

## CHAPTER 5 – BUILDINGS AND BUILDING REGULATIONS

### Section 5-76. International Mechanical Code – Adopted and Amended

(A) A certain document, one copy of which is on file in the City Clerk's Office of the City of Peoria, being marked and designated as "International Mechanical Code, 2015 Edition," published by the International Code Council is hereby adopted, as amended herein, as the Mechanical Code of the City of Peoria.

(B) The International Mechanical Code, 2015 Edition, is amended as follows:

(1) Chapter 1, "Scope and Administration," is hereby amended as follows:

Note: For reserved sections herein, refer to the Building Code of the City of Peoria Administrative Provisions for these code requirements.

**[A] Section 101.1 Title.** These regulations shall be known as the Mechanical Code of the City of Peoria, herein after referred to as "this code."

Delete Chapter 1, Part 2-Administration and Enforcement in its entirety and replace with the following:

#### **Part 2- Administration and Enforcement**

#### **Section 103 (IFGC) Department of Inspection – RESERVED**

#### **Section 104 (IFGC) Duties and Powers of the Code Official – RESERVED**

#### **Section 105 (IFGC) Approval – RESERVED**

#### **Section 106 (IFGC) Permits – RESERVED**

#### **Section 107 (IFGC) Inspections and Testing – RESERVED**

#### **Section 108 (IFGC) Violations – RESERVED**

#### **Section 109 (IFGC) Means of Appeal – RESERVED**

#### **Section 110 (IFGC) Temporary Equipment, Systems and Uses – RESERVED**

(2) Chapter 3, "General Regulations", is hereby amended as follows:

**307.2.2 Drain pipe materials and sizes.** Components of the condensate disposal system shall be cast iron, galvanized steel, copper, cross-linked polyethylene, polyethylene, ABS, CPVC, PVC, or polypropylene pipe or tubing. Nonmetallic piping shall not be installed in exposed locations. Components shall be selected for the pressure and temperature rating of the installation. Joints and connections shall be made in accordance with the applicable provisions of Chapter 7 of the *International Plumbing Code* relative to the material type. Condensate waste and drain line size shall not be less than 3/4-inch (19.1 mm) internal diameter and shall not decrease in size from the drain pan connection to the place of condensate disposal. Where the drain pipes from more than one unit are manifolded together for condensate drainage, the pipe or tubing shall be sized in accordance with Table 307.2.2.

**[BG] 309.1 ~~Space heating systems.~~ Heating and cooling systems.** Habitable spaces Interior spaces intended for human occupancy shall be provided with active or passive space-heating and space cooling systems capable of maintaining a minimum indoor temperatures between 70 of 68 F (201 C) and 90F (32C) at a point 3 feet (914 mm) above the floor on the design heating day. The installation of portable space heaters or coolers shall not be used to achieve compliance with this section.

**Exceptions:**

1. Space heating and cooling systems are not required for Interior spaces where the primary purpose is not associated with human comfort.
2. ~~Group F, H, S and U occupancies.~~

(3) Chapter 4, "Ventilation", is hereby amended as follows:

**403.3.1.5 Balancing.** The *ventilation* air distribution system shall be provided with means to adjust the system to achieve at least the minimum ventilation airflow rate as required by Sections 403.3 and 403.3.1.2. Ventilation systems shall be balanced using a nationally accepted air balancing test by an approved method. Such balancing shall verify that the ventilation system is capable of supplying and exhausting the airflow rates required by Sections 403.3 and 403.3.1.2. A final report shall be provided to the engineer of record and the mechanical inspector.

**Exception:** Residential occupancies

(4) Chapter 5, "Exhaust Systems", is hereby amended as follows:

**502.14 Motor vehicle operation.** In areas where motor vehicles operate, mechanical ventilation shall be provided in accordance with Section 403. Additionally, areas in which stationary motor vehicles are operated shall be provided with a *source capture system* that connects directly to the motor vehicle exhaust systems. Such system shall be engineered by a registered design professional or shall be factory-built equipment designed and sized for the purpose. Makeup air shall be provided through permanent unobstructed openings to the outdoors, such as louvers and grills. Mechanical equipment and louvers used for makeup air purposes shall be electrically interlocked with the exhaust system.

