**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*.

American National Standards Institute 25 West 43rd Street

**ANSI**

Fourth Floor

New York, NY 10036

Standard Referenced

reference in code

number Title section number

ANSI A13.1—2020 Scheme for the Identification of Piping Systems 704.1.2.2

ANSI/CSA FC 1—2014 Fuel Cell Technologies—Part 3-100: Stationery Fuel Cell Power Systems—Safety 633.1

CSA/ANSI NGV 5.1—~~2016~~:22 Residential Fueling Appliances . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .413. 2.3, 413.4

CSA/ANSI NGV 5.2—2017 Vehicle Fueling Appliances (VFA) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .413. 2.4, 413.5

~~LC 1/CSA 6.26—2016~~ Fuel Gas Piping Systems Using Corrugated

CSA/ANSI LC1:19/CSA 6.26:19 **(Please check updated IRC)** Stainless Steel Tubing ~~(CSST).~~ . . . 310.2, 310.3, 401.5, 403. 5.5, 404.5

CSA/ANSI FC 1:21/CSA C22.2 Fuel Cell Technologies—Part 3- 100: Stationary Fuel Cell Power Systems—Safety

NO. 62282-3-100:21

~~ANSI LC-4/CSA 6.32—12~~ Press-connect Metallic Fittings and valves for Use In Fuel Gas

CSA/ANSI LC 4:23/CSA 6.32:23 Distribution Systems . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 402.7, 403.10.1, 403. 10.2, 404.5

Z21.1/CSA 1.1—~~2016~~ 2018 Household Cooking Gas Appliances 623.1

Z21.5.1/CSA 7.1—2017 Gas Clothes Dryers—Volume I—Type 1 Clothes Dryers 613.1

Z21.5.2/CSA 7.2—2016 Gas Clothes Dryers—Volume II—Type 2 Clothes Dryers 613.1, 614.3

Z21.8—~~94 (R2012)~~94(R2017) Installation of Domestic Gas Conversion Burners 619.1

CSA/ANSI Z21.10.1:19/CSA 4.1—~~2017~~:19 Gas Water Heaters—Volume I—Storage, Water Heaters with Input Ratings

of 75,000 Btu per Hour or Less 624.1

CSA/ANSI Z21.10.3:19/CSA 4.3—~~2017~~:19 Gas Water Heaters—Volume III—Storage, Water Heaters with Input Ratings

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

CSA/ANSI Z21.11.2—~~2016~~:19 Gas-fired Room Heaters-Volume II-Unvented Room Heaters 621.1

Z21.13/CSA 4.9—2017 Gas-fired Low-pressure Steam and Hot Water Boilers 631.1

CSA/ANSI Z21.15:22/CGA 9.1—~~2009(R2014)~~ :22 Manually Operated Gas Valves for Appliances, Appliance Connector Valves and

Hose End Valves Table 409.1.1

CSA/ANSI Z21.19:19/CSA 1.4—~~2014~~:19 Refrigerators Using Gas (R1999) Fuel 625.1

ANSI Z21.24-2015(R2020)/

CGA 6.10—~~2015~~2015(R2020) Connectors for Gas Appliances 411.1, 411.3

ANSI Z21.40.1(R2017) /CGA 2.91—~~1996~~M96(R2017) Gas-Fired Heat Activated Air Conditioning and Heat Pump ~~Appliances~~ 627.1

Z21.40.2/CGA 2.92—1996(R2017) Gas-Fired Work Activated Air Conditioning and Heat Pump

Appliances (Internal Combustion) 627.1

ANSI Z21.41(R2019)/CSA 6.9—~~2014~~(R2019) Quick Disconnect Devices for Use with Gas Fuel Appliances 411.1

CSA/ANSI Z21.42—~~20~~13(R2018) Gas-Fired Illuminating Appliances 628.1

Z21.47/CSA 2.3—2016 Gas-Fired Central Furnaces 618.1

ANSI Z21.50:19/CSA 2.22—~~2016~~:19 Vented Decorative Gas Fireplaces 604.1

CSA/ANSI Z21.54:19—~~2014~~/CSA 8.4:19 Gas Hose Connectors for Portable Outdoor Gas Fired Appliances 411.1

CSA/ANSI Z21.56:19/CSA 4.7—~~2017~~:19 Gas-Fired Pool Heaters 617.1

CSA/ANSI Z21.58:22/CSA 1.6—~~2015~~:22 Outdoor Cooking Gas Appliances 623.1

Z21.60/CSA 2.26—2017 Decorative Gas Appliances for Installation in Solid-fuel Burning Fireplaces 602.1

