

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF FRISCO, TEXAS, REPEALING ORDINANCE NO. 19-11-97; AMENDING DIVISION 8 (FUEL GAS), ARTICLE IV (TECHNICAL CODES), CHAPTER 18 (BUILDINGS AND BUILDING REGULATIONS), PART II OF THE FRISCO CODE OF ORDINANCES, ORDINANCE NO. 06-03-31, AS AMENDED; ADOPTING THE 2021 EDITION OF THE INTERNATIONAL FUEL GAS CODE, SAVE AND EXCEPT THE DELETIONS AND ADDITIONS SET FORTH HEREIN; REGULATING THE INSTALLATION OF FUEL-GAS PIPING SYSTEMS, FUEL-GAS UTILIZATION EQUIPMENT AND RELATED ACCESSORIES WITHIN THE CITY OF FRISCO, TEXAS; PROVIDING A PENALTY CLAUSE, SAVINGS/REPEALING CLAUSE, SEVERABILITY CLAUSE AND AN EFFECTIVE DATE; AND PROVIDING FOR THE PUBLICATION OF THE CAPTION HEREOF.

WHEREAS, the City Council of the City of Frisco, Texas ("City Council") has investigated and determined that it would be advantageous, beneficial and in the best interest of the citizens of the City of Frisco, Texas ("Frisco") to amend Division 8 (Fuel-Gas), Article IV (Technical Codes), Chapter 18 (Buildings and Building Regulations), Part II of the Frisco's Code of Ordinances, Ordinance No. 06-03-31, as amended ("Code of Ordinances"), by adopting the 2021 Edition of the International Fuel Gas Code, save and except the deletions and additions set forth below; and

WHEREAS, the City Council has investigated and determined that in order to most effectively make the deletions and additions necessary to Division 8 (Fuel Gas), Article IV (Technical Codes), Chapter 18 (Buildings and Building Regulations), Part II of the Frisco Code of Ordinances, it is in the best interest of the citizens of Frisco to repeal Ordinance No. 19-11-97 (Fuel Gas Code), in its entirety, and replace it with this Ordinance, adopting the 2021 Edition of the International Fuel Gas Code, save and except the deletions and additions set forth below.

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

SECTION 1: Findings Incorporated. The findings set forth above are incorporated into the body of this Ordinance as if fully set forth herein.

SECTION 2: Repeal of Ordinance No. 19-11-97. Ordinance No. 19-11-97 is hereby repealed, in its entirety, and replaced by this Ordinance. The effective date of the repeal discussed in this Section shall not occur until the effective date of this Ordinance at which time Ordinance No. 19-11-97 shall be repealed. Such repeal shall not abate any pending prosecution and/or lawsuit or prevent any prosecution and/or lawsuit from being commenced for any violation of Ordinance No. 19-11-97 occurring before the effective date of this Ordinance.

SECTION 3: Amendment to Division 8 (Fuel Gas), Article IV (Technical Codes), Chapter 18 (Buildings and Building Regulations), Part II of the Frisco Code of Ordinances. Division 8

(Fuel Gas), Article IV (Technical Codes), Chapter 18 (Buildings and Building Regulations), Part II of the Frisco Code of Ordinances is hereby amended for the sole purpose of adopting new fuel gas code regulations as set forth in the International Fuel Gas Code, copyrighted by the International Code Council, Inc., save and except the deletions and additions set forth in Exhibit A, attached hereto and incorporated herein for all purposes, regulating the installation of fuel gas piping systems, fuel gas utilization equipment and related accessories within Frisco ("2021 International Fuel Gas Code"). The 2021 International Fuel Gas Code is made a part of this Ordinance as if fully set forth herein. Three (3) copies of the 2021 International Fuel Gas Code are on file in the office of the City Secretary of Frisco being marked and designated as the 2021 International Fuel Gas Code. The deletions and additions set forth in Exhibit A are located on Frisco's website under Development Services.

SECTION 4: Savings/Repealing. All provisions of any ordinance in conflict with this Ordinance are hereby repealed to the extent they are in conflict; but such repeal shall not abate any pending prosecution for violation of the repealed ordinance, nor shall the repeal prevent a prosecution from being commenced for any violation if occurring prior to the repeal of the ordinance. Any remaining portion of conflicting ordinances shall remain in full force and effect.

SECTION 5: Penalty Provision. Any person, firm, corporation or business entity violating this Ordinance shall be deemed guilty of a misdemeanor, and upon conviction therefore, shall be fined a sum not exceeding TWO THOUSAND AND NO/100 DOLLARS (\$2,000.00), and each and every day that such violation continues shall be considered a separate offense; provided, however, that such penal provision shall not preclude a suit to enjoin such violation. Frisco retains all legal rights and remedies available to it pursuant to local, state and federal law.

