

## **ORDINANCE 2347**

**AN ORDINANCE AMENDING THE HURST CODE OF ORDINANCES BY AMENDING CHAPTER 5 OF THE HURST CODE OF ORDINANCES, BUILDING REGULATIONS. ADOPTING THE 2015 EDITIONS OF THE INTERNATIONAL BUILDING CODE, INTERNATIONAL RESIDENTIAL CODE, INTERNATIONAL ENERGY CONSERVATION CODE, INTERNATIONAL PLUMBING CODE, INTERNATIONAL FUEL GAS CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL PROPERTY MAINTENANCE CODE, INTERNATIONAL SWIMMING POOL AND SPA CODE AND THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE INCLUDING AMENDMENTS AND DELETIONS TO EACH CODE; AND AMENDING CHAPTER 8 FIRE PROTECTION AND PREVENTION OF THE HURST CODE OF ORDINANCES; PROVIDING FOR ARSON REWARD AND ADOPTING THE INTERNATIONAL FIRE CODE INCLUDING AMENDMENTS AND DELETIONS; PROVIDING A SAVINGS CLAUSE; PROVIDING A PENALTY CLAUSE; AND PROVIDING AN EFFECTIVE DATE**

**WHEREAS**, the Codes, Appeals and Advisory Board of the City of Hurst has reviewed the proposed adoptions and amendments and has recommended to the City Council that they be adopted; and

**WHEREAS**, the City Council finds that the adoption of the International Model Codes along with local amendments and deletions is in the best interest of the citizens of Hurst.

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

**SECTION 1.** That all matters stated hereinabove are found to be true and correct and are incorporated herein by reference.

**SECTION 2:** That the City of Hurst Code of Ordinances be amended by revising Chapter 5, Article I "In General" by deleting the current Chapter 5, Article I and replacing it to read as follows:

### **ARTICLE I. IN GENERAL**

#### **Sec. 5-1. Codes, Appeals and Advisory board.**

**(a) Membership, qualifications, terms.** There is hereby created a seven-member board to be known as a Codes, Appeals and Advisory Board which shall be composed of two (2) members holding certificates of registration as an electrical contractor or master electrician, two (2) persons holding licenses as plumbing contractors or master plumbers, two (2) persons with building construction experience and one (1) member of the general public. Three (3) members shall have terms expiring in even numbered years and four (4) shall have terms expiring in odd numbered years. Terms shall be for two (2) years except

for initial appointments. Members may be reappointed after expiration of the terms. Members shall be appointed by the governing body and shall elect a chairman from their membership who shall have the same voting rights as any other member. There shall be two (2) alternate lay members who shall have the right to vote in the absence of regular members. Alternate members shall have terms of one (1) year. Four (4) members of the Codes, Appeals and Advisory Board shall constitute a quorum for the transaction of business. Any action at any meeting shall require the affirmative vote of at least four (4) members.

**(b) Appeals.** Any person may appeal an interpretation of the electrical, building, residential, energy, mechanical, plumbing, fuel gas, property maintenance or fire codes or the disapproval or refusal of any permit authorized by any of such codes by filing a written notice of appeal with the official who made the interpretation or who refused or disapproved a permit. Such notice of appeal must be filed within ten (10) days of the decision being appealed. The board shall hear such appeal within thirty (30) days of the filing of the notice of appeal. Both the official whose decision is being appealed and the party appealing the decision shall be notified of the date and time of such hearing at least seventy-two (72) hours before such hearing. Said notice to the building official and appealing party may be by mail, telephone or facsimile; however, the meeting will meet the requirements of state law and the Open Meetings Act insofar as public notice. The board shall decide such matter within fourteen (14) calendar days of such hearing. The board is authorized to exercise those powers granted to the board of appeals for the particular code relevant to the matter being appealed.

The Code appeals and advisory board shall also have jurisdiction to hear appeals concerning the designation by the police chief of a multi-family dwelling community as a required participant in the mandatory crime reduction program. The process shall be as set out in the sections in this chapter, Article XI, Mandatory Multi-family Dwelling Crime Reduction Program.

The Codes, Appeals and Advisory Board is designated to hear those appeals as set forth in Article XII Housing Code.

**(c) Amendments.** The board shall review all proposed code amendments to the building, residential, plumbing, fuel gas, mechanical, energy, pools and spas, fire, electrical and property maintenance codes prior to their consideration by the City Council.

**Sec. 5-2 thru 5-4. Reserved.**

**Sec. 5-5. Fencing of swimming pools.**

**(a) Fence required.** Every owner, lessee, tenant, licensee or other person in possession of land within the corporate limits of the city upon which is situated a swimming pool shall at all times maintain a fence, wall or barrier that completely surrounds the swimming pool. The fence, wall or barrier shall be not less than four (4) feet in height with no openings, holes or gaps large enough for a sphere four (4) inches in diameter to pass through. A single-family, duplex or accessory building may be used as a part of such

enclosure, provided that all outside entrances into the swimming pool area or court are equipped with gates as described in this section.

**(b) Gates.** All gates opening directly into a swimming pool enclosure shall be equipped with self-closing and self-latching devices designed to keep, and capable of keeping, such gate securely closed at all times when not in actual use. The gate handle must be at least 42” inches above grade. Self-closing and self-latching devices are not required on doors, which provide access into buildings.

**(c) New installations.** A person who, on or after March 31, 1989, obtains a permit to install a swimming pool, is responsible for assuring compliance with the revisions [provisions] of this section.

**(d) Contractor’s responsibility.** Before the pool is filled with water, the swim contractor is responsible for:

- (1) Ensuring that the fence/enclosure is complete.
- (2) Ensuring that all required gate latches and self-closers are in place and operating.
- (3) A final inspection shall be obtained from the city inspection office prior to the actual use of the swimming pool.

**(e) Existing installations.** All gates into swimming pool enclosures, which lawfully existed prior to March 31, 1989, shall be made to fully comply with the self-closing and self-latching provisions of subsection (b) of this section before January 31, 1991.

**(f) See: 2015 International Pool and Spa Code adopted later in this code.** (See Article VI, Sec. 5-276)

### **Sec. 5-6. Erection and construction of fences; permit.**

**(a) Permit required.** It shall be unlawful for any person to erect or construct any fence or wall in the city without first obtaining a permit.

**(b) Notification of inspection required.** It shall be the responsibility of the person erecting a fence within the city limits to establish the property corners of the fence and, after the property corners are established, to notify the city inspection department and request inspection to conform with this section.

**(c) Re-Inspection fees.** Re-Inspection fees for permits as set forth in this section shall be as set from time to time by the city manager.

**(d) Permit fees.** Permit fees shall be as set from time to time by the city manager.

**Sec. 5-7. Swimming pools--Insanitary; closing order.**

(a) Upon inspection and determination by either the county health department or the city's health officer or their designee that any swimming pool within the corporate limits of the city is insanitary, the city through its inspection office shall order that the same be closed and same be made sanitary or completely drained within five (5) days thereof and that the owner or manager of the premises be ordered to enforce such closing order prohibiting the use of the swimming pool. A sign shall be placed in a prominent position adjacent to the pool noting that the same has been closed by order of the city due to insanitary conditions and the same shall remain until conditions are corrected or the pool is drained.

(b) It shall be unlawful for any person to use a pool, which has been closed; it shall likewise be unlawful for any person to remove or deface the sign referred to in subsection (a).

(c) If the pool is a part of the required recreation area for a multi-family property, the owner of the property must reopen the pool in a sanitary condition and approved by the county health department, within 15 day of the date the pool was ordered closed or provide other recreational facilities approved by the city inspector.

**Sec. 5-8. Same--When draining is required.**

(a) A swimming pool closed under the provisions of section 5-7 shall be drained unless owner corrects the insanitary condition within five calendar (5) days of such closing. Such pool shall likewise be drained if the owner or manager of the premises fails to enforce the closing order prohibiting the use of the swimming pool.

(b) It shall be unlawful to fail to drain the swimming pool within twenty-four (24) hours after the same is ordered drained by the city.

(c) Should the city have to drain said pool or have said pool drained the owner will be responsible to reimburse the city for the cost thereof.

**Sec. 5-9. Reserved.**

**Sec. 5-10. Registration of contractors.** Any person or firm that does or causes any work to be done within the city must first register as a contractor with the appropriate department or division of the city. A registration application form must be filled out and the appropriate fee must be paid at the time of registration.

Exception:

(1) Persons or firms doing work or causing work to be done that does not

require a permit or licenses by other sections of this code.

(2) When the work being done is being performed by a charitable or not for profit organization and said organization is not being compensated for doing the work.

(3) A homeowner is performing work on his or her own home that is their homestead.

**Sec. 5-11. Cellulose insulation fiberboard.** Notwithstanding anything within the International Building Codes to the contrary, no cellulose insulating exterior sheathing shall be used within the corporate limits of the city unless it is treated with a fire retardant chemical and certified to be self-extinguishing upon ignition. Fiberboard sheathing, when applied, shall not be used for the purpose of under coursing for any roof assembly.

**Sec. 5-12 Fees.** Fees for permits, licenses, registration of contractors and tradesmen shall be set by the city manager from time to time after review and recommendation by the Codes, Appeals and Advisory board and city council.

**Sec. 5-13 thru 5-25 Reserved.**

**SECTION 3:** That the City of Hurst Code of Ordinances be amended by revising Chapter 5, Article II “International Building Code” by deleting Chapter 5, Article II “International Building Code and Moving Buildings” and replacing it with Chapter 5, Article II “International Building Code and International Residential Code and Moving Buildings” Division 1 “International Building Code” and Division II “International Residential Code” and by leaving intact Division 3 “Moving Buildings” to read as follows:

## **ARTICLE II. INTERNATIONAL BUILDING CODE AND INTERNATIONAL RESIDENTIAL CODE AND MOVING BUILDINGS**

### **DIVISION 1. BUILDING CODE**

**Sec. 5-26. International Building Code-Adopted.** The International Building Code, 2015 Edition and appendices E, F, G, I and J as published by the International Code Council, Inc., a copy of which is on file in the office of the City Secretary, as amended by Section 5-27 and administered and enforced by the office of the Building Official is hereby adopted by reference and designated as the Building Code of the City as though such code were copied at length in this article.

**Sec. 5-27. Same-Deletions and Amendments.** The building code adopted in this article is hereby amended and changed in the following respects:

**(1) Section 101.1, change to read as follows:**

101.1 Title. These regulations shall be known as the Building Code of the City of Hurst, hereafter referred to as “this code.”

**(2) Section 101.4; change to read as follows:**

**101.4 Referenced codes.** The other codes listed in Sections 101.4.1 through 101.4.8 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.

**(3) Section 101.4.7; change to read as follows:**

Existing buildings undergoing repair, alterations or additions and/or change of occupancy shall be permitted to comply with the International Existing Building Code only with prior approval of the Building Official.

**(4) Section 101.4.8; add section to read:**

**101.4.8 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.

**(5) Section 103 and 103.1 amend to insert the Department Name**

## **SECTION 103**

### **BUILDING INSPECTIONS DEPARTMENT**

**103.1 Creation of enforcement agency.** The City of Hurst Building Inspections Department is hereby created and the official in charge thereof shall be known as the Building Official and is the Authority Having Jurisdiction, AHJ, to interpret and enforce this code.

**(6) Section 105.1; Add second paragraph to read as follows:** All contractors performing work that requires a permit by this code, with the exception of a homeowner performing work on their own home that is homesteaded in their name, shall register as a contractor, provide current and correct identification and proof of liability insurance as required with an annual registration fee established by the City Manager and reviewed by the City Council unless exempted by State law.

***(7) Section 105.2 Work exempt from permit; under sub-title entitled “Building” delete items 1, 2, 4 and 6 and re-number as follows:***

**Building:**

1. Oil derricks.
2. Water tanks supported directly on grade if the capacity is not greater than 5,000 gallons (18 925 L) and the ratio of height to diameter or width is not greater than 2:1.
3. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
4. Temporary motion picture, television and theater stage sets and scenery.
5. Prefabricated swimming pools accessory to a Group R-3 occupancy that are less than 24 inches (610 mm) deep, are not greater than 5,000 gallons (18 925 L) and are installed entirely above ground.
6. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.
7. Swings and other playground equipment accessory to detached one- and two-family dwellings.
8. Window awnings in Group R-3 and U occupancies, supported by an exterior wall that do not project more than 54 inches (1372 mm) from the exterior wall and do not require additional support.
9. Nonfixed and movable fixtures, cases, racks, counters and partitions not over 5 feet 9 inches (1753 mm) in height.

***(8) Section 105.3 , add #8.***

8. Have project approved as needed by the City Engineer, Planning and Community Development and Fire Department prior to submitting a permit application to the Building Inspection Department for review

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

**109.7 Re-inspection Fee.** A fee set by the City Manager and reviewed by the city council from time to time 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.

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

**109.8 Work without a permit.**

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

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

**109.9 Unauthorized cover up fee.** Any work concealed without first obtaining the required inspection in violation of Section 110 shall be assessed a fee as established by the city fee schedule.

**(11) Section 110.3.5; Lath, gypsum board and gypsum panel product inspection. Delete exception**

**(12) Section 111.1; Change to read as follows:**

**111.1 Use and occupancy.** No building or structure shall be used or occupied, and no change in the existing occupancy classification of a building or structure or portion thereof or change of owner, tenant or occupant shall be made until the building official has issued a certificate of occupancy therefore as provided herein. Issuance of a certificate of occupancy shall not be construed as an approval of, nor waiver of, nor a defense to a violation of the provisions of this code or other ordinances of the jurisdiction.

**(13) Section 114 Violations; amend section 114.3 to read as follows:**

**114.3 Prosecution of violation:** The building official of the City of Hurst is authorized to request the legal counsel of the City of Hurst to institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful occupancy of the building or structure in violation

of the provisions of this code or of the order or direction made pursuant thereto. It shall not be required to provide notice as set forth in section 114.2 prior to instituting the appropriate proceedings, and providing notice shall not be considered an element of the offense or a requirement before prosecution or other legal proceeding.

**(14) Section 202; change by adding or changing the following definitions:**

**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

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

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

**CODE OFFICIAL.** The officer or other designated authority, charged with the administration and enforcement of this code, or a duly appointed authorized representative.

**GRANTING A PERMIT.** For the purpose of complying with State Law, Granting a Permit shall mean: The Building Inspection Department has reviewed and approved the permit application and plans for issuance with or without plan reviewed comments and notified the applicant or their agent the permit is available to issue.

**HIGH-RISE BUILDING.** A building having any floor used for human occupancy located more than 55 feet (16 764 mm) above the lowest level of Fire Department vehicle access.

**REPAIR GARAGE.** A building, structure or portion thereof used for servicing or repairing motor vehicles. 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.

**SPECIAL INSPECTOR.** A qualified person employed or retained by an approved agency who shall prove to the satisfaction of the registered design professional in responsible

charge and the Building Official as having the competence necessary to inspect a particular type of construction requiring special inspection.

**(15) 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.

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

Fire stations  
Police stations with detention facilities for 5 or less

**(17) Section 307.1.1; 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 21, Dry Cleaning Plant provisions.

**(18) Section 403.1, Exception 3; change to read as follows:**

3. The open air portion of a building *[remainder unchanged]*

**(19) Section 403.3, Exception; delete item 2.**

**(20) Section 403.3.2; change to read as follows:**

**[F] 403.3.2 Water supply to required fire pumps.** In buildings that are more than 120 feet (36.5 m) in building height, required fire pumps shall be supplied by connections to no fewer than two water mains located in different streets. Separate supply piping shall be provided between each connection to the water main and the pumps. Each connection and the supply piping between the connection and the pumps shall be sized to supply the flow and pressure required for the pumps to operate.

**(21) Section 404.5; delete Exception.**

**(22) Section 406.3.5.1 Carport separation; add sentence to read as follows:**

A fire 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).

**(23) Section 507.2.2; add a sentence to read as follows:**

**507.2.2 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.

**(24) Section 712.1.9, change item 4 to read as follows:**

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

**(25) Section 901.8.1; add section to read as follows:**

**[F] Section 901.8.1 Riser Access.** All risers supplying multiple occupancies shall be located in a separate individual room to include an exterior door with direct access.

**Exception:** Buildings containing a single occupancy shall have an exterior door located within 10 feet (3048 mm) of the riser or an approved distance as determined by the code official.

ALL riser access doors shall be labeled with 6" (six inch) letters "Riser Room". A key box shall be provided at this door, as required by Section 506.1 of the International Fire Code.

See Section 901.4.6.1 of the International Fire Code for additional riser room requirements.

1. The piping between the Fire Department Connection (FDC) and the standpipe shall be backflushed when foreign material is present, and also hydrostatically tested for all FDC's on any type of standpipe system. Hydrostatic testing shall also be conducted in accordance with NFPA 25 requirements for the different types of standpipe systems.

**(26) Section 901.6.1; add Section 901.6.1.1 to read as follows:**

**[F] 901.6.1.1 Standpipe Testing.** Building owners/managers must maintain and test standpipe systems as per NFPA 25 requirements. The following additional requirements shall be applied to the testing that is required every 5 years:

1. For any manual (dry or wet) standpipe system not having an automatic water supply capable of flowing water through the standpipe, the tester shall connect hose from a fire hydrant or portable pumping system (as approved by the code official) to each FDC, and flow water through the standpipe system to the roof outlet to verify that

- each inlet connection functions properly. Confirm that there are no open hose valves prior to introducing water into a dry standpipe. There is no required pressure criteria at the outlet. Verify that check valves function properly and that there are no closed control valves on the system.
2. Any pressure relief, reducing, or control valves shall be tested in accordance with the requirements of NFPA 25. All hose valves shall be exercised.
  3. If the FDC is not already provided with approved caps, the contractor shall install such caps for all FDC's as required by the code official.
  4. Upon successful completion of standpipe test, place a blue tag (as per Texas Administrative Code, Fire Sprinkler Rules for Inspection, Test and Maintenance Service (ITM) Tag) at the bottom of each standpipe riser in the building. The tag shall be check-marked as "Fifth Year" for Type of ITM, and the note on the back of the tag shall read "5 Year Standpipe Test" at a minimum.
  5. The procedures required by Texas Administrative Code Fire Sprinkler Rules with regard to Yellow Tags and Red Tags or any deficiencies noted during the testing, including the required notification of the local Authority Having Jurisdiction (code official) shall be followed
  6. Additionally, records of the testing shall be maintained by the owner and contractor, if applicable, as required by the State Rules mentioned above and NFPA 25.
  7. Standpipe system tests where water will be flowed external to the building shall not be conducted during freezing conditions or during the day prior to expected night time freezing conditions.
  8. Contact the code official for requests to remove existing fire hose from Class II and III standpipe systems where employees are not trained in the utilization of this firefighting equipment. All standpipe hose valves must remain in place and be provided with an approved cap and chain when approval is given to remove hose by the code official.

