

ORDINANCE _____

AN ORDINANCE OF THE CITY OF BURLESON AMENDING CHAPTER 10, "BUILDINGS AND BUILDING REGULATIONS," OF THE CODE OF ORDINANCES, CITY OF BURLESON, TEXAS BY ADOPTING THE 2012 INTERNATIONAL BUILDING CODE, 2012 RESIDENTIAL CODE, 2014 NATIONAL ELECTRIC CODE, 2012 INTERNATIONAL PLUMBING CODE, 2012 INTERNATIONAL MECHANICAL CODE, 2012 INTERNATIONAL FUEL GAS CODE, 2012 INTERNATIONAL ENERGY CONSERVATION CODE; PROVIDING FOR THE MODIFICATION OF THE CODE TO INCORPORATE LOCAL AMENDMENTS; PROVIDING FOR RECORDING OF THE CODE AS PUBLIC RECORD; PROVIDING A SEVERABILITY CLAUSE; PROVIDING A CUMULATIVE CLAUSE; PROVIDING A PENALTY CLAUSE; PROVIDING A SAVINGS CLAUSE; PROVIDING FOR PUBLICATION IN THE OFFICIAL NEWSPAPER; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City of Burleson, Texas is a home rule city acting under its charter adopted by the electorate pursuant to Article XI, Section 5 of the Texas Constitution and Chapter 9 of the Local Government Code; and

WHEREAS, the City Council desires to update to the 2012 Edition of the International Building Code, 2012 Edition of the International Residential Code, 2014 Edition of the National Electric Code, 2012 Edition of the International Plumbing Code, 2012 Edition of the International Mechanical Code, 2012 Edition of the International Fuel Gas Code, 2012 Edition of the International Energy Conservation Code; and

WHEREAS, the City Council has determined that the proposed ordinance adoption and amendments are in the best interest of the City; and

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

SECTION 1.

That Article III of Chapter 10, "Buildings and Building Regulations," of the Code of Ordinances, Burleson, Texas is hereby amended to read as follows:

ARTICLE III. - INTERNATIONAL BUILDING CODE

Sec. 10-141. - Adopted.

The 2012 Edition of the International Building Code is hereby adopted as the official building code of the City of Burleson, Texas. This building code is fully incorporated by reference as though copied into this ordinance in its entirety. The material contained in the 2012 Edition of the International Building Code shall be maintained as a public record in the office of the City Secretary and will be available for inspection and copying during regular business hours.

Sec. 10-142. - Amendments.

The 2012 Edition of the International Building Code adopted herein is hereby amended as follows:

(1) Section 101.4; amend 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; add Section 101.4.7 as follows:

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 and 103.1 amend to insert the Department Name

SECTION 103

~~DEPARTMENT OF BUILDING SAFETY~~ Building Permits and Inspections Department

103.1 Creation of enforcement agency. The ~~Department of Building~~ Building Permits and Inspections Department is hereby created and the official in charge thereof shall be known as the *building official*.

(4) Section 105.2; under sub-title entitled "Building" amend, delete and re-number as follows:

Building:

- ~~One-story detached accessory structures used as tool and storage sheds, Playhouses and similar uses, provided the floor area does not exceed 120 square feet (11 m₂).~~

- 2. Fences not over 7 feet (1829 mm) high.
- 3. 2. (Unchanged)
- 4. 3. Retaining walls that are not over 4 feet in height measured from the bottom of the footing to the top of the wall, at the highest point of the wall, unless supporting a surcharge or impounding Class I, II, or IIIA liquids. Permit requirements for retaining walls shall follow:

	<i>Wall Height</i>	<i>Engineer Design Required</i>	<i>Concrete Only (see note 3)</i>	<i>Approved Materials other than Wood</i>	<i>Approved Materials including Wood</i>	<i>Permit Required</i>
<i>Requirements for Walls Supporting Permanent Construction (see note a)</i>	<i>Less than 2 ft.</i>	Yes	No	Yes	No	Yes
	<i>2 ft. to 3.99 ft.</i>	Yes	No	Yes	No	Yes
	<i>4 ft. and greater</i>	Yes	Yes	No	No	Yes
<i>Requirements for Walls Not Supporting Permanent Construction (see note a)</i>	<i>Less than 2 ft.</i>	No	No	No	Yes	No
	<i>2 ft. to 3.99 ft.</i>	No	No	Yes	No	Yes <u>No</u>
	<i>4 ft. and greater</i>	Yes	No	Yes	No	Yes

NEW OR RECONSTRUCTED RETAINING WALLS

- a. For the purposes of the table, the following shall apply:
 - 1. Permanent construction is defined as any construction that requires a building permit from the City.
 - 2. The retaining wall is assumed to support permanent construction if the setback from the top of the wall to the permanent construction is less than 1.5 times the height of the wall; unless a geotechnical report prepared by a licensed engineer states that a structure closer to the wall does not bear on the wall.
 - 3. A multi-tier wall shall be considered a single wall if the base of the upper wall is set back from the top of the lower wall less than 1.5 times the height of the lower wall.
- b. When an engineered design is required, the building permit shall include a copy of the sealed, signed, and dated design from the engineer. ~~When a building permit is required, but an engineered design is not, the owner shall provide construction drawings indicating the location, height, and material of the retaining wall.~~
- 5. 4. (Unchanged)
- 6. 5. Sidewalks not located within the Public Right-of-Way
- 7. 6. (Unchanged)
- 8. 7. (Unchanged)
- 9. 8. (Unchanged)

~~10. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.~~

11.9. (Unchanged)

~~12. 10.~~ (Unchanged)

~~13. 11.~~ (Unchanged)

(5) 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 any more inspections are made on that job site.

(6) Delete Section 113 Board of Appeals

(7) Section 202; amend definition of Ambulatory Care Facility 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

(8) Section 202; add definition of Assisting Living Facilities to read as follows.

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.*

(9) Section 202; amend definition of "Atrium" to read as follows:

ATRIUM. An opening connecting ~~two~~ three or more stories... *{Balance remains unchanged}*

- (10) **Section 202; amend definition of “High-Rise Building” to read as follows:**
HIGH-RISE BUILDING. A building with an occupied floor located more than ~~75~~ 55 feet (~~22 860 mm~~) (16 764 mm) above the lowest level of fire department vehicle access
- (11) **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.
- (12) **Section 304.1; add the following to the list of occupancies:**
Fire stations
Police stations with detention facilities for 5 or less
- (13) **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.
- (14) **Section 403.1, Exception 3; amend to read as follows:**
3. Open air portions of buildings Buildings with a Group A-5 occupancy in accordance with Section 303.6.
- (15) **Section 403.3, Exception; delete item 2.**
- (16) **Section 404.5; delete Exception.**
- (17) **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).
- (18) **Section 406.8; add a second paragraph to read as follows:**
This occupancy shall also include 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.
- (19) **Section 506.2.2; add sentence to read as follows:**
506.2.2 Open Space Limits. Such open space shall be either on the same lot or dedicated for public use and shall be accessed from a street or approved fire lane. In order to be considered as accessible, if not in direct contact with a street or fire lane, a minimum 10-foot wide pathway meeting fire department access from the street or approved fire lane shall be provided.

(20) Section 712.1.8, amend item 5 to read as follows:

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

(21) Section 713.14.1 Elevator Lobby. Exceptions: 4.3 amend to read as follows:

Section 713.14.1; Exception 4.3 Elevators serving floor levels over ~~75~~ 55 feet (22 860 mm) (16 764 mm) above the lowest level of fire department vehicle access in high rise buildings.

(22) Section 903.1.1; amend to read as follows:

[F] 903.1.1 Alternative protection. Alternative automatic fire-extinguishing systems complying with Section 904 shall be permitted in lieu of addition to automatic sprinkler protection where recognized by the applicable standard ~~and, or as~~ approved by the fire code official.

(23) Section 903.2; add the following:

[F] 903.2 Where required. *Approved automatic sprinkler systems* in new buildings and structures shall be provided in the locations described in Sections 903.2.1 through 903.2.12. Automatic Sprinklers shall not be installed in elevator machine rooms, elevator machine spaces, and elevator hoistways, other than pits where such sprinklers would not necessitate shunt trip requirements under any circumstances. Storage shall not be allowed within the elevator machine room. Signage shall be provided at the entry doors to the elevator machine room indicating "ELEVATOR MACHINERY – NO STORAGE ALLOWED."

(24) Section 903.2; delete the exception.

(25) Section 903.2.9; add Section 903.2.9.3 to read as follows:

[F] 903.2.9.3 Self-service storage facility. An automatic sprinkler system shall be installed throughout all self-service storage facilities.

Exception: One-story self-service storage facilities that have no interior corridors, with a one-hour fire barrier separation wall installed between every storage compartment.

(26) Section 903.2.11; amend 903.2.11.3 and add 903.2.11.7, 903.2.11.8, and 903.2.11.9 as follows:

903.2.11.3 Buildings ~~55~~ 35 feet or more in height. An automatic sprinkler system shall be installed throughout buildings with a floor level, other than penthouses in compliance with Section 1509 of the International Building Code, having an occupant load of 30 or more that is located ~~55~~ 35 feet (16 764 10 668mm) or more above the lowest level of fire department vehicle access.

