Florida Building Code, Fuel Gas

**IFGC/IFGS CHAPTER 8**

**REFERENCED STANDARDS**

FBCFG

**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 102.4 of the *Florida Building Code, Building*.

**ANSI**

**ANSI**

American National Standards Institute 25 West 43rd Street

Fourth Floor

New York, NY 10036

Standard Referenced

reference in code

number Title section number

ANSI A13.1—2007 Scheme for the Identification of Piping Systems 704.1.2.2

ANSI FC 1—2012 Stationery Fuel Cell Power Systems 633.1

LC 1/CSA 6.26—~~13~~ 18 (P7202-R1) Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST) 403.5.4

ANSI LC-4/CSA 6.32—12 Press-connect Metallic Fittings for Use In Fuel Gas Distribution Systems 403.10.2

Z21.1—2010 Household Cooking Gas Appliances 623.1

Z21.5.1/CSA 7.1—2014 Gas Clothes Dryers—Volume I—Type 1 Clothes Dryers 613.1

Z21.5.2/CSA 7.2—2014 Gas Clothes Dryers—Volume II—Type 2 Clothes Dryers . . . . . . . . . . . . . . . . . . . . . 613.1, 614.3

Z21.8—94 (R2002) Installation of Domestic Gas Conversion Burners 619.1

Z21.10.1/CSA 4.1—2012 Gas Water Heaters—Volume I—Storage, Water Heaters with Input Ratings

of 75,000 Btu per Hour or Less 624.1

Z21.10.3/CSA 4.3—2011 Gas Water Heaters—Volume III—Storage, Water Heaters with Input Ratings

Above 75,000 Btu per hour, Circulating and Instantaneous 624.1

Z21.11.2—2011 Gas-fired Room Heaters-Volume II-Unvented Room Heaters 621.1

Z21.13/CSA 4.9—2011 Gas-fired Low-pressure Steam and Hot Water Boilers 631.1

Z21.15/CGA 9.1—09 Manually Operated Gas Valves for Appliances, Appliance Connector Valves and

Hose End Valves . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Table 409.1.1

Z21.19/CSA 1.4—

02(R2007) Refrigerators Using Gas (R1999) Fuel 625.1

Z21.24/CGA 6.10—06 Connectors for Gas Appliances . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 411.1, 411.3

Z21.40.1/CGA 2.91—96 Gas-Fired Heat Activated Air Conditioning and Heat Pump Appliances 627.1

(R2011)

Z21.40.2/CGA 2.92—96(R2011) Gas-Fired Work Activated Air Conditioning and Heat Pump

Appliances (Internal Combustion) 627.1

Z21.42—2014 Gas-Fired Illuminating Appliances 628.1

Z21.47/CSA 2.3—2012 Gas-Fired Central Furnaces 618.1

Z21.50/CSA 2.22—20~~12~~16 Vented Gas Fireplaces 604.1

Z21.54—09 Gas Hose Connectors for Portable Outdoor Gas Fired Appliances 411.1

Z21.56/CSA 4.7—2013 Gas-Fired Pool Heaters 617.1

Z21.58/CSA 1.6—2013 Outdoor Cooking Gas Appliances 623.1

Z21.60/CSA 2.26—2012 Decorative Gas Appliances for Installation in Solid-fuel Burning Fireplaces 602.1

Z21.61—83 (R2004) Gas-fired Toilets 626.1

Z21.69/CSA 6.16—09 Connectors for Movable Gas Appliances . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 411.1.1, 411.1.4 Z21.75/CSA 6.27—07 Connectors for Outdoor Gas Appliances and Manufactured Homes. . . . . . . . . . . . . . 411.1, 411.2 Z21.80/CSA 6.22—11 Line Pressure Regulators 410.1

Z21.84—2012 Manually-lighted, Natural Gas Decorative Gas Appliances for

Installation in Solid Fuel Burning Fireplaces . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 602.1, 602.2

