

**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 Code Appeals Board and City Council.

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

## **ARTICLE II. BUILDING CODE\***

### **DIVISION 1. GENERALLY**

**Sec. 5-26. International Building Code-Adopted.** The International Building Code, 2009 Edition and appendixes chapters 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:

**\*\*\*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."

**\*\*\*Section 101.4; change to read as follows:**

**101.4 Referenced codes.** The other codes listed in Sections 101.4.1 through 101.4.6 and referenced elsewhere in this code, when specifically adopted, shall be considered part of the requirements of this code to the prescribed extent of each such reference. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the amendments as well. Any reference to NFPA 70 or the Electrical Code shall mean the Electrical Code as adopted.

**Section 101.4.7; add the following:**

**101.4.7 Electrical.** The provisions of the Electrical Code shall apply to the installation of

electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings and appurtenances thereto.

***\*\*\* Section 103 and 103.1 amend to insert the Department Name***

## **SECTION 103**

### **BUILDING INSPECTIONS DEPARTMENT**

**103.1 Creation of a code enforcement agency.** The 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.

**\*\*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 unless exempted by State law.

**\*\*Section 105.2 Amend as follows:**

**105.2 Work exempt from permit.** Item 2. Delete; and Item 4. Change “Retaining walls which are not over 4 feet (1219 mm)...” to read “Retaining wall not over 1 foot (305 mm) in height...”; Item 6. Delete.

**\*\*Section 105.3 , add #8.**

**105.3 Application for permit.** Add “8. Have project approved as needed by the City Engineer, Development and Fire Department prior to submitting a permit application to the Building Inspection Department for review.”

***\*\*\*Section 109.7; add Section 109.7 to read as follows:***

**109.7 Re-inspection Fee.** A fee as established by Section 5-12 may be charged when:

- The inspection called for is not ready when the inspector arrives;
- No building address or permit card is clearly posted;
- City approved plans are not on the job site available to the inspector;
- The building is locked or work otherwise not available for inspection when called;
- The job site is red-tagged twice for the same item;
- The original red tag has been removed from the job site.
- 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.

**\*\*\*Sections 109.8 and 109.9; add Section 109.8, 109.8.1, 109.8.2 and 109.9 to read as follows:**

**109.8 Investigation Fee. 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.**

**109.9.1** 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.

**\*\* 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 a violation of the provisions of this code or other ordinances of the jurisdiction.

**\*\*\*Section 202; add new definitions to read as follows:**

**[B] Ambulatory Health Care Facility {add to existing definition – matches Fire Advisory Board definition}**

This group may include but not be limited to the following:

- Dialysis centers
- Sedation dentistry
- Surgery centers
- Colonic centers
- Psychiatric centers

**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 with an occupied floor located more than 55 feet (16 764 mm) above the lowest level of fire department vehicle access.

**\*\*\*Section 304.1; add the following to the list of occupancies:**

Fire stations  
Police stations with detention facilities for 5 or less

**\*\*\*Section 307.1; add the following to Exception 4:**

4. Cleaning establishments... {language unchanged}. See also IFC chapter 12, Dry Cleaning Plant provisions.

**\*\*Section 310.1; amend second paragraph under R-3 as follows:**

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

**\*\*\*Section 403.1, exception #3; change to read as follows:**

Open air portions of buildings with a Group A-5 occupancy in accordance with Section 303.1.

**\*\*Section 403.3, exception #2; delete the exception.**

**\*\*\*Section 404.1.1; change definition of “Atrium” as follows:**

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

**\*\*\*Section 404.5; delete exception.**

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**\*\*Section 406.1.2; add item #3 to read as follows:**

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

**\*\*\*Section 406.6.1; add a second paragraph to read as follows:**

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

***\*\*Section 506.2.2; add a sentence to read as follows:***

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.)

***\*\*\*Section 508.2.5, add a sentence at the end of paragraph:***

**508.2.5 Separation of Incidental accessory occupancies.** (Sentence remains unchanged.) An incidental accessory occupancy shall be classified in accordance with the occupancy of that portion of the building in which it is located.

***\*\*\*Section 708.2, Exception 7; amend subsection 7.3 and delete subsections 7.4 and 7.5 and renumber as follows:***

7.1. Does not connect more than two stories.

7.2. Is not part of the required means of egress system except as permitted in Section 1022.1.

7.3. Is not concealed within the building construction of a wall or a floor/ceiling assemble.

7.4 Is separated from floor openings and air transfer openings serving other floors by construction conforming to required shaft enclosures.

