

## IFGC/IFGS CHAPTER 8

# 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.

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

## ANSI

Standard reference number	Title	Referenced in code section number
ANSI A13.1-96	Scheme for the Identification of piping systems . . . . .	704.1.2.2
ANSI CSA-America FC 1-03	Stationery Fuel Cell Power Systems . . . . .	.633.1
LC 1—97	Interior Gas Piping Systems Using Corrugated Stainless Steel Tubing with Addenda LC1a-1999 and LC1b-2001 . . . . .	403.5.4
Z21.1—03	Household Cooking Gas Appliances with Addenda Z21.1a-2003 and Z21.1b-2003 . . . . .	623.1
Z21.5.1—02	Gas Clothes Dryers - Volume I -Type 1 Clothes Dryers with Addenda Z21.5.1a-2003 . . . . .	613.1
Z21.5.2—01	Gas Clothes Dryers - Volume II- Type 2 Clothes Dryers with Addenda Z21.5.2a-2003 and Z21.5.2b-2003 . . . . .	613.1, 614.3
Z21.8—94 (R2002)	Installation of Domestic Gas Conversion Burners . . . . .	.619.1
Z21.10.1—04	Gas Water Heaters - Volume I - Storage, Water Heaters with Input Ratings of 75,000 Btu per Hour or Less - with Addenda Z21.10.1a-2002 . . . . .	.624.1
Z21.10.3—01	Gas Water Heaters - Volume III - Storage, Water Heaters with Input Ratings Above 75,000 Btu per hour, Circulating and Instantaneous – with Addenda Z21.10.3a-2003 and Z21.10.3b-2004 . . . . .	624.1
Z21.11.2—02	Gas-fired Room Heaters - Volume II - Unvented Room Heaters with Addenda Z21.11.2a-2003 . . . . .	621.1
Z21.13—04	Gas-fired Low-Pressure Steam and Hot Water Boilers . . . . .	.631.1
Z21.15—97 (R2003)	Manually Operated Gas Valves for Appliances, Appliance Connector Valves, and Hose End Valves with Addenda Z21.15a-2001(R2003) . . . . .	409.1.1
Z21.19—02	Refrigerators Using Gas (R1999) Fuel . . . . .	.625.1
Z21.24—97	Connectors for Gas Appliances . . . . .	411.1
Z21.40.1—96 (R2002)	Gas-fired Heat Activated Air Conditioning and Heat Pump Appliances—with Addendum Z21.40.1a-1997 (R2002) . . . . .	627.1
Z21.40.2—96 (R2002)	Gas-fired Work Activated Air Conditioning and Heat Pump Appliances (Internal Combustion)—with Addendum Z21.40.2a-97 (R2002) . . . . .	.627.1
Z21.42—93 (R2002)	Gas-fired Illuminating Appliances . . . . .	.628.1
Z21.47—03	Gas-fired Central Furnaces . . . . .	.618.1
Z21.50—03	Vented Gas Fireplaces – with Addenda Z21.50a-2003 . . . . .	.604.1
Z21.56—01	Gas-fired Pool Heaters – with Addenda Z21.56a-2004 and Z21.56b-2004 . . . . .	.616.1
Z21.58—95 (R2002)	Outdoor Cooking Gas Appliances—with Addendum Z21.58a-1998 (R2002) and Z21.58b-2002 . . . . .	623.1
Z21.60—03	Decorative Gas Appliances for Installation in Solid-fuel Burning Fireplaces – with Addenda Z21.60a-2003 . . . . .	602.1
Z21.61—83 (R 1996)	Toilets, Gas-Fired . . . . .	.625.1
Z21.69—02	Connectors for Movable Gas Appliances – with Addenda Z21.69a-2003 . . . . .	411.1
Z21.75/CSA 6.27—01	Connectors for Outdoor Gas Appliances and Manufactured Homes . . . . .	411.1, 411.2
Z21.80—03	Line Pressure Regulators . . . . .	410.1
Z21.84—02	Manually-Lighted, Natural Gas Decorative Gas Appliances for Installation in Solid Fuel Burning Fireplaces – with Addenda Z21.84a-2003 . . . . .	602.1, 602.2
Z21.86—04	Gas-Fired Vented Space Heating Appliances - with Addenda Z21.86a-2002 and Z21.86b-2002 . . . . .	608.1, 609.1, 622.1
Z21.88—02	Vented Gas Fireplace Heaters with Addenda Z21.88a-2003 and Z21.88b-2004 . . . . .	605.1
Z21.91—01	Ventless Firebox Enclosures for Gas-Fired Unvented Decorative Room Heaters . . . . .	621.7.1
Z83.4—03	Non-Recirculating Direct-Gas-Fired Industrial Air Heaters . . . . .	.611.1
Z83.6—90 (R 1998)	Gas-Fired Infrared Heaters . . . . .	.630.1
Z83.8—02	Gas Unit Heaters and Gas-Fired Duct Furnaces – with Addenda Z83.8a-2003 . . . . .	620.1
Z83.11—02	Gas Food Service Equipment – with Addenda Z83.11a-2004 . . . . .	.623.1
Z83.18—00	Recirculating Direct Gas-Fired Industrial Air Heaters with Addenda Z83.18a 2001 and Z83.18b-2003 . . . . .	612.1

