ORDINANCE NO. 2015-199


WHEREAS, the City of Denton, Texas ("City"), as a home-rule municipality, is permitted to enact certain rules and regulations to provide for the general health, safety, and welfare of its citizens; and

WHEREAS, pursuant to Texas Local Government Code Sec. 214.211, the City desires to adopt the latest versions of the International Building Code, International Residential Code for one and two family dwellings with Appendix G, the International Plumbing Code, the International Mechanical Code, and the International Fuel Gas Code, all published by the International Code Council in 2012; and

WHEREAS, the City desires to adopt local amendments to such international codes and to amend the Denton Code of Ordinances accordingly; NOW THEREFORE,

THE COUNCIL OF THE CITY OF DENTON HEREBY ORDAINS:

SECTION 1. The findings and recitations contained in the preamble of this ordinance are incorporated herein by reference.

SECTION 2. The International Building Code, 2012 Edition, is hereby adopted and Section 28-27 of the Code of Ordinances of the City of Denton is hereby amended as underlined and to read as follows:

"Sec. 28-27. Adoption of the building code.

The International Building Code, 2012 Edition, as published by the International Code Council, a copy of which shall be filed in the Office of the City Secretary and available for public inspection, is hereby adopted and designated as the building code for other than 1 & 2 family dwellings for the city, the same as though the edition of such code were copied at length herein subject to the deletions and amendments enumerated in section 28-28."

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SECTION 3. The City hereby adopts local amendments to the International Building Code, 2012 Edition, and Section 28-28 of the Code of Ordinances of the City of Denton, Texas is hereby amended as underlined and to read as follows:

"Sec. 28-28   Deletions and Amendments:

Amendments to the 2012 International Building Code

(1) Section 101.4; change to read as follows:

101.4 Referenced codes. The other codes listed in Sections 101.4.1 through 101.4.6 and referenced elsewhere in this code, when specifically adopted, shall be considered part of the requirements of this code to the prescribed extent of each such reference. 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 Electrical Code shall mean the Electrical Code as adopted.

(2) Section 101.4.7; add the following:

101.4.7 Electrical. The provisions of the Electrical Code shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings and appurtenances thereto.

(3) Section 103 amend to insert the Department Name as follows:

SECTION 103
Building Inspections Division of the City of Denton

(4) Section 103.1 changed to read as follows:

Creation of enforcement agency. The Building Inspections Division of the City of Denton is hereby created and the official in charge thereof shall be known as the Building Official.

(5) Section 105.2 under the sub-title entitled “Building” delete items 1, 2, 10 and 11 and re-number as follows:

Building:
1. ... provided the floor area does not exceed 120-square feet (11 m²).
2. Delete this exemption.
3. (Unchanged)
4. (Unchanged)
5. (Unchanged)
6. (Unchanged)
7. (Unchanged)
8. (Unchanged)
9. (Unchanged)
10. Delete this exemption.
11. (Unchanged)
12. (Unchanged)
13. (Unchanged)

(6) Section 109; add Section 109.7 to read as follows:

109.7 Re-inspection Fee. A fee as established by city council resolution may be charged when:

1. The inspection called for is not ready when the inspector arrives;
2. No building address or permit card is clearly posted;
3. City approved plans are not on the job site available to the inspector;
4. The building is locked or work otherwise not available for inspection when called;
5. The job site is red-tagged twice for the same item;
6. The original red tag has been removed from the job site.
7. Failure to maintain erosion control, trash control or tree protection.

Any re-inspection fees assessed shall be paid before the final inspection is made on that job site.

(7) Section 109; add Section 109.8, 109.8.1, 109.8.2 and 109.9 to read as follows:

109.8 Work without a permit.

109.8.1 Investigation. Whenever work for which a permit is required by this code has been commenced without first obtaining a permit, a special investigation shall be made before a permit may be issued for such work.

109.8.2 Fee. An investigation fee, in addition to the permit fee, shall be collected whether or not a permit is subsequently issued. The investigation fee shall be equal to the amount of the permit fee required by this code or the city fee schedule as applicable. The payment of such investigation fee shall not exempt the applicant from compliance with all other provisions of either this code or the technical codes nor from penalty prescribed by law.

109.9 Unauthorized cover up fee. Any work concealed without first obtaining the required inspection in violation of Section 110 shall be assessed a fee as established by the city fee schedule. This fee shall be in addition to any citations issued as a result of work being concealed without proper inspections.
(8) Section 110.3.5 is amended to delete the exception

(9) Section 202; amend the following definitions as underlined and to read as follows:

**AMBULATORY CARE FACILITY.** Buildings or portions thereof used to provide medical, surgical, psychiatric, nursing or similar care on a less than 24-hour basis to individuals who are rendered incapable of self-preservation by the services provided. This group may include but not be limited to the following:
- Dialysis centers
- Sedation dentistry
- Surgery centers
- Colonic centers
- Psychiatric centers

**FIRE WATCH.** A temporary measure intended to ensure continuous and systematic surveillance of a building or portion thereof by one or more qualified individuals or standby personnel when required by the fire code official, for the purposes of identifying and controlling fire hazards, detecting early signs of unwanted fire, raising an alarm of fire and notifying the fire department.

**ASSISTED LIVING FACILITIES.** A building or part thereof housing persons, on a 24-hour basis, who because of age, mental disability or other reasons, live in a supervised residential environment which provides personal care services. The occupants are capable of responding to an emergency situation without physical assistance from staff.

**ATRIUM.** An opening connecting three or more stories other than enclosed stairways, elevators, hoistways, escalators, plumbing, electrical, air-conditioning or other equipment, which is closed at the top and not defined as a mall. Stories, as used in this definition, do not include balconies within assembly groups or mezzanines that comply with Section 505.

**HIGH-RISE BUILDING.** A building with an occupied floor located more than 55 feet (16,764 mm) above the lowest level of fire department vehicle access.

(10) Section 303.1.3; add a sentence to read as follows:

303.1.3 Associated with Group E occupancies. A room or space used for assembly purposes that is associated with a Group E occupancy is not considered a separate occupancy except when applying the assembly requirements of Chapter 10 and 11.

(11) Section 304.1; add the following to the list of occupancies:

Fire stations
Police stations with detention facilities for 5 or fewer detainees

(12) Section 307.1; add the following sentence to Exception 4:
4. Cleaning establishments... \{text unchanged\} ... with Section 707 or 1-hour horizontal assemblies constructed in accordance with Section 711 or both. See also IFC Chapter 12, Dry Cleaning Plant provisions.

(13) **Section 310.1; amend second paragraph under R-3 as follows:**

Adult care and child care facilities with 5 or fewer unrelated persons that are within a single-family home are permitted to comply with the *International Residential Code*.

(14) **Section 404.5 is amended to delete the exception.**

(15) **Section 406.3.2; add item 3 to read as follows:**

3. A separation is not required between a Group R-2 and U carport provided that the carport is entirely open on all sides and that the distance between the two is at least 10 feet (3048 mm).