Z21.61—1983(R2013) Gas-fired Toilets 626.1

ANSI Z21.69-2015(R2020)/CSA 6.16—2015(R2020) Connectors for Movable Gas Appliances . . . . . . . . . . . . . . . . . . . . . 411. 1.1, 411.1.4

ANSI Z21.75-2016/CSA 6.27—~~2016~~ (R2020) Connectors for Outdoor Gas Appliances and Manufactured Homes 411.1, 411.2

CSA/ANSI Z21.80:19/CSA 6.22—~~2016~~:19 Line Pressure Regulators 410.1

Z21.84—2017 Manually-lighted, Natural Gas Decorative Gas Appliances for

Installation in Solid-Fuel Burning Appliances 602.1, 602.2

Z21.86/CSA 2.32—2016 Vented Gas-fired Space Heating Appliances. . . . . . . . . . . . . . . . . . . . . . . . . . .608.1, 609.1, 622.1 Z21.88/CSA 2.33—~~2016~~:19 Vented Gas Fireplace Heaters 605.1

Z21.90/CSA 6.24—2015 Gas Convenience Outlets and Optional Enclosures 411.1

CSA/ANSI Z21.91—~~2017~~:20 Ventless Firebox Enclosures for Gas-fired Unvented Decorative Room Heaters 621.7.1

ANSI Z21.93/CSA 6.30—2017 Excess Flow Valves for Natural and LP Gas with Pressures Up To 5 psig 410.4

Z21.97—2014 Outdoor Decorative Gas Appliances 635.1

Z83.4/CSA 3.7—2017 Nonrecirculating Direct-gas-fired Heating and Forced Ventilation Appliances

for Commercial and Industrial Application 611.1

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**REFERENCED STANDARDS**

# ANSI—continued

Z83.8/CSA 2.6—2016 Gas Unit Heater, Gas Packaged Heaters, Gas Utility

Heaters and Gas-fired Duct Furnaces 610.1, 620.1

ANSI Z83.11-2016(R2021)/CSA 1.8—2016(R2021) Gas Food Service Equipment 623.1

ANSI Z83.18—2017 (R2021) Recirculating Direct Gas-fired Heating and Forced Ventilation Appliances

for Commercial and Industrial Application 612.1

Z83.19—09(R2014) Gas-fired High-intensity Infrared Heaters 630.1

Z83.20—2016 Gas-fired Tubular and Low-intensity Infrared Heaters 630.1

American Society of Mechanical Engineers Three Park Avenue

**ASME**

New York, NY 10016-5990

Standard Referenced

reference in code

number Title section number

B1.20.1—~~2013(R2018)~~

~~(Reaffirmed 2006)~~ 2023 Pipe Threads, General Purpose (inch) 403.9

B16.1—2020 Gray-iron Pipe Flanges and Flanged Fittings, Class 25, 125 and 250 403.12.1

B16.5—~~2017~~ 2024 Pipe Flanges and Flanged Fittings: NPS 1/2 through NFPS 24 Metric/Inch Standard 403.12.2

B16.24—2021 Cast Copper Alloy Pipe Flanges and Flanged Fittings:

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

B16.33—~~2012 (R2017)~~2022 Manually Operated Metallic Gas Valves for Use in Gas Piping

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

B16.42—2021 Ductile Iron Pipe Flanges and Flanged Fittings, Classes 150 and 300 403.12.4

B16.44—~~2012(R2017)~~

~~(Reaffirmed 2007)~~ 2022 Manually Operated Metallic Gas Valves for Use in Aboveground Piping Systems

Up to 5 psi Table 409.1.1

B16.47— ~~2020~~2023 Large Diameter Steel Flanges: NPS 26 through NPS 60 Metric/Inch Standard 403.12.2

B31.3—~~2020~~2022 Process Piping 704.1.2.4

B31.12—2019 Hydrogen Piping and Pipelines. . . . . . . . . . . . . . . . . . . . . . . . . . . 704.1.2, 704.1.2.4, 705.2, 705.3

B36.10M—~~2018~~ 2023 Welded and Seamless Wrought-steel Pipe 403.4.2

BPVC—~~2019~~2024 ASME Boiler & Pressure Vessel Code. . . . . . . . . . . . . . . . . . . . . 631.1, 703.2.2, 703. 3.3, 703.3.4

