

## Amendments to the 2006 International Mechanical Code

### **Chapter 1 Administration**

#### **Section 102.8, Referenced codes and standards; change to read as follows:**

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 amendments as well. Any reference to NFPA 70 or the ICC *Electrical Code* shall mean the Electrical Code as adopted.

### **Chapter 3 General Regulations**

#### **Section 302.3, Cutting, notching and boring in wood framing; change to read as follows:**

When permitted by the *International Building Code*, the cutting, notching and boring of wood framing members shall comply with Sections 302.3.1 through 302.3.3.

#### **Section 304.6, Private Garages; this section is deleted.**

#### **Section 304.9; change to read as follows:**

304.9 Clearances from grade. Equipment and appliances installed at grade level shall be supported on a level concrete slab or other approved material extending above adjoining grade a minimum of 3 inches (76 mm) or shall be suspended a minimum of 6 inches (152 mm) above adjoining grade.

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

306.3 Appliances in attics. Attics containing appliances requiring access shall be provided with an opening and unobstructed passageway large enough to allow removal of the largest appliance. The passageway shall not be less than 30 inches (762 mm) high and 22 inches (559 mm) wide and not 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 unobstructed solid flooring not less than 22 inches (559 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 a minimum of 20 inches by 30 inches (508 mm by 762 mm), or larger where such dimensions are not 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.
3. An access door from an upper floor level.
4. Access Panel may be used in lieu items 1, 2, and 3 with prior approval of the code official due to structural conditions.

Exception: The passageway and level service space are not required where the appliance is capable of being serviced and removed through the required opening.

**Section 306.5, Equipment and appliances on roofs or elevated structures; is changed to read as follows:**

Where equipment and appliances requiring access are installed on roofs or elevated structures at an aggregate height exceeding 16 feet (4877 mm), such access shall be provided by a permanent approved means of access. Permanent exterior ladders providing roof access need not extend closer than 12 feet (3038 mm) to the finish grade or floor level below and shall extend to the equipment and appliance's level service space. Such access shall not require climbing over obstructions greater than 30 inches (762 mm) high or walking on roofs having a slope greater than 4 units vertical in 12 units horizontal (33-percent slope).

A receptacle outlet shall be provided at or near the equipment and appliance location in accordance with the Electrical Code.

**Add Section 306.6.1, Catwalk; to read as follows:**

On roofs having slopes greater than 4 units vertical in 12 units horizontal, 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 the working platform at the appliance.

**Add Section 306.7, Water heaters above ground or floor; to read as follows:**

When the mezzanine or platform in which a water heater is installed is more than eight 8 feet (2438 mm) above the ground or floor level, it shall be made accessible by a stairway or permanent ladder fastened to the building.

Exception: A max 10 gallon water heater (or larger with approval) is capable of being accessed through a lay-in ceiling and a water heater is installed is not more than ten (10) feet (3048 mm) above the ground or floor level and may be reached with a portable ladder.

306.7.1 Whenever the mezzanine or platform is not adequately lighted or access to a receptacle outlet is not obtainable from the main level, lighting and a receptacle outlet shall be provided in accordance with Section 306.3.1.

**Section 307.2.1, Condensate disposal; is changed to read as follows:**

Condensate from all cooling coils and evaporators shall be conveyed from the drain pan outlet to an approved place of disposal. Condensate shall not discharge in a publicly exposed area such as into a street, alley, sidewalk, rooftop or other areas so as to cause a nuisance.

**Section 307.2.2; change to read 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, polybutylene, polyethylene, ABS, CPVC, or PVC. Schedule 80 PVC pipe or tubing may be installed where piping is exposed to ultra violet light. All components shall be selected for the pressure, temperature, and exposure rating of the installation. Condensate waste and drain line size shall be not less than  $\frac{3}{4}$  - inch (19 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 an approved method. All horizontal sections of drain piping shall be installed in uniform alignment at a uniform slope.

**Section 307.2.3, Auxiliary and secondary drain systems; 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 drain. The overflow drain line shall connect 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.

**Chapter 4 Ventilation**

**Section 401.4, Opening locations; add a second exception to read as follows:**

Exceptions:

1. Group R-3
2. Exhaust outlets for environmental air exhaust openings shall be located not less than 3 feet (914mm) from property lines and not less than 3 feet (914mm) from openings into the building.
3. Toilet room exhaust ducts may terminate in a warehouse or shop area when infiltration of outside air is present.

**Section 403.2, Outdoor air required; add an exception to read as follows:**

Exception: Where the design professional demonstrates that an engineered ventilation system is designed in accordance with ASHRAE 62, the minimum required rate of outdoor air shall be permitted to be as specified in such engineered system design.

**Section 403.2.1, Recirculation of air; add an item #4 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.

**Table 403.3, Ventilation rate; footnote g: changed to read as follows:**

- g. Transfer air permitted in accordance with Section 403.2.2. 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.

**Section 501.2; add a third exception to read as follows:**

Exceptions:

1. {existing exception unchanged}
2. {existing exception unchanged}
3. Toilet room exhaust ducts may terminate in a warehouse or shop area when infiltration of outside air is present.

**Section 504.6, Domestic Clothes Dryer Ducts; add a sentence to read as follows:**

The size of duct shall not be reduced along its developed length nor at the point of termination.

**Section 504.6.1, Maximum length; changed to read as follows:**

The maximum length of a clothes dryer exhaust duct shall not exceed 25 feet (7620 mm) from the dryer location to the outlet terminal. When extra bends are installed, the maximum length of the

duct shall be reduced 2.5 feet (762 mm) for each 45-degree (0.79 rad) bend and 5feet (1524 mm) for each 90-degree (1.6 rad) bend. The maximum length of the exhaust duct does not include the transition duct.

Exception: Where the make and model of the clothes dryer to be installed is known and the manufacturer's installation instructions for such dryer are provided to the code official, the maximum length of the exhaust duct shall not exceed 40 feet, including any transition duct, shall be permitted to be in accordance with the dryer manufacturer's installation instructions, and provided that a 4 inch by 6 inch sign red in color with white letters is permanently affixed to the structure stating the following:

Warning: Dryer must be approved for vent length of at least 40 feet.

40 feet total developed length (TDL.)

Duct Size: (Number)

Total Developed Length: (Number)

***Section 607.5.1, Fire Walls; is changed to read as follows:***

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