2015 ICC Code Amendments

Ordinance No. 2017-025, 2017-026 & 2017-027
ORDINANCE NO. 2017-025


WHEREAS, the City of Paris has previously adopted the 2006 International Fire Code promulgated by the International Code Council; and

WHEREAS, from time to time, the International Code Council has issued new editions of the International Fire Code reflecting updated standards, the most recent edition having been issued in 2015; and

WHEREAS, the Fire Chief and Fire Marshal of the Paris Fire Department hereby recommend that the City adopt said 2015 edition of the International Fire Code to keep pace with current standards, to ensure the safety of buildings within the City and to enhance the safety and health of the citizens of and visitors to the city; and,

WHEREAS, the City Council deems it to be in the best interest of the City of Paris and its citizens to repeal the existing 2006 Fire Prevention Code and to adopt the 2015 Edition of the International Fire Code as amended with local amendments as set out below;

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

Section 1. The findings set out in the preamble to this ordinance are hereby in all things approved.

Section 2. Sections 12-51, 12-52 and 12-53 of Chapter 12, Article III of the Code of Ordinances of the City of Paris, “Fire Code,” are hereby amended to read in their entirety as follows:

"ARTICLE III. FIRE CODE

Sec. 12-51. Adoption of the 2015 International Fire Code

There is hereby adopted by the City Council of the City of Paris, Texas,
for the purpose of prescribing regulations governing conditions hazardous to
life and property, those certain codes known as the 2015 Edition of the
International Fire Code, Appendices A, B, C, D, E, F, G, H, I, J, K, L and M to the
same extent as if such Code were copied verbatim in this Article subject to
local amendments as set forth in this Article. Copies of the Codes and the
amendments thereto, as referenced herein, are on file in the office of the City
Clerk, City of Paris for permanent record and inspection. These copyrighted
standards and recommendations are adopted and designated as the official
Fire Code of the City of Paris, except to the extent they are in conflict with any
controlling Federal or State law. The standards are published by and are
available from the International Code Council, Country Club Hills, Illinois. A
copy of the 2015 International Fire Code along with a copy of the
amendments adopted herein shall be kept in each of the following locations:
The Paris City Library, the City Clerk's office, the Paris Fire Marshal's office
and the office of the City Engineer and the City's Planning & Development
office.

Sec. 12-52. Definitions.

(a) Jurisdiction shall mean the corporate city limits of the City of Paris,
Texas.

(b) Fire Code Official or Fire Chief shall mean the Fire Marshal of the City of
Paris Fire Department.

(b) Person shall mean any person, firm, partnership, association, corporation
or other legal entity.


The following local amendments repeal or add sections to the 2015
International Fire Code. These amendments shall supersede, replace and/or
supplement the 2015 International Fire Code as follows:

Section 101.1, Title, shall be amended to read as follows:

"These regulations shall be known as the FIRE CODE of the
City of Paris, Texas hereinafter referred to as 'this Code.'"

Section 102.1, subsection 3, Scope, shall be amended to read as follows:

"3. Existing structures, facilities, and conditions when required
in Chapter 11 or in specific sections of this code."

Section 102.4, Application of the Building Code, shall be amended to read as
follows:

"102.4 Application of the Building Code. The design and construction of new structures shall comply with this Code and the other codes as adopted by the City of Paris, Texas; and any alterations, additions, changes in use or changes in structures required by this Code shall be made in accordance therewith."

Section 102.7, Referenced codes and standards, shall be amended to read as follows:

"102.7 Referenced codes and standards. The codes and standards referenced in this Code shall be those that are listed in Chapter 80, and such codes and standards shall be considered part of the requirements of this Code to the prescribed extent of each such reference. Where differences occur between the provisions of this Code and the referenced standards, the provisions of this Code shall apply. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the amendments as well. Any reference to NFPA 70 (National Electrical Code) shall mean the Electrical Code as adopted by the City of Paris."

Section 105.3.3, Occupancy prohibited before approval, shall be amended to read as follows:

"105.3.3 Occupancy prohibited before approval. The building or structure shall not be occupied prior to the fire code official issuing a permit when required and conducting associated inspections indicating the applicable provisions of this code have been met."


Section 105.6.16, Fire hydrants and valves, shall be amended to read as follows:

"105.6.16 Fire hydrants and valves. An operational permit is required to use or operate fire hydrants or valves intended for fire suppression purposes which are installed on water systems and accessible to a fire apparatus access road that is open to or generally used by the public.
"Exceptions:

1. A permit is not required for authorized employees of the City of Paris to use or operate fire hydrants or valves in performance of their duties.

2. A fire permit is not required for a 'meter on a fire hydrant' that is installed in accordance with a building arrangement through the City of Paris Water Billing Department and/or the Lamar County Water Supply District. The Fire Code Official shall be notified of all meters installed on fire hydrants."

Section 105.6.24, Hot work operations, shall be amended to read as follows:

"105.6.24 Hot work operations. An operational permit is required for hot work during public exhibitions and demonstrations."

Section 105.6.32, Open burning, shall be amended to read as follows:

"105.6.32 Open burning. An operational permit is required to kindle or maintain any fire defined as 'open burning' in the city limits of the City of Paris, Texas, with the exception of a "Training Fire" as defined by Section 302.1.

1. Agricultural Burn Permits shall be issued by the Fire Code Official for property that is a minimum of ten acres in size and is zoned agricultural by the City of Paris. An agricultural burn permit will be valid for one (1) full year, and there shall be no fee charged for its issuance. Only brush, limbs, trees and other natural vegetation may be burned at the discretion of the Fire Code Official as long as such material is generated only from that property on which it is to be burned.

2. Standard Burn Permits shall be issued by the Fire Code Official for disposal and recreational fires. Only brush, limbs, trees and clean, untreated lumber may be burned."

Section 105.7, Required construction permits, shall be amended by deleting sections 105.7.2, 105.7.3, 105.7.4, 105.7.5, 105.7.10, 105.7.11, and 105.7.18, and by adding Sec. 105.7.19 as follows:

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

Section 109.3.3, Prosecution of violations, shall be amended to read as follows:

"109.3.3 Prosecution of violations. If the notice of violation is not complied with promptly, the fire code official, his designee, any City of Paris Code Inspector or City of Paris Police Officer is authorized to request the legal counsel of the jurisdiction to institute the appropriate legal proceedings at law and at equity to restrain, correct or abate such violation or to require removal or termination of the unlawful occupancy of a structure in violation of the provisions of this code or of the order or direction made pursuant hereto including but not limited to criminal prosecution as set forth in Section 109.4 herein."

Section 109.4, Violation penalties, is amended to read as follows:

"109.4 Violation penalties. Any person, firm, partnership, corporation or association 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 used under provisions of this code, shall be deemed guilty of a misdemeanor and, upon conviction in the Municipal Court, shall be subject to a fine not to exceed TWO THOUSAND AND $2,000.00 (2,000.00) DOLLARS for each offense, and each and every day such violation continues shall be deemed to constitute a separate and distinct violation. Said violations are strict liability offenses.

Section 111.4, Failure to comply, shall be amended to read as follows:

"111.4 Failure to comply. Any person, who shall continue any work 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 for a fine not to exceed TWO THOUSAND AND $2,000.00 (2,000.00) DOLLARS for each offense, and each and every day such violation continues shall be deemed to constitute a separate and distinct violation. Said violations are strict liability offenses.

Sec 202, General Definitions, is amended to amend or add the following definitions to read as follows:

"ADDRESSABLE FIRE DETECTION SYSTEM. Any system capable of providing identification of each individual alarm-initiating device. The identification shall be in plain English and as descriptive as possible to specifically identify the location of the device in alarm. The system shall have
the capability of alarm verification."

"[B] AMBULATORY CARE FACILITY. Buildings or portions thereof used to provide medical, surgical, psychiatric, nursing, or similar care on a less than 24-hour basis to persons who are rendered incapable of self-preservation by the services provided. This group may include but not be limited to the following:

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

"ANALOG INTELLIGENT ADDRESSABLE FIRE DETECTION SYSTEM. Any system capable of calculating a change in value by directly measurable quantities (voltage, resistance, etc.) at the sensing point. The physical analog may be conducted at the sensing point or at the main control panel. The system shall be capable of compensating for long-term changes in sensor response while maintaining a constant sensitivity. The compensation shall have a preset point at which a detector maintenance signal shall be transmitted to the control panel. The sensor shall remain capable of detecting and transmitting an alarm while in maintenance alert."