(16) **Section 406.8; add a second paragraph to read as follows:**

This occupancy shall also excludes garages involved in minor repair, modification and servicing of motor vehicles for items such as lube changes, inspections, windshield repair or replacement, shocks, minor part replacement and other such minor repairs.

(17) **Section 712.1.8, change item 5 to read as follows:**

5. Is not open to a corridor in Group I and H occupancies.

(18) **Section 713.14.1 Elevator Lobby. Exceptions: 4.3 change to read as follows:**

Elevators serving floor levels over 55 feet (16 764 mm) above the lowest level of fire department vehicle access in high rise buildings.

(19) **Chapter 9; change International Fire Code to replace with the 2012 International Fire Code as amended by the City of Denton, except for Sections 909 and 910.**

(20) **Section 910.1; change Exception 2 to read as follows:**

[F] 2. Where areas of buildings are equipped with early suppression fast-response (ESFR) sprinklers, only manual smoke and heat vents shall be required within these areas. Automatic smoke and heat vents are prohibited.

(21) **Section 910.2 where required to read as follows:**

[F] {Text unchanged}...... Sections 910.2.1 through 910.2.4

(22) **Add Section 910.2.3 with exceptions to read as follows:**
[F] 910.2.3 Group H. Buildings and portions thereof used as a Group H occupancy as follows:

1. In occupancies classified as Group H-2 or H-3, any of which are more than 15,000 square feet (1394 m²) in single floor area.

   **Exception:** Buildings of noncombustible construction containing only noncombustible materials.

2. In areas of buildings in Group H used for storing Class 2, 3, and 4 liquid and solid oxidizers, Class 1 and unclassified detonable organic peroxides, Class 3 and 4 unstable (reactive) materials, or Class 2 or 3 water-reactive materials as required for a high-hazard commodity classification.

   **Exception:** Buildings of noncombustible construction containing only noncombustible materials.

(23) **Add subsections 910.2.4 to read as follows:**

[F] 910.2.4 Exit access travel distance increase. Buildings and portions thereof used as a Group F-1 or S-1 occupancy where the maximum exit access travel distance is increased in accordance with Section 1016.2.2.

(24) **Table 910.3; Change the title of the first row of the table from “Group F-1 and S-1” to include “Group H” and to read as follows:**

Group H, F-1 and S-1

(25) **Section 1007.1; add the following Exception 4:**

Exceptions:

{previous exceptions unchanged}

4. Buildings regulated under State Law and built in accordance with State registered plans, including any variances or waivers granted by the State, shall be deemed to be in compliance with the requirements of Section 1007.

(26) **Section 1007.5; Platform lifts, amend to read as follows:**

1007.5 Platform lifts. Platform (wheelchair) lifts . . . required accessible route in Section 1109.7.8, Items 1 through 9.10. Standby power . . {remainder unchanged}

(27) **Section 1008.1; add the following paragraphs to read as follows:**

1008.1 Doors.

(Previous text unchanged)
Exterior door openings more than 30 inches from the top of the threshold to the surface or ground on the exterior side of the door, that are not part of a means of egress, shall be protected by an engineered guard designed for a live load equal to the occupancy served.

The means of attachment of the guard to the structure shall be designed and stamped by a registered professional engineer. The design of the guard shall meet or exceed the minimum requirements of sections 1013.2 and 2308.12.7 of this code; otherwise the exterior operating door shall be fixed in a closed position with all operating hardware removed.

(28) **Section 1008.1.4.4; add changes to read as follows:**

1008.1.4.4 Access-controlled egress doors. The entrance doors in a means of egress in buildings... {text unchanged} ... R-1 and R-2 shall allow for free egress at all times without the use of keys, special knowledge, or effort. {delete rest of section}.

(29) **Section 1008.1.9.4; amend exceptions 3 and 4 as follows:**

Where a pair of doors serves an occupant load of less than 50 persons in a Group B, F, M or S occupancy. {Remainder unchanged}.

4. Where a pair of doors serves a Group A, B, F, M or S occupancy. {Remainder unchanged}

(30) **Section 1008.1.9.9; Previous text unchanged; Delete exceptions 4 & 5. {Remainder of section unchanged}**

(31) **Section 1008.1.9.3; Locks and Latches; add condition as follows:**

1008.1.9.3, Locks and latches. Locks and latches shall... {text unchanged} ... any of the following exists:

{text of conditions 1 through 3 unchanged}

3.1 Where egress doors are used in pairs and positive latching is required, approved automatic flush bolts may be permitted, provided that both leaves achieve positive latching regardless of the closing sequence and the door leaf having the automatic flush bolts has no doorknobs or surface mounted hardware. {text of conditions 4 and 5 unchanged}

(32) **Section 1008.1.9.9; change to read as follows:**

1008.1.9.9 Electromagnetically locked egress doors. Doors in the means of egress in buildings with an occupancy in Group A, B, E, I-1, I-2, M, R-1 or R-2 and doors to tenant spaces in Group A, B, E, I-1, I-2, M, R-1 or R-2 shall be permitted to be electromagnetically locked if equipped with listed hardware that incorporates a built-in switch and meet the requirements below. {remaining text unchanged}

(33) **Section 1015; add new section 1015.7 to read as follows:**
1015.7 Electrical Rooms. For electrical rooms, special exiting requirements may apply. Reference the electrical code as adopted.

(34) Section 1016; add new section 1016.2.2 to read as follows:

1016.2.2 Group F-1 and S-1 increase. The maximum exit access travel distance shall be 400 feet (122 m) in Group F-1 or S-1 occupancies where all of the following are met:

1. The portion of the building classified as Group F-1 or S-1 is limited to one story in height;
2. The minimum height from the finished floor to the bottom of the ceiling or roof slab or deck is 24 feet (7315 mm); and
3. The building is equipped throughout with an automatic fire sprinkler system in accordance with Section 903.3.1.1.

(35) Section 1018.1; add exception 6 to read as follows:

{previous text unchanged}

6. In Group B office buildings, corridor walls and ceilings within single tenant spaces need not be of fire-resistive construction when the tenant space corridor is provided with system smoke detectors tied to an approved automatic fire alarm. The actuation of any detector shall activate alarms audible in all areas served by the corridor.

(36) Section 1026.6; amend exception 4 to read as follows:

Exceptions: {Exceptions 1 through 3 unchanged}

4. Separation from the open-ended corridors of the building... {remaining text unchanged}

(37) Section 1028.1.1.1; delete.