7.5 Is limited to the same smoke compartment.

**\*\*Section 903.1.1; amend to read as follows:**

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

**\*\*\*Section 903.2; add the following to the end of the paragraph:**

**903.2 Where required.** {Language unchanged} Automatic Sprinklers shall not be installed in elevator machine rooms, elevator machine spaces, and elevator hoistways. 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.”

***\*\*\*Section 903.2; delete exception.***

**\*\*Add Section 903.2.9.3 to read as follows:**

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

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

**\*\*Section 903.2.11; amend 903.2.11.3 and add 903.2.11.7, 903.2.11.8, and 903.2.11.9 as follows:**

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

**Exception:**

Open parking structures in compliance with Section 406.3.

**903.2.11.7 High-Piled Combustible Storage.** For any building with a clear height exceeding 12 feet (4572 mm), see Chapter 23 to determine if those provisions apply.

**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.

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

**Exception:** Open parking garages in compliance with Section 406.3 of the *International Building Code*.

**\*\*\*Section 903.3.1.1.1; change to read as follows:**

**903.3.1.1.1 Exempt locations.** When approved by the *fire code official*, automatic Sprinklers shall not be required in the following rooms or areas where such . . . *{language 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.

**\*\*\*Section 903.3.1.3; add the following:**

**[F] 903.3.1.3 NFPA 13D sprinkler systems.** Where allowed, *automatic sprinkler systems* installed in one- and two-family *dwelling*s and *townhouses* shall be installed throughout in accordance with NFPA 13D or in accordance with state law.

**\*\*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 fire protection system shall be designed with a 10 psi safety factor.

**\*\*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.

**\*\*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/strobe notification appliance with a minimum 75 candela strobe rating, installed as close as practicable to the fire department connection.

**\*\*Section 905.2; change to read as follows:**

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

**\*\*Add Section 905.3.8 and exception to read as follows:**

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

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

**\*\*Section 905.4, item #5; change to read as follows:**

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 either . . . {remainder of language unchanged}.

**\*\*\*905.4; add the following item #7:**

7. Class I standpipes shall also be required in all occupancies in which the distance from accessible points for Fire Department ingress to any point in the structure exceeds two hundred fifty feet (250') along the route that a fire hose is laid as measured from the fire lane. 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.

**\*\*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.

**\*\*Add Section 907.1.4 to read as follows:**

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

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

**\*\*Section 907.2.1; change to read as follows:**

**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. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy. 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;
2. Stop any conflicting or confusing sounds and visual distractions.

**\*\*Section 907.2.3; change to read as follows:**

**907.2.3 Group E.** A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 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. A manual fire alarm system is not required in Group E educational and day care occupancies with an occupant load of less than 50 when provided with an approved automatic sprinkler system.
  - 1.1. Residential In-Home day care with not more than 12 children may use interconnected single station detectors in all habitable rooms. (For care of more than five children 2 1/2 or less years of age, see Section 907.2.6.)

*{Remainder of exceptions unchanged}*

**\*\*Section 907.2.13; change to read as follows:**

**907.2.13 High-rise buildings.** Buildings with a floor used for human occupancy located more than 55 feet (16 764 mm) above the lowest level of fire department vehicle access shall be provided with an automatic smoke detection system in accordance with Section 907.2.13.1, a fire department communication system in accordance with Section 907.2.13.2 and an emergency voice/alarm communication system in accordance with Section 907.6.2.2.

**\*\*Section 907.2.13, exception #3; change to read as follows:**

3. Buildings with an occupancy in Group A-5 in accordance with Section 303.1 when used for open air seating; however, this exception does not apply to accessory uses including but not limited to sky boxes, restaurants and similarly enclosed areas.

**\*\*\*Section [F] 907.4.2.6; add new Section 907.4.2.6; to read as follows:**

**[F] 907.4.2.6 Type.** Manual alarm initiating devices shall be an approved double action type.

**\*\*\*Section [F] 907.6.1.1; add Section [F] 907.6.1.1 to read as follows:**

**[F] 907.6.1.1 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 initiating circuit conductors shall

be Class “A” wired with a minimum of six feet separation between supply and return circuit conductors. IDC – Class “A” Style D; SLC - Class “A” Style 6; NAC - Class “B” Style Y. The IDC from an addressable device used to monitor the status of a suppression system may be wired Class B, Style B provided the distance from the addressable device is within 10-feet of the suppression system device.