CSD-1—~~2021~~2024 Controls and Safety Devices for Automatically Fired Boilers 631.1

**ASSE**

American Society of Safety Engineers 1800 East Oakton Street

Des Plaines, IL 60018

Standard Referenced

Reference in code

number Title section number

ANSI/ASSE Z359.1—2020 The Fall Protection Code

ASTM International 100 Barr Harbor Drive

**ASTM**

West Conshohocken, PA 19428-2959

Standard Referenced

reference in code

number Title section number

A53/A53M—~~2018~~2020 Specification for Pipe, Steel, Black and Hot Dipped

Zinc-coated Welded and Seamless 403.4.2

A106/A106M—2018 Specification for Seamless Carbon Steel Pipe for High-temperature Service 403.4.2

A254—~~2010(2018)~~/A254M-12(2019) Specification for Copper Brazed Steel Tubing 403.5.1

A268/A268M— 2010(16) Standard Specification for Seamless and Welded Ferritic and Martensitic

Stainless Steel Tubing for General Service 403.5.2

A269/A269M— 2015A 2019 Standard Specification for Seamless and Welded Austenitic Stainless

Steel Tubing for General Service 403.5.2

A312/A312M— ~~2018~~ 21 Standard Specification for Seamless, Welded and Heavily Cold Worked

Austenitic Stainless Steel Pipes 403.4.2

B88—~~2016~~20 Specification for Seamless Copper Water Tube 403.5.3

B210—12 Specification for Aluminum and Aluminum-alloy Drawn Seamless Tubes 403.5.4

B241/B241M—2016 Specification for Aluminum and Aluminum-alloy, Seamless Pipe

and Seamless Extruded Tube . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .403. 4.4, 403.5.4

B280—~~2018~~20 Standard Specification for Seamless Copper Tube for

Air-Conditioning and Refrigeration Field Service 403.5.3

C315—2007~~(2016)~~ (2021) Specification for Clay Flue Liners and Chimney Pots 501.12

D2513—~~2018A~~20 Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing and Fittings 403.6, 403.6.1

403.11, 404.17.2

E136—2019A Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C 202

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**REFERENCED STANDARDS**

# ASTM—continued

F1973—2019(2018) 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

F2945—2018 Standard Specification for Polyamide 11 Gas Pressure Pipe, Tubings and Fittings 403.6

Compressed Gas Association

**CGA**

14501 George Cater C Way, Suite 103 Chantilly, VA 20151-2923

Standard Referenced

reference in code

number Title section number

S-1.1 (—~~(2011)~~(2019) Pressure Relief Device Standards—Part 1—Cylinders for Compressed Gases 703.3

S-1.2—2019 Pressure Relief Device Standards – Part 2 – Portable Containers for Compressed Gases 703.3

S-1.3 (—~~(2008)~~ (2020) Pressure Relief Device Standards—Part 3—Stationary Storage Containers for

Compressed Gases 703.3

CSA America Inc.

**CSA**

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

Standard Referenced

reference in code

number Title section number

ANSI/CSA FC1—2012 Stationary Fuel Cell Power Systems 633.1

ANSI/CSA NGV 5.1—~~2016~~:22 Residential Fueling Appliances . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .413. 2.3, 413.4

CSA 8—93 Requirements for Gas-fired Log Lighters for Wood Burning Fireplaces 603.1

ANSI/CSA NGV 5.2—:22 Vehicle Fueling Appliances (VFA)

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

**DOTn**

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 Building Commission

**Florida Codes**

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—Eighth Edition (2023) Florida Building Code, Building 101.1, 201.3, 301.3, 301.10, 301.11, 301.12, 301.14,

302.1, 302.2, 305.6, 306.5.1, 306.6, 311.1, 301.14, 302.1, 305.6, 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, 614.11, 633.1, 634.1, 701.2, 706.2

FBC-EC—Eighth Edition (2023) Florida Building Code, Energy Conservation 301.2, 614.11

FBC-M—Eighth Edition (2023) Florida Building Code, Mechanical . . . . . . . . . . . . . . . . . 101.2.5, 201.3, 301.1.1, 301.13, 304.11,

