—05	Test Method for Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters Impacted by Missiles and Exposed to Cyclic Pressure Differentials
E 1996—09	Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact

	Protective Systems Impacted by Windborne Debris in Hurricanes
E 2178—03	Standard Test Method for Air Permeance of Building Materials
E 2231—09	Standard Practice for Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics
E 2273—03	Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies
E 2568—09 <i>e1</i>	Standard Specification for PB Exterior Insulation and Finish Systems (EIFS)
E 2570—07	Standard Test Methods for Evaluating Water-resistant Barrier (WRB) Coatings Used Under Exterior Insulation and Finish Systems (EIFS) or EIFS with Drainage
F 876—10	Specification for Cross-linked Polyethylene (PEX) Tubing
F 877—07	Specification for Cross-linked Polyethylene (PEX) Plastic Hot-and Cold-water Distribution Systems
F 1055—98(2006)	Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene Pipe and Fittings
F 1281—07	Specification for Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Pressure Pipe
F 1282—10	Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe
F 1554—07 <i>a</i>	Specification for Anchor Bolts, Steel, 36, 55 and 105-ksi Yield Strength
F 1667—10	Specification for Driven Fasteners, Nails, Spikes and Staples
F 1807—10 <i>e1</i>	Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing
F 1960—10	Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing
F 1973—08	Standard Specification for Factory Assembled Anodeless Risers and Transition Fittings in

	Polyethylene (PE) and Polyamide 11 (PA 11) Fuel Gas Distribution Systems
F 2090—10	Specification for Window Fall Prevention Devices—with Emergency Escape (Egress) Release Mechanisms
F 2098—08	Standard Specification for Stainless Steel Clamps for SDR9 PEX Tubing to Metal Insert Fittings
F 2389—10	Standard for Pressure-rated Polypropylene (PP) Piping Systems
F 2623—08	Standard Specification for Polyethylene of Raised Temperature (PE-RT) SDRG Tubing

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

**AWPA**  
**Standard**  
**reference**  
**number**

	<b>Title</b>
C1—03	All Timber Products—Preservative Treatment by Pressure Processes
M4—06	Standard for the Care of Preservative-treated Wood Products
U1—10	USE CATEGORY SYSTEM: User Specification for Treated Wood Except Section 6 Commodity Specification H

Canadian General Standards Board  
Place du Portage 111, 6B1 11 Laurier Street  
Gatineau, Quebec, Canada KIA 1G6

**CGSB**  
**Standard**  
**reference**  
**number**

	<b>Title</b>
37-GP—52M—(1984)	Roofing and Waterproofing Membrane, Sheet Applied, Elastomeric
37-GP—56M—(1985)	Membrane, Modified Bituminous, Prefabricated and Reinforced for Roofing—with December 1985 Amendment
CAN/CGSB-37.54—95	Polyvinyl Chloride Roofing and Waterproofing Membrane

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

**CPA**

**Standard  
reference**

**number**

ANSI A135.4—04

ANSI A135.5—04

ANSI A135.6—06

**Title**

Basic Hardboard

Prefinished Hardboard Paneling

Hardboard Siding

Consumer Product Safety Commission  
4330 East West Highway  
Bethesda, MD 20814-4408

**CPSC**

**Standard  
reference**

**number**

16 CFR Part 1201—(1977)

16 CFR Part 1209—(1979)

16 CFR Part 1404—(1979)

**Title**

Safety Standard for Architectural Glazing

Interim Safety Standard for Cellulose  
Insulation

Cellulose Insulation

Canadian Standards Association  
5060 Spectrum Way  
Mississauga, Ontario, Canada L4N 5N6

**CSA**

**Standard  
reference**

**number**

CSA Requirement 3—88

CSA 8-93

O325—07

**Title**

Manually Operated Gas Valves for Use in House  
Piping Systems

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

Construction Sheathing

O437-Series—93	Standards on OSB and Waferboard (Reaffirmed 2006)
101/I.S.2/A440—08	Specifications for Windows, Doors and Unit Skylights
CAN/CSA B137.10M—09	Cross-linked Polyethylene/Aluminum/Polyethylene Composite Pressure Pipe Systems

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

**CSSB**

**Standard  
reference  
number**

**Title**

CSSB—97

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

Door and Access Systems Manufacturers Association International  
1300 Summer Avenue  
Cleveland, OH 44115-2851

**DASMA**

**Standard  
reference  
number**

**Title**

108—05

Standard Method for Testing Garage Doors: Determination of Structural Performance Under Uniform Static Air Pressure Difference

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

**DOC**

**Standard  
reference  
number**

**Title**

PS 1—07

Structural Plywood

PS 2—04 Performance Standard for Wood-based Structural-use Panels

R803.2.1/ PS 20—05 American Softwood Lumber Standard

Department of Transportation  
1200 New Jersey Avenue SE East Building, 2nd floor  
Washington, DC 20590

