

ORDINANCE NO. _____

AN ORDINANCE AMENDING THE LAND DEVELOPMENT CODE OF THE CITY OF IRVING, TEXAS, BY AMENDING SECTIONS 8B-15 THROUGH 8B-17, ADOPTING THE 2021 EDITION OF THE INTERNATIONAL FUEL GAS CODE AS THE FUEL GAS CODE FOR THE CITY OF IRVING; PROVIDING LOCAL AMENDMENTS, ADDITIONS, AND DELETIONS THERETO; ADOPTING PENALTY PROVISIONS; AND PROVIDING FOR SEVERABILITY, SAVINGS, AND AN EFFECTIVE DATE.

WHEREAS, the North Central Texas Council of Governments encourages local jurisdictions to adopt the 2021 International Codes; and

WHEREAS, the Construction Board of Appeals, among its other duties, has been created to obtain public comment on the periodic update of the code; and

WHEREAS, the Construction Board of Appeals has conducted a public meeting to receive public comments from persons affected by the proposed amendments to the code, and recommends adoption of the 2021 International Fuel Gas Code as the fuel gas code for the City with the following local amendments;

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

SECTION 1. That Chapter 8B entitled “Building Codes” of The Land Development Code of the City of Irving, Texas, is hereby amended by amending Sections 8B-15, 8B-16, and 8B-17 to read as follows:

Sec. 8B-15. International Fuel Gas Code.

The 2021 edition of the International Fuel Gas Code is adopted as the fuel gas code of the City of Irving, Texas, as amended herein.

Sec. 8B-16. Local Amendments, additions, and deletions to the 2021 edition of the International Fuel Gas Code.

Amendments included in this section are intended to be specific code provisions. If there is a conflict between a provision in the published 2021 International Fuel Gas Code and this section, the specific provisions of this section shall control. Amendments, modifications, and deletions to the 2021 International Fuel Gas Code are adopted as follows:

- a) Chapter 1 (Scope and Administration), Section 101.1 is amended to read as follows:
 - 101.1 Title.** These regulations shall be known as the Fuel Gas Code of the City of Irving, hereinafter referred to as “this code” or “IFGC.”
- b) Chapter 1 (Scope and Administration), Section 102.2 is amended to add an exception to read as follows:

102.2 Existing installations. Except as otherwise provided for in this chapter, a provision in this code shall not require the removal, alteration or abandonment of, nor prevent the continued utilization and maintenance of, existing installations lawfully in existence at the time of the adoption of this code.

Exception: Existing dwelling units shall comply with Section 621.2.

c) Chapter 1 (Scope and Administration), Section 102.8 is amended 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 8 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. Where differences occur between provisions of this code and the referenced standards, the provisions of this code shall apply. 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 shall mean the Electrical Code as adopted.

d) Chapter 1 (Scope and Administration), Section 103.1 is amended to read as follows:

103.1 Creation of agency. The Department of Inspections is hereby created and the official in charge thereof shall be known as the code official. The function of the agency shall be the implementation, administration, and enforcement of the provisions of this code.

e) Chapter 3 (General Regulations), Section 306.5 is amended to read as follows:

306.5 Equipment and Appliances 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 16 feet (4877 mm) above grade to access, an interior or exterior means of access shall be provided. 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 appliances' level service space. Such access shall not require climbing over obstructions greater than 30 inches (762 mm) 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.

f) Chapter 3 (General Regulations), Section 306.5.1 is amended to read as follows:

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. 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.