(38) Section 1029.1; amend to read as follows:

1029.1 General. In addition to the means of egress required by this chapter, provisions shall be made for emergency escape and rescue openings in Group R and I-1 Group R-2 occupancies in accordance with Tables 1021.2(1) and 1021.2(2) and Group R-3 occupancies. {Remainder unchanged}

Exceptions: {Exceptions 1 through 3 unchanged}

4. In other than Group R-3 occupancies, buildings equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2.

(39) Section 1101.2; Add exception to read as follows:

Exceptions: Projects registered with the Architectural Barriers Division of the Texas Department of Licensing and Regulation shall be deemed to be in compliance with the requirements of this Chapter.
(40) Section 1203.1; amend to read as follows:

1203.1 General. Buildings shall be provided with natural ventilation in accordance with Section 1203.4, or mechanical ventilation in accordance with the International Mechanical Code.

Where air infiltration rate in a dwelling unit is 5 air changes or less per hour when tested with a blower door at a pressure 0.2 inch w.c. (50 Pa) in accordance with Section 402.4.1.2 of the International Energy Conservation Code, the dwelling unit shall be ventilated by mechanical means in accordance with Section 403 of the International Mechanical Code.

(41) Table 1505.1; delete footnote c and replace footnote b with the following:

b. Non-classified roof coverings shall be permitted on buildings of U occupancies having not more than 120 sq. ft. of protected roof area. When exceeding 120 sq. ft. of protected roof area, buildings of U occupancies may use non-rated non-combustible roof coverings.

c. [delete]

(42) Section 1505.7; delete the section

(43) Section 1510.1; add a sentence to read as follows:

1510.1 General. Materials and methods of applications used for recovering or replacing an existing roof covering shall comply with the requirements of Chapter 15. All individual replacement shingles or shakes shall be in compliance with the rating required by Table 1505.1.

text of exception unchanged}

(44) Section 2901.1; add a sentence to read as follows:

[P] 2901.1 Scope. (existing text to remain) The provisions of this Chapter are meant to work in coordination with the provisions of Chapter 4 of the International Plumbing Code. Should any conflicts arise between the two chapters, the Building Official shall determine which provision applies.

(45) Table 2902.1; change footnote f to read as follows:

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.

(46) Section 3006.1; change to read as follows:

3006.1, General. Elevator machine rooms shall be provided. {Remainder unchanged.}

(47) Section 3006.4; add a sentence to read as follows and delete exceptions 1 and 2:
3006.5. Machine Rooms and Machinery Spaces: {text unchanged}... Storage shall not be allowed within the elevator machine room. Provide approved signage at each entry door to the elevator machine room stating "Elevator Machinery – No Storage Allowed."

(48) Section 3109.1; change to read as follows:

3109.1 General. Swimming pools shall comply with the requirements of sections 3109.2 through 3109.5 and other applicable sections of this code and comply with applicable state laws.

(49) Section 3401.5 Alternative Compliance. Work performed in accordance with the International Existing Building Code shall be deemed to comply with the provisions of this chapter with prior approval from the Building Official.

(50) Section 3401.6 Dangerous Conditions. {Remainder unchanged}”

SECTION 4. The International Residential Code with Appendix G, 2012 Edition, is hereby adopted, and Section 28-33 of the Denton Code of Ordinances is hereby amended as underlined and reads as follows:

"Sec. 28-33. Adoption of the residential code.

The International Residential Code with Appendix G, 2012 Edition as published by the International Code Council, a copy of which shall be filed in the Office of the City Secretary and available for public inspection, is hereby adopted and designated as the residential code for one and two family dwellings for the city, the same as though the edition of such code were copied at length herein subject to the deletions and amendments enumerated in section 28-34."

SECTION 5. The City hereby adopts local amendments to the International Residential Code with Appendix G, 2012 Edition, and Section 28-34 of the Code of Ordinances of the City of Denton, Texas is hereby amended as underlined to read as follows:

"28-34. Deletions and Amendments:

Amendments to the 2012 International Residential Code

(1) Section R101.1; Insert as follows:

R101.1 Title. These regulations shall be known as the Residential Code for One- and Two-family Dwellings of the City of Denton hereinafter referred to as "this code."

(2) Section R102.4; change to read as follows:

R102.4 Referenced codes and standards. The codes, when specifically adopted, and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference and as further regulated in Sections R102.4.1 and R102.4.2. 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 made to NFPA 70 or the Electrical
Code shall mean the Electrical Code as adopted.

(3) *Section R105.2; make changes to this section as follows:*

**R105.2 Work exempt from permits.**
No changes in first paragraph.

**Building:**
1. ...provided the floor area does not exceed 120 square feet...
2. Delete this exemption
3. No changes
4. No changes
5. No changes
6. No changes
7. No changes
8. No changes
9. No changes
10. Decks not exceeding 120 square feet in area...

(4) *108.7 Re-inspection Fee. A fee as established by city council resolution may be
charged when:*

1. The inspection called for is not ready when the inspector arrives;
2. No building address or permit card is clearly posted;
3. Approved plans are not on the job site available to the inspector;
4. The building is locked or work otherwise not available for inspection when called;
5. The job site is red-tagged twice for the same item;
6. The original red tag has been removed from the job site and/or;
7. Violations exist on the property including failure to maintain erosion control, trash
control or tree protection.
8. Any re-inspection fees assessed shall be paid before any more inspections are made
on that job site.

(5) *Section R110 (R110.1 through R110.5); delete the section.*

(6) *Section R112.2.1 & R112.2.2; delete the sections.*

(7) *Section R202; change definition of "Townhouse" to read as follows:*

**TOWNHOUSE.** A single-family dwelling unit constructed in a group of three or more
attached units separated by property lines in which each unit extends from foundation to
roof and with a yard or public way on at least two sides.

(8) *Table R301.2(1); fill in as follows:*

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**SUBJECT TO DAMAGE FROM**

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{No change to footnotes}

(9) **Section R302.1; add exception #6 to read as follows:**

**Exceptions:** {previous exceptions unchanged}

6. Open non-combustible carport structures may be constructed when also approved within adopted ordinances.

(10) **Section R302.2, Exception; change to read as follows:**

**Exception:** A common two-hour fire-resistance-rated wall assembly, or one-hour fire-resistance-rated wall assembly when equipped with a sprinkler system... {remainder unchanged}

(11) **Section R302.2.4, Exception 5; change to read as follows:**

**Exception:** {previous exceptions unchanged}

5. Townhouses separated by a common fire-resistance-rated wall as provided in Section R302.2.

(12) **Section R302.3; add Exception #3 to read as follows:**

**Exceptions:**

1. {existing text unchanged}

2. {existing text unchanged}

3. Two-family dwelling units that are also divided by a property line through the structure shall be separated as required for townhouses.

(13) **Section R302.5.1; change to read as follows:**
R302.5.1 Opening protection. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 13/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 13/8 inches (35 mm) thick, or 20-minute fire-rated doors. **Delete remainder and add:**

Pull down ladders installed in the ceiling of an attached garage, where the garage attic is open to the attic of the house, shall have a minimum 20 minute fire rating or have an approved covering of fire retardant materials.

