

## CHAPTER 15

# REFERENCED STANDARDS

This chapter lists the standards that are referenced in various sections of this document. The standards are listed herein by the promulgating agency of the standard, the standard identification, the effective date and title, and the section or sections of this document that reference the standard. The application of the referenced standards shall be as specified in Section ((102.8)) 103.5.

### ACCA

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

Standard reference number	Title	Referenced in code section number
Manual D—2011	Residential Duct Systems . . . . .	601.4, 603.2
183—2007 (reaffirmed 2011)	Peak Cooling and Heating Load Calculations in Buildings Except Low-rise Residential Buildings . . . . .	.312.1

### AHRI

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

Standard reference number	Title	Referenced in code section number
700—2011 with Addendum 1	Purity Specifications for Fluorocarbon and Other Refrigerants . . . . .	1102.2.2.3

### AMCA

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

Standard reference number	Title	Referenced in code section number
550—08	Test Method for High Velocity Wind Driven Rain Resistant Louvers . . . . .	401.5, 501.3.2

### ANSI

American National Standards Institute  
11 West 42nd Street  
New York, NY 10036

Standard reference number	Title	Referenced in code section number
Z21.8—1994 (R2002)	Installation of Domestic Gas Conversion Burners . . . . .	.919.1

REFERENCED STANDARDS

**ASHRAE** ASHRAE  
1791 Tullie Circle, NE  
Atlanta, GA 30329

Standard reference number	Title	Referenced in code section number
ASHRAE—2013	ASHRAE Fundamentals Handbook . . . . .	603.2
15—2013	Safety Standard for Refrigeration Systems. . . . .	1101.6, 1105.8, 1108.1
34—2013	Designation and Safety Classification of Refrigerants . . . . .	202, 1102.2.1, 1103.1
62.1—2013	Ventilation for Acceptable Indoor Air Quality. . . . .	403.3.1.1.2.3.2
<u>62.2—2010</u>	<u>Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings</u> . . . . .	<u>403.8.11</u>
170—2008	Ventilation of Health Care Facilities . . . . .	407
180—2012	Standard Practice for Inspection and Maintenance of Commercial Building HVAC Systems . . . . .	102.3

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

Standard reference number	Title	Referenced in code section number
B1.20.1—1983 (R2006)	Pipe Threads, General Purpose (Inch) . . . . .	1203.3.5, 1303.3.3
B16.3—2011	Malleable Iron Threaded Fittings, Classes 150 & 300 . . . . .	Table 1202.5
B16.5—2009	Pipe Flanges and Flanged Fittings NPS 1/2 through NPS 24 . . . . .	Table 1202.5
B16.9—2007	Factory Made Wrought Steel Butt welding Fittings . . . . .	Table 1202.5
B16.11—2011	Forged Fittings, Socket-welding and Threaded . . . . .	Table 1202.5
B16.15—2011	Cast Bronze Threaded Fittings . . . . .	Table 1202.5
B16.18—2012	Cast Copper Alloy Solder Joint Pressure Fittings . . . . .	513.13.1, Table 1202.5
B16.22—(R2010)	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings . . . . .	513.13.1, Table 1202.5
B16.24—2011	Cast Copper Alloy Pipe Flanges and Flanged Fittings: Class 150, 300, 400, 600, 900, 1500 and 2500. . . . .	Table 1202.5
B16.26—2011	Cast Copper Alloy Fittings for Flared Copper Tubes. . . . .	Table 1202.5
B16.28—1994	Wrought Steel Butt welding Short Radius Elbows and Returns . . . . .	Table 1202.5
B16.51—2011	Copper and Copper Alloy Press-Connect Pressure Fittings . . . . .	Table 1202.5
B31.5—2010	Refrigeration Piping and Heat Transfer Components . . . . .	1107.1
<u>B31.5—2010</u>	<u>Refrigeration Piping and Heat Transfer Components</u> . . . . .	<u>1107.5.1</u>
B31.9—2011	Building Services Piping . . . . .	1201.3
BPVC—2010/ 2011 addenda	ASME Boiler & Pressure Vessel Code—07 Edition . . . . .	1009.2, 1003.1, 1004.1, 1011.1
CSD-1—2011	Controls and Safety Devices for Automatically Fired Boilers . . . . .	1004.1