**\*\*\*Section [F] 907.6.5.2; add new Section 907.6.5.2 to read as follows:**

**[F] 907.6.5.2 Communication Requirements.** All alarm systems, new or replacement, shall transmit alarm, supervisory and trouble signals descriptively to the approved central station, remote supervisory station or proprietary supervising station as defined in NFPA 72, with the correct device designation and location of addressable device identification. Alarms shall not be permitted to be transmitted as a General Alarm or Zone condition.

**\*\*Section 910.1; amend exception 2 to read as follows:**

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

**\*\*\*Section 910.2; add subsections 910.2.3 with exceptions and 910.2.4 to read as follows:**

**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.

**Exceptions:**

1. 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.

**910.2.4 Exit access travel distance increase.** Buildings and portions thereof used as a Group F-1 or S-1 occupancy where the maximum exit access travel distance is increased in accordance with Section 1016.3.

**\*\*\*Table 910.3; change the title of the first row of the table to read as follows:**

**[F] TABLE 910.3  
REQUIREMENTS FOR DRAFT CURTAINS AND SMOKE AND HEAT VENTS<sup>a</sup>**

OCCUPANCY GROUP AND COMMODITY CLASSIFICATION	DESIGNATED STORAGE HEIGHT (feet)	MINIMUM DRAFT CURTAIN DEPTH (feet)	MAXIMUM AREA FORMED BY DRAFT CURTAINS (square feet)	VENT-AREATO-FLOOR-AREA RATIO <sup>c</sup>	MAXIMUM SPACING OF VENT CENTERS (feet)	MAXIMUM DISTANCE TO VENTS FROM WALL OR DRAFT CURTAINS <sup>b</sup> (feet)
Group F-1, H and S- <u>1</u>	—	0.2 × Hd but ≥ 4	50,000	1:100	<u>120</u>	<u>60</u>
<i>{Balance of table remains unchanged}</i>						

**\*\*Section 910.3.2.2; add second paragraph to read as follows:**

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.

**\*\*\*Section [F] 912.2; add Section [F] 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.

**\*\*Section 913.1; 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 fire code official. Access keys shall be provided in the key box as required by IFC Section 506.1.

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**\*\*Section 1004.1.1; delete exception:**

1004.1.1 Areas without fixed seating. The number of occupants shall be computed at the rate of one occupant per unit of area as prescribed in Table 1004.1.1. For areas without fixed seating, the occupant load shall not be less than that number determined by dividing the floor area under consideration by the occupant per unit of area factor assigned to the occupancy as set forth in Table 1004.1.1. Where an intended use is not listed in Table 1004.1.1, the building official shall establish a use based on a listed use that most nearly resembles the intended use.

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**\*\*\*Section 1007.1; add the following exception #4:**

**Exceptions:**

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

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**\*\*\*Section 1008.1.9.3; Locks and Latches; add section as follows:**

**1008.1.9.3, Locks and latches.**

(3.1) Where egress doors are used in pairs and positive latching is required, approved automatic flush bolts shall be permitted to be used, provided that both leaves achieve positive latching regardless of the closing sequence and the door leaf having the automatic flush bolts has no doorknobs or surface mounted hardware.

**\*\*\*Section 1008.1.9.4; amend exceptions #3 and #4 as follows:**

**Exceptions: {Text of Exceptions 1 and 2 unchanged}**

3. Where a pair of doors serves an *occupant load* of less than 50 persons in a Group B, F, M or S occupancy, *[remaining text unchanged]*
  4. Where a pair of doors serves a Group B, F, M or S occupancy, *[remaining text unchanged]*
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**\*\*\*Section 1008.1.9.8; change to read as follows:**

**1008.1.9.8. Electromagnetically locked egress doors.** Doors in the *means of egress* that are not otherwise required to have panic hardware in buildings with an occupancy in Group A, B, E, I-1, I-2, M, R-1 or R-2 and doors to tenant spaces in Group A, B, E, I-1, I-2, M, R-1 or R-2 shall be permitted to be electromagnetically locked if equipped with *listed* hardware that incorporates a built-in switch and meet the requirements below: *[remaining text unchanged]*

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**\*\*\*Section 1015.7; add new section 1015.7 to read as follows:**

**1015.7 Electrical Rooms.** For electrical rooms, special exiting requirements may apply. Reference the electrical code as adopted.

