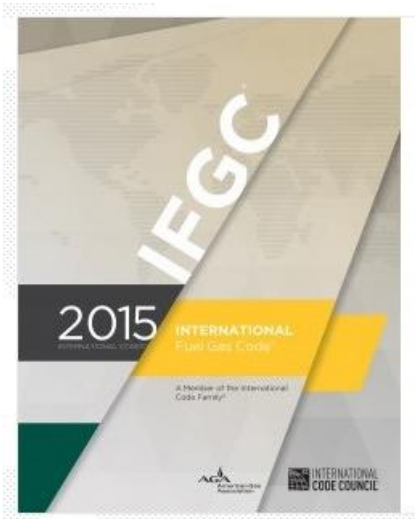


## 2015 INTERNATIONAL FUEL GAS CODE SIGNIFICANT CHANGES



The International Fuel Gas Code (IFGC) regulates the installation of fuel gas piping and fuel utilization equipment. The code provides for the safe conveyance of fuel gas, efficient combustion, and the elimination of combustion gasses. These regulations work in conjunction with the International Mechanical Code and the International Plumbing Code.

### SIGNIFICANT CODE CHANGES:

- Language is added to address door swing with respect to clearance from potentially-hot vent terminals. [502.7.1]
- Booster fans are addressed as a means to allow for longer dryer ducts. [614.5]

### CHANGES IN PROPOSED AMENDMENTS:

- No significant changes in amendments



**AN ORDINANCE OF THE CITY OF COPPELL, TEXAS**

**ORDINANCE NO. \_\_\_\_\_**

**AN ORDINANCE OF THE CITY OF COPPELL, TEXAS AMENDING THE CODE OF ORDINANCES BY AMENDING CHAPTER 15 ARTICLE 15-6, “FUEL GAS CODE”, TO ADOPT THE INTERNATIONAL FUEL GAS CODE, 2015 EDITION, AS THE CITY OF COPPELL FUEL GAS CODE; PROVIDING AMENDMENTS TO THE INTERNATIONAL FUEL GAS CODE 2015 EDITION; PROVIDING A SEVERABILITY CLAUSE; PROVIDING A REPEALING CLAUSE; PROVIDING A SAVINGS CLAUSE; PROVIDING A PENALTY FOR VIOLATION OF THIS ORDINANCE NOT TO EXCEED THE SUM OF FIVE HUNDRED DOLLARS (\$500.00) FOR EACH OFFENSE; EXCEPT HOWEVER, WHERE A DIFFERENT PENALTY HAS BEEN ESTABLISHED BY STATE LAW FOR SUCH OFFENSE WHICH IS A VIOLATION OF ANY PROVISION OF LAW THAT GOVERNS FIRE SAFETY, ZONING, OR PUBLIC HEALTH AND SANITATION, INCLUDING DUMPING OF REFUSE, THE PENALTY SHALL BE A FINE NOT TO EXCEED THE SUM OF TWO THOUSAND DOLLARS (\$2,000.00) FOR EACH OFFENSE; AND PROVIDING AN EFFECTIVE DATE.**

**NOW THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF COPPELL, TEXAS:**

**SECTION 1.** That the Code of Ordinances of the City of Coppell, Texas be, and the same is, hereby amended by amending Chapter 15, Article 15-6, “Fuel Gas Code”, in part to adopt the International Fuel Gas Code, 2015 Edition, with amendments to read as follows:

**“CHAPTER 15-6. FUEL GAS CODE**

**Section 15-6 Fuel Gas Code – Adopted.**

There is hereby adopted the International Fuel Gas Code, 2015 Edition, and made a part hereof for all purposes, the same as if fully copied in full herein, with the exception of such sections hereof, which are hereafter deleted, modified or amended.

**Sec. 15-6-2 Amendments.**

The following sections of the International Fuel Gas Code, 2015 Edition, are hereby amended to read as follows:

**1. Amend Section 101.1, to read as follows:**

**101.1 Title.** These regulations shall be known as the Fuel Gas Code of the City of Coppel, hereinafter referred to as “this code”.

**2. Amend Section 101.2 to add a second paragraph to read as follows:**

It is hereby noted that the scope of this code is not intended to supersede and furthermore, shall correspond with the most current adoption of the State of Texas Plumbing License Law.