**REFERENCED STANDARDS**

**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—83 (Reaffirmed 2001)	Pipe Threads, General Purpose (inch) . . . . .	403.9
B16.1—98	Cast Iron Pipe Flanges and Flanged Fittings, Class 25, 125 and 250 . . . . .	403.12
B16.20—98	Metallic Gaskets for Pipe Flanges Ring-joint, Spiral-wound, and Jacketed —with Addendum B16.20a-2000 . . . . .	403.12
B31.3-02	Process Piping . . . . .	704.1.2.4, 704.12, 705.2, 705.3
B16.33—02	Manually Operated Metallic Gas Valves for Use in Gas Piping Systems up to 125 psig (Sizes 1/2 through 2) . . . . .	409.1.1
B16.44-01	Manually Operated Metallic Gas Valves for Use in House Piping Systems . . . . .	409.1.1
B31.3—99	Process Piping . . . . .	704.1.2, 705.2, 705.3
B36.10M—00	Welded and Seamless Wrought-steel Pipe . . . . .	403.4.2
BPVC—01	ASME Boiler & Pressure Vessel Code (2001 Edition) (Section I, II, IV, V & IX) . . . . .	630.1, 703.2.2, 703.3.3, 703.3.4
CSD-1—02	Controls and Safety Devices for Automatically Fired Boilers . . . . .	631.1

**ASTM**

ASTM International  
 100 Barr Harbor Drive  
 West Conshohocken, PA 19428-2959

Standard reference number	Title	Referenced in code section number
A 53/A 53M—02	Specification for Pipe, Steel, Black and Hot Dipped Zinc-coated Welded and Seamless . . . . .	403.4.2
A 106—04	Specification for Seamless Carbon Steel Pipe for High-temperature Service . . . . .	403.4.2
A 254—97 (2002)	Specification for Copper Brazed Steel Tubing . . . . .	403.5.1
A 539—99	Specification for Electric Resistance-welded Coiled Steel Tubing for Gas and Fuel Oil Lines . . . . .	403.5.1
B 88—03	Specification for Seamless Copper Water Tube . . . . .	403.5.2
B 210—02	Specification for Aluminum and Aluminum-alloy Drawn Seamless Tubes . . . . .	403.5.3
B 241/B 241M—02	Specification for Aluminum and Aluminum-alloy, Seamless Pipe and Seamless Extruded Tube . . . . .	403.4.4, 403.5.3
B 280—03	Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service . . . . .	403.5.2
C 64—72 (1977)	Withdrawn No Replacement (Specification for Fireclay Brick Refractories for Heavy Duty Stationary Boiler Service) . . . . .	503.10.2.5
C 315—02	Specification for Clay Flue Linings . . . . .	501.12
D 2513—04a	Specification for Thermoplastic Gas Pressure Pipe, Tubing, and Fittings . . . . .	403.6, 403.6.1, 403.11, 404.14.2

**AWWA**

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

Standard reference number	Title	Referenced in code section number
C111—00	Rubber-Gasket Joints for Ductile-iron Pressure Pipe and Fittings . . . . .	403.12

**CGA**

Compressed Gas Association  
 1725 Jefferson Davis Highway, 5th Floor  
 Arlington, VA 22202-4102

Standard reference number	Title	Referenced in code section number
S-1.1—(2002)	Pressure Relief Device Standards—Part 1—Cylinders for Compressed Gases . . . . .	703.3
S-1.2—(1995)	Pressure Relief Device Standards—Part 2—Cargo and Portable Tanks for Compressed Gases . . . . .	703.3
S-1.3—(1995)	Pressure Relief Device Standards—Part 3—Stationary Storage Containers for Compressed Gases . . . . .	703.3

# CSA

CSA America Inc.  
8501 E. Pleasant Valley Rd.  
Cleveland, OH USA 44131-5575

Standard reference number	Title	Referenced in code section number
ANSI CSA America FC1-03	Stationary Fuel Cell Power Systems . . . . .	633.1
CSA Requirement 3-88	Manually Operated Gas Valves for Use in House Piping Systems . . . . .	409.1.1
CSA 8—93	Requirements for Gas-fired Log Lighters for Wood Burning Fireplaces with Revisions through January 1999 . . . . .	603.1