Exceptions:

1. ~~Airport control towers.~~

2. 1. Open parking structures in compliance with Section 406.5 of the International Building Code.
- ~~3. Occupancies in Group F-2.~~

(27) **903.2.11.7 High-Piled Combustible Storage.** For any building with a clear height exceeding 12 feet (4572 mm), see IFC Chapter 32 to determine if those provisions apply.

(28) **903.2.11.8 Spray Booths and Rooms.** New and existing spray booths and spraying rooms shall be protected by an approved automatic fire-extinguishing system.

(29) **903.2.11.9 Buildings over 6,000 square feet.** An automatic sprinkler system shall be installed throughout all buildings with a building area over 6,000 square feet. For the purpose of this provision, fire walls shall not define separate buildings.

Exceptions:

1. Open parking garages in compliance with Section 406.5 of the International Building Code.

2. For purposes of determining building area for one- and two-family dwellings, it shall be only the "conditioned area" which is that area provided with heating and/or cooling systems or appliances capable of maintaining, through design or heat loss/gain, 68°F (20°C) during the heating season and/or 80°F (27°C) during the cooling season, or has a fixed opening directly adjacent to a conditioned area.

(30) **Section 903.3.1.1.1; amend to read as follows:**

[F] 903.3.1.1.1 Exempt locations. When approved by the fire code official, automatic sprinklers shall not be required in the following rooms or areas where such ~~...{text unchanged}...~~ because it is damp, of fire-resistance-rated construction or contains electrical equipment.

1. Any room where the application of water, or flame and water, constitutes a serious life or fire hazard.
2. Any room or space where sprinklers are considered undesirable because of the nature of the contents, when approved by the code official.
3. Generator and transformer rooms, under the direct control of a public utility, separated from the remainder of the building by walls and floor/ceiling or roof/ceiling assemblies having a fire-resistance rating of not less than 2 hours.
- ~~4. In rooms or areas that are of noncombustible construction with wholly noncombustible contents.~~
4. Fire service access Elevator machine rooms, machinery spaces, and hoistways other than pits where such sprinklers would not necessitate shunt trip requirements under any circumstances.
- ~~5. Fire service access elevator machine rooms and machinery spaces.~~
- ~~6.~~ 5. Machine rooms and machinery spaces associated with occupant

evacuation elevators designed in accordance with Section 3008.

(31) Section 903.3.1.2; add Section 903.3.1.2.2 to read as follows:

[F] Section 903.3.1.2.2 Attics, Open Breezeways, and Attached Garages. Sprinkler protection is required in attic spaces of such buildings two or more stories in height, open breezeways, and attached garages.

(32) Section 903.3.1.3; add the following:

[F] 903.3.1.3 NFPA 13D sprinkler systems. *Automatic sprinkler systems* installed in one- and two-family *dwelling*s, Group R-3 and R-4 congregate living facilities and *townhouses* shall be permitted to be installed throughout in accordance with NFPA 13D or in accordance with state law.

(33) Section 903.3.5 Water Supplies; add a second paragraph to read as follows:

[F] Water supply as required for such systems shall be provided in conformance with the supply requirements of the respective standards; however, every fire protection system shall be designed with a 10 psi safety factor. Reference Section IFC 507.4 for additional design requirements.

(34) Section 903.4 Sprinkler system supervision and alarms; add a second paragraph after the exceptions to read as follows:

[F] Sprinkler and standpipe system water-flow detectors shall be provided for each floor tap to the sprinkler system and shall cause an alarm upon detection of water flow for more than 45 seconds. All control valves in the sprinkler and standpipe systems except for fire department hose connection valves shall be electrically supervised to initiate a supervisory signal at the central station upon tampering.

(35) Section 903.4.2 Alarms; add second paragraph to read as follows:

[F] The alarm device required on the exterior of the building shall be a weatherproof horn/strobe notification appliance with a minimum 75 candela strobe rating, installed as close as practicable to the fire department connection.

(36) Section 905.2 Installation standard; amend to read as follows:

[F] 905.2 Installation standard. Standpipe systems shall be installed in accordance with this section and NFPA 14. Manual dry standpipe systems shall be supervised with a minimum of 10 psig and a maximum of 40 psig air pressure with a high/low alarm.

(37) Add Section 905.3.9 and exception to read as follows:

[F] 905.3.9 Building area. In buildings exceeding 10,000 square feet in area per story, Class I automatic wet or manual wet standpipes shall be provided where any portion of the building's interior area is more than 200 feet (60960 mm) of travel, vertically and horizontally, from the nearest point of fire department vehicle access.

Exception: Automatic dry and semi-automatic dry standpipes are allowed as provided for in NFPA 14.

(38) Section 905.4, item 5; amend to read as follows:

[F] 5. Where the roof has a slope less than four units vertical in 12 units horizontal (33.3-percent slope), each standpipe shall be provided with a two-way a-hose connection shall be located to serve the roof or at the highest landing of a stairway with stair access to the roof provided in accordance with Section 1009.16. An additional hose connection shall be provided at the top of the most hydraulically remote standpipe for testing purposes.

(39) Section 905.4 Location of Class I standpipe hose connections; add item 7 to read as follows:

[F] 7. When required by this Chapter, standpipe connections shall be placed adjacent to all required exits to the structure and at two hundred feet (200') intervals along major corridors thereafter.

(40) Section 905.9 Valve supervision; add a second paragraph after the exceptions to read as follows:

[F] Sprinkler and standpipe system water-flow detectors shall be provided for each floor tap to the sprinkler system and shall cause an alarm upon detection of water flow for more than 45 seconds. All control valves in the sprinkler and standpipe systems except for fire department hose connection valves shall be electrically supervised to initiate a supervisory signal at the central station upon tampering.

(41) Add Section 907.1.4 to read as follows:

[F] **907.1.4 Design standards.** All alarm systems new or replacement shall be addressable. Alarm systems serving more than 20 smoke detectors shall be analog addressable.

Exception: Existing systems need not comply unless the total building remodel or expansion initiated after the effective date of this code, as adopted, exceeds 30% of the building. When cumulative building remodel or expansion exceeds 50% of the building must comply within 18 months of permit application.

(42) Section 907.2.1; amend to read as follows:

[F] **907.2.1 Group A.** A manual fire alarm system that activates the occupant notification system in accordance with new Section 907.6 shall be installed in Group A occupancies having an occupant load of 300 or more persons or more than 100 persons above or below the lowest level of exit discharge. Group A occupancies not separated from one another in accordance with Section 707.3.9 of the *International Building Code* shall be considered as a single occupancy for the purposes of applying this section. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy.

Exception: {unchanged.}

Activation of fire alarm notification appliances shall:

1. Cause illumination of the *means of egress* with light of not less than 1 foot-candle (11 lux) at the walking surface level, and
2. Stop any conflicting or confusing sounds and visual distractions.

(43) Section 907.2.3; change to read as follows:

[F] 907.2.3 Group E. A manual fire alarm system that initiates the occupant notification signal utilizing an emergency voice/alarm communication system meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6 shall be installed in Group E educational occupancies. When automatic sprinkler systems or smoke detectors are installed, such systems or detectors shall be connected to the building fire alarm system. An approved smoke detection system shall be installed in Group E day care occupancies. Unless separated by a minimum of 100' open space, all buildings, whether portable buildings or the main building, will be considered one building for alarm occupant load consideration and interconnection of alarm systems.

(44) Section 907.2.3; add exception 1.1 to read as follows:

[F] Exceptions:

1. A manual fire alarm system is not required in Group E educational and day care occupancies with an occupant load of 30 or less when provided with an approved automatic sprinkler system.
 - 1.1. Residential In-Home day care with not more than 12 children may use interconnected single station detectors in all habitable rooms. (For care of more than five children 2 1/2 or less years of age, see Section 907.2.6.)

(45) Section 907.4.2 Manual fire alarm boxes to read as follows:

[F] {Text unchanged}.....Sections 907.4.2.1 through 907.4.2. 6. 7

(46) Add Section 907.4.2.7 to read as follows:

[F] 907.4.2.7 Type. Manual alarm initiating devices shall be an approved double action type.

(47) Add Section 907.6.1.1 to read as follows:

[F] 907.6.1.1 Wiring Installation. All fire alarm systems shall be installed in such a manner that a failure of any single initiating device or single open in an initiating circuit conductor will not interfere with the normal operation of other such devices. All signaling line circuits (SLC) shall be installed in such a way that a single open will not interfere with the operation of any addressable devices (Class A). Outgoing and return SLC conductors shall be installed in accordance with NFPA 72 requirements for Class A circuits and shall have a minimum of four feet separation horizontal and one foot vertical between supply and return circuit conductors. The initiating device

circuit (IDC) from an addressable input (monitor) module may be wired Class B, provided the distance from the addressable module to the initiating device is ten feet or less.