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

"BONFIRE. An outdoor fire utilized for ceremonial purposes. Bonfires shall not be any larger than 20 x 20 x 12 feet prior to ignition and the fuel [fire] shall not be constructed to be higher than twelve (12) feet. The Fire Code Official may allow projections to be higher than twelve (12) feet if, in his opinion, the hazard is not increased by allowing such."

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

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

"Fireworks, 1.4G. Small fireworks devices containing restricted amounts of pyrotechnic composition designed primarily to produce visible or audible effects by combustion. Such 1.4G fireworks which comply with the construction, chemical composition and labeling regulations of the DOTn for Fireworks, UN 0336, and the U.S. Consumer Product Safety Commission as set forth in CPSC 16 CFR Parts 1500 and 1507, are not explosive materials for the purpose of this code.

"Fireworks, 1.3G. Large fireworks devices, which are explosive materials, intended for use in fireworks displays and designed to produce audible or visible effects by combustion, deflagration or detonation. Such 1.3G fireworks include, but are not limited to, firecrackers containing more than 130 milligrams (2 grains) of explosive composition, aerial shells containing more than 40 grams of pyrotechnic composition and other display pieces which exceed the limits for classification as 1.4G fireworks. Such 1.3G fireworks are also describe as Fireworks, UN 0335 by the DOTn.”

“HIGH-PILED COMBUSTIBLE STORAGE. Storage of combustible materials in closely packed piles or combustible materials on pallets, in racks or on shelves where the top of storage is greater than 12 feet (3658 mm) in height. Where required by the fire code official, high-piled combustible storage also includes certain high-hazard commodities, such as rubber tires, Group A plastics, flammable liquids, idle pallets and similar commodities, where the top of storage is greater than 6 feet (1829 mm) in height.

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

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

“OPEN BURNING. The burning of materials wherein products of combustion are emitted directly into the ambient air without passing through a stack or chimney from an enclosed chamber. Open burning does not include road flares, smudge pots and similar devices associated with safety or occupational uses typically considered open flames, or use of portable outdoor fireplaces. For the purpose of this definition, a chamber shall be regarded as enclosed when, during the time combustion occurs, only apertures, ducts, stacks, flues or chimneys necessary to provide combustion air and permit the escape of exhaust gas are open. Recreational fires and bonfires are types of open burning.”

“REPAIR GARAGE. A building, structure or portion thereof used for servicing or repairing motor vehicles. This occupancy shall also include garages involved in minor repair, modification and servicing of motor vehicles for items such as lube changes, inspections, windshield repair or replacement, shocks, minor part replacement, and other such minor repairs.”

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

“STANDBY PERSONNEL. Qualified fire service personnel, approved by the Fire Chief, whose only duty shall be to perform constant patrols of the protected premises and keep watch for fire. When utilized, the number required shall be as directed by the Fire Code Official. Charges for utilization shall be as normally calculated by the jurisdiction.”

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

- Replacing one single board or fire alarm control unit component with a newer model
- Installing a new fire alarm control unit in addition to or in place of an existing one
• Conversion from a horn system to an emergency voice/alarm communication system
• Conversion from a conventional system to one that utilizes addressable or analog devices
“The following are not considered an upgrade or replacement:
• Firmware updates
• Software updates
• Replacing boards of the same model with chips utilizing the same or newer firmware”

Section 307.1, General, shall be amended to read as follows:

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

“Exception: Prescribed burning for the purpose of reducing the impact of wildland fire when authorized by the fire code official.”

Section 307.2, Permit required, shall be amended to read as follows:

“307.2 Permit required. 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 a bonfire. 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.”

Section 307.2, Permit required, shall be amended to add subsection 307.2.2, Restricted outdoor burning, to read as follows:

“307.2.2 Restricted outdoor burning. It shall be unlawful for a person to ignite or burn materials when the Fire Code Official or other proper authority has determined a 'No Burn Day.'"
Section 307.3, Extinguishment authority, shall be amended to read as follows:

“307.3 Extinguishment authority. The fire code official is authorized to order the extinguishment by the permit holder, another person responsible or the fire department of open burning that creates or adds to a hazardous or objectionable situation.”

Section 307.4, Location, shall be amended to read as follows:

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

“Exceptions:

1. Fires in approved containers that are not less than 15 feet (4572 mm) from a structure.
2. For recreational fires, the minimum required distance from a structure shall be 25 feet (7620 mm) where the pile size is 3 feet (914 mm) or less in diameter and 2 feet (610 mm) or less in height.
3. For disposal fires, the minimum required distance shall be 150 feet from structures that are under the legal control of the permit holder, provided that such qualifying structures contain no sensitive receptors and have an exterior surface made entirely of noncombustible material.
4. The Fire Code Official may reduce the required distance in circumstances where he deems it safe to do so. This exception does not apply to disposal fires.”

Section 307.4.1, Bonfires, and Section 307.4.2, Recreational fires, shall be deleted.

Section 307.4.3, Portable outdoor fireplaces, shall be amended to read as follows:

“307.4.3 Portable outdoor fireplaces. Portable outdoor fireplaces shall be used in accordance with the manufacturer’s instructions and shall not be operated within 15 feet (3048 mm) of a structure or combustible material.

“Exceptions:

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

Section 307.4, Location, shall be amended to add Sections 307.4.4, Permanent Outdoor Firepit, and 3.07.4.5, Trench Burns, as follows:

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

“Exception: Permanently installed outdoor fireplaces constructed in accordance with the International Building Code.”

“307.4.5 Trench Burns. Trench burns shall be conducted in air curtain trenches and in accordance with Section 307.2.”

Section 307.5, Attendance, shall be amended to read as follows:

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

Section 308.1.4, Open-flame cooking devices, shall be amended to read:

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

“Exceptions:

“1. One- and two-family dwellings, except that LP-gas containers are limited to a water capacity not greater than 50 pounds (22.68 kg) [nominal 20 pound (9.08 kg) LP-gas capacity] with an aggregate LP-gas capacity not to exceed 100 lbs (5 containers).

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

Section 308.1.6.2, Portable fueled open-flame devices, Exception #3, shall be amended to read as follows:

“Exceptions:

...  

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

...

Section 308.1.6.3, Sky lanterns, shall be amended to read as follows:

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

Section 311.5, Placards, shall be amended to read as follows:

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

Section 403.5; Group E Occupancies, shall be amended to read as follows:

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

Section 404.2.2, Fire Safety Plans, shall be amended by adding Section 404.2.2.4.10 as follows:

4.10 Fire extinguishing system controls.

Section 405.4, Time, shall be amended to read:

405.4 Time. The fire code official may require an evacuation drill at
any time. Drills shall be held at unexpected times and under varying conditions to simulate the unusual conditions that occur in case of fire.

Section 501.4; change to read as follows:

501.4 Timing of Installation. When fire apparatus access roads or a water supply for fire protection is required to be installed for any structure or development, they shall be installed, tested, and approved prior to the time of which construction has progressed beyond completion of the foundation of any structure.

Section 503.1.1, Buildings and facilities, shall be amended to read as follows:

"503.1.1 Buildings and facilities. Approved fire apparatus access roads shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction. The fire apparatus road shall comply with the requirements of this section and shall extend to within 150 feet (45 720 mm) of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building or facility. Except for one- or two-family dwellings, the path of measurement shall be along a minimum of a ten feet (10') wide unobstructed pathway around the external walls of the structure.

"Fire lanes provided during the platting process shall be so indicated on the plat. Where fire lanes currently exist, the limits of the fire lane shall be shown on a site plan or plat and placed on permanent file with the Fire Marshal and City Engineer.

"No owner or person in charge of any premises served by a fire lane or access easement shall abandon, restrict or close any fire lane or easement without first securing from the City of Paris approval of an amended plat or other acceptable legal instrument showing removal of the fire lane."

The "Exceptions" to Section 503.1.1 shall remain as written.