(14) **Section R302.7; change to read as follows:**

R302.7 Under stair protection. Enclosed accessible space under stairs shall have walls, under stair surface and any soffits protected on the enclosed side with 5/8-inch (15.8 mm) fire-rated gypsum board or one-hour fire-resistive construction.

(15) **Section R303.4 Mechanical Ventilation; change to read as follows:**

Every dwelling unit shall be provided with whole-house mechanical ventilation in accordance with Section M1507.3.

(16) **Section R315.3, amend and add exceptions as follows:**

Where required in existing dwellings, work requiring a permit for an addition or an alteration that occurs in existing dwellings, that have attached garages or in existing dwellings within which fuel-fired appliances exist, carbon monoxide alarms shall be provided in accordance with Section R315.1:

**Exceptions:**

1. Work involving the exterior surfaces of dwellings, such as the replacement of roofing or siding, or the addition or replacement of windows or doors, or the addition of a porch or deck, are exempt from the requirements of this section.

2. Installation, alteration or repairs of plumbing or mechanical systems are exempt from the requirements of this section.

(17) **Section R401.2, amended by adding a new paragraph following the existing paragraph to read as follows:**

**Section R401.2. Requirements, {existing text unchanged} ...**

Every foundation and/or footing, or any size addition to an existing post-tension foundation, regulated by this code shall be designed and sealed by a Texas-registered engineer.

**Section R401.2.1 Engineered design.** Every foundation and/or footing which exceeds 400 square feet in area, or any addition to an existing post tensioned foundation, regulated by this code shall be designed and sealed by a Texas-registered engineer.
(18) Section 602.6.1; amend the following:

R602.6.1 Drilling and notching of top plate. When piping or ductwork is placed in or partly in an exterior wall or interior load-bearing wall, necessitating cutting, drilling or notching of the top plate by more than 50 percent of its width, a galvanized metal tie not less than 0.054 inch thick (1.37 mm) (16 Ga) and 5 inches (127 mm) wide shall be fastened across and to the plate at each side of the opening with not less than eight 10d (0.148 inch diameter) having a minimum length of 1 ½ inches (38 mm) at each side or equivalent. Fasteners will be offset to prevent splitting of the top plate material. The metal tie must extend a minimum of 6 inches past the opening. See figure R602.6.1. {remainder unchanged}

(19) Figure R602.6.1; delete the figure and insert the following figure:

![Diagram of top plate with metal tie](image)

(20) Section R703.7.4.1; add a second paragraph to read as follows:

In stud framed exterior walls, all ties shall be anchored to studs as follows:
1. When studs are 16 in (407 mm) o.c., stud ties shall be spaced no further apart than 24 in (737 mm) vertically starting approximately 12 in (381 mm) from the foundation; or

2. When studs are 24 in (610 mm) o.c., stud ties shall be spaced no further apart than 16 in (483 mm) vertically starting approximately 8 in (254 mm) from the foundation.

(23) Section R902.1; Amend and add exception #3 to read as follows:

R902.1 Roofing covering materials. Roofs shall be covered with materials as set forth in Sections R904 and R905. Class A, B, or C roofing shall be installed. {remainder unchanged}

Exceptions:

1. {text unchanged}

2. {text unchanged}

3. {text unchanged}

4. Non-classified roof coverings shall be permitted on one-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 200 SF, and there shall be a minimum of 6 feet between detached accessory structures and a residential dwelling unit.

(24) Sections N1101 through N1103 shall conform to the requirements of the 2012 International Energy Conservation Code as amended by the City of Denton.

(25) Section M1305.1.3; change to read as follows:

M1305.1.3 Appliances in attics. Attics containing appliances requiring access shall be provided . . . {bulk of paragraph unchanged} . . . sides of the appliance where access is required. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm by 762 mm), or larger and large enough to allow removal of the largest appliance. 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:

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. (Delete)
Exceptions:

1. The passageway and level service space are not required where the appliance can be serviced and removed through the required opening.

2. Where the passageway is unobstructed... *remaining text unchanged*

(Add the following)

Water heaters of any type shall not be installed within attics; with the exception of replacement of existing water heaters.

(26) Section M1411.3; change to read as follows:

M1411.3 Condensate disposal. Condensate from all cooling coils or evaporators shall be conveyed from the drain pan outlet to a sanitary sewer through a trap, by means of a direct or indirect drain unless otherwise approved by a building official... *remaining text unchanged*

(27) M1503.4 Makeup Air Required amend and add exception as follows:

M1503.4 Makeup air required. Exhaust hood systems capable of exhausting in excess of 400 cubic feet per minute (0.19 m³/s) shall be provided with makeup air at a rate approximately equal to the difference between the exhaust air rate and 400 cubic feet per minute. Such makeup air systems shall be equipped with a means of closure and shall be automatically controlled to start and operate simultaneously with the exhaust system.

Exception: Where all appliances in the house are of sealed combustion, power-vent, unvented, or electric, the exhaust hood system shall be permitted to exhaust up to 600 cubic feet per minute (0.28 m³/s) without providing makeup air. Exhaust hood systems capable of exhausting in excess of 600 cubic feet per minute (0.28 m³/s) shall be provided with a makeup air at a rate approximately equal to the difference between the exhaust air rate and 600 cubic feet per minute.

(28) Section M2005.2; change to read as follows:

M2005.2 Prohibited locations. Fuel-fired water heaters shall not be installed in a room used as a storage closet. Water heaters located in a bedroom or bathroom shall be installed in a sealed enclosure so that combustion air will not be taken from the living space. Access to such enclosure may be from the bedroom or bathroom when 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. Installation of direct-vent water heaters within an enclosure is not required. Water heaters of any type shall not be installed within attics; with the exception of replacement of existing water heaters.

(29) Section G2408.3 (305.5); delete.

(30) Section G2415.2.1 (404.2.1); add a second paragraph to read as follows:
Both ends of each section of medium pressure gas piping shall identify its operating gas pressure with an approved tag. The tags are to be composed of aluminum or stainless steel and the following wording shall be stamped into the tag:

"WARNING
1/2 to 5 psi gas pressure
Do Not Remove"

(31) Section G2415.2.2 (404.2.2); add an exception to read as follows:

Exception: Corrugated stainless steel tubing (CSST) shall be a minimum of 1/2" (18 EDH).

(32) Section G2415.7 Protection from physical damage.

(Previous verbiage unchanged)

(Add the following)

CSST pipe shall not be installed within insulated exterior walls or within 12 inches of the connection between the top plate of an insulated exterior wall and roof rafters.

(33) Section G2415.12 (404.12); change to read as follows:

G2415.12 (404.12) Minimum burial depth. Underground piping systems shall be installed a minimum depth of 18 inches (457 mm) below grade, except as provided for in Section G2415.12.1.