***(27) Section 903.1.1; change to read as follows:***

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

***(28) 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.”

**(29) Section 903.2; delete exception.**

**(30) Section 903.2.9; add subsection 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.

**(31) Section 903.2.11; change subsection 903.2.11.3 and add subsections 903.2.11.7 and 903.2.11.8, and 903.2.11.9, as follows:**

**[F] 903.2.11.3 Buildings 35 feet or more in height.** An automatic sprinkler system shall be installed throughout buildings that have one or more stories, other than penthouses in compliance with Section 1510 of the International Building Code, located 35 feet (10 668 mm) or more above the lowest level of fire department vehicle access, measured to the finished floor.

**Exceptions:**

Open parking structures in compliance with Section 406.5 of the International Building Code, having no other occupancies above the subject garage.

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

**[F] 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.

**[F] 903.2.11.9 Buildings Over 6,000 sq. ft.** An automatic sprinkler system shall be installed throughout all buildings with a building area 6,000 sq. ft. or greater and in all existing buildings that are enlarged to be 6,000 sq. ft. or greater. For the purpose of this provision, fire walls shall not define separate buildings.

**Exception:** Open parking garages in compliance with Section 406.5 of the International Building Code.

**(32) Section 903.3.1.1.1; change to read as follows:**

**[F] 903.3.1.1.1 Exempt locations.** When approved by the 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. Elevator machine rooms, machinery spaces, and hoistways, other than pits where such sprinklers would not necessitate shunt trip requirements under any circumstances.

**(33) Section 903.3.1.2.3; add subsection to read as follows:**

**[F] Section 903.3.1.2.3 Attics and Attached Garages.** Sprinkler protection is required in attic spaces of such buildings two or more stories in height, in accordance with NFPA 13 and or NFPA 13R requirements, and attached garages.

**(34) Section 903.3.1.3; change to read as follows:**

**[F] 903.3.1.3 NFPA 13D sprinkler systems.** Automatic sprinkler systems installed in one- and two-family dwellings; Group R-3; Group R-4 Condition 1 and townhouses shall be permitted to be installed throughout in accordance with NFPA 13D or in accordance with state law.

**(35) Section 903.3.1.4; add subsections to read as follows:**

**[F] 903.3.1.4 Freeze protection.** Freeze protection systems for automatic fire sprinkler systems shall be in accordance with the requirements of the applicable referenced NFPA standard and this section.

**[F] 903.3.1.4.1 Attics.** Only dry-pipe, preaction, or listed antifreeze automatic fire sprinkler systems shall be allowed to protect attic spaces.

**Exception:** Wet-pipe fire sprinkler systems shall be allowed to protect non-ventilated attic spaces where:

1. The attic sprinklers are supplied by a separate floor control valve assembly to allow ease of draining the attic system without impairing sprinklers throughout the rest of the building, and
2. Adequate heat shall be provided for freeze protection as per the applicable referenced NFPA standard, and
3. The attic space is a part of the building's thermal, or heat, envelope, such that insulation is provided at the roof deck, rather than at the ceiling level.

**[F] 903.3.1.4.2 Heat trace/insulation.** Heat trace/insulation shall only be allowed where approved by the code official for small sections of large diameter water-filled pipe.

**[F] 903.3.1.4.3 Protection Against Freezing.** New and existing fire sprinkler systems, including risers, shall be an approved design to protect against freezing or be in a conditioned space in order to maintain a temperature above 40 degrees Fahrenheit (four degrees Celsius). Areas or rooms containing risers shall be monitored for temperature conditions by the fire alarm panel and send a supervisory signal upon alarm. Heaters shall be hard wired with a maintenance disconnect in a location to be determined by the code official.

**(36) Section 903.3.5; 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 water-based fire protection system shall be designed with a 10 psi safety factor. Reference Section 507.4 for additional design requirements.

**(37) Section 903.4; 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.

**(38) Section 903.4.2; add second paragraph to read as follows:**

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

***(39) Section 905.2; change 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 and low alarm.

***(40) Section 905.3; add subsection 905.3.9 and exception to read as follows:***

**[F] 905.3.9 Buildings exceeding 10,000 sq. ft.** In buildings exceeding 10,000 square feet in area per story and 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, Class I automatic wet or manual wet standpipes shall be provided.

**Exceptions:**

1. Automatic dry and semi-automatic dry standpipes are allowed as provided for in NFPA 14.
2. R-2 occupancies of four stories or less in height having no interior corridors.

***(41) Section 905.4, change Item 1., 3., and 5. and add Item 7. to read as follows:***

**[F] 1.** In every required exit stairway, a hose connection shall be provided for each story above and below grade plane. Hose connections shall be located at an intermediate landing between stories, unless otherwise approved by the code official.

2. {No change.}

3. In every exit passageway, at the entrance from the exit passageway to other areas of a building.

**Exception:** Where floor areas adjacent to an exit passageway are reachable from an exit stairway hose connection by a .....{No change to rest.}

4. {No change.}

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 hose connection located to serve the roof or at the highest landing of an exit stairway with stair access to the roof provided in accordance with Section 1011.12.

6. {No change.}

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, or as otherwise approved by the code official.

***(42) Section 905.9; 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.

**(43) Section 907.1; add Section 907.1.4 to read as follows:**

[F] **907.1.4 Design standards.** Where a new fire alarm system is installed, the devices shall be addressable. Fire alarm systems utilizing more than 20 smoke detectors shall have analog initiating devices.

**(44) Section 907.2.1; change to read as follows:**

[F] **907.2.1 Group A.** A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 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 707.3.10 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: {No change.}

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.

**(45) 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 and 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.

**Exceptions:**

1. {No change.}
  - 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.)

{No change to remainder of exceptions.}

**(46) Section 907.2.11; Add second paragraph to add 907.2.10.4 text to remain in the Hurst City Code as follows:**

**Smoke alarms.**

(a) Every dwelling unit within a multi-family dwelling, every guest room in a hotel used for sleeping purposes and every rented dwelling unit in any other residential property shall, be provided with smoke alarms conforming to nationally recognized standards. Such smoke alarms shall be required in every dwelling unit in every type of residential property before any certificate of occupancy is granted or renewed. No building permit for alterations requiring the expenditure of more than one thousand dollars (\$1,000.00) shall be granted without the installation of smoke alarms.

(b) The number of smoke alarms, and the manner and location of installation shall be set forth in the International Building Code or International Residential Code except that on rental property such alarms shall not be only battery-powered, but shall be wired directly into the power supply of the dwelling unit.

(c) Smoke alarms shall be maintained in operating condition. Multi-family rental property shall be inspected annually by the fire department and/or building inspection department to determine whether smoke alarms are present and operating. If the fire department and/or building inspection department is refused access to any rental dwelling unit upon reasonable notice, and for purposes of this section ten (10) calendar days shall be considered reasonable notice, the apartment owner will be deemed guilty of a misdemeanor and, upon conviction thereof, fined not less than twenty-five (\$25.00) or more than five hundred (\$500.00) per dwelling unit. If a smoke alarm required for a rental unit is inoperable, the rental unit owner or occupant will be deemed guilty of a misdemeanor and, upon conviction thereof, fined not less than twenty-five (\$25.00) or more than five hundred (\$500.00) per dwelling unit. Furthermore, should the owner or manager fail to come into compliance within thirty (30) days of re-inspection, the certificate of occupancy of that multi-family office will be automatically revoked, and the utility company serving such office shall be required to discontinue service thereto. Such certificate of occupancy and service shall not be restored until all smoke alarms comply with this section.

(d) In the event that the smoke alarm is inoperable due to the absence of electricity of the dwelling unit, a battery-powered smoke alarm shall be temporarily installed until electrical power to the dwelling unit is restored.

(e) Persons removing, disabling or possessing a smoke alarm with the battery removed or possessing a disabled smoke alarm shall be subject to immediate issuance of citation, with no warning period. It shall be an affirmative defense that the person provided written notification to the landlord or apartment manager of the defective smoke alarm.

**(47) Section 907.2.13, Exception 3; change to read as follows:**

**[F] 3.** Open air portions of buildings with an occupancy in Group A-5 in accordance with Section 303.1 of the *International Building Code*; however, this exception does not apply to accessory uses including but not limited to sky boxes, restaurants and similarly enclosed areas.

**(48) Section 907.4.2; 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.

**(49) Section 907.6.1; 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 a signaling line circuit interface device may be wired Class B, provided the distance from the interface device to the initiating device is ten feet or less.

**(50) Section 907.6.3; delete all four Exceptions.**

**(51) Section 907.6.6; – add sentence at end of paragraph to read as follows:**

**[F]** See 907.6.3 for the required information transmitted to the supervising station.

**(52) Section 909.22; add to read as follows:**

**[F] 909.22 Stairway or ramp pressurization alternative.** Where the building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 and the stair pressurization alternative is chosen for compliance with Building Code requirements for a smokeproof enclosure, interior exit stairways or ramps shall be pressurized to a minimum of 0.10 inches of water (25 Pa) and a maximum of 0.35 inches of water (87 Pa) in the shaft relative to the building measured with all interior exit stairway and ramp doors closed under maximum anticipated conditions of stack effect and wind

effect. Such systems shall comply with Section 909, including the installation of a separate fire-fighter's smoke control panel as per Section 909.16, and a Smoke Control Permit shall be required from the Fire Department as per Section 105.7.

**[F] 909.22.1 Ventilating equipment.** The activation of ventilating equipment for the stair or ramp pressurization system shall be by smoke detectors installed at each floor level at an approved location at the entrance to the smokeproof enclosure. When the closing device for the stairway or ramp shaft and vestibule doors is activated by smoke detection or power failure, mechanical equipment shall activate and operate at the required performance levels. Smoke detectors shall be installed in accordance with Section 907.3.

**[F] 909.22.1.1 Ventilation systems.** Smokeproof enclosure ventilation systems shall be independent of other building ventilation systems. The equipment, control wiring, power wiring and ductwork shall comply with one of the following:

1. Equipment, control wiring, power wiring and ductwork shall be located exterior to the building and directly connected to the smokeproof enclosure or connected to the smokeproof enclosure by ductwork enclosed by not less than 2-hour fire barriers constructed in accordance with Section 707 of the Building Code or horizontal assemblies constructed in accordance with Section 711 of the Building Code, or both.
2. Equipment, control wiring, power wiring and ductwork shall be located within the smokeproof enclosure with intake or exhaust directly from and to the outside or through ductwork enclosed by not less than 2-hour barriers constructed in accordance with Section 707 of the Building Code or horizontal assemblies constructed in accordance with Section 711 of the Building Code, or both.
3. Equipment, control wiring, power wiring and ductwork shall be located within the building if separated from the remainder of the building, including other mechanical equipment, by not less than 2-hour fire barriers constructed in accordance with Section 707 of the Building Code or horizontal assemblies constructed in accordance with Section 711 of the Building Code, or both.

**Exceptions:**

1. Control wiring and power wiring utilizing a 2-hour rated cable or cable system.
2. Where encased with not less than 2 inches (51 mm) of concrete.
3. Control wiring and power wiring protected by a listed electrical circuit protective systems with a fire-resistance rating of not less than 2 hours.

**[F] 909.22.1.2 Standby power.** Mechanical vestibule and stairway and ramp shaft ventilation systems and automatic fire detection systems shall be provided with standby power in accordance with Section 2702 of the Building Code.

**[F] 909.22.1.3 Acceptance and testing.** Before the mechanical equipment is approved, the system shall be tested in the presence of the code official to confirm that the system is operating in compliance with these requirements.

**(53) Section 910.2; change Exception 2. and 3.to read as follows:**

[F] 2. Only manual smoke and heat removal shall be required in areas of buildings equipped with early suppression fast-response (ESFR) sprinklers. Automatic smoke and heat removal is prohibited.

[F] 3. Only manual smoke and heat removal shall be required in areas of buildings equipped with control mode special application sprinklers with a response time index of  $50(m*S)^{1/2}$  or less that are listed to control a fire in stored commodities with 12 or fewer sprinklers. Automatic smoke and heat removal is prohibited

**(54) Section 910.2; 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 m<sup>2</sup>) 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.

**(55) Section 910.3; add subsections 910.3.4, 910.3.4.1, 910.3.4.2 to read as follows:**

[F] **910.3.4 Vent operation.** Smoke and heat vents shall be capable of being operated by approved automatic and manual means. Automatic operation of smoke and heat vents shall conform to the provisions of Sections 910.3.2.1 through 910.3.2.3.

[F] **910.3.4.1 Sprinklered buildings.** Where installed in buildings equipped with an approved automatic sprinkler system, smoke and heat vents shall be designed to operate automatically. The automatic operating mechanism of the smoke and heat vents shall operate at a temperature rating at least 100 degrees F (approximately 38 degrees Celsius) greater than the temperature rating of the sprinklers installed.

**Exception:** Manual only system per 910.2

**[F] 910.3.4.2 Nonsprinklered buildings.** Where installed in buildings not equipped with an approved automatic sprinkler system, smoke and heat vents shall operate automatically by actuation of a heat-responsive device rated at between 100°F (56°C) and 220°F (122°C) above ambient.

**Exception:** Listed gravity-operated drop out vents.

**(56) Section 910.4.3.1; change to read as follows:**

**[F] 910.4.3.1 Makeup air.** Makeup air openings shall be provided within 6 feet (1829 mm) of the floor level. Operation of makeup air openings shall be automatic. The minimum gross area of makeup air inlets shall be 8 square feet per 1,000 cubic feet per minute (0.74 m<sup>2</sup> per 0.4719 m<sup>3</sup>/s) of smoke exhaust.

**(57) Section 910.4.4; change to read as follows:**

**[F] 910.4.4 Activation.** The mechanical smoke removal system shall be activated automatically by the automatic sprinkler system or by an approved fire detection system. Individual manual controls shall also be provided.

**Exception:** Manual only systems per Section 910.2.

**(58) Section 912.2; 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.

**(59) Section 913.2.1; 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 Section 506.1 of the International Fire Code.

**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 code official. Access keys shall be provided in the key box as required by Section 506.1.

**(60) Section 1006.2.2.6 Add a new Section 1006.2.2.6 as follows:**

**1006.2.2.6 Electrical Rooms.** For electrical rooms, special exiting requirements may apply. Reference the electrical code as adopted.

**(61) Section 1009.1; add the following Exception 4:**

**Exceptions:**

*{previous exceptions unchanged}*

4. Buildings regulated under State Law and built in accordance with State registered plans, including any variances or waivers granted by the State, shall be deemed to be in compliance with the requirements of Section 1009.

**(62) Section 1010.1.9.4 Bolt Locks; amend exceptions 3 and 4 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}*

**(63) Section 1015.8 Window Openings. REVISE text as follows:**

1. Operable windows where the top of the sill of the opening is located more than 55 feet (16 764 mm) above the finished grade or other surface below and that are provided with window fall\_prevention devices that comply with ASTM F 2006.

**(64) Section 1020.1 Construction; add exception 6 to read as follows:**

6. In group B occupancies, corridor walls and ceilings need not be of fire-resistive construction within a single tenant space when the space is equipped with approved automatic smoke-detection within the corridor. The actuation of any detector shall activate self-annunciating alarms audible in all areas within the corridor. Smoke detectors shall be connected to an approved automatic fire alarm system where such system is provided.

**(65) Section 1029.1.1.1 Delete this section. Spaces under grandstands and bleachers.**

**(66) Section 1101.2 Design. Change Section 1101.2 by adding the following sentence:**

Also, buildings and facilities shall be designed and constructed in accordance with the Elimination of Architectural Barriers Act (currently Texas Government Code Chapter 469 and 2016 Texas Administrative Code Chapter 68) adopted and incorporated by reference as if set forth in their entirety.

**(67) 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 the air infiltration rate in a *dwelling unit* 5 air changes or less per hour when tested with a blower door {remainder of text unchanged} . . .

**(68) 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.

**(69) Section 1505.7; delete the section**

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

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

{text of exception unchanged}

**(71) Section 1704.2, Special inspections and tests is amended to read as follows:**

**1704.2 Special inspections and tests.** Where application is made to the Building Official for construction as specified in Section 105, the owner or the owner's authorized agent, or the registered design professional in responsible charge, other than the contractor, shall employ one or more approved agencies to provide special inspections and tests during

construction on the types of work listed under Section 1705 and identify the approved agencies to the Building Official. The special inspector shall not be employed by the contractor. These special inspections and tests are in addition to the inspections identified by the Building Official that are identified in Section 110.

**(72) Section 1704.2.1, *Special inspector qualifications, is amended to read as follows:***

**1704.2.1 Special inspector qualifications.** Prior to the start of construction and or upon request, the approved agencies shall provide written documentation to the registered design professional in responsible charge and the building official demonstrating the competence and relevant experience or training of the special inspectors who will perform the special inspections and tests during construction. [Remainder unchanged]

**(73) Section 1704.2.4, *Report requirement, is amended to read as follows:***

**1704.2.4 Report requirement.** Approved agencies shall keep records of special inspections and tests. The approved agency shall submit reports of special inspections and tests to the Building Official upon request, and to the registered design professional in responsible charge. Individual inspection reports shall indicate that work inspected or tested was or was not completed in conformance to approved construction documents. [Remainder unchanged]

**(74) Section 1704.2.5.1, *Fabricator approval, is amended to read as follows:***

**1704.2.5.1 Fabricator approval.** Special inspections during fabrications required by Section 1704 are not required where the work is done on the premises of a fabricator registered and approved to perform such work without special inspection. Approval shall be based upon review of the fabricator's written procedural and quality control manuals and periodic auditing of fabrication practices by an approved agency, or a fabricator that is enrolled in a nationally accepted inspections program. At completion of fabrication, the acceptable or approved fabricator shall submit a certificate of compliance to the owner or the owner's authorized agent or the registered design professional in responsible charge, stating that the work was performed in accordance with the approved construction documents. The certificate of compliance shall also be made available to the Building Official upon request.

**(75) 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.

***(76) Section 2902.1; add a second paragraph to read as follows:***

In other than E Occupancies, the minimum number of fixtures in Table 2902.1 may be lowered, if requested in writing, by the applicant stating reasons for a reduced number and approved by the Building Official.

***(77) Table 2902.1; add 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 the City of Hurst's health department.

***(79) Section 3002.1 Hoistway Enclosure Protection. add exceptions to read as follows:***

**Exceptions:**

1. Elevators wholly located within atriums complying with Section 404 shall not require hoistway enclosure protection.

2. Elevators in open or enclosed parking garages that serve only the parking garage, and complying with Sections 406.5 and 406.6, respectively, shall not require hoistway enclosure protection.

**(80) Section 3005.4 Machine rooms, control rooms, machinery spaces and control spaces. Revise text to read:**

Elevator machine rooms, control rooms, control spaces and machinery spaces shall be enclosed with fire barriers constructed in accordance with Section 707 or horizontal assemblies constructed in accordance with Section 711, or both.

[Remainder unchanged]

**(81) Section 3005.7 add a Section 3005.7 as follows:**

**3005.7 Fire Protection in Machine rooms, control rooms, machinery spaces and control spaces.**

**3005.7.1 Automatic sprinkler system.** The building shall be equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1, except as otherwise permitted by Section 903.3.1.1.1 and as prohibited by Section 3005.7.2.1.

