

AN ORDINANCE OF THE CITY OF MESQUITE, TEXAS, AMENDING CHAPTER 5 OF THE CODE OF THE CITY OF MESQUITE BY DELETING SECTIONS 5-316 AND 5-317 OF ARTICLE VII IN THEIR ENTIRETY AND ADDING NEW SECTIONS 5-316 AND 5-317 OF ARTICLE VII THEREBY ADOPTING THE INTERNATIONAL MECHANICAL CODE, 2006 EDITION, AND PROVIDING CERTAIN ADDITIONS AND DELETIONS THERETO; PROVIDING FOR A REPEALER CLAUSE; PROVIDING FOR A SEVERABILITY CLAUSE; PROVIDING FOR A PENALTY NOT TO EXCEED TWO THOUSAND (\$2,000.00) DOLLARS FOR EACH OFFENSE; AND DECLARING AN EFFECTIVE DATE.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF MESQUITE, TEXAS:

SECTION 1: That Chapter 5 of the Code of the City of Mesquite, Texas, is hereby amended by deleting Sections 5-316 and 5-317 of Article VII in their entirety and adding new Sections 5-316 and 5-317 of Article VII to read as follows, in all other respects said Code, Chapter and Article to remain in full force and effect:

ARTICLE VII. MECHANICAL CODE

DIVISION 1. GENERALLY

Sec. 5-316. Adopted.

The *International Mechanical Code*, 2006 Edition, a publication of the International Code Council (ICC), is hereby adopted and designated as the official mechanical code of the City of Mesquite to the same extent as if such Code were copied verbatim in this Article subject to the amendments prescribed in this Article. The Code shall be applicable to all construction, alterations, repairs and maintenance of all buildings, structures, materials and equipment related to the building industry in the city. A copy of the *International Mechanical Code*, 2006 Edition, and amendments thereto shall be maintained in the office of the City Secretary as an original document and ordinance of the city.

DIVISION 2. AMENDMENTS

Sec. 5-317. Amendments to the International Mechanical Code, 2006 Edition.

The following amendments are made to the *International Mechanical Code*, 2006 Edition:

- (1) *Chapter 1, Administration.*

- (a) *Section 102.8.* Amend by deleting the section in its entirety and adding a new Section 102.8 to read as follows:

Referenced codes and standards. The codes and standards referenced herein shall be those that are listed in Chapter 15 which have been specifically adopted by the City, and such codes 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 *National Electrical Code* as adopted.

(2) *Chapter 3, General Regulations.*

- (a) *Section 302.3.* Amend by deleting the section in its entirety and adding a new Section 302.3 to read as follows:

Cutting, notching and boring in wood framing. When permitted by the *International Building Code*, the cutting, notching and boring of wood framing members shall comply with Sections 302.3.1 through 302.3.4.

- (b) *Section 304.6.* Amend by deleting the section in its entirety.

- (c) *Section 304.9.* Amend by deleting the section in its entirety and adding a new Section 304.9 to read as follows:

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 three inches (76 mm) or shall be suspended a minimum of six inches (152 mm) above adjoining grade.

- (d) *Section 306.3.* Amend by deleting the section in its entirety and adding a new Section 306.3 to read as follows:

Appliances in attics. Attics containing appliances requiring access shall be provided with an opening and a clear and unobstructed passageway large enough to allow removal of the largest appliance, but not less than 30 inches (762 mm) high and 22 inches (559 mm) wide and not more than 20 feet (6,096 mm) in length when measured along the centerline of the passageway from the opening to the appliance. The passageway shall have continuous

solid flooring in accordance with Chapter 5 not less than 24 inches (610 mm) wide. A level service space at least 30 inches (762 mm) deep and 30 inches (762 mm) wide shall be present along sides of the appliance where access is required. The clear access opening dimensions shall be a minimum of 20 inches (508 mm) by 30 inches (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.

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

- (e) *Section 306.5.* Amend by deleting the section in its entirety and adding a new Section 306.5 to read as follows:

Equipment and appliances on roofs or elevated structures. Where equipment and appliances requiring access are installed on roofs or elevated structures at a height exceeding 16 feet (4,877 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 (3,658 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 four 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 *National Electrical Code* as adopted.

- (f) *Section 306.5.1.* Amend by adding a new Section 306.5.1 to read as follows:

Where appliances, equipment, fans or other components that require service are installed, on roofs having slopes greater than four units vertical in 12 units horizontal, 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 to which access is required for service, maintenance or repair. The platform shall not be less than 30 inches (762 mm) in any dimension and shall be provided with guards. The guards shall extend not less than 42 inches (1,067 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.