(48) Add Section 907.6.5.3 to read as follows:

[F] 907.6.5.3 Communication requirements. All alarm systems, new or replacement, shall transmit alarm, supervisory and trouble signals descriptively to the approved central station, remote supervisory station or proprietary supervising station as defined in NFPA 72, with the correct device designation and location of addressable device identification. Alarms shall not be permitted to be transmitted as a General Alarm or Zone condition.

(49) Section 910.1; amend Exception 2 to read as follows:

[F] 2. Where areas of buildings are equipped with early suppression fast-response (ESFR) sprinklers, ~~automatic-only manual~~ smoke and heat vents shall ~~not~~ be required within these areas. Automatic smoke and heat vents are prohibited.

(50) Section 910.2 Where Required; amend to read as follows:

[F] {Text unchanged}.....Sections 910.2.1 ~~and through~~ 910.2.2 4

(51) Add subsections 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.

(52) 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.

(53) 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

(54) Add Section 912.2.3 to read as follows:

[F] 912.2.3 Hydrant distance. An approved fire hydrant shall be located within 100 feet of the fire department connection as the fire hose lays along an unobstructed path.

(55) Section 913.1; add second paragraph and exception to read as follows:

[F] When located on the ground level at an exterior wall, the fire pump room shall be provided with an exterior fire department access door that is not less than 3 ft. in width and 6 ft. – 8 in. in height, regardless of any interior doors that are provided. A key box shall be provided at this door, as required by IFC Section 506.1.

Exception: When it is necessary to locate the fire pump room on other levels or not at an exterior wall, the corridor leading to the fire pump room access from the exterior of the building shall be provided with equivalent fire resistance as that required for the pump room, or as approved by the fire code official. Access keys shall be provided in the key box as required by IFC Section 506.1.

(56) Section 1004.1.2; delete exception:

1004.1.2 Areas without fixed seating. The number of occupants shall be computed at the rate of one occupant per unit of area as prescribed in Table 1004.1.2. For areas without fixed seating, the occupant load shall not be less than that number determined by dividing the floor area under consideration by the occupant load factor assigned to the function of the space as set forth in Table 1004.1.2. Where an intended function is not listed in Table 1004.1.2, the building official shall establish a function based on a listed function that most nearly resembles the intended function.

~~**Exception:** Where approved by the building official, the actual number of occupants for whom each occupied space, floor or building is designed, although less than those determined by calculation, shall be permitted to be used in the determination of the design occupant load.~~

(57) Section 1007.1; add Exception 4 to read as follows:

Exceptions:

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.

(58) 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}

(59) Section 1008.1.9.3; add Section 1008.9.3.1 to read as follows:

Section 1008.9.3.1. Where egress doors are used in pairs and positive latching is required, approved automatic flush bolts shall be permitted to be used, 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.

(60) Section 1008.1.9.4; amend exceptions 3 and 4 to read as follows:

Exceptions:

3. 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}*

(61) 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}*

(62) 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.

(63) 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.

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

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.

(65) Section 1018.6; amend to read as follows:

1018.6, Corridor Continuity. ~~Fire-Resistance-Rated~~ All corridors shall be continuous from the point of entry to an *exit*, and shall not be interrupted by intervening rooms. *{Remainder unchanged}*

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

Exceptions: {*Exceptions 1 through 3 unchanged*}

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

(67) Section 1028.1.1.1; delete.

(68) Section 1029.1; amend and add Exception 4 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.

(69) 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.

(70) 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 ~~less than~~ 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*.

(71) 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.

e. [delete]

(72) Section 1505.7; delete the section

(73) Section 1507.8; amend to read as follows:

Section 1507.8 Wood shingles. The installation of wood shingles shall comply with the provisions of this section and Table 1507.8 is prohibited.

(74) Section 1507.9; amend to read as follows:

Section 1507.9 Wood shakes. The installation of wood shakes shall comply with the provisions of this section and Table 1507.8 is prohibited.

(75) 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.

(76) 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.

(77) Table 2902.1; amend 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.

(78) Section 2902.1.3; add new Section 2902.1.3 to read as follows:

2902.1.3 Additional fixtures for food preparation facilities. In addition to the fixtures required in this Chapter, all food service facilities shall be provided with additional fixtures set out in this section.

2902.1.3.1 Hand washing lavatory. At least one hand washing lavatory shall be provided for use by employees that is accessible from food preparation, food dispensing and ware washing areas. Additional hand washing lavatories may be required based on convenience of use by employees.

2902.1.3.2 Service sink. In new or remodeled food service establishments, at least one service sink or one floor sink shall be provided so that it is conveniently located for the cleaning of mops or similar wet floor cleaning tool and for the disposal of mop water and similar liquid waste. The location of the service sink(s) and/or mop sink(s) shall be approved by Tarrant County Health Department

(78) Section 3006.1; amend to read as follows:

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

(79) **Section 3006.4; add a sentence to read as follows and delete exceptions 1 and 2:**

[F] 3006.4. 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.”

(80) **Section 3109.1; amend 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 complying with applicable state laws.

(81) **Section 3401.6 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*.

(82) **Section 3401.5 6 Dangerous Conditions.** {Remainder unchanged.}

Sec. 10-143-19-170. – Reserved.

SECTION 2.

That Article IV of Chapter 10, “Buildings and Building Regulations,” of the Burleson Code of Ordinances is hereby amended to read as follows:

ARTICLE IV. - INTERNATIONAL RESIDENTIAL CODE

Sec. 10-171. - Adopted.

The 2012 Edition of the International Residential Code is hereby adopted as the official residential code of the City of Burleson, Texas. This residential code is fully incorporated by reference as though copied into this ordinance in its entirety. The material contained in the 2012 Edition of the International Residential Code shall be maintained as a public record in the office of the City Secretary and will be available for inspection and copying during regular business hours.

Sec. 10-172. - Amendments.

The 2012 Edition of the International Residential Code adopted herein is hereby amended as follows:

(1) Section R102.4; amend 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.

(2) Section R105.2; amend to read as follows

R105.2 Work exempt from permit.

Building: Delete items #1, #2, #5, and 9

(3) Section R108 Fees; add Section R108.7 Re-Inspection Fee.

R108.7 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) The building address is not clearly posted;
- 3) The building is locked or work otherwise not accessible for inspection;
- 4) Work is given a correction notice for the same item twice or more;
- 5) Violations exist on the property including failure to maintain erosion control or trash control

(4) Delete Section R110.1 through R110.5

(5) Delete Section R112 Board of Appeals.

(6) Section R202; amend 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.

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

GROUND SNOW LOAD	WIND DESIGN		SEISMIC DESIGN CATEGORY ^f
	SPEED ^d (mph)	Topographic Effects ^k	
<u>5 lb/ft²</u>	<u>90 (3-sec-gust)/76 fastest mile</u>	<u>No</u>	<u>A</u>

SUBJECT TO DAMAGE FROM		
Weathering ^a	Frost line depth ^b	Termite ^c
<u>moderate</u>	<u>6"</u>	<u>very heavy</u>

WINTER DESIGN TEMP ^e	ICE BARRIER UNDER-LAYMENT REQUIRED ^h	FLOOD HAZARDS ^g	AIR FREEZING INDEX ⁱ	MEAN ANNUAL TEMP ^j
<u>22°F</u>	<u>No</u>	<u>local code</u>	<u>150</u>	<u>64.9°F</u>

{No change to footnotes}

(8) Section R302.1, Exceptions; add exception #6 to read as follows:

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

(9) Section R302.2, Exception; amend 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}

(10) Section R302.2.4, Exception 5; amend to read as follows:

5. Townhouses separated by a common 1-hour fire-resistance-rated wall as provided in Section R302.2.

(11) Section R302.3, Exceptions; add Exception #3 to read as follows:

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

(12) Section R302.5.1; amend 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 equipped with a self-closing device.

- (13) **Section 302.5.2 Duct Penetration; amend to read as follows:**
Ducts in the garage and ducts *{text unchanged}* shall have no openings in the garage, and shall be protected per Section 302.11 item 4.
- (14) **Section R303.3, Exception; amend to read as follows:**
Exception: The glazed areas *{remainder unchanged}* unless the space contains only a water closet, a lavatory, or water closet and a lavatory may be ventilated with an approved mechanical recirculating fan or similar device designed to remove odors from the air.
- (15) **Section R303.4 Mechanical Ventilation; amend to read as follows:**
Where the air infiltration rate of a dwelling unit is less than 5 air changes per hour or less when tested with a blower door at a pressure of 0.2 inch w.c. (50 Pa) in accordance with Section N1102.4.1.2, the dwelling unit shall be provided with whole-house mechanical ventilation in accordance with Section M1507.3.
- (16) **Section R303.9; amend to read as follows:**
R303.9 Required heating. ~~When the winter design temperature in Table R301.2(1) is below 60°F (16°C),~~ Every dwelling unit shall be provided with heating facilities capable of maintaining a minimum room temperature of 68° (20°) at a point 3 feet (914mm) above the floor and 2 feet (610mm) from exterior walls in all habitable rooms at the design temperature (balance unchanged).
- (17) **Section R315.3, amend and add exceptions as follows:**
Where required in existing dwellings. Where 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.
- (18) **Section R322.1; amend to read as follows:**
R324.1 General. Buildings and structures, when permitted to be constructed in flood hazard areas (including A or V Zones) as established in Table R301.2(1) shall be designed and constructed as required in accordance with the provisions contained in this section or by other local provisions as applicable. Buildings and structures located in whole or in part in identified floodways shall be designed and constructed in accordance with ASCE 24.