### **DOTn**

#### **Standard reference number**

#### **Title**

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

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

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

### **FEMA**

#### **Standard reference number**

#### **Title**

TB-2—08

Flood Damage-Resistant Materials Requirements

FIA-TB-11—01

Crawlspace Construction for Buildings Located in Special  
Flood Hazard Area

Factory Mutual Global Research Standards Laboratories  
Department 1301 Atwood Avenue, P. O. Box 7500  
Johnson, RI 02919

### **FM**

#### **Standard reference number**

#### **Title**

4450—(1989)

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

4880—(2010)

American National Standard for Evaluating Insulated Wall  
or Wall and Roof/Ceiling Assemblies, Plastic Interior  
Finish Materials, Plastic Exterior Building Panels,

Wall/Ceiling Coating Systems, Interior or Exterior Finish  
Systems

Gypsum Association  
810 First Street, Northeast, Suite 510  
Washington, DC 20002-4268

**GA**

**Standard  
reference  
number**

**Title**

GA-253—07

Application of Gypsum Sheathing

Hardwood Plywood & Veneer Association  
1825 Michael Faraday Drive  
Reston, Virginia 20190-5350

**HPVA**

**Standard  
reference  
number**

**Title**

HP-1—2009

The American National Standard for Hardwood and  
Decorative Plywood

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

**ICC**

**Standard  
reference  
number**

**Title**

ICC/ANSI A117.1 - 09

Accessible and Usable Buildings and Facilities

ICC 400 - 07

Standard on the Design and Construction of Log  
Structures

ICC 500 - 08

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

ICC 600 - 08

Standard for Residential Construction in High Wind  
Regions

IEBC-09

International Existing Buildings Code

IECC - 09	International Energy Conservation Code ( <i>adoption includes only section 101 of chapter 1 and chapters 2 through 6</i> )
IFGC - 09	International Fuel Gas Code ( <i>including ICC Emergency Amendment changing section 406.7</i> )

International Organization for Standardization  
1, ch. de la Voie -Creuse Case postale 56 CH-1211  
Geneva 20, Switzerland

### ISO

**Standard  
reference  
number**

**Title**

15874—03

Polypropylene Plastic Piping Systems for Hot and Cold Water Installations

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

### MSS

**Standard  
reference  
number**

**Title**

SP-58—09

Pipe Hangers and Supports—Materials, Design and Manufacture

North American Insulation Manufacturers Association  
44 Canal Center Plaza, Suite 310  
Alexandria, VA 22314

### NAIMA

**Standard  
reference  
number**

**Title**

AH 116—02

Fibrous Glass Duct Construction Standards, Fifth Edition

National Concrete Masonry Association  
13750 Sunrise Valley Drive  
Herndon, VA 20171-4662

**NCMA  
Standard  
reference  
number**

TR 68-A—75

**Title**

Design and Construction of Plain and Reinforced Concrete Masonry and Basement and Foundation Walls

National Fire Protection Association  
1 Batterymarch Park  
Quincy, MA 02269

**NFPA  
Standard  
reference  
number**

13—10

13D—10

13R-10

30-15

31—~~06~~11

37-10

58—11

70—~~11~~14

72—10

85—07

110-10

111-10

211—10

259—08

286—06

501—05

**Title**

Installation of Sprinkler Systems (*including TIA 10-2*)

Standard for the Installation of Sprinkler Systems in One- and Two-family Dwellings and Manufactured Homes (*including TIA 10-2*)

*Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height (including TIA 10-2)*

*Flammable and Combustible Liquids Code*

Installation of Oil-burning Equipment

*Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines*

Liquefied Petroleum Gas Code

National Electrical Code

National Fire Alarm *and Signaling* Code

Boiler and Construction Systems Hazards Code

*Standard for Emergency and Standby Power Systems*

*Standard on Stored Electrical Energy Emergency and Standby Power Systems*

Chimneys, Fireplaces, Vents and Solid Fuel Burning Appliances

Test Method for Potential Heat of Building Materials

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

Standard on Manufactured Housing

853—10 Standard for the Installation of Stationary Fuel Cell Power Systems

National Fenestration Rating Council Inc.  
8484 Georgia Avenue, Suite 320  
Silver Spring, MD 20910

**NFRC**  
**Standard**  
**reference**  
**number**

	<b>Title</b>
100—10	Procedure for Determining Fenestration Product U-factors
200—10	Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence
400—10	Procedure for Determining Fenestration Product Air Leakage

Portland Cement Association  
5420 Old Orchard Road  
Skokie, IL 60077

**PCA**  
**Standard**  
**reference**  
**number**

	<b>Title</b>
100—07	Prescriptive Design of Exterior Concrete Walls for One- and Two-family Dwellings (Pub. No. EB241)

