

4101:2-15-01 Referenced standards.

1501.1 General. This chapter lists the *codes and 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 *the title*. The application of the referenced standards shall be as specified in Section 102.5 of the building code.

1501.2 Referenced codes: When indicated in the OMC, the following codes refer to provisions in the listed chapters of the Administrative Code:

Referenced code	Ohio Administrative Code chapters
<i>Building Code</i>	<i>4101:1-1 to 4101:1-35</i>
<i>Fire Code</i>	<i>1301:7-1 to 1301:7-7</i>
<i>Ohio Boiler and Pressure Vessel Rules</i>	<i>4101:4-1 to 4101:4-10</i>
<i>Plumbing Code</i>	<i>4101:3-1 to 4101:3-13</i>

1501.3 Referenced Standards.

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

Standard reference number	Title
Manual D—95 183—2007	Residential Duct Systems Peak Cooling and Heating Load Calculations in Buildings Except Low-Rise Residential Buildings

AHRI Air-Conditioning, Heating and Refrigeration Institute
4100 North Fairfax Drive, Suite 200
Arlington, VA 22203

Standard reference number	Title
700—06	Purity Specifications for Fluorocarbon and Other Refrigerants

ANSI American National Standards Institute

11 West 42nd Street
New York, NY 10036

Standard reference number

Title

Z21.8—1994 (R2002) Installation of Domestic Gas Conversion Burners

ASHRAE American Society of Heating, Refrigerating and Air-Conditioning

Engineers, Inc.
1791 Tullie Circle, NE
Atlanta, GA 30329

Standard reference number

Title

<i>Handbook—2009</i>	ASHRAE Fundamentals Handbook—
15—2010	Safety Standard for Refrigeration Systems
34—2010	Designation and Safety Classification of Refrigerants
62.1—2010	Ventilation for Acceptable Indoor Air Quality
62.2. -2010	<i>Ventilation for Acceptable Indoor Air Quality in Low-Rise Residential Buildings</i>
170-2008	<i>Ventilation of Health Care Facilities (with addendums a through h-2011)</i>

ASME American Society of Mechanical Engineers

Three Park Avenue
New York, NY 10016-5990

Standard reference number

Title

B1.20.1—1983 (R2006)	Pipe Threads, General Purpose (Inch
B16.3—2006	Malleable Iron Threaded Fittings, Classes 150 & 300
B16.5—2009	Pipe Flanges and Flanged Fittings NPS 1/2 through NPS 24—.
B16.9—2007	Factory Made Wrought Steel Buttwelding Fittings

B16.11—2009	Forged Fittings, Socket-welding and Threaded
B16.15—2006	Cast Bronze Threaded Fittings
B16.18—2001	
(Reaffirmed 2005)	Cast Copper Alloy Solder Joint Pressure Fittings
B16.22—2001	
(Reaffirmed 2005)	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings
B16.23—2002	
(Reaffirmed 2006)	Cast Copper Alloy Solder Joint Drainage Fittings DWV
B16.24—2006	Cast Copper Alloy Pipe Flanges and Flanged Fittings: Class 150, 300, 400, 600, 900, 1500 and
B16.26—2006	Cast Copper Alloy Fittings for Flared Copper Tubes
B16.28—1994	Wrought Steel Buttwelding Short Radius Elbows and Returns
B16.29—2007	Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings-
B31.9—2010	Building Services Piping
BPVC—2010	Boiler & Pressure Vessel Code
<i>BPVC Section IX-2010</i>	<i>Welding and Brazing Qualifications</i>
CSD-1—2009	Controls and Safety Devices for Automatically Fired Boilers

ASSE American Society of Sanitary Engineering

901 Canterbury, Suite A
Westlake, OH 44145

Standard reference number

Title

1017—09 Temperature Actuated Mixing *Valves* for Hot Water Distribution Systems

ASTM ASTM International

100 Barr Harbor Drive
West Conshohocken, PA 19428

Standard reference number

Title

A 53/A 53M—10	Specification for Pipe, Steel, Black and Hot-dipped, Zinc-coated Welded and Seamless
A 106/A106M—10	Specification for Seamless Carbon Steel Pipe for High-Temperature Service
A 126—04 (2009)	Specification for Gray Iron Castings for Valves, Flanges and Pipe Fittings
A 254—97 (2007)	Specification for Copper Brazed Steel Tubing
A 420/A 420M—10	Specification for Piping Fittings of Wrought Carbon Steel and Alloy

