

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.

ACCA		Air Conditioning Contractors of America 1712 New Hampshire Ave, NW Washington, DC 20009
Standard Reference Number	Title	Referenced in code section number
Manual D—95	Residential Duct Systems . . . . .	.603.1, 603.2
Manual J—86	Residential Load Calculations-Seventh Edition . . . . .	.312.1

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	Installation of Domestic Gas Conversion Burners . . . . .	.919.1
Z21.83—1998	Fuel Cell Power Plants . . . . .	.924.1

ARI		Air-Conditioning and Refrigeration Institute Suite 425 4301 North Fairfax Drive Arlington, VA 22203
Standard Reference Number	Title	Referenced in code section number
700—95	Specifications for Fluorocarbon and Other Refrigerants . . . . .	.1102.2.2.3

ASHRAE		American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle, NE Atlanta, GA 30329-2305
Standard Reference Number	Title	Referenced in code section number
ASHRAE—2001	ASHRAE Fundamentals Handbook—2001 . . . . .	.312.1, 603.2
15—2001	Safety Standard for Refrigeration Systems . . . . .	.1101.6, 1105.8, 1108.1
34—2001	Designation and Safety Classification of Refrigerants . . . . .	.202, 1102.2.1, 1103.1
ASHRAE—2000	HVAC Systems and Equipment Handbook—2000 . . . . .	.312.1

ASME		American Society of Mechanical Engineers Three Park Avenue New York, NY 10016-5900
Standard Reference Number	Title	Referenced in code section number
B1.20.1—1983 (R1999)	Pipe Threads, General Purpose (Inch) . . . . .	.1203.3.5, 1303.3.3
B16.3—1999	Malleable Iron Threaded Fittings, Classes 150 & 300	Table 1202.5

REFERENCED STANDARDS

ASME—continued

B16.5—1996	Pipe Flanges and Flanged Fittings NPS ½ through NPS 24— With B16.5a-1998 Addenda	Table 1202.5
B16.9—1993	Factory Made Wrought Steel Buttwelding Fittings	Table 1202.5
B16.11—1996	Forged Fittings, Socket-Welding and Threaded	Table 1202.5
B16.15—1985(R1994)	Cast Bronze Threaded Fittings	Table 1202.5
B16.18—1984(R1994)	Cast Copper Alloy Solder Joint Pressure Fittings. . . . .	.513.13.1, Table 1202.5
B16.22—1995	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings—with B16.22a-1998 Addenda . . . . .	.513.13.1, Table 1202.5
B16.23—1992	Cast Copper Alloy Solder Joint Drainage Fittings DWV	Table 1202.5
B16.24—1991 (R1998)	Cast Copper Alloy Pipe Flanges and Flanged Fittings: Class 150, 300, 400, 600, 900, 1500 and 2500	Table 1202.5
B16.26—1988	Cast Copper Alloy Fittings for Flared Copper Tubes	Table 1202.5
B16.28—1994	Wrought Steel Buttwelding Short Radius Elbows and Returns	Table 1202.5
B16.29—1994	Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings-DWV	Table 1202.5
BPVC—1998	Boiler & Pressure Vessel Code (Sections I, II, IV, V & VI)	1004.1, 1011.1
CSD-1—1998	Controls and Safety Devices for Automatically Fired Boilers	1004.1

ASTM

ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428

Standard Reference Number	Title	Referenced in code section number
A 53/A 53M—01	Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated Welded and Seamless.	Table 1202.4, Table 1302.3
A 106—99e1	Specification for Seamless Carbon Steel Pipe for High-Temperature Service	Table 1202.4, Table 1302.3
A 126—01	Specification for Gray Iron Castings for Valves, Flanges, and Pipe Fittings	Table 1202.5
A 254—97	Specification for Copper Brazed Steel Tubing	Table 1202.4, Table 1302.3
A 420/A 420M—01	Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service	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—00	Specification for Solder Metal	1203.3.3
B 42—98	Specification for Seamless Copper Pipe, Standard Sizes. . . . .	.513.13.1, 1107.4.2, Table 1202.4, Table 1302.3
B 43—98	Specification for Seamless Red Brass Pipe, Standard Sizes . . . . .	.513.13.1, 1107.4.2, Table 1202.4, Table 1302.3
B 68—99	Specification for Seamless Copper Tube, Bright Annealed. . . . .	.513.13.1
B 75—99	Specification for Seamless Copper Tube	Table 1202.4, Table 1302.3
B 88—99e1	Specification for Seamless Copper Water Tube . . . . .	.513.13.1, 1107.4.3, Table 1202.4, Table 1302.3
B 135—00	Specification for Seamless Brass Tube.	Table 1202.4, Table 1302.3
B 251—97	Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube. . . . .	.513.13.1, Table 1202.4
B 280—99e1	Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service . . . . .	.513.13.1, 1107.4.3, Table 1302.3
B 302—00	Specification for Threadless Copper Pipe, Standard Sizes	Table 1202.4, Table 1302.3
B 813—00e01	Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube	1203.3.3
C 315—00	Specification for Clay Flue Linings . . . . .	.801.16.1, Table 803.10.4
C 411—97	Test Method for Hot-Surface Performance of High-Temperature Thermal Insulation . . . . .	.604.3
D 56—01	Test Method for Flash Point by Tag Closed Tester . . . . .	.202
D 93—00	Test Method for Flash Point of Pensky-Martens Closed Cup Tester. . . . .	.202
D 1527—99	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe, Schedules 40 and 80	Table 1202.4
D 1693—01	Test Method for Environmental Stress-Cracking of Ethylene Plastics	Table 1202.4
D 1785—99	Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe, Schedules 40, 80 and 120.	Table 1202.4
D 2235—01	Specifications for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings.	1203.3.4
D 2241—01	Specification for Poly (Vinyl Chloride)(PVC) Pressure-Rated Pipe (SDR-Series)	Table 1202.4
D 2282—99	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe (SDR-PR)	Table 1202.4
D 2412—96a	Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading . . . . .	.603.8.3
D 2447—99	Specification for Polyethylene (PE) Plastic Pipe, Schedules 40 and 80, Based on Outside Diameter.	Table 1202.4
D 2466—01	Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe Fittings, Schedule 40.	Table 1202.5

