

Exhibit E
2024 International Mechanical Code Local Amendments

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 and standards, when specifically adopted, shall be considered 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. Any reference to NFPA 70 shall mean the National 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 instruction shall apply.

106.4.3, Expiration, shall be amended in part as follows:

Every permit issued shall become invalid unless work authorized by such permit is commenced within ninety (90) days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of ninety (90) days after the time the work has commenced.

Add 106.6, which shall read as follows:

106.6 Registration of Contractors.

(a) Any person who installs, repairs or alters environmental air conditioning, refrigeration, or process cooling or heating systems or ventilation shall be licensed by the State of Texas to perform such work as a mechanical contractor.

(b) Mechanical contractors are required to register annually with the Town. Registration will expire 365-days from issuance. To register, an application shall be made in writing on forms furnished for that purpose by the Building Inspection Department along with a registration fee, as established by Town Council resolution, and filed with the Building Inspection Department. This application shall contain a copy of the person's State air-conditioning and refrigeration license and a copy of their driver's license. Exception: a homeowner is not required to be licensed as a registered contractor to perform work on his/her homestead.

108.3 Permit Valuations shall be deleted in its entirety.

Section 108.4 shall be deleted in its entirety and replaced with the following:

"The penalty for violation of this Code is as set out in the Highland Park Code of Ordinances section 1.01.009."

108.6 Refunds shall be deleted in its entirety.

202; add definition of Effective Dispersal Volume Charge as follows:

Effective Dispersal Volume Charge (EDVC). The maximum refrigerant charge permitted for an effective dispersal volume.

202; add definition of Refrigerant Detection System as follows:

Refrigerant Detection System - The product safety standard addresses both refrigerant detection systems and leak detection systems. In the product safety standard, a leak detection system is defined as “a sensing system which responds to refrigerant leaking from a refrigerating system.” A leak detection system may include gas sensing, ultrasonic, or other such methods that meet the standards UL 60335-2-40/CSA C22.2 No. 60335-2-40 or UL 60335-2-89/CSA C22.2 No. 60335-2-89. [ASHRAE 15-2022: 3.1]

202; add definition of Refrigerant Detector as follows:

Refrigerant Detector - “Refrigerant sensor” is another term for refrigerant detector. A refrigerant sensor is a sensing element combined with electronic circuitry that provides a digital output or an analog signal output that corresponds to the sensed refrigerant gas concentration. [ASHRAE 15-2022: 3.1]

306.3; change 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 to 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. 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.~~

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 with the approval of the code official.
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.

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 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* or *equipment* 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...{remainder of text unchanged}*.

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.~~

1104.2 Machinery Room ; add an exception to read as follows:

Exception:

3. Machinery Rooms are not required when in compliance with ASHRAE 15 Section 7.4.

1104.3.1.1 Group A2L High-Probability Systems. Add this section to read:

1104.3.1.1 Group A2L High-Probability Systems. High-probability systems using Group A2L refrigerants shall comply with ASHRAE 15 section 7.6.

1109.2.5 Refrigerant pipe shafts. Change to read:

[Existing text to remain]

Exceptions:

1. [Existing text to remain]
2. Piping in a direct refrigeration system ~~using Group A1~~ where the refrigerant quantity does not exceed the limits of Table 1103.1 for the smallest occupied space through which the piping passes.
3. [Existing text to remain]

END