

ORDINANCE NO. 2024-42

AN ORDINANCE AMENDING CHAPTERS 150 AND 153 OF THE HARKER HEIGHTS CODE OF ORDINANCES, ADOPTING AND AMENDING THE 2024 INTERNATIONAL TECHNICAL CODES FROM THE INTERNATIONAL CODE COUNCIL AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the City of Harker Heights (“*City*”) has previously adopted various standard codes, including the 2021 Technical Codes; and

WHEREAS, it is the desire of the City of Harker Heights to adopt, in all respects, the various codes relating to: building construction, electrical systems, fire prevention, gas systems, mechanical systems, plumbing systems and swimming pools; and

WHEREAS, said codes, being nationally promulgated, cannot anticipate or address all specific local needs and restrictions, whether resulting from unique legislative, geographic, or climatic conditions, thereby necessitating some alternation of, and amendment to the published text; and

WHEREAS, the adoption of these codes is done to facilitate proper inspection activities by the City of Harker Heights relating to construction and to maintenance of buildings, and to fire prevention within the corporate limits of the City, which is part of the policing power of the City essential to the protection of the public health, safety and general welfare; and

WHEREAS, the meeting at which this Ordinance was passed was open to the public, and notice of the time, place and purpose of said meeting was given as required by law, all in strict accordance with the requirements of the Texas Open Meetings Act;

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

SECTION 1: The Council officially finds and declares that the facts and recitations set forth in the preamble to this Ordinance are true and correct.

SECTION 2: §150.02 of the City of Harker Heights’ Code of Ordinances is hereby amended to read as shown in Exhibit “A”.

SECTION 3: §150.03 of the Code of Harker Heights is amended as follows: "In the event of a conflict between any of the adopted codes, as amended herein, or between said codes and the Code of Harker Heights, the more restrictive shall govern."

SECTION 4: Chapter 150 of the City of Harker Heights Code of Ordinances is supplemented by the addition of §150.04, to read as follows:

§150.04 INSPECTION NOTICES.

The City of Harker Heights hereby adopts the following inspection notices for use on all construction projects: A rectangular adhesive sticker, either RED in color for NOT APPROVED or GREEN in color for APPROVED, to be placed conspicuously at the job site and visible from the

roadway. No other inspection authority whether public or private may use any sticker that by means of color or shape conflicts with or causes confusion regarding the City stickers.

SECTION 5: Chapter 153 of the City of Harker Heights Code of Ordinances is amended as follows:

§ 153.33 STANDARDS FOR AREAS OF SHALLOW FLOODING (AO/AH ZONES).

Located within the areas of special flood hazard established in § 153.07, are areas designated as shallow flooding. These areas have special flood hazards associated with flood depths of one to three feet where a clearly defined channel does not exist, where the path of flooding is unpredictable, and where velocity flow may be evident. Such flooding is characterized by ponding or sheet flow; therefore, the following provisions apply:

(A) All new construction and substantial improvements of residential structures have the lowest floor (including basement) elevated two feet or more above the base flood elevation or the highest adjacent grade at least as high as the depth number specified in feet on the community's FIRM (at least two feet if no depth number is specified).

(B) All new construction and substantial improvements of non-residential structures:

(1) Shall have the lowest floor (including basement) elevated two feet or more above the base flood elevation or the highest adjacent grade at least as high as the depth number specified in feet on the community's FIRM (at least two feet if no depth number is specified); or

(2) Together with attendant utility and sanitary facilities shall be designed so that below the base specified flood depth in an AO Zone, or below the Base Flood Elevation in an All Zone, the structure is watertight with walls substantially impermeable to the passage of water and with structural components having the capability of resisting hydrostatic and hydrodynamic loads of effects of buoyancy.

(C) A registered professional engineer or architect shall submit a certification to the Floodplain Administrator that the standards of this section, as proposed in § 153.21 are satisfied.

(D) Within Zones AH or AO there shall be adequate drainage paths around structures on slopes to guide flood waters around and away from proposed structures.

SECTION 6: All of the regulations provided in this Ordinance are hereby declared to be governmental and for the health, safety and welfare of the general public. Any member of the City Council or any city official or employee charged with the enforcement of this Ordinance, acting for the City in the discharge of official duties, shall not thereby become personally liable, and is hereby relieved from all personal liability for any damage that might accrue to persons or property as a result of any act required or permitted in the discharge of said duties.

SECTION 7: The change in the law made by this Ordinance applies only to an offense committed on or after the effective date of this Ordinance. For purposes of this section, an offense is committed on or after the effective date of this Ordinance if every element of the offense occurs on or after that date.


SECTION 8: An offense committed before the effective date of this Ordinance is covered by the law in effect when the offense was committed, and the former law is continued in effect for that purpose.

SECTION 4: This Ordinance shall be effective from and after January 1, 2025, and the City Clerk shall publish the caption or title of hereof within ten days of approval as required by law.


PASSED AND APPROVED this 19th day of November, 2024, by a vote of 5 ayes and 0 nays at a regular meeting of the City Council of the City of Harker Heights, Texas.

CITY OF HARKER HEIGHTS, TEXAS:




Michael D. Blomquist, Mayor

ATTEST:


Julie Helsham, City Secretary

§ 150.02 ADOPTION OF VARIOUS STANDARD CODES

The following codes are hereby adopted by reference as though they were fully copied herein, with deletions, alterations and additions as indicated:

(A) The International Building Code, 2024 Edition, as promulgated by the International Code Council, Inc., and all subsequently published annual revisions, except for the following, which shall amend and change said code only to the extent referenced:

(1) In Section 101.1 "Title." Insert: "The City of Harker Heights."

(2) Section 105.1 "Required." Amend to read: "Any owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure; or to erect, install, enlarge, alter, repair, remove, convert, or replace any electrical, gas, mechanical, or plumbing systems; the installation of which is regulated by this code, or to install accessory structures, or to cause any such work to be done, shall first make application to the Building Official for a permit, shall comply with applicable state and local rules and regulations concerning licensing and registration, and obtain the required permit."

(3) Section 105.2 "Work Exempt From Permit."

(a) Delete Items 1, 2, 3 and 6.

(b) Change Item 4 to read "2 feet."

(4) Section 107.1 General. Add after last sentence "For all nonresidential new construction and remodel projects, the construction documents shall be prepared by a design professional registered with the State of Texas."

(5) Section 109.4 "Work Commencing Before Permit Issuance." Revise to read: "Any person who commences any work on a building, structure, electrical, gas, mechanical, or plumbing system before obtaining the necessary permits shall be subject to a penalty of the greater of \$250 or 100% of the permit fee in addition to the required permit fees."

(6) Section 109.6 "Refunds" Remove and insert: "The code official shall authorize the refunding of fees as follows:

1. The full amount of any fee paid hereunder that was erroneously paid or collected.

2. Not more than 50 percent of the permit fee paid where work has been done under a permit issued in accordance with this code.

3. Not more than 50 percent of the plan review fee paid where an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended."

(7) Section 110.6.1 "Re-inspection." Add new section to read as follows: "Where any work or installation does not pass any inspection, the necessary corrections shall be made to achieve compliance with this code. The work or installation shall then be re-submitted to the code official for re-inspection. A fee shall be paid the city for each re-inspection."

(8) Section 113 "Means of Appeals." Revise to read: "Building Standards Commission", and replace in its entirety with the following:

(9) Section 113.1 "General." "The ZBA (Zoning Board of Adjustments) is designated to hear and decide appeals of orders, decisions or determinations made by the Building Official or Fire Code Official relative to the application and interpretation of the applicable code. The ZBA shall be appointed as codified by Chapter 155 of the Code of Harker Heights. The Board shall render all decisions and findings in writing to the appellant, with a duplicate copy to the code official."

(10) Section 113.2 "Limitations of Authority." Amend to read: "An application for appeal shall be based on a claim that the true intent of this code or the rules adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equivalent method of construction or protection is proposed. The Board shall have no authority to waive requirements of this code."

(11) Section 202 "Definitions." Add the following:

"ALL WEATHER DRIVING SURFACE - A driving surface that is capable of supporting the imposed loads of fire apparatus and consisting of material that is impervious to damage from wet conditions and does not produce dust during dry weather conditions. Accepted materials shall consist of concrete or asphalt correctly applied.

AS DEVELOPED - The change of use of a parcel of land from a vacant, unimproved tract to one which is prepared for occupancy by buildings or structures.

MOBILE FOOD VENDOR - A mobile food unit which is wheeled, or otherwise designed to be readily transported from place to place, whether towed or self-propelled, and which is not designed to be permanently connected to domestic water, sanitary systems, or electricity.

MOBILE HOME PARK - For purposes of enforcement of these code provisions, a mobile home park shall be considered as commercial property.

THE ROUTE THAT A FIRE HOSE WOULD BE LAID - The routing of fire hose from either a public or approved on-site fire hydrant to the fire apparatus along the length of the public roadway and/or approved private fire lanes.

TEMPORARY - Any length of time not to exceed ninety (90) days without conditional use approval."

TEMPORARY STRUCTURE. Any building or structure erected for a period of 90 days or less to support temporary events. Temporary structures include a range of structure types (public-occupancy temporary structures, temporary special event structures, tents, umbrellas and other membrane structures, relocatable buildings, temporary bleachers, etc.) for a range of purposes (storage, equipment protection, dining, workspace, assembly, etc.).

(12) Section 406.7.2 "Canopies." Amend the height requirement to 14 feet, 0 inches (4,267.2 mm).

(13) Section 502.1 "Address Identification." Amend to read: "New and existing buildings shall be provided with approved address numbers or letters. One- and two-family dwellings must be a

minimum of 4 inches (102 mm) high and a minimum of 0.5 inches (12.7 mm) wide; all other buildings must be 6 inches (152.4 mm) high and a minimum of 0.5 inches (12.7 mm) wide. They shall be installed on a contrasting background, be plainly visible from the street or road fronting the property. Where access is by means of a private road and the building address cannot be seen from the public way, a monument, pole or other approved sign or means shall be used to identify the structure. On all multi-family buildings above two-family dwellings shall be a placard mounted on the street side of the building, visible from the roadway, stating the person or company that manages the property and a 24-hour phone number. The placard minimum is 12 inches by 10 inches, with letters and numbers being 1 inch in height, and of contrasting colors to the placard and the structure."

(14) Section 707.5 "Continuity." Change last sentence to read: "Joints, voids and intersections shall comply with sections 706.5, 706.5.1, 706.5.2, 707.8 and 707.9."

(15) Section 903.1.2 "Special Construction Requirements." Add new section to read as follows: "Other provisions of this code notwithstanding, automatic sprinkler systems complying with Chapter 9 of this code shall be installed in all buildings in excess of two stories, or thirty-five (35) feet in height.

Exceptions: one and two family dwellings."

(16) Section 903.2.8 "Group R" Add exception: One and two-family dwellings.

(17) Add section 903.2.11.7 Buildings Over 12,000 sq. ft. An automatic sprinkler system shall be installed throughout all buildings, regardless of occupancy classification or use, with a building area 12,000 sq. ft. or greater and in all existing buildings that are enlarged to be 12,000 sq. ft. or greater. For the purpose of this provision, fire walls shall not define separate buildings.

Exception:

(1) Open parking garages in compliance with Section 406.5 of the International Building Code where all of the following conditions apply:

- a. The structure is freestanding.
- b. The structure does not contain any mixed uses, accessory uses, storage rooms, electrical rooms, elevators or spaces used or occupied for anything other than motor vehicle parking.
- c. The structure does not exceed 3 stories.
- d. An approved fire apparatus access road is provided around the entire structure

(2) One and two-family dwellings

(18) Section 1010.2.4 Locks and latches. Amend to read:

In all other occupancies, except where panic hardware is specifically required by another section of this code or the International Building Code, the only permissible locking device on exit doors will be panic hardware, lever type doorknobs, or thumb latch deadbolts.

Exceptions:

Locks and latches shall be permitted to prevent operation of doors where any of the following exist:

1.Places of detention or restraint.

2.In Group I-1, Condition 2 and Group I-2 occupancies where the clinical needs of persons receiving care require containment or where persons receiving care pose a security threat, provided that all clinical staff can readily unlock doors at all times, and all such locks are keyed to keys carried by all clinical staff at all times or all clinical staff have the codes or other means necessary to operate the locks at all times.

3. Where egress doors are used in pairs, approved automatic flush bolts shall be permitted to be used, provided that the door leaf having the automatic flush bolts does not have a doorknob or surface-mounted hardware.

4. Doors from individual dwelling or sleeping units of Group R occupancies having an occupant load of 10 or less are permitted to be equipped with a night latch, dead bolt or security chain, provided such devices are openable from the inside without the use of a key or tool.

5.Fire doors after the minimum elevated temperature has disabled the unlatching mechanism in accordance with listed fire door test procedures.

6. Doors serving roofs not intended to be occupied shall be permitted to be locked, preventing entry to the building from the roof.

7. Other than egress courts, where occupants must egress from an exterior space through the building for means of egress, exit access doors shall be permitted to be equipped with an approved locking device where installed and operated in accordance with all of the following:

7.1.The maximum occupant load shall be posted where required by Section 1004.9. Such sign shall be permanently affixed inside the building and shall be posted in a conspicuous space near all the exit access doorways.

7.2 .A weatherproof telephone or two-way communication system installed in accordance with Sections 1009.8.1 and 1009.8.2 shall be located adjacent to not less than one required exit access door on the exterior side.

7.3. The egress door locking device is readily distinguishable as locked and shall be a key-operated locking device.

7.4. A clear window or glazed door opening, not less than 5 square feet (0.46 m²) in area, shall be provided at each exit access door to determine if there are occupants using the outdoor area.

7.5. A readily visible durable sign shall be posted on the interior side on or adjacent to each locked required exit access door serving the exterior area stating: "THIS DOOR TO REMAIN UNLOCKED WHEN THE OUTDOOR AREA IS OCCUPIED." The letters on the sign shall be not less than 1 inch (25.4 mm) high on a contrasting background.

7.6.The occupant load of the occupied exterior area shall not exceed 300 occupants in accordance with Section 1004.

8. Locking devices are permitted on doors to balconies, decks or other exterior spaces serving individual dwelling or sleeping units.

9. Locking devices are permitted on doors to balconies, decks or other exterior spaces of 250 square feet (23.23 m²) or less, serving a private office space

(19) Section 1102.1 "Design." Amend to read as follows: "Buildings and facilities shall be designed and constructed to be accessible in accordance with this chapter and the Texas Accessibility Standards (TAS) of the Architectural Barriers law, Government Code Chapter 469, as applicable.

Exceptions: Buildings regulated under state law and built in accordance with state-certified plans, including any variance or waivers granted by the state, shall be deemed to be in compliance with the requirements of this chapter."

(20) Section 1512.2 "Roof Replacement." Delete #2 and all of #3

(21) Section 1512.3 "Roof Recovering." Amend to read as follows: "No building hereafter constructed, altered, or re-roofed, shall have a second roof structure placed over an existing roof structure without the removal of the entire first roof."

(22) Section 1612.3 "Establishment of Flood Hazard Areas." Insert: "The City of Harker Heights" and "September 26, 2008," respectively.

(23) Section 1807.2 "Retaining Walls." Amend to read: "Retaining walls two (2) feet and over must be permitted and engineered. Walls used to separate elevations between properties shall be placed on the property line or not closer than six (6) feet to the property line, allowing room to provide a drainage swale that will prevent runoff waters from inundating the adjacent properties. Retaining walls must be constructed of a material that is classified as permanent, i.e., concrete or decorative concrete block; the use of heavy timber is not permitted. Retaining walls shall be designed in accordance with Sections 1808.2.1 through 1807.2.3. Retaining wall drawings and engineered plans must be site specific."

(24) Table 2308.11.1(1) through Table 2308.11.2(6) of this code are amended by deleting in their entirety all columns that refer to 2 by 4s.

(25) Appendices C, E, F, G, I, J, K, L and P are adopted.

(26) Appendices A, B, D, H, , M, N and O are not adopted.

(B) The International Plumbing Code, 2024 Edition, as promulgated by the International Code Council, Inc., and all subsequently published annual revisions, except for the following, which shall amend and change said code only to the extent referenced:

(1) Section 101.1 "Title." Insert: "The City of Harker Heights, Texas."

(2) Section 103.1 "Code Compliance Agency." Insert: "Building Department."

(3) Section 111.4.3 "Re-inspection and Testing." Amend to read: "Where any work or an installation does not pass any initial inspection, the necessary corrections shall be made to

achieve compliance with this code. The work or installation shall then be re-submitted to the code official for re-inspection. A fee shall be paid to the city for each re-inspection."

(4) Section 108.2 "Schedule of Permit Fees." Insert: "As determined in the annual budget document."

(5) Section 108.6 "Refunds." Remove and insert: "The code official shall authorize the refunding of fees as follows:

1. The full amount of any fee paid hereunder that was erroneously paid or collected.
2. Not more than 50 percent of the permit fee paid where work has been done under a permit issued in accordance with this code.
3. Not more than 50 percent of the plan review fee paid where an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.

The code official shall not authorize the refunding of any fee paid except upon written application filed by the original permittee not later than 180 days after the date of fee payment."

(6) Section 115.4 "Stop Work Order." Revise the last sentence to read: "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 to remove a violation or unsafe condition, shall be liable as provided in Section 150.99 of the Code of Harker Heights, Texas."

(7) Section 112 "Means of Appeals." Replace the text with the following: "See Section 113 of the International Building Code."

(8) Section 114.4 "Violation Penalties." Amend to read: "Refer to Section 150.99 of the Code of Harker Heights, Texas."

(9) Section 305.4.1 "Sewer Depth." Insert: "twelve (12) inches (30.48 cm)" in both locations.

(10) Section 307.2.1 "Wall Framing for Walls Containing Plumbing." Add section to read: "Any wall that contains plumbing shall be constructed of a minimum of two by six nominal stud (2X6)."

(11) Section 311.1 "Toilet Facilities for Workers General." Add the following sentences: "Toilet facilities shall be placed not more than 300 feet (91.2 m) apart. Several builders may share the same facility, provided there is a letter on file signed by all parties."

(12) Section 312.2 "Drainage and Vent Water Test." Change to read: "A water test shall be applied to the drainage system, either in its entirety or in sections. If applied to the entire system, all openings in the piping shall be tightly closed, except the highest opening, and the system shall be filled with water to the point of overflow. If the system is tested in sections, each opening shall be tightly plugged, except the highest openings of the section under test, and each section shall be filled with water, but no section shall be tested with less than a 5-foot (1,524-mm) head of water. In testing successive sections, at least the upper 10 feet (3,048 mm) of the next preceding section shall be tested so that no joint or pipe in the building, except the uppermost 10 feet (3,048 mm) of

the system, shall have been submitted to a test of less than a 5-foot (1,524-mm) head of water. This pressure shall be held for not less than 15 minutes. The system shall then be tight at all points.”

(13) Section 312.3 "Drainage and Vent Air Test." Add exemption to read: "An air test for plastic pipe not exceeding 5 psi for a period not less than 15 minutes shall be allowed for soil testing in wet weather with prior approval from the Building Official."

(14) Section 312.11 "Inspection and Testing of Backflow Prevention Assemblies." Add text to last sentence to read: "... and with Chapter 54 of the Code of Harker Heights."

(15) Section 504.6 "Requirements for discharge piping" Add exemption 2.1 to read "Exemption: Discharge may be taken directly to the outside provided it has been approved by the Building Official and it is located in a conspicuous location that is visible from the front of the building and meets all other requirements in 504.6.

(15) Section 504.7.2 "Pan Drain Termination." Delete last sentence.

(16) Section 504.7.3. Add new section to read: "An approved warning and water service shutoff device shall be required where the pan drain termination is not take to the outside."

(17) Section 603.2 "Separation of Water Service and Building Sewer." Delete first sentence and change to read: "The building sewer shall be horizontally separated by not less than 5 feet (1,524 mm) of undisturbed or compacted earth. The required separation distance shall not apply where a water service pipe crosses a sewer pipe, provided the water service is sleeved to a point not less than 5 feet (1,524 mm) horizontally from the sewer pipe centerline on both sides of such crossing. The sleeve shall be of pipe materials listed in Table 605.3, 702.2 or 702.3. The required separation shall not apply where the bottom of the water service pipe, located within 5 feet (1,524 mm) of the sewer, is not less than 12 inches (305 mm) above the highest point of the building sewer."

(18) Section 603 "Water Service." Add new subsection 603.3 entitled "Water Service Metering," to read as follows: "Each building to which domestic water service is supplied shall be separately metered. Each tenant space of a multi-occupancy building shall have separate valves. Upon request for a meter set, the water service tap shall be identified and exposed by the owner or his agent. Adjacent grade at that time shall be as close to finished grade as possible. Should finished grade later prove to vary considerably from that which was anticipated upon the setting of the meter, it shall be the owner's sole responsibility to alter the grade of the water service tap, the meter, meter vault and yard line to accommodate the grade change."

(19) Section 608.15 "Location of Backflow Preventers." Add: "No backflow devices are to be located below grade."

(20) Section 705.10.2 "Solvent Cementing." Delete exceptions.

(21) Section 708.1.13 "Minimum Cleanouts Required." Add new section to read: "A minimum of one (1) clean-out conforming with section 708 and one (1) clean out located within 5' inside the property line shall be required. Where a cleanout is in conflict with any easement, public or private, the placement of the cleanout shall be coordinated with the City Building Official."

(22) Section 712 "Sumps and Ejectors." Add new subsection 712.5, to read as follows: "All portions of any equipment associated with a sewer sump or ejector shall be installed out-of-doors, and not within any building intended for human habitation."

(23) Section 802.1.4 "Swimming Pools." Amend as follows: "Wastewater from swimming pools, backwater from filters shall discharge to the nearest public roadway or approved drainage reserves by means of adequate piping."

(24) Section 903.1.1 "Roof Extensions." Insert: "6 inches (15.24 cm)."

(25) Section 904.1 "Required Vent Extension." Add the following sentence: "Every building in which plumbing is installed shall have at least one vent, the size of which is not less than 3 inches (76 mm)."

(26) Section 918.1 "Air Admittance Valves General." Add subsection 918.1.1 to read: "The use of air admittance valves must have prior approval by the Building Official."

(27) Section 1003.3.4 "Grease Trap and Grease Interceptor Not Required." Add the following exception: "An interceptor may be required for an individual dwelling unit or private living quarters, if there is reasonable cause to believe that injurious or illegal materials are being discharged to the public sewer in quantities reasonably calculated to cause damage to sewage treatment plants and/or processes. Nothing in subsection 1003.1.1 above shall be construed to relieve a multi-occupant facility, whether housing or otherwise, from installing a trap or interceptor, when it can be reasonably shown that the cumulative discharge of relatively small amounts of potentially injurious materials by individual tenants is sufficient to endanger the public sewer system. The responsibility for installation and maintenance of an interceptor in these circumstances is upon the owner or his agent."

(28) Appendices B, C, D, and E are adopted.

(29) Appendix A and F is not adopted.

(C) The International Mechanical Code, 2024 Edition, as promulgated by the International Code Council, Inc., and all subsequently published annual revisions, except for the following, which shall amend and change said code only to the extent referenced:

(1) Section 101.1 "Title." Insert: "The City of Harker Heights, Texas."

(2) Section 111.2 "Re-inspection and Testing." Change to read as follows: "Where any work or installation does not pass any inspection, the necessary corrections shall be made so as to achieve compliance with this code. The work or installation shall then be re-submitted to the code official for re-inspection. A fee shall be paid the city for each re-inspection."

(3) Section 108.2 "Schedule of Permit Fees." Insert: "As determined in the annual budget document."

(4) Section 108.6 "Refunds." Remove and insert: "The code official shall authorize the refunding of fees as follows:

1. The full amount of any fee paid hereunder that was erroneously paid or collected.

2. Not more than 50 percent of the permit fee paid where work has been done under a permit issued in accordance with this code.

3. Not more than 50 percent of the plan review fee paid where an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended."

(5) Section 115.4 "Failure to Comply." Revise the last sentence to read: "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 to remove a violation or unsafe condition, shall be liable as provided in Section 150.99 of the Code of Harker Heights, Texas."

(6) Section 112 "Means of Appeal." Replace the text with the following: "See Section 113 of the International Building Code."

(7) Section 114.4 "Violation Penalties." Amend to read: "Refer to Section 150.99 of the Code of Harker Heights, Texas."

(8) Section 304.3 "Elevation of Ignition Source." Delete exception.

(9) Section 307.2.1.1 "Condensate Discharge." After first sentence change to read: "Condensate drains shall not discharge into a plumbing fixture without prior approval from the Building Official."

(10) Section 504.5 "Dryer Exhaust Duct Power Ventilators." Add to end of section: "The ventilator shall be accessible for inspection, service, repair, and replacement without removing any permanent construction or ducts not connected to the ventilator."

(11) Appendix A, D and E are adopted.

(12) Appendix B and C are not adopted.

(D) The International Fuel Gas Code, 2024 Edition, as promulgated by the International Code Council, Inc., and all subsequently published annual revisions issued, except for the following, which shall amend and change said code only to the extent referenced:

(1) Section 101.1 "Title." Insert: "The City of Harker Heights."

(2) Section 108.2 "Schedule of Permit Fees." Insert at the end of the sentence: "in the annual budget documents."

(3) Section 108.6. " Refunds." Replace the text with the following: "The code official shall authorize the refunding of fees as follows:

1. The full amount of any fee paid hereunder that was erroneously paid or collected.

2. Not more than 50 percent of the permit fee paid where work has been done under a permit issued in accordance with this code.

3. Not more than 50 percent of the plan review fee paid where an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended."

(4) Section 111.3.3 "Re-inspection and Testing." Amend to read: "Where any work or installation does not pass any inspection, the necessary corrections shall be made so as to achieve compliance with this code. The work or installation shall then be re-submitted to the code official for re-inspection. A fee shall be paid to the city for each re-inspection."

(5) Section 113.4 "Violation Penalties." Amend to read: "Refer to Section 150.99 of the Code of Harker Heights, Texas."

(6) Section 112 "Means of Appeal." Replace the text with the following: "See Section 113 of the International Building Code."

(7) Section 114.4 "Failure to Comply." Revise the last sentence to read: "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 to remove a violation or unsafe condition, shall be liable as provided in Section 150.99 of the Code of Harker Heights, Texas."

(8)

(9) Add Section 406.4.3 "Test Gauges. Gauges used for testing shall be as follows:

1. Tests requiring a pressure of 10 psi or less shall utilize a testing gauge having increments of 0.10 psi (0.69 kPa) or less.

2. Tests requiring a pressure higher than 10 psi (69 kPa) but less than or equal to 100 psi (690 kPa) shall use a testing gauge having increments of 1 psi (6.9 kPa) or less.

3. Tests requiring a pressure higher than 100 psi (690 kPa) shall use a testing gauge having increments of 2 psi (14 kPa) or less."

4. Spring type gauges do not meet the requirement of a calibrated gauge.

(10) Appendices A, B and C, are adopted.

(11) Appendix D is not adopted.

(E) The International Energy Conservation Code, 2024 Edition, as promulgated by the International Code Council Inc., and all subsequently published annual revisions issued, except for the following, which shall amend and change said code only to the extent referenced:

(1) Section C101.1 "Title." Insert: "The City of Harker Heights."

(2) Section C106.6. Replace the text with the following: "The code official shall authorize the refunding of fees as follows:

1. The full amount of any fee paid hereunder that was erroneously paid or collected.

2. Not more than 50 percent of the permit fee paid where work has been done under a permit issued in accordance with this code.

3. Not more than 50 percent of the plan review fee paid where an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended."

(3) Section C107.6 "Re-inspection and Testing." Amend to read: "Where any work or installation does not pass an inspection, the necessary corrections shall be made so as to achieve compliance with this code. The work or installation shall then be resubmitted to the code official for re-inspection. A fee shall be paid to the city for each re-inspection."

(4) Section C110.4 "Failure to Comply." Revise the last sentence to read: "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 to remove a violation or unsafe condition, shall be liable as provided in Section 150.99 of the Code of Harker Heights, Texas."

(5) Add Section C111 "Board of Appeals." "See Section 113 of the International Building Code."

(6) Section R101.1 "Title." Insert: "The City of Harker Heights."

(7) Section R106.6. Replace the text with the following: "The code official shall authorize the refunding of fees as follows:

1. The full amount of any fee paid hereunder that was erroneously paid or collected.

2. Not more than 50 percent of the permit fee paid where work has been done under a permit issued in accordance with this code.

3. Not more than 50 percent of the plan review fee paid where an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended."

(8) Section R107.3 "Re-inspection and Testing." Amend to read: "Where any work or installation does not pass an inspection, the necessary corrections shall be made so as to achieve compliance with this code. The work or installation shall then be resubmitted to the code official for re-inspection. A fee shall be paid to the city for each re-inspection."

(9) Section R110.4 "Failure to Comply." Revise the last sentence to read: "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 to remove a violation or unsafe condition, shall be liable as provided in Section 150.99 of the Code of Harker Heights, Texas."

(10) Add Section R110 "Board of Appeals." "See Section 113 of the International Building Code."

(11) Delete Section 404.2.1 Habitable spaces

(F) The International Residential Code for One and Two Family Dwellings, 2024 Edition, as promulgated by the International Code Council, Inc., and all subsequently published annual revisions, except for the following, which shall amend and change said code only to the extent referenced:

(1) Section R101.1 "Title." Insert: "The City of Harker Heights."

(2) Section R105.1 "Required." Amend to read: "Any owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert, or replace any electrical, gas, mechanical, or plumbing system, the installation of which is regulated by this code, or to install

accessory structures, or to cause any such work to be done, shall first make application to the Building Official for a permit. Any owner or authorized agent shall also comply with applicable state and local rules and regulations concerning licensing and registration, and obtain the required permit."

(3) Section R105.2 "Work Exempt from Permit." Remove exemptions 1, 2, 4, 5 and 10, and change number 3 to read: "Retaining walls that are not over 2 feet (609.6 mm) in height unless supporting a surcharge."

(4) Section R109.4.1 "Re-inspection." Add new section to read as follows: "Where any work or installation does not pass any inspection, the necessary corrections shall be made to achieve compliance with this code. The work or installation shall then be re-submitted to the Building Official for re-inspection. A fee shall be paid the city for each re-inspection."

(5) Section R112 "Board of Appeals." Replace the text with the following: "Refer to Section 113 of the International Building Code."

(6) Section R113.4 "Violation Penalties." Add the following sentence: "Refer to Section 150.99 of the Code of Harker Heights."

(7) Table 301.2. Insert the following criteria:

Snow load 5 pounds/foot

Wind 115 (3-sec gust)/75 fastest mile

Seismic Design Category B

Weathering Moderate

Frostline depth 4 inches

Termite Moderate to heavy

Decay Slight to moderate

Winter Design Temperature 26° F

Flood Hazards Local Code

(8) Section R309.2 "Automatic Fire Sprinkler Systems." Delete this section.

(9) Section 309.2.1 "Design and Installation." Amend to read: "Automatic residential fire sprinkler systems when installed shall be designed and installed in accordance with Section P2904 or NFPA 13D."

(10) Section R3206.5 "Toilet Facilities for Workers." Add to read as follows: "Toilet facilities shall be provided for construction workers, and such facilities shall be maintained in a sanitary condition. Construction worker toilet facilities of the non-sewer type shall conform to ANSI Z4.3. The path of travel to required facilities shall not exceed a distance of 300 feet (91.2 m)."

(11) Section R404.6 "Retaining Walls." Add new section to read as follows: "Retaining walls two (2) feet and over must be permitted and engineered. Walls used to separate elevations between properties shall be placed on the property line or not closer than six (6) feet to the property line, allowing room to provide a drainage swale that will prevent runoff waters from inundating the adjacent properties. Retaining walls must be constructed of a material that is classified as permanent, i.e., concrete or decorative concrete block; the use of heavy timber is not permitted. Retaining wall drawings and engineered plans must be site specific."

(12) Section 506.3.3 After last sentence add the following. "All laps shall be properly taped."

(13) Section R602.3.1 "Stud Size, Height and Spacing." Add the following exemption: "4. Where plumbing is present and passes through more than one framing member within a wall assembly, no less than two by six (2x6) framing shall be used. (Wet Walls)"

(14) Section R801 "General." Add Section R801.4 "Roof Framing" to read as follows: "Roof framing materials, two inch (2") by four inch (4"), referred to in the span tables of this chapter, shall not be permitted in habitable structures except when used in engineered trusses."

(15) Section 908.3 Remove exception 3

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(16) Section 908.4 "Roof Re-covering." Delete entire section.

(17) Section 908.7 "Secondary Roofing." Add section to read as follows: "No building hereafter constructed, altered, or re-roofed, shall have a second roof structure placed over an existing roof structure without the removal of the entire first roof."

(18) Section P2501.3 "Metering." Add new section: "Each dwelling to which domestic water service is supplied shall be separately metered. Upon request for a meter set, the water service tap shall be identified and exposed by the owner or his agent. Adjacent grade at that time shall be as close to finished grade as possible. Should finished grade later prove to vary from that which was anticipated upon the setting of the meter, it shall be the owner's sole responsibility to alter the grade of the water service tap, the meter, meter vault and yard line to accommodate the grade change."

(19) Section P2501.4 "Sewer Connection." Add new section: "Each dwelling which contains plumbing fixtures designed to waste to the sanitary drainage system shall have a separate connection at the public sewer. Each household unit of a townhouse or two family dwelling shall have a separate connection to the public sewer, and shall not share any portion of the DWV system. A common collector line may receive the discharge from each household unit in the case of two family dwellings under common ownership and management."

(20) Section 2603.1.1. Add new section to read: "Wall framing for walls containing plumbing." Add section to read: "Any wall that contains plumbing shall be constructed of a minimum of two by six nominal stud (2X6)."

(21) Section 2603.5.1. Add 12" at both locations.

(22) Section 2801.6.3. Add new section to say: "An approved warning and water service shutoff device shall be required where the pan drain termination is not take to the outside."

(23) Section 2804.6.1 "Requirements for discharge piping" Add exemption 2.1 to read "Exemption: Discharge may be taken directly to the outside provided it has been approved by the Building Official and it is located in a conspicuous location that is visible from the front of the building and meets all other requirements in 2804.6.1.

(23) Section 2902. After last sentence add the following: "No backflow devices shall be located below grade."

(24) Section P2902.4.3 "Hose Connection." Add the following: "All hose bibs installed on the exterior of the building shall be protected with a back flow preventer that is an integral part of the hose bib."

(25) Sections 3005.2. After last sentence add the following: "A minimum of one (1) clean-out conforming with section 3005.2.1 through 3005.2.11 and one (1) clean out located within 5' inside the property line shall be required. Where a cleanout is in conflict with any easement, public or private, the placement of the cleanout shall be coordinated with the City Building Official."

(26) Section 3005.4.2.1. Add new section to read as follows: "Building sewers shall not be less than 3 inches (7.62 cm) in diameter."

(27) Table 3005.4.2. Add footnote "c". Amend to read as follows: "Building sewers shall not be less than 3 inches (7.62 cm) in diameter."

(28) Section P3007.1.1 "Location of Sumps and Ejectors." Add to read as follows: "All portions of any equipment associated with a sewer sump or ejector shall be installed out-of-doors, and not within any building intended for human habitation."

(29) Section P3102.1 "Required Vent Extension." Add the following: "Every building in which plumbing is installed shall have at least one stack, the size of which not less than 3 inches (7.62 cm). Such stack shall run undiminished in size, and as directly as possible from the building drain through to the open air or a vent header that extends to the open air. Where possible, the 3-inch (7.62-cm) vent should serve the water closet farthest from where the building sewer exits the building."

(30) Section P3114.1 "General." After last sentence add the following: "Air admittance valves may only be installed with prior written authorization of the Building Official."

(31) Section E3601.6.2 "Service Disconnect Locations." Amend to read: "The service disconnecting means shall be installed at a readily accessible location outside of the building, and as close to the meter base as possible. Each occupant shall have clear access to the service disconnecting means serving the dwelling unit in which they reside."

(32) Section A1101.1 of Appendix I "Private Sewage Disposal." Amend to read: "All private sewage disposal systems shall conform to the requirements of the Texas Department of Health and the Texas Commission on Environmental Quality, as administered by the Bell County Health Department."

(33) Appendices BA, BB, BC, BD, BF, BG, BH, BM, BN, BO, CA, CB, CC, CD, CE, CF, are adopted.

(34) Appendices AA, AB, BE, BI, BJ, BK, BL, CG, CH, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, are not adopted.

(G) The International Property Maintenance Code, 2024 Edition, as promulgated by the International Code Council, Inc., and all subsequently published annual revisions, except for the following, which shall amend and change said code only to the extent referenced:

(1) Section 101.1 "Title." Insert : "The City of Harker Heights."

(2) Section 104.1 "Fees." Amend to read: "The fees for activities and services and/or permits required by this department shall be paid as required, in accordance with the schedule as established in the annual budget document."

(3) Section 107 "Means of Appeal." Replace the text with the following: "See Section 113 of the International Building Code."

(4) Section 108 "Board of Appeals." Delete entire section.

(5) Section 302.4 "Weed." Insert: "12 inches (304.8 mm)."

(6) Section 302.8 "Motor Vehicles." Amend to read: "Except as provided in other regulations, no inoperative and not displaying a current registration and inspection certificate, motor vehicle shall be parked, kept or stored on any premises visible from any public property, and no vehicle shall at any time be in a state of disassembly, disrepair, or in the process of being stripped or dismantled. Painting of vehicles is prohibited unless conducted inside an approved spray booth."

(7) Section 304.14 "Insect Screens." Amend to read: "Every door, window and other outside opening required for ventilation of habitable rooms, food preparation areas, food service areas, or anywhere products to be included or utilized in food for human consumption are processed, manufactured, packaged, or stored, shall be supplied with approved tightly fitting screens of less than sixteen (16) mesh per inch (16 mesh per 25 mm), and every swinging door used for insect control shall have a self-closing device in good working condition."

(8) Section 602.3 "Heat Supply." Amend to read: "Every owner and operator of any building who rents, leases, or sublets one or more dwelling unit, rooming unit, dormitory or guestroom on terms, either expressed or implied, to furnish heat to the occupants thereof shall supply heat to maintain a temperature of not less than 65° F (18° C) in all habitable rooms, bathrooms, and toilet rooms."

(9) Section 602.4 "Occupiable Work Spaces." Amend to read: "Indoor work spaces that may be occupied shall be supplied with heat to maintain a temperature of not less than 65° F (18° C) during the period that the space is occupied."

Exceptions: remain as written.

(10) Appendix A is hereby adopted.

(11) Appendix B is not adopted.

(H) The International Existing Building Code, 2024 Edition, as promulgated by the International Code Council, Inc., and all subsequently published annual revisions, except for the following, which shall amend and change said code only to the extent referenced:

- (1) Section 101.1 "Title." Insert "The City of Harker Heights."
- (2) Section 105.1.1 "Annual Permit" and 105.1.2 "Annual Permit Records." Delete in its entirety.
- (3) Section 105.2 "Work Exempt from Permit." Delete Number 1.
- (4) Section 109.5.1. Add new section "Re-inspection" to read: "Where any work or an installation does not pass any initial inspection, the necessary corrections shall be made to achieve compliance with this code. The work or installation shall then be re-submitted to the code official for re-inspection. A fee shall be paid to the city for each re-inspection."
- (5) Section 112 "Means of Appeals." Replace the text with the following: "Refer to Section 113 of the 2015 International Building Code."
- (6) Section 705 .2.1 "Roof Replacement ." Delete Item 2 and all of 3.
- (7) Section 705.2.1. "Exceptions." Delete entire section and add the following: "Roof Recovering: New roof coverings shall not be installed without first removing all existing layers of roof coverings down to the roof deck."
- (8) 705.3 "Roof Recovering over wood shingles or shakes." Delete section.

(I) The International Swimming Pool and Spa Code, 2024 Edition, as promulgated by the International Code Council Inc., and all subsequently published annual revisions issued, except for the following, which shall amend and change said code only to the extent referenced:

- (1) Chapter 1, part 101.1 "Title." Insert: "The City of Harker Heights."
- (2) 109.2 "Schedule of Permit Fees." Amend to read: "The fees for work shall be as indicated in the city adopted fee schedule."
- (3) Section 109.6 "Fee Refund." Remove and insert: "The code official shall authorize the refunding of fees as follows:
 1. The full amount of any fee paid hereunder that was erroneously paid or collected.
 2. Not more than 50 percent of the permit fee paid where work has been done under a permit issued in accordance with this code.
 3. Not more than 50 percent of the plan review fee paid where an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended."
- (4) Section 111.16 "Re-inspection and Testing." Amend to read: "Where any work or installation does not pass an inspection, the necessary corrections shall be made so as to achieve compliance with this code. The work or installation shall then be resubmitted to the code official for re-inspection. A fee shall be paid to the city for each re-inspection."

(5) Section 112 "Means of Appeals." Replace the text with the following: "See Section 113 of the International Building Code."

(J) The International Fire Code, 2021 Edition as promulgated by the International Code Council Inc., and all subsequently published annual revisions issued, except for the following, which shall amend, and change said code only to the extent referenced:

(1) Section 101.1 "Title." Amend to read: "These regulations shall be known as the Fire Code of The City of Harker Heights, hereinafter referred to as this 'code!'"

(2) Section 102.1; "Construction and Design provisions." Amend #3 to read: "Existing structures, facilities and conditions when required in Chapter 11 or in other sections of this code."

(3) Section 103.1 "Creation of Agency." Amend to read: "The Harker Heights Fire Department Fire Prevention Division is hereby created and the Fire Chief or his designee shall be known as the fire code official. The function of the division shall be the implementation, administration and enforcement of the provisions of this code."

(4) Section 103.2 "Appointment." Amend to read: "The fire code official shall be the Fire Chief or his designee."

(5) Section 104.1 "General". Amend to read: "The fire code official or any peace officer licensed the city of Harker Heights is hereby authorized to enforce the provisions of this code. The fire code official shall have the authority to render interpretations of this code and to adopt policies, procedures, rules, and regulations in order to clarify the application of its provisions. Such interpretations, policies, procedures, rules, and regulations shall be in compliance with the intent and purpose of this code. Such policies, procedures, rules and regulations shall not have the effect of waiving requirements specifically provided for in this code."

(6) Section 104.4.2 "Photographic Documentation." Amend by adding: "Members of the Fire Department making such examinations or inspections shall have the right, with proper credentials, and be authorized to take a reasonable number of photographs or video for evidence and for records for use by the Fire Department to document violations, study hazards and scientific control for fire safety."

(7) Section 105.3.1 "Expiration." Amend by adding an exception to read: "Exception: Construction permits attached to, or in association with, the master commercial permit shall not be subject to the provisions of Section 105.3.1 and shall follow the expiration period of the master commercial permit if applicable."

(8) Section 105.3.3 Occupancy Prohibited before Approval. Amend to read: "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."

(9) Section 105.5 "Required operational permits." Amend to read: "The fire code official is authorized to issue operational permits for the operations set forth in Sections 105.5.1 through 105.5.58."

(10) Section 105.5.58 "Food Booths." Add section to read: "An operational permit is required for the operation of a food booth. For permit to operate a food booth, see Section 4107."

(11) Section 105.6 "Required construction permits." Amend to read: "The fire code official is authorized to issue construction permits for work set forth in Sections 105.6.1 through 105.6.26."

(12) 105.6.26 Electronic access control systems. Add section to read as follows: "Construction permits are required to install or modify an electronic access control system, as specified in Chapter 10. A separate construction permit is required for to install or modify a fire alarm system that may be connected to the access control system. Maintenance performed in accordance with this code is not considered to be a modification and does not require a permit."

(13) 108.3 Permit valuations. Delete this section in its entirety.

(14) Section [A] 110.6 "Overcrowding." Amend to read: "Overcrowding or admittance of any person beyond the approved capacity of a building or a portion thereof shall not be allowed. The fire code official, an officer of the fire department or any peace officer licensed by the City of Harker Heights on finding any overcrowding conditions or obstructions in aisles, passageways or other means of egress, or on finding any condition that constitutes a life safety hazard, shall be authorized to cause the event to be stopped until such conditions or obstruction is corrected."

(15) Section 110.6.1 "Removal of Occupants". Add section to read: "The fire code official, an officer of the fire department or any peace officer licensed by the City of Harker Heights is authorized to require the removal of occupants at a location when actual occupancy exceeds the permitted or posted occupant load. A person commits an offense if they refuse to obey an order to vacate."

(16) Section 112.1 "Board of appeals established". Delete Sections 112.1, 112.2, 112.3 & 112.4 Amend Section 112.1 to read: "Appeals shall be handled as set forth in Section 113 of the adopted international Building Code."

(17) Section 113.4 "Violation penalties." Amend to read: "Persons 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, repair or do work in violation of the approved construction documents, or directive of the fire code official, or of a permit or certificate under provisions of this code, shall be guilty of a Misdemeanor and upon conviction shall be punished as provided in Section 10.99 of the Code of Harker Heights. Each day that a violation continues after notice has been served shall be deemed a separate offense."

(18) SECTION 202, GENERAL DEFINITIONS Amend section by including and or changing the following definitions:

ALL WEATHER DRIVING SURFACE. A driving surface that is capable of supporting the imposed loads of fire apparatus and consisting of material that is impervious to damage from wet conditions and does not produce dust during dry weather conditions. Accepted materials shall consist of concrete or asphalt correctly applied.

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 or staff has accepted responsibility for care recipients already incapable. This group may include but not be limited to the following: Dialysis centers, Sedation dentistry, Surgery centers, Colonic centers, Psychiatric centers, or Procedures involving sedation.

AS DEVELOPED. The change of use of a parcel of land from a vacant, unimproved tract to one which is prepared for occupancy by buildings or structures, or which becomes occupied by buildings, structures.

ATRIUM. An opening connecting three or more stories... {remaining text unchanged}

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 shall mean the designated authority charged with the administration, interpretation, and enforcement of this code, responsible for the investigations of fires and inspection of facilities.

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 1.3G fireworks or 1.4G fireworks. ... {Remainder of text unchanged} ...

FOSTER CARE FACILITIES. Shall mean an independent residential occupancy that is the primary residence of the caregiver and licensed by the state to provide twenty four (24) hour care for five or fewer children (including those related to the caregiver) up to the age of eighteen (18) years.

FUEL MODIFICATION ZONE. An area of land where combustible vegetation has been thinned, modified, or both, and partially or totally replaced with approved drought- tolerant, fire-resistant, and/or irrigated plants to provide an acceptable level of risk from vegetation fires. Fuel modification reduces radiant and convective heat, thereby reducing the amount of heat exposure on the roadway or structure and providing fire suppression forces a safer area in which to take action.

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 (speculative warehouse), 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 with an occupied floor located more than 55 feet (16764 mm) above the lowest level of fire department vehicle access.

MOBILE FOOD PREPARATION VEHICLES. Shall mean a mobile food operation using any heat producing equipment for the purpose of preparing and serving food for consumption to the public, from a unit which is wheeled, or otherwise designed to be readily transported from place to place, whether towed or self-propelled, and which is not designed to be permanently connected to domestic water, sanitary sewer systems, or electricity.

MOBILE HOME PARK. For purposes of enforcement of these code provisions, a mobile home park shall be considered as commercial property.

MODIFICATION OF A FIRE PROTECTION SYSTEM. To change, alter or upgrade a system from its original design, coverage, and method of actions. This may include but is not limited to the following:

- Changing piping or coverage of a system
- Replacing one single board or FA control unit with a newer model
- Conversion from a horn system to a voice alarm system
- Replacing POTS lines with Cellular Dialers

The following are not considered a modification:

- Replacing painted or corroded heads with same type and temp rating or replacing gauges
- Firmware updates
- Software updates
- Replacing boards of the same model utilizing the same or newer firmware

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.

ROUTE THAT A FIRE HOSE WOULD BE LAID. The routing of fire hose from either a public or approved on-site fire hydrant to the fire apparatus along the length of the public roadway and/or approved private fire lanes.

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 Code Official or his designee. When utilized, the number required shall be as directed by the Fire Code Official or his designee. Charges for utilization shall be as normally calculated by the jurisdiction.

TEMPORARY STRUCTURE. Any building or structure erected for a period of 90 days or less to support temporary events. Temporary structures include a range of structure types (public-occupancy temporary structures, temporary special event structures, tents, umbrellas and other

membrane structures, relocatable buildings, temporary bleachers, etc.) for a range of purposes (storage, equipment protection, dining, workspace, assembly, etc.).

(19) Section 307.1.1 Prohibited Open Burning. Amend to read: 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: {No change.}

(20) Section 307.2 Permit Required. Amend to read: "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, or 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."

(22) Section 307.4 Location. Amend to read: "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: {No change.}

(23) Section 307.4.1 Bonfires. Delete entire section.

(24) 307.4.2 Recreational fires. Amend to read: "Allowed without a permit in approved containers at one and two-family dwellings, subject to the regulations contained herein. Recreational fires shall not be conducted within 15 feet (3048mm) of a structure or combustible material. Conditions that could cause a fire to spread within 15 feet (3048mm) of a structure shall be eliminated prior to ignition. Fires shall be limited to a maximum of three feet in diameter and two feet in height, must be contained in a noncombustible chimney, outdoor fireplace, fire pit, or other method approved by the Fire Code Official. All openings in the container or fire pit must be covered with wire mesh or other screening materials that will prevent the passage of sparks or embers. No such fire or container used for open burning may be used on any porch, deck, balcony, or other portion of a building. Within any room, space, or under any building overhang."

(25) Section 307.4.4 Permanent Outdoor Firepit. Add section: "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 International Residential Code or International Building Code."

(26) 307.4.5 Trench Burns. Add section: Trench burns shall be conducted in air curtain trenches and in accordance with Section 307.2.

(27) Section 307.5 Attendance. Amend to read: "Open burning, trench burns, recreational fires, and use of portable outdoor fireplaces shall be constantly attended until the... {Remainder of section unchanged}

(28) Section 308.1.6, Exception #3; Amend to read as follows:

3. Torches or flame-producing devices in accordance with Section 308.4.

(29) Section 308.1.6.3 Sky Lanterns. Amend to read: "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."

(30) Section 311.5 Placards. Amend to read: "The fire code official is authorized to require marking of any vacant or abandoned buildings or structures determined to be unsafe pursuant to Section 114 of this code relating to structural or interior hazards, as required by Section 311.5.1 through 311.5.5.

(31) Section 401.9 "False Alarms and Nuisance Alarms." Add section to read: "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."

(32) Section 403.4 Group E Occupancies. Amend to read: 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 403.4.1 through 403.4.3.

(33) Section 404.2.2 Fire safety plans. Add Number 4.10. to read as follows:

"4.10. Fire extinguishing system controls."

(34) Section 501.4 Timing of Installation. Amend to read: "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., such protection shall be installed and made serviceable prior to and during the time of construction except when approved alternative methods of protection are provided. Temporary street signs shall be installed at each street intersection when construction of new roadways allows passage by vehicles in accordance with Section 505.2."

(35) Section 503.2.1 Dimensions. Amend to read: "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."

(36) Section 503.2.3 Surface. Amend to read: Fire apparatus access roads shall be designed and maintained to support imposed loads of at least 85,000 Lbs. for fire apparatus and shall be surfaced to provide all-weather driving capabilities. Drivable grass surfaces, or other alternative drivable surfaces, are permitted when approved by the Fire Marshal or his designee and in accordance with all the following conditions:

1. Sealed documents indicating compliance with the provisions of 503.2.3 shall be submitted by a registered design professional for review.

2. The drivable grass surface, or alternative drivable surface, shall not be used as the primary access to the site.

3. The surface shall be capable of supporting the imposed load of fire apparatus weighing at least 85,000 pounds.

4. Red traffic reflectors shall be provided on each side of the surface every 20 feet to clearly mark its boundaries. Vegetation on and surrounding the surface shall be maintained such that said reflectors are visible at all times.

5. Sod is not permitted to be placed over the drivable base.

6. Concrete curbing, or other approved edging, shall be installed along both sides of the portion to be used as such for enhanced lateral stability.

7. If sand or other free-flowing fill is used as a main structural component for the surface, concrete curbing or other approved edging shall be installed along both sides of the surface for material containment.

8. The surface shall be maintained in proper working order at all times when utilized as a required fire lane. Should the surface become damaged or fall into disrepair, the Fire Marshal or his designee shall be authorized to require the repair and re-certification of said surface."

(37) Section 503.2.5 "Dead Ends." Amend to read: "Required fire apparatus access when not connected at both ends to a public roadway, shall be provided with an approved area for the turning around of fire apparatus. A turn around as approved by the Fire Marshal or as permitted by Appendix D are acceptable. Cul-de-sac as noted in Appendix D shall have a minimum radius of fifty (50) feet."

(38) Section 503.3 Marking. Amend to read: "Striping, signs, or other markings, when approved by the fire code official, shall be provided for fire apparatus access roads to identify such roads or prohibit the obstruction thereof. 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 TOW AWAY ZONE" 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 Code Official or his designee."

(39) Section 503.4 Obstruction of Fire Apparatus Access Roads. Amend to read: "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 503.2.2 and any area marked as a fire lane as described in Section 503.3 shall be maintained at all times.

(40) Section 503.6.1 "Direction of Swing." Add new section to read: "Security gates installed across a Fire Apparatus Access Road shall swing in the direction of travel or open horizontally to avoid backing up of Fire Apparatus and to allow for an expedited response."

(41) Section 503.7 "Abandonment of Fire Apparatus Access Roads" Add new section to read: "No owner or person in charge of any premises served by an existing required fire apparatus access road shall abandon or close any such fire apparatus access road without first complying with the following procedure:

1. A request to the Fire Code Official shall be made in writing by the owner, stating the reasons for abandonment of the fire apparatus access road.

2. The Fire Code Official shall determine if said property is no longer subject to the requirements of this Code. The Fire Code Official shall either approve or deny the request for abandonment and notify the owner in Writing within 10 working days of receiving the request.

3. No fire apparatus access road may be abandoned until the Fire Code Official has approved the abandonment in writing."

(42) Section 505.1 Address Identification. Amend to read: 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 ½ inch (12.7 mm). Where required by the fire code official, address numbers 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, and/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.

Exception: R-3 Single Family occupancies shall have approved numerals of a minimum 4 inches (101.6 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.

(43) Section 507.3 "Fire flow." Amend to read: "Fire Flow requirements for buildings or portions of buildings and facilities shall be as per Appendix B of the International Fire Code or approved method as determined by the Fire Marshal."

(44) 507.5 Fire hydrant systems. Amend to read: "Fire hydrant systems shall comply with Sections 507.5.1 through 507.5.10"

(45) Section 507.5.1 Where required. Amend to read:

"All Public and/or private fire hydrants and mains are required to be installed as follows:

1. All non-residentially zoned property or use: As the property is developed, fire hydrants shall be located at a maximum spacing of three hundred (300) feet, as measured along the length of the roadway or as determined by the Fire Code Official.

No part of the structure shall be further than five hundred (500) feet from the fire hydrant, as measured by the route that a fire hose would be laid.

2. All residentially zoned property or use: As the property is developed, fire hydrants shall be located at a maximum spacing of six hundred (600) feet, as measured along the length of the roadway or as determined by the Fire Code Official. No part of the structure shall be further than five hundred (500) feet from the fire hydrant, as measured by the route that a fire hose would be laid."

(46) Section 507.5.1.2 "Accessibility." Add section to read: "No fire flow credit is allowed for hydrants which are located or so obstructed as to make their use impractical, such as, but not limited to, hydrants across railroad tracks, across limited access highway, expressways, primary thoroughfares, minor or principal arterials, across creeks or streams, or walls."

(47) Section 507.5.4 Obstruction. Amend to read: 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.

(48) Section 507.5.7 "Design Criteria for Water Mains." Add sections to read: "The minimum diameter for public water mains shall be six inches in single-family residential areas and eight inches in all other areas. Larger mains may be required" to accommodate fire flow requirements.

(a) Section 507.5.7.1. Flow Rate. All fire hydrants must be capable of and maintain a minimum flow rate, as measured by Fire Department gauges, of 1,000 gpm in single-family residential areas; 1,250 gpm in commercially zoned areas; and 1,500 gpm in all other areas.

(b) Section 507.5.7.2. Where the fire service mains are used to supply required fire hydrants, the mains shall be sized to flow the required fire flow as determined by Section 507.3.

(c) Section 507.5.7.3. Where the fire service mains are used to supply required fire hydrants plus fire sprinkler and/or fire standpipe systems, the mains shall be sized to flow the larger of the fire hydrant flow demand as determined by Section 507.3, the fire sprinkler demand or the fire standpipe demand as determined by as determined by Chapter 9.

(d) Section 507.5.7.4. When sizing the fire service main, the distribution of the fire flow among the required fire hydrants (as determined by 507.5.7.2 or 507.5.7.3 above) shall be no less than 1,000 gpm at the hydraulically remote fire hydrant, with the remaining fire flow equally distributed among the remaining required fire hydrants, unless otherwise determined by the Fire Marshal.

(e) Section 507.5.7.5 Private fire mains shall be hydraulically calculated.

(f) Section 507.5.7.6. Water pressure in private fire mains shall not be less than thirty-five pounds per square inch (35 psi) with no hydrants in use. When hydrants are in use supplying the required fire flow, water pressure in the main at the fire hydrant discharge level shall be not less than 25 pounds per square inch (25 psi) residual.

(g) Section 507.5.7.7. The minimum required number of fire hydrants for the fire flow determined by Section 507.3 shall be specified in Appendix C, Table C 102.1.

(h) Section 507.5.7.8. Except for specific requirements of this code, all hydrants and mains required for private protection shall be designed, constructed, and operated in conformance with the City of Harker Heights criteria, specifications and regulations for public fire hydrants and mains on public streets and NFPA 24.

(i) Section 507.5.7.9. Fire hydrants located on un-looped six inch (6") water mains of more than eighteen hundred feet (1,800'), or on looped six inch (6") water mains of more than three thousand five hundred feet (3,500'), shall not be considered as meeting the requirements of this code."

(49) Section 507.5.8 "Fire Hydrant Installation Criteria." Add section to read: "Fire hydrants shall be installed per the following criteria:

1. All required fire hydrants shall be Mueller Super Centurion or American -Darling three-way breakaway-type, painted reflective yellow, no less than five and one-quarter inches (5-1/4") in size, and shall conform to the provisions of the latest AWWA specifications.

2. Fire hydrants shall be right turn only.

3. The steamer (pumper) connection shall have a nominal inside diameter of 4 inches – with a NFPA 5 inch Stortz connection and shall have two other hose connections with a nominal inside diameter of 2.5 inches in addition to the steamer (pumper) connection.

4. Fire hydrants shall be a minimum of two feet (2') and a maximum of six (6') feet from the gutter face of the curb which forms a public way or Fire Lane. Fire hydrants located on private property and/or in parking lots adjacent to a Fire Lane or public way shall meet the same requirement for distance and be located on a curbed island and/or protected from damage in accordance with Section 312.

5. Gate valves shall be placed on all fire hydrant leads.

6. Required fire hydrants shall be installed so the break-away point will be no less than three inches (3") and no greater than five inches (5") from finished grade.

7. All required fire hydrants shall be installed with the steamer connection facing the fire apparatus access road, street, or fire lane, as applicable.

8. All required fire hydrants shall be approved by the Fire Code Official. and installed by the contractor in accordance with City Standards prior to the delivery of combustible materials to the construction site.

9. There shall be no parking within fifteen feet (15') of either side of a fire hydrant, along the curb line or within three feet (3') of the backside of any fire hydrant. Fire hydrants shall not be blocked to the front."

(50) Section 507.5.9 "Maintenance." Add sections to read: "All fire hydrants shall be inspected and flushed annually. All such inspections and flushing shall be the responsibility of the Harker Heights Fire Department."

(a) Section 507.5.9.1 Any maintenance or repairs required to keep private on-site fire hydrants in proper working order shall be the responsibility of the owner of same, subject to the discretion of the Fire Department's annual inspection and flushing.

(b) Section 507.5.9.2 All required private on-site fire hydrants shall be accessible to the Fire Department at all times."

(51) Section 507.5.10 "Required Extension." Add section to read: "The Fire Code Official may require that an individual extend a six-inch (6") or larger water main and install an on-premises fire hydrant conforming to these regulations, in cases where it is determined that a structure will be situated such that it cannot comply with the maximum distance requirements of subsection 507.5.7 of this code."

(52) Section 605.4 Fuel oil storage systems. Amend to read: "Fuel oil storage systems shall be installed and maintained in accordance with this code. Tanks and fuel-oil piping systems shall be installed in accordance with Chapter 13 of the International Mechanical Code and Chapter 57."

(a) Section 605.4.1 Fuel oil storage in outside, above-ground tanks. Amend to read: Where connected to a fuel-oil piping system, the maximum amount of fuel oil storage allowed outside above ground without additional protection shall be 660 gallons (2498 L). The storage of fuel oil above ground in quantities exceeding 660 gallons (2498 L) shall comply with NFPA 31 and Chapter 57.

(b) Section 605.4.1.1 Approval. Amend to read: Outdoor fuel oil storage tanks shall be in accordance with UL 142 or UL 2085, and listed as double wall/secondary containment tanks.

(c) Section 605.4.2 Fuel oil storage inside buildings. Amend to read: Fuel oil storage inside buildings shall comply with Sections 605.4.2.2 through 605.4.2.8 and Chapter 57.

(d) Section 605.4.2.1 Approval. Indoor fuel oil storage tanks shall be in accordance with UL 80, UL 142, or UL 2085.

(e) Section 605.4.2.2 Quantity limits. Amend to read: One or more fuel oil storage tanks containing Class II or III combustible liquid shall be permitted in a building. The aggregate capacity of all tanks shall not exceed the following:

1. 660 gallons (2498 L) in unsprinklered buildings, where stored in a tank complying with UL 80, UL 142 or UL 2085, and also listed as a double-wall/secondary containment tank for Class II liquids.

2. 1,320 gallons (4996 L) in buildings equipped with an automatic sprinkler system in accordance with Section 903.3.1.1, where stored in a tank complying with UL 142 or UL 2085. The tank shall be listed as a secondary containment tank, and the secondary containment shall be monitored visually or automatically.

3. 3,000 gallons (11 356 L) in buildings equipped with an automatic sprinkler system in accordance with Section 903.3.1.1, where stored in protected above-ground tanks complying with UL 2085 and Section 5704.2.9.7. The tank shall be listed as a secondary containment tank, as required by UL 2085, and the secondary containment shall be monitored visually or automatically.

(53) Section 606.1 "General." Amend to read: "Commercial kitchen exhaust hoods shall comply with the requirements of the International Mechanical Code and NFPA 96."

(54) Section 807.5.2.2 Artwork in Corridors. Amend to read: Artwork and teaching 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.

(55) Section 807.5.2.3 Artwork in Classrooms. Amend to read: 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.

(56) Section 807.5.5.2 Artwork in Corridors. Amend to read: Artwork and teaching 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.

(57) Section 807.5.5.3 Artwork in Classrooms. Amend to read: 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.

(58) Section 901.6.1.1 Standpipe Testing. Add section to read: Building owners/managers must maintain and test standpipe systems and FOGs as per NFPA 25 requirements and tagged in accordance with the Texas Administrative Code.

(59) Section 901.6.4 False Alarms and Nuisance Alarms. Add section to read: 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.

(60) 903.2.1.3 "Group A-3." Amend to read: "An automatic sprinkler system shall be provided for fire areas containing Group A-3 occupancies and intervening floors of the building where one of the following conditions exists:

1. The fire area exceeds 12,000 square feet (1115 m²).
2. The fire area has an occupant load of 300 or more.
3. The fire area is located on a floor other than a level of exit discharge serving such occupancies.
4. Any pool hall, billiard parlor or dance hall type occupancies that serves alcohol shall comply with the fire sprinkler requirements for Group A-2 Occupancies in section 903.2.1.2."

(61) Section 903.2.11 Specific buildings areas and hazards. Amend to read: "In all occupancies other than group U an automatic sprinkler system shall be installed for building design or hazards in locations set forth in Sections 903.2.11.1 through 903.2.11.9."

(62) Section 903.2.11.3 Buildings 35 feet or more in height. Amend to read: An automatic sprinkler system shall be installed throughout buildings that have one or more stories other than penthouses in compliance with Section 1511 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.

Exception:

1. One- and two-family dwellings

(63) Section 903.2.11.7 High-Piled Combustible Storage. Add section to read: For any building with a clear height exceeding 12 feet (4572 mm), see Chapter 32 to determine if those provisions apply.

(64) Section 903.2.11.8 Spray Booths and Rooms. Add section to read: New and existing spray booths and spraying rooms shall be protected by an approved automatic fire-extinguishing system

(65) Section 903.2.11.9 "High volume low speed fans in new and existing buildings." Add section to read: "The use of High-Volume low Speed (HVLS) or High-Volume Low Velocity (HVLV) fans in fire sprinkled areas of new and existing buildings shall only be permitted as follows:

1. HVLS fans are permitted in rack storage and palletized storage arrangements up to twenty (20) feet in height in buildings with thirty (30) feet or less ceiling clearance, when Early Suppression Fast Response (ESFR) sprinklers are used to protect the storage array.
2. HVLS fans are permitted in light-hazard and ordinary-hazard occupancies as defined in NFPA 13, Standard for the Installation of Sprinkler Systems.
3. HVLS fans are not permitted in sprinkled areas with palletized storage greater than twelve feet (12) in height protected by control mode sprinklers.
4. In all cases, HVLS fans are required to be designed and installed to shut down automatically on any fire alarm signal. This includes automatic shut down upon sprinkler system water flow alarm or any manual or automatic fire alarm detection device provided in the space.
5. In all cases, the clearance between the HVLS fans and the ceiling sprinklers and the top of storage shall be in compliance with the obstruction and clearance rules of NFPA 13.

Exception: When a technical opinion and report is provided in accordance with Section 104.8.2, the Fire Marshal or his designee shall analyze the opinion and report and may approve the use of HVLS or HVLV fans in additional areas when it is determined that the effectiveness of the fire sprinkler system is not compromised."

(66) Section 903.2.4.2 Group F-1 distilled spirits. Amend to read: An automatic sprinkler system shall be provided throughout a Group F-1 fire area used for the manufacture of distilled spirits involving more than 120 gallons of distilled spirits (>16% alcohol) in the fire area at any one time.

(67) Section 903.2.8.1 "Group R-3." Amend to read: "An automatic sprinkler system installed in accordance with Section 903.3.1.3 shall be permitted in Group R-3 occupancies."

Exceptions:

1. One- and two-family dwellings.
2. FOSTER CARE FAMILY HOME as defined in Section 202 General Definitions.

(68) Section 903.2.8.5 "Group R-2." Add section to read: "An automatic sprinkler system installed in accordance with Section 903.3.1.3 shall be permitted in Group R-3 occupancies."

Exceptions:

1. Construction of one (1) apartment building containing up to four (4) units on a single lot, constructed with a two (2) hour fire separation (With no penetrations) from slab to the underside of the roof between dwelling units, shall not be required to install a fire sprinkler system.

(69) Section 903.2.9.3 Group S-1 distilled spirits or wine. Amend to read: An automatic sprinkler system shall be provided throughout a Group S-1 fire area used for the bulk storage of distilled

spirits or wine involving more than 120 gallons of distilled spirits or wine (>16% alcohol) in the fire area at any one time.

(70) Section 903.2.11.7 Add section 903.2.11.7 Buildings Over 12,000 sq. ft. An automatic sprinkler system shall be installed throughout all buildings excluding one and two family residential, regardless of occupancy classification or use, with a building area 12,000 sq. ft. or greater and in all existing buildings that are enlarged to be 12,000 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 where all of the following conditions apply:

- a. The structure is freestanding.
- b. The structure does not contain any mixed uses, accessory uses, storage rooms, electrical rooms, elevators or spaces used or occupied for anything other than motor vehicle parking.
- c. The structure does not exceed 3 stories.
- d. An approved fire apparatus access road is provided around the entire structure

(71) Section 903.3.1.1.1 Exempt Locations. Delete #4

(72) Section 903.3.1.2 NFPA 13R sprinkler systems. Amend to read: Automatic sprinkler systems in Group R occupancies shall be permitted to be installed throughout in accordance with NFPA 13R where the Group R occupancy meets all of the following conditions:

1. Four stories or less above grade plane.
2. The floor level of the highest story is 35 feet (10668 mm) or less above the lowest level of fire department vehicle access.
3. The floor level of the lowest story is 35 feet (10668 mm) or less below the lowest level of fire department vehicle access.

{remainder of text unchanged.}

(73) Section 903.3.1.2.2 Corridors and balconies Amend to read: Sprinkler protection shall be provided in all corridors and for all balconies. {Delete the rest of this section.}

(74) Section 903.3.1.3 NFPA 130 sprinkler systems. Amend to read: 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.

(75) Section 904.14 Domestic cooking facilities. Amend to read: Cooktops and ranges installed in the following occupancies shall be protected in accordance with Section 904.14.1

1. {text unchanged}

2. {text unchanged}

3. {text unchanged}

4. In Groups B, E F, H, 1-4, M and S where domestic cooking facilities are installed in accordance with the International Building Code.

(76) Section 906.1 Where required. Amend section by deleting Exception 3. {text unchanged}

(77) Section 907.2.1 Group A. Amend to read: 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 where the occupant load is 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.

(78) Section 907.2.3 Group E. Amend to read: A manual fire alarm system that initiates the occupant notification signal utilizing an emergency voice/alarm communication system meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6 shall be installed in Group E 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: {No change to remainder of text.}

(79) Section 907.2.10 Group S. Amend to read: A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group S public- and self-storage occupancies for interior corridors and interior common areas. Visible notification appliances are not required within storage units.

Exception: {No change to remainder of text.}

(80) Section 907.2.13 High-rise buildings; Change exception #3 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.

(81) Section 907.6.3 Initiating device identification. Amend by deleting all four exceptions. The fire alarm system shall identify the specific initiating device address, location, device type, floor level where applicable and status including indication of normal, alarm and supervisory status, as appropriate.

(82) Section 907.6.6 Monitoring Amend by adding a sentence at end of paragraph to read as follows: Fire alarm systems required by this chapter or by the International Building Code shall be monitored by an approved supervising station in accordance with NFPA 72. See 907.6.3 for the required information transmitted to the supervising station.

(83) Section 912.2.1 Visible location. Amend to read: Fire department connections shall be remote and freestanding from the building facing approved fire apparatus access roads, fully visible and recognizable from the street, fire apparatus access road or nearest point of fire department vehicle access or as otherwise approved by the fire code official.

(84) Section 912.2.3 Hydrant Distance. Add section to read: An approved fire hydrant shall be located within 100 feet of the fire department connection as the fire hose lays along an unobstructed path.

(85) Section 1010.2.4 Locks and latches. Amend to read:

In all other occupancies, except where panic hardware is specifically required by another section of this code or the International Building Code, the only permissible locking device on exit doors will be panic hardware, lever type doorknobs, or thumb latch deadbolts.

Exceptions:

Locks and latches shall be permitted to prevent operation of doors where any of the following exist:

1.Places of detention or restraint.

2.In Group I-1, Condition 2 and Group I-2 occupancies where the clinical needs of persons receiving care require containment or where persons receiving care pose a security threat, provided that all clinical staff can readily unlock doors at all times, and all such locks are keyed to keys carried by all clinical staff at all times or all clinical staff have the codes or other means necessary to operate the locks at all times.

3. Where egress doors are used in pairs, approved automatic flush bolts shall be permitted to be used, provided that the door leaf having the automatic flush bolts does not have a doorknob or surface-mounted hardware.

4. Doors from individual dwelling or sleeping units of Group R occupancies having an occupant load of 10 or less are permitted to be equipped with a night latch, dead bolt or security chain, provided such devices are openable from the inside without the use of a key or tool.

5.Fire doors after the minimum elevated temperature has disabled the unlatching mechanism in accordance with listed fire door test procedures.

6. Doors serving roofs not intended to be occupied shall be permitted to be locked, preventing entry to the building from the roof.

7. Other than egress courts, where occupants must egress from an exterior space through the building for means of egress, exit access doors shall be permitted to be equipped with an approved locking device where installed and operated in accordance with all of the following:

7.1. The maximum occupant load shall be posted where required by Section 1004.9. Such sign shall be permanently affixed inside the building and shall be posted in a conspicuous space near all the exit access doorways.

7.2. A weatherproof telephone or two-way communication system installed in accordance with Sections 1009.8.1 and 1009.8.2 shall be located adjacent to not less than one required exit access door on the exterior side.

7.3. The egress door locking device is readily distinguishable as locked and shall be a key-operated locking device.

7.4. A clear window or glazed door opening, not less than 5 square feet (0.46 m²) in area, shall be provided at each exit access door to determine if there are occupants using the outdoor area.

7.5. A readily visible durable sign shall be posted on the interior side on or adjacent to each locked required exit access door serving the exterior area stating: "THIS DOOR TO REMAIN UNLOCKED WHEN THE OUTDOOR AREA IS OCCUPIED." The letters on the sign shall be not less than 1 inch (25.4 mm) high on a contrasting background.

7.6. The occupant load of the occupied exterior area shall not exceed 300 occupants in accordance with Section 1004.

8. Locking devices are permitted on doors to balconies, decks or other exterior spaces serving individual dwelling or sleeping units.

9. Locking devices are permitted on doors to balconies, decks or other exterior spaces of 250 square feet (23.23 m²) or less, serving a private office space (86) Section 1032.2 Reliability. Amend to Read: 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.

(87) Section 1103.5 Sprinkler Systems Amend to read: An automatic sprinkler system shall be provided in existing buildings in accordance with Section 1105.5.1 through 1103.5.7

(88) Section 1103.5.1 Group A-2 Amend to read: Where alcoholic beverages are consumed in a Group A-2 occupancy having an occupant load of 300 or more, the fire area containing the Group A-2 occupancy shall be equipped with an automatic sprinkler system in accordance with Section 903.3.1.1. Fire sprinkler system installation shall be completed within 24 months from date of notification by the fire code official.

(89) Section 1103.5.3 Group I-2 Condition 2. Amend to read: In addition to the requirements of Section 1103.5.2 existing buildings of Group I-2 Condition 2 occupancy shall be equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1. The automatic sprinkler system shall be installed as established by the adopting ordinance 31 January 2023.

(90) Section 1103.5.6 Spray Booths and Rooms. Add section to read: Existing spray booths and spray rooms shall be protected by an approved automatic fire-extinguishing system in accordance with Section 2404.

(91) Section 1103.5.7 Existing R-1, 2, 3, and 4 Occupancies: Add section to read: In R-1, 2, 3, and 4 occupancies where a fire has occurred and displaces more than one occupant, the affected building shall be fire-sprinkled prior to re-occupancy of the unit/building.

(92) Section 1103.7 Fire alarm systems. Amend to read: An approved fire alarm system shall be installed in existing buildings and structures in accordance with Sections 1103.7.1 through 1103.7.7 and provide occupant notification in accordance with Section 907.5 unless other requirements are provided by other sections of this code. {No change to remainder of text.}

(93) Section 1103.7.7 Fire Alarm System Design Standards. Add section to read: 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.

(94) Section 1103.7.7.1 Communication requirements. Add section to read: Refer to Section 907.6.6 for applicable requirements.

(95) Section 1203.1 General. Amend to read: Emergency power systems and standby power systems required by this code or the International Building Code shall comply with Sections 1203.1.1 through 1203.1.10.

(96) Section 1203.1.10 Critical Operations Power Systems (COPS). Add section to read: 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.

(97) Section 1301.1 Vehicular Access. Add section to read:

Fire department vehicular access to all buildings under construction shall be provided at all times.

(98) Section 1301.2 Ground Surface. Add section to read:

In areas where ground surfaces are soft or likely to become soft, hard all-weather surface access roads shall be provided.

(99) Section 1302.1 Trash and Debris. Add section to read:

Combustible trash and debris shall be placed completely within an approved container or removed from the site at the close of each working day.

Section 1303.1 Storage of Flammable or Combustible Liquids or Gasses. Add section to read:

Flammable or combustible liquids or gases shall be stored, handled, and used on the construction site in accordance with the applicable provisions of NFPA 30, NFPA 54, and NFPA 58.

(101) Section 1304.1 Temporary Heating Devices. Add section to read:

Temporary heating devices shall be of an approved type, located away from combustible materials, and attended and maintained by competent personnel.

(102) Section 1305.1 Smoking Prohibited. Add section to read:

Smoking shall be prohibited, except in those areas where approved. Where required by the AHJ, "No Smoking" signs shall be posted.

Section 1306.1 Cutting and Welding Operations. Add section to read:

Cutting and welding operations shall be in accordance with NFPA 51B.

(104) Section 1307.1 Fire Extinguisher Required. Add section to read:

At least one portable fire extinguisher having a rating of at least 10-A:120-B:C shall be within a travel distance of 75 ft (23 m) or less to any point of a building under construction.

(105) Section 1307.2 Use of Fire Extinguisher. Add section to read:

Personnel normally on the construction site shall be instructed in the use of the fire extinguishers provided.

Section 1308.1 Vegetation. Add section to read:

Vegetation shall be modified to mitigate hazardous conditions within 30 ft (9 m) of the foundations prior to the start of construction.

(107) Section 1308.2 Slash and Vegetation. Add section to read:

All slash from vegetation modification and construction debris shall be treated or removed prior to or immediately upon completion of construction.

(108) Section 1308.3 Surface Fuels. Add section to read:

Surface fuels, including native vegetation and plants used for landscaping within the defined landscaping zones, shall be treated or removed.

(109) Section 1308.4 Live Vegetation. Add section to read:

Live vegetation within the fuel modification area shall have dead material removed and shall be thinned.

Section 1308.5 Dead and Downed Fuels. Add section to read:

Dead and downed fuels within 30 ft (9 m) of all buildings shall be removed or treated to maintain the fuel modification area.

(111) Section 1308.6 Vegetation Under Trees. Add section to read:

Vegetation under trees within the fuel modification area shall be maintained at a height that will preclude ground fire from spreading in the tree crown.

(112) Section 1309.1 Skirting. Add section to read:

Permanently located mobile and manufactured homes with an open space beneath shall have a skirt of noncombustible materials, exterior fire-retardant-treated wood, or other ignition-resistant material.

Section 1309.2 Skirting Venting. Add section to read:

Any enclosed space beneath the mobile or manufactured home shall be vented according to 1309.3.

(114) Section 1309.3 Vent and Vest Assemblies. Add section to read:

Vents or vent assemblies shall resist the intrusion of flames and embers according to either of the following:

- (1) Vents and assemblies shall demonstrate the ability to resist the intrusion of flame or embers through the opening when tested in accordance with ASTM E2886/E2886M, Standard Test Method for Evaluating the Ability of Exterior Vents to Resist the Entry of Embers and Direct Flame Impingement, and comply with all of the following:
 - o (a) There shall be no flaming ignition of the cotton material during the ember intrusion test.
 - o (b) There shall be no flaming ignition during the integrity test portion of the flame intrusion test.
 - o (c) The maximum temperature of the unexposed side of the vent shall not exceed 662°F (350°C).
- (2)* Where permitted by the AHJ, vents shall be permitted to be screened with a corrosion-resistant, noncombustible wire mesh, with the mesh opening not to exceed nominal 1/8 in. (3.1 mm) in size.

(115) Section 2401.2 Nonapplicability. Delete this section in its entirety.

(116) Section 3103.3.1 Special amusement area. Delete this section in its entirety.

(117) Table 3206.2; add footnote j to row titled 'High Hazard' and 'Greater than 300,000' to read as follows:

j. High hazard high-piled storage areas shall not exceed 500,000 square feet. A 2-hour fire wall constructed in accordance with Section 706 of the International Building Code shall be used to divide high-piled storage exceeding 500,000 square feet in area.

(118) Section 3307.1 Required access. Amend to read: Approved vehicle access for firefighting and emergency response shall be provided to all construction or demolition sites. Vehicle access shall be provided to within 50 feet (15 240 mm) of temporary or permanent fire department connections. Vehicle access shall be provided by either temporary or permanent roads, capable of supporting vehicle loading under all weather conditions. Vehicle access shall be maintained until permanent fire apparatus access roads are available. When fire apparatus access roads are required to be installed for any structure or development, access shall be approved prior to the time which construction has progressed beyond completion of the foundation of any structure. Whenever the connection is not visible to approaching fire apparatus, the fire department connection shall be indicated by an approved sign.

(119) Section 4104.2 Open-flame Cooking Devices. Amend to read: 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 where 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 pounds (5 containers). All LP-gas containers shall be stored outside, as per Chapter 61.

2. Where buildings, balconies and decks are protected by an approved automatic sprinkler system, and 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). All LP-gas containers shall be stored outside, as per Chapter 61.

3. LP-gas cooking devices having LP-gas container with a water capacity not greater than 2-1/2 pounds [nominal 1-pound (0.454 kg) LP-gas capacity].

(120) Section 4106.6 Add section: "Flammable/Combustible gas containers shall be located and secured on the exterior of the mobile food unit, open to atmosphere or if containers are kept in compartment, said compartment must be separate from the interior food preparation area. Access must be from the exterior of the unit and compartment floor and exterior door must be vented to the atmosphere".

(121) Section 4106.7 Baffles. Add section: "All deep-fat fryers shall have a steel baffle between the fryer and surface flames of an adjacent appliance or shall maintain a 16-inch separation distance. The baffle, if installed, shall be eight inches in height."

(122) SECTION 4107 - "FOOD BOOTHS." Add Sections to read:

(a) "Section 4107.1 "Permits." For permit to operate a food booth, see Section 105.5.53. It shall be unlawful to operate a food booth without a permit.

(b) Section 4107.2 "Fire Protection." One 2A -10 BC fire extinguisher shall be required for all food booths. Booths containing deep fat fryers shall also have a class K portable fire extinguisher for up to four fryers having a maximum cooking medium capacity of 80 pounds each. For every additional group of four fryers having a maximum cooking capacity of 80 pounds each, an additional class K extinguisher will be required. For individual fryers exceeding 6 square feet in surface area, class K extinguishers will be installed in accordance with manufacturers' recommendations. All fire extinguishers shall have a current (within a year) inspection sticker from a licensed extinguisher company or provide proof (such as a store receipt) that the extinguisher was purchased sometime within the last 12 months.

(c) Section 4107.3 "Location." Food booths utilized for cooking shall have a minimum of 10 feet clearance on two sides. Booths shall not be placed in fire lanes unless otherwise approved by the fire code official. Booths shall not be placed within 10 feet of amusement rides or devices.

(d) Section 4107.4 "Cooking equipment location." Barbeque pits shall not be located within 10 feet of combustible materials. Barbeque pits shall not be located under the food booth canopy.

(e) Section 4107.5 "Acceptable Cooking Sources". The following are the only approved cooking sources for food booths:

1. Wood or charcoal

2. Propane
3. Natural Gas
4. Electricity

(f) Section 4107.6 "Generators." Fuel tanks shall be of adequate capacity to permit uninterrupted operation during normal operating hours. Generators shall be isolated from contact with the public. Storage of gasoline is not allowed in or near generators or food booths.

(g) Section 4107.7 "Decorations." All decorative material shall be at least five feet away from any open flame, cooking element, or heat source or be flame resistant.

(h) Section 4107.8 "Escape route." All concession stands shall have a minimum of a 36-inch aisle for emergency escape.

(i) Section 4107.9 "Propane." All equipment used in conjunction with propane tanks must be UL Listed for the purposes in which they will be used. Tanks shall be secured to prevent falling. Tanks shall only be white or aluminum in color. Only one spare tank will be allowed in a food booth. Emptied propane tanks are to be removed from the site immediately after use. Regulators shall be attached to the tanks as close as possible. Tank shutoff valves and/or additional shutoff valves shall be accessible and away from the cooking appliance(s). Propane tanks shall not be within five feet of an ignition source. Propane tanks shall not be located within 10 feet of a building door or window.

(j) Section 4107.10 "Area." A food booth shall consist of an area 10 feet by 10 feet. Extended food booths that exceed 10 feet by 10 feet space and used for cooking will be charged additional fees. These fees will be charged in one hundred square foot increments and any portion thereof."

(123) Section 5601.1.3 Fireworks. Amend as to read: The possession, manufacture, storage, sale, handling, and use of fireworks are prohibited.

Exceptions:

1. Only when approved for fireworks displays, the 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.... {Delete remainder of text.}(124) Section 5704.2.9.6.1 Locations where above ground tanks are prohibited. Amend to read: Storage of Class I and II liquids in above-ground tanks outside of buildings is prohibited within the limits established by law as the limits of districts in which such storage is prohibited without prior written approval from the fire code official.

(125) Section 5704.2.11.4 Leak Prevention. Amend to read: Leak prevention for underground tanks shall comply with Sections 5704.2.11.4.1 and 5704.2.11.4.2 An approved method of secondary containment shall be provided for underground tank and piping systems.

(126) Section 5806.2 Limitations. Amend to read: Storage of flammable cryogenic fluids in stationary containers outside of buildings is prohibited within the limits established by law as the limits of districts in which such storage is prohibited without prior approval from the fire code official.

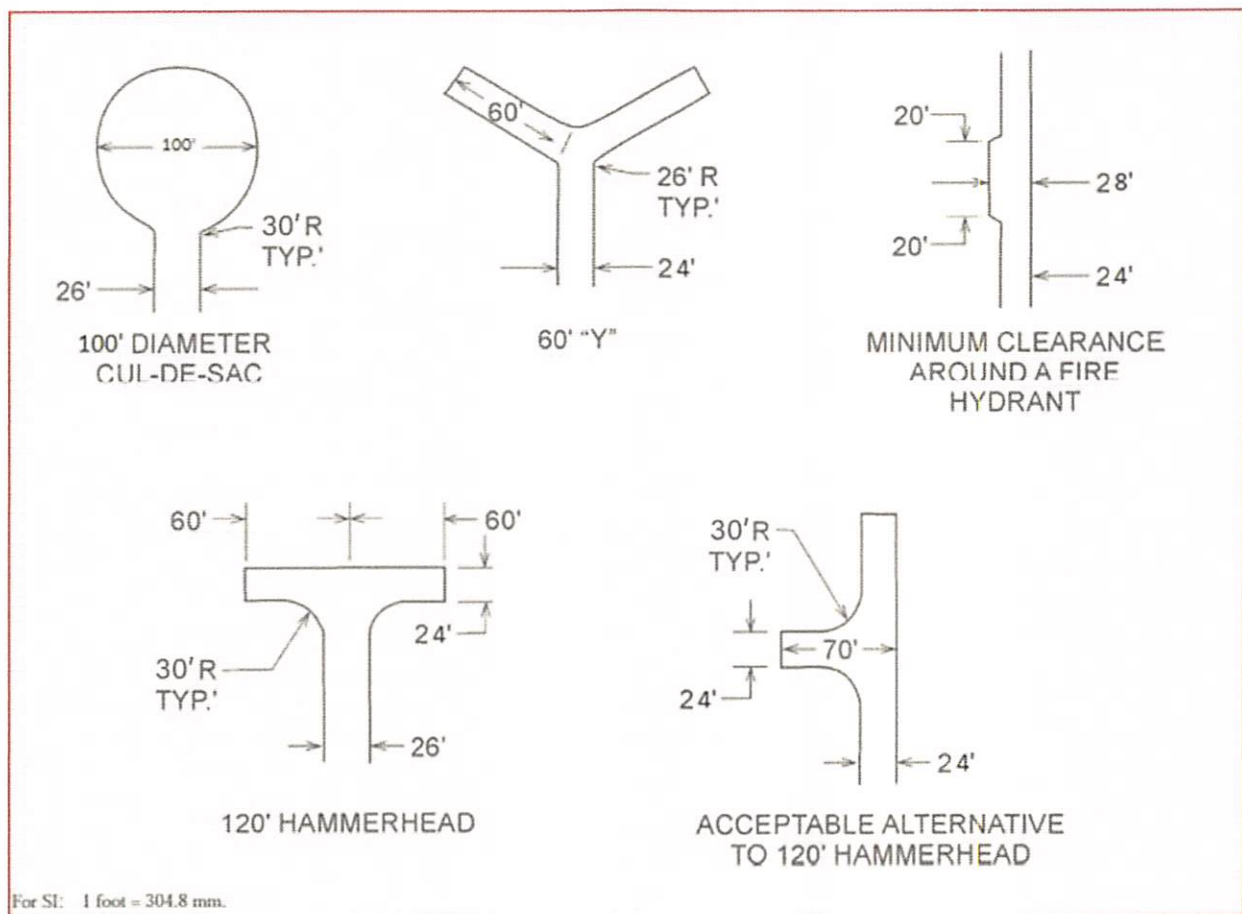
(127) Section 6104.2 Maximum capacity within established limits. Amend to read: Within the limits established by law restricting the storage of liquefied petroleum gas for the protection of heavily populated or congested areas, the aggregate capacity of anyone installation shall not exceed a water capacity of 2,000 gallons (7579 L) without prior written approval from the fire code official.

(128) Appendices A, J, K, M, and O are not adopted.

(129) Appendices B, C, D, E, F, G, H, I L, and P are hereby adopted.

(130) D102.1 Access and loading, Amend to read: Facilities, buildings or portions of buildings hereafter constructed shall be accessible to fire department apparatus by way of an approved fire apparatus access road with an asphalt, concrete or other approved driving surface capable of supporting the imposed load of fire apparatus weighing up to 85,000 pounds (38 556 kg).

(131) Appendix D. "FIRE APPARATUS ACCESS ROADS." Amend accompanying figure D103.1 to show:



(132) "D103.4 Dead ends. Amend to read: Dead-end fire apparatus access roads shall be provided with width and turnaround provisions in accordance with Table D103.4 and 503.2.5.

(133) TABLE D103.4 Amend accompanying table D103.4 to show:

REQUIREMENT FOR DEAD-END FIRE APPARATUS ACCESS Amend to show:

LENGTH (feet)	WIDTH (feet)	TURNAROUNDS REQUIRED
0 - 150	24	120-foot Hammerhead, 60-foot "Y" or 96-foot diameter cul-de-sac in accordance with Figure D103.1
151 - 500	24	120-foot Hammerhead, 60-foot "Y" or 96-foot diameter cul-de-sac in accordance with Figure D103.1
501 - 750	26	120-foot Hammerhead, 60-foot "Y" or 96-foot diameter cul-de-sac in accordance with Figure D103.1
Over 750	Special Approval Required	

For SI: 1 foot = 304.8 mm

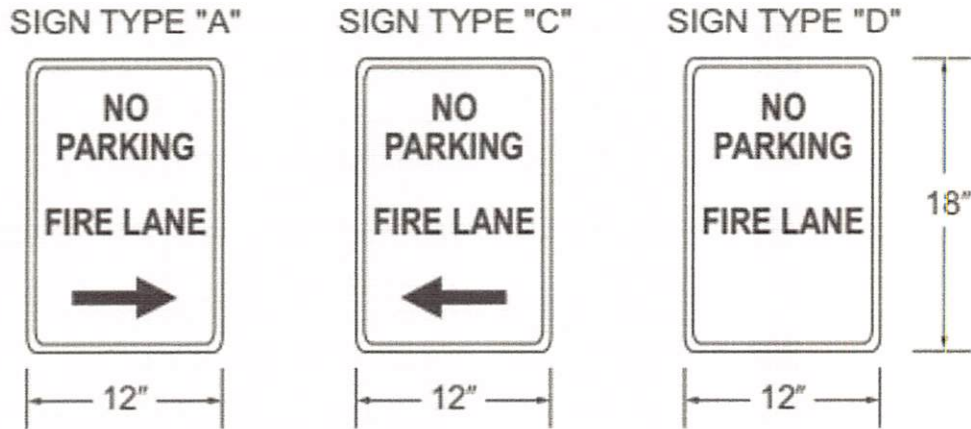
(134) D103.5 Fire apparatus access road gates. Amend to read: Gates securing the fire apparatus access roads shall comply with all of the following criteria:

1. Where a single gate is provided, the gate width shall be not less than 24 feet (7315.2 mm). Where a fire apparatus road consists of a divided roadway, the gate width shall be not less than 12 feet (3658 mm). {No change to remainder of text.}

(135) D103.6 Marking. Amend to read: Striping, signs, or other markings, when approved by the fire code official, shall be provided for fire apparatus access roads to identify such roads or prohibit the obstruction thereof. 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 TOW AWAY ZONE" 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 (See Figure D103.6). Signs shall have red letters on a white reflective background, 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 Code Official or his designee.



**FIGURE D103.6
FIRE LANE SIGNS**

(136) D103.6.1 Roads 20 to 26 feet in width. Delete Section:

(137) D103.6.2 Roads more than 26 feet in width. Amend to read: Fire lane signs as specified in Section D103.6 shall be posted on one side of fire apparatus access roads 26 feet wide (7925 mm) or more and less than 32 feet wide (9754 mm).

(138) D104.3 Remoteness. Amend to read: Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one half of the length of the maximum overall diagonal dimension of the lot or area to be served, measured in a straight line between accesses, or as approved by the fire code official.

(139) D105.3 Proximity to building. Amend to read: Unless otherwise approved by the fire code official, one or more of the required access routes meeting this condition shall be located not less than 15 feet (4572 mm) and not greater than 30 feet (9144 mm) from the building, and shall be positioned parallel to one entire side of the building. The side of the building on which the aerial fire apparatus access road is positioned shall be approved by the fire code official.

(140) D106.3 Remoteness. Amend to read: Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the property or area to be served, measured in a straight line between accesses, or as approved by the fire code official.

(141) D107.2 Remoteness. Amend to read: Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the property or area to be served, measured in a straight line between accesses, or as approved by the fire co

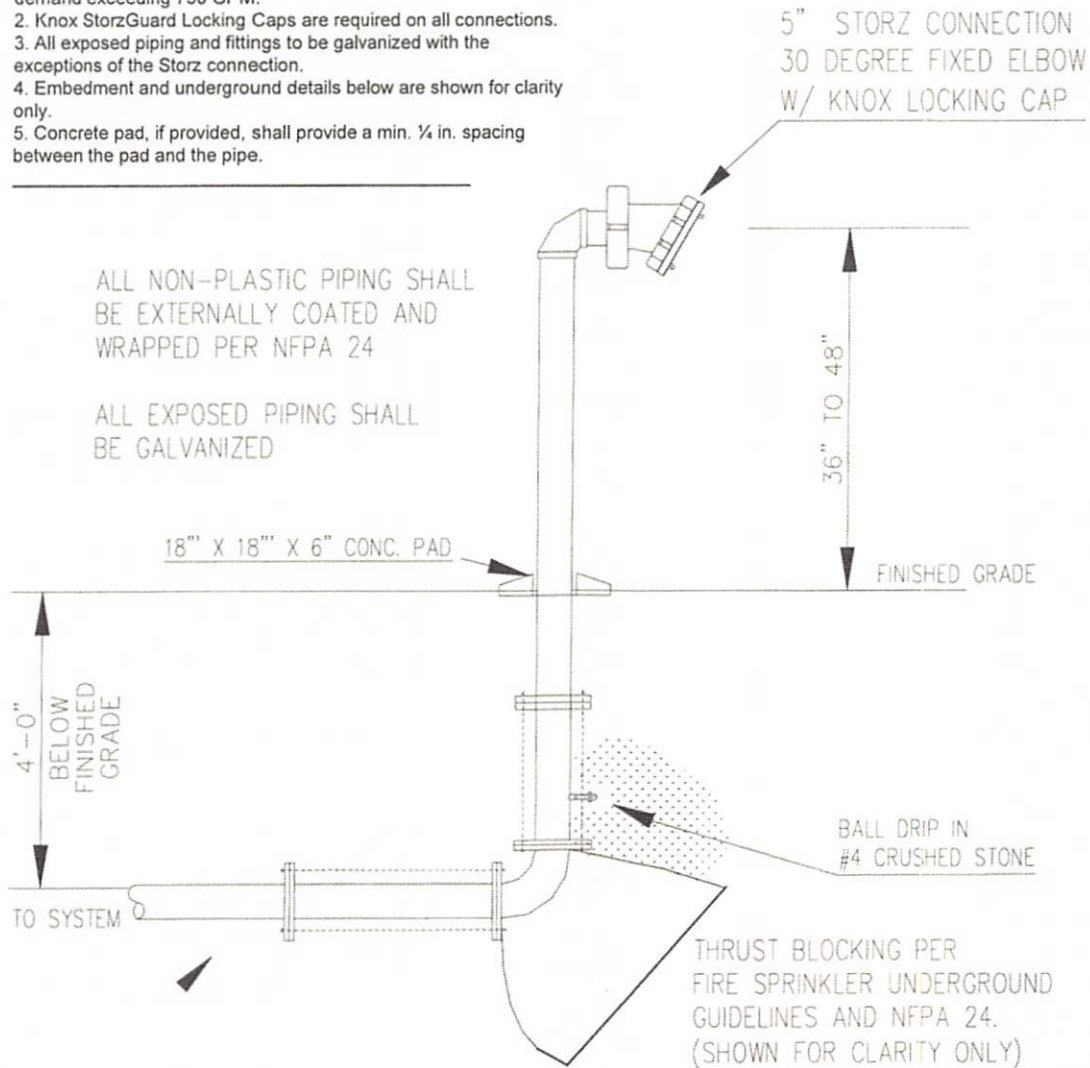
(142) P101.1 Add Remote FDC Detail 912.2.1:


HARKER HEIGHTS FIRE DEPARTMENT REMOTE FDC DETAIL



GENERAL NOTES

1. Minimum pipe size leading to the Storz FDC shall be a minimum of 4 in. A 6 in. minimum is required for all systems with a total demand exceeding 750 GPM.
2. Knox StorzGuard Locking Caps are required on all connections.
3. All exposed piping and fittings to be galvanized with the exceptions of the Storz connection.
4. Embedment and underground details below are shown for clarity only.
5. Concrete pad, if provided, shall provide a min. ¼ in. spacing between the pad and the pipe.



 HARKER HEIGHTS FIRE DEPARTMENT FIRE MARSHAL'S OFFICE	SIZE		DWG NO	REV
	APPROVED: C. MAHLSTEDT	8.5X11	HHFMO FDC 1	
ISSUED	January 2025	SCALE	1 : 1	SHEET 1 OF 1

(K) The National Electrical Code, 2023 Edition (NFPA 70), as promulgated by the National Fire Protection Association, except for the following, which shall amend and change said code only to the extent referenced:

(1) Article 230.70(A)(1) "Readily Accessible Location." Amend to read: "The disconnecting means shall be installed at a readily accessible location outside of the building or structure served, and at the point of entrance of all conductors to the building. The main service disconnect switch shall not be located more than five (5) feet above finished grade."

(2) Article 334.12(A) "Uses Not Permitted." Amend to read: "(A) Types NM, NMC, and NMS. Types NM and NMS cables shall not be used as follows:

1. As open runs in dropped or suspended ceilings in other than one and two family and multi-family dwellings.

2. As service entrance cable.

3. In any of the following types of occupancies:

(a) Apartment houses of two stories of occupancies or greater.

(b) Any commercial building.

(c) Any industrial building.

(d) Educational buildings.

(e) Churches and church accessory structures.

(f) Public buildings.

4. Embedded in poured cement, concrete, or aggregate."

(3) Annexes A, B, C, D, E, F, G, I, and J are adopted.

(4) Annex H is not adopted.