**\*\*\*Section 1016.3; add new section 1016.3 to read as follows:**

**1016.3. Roof Vent Increase.** In buildings that are one story in height, equipped with automatic heat and smoke roof vents complying with Section 910 and equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1, the maximum exit access travel distance shall be 400 feet for occupancies in Group F-1 or S-1.

**\*\*\*Section 1018.1; add exception #5 to read as follows:**

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

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**\*\*\*Section 1018.6; amend to read as follows:**

**1018.6, Corridor Continuity.** All corridors shall be continuous from the point of entry to an *exit*, and shall not be interrupted by intervening rooms.

{Exception unchanged}

**\*\*\*Section 1022.1; add exceptions #8 and #9 to read as follows:**

8. In other than occupancy Groups H and I, a maximum of 50 percent of egress stairways serving one adjacent floor are not required to be enclosed, provided at least two means of egress are provided from both floors served by the unenclosed stairways. Any two such interconnected floors shall not be open to other floors.

9. In other than occupancy Groups H and I, interior egress stairways serving only the first and second stories of a building equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 are not required to be enclosed, provided at least two means of egress are provided from both floors served by the unenclosed stairways. Such interconnected stories shall not be open to other stories.

**Option B**

**\*\*\*Section 1022.9; amend section to read as follows:**

**1022.9. Smokeproof enclosures and pressurized stairways.** In buildings required to comply

with Section 403 or 405, each of the exit enclosures serving a story with a floor service not more than 55 feet (16 764 mm) above the lowest level of fire department vehicle access or more than 30 feet (9 144 mm) below... {remaining language unchanged}

**Option B**

**\*\*\*Section 1024.1; change to read as follows:**

**1024.1; General.** *Approved* luminous egress path markings delineating the exit path shall be provided in buildings of Groups A, B, E, I, M and R-1 having occupied floors located more than 55 feet (16 764 mm) above the lowest level of fire department vehicle access in accordance with... {Remaining language unchanged}

**\*\*\*Section 1026.6; amend exception #4 to read as follows:**

**Exceptions:** {Exceptions 1 – 3 unchanged}

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

**\*\*\*Section 1101.2; add an exception to read as follows:**

**Exception:** 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 this Chapter.

**\*\*Table 1505.1; replace footnotes b and c with the following:**

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

**\*\*Section 1505.7; delete the section.**

**\*\*Section 1510.1; add a sentence to read as follows:**

All individual replacement shingles or shakes shall be in compliance with the rating required by Table 1505.1.

**\*\*Section 2308.4.3; add Section 2308.4.3 to read as follows:**

**2308.4.3 Application to engineered design.** When accepted by the Building Official, any portion of this section is permitted to apply to buildings that are otherwise outside the limitations of this section provided that:

1. The resulting design will comply with the requirements specified in Chapter 16;
2. The load limitations of various elements of this section are not exceeded; and
3. The portions of this section which will apply are identified by an engineer in the construction documents.

**\*\*Section [P]2901.1; add a sentence to read as follows:**

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.

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**\*\*Section 2902.1; change to read as follows and add sub sections:**

**[P]2902.1 Minimum number of fixtures.** Plumbing fixtures shall be provided for the type of occupancy and in the minimum number as follows:

1. Assembly Occupancies: At least one drinking fountain shall be provided at each floor level in an *approved* location.  
**Exception:** A drinking fountain need not be provided in a drinking or dining establishment.
2. Groups A, B, F, H, I, M and S Occupancies: Buildings or portions thereof where persons are employed shall be provided with at least one water closet for each sex except as provided for in Section 2902.2.
3. Group E Occupancies: Shall be provided with fixtures as shown in Table 2902.1.
4. Group R Occupancies: Shall be provided with fixtures as shown in Table 2902.1.

It is recommended, but not required, that the minimum number of fixtures provided also comply with the number shown in Table 2902.1. Types of occupancies not shown in Table 2902.1 shall be considered individually by the building code official. The number of occupants shall be determined by this code. Occupancy classification shall be determined in accordance with Chapter 3.

**\*\*\*Section [P]2902.2; change Exception 3 as follows:**

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3. Separate facilities shall not be required in mercantile occupancies in which the maximum occupant load is 100 or less.