Section 503.2.1, Dimensions, shall be amended to read as follows:

"503.2.1 Dimensions. Fire apparatus access roads shall have an unobstructed width of not less than 24 feet (7315 mm), exclusive of shoulders, except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than 14 feet (4267 mm)."
“Exception: Vertical clearance may be reduced; provided such reduction does not impair access by fire apparatus and approved signs are installed and maintained indicating the established vertical clearance when approved.”

Section 503.2.2, Authority, shall be amended to read as follows:

“503.2.2 Authority. The fire code official shall have the authority to require an increase in the minimum access widths and vertical clearances where they are inadequate for fire or rescue operations or where necessary to meet the public safety objectives of the jurisdiction.”

Section 503.2.3, Surface, shall be amended to read as follows:

“503.2.3 Surface. Fire apparatus access roads shall be designed and maintained to support imposed loads of 80,000 Lbs for fire apparatus and shall be surfaced so as to provide all-weather driving capabilities.”

Section 503.3, Marking, shall be amended to read as follows:

“503.3 Marking. 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” shall appear in four inch (4”) white letters at 25 feet intervals on the red border markings along both sides of the fire lanes. Where a curb is available, the striping shall be on the vertical face of the curb.

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

Section 503.4, Obstruction of fire apparatus access roads, shall be amended to
read as follows:

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

Section 505.1, Address identification, shall be amended to read as follows:

"505.1 Address Identification. New and existing buildings shall be provided with approved address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be not less than 6 inches (152.4 mm) high with a minimum stroke width of 1/2 inch (12.7 mm). Where required by the fire code official, address 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 3 ½ inches (88.9 mm) in height and a color contrasting with the background clearly visible and legible from the street fronting the property and rear alleyway where such alleyway exists."

Section 506.1, Where required, shall be amended to add section 506.1.3, to read as follows:

"506.1.3. An approved key box shall be provided on each nonresidential occupancy with a fire alarm system or fire sprinkler system. The key box shall contain keys for each locked doorway within the buildings and each elevator. The keys shall be identified as to the corresponding locks."
Section 507.4, Water Supply test, is amended to read as follows:

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

Section 507.5.1, Where required, shall be amended to read as follows:

"507.5.1 Where required. Where a portion of the facility or building hereafter constructed or moved into or within the City of Paris is more than 400 feet from a hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the Fire Code Official.

"507.5.1.2 Protected properties. Fire hydrants required to provide a supplemental water supply for automatic fire protection systems shall be within 100 feet of the fire department connection for such systems.

"507.5.1.3 Fire hydrant locations. Fire hydrants shall be located 2 feet to 6 feet back from the curb or fire lane and shall not be located in the bulb of a cul-de-sac."

Section 507.5.4, Obstruction, shall be amended to read as follows:

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

*Section 509.1, Identification*, shall be amended to add Section 509.1.2, *Sign Requirements*, as follows:

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

*In Section 603.3.2.1, Quantity Limits*, the *Exception* shall be amended to read as follows:

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

*Section 603.3.2.2, Restricted use and connection*, shall be amended to read as follows:

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

*Section 604, EMERGENCY AND STANDBY POWER SYSTEMS*, shall be amended to read as follows:

"**604.1 General.** Emergency power systems and standby power systems required by this code or the International Building Code shall comply with Sections 604.1.1 through 604.1.8.

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

"**604.1.2 Installation.** Emergency power systems and standby power systems shall be installed in accordance with the International Building Code, NFPA 70, NFPA 110 and NFPA 111. Existing installations shall be maintained in accordance with the original approval, except as specified in Chapter 11."
There are no changes to Sections 604.1.3 through 604.1.8.

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

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

There are no changes to Sections 604.2.1 through 604.2.3.

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

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

There are no changes to Secs. 604.2.5 through 604.2.11

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

**604.2.13 Membrane Structures.** Emergency power shall be provided for exit signs in temporary tents and membrane structures in accordance with Section 3103.12.6.1. (90 minutes) Standby power shall be provided for auxiliary inflation systems in permanent membrane structures in accordance with Section 2702 of the International Building Code. **(4 hours)** Auxiliary inflation systems shall be provided in temporary air-supported and air-inflated membrane structures in accordance with section 3103.10.4."

There are no changes to Sec. 604.2.14.
“604.2.15 Smoke Control Systems. Standby power shall be provided for smoke control systems in the following occupancies, or as specified elsewhere in this code, as required in Section 909.11:

Underground Buildings, *International Building Code*, Section 405.8
Group I-3, *International Building Code*, Section 408.4.2
Stages, *International Building Code*, Section 410.3.7.2
Special Amusement Buildings (as applicable to Group A’s), *International Building Code*, Section 411.1
Smoke Protected Seating, Section 1029.6.2.1

“604.1.16 Underground Buildings. Emergency and standby power shall be provided in underground buildings as required in Section 405 of the *International Building Code* and shall be in accordance with Section 604.

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

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

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

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

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

“604.2.21 Elimination of Smoke Dampers in Shaft Penetrations. Standby power shall be provided when eliminating the smoke dampers in ducts penetrating shafts in accordance with the *International Building Code*, Section 717.5.3, exception 2.3.
“604.2.22 Common Exhaust Systems for Clothes Dryers. Standby power shall be provided for common exhaust systems for clothes dryers located in multistory structures in accordance with the International Mechanical Code, Section 504.10, Item 7.

“604.2.23 Hydrogen Cutoff Rooms. Standby power shall be provided for mechanical ventilation and gas detection systems of Hydrogen Cutoff Rooms in accordance with the International Building Code, Section 421.8.

“604.2.24 Means of Egress Illumination in Existing Buildings. Emergency power shall be provided for means of egress illumination in accordance with Section 1104.5 when required by the fire code official. (90 minutes in I-2, 60 minutes elsewhere.)"

There are no changes to Sections 604.3 through 604.7.

“604.8 Energy Time Duration. Unless a time limit is specified by the fire code official, in this chapter or elsewhere in this code, or in any other referenced code or standard, the emergency and standby power system shall be supplied with enough fuel or energy storage capacity for not less than 2-hour full-demand operation of the system.

“Exception: Where the system is supplied with natural gas from a utility provider and is approved.”

Section 609.2, Where required, shall be amended to read as follows:

“609.2 Where Required. A Type I hood shall be installed at or above all commercial cooking appliances and domestic cooking appliances used for commercial purposes that produce grease vapors, including but not limited to cooking equipment used in fixed, mobile, or temporary concessions, such as trucks, buses, trailers, pavilions, or any form of roofed enclosure, as required by the fire code official.
“Exceptions:

“1. Tents, as provided for in Chapter 31.
“2. A Type I hood shall not be required for an electric cooking appliance where and approved testing agency provides documentation that the appliance effluent contains 5 mg/m³ or less of grease when tested at an exhaust flow rate of 500 cfm (0.236 m³/s) in accordance with UL 710B.

“Additionally, fuel gas and power provided for such cooking appliances shall be interlocked with the extinguishing system, as required by Section 904.12.2. Fuel gas containers and piping/hose shall be properly maintained in good working order and in accordance with all applicable regulations.”

Section 704.1, Enclosure, shall be amended to read as follows:

“704.1 Enclosure. Interior vertical shafts including, but not limited to, stairways, elevator hoistways, service and utility shafts, that connect two or more stories of a building shall be enclosed or protected in accordance with the codes in effect at the time of construction but, regardless of when constructed, not less than as required in Chapter 11. New floor openings in existing buildings shall comply with the International Building Code.”

Section 807.3, Combustible decorative materials, shall be amended to read as follows:

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

Sections 807.5.2.2, Artwork in corridors, and 807.5.2.3, Artwork in classrooms, shall be amended to read as follows:

“807.5.2.2 Artwork in Corridors. 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.

"807.5.2.3 Artwork in Classrooms. 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."

Sections 807.5.5.2, Artwork in corridors, and 807.5.5.3, Artwork in classrooms, shall be amended to read as follows:

"807.5.5.2 Artwork in Corridors. 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.

"807.5.5.3 Artwork in Classrooms. 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."