**3. Amend Section 102.8, to read as follows:**

**102.8 Referenced Codes and Standards.** The codes and standards referenced in this code shall be those that are listed in Chapter 15 and such codes, when specifically adopted, and standards shall be considered part of the requirements of this code to the prescribed extent of each such reference. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the amendments as well. Any reference to NFPA 70 or the National Electrical Code (NEC) shall mean the Electrical Code as adopted.

**4. Amend Section 304.11, item #8 to read as follows:**

**304.11 Combustion air ducts.** Combustion air ducts shall comply with all of the following:

1. Ducts shall be constructed of galvanized steel complying with Chapter 6 of the International Mechanical Code or of a material having equivalent corrosion resistance, strength and rigidity.

Exception: Within dwellings units, unobstructed stud and joist spaces shall not be prohibited from conveying combustion air, provided that not more than one required fire block is removed.

2. Ducts shall terminate in an unobstructed space allowing free movement of combustion air to the appliances.
3. Ducts shall serve a single enclosure.
4. Ducts shall not serve both upper and lower combustion air openings where both such openings are used. The separation between ducts serving upper and lower combustion air openings shall be maintained to the source of combustion air.
5. Ducts shall not be screened where terminating in an attic space.
6. Horizontal upper combustion air ducts shall not slope downward toward the source of combustion air.
7. The remaining space surrounding a chimney liner, gas vent, special gas vent or plastic piping installed within a masonry, metal or factory-built chimney shall not be used to supply combustion air.

Exception: Direct-vent gas-fired appliances designed for installation in a solid fuel-burning fireplace where installed in accordance with the manufacturer's instructions.

8. Combustion air intake openings located on the exterior of a building shall have the lowest side of such openings located not less than 12 inches (305 mm) vertically from the adjoining ground level or the manufacturer's recommendation, whichever is more restrictive.

**5. Delete Section 305.5 in its entirety.**

**6. Amend Section 306.3 and exceptions, to read as follows:**

**306.3 Appliances in Attics.** Attics containing appliances requiring access shall be provided . . . {bulk of paragraph unchanged} . . . from the opening to the appliance. The passageway shall have continuous unobstructed 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 equipment. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm by 762 mm), or larger where such dimensions are not large enough to allow removal of the largest appliance. A walkway to an appliance shall be rated as a floor as approved by the building official. As a minimum, access to the attic space shall be provided by one of the following:

1. A permanent stair.
2. A pull down stair with a minimum 300 lb (136 kg) capacity.
3. An access door from an upper floor level.
4. Access panel may be used in lieu of items 1, 2, and 3 with prior approval of the code official due to structural conditions.

Exceptions:

1. The passageway and level service space are not required where the appliance is capable of being serviced and removed through the required opening.
2. Where the passageway is not less than 6 feet (1829 mm) high for its entire length, the passageway shall not be greater than 50 feet (15250 mm) in length.

**7. Amend Section 306.5, to read as follows:**

**306.5 Equipment and Appliances on Roofs or Elevated Structures.** Where equipment and appliances requiring access are installed on roofs or elevated structures at an aggregate height exceeding 16 feet (4877 mm), such access shall be provided by a permanent approved means of access, the extent of which shall be from permanent exterior ladders providing roof access need not extend closer than 12 feet (2438 mm) to the finish grade or floor level below and shall extend to the equipment and appliance's level service space. Such access shall . . . {bulk of section to read the same}. . . on roofs having a slope greater than 4 units vertical in 12 units horizontal (33-percent slope).

A receptacle outlet shall be provided at or near the equipment and appliance location in accordance with the Electrical Code.

**8. Amend Section 306.5.1 to read as follows:**

**306.5.1 Sloped roofs.** Where appliances, equipment, fans or other components that require service are installed on roofs having slopes greater than 4 units vertical in 12 units horizontal and having an edge more than 30 inches (762 mm) above grade at such edge, a catwalk at least 16 inches in width with substantial cleats spaced not more than 16 inches apart shall be provided from the roof *access* to a level platform at the appliance. The level platform shall be provided on each side of the appliance to which *access* is required for service, repair or maintenance. The platform shall be not less than 30 inches (762 mm) in any dimension and shall be provided with guards. The guards shall extend not less than 42 inches (1067 mm) above the platform, shall be constructed so as to prevent the passage of a 21-inch-diameter (533 mm) sphere and shall comply with the loading requirements for guards specified in the International Building Code.