ASTM—continued

D 2467—01	Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe Fittings, Schedule 80	Table 1202.5
D 2468—96a	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe Fittings, Schedule 40.	Table 1202.5
D 2513—00	Specification for Thermoplastic Gas Pressure Pipe, Tubing, and Fittings	Table 1202.4, 1203.15.3
D 2564—96a	Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems	1203.3.4
D 2683—98	Specification for Socket-Type Polyethylene Fittings for Outside Diameter-Controlled Polyethylene Pipe and Tubing	Table 1202.4, 1203.15.1
D 2837—98a	Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials	Table 1202.4
D 2846/D 2846M—99	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot and Cold Water Distribution Systems	Table 1202.4, 1203.3.4
D 2996—00	Specification for Filament-Wound Fiberglass (Glass Fiber Reinforced Thermosetting Resin) Pipe	Table 1302.3
D 3035—01	Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter.	Table 1202.4
D 3278—96el	Test Methods for Flash Point of Liquids by Small Scale Closed-Cup Apparatus.	202
D 3309—96a	Specification for Polybutylene (PB) Plastic Hot- and Cold- Water Distribution Systems	Table 1202.4, 1203.10.1
D 3350—01	Specification for Polyethylene Plastics Pipe and Fittings Materials.	Table 1202.4
E 84—01	Test Method for Surface Burning Characteristics of Building Materials.	202, 510.8, 602.2.1, 602.2.1.5, 604.3, 1204.1
E 119—00e	Test Method for Fire Tests of Building Construction and Materials	607.5.2, 607.6.2
E 136—99e01	Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C	202
E 814—00	Test Method for Fire Tests of Through-Penetration Fire Stops	506.3.10
F 438—01	Specification for Socket Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40	Table 1202.5
F 439—01	Specification for Socket Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80	Table 1202.5
F 441/F 441M—99	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80	Table 1202.4
F 442/F 442M—99	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR).	Table 1202.4
F 493—97	Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings.	1203.3.4
F 876—01	Specification for Crosslinked Polyethylene (PEX) Tubing.	Table 1202.4
F 877—01	Specification for Crosslinked Polyethylene (PEX) Plastic Hot and Cold-Water Distribution Systems.	Table 1202.4, Table 1202.5
F 1055—98	Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene Pipe and Tubing.	Table 1202.4, 1203.15.2
F 1281—01	Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe	Table 1202.4
F 1974—00e	Standard Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene Composite Pressure Pipe	Table 1202.5

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

Standard Reference Number	Title	Referenced in code section number
A5.8—92	Specifications for Filler Metals for Brazing and Braze Welding	1203.3.1, 1303.3.1

CSA
 Canadian Standards Association
 178 Rexdale Blvd.
 Rexdale (Toronto), Ontario, Canada M9W 1R3

Standard Reference Number	Title	Referenced in code section number
CAN/CSA B137.10M—99	Crosslinked Polyethylene/Aluminum/Polyethylene Composite Pressure Pipe Systems	Table 1202.4

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 (1974)	Air Contaminants	502.6

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
 5203 Leesburg Pike, Suite 708
 Falls Church, VA 22041-3401