Section 901.6.1, Standards, shall be amended to add Section 901.6.1.1, Standpipe testing, as to read as follows:

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

1. The piping between the Fire Department Connection (FDC) and the standpipe shall be backflushed when foreign material is present, and also hydrostatically tested for all FDC’s on any type of standpipe system. Hydrostatic testing shall also be conducted in accordance with NFPA 25 requirements for the different types of standpipe systems.
"2. For any manual (dry or wet) standpipe system not having an automatic water supply capable of flowing water through the standpipe, the tester shall connect hose from a fire hydrant or portable pumping system (as approved by the fire code official) to each FDC, and flow water through the standpipe system to the roof outlet to verify that each inlet connection functions properly. Confirm that there are no open hose valves prior to introducing water into a dry standpipe. There is no required pressure criteria at the outlet. Verify that check valves function properly and that there are no closed control valves on the system.

"3. Any pressure relief, reducing, or control valves shall be tested in accordance with the requirements of NFPA 25. All hose valves shall be exercised.

"4. If the FDC is not already provided with approved caps, the contractor shall install such caps for all FDC's as required by the fire code official.

"5. Upon successful completion of standpipe test, place a blue tag (as per Texas Administrative Code, Fire Sprinkler Rules for Inspection, Test and Maintenance Service (ITM) Tag) at the bottom of each standpipe riser in the building. The tag shall be check-marked as “Fifth Year” for Type of ITM, and the note on the back of the tag shall read “5 Year Standpipe Test” at a minimum.

"6. The procedures required by Texas Administrative Code Fire Sprinkler Rules with regard to Yellow Tags and Red Tags or any deficiencies noted during the testing, including the required notification of the local Authority Having Jurisdiction (fire code official) shall be followed.

"7. Additionally, records of the testing shall be maintained by the owner and contractor, if applicable, as required by the State Rules mentioned above and NFPA 25.

"8. Standpipe system tests where water will be flowed external to the building shall not be conducted during freezing conditions or during the day prior to expected night time freezing conditions.

"9. Contact the fire code official for requests to remove existing fire hose from Class II and III standpipe systems where employees are not trained in the utilization of this firefighting equipment. All standpipe hose valves must remain in place and be provided with an approved
cap and chain when approval is given to remove hose by the fire code official."

Section 901.6, Inspection, testing and maintenance, shall be amended by adding Section 901.6.3, False Alarms and Nuisance Alarms, to read as follows:

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

Section 901.7, Systems out of service, shall be amended to read as follows:

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

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

Section 901.8.2; Removal of existing occupant-use hose lines, shall be amended to read as follows:

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

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

Section 903.1.1, Alternative protection, shall be amended to read as follows:

"903.1.1 Alternative Protection. Alternative automatic fire-extinguishing systems complying with Section 904 shall be permitted in addition to automatic sprinkler protection where recognized by the applicable standard, or as approved by the fire code official."
Section 903.2, Where required, shall be amended to read as follows and to delete the exception:

"903.2 Where required. Approved automatic sprinkler systems in new buildings and structures shall be provided in the locations described in Sections 903.2.1 through 903.2.12.

"Automatic Sprinklers shall not be installed in elevator machine rooms, elevator machine spaces, and elevator hoistways, other than pits where such sprinklers would not necessitate shunt trip requirements under any circumstances. Storage shall not be allowed within the elevator machine room. Signage shall be provided at the entry doors to the elevator machine room indicating 'ELEVATOR MACHINERY - NO STORAGE ALLOWED.'"

Section 903.2.9, Group S-1, shall be amended by adding Section 903.2.9.3, Self-service storage facility, to read as follows:

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

Section 903.2.11, Specific buildings areas and hazards, shall be amended by amending Section 903.2.11.3 and by adding Sections 903.2.11.7, 903.2.11.8, and 903.2.11.9 to read as follows:

"903.2.11.3 Buildings 35 feet or more in height. An automatic sprinkler system shall be installed throughout buildings that have one or more stories, other than penthouses in compliance with Section 1510 of the International Building Code, located 35 feet (1068 mm) or more above the lowest level of fire department vehicle access, measured to the finished floor.

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

Sections 903.2.11.4—903.2.11.6 remain unchanged.

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

"903.2.11.8 Spray Booths and Rooms. New and existing spray booths and spraying rooms shall be protected by an approved automatic fire-extinguishing system."
"903.2.11.9 Buildings Over 6,000 sq. ft. An automatic sprinkler system shall be installed throughout all buildings with a building area 6,000 sq. ft. or greater and in all existing buildings that are enlarged to be 6,000 sq. ft. or greater. For the purpose of this provision, fire walls shall not define separate buildings.

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

Section 903.3.1.1.1, Exempt locations, shall be amended to read as follows:

"903.3.1.1 Exempt Locations. When approved by the fire code official, automatic sprinklers shall not be required in the following rooms or areas where such rooms or areas are protected with an approved automatic fire detection system in accordance with Section 907.2 that will respond to visible or invisible particles of combustion. Sprinklers shall not be omitted from a room merely because it is damp, of fire-resistance-rated construction or contains electrical equipment.

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

Section 903.3.1.2., NFPA 13R sprinkler systems, shall be amended to add Section 9.3.1.2.3, Attics and attached garages, to read as follows: add section to read as follows:

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

Section 903.3.1.3, NFPA 13D sprinkler systems, shall be amended to read as follows:
"903.3.1.3 NFPA 13D Sprinkler Systems. Automatic sprinkler systems installed in one- and two-family dwellings; Group R-3; Group R-4 Condition 1 and townhouses shall be permitted to be installed throughout in accordance with NFPA 13D or in accordance with state law."

Section 903.3, Installation requirements, shall be amended to add Sec. 903.3.1.4, Freeze protection, to read as follows:

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

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

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

"1. The attic sprinklers are supplied by a separate floor control valve assembly to allow ease of draining the attic system without impairing sprinklers throughout the rest of the building, and

"2. Adequate heat shall be provided for freeze protection as per the applicable referenced NFPA standard, and

"3. The attic space is a part of the building's thermal, or heat, envelope, such that insulation is provided at the roof deck, rather than at the ceiling level.

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

Section 903.3.5, Water supplies, shall be amended to read as follows:

"903.3.5, Water supplies. Water supplies for automatic sprinkler systems shall comply with this section and the standards referenced in Section 903.3.1. The potable water supply shall be protected against backflow in accordance with the requirements of this section and the International Plumbing Code. For connections to public waterworks systems, the water supply test used for design of fire protection systems shall be adjusted to account for seasonal and daily pressure fluctuations based on
information from the water supply authority and as approved by the fire code official.

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

Section 903.3, Installation requirements, shall be amended by adding Section 903.3.9, Automatic sprinkler system room access, to read as follows:

"903.3.9 Automatic sprinkler system room access. The entrance to the riser room or area of fire appurtenances will be labeled."

Section 903.4, Sprinkler system supervision and alarms, shall be amended to add a paragraph after the exceptions, to read as follows:

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

Section 903.4.2, Alarms, shall be amended to add a second paragraph, to read as follows:

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

Section 905.2, Installation standard, shall be amended to read as follows:

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

Section 905.3, Required Installations, shall be amended to add Section 905.3.9, Buildings exceeding 10,000 sq. ft., and exception to read as follows:

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

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

Section 905.4, Location of Class I standpipe hose connections, shall be amended to read as follows:

"905.4 Location of Class I standpipe hose connections. Class I standpipe hose connections shall be provided in all of the following locations:

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

"2. On each side of the wall adjacent to the exit opening of a horizontal exit.

"Exception: Where floor areas adjacent to a horizontal exit are reachable from an interior exit stairway hose connection by a 30-foot (9244 mm) hose stream nozzle attached to 100 feet (30480 mm) of hose, a hose connection shall not be required at the horizontal exit.

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

"Exception: Where floor areas adjacent to an exit passageway are reachable from an exit stairway hose connection by a 30-foot (9144 mm) hose stream for a nozzle attached to 100 feet (30480 mm) of hose, a hose connection shall not be required at the entrance from the exit passageway to other areas of the building.

"4. In covered mall buildings, adjacent to each exterior public entrance to the mall and adjacent to each entrance from an exit passageway or exit corridor to the mall. In open mall buildings, adjacent to each public entrance to the mall at the perimeter line and adjacent to each entrance from an exit passageway or exit corridor to the mall.
“5. Where the roof has a slope less than four units vertical in 12 units horizontal (33.3-percent slope), each standpipe shall be provided with a two-way hose connection located to serve the roof or at the highest landing of an exit stairway with stair access to the roof provided in accordance with Section 1011.12.