- (g) *Section 306.6.* Amend by adding a new Section 306.6 to read as follows:

Water heaters aboveground or floor. When the mezzanine or platform in which a water heater is installed is more than eight feet (2,438 mm) above the ground or floor level, it shall be made accessible by a stairway or permanent ladder fastened to the building.

Exception: A maximum 10-gallon water heater that is capable of being accessed through a lay in ceiling and is installed not more than 10 feet (3,048 mm) above the ground or finished floor and is capable of being reached by a portable ladder.

- (h) *Section 306.6.1.* Amend by adding a new Section 306.6.1 to read as follows:

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.

- (i) *Section 307.2.2.* Amend by deleting the section in its entirety and adding a new Section 307.2.2 to read as follows:

Drain pipe materials and sizes. Components of the condensate disposal system shall be cast iron, galvanized steel, copper, polyethylene, cross-linked polyethylene, ABS, CPVC, PVC or schedule 80 PVC. Pipe or tubing where 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 sizes shall not be less than ¼ 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.

- (j) *Section 307.2.3.* Amend Section 307.2.3 by deleting Item 2 in its entirety and adding a new Item 2 to read as follows:

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 primary line. The overflow drain line shall connect to the drain pan at a higher level than the primary drain line. 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.

(3) *Chapter 4, Ventilation.*

- (a) *Section 403.2.1.* Amend by adding a fifth exception to Section 403.2.1 to read as follows:

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.

- (b) *Table 403.3.* Amend by deleting Footnote “g” for Table 403.3 in its entirety and adding a new Footnote “g” for Table 403.3 to read as follows:

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.

(4) *Chapter 5, Exhaust Systems.*

- (a) *Section 501.3.* Amend by deleting the exception to Section 501.3 in its entirety and adding new exceptions to Section 501.3 to read as follows:

Exceptions:

1. Whole-house, ventilation-type attic fans that discharge into the attic space of dwelling units having private attics shall not be prohibited.
2. Commercial cooking recirculating systems.

3. Toilet room exhaust ducts may terminate in a warehouse or shop area when infiltration of outside air is present.

- (b) *Section 504.6.* Amend by adding a sentence to the end of the first paragraph in Section 504.6 to read as follows:

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

- (c) *Section 504.6.1.* Amend by deleting the first paragraph in the section in its entirety and adding a new first paragraph to Section 504.6.1 to read as follows:

Maximum length. The maximum length of a clothes dryer exhaust duct shall not exceed 25 feet (7,620 mm) from the dryer location to the outlet terminal with not more than two bends. When extra bends are installed, the maximum length of the duct shall be reduced 2 ½ feet (762 mm) for each 45-degree (0.79 rad) bend and five feet (1,524 mm) for each 90-degree (1.6 rad) bend that occurs after the first two bends, measuring in the direction of airflow. The maximum length of the exhaust duct does not include the transition duct.

- (5) *Chapter 6, Duct Systems.*

- (a) *Section 607.5.1.* Amend by deleting the section in its entirety and adding a new Section 607.5.1 to read as follows:

Fire walls. Ducts and transfer openings permitted in fire walls in accordance with Section 705.11 of the *International Building Code* shall be protected with approved fire dampers installed in accordance with their listing. Hazardous exhaust ducts shall not penetrate fire walls.

SECTION 2. That all ordinances or portions thereof in conflict with the provisions of this ordinance, to the extent of such conflict, are hereby repealed. To the extent that such ordinances or portions thereof are not in conflict herewith, the same shall remain in full force and effect.

SECTION 3. That should any word, sentence, clause, paragraph or provision of this ordinance be held to be invalid or unconstitutional, the validity of the remaining provisions of this ordinance shall not be affected and shall remain in full force and effect.

SECTION 4. That any person, firm or corporation violating any of the provisions or terms of this ordinance shall be deemed to be guilty of a Class C Misdemeanor and

upon conviction in the Municipal Court shall be punished by a fine not to exceed Two Thousand (\$2,000.00) Dollars for each offense.

SECTION 5. That this ordinance shall take effect on April 16, 2008.

DULY PASSED AND APPROVED by the City Council of the City of Mesquite, Texas, on the 17th day of March, 2008.



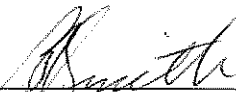
John Monaco
Mayor

ATTEST:



Judy Womack
City Secretary

APPROVED:



B. J. Smith
City Attorney