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**\*\*\*Section 3006.1; add Section 3006.1 to read as follows and renumber remaining sections:**

**3006.1, General.** Elevator machine rooms shall be provided.”  
{Renumber remaining sections.}

**\*\*\*Section [F] 3006.4 {[F] 3006.5 if previous amendment adopted}; add a sentence to read as follows and delete exceptions #1 and #2.:**

**[F] 3006.4. Machine Rooms:** {language unchanged}... Storage shall not be allowed within the elevator machine room. Provide approved signage at each entry door to the elevator machine room stating “*Elevator Machinery – No Storage Allowed.*”

**\*\*\*Section 3109.1; change to read as follows:**

**3109.1 General.** Swimming pools shall comply with the requirements of this section and other applicable sections of this code as well as also complying with applicable state laws.

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**Sec. 5-28 and Sec. 5-29 Unchanged.**

**Sec. 5-30 thru 5-45 Reserved.**

## **DIVISION II. RESIDENTIAL CODE**

**Sec 5-46. International Residential Code – Adopted.** The International Residential Code, 2009 Edition and Appendix Chapters G, H and M, 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. 5-28, 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 residential code adopted in this article is hereby amended and changed in the following respects :

**\*\*\*Section R101.1; Insert jurisdiction name as follows:**

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

**\*\*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. 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 ICC *Electrical Code* shall mean the Electrical Code as adopted.

Where differences occur between provisions of this code and referenced codes and standards, the provisions of this code shall apply.

**Exception:** Where enforcement . . . *{remainder of exception unchanged}* . . .

**\*\*Section R105.2, items #1, 2,3 & 5; 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
5. Delete... *{remainder unchanged}*...

**\*\*\*Section 108.7; add Section 108.7 to read as follows:**

**108.7 Re-inspection Fee.** A fee as established in Section 5-12 may be charged when:

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

**\*\*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, the building official may require submission . . . *{remainder of section unchanged}*.

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

**\*\*Section R112.2.1 & R112.2.2 delete.**

**(5)\*\*\* Section R202; the definition of “Building Official”, “Plumbing”, “Plumbing Systems” and “Townhouse” are changed and new definitions are added to read as follows:**

BUILDING CODE. Building Code shall mean the International Building Code as adopted by this jurisdiction.

BUILDING OFFICIAL. Wherever the term “Building Official” is used in this code, it shall mean the city Building Official, Deputy Building Official, Building Inspector, or Code Enforcement Officer.

ELECTRICAL CODE. Electrical Code shall mean the National Electrical Code as adopted by this jurisdiction. For the purpose of this code, all references to NFPA 70 and the ICC Electrical Code shall be assumed to mean the Electrical Code as defined herein.

ENERGY CODE. Energy Code shall mean the International Energy Code as adopted by this jurisdiction.

FIRE PREVENTION CODE (FIRE CODE). Fire Prevention Code, or Fire Code, shall mean the International Fire Code as adopted by this jurisdiction.

FUEL GAS CODE. Fuel Gas Code shall mean the International Fuel Gas Code as adopted by this jurisdiction and shall be part of the Plumbing Code. (See Plumbing Code)

PLUMBING CODE. Plumbing Code shall mean the International Plumbing Code and the International Fuel Gas Code as adopted by this jurisdiction. The term “Plumbing Code” applies to both codes as one combined code.

PLUMBING SYSTEM. For the purpose of using this code, as adopted, shall mean:

Includes the water supply and distribution pipes, plumbing fixtures and traps, supports and appurtenances, water-treating or water-using equipment, soil, waste and vent pipes, sanitary drains, storm sewers and building sewers to an approved point of disposal, in addition to their respective connections, devices and appurtenances within a structure or premise.

For the purpose of complying with the Texas State Plumbing License Law, shall mean: All piping, fixtures, appurtenances, and appliances, including disposal systems, drain or waste pipes, or any combination of these that: supply, recalculate, drain, or eliminate water,

gas, liquids, and sewage for all personal or domestic purposes in and about buildings where persons live, work, or assemble, connect the building on its outside with the source of water, gas, or other liquid supply, or combinations of these, on the premises, or the water main on public property, and carry waste or sewage from or within a building to the sewer service lateral on public property to the disposal or septic terminal that holds private or domestic sewage.

**PROPERTY MAINTENANCE CODE.** Property Maintenance Code shall mean the International Property Maintenance Code as adopted by this jurisdiction.

**RESIDENTIAL CODE.** Residential Code shall mean the International Residential Code as adopted by this jurisdiction.

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

Wherever the term “corporation counsel” is used in this code, it shall be held to mean the Attorney for the city.

Wherever the word “municipality” is used in this code, it shall be held to mean this city.