**3005.7.2.1 Prohibited locations.** Automatic sprinklers shall not be installed in machine rooms, elevator machinery spaces, control rooms, control spaces and elevator hoist-ways.

**3005.7.2.2 Sprinkler system monitoring.** The sprinkler system shall have a sprinkler control valve supervisory switch and water-flow initiating device provided for each floor that is monitored by the building's fire alarm system.

**3005.7.3 Water protection.** An approved method to prevent water from infiltrating into the hoistway enclosure from the operation of the automatic sprinkler system outside the elevator lobby shall be provided.

**3005.7.4 Shunt trip.** Means for elevator shutdown in accordance with Section 3005.5 shall not be installed.

**(82) Section 3005.8 add Section 3005.8 as follows:**

**3005.8 Storage.** Storage shall not be allowed within the elevator machine room, control room, machinery spaces and or control spaces. Approved signage must be displayed at each entry to the above listed locations stating: "No Storage Allowed.

**(83) Section 3006.2 Hoistway opening protection required. Revise text as follows:**

5. The building is a high rise and the elevator hoistway is more than 55 feet (16 764 mm) in height. The height of the hoistway shall be measured from the lowest floor at or above grade to the highest floors served by the hoistway.

**(84) Section 3109.1; change to read as follows:**

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

**Section 5-28 through 5-45 Reserved**

## **DIVISION II. RESIDENTIAL CODE**

**Sec 5-46. International Residential Code – Adopted.** The International Residential Code, 2015 Edition and Appendices G, H and J as published by the International Code Council, Inc., a copy of which is on file in the office of the City Secretary, as amended by Sec.5-47, administered and enforced by the office of the building official is hereby adopted by reference and designated as the Residential Code of the City as though such code were copied at length in this article.

**Sec 5-47. Same – Deletions and Amendments.** The following sections, paragraphs, and sentences of the *International Residential Code, 2015 Edition and Appendices* are hereby amended as follows:

The residential code adopted in this article is hereby amended and changed in the following respects:

**(1) Section R101.1, insert jurisdiction name as follows :**

**R1.1.1 Title.** These provisions shall be known as the Residential Code for One- and Two-Family Dwellings of the City of Hurst, and shall be cited as such and will be referred to herein as “this code.”

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

**R102.4 Referenced codes and standards.** The codes, when specifically adopted, and

standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference and as further regulated in Sections R102.4.1 and R102.4.2. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the amendments as well. Any reference made to NFPA 70 or the Electrical Code shall mean the Electrical Code as adopted.

*(3) Section R103 and 103.1 amend to insert the Department Name*

## **SECTION R103**

### **BUILDING INSPECTIONS DEPARTMENT**

**R103.1 Creation of a code enforcement agency.** The City of Hurst Building Inspections Department is hereby created and the official in charge thereof shall be known as the Building Official.

*(4) Section R104.10.1 Flood Hazard areas; delete this section.*

*(5) Section R105.2, items #1, 2 & 3; change as follows:*

1. One-story detached accessory structures, provided the floor area does not exceed 120 square feet (11.15 m<sup>2</sup>) or 11 feet in height or on a permanent foundation.
2. Fences not over 36 inches (914mm) high.
3. Retaining walls that are not over 1 foot (304 mm) in height...*{remainder unchanged.}*...

*(6) Section R105.3.1.1& R106.1.4; delete these sections.*

*(7) Section R108 Fees; add a sentence to R108.2 and R108.6 as follows:*

**R108.2 Schedule of permit fees.** {bulk of sentence unchanged}... The fees for all such work shall be set by the City Manager and reviewed by City Council from time to time.

**R108.6 Work commencing before permit issuance.** {bulk of sentence unchanged}...a fee established by the applicable governing authority that shall be in addition to the required permit fees and may also be subject to municipal court action.

**(8) Section R109.1.3; change to read as follows:**

**R109.1.3 Floodplain inspections.** For construction permitted in areas prone to flooding as established by Table R301.2(1), upon . . . *{bulk of section unchanged}* . . . construction, documentation, prepared and sealed by a registered *design professional*, of the elevation of the lowest floor, including *basement*, required in Section R322, shall be submitted upon request by the building official..

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

**(10) Amend Section 113.3 to read as follows:**

**113.3 Prosecution of violation:** The building official of the City of Hurst is authorized to request the legal counsel of the City of Hurst to institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful occupancy of the building or structure in violation of the provisions of this code or of the order or direction made pursuant thereto. It shall not be required to provide notice as set forth in section 113.2 prior to instituting the appropriate proceedings, and providing notice shall not be considered an element of the offense or a requirement before prosecution or other legal proceeding.

**(11) Section R202; change by adding or changing the following definitions:**

**CODE OFFICIAL.** The officer or other designated authority charged with the administration and enforcement of this code, or a duly authorized representative.

**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.

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

GROUND SNOW LOAD	WIND SPEED <sup>d</sup> (mph)	SEISMIC DESIGN CATEGORY <sup>h</sup>
5 lb/ft	115 (3-sec-gust)/76 fastest mile	A

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

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

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

**Exceptions:**

{1-5 Unchanged}

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

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

**Exceptions:**

1. {existing text unchanged}
2. {existing text unchanged}
3. Two-family dwelling units that are also divided by a property line through the structure shall be separated as required for townhouses.

**(15) Section R302.5.1; change to read as follows:**

**R302.5.1 Opening protection.** Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 1 inches (35 mm) thick, or 20-minute fire-rated doors.

**(16) Section R303.3, Exception; amend to read as follows:**

**Exception:** {existing text unchanged} Exhaust air from the space shall be exhausted out to the outdoors 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.

**(17) Section R311.9; add to read as follows:**

**R311.9 Under stair protection.** Enclosed accessible space under stairs shall have walls, under stair surface and any soffits protected on the enclosed side with 5/8-inch (15.8 mm) fire-rated gypsum board or one-hour fire-resistive construction.

**(18) Section R313 Automatic Fire Sprinkler Systems. Delete R313.1 and 313.2 in their entirety and replace with R313 as show below, said requirement to remain in Hurst Code of Ordinances as it has been:**

One- and two-family dwellings with 10,000 square feet (3 048 000 mm) or more shall be equipped with automatic fire sprinklers. This requirement applied to initial construction and renovations to one- and two-family dwellings.

**(19) Section R315.2.2 Alterations, repairs and additions. Amend to read as follows:**

**Exceptions:**

2. Installation, alteration or repairs of electrically powered\_{remaining text unchanged}

**(20) Section R322 Flood Resistant Construction. Delete Section.**

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

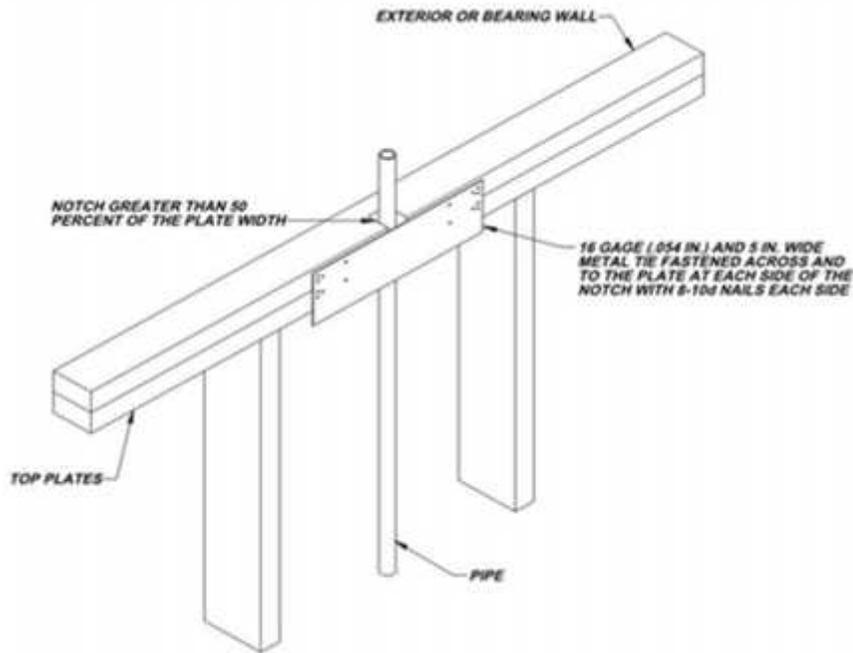
**Section R401.2. Requirements. {existing text unchanged} ...**

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

**(22) Section R602.6.1; amend the following:**

**R602.6.1 Drilling and notching of top plate.** When piping or ductwork is placed in or partly in an exterior wall or interior load-bearing wall, necessitating cutting, drilling or notching of the top plate by more than 50 percent of its width, a galvanized metal tie not less than 0.054 inch thick (1.37 mm) (16 Ga) and 5 inches (127 mm) wide shall be fastened across and to the plate at each side of the opening with not less than eight 10d (0.148 inch diameter) nails 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}

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



(24) *Section R703.8.4.1; 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.

(25) *Section R902.1; Amend and add exception #5 to read as follows:*

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

Exceptions:

1. {text unchanged}

2. {text unchanged}

3. {text unchanged}

4. {text unchanged}

5. Non-classified roof coverings shall be permitted on one-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 200 square feet or as approved by the code official.

**(26) Chapter 11 [RE] – Energy Efficiency is deleted in its entirety and replaced with the following:**

**N1101.1 Scope.** This chapter regulates the energy efficiency for the design and construction of buildings regulated by this code.

**N1101.2 Compliance.** Compliance shall be demonstrated by meeting the requirements of the residential provisions of 2015 International Energy Conservation Code.

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

**M1305.1.3 Appliances in attics.** Attics containing appliances shall be provided . . . {bulk of paragraph unchanged} . . . sides of the appliance where access is required. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm by 762 mm), or larger and large enough to allow removal of the largest appliance. A walkway to an appliance shall be rated as a floor as approved by the building official. As a minimum, for access to the attic space, provide one of the following:

1. A permanent stair.
2. A pull down stair with a minimum 300 lb (136 kg) capacity.
3. An access door from an upper floor level.

**Exceptions:**

1. The passageway and level service space are not required where the appliance can be serviced and removed through the required opening.
2. Where the passageway is unobstructed...{remaining text unchanged}

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

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

**(29) Section M1411.3.1, Items 3 and 4; add text to read as follows:**

**M1411.3.1 Auxiliary and secondary drain systems.** {bulk of paragraph unchanged}

1. {text unchanged}
2. {text unchanged}
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.

**(30) 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.

**(31) M1503.4 Makeup Air Required Amend and add exception as follows:**

**M1503.4 Makeup air required.** Exhaust hood systems capable of exhausting in excess of 400 cubic feet per minute (0.19 m<sup>3</sup>/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 m<sup>3</sup>/s) without providing makeup air. Exhaust hood systems capable of exhausting in excess of 600 cubic feet per minute (0.28 m<sup>3</sup>/s) shall be provided with makeup air at a rate approximately equal to the difference between the exhaust air rate and 600 cubic feet per minute.

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

**M2005.2 Prohibited locations.** Fuel-fired water heaters shall not be installed in a room used as a storage closet. Water heaters located in a bedroom or bathroom shall be installed in a sealed enclosure so that combustion air will not be taken from the living space. Access to such enclosure may be from the bedroom or bathroom when through a solid door, weather-stripped in accordance with the exterior door air leakage requirements of the International Energy Conservation Code and equipped with an approved self-closing device. Installation of direct-vent water heaters within an enclosure is not required

**(33) Section G2408.3 (305.5); delete.**

**(34) Section G2415.2.1 (404.2.1); add a second paragraph to read as follows:**

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

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

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

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

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

**G2415.12 (404.12) Minimum burial depth.** Underground piping systems shall be installed a minimum depth of 18 inches (457 mm) below grade.

**(37) Section G2417.1 (406.1); change to read as follows:**

**G2417.1 (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 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 *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.

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

**G2417.4 (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.

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

**G2417.4.1 (406.4.1) Test pressure.** The test pressure to be used shall be no less than 3 psig (20 kPa gauge), or at the discretion of the Code Official, the piping and valves may be tested at a pressure of at least six (6) inches (152 mm) of mercury, measured with a manometer or slope gauge. For tests requiring a pressure of 3 psig, diaphragm gauges shall utilize a dial with a minimum diameter of three and one half inches (3 ½”), a set hand, 1/10 pound incrementation and pressure range not to exceed 6 psi for tests requiring a pressure of 3 psig. For tests requiring a pressure of 10 psig, diaphragm gauges shall utilize a dial with a minimum diameter of three and one-half inches (3 ½”), a set hand, a minimum of 2/10 pound incrementation and a pressure range not to exceed 20 psi. For welded piping, and for piping carrying gas at pressures in excess of fourteen (14) inches water column pressure (3.48 kPa) (1/2 psi) and less than 200 inches of water column pressure (52.2 kPa) (7.5 psi), the test pressure shall not be less than ten (10) pounds per square inch (69.6 kPa). For piping carrying gas at a pressure that exceeds 200 inches of water column (52.2 kPa) (7.5 psi), the test pressure shall be not less than one and one-half times the proposed maximum working pressure.

Diaphragm gauges used for testing must display a current calibration and be in good working condition. The appropriate test must be applied to the diaphragm gauge used for testing.

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

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

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

**G2420.1.4 Valves in CSST installations.** Shutoff valves installed with corrugated stainless steel (CSST) piping systems shall be supported with an approved termination fitting, or equivalent support, suitable for the size of the valves, of adequate strength and

quality, and located at intervals so as to prevent or damp out excessive vibration but in no case greater than 12-inches from the center of the valve. Supports shall be installed so as not to interfere with the free expansion and contraction of the system's piping, fittings, and valves between anchors. All valves and supports shall be designed and installed so they will not be disengaged by movement of the supporting piping.

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

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

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

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

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

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

**(45) 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 Section 108.7 of the International Fuel Gas Code.

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

**G2448.1.1 (624.1.1) Installation requirements.** The requirements for water heaters relative to access, sizing, relief valves, drain pans and scald protection shall be in accordance with this code.

***(47) Section P2801.6.1; change to read as follows:***

**Section P2801.6.1 Pan size and drain.** The pan shall be not less than 1 ½ inches (38 mm) in depth and shall be of sufficient size and shape to receive all dripping or condensate from the tank or water heater. The pan shall be drained by an indirect waste pipe having a diameter of not less than ¾ inch (19 mm). Piping for safety pan drains shall be of those materials listed in Table 605.4.

Multiple pan drains may terminate to a single discharge piping system when approved by the administrative authority and permitted by the manufacture's installation instructions and installed with those instructions.

***(48) Section P2801.7; add Exception to read as follows:***

**Exceptions:**

1. Elevation of the ignition source {remainder of sentence unchanged}.
2. Electric Water Heater.

***(49) Section P2804.6.1; change to read as follows:***

**Section P2804.6.1 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.
3. Not be smaller than the diameter of the outlet of the valve served and shall discharge full size to the air gap.
4. Serve a single relief device and shall not connect to piping serving any other relief device or equipment.

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

5. Discharge to an indirect waste receptor or to the outdoors.

[remainder unchanged]

***(50) Section P2902.5.3; change 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.

**(51) Section P3003.9; Subsection P3003.9.2 change to read as follows:**

**P3003.9.2 Solvent cementing.** Joint surfaces shall be clean and free from moisture. A purple primer that conforms to ASTM F 656 shall be applied. Solvent cement not purple in color and conforming to ASTM D 2564, CSA B137.3, CSA B181.2 or CSA B182.1 shall be applied to all joint surfaces. The joint shall be made while the cement is wet and shall be in accordance with ASTM D 2855. Solvent cement joints shall be permitted above or below ground.

**(52) Section P3111; delete.**

**(53) 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 drain-board 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.

**(54) Chapters 34 through 43; delete. Replace with the electrical code as adopted.**

**Sections 5-48 thru 5-60 Reserved**

DIVISION 3. MOVING BUILDINGS

**Sections 5-61 thru 5-68 Unchanged**

**Sections 5-69 thru 5-100 Reserved**

**SECTION 4:** That the City of Hurst Code of Ordinances be amended by revising Chapter 5, Article III “Plumbing Code” by deleting the current Chapter 5, Article III “Plumbing Code” and replacing Chapter 5, Article III “Plumbing Code and International Fuel Gas Code” to read as follows:

**ARTICLE III. PLUMBING CODE AND INTERNATIONAL FUEL GAS CODE**

DIVISION 1. PLUMBING CODE

**Sec 5-101. International Plumbing Code – Adopted.** The International Plumbing Code, 2015 Edition and Appendices B, C, D and E as published by the International Code Council, Inc., a copy of which is on file in the office of the City Secretary, as amended by Sec. 5-102 and administered and enforced by the office of the Building Official is hereby adopted by reference and designated as the Plumbing Code of the City as though such code were copied at length in this article.

**Sec 5-102. Same – Deletions and Amendments.** The plumbing code adopted in this article is hereby amended and changed in the following respects:

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

**Section 714** Engineered Drainage Design . . . . . 69

**(2) Section 101.1, change to read as follows:**

101.1 Title. These regulations shall be known as the Plumbing Code of the City of Hurst, hereafter referred to as “this code.”

**(3) Section 102.8; change to read as follows:**

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

***(4) Sections 106.6.2 and 106.6.3; change to read as follows:***

106.6.2 Fee schedule. The fees for all plumbing work shall be set by the City Manager and reviewed by City Council from time to time.

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

***(5) Section 108.2; 108.3, 108.4, and 108.5; amend to read as follows:***

**108.2. Notice of violation.** The code official is authorized to serve a notice of violation or order to the person responsible for the erection, installation, alteration, extension, repair, removal or demolition of plumbing work in violation of the provisions of this code, or in violation of a detail statement or the *approved* construction documents thereunder, or in violation of a permit or certificate issued under the provisions of this code. Such order shall direct the discontinuance of the illegal action or condition and the abatement of the violation.

**108.3 Prosecution of violation.** The code official shall request the legal counsel of the City of Hurst to institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful occupancy of the structure in violation of the provisions of this code or of the order or direction made pursuant thereto. It shall not be required to provide notice as set forth in section 108.2 prior to instituting the appropriate proceedings, and providing notice shall not be considered an element of the offense or a requirement before prosecution or other legal proceeding.

**108.4 Violation penalties.** Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair plumbing work in violation of the *approved* construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a misdemeanor and upon conviction thereof shall be fined in a sum not to exceed Two thousand dollars (\$2,000.00) for health or safety violations and not to exceed Five Hundred Dollars (\$500.00) for all other violations. Each day that a violation continues shall be deemed a separate offense.

**108.5 Stop work orders.** Upon notice from the code official, work on any plumbing system that is being performed contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's authorized agent, or to the person performing the work. The notice shall state the conditions under which work is authorized to resume. The code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform by the code official to remove a violation or unsafe condition, shall be liable as set forth above in Section 108.4.

*(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 board of appeals established by ordinance. The board shall be governed by the enabling ordinance.

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

- (1) **305.4.1 Sewer depth.** Building sewers shall be a minimum of 12 inches (304 mm) below grade.