Permanent ladders installed to provide the required access shall comply with the following minimum design criteria:

1. The side railing shall extend above the parapet or roof edge not less than 30 inches (762 mm).
2. Ladders shall have rung spacing not to exceed 14 inches (356 mm) on center. The upper-most rung shall be not more than 24 inches (610 mm) below the upper edge of the roof hatch, roof or parapet, as applicable.
3. Ladders shall have a toe spacing not less than 6 inches (152 mm) deep.
4. There shall be not less than 18 inches (457 mm) between rails.
5. Rungs shall have a diameter not less than 0.75-inch (19 mm) and be capable of withstanding a 300-pound (136.1 kg) load.
6. Ladders over 30 feet (9144 mm) in height shall be provided with offset sections and landings capable of withstanding 100 pounds per square foot (488.2 kg/m²). Landing dimensions shall be not less than 18 inches (457 mm) and not less than the width of the ladder served. A guard rail shall be provided on all open sides of the landing.
7. Climbing clearance. The distance from the centerline of the rungs to the nearest permanent object on the climbing side of the ladder shall be not less than 30 inches (762 mm) measured perpendicular to the rungs. This distance shall be maintained from the point of ladder access to the bottom of the roof hatch. A minimum clear width of 15 inches (381 mm) shall be provided on both sides of the ladder measured from the midpoint of and parallel with the rungs, except where cages or wells are installed.
8. Landing required. The ladder shall be provided with a clear and unobstructed bottom landing area having a minimum dimension of 30 inches by 30 inches (762 mm by 762 mm) centered in front of the ladder.
9. Ladders shall be protected against corrosion by approved means.
10. Access to ladders shall be provided at all times.

Catwalks installed to provide the required access shall be not less than 24 inches (610 mm) wide and shall have railings as required for service platforms.

Exception: This section shall not apply to Group R-3 occupancies.

g) Chapter 4 (Gas Piping Installations), Section 401.5 is amended to read as follows:

401.5 Identification. For other than steel pipe and CSST, exposed 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 piping located in the same room as the appliance served. CSST shall be identified as required by ANSI LC 1/CSA 6.26. Both ends of each section of medium pressure gas piping 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"

- h) Chapter 4 (Gas Piping Installations), Section 404.12 is amended to read as follows:

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

- i) Chapter 4 (Gas Piping Installations), Section 404.12.1 (Individual Outdoor Appliances) is deleted in its entirety.

- j) Chapter 4 (Gas Piping Installations), Section 406.4 is amended to read as follows:

406.4 Test pressure measurement. Test pressure shall be measured with a monometer 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. Spring type gauges do not meet the requirement of a calibrated gauge.

- k) Chapter 4 (Gas Piping Installations), Section 406.4.1 is amended 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 15 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 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 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.

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.

- l) Chapter 4 (Gas Piping Installations), Section 409 (Shutoff Valves) is amended to add 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.

- m) Chapter 4 (Gas Piping Installations), Section 410 (Flow Controls), Subsection 410.1 is amended to read 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.

- n) Chapter 6 (Specific Appliances), Section 612 (Recirculating Direct-Fired Industrial Air Heaters), Subsection 621.2 is amended to add an exception 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.

Sec. 8B-17. Penalty.

- a) A person commits an offense if the person violates a provision of the 2021 International Fuel Gas Code, as adopted and amended by the City of Irving, allows another person to violate a provision of the 2021 International Fuel Gas Code, as adopted and amended by the City of Irving, or fails to perform an act required of the person by the 2021 International Fuel Gas Code, as adopted and amended by the City of Irving. A person commits a separate offense each day or portion of a day during which the violation is committed, allowed, or continued.
- b) An offense described in Section 8B-17(a) is a class "C" misdemeanor and shall be punishable by a fine not to exceed \$500.00. However, a fine for the violation of a provision of this chapter that governs fire safety, zoning, or public health and sanitation, including dumping or refuse, may not exceed \$2,000.00.
- c) The penalties provided for in this section are in addition to any other enforcement remedies that the city may have under other city ordinances or state law.

SECTION 2. That terms and provisions of this ordinance shall be deemed to be severable and that if the validity of any section, subsection, sentence, clause, or phrase of this ordinance should be declared to be invalid, the same shall not affect the validity of any other section, subsection, sentence, clause, or phrase of this ordinance.

SECTION 3. That it is the intent of the Irving City Council that pending prosecutions, brought under the previous code, which this ordinance replaces, should continue under the terms and penalties of said code and be saved from dismissal as if said prior ordinances had not been repealed.

SECTION 5. That this ordinance shall become effective on February 13, 2023.

PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF IRVING, TEXAS,
on _____.