	Steel for Low-Temperature Service
A 539—99	Specification for Electric-Resistance-Welded Coiled Steel Tubing for Gas and Fuel Oil Lines
B 32—08	Specification for Solder Metal
B 42—10	Specification for Seamless Copper Pipe, Standard Sizes
B 43—09	Specification for Seamless Red Brass Pipe, Standard
B 68—02	Specification for Seamless Copper Tube, Bright Annealed
B 75—02	Specification for Seamless Copper
B 88—09	Specification for Seamless Copper Water
B 135—10	Specification for Seamless Brass Tube
B 251—10	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube
B 280—08	Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service
B 302—07	Specification for Threadless Copper Pipe, Standard
B 813—10	Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube
C 315—07	Specification for Clay Flue Liners and Chimney Pots
C 411—05	Test Method for Hot-surface Performance of High-temperature Thermal Insulation
D 56—05 (2010)	Test Method for Flash Point by Tag Closed Tester
D 93—10a	Test Method for Flash Point of Pensky-Martens Closed Cup Tester
D 1527—99(2005)	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe, Schedules 40 and 80
D 1693—08	Test Method for Environmental Stress-Cracking of Ethylene Plastics
D 1785—06	Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe, Schedules 40, 80 and 120
D 2235—04	Specifications for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings
D 2241—09	Specification for Poly (Vinyl Chloride)(PVC) Pressure-rated Pipe (SDR-Series)
D 2282—99(2005)	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe (SDR-PR)
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 2466—06	Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe Fittings, Schedule 40
D 2467—06	Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe Fittings, Schedule 80
D 2468—96a	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe Fittings, Schedule 40
D 2513—09a	Specification for Thermoplastic Gas Pressure Pipe, Tubing, and
D 2564—04(2009)e01	Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems
D 2657—07	Standard Practice for Heat Fusion Joining of Polyolefin Pipe and Fittings

D 2683—10	Specification for Socket-type Polyethylene Fittings for Outside Diameter-controlled Polyethylene Pipe and Tubing
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 2996—01(2007)e01	Specification for Filament-wound Fiberglass (Glass Fiber Reinforced Thermosetting Resin) Pipe
D 3035—08	Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter
D 3278—96(2004)e01	Test Methods for Flash Point of Liquids by Small Scale Closed-cup Apparatus
D 3261—10a	Standard Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and
D 3309—96a(2002)	Specification for Polybutylene (PB) Plastic Hot and Cold Water Distribution Systems
D 3350—10	Specification for Polyethylene Plastics Pipe and Fittings Materials
E 84—10b	Test Method for Surface Burning Characteristics of Building Materials
E 119—10b	Test Method for Fire Tests of Building Construction and
E 136—09b	Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 Degrees C
E 814—10	Test Method for Fire Tests of Through-penetration Fire
E 1509—04	Specification for Room Heaters, Pellet Fuel-burning
E 2231—09	Standard Practice For Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics
E 2336-04 (2009)	Standard Test Methods for Fire Resistive Grease Duct Enclosure Systems
F 438—09	Specification for Socket Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40
F 439—09	Specification for Socket Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80
F 441/F 441M—09	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and
F 442/F 442M—09	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR).
F 493—10	Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings
F 876—10	Specification for Crosslinked Polyethylene (PEX) Tubing
F 877—07	Specification for Crosslinked 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
F 1281—07	Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe
F 1282—10	Standard Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe
F 1476-07	Specification for Performance of Gasketed Mechanical Couplings for

	Use in Piping Applications
F 1924—05	Standard Specification for Plastic Mechanical Fittings for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing
F 1974—09	Standard Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene Composite Pressure Pipe
F 2389—10	Specification for Pressure-Rated Polypropylene Piping Systems
F 2623—08	Standard Specification for Polyethylene of Raised Temperature (PE-RT) SDR 9 Tubing ¹

AWS American Welding Society
550 N.W. LeJeune Road P.O. Box 351040
Miami, FL 33135

**Standard
reference
number**

Title

A5.8—2004 Specifications for Filler Metals for Brazing and Braze Welding.

