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

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—2015 A13.1— 2020

 Scheme for the Identification of Piping Systems 704.1.2.2

ANSI FC 1—2012 1—2014 ~~Stationery Fuel Cell Power Systems~~ Fuel cell technologies - Part 3-100: Stationary fuel cell power systems-Safety -Safety 633.1

LC 1/CSA ~~6.26—2013~~ 6.26

—2016 Fuel Gas Piping Systems Using Corrugated
  Stainless Steel Tubing (CSST) 310.2, 310.3, 403.5.5, 404.5,

ANSI LC-4/CSA 6.32—12 Press-connect Metallic Fittings for Use In Fuel Gas
  Distribution Systems 403.10.1, 403.10.2, 403.10.3, 404.5

ANSI NGV ~~5.1—2015~~ 5.1—2016 Residential Fueling Appliances

~~Z21.1—2010~~ Z21.1/CSA 1.1 2016 Household Cooking Gas Appliances623.1

Z21.5.1/CSA ~~7.1—2014~~ 7.1

—2017 Gas Clothes Dryers—Volume I—Type 1 Clothes Dryers 613.1

Z21.5.2/CSA ~~7.2—2014~~ 7.2

—2016 Gas Clothes Dryers—Volume II—Type 2 Clothes Dryers 613.1, 614.3

Z21.8—94 (~~R2002~~ R2012) Installation of Domestic Gas Conversion Burners 619.1

Z21.10.1/CSA ~~4.1—2012~~

4.1—2017 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~~

4.3—2017 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~~ Z21.11.2—2016 Gas-fired Room Heaters-Volume II-Unvented Room Heaters 621.1

Z21.13/~~CSA 4.9—2011~~ 4.9

—2017 Gas-fired Low-pressure Steam and Hot Water Boilers 631.1

Z21.15/CSA 9.1— 2009(R2014) Manually Operated Gas Valves for Appliances, Appliance Connector Valves and
  Hose End Valves Table 409.1.1

Z21.19/CSA 1.4— ~~02(R2007)~~ 1.4—2014 Refrigerators Using Gas (R1999) Fuel 625.1

Z21.24/CSA ~~6.10—2006~~6.10—2015 Connectors for Gas Appliances

Z21.40.1/CGA 2.91—1996 (~~R2011~~ R2017) Gas-Fired Heat Activated Air Conditioning and Heat Pump Appliances 627.1

Z21.40.2/CGA 2.92—1996 (~~R2011~~ R2017) Gas-Fired Work Activated Air Conditioning and Heat Pump
   Appliances (Internal Combustion) 627.1

~~Z21.42—2014~~ Z21.42—2013 Gas-Fired Illuminating Appliances 628.1

Z21.47/CSA ~~2.3—2012~~ 2.3

—2016 Gas-Fired Central Furnaces 618.1

Z21.50/CSA 2.22—2016Vented Decorative Gas Fireplaces 604.1

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~~Z21.54—2009~~ Z21.54—2014 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~~ 1.6

—2015 Outdoor Cooking Gas Appliances 623.1

Z21.60/CSA ~~2.26—2012~~

2.26—2017 Decorative Gas Appliances for Installation in Solid-fuel Burning Fireplaces 602.1

Z21.61—1983 (~~R2004~~ R2013) Gas-fired Toilets 626.1

Z21.69/CSA ~~6.16—2009~~ 6.16—2015 Connectors for Movable Gas Appliances 411.1.1, 411.1.4

Z21.75/CSA ~~6.27—2007~~6.27—2016 Connectors for Outdoor Gas Appliances and Manufactured Homes 411.1, 411.2

Z21.80/CSA ~~6.22—2011~~ 6.22—2016 Line Pressure Regulators 410.1

~~Z21.84—2012~~ Z21.84— 2017 Manually Lighted, Natural Gas Decorative Gas Appliances for Installation in ~~Solid Fue~~l Solid-Fuel Burning ~~Fireplaces~~ Appliances 602.1, 602.2

Z21.86/CSA ~~2.32—2008~~ 2.32—2016 Vented Gas-fired Space Heating Appliances 608.1, 609.1, 622.1

Z21.88/CSA 2.33—2016 Vented Gas Fireplace Heaters 605.1

~~Z21.91—2007~~ Z21.91— 2017 Ventless Firebox Enclosures for Gas-fired Unvented Decorative Room Heaters 621.7.1

Z21.93/CSA ~~6.30—2013~~6.30—2017 Excess Flow Valves for Natural Gas and Propane Gas with Pressures Up To 5 psig 410.4

~~Z21.97—2012~~ Z21.97— 2014 Outdoor Decorative Gas Appliances 636.1

Z83.4/CSA ~~3.7—2012~~ 3.7— 2017 Nonrecirculating Direct-gas-fired ~~Industrial Air Heaters~~ Heating and Forced Ventilation Appliances for Commercial and Industrial Application 611.1