Standard Reference Number	Title	Referenced in code section number
IBC—03	International Building Code®	201.3, 202, 301.12, 301.14, 301.15, 302.1, 302.2, 304.7, 304.10, 308.8, 308.10, 401.4, 401.6, 406.1, 502.10, 502.10.1, 504.2, 506.3.3, 506.3.10, 506.3.12.2, 506.4.1, 509.1, 510.6, 510.6.1, 510.6.2, 510.7, 511.1.5, 513.1, 513.2, 513.3, 513.4.3, 513.5, 513.5.2, 513.5.2.1, 513.6.2, 513.10.5, 513.12, 513.12.2, 513.20, 602.2.1.5.1, 602.2.1.5.2, 602.3, 603.1, 603.10, 604.5.4, 607.1.1, 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, 607.6, 607.6.2, 701.4.1, 701.4.2, 801.3, 801.16.1, 801.18.4, 902.1, 908.3, 908.4, 910.3, 925.1, 1004.6, 1105.1, 1206.4, 1402.4, 1402.4.1
ICC EC—03	ICC Electrical Code®	201.3, 301.7, 306.3.1, 306.4.1, 513.11, 513.12.1, 602.2.1.1
IEBC—03	International Existing Building Code®	101.2
IECC—03	International Energy Conservation Code®	202, 301.2, 303.3, 312.1, 603.9, 604.1, 1204.1, 1204.2
IFC—03	International Fire Code®	201.3, 310.1, 311.1, 502.5, 502.7.2, 502.8.1, 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, 502.10, 502.10.3, 502.16.2, 509.1, 510.2.1, 510.2.2, 510.4, 513.12.3, 513.15, 513.16, 513.17, 513.18, 513.19, 513.20.2, 513.20.3, 606.2.1, 908.7, 1101.9, 1105.3, 1106.5, 1106.6, 1301.1, 1301.2
IFGC—03	International Fuel Gas Code®	101.2, 201.3, 301.3, 701.1, 801.1, 901.1, 906.1, 1101.5
IPC—03	International Plumbing Code®	201.3, 301.8, 512.2, 908.5, 1002.1, 1002.2, 1002.3, 1005.2, 1006.6, 1008.2, 1009.3, 1101.4, 1201.1, 1206.2, 1206.3, 1401.2
IRC—03	International Residential Code®	101.2

IAR
 International Institute of Ammonia Refrigeration
 Suite 700
 1101 Connecticut Ave., NW
 Washington, DC 20036

Standard Reference Number	Title	Referenced in code section number
2—99	Equipment, Design, and Installation of Ammonia Mechanical Refrigerating Systems	1101.6

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-69—1996	Pipe Hangers and Supports—Selection and Application . . . . .	.305.4

NAIMA

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

Standard Reference Number	Title	Referenced in code section number
AH116—02	Fibrous Glass Duct Construction Standards . . . . .	.603.5, 603.9

NFPA

National Fire Protection Association
Batterymarch Park
Quincy, MA 02269

Standard Reference Number	Title	Referenced in code section number
31—01	Installation of Oil-Burning Equipment	801.2.1, 801.18.1, 801.18.2, 920.2, 922.1, 1308.1
37—98	Stationary Combustion Engines and Gas Turbines . . . . .	.915.1, 915.2
58—01	Liquefied Petroleum Gas Code . . . . .	.502.9.10
69—97	Explosion Prevention Systems . . . . .	.510.8.3
72—99	National Fire Alarm Code . . . . .	.606.3
82—99	Incinerators and Waste and Linen Handling Systems and Equipment . . . . .	.601.1
88B—97	Repair Garages . . . . .	.304.5
91—99	Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids . . . . .	.502.9.5.1, 502.17
211—00	Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances . . . . .	.806.1
262—99	Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-Handling Spaces . . . . .	.602.2.1.1
704—96	Identification of the Hazards of Materials for Emergency Response . . . . .	.502.8.4, Table 1103.1, 510.1
853—00	Installation of Stationary Fuel Power Plants . . . . .	.924.1
8501—97	Single Burner Boiler Operation . . . . .	.1004.1
8502—99	Prevention of Furnace Explosions/Implosions in Multiple Burner Boiler-Furnaces . . . . .	.1004.1
8504—96	Atmospheric Fluidized-Bed Boiler Operation . . . . .	.1004.1

SMACNA

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

Standard Reference Number	Title	Referenced in code section number
SMACNA—95	HVAC Duct Construction Standards—Metal and Flexible . . . . .	.603.4, 603.9
SMACNA—92	Fibrous Glass Duct Construction Standards . . . . .	.603.5, 603.9
SMACNA	SMACNA Installation Standards for Residential Heating and Air Conditioning . . . . .	.603.1