**Exceptions:**

1. This section shall not apply where the motor vehicles being operated or repaired are electrically powered.
2. This section shall not apply to one- and two-family dwellings.
3. This section shall not apply to motor vehicle service areas where engines are operated inside the building only for the duration necessary to move the motor vehicles in and out of the building

(5) Chapter 6, "Duct Systems", is hereby amended as follows:

**606.2.1 Return air systems ~~with~~ Air distribution systems.** Smoke detectors shall be installed in ~~return air systems with~~ air distribution systems downstream of the filters and ahead of any branch connections in systems having a design capacity greater than 2,000 cfm (0.9m<sup>3</sup>/s) ~~in the return air duct or plenum upstream of any filters, exhaust air connections, outdoor air connections, or decontamination equipment and appliances.~~

**Exception:** Smoke detectors are not required ~~in the return air system~~ where all portions of the building served by the air distribution system are protected by area smoke detectors connected to a fire alarm system in accordance with the *International Fire Code*. The area smoke detection system shall comply with Section 606.4.

**606.5 Testing.** Smoke detectors shall be tested by an approved testing agency or qualified third party Special Inspector. The Special Inspector/testing agency shall be an independent third party individual or firm and shall not be the installing contractor. Special Inspections shall be as specified in Chapter 17 of the *International Building Code* as amended.

**607.2 Installation.** Fire dampers, smoke dampers, combination fire/smoke dampers and ceiling radiation dampers located within air distribution and smoke control systems shall be installed in accordance with the requirements of this section, and the manufacturer's installation instructions

and listing. Dampers shall be tested by an approved testing agency or qualified third party special inspector. The special inspector/testing agency shall be an independent third party individual or firm and shall not be the installing contractor. Special inspections shall be as specified in Chapter 17 of the International Building Code, as amended.

(6) Chapter 9, "Specific Appliances, Fireplaces and Solid Fuel-Burning Equipment", is hereby amended as follows:

### **Section 929 Wood Stove/Fireplace Installation.**

**929.1 Definitions.** For purposes of this section, the following words and terms shall have the meaning ascribed thereto:

**Fireplace:** A built-in-place masonry hearth and fire chamber or a factory-built appliance, designed to burn solid fuel or to accommodate gas or electric log insert or similar device, and which is intended for occasional recreational or aesthetic use, not for cooking, heating, or industrial processes.

**Solid fuel:** Includes, but is not limited to, wood, coal, or other non-gaseous or non-liquid fuels, including those fuels defined by the Maricopa Air Pollution Officer as "inappropriate fuel" to burn in residential wood burning devices.

**Woodstove:** A solid-fuel burning heating appliance including a pellet stove, which is either freestanding or designed to be inserted into a fireplace.

**929.2 General.** No person, firm, or corporation shall construct or install a fireplace or wood stove, and the Building Official shall not approve or issue a permit to construct or install a fireplace or wood stove, unless the fireplace or wood stove complies with one of the following:

1. A fireplace which has a permanently installed gas or electric log insert.
2. A fireplace, wood stove, or other solid fuel burning appliance which has been certified by the United States Environmental Protection Agency as conforming to 40 Code of Federal Regulations part 60, subpart AAA.
3. A fireplace, wood stove, or other solid fuel burning appliance that has been tested and listed by a nationally recognized testing agency to meet performance standards equivalent to those adopted by 40 Code of Federal Regulations part 60, subpart AAA.
4. A fireplace, wood stove, or other solid fuel burning appliance which has been determined by the Maricopa County Air Pollution Control Officer to meet performance standards equivalent to those adopted by 40 Code of Federal Regulations part 60, subpart AAA, as in effect on July 1, 1990.
5. A fireplace which has a permanently installed wood stove insert which complies with subparagraph 2, 3, or 4 above.

**Exceptions:** The following installations are not regulated and are not prohibited by this section:

Furnaces, boilers, incinerators, kilns, and other similar space heating or industrial process equipment.

Cook stoves, barbecue grills, and similar appliances designed primarily for cooking.

Fire pits, barbecue grills, and other outdoor fireplaces.

**929.3 Fireplace or wood stove installations prohibited.** Fireplaces constructed or installed on or after January 1, 2017, that contain a gas or electric log insert or a wood stove insert, shall not be altered to directly burn wood or any other solid fuel. On or after January 1, 2017, no person, firm, or corporation shall alter a fireplace, wood stove, or other solid-fuel burning appliance in any manner that would void its certification or operational compliance with the provisions of this section.

Fireplaces constructed or installed on or after January 1, 2017, shall not be altered without first obtaining a permit from the City to ensure compliance with this section.