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

GROUND SNOW LOAD	WIND DESIGN		SEISMIC DESIGN CATEGORY <sup>f</sup>
	SPEED <sup>d</sup> (mph)	Topographic Effects <sup>k</sup>	
<u>5 lb/ft<sup>2</sup></u>	<u>90 (3-sec-gust)/76 fastest mile</u>	<u>No</u>	<u>A</u>

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

WINTER DESIGN TEMP <sup>e</sup>	ICE BARRIER UNDER-LAYMENT REQUIRED <sup>h</sup>	FLOOD HAZARDS <sup>g</sup>	AIR FREEZING INDEX <sup>i</sup>	MEAN ANNUAL TEMP <sup>j</sup>
<u>22°F</u>	<u>No</u>	<u>local code</u>	<u>69°F</u>	<u>64.9°F</u>

{No change to footnotes}

**\*\*Section R302.1; add exception #6 to read as follows:**

**Exceptions:** {previous exceptions unchanged}

6. Open metal carport structures may be constructed when also approved within adopted

ordinances.

**\*\*\*Section R302.2, Exception; change to read as follows:**

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

**\*\*\*Section R302.2.4, Exception 5; change to read as follows:**

**Exception:**

5. Townhouses separated by a common two-hour fire-resistance-rated wall, or one-hour fire resistant rated wall when equipped with an automatic sprinkler system, *{remainder unchanged}*

**\*\*\*Section R302.3; add Exception #3 to read as follows:**

**Exceptions:**

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

**\*\*\*Section 302.5.2; change to read as follows:**

**R302.5.2 Duct penetration.** Ducts in the garage ... *{language unchanged}* ... and shall have no openings into the garage and shall be protected as required by Section 302.11, Item 4.

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**\*\*\*Section R302.5.3; amend the section as follows:**

**R309.5.3 Other penetrations.** Penetrations through the separation required in Section R302.6 shall be protected as required by Section R302.11, Item 4.

**\*\*Section R302.7; change to read as follows:**

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

**\*\*Section R303.3, exception; change to read as follows:**

**Exception:** The glazed areas shall not be required where artificial light and a mechanical ventilation system, complying with one of the following, are provided.

1. The minimum ventilation rates shall be 50 cfm (23.6 L/s) for intermittent ventilation or 20 cfm (9.4 L/s) for continuous ventilation. Ventilation air from the space shall be exhausted directly to the outside.

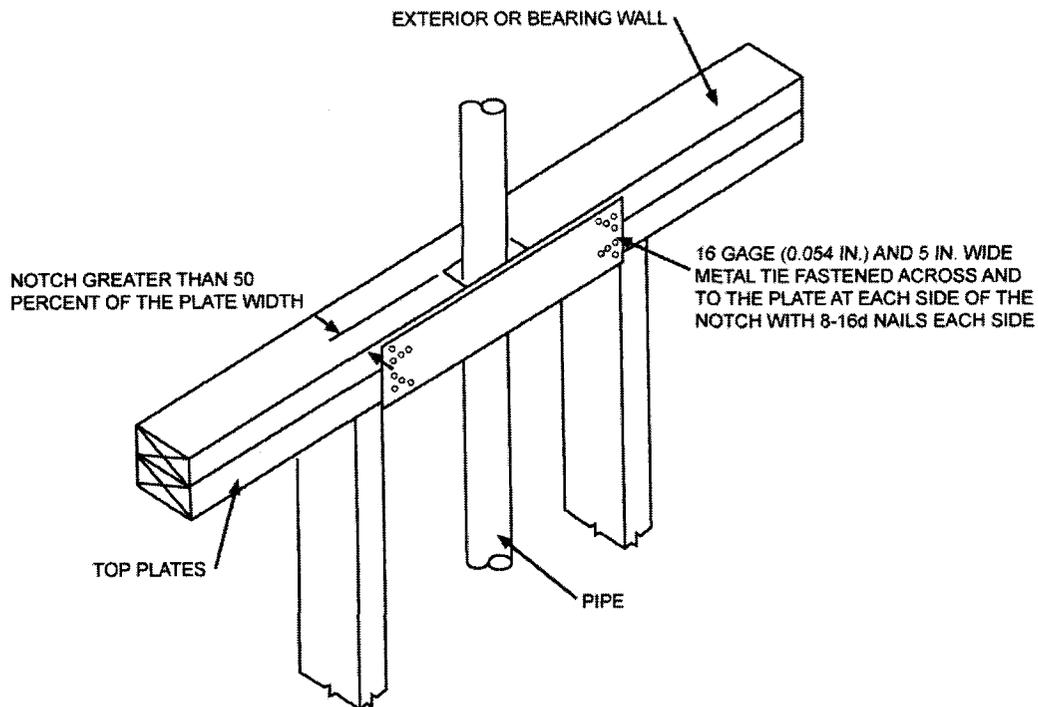
2. Bathrooms that contain only a water closet, lavatory or combination thereof may be ventilated with an approved mechanical recirculating fan or similar device designed to remove odors from the air.