(19) **Section R401.2, amended by adding a new paragraph to read as follows.**

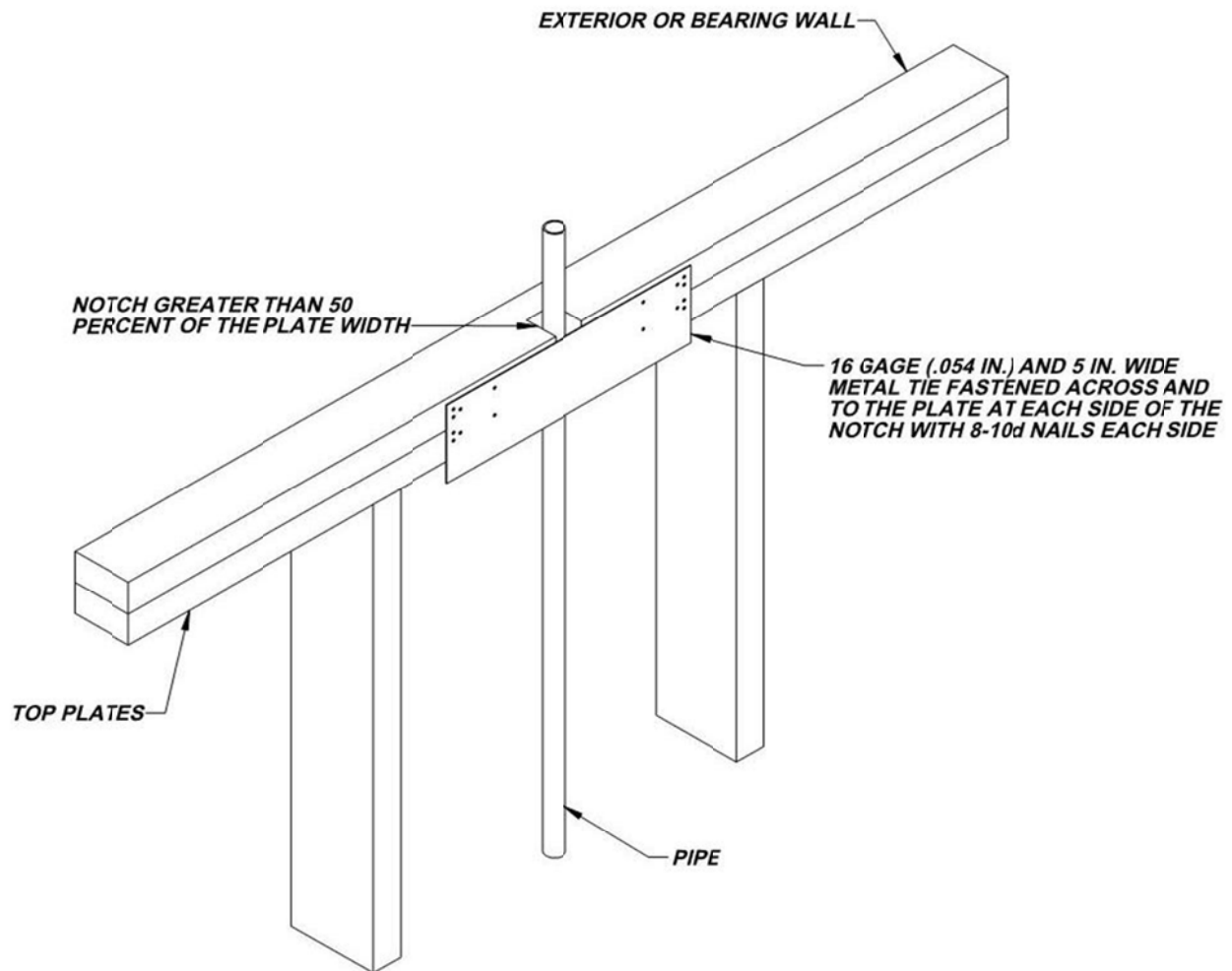
Section R401.2. Requirements. Foundation construction shall... *{existing text unchanged}* ...

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.

(20) **Section 602.6.1; amend to read as follows:**

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 ~~4½ inches (38 mm)~~ 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}*

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



(22) 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 #4 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 in areas ~~designated by law as requiring their use or when the edge of the roof is less than 3 feet from a lot line.~~ *{remainder unchanged}*
Exceptions:
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 (area defined by jurisdiction).
- (24) **Section R905.7 amend to read as follows:**
R905.7 Wood shingles. The installation of wood shingles in new construction is prohibited
- (25) **Section R905.8 amend to read as follows:**
R905.8 Wood shakes. The installation of wood shakes in new construction is prohibited
- (26) **Section R907.1 add a sentence as follows:**
R907.1 General. All individual replacement shingles or shakes shall comply with Section R902.1.
- (27) **Part IV – Energy Conservation - Chapter 11 [RE] insert text to read as follows:**
Residential Provisions for Energy Efficiency shall comply with the 2012 International Energy Conservation Code
- (28) **Section M1305.1.3; amend to read as follows:**
M1305.1.3 Appliances in attics. *Attics* containing *appliances* access shall be provided . . . *{bulk of paragraph unchanged}* . . . sides of the *appliance* where access is required. The attic access shall be either 1, 2, or 3 below. The clear access opening dimensions shall be ~~a minimum of 20 inches by 30 inches (508 mm by 762 mm)~~ 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.
- (29) **Section M1411.3; amend to read as follows:**
M1411.3 Condensate disposal. Condensate from all cooling coils or evaporators shall be conveyed from the drain pan outlet to ~~an approved place of disposal~~ a sanitary sewer through a trap, by means of a direct or indirect drain.

{remaining text unchanged}

(30) Section M1411.3.1, amend 3 and 4 to read as follows;

M1411.3.1 Auxiliary and secondary drain systems

3. An auxiliary drain pan... *{bulk of text unchanged}*... with Item 1 of this section. A water level detection device may be installed only with prior approval of the building official.
4. A water level detection device... *{bulk of text unchanged}*... overflow rim of such pan. A water level detection device may be installed only with prior approval of the building official.

(31) Section M1411.3.1.1; add text to read as follows:

M1411.3.1.1 Water-level monitoring devices. On down-flow units ...*{bulk of text unchanged}*... installed in the drain line. A water level detection device may be installed only with prior approval of the building official.

(32) Section M1501; add section M1501.2 to read as follows:

M1501.2 Exhaust duct size. The minimum diameter of the exhaust duct shall be as recommend by the manufacturer, shall be at least the diameter of the appliance outlet and shall be a minimum nominal size of 4 inches (102mm) in diameter. The size of duct shall not be reduced along its developed length nor at the point of termination.

(33) Section M1501; add section M1501.3 to read as follows:

M1501.3 Specified length. The maximum length of the exhaust duct shall be 35 feet (10668 mm) from the connection to the transition duct from the appliance to the outlet terminal. Where fittings are used, the maximum length of the exhaust duct shall be reduced in accordance with Table M1502.4.4.1.

(34) Section M1503.4; 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.

(35) Section M2005.2; amend 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.

(36) Section G2407.10; amend to read as follows:

G2407.10 (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 (6.4mm). 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.

(37) Section G2407.11 item 8; amend to read as follows:

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 (305mm) vertically from the adjoining grade level or the manufacturer's recommendation, whichever is more stringent.

(38) Section G2408.3; delete.

(39) Section G2415.2.1; 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"

(40) **Section G2415.2.2; add an exception to read as follows:**

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

(41) **Section G2415.12; amend to read as follows:**

G2415.12 Minimum burial depth. Underground *pipng systems* shall be installed a minimum depth of ~~42 inches (305 mm)~~ 18 inches (457 mm) below grade, except as provided for in Section G2415.12.1.

(42) **Section G2415.12.1; amend to read as follows:**

G2415.12.1) Individual outside appliances. Individual lines to outside lights, grills or other appliances shall be installed a minimum of ~~8~~12 inches (203 mm) below finished grade.... {*Rest unchanged*}.

(43) **Section G2417.1; amend to read as follows:**

G2417.1 General. Prior to acceptance and initial operation, all *pipng* 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 2417.1.1 through 2417.1.5 to determine compliance with the provisions of this *code*. The *permit holder* shall give reasonable advance notice to the *building official* when the *pipng 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.*

(44) **Section G2417.4; amend to read as follows:**

G2417.4 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. ~~Mechanical—gauges~~ Gauges used to measure... {*remainder unchanged*}

(45) **Section G2417.4.1; amend to read as follows:**

G2417.4.1 Test pressure. The test pressure to be used shall be not less than ~~one and one-half times the proposed maximum working pressure, but not less than 3 psig (20 kPa gauge), or at the discretion of the *Building Official*, the *pipng 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. irrespective of design pressure. Where the test pressure exceeds 125 psig (862 kPa gauge), the test pressure shall not exceed a value that produces a hoop stress in the *pipng* greater than 50 percent of the specified minimum yield strength of the *pipe*. For~~

tests requiring a pressure of 3 psig, mechanical gauges used to measure test pressures 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, mechanical-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. have a range such that the highest end of the scale is not greater than five times the test pressure.