**ASSE** American Society of Safety Engineers  
1800 East Oakton Street  
Des Plaines, IL 60018

Standard reference number	Title	Referenced in code section number
ANSI/ASSE Z359.1-2007	Safety Requirements for Personal Fall Arrest Systems, Subsystems and Components, Part of the Fall Protection Code . . . . .	304.11

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

Standard reference number	Title	Referenced in code section number
1017—2010	Performance Requirements for Temperature Actuated Mixing Valves for Hot Water Distribution Systems . . . . .	1002.2.2



ASTM International  
100 Barr Harbor Drive  
West Conshohocken, PA 19428

Standard reference number	Title	Referenced in code section number
A 53/A 53M—12	Specification for Pipe, Steel, Black and Hot-dipped, Zinc-coated Welded and Seamless. . . . .	Table 1202.4, Table 1202.5, Table 1302.3
A 106/A106M—11	Specification for Seamless Carbon Steel Pipe for High-Temperature Service . . . . .	Table 1302.3, Table 1202.5 Table 1202.4 Table 1302.3
A 126—09	Specification for Gray Iron Castings for Valves, Flanges and Pipe Fittings . . . . .	Table 1202.5
A 234/A234M—11a	Standard Specification for Piping Fittings of Wrought Carbon Steel And Alloy Steel For Moderate and High Temperature Service . . . . .	Table 1202.5
A 254—97 (2007)	Specification for Copper Braze Steel Tubing. . . . .	Table 1202.4, Table 1302.3
A 395/A395M-99(2009)	Standard Specification for Ferritic Ductile Iron Pressure-Retaining Castings for Use at Elevated Temperatures . . . . .	Table 1202.5, Table 1302.3
A 420/A 420M—10A	Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service . . . . .	Table 1202.5
A 536-84(2009)	Standard Specification for Ductile Iron Castings. . . . .	Table 1202.5
A 539—99	Specification for Electric-resistance-welded Coiled Steel Tubing for Gas and Fuel Oil Lines. . . . .	Table 1302.3
B 32—08	Specification for Solder Metal . . . . .	1203.3.3
B 42—10	Specification for Seamless Copper Pipe, Standard Sizes. . . . .	513.13.1, 1107.5.2, Table 1302.3 Table 1202.4, Table 1302.3
B 43—09	Specification for Seamless Red Brass Pipe, Standard Sizes . . . . .	513.13.1, 1107.5.2, Table 1302.3 Table 1202.4, Table 1302.3
B 68—11	Specification for Seamless Copper Tube, Bright Annealed. . . . .	513.13.1
B75—11	Specification for Seamless Copper Tube . . . . .	Table 1302.3
B 88—09	Specification for Seamless Copper Water Tube. . . . .	513.13.1, 1107.5.3, Table 1202.4, Table 1302.3
B 135—10	Specification for Seamless Brass Tube . . . . .	Table 1202.4
B 251—10	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube . . . . .	513.13.1, Table 1202.4
B 280—08	Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service . . . . .	513.13.1, 1107.5.3, Table 1302.3
B 302—12	Specification for Threadless Copper Pipe, Standard Sizes . . . . .	Table 1202.4, Table 1302.3
B 813—10	Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube. . . . .	1203.3.3
C 315—07(2011)	Specification for Clay Flue Liners and Chimney Pots. . . . .	801.16.1, Table 803.10.4
C 411—11	Test Method for Hot-surface Performance of High-temperature Thermal Insulation . . . . .	604.3
D 56—05(2010)	Test Method for Flash Point by Tag Closed Tester . . . . .	202
D 93—12	Test Method for Flash Point of Pensky-Martens Closed Cup Tester. . . . .	202
D 1527—99(2005)	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe, Schedules 40 and 80 . . . . .	Table 1202.4
D 1693—13	Test Method for Environmental Stress-Cracking of Ethylene Plastics . . . . .	Table 1202.4
D 1785—12	Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe, Schedules 40, 80 and 120. . . . .	Table 1202.4, Table 1210.4
D 2235—04(2011)	Specifications for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings. . . . .	1203.3.4
D 2241—09	Specification for Poly (Vinyl Chloride)(PVC) Pressure-rated Pipe (SDR-Series) . . . . .	Table 1202.4, Table 1210.4
D 2282—99(2005)	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe (SDR-PR) . . . . .	Table 1202.4
D 2412—11	Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-plate Loading . . . . .	603.8.3
D2464—13	Standard Specification for Threaded Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80 . . . . .	Table 1210.5
D 2466—06	Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe Fittings, Schedule 40 . . . . .	Table 1202.5, Table 1210.5
D 2467—06	Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe Fittings, Schedule 80 . . . . .	Table 1202.5, Table 1210.5
D 2564—12	Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems . . . . .	1203.3.4
D 2657—07	Standard Practice for Heat Fusion Joining of Polyolefin Pipe and Fittings. . . . .	Table 1210.5
D 2683—2010E1	Specification for Socket-type Polyethylene Fittings for Outside Diameter-controlled Polyethylene Pipe and Tubing . . . . .	Table 1210.5, 1210.6.6.1
D2737—12A	Standard Specification for Polyethylene (PE) Plastic Tubing . . . . .	Table 1210.4
D 2846/D 2846M—09BE1	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot and Cold Water Distribution Systems. . . . .	Table 1210.4, Table 1202.4, 1203.3.4
D 2996—01(2007)e01	Specification for Filament-wound Fiberglass (Glass Fiber Reinforced Thermosetting Resin) Pipe . . . . .	Table 1302.3