Z21.86/CSA 2.32—08 Vented Gas-fired Space Heating Appliances. . . . . . . . . . . . . . . . . . . . . . . . . . .608.1, 609.1, 622.1 Z21.88/CSA 2.33—20~~14~~16 Vented Gas Fireplace Heaters 605.1

Z21.91—07 Ventless Firebox Enclosures for Gas-fired Unvented Decorative Room Heaters 621.7.1

ANSI Z21.93/CSA 6.30 - 2013 Excess Flow Valves for Natural and LP Gas with Pressures Up To 5 psig

(FG33-15)

Z21.97—2012 Outdoor Decorative Appliances 636.1

Z83.4/CSA 3.7—2012 Nonrecirculating Direct-gas-fired Industrial Air Heaters 611.1

Z83.8/CSA 2.6—09 Gas Unit Heater, Gas Packaged Heater, Gas Utility

Heaters and Gas-fired Duct Furnaces . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 610.1, 620.1

Z83.11/CSA 1.8—2013 Gas Food Service Equipment 623.1

Z83.18—2012 Recirculating Direct Gas-fired Industrial Air Heaters 612.1

Z83.19—01(R2009) Gas-fired High-intensity Infrared Heaters 630.1

Z83.20—08 Gas-fired Low-intensity Infrared Heaters 630.1

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**REFERENCED STANDARDS**

**ASME**

**ANSI**

American Society of Mechanical Engineers Three Park Avenue

New York, NY 10016-5990

Standard Referenced

reference in code

number Title section number

B1.20.1—83

(Reaffirmed 2006) Pipe Threads, General Purpose (inch) 403.9

B16.1—~~2010~~ 2015  ~~Cast~~ Gray-iron Pipe Flanges and Flanged Fittings, Class 25, 125 and 250 403.12.1

B16.5—~~R2009~~2015 Pipe Flanges and Flanged Fittings: NPS 1/2 through NFPS 24 Metric/Inch Standard 403.12.2

B16.24—~~2011~~2016 Cast Copper Alloy Pipe Flanges and Flanged Fittings:

Classes 150, 300, 600, 900, 1500 and 2500 403.12.3

B16.42—~~2011~~ 2016 Ductile Iron Pipe Flanges and Flanged Fittings, Classes 150 and 300 403.12.4

B16.47—~~2011~~ 2016 Large Diameter Steel Flanges: NPS 26 through NPS 60 Metric/Inch Standard 403.12.2

B16.33—2012 Manually Operated Metallic Gas Valves for Use in Gas Piping Systems

up to 125 psig (Sizes 1/2 through 2) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .Table 409.1.1

B16.44—~~2002~~

~~(Reaffirmed 2007)~~ 2012 Manually Operated Metallic Gas Valves for Use in Aboveground Piping Systems

Up to 5 psi . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .Table 409.1.1

B31.3—~~2012~~2016 Process Piping 704.1.2.4

B31.12—~~2008~~ 2014 Hydrogen Piping and Pipelines. . . . . . . . . . . . . . . . . . . . . . . . . . . 704.1.2, 704.1.2.4, 705.2, 705.3

B36.10M—2004 (R2015) Welded and Seamless Wrought-steel Pipe 403.4.2

BPVC—~~2010/2011 addenda~~2015 ASME Boiler & Pressure Vessel Code (2007 Edition) . . . . . . . . 631.1, 703.2.2, 703.3.3, 703.3.4 CSD-1—2011 Controls and Safety Devices for Automatically Fired Boilers 631.1

A13.1 2015 Scheme for the Identification of Piping Systems

**ASTM**

ASTM International 100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

Standard Referenced

reference in code

number Title section number

A53/A53M—12 Specification for Pipe, Steel, Black and Hot Dipped

Zinc-coated Welded and Seamless 403.4.2

A106/A106M—~~11~~14 Specification for Seamless Carbon Steel Pipe for High-temperature Service 403.4.2