For welded *pipng*, and for *pipng* 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 *pipng* 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.

(46) Section G2417.4.2; amend to read as follows:

G2417.4.2 Test duration. The test duration shall be held for a length of time satisfactory to the *Building Official*, but in no case for ~~be not~~ less than 40-fifteen (15) minutes. For welded *pipng*, and for *pipng* 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.

(47) Section G2420.1; add Section G2420.1.4 to read as follows:

G2420.1.4 Valves in CSST installations. Shutoff *valves* installed with corrugated stainless steel (CSST) *pipng* 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 *pipng*, 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 *pipng*.

(48) Section G2420.5.1; add text to read as follows:

G2420.5.1 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.

- (49) **Section G2421.1; add text and Exception to read as follows:**
G2421.1 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.
- (50) **Section G2422.1.2.3; delete Exception 1 and Exception 4.**
- (51) **Section G2439.5.1; add a sentence to read as follows:**
G2439.5.1 Material and Size. The size of duct shall not be reduced along its developed length nor at the point of termination.
- (52) **Section G2445.2 (621.2); add Exception to read as follows:**
G2445.2 (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 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.
- (53) **Section G2448.1.1; amend 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*.
- (54) **Section P2503.4; amend to read as follows:**
P2503.4 Building sewer testing. The building sewer shall be tested (bulk of section unchanged) testing with not less than a ~~40-foot~~ 4-foot head of water and be able to maintain such pressure for 15 minutes.
- (55) **Section P2603.2.1 amend to read as follows:**
P2603.2.1 Protection against physical damage. In concealed locations (bulk of section unchanged) Such shield plates shall have a thickness of not less than ~~0.0575 inch (1.463 mm) (16 Gage)~~ .062-inch-thick (1.6 mm). Such plates shall cover the area of the pipe where the member is notched or bored, and shall extend not less than 2 inches (51mm) above sole plates and below top plates.

- (56) **Section P2603.5.1; amend to read as follows:**
Section P2603.5.1 Sewer Depth. Building sewers that connect to private sewage disposal systems shall be not less than 12 inches below finished grade at the point of septic tank connection. Building sewers shall be not less than 12 inches below grade.
- (57) **Section P2709.2; add Exception to read as follows:**
Exception: Showers designed to comply with ICC / ANSI A117.1.
- (58) **Section P2709.5; add Section P2709.5 Testing**
Section P2709.5 Testing. Shower receptors shall be tested for water tightness by filling with water to the level of the rough threshold. The drain shall be plugged in a manner so that both sides of pans shall be subjected to the test at the point where it is clamped to the drain.
- (59) **Section P2801.5.2; add sentence to read as follows:**
Section P2801.5.2 Pan drain termination. The pan drain shall extend...(bulk of text unchanged) terminate not less than 6 inches and not more than 24 inches above the adjacent ground surface. For water heaters installed in garages, the pan drain may terminate to the garage floor that is sloped to drain to the outside.
- (60) **Section P2801.6; add Exception to read as follows:**
Exceptions: 2. Electric water heaters
- (61) **Section P2803.6.1; amend item 13 to read as follows:**
Section P2803.6.1 Requirements for discharge pipe.
13. Be constructed of brass pipe, chlorinated polyvinyl chloride (CPVC) plastic pipe and tubing, copper or copper-alloy tubing, galvanized steel pipe, or stainless steel pipe.
- (62) **Section P2902.5.3; amend to read as follows:**
P2902.5.3 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.
- (63) **Section P3005.2.6; change to read as follows:**
~~P3005.2.6 Base of stacks~~ 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.

(64) Section P3111; delete.

(65) 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.

(66) Part VIII — Electrical (Chapters 34 through 43) is hereby amended as follows:

(delete), code reference shall be according to 2014 edition of National Electrical Code as adopted

(67) Appendix A through Q is hereby amended as follows:

Appendix A through Q are for reference only as adopted and amended by other codes.

Sec. 10-173 – 10-200. – Reserved.

SECTION 3.

That Article V of Chapter 10, “Buildings and Building Regulations,” of the Burleson Code of Ordinances is hereby amended to read as follows:

ARTICLE V. – NATIONAL ELECTRIC CODE

Sec. 10-201. - Adopted.

The 2014 Edition of the National Electric Code is hereby adopted as the official electric code of the City of Burleson, Texas. This electric code is fully incorporated by reference as though copied into this ordinance in its entirety. The material contained in the 2014 Edition of the National Electric Code shall be maintained as a public record in the office of the City Secretary and will be available for inspection and copying during regular business hours.

Sec. 10-202. - Amendments.

The 2014 Edition of the National Electric Code adopted herein is hereby amended as follows:

- (1) **Article 100; add the following to definitions:**
Engineering Supervision. Supervision by a Qualified State of Texas Licensed Professional Engineer engaged primarily in the design or maintenance of electrical installations.

- (2) **Article 100; amend the following definition:**
Intersystem Bonding Termination. A device that provides a means for connecting intersystem bonding conductors for communication systems and other systems such as ~~metallic gas piping systems~~ to the grounding electrode system. Bonding conductors for other systems shall not be larger than 6 AWG.

- (3) **Article 110.2; amend the following to read as follows:**
110.2 Approval. The conductors and equipment required or permitted by this Code shall be acceptable only if approved. Approval of equipment may be evident by listing and labeling of equipment by a Nationally Recognized Testing Lab (NRTL) with a certification mark of that laboratory or a qualified third party inspection agency approved by the AHJ.

Exception: Unlisted equipment that is relocated to another location within a jurisdiction or is field modified is subject to the approval by the AHJ. This approval may be by a field evaluation by a NRTL or qualified third party inspection agency approved by the AHJ.

~~Manufacturer's self-certification of any equipment shall not be used as a basis for approval by the AHJ.~~

Informational Note No 1: See 90.7, Examination of Equipment for Safety, and 110.3, Examination, Identification, Installation, and Use of Equipment. See definitions of *Approved*, *Identified*, *Labeled*, and *Listed*.

Informational Note No. 2: Manufacturer's self-certification of equipment may not necessarily comply with US product safety standards as certified by a Nationally Recognized Testing Lab.

Informational Note No. 3: NFPA 790 and 791 provide an example of an approved method for qualifying a third party inspection agency.

(4) Article 210.52(G) (1) Garages: delete the following

(1) Garages. In each attached garage and in each detached garage with electric power. ~~The branch circuit supplying this receptacle(s) shall not supply outlets outside of the garage.~~ At least one receptacle outlet shall be installed for each car space.

(5) Article 230.2(A) is hereby amended to add a sixth Special Condition as follows:

230.2 Number of services. (A) #6. In supplying electrical service to multifamily dwellings, two or more laterals or overhead service drops shall be permitted to a building when both of the following conditions are met:

- a. The building has six or more individual gang meters and all meters are grouped at the same location.
- b. Each lateral or overhead service drop originates from the same point of service.

(6) Article 230.71(A); add the following exception:

Exception: Multi-occupant buildings. Individual service disconnecting means is limited to six for each occupant. The number of individual disconnects at one location may exceed six.

(7) Article 240.91; delete the Article.

(8) Article 300.11; add the following exception:

Exception: Ceiling grid support wires may be used for structural supports when the associated wiring is located in that area, not more than two raceways or cables supported per wire, with a maximum nominal metric designation 16 (trade size 1/2").

(9) Article 310.15(B) (7); amend to read as follows:

120/240 Volt, Single-Phase Dwelling Services and Feeders: This Article shall not be used in conjunction with 220.82.

(10) Article 500.8 (A) (3) amend to read as follows:

500.8 Equipment. Articles 500 through 504 require equipment construction and installation that ensure safe performance under conditions of proper use and maintenance.

(A) Suitability. Suitability of identified equipment shall be determined by one of the following:

- (1) Equipment listing or labeling
- (2) Evidence of equipment evaluation from a qualified testing laboratory or inspection agency concerned with product evaluation
- (3) Evidence acceptable to the authority having jurisdiction such as a manufacturer's self-evaluation or ~~an owner's engineering judgment.~~ an engineering judgment signed and sealed by a qualified Registered licensed Professional Engineer in the State of Texas.

(11) Article 505.7 (A) amend to read as follows:

505.7 Special Precaution.

Article 505 requires equipment construction and installation that ensures safe performance under conditions of proper use and maintenance.

(A) Implementation of Zone Classification System. Classification of areas, engineering and design, selection of equipment and wiring methods, installation, and inspection shall be performed by ~~a qualified persons~~ Registered licensed Professional Engineer in the State of Texas.