“6. Where the most remote portion of a nonsprinklered floor or story is more than 150 feet (45 720 mm) from a hose connection or the most remote portion of a sprinklered floor or story is more than 200 feet (60 960 mm) from a hose connection, the fire code official is authorized to require that additional hose connections be provided in approved locations.

“7. When required by this Chapter, standpipe connections shall be placed adjacent to all required exits to the structure and at two hundred feet (200') intervals along major corridors thereafter, or as otherwise approved by the fire code official.”

Section 905.9, Valve supervision, shall be amended to add a second paragraph after the exceptions to read as follows:

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

Section 907.1, General, shall be amended to add Section 907.1.4, Design standards, to read as follows:

“907.1.4 Design Standards. Where a new fire alarm system is installed, the devices shall be addressable. Fire alarm systems utilizing more than 20 smoke detectors shall have analog initiating devices.”

Section 907.2.1, Group A, shall be amended to read as follows:

“907.2.1 Group A. A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group A occupancies having an occupant load of 300 or more persons or more than 100 persons above or below the lowest level of exit discharge. 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. Manual fire alarm boxes are not required where the building is equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 and the occupant notification appliances will activate throughout the notifications upon sprinkler water flow.

"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."

Section 907.2.3, Group E, shall be amended in part to read as follows:

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

"Exceptions:

"1. A manual fire alarm system is not required in Group E occupancies with an occupant load of 50 or less.

"1.1 Residential In-Home day care with not more than 12 children may use interconnected single station detectors in all habitable rooms. (For care of more than five children 2 1/2 or less years of age, see Section 907.2.6.)"

There are no changes to the remainder of the exceptions.

In Section 907.2.13, High-rise buildings, Exception 3 shall be amended 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."

Section 907.4.2, Manual fire alarm boxes, shall be amended to add Section 907.4.2.7, Type, to read as follows:

"907.4.2.7 Type. Manual alarm initiating devices shall be an approved double action type."

Section 907.5.2.1, Audible alarms, shall be amended by adding Section 907.5.2.1.3, Water-flow notification, to read as follows:

"907.5.2.1.3 Water-flow notification. When required by section 903.4.2, an exterior audible and visible notification device shall be provided on the exterior of the building and shall be located above the Fire Department Connection. The notification device shall operate on a water-flow alarm only, shall be non-silenceable and shall continue to flash after the panel is silenced on the condition the alarm was a water-flow alarm only. The notification device shall be wired from the fire alarm control panel as a latching circuit."

Section 907.6.1, Wiring, shall be amended by adding Section 907.6.1.1, Wiring Installation, to read as follows:

"907.6.1.1 Wiring Installation. All fire alarm systems shall be installed in such a manner that a failure of any single initiating device or single open in an initiating circuit conductor will not interfere with the normal operation of other such devices. All signaling line circuits (SLC) shall be installed in such a way that a single open will not interfere with the operation of any addressable devices (Class A). Outgoing and return SLC conductors shall be installed in accordance with NFPA 72 requirements for Class A circuits and shall have a minimum of four feet separation horizontal and one foot vertical between supply and return circuit conductors. The initiating device circuit (IDC) from a signaling line circuit interface device may be wired Class B, provided the distance from the interface device to the initiating device is ten feet or less."

Section 907.6.3, Initiating device identification, shall be amended to delete all four Exceptions.

Section 907.6.6, Monitoring, shall be amended to read as follows:
"907.6.6 Monitoring. 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. [F] See 907.6.3 for the required information transmitted to the supervising station."

The Exceptions will remain unchanged.

Section 909, SMOKE CONTROL SYSTEMS, shall be amended to add Section 909.22, Stairway or Ramp Pressurization Alternative, to read as follows:

"909.22 Stairway or Ramp Pressurization Alternative. Where the building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 and the stair pressurization alternative is chosen for compliance with Building Code requirements for a smokeproof enclosure, interior exit stairways or ramps shall be pressurized to a minimum of 0.10 inches of water (25 Pa) and a maximum of 0.35 inches of water (87 Pa) in the shaft relative to the building measured with all interior exit stairway and ramp doors closed under maximum anticipated conditions of stack effect and wind effect. Such systems shall comply with Section 909, including the installation of a separate fire-fighter's smoke control panel as per Section 909.16, and a Smoke Control Permit shall be required from the fire department as per Section 105.7.

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

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

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

"3. Equipment, control wiring, power wiring and ductwork shall be located within the building if separated from the remainder of the building, including other mechanical equipment, by not less than 2-hour fire barriers constructed in accordance with Section 707 of the Building Code or horizontal assemblies constructed in accordance with Section 711 of the Building Code, or both.

"Exceptions:

"1. Control wiring and power wiring utilizing a 2-hour rated cable or cable system.

"2. Where encased with not less than 2 inches (51 mm) of concrete.

"3. Control wiring and power wiring protected by a listed electrical circuit protective systems with a fire-resistance rating of not less than 2 hours.

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

"909.22.1.3 Acceptance and Testing. Before the mechanical equipment is approved, the system shall be tested in the presence of the fire code official to confirm that the system is operating in compliance with these requirements."

Section 910.2, Where required, shall be amended to amend Exceptions 2 and 3 to read as follows:

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

"3. Only manual smoke and heat removal shall be required in areas of buildings equipped with control mode special application sprinklers with a response time index of $50(m^*S)^{1/2}$ or less that are listed to control a fire in stored commodities with 12 or fewer sprinklers. Automatic smoke and heat removal is prohibited."
Section 910.2, Where required, shall be amended to add Subsection 910.2.3, Group H, to read as follows:

“910.2.3 Group H. Buildings and portions thereof used as a Group H occupancy as follows:

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

Exception: Buildings of noncombustible construction containing only noncombustible materials.

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

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

Section 910.3, Smoke and heat vents, shall be amended to add Section 910.3.4 to read as follows:

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

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

Exception: Manual only systems per Section 910.2.

910.3.4.2 Nonsprinklered Buildings. Where installed in buildings not equipped with an approved automatic sprinkler system, smoke and heat vents shall operate automatically by actuation of a heat-responsive device rated at between 100°F (56°C) and 220°F (122°C) above ambient.
“Exception: Listed gravity-operated drop out vents.”

Section 910.4.3.1, Makeup air, shall be amended to read as follows:

“910.4.3.1 Makeup Air. Makeup air openings shall be provided within 6 feet [1829 mm] of the floor level. Operation of makeup air openings shall be automatic. The minimum gross area of makeup air inlets shall be 8 square feet per 1,000 cubic feet per minute (0.74 m² per 0.4719 m³/s) of smoke exhaust.”

Section 910.4.4, Activation, shall be amended to read as follows:

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

“Exception: Manual only systems per Section 910.2.”

Section 912.2, Location, shall be amended to add Section 912.2.3, Hydrant Distance, to read as follows:

“912.2.3 Hydrant Distance. An approved fire hydrant shall be located within 100 feet of the fire department connection as the fire hose lays along an unobstructed path.”

Section 913.2.1, Protection of fire pump rooms, shall be amended to read as follows:

“913.2.1 Protection of fire pump rooms. Rooms where fire pumps are located shall be separated from all other areas of the building in accordance with Section 913.2.1 of the International Building Code. When located on the ground level at an exterior wall, the fire pump room shall be provided with an exterior fire department access door that is not less than 3 ft. in width and 6 ft. – 8 in. in height, regardless of any interior doors that are provided. A key box shall be provided at this door, as required by Section 506.1.

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

36
Section 914.3.1.2, *Water supply to required fire pumps*, shall be amended to read as follows:

"914.3.1.2 Water Supply to required fire pumps. In buildings that are more than 120 feet (128 m) in building height, required fire pumps shall be supplied by connections to no fewer than two water mains located in different streets. Separate supply piping shall be provided between each connection to the water main and the pumps. Each connection and the supply piping between the connection and the pumps shall be sized to supply the flow and pressure required for the pumps to operate.

"Exception: Two connections to the same main shall be permitted provided the main is valved such that an interruption can be isolated so that the water supply will continue without interruption through no fewer than one of the connections."