**REFERENCED STANDARDS**

**ASTM—continued**

D 3035—2012E1	Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter . . . . .	Table 1210.4
D 3261—12	Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing . . . . .	Table 1210.5, 1210.6.6.1
D 3278—1996(2011)	Test Methods for Flash Point of Liquids by Small Scale Closed-cup Apparatus . . . . .	202
D 3309—96a(2002)	Specification for Polybutylene (PB) Plastic Hot and Cold Water Distribution Systems . . . . .	Table 1202.4, 1203.10.1
E 84—2013A	Test Method for Surface Burning Characteristics of Building Materials . . . . .	202, 510.9, 602.2, 602.2.1, 602.2.1.6, 602.2.1.6.1, 602.2.1.6.2, 602.2.1.6.3, 602.2.1.7, 604.3, 1204.1
E 119—2012a	Test Method for Fire Tests of Building Construction and Materials . . . . .	607.5.2, 607.5.5, 607.6.1, 607.2.1
E 136—2012	Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 Degrees C . . . . .	202
E 814—2013	Test Method for Fire Tests of Through-penetration Fire Stops . . . . .	506.3.11.2, 506.3.11.3
E 1509—12	Specification for Room Heaters, Pellet Fuel-burning Type . . . . .	904.1
E 2231—09	Standard Practice For Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics . . . . .	604.3, 1204.1
E 2336—04(2013)	Standard Test Methods for Fire Resistive Grease Duct Enclosure Systems . . . . .	506.3.6, 506.3.11.2
F 437—09	Specification for Threaded Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80 . . . . .	Table 1210.5
F 438—09	Specification for Socket Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40 . . . . .	Table 1202.5, Table 1210.5
F 439—12	Specification for Socket Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80 . . . . .	Table 1202.5, Table 1210.5
F 441/F 441M—13	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80 . . . . .	Table 1202.4, Table 1210.4
F 442/F 442M—13	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR) . . . . .	Table 1202.4, Table 1210.4
F 493—10	Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings . . . . .	1203.3.4
F 714—13	Standard Specification for Polyethylene (PE) Plastic Pipe (SDR-PR) based on Outside Diameter . . . . .	Table 1210.4
F 876—13	Specification for Cross-linked Polyethylene (PEX) Tubing . . . . .	Table 1202.4, Table 1210.4
F 877—2011A	Specification for Cross-linked Polyethylene (PEX) Plastic Hot and Cold Water Distribution Systems . . . . .	Table 1202.4, Table 1202.5, Table 1210.4
F 1055—13	Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Cross-linked Polyethylene Pipe and Tubing . . . . .	Table 1210.5, 1210.6.6.2
F 1281—11	Specification for Cross-linked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe . . . . .	Table 1202.4
F 1282—10	Standard Specification for Polyethylene/Aluminum/ Polyethylene (PE-AL-PE) Composite Pressure Pipe . . . . .	Table 1202.4, Table 1210.4, Table 1210.5
F 1476—07	Specification for Performance of Gasketed Mechanical Couplings for Use in Piping Applications . . . . .	Table 1202.5, 1203.3.7
F 1548—01(2006)	Standard Specification for the Performance of Fittings for Use with Gasketed Mechanical Couplings Used in Piping Applications . . . . .	Table 1202.5
F 1807—13	Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR 9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing . . . . .	Table 1202.5, Table 1210.5
F 1924—12	Standard Specification for Plastic Mechanical Fittings for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing . . . . .	1210.6.6.3
F1960—12	Specification for Cold-Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing . . . . .	Table 1202.5
F 1974—09	Standard Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Composite Pressure Pipe . . . . .	Table 1202.5
F2080—12	Specification for Cold-Expansion Fittings with Metal Compression-Sleeves for Cross-linked Polyethylene (PEX) Pipe . . . . .	Table 1202.5
F2098—08	Standard Specification for Stainless Steel Clamps for SDR9 Cross-linked Polyethylene (PEX) Tubing to Metal and Plastic Insert Fittings . . . . .	Table 1202.5
F 2159—11	Standard Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR 9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing . . . . .	Table 1210.5, Table 1202.5
F 2389—10	Specification for Pressure-rated Polypropylene Piping Systems . . . . .	Table 1210.4, 1203.15.1, 1210.6.7.1, Table 1210.5, Table 1202.4, Table 1202.5

