

ORDINANCE NO. 2016-3-10

An Ordinance of the City of Plano, Texas, repealing in its entirety City of Plano Ordinance No. 2013-10-26, codified as Division 2, Plumbing Code, of Article VIII, Plumbing and Mechanical Equipment, of Chapter 6 of the Code of Ordinances; and adopting the 2015 Edition of the International Plumbing Code, with certain additions, deletions and amendments, as the Plumbing Code of the City of Plano; and providing a repealer clause, a severability clause, a savings clause, a penalty clause, a publication clause and an effective date.

WHEREAS, on October 28, 2013, by Ordinance No. 2013-10-26, the City Council of the City of Plano established a Plumbing Code and provided regulations thereunder, and such Ordinances were codified as Division 2, Plumbing Code, of Article VIII, Plumbing and Mechanical Equipment, of Chapter 6 of the Code of Ordinances of the City of Plano (“City”); and

WHEREAS, on September 15, 2015, the Building Standards Commission held a public hearing to discuss the adoption of the 2015 Edition of the International Plumbing Code, a publication of the International Code Council (I.C.C.), and to receive input from the general public and all persons who may be affected by the proposed adoption; and

WHEREAS, upon recommendation of the Building Standards Commission and upon full review and consideration of all matters attendant and related thereto, the City Council is of the opinion that the 2015 Edition of the International Plumbing Code, and the additions, deletions, and amendments thereto, should be approved and adopted as the Plumbing Code of the City.

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

Section I. Ordinance No. 2013-10-26, duly passed and approved by the city Council of the City of Plano on October 28, 2013 is hereby repealed in its entirety.

Section II. A new Division 2, Plumbing Code, of Article VIII, Plumbing and Mechanical Equipment, of Chapter 6 of the Code of Ordinances is hereby adopted and shall read in its entirety as follows:

“DIVISION 2. PLUMBING CODE

Section 6-236.Penalty.

- (a) Any violation of the provisions or terms of this ordinance by any person, firm or corporation shall be a misdemeanor offense and shall be subject to a fine in accordance with Section 1-4(a) of the City Code of Ordinances for each offense. Every day a violation continues shall constitute a separate offense.

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(b) Civil. The City may file a civil action for enforcement of this Division with civil penalties up to \$1,000.00 per day for each offense as authorized by Subchapter B of Chapter 54 of the Texas Local Government Code, as amended.

Section 6-237. Adopted.

The 2015 Edition of the International Plumbing Code a publication of the International Code Council (I.C.C.), along with the appendices of such Code is hereby adopted and designated as the Plumbing Code of the City, to the same extent as if such code were copied verbatim in this Section, subject to the deletions, additions and amendments prescribed in this Division. A copy of the 2015 Edition of the International Plumbing Code is on file in the office of the City Secretary.

Section 6-238. Administrative authority.

For purposes of this Division and interpreting the Code adopted in this Division, the term “Administrative Authority” shall mean the Building Official of the City, and his agents and employees who are hereby empowered with the authority to administer and enforce the provisions of this Division and the Plumbing Code.

Section 6-239. Deletions, Additions, Amendments.

The following deletions, additions, and amendments to the International Plumbing Code adopted in this Division are hereby approved and adopted:

Table of Contents, Chapter 7, Section 714; change to read as follows:

714 Engineered Drainage Design 69

Section 102.8; change to read as follows:

102.8 Referenced codes and standards. The codes and standards referenced in this code shall be those that are listed in Chapter 15 and such codes, when specifically adopted, and standards shall be considered as part of the requirements of this code to the prescribed extent of each such reference. Where the differences occur between provisions of this code and the referenced standards, the provisions of this code shall be the minimum requirements. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the adopted amendments. Any reference to NFPA 70 or the National Electrical Code (NEC) shall mean the Electrical Code as adopted.

Sections 106.6.2 and 106.6.3; change to read as follows:

106.6.2 Fee schedule. The fees for all plumbing work shall be as adopted by resolution of the City of Plano.

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106.6.3 Fee Refunds. The code official shall establish a policy for authorizing the refunding of fees.

Section 108.4 Violation penalties; *are deleted in their entirety*

Section 108.5 Stop work orders; *is amended to delete the last sentence.*

Section 108.7.1 Authority to condemn equipment; *the following sentence of paragraph two is deleted:*

When such plumbing is to be disconnected, written notice as prescribed in Section 108.2 shall be given.