**\*\*\*Section 602.6.1; amend the following:**

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

**\*\*\*Figure R602.6.1; delete the figure and insert the following figure:**

WALL CONSTRUCTION



For SI: 1 inch = 25.4 mm

FIGURE R602.6.1  
TOP PLATE FRAMING TO ACCOMMODATE PIPING

**\*\*Section R703.7.4.1; add a second paragraph to read as follows:**

In stud framed exterior walls, all ties shall be anchored to studs as follows:

1. When studs are 16 in (407 mm) o.c., stud ties shall be spaced no further apart than 24 in (737 mm) vertically starting approximately 12 in (381 mm) from the foundation; or
2. When studs are 24 in (610 mm) o.c., stud ties shall be spaced no further apart than 16 in (483 mm) vertically starting approximately 8 in (254 mm) from the foundation.

**\*\*\*Section R902.1; Amend and add exception #3 to read as follows:**

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

**Exceptions:**

1. {unchanged}
2. {unchanged}
3. 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 120 square feet.

**\*\*Section R907.1; add a sentence to read as follows:**

All individual replacement shingles or shakes shall comply with Section R902.1.

**\*\*\*Section N1101.2; add Section N1101.2.2 to read as follows:**

**N1101.2.2 Compliance software tools.** Software tools used to demonstrate energy code compliance utilizing the UA alternative approach shall be approved by the building official. The PNL program **REScheck™** is not acceptable for residential compliance.

**Exception:** When **REScheck™** “UA Trade-off” compliance approach or the UA Alternate compliance approach method is used, the compliance certificate must demonstrate that the maximum glazed area does not exceed 15% of the conditioned floor area.

**\*\*\*Section N1102.1; change to read as follows:**

**N1102.1 Insulation and fenestration criteria.** The building thermal envelope shall meet the requirements of Table N1102.1 based on the climate zone specified in Table N1101.2. The use of Tables N1102.1 and N1102.1.2 are limited to a maximum glazing area of 15% window area to floor area ratio.

**\*\*Section N1102.2.12; add Section N1102.2.12 to read as follows:**

**N1102.2.12. Insulation installed in walls.** Insulation batts installed in walls shall be totally surrounded by an enclosure on all sides consisting of framing lumber, gypsum, sheathing, wood structural panel sheathing or other equivalent material approved by the *building official*.

**\*\*\*Section M1305.1.3; change to read as follows:**

**M1305.1.3 Appliances in attics.** *Attics* containing *appliances* requiring access shall be provided . . . {*bulk of paragraph unchanged*} . . . sides of the *appliance* where access is required. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm by 762 mm), or larger and large enough to allow removal of the largest *appliance*. As a minimum, 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 items 1, 2, and 3 with prior approval of the *building official* due to building conditions.

**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... {*remainder unchanged*}

**\*\*\*Section M1305.1.3.1; add text to read as follows:**

**M1305.1.3.1 Electrical requirements.** A luminaire controlled by a switch located at the required passage-way opening and a receptacle outlet shall be installed at or near the appliance location in accordance with Chapter 39. Low voltage wiring of 50 Volts or less shall be installed in a manner to prevent physical damage.

**\*\*Section M1305.1.4.1; change to read as follows:**

**M1305.1.4.1 Ground clearance.** *Equipment* and *appliances* supported from the ground shall be level and firmly supported on a concrete slab or other *approved* material extending above the adjoining ground a minimum of 3 inches (76 mm). *Appliances* suspended from the floor shall have a clearance of not less than 6 inches (152 mm) above the ground.

**\*\*Section M1305.1.4.3; add text to read as follows:**

**M1305.1.4.3 Electrical requirements.** A luminaire controlled by a switch located at the required passage-way opening and a receptacle outlet shall be installed at or near the *appliance* location in accordance with Chapter 39. Low voltage wiring of 50 Volts or less shall be installed

in a manner to prevent physical damage.

**\*\*Section M1307.3.1; delete.**

**\*\*\*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. *{remainder unchanged}*

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**\*\*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*.