Z83.8/CSA ~~2.6—2009~~ 2.6— 2016 Gas Unit Heater, Gas Packaged ~~Heater~~ Heaters, Gas Utility Heaters , and Gas-fired Duct Furnaces 610.1, 620.1

Z83.11/CSA ~~1.8—2013~~ 1.8

—2016 Gas Food Service Equipment 623.1

~~83.18—2012~~ Z83.18— 2017 Recirculating Direct Gas-fired ~~Industrial Air Heaters~~ Heating and Forced Ventilation Appliances for Commercial and Industrial Applications

 612.1

~~Z83.19—2001~~ Z83.19— 09(~~R2009~~ R2014) Gas-fired High-intensity Infrared Heaters 630.1

~~Z83.20—2008~~ Z83.20— 2016

 Gas-fired Tubular and Low-intensity Infrared Heaters 630.1

Add new standard(s) as follows:

ANSI

ANSI Z21.41/CSA 6.9-2014: Quick disconnect devices for use with gas fuel appliances

ANSI Z21.90/CSA 6.24-2015: Gas convenience outlets and optional enclosures

(P9486/FG21-18 AS)

**Update standard(s) as follows: ANSI**

CSA/ANSI NGV ~~5.1—2015~~5.1—2016: Residential Fueling Appliances

CSA/ANSI NGV 5.2-2017: Vehicle Fueling Appliances (VFA)

(P9491/FG22-18 AS)

ASME

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—2013~~ B1.20.1—2019 Pipe Threads, General Purpose (inch) 403.9

~~B16.1—2010~~ B16.1—2020 Gray-iron Pipe Flanges and Flanged Fittings, Class 25, 125 and 250 403.12.1

~~B16.5—2015~~ B16.5—2019 Pipe Flanges and Flanged Fittings: NPS 1/2 through NFPS 24 Metric/Inch Standard 403.12.2

~~B16.24—2016~~ 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) Manually Operated Metallic Gas Valves for Use in Gas Piping Systems up to 125 psig (Sizes 1/2 through 2)

~~B16.42—2016~~ B16.42— 2021 Ductile Iron Pipe Flanges and Flanged Fittings, Classes 150 and 300 403.12.4

B16.44-2012(R2017) Manually Operated Metallic Gas Valves for Use in Above-ground Piping Systems up to 5 psi

~~B16.47—2016~~ B16.47— 2020 Large Diameter Steel Flanges: NPS 26 through NPS 60 Metric/Inch Standard 403.12.2

B16.33—2012(2017) 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—2012(R2017) Manually Operated Metallic Gas Valves for Use in Aboveground Piping Systems
 Up to 5 psi Table 409.1.1

~~B31.3—2016~~ B31.3—2020 Process Piping 704.1.2.4

~~B31.12—2014~~ B31.12— 2019 Hydrogen Piping and Pipelines

B36.10M—~~(R2015)~~2018 Welded and Seamless Wrought-steel Pipe 403.4.2

B88—2016 Specification for Seamless Copper Water Tube

B280—2018 Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service

C315-2007(2016) Specification for Clay Flue Liners and Chimney Pots

~~BPVC—2015~~ BPVC—2019 ASME Boiler & Pressure Vessel Code ~~(2007 Edition)~~ 631.1, 703.2.2, 703.3.3, 703.3.4

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

~~CSD-1—2016~~ CSD-1— 2021 Controls and Safety Devices for Automatically Fired Boilers 631.1

ASTM

ASTM International

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

Standard Referenced
reference in code
number Title section number

A53/~~A53M—12~~ A53M— 2018 Specification for Pipe, Steel, Black and Hot Dipped
  Zinc-coated Welded and Seamless 403.4.2

A106/~~A106M—14~~ A106M— 2018 Specification for Seamless Carbon Steel Pipe for High-temperature Service 403.4.2

~~A254—12~~ A254— 2010(2018) Specification for Copper Brazed Steel Tubing 403.5.1

~~A268—10~~ A268/A268— 2010(16) Standard Specification for Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service

~~A269—15~~ A269/A269M— 2015A Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service

~~A312—15~~ A312/A312M— 2018 Standard Specification for Seamless, Welded and Heavily Cold Worked Austenitic Stainless Steel Pipes

~~B88—14~~ B88—2016 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—12e1~~ B241M—2016 Specification for Aluminum and Aluminum-alloy, Seamless Pipe
  and Seamless Extruded Tube 403.4.4, 403.5.4

~~B280—13~~ B280—2018 Standard Specification for Seamless Copper Tube for
  Air-Conditioning and Refrigeration Field Service 403.5.3