Section 109; *delete entire section and insert the following:*

109.1 Application for appeal. Any person shall have the right to appeal a decision of the code official to the Building Standards Commission as established by ordinance. The board shall be governed by the enabling ordinance.

109.2 Membership of Board through 109.7 Court Review; *are deleted in their entirety.*

Section 305.4.1; *change to read as follows:*

305.4.1 Sewer depth. Building sewers shall be a minimum of 12 inches (304 mm) below grade.

Section 305.7; *change to read as follows:*

305.7 Protection of components of plumbing system. Components of a plumbing system installed within three (3) feet along alleyways, driveways, parking garages or other locations in a manner in which they could be exposed to damage shall be recessed into the wall or otherwise protected in an approved manner.

Section 314.2.1; *change to read as follows:*

314.2.1 Condensate disposal. Condensate from all cooling coils and evaporators shall be conveyed from the drain pan outlet to an approved place of disposal. *{language unchanged}* Condensate shall not discharge into a street, alley, sidewalk, rooftop, or other areas so as to cause a nuisance.

Section 314.2.2; *change to read as follows:*

314.2.2 Drain pipe materials and sizes. Components of the condensate disposal system shall be cast iron, galvanized steel, copper, cross-linked polyethylene, polyethylene, ABS, CPVC, or schedule 80 PVE pipe or tubing when exposed to ultra violet light. All components shall be selected for the pressure, temperature and exposure rating of the

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installation. Joints and connections shall be made in accordance with the applicable provisions of chapter 7 relative to the material type. Condensate waste and drain line size shall not be less than ¾ 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 314.2.2. All horizontal sections or drain piping shall be installed in uniform alignment at a uniform slope.

Table 403.1; *add footnote f*

f. Drinking fountains are not required in M Occupancies with an occupant load of 100 or less, B Occupancies with an occupant load of 25 or less, and for dining and/or drinking establishments.

Section 412.4; *change to read as follows:*

412.4 Required location for floor drains. Floor drains shall be installed in the following areas.

1. In public coin-operated laundries and in the central washing facilities of multiple family dwellings, the rooms containing automatic clothes washers shall be provided with floor drains located to readily drain the entire floor area. Such drains shall have a minimum outlet of not less than 3 inches (76 mm) in diameter.
2. Commercial kitchens. In lieu of floor drains in commercial kitchens, the code official may accept floor sinks.
3. Public restrooms.

Section 419.3; *change to read as follows:*

419.3 Surrounding material. Wall and floor space to a point 2 feet (610 mm) in front of a urinal lip and 4 feet (1219 mm) above the floor and at least 2 feet (610 mm) to each side of the urinal shall be waterproofed with a smooth, readily cleanable, hard, nonabsorbent material.

Section 502.3; *change to read as follows:*

502.3 Appliances in attics. Attics containing a water heater shall be provided . . . {bulk of paragraph unchanged} . . . side of the water heater. 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 less than 20 inches by 30 inches(508mm by 762mm) where such dimensions are large enough to allow removal of the water heater. A walkway to an appliance shall be rated as a floor as approved by the building official. As a minimum, for access to the attic space, provide one of the following:

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1. A permanent stair.
2. A pull down stair with a minimum 300 lb (136 kg) capacity.
3. An access door from an upper floor level.
4. Access Panel may be used in lieu of items 1, 2, and 3 with prior approval of the code official due to building conditions.

Exceptions: The passageway and level service space are not required where the appliance is capable of being serviced and removed... *{remainder of section unchanged}*

Section 502.6; *add Section 502.6 to read as follows:*

502.6 Water heaters above ground or floor. When the attic, roof, 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 maximum 10 gallon water heater (or larger with approval) is capable of being accessed through a lay-in ceiling and is installed not more than ten (10) feet (3048 mm) above the ground or floor level and is reachable with a portable ladder.

Section 504.6; *change to read as follows:*

504.6 Requirements for discharge piping. The discharge piping serving a pressure relief valve, temperature relief valve or combination thereof shall:

1. Not be directly connected to the drainage system.
2. Discharge through an air gap.
3. Not be smaller than the diameter of the outlet of the valve served and shall discharge full size to the air gap.
4. Serve a single relief device and shall not connect to piping serving any other relief device or equipment.

Exception: Multiple relief devices may be installed to a single T & P discharge piping system when approved by the administrative authority and permitted by the manufacture's installation instructions and installed per those instructions.