SECTION 6: Severability. Should any section, subsection, sentence, clause or phrase of this Ordinance be declared unconstitutional and/or invalid by a court of competent jurisdiction, it is expressly provided that any and all remaining portions of this Ordinance shall remain in full force and effect. Frisco hereby declares that it would have passed this Ordinance, and each section, subsection, clause or phrase thereof, regardless of whether any one or more sections, subsections, sentences, clauses or phrases is declared unconstitutional and/or invalid.

SECTION 7: Effective Date. This Ordinance shall become effective upon its passage and publication as required by the City Charter and by law.

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DULY PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF
FRISCO, TEXAS, on this 15th day of November, 2022.



Jeff Cheney
Jeff Cheney, Mayor

ATTESTED TO AND
CORRECTLY RECORDED BY:

APPROVED AS TO FORM:

Kristi Morrow
Kristi Morrow, City Secretary

Aliceson Cotton
Abernathy Roeder Boyd & Hullett, P.C.
Aliceson Cotton, City Attorneys

Dates of Publication: November 20, 2022 and November 27, 2022, *Frisco Enterprise*

Exhibit A
CITY OF FRISCO DELETIONS/ADDITIONS
2021 INTERNATIONAL FUEL GAS CODE¹

The following deletions and additions to the 2021 International Fuel Gas Code are hereby approved and adopted (*i.e.* deletions evidenced by ~~strikethrough~~ and additions evidenced by underline)²:

Chapter 1. Scope and Administration of the 2021 International Fuel Gas Code is amended as follows:

Section 102 Applicability of the 2021 International Fuel Gas Code is amended as follows:

102.8 Referenced codes and standards. The codes and standards referenced in this code shall be those that are listed in Chapter 8 and such codes and standards shall be considered to be part of the requirements of this code to the prescribed extent of each such reference and as further regulated in Sections 102.8.1 and 102.8.2. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the adopted amendments.

Section 109 Fees of the 2021 International Fuel Gas Code is amended as follows:

109.2 Schedule of permit fees. ~~Where work requires a permit, a fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority.~~ The fees for work shall be as established in Frisco's Comprehensive Master Fees Ordinance, as amended;

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¹ Unless otherwise expressly provided herein, all phrases, words and/or terms used herein shall have the same meaning ascribed to the same in the 2021 International Fuel and Gas Code (regardless of whether such phrases, words and/or terms are italicized herein).

² Other italicized and bold notations are provided throughout for informational purposes only. By way of example only, "*[Paragraph remains unchanged.]*".

109.6 Refunds. ~~The code building official is authorized to establish a refund policy, may authorize the refunding of any fee paid hereunder which was erroneously paid or collected.~~

The building official may authorize a refund not to exceed eighty percent (80%) of the permit fee paid when no work has been done under a permit issued in accordance with this code.

The building official may authorize a refund not to exceed eighty percent (80%) of the plan review fee paid when an application for a permit for which plan review fee has been paid is withdrawn or canceled before any plan reviewing is done.

The building official may not authorize the refunding of any fee paid except upon written request filed by the original permittee not later than 180 days after the date of the fee payment.

Section 113 Means of appeal of the 2021 International Fuel Gas Code is deleted in its entirety and replaced with the following:

113 Means of Appeal. The Board of Construction Appeals, created by the City of Frisco, as it currently exists or may be amended, will serve as the means of appeal.

Chapter 3. General Regulations of the 2021 International Fuel Gas Code is amended as follows:

Section 306 Access and Service Space of the 2021 International Fuel Gas Code is amended as follows:

306.3 Appliances in attics. Attics containing appliances shall be provided with an opening and unobstructed passageway large enough to allow removal of the largest appliance. The passageway shall be not less than thirty 30 inches (762 mm) high and twenty-two 22 inches (559 mm) wide and not more than twenty 20 feet (6096 mm) in length measured along the centerline of the passageway from the opening to the appliance. The passageway shall have continuous unobstructed solid flooring not less than twenty-four 24 inches (610 mm) wide. A level service space not less than thirty 30 inches (762 mm) deep and thirty 30 inches (762 mm) wide shall be present at the front or service side of the appliance. The clear access opening dimensions shall be not less 20 inches by thirty 30 inches (508 mm by 762 mm), and large enough to allow removal of the largest appliance. At a minimum, access to the attic space shall be provided by one of the following:

1. A permanent stair or ladder fastened to the building.
2. A pull-down stair with a capacity of three hundred (300) pounds.
3. An access door from an upper floor level.

Exception: When the appliance is capable of being accessed through a lay-in ceiling and is installed not more than ten 10 feet (3048 mm) above the ground or floor level and may be reached with a portable ladder additional access methods to the space are not required under this section.