AWWA American Water Work Association
6666 West Quincy Avenue
Denver, CO 80235

**Standard
reference
number**

Title

C110/A21.10—08	Standard for Ductile Iron & Gray Iron Fittings, 2 inches Through 48 inches for Water
C115/A21.15—05	Standard for Flanged Ductile-iron Pipe with Ductile Iron or Grey-iron Threaded Flanges
C151/A21.51—09	Standard for Ductile-Iron Pipe, Centrifugally Cast for Water
C153/A21.53—06	Standard for Ductile-Iron Compact Fittings for Water Service

CSA Canadian Standards Association
5060 Spectrum Way Mississauga,
Ontario, Canada L4W 5N6

Standard reference number	Title
B137.9-M91 CAN/CSA	Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure-Pipe Systems
B137.10—05	Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Composite Pressure-Pipe Systems
ANSI CSA America FC1-04	Stationary Fuel Cell Power Systems

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

Standard reference number	Title
29CFRPart 1910.1000 (1974)	Air Contaminants
29CFRPart 1910. 1025	Toxic and Hazardous Substances

FS Federal Specifications*
General Services Administration
7th & D Streets Specification Section, Room 6039
Washington, DC 20407

Standard reference number	Title
WW-P-325B (1976)	Pipe, Bends, Traps, Caps and Plugs; Lead (for Industrial Pressure and Soil and Waste Applications)

*Standards are available from the Supt. of Documents, U.S. Government Printing Office,
Washington, DC 20402-9325.

ICC International Code Council, Inc.
500 New Jersey Ave, NW
6th Floor ICC

Washington, DC 20001

**Standard
reference
number**

Title

IFGC—09

International Fuel Gas Code (*including ICC Emergency Amendment changing IFGC Sections 406.7*)

IIAR

International Institute of Ammonia Refrigeration

1110 North Glebe Road
Arlington, VA 22201

**Standard
reference
number**

Title

2—99 (with Addendum A-2005)

Equipment, Design, and Installation of Ammonia Mechanical Refrigerating Systems

MSS

Manufacturers Standardization Society of the Valve & Fittings Industry, Inc. 1

27 Park Street, N.E.
Vienna, VA 22180

**Standard
reference
number**

Title

SP-69—2003

Pipe Hangers and Supports—Selection and Application

NAIMA

North American Insulation Manufacturers Association

44 Canal Center Plaza, Suite 310 Alexandria, VA 22314

**Standard
reference
number**

Title

AH116—02

Fibrous Glass Duct Construction Standards

NFPA National Fire Protection Association

1 Batterymarch Park
Quincy, MA 02169-7471

Standard reference number

Title

<u>30-15</u>	<u>Flammable and Combustible Liquids Code</u>
30A—08	Code for Motor Fuel-dispensing Facilities and Repair Garages
31— 06 <u>11</u>	Installation of Oil-burning Equipment
37—10	Stationary Combustion Engines and Gas Turbines
58—11	Liquefied Petroleum Gas Code
69—08	Explosion Prevention Systems
70—14	National Electrical Code
72—10	National Fire Alarm and Signaling Code (including TIA 10-4 and TIA 10-5)
75-09	Protection of Information Technology Equipment
82—09	Incinerators and Waste and Linen Handling Systems and Equipment
85-07	Boiler and Combustion Systems Hazards Code
91—10	Exhaust Systems for Air Conveying of Vapors, Gases, and Noncombustible Particulate Solids
92B—09	Smoke Management Systems in Malls, Atria and Large Spaces
<u>96-14</u>	<u>Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations</u>
211—10	Chimneys, Fireplaces, Vents and Solid Fuel-burning Appliances
262—07	Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-handling Spaces
704—07	Identification of the Hazards of Materials for Emergency Response
853—10	Installation of Stationary Fuel Power Plants

SMACNA Sheet Metal & Air Conditioning Contractors National Assoc., Inc.