(12) Article 517.30 Essential Electrical Systems for Hospitals; create a new (H) and add the following language:

(G) Coordination. Overcurrent protective devices serving the equipment branch of the essential electrical system shall be coordinated for the period of time that a fault's duration extends beyond 0.1 second.

Exception No. 1: Between transformer primary and secondary overcurrent protective devices, where only one overcurrent protective device or set of overcurrent protective devices exists on the transformer secondary.

Exception No. 2: Between overcurrent protective devices of the same size (ampere rating) in series.

Informational Note: The terms coordination and coordinated as used in this section do not cover the full range of overcurrent conditions.

(H) Selective Coordination. Overcurrent protective devices serving the life safety, and critical branches of the essential electrical system shall be selectively coordinated with all supply-side overcurrent protective devices.

Exception No. 1: Between transformer primary and secondary overcurrent protective devices, where only one overcurrent protective device or set of overcurrent protective devices exists on the transformer secondary.

Exception No. 2: Between overcurrent protective devices of the same size (ampere rating) in series.

Informational Note: The terms coordination and coordinated as used in this section do not cover the full range of overcurrent conditions.

(13) Article 680.25(A) amend to read as follows:

680.25 Feeders. These provisions shall apply to any feeder on the supply side of panelboards supplying branch circuits for pool equipment covered in Part II of this article and on the load side of the service equipment or the source of a separately derived system.

(A) Wiring Methods.

(1) Feeders. Feeders shall be installed in rigid metal conduit, intermediate metal conduit. The following wiring methods shall be permitted if not subject to physical damage:

- (1) Liquidtight flexible nonmetallic conduit
- (2) Rigid polyvinyl chloride conduit
- (3) Reinforced thermosetting resin conduit
- (4) Electrical metallic tubing where installed on or in a building
- (5) Electrical nonmetallic tubing where installed within a building
- (6) Type MC Cable where installed within a building and if not subject to corrosive environment
- (7) Nonmetallic-sheathed cable
- (8) Type SE cable

~~Exception: A feeder within a one-family dwelling or two-family dwelling unit between remote panelboard and service equipment shall be permitted to run in flexible metal conduit or an approved cable assembly that includes an insulated equipment grounding conductor within its outer sheath. The equipment grounding conductor shall comply with 250.24(A) (5).~~

Sec. 10-203-10-230. – Reserved.

SECTION 4.

That Article VI of Chapter 10, “Buildings and Building Regulations,” of the Burses Code of Ordinances is hereby amended to read as follows:

ARTICLE VI. - INTERNATIONAL PLUMBING CODE

Sec. 10-231. - Adopted.

The 2012 Edition of the International Plumbing Code is hereby adopted as the official plumbing code of the City of Burleson, Texas. This plumbing code is fully incorporated by reference as though copied into this ordinance in its entirety. The material contained in the 2012 Edition of the International Plumbing Code shall be maintained as a public record in the office of the City Secretary and will be available for inspection and copying during regular business hours.

Sec. 10-232. - Amendments.

The 2012 Edition of the International Plumbing Code adopted herein is hereby amended as follows:

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

714 Engineered Computerized Drainage Design 67

(2) Section 101.2; amend to change wording in exception 1 as follows:

101.2 Scope (*Paragraph unchanged*)

Exceptions:

1. Detached one and two family dwellings (unchanged) International Residential Code as adopted.

(3) Section 102.8; amend 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.

(4) Section 106.6.2; amend to read as follows:

106.6.2 Fee schedule. The fees for all plumbing work shall be as indicated in the following schedule: ~~(JURISDICTION TO INSERT APPROPRIATE SCHEDULE)~~ adopted by resolution of the governing body of the jurisdiction.

(5) Section 106.6.3 Fee Refunds; amend to read as follows

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

(6) **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 Building Codes & Standards Board established by ordinance. The board shall be governed by the enabling ordinance.

(7) **Section 305.4.1; amend to read as follows:**

305.6.1 Sewer depth. Building sewers that connect to private sewage disposal systems shall be a minimum of [number] inches (mm) below finished grade at the point of septic tank connection. Building sewers shall be a minimum of 12 inches (304 mm) below grade.

(8) **Section 305.7; amend 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.

(9) **Section 314.2.1; amend 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.

(10) **Section 314.2.2; amend 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, ~~polybutylene~~, polyethylene, ABS, CPVC, or schedule 80 PVC pipe or tubing when exposed to ultra violet light. All components shall be selected for the pressure, ~~and~~ 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 ¾-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. All horizontal sections of drain piping shall be installed in uniform alignment at a uniform slope.

(11) **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.

(12) Section 403.1; amend to read as follows:

403.1 Minimum number of fixtures. Plumbing fixtures shall be provided for the type of *occupancy* and in the minimum number as follows:

1. Assembly Occupancies: At least one drinking fountain shall be provided at each floor level in an approved location.
2. Groups A, B, F, H, I, M and S Occupancies: Buildings or portions thereof where persons are employed shall be provided with at least one water closet for each sex except as provided for in Section 403.2.
3. Group E Occupancies: Shall be provided with fixtures as shown in Table 403.1.
4. Group R Occupancies: Shall be provided with fixtures as shown in Table 403.1.

The minimum number of fixtures provided shall also comply with the number shown in Table 403.1. Types of occupancies not shown in Table 403.1 shall be considered individually by the code official. The number of occupants shall be determined by the International Building Code. Occupancy classification shall be determined in accordance with the International Building Code.

(13) Section 405.6; delete.

(14) Section 409.2; amend 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.

(15) Section 412.4; amend to read as follows:

412.4 Required location Public laundries and central washing facilities. 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.

(16) Section 417.5.2; amend to read as follows:

417.5.2 Shower lining. Floors under shower compartments, except where prefabricated receptors have been provided, shall be lined and made water tight

utilizing material complying with Sections 417.5.2.1 through 417.5.2.4. Such liners shall turn up on all sides ~~not less than 2 inches (51mm)~~ at least 3 inches (76 mm) above the finished threshold level and shall extend outward over the threshold and fastened to the outside of the threshold jamb. Liners shall be recessed and fastened to an approved backing...{text unchanged}...and Section 417.7

(17) Section 417.7; add section to read as follows:

Section 417.7 Test for shower receptors. Shower receptors shall be tested for water tightness by filling with water to the level of the rough threshold. The drain shall be plugged in a manner so that both sides of pans shall be subjected to the test at the point where it is clamped to the drain.

(18) 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.

(19) Sections 502.6 & 502.6.1 ; Add sections 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 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.

(20) Section 504.6; amend 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. ~~located in the same room as the water heater.~~
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 the floor~~, to a 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 ~~more~~less than 6 inches or more than 24 inches (152 mm) above grade ~~the floor or~~ 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. The discharge piping material shall be one of the following:
 - a. Brass pipe
 - b. Chlorinated polyvinyl chloride (CPVC) plastic pipe and tubing
 - c. Copper or copper-alloy pipe
 - d. Copper or copper-alloy tubing
 - e. Ductile iron pipe
 - f. Galvanized steel pipe
 - g. Stainless steel pipe (Type 304/304L)
 - h. Stainless steel pipe (Type 316/316L)

(21) 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.

(22) 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.

(23) Section 606.1; delete items #4 and #5.

Section 606.1 Location of full-open valves. Full-open valves shall be installed in the following locations:

1. *Text unchanged*
2. *Text unchanged*
3. *Text unchanged*
4. *Delete*
5. *Delete*
6. *Text unchanged*

7. *Text unchanged*
8. *Text unchanged*

(24) Section 606.2; amend 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 sillcock.~~
3. 2. On the water supply pipe to each appliance or mechanical equipment.

(25) Section 608.1; amend 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, ~~except and~~ and as specifically stated in Sections 608.2 through 608.16.10.

(26) Section 608.16.5; amend 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.

(27) 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.

(28) Section 610.1; add exception to read as follows:

610.1 General. Exception: With prior approval the Code Official may wave this requirement when deemed un-necessary. by the Code Official.

(29) 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.

(30) **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.

(31) **Section 714, 714.1; amend to read as follows:**

SECTION 714
ENGINEERED COMPUTERIZED 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 computer* design methods.

(32) **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.

(33) **Section 903.1; amend 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.

(34) **Section 917 Single stack vent system. Delete entire section.**

(35) **Section 1002.10; delete.**

(36) **Section 1101.8; amend to read as follows:**

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

Exception: ~~Subsurface drainage system~~

(37) **Section 1106.1; amend 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 ~~the 100-year hourly rainfall rate indicated in Figure 1106.1 or on other rainfall rates determined from approved local weather data.~~

(38) Section 1107.3; amend to read as follows:

1107.3 Sizing of secondary drains. Secondary (emergency) roof drain systems shall be sized in accordance with Section 1106 ~~based on the rainfall rate for which the primary system is sized in Figure 1106.1 or on other rainfall rates determined from approved local weather data.~~ 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.

(39) Section 1202.1; delete Exception 2.

(40) Appendix A through G are for reference only as adopted and amended by other codes.

Sec. 10-233 – 10-260. – Reserved.

SECTION 5.