(34) Section G2417.4; change to read as follows:

G2417.4 (406.4) Test pressure measurement. Test pressure shall be measured with a manometer or with a pressure-measuring device designed and calibrated to read, record, or indicate a pressure loss caused by leakage during the pressure test period. The source of pressure shall be isolated before the pressure tests are made. Gauges used to measure... {remainder unchanged}

(35) Section G2417.4.1; change to read as follows:

G2417.4.1 (406.4.1) Test pressure. The test pressure to be used shall be not less than 3 psig (20 kPa gauge), or at the discretion of the Building Official, the piping and valves may be tested at a pressure of at least six (6) inches (152 mm) of mercury, measured with a manometer or slope gauge For tests requiring a pressure of 3 psig, gauges shall utilize a dial with a minimum diaphragm diameter of three and one half inches (3 ½"), a set hand, 1/10 pound incrementation and pressure range not to exceed 6 psi for tests requiring a pressure of 3 psig. For tests requiring a pressure of 10 psig, diaphragm gauges shall utilize a dial with a minimum diameter of three and one-half inches (3 ½"), a set hand, a minimum of 2/10 pound incrementation and a pressure range not to exceed 20 psi

For welded piping, and for piping carrying gas at pressures in excess of fourteen (14) inches water column pressure (3.48 kPa) (1/2 psi) and less than 200 inches of water
column pressure (52.2 kPa) (7.5 psi), the test pressure shall not be less than ten (10) pounds per square inch (69.6 kPa). For piping carrying gas at a pressure that exceeds 200 inches of water column (52.2 kPa) (7.5 psi), the test pressure shall be not less than one and one-half times the proposed maximum working pressure.

**(36) Section G2417.4.2; change to read as follows:**

G2417.4.2 (406.4.2) **Test duration.** The test duration shall be held for a length of time satisfactory to the Building Official, but in no case for less than fifteen (15) minutes. For welded piping, and for piping carrying gas at pressures in excess of fourteen (14) inches water column pressure (3.48 kPa), the test duration shall be held for a length of time satisfactory to the Building Official, but in no case for less than thirty (30) minutes.

**(37) Section G2420.1 (406.1); add Section G2420.1.4 to read as follows:**

G2420.1.4 **Valves in CSST installations.** Shutoff valves installed with corrugated stainless steel (CSST) piping systems shall be supported with an approved termination fitting, or equivalent support, suitable for the size of the valves, of adequate strength and quality, and located at intervals so as to prevent or damp out excessive vibration but in no case greater than 12-inches from the center of the valve. Supports shall be installed so as not to interfere with the free expansion and contraction of the system's piping, fittings, and valves between anchors. All valves and supports shall be designed and installed so they will not be disengaged by movement of the supporting piping.

**(38) Section G2420.5.1 (409.5.1); add text to read as follows:**

G2420.5.1 (409.5.1) **Located within the same room.** The shutoff valve ... {bulk of paragraph unchanged}... in accordance with the appliance manufacturer's instructions. A secondary shutoff valve must be installed within 3 feet (914 mm) of the firebox if appliance shutoff is located in the firebox.

**(39) Section G2421.1 (410.1); add text and Exception to read as follows:**

G2421.1 (410.1) **Pressure regulators.** A line pressure regulator shall be ... {bulk of paragraph unchanged}... approved for outdoor installation. Access to regulators shall comply with the requirements for access to appliances as specified in Section M1305.

Exception: A passageway or level service space is not required when the regulator is capable of being serviced and removed through the required attic opening.

**(40) Section G2422.1.2.3 (411.1.3.3); delete Exception 1 and Exception 4.**

**(41) Section G2445.2 (621.2); add Exception to read as follows:**

**(42) Section G2445.2 (621.2); change to read as follows:**

**Prohibited use.** One or more unvented room heaters shall not be used as the sole source of comfort heating in a dwelling unit.
Exception: Existing approved unvented room heaters may continue to be used in dwelling units, in accordance with the code provisions in effect when installed, when approved by the Building Official unless an unsafe condition is determined to exist as described in International Fuel Gas Code Section 108.7 of the Fuel Gas Code.

(43) Section G2448.1.1 (624.1.1); change to read as follows:

G2448.1.1 (624.1.1) Installation requirements. The requirements for water heaters relative to access, sizing, relief valves, drain pans and scald protection shall be in accordance with this code. Water heaters shall not be installed within attics.

(44) Section P2801.6; add Exception to read as follows:

Exceptions:

1. Electric Water Heater.

(45) Section P2903.7; change to read as follows:

The minimum size water service pipe shall be $\frac{3}{4}$ inch. (Remainder of section unchanged)

(46) Section P3005.2.1; add text to the end of this section to read as follows:

G3005.2.1 Materials. { existing section with no changes} ... All building cleanouts subject to vehicular damage shall be cast iron.

(47) Section P3005.2.6; change to read as follows:

P3005.2.6 Base of stack Upper Terminal. A cleanout shall be provided at the base of each waste or soil stack. Each horizontal drain shall be provided with a cleanout at its upper terminal.

Exception: Cleanouts may be omitted on a horizontal drain less than five (5) feet (1524 mm) in length unless such line is serving sinks or urinals.

(48) Section G3005.2.7; change to read as follows:

P3005.2.7 Building drain and building sewer junction. There shall be a cleanout near... Back to back combination fittings shall be installed to serve as the required cleanouts for both the building drain and the building sewer, unless other fittings are approved by the Building Official. The cleanout at the ....

(49) Section P3111; delete.

(50) Section P3112.2; delete and replace with the following:

P3112.2 Installation. Traps for island sinks and similar equipment shall be roughed in above the floor and may be vented by extending the vent as high as possible, but not less than the drainboard height and then returning it downward and connecting it to the
horizontal sink drain immediately downstream from the vertical fixture drain. The return vent shall be connected to the horizontal drain through a wye-branch fitting and shall, in addition, be provided with a foot vent taken off the vertical fixture vent by means of a wye-branch immediately below the floor and extending to the nearest partition and then through the roof to the open air or may be connected to other vents at a point not less than six (6) inches (152 mm) above the flood level rim of the fixtures served. Drainage fittings shall be used on all parts of the vent below the floor level and a minimum slope of one-quarter (1/4) inch per foot (20.9 mm/m) back to the drain shall be maintained. The return bend used under the drainboard shall be a one (1) piece fitting or an assembly of a forty-five (45) degree (0.79 radius), a ninety (90) degree (1.6 radius) and a forty-five (45) degree (0.79 radius) elbow in the order named. Pipe sizing shall be as elsewhere required in this Code. The island sink drain, upstream of the return vent, shall serve no other fixtures. An accessible cleanout shall be installed in the vertical portion of the foot vent.

(51) Chapters 34 through 43; delete. Except for additional amendment that follows, replace chapters 34 through and including chapter 43 of the International Residential Code with the National Electrical Code as amended and adopted.