Section 1006.2.2, *Egress based on use*, shall be amended to add a new Section 1006.2.2.6, *Electrical Rooms*, to read as follows:

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

Section 1009.1, *Accessible means of egress required*, shall be amended to add the following Exception 4:

"Exceptions:

..."

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

Section 1010.1.9.4, *Bolt Locks shall be amended to amend Exceptions 3 and 4 to read as follows*:

"Exceptions:

...

3. Where a pair of doors serves an *occupant load* of less than 50 persons in a Group B, F, M or S occupancy, manually operated edge- or surface-mounted bolts are permitted on the inactive leaf."
The inactive leaf shall not contain doorknobs, panic bars or similar operating hardware.

"4. Where a pair of doors serves a Group A, B, F, M or S occupancy, manually operated edge- or surface-mounted bolts are permitted on the inactive leaf provided such inactive leaf is not needed to meet egress capacity requirements and the building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1. The inactive leaf shall not contain doorknobs, panic bars or similar operating hardware.

Section 1015.8, Window Openings, shall be amended to amend subsection 1 to read as follows:

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

Section 1020.1, Construction, shall be amended by adding Exception 6, to read as follows:

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

Section 1029.1.1.1, Spaces under Grandstands and Bleachers, shall be deleted in its entirety.

Section 1031.2, Reliability, shall be amended to read as follows:

"1031.2 Reliability. Required exit accesses, exits and exit discharges shall be continuously maintained free from obstructions or impediments to full instant use in the case of fire or other emergency. An exit or exit passageway shall not be used for any purpose that interferes with a means of egress."

Section 1103.3, Existing elevators, shall be amended to read as follows:

"1103.3 Existing elevators. Existing elevators, escalators and moving walks shall comply with the requirements of Sections 1103.3.1 and 1103.3.2. Provide emergency signage as required by Section 607.3."
Section 1103.5, Sprinkler systems, shall be amended to add Section 1103.5.4, Group A-2 Spray Booths and Rooms, to read as follows:

"1103.5.4 Spray Booths and Rooms. Existing spray booths and spray rooms shall be protected by an approved automatic fire-extinguishing system in accordance with Section 2404."

Section 1103.7, Fire alarm systems, shall be amended by adding Sections 1103.7.8, Fire Alarm System Design Standards, and 1103.7.8.1, Communication requirements, to read as follows:

"1103.7.8 Fire Alarm System Design Standards. Where an existing fire alarm system is upgraded or replaced, the devices shall be addressable. Fire alarm systems utilizing more than 20 smoke and/or heat detectors shall have analog initiating devices.

"Exception: Existing systems need not comply unless the total building, or fire alarm system, remodel or expansion exceeds 30% of the building. When cumulative building, or fire alarm system, remodel or expansion initiated after the date of original fire alarm panel installation exceeds 50% of the building, or fire alarm system, the fire alarm system must comply within 18 months of permit application.

"1103.7.8.1 Communication requirements. Refer to Section 907.6.6 for applicable requirements."

Section 2304.1, Supervision of dispensing, shall be amended to read as follows:

"2304.1 Supervision of Dispensing. The dispensing of fuel at motor fuel-dispensing facilities shall be in accordance with the following:

1. Conducted by a qualified attendant; and/or,

2. Shall be under the supervision of a qualified attendant; and/or

3. Shall be an unattended self-service facility in accordance with Section 2304.3.

At any time the qualified attendant of item Number 1 or 2 above is not present, such operations shall be considered as an unattended self-service facility and shall also comply with Section 2304.3."

Section 2401.2, Nonapplicability, shall be deleted in its entirety.
Table 3206.2, General Fire Protection and Life Safety Requirements, shall be amended to amend footnote j to read as follows:

"j. Where storage areas are protected by either early suppression fast response (ESFR) sprinkler systems or control mode special application sprinklers with a response time index of 50 \((m \cdot s)^{1/2}\) or less that are listed to control a fire in the stored commodities with 12 or fewer sprinklers, installed in accordance with NFPA 13, manual smoke and heat vents or manually activated engineered mechanical smoke exhaust systems shall be required within these areas."

Section 3310.1, Required access, shall be amended to read as follows:

"3310.1 Required access. Approved vehicle access for fire fighting shall be provided to all construction or demolition sites. Vehicle access shall be provided to within 100 feet \((30 \, 480 \, mm)\) 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, they shall be approved prior to the time at which construction has progressed beyond completion of the foundation of any structure.

Section 5601.1.3, Fireworks, shall be amended to read as follows, and Subsection 5601.1.3.1, Seizure, shall be added to read as follows:

"5601.1.3 Fireworks. The possession, manufacture, storage, sale, handling, and use of fireworks are prohibited.

"Exceptions:

"1. Only when approved for fireworks displays, storage, and handling of fireworks as allowed in Section 5604 and 5608.

"2. The use of fireworks for approved fireworks displays as allowed in Section 5608.

"5601.1.3.1 Seizure. The Fire Code Official or his designee, or any peace officer authorized to enforce the Ordinances of the City of Paris, may seize and destroy illegal fireworks prior to a court appearance, and a photograph of such seized and destroyed fireworks will provide sufficient evidence of a violation of Section 3301.1.3 for the Municipal Court."
Section 5703.6, Piping Systems, shall be amended to read as follows:

“5703.6 Piping Systems. Piping systems, and their component parts, for flammable and combustible liquids shall be in accordance with Sections 5703.6.1 through 5703.6.11. An approved method of secondary containment shall be provided for underground tank and piping systems.”

Section 5704.2.9.5, Above-ground tanks inside of buildings, shall be amended to read as follows:

“5704.2.9.5 Above-ground Tanks Inside of Buildings. Above-ground tanks inside of buildings shall comply with Section 5704.2.9.5.1 through 5704.2.9.5.3.

“5704.2.9.5.1 Overfill prevention. Above-ground tanks storing Class I, II and IIIA liquids inside buildings shall be equipped with a device or other means to prevent overflow into the building including, but not limited to: a float valve; a preset meter on the fill line; a valve actuated by the weight of the tank's contents; a low-head pump that is incapable of producing overflow; or a liquid-tight overflow pipe not less than one pipe size larger than the fill pipe and discharging by gravity back to the outside source of liquid or to an approved location. Tanks containing Class IIIB liquids and connected to fuel-burning equipment shall be provided with a means to prevent overflow into buildings in accordance with Section 5704.2.7.5.8

“5704.2.9.5.2 Fill pipe connections. Fill pipe connections for tanks storing Class I, II, and IIIA liquids and Class IIIB liquids connected to fuel-burning equipment shall be in accordance with Section 2704.2.9.7.6.

“5704.2.9.5.3 Combustible liquid storage tanks inside of buildings. The maximum aggregate allowable quantity limit shall be 3,000 gallons (11356 L) of Class II or III combustible liquid for storage in protected aboveground tanks complying with Section 5704.2.9.7 when all of the following conditions are met:

“1. The entire 3,000 gallon (11356 L) quantity shall be stored in protected above-ground tanks;

“2. The 3,000 gallon (11356 L) capacity shall be permitted to be stored in a single tank or multiple smaller tanks;
"3. The tanks shall be located in a room protected by an automatic sprinkler system complying with Section 903.3.1.1; and

"4. Tanks shall be connected to fuel-burning equipment, including generators, utilizing an approved closed piping system.

"The quantity of combustible liquid stored in tanks complying with this section shall not be counted towards the maximum allowable quantity set forth in Table 5003.1.1(1), and such tanks shall not be required to be located in a control area. Such tanks shall not be located more than two stories below grade."

Section 5704.2.11.4, Leak prevention, shall be amended to read as follows:

"5704.2.11.4 Leak prevention. Leak prevention for underground tanks shall comply with Sections 5704.2.11.4.1 through 5704.2.11.4.3. An approved method of secondary containment shall be provided for underground tank and piping systems."

Section 5704.2.11.4.2, Leak detection, shall be amended to read as follows:

"5704.2.11.4.2 Leak detection. Underground storage tank systems shall be provided with an approved method of leak detection from any component of the system that is designed and installed in accordance with NFPA 30 and as specified in Section 5704.2.11.4.3."