*(8) Section 305.7; change to read as follows:*

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

*(9) Section 314.2.1; change to read as follows:*

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

*(10) Section 409.2; change to read as follows:*

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

*(11) Section 412.4; change to read as follows:*

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

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

*(12) 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.

*(13) Section 502.3; change to read as follows:*

**502.3 Appliances in attics.** Attics containing a water heater shall be provided . . . {bulk of paragraph unchanged} . . . side of the water heater. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm by 762 mm), or larger, where such dimensions are not large enough to allow removal of the water heater. A walkway to an appliance shall be rated as a floor as approved by the building official. As a minimum, for access to the attic space, provide one of the following:

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 unobstructed and not less than 6 feet (1829 mm) high and 22 inches (559 mm) wide for its entire length, the passageway shall be not greater than 50 feet (15 250 mm) in length.

*(14) Section 502.6; add Section 502.6 and 502.6.1 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.

*(15) Section 504.6; change to read as follows:*

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

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

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

installation instructions and installed with those instructions

5. Discharge to an indirect waste receptor or to the outdoors.
6. Discharge in a manner that does not cause personal injury or structural damage.
7. Discharge to a termination point that is readily observable by the building occupants.
8. Not be trapped.
9. Be installed so as to flow by gravity.
10. Terminate not more than 6 inches above and not less than two times the discharge pipe diameter above the floor or flood level rim of the waste receptor.
11. Not have a threaded connection at the end of such piping.
12. Not have valves or tee fittings.
13. Be constructed of those materials listed in Section 605.4 or materials tested, rated and approved for such use in accordance with ASME A112.4.1.

*(16) Section 504.7.1; change to read as follows:*

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

*(17) Section 604.4; add Section 604.4.1 to read as follows:*

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

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

*(19) Section 606.2; change to read as follows:*

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

locations:

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

***(20) Section 608.1; change to read as follows:***

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

***(21) Section 608.16.5; change to read as follows:***

**608.16.5 Connections to lawn irrigation systems.**

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

***(22) Section 608.17; change to read as follows:***

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

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

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

fabrication of a system or to a modular portion of a system.

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

**Exception:** With prior approval, the Code Official may wave this requirement when deemed un-necessary.

*(24) Section 703.6; Delete*

*(25) Section 704.5; added to read as follows:*

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

*(26) Section 705.11.2; change to read as follows:*

**705.11.2 Solvent cementing.** Joint surfaces shall be clean and free from moisture. A purple primer that conforms to ASTM F 656 shall be applied. Solvent cement not purple in color and conforming to ASTM D 2564, CSA B137.3, CSA B181.2 or CSA B182.1 shall be applied to all joint surfaces. The joint shall be made while the cement is wet and shall be in accordance with ASTM D 2855. Solvent cement joints shall be permitted above or below ground.

*(27) 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.

*(28) Section 714, 714.1; change 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 designed by a registered engineer using approved design methods.

*(29) Section 804.2; added to read as follows:*

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

*(30) Section 903.1; change to read as follows:*

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

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

*(32) Section 1002.10; delete.*

*(33) Section 1003; replace Table 1003.3.4.1 to read as follows:*

All food establishments having a food disposal or discharge of more than fifty (50) gallons per minute shall discharge into an oil & grease interceptor. Establishments with a discharge of fifty (50) gallons per minute or less shall discharge into a minimum 100-pound size grease trap. An approved-type grease interceptor or grease trap complying with the provisions of this subsection shall be installed in the waste line leading from sinks, drains, and other fixtures or equipment in establishments such as restaurants, cafes, lunch counters, cafeterias, bars and clubs, hotels, hospitals, sanitariums, factory or school kitchens, or other establishments where grease may be introduced into the drainage or sewage system in quantities that can affect line stoppage or hinder sewage treatment or private sewage disposal when grease interceptors are required. A grease trap is not required for individual dwelling units or for any private living quarters.

### *Grease Interceptors*

Concrete	-Shall be composed of one part Portland cement and five parts aggregate. -Reinforcement bars deformed number four bars on 18-inch centers.
Alternate to concrete	-Other than concrete interceptors as approved by the code official.
Manholes	-Cast iron frame with 20-inch cover.
Vents	-Four-inch sanitary vent may be reduced to two inches if interceptor is connected to a properly vented sewer or waste line within 25 feet. -Relief vents shall be two inches between compartments and to atmosphere above roof, and inside building.
Capacity	-The figures below are approximates: 100 cubic feet holding 750 gallons <i>retention</i> capacity minimum.
Clean out	-Should be two-way located as near as possible to the interceptor on outflow line above seal.
Test port	-See city detail.

**(34) Section 1101.8; change to read as follows:**

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

**(35) Section 1106.1; change to read as follows:**

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

**(36) Section 1108.3; change to read as follows:**

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

*(37) Section 1109; delete this section.*

*(38) Section 1202.1; delete Exception 2.*

**Sections 5-103 thru 5-110 Reserved.**

## DIVISION 2. INTERNATIONAL FUEL GAS CODE

**Sec 5-111. International Fuel Gas Code – Adopted.** The International Fuel Gas Code, 2015 Edition and Appendices A, B and C as published by the International Code Council, Inc., a copy of which is on file in the office of the City Secretary, as amended by Sec. 5-112, administered and enforced by the office of the Building Official is hereby adopted by reference and designated as a part of the Plumbing Code of the City as though such code were copied at length in this article.

**Sec 5-112. Same – Deletions and Amendments.**

The Fuel Gas Code adopted in this article is hereby amended and changed in the following respects:

**(1) Section 101.1 Amend as follows:**

101.1 Title. These regulations shall be known as the Fuel Gas Code of the City of Hurst, Texas, hereinafter referred to as “this code.”

**(2) Section 101.2 change to read as follows:**

**101.2 Scope.** This code shall apply to the installation of fuel-gas piping systems, fuel gas appliances, gaseous hydrogen systems and related accessories in accordance with Section 101.2.1 through 101.2.5 in accordance and to the extent there is no conflict with State law.

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

**Exception:** Existing dwelling units shall comply with Section 621.2.

**(4) Section 102.8; change to read as follows:**

**102.8 Referenced codes and standards.** The codes and standards referenced in this code shall be those that are listed in Chapter 8 of the International Fuel Gas Code 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.

***(5) Sections 106.6.2 and 106.6.3; change to read as follows:***

**106.6.2 Fee schedule.** The fees for all plumbing work shall be as set by the City Manager and reviewed by City Council from time to time.

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

***(6) Amend section 108.2, 108.3, 108.4 and 108.5 as set forth below:***

108.2. Notice of violation. The code official is authorized to serve a notice of violation or order to the person responsible for the erection, installation, *alteration*, extension, repair, removal or demolition of work in violation of the provisions of this code, or in violation of a detail statement or the *approved construction documents* thereunder, or in violation of a permit or certificate issued under the provisions of this code. Such order shall direct the discontinuance of the illegal action or condition and the abatement of the violation.

108.3 Prosecution of violation. The code official shall request the legal counsel of the City of Hurst to institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful *occupancy* of the structure in violation of the provisions of this code or of the order or direction made pursuant thereto. It shall not be required to provide notice as set forth in section 108.2 prior to instituting the appropriate proceedings, and providing notice shall not be considered an element of the offense or a requirement before prosecution or other legal proceeding.

108.4 Violation penalties. Any person who shall violate a provision of this code, shall fail to comply with any of the requirements thereof or erect, install, alter or repair work in violation of the *approved construction documents* or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a misdemeanor and upon conviction thereof shall be fined in a sum not to exceed Two thousand dollars (\$2,000.00) for health or safety violations and not to exceed Five Hundred Dollars (\$500.00) for all other violations. Each day that a violation continues shall be deemed a separate offense.

108.5 Stop work orders. Upon notice from the code official that work is being performed contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's authorized agent, or to the person performing the work. The notice shall state the conditions under which work is authorized to resume. 7 The code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform by the code official to remove a violation or unsafe condition, shall be liable as set forth above in Section 108.4.

*(7) 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 board of appeals established by ordinance. The board shall be governed by the enabling ordinance.

*(8) Section 306.3; change to read as follows:*

**[M] 306.3 Appliances in attics.** Attics containing appliances 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:

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; change 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, a permanent interior or exterior means of access shall be provided. Permanent exterior ladders providing roof access need not extend closer than 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}.

**(10) Section 306.5.1; change 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 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) Add Section 306.7 to read as follows:**

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

**(12) Section 401.5; 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"

**(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; change to read as follows:**

**404.12 Minimum burial depth.** Underground piping systems shall be installed at a minimum depth of 18 inches (458 mm) top of pipe below grade.

**(15) Section 406.1; change to read as follows:**

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

**(16) Section 406.4; change to read as follows:**

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

**(17) Section 406.4.1; change to read as follows:**

**406.4.1 Test pressure.** The test pressure to be used shall be no less than 3 psig (20 kPa gauge), or at the discretion of the Code Official, the piping and valves may be tested at a pressure of at least six (6) inches (152 mm) of mercury, measured with a manometer or slope gauge. For tests requiring a pressure of 3 psig, diaphragm gauges shall utilize a dial with a minimum diameter of three and one half inches (3 1/2"), a set hand, 1/10 pound incrementation and pressure range not to exceed 6 psi. 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.

Diaphragm gauges used for testing must display a current calibration and be in good working condition. The appropriate test must be applied to the diaphragm gauge used for testing.

**(18) Section 406.4.2; change to read as follows:**

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

**(19) 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.

**(20) 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.

**(21) Section 621.2; change to read 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.

**Sections 5-113 thru 5-135. Reserved.**

**SECTION 5:** That the City of Hurst Code of Ordinances be amended by revising Chapter 5, Article IV “Mechanical Code” by deleting the current Chapter 5, Article IV “Mechanical Code” and replacing Chapter 5, Article IV “Mechanical Code and International Energy Conservation Code” to read as follows:

**ARTICLE IV. MECHANICAL CODE AND INTERNATIONAL ENERGY  
CONSERVATION CODE**

DIVISION 1. MECHANICAL CODE

**Sec 5-136. International Mechanical Code – Adopted.** The International Mechanical Code, 2015 Edition, as published by the International Code Council, Inc., a copy of which is on file in the office of the City Secretary, as amended by Sec. 5-137, administered and enforced by the office of the building official is hereby adopted by reference and designated as the Mechanical Code of the City as though such code were copied at length in this article.

**Sec 5-137. Same – Deletions and Amendments.**

The mechanical code adopted in this article is here by amended and changed in the following respects :

**(1) Section 101.1, change to read as follows:**

**101.1 Title.** These regulations shall be known as the Mechanical Code of the City of Hurst, hereafter referred to as “this code.”

**(2) Section 102.8; change to read as follows:**

102.8 Referenced Codes and Standards. The codes and standards referenced herein shall be those that are listed in Chapter 15 and such codes, when specifically adopted, and standards shall be considered part of the requirements of this code to the prescribed extent

of each such reference. Where differences occur between provisions of this code and the referenced standards, the provisions of this code shall apply. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the adopted amendments. Any reference to NFPA 70 or the *National Electrical Code* (NEC) shall mean the Electrical Code as adopted.

**(3) Sections 106.5.2 and 106.5.3; change to read as follows:**

**106.5.2 Fee schedule.** The fees for all mechanical work shall be set by the City Manager and reviewed by City Council from time to time.

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

**(4) Amend Section 108.2; 108.3, 108.4, and 108.5 to read as follows:**

**108.2. Notice of violation.** The code official is authorized to serve a notice of violation or order to the person responsible for the erection, installation, alteration, extension, repair, removal or demolition of mechanical work in violation of the provisions of this code, or in violation of a detail statement or the *approved construction documents* thereunder, or in violation of a permit or certificate issued under the provisions of this code. Such order shall direct the discontinuance of the illegal action or condition and the abatement of the violation.

**108.3 Prosecution of violation.** The code official shall request the legal counsel of the City of Hurst to institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful *occupancy* of the structure in violation of the provisions of this code or of the order or direction made pursuant thereto. It shall not be required to provide notice as set forth in section 108.2 prior to instituting the appropriate proceedings, and providing notice shall not be considered an element of the offense or a requirement before prosecution or other legal proceeding.

**108.4 Violation penalties.** Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair mechanical work in violation of the *approved construction documents* or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a misdemeanor and upon conviction thereof shall be fined in a sum not to exceed Two thousand dollars (\$2,000.00) for health or safety violations and not to exceed Five Hundred Dollars (\$500.00) for all other violations. Each day that a violation continues shall be deemed a separate offense.

**108.5 Stop work orders.** Upon notice from the code official, that mechanical work is being is being performed contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice may be in writing and be given to

the owner of the property, or to the owner's authorized agent, or to the person performing the work. The notice shall state the conditions under which work is authorized to resume. The code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform by the code official to remove a violation or unsafe condition, shall be liable as set forth above in Section 108.4.

**(5) 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 board of appeals established by ordinance. The board shall be governed by the enabling ordinance.

**(6) Section 306.3; change to read as follows:**

**306.3 Appliances in Attics.** Attics containing appliances 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:

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... {remainder of section unchanged}

**(7) Section 306.5; change 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, a permanent interior or exterior means of access shall be provided. Permanent exterior ladders providing roof access need not extend closer than 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}.

**(8) Section 306.5.1; change 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 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.

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

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

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

**(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:**

5. 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 public nuisance and not less than the distances specified in Section 501.3.1. 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, crawl space, or be directed onto walkways.

**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. Where installed in accordance with the manufacturer's instructions and where mechanical or natural ventilation is otherwise provided in accordance with Chapter 4, listed and labeled domestic ductless range hoods shall not be required to discharge to the outdoors.
4. Toilet room exhaust ducts may terminate in a warehouse or shop area when infiltration of outside air is present.

**(13) Section 607.5.1; change to read as follows:**

**607.5.1 Fire Walls.** Ducts and air transfer openings permitted in fire walls in accordance with Section 706.11 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.

**Sections 5-138 Unchanged**

**Sections 5-139 thru 5-145 Reserved**

DIVISION 2. ENERGY CODE

**Sec 5-146. International Energy Conservation Code – Adopted.** The International Energy Conservation Code, 2015 Edition as published by the International Code Council, Inc., a copy of which is on file in office of the City Secretary, as amended by Sec. 5-147, administered and enforced by the office of the Building Official is hereby adopted by reference and designated as the Energy Code of the City as though such code were copied at length in this article.

**Sec 5-147. Same – Deletions and Amendments.** The energy code adopted in this article is hereby amended and changed in the following respects:

*(1) Section C101.1 and R101.1. Change to read as follows:*

**[the City of Hurst]**

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

**C102.1.2 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.

**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. Regardless of the program or the path to compliance, each 1- and 2-family dwelling shall be tested for air and duct leakage as prescribed in Section R402.4 and R403.3.3 respectively.

*(3) Add sections C108.5, C108.6 and C108.7 and R108.5, R108.6 and R108.7 to read as follows:*

**C108.5. Notice of violation.** The code official is authorized to serve a notice of violation or order to the person responsible for the erection, installation, alteration, extension, repair, removal or demolition of any work regulated by this code that is in violation of the provisions of this code, or in violation of a detail statement or the approved construction documents thereunder, or in violation of a permit or certificate issued under the provisions

of this code. Such order shall direct the discontinuance of the illegal action or condition and the abatement of the violation.

**C108.6 Prosecution of violation.** The code official shall request the legal counsel of the City of Hurst to institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful occupancy of the structure in violation of the provisions of this code or of the order or direction made pursuant thereto. It shall not be required to provide notice as set forth in section 108.5 prior to instituting the appropriate proceedings, and providing notice shall not be considered an element of the offense or a requirement before prosecution or other legal proceeding.

**C108.7 Violation penalties.** Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair any work regulated by this code in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a misdemeanor and upon conviction thereof shall be fined in a sum not to exceed Two thousand dollars (\$2,000.00) for health or safety violations and not to exceed Five Hundred Dollars (\$500.00) for all other violations. Each day that a violation continues shall be deemed a separate offense.

**R108.5. Notice of violation.** The code official is authorized to serve a notice of violation or order to the person responsible for the erection, installation, alteration, extension, repair, removal or demolition of any work regulated by this code that is in violation of the provisions of this code, or in violation of a detail statement or the approved construction documents thereunder, or in violation of a permit or certificate issued under the provisions of this code. Such order shall direct the discontinuance of the illegal action or condition and the abatement of the violation.

**R108.6 Prosecution of violation.** The code official shall request the legal counsel of the City of Hurst to institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful occupancy of the structure in violation of the provisions of this code or of the order or direction made pursuant thereto. It shall not be required to provide notice as set forth in section 108.5 prior to instituting the appropriate proceedings, and providing notice shall not be considered an element of the offense or a requirement before prosecution or other legal proceeding.

**R108.7 Violation penalties.** Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair any work regulated by this code in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a misdemeanor and upon conviction thereof shall be fined in a sum not to exceed Two thousand dollars (\$2,000.00) for health or safety violations and not to exceed Five Hundred Dollars (\$500.00) for all other violations. Each day that a violation continues shall be deemed a separate offense.

**(4) Section C109 and R109; Delete entire sections and insert the following:**

**SECTION C109  
MEANS OF APPEAL**

**C109.1 Application for appeal.** Any person shall have the right to appeal a decision of the code official to the board of appeals established by ordinance. The board shall be governed by the enabling ordinance.

**SECTION R109  
MEANS OF APPEAL**

**R109.1 Application for appeal.** Any person shall have the right to appeal a decision of the code official to the board of appeals established by ordinance. The board shall be governed by the enabling ordinance.

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

**PROJECTION FACTOR.** The ratio of the horizontal depth of the overhang, eave or permanently attached shading device, divided by the distance measured vertically from the bottom of the fenestration glazing to the underside of the overhang, eave or permanently attached shading device.

**Section R202; add the following definition:**

**DYNAMIC GLAZING.** Any fenestration product that has the fully reversible ability to change its performance properties, including *U*-factor, solar heat gain coefficient (SHGC), or visible transmittance (VT).

**(6) Section C202; add the following definitions:**

**RE-ROOFING.** When a commercial flat roofed building, built prior to the adoption of the IECC, is re-roofed, roof deck insulation shall be installed with an R value of not less than R-19.

**SHELL BUILDINGS.** New buildings (shell buildings) designed to be heated or air conditioned in the future shall meet the code requirements for envelope design at the time of construction.

**(7) Amend Table R402.1.2:**

**Table R402.1.2 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT;** Amend by changing the WOOD FRAME WALL R-VALUE for

CLIMATE ZONE 3 to read as follows:

13

**(8) Amend Table R402.1.4**

**Table R402.1.4 EQUIVALENT U-FACTORS;** Amend by changing the FRAME WALL U-FACTOR for CLIMATE ZONE 3 to read as follows:

0.082

**(9) C402.2.2 Roof assembly. Add paragraph at end of subsection to read as follows:**

Suspended or drop in ceilings shall not be considered as part of the building envelope. Insulation installed on top of the ceiling grid shall not be considered to meet envelope requirements. Pre-existing buildings may retain the insulation installed in this manner. Pre-existing buildings where 50% or more of the insulation is removed for remodeling, or any other reason, shall then meet the current code requirements.