**\*\*\*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*.

**\*\*\*Section M1501; add new Section M1501.2 to read as follows:**

**M1501.2 Material and size.** Exhaust ducts shall have a smooth interior finish and shall be constructed of metal a minimum 0.016-inch (0.4mm) thick. The exhaust duct size shall be 4 inches (102 mm) nominal in diameter. Duct size shall not be reduced along its developed length or at termination.

**\*\*\*Section M1501; add new Section M1501.3 to read as follows:**

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

**\*\*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.

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

**\*\*Section G2412.5 (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"

**\*\*Section G2413.3 (402.4.3); add an exception to read as follows:**

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

**\*\*Section G2415.9.1 (404.9.1); delete.**

**\*\*Section G2415.10 (404.10); change to read as follows:**

**G2415.10 (404.10) Minimum burial depth.** Underground *piping systems* shall be installed a minimum depth of 18 inches (457 mm) below grade, except as provided for in Section G2415.10.1.

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

**G2417.1 (406.1) General.** Prior to acceptance and initial operation, all *pipng* installations shall be inspected and *pressure tested* to determine that the materials, design, fabrication, and installation practices comply with the requirements of this *code*. The *permit* holder shall make the applicable tests prescribed in Sections 2417.1.1 through 2417.1.5 to determine compliance with the provisions of this *code*. The *permit* holder shall give reasonable advance notice to the *building official* when the *pipng system* is ready for testing. The *equipment*, material, power and labor necessary for the inspections and test shall be furnished by the *permit* holder and the *permit* holder shall be responsible for determining that the work will withstand the test pressure prescribed in the following tests.

**\*\*Section G2417.4; change to read as follows:**

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

**\*\*Section G2417.4.1; change to read as follows:**

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

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

**\*\*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 *pipng*, and for *pipng* carrying gas at pressures in excess of fourteen (14) inches water column pressure (3.48 kPa), the test duration shall be held for a length of time satisfactory to the *Building Official*, but in no case for less than thirty (30) minutes.

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

**\*\*\*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.

**\*\*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.

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

**G2422.1.2.3 (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.

**\*\*Section G2439.5 (614.6); change text to read as follows:**

**G2439.5 (614.6) Domestic clothes dryer exhaust ducts.** Exhaust ducts for domestic *clothes dryers* shall conform to the requirements of Sections G2439.5.1 through G2439.5.7. The size of duct shall not be reduced along its developed length nor at the point of termination.

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

**G2445.2 (621.2) Prohibited use.** One or more *unvented room heaters* shall not be used as the sole source of comfort heating in a *dwelling unit*.

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

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**\*\*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*.

**\*\*Section P2503.6; change to read as follows:**

**P2503.6 Shower liner test.** Where shower floors and receptors are made water tight by the application of materials required by Section P2709.2, the completed liner installation shall be tested. The pipe from the shower drain shall be plugged water tight for the test. Water shall be held in the section under test for a period of 15 minutes. The system shall prove leak free by visual inspection.

**\*\*Section P2709.2; add Exception to read as follows:**

**Exception:** Showers designed to comply with ICC/ANSI A117.1.

**\*\*Section P2717.2; change text to read as follows:**

**P2717.2 Sink and dishwasher.** A sink and dishwasher are permitted ... *{bulk of text unchanged}* ... wye fitting to the sink tailpiece. The waste line of a domestic dishwashing

machine discharging into a kitchen sink tailpiece shall connect to a deck mounted *air break*.

**\*\*Section P2717.3; change text to read as follows:**

**P2717.3 Sink, dishwasher and food grinder.** The combined discharge ... *{bulk of text unchanged}* ... head of the food grinder. The waste line of a domestic dishwashing machine discharging into a kitchen sink tailpiece or food waste grinder shall connect to a deck mounted *air break*.

**\*\*Section P2801.6; add Exception to read as follows:**

**Exceptions:**

1. Elevation of the ignition source is not required for water heaters that are listed as flammable vapor resistant and for installation without elevation.
2. Electric Water Heater.

**\*\*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.

**\*\*Section P3005.2.6; change to read as follows:**

**P3005.2.6 ~~Base of stacks~~ Upper Terminal.** Each horizontal drain shall be provided with a cleanout at its upper terminal.

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

**\*\*Section P3111; delete.**

**\*\*Section P3112.2; delete and replace with the following:**

**P3112.2 Installation.** Traps for island sinks and similar equipment shall be roughed in

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

**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**

## **ARTICLE III. PLUMBING CODE**