

**Draft 2007 Florida Specific Requirements Supplement  
Fuel Gas Volume**

**Note:** throughout the document wherever the following documents are used, they shall be replaced with Florida specific references: change International Building Code to Florida Building Code, Building; change the ICC Electrical Code to Chapter 27 of the Florida Building Code, Building; change the International Energy Conservation Code to Chapter 13 of the Florida Building Code, Building; change the International Existing Building Code to Florida Building Code, Existing Building; change the International Fire code to Florida Fire Prevention Code; change International Fuel Gas Code to Florida Building Code, Fuel Gas; change the International Mechanical Code to Florida Building Code, Mechanical; change the International Plumbing Code to Florida Building Code, Plumbing; change the International Residential Code to Florida Building Code, Residential.

***Chapter 1, Administration***

**101.1 Scope. Change to read as shown.**

**101.1 Scope.** The provisions of Chapter 1, *Florida Building Code, Building* shall govern the administration and enforcement of the *Florida Building Code, Fuel Gas*.

**101.2 Scope. Change to read as shown.**

**101.2 Scope. Reserved.**

**101.3 Appendices. Change to read as shown.**

**101.3 Appendices. Reserved.**

**101.4 Intent. Change to read as shown.**

**101.4 Intent. Reserved.**

**101.5 Severability. Change to read as shown.**

**101.5 Severability. Reserved.**

**Section 102 Applicability. Change to read as shown.**

**Section 102 Applicability. Reserved.**

**Section 103 Department of Inspection. Change to read as shown.**

**Section 103 Department of Inspection. Reserved.**

**Section 104 Duties and Powers of the Code Official. Change to read as shown.**

**Section 104 Duties and Powers of the Code Official. Reserved.**

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**Section 105 Approval. Change to read as shown.**

**Section 105 Approval. Reserved.**

**Section 106 Permits. Change to read as shown.**

**Section 106 Permits. Reserved.**

**Section 107 Inspections and Testing. Change to read as shown.**

**Section 107 Inspections and Testing. Reserved.**

**Section 108 Violations. Change to read as shown.**

**Section 108 Violations. Reserved.**

**Section 109 Means of Appeal. Change to read as shown.**

**Section 109 Means of Appeal. Reserved.**

*Chapter 2, Definitions*

**201.4 Terms not defined. Change to read as shown.**

**201.4 Terms not defined.** Where terms are not defined through the methods authorized by this section, such terms shall have the meanings as defined in Webster's *Third New International Dictionary of the English Language Unabridged*.

**202 General Definitions. Change to read as shown.**

**DESIGN FLOOD ELEVATION. Reserved.**

**FLOOD HAZARD AREA. Reserved.**

**REGULATOR.** A device for controlling and maintaining a uniform gas supply pressure, either pounds to pounds, pounds-to-inches water column or inches-to-inches water column (appliance regulator).

**RISER, GAS.** A vertical pipe supplying fuel gas to a meter assembly or a pressure regulator.

**UTILITY GASES.** Natural gas, manufactured gas, liquefied petroleum gas-air mixture or mixtures of any of these gases.

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*Chapter 3, General Regulations.*

**301.1 Scope. Change to read as shown.**

**301.1 Scope.** This chapter shall govern the approval and installation of all equipment and appliances that comprise parts of the installations regulated by this code in accordance with Section 301.1.1.

**301.1.1 Scope. Change to read as shown.**

**301.1.1** This code shall apply to the installation of fuel gas piping systems, fuel gas utilization equipment, and related accessories as follows:

1. Coverage of piping systems shall extend from the point of delivery to the connections with gas utilization equipment (see "Point of delivery").

2. Systems with an operating pressure of 125 psig (862 kPa gauge) or less.

Piping systems for gas-air mixtures within the flammable range with an operating pressure of 10 psig (69 kPa gauge).

LP-gas piping systems with an operating pressure of 20 psig (140 kPa) or less.

3. Piping systems requirements shall include design, materials, components, fabrication, assembly, installation, testing, inspection, operation and maintenance.

4. Requirements for gas utilization equipment and related accessories shall include installation, combustion and ventilation air and venting.

This code shall not apply to the following:

1. Portable LP-gas equipment of all types that are not connected to a fixed fuel piping system.

2. Installation of farm equipment such as brooders, dehydrators, dryers and irrigation equipment.

3. Raw material (feedstock) applications except for piping to special atmosphere generators.

4. Oxygen-fuel gas cutting and welding systems.

5. Industrial gas applications using gases such as acetylene and acetylenic compounds, hydrogen, ammonia, carbon monoxide, oxygen and nitrogen.

6. Petroleum refineries, pipeline compressor or pumping stations, loading terminals, compounding plants, refinery tank farms and natural gas processing plants.

7. Integrated chemical plants or portions of such plants where flammable or combustible liquids or gases are produced by chemical reactions or used in chemical reactions.

8. LP-gas installations at utility gas plants.

9. Liquefied natural gas (LNG) installations.

10. Fuel gas piping in power and atomic energy plants.

11. Proprietary items of equipment, apparatus, or instruments such as gas generating sets, compressors and calorimeters.

12. LP-gas equipment for vaporization, gas mixing and gas manufacturing.

13. Temporary LP-gas piping for buildings under construction or renovation that is not to become part of the permanent piping system.