**~~C315—07~~ C315— 2007(~~2011~~ 2016) Specification for Clay Flue Liners and Chimney Pots**

C315-2007(2016) Specification for Clay Flue Liners and Chimney Pots

~~D2513—14e1~~ D2513— 2018A Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing and Fittings 403.6, 403.6.1

~~E136—16~~ E136—2016A Specification for Clay Flue Liners and Chimney Pots 501.12

403.11, 404.17.2

~~E136—16~~ E136—2016A Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750°C

~~F1973—13E1~~ F1973— 2013(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—15~~ F2945—2018 Standard Specification for Polyamide 11 Gas Pressure Pipe, Tubing and Fittings

CGA

|  |  |
| --- | --- |
| S-1.1 (**—(~~2017~~** 2011) | Pressure Relief Device Standards—Part 1—Cylinders for Compressed Gases |
| S-1.3 (**—(~~2016~~** 2008) | Pressure Relief Device Standards—Part 3—Stationary Storage Containers for Compressed Gases |

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 FC1—2012 Stationary Fuel Cell Power Systems 633.1

ANSI/CSA NGV ~~5.1—2015~~ 5.1—2016 Residential Fueling Appliances

CSA 8—93 Requirements for Gas-fired Log Lighters for Wood Burning Fireplaces  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—Eight Edition (~~2020~~ 2023) 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— Eight Edition (~~2020~~ 2023) Florida Building Code, Energy Conservation 301.2

FBC-M— Eight Edition (~~2020~~ 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, 618.3, 621.1,

624.1, 631.2, 632.1, 706.2

FBC-P— Eight Edition (~~2020~~ 2023) Florida Building Code, Plumbing 201.3, 301.6, 307.3, 624.1.1, 624.2

FBC-R— Eight Edition (~~2020~~ 2023) Florida Building Code, Residential 101.2, 703.2.1

FFPC— Eight Edition (~~2020~~ 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, 413.5,

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

ANSI SP ~~58—2009~~ 58—

2018 Pipe Hangers and Supports-Materials, Design and Manufacture 407.2

NFPA

National Fire Protection Association

1 Batterymarch Park

Quincy, MA 02269-9101

Standard Referenced
reference in code
number Title section number

~~2—16~~ 2—19 Hydrogen Technologies Code 703.1, 706.2

~~30A—18~~ 30A—21 Code for Motor Fuel Dispensing Facilities and Repair Garages 305.4, 305.10

37—18 Standard for the Installation and Use of Stationary Combustion
  Engines and Gas Turbines 616.1

51—18 ~~Standard for the~~ Design and Installation of Oxygen-fuel Gas Systems for Welding, Cutting and Allied Processes 414.1

~~58—17~~ 58—20 Liquefied Petroleum Gas Code 401.2, 402.7, 403.6.2, 403.11

70—20~~17~~20 National Electrical Code 306.3.1, 306.4.1, 306.5.2,

309.2, 310.1.1.2, 310.1.1.4, 310.2.4, 413.9.2.4, 703.6

~~82—14~~ 82—19 Incinerators, Waste and Linen Handling Systems and Equipment 503.2.5, T503.4, 607.1

~~85—15~~ 85—19 Boiler and Combustion Systems Hazards Code 631.1

~~88A—15~~ 88A—19 **Standard for** Parking Structures 305.9

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

~~853—15~~ 853—20 **Standard** Installation of Stationary Fuel Cell Power ~~Plants~~ Systems 633.1

UL

UL LLC

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 ~~Appliance—with~~ Appliances—with revisions through ~~July 2012~~ March 2017 503.5.1, 506.1

127—2011 Factory-built Fireplaces with Revisions through ~~May 2015~~ July 2016 621.7

|  |  |
| --- | --- |
| 378—2006 | Draft ~~Equipment~~ Equipment-with revisions through September 2013 |

~~441—2010~~ 441—2016 Gas Vents—with Revisions through ~~June 2014~~ July 2016 502.1, 503.6.1

641—2010 Type L Low-temperature Venting Systems—with Revisions through ~~June 2013~~ April 2018 502.1, 503.6.1

651—2011 Schedule 40, Type EB and ~~Schedule 80~~ A Rigid PVC Conduit and Fittings—with revisions through ~~May 2014~~ June 2016

 403.6.3

~~795—2011~~ 795—2016 Commercial-industrial Gas Heating ~~Equipment— with Revisions through November 2013~~

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

~~1618—09~~ 1618—2015 Wall Protectors, Floor Protectors and Hearth Extensions—
  with Revisions through ~~October 2015~~ January 2018 308.2

1738—2010 Venting Systems for Gas-burning Appliances, Categories II, III and ~~IV—with revisions~~ ~~through November 2014~~ IV 502.1, 503.4.1, 503.4.1.1, 503.4.2

1777—2007 Chimney Liners—with Revisions through ~~October 2015~~ April 2014 501.12, 501.15.4, 503.5.3

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

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