A254—~~97 (2007)~~2012 Specification for Copper Brazed Steel Tubing 403.5.1

B88—09 Specification for Seamless Copper Water Tube 403.5.2

B210—12 Specification for Aluminum and Aluminum-alloy Drawn Seamless Tubes 403.5.3

B241/B241M—12E1 Specification for Aluminum and Aluminum-alloy, Seamless Pipe

and Seamless Extruded Tube . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .403.4.4, 403.5.3

B280—~~08~~13 Standard Specification for Seamless Copper Tube for

Air-Conditioning and Refrigeration Field Service 403.5.2

C315—07(2011) Specification for Clay Flue Liners and Chimney Pots 501.12

D2513—201~~3~~4E1 Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing and Fittings . . . . . 403.6, 403.6.1

403.11, 404.17.2

E136—~~2012~~2016 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C 202

F1973—~~08~~13E1 Standard Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) and Polyamide 11 (PA11)

and Polyamide 12 (PA12) Fuel Gas Distribution Systems 404.17.2

A74-15 Specification for Cast Iron Soil Pipe and Fittings

**CGA**

Compressed Gas Association

14501 George Carter Way, Suite 103

Chantilly, VA 20151-2923

Standard Referenced

reference in code

number Title section number

S-1.1—~~(2011)~~(2017) Pressure Relief Device Standards—Part 1—Cylinders for Compressed Gases 703.3

S-1.2—~~(2005)~~(2009) Pressure Relief Device Standards—Part 2—Cargo and Portable Tanks

for Compressed Gases 703.3

S-1.3—~~(2008)~~(2016) Pressure Relief Device Standards—Part 3—Stationary Storage Containers

for Compressed Gases 703.3

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Standard Referenced

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number Title section number

Z21.50/CSA 2.22-2016 Vented Gas Fireplace Heaters

Z21.88/CSA 2.33-2016 Vented Gas Fireplace Heaters

 CSA 8-93 Requirements for Gas-Fired Log Lighters for Wood Burning Fireplaces

**CSA**

CSA America Inc.

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

Standard Referenced

reference in code

number Title section number

ANSI CSA America

FC1—2012 Stationary Fuel Cell Power Systems 633.1

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 Referenced

reference in code

number Title section number

49 CFR, Parts 192.281(e)

& 192.283 (b)—(2009) 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 Business and Professional Regulation Building Codes and Standards 2601 Blair Stone Road

Tallahassee, Florida 32399

Standard Referenced

reference in code

number Title section number

FBC-B—Seventh Edition (2020) Florida Building Code, Building . . . . . . . . . . . . . . .101.1, 201.3, 301.10, 301.11, 301.12, 301.14,

302.1, 302.2, 305.6, 306.5.1, 306.6, 311.1, 401.1.1, 412.6,

413.3, 413.3.1, 501.1, 501.3, 501.12, 501.15.4,

501.15.4.1, 609.3, 614.2, 614.10, 633.1, 635.1, 701.2, 706.2

FBC-EC—Seventh Edition (2020) Florida Building Code, Energy Conservation 301.2

FBC-M—Seventh Edition (2020) Florida Building Code, Mechanical . . . . . . . . . . . . . . . . . 101.2.5, 201.3, 301.1.1, 301.13, 304.11,

307.1, 307.5, 501.1, 614.2, 614.10, 618.4, 621.1,

624.1, 631.2, 632.1, 703.1.2, 706.2

FBC-P—Seventh Edition (2020) Florida Building Code, Plumbing . . . . . . . . . . . . . . . . . . . . . . 201.3, 301.6, 307.3, 624.1.1, 624.2

FBC-R—Seventh Edition (2020) Florida Building Code, Residential . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .101.2, 703.2.1