14. Installation of LP-gas systems for railroad switch heating.

15. Installation of LP-gas and compressed natural gas (CNG) systems on vehicles.

16. Gas piping, meters, gas pressure regulators, and other appurtenances used by the serving gas supplier in the distribution of gas, other than undiluted LP-gas.

17. Building design and construction, except as specified herein.

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**301.7 Fuel types. Change to read as shown.**

**301.7 Fuel types.** Fuel-fired appliances shall be designed for use with the type of fuel gas that will be supplied to them.

**301.7.1 Appliance fuel conversion.** Appliances shall not be converted to utilize a different fuel gas except where complete instructions for such conversion are provided in the installation instructions, by the serving gas supplier or by the appliance manufacturer.

**305.4 Public garages/parking structures. Change to read as shown.**

**305.4 Public garages/parking structures.** Appliances shall be installed in accordance with the manufacturer's instructions and NFPA 88B.

**305.5 Private garages. Change to read as shown.**

**305.5 Private garages.** Reserved

**306.3 Appliances in attics. Change to read as shown.**

**306.3 Appliances in attics.** Attics containing appliances requiring access shall be provided with an opening and unobstructed passageway large enough to allow removal of the largest appliance. The passageway shall not be less than 30 inches (762 mm) high and 22 inches (559 mm) wide and not more than 6 feet (1829 mm) in length measured along the centerline of the passageway from the attic access opening to the appliance's service panel. The passageway shall have continuous solid flooring not less than 24 inches (610 mm) wide. A level service space not less than 30 inches (762 mm) deep and 30 inches (762 mm) wide shall be present at the front or service side of the appliance. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm by 762 mm), where such dimensions are large enough to allow removal of the largest appliance.

**Exception:** The passageway and level service space are not required where the appliance is capable of being serviced and removed through the required opening.

**306.3.1 Electrical requirements.** A lighting fixture with receptacle outlet, controlled by a switch located at the passageway opening, shall be provided so as to light the passageway and service area and installed in accordance with Chapter 27 of the *Florida Building Code, Building*.

**309.1 Grounding. Change to read as shown.**

**309.1 Grounding.** Each above-ground portion of a gas piping system upstream from the equipment shutoff valve shall be electrically continuous and bonded to any grounding electrode, as defined by Chapter 27 of the *Florida Building Code, Building*.

**401.2 Liquefied petroleum gas storage. Change to read as shown.**

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**401.2 Liquefied petroleum gas storage.** The storage system (container, regulators, piping and all components upstream to the point of delivery) for liquefied petroleum gas shall be designed and installed in accordance with the *Florida Fire Prevention Code* and NFPA 58.

**401.5 Identification. Change to read as shown.**

**401.5 Identification.** For other than steel pipe, exposed gas piping shall be identified by a yellow label marked “Gas” in black letters. The marking shall be spaced at intervals not exceeding 5 feet (1524 mm). The marking shall not be required on pipe located in the same room as the equipment served.

**Exception:** This section shall only apply where other similar piping or tubing in the same general area as the gas lines, containing a different medium, could be confused with the gas lines.

**404.14.3 Tracer. Change to read as shown.**

**404.14.3 Tracer.** An insulated copper tracer wire or other approved conductor shall be installed adjacent to underground nonmetallic gas piping. Access shall be provided to the tracer wire or the tracer wire shall terminate above ground at each end of the nonmetallic gas piping. The tracer wire size shall not be less than 18 AWG and the insulation type shall be suitable for direct burial.

**406.3.4 Valve isolation. Change to read as shown.**

**406.3.4 Valve isolation.** Where the piping system is connected to equipment or components designed for operating pressures of less than the test pressure, such equipment or components shall be isolated from the piping system by closing the individual appliance or equipment shutoff valve(s).

**406.7.4 Placing equipment in operation. Change to read as shown.**

**406.7.4 Placing equipment in operation.** After the piping has been placed in operation, all equipment shall be placed in operation per its listing and the manufacturer’s instructions.

**411.1.4 Outdoor appliance connectors. Change to read as shown.**

**411.1.4 Outdoor appliance connectors.** Outdoor gas hose connectors are permitted to connect portable outdoor gas-fired equipment. An equipment shutoff valve, a listed quick-disconnect device, or a listed gas convenience outlet shall be installed where the connector is attached to the supply piping and in such a manner as to prevent the accumulation of foreign matter. Lengths shall not exceed 12 feet (3658 mm) and the connection shall only be made in the outdoor area where the equipment is to be used.

**503.8 Venting system termination location. Change to read as shown.**

**503.8 Venting system termination location.** The location of venting system terminations shall comply with the following:

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[1. – 4. No change]

**Section 615. Sauna Heaters. Change to read as shown.**

**Section 615. Sauna Heaters Reserved**

*Chapter 8 Referenced Standards*

**Referenced Standards. Change to read as shown.**

**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—04	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—04	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—04	Florida Building Code, Plumbing	201.3, 301.6, 624.1.1, 624.2
FRC—04	Florida Residential Code	703.2.1
FFPC—04	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

**UL            Underwriters Laboratories, Inc.  
                  333 Pfingsten Road  
                  Northbrook, IL 60062**

Standard reference number	Title	Referenced in code section number
795— <span style="background-color: yellow;">01</span>	Commercial-Industrial Gas Heating Equipment	610.1, 618.1, 631.1