That Article VII of Chapter 10, “Buildings and Building Regulations,” of the Burleson Code of Ordinances is hereby amended to read as follows:

ARTICLE VII. - INTERNATIONAL MECHANICAL CODE

Sec. 10-261. - Adopted.

The 2012 Edition of the International Mechanical Code is hereby adopted as the official mechanical code of the City of Burleson, Texas. This mechanical code is fully incorporated by reference as though copied into this ordinance in its entirety. The material contained in the 2012 Edition of the International Mechanical Code shall be maintained as a public record in the office of the City Secretary and will be available for inspection and copying during regular business hours.

Sec. 10-262. - Amendments.

The 2012 Edition of the International Mechanical Code adopted herein is hereby amended as follows:

(1) Section 102.8; amend 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 106.5.2; amend to read as follows:

106.5.2 Fee schedule. The fees for all mechanical work shall be as adopted by resolution of the governing body of the jurisdiction.

(3) Section 109; amend to read as follows:

109 Means of Appeals. Delete entire section

(4) Section 304.7; delete.

(5) ~~Section 306.3; amend 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. 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:

4. A permanent stair.
5. A pull down stair with a minimum 300 lb (136 kg) capacity.
6. An access door from an upper floor level.
7. 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:

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

(6) Section 306.5; amend to read as follows:

306.5 Equipment and appliances on roofs or elevated structures. Where *equipment* requiring *access* or appliances are located on an elevated structure or the roof of a building such that personnel will have to climb higher than 16 feet (4877 mm) above grade to access, ~~an~~ a permanent interior or exterior means of access shall be provided. Permanent exterior ladders providing roof access need not extend closer than 8- 12 feet (2438 mm) to the finish grade or floor level below and shall extend to the equipment and appliances' level service space. Such *access* shall . . . *{bulk of section to read the same}*. . . on roofs having a

slope greater than 4 units vertical in 12 units horizontal (33-percent slope). ...
{bulk of section to read the same}.

(7) Section 306.5.1; amend to read as follows:

306.5.1 Sloped roofs. Where appliances, *equipment*, fans or other components that require service are installed ~~on a roof having a slope of 3 units vertical in 12 units horizontal (25-percent slope) or greater~~ on roofs having slopes greater than 4 units vertical in 12 units horizontal and having an edge more than 30 inches (762 mm) above grade at such edge, a catwalk at least 16 inches in width with substantial cleats spaced not more than 16 inches apart shall be provided from the roof access to a level platform at the appliance. The level platform shall be provided on each side of the appliance to which access is required for service, repair or maintenance. The platform shall be not less than 30 inches (762 mm) in any dimension and shall be provided with guards. The guards shall extend not less than 42 inches (1067 mm) above the platform, shall be constructed so as to prevent the passage of a 21-inch-diameter (533 mm) sphere and shall comply with the loading requirements for guards specified in the *International Building Code*.

(8) Section 306; add Section 306.6 and 306.6.1 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.

(9) Section 307.2.2; amend to read as follows:

307.2.2 Drain pipe materials and sizes. Components of the condensate disposal system shall be cast iron, galvanized steel, copper, cross-linked polyethylene, polybutylene, polyethylene, ABS, CPVC or schedule 80 PVC pipe or tubing when exposed to ultra violet light. All components shall be selected for the pressure, ~~and temperature, and exposure~~ rating of the installation. Pipe, joints and connections shall be made in accordance with the applicable provisions of Chapter 7 of the International Plumbing Code relative to the material type. {Remaining language unchanged}

- (10) **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.
- (11) **Section 403.2.1; add an item 5 to read as follows:**
8. Toilet rooms within private dwellings that contain only a water closet, lavatory or combination thereof may be ventilated with an approved mechanical recirculating fan or similar device designed to remove odors from the air.
- (12) **Section 501.3; add an exception to read as follows:**
- 501.3 Exhaust discharge.** The air removed by every mechanical exhaust system shall be discharged outdoors at a point where it will not cause a nuisance and not less than the distances specified in Section 501.2.1. The air shall be discharged to a location from which it cannot again be readily drawn in by a ventilating system. Air shall not be exhausted into an attic or crawl space.
- Exceptions:**
1. Whole-house ventilation-type attic fans shall be permitted to discharge into the attic space of dwelling units having private attics.
 2. Commercial cooking recirculating systems.
 3. Toilet room exhaust ducts may terminate in a warehouse or shop area when infiltration of outside air is present.
- (13) **Section 607.5.1; amend to read as follows:**
- 607.5.1 Fire Walls.** Ducts and air transfer openings permitted in fire walls in accordance with Section 705.11 of the International Building Code shall be protected with listed fire dampers installed in accordance with their listing. For hazardous exhaust systems see Section 510.1-510.9 IMC.
- (14) **Appendix A through B is hereby amended as follows:**
- Appendix A through B are for reference only as adopted and amended by other codes.

Sec. 10-263 – 10-290. – Reserved.

SECTION 6.

That Article IX of Chapter 10, "Buildings and Building Regulations," of the Burleson Code of Ordinances is hereby amended to read as follows:

ARTICLE IX. - INTERNATIONAL FUEL GAS CODE

Sec. 10-321. - Adopted.

The 2012 Edition of the International Fuel Gas is hereby adopted as the official fuel gas code of the City of Burleson, Texas. This fuel gas code is fully incorporated by reference as though copied into this ordinance in its entirety. The material contained in the 2012 Edition of the International Fuel Gas Code shall be maintained as a public record in the office of the City Secretary and will be available for inspection and copying during regular business hours.

Sec. 10-322. - Amendments.

The 2012 Edition of the International Fuel Gas Code adopted herein is hereby amended as follows:

(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; amend 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 106.6.2 amend to read as follows:

106.6.2 Fee Schedule. The fees for all fuel gas work shall be as adopted by resolution of the governing body of the jurisdiction.

(4) Section 106.6.3 amend to read as follows:

106.6.3 Fee Refunds. The code official shall establish a policy for authorizing the refunding of fees. (delete balance of section)

(5) Section 304.10; amend to read as follows:

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.

(6) Section 304.11; amend #8 to read as follows:

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.

(7) Section 305.5; delete the section.

(8) Section 306.3; amend 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), ~~and~~ or larger where such dimensions are not 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. 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:

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}*.

(9) Section 306.5; amend to read as follows:

[M] 306.5 Equipment and appliances on roofs or elevated structures. Where

equipment requiring access or appliances are located on an elevated structure or the roof of a building such that personnel will have to climb higher than 16 feet (4877 mm) above grade to access, ~~an a permanent~~ interior or exterior means of access shall be provided. Permanent exterior ladders providing roof access need not extend closer than 8ft. to the finish grade or floor level below and shall extend to the equipment and appliances' level service space. Such access shall . . . {bulk of section to read the same}. . . on roofs having a slope greater than 4 units vertical in 12 units horizontal (33-percent slope). ... {bulk of section to read the same}.

(10) Section 306.5.1; amend to read as follows:

[M] 306.5.1 Sloped roofs. Where appliances, *equipment*, fans or other components that require service are installed ~~on a roof having a slope of 3 units vertical in 12 units horizontal (25-percent slope) or greater~~ on roofs having slopes greater than 4 units vertical in 12 units horizontal and having an edge more than 30 inches (762 mm) above grade at such edge, a catwalk at least 16 inches in width with substantial cleats spaced not more than 16 inches apart shall be provided from the roof access to a level platform at the appliance. The level platform shall be provided on each side of the appliance to which access is required for service, repair or maintenance. The platform shall be not less than 30 inches (762 mm) in any dimension and shall be provided with guards. The guards shall extend not less than 42 inches (1067 mm) above the platform, shall be constructed so as to prevent the passage of a 21-inch-diameter (533 mm) sphere and shall comply with the loading requirements for guards specified in the International Building Code.

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

Section 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.

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.

Section 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.

(12) 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"

(13) 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).

(14) Section 404.12; amend to read as follows:

404.12 Minimum burial depth. Underground piping systems shall be installed a minimum depth of ~~42~~ 18 inches (305-~~458~~ mm) top of pipe below grade, ~~except as provided for in Section 404.10.1.~~

(15) Section 404.12.1; amend to read as follows:

404.12.1 Individual outside appliances. Individual lines to outside lights, grills or other appliances shall be installed a minimum of ~~8~~-12 inches (203 mm) top of pipe below finished grade, provided that such installation is approved and is installed in locations not susceptible to physical damage.

(16) Section 406.1; amend 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.

(17) Section 406.4; amend 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. ~~Mechanical gauges used to measure test pressures shall have a range such that the highest end of the scale is not greater than five times the test pressure.~~

(18) Section 406.4.1; amend to read as follows:

406.4.1 Test pressure. The test pressure to be used shall be no less than 1-1/2 times the proposed maximum working pressure, but no less than 3-3 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 manometer or slope gauge, irrespective of design pressure. Where the test pressure exceeds 125 psig (862 kPa gauge), the test pressure shall not exceed a value that produces a hoop stress in the piping greater than 50 percent of the specified minimum yield strength of the pipe. 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 1/2"), 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 1/2"), 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.