**(10) Section R402.3.2 Glazed fenestration SHGC; amend by adding a paragraph and table following the exception to read as follows:**

*Where vertical fenestration is shaded by an overhang, eave, or permanently attached shading device, the SHGC required in Table R402.1.2 shall be reduced by using the multipliers in Table R402.3.2 SHGC Multipliers for Permanent Projections.*

*Table R402.3.2 SHGC Multipliers for Permanent Projections<sup>a</sup>*

<i>Projection Factor</i>	<i>SHGC Multiplier (all Other Orientation)</i>	<i>SHGC Multiplier (North Oriented)</i>
<i>0 - 0.10</i>	<i>1.00</i>	<i>1.00</i>
<i>&gt;0.10 – 0.20</i>	<i>0.91</i>	<i>0.95</i>
<i>&gt;0.20 – 0.30</i>	<i>0.82</i>	<i>0.91</i>
<i>&gt;0.30 – 0.40</i>	<i>0.74</i>	<i>0.87</i>
<i>&gt;0.40 – 0.50</i>	<i>0.67</i>	<i>0.84</i>
<i>&gt;0.50 – 0.60</i>	<i>0.61</i>	<i>0.81</i>
<i>&gt;0.60 – 0.70</i>	<i>0.56</i>	<i>0.78</i>
<i>&gt;0.70 – 0.80</i>	<i>0.51</i>	<i>0.76</i>
<i>&gt;0.80 – 0.90</i>	<i>0.47</i>	<i>0.75</i>
<i>&gt;0.90 – 1.00</i>	<i>0.44</i>	<i>0.73</i>

<sup>a</sup> North oriented means within 45 degrees of true north.

**(11) Section R402.4.1.2 Testing; modify the first paragraph to read as follows:**

**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 Zone 3. *{Remainder of text unchanged}*

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

Mandatory testing shall only be performed by individuals that are certified to perform air infiltration testing certified by national or state organizations as 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.

**(13) R403.3.3 Duct Testing (Mandatory) Add a last paragraph to read as follows:**

Mandatory testing shall only be performed by individuals that are certified to perform duct testing leakage testing certified by national or state organizations as 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.

**(14) Section C402.2.7/R402.2; Add Section C402.2.7 and R402.2.14 to read as follows:**

**Section C402.2.7/R402.2.14 Insulation installed in walls.** To insure that insulation remains in place, insulation installed in walls shall be totally enclosed on all sides consisting of framing lumber, gypsum, sheathing, wood structural panel sheathing, netting or other equivalent material approved by the building official.

**(15) Section R405.6.2; add the following sentence to the end of paragraph:**

Acceptable performance software simulation tools may include, but are not limited to, REM Rate<sup>TM</sup>, 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.

**(16) TABLE R406.4 MAXIMUM ENERGY RATING INDEX; amend to read as follows:**

TABLE R406.4<sup>1</sup>  
MAXIMUM ENERGY RATING INDEX

CLIMATE ZONE	ENERGY RATING INDEX
3	65

<sup>1</sup> **This table is effective until August 31, 2019.**

TABLE R406.4<sup>2</sup>  
MAXIMUM ENERGY RATING INDEX

CLIMATE ZONE	ENERGY RATING INDEX
3	63

<sup>2</sup> **The table is effective from September 1, 2019 to August 31, 2022.**

TABLE R406.4<sup>3</sup>  
MAXIMUM ENERGY RATING INDEX

CLIMATE ZONE	ENERGY RATING INDEX
3	59

<sup>3</sup> **This table is effective on or after September 1, 2022.**

**Sections 5-148 thru 5-155 Reserved**

**SECTION 6:** That the City of Hurst Code of Ordinances be amended by revising Chapter 5, Article V “Electrical Code” by deleting said section where shown below for Chapter 5, Article V “Electrical Code” and replacing said deleted sections and retaining sections as shown below for Chapter 5, Article V “Electrical Code” to read as follows:

**ARTICLE V. ELECTRICAL CODE**

DIVISION 1. GENERAL

**Sec 5-156 Unchanged.**

**(1) Section 5-157 Definitions; add a definition to read as follows:**

**CODE OFFICIAL.** The officer or other designated authority, charged with the administration and enforcement of this code, or a duly appointed authorized representative.

**Section 5-158 thru Sec 5-160 Unchanged.**

***(2) Section 5-161. General standards; code adopted. Change (b) to read:***

(b) NFPA 70, The National Electric Code, 2014 Edition, as published by the National Fire Protection Association, a copy of which is on file in the office of the City Secretary, as amended by section 5-168, is hereby adopted by reference and designated as the electrical code of the city as though such code were copied at length in this article.

**Sec 5-162 thru Sec 5-166 Unchanged.**

**Sec 5-167. Reserved.**

**Sec. 5-168. Amendments, deletions and changes to the electrical code.**

***(3) Add 90.4.1 to read as follows:***

**90.4.1. Notice of violation.** The code official is authorized to serve a notice of violation or order to the person responsible for the erection, installation, alteration, extension, repair, removal or demolition of any work regulated by this code that is in violation of the provisions of this code, or in violation of the approved construction documents thereunder, or in violation of a permit or certificate issued under the provisions of this code or the directive of the code official. Such order may direct the discontinuance of the illegal action or condition and the abatement of the violation.

**90.4.2 Prosecution of violation.** The code official shall request the legal counsel of the City of Hurst to institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful occupancy of the structure in violation of the provisions of this code or of the order or direction made pursuant thereto. Neither the City nor the Code Official, shall not be required to provide notice as set forth in 90.4.1 prior to instituting the appropriate proceedings, and providing notice shall not be considered an element of the offense or a requirement before prosecution or other legal proceeding.

**90.4.3 Violation penalties.** Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair any work regulated by this code in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a misdemeanor and upon conviction thereof shall be fined in a sum not to exceed Two thousand dollars (\$2,000.00) for health or safety violations and not to exceed Five Hundred Dollars (\$500.00) for all other violations. Each day that a violation continues shall be deemed a separate offense.

***(4) 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.

**(5) Article 100; amend the following definitions:**

**Intersystem Bonding Termination.** A device that provides a means for connecting intersystem bonding conductors for communication systems and other systems to the grounding electrode system. Bonding conductors for other systems shall not be larger than 6 AWG.

**(6) Article 110.2; change 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.

**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.

**(7) Article 210.52(G) (1) Garages: delete the following:**

**(1) Garages. In each attached garage and in each detached garage with electric power. At least one receptacle outlet shall be installed for each car space.**

**(8) 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.

**(9) Article 240.91; delete the Article.**

**(10) 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”).

**(11) Article 310.15(B) (7); change to read as follows:**

(7) This Article shall not be used in conjunction with 220.82.

**(12) Article 500.8 (A) (3) changed 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.

**Informational Note No. 1:** It is important that inspection authorities and users exercise more than ordinary care with regard to installation and maintenance.

**Informational Note No. 2:** Since there is no consistent relationship between explosion properties and ignition temperature, the two are independent requirements.

**Informational Note No. 3:** Low ambient conditions require special consideration. Explosionproof or dust-ignitionproof equipment may not be suitable for use at temperatures lower than -25°C (-13°F) unless they are identified for low-temperature service. However, at low ambient temperatures, flammable concentrations of vapors may not exist in a location classified as Class I, Division 1 at normal ambient temperature.

**(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 engineering judgment signed and sealed by a qualified licensed Professional Engineer in the State of Texas.

**Informational Note:** Additional documentation for equipment may include certificates demonstrating compliance with applicable equipment standards, indicating special conditions of use, and other pertinent information.

**(13) Article 505.7 (A) changed 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.

Informational Note No. 1: It is important that inspection authorities and users exercise more than ordinary care with regard to the installation and maintenance of electrical equipment in hazardous (classified) locations.

Informational Note No. 2: Low ambient conditions require special consideration. Electrical equipment depending on the protection techniques described by 505.8(A) may not be suitable for use at temperatures lower than -20°C (-4°F) unless they are identified for use at lower temperatures. However, at low ambient temperatures, flammable concentrations of vapors may not exist in a location classified Class I, Zones 0, 1, or 2 at normal ambient temperature.

**(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 licensed Professional Engineer in the State of Texas.

**(14) 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.

**(15) Article 680.25(A) changed 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

**Sec. 5-169 thru 5-173 Unchanged.**

**Sec. 5-174 thru 5-185. Reserved.**

DIVISION 2. ELECTRICAL INSPECTOR

**Sec. 5-186 Unchanged.**

**Sec. 5-187 Reserved.**

**Sec. 5-188 thru 5-195 Unchanged.**

**Sec. 5-196 thru 5-205. Reserved.**

DIVISION 3. RESERVED

**Sec. 5-206 thru 5-225. Reserved.**

DIVISION 4. REGISTRATION OF ELECTRICIANS; CERTIFICATE

**Sec. 5-226. thru 5-240. Unchanged.**

**Sec. 5-241 thru 5-250. Reserved.**

DIVISION 5. WORK PERMITS

**Sec. 5-251 thru 5-260 Unchanged.**

**Sec. 5-261 thru 5-275. Reserved.**

**SECTION 7:** That the City of Hurst Code of Ordinances be amended by revising Chapter 5, Article VI “Reserved” by deleting the current Chapter 5, Article VI “Reserved” replacing said deleted sections and retaining sections as shown below for Chapter 5, Article VI “International Pool and Spa Code” to read as follows:

**ARTICLE VI. INTERNATIONAL POOL AND SPA CODE**

**DIVISION 1. GENERAL**

**Sec. 5-276. International Pool and Spa Code– Adopted.** The International Pool and Spa Code, 2015 Edition as published by the International Code Council, Inc., a copy of which is on file in the office of the City Secretary, as amended by Sec. 5-277, administered and enforced by the office of the building official is hereby adopted by reference and designated as the Pool and Spa Code of the City as though such code were copied at length in this article.

**Sec. 5-277. Same – Deletions and Amendments.**

**(1) 101.1 Title. Add City of Hurst as NAME OF JURISDICTION.**

**(2) PART 2- ADMINISTRATION AND ENFORCEMENT Change DEPARTMENT OF BUILDING SAFTY TO Building Inspection Department, here and through out.**

**(3) 105.3.1 Add new section as follows :**

**105.3.1 Pools in Flood Hazard Areas.** Pools requesting to be located in flood hazard areas will submit a Flood Development Permit, provided by the city, along with the construction documents.

**(4) 105.6 Fees ; change subsection 105.6.2 change to read as follows :**

**105.6.2 Fee Schedule.** The fees for all swimming pool or spa work shall be set by the City Manager and reviewed by City Council from time to time.

**(5) 107.2 Change 107.2 to read as follows:**

**107.2. Notice of violation.** The code official is authorized to serve a notice of violation or order to the person responsible for the erection, installation, alteration, extension, repair, removal or demolition of work in violation of the provisions of this code, or in violation of a detail statement or the *approved* construction documents thereunder, or in violation of a permit or certificate issued under the provisions of this code. Such order shall direct the discontinuance of the illegal action or condition and the abatement of the violation.

**(6) 107.2 Change 107.3 to read as follows:**

**107.3 Prosecution of violation.** The code official shall request the legal counsel of the City of Hurst to institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful pool or spa in violation of the provisions of this code or of the order or direction made pursuant thereto. It shall not be required to provide notice as set forth in section 107.2 prior to instituting the appropriate proceedings, and providing notice shall not be considered an element of the offense or a requirement before prosecution or other legal proceeding.

**(7) 107.2 Change 107.4 to read as follows:**

**107.4 Violation penalties.** Any person who shall violate a provision of this code, shall fail to comply with any of the requirements thereof or erect, install, alter or repair a pool or spa in violation of the *approved* construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a misdemeanor and upon conviction thereof shall be fined in a sum not to exceed Two Thousand dollars (\$2,000.00) for health or safety violations and not to exceed Five Hundred Dollars (\$500.00) for all other violations. Each day that a violation continues shall be deemed a separate offense.

**(8) 107.2 Change 107.5 to read as follows:**

**107.5 Stop work orders.** Upon notice from the code official that work is being performed contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's authorized agent, or to the person performing the work. The notice shall state the conditions under which work is authorized to resume. The code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform by the code official to remove a violation or unsafe condition, shall be liable as set forth above in Section 107.4.

**(9) Section 108; Delete entire section and insert the following:**

**SECTION 108  
MEANS OF APPEAL**

**108.1 Application for appeal.** Any person shall have the right to appeal a decision of the code official to the board of appeals established by ordinance. The board shall be governed by the enabling ordinance.

**Sec. 5-278 thru Sec. 5-293. Reserved.**

**SECTION 8:** That the City of Hurst Code of Ordinances be amended by revising Chapter 5, Article VII "Substandard Buildings" by deleting Chapter 5, Article VII, "Substandard Buildings" replacing said deleted sections and retaining sections as shown with Chapter 5, Article VII "Substandard Buildings and International Property Maintenance Code" Division 1 "Substandard Buildings" and Division II "International Property Maintenance Code" to read as follows:

**ARTICLE VII. SUBSTANDARD BUILDINGS AND INTERNATIONAL  
PROPERTY MAINTENANCE CODE**

DIVISION 1. SUBSTANDARD BUILDINGS

**Sec. 5-294 thru 5-301 Unchanged.**

DIVISION 2. INTERNATIONAL PROPERTY MAINTENANCE CODE

**Sec 5-302. International Property Maintenance Code – Adopted.** The International Property Maintenance Code, 2015 Edition as published by the International Code Council, Inc., a copy of which is on file in the office of the City Secretary, as amended by Sec. 5-303, administered and enforced by the office of the building official is hereby adopted by reference and designated as the Property Maintenance Code of the City as though such code were copied at length in this article.

**Sec 5-303. Same – Deletions and Amendments.** The property maintenance code adopted in this article is hereby amended and changed in the following respects:

*(1) Section 101.1 Change to read as follows:*

**Section 101.1 Title.** These regulations shall be known as the Property Maintenance Code of the City of Hurst, hereinafter referred to as “this code.”

*(2) Section 103.5 change to read as follows:*

**Section 103.5 Fees.** The fees for activities and services performed by this department in carrying out its responsibilities under this code shall be set by the city manager from time to time.

*(3) Section 106.3 change to read as follows:*

**106.3 Prosecution of violation.** Any person failing to comply with any provisions of this code or order served in accordance with Section 107 shall be deemed guilty of a misdemeanor as determined by the Municipal Court. This code governs fire, safety, zoning or public health and sanitation and such violations are subject to a fine not to exceed two thousand dollars (\$2,000.00). Each day a violation continues shall be a separate offense.

The code official shall institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation or to require the removal or termination of the unlawful occupancy of the structure in violation of the provisions of this code or other order or direction made pursuant thereto.

**(4) Section 106.6 Add to read as follows:**

**106.6 Corrective Action by City of Hurst.** Any corrective action taken by the authority having jurisdiction on such premises shall be charged against the real estate upon which the structure is located and shall be a lien upon such real estate.

**(5) Section 111; Delete entire section and insert the following:**

**SECTION 111  
MEANS OF APPEAL**

**111.1 Application for appeal.** Any person shall have the right to appeal a decision of the code official to the board of appeals established by ordinance. The board shall be governed by the enabling ordinance.

**(6) Section 304.14 Insert dates.**

**Section 304.14 Insect screen.** During the period from 1 January to 31 December, every door, ...the remainder unchanged.

**(7) Section 602.3 Insert dates.**

**Section 602.3 Heat supply.** Every owner ..., to furnish heat to the occupants thereof shall supply heat during the period from 1 November to 30 April to maintain a temperature of not less than 68° F (20°C) in all habitable rooms, bathrooms, and toilet rooms.

**(8) Section 602.4 Insert dates.**

**Section 602.4 Occupiable work space.** Indoor occupiable work space shall be supplied with heat during the period from 1 November to 30 April to maintain a temperature of not less than 65° F (18°C) during the period the space is occupied.

**(9) Section 704.2.2; add second paragraph to exception 1.**

**Section 704.2.2 Interconnection. Exception:**

This exception does not apply to the minimum housing requirements for properties subject to the Rental Registration Program.

**(10) Section 704.2.3; add second paragraph to exception 1.**

**Section 704.2.3 Power Source. Exception:**

This exception does not apply to the minimum housing requirements for properties subject to the Rental Registration Program.

**(11) Section 705, add Sections 705, 705.1, 705.2 and 705.3 to read as follows:**

SECTION 705  
CARBON MONOXIDE ALARMS

**Section 705.1 Carbon monoxide alarms.** For new construction, an approved carbon monoxide alarm shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms in dwelling units within which fuel-fired appliances are installed and in dwelling units that have attached garages.

**Section 705.2 Where required in existing dwellings.** Where there is a change of tenant in a rental unit or work requiring a permit 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 705.1

**Section 705.3 Alarm requirements.** Single station carbon monoxide alarms shall be listed as complying with U 2034 and shall be installed in accordance with this code and the manufacturer's installation instructions.

**Sec. 5-304 thru 5-320. Reserved.**

**ARTICLE VIII. VACANT COMMERCIAL BUILDINGS**

**Unchanged by this ordinance.**

**ARTICLE IX. HISTORIC LANDMARK PRESERVATION**

**Unchanged by this ordinance.**

**ARTICLE X. RENTAL REGISTRATION**

**Unchanged by this ordinance.**

**ARTICLE XI. MANDATORY MULTI-FAMILY DWELLING CRIME REDUCTION PROGRAM**

**Unchanged by this ordinance.**

**ARTICLE XII. HOUSING CODE**

**Unchanged by this ordinance**

**Section 5-659 – 5-672. Reserved.**

**Section 9** That the City of Hurst Code of Ordinances be amended by revising Chapter 8, Article I “In General” by deleting Chapter 8, Article I, “In General” replacing said deleted sections and retaining sections as shown with Chapter 8, Article II “Fire Prevention Code” to read as follows:

**CHAPTER 8 - FIRE PREVENTION AND PROTECTION**

**ARTICLE I. - IN GENERAL**

Amend section 8-1 to read as follows:

Sec. 8-1. Arson reward.

(a) The City Council may offer a reward payable to the persons who shall be responsible for the arrest or conviction of any person committing in the city the crime of arson as the same is now defined by the penal code of the state.

(b) Whenever the mayor shall be informed that any fire occurring in the city was of an incendiary origin, he shall call for a report on the same by the city fire marshal, and if the marshal shall report that such fire was caused by the commission of the crime of arson, the mayor is hereby authorized to offer a reward of up to five hundred dollars (\$500.00) and a higher reward may be offered upon the consent of the City Council. Upon information being given by any person who shall cause the arrest or conviction of such person guilty of a specific crime of arson for which the reward shall be offered and after the final conviction of such person, the person or persons giving such information shall be entitled to receive the reward or a portion of the reward.