**ASTM—continued**

F2434—09	Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Tubing . . . . .	Table 1210.5
F 2623—08	Standard Specification for Polyethylene of Raised Temperature (PE-RT) SDR 9 Tubing1 . . . . .	Table 1202.4, Table 1210.4
F 2735—09	Standard Specification for Plastic Insert Fittings for SDR 9 Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing . . . . .	Table 1202.5
F 2769—10	Polyethylene of Raised Temperature (PE-RT) Plastic Hot- and Cold-water Tubing and Distribution Systems . . . . .	Table 1210.5, Table 1202.4
F 2806—10	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe (Metric SDR-PR) . . . . .	Table 1202.4

**AWS**

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

Standard reference number	Title	Referenced in code section number
A5.8M/A5.8—2011	Specifications for Filler Metals for Brazing and Braze Welding. . . . .	1203.3.1, 1303.3.1

**AWWA**

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

Standard reference number	Title	Referenced in code section number
C901—08	Polyethylene (PE) Pressure Pipe and Tubing, 1/2 in. (13mm) through 3 in. (76mm) for Water Service. . . . .	Table 1210.4
C110/A21.10—12	Standard for Ductile Iron & Gray Iron Fittings . . . . .	Table 1202.5
C115/A21.15—11	Standard for Flanged Ductile-Iron Pipe with Ductile Iron or Grey-Iron Threaded Flanges . . . . .	Table 1202.4
C151/A21.51—09	Standard for Ductile-Iron Pipe, Centrifugally Cast for Water . . . . .	Table 1202.4
C153/A21.53—11	Standard for Ductile-Iron Compact Fittings for Water Service. . . . .	Table 1202.5