# DOTn

Department of Transportation  
400 Seventh St. SW.  
Washington, DC 20590

Standard reference number	Title	Referenced in code section number
49 CFR, Parts 192.281(e) & 192.283 (b)	Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards . . . . .	403.6.1
49 CFR Parts 100-180	Hazardous Materials Regulations . . . . .	703.2.2, 703.3.3, 703.3.4

# Florida Codes

Florida Building Commission  
c/o Florida Department of Community Affairs  
Building Codes and Standards  
2555 Shumard Oak Boulevard  
Tallahassee, FL 32399-2100

Standard reference number	Title	Referenced in code section number
FBC-B—07	Florida Building Code, Building . . . . .	101.1, 201.3, 301.14, 302.1, 302.2, 305.6, 306.6, 401.1.1, 412.6, 413.3, 413.3.1, 501.1, 501.3, 501.12, 501.15.4, 609.3, 614.2, 706.1, 706.3
Chapter 13	Florida Building Code, Building: Energy Efficiency . . . . .	301.2
Chapter 27	Florida Building Code, Building: Electrical (NEC/NFPA 70) . . . . .	201.3, 306.3.1, 306.4.1, 306.5.2, 309.1, 309.2, 413.8.2.4, 703.6, 706.3.6,
FBC-M—07	Florida Building Code, Mechanical . . . . .	201.3, 301.10, 301.13, 304.11, 501.1, 614.2, 618.5, 621.1, 624.1, 631.2, 632.1, 703.1.2, 706.3.2
FBC-P—07	Florida Building Code, Plumbing . . . . .	201.3, 301.6, 624.1.1, 624.2
FBC-R—07	Florida Building Code, Residential . . . . .	703.2.1
FFPC—07	Florida Fire Prevention Code . . . . .	201.3, 303.4, 401.2, 412.1, 412.6, 412.7, 412.7.3, 412.8, 413.1, 413.3, 413.3.1, 413.4, 413.8.2.5, 701.1, 701.2, 703.2, 703.2.2, 703.3.8, 703.4, 703.5, 704.1.2, 704.3, 704.4, 706.2, 706.3.4, 706.3.5, 707.1, 707.2, 708.1

# MSS

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

Standard reference number	Title	Referenced in code section number
SP-6—01	Standard Finishes for Contact Faces of Pipe Flanges and Connecting-end Flanges of Valves and Fittings . . . . .	403.12
SP-58—93	Pipe Hangers and Supports—Materials, Design and Manufacture . . . . .	407.2

REFERENCED STANDARDS

**NFPA**

National Fire Protection Association  
 1 Batterymarch Pike  
 P.O. Box 9101  
 Quincy, MA 02269-9101

Standard reference number	Title	Referenced in code section number
30A-03	Code for Motor Fuel Dispensing Facilities and Repair Garages	305.5
37-02	Installation and Use of Stationary Combustion Engines and Gas Turbines	616.1
50A-99	Gaseous Hydrogen Systems at Consumer Sites	706.1
51-02	Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes	414.1
58-04	Liquefied Petroleum Gas Code	401.2, 402.6.1, 403.6.2, 403.11
82-04	Incinerators, Waste and Linen Handling Systems and Equipment	607.1
85-04	Boiler and Combustion Systems Hazards Code	631.1
211-03	Chimneys, Fireplaces, Vents, and Solid Fuel-burning Appliances	503.5.2, 503.5.3, 503.5.6.1, 503.5.6.3
853-03	Installation of Stationary Fuel Cell Power Systems	633.1

**UL**

Underwriters Laboratories Inc.  
 333 Pfingsten Road  
 Northbrook, IL 60062

Standard reference number	Title	Referenced in code section number
103-2001	Factory-built Chimneys, Residential Type and Building Heating Appliances - with Revisions through December 2003	506.1
127-99	Factory-built Fireplaces—with Revisions through November 1999	621.7
441-96	Gas Vents—with Revisions through December 1999	502.1
641-95	Type L Low-temperature Venting Systems—with Revisions through April 1999	502.1
651-05	Schedule 40 and Schedule 80 Rigid PVC Conduit and Fittings	403.6.3
795-01	Commercial-Industrial Gas Heating Equipment	610.1, 618.1, 631.1
959-01	Medium Heat Appliance Factory-built Chimneys	506.3
1738-00	Venting Systems for Gas Burning Appliances, Categories II, III and IV with Revisions through December 2000	502.1
1777-04	Standard for Chimney Liners	501.12, 501.15.4

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