

City of Elmhurst

**AMENDMENTS
to the
ICC INTERNATIONAL, MECHANICAL CODE
2012 edition**

Table of Contents

GENERAL AMENDMENTS

1. **Applicability**
2. **Conflicts**
3. **General Amendments**
4. **Energy Efficiency**

SPECIFIC AMENDMENTS to the Sections of the IMC 2012

5. **Fuel Fired Appliances**
6. **Section 304.6 Private Garages - Furnaces**
7. **Section 306.3 Appliances in Attics**
8. **Section 306.4 Appliances Under Floors**
9. **Section 403.3 Ventilation Systems**
10. **Section 504.6 Domestic Clothes Dryer Ducts**
11. **Section 602.3 Stud Cavity and Joist Space Plenums - Not Permitted**
12. **Section 603.5 & 603.5.1 Gypsum Ducts – Not Permitted**
13. **Section 910 Floor Furnaces – Not Permitted**
14. **Section 922 Kerosene and Oil-Fired Stoves – Not Permitted**
15. **Chapter 15 Referenced Standards - adopted**
16. **Appendix A – adopted**
17. **Rule Making Authority**
18. **Matters not provided for**

City of Elmhurst

AMENDMENTS

To the

**ICC INTERNATIONAL, MECHANICAL CODE
2012 edition**

1. APPLICABILITY

The City of Elmhurst Amendments, Zoning Ordinance, and Municipal Ordinance and all of the adopted model codes shall be applicable to the planning and construction of all projects within the City.

2. Conflicts

Whenever two codes are in conflict, the more stringent requirement shall govern.

3. GENERAL AMENDMENTS

- a) **Attic furnaces** and crawlspace furnaces are not permitted.
- b) **Concrete Pad** – When the floor construction is combustible all gas fired furnaces shall be placed on a minimum of 2” of concrete or on a solid precast concrete pad or on 2 layers of DURA ROCK. (The precast pad may be under the furnace only, and extend a few inches beyond the perimeter of the unit’s footprint.) Furnaces may be placed directly on concrete basement floor slabs.
- c) **Air conditioning equipment**, including pads, condensing units, heat pumps, etc. are not permitted in the required sideyard setbacks. (per Zoning Ordinance)
- d) All **dryer vents** shall be metal or metal flex. Non-metallic vents for dryers are not permitted. See Section 504.6.1.
- e) All **ductwork** shall be a closed system and in compliance with the International Mechanical Code Section 603. Use of a stud space or joist

space for a supply or plenum return is not permitted. Gypsum ducts are not permitted. [Delete Section 603.5.1.](#)

- f) Provide a 1-1/2" precast concrete pad under all furnaces which are set on a wood floor. (or use 2 layers of ½" DURA ROCK or a 2" Thickness of poured concrete).
 - g) All bathroom, shower and powder room exhaust fans shall have insulated ductwork, R-6, [unless ducts or portions thereof are located completely inside the building envelope.](#) (reference International Energy Code, Section R403.2.1)
4. **ENERGY EFFICIENCY**
[This code \(IMC\) shall comply with all of the requirements of the International Energy Conservation Code 2015 edition.](#) (as required by the State of Illinois)

SPECIFIC AMENDMENTS to the Sections of the IMC , 2012 edition

5. **Fuel Fired Appliances**
 See Section 303 for approved and prohibited locations.
- a) **Section 303.3 Prohibited locations**
 Fuel-fired appliances shall not be located in, or obtain combustion air from, any of the following rooms or spaces.
 1. Sleeping rooms
 2. Bathrooms
 3. Toilet rooms
 4. Storage closets
 5. Surgical rooms
 - b) **Exception:** This section shall not apply to the following appliances:
 1. Direct-vent appliances that obtain all combustion air directly from the outdoors.
 2. Solid fuel-fired appliances, provided that the room is not a confined space and the building is not of unusually tight construction.
 3. Appliances installed in a dedicated enclosure in which all combustion air is taken directly from the outdoors, in accordance with [Chapter 7](#). Access to such enclosure shall be through a solid door, weather-stripped in accordance with the exterior door air leakage requirements of the *International Energy Conservation Code* and equipped with an approved self-closing device. (hydraulic closer required)

- 6. Section 304.7 Private Garages - furnaces**
Appliances located in private garages and carports shall be installed with a minimum clearance of 6 feet above the floor.
EXCEPTION: The requirements of this section shall not apply where the appliances are protected from motor vehicle impact and installed in accordance with Section 304.3 of the IMC.
- 7. Section 306.3 Appliances in Attics**
Attic furnaces are not permitted.
- 8. Section 306.4 Appliances under floors**
Furnaces in the crawlspace or other appliances under floors are not permitted.
- 9. Section 403.3 Ventilation Systems**
Ventilation Systems shall be designed to provide the minimum ventilation rates for the occupancy classifications presented in Table 403.3.
- 10. Section 504.6 Domestic clothes dryer ducts**
Clothes dryer exhaust ducts shall be constructed of galvanized steel or aluminum. Clothes dryer transition ducts used to connect the appliance to the exhaust duct system shall be limited to single lengths not to exceed 8 feet. Transition ducts shall be metal flex and shall not be concealed within construction. **The maximum allowable exhaust duct length shall be determined by one of the methods specified in Section 504.6.4.1 or 504.6.4.2.**
- 11. Section 602.3 Stud cavity and joist space Plenums – Not Permitted**
Delete this section in its entirety. Stud cavity and joist space plenums are not permitted.
- 12. Section 603.5.1 Gypsum ducts – not permitted**
Delete this section in its entirety. The use of gypsum board to form ducts is not permitted.
- 13. Section 910 Floor Furnaces – not permitted**
Delete this section in its entirety. Floor furnaces are not permitted.
- 14. Section 922 Kerosene and Oil-fired Stoves – not permitted**
Delete this section in its entirety. Kerosene and oil-fired stoves are not permitted.
- 15. Chapter 15 Referenced Standards**
All of the referenced standards listed in Chapter 15 of the IMC 2012 edition are hereby adopted by the City of Elmhurst.

16. Appendix A

Appendix A of the IMC 2012 edition is hereby adopted by the City of Elmhurst.

17. Rule Making Authority

The Code Official shall have authority as necessary in the interest of public health, safety and general welfare, to adopt and promulgate rules, regulations and policies to interpret and implement the provisions of this code to secure the intent thereof and to designate requirements applicable because of local climatic, other unique conditions or extenuating circumstances. Such rules shall not have the effect of waiving structural or fire performance requirements specifically provided for in this code of violating accepted engineering practice involving public safety.

18. Matters not provided for

Any requirements that are essential for the structural, fire or sanitary safety of an existing or proposed building or structure, or for the safety of the occupants thereof, which are not specifically provided for by this code, shall be determined by the code official. The Code Official shall have the authority to enforce such requirements.

◆◆◆ END ◆◆◆