(52)Section E3301.1; add amendment to read as follows:

Electricians holding a State Electrical Apprentice license shall be directly supervised by an electrician holding a State Residential Wireman license.

(53)Appendix G Swimming Pools, Spas and Hot Tubs. Adopt as part of this code with the amendment as follows:

Section AG105.2; changed to read as follows:

AG105.2 Outdoor swimming pool. An outdoor swimming pool, including an in-ground, above-ground or on-ground pool, hot tub or spa shall be surrounded by a barrier which shall comply with the following:

1. The top of the barrier shall be at least 60 inches above grade measured on the side of the barrier which faces away from the swimming pool.

(54) Appendix H Patio Covers. Adopt as part of this code.

(55) Appendix J Existing Buildings and Structures. Adopt as part of this code.

SECTION 6. The International Fuel Gas Code, 2012 Edition, is hereby adopted and Section 28-123 of the Code of Ordinances of the City of Denton is hereby amended as underlined so that said section shall hereafter be and read as follows:

“Section 28-123 Adoption of the fuel gas code.

The International Fuel Gas Code, 2012 edition as published by the International Code Council, a copy which shall be filed in the Office of the City Secretary and available for public inspection, is hereby adopted and designated as the fuel gas code for the city, the same as though the edition of such code were copied at length herein subject to the deletions and amendments enumerated in section 28-124.”
SECTION 7. The City hereby adopts local amendments to the International Fuel and Gas Code, 2012 Edition, and Section 28-124 of the Code of Ordinances of the City of Denton, Texas is hereby amended as underlined to read as follows:


Amendments to the 2012 International Fuel Gas Code

(1) Section 102.2; add an exception to read as follows:

Exception: Existing dwelling units shall comply with Section 621.2.

(2) 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 8 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.

(3) Section 304.10; change to read as follows:

304.10 Louvers and grilles. The required size of openings for combustion, ventilation and dilution air shall be based on the net free area of each opening. Where the free area through a design of louver, grille or screen is known, it shall be used in calculating the size opening required to provide the free area specified. Where the design and free area of louvers and grilles are not known, it shall be assumed that wood louvers will have 25-percent free area and metal louvers and grilles will have 75-50-percent free area. Screens shall have a mesh size not smaller than ¼ inch (6.4 mm). Nonmotorized louvers and grilles shall be fixed in the open position. Motorized louvers shall be interlocked with the appliance so that they are proven to be in the full open position prior to main burner ignition and during main burner operation. Means shall be provided to prevent the main burner from igniting if the louvers fail to open during burner start-up and to shut down the main burner if the louvers close during operation.

(4) Section 304.11; change #8 to read as follows:

304.11 Combustion air ducts. Combustion air ducts shall comply with all of the following:

1. Ducts shall be constructed of galvanized steel complying with Chapter 6 of the International Mechanical Code or of a material having equivalent corrosion resistance, strength and rigidity.
Exception: Within dwellings units, unobstructed stud and joist spaces shall not be prohibited from conveying combustion air, provided that not more than one required fireblock is removed.

2. Ducts shall terminate in an unobstructed space allowing free movement of combustion air to the appliances.

3. Ducts shall serve a single enclosure.

4. Ducts shall not serve both upper and lower combustion air openings where both such openings are used. The separation between ducts serving upper and lower combustion air openings shall be maintained to the source of combustion air.

5. Ducts shall not be screened where terminating in an attic space.

6. Horizontal upper combustion air ducts shall not slope downward toward the source of combustion air.

7. The remaining space surrounding a chimney liner, gas vent, special gas vent or plastic piping installed within a masonry, metal or factory-built chimney shall not be used to supply combustion air.

Exception: Direct-vent gas-fired appliances designed for installation in a solid fuel-burning fireplace where installed in accordance with the manufacturer’s instructions.

8. Combustion air intake openings located on the exterior of a building shall have the lowest side of such openings located not less than 12 inches (305 mm) vertically from the adjoining ground level or the manufacturer’s recommendation, whichever is more restrictive.

(5) Section 306.3; change to read as follows:

[M] 306.3 Appliances in attics. Attics containing appliances requiring access shall be provided . . . {bulk of paragraph unchanged} . . . 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, for access to the attic space, provide one or more of the following are required:

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. (Delete)

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

2. Where the passageway is not less than ...{bulk of section to read the same}.

Water heaters shall not be installed within attics.

(6) Section 306; add Section 306.7 with exception and subsection 306.7.1 to read as follows:

306.7 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. Water heaters shall not be installed within attics.

Exception: A max 10 gallon water heater (or larger when approved by the code official) 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. Illumination and convenience outlet. 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.

(7) Section 401.5; add a second paragraph to read as follows:

Both ends of each section of medium pressure corrugated stainless steel tubing (CSST) shall identify its operating gas pressure with an approved tag. The tags are to be composed of aluminum or stainless steel and the following wording shall be stamped into the tag:

"WARNING
1/2 to 5 psi gas pressure
Do Not Remove"

(8) Section 402.3; add an exception to read as follows:

Exception: Corrugated stainless steel tubing (CSST) shall be a minimum of 1/2" ( 18 EHD).

(9) Section 404.2; add a sentence to read as follows:

...CSST pipe shall not be installed within insulated exterior walls or within 12 inches of the connection between the top plate of an insulated exterior wall and roof rafters.

(10) Section 404.12; change to read as follows:
404.12 Minimum burial depth. Underground piping systems shall be installed a minimum depth of 18 inches (458 mm) top of pipe below grade.

(11) Section 406.1; change to read as follows:

406.1 General. Prior to acceptance and initial operation, all piping installations shall be inspected and pressure tested to determine that the materials, design, fabrication, and installation practices comply with the requirements of this code. The permit holder shall make the applicable tests prescribed in Sections 406.1.1 through 406.1.5 to determine compliance with the provisions of this code. The permit holder shall give reasonable advance notice to the code official when the piping system is ready for testing. The equipment, material, power and labor necessary for the inspections and test shall be furnished by the permit holder and the permit holder shall be responsible for determining that the work will withstand the test pressure prescribed in the following tests.

(12) Section 406.4; change to read as follows:

406.4 Test pressure measurement. Test pressure shall be measured with a monometer or with a pressure-measuring device designed and calibrated to read, record, or indicate a pressure loss caused by leakage during the pressure test period. The source of pressure shall be isolated before the pressure tests are made.