5. Discharge to an indirect waste receptor or to the outdoors.
6. Discharge in a manner that does not cause personal injury or structural damage.
7. Discharge to a termination point that is readily observable by the building occupants.
8. Not be trapped.
9. Be installed so as to flow by gravity.
10. Terminate not more than 6 inches above and not less than two times the discharge pipe diameter above the floor or flood level rim of the waste receptor.

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11. Not have a threaded connection at the end of such piping.
12. Not have valves or tee fittings.
13. Be constructed of those materials listed in Section 605.4 or materials tested, rated and approved for such use in accordance with ASME A112.4.1.

Section 504.7.1; *change to read as follows:*

Section 504.7.1 Pan size and drain: The pan shall be not less than 1 ½ inches (38 mm) in depth and shall be of sufficient size and shape to receive all dripping or condensate from the tank or water heater. The pan shall be drained by an indirect waste pipe having a diameter of not less than ¾ inch (19 mm). Piping for safety pan drains shall be of those materials listed in Table 605.4. Multiple pan drains may terminate to a single discharge piping system when approved by the administrative authority and permitted by the manufactures installation instructions and installed per those instructions. *{remainder of section unchanged}*

Section 604.4; *add Section 604.4.1 to read as follows:*

604.4.1 State maximum flow rate. Where the State mandated maximum flow rate is more restrictive than those of this section, the State flow rate shall take precedence.

Section 605; *delete PVC from table 605.3.*

Section 606.1; *delete items #4 and #5.*

Section 606.2 Location of shutoff valves; *change to read as follows:*

606.2 Location of shutoff valves. Shutoff valves shall be installed in the following locations:

1. On the fixture supply to each plumbing fixture other than bathtubs and showers in one and two family residential occupancies, and other than in individual sleeping units that are provided with unit shutoff valves in hotels, motels, boarding houses and similar occupancies.
2. On the water supply pipe to each appliance or mechanical equipment.

Section 608.1; *change to read as follows:*

608.1 General. A potable water supply system shall be designed, installed and maintained in such a manner so as to prevent contamination from non-potable liquids, solids or gases being introduced into the potable water supply through cross-connections or any other piping connections to the system. Backflow preventer applications shall conform to applicable local regulations, Table 608.1, and as specifically stated in Sections 608.2 through 608.16.10.

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Section 608.16.5; *change to read as follows:*

608.16.5 Connections to lawn irrigation systems. The potable water supply to lawn irrigation systems shall be protected against backflow by an atmospheric-type vacuum breaker, a pressure-type vacuum breaker, a double-check assembly or a reduced pressure principle backflow preventer. A valve shall not be installed downstream from an atmospheric vacuum breaker. Where chemicals are introduced into the system, the potable water supply shall be protected against backflow by a reduced pressure principle backflow preventer.

Section 608.17; *change to read as follows:*

608.17 Protection of individual water supplies. An individual water supply shall be located and constructed so as to be safeguarded against contamination in accordance with applicable local regulations. Installation shall be in accordance with Sections 608.17.1 through 608.17.8.

Section 610.1; *add exception to read as follows:*

610.1 General. New or repaired potable water systems shall be purged of deleterious matter and disinfected prior to utilization. The method to be followed shall be that prescribed by the health authority or water purveyor having jurisdiction or, in the absence of a prescribed method, the procedure described in either AWWA C651 or AWWA C652, or as described in this section. This requirement shall apply to “on-site” or “in-plant” fabrication of a system or to a modular portion of a system.

1. The pipe system shall be flushed with clean, potable water until dirty water does not appear at the points of outlet.
2. The system or part thereof shall be filled with a water/chlorine solution containing at least 50 parts per million (50 mg/L) of chlorine, and the system or part thereof shall be valved off and allowed to stand for 24 hours; or the system or part thereof shall be filled with a water/chlorine solution containing at least 200 parts per million (200 mg/L) of chlorine and allowed to stand for 3 hours.
3. Following the required standing time, the system shall be flushed with clean potable water until the chlorine is purged from the system.
4. The procedure shall be repeated where shown by a bacteriological examination that contamination remains present in the system.

Exception: With prior approval the code official may wave this requirement when deemed un-necessary.

Section 703.6; *Delete*

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Section 704.5; *added to read as follows:*

704.5 Single stack fittings. Single stack fittings with internal baffle, PVC schedule 40 or cast iron single stack shall be designed by a registered engineer and comply to a national recognized standard.