307.1, 307.5, 501.1, 614.2, 614.4, 614.10, 614.11,

618.3, 621.1, 624.1, 631.2, 632.1, 706.2

FBC-P—Eighth Edition (2023) Florida Building Code, Plumbing . . . . . . . . . . . . . . . . . . . . . . 201.3, 301.6, 307.3, 624 1.1, 624.2

FBC-R—Eighth Edition (2023) Florida Building Code, Residential 101.2, 703.2.1

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**REFERENCED STANDARDS**

# Florida Codes—continued

FFPC—Eighth Edition (2023) Florida Fire Prevention Code 201.3, 303.3.1, 401.2, 412.1, 412.6, 412.7,

412.8, 412.8.3, 412.9. 413.1, 413.3, 413.3.1, 413.4, 413.5,

413.10.2.5, 633.1, 634.1, 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

Manufacturers Standardization Society of the Valve and Fittings Industry

**MSS**

127 Park Street, Northeast Vienna, VA 22180

Standard Referenced

reference in code

number Title section number

SP 58—~~2018~~2023 Pipe Hangers and Supports-Materials, Design and Manufacture Selection Application and Installation 407.2

National Fire Protection Association 1 Batterymarch Park

**NFPA**

Quincy, MA 02269-9101

Standard Referenced

reference in code

number Title section number

NFPA 2—2020 19 Hydrogen Technologies Code 703.1, 706.2

30A—21 Code for Motor Fuel Dispensing Facilities and Repair Garages 305.4, 305.10

37—~~18~~21 Standard for the Installation and Use of Stationary Combustion

Engines and Gas Turbines 616.1

51—~~18~~23 Design and Installation of Oxygen-fuel Gas Systems for Welding,

Cutting and Allied Processes 414.1

58—20 Liquefied Petroleum Gas Code . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 401.2, 402.7, 403. 6.2, 403.11

70—20 National Electrical Code . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 306.3.1, 306.4.1, 306.5.2,

309.2, 310.2.4, 413.10. 2.4, 703.6

82—19 Incinerators, Waste and Linen Handling Systems and Equipment. . . . . . . 503.2.5, T503.4, 607.1

85—~~19~~23 Boiler and Combustion Systems Hazards Code 631.1

88A—~~19~~23 Standard for Parking Structures 305.9

211—~~19~~22 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—~~16~~22 Standard for the Aircraft Hangars 305.11

853—20 Standard Installation of Stationary Fuel Cell Power Systems 633.1

Sheet Metal & Air Conditioning Contractors National Assoc. Inc. 4021 Lafayette Center Road

**SMACNA**

Chantilly, VA 22021

Standard Referenced

reference in code

number Title section number

ANSI/SMACNA HVAC Duct Construction Standards, Metal and Flexible, (ANSI/SMACNA 006-2020)

4th Edition—2020

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 March 2017 503.5.1, 506.1

127—2011 Factory-built Fireplaces—with Revisions through ~~July 2016~~ February 2020 621.7

378—2006 Draft Equipment—with Revisions through September 2013 . . . . . . . . . . . . . . . .503 3.3, 503.13.1

441—2016 Gas Vents—with Revisions through July 2016 502.1, 503.6.1

641—2010 Type L Low-temperature Venting Systems—with Revisions through April 2018 502.1, 503.6.1

651—2011 Schedule 40, and Schedule 80- ~~Type EB and A~~ Rigid PVC Conduit and Fittings—

with Revisions through ~~June 2016~~March 2020 403.6.3

705—2017 Power Ventilators— with revisions through August 2021

795—2016 Commercial-industrial Gas Heating with revisions through 2020 . . . . . . . . . . . . . . 610.1, 618.1, 631.1

959—2010 Medium Heat Appliance Factory-built Chimneys—

with Revisions through ~~June 2014~~ August 2019 506.3

1618—2015 Wall Protectors, Floor Protectors and Hearth Extensions—

with Revisions through January 2018 308.2

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**REFERENCED STANDARDS**

# UL—continued

1738—2010 Venting Systems for Gas Burning Appliances,

Categories II, III and IV August 2021 502.1, 503.4.1, 503.4.1.1, 503.4.2

1777—~~2007~~2015 Chimney Liners—with Revisions through April ~~2014~~ 2019. . . . . . . . . . . . . .501.12, 501. 15.4, 503.5.3

2158A—2013 Clothes Dryer Transition Duct—with revisions through October 2021

2200—~~2012~~2020 Stationary Engine Generator Assemblies—~~with Revisions through October 2015~~ 616.1

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