Amend section 8-2 by deleting the current 8-2 and replacing it with the following, which has remained in the Hurst City Code and the substantive portions of subsection (a) through (c) have remained unchanged prior to any state preemption, and Section 8-2 to reads as follows:

:

Sec. 8-2 Smoke Alarms:

**Smoke alarms.** (a) Every dwelling unit within a multi-family dwelling, every guest room in a hotel used for sleeping purposes and every rented dwelling unit in any other residential property shall, be provided with smoke alarms conforming to nationally recognized standards. Such smoke alarms shall be required in every dwelling unit in every type of residential property before any certificate of occupancy is granted or renewed. No building permit for alterations requiring the expenditure of more than one thousand dollars (\$1,000.00) shall be granted without the installation of smoke alarms.

(b) The number of smoke alarms, and the manner and location of installation shall be set forth in the International Building Code or International Residential Code except that on rental property such alarms shall not be only battery-powered, but shall be wired directly into the power supply of the dwelling unit.

(c) Smoke alarms shall be maintained in operating condition. Multi-family rental property shall be inspected annually by the fire department and/or building inspection department to determine whether smoke alarms are present and operating. If the fire department and/or building inspection department is refused access to any rental dwelling unit upon reasonable notice, and for purposes of this section, ten (10) calendar days shall be considered reasonable notice, the apartment owner will be deemed guilty of a misdemeanor and, upon conviction thereof, fined not less than twenty-five (\$25.00) or more than five hundred (\$500.00) per dwelling unit. If a smoke alarm required for a rental unit is inoperable, the rental unit owner or occupant will be deemed guilty of a misdemeanor and, upon conviction thereof, fined not less than twenty-five (\$25.00) or more than five hundred (\$500.00) per dwelling unit. Furthermore, should the owner or manager fail to come into compliance within thirty (30) days of re-inspection, the certificate of occupancy of that multi-family office will be automatically revoked, and the utility company serving such office shall be required to discontinue service thereto. Such certificate of occupancy and service shall not be restored until all smoke alarms comply with this section.

(d) In the event that the smoke alarm is inoperable due to the absence of electricity of the dwelling unit, a battery-powered smoke alarm shall be temporarily installed until electrical power to the dwelling unit is restored.

(e) Persons removing, disabling or possessing a smoke alarm with the battery removed or possessing a disabled smoke alarm shall be subject to immediate issuance of citation, with no warning period. It shall be an affirmative defense that the person provided written notification to the landlord or apartment manager of the defective smoke alarm.

Section 8-3 through 8-15.

## ARTICLE II. - FIRE PREVENTION CODE

**Sec. 8-16.** - Adoption of International Fire Code.

The City of Hurst hereby adopts the 2015 Edition of the International Fire Code, including Appendices A, B, C, D, E, F, G, H, I, K, and L published by the International Code Council, Inc., save and except such portions as are deleted or amended by this article, and the same are hereby adopted and incorporated as fully as if set out at length herein. One (1) copy of the 2015 Edition of the International Fire Code is now filed in the office of the city secretary. From the date on which this article shall take effect, the provisions thereof shall be controlling within the limits of the City of Hurst and its extraterritorial jurisdiction.

**Sec. 8-17. - Deletions and amendments.**

The following sections of the 2015 Edition of the International Fire Code, as adopted in section 8-17, are hereby amended as follows:

- (1) **101.1 Title.** These regulations shall be known as the Fire Code of the City of Hurst, hereinafter referred to as “this code.”
  
- (2) **Section 102.1** Change section 102.1 by changing subsection 3 and leaving the rest of section 102.1 unchanged.
  3. Existing structures, facilities, and conditions when required in Chapter 11 or in specific sections of this code or city ordinance.
  
- (3) **105.3.3** Change 105.3.3 as follows:

**Occupancy Prohibited before Approval.** The building or structure shall not be occupied prior to the fire code official issuing a permit when required and conducting associated inspections indicating the applicable provisions of this code have been met.
  
- (4) **105.7.19** Add 105.7.19 to read as follows:

**Electronic access control systems.** Construction permits are required for the installation or modification of an electronic access control system, as specified in Chapter 10. A separate construction permit is required for the installation or modification of a fire alarm system that may be connected to the access control system. Maintenance performed in accordance with this code is not considered a modification and does not require a permit.
  
- (5) **109.3.1** Change 109.3.1 to read as follows:

Service A notice of violation issued pursuant to this code may be served upon the owner, the owner’s authorized agent, operator, occupant or other person responsible for the condition or the violation, either by personal service, regular mail, certified mail, alternate delivery services including but not limited to overnight delivery services, by leaving it with some person of responsibility upon the premises, by

posting the notice upon the structure or visibly upon the premises or by any other method designated by the fire code official as a means of providing notice.

(6) **109.3.3.** Change 109.3.3 to read as follows:

Prosecution of violations. The fire code official is authorized to request the legal counsel of the City of Hurst to institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful occupancy of the structure in violation of the provisions of this code or of the order or direction made pursuant thereto. Neither the City nor the Code Official, shall be required to provide notice as set forth in 109.3 prior to instituting the appropriate proceedings, and providing notice shall not be considered an element of the offense or a requirement before prosecution or other legal proceeding.

(7) **109.4** Change 109.4 to read as follows:

**Violation penalties.** Any person, firm, or corporation who violates a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under provisions of this code, shall be guilty of a misdemeanor punishable by a fine of not more than Two Thousand Dollars (\$2,000.00) or by imprisonment not exceeding twenty (20) days or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

(8) **111.4 Failure to comply.** Change section 111.4 to read as follows:

Any person, firm, or corporation who shall continue any work after having been served with a stop work order, except such work as that person, firm, or corporation is directed to perform to remove a violation or unsafe condition, shall be liable for a fine not to exceed Two Thousand Dollars (\$2,000.00).

(9) **Section 202,** change by adding or changing the following definitions:

**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 persons who are rendered incapable of self-preservation by the services provided. This group may include but not be limited to the following:

- Dialysis centers
- Procedures involving sedation
- Sedation dentistry
- Surgery centers
- Colonic centers
- Psychiatric centers

**ATRIUM.** An opening connecting three or more stories other than enclosed stairways, elevators, hoistways, escalators, plumbing, electrical, air-conditioning or

other equipment, which is closed at the top and not defined as a mall. Stories, as used in this definition, do not include balconies within assembly groups or mezzanines that comply with Section 505 of the International Building Code.

**CITY** shall mean the City of Hurst, Texas.

**CODE OFFICIAL.** The officer or other designated authority charged with the administration and enforcement of this Code or a duly authorized representative.

**DEFEND IN PLACE.** A method of emergency response that engages building components and trained staff to provide occupant safety during an emergency. Emergency response involves remaining in place, relocating within the building, or both, without evacuating the building.

**FIRE MARSHAL.** The Fire Marshal is the designated authority charged by the Fire Chief with the duties of administration and enforcement of the code, or a duly authorized representative.

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

**FIREWORKS.** Any composition or device for the purpose of producing a visible or an audible effect for entertainment purposes by combustion, *deflagration*, ~~or~~ *detonation*, and/or activated by ignition with a match or other heat producing device that meets the definition of 1.4G fireworks or 1.3G fireworks as set forth herein.

**HIGH-PILED COMBUSTIBLE STORAGE:** add a second paragraph to read as follows:

Any building classified as a group S Occupancy or Speculative Building exceeding 6,000 sq. ft. that has a clear height in excess of 14 feet, making it possible to be used for storage in excess of 12 feet, shall be considered to be high-piled storage. When a specific product cannot be identified, a fire protection system and life safety features shall be installed as for Class IV commodities, to the maximum pile height.

**HIGH-RISE BUILDING.** A building having any floors used for human occupancy located more than 55 feet (16,764 mm) or three stories above the lowest level of fire department vehicle access.

**REPAIR GARAGE.** A building, structure or portion thereof used for servicing or repairing motor vehicles. 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.

**SELF-SERVICE STORAGE FACILITY.** Real property designed and used for the purpose of renting or leasing individual storage spaces to customers for the purpose of storing and removing personal property on a self-service basis.

**STANDBY PERSONNEL.** Qualified fire service personnel, approved by the Fire Chief. When utilized, the number required shall be as directed by the Fire Chief. Charges for utilization shall be as normally calculated by the jurisdiction.

**UPGRADED OR REPLACED FIRE ALARM SYSTEM.** A fire alarm system that is upgraded or replaced includes, but is not limited to the following:

- Replacing one single board or fire alarm control unit component with a newer model
- Installing a new fire alarm control unit in addition to or in place of an existing one
- Conversion from a horn system to an emergency voice/alarm communication system
- Conversion from a conventional system to one that utilizes addressable or analog devices

The following are not considered an upgrade or replacement:

- Firmware updates
- Software updates
- Replacing boards of the same model with chips utilizing the same or newer firmware

(10) **307.1.1 Prohibited Open Burning.** Change 307.1.1 to read as follows:

Open burning that is offensive or objectionable because of smoke emissions or when atmospheric conditions or local circumstances make such fires hazardous shall be prohibited.

**Exception:** Prescribed burning for the purpose of reducing the impact of wild land fire when authorized by the fire code official.

(11) **307.2 Permit Required.** Change 307.2 to read as follows:

A permit shall be obtained from the *fire code official* in accordance with Section 105.6 prior to kindling a fire for recognized silvicultural or range or wildlife management practices, prevention or control of disease or pests, a bonfire or any open burning. Application for such approval shall only be presented by and permits issued to the owner of the land upon which the fire is to be kindled.

Examples of state or local law, or regulations referenced elsewhere in this section may include but not be limited to the following:

1. Texas Commission on Environmental Quality (TCEQ) guidelines and/or restrictions.

2. State, County, or Local temporary or permanent bans on open burning.
3. Local written policies as established by the *fire code official*.

(12) **307.3 Extinguishment Authority.** Change 307.3 to read as follows:

The fire code official is authorized to order the extinguishment of any fire by the owner or person responsible, regardless of whether or not a permit was obtained, when in the opinion of the fire code official the fire creates or adds to a hazardous or potentially hazardous situation. The fire code official is further authorized to take all necessary steps to extinguish any such fire upon the failure of the owner or person responsible to do so.

(13) **307.4 Location.** Change 307.4 to read as follows:

The location for open burning shall not be less than 300 feet (91 440 mm) from any structure, and provisions shall be made to prevent the fire from spreading to within 300 feet (91 440 mm) of any structure.

**Exceptions:**

1. Fires in approved containers that are not less than 15 feet from a structure
2. The minimum required distance from a structure shall be 25 feet where the pile size is feet or less in diameter and 2 feet or less in height.

(14) **307.4.3:** Change 307.4.3 Exception: to Exceptions: to read as follows:

**Exceptions:**

1. Portable outdoor fireplaces used at one- and two-family dwellings.
2. Where buildings, balconies and decks are protected by an approved automatic sprinkler system.

(15) **307.4.4** Add 307.4.4 to read as follows

**Permanent Outdoor Firepit.**

Permanently installed outdoor firepits for recreational fire purposes shall not be installed within 10 feet of a structure or combustible material.

**Exception:** Permanently installed outdoor fireplaces constructed in accordance with the all adopted Codes and city ordinances.

(16) Add 307.4.5 to read as follows:

**307.4.5 Trench Burns.**

Trench Burns are prohibited within the City Limits of Hurst. It shall be an affirmative defense that the trench burn is allowed by the Code Official.

(17) **307.5** Change 307.5 to read as follows

**Attendance.**

*Open burning*, trench burns, bonfires, *recreational fires*, and use of portable outdoor fireplaces shall be constantly attended until the fire is extinguished. A minimum of one portable fire extinguisher complying with Section 906 with a minimum of 4-A rating or other approved on-site fire extinguishing equipment, such as dirt, sand, water barrel, garden hose or water truck, shall be available for immediate utilization.

(18) **308.1.4** Change 308.1.4 to read as follows:

**Open-flame Cooking Devices** Open-flame cooking devices, charcoal grills and other similar devices used for cooking shall not be located or used on combustible balconies, decks, or within 10 feet (3048 mm) of combustible construction.

**Exceptions:**

1. One- and two-family dwellings, except that LP-gas containers are limited to a water capacity not greater than 50 pounds (22.68 kg) [nominal 20 pound (9.08 kg) LP-gas capacity] with an aggregate LP-gas capacity not to exceed 100 lbs (5 containers).
2. Where buildings, balconies and decks are protected by an approved *automatic sprinkler system*, except that LP-gas containers are limited to a water capacity not greater than 50 pounds (22.68 kg) [nominal 20 pound (9.08 kg) LP-gas capacity], with an aggregate LP-gas capacity not to exceed 40 lbs (2 containers).
3. LP-gas cooking devices having LP-gas container with a water capacity not greater than 2 ½ pounds [nominal 1 pound (0.454 kg) LP-gas capacity.]

(19) **308.1.6.2** Change 308.1.6.2 Exceptions number 3 to read as follows

**Exceptions:**

3. Torches or flame-producing devices in accordance with Section 308.1.3.

(20) **308.1.6.3** Change 308.1.6.3 to read as follows

**Sky Lantern.** A person shall not release or cause to be released an unmanned free-floating device containing an open flame or other heat source, such as but not limited to a sky lantern.

(21) **311.5** Change 311.5 to read as follows

**Placards.** The *fire code official* is authorized to require marking of any vacant or abandoned buildings or structures determined to be unsafe pursuant to Section 110 of this code relating to structural or interior hazards, which shall be marked as required by Section 311.5.1 through 311.5.5.

(22) **403.5** Change 403.5 to read as follows

**Group E Occupancies.** An approved fire safety and evacuation plan in accordance with Section 404 shall be prepared and maintained for Group E occupancies and for buildings containing both a Group E occupancy and an atrium. A diagram depicting two evacuation routes shall be posted in a conspicuous location in each classroom. Group E occupancies shall also comply with Sections 403.5.1 through 403.5.3.

- (23) **404.2.2** Change 404.2.2 to read as follows  
**Fire Safety Plans.**  
4.10 Fire extinguishing system controls.
- (24) **405.4** Change 405.4 to read as follows  
**Time.** The fire code official may require an evacuation drill at any time. Drills shall be held at unexpected times and under varying conditions to simulate the unusual conditions that occur in case of fire.
- (25) **501.4** Change 501.4 to read as follows  
**Timing of Installation.** When fire apparatus access roads or a water supply for fire protection is required to be installed for any structure or development, they shall be installed, tested, and approved prior to the time of which construction has progressed beyond completion of the foundation of any structure.
- (26) **503.1.1** Add a sentence to 503.1.1 to read as follows  
**Buildings and Facilities**  
[Add following sentence] Except for one- or two-family dwellings, the path of measurement shall be along a minimum of a ten feet (10') wide unobstructed pathway around the external walls of the structure.
- (27) **503.2.1** Change 503.2.1 to read as follows  
**Dimensions.** Fire apparatus access roads shall have an unobstructed width of not less than 24 feet (7315 mm), exclusive of shoulders, except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than 14 feet (4267 mm).  
  
**Exception:** Vertical clearance may be reduced; provided such reduction does not impair access by fire apparatus and *approved* signs are installed and maintained indicating the established vertical clearance when approved.
- (28) **503.2.2** Change 503.2.2 to read as follows  
**Authority.** The *fire code official* shall have the authority to require an increase in the minimum access widths and vertical clearances where they are inadequate for fire or rescue operations or where necessary to meet the public safety objectives of the jurisdiction.
- (29) **503.2.3** Change 503.2.3 to read as follows  
**Surface.** Fire apparatus access roads shall be designed and maintained to support imposed loads of 80,000 lbs for fire apparatus and shall be surfaced so as to provide all-weather driving capabilities.
- (30) **503.3** Change 503.3 to read as follows  
**Marking.** Striping, signs, or other markings, as approved by the *fire code official*, shall be provided for fire apparatus access roads to identify such roads and prohibit

the obstruction thereof. Said approved notices or markings shall include the words NO PARKING-FIRE LANE and shall follow the requirements set out below. Striping, signs and other markings shall be maintained in a clean and legible condition at all times and be replaced or repaired when necessary to provide adequate visibility.

**(1) Striping** – Fire apparatus access roads shall be continuously marked by painted lines of red traffic paint six inches (6”) in width to show the boundaries of the lane. The words “NO PARKING FIRE LANE” or “FIRE LANE NO PARKING” shall appear in four inch (4”) white letters at 25 feet intervals on the red border markings along both sides of the fire lanes. Where a curb is available, the striping shall be on the vertical face of the curb.

**(2) Signs** – Signs shall read “NO PARKING FIRE LANE” or “FIRE LANE NO PARKING” and shall be 12” wide and 18” high. Signs shall be painted on a white background with letters and borders in red, using not less than 2” lettering. Signs shall be permanently affixed to a stationary post and the bottom of the sign shall be six feet, six inches (6’6”) above finished grade. Signs shall be spaced not more than fifty feet (50’) apart along both sides of the fire lane. Signs may be installed on permanent buildings or walls or as approved by the Fire Chief.

(31) **503.4** Change 503.4 to read as follows

**Obstruction of Fire Apparatus Access Roads.** Fire apparatus access roads shall not be obstructed in any manner, including the parking of vehicles. The minimum widths and clearances established in Section 503.2.1 and any area marked as a fire lane as described in Section 503.3 shall be maintained at all times.

(32) **505.1** Change 505.1 to read as follows

**Address Identification.** New and existing buildings shall be provided with approved address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be not less than 6 inches (152.4 mm) high with a minimum stroke width of 1/2 inch (12.7 mm). Where required by the fire code official, address identification shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road, buildings do not immediately front a street, or the building cannot be viewed from the public way, a monument, pole or other sign with approved 6 inch (152.4 mm) height building numerals or addresses and 4 inch (101.6 mm) height suite/apartment numerals of a color contrasting with the background of the building or other approved means shall be used to identify the structure. Numerals or addresses shall be posted on a minimum 20 inch (508 mm) by 30 inch (762 mm) background on border. Address identification shall be maintained and visible.

**Exception:** R-3 Single Family occupancies shall have approved numerals of a

minimum 3 ½ inches (88.9 mm) in height and a color contrasting with the background clearly visible and legible from the street fronting the property and rear alleyway where such alleyway exists.

(33) **507.4** Change 507.4 to read as follows

**Water Supply Test Date and Information.** The water supply test used for hydraulic calculation of fire protection systems shall be conducted in accordance with NFPA 291 “Recommended Practice for Fire Flow Testing and Marking of Hydrants” and within one year of sprinkler plan submittal. The *fire code official* shall be notified prior to the water supply test. Water supply tests shall be witnessed by the *fire code official*. Design drawings are required. The exact location of the static/residual hydrant and the flow hydrant shall be indicated on the design drawings. All fire protection plan submittals shall be accompanied by a digital and hard copies of the waterflow test report, or either digital or hard copies, as approved by the *fire code official*. The report must indicate the dominant water tank level at the time of the test and the maximum and minimum operating levels of the tank, as well, or identify applicable water supply fluctuation. The licensed contractor must then design the fire protection system based on this fluctuation information, as per the applicable referenced NFPA standard. Reference Section 903.3.5 for additional design requirements.

(34) **507.5.4** Change 507.5.4 to read as follows:

**Obstruction.** Unobstructed access to fire hydrants shall be maintained at all times. Posts, fences, vehicles, growth, trash, storage and other materials or objects shall not be placed or kept near fire hydrants, fire department inlet connections or fire protection system control valves in a manner that would prevent such equipment or fire hydrants from being immediately discernible. The fire department shall not be deterred or hindered from gaining immediate access to fire protection equipment or fire hydrants.