REFERENCED STANDARDS



Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096

Standard Reference Number	Title	Referenced in code section number
17—94	Vent or Chimney Connector Dampers for Oil-Fired Appliances—with Revisions through September 1998 . . . . .	.803.6
103—98	Factory-Built Chimneys, Residential Type and Building Heating Appliance—with Revisions through March 1999 . . . . .	.805.2
127—96	Factory-Built Fireplaces—with Revisions through November 1999 . . . . .	.805.3, 903.1, 903.3
174—98	Household Electric Storage Tank Water Heaters—with revisions through October 1999	1002.1
181—96	Factory-made Air Ducts and Air Connectors—with Revisions through December 1998 . . . . .	.512.2, 603.5, 603.6.1, 603.6.2, 604.13
197—93	Commercial Electric Cooking Appliances—With Revisions Through January 2000 . . . . .	.507.1
207—93	Refrigerant-Containing Components and Accessories, Nonelectrical—with Revisions Through October 1997 . . . . .	.1101.2
343—97	Pumps for Oil-Burning Appliances-with revisions through December 22, 1999 . . . . .	.1302.7
391—95	Solid-Fuel and Combination-Fuel Central and Supplementary Furnaces—with Revisions Through May 1999 . . . . .	.918.1
412—93	Refrigeration Unit Coolers—with Revisions through November 1998 . . . . .	.1101.2
471—95	Commercial Refrigerators and Freezers—with Revisions through April 1998 . . . . .	.1101.2
536—97	Flexible metallic Hose - with revisions through October 2000 . . . . .	.1302.8
555—99	Fire Dampers - with Revisions through October, 2000 . . . . .	.607.3
555C—96	Ceiling Dampers . . . . .	.607.3, 607.6.2
555S—99	Smoke Dampers—with Revisions through December 1999 . . . . .	.607.3, 607.3.1.1
586—96	High-Efficiency, Particulate, Air Filter Units - with revisions through april 21, 2000 . . . . .	.605.2
641—95	Type L Low-Temperature Venting Systems—with Revisions through April 1999 . . . . .	.802.1
710—95	Exhaust Hoods for Commercial Cooking Equipment-with Revisions through April 1999 . . . . .	.507.1
726—98	Oil-Fired Boiler Assemblies—with Revisions through January 1999 . . . . .	.916.1, 1004.1
727—94	Oil-Fired Central Furnaces—with Revisions through January 1999 . . . . .	.918.1
729—98	Oil-Fired Floor Furnaces—with Revisions through January 1999 . . . . .	.910.1
730—98	Oil-Fired Wall Furnaces—with Revisions through January 1999 . . . . .	.909.1
731—95	Oil-Fired Unit Heaters—with Revisions through January 1999 . . . . .	.920.1
732—95	Oil-Fired Storage Tank Water Heaters-With revisions through January 1999 . . . . .	.1002.1
737—96	Fireplace Stoves—with Revisions through January 2000 . . . . .	.805.2, 905.1
762—99	Outline of Investigation for Power Ventilators for Restaurant Exhaust Appliances . . . . .	.506.5.1
791—93	Residential Incinerators—with Revisions through May 1998 . . . . .	.907.1
834—98	Heating, Water Supply and Power Boilers Electric—with Revisions Through November 1998 . . . . .	.1004.1
867—00	Electrostatic Air Cleaners . . . . .	.605.2
896—93	Oil-Burning Stoves—with Revisions through November 1999 . . . . .	.917.1, 922.1
900—94	Air Filter Units - with revisions through October 1999 . . . . .	.605.2
959—01	Medium Heat Appliance Factory-Built Chimneys . . . . .	.805.5
1240—94	Electric Commercial Clothes Drying Equipment—with Revisions through October 1999 . . . . .	.913.1
1261—96	Electric Water Heaters for Pools and Tubs - with revisions through November 25, 1998 . . . . .	.916.1
1453—95	Electronic Booster and Commercial Storage Tank Water Heaters - with Revisions Through September 1998 . . . . .	.1002.1
1482—98	Solid-Fuel Type Room Heaters—with Revisions through January 2000 . . . . .	.905.1
1777—98	Chimney Liners—with Revisions through July 1998 . . . . .	.801.18.4
1820—97	Fire Test of Pneumatic Tubing for Flame and Smoke Characteristics - with Revisions through March 1999 . . . . .	.602.2.1.3
1887—96	Fire Tests of Plastic Sprinkler Pipe for Visible Flame and Smoke Characteristics—with Revisions through June 1999 . . . . .	.602.2.1.2
1995—98	Heating and Cooling Equipment - with Revisions through August 1999 . . . . .	.911.1, 918.1, 918.3, 1101.2
2043—96	Fire Test for Heat and Visible Smoke Release for Discrete Products and their Accessories Installed in Air-Handling Spaces-With Revisions through February 1998 . . . . .	.602.2.1.4
2158—97	Outline of Investigation Electric Clothes Dryer—with Revisions through February 1999 . . . . .	.913.1
2162—94	Outline of Investigation for Commercial Wood-Fired Baking Ovens—Refractory Type . . . . .	.917.1