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

**SMACNA**  
**Standard**  
**reference**  
**number**

	<b>Title</b>
SMACNA—03	Fibrous Glass Duct Construction Standards (2003)

The Masonry Society  
3970 Broadway, Suite 201-D

Boulder, CO 80304

**TMS  
Standard  
reference  
number**

**Title**

302—07	Standard Method for Determining the Sound Transmission Class Rating for Masonry Walls
402—08	Building Code Requirements for Masonry Structures
602—08	Specification for Masonry Structures

Truss Plate Institute  
583 D'Onofrio Drive, Suite 200  
Madison, WI 53719

**TPI  
Standard  
reference  
number**

**Title**

TPI 1—2007	National Design Standard for Metal-plate-connected Wood Truss Construction
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Underwriters Laboratories, Inc.  
333 Pfingsten Road  
Northbrook, IL 60062

**UL  
Standard  
reference  
number**

**Title**

17—08	Vent or Chimney Connector Dampers for Oil-fired Appliances
58—96	Steel Underground Tanks for Flammable and Combustible Liquids—with Revisions through July 1998
80—07	Steel Tanks for Oil-burner Fuel
103—10	Factory-built Chimneys for Residential Type and Building Heating Appliances
127—08	Factory-built Fireplaces
174—04	Household Electric Storage Tank Water Heaters—with Revisions through November 2005
181—05	Factory-made Air Ducts and Air Connectors

181A—05	Closure Systems for Use with Rigid Air Ducts and Air Connectors
181B—05	Closure Systems for Use with Flexible Air Ducts and Air Connectors
217—06	Single- and Multiple-station Smoke Alarms
263—03	Standards for Fire Test of Building Construction and Materials
325—02	Standard for Door, Drapery, Gate, Louver and Window Operations and Systems—with Revisions through February 2006
343—08	Pumps for Oil-burning Appliances
441—10	Gas Vents
508—99	Industrial Control Equipment—with Revisions through July 2005
536—97	Flexible Metallic Hose—with Revisions through June 2003
641—95	Type L, Low-temperature Venting Systems—with Revisions through August 2005
651—05	Schedule 40 and Schedule 80 Rigid PVC Conduit and Fittings
723—08	Standard for Test for Surface Burning Characteristics of Building Materials
726—95	Oil-fired Boiler Assemblies—with Revisions through March 2006
727—06	Oil-fired Central Furnaces
729—03	Oil-fired Floor Furnaces
730—03	Oil-fired Wall Furnaces
732—95	Oil-fired Storage Tank Water Heaters
737—07	Fireplaces Stoves
790—04	Standard Test Methods for Fire Tests of Roof Coverings
795—06	Commercial-industrial Gas Heating Equipment.
834—04	Heating, Water Supply and Power Boilers-Electric
896—93	Oil-burning Stoves—with Revisions through May 2004
923—08	Microwave Cooking Appliances-
959—01	Medium Heat Appliance Factory-built Chimneys—with Revisions through September 2006
1040—96	Fire Test of Insulated Wall Construction—with Revisions through June 2001
1256—02	Fire Test of Roof Deck Construction.
1261—01	Electric Water Heaters for Pools and Tubs—with Revisions through June 2004

1453—04	Electronic Booster and Commercial Storage Tank Water Heaters
1479—03	Fire Tests of Through-penetration Firestops
1482—10	Solid-fuel-type Room Heaters
1715—97	Fire Test of Interior Finish Material—with Revisions through March 2004
1738—10	Venting Systems for Gas-burning Appliances, Categories II, III and IV
1777—07	Standard for Chimney Liners
1995—05	Heating and Cooling Equipment.
2017—08	Standard for General-purpose Signaling Devices and Systems—with Revisions through June 2004
2034—08	Standard for Single- and Multiple-station Carbon Monoxide Alarms.
2158A—10	Outline of Investigation for Clothes Dryer Transition Duct
<u>2200-12</u>	<u>Stationary Engine Generator Assemblies</u>

Underwriters' Laboratories of Canada  
7 Underwriters Road Toronto,  
Ontario, Canada M1R 3B4

**ULC**  
**Standard**  
**reference**  
**number**

	<b>Title</b>
CAN/ULC S 102—10	Standard Methods for Test for Surface Burning Characteristics of Building Materials and Assemblies

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

**US-FTC**  
**Standard**  
**reference**  
**number**

	<b>Title</b>
CFR Title 16 Part 460	R-value Rule

Window & Door Manufacturers Association  
1400 East Touhy Avenue, Suite 470

Des Plaines, IL 60018

**WDMA  
Standard  
reference  
number**

AAMA/WDMA/CSA  
101/I.S2/A440—08

**Title**

Specifications for Windows, Doors and Skylights