

## **CHAPTER 7 - MECHANICAL CODE**

### **4-7-1. - ADOPTION.**

- (A) Pursuant to the authority granted by 65 ILCS 5/1-2-4, and pursuant to its home rule powers, the City of Evanston hereby adopts by reference the 2021 International Mechanical Code, with the additions, deletions, exceptions, and other amendments set forth in this Chapter. All advisory or text notes, other than the rules and regulations contained in the 2021 International Mechanical Code adopted hereby, are expressly excluded from this Chapter.
- (B) Any reference in the 2021 International Mechanical Code to "Administrative Authority" or "Building Official" shall refer to the City's Manager of Building and Inspection Services Division. Any reference to "municipality" shall mean the City of Evanston.
- (C) In the event that any provision of the 2021 International Mechanical Code adopted hereby is in conflict with any provision(s) of the City Code, the more/most stringent shall control.
- (D) There shall be a copy of the 2021 International Mechanical Code kept on file for public inspection in the City Clerk's office.

### **4-7-2. - AMENDMENTS.**

The 2021 International Mechanical Code adopted hereby shall read as follows with respect to the indicated Sections.

**101.1 Title. (Insert)** City of Evanston

**103.1 Creation of Agency.** Delete and reference 2021 International Building Code Section 103.1 as amended.

**103.2 Appointment.** Delete and reference 2021 International Building Code Section 103.2 as amended.

**103.3 Deputies.** Delete and reference 2021 International Building Code Section 103.3 as amended.

**104.4 Right of Entry.** Delete and reference 2021 International Building Code Section 104.6 as amended.

**106.4.7 Posting of permit.** Delete and reference 2021 International Building Code Section 105.7 as amended.

**106.4.8 Hours of Work Permitted for the Construction, Repair and Demolition of Buildings.** Reference 2021 International Building Code Section 105.8.

**106.2 Permits not required.** Delete section in its entirety. Contact the Building & Inspection Services Division for information regarding work exempt from permit.

**106.4.3 Expiration.** Delete and reference 2021 International Building Code Section 105.5 as amended.

**106.4.4 Extensions.** Delete and reference 2021 International Building Code Section 105.5 as amended.

**110.1: Construction Documents:** Construction documents, engineering calculations, diagrams and other data shall be submitted in digital format with each application for a permit. The Code Official shall require construction documents, computations and specifications to be prepared and designed by a registered design professional when required by state law. Where special conditions exist, the Code Official is authorized to require additional construction documents to be prepared by registered design professional. Construction documents shall be drawn to scale it shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that the work conforms to the provisions of this Code. Construction documents for buildings or than two stories in height shall indicate where penetrations will be made for mechanical systems, and the materials and methods for maintaining required structural safety, fire resistance rating and fire blocking. Permit drawing shall include a HVAC plan showing location of supply, return, and exhausts and shall include a heat load itemizing CFM delivered or exhausted throughout the system

**Exception:** The Code Official shall have the authority to waive the submission of construction documents, calculations or other data if the nature of the work applied for is such that reviewing of construction documents is not necessary to determine compliance with this Code.

**109.2: Schedule of permit fees.** The permit fee for inspection, construction, reconstruction, alteration, and installation shall be those established from time to time by the City Council of the City of Evanston.

**Section 114. Means of Appeal:** Delete section in its entirety.

**115.4 Violation penalties.** Delete and reference 4-2-4 Penalty for Violations of City Code Title 4 – Building Regulations.

### **Section 313 Noise Limitations**

**313.1 Noise Limitations:** Noise levels for equipment and appliances shall not exceed 55 dBA SPL (Decibels, A-weighted, Sound Pressure Level) as averaged over any 15 minute period, and as measured at the property line between the said adjacent structures if a property line separates the parcels.

**Exception:** Emergency Back-Up Generators.

**501.3.1.1 Exhaust Discharge:** Exhaust air shall not be directed onto public sidewalks.

**504.9.3: Transition Ducts:** Transition ducts used to connect the dryer to the exhaust duct system shall be a single length that is listed and labeled in accordance with UL 2158A. Transition ducts shall be a maximum of eight feet (8', 2.438 m) in length and

shall not be concealed within construction. Flexible air ducts used as a connector between clothes dryer and its concealed duct shall be semi ridged aluminum/metal.

**602.3 Stud Cavity and Joist Space Plenums:** Stud spaces, building cavities, shafts spaces shall not be used as supply or return air provisions for any portion within a residential structure.

**603.6.1.1 Duct Length:** Flexible air ducts shall be limited to eight feet (8', 2.438 m) in length.

**801.18.5: Reuse:** Abandoned masonry chimney liners may be used as a chase for high efficiency appliances adjacent to an active solid fuel chimney under the following conditions:

- 1) Chimney or liner thereof serving the still-active solid fuel fireplace shall extend at least two feet (2', 609 mm) above the point of termination of the high efficiency appliance vent at all points where the separation is less than eighteen inches (18", 457 mm) between center lines;
- 2) The abandoned liner which is used as the chase shall be sealed on top with non-combustible materials and shall make the chase weather-tight; and
- 3) Annular space between the two (2) said liners is of masonry construction and is at least four inches (4", 102 mm).

#### **4-7-3. - HEATING, VENTILATION AND AIR CONDITIONING CONTRACTORS.**

(A) **Registration Required:** Reference 4-2-3 Building Contractors of City Code Title 4 – Building Regulations.

Exception: Nothing contained in 4-2-3 Building Contractors shall prohibit the owner-occupant of a single-family residence from planning, installing, altering, or repairing the mechanical system of such residence, provided that said owner-occupant complies with all ordinances, rules and regulations of the City, and provided further, that any such owner-occupant may not employ any person other than a mechanical contractor registered with the City to assist him in such work. An affidavit certifying installation by owner and familiarity with the provisions of the 2021 International Residential Code, International Mechanical Code and International Fuel Gas Code, as applicable, is required prior to permit issuance.

#### **4-7-4. – SEVERABILITY.**

It is the intention of the City Council that the provisions of this Chapter and the Code adopted hereby are severable and the invalidity of any Section or any portion of any such Section of either of them shall not affect any other Section.

#### **4-7-5. – IDENTIFICATION OF ORDINANCE WITH THE ILLINOIS CAPITAL BOARD.**

The adoption of this Ordinance and code, by title and edition, shall be reported to the Illinois Capital Development Board Illinois or any successor agency of the State of Illinois pursuant to Section 1-2-3.1 of the Illinois Municipal Code, 65ILCS 5/1-2-3.1.

**4-7-6. – EFFECTIVE DATE.**

This Ordinance shall be in full force and effect thirty (30) days after its approval and passage.