(35) **509.1.2** Change 509.1.2 to read as follows

**Sign Requirements.** Unless more stringent requirements apply, lettering for signs required by this section shall have a minimum height of 2 inches (50.8 mm) when located inside a building and 4 inches (101.6 mm) when located outside, or as approved by the *fire code official*. The letters shall be of a color that contrasts with the background.

(36) **603.3.2.1** Change 603.3.2.1 to read as follows

**Quantity Limits.**

**Exception:** The aggregate capacity limit shall be permitted to be increased to 3,000 gallons (11,356 L) in accordance with all requirements of Chapter 57.

(37) **603.3.2.2** Change 603.3.2.2 to read as follows

**Restricted Use and Connection.** Tanks installed in accordance with Section

603.3.2 shall be used only to supply fuel oil to fuel-burning equipment installed in accordance with Section 603.3.2.4. Connections between tanks and equipment supplied by such tanks shall be made using closed piping systems.

(38) **604.1.1** Change 604.1.1 to read as follows

**Stationary Generators.** Stationary emergency and standby power generators required by this code shall be *listed* in accordance with UL 2200.

(39) **604.1.2** Change 604.1.2 to read as follows

**Installation.** Emergency power systems and standby power systems shall be installed in accordance with the *International Building Code*, NFPA 70, NFPA 110 and NFPA 111. Existing installations shall be maintained in accordance with the original approval, except as specified in Chapter 11.

(40) **604.1.9** Add 604.1.9 to read as follows

**Critical Operations Power Systems (COPS).** For Critical Operations Power Systems necessary to maintain continuous power supply to facilities or parts of facilities that require continuous operation for the reasons of public safety, emergency management, national security, or business continuity, see NFPA 70.

(41) **604.2** Change 604.2 to read as follows

**Where Required.** Emergency and standby power systems shall be provided where required by Sections 604.2.1 through 604.2.24 or elsewhere identified in this code or any other referenced code.

(42) **604.2.4** Change 604.2.4 to read as follows

**Emergency Voice/alarm Communications Systems.** Emergency power shall be provided for emergency voice/alarm communications systems in the following occupancies, or as specified elsewhere in this code, as required in Section 907.5.2.2.5. The system shall be capable of powering the required load for a duration of not less than 24 hours, as required in NFPA 72.

Covered and Open Malls, Section 907.2.20 and 914.2.3  
Group A Occupancies, Sections 907.2.1 and 907.5.2.2.4.  
Special Amusement Buildings, Section 907.2.12.3  
High-rise Buildings, Section 907.2.13  
Atriums, Section 907.2.14  
Deep Underground Buildings, Section 907.2.19

(43) **604.2.12** Change 604.2.12 to read as follows

**Means of Egress Illumination.** Emergency power shall be provided for *means of egress* illumination in accordance with Sections 1008.3 and 1104.5.1. (90 minutes)

(44) **604.2.13** Change 604.2.13 to read as follows

**Membrane Structures.** Emergency power shall be provided for *exit* signs in temporary tents and membrane structures in accordance with Section 3103.12.6.1.

(90 minutes) Standby power shall be provided for auxiliary inflation systems in permanent membrane structures in accordance with Section 2702 of the *International Building Code*. (4 hours) Auxiliary inflation systems shall be provided in temporary air-supported and air-inflated membrane structures in accordance with section 3103.10.4.

- (45) **604.2.15 Smoke Control Systems.** Change 604.2.15 to read as follows

Standby power shall be provided for smoke control systems in the following occupancies, or as specified elsewhere in this code, as required in Section 909.11:

Covered Mall Building, *International Building Code*, Section 402.7

Atriums, *International Building Code*, Section 404.7

Underground Buildings, *International Building Code*, Section 405.8

Group I-3, *International Building Code*, Section 408.4.2

Stages, *International Building Code*, Section 410.3.7.2

Special Amusement Buildings (as applicable to Group A's), *International Building Code*, Section 411.1

Smoke Protected Seating, Section 1029.6.2.1

- (46) **604.2.17** Add 604.2.17 to read as follows

**Covered and Open Mall Buildings.** Emergency power shall be provided in accordance with Section 907.2.20 and 914.2.3.

- (47) **604.2.18** Add 604.2.18 to read as follows

**Airport Traffic Control Towers.** A standby power system shall be provided in airport traffic control towers more than 65 ft. in height. Power shall be provided to the following equipment:

1. Pressurization equipment, mechanical equipment and lighting.
2. Elevator operating equipment.
3. Fire alarm and smoke detection systems.

- (48) **604.2.19** Add 604.2.19 to read as follows

**Smokeproof Enclosures and Stair Pressurization Alternative.** Standby power shall be provided for smokeproof enclosures, stair pressurization alternative and associated automatic fire detection systems as required by the *International Building Code*, Section 909.20.6.2.

- (49) **604.2.20** Add 604.2.20 to read as follows:

**Elevator Pressurization.** Standby power shall be provided for elevator pressurization system as required by the *International Building Code*, Section 909.21.5.

- (50) **604.2.21** Add 604.2.21 to read as follows:

**Elimination of Smoke Dampers in Shaft Penetrations.** Standby power shall be provided when eliminating the smoke dampers in ducts penetrating shafts in accordance with the *International Building Code*, Section 717.5.3, exception 2.3.

- (51) **604.2.22** Add 604.2.22 to read as follows  
**Common Exhaust Systems for Clothes Dryers.** Standby power shall be provided for common exhaust systems for clothes dryers located in multistory structures in accordance with the *International Mechanical Code*, Section 504.10, Item 7.
- (52) **604.2.23** Add 604.2.23 to read as follows:  
**Hydrogen Cutoff Rooms.** Standby power shall be provided for mechanical ventilation and gas detection systems of Hydrogen Cutoff Rooms in accordance with the *International Building Code*, Section 421.8.
- (53) **604.2.24** Add 604.2.24 to read as follows:  
**Means of Egress Illumination in Existing Buildings.** Emergency power shall be provided for *means of egress* illumination in accordance with Section 1104.5 when required by the fire code official. (90 minutes in I-2, 60 minutes elsewhere.)
- (54) **604.8 Energy Time Duration.** Add 604.8 to read as follows:  
Unless a time limit is specified by the fire code official, in this chapter or elsewhere in this code, or in any other referenced code or standard, the emergency and standby power system shall be supplied with enough fuel or energy storage capacity for not less than 2-hour full-demand operation of the system.  
**Exception:** Where the system is supplied with natural gas from a utility provider and is approved.
- (55) **609.2 Where Required.** Change 609.2 to read as follows  
A Type I hood shall be installed at or above all commercial cooking appliances and domestic cooking appliances used for commercial purposes that produce grease vapors, including but not limited to cooking equipment used in fixed, mobile, or temporary concessions, such as trucks, buses, trailers, pavilions, or any form of roofed enclosure, as required by the fire code official.
- Exceptions:**
1. Tents, as provided for in Chapter 31.
  2. {No change to existing Exception.}
- Additionally, fuel gas and power provided for such cooking appliances shall be interlocked with the extinguishing system, as required by Section 904.12.2. Fuel gas containers and piping/hose shall be properly maintained in good working order and in accordance with all applicable regulations.
- (56) **704.1** Change 704.1 to read as follows  
**Enclosure.** Interior vertical shafts including, but not limited to, *stairways*, elevator hoistways, service and utility shafts, that connect two or more stories of a building shall be enclosed or protected in accordance with the codes in effect at the time of construction but, regardless of when constructed, not less than as required in

Chapter 11. New floor openings in existing buildings shall comply with the *International Building Code*.

(57) **807.3 Combustible Decorative Materials.** Change 807.3 to read as follows

In occupancies in Groups A, E, I, and R-1, and dormitories in Group R-2, curtains, draperies, fabric hangings and other similar combustible decorative materials suspended from walls or ceilings shall comply with Section 807.4 and shall not exceed 10 percent of the specific wall or ceiling area to which they are attached.

(58) **807.5.2.2** Change 807.5.2.2 to read as follows

**Flammable material in Corridors.** Flammable materials shall be limited on the walls of corridors to not more than 20 percent of the wall area. Such materials shall not be continuous from floor to ceiling or wall to wall. Curtains, draperies, wall hangings, and other decorative material suspended from the walls or ceilings shall meet the flame propagation performance criteria of NFPA 701 in accordance with Section 807 or be noncombustible.

**Exception:** Corridors protected by an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 shall be limited to 50 percent of the wall area.

(59) **807.5.2.3** Change 807.5.2.3 to read as follows

**Flammable materials in Classrooms.** Flammable materials (which may include, but is not limited to, artwork and teaching materials) shall be limited on walls of classrooms to not more than 50 percent of the specific wall area to which they are attached.

Curtains, draperies, wall hangings and other decorative material suspended from the walls or ceilings shall meet the flame propagation performance criteria of NFPA 701 in accordance with Section 807 or be noncombustible.

(60) **Section 901.4.6.1 Add 901.4.6.1** to read as follows

**Riser Access:** All risers supplying multiple occupancies shall be located in a separate individual room to include an exterior door with direct access.

**Exception:** Buildings containing a single occupancy shall have an exterior door located within 10 feet (10') of the riser or an approved distance as determined by the code official.

**ALL** riser access doors shall be labeled with 6" (six inch) letters "Riser Room."  
A key box shall be provided at this door, as required by Section 506.1.

(61) **901.6.1.1** Add 901.6.1.1 to read as follows

**Standpipe Testing.** Building owners/managers must maintain and test standpipe systems as per NFPA 25 requirements. The following additional requirements shall be applied to the testing that is required every 5 years:

9. The piping between the Fire Department Connection (FDC) and the standpipe shall be backflushed when foreign material is present, and also hydrostatically tested for all FDC's on any type of standpipe system. Hydrostatic testing shall also be conducted in accordance with NFPA 25 requirements for the different types of standpipe systems.
10. For any manual (dry or wet) standpipe system not having an automatic water supply capable of flowing water through the standpipe, the tester shall connect hose from a fire hydrant or portable pumping system (as approved by the *fire code official*) to each FDC, and flow water through the standpipe system to the roof outlet to verify that each inlet connection functions properly. The tester shall confirm that there are no open hose valves prior to introducing water into a dry standpipe and verify that check valves function properly and that there are no closed control valves on the system. There is no required pressure criteria at the outlet.
11. Any pressure relief, reducing, or control valves shall be tested in accordance with the requirements of NFPA 25. All hose valves shall be exercised.
12. If the FDC is not already provided with approved caps, the owner, agent, contractor or person in charge of construction or maintenance shall install such caps for all FDC's as required by the *fire code official*.
13. Upon successful completion of standpipe test, place a blue tag (as per Texas Administrative Code, Fire Sprinkler Rules for Inspection, Test and Maintenance Service (ITM) Tag) at the bottom of each standpipe riser in the building. The tag shall be check-marked as "Fifth Year" for Type of ITM, and the note on the back of the tag shall read "5 Year Standpipe Test" at a minimum.
14. The procedures required by Texas Administrative Code Fire Sprinkler Rules with regard to Yellow Tags and Red Tags (currently at 28 TAC 34.700 and more specifically at 28 TAC 721 for Yellow Tags and 28 TAC 34.722 for Red Tags) or any deficiencies noted during the testing, including the required notification of the local Authority Having Jurisdiction (*fire code official*) shall be followed.
15. Additionally, records of the testing shall be maintained by the owner and contractor, if applicable, as required by the Texas Statutes and Texas Administrative Code and NFPA 25.
16. Standpipe system tests where water will be flowed external to the building shall not be conducted during freezing conditions or during the day prior to expected night time freezing conditions.
17. Contact the *fire code official* for requests to remove existing fire hose from Class II and III standpipe systems where employees are not trained in the utilization of this firefighting equipment. All standpipe hose valves must remain in place and be provided with an approved cap and chain when approval is given to remove hose by the *fire code official*.

(62) **901.6.3** Add 901.6.3 to read as follows

**False Alarms and Nuisance Alarms.** False alarms and nuisance alarms shall not be given, signaled or transmitted or caused or permitted to be given, signaled or transmitted in any manner.

(63) **901.7** Change 901.7 to read as follows

**Systems Out of Service.** Where a required *fire protection system* is out of service or in the event of an excessive number of false or unnecessary activations, the fire department and the *fire code official* shall be notified immediately and, where required by the *fire code official*, the building shall either be evacuated or an *approved fire watch* shall be provided for all occupants left unprotected by the shut down until the *fire protection system* has been returned to service.

It shall be presumed that the number of activations is excessive when activations occur for a false or unnecessary alarm four or more times in a 12 month period.

Where utilized, fire watches shall be provided with not less than one *approved* means for notification of the department and their only duty shall be to perform constant patrols of the protected premises and keep watch for fires.

(64) **901.8.2** Change 901.8.2 to read as follows

**Removal of Occupant-use Hose Lines.** The *fire code official* is authorized to permit the removal of occupant-use hose lines and hose valves where all of the following conditions exist:

1. The hose line(s) would not be utilized by trained personnel or the fire department.
2. If the occupant-use hose lines are removed, but the hose valves are required to remain as per the fire code official, such shall be compatible with local fire department fittings.

(65) **903.1.1** Change 903.1.1 to read as follows

**Alternative Protection.** Alternative automatic fire-extinguishing systems complying with Section 904 shall be permitted in addition to automatic sprinkler protection where recognized by the applicable standard, or as *approved* by the *fire code official*.

(66) **903.2** Change 903.2 to read as follows

**Where Required.** 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.”

(67) **903.2.9.3** Add 903.2.9.2 to read as follows:

**Self-Service Storage Facility.** An automatic sprinkler system shall be installed throughout all self-service storage facilities.

(68) 903.2.11.3 Buildings – 35 feet or more in height. An automatic sprinkler system shall be installed throughout buildings be installed throughout buildings that have one or more stories, other than penthouses in compliance with Section 1510 of the *International Building Code*, located 35 feet (10 668 mm) or more above the lowest level of fire department vehicle access, measured to the finished floor.  
Exceptions: Open parking structures in compliance with Section 406.5 of the *International Building Code*, having no other occupancies above the subject garage.

(69) **903.2.11.7** Add 903.2.11.7 to read as follows:

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

(70) **903.2.11.8** Add 903.2.11.8 to read as follows:

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.

(71) **903.2.11.9** Add 903.2.11.9 to read as follows:

**Buildings Over 6,000 sq. ft.** An automatic sprinkler system shall be installed throughout all buildings with a building area 6,000 sq. ft. or greater and in all existing buildings that are enlarged to be 6,000 sq. ft. or greater. For the purpose of this provision, fire walls shall not define separate buildings.

**Exception:** Open parking garages in compliance with Section 406.5 of the *International Building Code*.

(72) **903.3.1.1.1** Change 903.3.1.1.1 to read as follows

**Exempt Locations.** When approved by the *fire code official*, automatic sprinklers shall not be required in the following rooms or areas where such rooms or areas are protected with an *approved* automatic fire detection system in accordance with Section 907.2 that will respond to visible or invisible particles of combustion. Sprinklers shall not be omitted from a room merely *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. Elevator machine rooms, machinery spaces, and hoistways, other than pits where such sprinklers would not necessitate shunt trip requirements under any circumstances.

(73) **Section 903.3.1.2.3** Change 903.3.1.2.3 to read as follows

**Attics and Attached Garages.** Sprinkler protection is required in attic spaces of such buildings two or more stories in height, in accordance with NFPA 13 and or NFPA 13R requirements, and attached garages.

(74) **903.3.1.3** Change 903.3.1.3 to read as follows

**NFPA 13D Sprinkler Systems.** *Automatic sprinkler systems* installed in one- and two-family *dwelling*s; Group R-3; Group R-4 Condition 1 and *townhouses* shall be permitted to be installed throughout in accordance with NFPA 13D or in accordance with state law.

(75) **903.3.1.4** Add 903.3.1.4 to read as follows

**Freeze protection.** Freeze protection systems for automatic fire sprinkler systems shall be in accordance with the requirements of the applicable referenced NFPA standard and this section.

(76) **903.3.1.4.1** Add 903.3.1.4.1 to read as follows

**Attics.** Only dry-pipe, preaction, or listed antifreeze automatic fire sprinkler systems shall be allowed to protect attic spaces.

**Exception:** Wet-pipe fire sprinkler systems shall be allowed to protect non-ventilated attic spaces where:

1. The attic sprinklers are supplied by a separate floor control valve assembly to allow ease of draining the attic system without impairing sprinklers throughout the rest of the building, and
2. Adequate heat shall be provided for freeze protection as per the applicable referenced NFPA standard, and
3. The attic space is a part of the building's thermal, or heat, envelope, such that insulation is provided at the roof deck, rather than at the ceiling level.

(77) **903.3.1.4.2** Add **903.3.1.4.2** to read as follows

**Heat trace/insulation.** Heat trace/insulation shall only be allowed where approved by the fire code official for small sections of large diameter water-filled pipe.

(78) **903.3.1.4.3** Add **903.3.1.4.3**

**Protection Against Freezing.** New and existing fire sprinkler systems, including risers, shall be an approved design to protect against freezing or be in a conditioned space in order to maintain a temperature above 40 degrees Fahrenheit (four degrees

Celsius). Areas or rooms containing risers shall be monitored for temperature conditions by the fire alarm panel and send a supervisory signal upon alarm. Heaters shall be hard wired with a maintenance disconnect in a location to be determined by the code official.

(79) **Section 903.3.5; add a second paragraph to read as follows:**

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

(80) **Section 903.4; add a second paragraph after the exceptions to read as follows:**

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.

(81) **Section 903.4.2; add second paragraph to read as follows:**

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

(82) **905.2** Change 905.2 to read as follows

**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 and low alarm.

(83) **905.3.9** Add 905.3.9 to read as follows

**Buildings Exceeding 10,000 sq. ft.** In buildings exceeding 10,000 square feet in area per story and 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, Class I automatic wet or manual wet standpipes shall be provided.

**Exceptions:**

1. Automatic dry and semi-automatic dry standpipes are allowed as provided for in NFPA 14.
2. R-2 occupancies of four stories or less in height having no interior corridors.

(84) **Section 905.4**, change Item 1, 3, and 5, and add Item 7 to read as follows:

1. In every required exit stairway, a hose connection shall be provided for each story above and below grade plane. Hose connections shall be located at an intermediate landing between stories, unless otherwise approved by the fire code official.

2. {No change.}
3. In every exit passageway, at the entrance from the exit passageway to other areas of a building.

**Exception:** Where floor areas adjacent to an exit passageway are reachable from an exit stairway hose connection by a 30 foot hose stream from a nozzle attached to 100 feet of hose, a hose connection shall not be required at the horizontal exit.

- 4.. {No change.}
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 hose connection located to serve the roof or at the highest landing of an exit stairway with stair access to the roof provided in accordance with Section 1011.12.
6. {No change.}
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, or as otherwise approved by the fire code official.