**CSA**

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

Standard reference number	Title	Referenced in code section number
B137.2—13	Polyvinylchloride (PVC) Injection-moulded Gasketed Fittings for Pressure Applications. . . . .	Table 1210.5
B137.3—13	Rigid Poly (Vinyl Chloride) (PVC) Pipe for Pressure Applications . . . . .	Table 1210.5
B137.6—13	Chlorinated Polyvinylchloride (CPVC) Pipe, Tubing and Fittings for Hot- and Cold-water Distribution Systems . . . . .	Table 1210.5
B137.9—13	Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure-Pipe Systems . . . . .	Table 1210.4, Table 1210.5, Table 1202.4
B137.10—13	Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Composite Pressure-Pipe Systems . . . . .	Table 1202.4
CSA C448 Series—02	Design and Installation of Earth Energy Systems—First Edition; Update 2: October 2009; Consolidated Reprint 10/2009 . . . . .	Table 1210.5
CAN/CSA 2002		
CSA B137.1—13	Polyethylene (PE) Pipe, Tubing and Fittings for Cold Water Pressure Services. . . . .	Table 1210.4, Table 1210.5
CSA B137.5—13	Cross-linked Polyethylene (PEX) Tubing Systems for Pressure Applications . . . . .	Table 1210.4, Table 1210.5
CSA B137.11—13	Polypropylene (PP-R) Pipe and Fittings for Pressure Applications. . . . .	Table 1210.4, Table 1210.5
ANSI CSA America FC1—2012	Stationary Fuel Cell Power Systems . . . . .	924.1

**REFERENCED STANDARDS**

**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	Referenced in code section number
29 CFR Part 1910.1000 (2009)	Air Contaminants . . . . .	502.6
29 CFR Part 1910.1025 (2009)	Toxic and Hazardous Substances . . . . .	502.19

**FS**

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

Standard reference number	Title	Referenced in code section number
WW-P-325B (1976)	Pipe, Bends, Traps, Caps and Plugs; Lead (for Industrial Pressure and Soil and Waste Applications) . . . . .	Table 1202.4

\*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  
Washington, DC 20001

Standard reference number	Title	Referenced in code section number
IBC—15	International Building Code® . . . . .	201.3, 202, 301.15, 301.16, 301.17, 301.18, 302.1, 302.2, 304.8, 304.11, 308.4.2.2, 308.4.2.4, 401.4, 401.5, 406.1, 501.3.1, 501.3.2, 501.10.2, 502.10, 502.10.1, 504.2, 504.10, 505.3, 506.3.3, 506.3.10, 506.3.12.2, 506.4.1, 509.1, 510.6, 510.6.3, 510.6.2, 510.7, 510.7.1.1, 510.7.2, 510.7.3, 510.8, 511.1.5, 513.1, 513.2, 513.3, 513.4.3, 513.5, 513.5.2, 513.5.2.1, 513.5.3, 513.5.3.2, 513.6.2, 513.10.5, 513.11.1, 513.12, 513.12.2, 513.20, 601.3, 602.2, 602.2.1.5.1, 602.2.1.5.2, 602.2.1.6.1, 602.2.1.6.2, 602.3, 602.4, 603.1, 603.10, 603.13, 603.18.2, 604.5.4, 607.1.1, 607.1.2, 607.3.2.1, 607.5.1, 607.5.2, 607.5.3, 607.5.4, 607.5.4.1, 607.5.5, 607.5.5.1, 607.5.6, 607.6, 607.6.1, 607.6.2, 607.6.2.1, 607.6.3, 701.2, 701.4.1, 701.4.2, 801.3, 801.16.1, 801.18.4, 801.18.4.1, 902.1, 908.3, 908.4, 910.3, 924.1, 925.1, 926.1, 927.2, 928.1, 1004.6, 1105.1, 1206.4, 1210.8.2, 1305.2.1, 1402.4, 1402.4.1
IECC—15	International Energy Conservation Code® . . . . .	301.2, 303.3, 312.1, 401.2, 514.1, 604.1, 1204.1, 1204.2
IFC—15	International Fire Code® . . . . .	201.3, 310.1, 311.1, 502.4, 502.5, 502.7.2, 502.8.1, 502.9.1, 502.9.5, 502.9.5.2, 502.9.5.3, 502.9.8.2, 502.9.8.3, 502.9.8.5, 502.9.8.6, 502.9.11, 502.10, 502.10.3, 502.16.2, 509.1, 510.2.1, 510.2.2, 510.5, 511.1.1, 513.1, 513.2, 513.6.3, 513.12.1, 513.12.3, 513.12.4, 513.15, 513.16, 513.17, 513.18, 513.19, 606.2.1, 606.4.1, 908.7, 924.1, 926.1, 1101.9, 1105.3, 1105.9, 1106.5, 1106.6, 1301.1, 1301.2, 1301.5
IFGC—15	International Fuel Gas Code® . . . . .	101.2, 201.3, 301.6, 701.1, 801.1, 901.1, 906.1, 926.1, 1101.5
IPC—15	International Plumbing Code® . . . . .	201.3, 301.11, 307.2.2, 512.2, 908.5, 928.1, 1002.1, 1002.2, 1002.3, 1005.2, 1006.6, 1008.2, 1009.3, 1101.4, 1201.1, 1206.2, 1206.3, 1210.8.1, 1401.2
IRC—15	International Residential Code® . . . . .	101.2

