

Exhibit D

Recommended Amendments to the 2018 International Mechanical Code City of Amarillo, Texas

The following sections, paragraphs, and sentences of the 2018 International Mechanical Code (IMC) are hereby amended as follows: Standard type is text from the IMC. Underlined type is text inserted. ~~Lined through type is deleted text from the IMC.~~ A double asterisk at the beginning of a section identifies an amendment carried over from the 2015 edition of the code and a triple asterisk identifies a new or revised amendment of the 2018 edition of the code.

Note: Amendments to Chapter 1 has been limited in order to allow each city to insert their local policies and procedures. It has now been suggested that certain items to be brought to the attention of cities considering adoption of the code that may be of concern to several jurisdictions. **It is still intended to be discretionary to each city to determine which Chapter 1 amendments to include.**

****Section 101.1; change to read as follows:**

101.1 Title. These regulations shall be known as the Mechanical Code of the City of Amarillo, hereinafter referred to as "this code."

(Reason: Standard insertion point: [insert] to assist with local adoption.)

*****Section 102.8; change to read as follows:**

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. 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 adopted amendments. Any reference to NFPA 70 shall mean the Electrical Code as adopted.

(Reason: Legal wording to recognize locally adopted codes and amendments adopted with referenced codes.)

****Section 106.6; Amend Sections 106.6.1 thru 106.6.3 to read as follows:**

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

Section 106.6.2 Fee schedule. The fees shall be as provided in Chapter 4-1, Article I, Division 5, Section 4-1-50 of the City of Amarillo Municipal Code of Ordinances.

Section 106.3.3. *{Delete section}*

(Reason: Established fees per Chapter 4-1 of the City of Amarillo Municipal Code)

****Section 108.5; Amend Section 108.5 to read as follows:**

108.5 Stop work orders. Upon notice from the Code Official that mechanical work that is being performed contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's authorized 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 City of Amarillo Municipal Code of Ordinances.

(Reason: Established fees per Chapter 4-1, Article I, Division 1, Section 4-1-1 thru 4-1-4 of the City of Amarillo Municipal Code)

*****Section 306.3; change to read as follows:**

306.3 Appliances in Attics. Attics containing appliances shall be provided . . . *{Bulk of paragraph unchanged}* . . . side of the appliance. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm by 762 mm), and large enough to allow removal of the largest appliance. As a minimum, for access to the attic space, provide one of the following: If access to the attic space is provided by more than an access opening, any of the following items shall be provided:

- ~~1. A permanent stair.~~
2. 1. A pull-down stair with a minimum 300 lb. (136 kg) capacity.
3. 2. An access door from an upper floor level.

Exceptions:

- ~~1. The passageway and level service space are not required where the appliance can be serviced and removed through the required opening.~~
2. Where the passageway is unobstructed...{Remaining text unchanged}

(Reason: To provide a safe means of accessibility to appliances in attics and to allow for different types of construction limitations. Consistent with regional amendment to International Fuel and Gas Code (IFGC) 306.3.)

*****Section 306.5; change 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 (4,877 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}*

(Reason: To assure access to roof appliances and provide options to not extend exterior ladders to grade. Consistent with IFGC amendments.)

*****Section 306.5.1; change 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 three 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...*{remainder of text unchanged}*.

(Reason: To assure safe access to roof appliances. Consistent with IFGC amendments.)

*****Section 306; add Section 306.6 to read as follows:**

306.6 Water Heaters Above Ground or Floor. When the mezzanine or platform in which a water heater is installed is more than eight (8) feet (2,438 mm) above the ground or floor level, it shall be made accessible by a stairway or permanent ladder fastened to the building.

Exception: A maximum 10 gallon water heater (or larger with approval) is capable of being accessed through a lay-in ceiling and the water heater installed is not more than ten (10) feet (3,048 mm) above the ground or floor level and may be reached with a portable ladder.

(Reason: To provide safe access to water heaters and to provide lighting and receptacle for maintenance of equipment. Consistent with regional amendments to IFGC 306.7 and International Plumbing Code (IPC) 502.5.)

*****Section 307.2.3; amend item 2 to read as follows:**

2. A separate overflow drain line shall be connected to the drain pan provided with the equipment. Such overflow drain shall discharge to a conspicuous point of disposal to alert occupants in the event of a stoppage of the primary drain. The overflow drain line shall connect to the drain pan at a higher level than the primary drain connection. However, the conspicuous point shall not create a hazard such as dripping over a walking surface or other areas so as to create a nuisance.

(Reason: Greater specificity in prohibited locations for condensate discharge. Consistent with regional amendment to IPC 314.2.1.)

****Section 307.4. Amend to read as follows:**

Auxiliary drain pan. Category IV condensing appliances shall have and 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.) and be provided under condensate pumps.

*****Section 403.2.1; add an item 5 to read as follows:**

4. Toilet rooms within private dwellings that contain only a water closet, lavatory, or combination thereof may be ventilated with an approved mechanical recirculating fan or similar device designed to remove odors from the air.

(Reason: Consistent with common regional practice. Consistent with regional amendment to International Residential Code (IRC) R303.3.)

*****Section 501.3; add an exception to read as follows:**

501.3 Exhaust Discharge. The air removed by every mechanical exhaust system shall be discharged outdoors at a point where it will not cause a public nuisance and not less than the distances specified in Section 501.3.1. The air shall be discharged to a location from which it cannot again be readily drawn in by a ventilating system. Air shall not be exhausted into an attic, crawl space, or be directed onto walkways.

Exceptions:

1. Whole-house ventilation-type attic fans shall be permitted to discharge into the attic space of dwelling units having private attics.
2. Commercial cooking recirculating systems.
3. Where installed in accordance with the manufacturer's instructions and where mechanical or natural ventilation is otherwise provided in accordance with Chapter 4, listed and labeled domestic ductless range hoods shall not be required to discharge to the outdoors.
4. Toilet room exhaust ducts may terminate in a warehouse or shop area when infiltration of outside air is present.

(Reason: Provide a reasonable alternative in areas where a large volume of outside air is present.)

*****Section 607.5.1; change to read as follows:**

607.5.1 Fire Walls. Ducts and air transfer openings permitted in fire walls in accordance with Section 705.11 of the International Building Code shall be protected with listed fire dampers installed in accordance with their listing. For hazardous exhaust systems see Section 510.1-510.9 IMC.

(Reason: Correspond with un-amended IBC 710.7.)

****Section 918. add section to read as follows:**

918.1.2 Total electric heating: Primary central heating and cooling forced air systems utilizing only electric heat shall utilize heat pumps.

(Reason: Total electric heating without the use of heat pumps does not provide energy efficiency and results in excessive energy bill. It is not in the best interest of property owners or homeowners.)

END

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