4201 Lafayette Center Drive
Chantilly, VA 20151-1209

Standard reference number

Title

SMACNA/ANSI—2005	HVAC Duct Construction Standards—Metal and Flexible (2005)
SMACNA—03	Fibrous Glass Duct Construction Standards

UL Underwriters Laboratories, Inc.

333 Pfingsten Road
Northbrook, IL 60062-2096

**Standard
reference
number**

Title

17—08	Vent or Chimney Connector Dampers for Oil-fired Appliances
103—10	Factory-built Chimneys, Residential Type and Building Heating Appliance
127—08	Factory-built Fireplaces
174—04	Household Electric Storage Tank Water Heaters—with Revisions through May 2006
181—05	Factory-made Air Ducts and Air Connectors—with Revisions through December 1998
181A—05	Closure Systems for Use with Rigid Air Ducts and Air Connectors—with Revisions through December 1998
181B—05	Closure Systems for Use with Flexible Air Ducts and Air Connectors—with Revisions through December 1998
207—01	Refrigerant-containing Components and Accessories, Nonelectrical—with Revisions through November 2004
263—03	Standard for Fire Test of Building Construction and Materials
268—09	Smoke Detectors for Fire Prevention Signaling Systems
268A—08	Smoke Detectors for Duct Applications
343—08	Pumps for Oil-Burning Appliances
391—10	Solid-fuel and Combination-fuel Central and Supplementary Furnaces
412—04	Refrigeration Unit Coolers—with Revisions through February 2007 .
471—10	Commercial Refrigerators and Freezers
508—99	Industrial Control Equipment—with Revisions through July 2005
536—97	Flexible Metallic Hose—with Revisions through June 2003
555—06	Fire Dampers—with Revisions through January 2002.
555C—06	Ceiling Dampers
555S—99	Smoke Dampers—with Revisions through July 2006
586—09	High-efficiency, Particulate, Air Filter Units
641—95	Type L Low-temperature Venting Systems—with Revisions through August 2005
710—95	Exhaust Hoods for Commercial Cooking Equipment—with Revisions through February 2007.
710B—04	Recirculating Systems
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—with Revisions through January 1999
730—03	Oil-fired Wall Furnaces—with Revisions through January 1999
731—95	Oil-fired Unit Heaters—with Revisions through February 2006
732—95	Oil-fired Storage Tank Water Heaters—with Revisions through February 2005
737—07	Fireplace Stoves
762—03	Outline of Investigation for Power Ventilators for Restaurant Exhaust

	Appliances
791—06	Residential Incinerators.
834—04	Heating, Water Supply and Power Boilers Electric—with Revisions through March 2006
858—05	Household Electric Ranges—with Revisions through April 2006
867—00	Electrostatic Air Cleaners—with Revisions through May 2004
875—09	Electric Dry Bath Heater
896—93	Oil-burning Stoves—with Revisions through May 2004
900—04	Air Filter Units
923—08	Microwave Cooking Appliances
959—01	Medium Heat Appliance Factory-built Chimneys—with Revisions through September 2006
1240—05	Electric Commercial Clothes
1261—01	Electric Water Heaters for Pools and Tubs—with Revisions through June 2004
1453—04	Electric Booster and Commercial Storage Tank Water Heaters—with Revisions through May 2006
1482—10	Solid-fuel Type Room Heaters
1777—07	Chimney Liners .
1812—09	Standard for Ducted Heat Recovery Ventilators
1815—09	Standard for Nonducted Heat Recovery Ventilators
1820—04	Fire Test of Pneumatic Tubing for Flame and Smoke Characteristics
1887—04	Fire Tests of Plastic Sprinkler Pipe for Visible Flame and Smoke Characteristics
1978—05	Grease Ducts
1995—05	Heating and Cooling Equipment .
<u>2085-10</u>	<u>Protected Above-Ground Tanks for Flammable and Combustible Liquids</u>
2158—97	Electric Clothes Dryers—with Revisions through May 2004
2162—01	Outline of Investigation for Commercial Wood-fired Baking Ovens—Refractory Type
2200— 9812	Stationary <u>Stationary</u> Engine Generator Assemblies
2221—10	Tests of Fire Resistive Grease Duct Enclosure Assemblies