# IIAR

International Institute of Ammonia Refrigeration  
1110 North Glebe Road  
Arlington, VA 22201

Standard reference number	Title	Referenced in code section number
2—2014	Standard for Safe Design of Closed-circuit Ammonia Refrigeration Systems . . . . .	1101.6, 1105.6.3

# MSS

Manufacturers Standardization Society of the Valve & Fittings Industry, Inc.  
127 Park Street, N.E.  
Vienna, VA 22180

Standard reference number	Title	Referenced in code section number
SP 58—2009	Pipe Hangers and Supports—Materials Design and Manufacture, Selection, Application and Installation . . . . .	305.4

# NAIMA

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

Standard reference number	Title	Referenced in code section number
AH116—09	Fibrous Glass Duct Construction Standards . . . . .	603.5, 603.9

# NBBI

National Board of Boiler and Pressure Vessel Inspectors  
1055 Crupper Avenue  
Columbus, OH 43229-1183

Standard reference number	Title	Referenced in code section number
NBIC—2011	National Board Inspection Code, Part 3 . . . . .	1003.3

# NFPA

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

Standard reference number	Title	Referenced in code section number
30A—15	Code for Motor Fuel-dispensing Facilities and Repair Garages . . . . .	304.6
31—11	Standard for the Installation of Oil-burning Equipment . . . . .	701.1, 801.2.1, 801.18.1, 801.18.2, 920.2, 922.1, 1308.1
37—15	Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines . . . . .	915.1, 915.2
58—14	Liquefied Petroleum Gas Code . . . . .	502.9.10
69—14	Standard on Explosion Prevention Systems . . . . .	510.9.3
70—14	National Electrical Code . . . . .	301.7, 306.3.1, 306.4.1, 511.1.1, 513.11, 513.12.2, 602.2.1.1, 927.2, 1104.2.2, 1106.3, 1106.4
72—13	National Fire Alarm and Signaling Code . . . . .	606.3
82—14	Standard on Incinerators and Waste and Linen Handling Systems and Equipment . . . . .	601.1
85—15	Boiler and Combustion Systems Hazards Code . . . . .	1004.1
91—15	Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids . . . . .	502.9.5.1, 502.17
92—15	Standard for Smoke Control Systems . . . . .	513.7, 513.8
96—14	Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations . . . . .	507.1
211—13	Standard for Chimneys, Fireplaces, Vents and Solid Fuel-burning Appliances . . . . .	806.1
262—15	Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-handling Spaces . . . . .	602.2.1.1

**REFERENCED STANDARDS**

**NFPA—continued**

286—15	Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth . . . . .	602.2.1.6.2
704—12	Standard System for Identification of the Hazards of Materials for Emergency Response . . . . .	502.8.4, Table 1103.1, 510.1
853—15	Standard on Installation of Stationary Fuel Power Plants . . . . .	924.1

**NSF**

NSF International  
789 Dixboro Road, P. O. Box 130140  
Ann Arbor, MI 48113-0140

Standard reference number	Title	Referenced in code section number
NSF 14—2011	Plastic Piping System Components and Related Materials . . . . .	301.4
NSF 358-1—2011	Polyethylene Pipe and Fittings for Water Based Ground Source “Geothermal” Heat Pump Systems. . . . .	Table 1210.4, Table 1210.5

**SMACNA**

Sheet Metal & Air-Conditioning Contractors National Assoc., Inc.  
4201 Lafayette Center Drive  
Chantilly, VA 20151-1209