**9. Amend Section 306 by adding Section 306.7 with an exception and subsection 306.7.1 to read as follows:**

**306.7 Water heaters above ground or floor.** When the attic, roof, mezzanine or platform in which a water heater is installed is more than eight (8) feet (2438 mm) above the ground or floor level, it shall be made accessible by a stairway or permanent ladder fastened to the building.

Exception: A max 10 gallon water heater (or larger when approved by the code official) is capable of being accessed through a lay-in ceiling and a water heater is installed is not more than ten (10) feet (3048 mm) above the ground or floor level and may be reached with a portable ladder.

**306.7.1. Illumination and convenience outlet.** Whenever the mezzanine or platform is not adequately lighted or access to a receptacle outlet is not obtainable from the main level, lighting and a receptacle outlet shall be provided in accordance with Section 306.3.1.

**10. Amend Section 401.5 by adding a second paragraph to read as follows:**

Both ends of each section of medium pressure corrugated stainless steel tubing (CSST) shall identify its operating gas pressure with an approved tag. The tags are to be composed of aluminum or stainless steel and the following wording shall be stamped into the tag:

"WARNING 1/2 to 5 psi gas pressure Do Not Remove"

**11. Amend Section 402.3 by adding an exception to read as follows:**

Exception: Corrugated stainless steel tubing (CSST) shall be a minimum of 1/2" (18 EHD).

**12. Amend Section 404.12, to read as follows:**

**404.12 Minimum Burial Depth.** Underground piping systems shall be installed a minimum depth of 18 inches (458 mm) to top of pipe below grade

**13. Amend Section 404.12.1 to read as follows:**

**404.12.1 Individual outside appliances.** Individual lines to outside lights, grills or other appliances shall be installed a minimum of 12 inches (203 mm) to top of pipe below finished grade, provided that such installation is approved and is installed in locations not susceptible to physical damage.

**14. Amend Section 406.1 to read as follows:**

**406.1 General.** Prior to acceptance and initial operation, all piping installations shall be inspected and pressure tested to determine that the materials, design, fabrication, and installation practices comply with the requirements of this code. The permit holder shall make the applicable tests prescribed in Sections 406.1.1 through 406.1.5 to determine compliance with the provisions of this code. The permit holder shall give reasonable advance notice to the code official when the piping system is ready for testing. The equipment, material, power and labor necessary for the inspections and test shall be furnished by the permit holder and the permit holder shall be responsible for determining that the work will withstand the test pressure prescribed in the following tests.



**15. Amend Section 406.4, to read as follows:**

**406.4 Test Pressure Measurement.** Test pressure shall be measured with a manometer or with a pressure-measuring device designed and calibrated to read, record, or indicate a pressure loss caused by leakage during the pressure test period. The source of pressure shall be isolated before the pressure tests are made.

**16. Amend Section 406.4.1, to read as follows:**

**406.4.1 Test Pressure.** The test pressure to be used shall be no less than 3 psig (20 kPa gauge), or at the discretion of the Code Official, the piping and valves may be tested at a pressure of at least six (6) inches (152 mm) of mercury, measured with a manometer or slope gauge. For tests requiring a pressure of 3 psig, diaphragm gauges shall utilize a dial with a minimum diameter of three and one half inches (3 ½”), a set hand, 1/10 pound incrementation and pressure range not to exceed 6 psi for tests requiring a pressure of 3 psig. For tests requiring a pressure of 10 psig, diaphragm gauges shall utilize a dial with a minimum diameter of three and one-half inches (3 ½”), a set hand, a minimum of 2/10 pound incrementation and a pressure range not to exceed 20 psi. For welded piping, and for piping carrying gas at pressures in excess of fourteen (14) inches water column pressure (3.48 kPa) (1/2 psi) and less than 200 inches of water column pressure (52.2 kPa) (7.5 psi), the test pressure shall not be less than ten (10) pounds per square inch (69.6 kPa). For piping carrying gas at a pressure that exceeds 200 inches of water column (52.2 kPa) (7.5 psi), the test pressure shall be not less than one and one-half times the proposed maximum working pressure.