(13) Section 406.4.1; change to read as follows:

406.4.1 Test pressure. The test pressure to be used shall be no less than 3 psig (20 kPa gauge), or at the discretion of the Code Official, the piping and valves may be tested at a pressure of at least six (6) inches (152 mm) of mercury, measured with a monometer or slope gauge. For tests requiring a pressure of 3 psig, diaphragm gauges shall utilize a dial with a minimum diameter of three and one half inches (3 ½”), a set hand, 1/10 pound incrementation and pressure range not to exceed 6 psi for tests requiring a pressure of 3 psig. For tests requiring a pressure of 10 psig, diaphragm gauges shall utilize a dial with a minimum diameter of three and one-half inches (3 ½”), a set hand, a minimum of 2/10 pound incrementation and a pressure range not to exceed 20 psi. For welded piping, and for piping carrying gas at pressures in excess of fourteen (14) inches water column pressure (3.48 kPa) (1/2 psi) and less than 200 inches of water column pressure (52.2 kPa) (7.5 psi), the test pressure shall not be less than ten (10) pounds per square inch (69.6 kPa). For piping carrying gas at a pressure that exceeds 200 inches of water column (52.2 kPa) (7.5 psi), the test pressure shall be not less than one and one-half times the proposed maximum working pressure.

(14) Section 406.4.2; change to read as follows:

406.4.2 Test duration. Test duration shall be held for a length of time satisfactory to the Code Official, but in no case for less than fifteen (15) minutes. For welded piping, and for piping carrying gas at pressures in excess of fourteen (14) inches water column pressure (3.48 kPa), the test duration shall be held for a length of time satisfactory to the Code Official, but in no case for less than thirty (30) minutes. (Delete remainder of section.)

(15) Section 409.1; add Section 409.1.4 to read as follows:
409.1.4 Valves in CSST installations. Shutoff valves installed with corrugated stainless steel (CSST) piping systems shall be supported with an approved termination fitting, or equivalent support, suitable for the size of the valves, of adequate strength and quality, and located at intervals so as to prevent or damp out excessive vibration but in no case greater than 12-inches from the center of the valve. Supports shall be installed so as not to interfere with the free expansion and contraction of the system's piping, fittings, and valves between anchors. All valves and supports shall be designed and installed so they will not be disengaged by movement of the supporting piping.

(16) Section 410.1; add a second paragraph and exception to read as follows:

Access to regulators shall comply with the requirements for access to appliances as specified in Section 306.

Exception: A passageway or level service space is not required when the regulator is capable of being serviced and removed through the required attic opening.

(17) Section 621.2; add exception as follows:

621.2 Prohibited use. One or more unvented room heaters shall not be used as the sole source of comfort heating in a dwelling unit.

Exception: Existing approved unvented heaters may continue to be used in dwelling units, in accordance with the code provisions in effect when installed, when approved by the Code Official unless an unsafe condition is determined to exist as described in Section 108.7.

(18) Section 624.1.1; change to read as follows:

624.1.1 Installation requirements. The requirements for water heaters relative to access, sizing, relief valves, drain pans and scald protection shall be in accordance with the International Plumbing Code.”

SECTION 8. The International Plumbing Code, 2012 Edition, is hereby adopted, and Section 28-144 of the Code of Ordinances of the City of Denton is hereby amended so that said section shall hereafter be and read as follows:

“Section 28-144. Adoption of the plumbing code.

The International Plumbing Code, 2012 edition as published by the International Code Council, a copy which shall be filed in the Office of the City Secretary and available for public inspection, is hereby adopted and designated as the plumbing code for the city, the same as though the edition of such code were copied at length herein subject to the deletions and amendments enumerated in section 28-145.”

SECTION 9. The City hereby adopts local amendments to the International Plumbing Code, 2012 Edition, and Section 28-145 is hereby amended as underlined as reads as follows:
"28-145. Deletions and amendments.

Amendments to the 2012 International Plumbing Code

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

714 Engineered Drainage Design ................. 67

(2) 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 13 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 amendments as well. Any reference to NFPA 70 or the ICC Electrical Code shall mean the Electrical Code as adopted.

(3) 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 governing body of the jurisdiction.

106.6.3 Fee Refunds. The code official shall establish a policy for authorizing the refunding of fees. {Delete balance of section}

(4) Section 109; Delete entire section and insert the following:

SECTION 109
MEANS OF APPEAL

109.1 Application for appeal. Any person shall have the right to appeal a decision of the code official to the Zoning Board of Adjustment (ZBA) established by ordinance. The ZBA shall be governed by the applicable provisions of the Texas Local Government Code and local ordinance.

(5) Section 305.6.1; change to read as follows:

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

(6) Section 305.9; change to read as follows:

305.9 Protection of components of plumbing system. Components of a plumbing system installed within 3 feet along alleyways, driveways, parking garages or other locations in a manner in which they would be exposed to damage shall be recessed into the wall or otherwise protected in an approved manner.
(7) 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. ... {text unchanged} ... Condensate shall not discharge into a street, alley, sidewalk, rooftop, or other areas so as to cause a nuisance.

(8) 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 PVC pipe or tubing when exposed to ultra violet light. All components shall be selected for the pressure, temperature and exposure rating of the 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 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 Table 314.2.2.

(9) Section 401.1; add a sentence to read as follows:

401.1 Scope. This chapter shall govern the materials, design and installation of plumbing fixtures, faucets and fixture fittings in accordance with the type of occupancy, and shall provide for the minimum number of fixtures for various types of occupancies. The provisions of this Chapter coordinate with the provisions of the Building Code. Should any conflicts arise between the two chapters, the Code Official shall determine which provision applies.

(10) Section 405.6; delete.

(11) Section 409.2; change to read as follows:

409.2 Water connection. The water supply to a commercial dishwashing machine shall be protected against backflow by an air gap or backflow preventer in accordance with Section 608.

(12) Section 410.1; change to read as follows:

410.1 Approval. {existing text unchanged}...In other occupancies, where drinking fountains are required, water coolers or bottled water dispensers shall be permitted to be substituted for all required drinking fountains. Drinking water shall be provided at no cost.

(13) Section 412.4; change to read as follows:

412.4 Required location. 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 502.6; 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.

Water heaters of any type shall not be installed within attics; with the exception of replacement of existing water heaters.

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.

502.6.1 Illumination and convenience outlet. 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 502.1.

(*) 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 manufactures installation instructions and installed with those instructions.

5. Discharge to an indirect waste receptor or to the outdoors. Where discharging to the outdoors in areas subject to freezing, discharge piping shall be first piped to an indirect waste receptor through an air gap located in a conditioned area.

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. Not terminate less than 6 inches or more than 24 inches (152 mm) above grade nor more than 6 inches above the waste receptor.

11. Not have a threaded connection at the end of such piping.

12. Not have valves or tee fittings.

13. Be constructed of CPVC, Copper, Ductile iron, Galvanized steel, or Stainless steel.

(17) 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.

(18) Section 604.8; add Section 604.8.3 to read as follows:

604.8.3 Thermal expansion control. An expansion tank or approved device shall be installed for the water heater with the addition of a pressure reducing valve or regulator creating a closed system.

(19) Section 606.1; delete items #3, #4, and #5.

(20) Section 606.2; 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.

(21) 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 nonpotable 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.

(22) 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.

(23) 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 “inplant” 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 waive this requirement when deemed un-necessary.