Section 705.11.2; *change to read as follows:*

705.11.2 Solvent cementing. Joint surfaces shall be clean and free from moisture. A purple primer that conforms to ASTM F 656 shall be applied. Solvent cement not purple in color and conforming to ASTM D2564, CSA B137.3, CSA B181.2 or CSA B182.1 shall be applied to all joint surfaces. The joint shall be made while the cement is wet and shall be in accordance with ASTM D 2855. Solvent cement joints shall be permitted above or below ground.

Section 712.5; *add Section 712.5 to read as follows:*

712.5 Dual Pump System. All sumps shall be automatically discharged and, when in any “public use” occupancy where the sump serves more than 10 fixture units, shall be provided with dual pumps or ejectors arranged to function independently in case of overload or mechanical failure. For storm drainage sumps and pumping systems, see Section 1113.

Section 714; *change to read as follows:*

SECTION 714 ENGINEERED DRAINAGE DESIGN

Section 714.1; *change to read as follows:*

714.1 Design of drainage system. The sizing, design and layout of the drainage system shall be designed by a registered engineer using approved design methods.

Section 804.2; *added to read as follows:*

804.2 Special waste pipe, fittings, and components. Pipes, fittings, and components receiving or intended to receive the discharge of any fixture into which acid or corrosive chemicals are placed shall be constructed of CPVC, high silicone iron, PP, PVDF, chemical resistant glass, or glazed ceramic materials.

Section 903.1; *change to read as follows:*

903.1 Roof extension. Open vent pipes that extend through a roof shall terminate not less than six (6) inches (152 mm) above the roof. Where a roof is to be used for assembly or as a promenade, observation deck, sunbathing deck or similar purposes, open vent pipes shall terminate not less than 7 feet (2134mm) above the roof.

Section 917 Single stack vent system. *Delete entire section.*

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Section 1002.10; *delete.*

Section 1101.8; *change to read as follows:*

1101.8 Cleanouts required. Cleanouts or manholes shall be installed in the storm drainage system and shall comply with the provisions of this code for sanitary drainage pipe cleanouts.

Section 1106.1; *change to read as follows:*

1106.1 General. The size of the vertical conductors and leaders, building storm drains, building storm sewers, and any horizontal branches of such drains or sewers shall be based on six (6) inches per hour rainfall rate

Section 1108.3; *change to read as follows:*

1108.3 Sizing of secondary drains. Secondary (emergency) roof drain systems shall be sized in accordance with Section 1106. Scuppers shall be sized to prevent the depth of ponding water from exceeding that for which the roof was designed as determined by Section 1101.7. Scuppers shall not have an opening dimension of less than 4 inches (102 mm). The flow through the primary system shall not be considered when sizing the secondary roof drain system.

Section 1109; *delete this section.*

Section 1202.1; *delete Exception 2."*

Section III. All provisions of the Code of Ordinances of the City of Plano in conflict with the provisions of this Ordinance are hereby repealed, and all other provisions of the Code of Ordinances of the City of Plano, not in conflict with the provisions of this Ordinance, shall remain in full force and effect.

Section IV. It is the intention of the City Council that this Ordinance, and every provision thereof, shall be considered severable, and the invalidity or unconstitutionality of any section, clause, provision or portion of this Ordinance shall not affect the validity or constitutionality of any other portion of this Ordinance.

Section V. The repeal of any Ordinance or part of Ordinances effectuated by the enactment of this Ordinance shall not be construed as abandoning any action now pending under or by virtue of such Ordinance or as discontinuing, abating, modifying or altering any penalty accruing or to accrue, or as affecting any rights of the municipality under any section or provision of any Ordinances at the time of passage of this Ordinance.

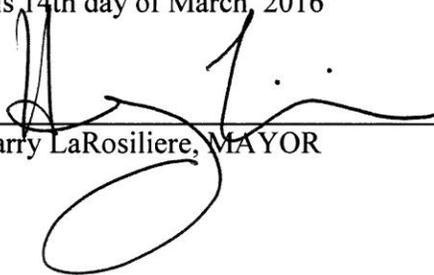
Section VI. Any violation of the provisions or terms of this ordinance by any person, firm or corporation shall be a misdemeanor offense and shall be subject to a fine in

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accordance with Section 1-4(a) of the City Code of Ordinances for each offense. Every day a violation continues shall constitute a separate offense.

Section VII. This Ordinance shall become effective April 1, 2016, and after its passage and publication as required by law.

DULY PASSED AND APPROVED this 14th day of March, 2016



Harry LaRosiliere, MAYOR

ATTEST:



Lisa C. Henderson, CITY SECRETARY

APPROVED AS TO FORM:



Paige Mims, CITY ATTORNEY