**17. Amend Section 406.4.2, to read as follows:**

**406.4.2 Test Duration.** Test duration shall be held for a length of time satisfactory to the Code Official, but in no case for not less than fifteen (15) minutes. For welded piping, and for piping carrying gas at pressures in excess of fourteen (14) inches water column pressure (3.48 kPa), the test duration shall be held for a length of time satisfactory to the Code Official, but in no case for less than thirty (30) minutes.

**18. Adopt a new Section 409.1.4, to read as follows:**

**409.1.4 Valves in CSST Installations.** Shutoff valves installed with corrugated stainless steel (CSST) piping systems shall be supported with an approved termination fitting, or equivalent support, suitable for the size of the valves, of adequate strength and quality, and located at intervals so as to prevent or damp out excessive vibration but in no case greater than 12-inches from the center of the valve. Supports shall be installed so as not to interfere with the free expansion and contraction of the system's piping, fittings, and valves between anchors. All valves and supports shall be designed and installed so they will not be disengaged by movement of the supporting piping.

**19. Amend Section 410.1 by adding a second paragraph and exception to read as follows:**

Access to regulators shall comply with the requirements for access to appliances as specified in Section 306.

Exception: A passageway or level service space is not required when the regulator is capable of being serviced and removed through the required attic opening.

**20. Delete Section 614.8.4.2 in its entirety.**

**21. Amend Section 621.2, to read as follows:**

**621.2 Prohibited Use.** One or more unvented room heaters shall not be used as the sole source of comfort heating in a dwelling unit.

Exception: Existing approved unvented heaters may continue to be used in dwelling units, in accordance with the code provisions in effect when installed, when approved by the Code Official unless an unsafe condition is determined to exist as described in Section 108.7.

**22. Amend Section 624.1.1, to read as follows:**

**624.1.1 Installation Requirements.** The requirements for water heaters relative to access, sizing, relief valves, drain pans and scald protection shall be in accordance with the International Plumbing Code.”

**SECTION 2.** If any section, subsection, paragraph, sentence, phrase or work in this ordinance, or application thereof to any person or circumstance is held invalid by any court of competent jurisdiction, such holding shall not affect the validity of the remaining portions of this ordinance, and the City Council of the City of Coppell, Texas hereby declares it would have enacted such remaining portions despite any such invalidity.

**SECTION 3.** That the repeal of any ordinance or any portion thereof by the preceding sections shall not affect or impair any act done or right vested or accrued or any proceeding, suit or prosecution had or commenced in any cause before such repeal shall take effect; but every such act done, or right vested or accrued, or proceedings, suit or prosecution had or commenced shall remain in full force and effect to all intents or purposes as if such ordinance or part thereof so repealed shall remain in force.

**SECTION 4.** That any person, firm or corporation violating any of the provisions of this ordinance or the Code of Ordinances as amended hereby, shall be guilty of a misdemeanor and upon conviction in the Municipal Court of the City of Coppell, Texas, shall be subject to a fine not to exceed the sum of Five Hundred Dollars (\$500.00) for each offense, except where a different penalty has been established by State law for such offense, the penalty shall be that fixed by State law, and for any offense which is a violation of any provision of law that governs fire safety, zoning or public health and sanitation, including dumping of refuse, the penalty shall be fine not to exceed the sum of Two Thousand Dollars (\$2,000.00) for each offense; and each and every day such offense is continued shall constitute a new and separate offense.

**SECTION 5.** That this ordinance shall become effective immediately from and after its passage and the publication of the caption, as the law and charter in such cases provide.

**DULY PASSED** by the City Council of Coppel, Texas, this the \_\_\_\_\_ day of \_\_\_\_\_, 2017.

**APPROVED:**

\_\_\_\_\_  
**Karen Hunt, MAYOR**

**ATTEST:**

\_\_\_\_\_  
**CHRISTEL PETTINOS, CITY SECRETARY**

**APPROVED AS TO FORM:**

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**ROBERT HAGER, CITY ATTORNEY**