(19) Section 406.4.2; amend 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.)

(20) 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.

(21) 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.

(22) 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.

(23) Section 624.1.1; amend 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*.

(24) Appendix A through D is hereby amended as follows:

Appendix A through D are for reference only as adopted and amended by other codes.

Sec. 10-323 – 10-350. – Reserved.

SECTION 7.

That Article X of Chapter 10, “Buildings and Building Regulations,” of the Burleson Code of Ordinances is hereby amended to read as follows:

ARTICLE X. - INTERNATIONAL ENERGY CONSERVATION CODE

Sec. 10-351. - Adopted.

The 2012 Edition of the International Energy Conservation Code is hereby adopted as the official energy conservation code of the City of Burleson, Texas. This energy conservation code is fully incorporated by reference as though copied into this ordinance in its entirety. The material contained in the 2012 Edition of the International Energy Conservation Code shall be maintained as a public record in the office of the City Secretary and will be available for inspection and copying during regular business hours.

Sec. 10-352. - Amendments.

The 2012 Edition of the International Energy Conservation Code adopted herein is hereby amended as follows:

(1) Section C101.4.2 and R101.4.2; amend to read as follows:

C101.4.2/R101.4.2 Historic Buildings. Any building or structure that is listed in the State or National Register of Historic Places; designated as a historic property under local or state designation law or survey; certified as a

contributing resource with a National Register listed or locally designated historic district; or with an opinion or certification that the property is eligible to be listed on the National or State Registers of Historic Places either individually or as a contributing building to a historic district by the State Historic Preservation Officer of the Keeper of the National Register of Historic Places, ~~are exempt from~~ shall comply with all of the provisions of this code.

Exception: Whenever a provision or provisions shall invalidate or jeopardize the historical designation or listing, that provision or provisions may be exempted.

(2) Section C101.4.3; add exception #9 to read as follows:

Section C101.4.3 Additions, alterations, renovations or repairs.

Exception:

9. Replacement of existing fenestration, provided, however, that the area of the replacement fenestration does not exceed 25% of the total fenestration area of an existing building and that the U-factor and SHGC will be equal to or lower than before the fenestration replacement.

(3) Section C102/R102; add Section C102.1.2 and R102.1.2 to read as follows:

Section C102.1.2/R102.1.2 Alternative compliance. A building certified by a national, state, or local accredited energy efficiency program and determined by the Energy Systems Laboratory to be in compliance with the energy efficiency requirements of this section may, at the option of the Code Official, be considered in compliance. The United States Environmental Protection Agency's Energy Star Program certification of energy code equivalency shall be considered in compliance.

(4) Section C202 and R202; add the following definition:

GLAZING AREA. Total area of the glazed fenestration measured using the rough opening and including sash, curbing or other framing elements that enclose conditioned space. Glazing area includes the area of glazed fenestration assemblies in walls bounding conditioned basements. For doors where the daylight opening area is less than 50 percent of the door area, the glazing area is the daylight opening area. For all other doors, the glazing area is the rough opening area for the door including the door and the frame.

(5) Section C402.2.9/R402.2; Add Section C402.2.9 and R402.2.13 to read as follows:

Section C402.2.9/R402.2 Insulation installed in walls. To insure that insulation remains in place, insulation batts installed in walls shall be totally secured by an enclosure on all sides consisting of framing lumber, gypsum,

sheathing, wood structural panel sheathing, netting or other equivalent material approved by the building official.

(6) Section R402.2.2; amend the section to read as follows:

R402.2.2 Ceilings without attic spaces. Where Section R402.1.1 would require insulation levels above R-30 and the design of the roof/ceiling assembly does not allow sufficient space for the required insulation, the minimum required insulation for such roof/ceiling assemblies shall be R-30. This reduction of insulation from the requirements of Section R402.1.1 shall be limited to 500 square feet (46 m²) ~~or 20 percent of the total insulated ceiling area, whichever is less.~~ This reduction shall not apply to the U-factor alternative approach in Section R402.1.3 and the total UA alternative in Section R402.1.4

(7) Table R402.1.1 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT; Amend by changing the WOOD FRAME WALL R-VALUE for CLIMATE ZONE 3 to read as follows:

13

On September 1, 2016 this amendment shall no longer apply.

(8) Table R402.1.3 EQUIVALENT U-FACTORS; Amend by changing the WOOD FRAME WALL U- FACTOR for CLIMATE ZONE 3 to read as follows:

0.082

On September 1, 2016 this amendment shall no longer apply.

(9) R402.4.1.2 Testing; Add a last paragraph to read as follows:

Testing may only be performed by individuals that are certified HERS Raters or Rating Field Inspectors by RESNET or Performance Verification Technicians certified by Texas HERO, or other certifications as may be approved by the building official. The certified individuals must be an independent third-party entity, and may not be employed; or have any financial interest in the company that constructs the structure

(10) Section R402.4.1.2 Testing; amend to read as follows:

Section R402.4.1.2 Testing. The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 5 air changes per hour in Climate Zones 1 and 2, and 3 air changes per hour in Climate Zones 3 through 8. *{Remainder of text unchanged}*

On September 1, 2016 this amendment shall no longer apply.

(11) R403.2.2 Sealing (Mandatory); Add a last paragraph to read as follows:

Testing may only be performed by individuals that are certified HERS Raters or Rating Field Inspectors by RESNET or Performance Verification Technicians certified by Texas HERO, or other certifications as may be approved by the building official. The certified individuals must be an independent third-party entity, and may not be employed; or have any financial interest in the company that installed the duct system.

(12) Section R403.2.2; Amend to read as follows:

R403.2.3 Building cavities (Mandatory). Building framing cavities shall not be used as supply ducts and plenums. Building framing wall cavities in the exterior thermal envelope shall not be used as return ducts.

(13) Section R405.6.2; add the following sentence to read as follows:

Acceptable performance software simulation tools may include, but are not limited to, REM Rate™, Energy Gauge and IC3. Other performance software programs accredited by RESNET BESTEST and having the ability to provide a report as outlined in R405.4.2 may also be deemed acceptable performance simulation programs and may be considered by the building official.

Sec. 10-353-10-380. – Reserved.

SECTION 8.

The City of Burleson may from time to time determine that additional local modifications to the code adopted herein are necessary and appropriate to meet the unique needs of the City of Burleson. To effectuate modifications, the city council may enact individual ordinances amending this ordinance fully setting forth the changes to be made. Such subsequent amendments shall be consolidated as an exhibit to this ordinance, and shall be maintained as a public record in the office of the City Secretary, available for public inspection and copying during regular business hours.

SECTION 9.

This ordinance shall be cumulative of all provisions of ordinances of the City of Burleson except where the provisions of this ordinance are in direct conflict with the provisions of such ordinances, in which event the conflicting provisions of such ordinances are hereby repealed.

SECTION 10.

It is hereby declared to be the intention of the City Council that the phrases, clauses, sentences, paragraphs, and sections of this ordinance are severable, and if

any phrase, clause, sentence, paragraph or section of this ordinance shall be declared unconstitutional by the valid judgment or decree of any court of competent jurisdiction, such unconstitutionality shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this ordinance, since the same would have been enacted by the City Council without the incorporation in this ordinance of any such unconstitutional phrase, clause, sentence, paragraph or section.

SECTION 11.

All rights and remedies of the City of Burleson are expressly saved as to any and all violations of the provisions of any ordinances of the City of Burleson which have accrued at the time of the effective date of this ordinance; and, as to such accrued violations and all pending litigation, both civil and criminal, whether pending in court or not, under such ordinances, same shall not be affected by this ordinance but may be prosecuted until final disposition by the courts.

SECTION 12.

- (a) Unless otherwise provided herein, any person, firm or corporation who violates, disobeys, omits, neglects or refuses to comply with or who resists the enforcement of any of the provisions of this Ordinance shall be deemed guilty of a Class C misdemeanor and fined no more than Two Thousand Dollars (\$2,000.00) for all violations involving zoning, fire safety or public health and sanitation, and shall be fined not more than Five Hundred Dollars (\$500.00) for all other violations of this Ordinance. Each day that a violation is permitted to exist shall constitute a separate offense.
- (b) The penal provisions imposed under this Ordinance shall not preclude Burleson from filing suit to enjoin the violation. Burleson retains all legal rights and remedies available to it pursuant to local, state and federal law.

SECTION 13.

The City Secretary of the City of Burleson is hereby authorized to publish this ordinance in book or pamphlet form for general distribution among the public, and the operative provisions of this ordinance as so published shall be admissible in evidence in all courts without further proof than the production thereof.

SECTION 14.

The City Secretary of the City of Burleson is hereby directed to publish the caption and penalty clause of this ordinance in the official newspaper of the City of

Burleson, Texas, as required by Section 52.011 of the Texas Local Government Code.

SECTION 15.

This ordinance shall be in full force and effect from and after its passage and publication as required by law, and it is so ordained.

PASSED AND APPROVED this the ____ day of _____, _____.

Mayor, Ken Shetter

Attest:

City Secretary, Amanda McCrory

Approved as to form and legality:

Attorney

Printed Name