Section 5704.2.11.4, Leak prevention, shall be amending by adding Section 5704.2.11.4.3, Observation wells, to read as follows:

"5704.2.11.4.3 Observation wells. Approved sampling tubes of a minimum 4 inches in diameter shall be installed in the backfill material of each underground flammable or combustible liquid storage tank. The tubes shall extend from a point 12 inches below the average grade of the excavation to ground level and shall be provided with suitable surface access caps. Each tank site shall provide a sampling tube at the corners of the excavation with a minimum of 4 tubes. Sampling tubes shall be placed in the product line excavation within 10 feet of the tank excavation and one every 50 feet routed along product lines towards the dispensers, a minimum of two are required."

Section 6103.2.1, Portable containers, shall be amended by adding Section 6103.2.1.8, Jewelry repair, dental labs and similar occupancies, to read as follows:

"6103.2.1.8 Jewelry repair, dental labs and similar occupancies. Where natural gas service is not available, portable LP-Gas containers are
allowed to be used to supply approved torch assemblies or similar appliances. Such containers shall not exceed 20-pound (9.0 kg) water capacity. Aggregate capacity shall not exceed 60-pound (27.2 kg) water capacity. Each device shall be separated from other containers by a distance of not less than 20 feet.”

Section 6104.2, Maximum capacity within established limits, shall be amended to add an exception 2 to read as follows:

“Exceptions:

... 

“2. Except as permitted in Sections 308 and 6104.3.2, LP-gas containers are not permitted in residential areas.”

Section 6104.3, Container location, shall be amended to add Section 6104.3.3, Spas, pool heaters, and other listed devices, to read as follows:

“6104.3.2 Spas, Pool Heaters, and Other Listed Devices. Where natural gas service is not available, an LP-gas container is allowed to be used to supply spa and pool heaters or other listed devices. Such container shall not exceed 250-gallon water capacity per lot. See Table 6104.3 for location of containers.

“Exception: Lots where LP-gas can be off-loaded wholly on the property where the tank is located may install up to 500 gallon above ground or 1,000 gallon underground approved containers.”

Section 6107.4, Protecting containers from vehicles, shall be amended to read as follows:

“6107.4 Protecting Containers from Vehicles. Where exposed to vehicular damage due to proximity to alleys, driveways or parking areas, LP-gas containers, regulators and piping shall be protected in accordance with Section 312.”

Section 6109.13, Protection of containers, shall be amended to read as follows:

“6109.13 Protection of Containers. LP-gas containers shall be stored within a suitable enclosure or otherwise protected against tampering. Vehicle impact protection shall be provided as required by Section 6107.4.”

Footnote a. to Table B105.2 in Appendix B shall be amended to read as follows:
"a. The reduced fire-flow shall be not less than 1,500 gallons per minute."

Section 7. That all provisions of the ordinances of the City of Paris, Texas in conflict with the provisions of this ordinance are hereby repealed, and all other provisions of the ordinances of the City of Paris not in conflict with the provisions of this ordinance shall remain in full force and effect.

Section 8. That the repeal of any ordinance or part of ordinances affected by the enactment of this ordinance shall not be construed as abandoning any action now pending under or by virtue of such ordinance or as discontinuing, abating, modifying, or altering any penalty accruing or to accrue, or as affecting any rights of the municipality under any section or provisions of any ordinance at the time of passage of this ordinance.

Section 9. That it is the intention of the City Council of the City of Paris that this ordinance, and every provision hereof, shall be considered severable, and the invalidity or partial invalidity of any section, clause, or provisions of this ordinance shall not affect the validity of any other portion of this ordinance.

Section 10. That any person violating any provision of this ordinance shall be guilty of a Misdemeanor, and upon conviction, shall be subject to a fine in accordance with provisions of Sec. 1-6 of Chapter One of the City of Paris Code of Ordinances, and each and every day's continuance of any violation of the above-enumerated sections shall constitute and be deemed a separate offense.

Section 11. Any violation of this ordinance can be enjoined by a suit filed in the name of the City of Paris in a court of competent jurisdiction, and this remedy shall be in addition to any penal provision provided for in this ordinance or in the City Code of Ordinances of the City of Paris, Texas.

Section 12. That this ordinance shall become effective from and after its passage and publication as required by law.

PASSED AND ADOPTED on this 16th day of July, 2017.

Cleonne Drake, Mayor Pro Tem

ATTEST:

Janice Ellis, City Clerk
APPROVED AS TO FORM:

Stephanie H. Harris, City Attorney
ORDINANCE NO. 2017-025


WHEREAS, the City of Paris has previously adopted the 2006 International Building Code, the 2006 International Existing Building Code, the 2006 International Residential Code and the 2008 National Electrical Code; and

WHEREAS, the International Code Council has updated its uniform International Codes on several occasions since that time, including in 2015; and

WHEREAS, new and updated building, fire, residential and electrical codes are necessary to properly regulate and govern the conditions and maintenance of all property, buildings and structures; by providing the standards for supplied utilities and facilities and other physical things and conditions essential to ensure that structures are safe, sanitary and fit for occupation and use; and the condemnation of buildings and structures unfit for human occupancy and use and the demolition of such structures in the City of Paris; and,

WHEREAS, the City Engineer and Building Inspector hereby recommends the 2015 International Building Code, the 2015 International Existing Building Code, the 2015 International Residential Code and the 2014 National Electrical Code as the best uniform building and electrical codes to provide uniform guidelines and regulations for all property, buildings and structures by providing the standards for supplied utilities and facilities and other physical things and conditions essential to ensure that structures are safe, sanitary and fit for occupation and use and the condemnation of buildings and structures unfit for human occupancy and use and the demolition of such structures in the City of Paris, Texas; and,

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PARIS, TEXAS:

Section 1. That the findings set out in the preamble to this ordinance are hereby in all things approved.

Section 2. That Article II, Section 7-16 of the Code of Ordinances of the City of Paris shall be and is hereby amended to read as follows:

"Sec. 7-16. Building Codes - Adoption

(a) For purposes of this Section, the following definitions shall apply:

(1) Building Code shall mean the 2015 International Building Code, including any and all amendments, revisions or revised additions to the 2015 International Building Code.

(2) Existing Building Code shall mean the 2015 International Building Code for, including any and all amendments or revisions thereto adopted.

(3) Residential Code shall mean the 2015 International Residential Code, including any and all amendments, revisions or revised additions to the 2015 International Residential Code.

(4) National Electrical Code shall mean the 2014 National Electrical Code published by the National Fire Association, including any and all amendments, revisions or revised additions to the 2014 National Electrical Code adopted.

(b) In conformance with Subchapter G, Chapter 214, Sections 214.211 through 214.214 of the Texas Local Government Code, the 2015 International Building Code, including Appendices C, E, F, G, J, shall be and is hereafter adopted as the Municipal Building Code for the City of Paris. The 2015 International Building Code shall apply to the conditions and maintenance of all property, buildings and structures by providing the standards for supplied utilities and facilities and other physical things and conditions essential to ensure that structures are safe, sanitary and fit for occupation and use for the condemnation of buildings and structures unfit for human occupancy and use and the demolition of such structures in the City of Paris. The City Council may establish procedures to adopt local amendments to the International Residential Code and for the administration and enforcement of the International Residential Code.

(c) In conformance with Subchapter G, Chapter 214, Sections 214.211
through 214.214 of the Texas Local Government Code, the 2015 International Existing Building Code, including Appendices A, B, and C shall be and is hereafter adopted as the Municipal Existing Building Code for the City of Paris. The 2015 International Existing Building Code shall apply to the repair, alteration, change of occupancy, addition and relocation of existing buildings, including historic buildings, in the City of Paris. The City Council may establish procedures to adopt local amendments to the International Residential Code and for the administration and enforcement of the International Residential Code.

(d) In conformance with Subchapter G, Chapter 214, Sections 214.211 through 214.214 of the Texas Local Government Code, the 2015 International Residential Code, including Appendices A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T and U, shall be and is hereafter adopted as the Municipal Residential Building Code for the City of Paris. The 2015 International Residential Code shall apply to all construction, alteration, movement, enlargement, replacement, repair, equipment, location, removal and demolition of detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories in Height with separate means of egress as therein provided in the City of Paris. The City Council may establish procedures to adopt local amendments to the International Residential Code and for the administration and enforcement of the International Residential Code. The International Residential Code shall not apply to the installation and maintenance of electrical wiring and related components.