Standard reference number	Title	Referenced in code section number
SMACNA/ANSI—2005	HVAC Duct Construction Standards-Metal and Flexible 3rd Edition (ANSI) . . . . .	603.4, Table 603.4, 603.9, 603.10
SMACNA—10	Fibrous Glass Duct Construction Standards . . . . .	603.5, 603.9

**UL**

UL LLC  
333 Pfingsten Road  
Northbrook, IL 60062-2096

Standard reference number	Title	Referenced in code section number
17—2008	Vent or Chimney Connector Dampers for Oil-fired Appliances— with revisions Through January 2010. . . . .	803.6
103—2010	Factory-built Chimneys, Residential Type and Building Heating Appliance— with revisions through July 2012 . . . . .	805.2
127—2011	Factory-built Fireplaces . . . . .	903.1, 903.3, 903.4
174—04	Household Electric Storage Tank Water Heaters—with revisions through September 2012 . . . . .	1002.1
180—2012	Liquid-level Indicating Gauges for Oil Burner Fuels and Other Combustible Liquids . . . . .	1306.4
181—05	Factory-made Air Ducts and Air Connectors— with revisions through October 2008 . . . . .	512.2, 603.5, 603.6.1, 603.6.2, 603.9, 604.13
181A—2013	Closure Systems for Use with Rigid Air Ducts and Air Connectors . . . . .	603.9
181B—2013	Closure Systems for Use with Flexible Air Ducts and Air Connectors . . . . .	603.9
197—10	Commercial Electric Cooking Appliances—with revisions through June 2011 . . . . .	917.1
207—2009	Refrigerant-containing Components and Accessories, Nonelectrical . . . . .	1101.2
263—2011	Standard for Fire Test of Building Construction and Materials . . . . .	607.5.2, 607.5.5, 607.6.1, 607.6.2.1
268—2009	Smoke Detectors for Fire Alarm Systems . . . . .	606.1
268A—2008	Smoke Detectors for Duct Application—with revisions through September 2009 . . . . .	606.1
343—2008	Pumps for Oil-Burning Appliances—with revisions through June 2013. . . . .	1302.7
378—06	Draft Equipment—with revisions through January 2010. . . . .	804.3, 804.3.8
391—2010	Solid-fuel and Combination-fuel Central and Supplementary Furnaces— with revisions through March 2010 . . . . .	918.1
412—2011	Refrigeration Unit Coolers—with revisions through August 2012 . . . . .	1101.2
471—2010	Commercial Refrigerators and Freezers—with revisions through December 2012. . . . .	1101.2
499—05	Electric Heating Appliances—with revisions through February 2013. . . . .	912.1, 923.1
508—99	Industrial Control Equipment—with revisions through March 2013. . . . .	307.2.3
536—97	Flexible Metallic Hose—with revisions through June 2003 . . . . .	1302.8