(24) Section 708.3.5 and 708.3.7; add new sections to read as follows:

708.3.5 Building drain and building sewer junction. {Existing section with no changes} ...All building cleanouts subject to vehicular damage shall be cast iron.
708.3.7 Materials. All building cleanouts subject to vehicular damage shall be cast iron.

(25) Section 712; change to read as follows:

712.3.3.1 Materials. Pipe and fitting materials shall be constructed of brass, copper, CPVC, ductile iron, stainless steel, galvanized iron, PE, or PVC.

(26) 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.

(27) Section 714, 714.1; change to read as follows:

SECTION 714
ENGINEERED DRAINAGE DESIGN

714.1 Design of drainage system. The sizing, design and layout of the drainage system shall be permitted to be designed by approved design methods.

(28) Section 802.4; add a sentence to the end of the paragraph to read as follows:

802.4 Standpipes. Standpipes shall be... {text unchanged} ...drains for rodding. No standpipe shall be installed below the ground.

(29) Section 903.1; change to read as follows:

903.1 Roof extension. All open vent pipes that extend through a roof shall be terminated at least six (6) inches (152 mm) above the roof, except that where a roof is to be used for any purpose other than weather protection, the vent extensions shall be run at least 7 feet (2134 mm) above the roof.

(30) Section 1002.10; delete.

(31) Section 1003.1; added to read as follows:

1003.1 Minimum construction standards for food service establishments are required when:

1. A new building with a food service establishment is constructed and occupied;

2. Prior to the issuance of a certificate of occupancy for a new food service establishment in an existing structure which has not been previously used as a food service establishment within the last six (6) months, or has been used as a food service establishment without an adequately sized grease interceptor; or.

3. When a change to a more restrictive class of food service establishment occurs.
Heavy Food Preparation: shall mean any area in which foods are prepared utilizing a grill, griddle, deep-fat fryer, commercial type ovens, and/or any similar food preparation equipment; or any area subject to flooding type of wet cleaning procedures due to the cutting or processing of meat, poultry, fish or pork. Heavy food preparation includes but is not limited to: cafeterias, fast food restaurant, full service restaurants, pizza preparation, donut preparation, and meat and fish markets, etc. either a minimum 750-gallon grease interceptor is required for heavy food preparation establishments with *seating capacity for 50 or more; or a minimum 250-gallon grease interceptor is required for heavy food preparation establishments with a *seating capacity for less than 50 or take-out food service establishments; or the minimum size shall be established by the currently adopted International Plumbing Code; whichever is more stringent.

Light Food Preparation: shall mean any area in which foods are prepared exclusive of the use of fryers, grills or similar equipment. Light food preparation is usually limited to the preparation of hot dogs, sandwiches, salads or other similar foods and fountain-type cold drinks. Light food preparation includes, but is not limited to, sandwich shops, limited menu concession stands, etc. Either a minimum 250-gallon grease interceptor is required for light food preparation establishments with *seating capacity for 50 or more; or a minimum 20 gpm flow-through rating or 40-pound retention capacity grease trap is required for light food preparation establishments with a *seating capacity for less than 50 or take-out food service establishments; or the minimum size shall be established by the currently adopted International Plumbing Code; whichever is more stringent.

No Food Preparation: shall mean any area in which foods are provided pre-wrapped, from an approved source, with microwave oven type heating being the maximum handling involved. No food preparation is limited to pre-packaged sandwiches or similar foods, candies and containerized beverages. A grease interceptor is not required for “no food preparation” establishments.

Food service establishments shall not share grease interceptors unless specifically authorized by the Building Official.

*Seating Capacity is measured using Section 1004.7 Fixed Seating and Table 1004.1.1 Maximum Floor Area Allowances per Occupant found in the currently adopted version of the International Building Code.

(32) 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 rainfal rate.

(33) Section 1107.3; change to read as follows:

1107.3 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.

(34) Section 1202.1; delete Exception 2.
SECTION 10. The International Mechanical Code, 2012 Edition is hereby adopted, and Section 28-251 of the Code of Ordinances of the City of Denton is hereby amended as underlined and read as follows:

“28-251. Adoption of the mechanical code.

The International Mechanical Code, 2012 edition as published by the International Code Council, a copy which shall be filed in the Office of the City Secretary and available for public inspection, is hereby adopted and designated as the mechanical code for the city, the same as though the edition of such code were copied at length herein subject to the deletions and amendments enumerated in section 28-252.”


Amendments to the 2012 International Mechanical Code

(1) Section 102.8; change to read as follows:

102.8 Referenced codes and standards. 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.

(2) Section 306.3; change to read as follows:

306.3 Appliances in attics. Attics containing appliances requiring access shall be provided ... {bulk of paragraph unchanged} ... 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, for access to the attic space, provide one of the following:

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. (Delete)
Water heaters of any type shall not be installed within attics; with the exception of replacement of existing water heaters.

Exceptions:

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

(3) Section 306; add Section 306.6 to read as follows:

306.6 Water heaters above ground or floor. 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.

306.6.1 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.

(4) Section 307.2.3; 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 primary drain. The overflow drain line shall connect to 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.

SECTION 12. If any provision of this ordinance or the application thereof to any person or circumstances is held invalid, such invalidity shall not affect other provision or applications, and the City Council of the City of Denton, Texas hereby declares it would have enacted such remaining portions despite any such invalidity. To this end, the provisions of this ordinance are severable.

SECTION 13. All provisions of the ordinances of the City of Denton in conflict with the provision of this ordinance are hereby repealed. The repeal of any ordinance or any portion thereof by the preceding text shall not affect or impair any act done or right vested or accrued or any proceeding, suit or prosecution had or commenced in any cause before such repeal shall take effect and such shall remain in force for all intents and purposes as if such ordinance or part thereof so repealed shall remain in force.

SECTION 14. Any person violating any provision of this ordinance shall, upon conviction, be found guilty of a misdemeanor and fined a sum not to exceed two thousand dollars ($2,000.00) for each violation. Each day that a provision of this Ordinance is violated shall constitute a separate and distinct offence.
SECTION 15. Pursuant to Section 2.09(c) of the Charter for the City of Denton, this ordinance shall become effective fourteen (14) days from the date of this passage and the City Secretary is hereby directed to cause the caption of this ordinance to be published twice in the Denton Record Chronicle, the official newspaper of the City of Denton, Texas, within ten (10) days of the date of its passage. In compliance with Section 214.218 of the Texas Local Government Code, enforcement of any new provisions adopted herein shall be delayed for at least 30 days after final adoption unless such delay would cause imminent harm to the health or safety of the public.

PASSED AND APPROVED this the 21st day of July, 2015

CHRIS WATTS, MAYOR

ATTEST:
JENNIFER WALTERS, CITY SECRETARY

APPROVED AS TO LEGAL FORM:
ANITA BURGESS, CITY ATTORNEY

Deputy City Attorney