(e) In conformance with Subchapter G, Chapter 214, Sections 214.211 through 214.214 of the Texas Local Government Code, the 2014 National Electrical Code shall be and is hereafter adopted as the Municipal Residential Electrical Construction Code for the City of Paris. The 2014 National Electrical Code shall apply to all residential electrical construction applications within the City of Paris. The City Council may establish procedures to adopt local amendments to the National Electrical Code and for the administration and enforcement of the National Electrical Code.


Section 3. That Article II, Section 7-18 of the Code of Ordinances of the City of Paris shall be and is hereby amended to read as follows:
"Sec. 7-18. Same – Amendments.

The codes adopted by Section 7-16 are hereby amended as set out in this section:

The 2015 International Building Code, the 2015 International Existing Building Code and the 2015 International Residential Building Codes shall be amended as follows:

Sections 113.4 Violation penalties, shall be amended to read as follows:

A person who shall violate a provision of this Code or who fails to comply herewith or with any of the requirements hereof, or who shall erect, construct, alter or repair, or who has erected, constructed, altered or repaired a building or structure in violation of a detailed statement or plan submitted and approved hereunder, or of a permit or certificate issued hereunder, shall be guilty of a misdemeanor and, upon conviction, shall be fined in any sum not to exceed two thousand dollars ($2,000.00), and each and every day’s continuance of any violation of the provisions of this Code shall constitute and be deemed a separate offense.

The 2015 International Building Code shall be amended as set forth in Exhibit A, which is attached hereto and incorporated by reference as if fully set forth herein.

The 2015 International Existing Building Code shall be amended as set forth in Exhibit B, which is attached hereto and incorporated by reference as if fully set forth herein.

The 2015 International Residential Code shall be amended as set forth in Exhibit C, which is attached hereto and incorporated by reference as if fully set forth herein.

The 2014 National Electrical Code shall be amended as set forth in Exhibit D, which is attached hereto and incorporated by reference as if fully set forth herein.

Section 4. That all provisions of the ordinances of the City of Paris, Texas in conflict with the provisions of this ordinance are hereby repealed, and all other provisions of the ordinances of the City of Paris not in conflict with the provisions of this ordinance shall remain in full force and effect.

Section 5. That the repeal of any ordinance or part of ordinances affected by the enactment of this ordinance shall not be construed as abandoning any action now pending under or by virtue of such ordinance or as discontinuing, abating, modifying, or altering any penalty accruing or to accrue, or as affecting any rights of the municipality under any section or provisions of any ordinance at the time of passage of this ordinance.

Section 6. That it is the intention of the City Council of the City of Paris that this ordinance, and every provision hereof, shall be considered severable, and the invalidity or
partial invalidity of any section, clause, or provisions of this ordinance shall not affect the validity of any other portion of this ordinance.

Section 7. That any person violating any provision of this ordinance shall be guilty of a Misdemeanor, and upon conviction, shall be subject to a fine in accordance with provisions of Sec. 1-6 of Chapter One of the City of Paris Code of Ordinances, and each and every day's continuance of any violation of the above-enumerated sections shall constitute and be deemed a separate offense.

Section 9. That this ordinance shall become effective from and after its passage and publication as required by law.

PASSED AND ADOPTED on this 10th day of July, 2017.

Cleonne Drake, Mayor Pro Tem

ATTEST:

Janice Ellis, City Clerk

APPROVED AS TO FORM:

Stephanie H. Harris, City Attorney
EXHIBIT A:
Amendments to the
2015 International Building Code

The following sections, paragraphs, and sentences of the 2015 International Building Code are hereby amended as follows: Standard type is text from the IBC. Underlined type is text inserted. Lined through type is deleted text from IBC.

Section 101.4, Referenced codes, shall be amended to read as follows:

101.4 Referenced codes. The other codes listed in Sections 101.4.1 through 101.4.8 and referenced elsewhere in this code, when specifically adopted, shall be considered part of the requirements of this code to the prescribed extent of each such reference. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the amendments as well. Any reference to NFPA 70 or the Electrical Code shall mean the Electrical Code as adopted.

Section 101.4, Referenced codes, shall be amended to add Section 101.4.8, Electrical, to read as follows:

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

Section 103, DEPARTMENT OF BUILDING SAFETY, and 103.1, Creation of enforcement agency, shall be amended to read as follows:

DEPARTMENT OF BUILDING SAFETY ENGINEERING, PLANNING & COMMUNITY DEVELOPMENT DEPARTMENT OF THE CITY OF PARIS, TX

103.1 Creation of enforcement agency. The Department of Building Safety BUILDING DEPARTMENT OF THE CITY OF PARIS, TX is hereby created and the official in charge thereof shall be known as the building official.

Section 105.2, Work exempt from permit, under sub-title entitled “Building,” delete items 1, 2, 10 and 11 and re-number as follows:

Building:

1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet (11 m²). (Unchanged)
2. Fences not over 7 feet (1829 mm) high. (Unchanged)
3. 1. (Unchanged)
4. 2. (Unchanged)
5. 3. (Unchanged)
6. 4. (Unchanged)
7. 5. (Unchanged)
8. 6. (Unchanged)
9. 7. (Unchanged)
10. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems. (Unchanged)
11. 8. (Unchanged)
12. 9. (Unchanged)
13. 10. (Unchanged)
Section 109, FEES, shall be amended by adding Section 109.7, Re-inspection fee, to read as follows:

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

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

Any re-inspection fees assessed shall be paid before any more inspections are made on that job site.

Section 109, FEES, shall be amended to add Section 109.8, Work without a permit; Section 109.8.1, Investigation; Section 109.8.2, Fee; and 109.9, Unauthorized cover up fee; to read as follows:

109.8 Work without a permit.

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

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

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

Section 110.3.5, Lath, gypsum board and gypsum panel product inspection, shall be amended to delete the exception as follows:

Exception - Gypsum board and gypsum panel products that are not part of a fire resistance rated assembly or a shear assembly.

Section 202, DEFINITIONS, shall be amended to amend the definition of AMBULATORY CARE FACILITY to read as follows:

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

Section 202, DEFINITIONS, shall be amended to amend the definition of ASSISTED LIVING FACILITIES to read as follows:

ASSISTED LIVING FACILITIES. A building or part thereof housing persons, on a 24-hour basis, who because of age, mental disability or other reasons, live in a supervised residential environment which provides personal care services. The occupants are capable of responding to an emergency situation without physical assistance from staff.
Section 202, DEFINITIONS, shall be amended to amend the definition of ATRIUM to read as follows:

ATRIUM. An opening connecting two three or more stories... (Balance remains unchanged)

Section 202, DEFINITIONS, shall be amended to add the definition of REPAIR GARAGE to read as follows:

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.

Section 202, DEFINITIONS, shall be amended to amend the definition of SPECIAL INSPECTOR to read as follows:

SPECIAL INSPECTOR. A qualified person employed or retained by an approved agency who shall prove to the satisfaction of the registered design professional in responsible charge and approved by the Building Official as having the competence necessary to inspect a particular type of construction requiring special inspection.

Section 202, DEFINITIONS, shall be amended to amend the definition of HIGH-RISE BUILDING to read as follows:

HIGH-RISE BUILDING. A building with an occupied floor located more than 75 55 feet (22-860 mm) 16 764 mm above the lowest level of fire department vehicle access.

Section 303.1.3, Associated with Group E Occupancies, shall be amended to read as follows:

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

Section 304.1, Business Group B, shall be amended to add the following to the list of occupancies:

- Fire stations
- Police stations with detention facilities for 5 or less

Section 307.1.1, Uses other than Group H, shall be amended by amended subsection 4 to read as follows:

4. Cleaning establishments that utilize combustible liquid solvents having a flash point of 140°F (60°C) or higher in closed systems employing equipment listed by and approved testing agency, provided that this occupancy is separated from all other areas of the building by 1-hour fire barriers constructed in accordance with Section 707 or 1-hour horizontal assemblies constructed in accordance with Section 711 or both. See also IFC Chapter 21, Dry Cleaning Plant provisions.

Section 403.1, Applicability, shall be amended by amending Exception 3 to read as follows:

3. The open air portion of a building containing a Group A-5 occupancy in accordance with Section 303.6.

Section 403.3, