
Sec. 4-3-50. Adoption of fuel gas code; amendments.

- (a) *Code adopted.* There is hereby adopted the 2021 edition of the *International Fuel Gas Code*, published by the International Code Council with the following amendments, copies of which shall be maintained by the Building Official:

[Amend]Section 101.1 to read as follows:

R101.1 Title. These regulations shall be known as the Fuel Gas Code of the City of Amarillo hereinafter referred to as "this code."

[Add] exception as follows

[A] 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.

[Add][Amend] Section 102.8 to read as follows

[A]102.8 Referenced Codes and Standards. The codes and standards referenced herein 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.

[Delete] Section [A]102.8.1

~~[A] 102.8.1. Where differences occur between provisions of this code and the referenced standards, the provisions of this code shall apply.~~

[Add][Amend] 102.8.2 to read as follows

[A] 102.8.2 Provisions in referenced codes and standards. Where the extent of the reference to a referenced code or standard includes subject matter that is within the scope of this code, the provisions of this code, as applicable, shall take precedence over the provisions in the referenced code or standard. 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. Any reference to NFPA 70 shall mean the Electrical Code as adopted.

Exception: Where enforcement of a code provision would violate the conditions of the listing of the equipment or appliance, the conditions of the listing and the manufacturer's installation instructions shall apply.

[Strike] Section 106.6.1 has been moved

~~Section 106.6.1. Amend to read as follows:~~

~~106.6.1 Work commencing before permit issuance. Any person who commences any work on an installation before obtaining the necessary permits shall be subject to fees as provided in Chapter 4-1 of the Municipal Code of Ordinances.~~

[Strike] Section 106.6.2 content has been moved

~~Section 106.6.2. Amend to read as follows:~~

~~106.6.2 Fee schedule. Fees as provided in Chapter 4-1 of the Municipal Code of Ordinances.~~

[Strike] Section 106.6.3 content has been moved

~~Section 106.6.3. is deleted.~~

[Strike] Section 108.4 content has been moved

~~Section 108.4. is deleted.~~

~~[Strike] section 108.5 content has been moved~~

~~Section 108.5. Amend to read as follows:~~

~~108.5 Stop work orders. Upon notice from the code official that work is being done contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine as specified in the Municipal Code of Ordinances.~~

~~[Amend] Section[A] 109.2 to read as follows:~~

~~Section [A]109.2 Schedule of permit fees, a fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority Chapter 4-1 of the City of Amarillo Municipal Code.~~

~~[Strike] Section [A]109.3 in its entirety~~

~~[A] 109.3 Permit valuations. The applicant for a permit shall provide an estimated permit value at the time of application. Permit valuations shall reflect the total value of work, including materials and labor, for which the permit is being issued, such as mechanical equipment and permanent systems. If, in the opinion of the code official, the valuation is underestimated on the application, the permit shall be denied unless the applicant can show detailed estimates to meet the approval of the code official. Final building permit valuation shall be set by the code official in accordance with Chapter 4-1 of the City of Amarillo Municipal code.~~

~~[Amend] [A]109.4 to read as follows:~~

~~[A] 109.4 Work commencing before permit issuance. Any person who commences work on a mechanical system before obtaining the necessary permits shall be subject to a fee established by ~~the code official~~ Chapter 4-1 of the City of Amarillo Municipal code that shall be in addition to the required permit fees.~~

~~[Amend] [M]306.3 to read 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 30 inches (762 mm) high and 22 inches (559 mm) wide and not more than 20 feet (6096 mm) in length measured along the centerline of the passageway from the opening to the appliance. 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 not less than 20 inches by 30 inches (508 mm by 762 mm), and large enough to allow removal of the largest appliance. In new construction, access is required to be provided by one of the following methods.~~

- ~~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~~

~~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 unobstructed and not less than 6 feet (1829 mm) high and 22 inches (559 mm) wide for its entire length. ~~the passageway shall be not greater than 50 feet (15 250 mm) in length.~~

[Amend] [M]306.5 as follows

[M] 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 (2,438 mm) to the finish grade or floor level below and shall extend to the equipment and appliances' level service space. Such access shall . . . {Bulk of section to read the same} . . . on roofs having a slope greater than four units vertical in 12 units horizontal (33-percent slope) ... {Remainder of text unchanged}.

[Add][Amend] to read as follows

[M] 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 (1,067 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.

[Amend] Section 307.5. to read as follows:

307.5 Auxiliary drain pan. Category IV condensing appliances shall have an auxiliary drain pan where damage to any building component will occur as a result of stoppage in the condensate drainage system or failure of a condensate pump. These pans shall be installed in accordance with the applicable provisions of Section ~~307.2.3 item (1.) of the 2015~~ International Mechanical Code and be provided under condensate pumps.

[Amend] Section 307.6. to read as follows:

307.6 Condensate pumps. Condensate pumps located in uninhabitable spaces, such as attics and crawl spaces, ~~shall be connected to the appliance or equipment served such that when the pump fails, the appliance or equipment will be prevented from operating.~~ Pumps shall be installed in accordance with the manufacturer's instructions and shall not prevent the operation of fuel fired appliances.

[Add] [Amend] Section 404.12 to read as follows

404.12 Minimum burial depth. Underground piping systems shall be installed a minimum depth of ~~42~~ 18 inches (~~305~~ 458 mm) top of pipe below grade, ~~except as provided for in Section 404.12.1.~~

[Delete] Section 404.12.1 in its entirety

~~*404.12.1 Individual outdoor appliances.* Individual lines to outdoor lights, grills and other appliances shall be installed not less than 8 inches (203 mm) below finished grade, provided that such installation is approved and is installed in locations not susceptible to physical damage.~~

[Add][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. ~~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.~~

[Add][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 1 1/2 times the proposed maximum working pressure, but 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, 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. 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 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 1/2"), 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. 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.

[Add][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.

[Add][Amend] Section 410.1 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 ANSIZ21.80/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.

[Amend] Section 412.1 to read as follows:

[F] 412.1 General. Motor fuel-dispensing facilities for LP-gas fuel shall be in accordance with Railroad Commission of Texas rules, this section and the International Fire Code. The operation of LP-gas motor fuel-dispensing facilities shall be regulated by the International Fire Code and in accordance with Railroad Commission of Texas rules.

[Amend] Section 413.1 to read as follows:

[F] 413.1 General. Motor fuel-dispensing facilities for CNG fuel shall be in accordance with Railroad Commission of Texas rules, this section and the *International Fire Code*. The operation of CNG motor fuel dispensing facilities shall be regulated by the *International Fire Code* and in accordance with Railroad Commission of Texas rules.

(Ord. No. 7103, § 2, 5-20-2008; Ord. No. 7353, §§ 1, 2, 9-4-2012; Ord. No. 7512, §§ 1, 2, 3-3-2015)