(85) **Section 905.9;** add a second paragraph after the exceptions to read as follows:

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.

(86) **907.1.4** Add 907.1.4 to read as follows

**Design Standards.** Where a new fire alarm system is installed, the devices shall be addressable. Fire alarm systems utilizing more than 20 smoke detectors shall have analog initiating devices.

(87) **907.2.1** Change 907.2.1 to read as follows

**Group A.** A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 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 707.3.10 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:** {No change.}

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.

(88) **907.2.3** Change 907.2.3 to read as follows

**Group E.** A manual fire alarm system that initiates the occupant notification signal utilizing an emergency voice and 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.

**Exceptions:**

1. {No change.}
  - 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.) {No change to remainder of exceptions.}

(89) **Section 907.2.13, Exception 3; change to read as follows:**

3. Open air portions of buildings with an occupancy in Group A-5 in accordance with Section 303.1 of the *International Building Code*; however, this exception does not apply to accessory uses including but not limited to sky boxes, restaurants, and similarly enclosed areas.

(90) **907.4.2.7** Add 907.4.2.7 to read as follows:

**Type.** Manual alarm initiating devices shall be an approved double action type.

(91) **907.6.1.1** Add 907.6.1.1 to read as follows:

**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 a signaling line circuit interface device may be wired Class B, provided the distance from the interface device to the initiating device is ten feet or less.

(92) **Section 907.6.3;** delete all four Exceptions.

(93) **Section 907.6.6;** add sentence at end of paragraph to read as follows:

See 907.6.3 for the required information transmitted to the supervising station.

(94) **909.22** Add 909.22 to read as follows

**Stairway or Ramp Pressurization Alternative.** Where the building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 and the stair pressurization alternative is chosen for compliance with Building Code requirements for a smokeproof enclosure, interior exit stairways or ramps shall be pressurized to a minimum of 0.10 inches of water (25 Pa) and a maximum of 0.35 inches of water (87 Pa) in the shaft relative to the building measured with all interior exit stairway and ramp doors closed under maximum anticipated conditions of stack effect and wind effect. Such systems shall comply with Section 909, including the installation of a separate fire-fighter's smoke control panel as per Section 909.16, and a Smoke Control Permit shall be required from the fire department as per Section 105.7.

(95) **909.22.1** Add 909.22.1 to read as follows:

**Ventilating equipment.** The activation of ventilating equipment for the stair or ramp pressurization system shall be by smoke detectors installed at each floor level at an approved location at the entrance to the smokeproof enclosure. When the closing device for the stairway or ramp shaft and vestibule doors is activated by smoke detection or power failure, the mechanical equipment shall activate and operate at the required performance levels. Smoke detectors shall be installed in accordance with Section 907.3.

(96) **909.22.1.1** Add 909.22.1.1 to read as follows:

**Ventilation Systems.** Smokeproof enclosure ventilation systems shall be independent of other building ventilation systems. The equipment, control wiring, power wiring and ductwork shall comply with one of the following:

1. Equipment, control wiring, power wiring and ductwork shall be located exterior to the building and directly connected to the smokeproof enclosure or connected to the smokeproof enclosure by ductwork enclosed by not less than 2-hour fire barriers constructed in accordance with Section 707 of the Building Code or horizontal assemblies constructed in accordance with Section 711 of the Building Code, or both.
2. Equipment, control wiring, power wiring and ductwork shall be located within the smokeproof enclosure with intake or exhaust directly from and to the outside or through ductwork enclosed by not less than 2-hour barriers constructed in accordance with Section 707 of the Building Code or horizontal assemblies constructed in accordance with Section 711 of the Building Code, or both.
3. Equipment, control wiring, power wiring and ductwork shall be located within the building if separated from the remainder of the building, including other mechanical equipment, by not less than 2-hour fire barriers constructed in accordance with Section 707 of the Building Code or horizontal assemblies constructed in accordance with Section 711 of the Building Code, or both.

**Exceptions:**

1. Control wiring and power wiring utilizing a 2-hour rated cable or cable system.
2. Where encased with not less than 2 inches (51 mm) of concrete.
3. Control wiring and power wiring protected by a listed electrical circuit protective system with a fire-resistance rating of not less than 2 hours.

(97) **909.21.1.2** Add 909.22.1.2 to read as follows

**Standby Power.** Mechanical vestibule and stairway and ramp shaft ventilation systems and automatic fire detection systems shall be provided with standby power in accordance with Section 2702 of the Building Code.

(98) **909.22.1.3** Add 909.22.1.3 to read as follows

**Acceptance and Testing.** Before the mechanical equipment is approved, the system shall be tested in the presence of the code official to confirm that the system is operating in compliance with these requirements.

(99) **Section 910.2; change Exception 2. and 3. to read as follows:**

2. Only manual smoke and heat removal shall be required in areas of buildings equipped with early suppression fast-response (ESFR) sprinklers. Automatic smoke and heat removal is prohibited.

3. Only manual smoke and heat removal shall be required in areas of buildings equipped with control mode special application sprinklers with a response time index of  $50(m \cdot S)^{1/2}$  or less that are listed to control a fire in stored commodities with 12 or fewer sprinklers. Automatic smoke and heat removal is prohibited.

(100) **910.2.3** Add 910.2.3 to read as follows:

**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 m<sup>2</sup>) 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.

(101) **910.3.4** Add 910.3.4 to read as follows:

**Vent Operation.** Smoke and heat vents shall be capable of being operated by approved automatic and manual means. Automatic operation of smoke and heat vents shall conform to the provisions of Sections 910.3.2.1 through 910.3.2.3.

(102) **910.3.4.1** Add 910.3.4.1 to read as follows:

**Sprinklered buildings.** Where installed in buildings equipped with an approved automatic sprinkler system, smoke and heat vents shall be designed to operate automatically.

The automatic operating mechanism of the smoke and heat vents shall operate at a temperature rating at least 100 degrees F (approximately 38 degrees Celsius) greater than the temperature rating of the sprinklers installed.

**Exception:** Manual only systems per Section 910.2.

(103) **910.3.4.2** Add 910.3.4.2 to read as follows:

**Nonsprinklered Buildings.** Where installed in buildings not equipped with an approved automatic sprinkler system, smoke and heat vents shall operate automatically by actuation of a heat-responsive device rated at between 100°F (56°C) and 220°F (122°C) above ambient.

**Exception:** Listed gravity-operated drop out vents.

(104) **910.4.3.1** Change 910.4.3.1 to read as follows

**Makeup Air.** Makeup air openings shall be provided within 6 feet (1829 mm) of the floor level. Operation of makeup air openings shall be automatic. The minimum gross area of makeup air inlets shall be 8 square feet per 1,000 cubic feet per minute (0.74 m<sup>2</sup> per 0.4719 m<sup>3</sup>/s) of smoke exhaust.

(105) **910.4.4** Change 910.4.4 to read as follows

**Activation.** The mechanical smoke removal system shall be activated automatically by the automatic sprinkler system or by an approved fire detection system. Individual manual controls shall also be provided.

**Exception:** Manual only systems per Section 910.2.

(106) **912.2.3** Add 912.2.3 to read as follows:

**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.

(107) **Section 913.2.1;** add second paragraph and exception to read as follows:

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 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 *code official*. Access keys shall be provided in the key box as required by Section 506.1.

(108) **914.3.1.2** Change 914.3.1.2 to read as follows

**Water Supply to required Fire Pumps.** In buildings that are more than 120 feet (128 m) in *building height*, required fire pumps shall be supplied by connections to no fewer than two water mains located in different streets. Separate supply piping shall be provided between each connection to the water main and the pumps. Each connection and the supply piping between the connection and the pumps shall be sized to supply the flow and pressure required for the pumps to operate.

**Exception:** {No change to exception.}

(109) **1006.2.2.6** Add 1006.2.2.6 to read as follows:

**Electrical Rooms.** For electrical rooms, special exiting requirements may apply. Reference the Electrical Code as adopted.

(110) **Section 1009.1; add the following Exception 4:**

**Exceptions:**

*{previous exceptions unchanged}*

4. Buildings regulated under State Law and built in accordance with State registered plans, including any variances or waivers granted by the State, shall be deemed to be in compliance with the requirements of Section 1009.

(111) **Section 1010.1.9.4 Bolt Locks; change 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, manually operated edge- or surface-mounted bolts are permitted on the inactive leaf. The inactive leaf shall not contain doorknobs, panic bars, or similar operating hardware.
4. Where a pair of doors serves a Group A, B, F, M or S occupancy, manually operated edge- or surface mounted bolts are permitted on the inactive leaf provided such inactive leaf is not needed to meet egress requirements and the building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1. The inactive leaf shall not contain doorknobs, panic bars, or similar operating hardware.
5. {To remain unchanged}

(112) **Section 1015.8 Window Openings; change number 1 to read as follows:**

1. Operable windows where the top of the sill of the opening is located more than 55 (16 764 mm) above the finished grade or other surface below and that are provided with window fall prevention devices that comply with ASTM F 2006.

(113) **Section 1020.1 Construction; add Exception 6 to read as follows:**

6. In group B occupancies, corridor walls and ceilings need not be of fire-resistive construction within a single tenant space when the space is equipped with approved automatic smoke-detection within the corridor. The actuation of any detector shall activate self-annunciating alarms audible in all areas within the corridor. Smoke detectors shall be connected to an approved automatic fire alarm system where such system is provided.

(114) **Section 1029.1.1.1; delete this section. Spaces under Grandstands and Bleachers:**

*(Reason: Unenforceable.)*

(115) **1031.2** Change 1031.2 to read as follows

**Reliability.** Required *exit accesses, exits* and *exit discharges* shall be continuously maintained free from obstructions or impediments to full instant use in the case of fire or other emergency. An *exit* or *exit passageway* shall not be used for any purpose that interferes with a means of egress.

(116) **Section 1103.3; add sentence to end of paragraph as follows:**

Provide emergency signage as required by Section 607.3.

(117) **1103.5.1** Change 1103.5.1 to read as follows

**Spray Booths and Rooms.** Existing spray booths and spray rooms shall be protected by an approved automatic fire-extinguishing system in accordance with Section 2404.

(118) **1103.7.8** Add 1103.7.8 to read as follows:

**Fire Alarm System Design Standards.** Where an existing fire alarm system is upgraded or replaced, the devices shall be addressable. Fire alarm systems utilizing more than 20 smoke and/or heat detectors shall have analog initiating devices.

**Exception:** Existing systems need not comply unless the total building, or fire alarm system, remodel or expansion exceeds 30% of the building. When cumulative building, or fire alarm system, remodel or expansion initiated after the date of original fire alarm panel installation exceeds 50% of the building, or fire alarm system, the fire alarm system must comply within 18 months of permit application.

(119) **1103.7.8.1** Add 1103.7.8.1 to read as follows:

**Communication requirements.** Refer to Section 907.6.6 for applicable requirements.

(120) **2304.1** Change 2304.1 to read as follows

**Supervision of Dispensing.** The dispensing of fuel at motor fuel-dispensing facilities shall be the following:

1. Conducted by a qualified attendant; and/or,
2. Shall be under the supervision of a qualified attendant; and/or
3. Shall be an unattended self-service facility in accordance with Section 2304.3.

At any time the qualified attendant of item Number 1 or 2 above is not present, such operations shall be considered as an unattended self-service facility and shall also comply with Section 2304.3.

(121) **Section 2401.2; delete this section out of IFC**

(122) **Table 3206.2, footnote j;**

j. Where storage areas are protected by either early suppression fast response (ESFR) sprinkler systems or control mode special application sprinklers with a response time index of  $50 (m \cdot s)^{1/2}$  or less that are listed to control a fire in the stored commodities with 12 or fewer sprinklers, installed in accordance with NFPA 13, manual smoke and heat vents or manually activated engineered mechanical smoke exhaust systems shall be required within these areas.

(123) **Section 3310.1;** add sentence to end of paragraph to read as follows:

When fire apparatus access roads are required to be installed for any structure or development, they shall be approved prior to the time at which construction has progressed beyond completion of the foundation of any structure.

(124) **5601.1.3** Change 5601.1.3 to read as follows

**Fireworks.** The possession, manufacture, storage, sale, handling, and use of fireworks are prohibited.

**Exceptions:**

1. Only when approved for fireworks displays, storage, and handling of fireworks as allowed in Section 5604 and 5608.
2. The use of fireworks for approved fireworks displays as allowed in Section 5608.

(125) **5703.6** Change 5703.6 to read as follows

**Piping Systems.** Piping systems, and their component parts, for flammable and combustible liquids shall be in accordance with Sections 5703.6.1 through 5703.6.11. An *approved* method of secondary containment shall be provided for underground tank and piping systems.

(126) **5704.2.9.5** Add 5704.2.9.5 to read as follows:

**Above-ground Tanks Inside of Buildings.** Above-ground tanks inside of buildings shall comply with Section 5704.2.9.5.1 through 5704.2.9.5.3.

(127) **5704.2.9.5.3** Add 5704.2.9.5.3 to read as follows:

**Combustible Liquid Storage Tanks Inside of Buildings.** The maximum aggregate allowable quantity limit shall be 3,000 gallons (11 356 L) of Class II or III combustible liquid for storage in protected aboveground tanks complying with Section 5704.2.9.7 when all of the following conditions are met:

1. The entire 3,000 gallon (11 356 L) quantity shall be stored in protected above-ground tanks;
2. The 3,000 gallon (11 356 L) capacity shall be permitted to be stored in a single tank or multiple smaller tanks;
3. The tanks shall be located in a room protected by an *automatic sprinkler system* complying with Section 903.3.1.1; and
4. Tanks shall be connected to fuel-burning equipment, including generators, utilizing an *approved* closed piping system.

The quantity of combustible liquid stored in tanks complying with this section shall not be counted towards the maximum allowable quantity set forth in Table 5003.1.1(1), and such tanks shall not be required to be located in a control area. Such tanks shall not be located more than two stories below grade.

(128) **5704.2.11.4** Change 5704.2.11.4 to read as follows

**Leak Prevention.** Leak prevention for underground tanks shall comply with Sections 5704.2.11.4.1 through 5704.2.11.4.3. An *approved* method of secondary containment shall be provided for underground tank and piping systems.

(129) **5704.2.11.4.2** Change 5704.2.11.4.2 to read as follows

**Leak Detection.** Underground storage tank systems shall be provided with an *approved* method of leak detection from any component of the system that is designed and installed in accordance with NFPA 30 and as specified in Section 5704.2.11.4.3.

(130) **5704.2.11.4.3** Add 5704.2.11.4.3 to read as follows:

**Observation Wells.** Approved sampling tubes of a minimum 4 inches in diameter shall be installed in the backfill material of each underground flammable or combustible liquid storage tank. The tubes shall extend from a point 12 inches below the average grade of the excavation to ground level and shall be provided with suitable surface access caps. Each tank site shall provide a sampling tube at the corners of the excavation with a minimum of 4 tubes. Sampling tubes shall be placed in the product line excavation within 10 feet of the tank excavation and one every 50 feet routed along product lines towards the dispensers, a minimum of two are required.

(131) **6103.2.1.8** Add 6103.2.1.8 to read as follows:

**Jewelry Repair, Dental Labs and Similar Occupancies.** Where natural gas service is not available, portable LP-Gas containers are allowed to be used to supply approved torch assemblies or similar appliances. Such containers shall not exceed 20-pound (9.0 kg) water capacity. Aggregate capacity shall not exceed 60-pound (27.2 kg) water capacity. Each device shall be separated from other containers by a distance of not less than 20 feet.

(132) **6104.2** Change 6104.2 Exception by adding a second exception to read as follows

**Maximum Capacity within Established Limits.**

**Exceptions:**

1. *{existing text unchanged}*
2. Except as permitted in Sections 308 and 6104.3.2, LP-gas containers are not permitted in residential areas.

(133) **6104.3.2** Change 6104.3.2 to read as follows

**Spas, Pool Heaters, and Other Listed Devices.** Where natural gas service is not available, an LP-gas container is allowed to be used to supply spa and pool heaters or other listed devices. Such container shall not exceed 250-gallon water capacity per lot. See Table 6104.3 for location of containers.

**Exception:** Lots where LP-gas can be off-loaded wholly on the property where the tank is located may install up to 500 gallon above ground or 1,000 gallon underground approved containers.

(134) **6107.4** Change 6107.4 to read as follows

**Protecting Containers from Vehicles.** Where exposed to vehicular damage due to proximity to alleys, driveways or parking areas, LP-gas containers, regulators and piping shall be protected in accordance with Section 312.

(135) **6109.13** Change 6109.13 to read as follows

**Protection of Containers.** LP-gas containers shall be stored within a suitable enclosure or otherwise protected against tampering. Vehicle impact protection shall be provided as required by Section 6107.4.

(136) **Table B105.2; change footnote a. to read as follows:**

a. The reduced fire-flow shall be not less than 1,500 gallons per minute.

(137) **Section L101; add to read as follows:**

Firefighter air replenishment systems (FARS) shall be provided for in accordance with Appendix L. Installation, determination, and requirements shall be set forth at the discretion of the Fire Chief.

**SECTION 10.** That all ordinances or any parts thereof in conflict with the terms of this ordinance shall be and hereby are deemed repealed and of no force or effect; provided, however, that the ordinance or ordinances under which the cases currently filed and pending in the Municipal Court of the City of Hurst, Texas, shall be deemed repealed only when all such cases filed and pending under such ordinance or ordinances have been disposed of by a final conviction or a finding not guilty or nolo contendere, or dismissal.

**SECTION 11.** Any person violating any of the provisions of this ordinance shall be deemed guilty of a misdemeanor and upon conviction thereof shall be fined in a sum not to exceed Two thousand dollars (\$2,000.00) for health or safety violations and not to exceed Five Hundred Dollars (\$500.00) for all other violations and a separate offense shall be deemed committed upon each day during or on which a violation occurs or continues.

**SECTION 12.** If any section, article, paragraph, sentence, clause, phrase or word in this ordinance, or application thereto any person or circumstance is held invalid or unconstitutional by a Court of competent jurisdiction, such holding shall not affect the validity of the remaining portions of this ordinance; and the City Council hereby declares it would have passed such remaining portions of the ordinance despite such invalidity, which remaining portions shall remain in full force and effect.

**SECTION 13.** The fact that the present ordinances and regulations of the City of Hurst, Texas are inadequate to properly safeguard the health, safety, morals, peace and general welfare of the public creates an emergency which requires that this ordinance become effective from and after the date of its passage, and it is accordingly so ordained.

**SECTION 14.** This ordinance shall be in full force and effect after its passage and it is so ordained.

**AND IT IS SO ORDERED.**

PASSED on the first reading on the 8<sup>th</sup> day of November by a vote of 6 to 0.

APPROVED on the second reading on the \_\_\_\_ day of \_\_\_\_\_ 2016 by a vote of \_\_\_\_ to \_\_\_\_.

**ATTEST:**

**CITY OF HURST**

\_\_\_\_\_  
Rita Frick, City Secretary

\_\_\_\_\_  
Richard Ward, Mayor

**APPROVED AS TO FORM:**

\_\_\_\_\_  
City Attorney