UL—continued

555—06	Fire Dampers—with revisions through May 2012 . . . . .	607.3.1
555C—06	Ceiling Dampers—with revisions through May 2010 . . . . .	607.3.1
555S—99	Smoke Dampers—with revisions through May 2012 . . . . .	607.3.1
586—2009	High-Efficiency, Particulate, Air Filter Units . . . . .	605.2
641—2010	Type L Low-temperature Venting Systems—with revisions through May 2013 . . . . .	802.1
705—2004	Standard for Power Ventilators—with revisions through March 2012 . . . . .	504.5
710—2012	Exhaust Hoods for Commercial Cooking Equipment . . . . .	507.1
710B—2011	Recirculating Systems . . . . .	507.1, 507.2
723—2008	Standard for Test for Surface Burning Characteristics of Building Materials . . . . .	510.9, 602.2, 602.2.1, 602.2.1.6, 602.2.1.6.2, 602.2.1.6.3, 602.2.1.7, 604.3, 1204.1
726—95	Oil-fired Boiler Assemblies—with revisions through April 2011 . . . . .	916.1, 1004.1
727—06	Oil-fired Central Furnace—with revisions through April 2010 . . . . .	918.1
729—03	Oil-fired Floor Furnaces—with revisions through August 2012 . . . . .	910.1
730—03	Oil-fired Wall Furnaces—with revisions through August 2012 . . . . .	909.1
731—95	Oil-fired Unit Heaters—with revisions through August 2012 . . . . .	920.1
732—95	Oil-fired Storage Tank Water Heaters—with revisions through April 2010 . . . . .	1002.1
737—2011	Fireplace Stoves . . . . .	905.1
762—2010	Outline of Investigation for Power Ventilators for Restaurant Exhaust Appliances . . . . .	506.5.1
791—06	Residential Incinerators—with revisions through April 2010 . . . . .	907.1
834—04	Heating, Water Supply and Power Boilers Electric—with revisions through January 2013 . . . . .	1004.1
842—07	Valves for Flammable Fluids—with revisions through October 2012 . . . . .	1307.1
858—05	Household Electric Ranges—with revisions through April 2012 . . . . .	917.1
867—2011	Electrostatic Air Cleaners—with revisions through February 2013 . . . . .	605.2
875—09	Electric Dry Bath Heater—with revisions through November 2011 . . . . .	914.2
896—93	Oil-burning Stoves—with revisions through August 2012 . . . . .	917.1, 922.1
900—04	Air Filter Units—with revisions through February 2012 . . . . .	605.2
907—94	Fireplace Accessories—with revisions through April 2010 . . . . .	902.2
923—2013	Microwave Cooking Appliances . . . . .	917.1
959—2010	Medium Heat Appliance Factory-built Chimneys . . . . .	805.5
1046—2010	Grease Filters for Exhaust Ducts—with revisions through January 2012 . . . . .	507.2.8
1240—2012	Electric Commercial Clothes—Drying Equipment—with revisions through October 2012 . . . . .	913.1
1261—01	Electric Water Heaters for Pools and Tubs—with revisions through July 2012 . . . . .	916.1
1453—04	Electric Booster and Commercial Storage Tank Water Heaters— with revisions through July 2011 . . . . .	1002.1
1479—03	Fire Tests of Through-penetration Firestops— with revisions through October 2012 . . . . .	506.3.11.2, 506.3.11.3
1482—2011	Solid-fuel Type Room Heaters . . . . .	905.1
1618—09	Wall Protectors, Floor Protectors and Hearth Extensions— with revisions through May 2013 . . . . .	308.4.1, 903.2, 905.3
1777—2007	Chimney Liners—with revisions through July 2009 . . . . .	801.16.1, 801.18.4
1812—2013	Standard for Ducted Heat Recovery Ventilators . . . . .	514.1
1815—2012	Standard for Nonducted Heat Recovery . . . . .	514.1
1820—04	Fire Test of Pneumatic Tubing for Flame and Smoke Characteristics— with revisions through May 2013 . . . . .	602.2.1.3
1887—04	Fire Tests of Plastic Sprinkler Pipe for Visible Flame and Smoke Characteristics— with revisions through May 2013 . . . . .	602.2.1.2
1978—2010	Grease Ducts . . . . .	506.3.2, 506.3.6
1995—2011	Heating and Cooling Equipment . . . . .	908.1, 911.1, 918.1, 918.2, 1101.2
1996—2009	Electric Duct Heaters—with revisions through November 2011 . . . . .	911.1
2024—2011	Standard for Safety Optical-Fiber and Communications Cable Raceway— with revisions through April 2011 . . . . .	602.2.1.1
2043—2008	Fire Test for Heat and Visible Smoke Release for Discrete Products and their Accessories Installed in Air-handling Spaces . . . . .	602.2.1.4.2
2158—97	Electric Clothes Dryers—with revisions through March 2009 . . . . .	913.1
2158A—2010	Outline of Investigation for Clothes Dryer Transition Duct . . . . .	504.8.3
2162—01	Outline of Investigation for Commercial Wood-fired Baking Ovens-Refractory Type . . . . .	917.1
2200—2012	Stationery Engine Generator Assemblies—with revisions through June 2013 . . . . .	915.1
2221—2010	Tests of Fire Resistive Grease Duct Enclosure Assemblies . . . . .	506.3.11.3
2518—05	Air Dispersion System Materials . . . . .	603.17
2523—09	Solid Fuel-fired Hydronic Heating Appliances—with revisions through February 2013 . . . . .	1002.1, 1004.1