306.5 Equipment and appliance on roofs or elevated structures. Where equipment requiring access or appliances are located on an elevated structure or the roof of a building such that personnel will have to climb higher than sixteen 16 feet (4877mm) above grade to access such equipment or appliances, an interior or exterior means of access shall be provided. Such access shall not require climbing over obstructions greater than thirty 30 inches (762mm) in height or walking on roofs having a slope greater than 4 units vertical in 12 units horizontal (33-percent slope). Such access shall not require the use of portable ladders. Permanent exterior ladders providing access need not extend closer than eight (8) feet (2438mm) to the finish grade. [Remainder unchanged]

306.5.1 Sloped roofs. Where appliances, equipment, fans or other components that require service are installed on a roof having a slope of 3 units vertical in 12 units horizontal (25-percent slope) or greater 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. A level platform shall be provided on each side of the appliance or equipment to which access is required for service, repair or maintenance. *[Remainder unchanged]*

Chapter 4. Gas Piping Installations of the 2021 International Fuel Gas Code is amended as follows:

Section 401 General of the 2021 International Fuel Gas Code is amended as follows:

401.5 Identification. *[Paragraph remains unchanged.]*

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

“Warning: ½ to 5 psi gas pressure. Do Not Remove!”

Section 404 Piping System Installation of the 2021 International Fuel Gas Code is amended as follows:

404.12 Minimum burial depth. All underground piping systems shall be installed a minimum depth of ~~12-18 inches to the top of pipe (305 mm)~~ (457 mm) below grade, ~~except as provided for in Section 404.12.1.~~

404.12.1 Individual outside appliances, is deleted in its entirety

404.17.2 Connections. Connections made outdoors and underground between metallic and plastic piping shall be made only with transition fittings conforming to ASTM D 2513 Category I or ASTM F 1973. Compression-type mechanical joints are not permitted below ground.

Section 406 Inspection, Testing and Purging of the 2021 International Fuel Gas Code is amended 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. ~~Mechanical gauges used to measure test pressures shall have a range such that the highest end of the scale is not greater than five times the test pressure.~~

406.4.1 Test pressure. The test pressure to be used shall ~~be not less than 1 1/2 times the proposed maximum working pressure, but not less than 3 psig (20 kPa gauge), irrespective of design pressure. Where the test pressure exceeds 125 psig (862 kPa gauge), the test pressure shall not exceed a value that produces a hoop stress in the piping greater than 50 percent of the specified minimum yield strength of the pipe.~~ not be less than 3 psig (20 kPa gauge), or at the discretion of the building 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 1/2"), a set hand, 1/10 pound incrementation and pressure range not to exceed 15 psi. 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 1/2"), a set hand, a minimum of 2/10 pound incrementation and a pressure range not to exceed 50 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 two hundred (200) inches of water column pressure (52.2 kPa) (7.5 psi), the test pressure shall be not less than ten (10) pounds per square inch (69.6 kPa). For piping carrying gas at a pressure that exceeds two hundred (200) inches of water column (52.2 kPa) (7.5 psi), the test pressure shall not be less than one and one-half (1/2) time the proposed maximum working pressure.

Diaphragm gauges used for testing must display a current calibration and be in good working condition. The appropriate test must be applied to the diaphragm gauge used for testing.

Section 409 Shutoff Valves of the 2021 International Fuel Gas Code is amended 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 valve, of adequate strength and quality, and located at interval so as to prevent or damp out excessive vibration but in no case greater than twelve (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.

Section 410 Flow controls of the 2021 International Fuel Gas Code is amended as follows:

410.1 Pressure regulators. A line pressure regulator shall be installed where the appliance is designed to operate at a lower pressure than the supply pressure. Line gas pressure regulators shall be listed as complying with ANSI Z21.80/CSA 6.22. Access shall be provided to pressure regulators. Pressure regulators shall be protected from physical damage. Regulators installed on the exterior of the building shall be approved for outdoor installation. 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.

Chapter 5. Chimneys and Vents of the 2021 International Fuel Gas Code is amended as follows:

Section 503 Venting of appliances of the 2021 International Fuel Gas Code is amended as follows:

503.6.12 Support of gas vents. Gas vents shall be supported and spaced in accordance with the manufacturer's installation instructions. Supports shall be installed at every offset and at the vent pipe where it extends through the roof flashing, roof jack or roof thimble. Adjustable fittings shall not be used as lateral support for roof penetration.

Chapter 6. Specific Appliances of the 2021 International Fuel Gas Code is amended as follows:

Section 614 Clothes Dryer Exhaust of the 2021 International Fuel Gas Code is amended as follows:

~~614.5 Dryer exhaust duct power ventilators~~, is deleted in its entirety

~~614.9.4.3 Dryer exhaust duct power ventilator length~~, is deleted in its entirety

614.9.5 Length identification. Where the exhaust duct equivalent length exceeds 35 feet (10 668 mm), the equivalent length of the exhaust duct shall be identified on a permanent label or tag. The label or tag shall be located ~~within 6 feet (1829 mm) of~~ at the exhaust duct connection.

Section 621 Unvented Room Heaters of the 2021 International Fuel Gas Code is amended 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 code provisions in effect when installed, when approved by the Code Official unless an unsafe condition is determined to exist as described in Section 115.6

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