FFPC-Seventh Edition (2020) Florida Fire Prevention Code. . . . . . . . . . . . . . . . . . . . . . . . . . . 201.3, 401.2, 412.1, 412.6, 412.7,

412.8, 412.8.3, 412.9. 413.1, 413.3, 413.3.1, 413.5,

413.9.2.5, 633.1, 635.1, 701.1, 701.2, 703.2, 703.2.2, 703.3.8,

703.4, 703.5, 704.1.2, 704.3, 704.4, 706.3, 707.1, 707.2, 708.1

FS Florida Statutes 202

**MSS**

Manufacturers Standardization Society of the Valve and Fittings Industry

127 Park Street, Northeast Vienna, VA 22180

Standard Referenced

reference in code

number Title section number

SP 58—2009 Pipe Hangers and Supports-Materials, Design and Manufacture 407.2

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127 Park Street, Northeast Vienna, VA 22180

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**REFERENCED STANDARDS**

**NFPA**

National Fire Protection Association 1 Batterymarch Park

Quincy, MA 02269-9101

Standard Referenced

reference in code

number Title section number

NFPA 2-2016 *Hydrogen Technologies Code*

(FF274-16)

30A—~~15~~18 Code for Motor Fuel Dispensing Facilities and Repair Garages . . . . . . . . . . . . . . . .305.4, 305.10

37—~~15~~18 Standard for the Installation and Use of Stationary Combustion

Engines and Gas Turbines 616.1

51—~~13~~18 Design and Installation of Oxygen-fuel Gas Systems for Welding,

Cutting and Allied Processes 414.1

58—14 Liquefied Petroleum Gas Code. . . . . . . . . . . . . . . . . . . . . . . . . . . . . 401.2, 402.6, 403.6.2, 403.11

70—14 National Electrical Code. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 306.3.1, 306.4.1, 306.5.2,

309.2, 310.1.1.2, 413.9.2.4, 703.6

82—14 Incinerators, Waste and Linen Handling Systems and Equipment. . . . . . . 503.2.5, T503.4, 607.1

85—15 Boiler and Combustion Systems Hazards Code 631.1

88A—15 Parking Structures 305.9

211—~~13~~16 Standard for the Chimneys, Fireplaces, Vents and Solid

Fuel-burning Appliances. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 503.5.2, 503.5.3,

503.5.6.1, 503.5.6.3

409—~~11~~16 Standard for the Aircraft Hangars 305.11

853—15 Installation of Stationary Fuel Cell Power Systems 633.1

UL LLC

**UL**

333 Pfingsten Road

Northbrook, IL 60062

Standard Referenced

reference in code

number Title section number

103—2010 Factory-built Chimneys, Residential Type and Building

Heating Appliances—with Revisions through July 2012 506.1

127—2011 Factory-built Fireplaces 621.7

441—2010 Gas Vents-with revisions through June 12, 2014 502.1

641—2010 Type L Low-temperature Venting Systems—with Revisions through May 2013 502.1

651—2011 Schedule 40 and 80 Rigid PVC Conduit and Fittings—

with Revisions through ~~March 2012~~May 2014 403.6.3

795—2011 Commercial-industrial Gas Heating Equipment—

with Revisions through ~~September 2012~~ November 2013. . . . . . . . . . . . . . . . . . . . . . . . . . . 610.1, 618.1, 631.1

959—2010 Medium Heat Appliance Factory-built Chimneys-with revisions through June 2014 506.3

1618—09 Wall Protectors, Floor Protectors and Hearth Extensions—

with Revisions through ~~May 2013~~October 2015 308.2

1738—2010 Venting Systems for Gas Burning Appliances, Categories II, III and IV—

with Revisions through ~~May 2011~~November 2014 502.1

1777—2007 Chimney Liners—with Revisions through July 2009. . . . . . . . . . . . . . . . . . . . . . 501.12, 501.15.4

2200—2012 Stationary Engine Generator Assemblies—with Revisions through June 2013 616.1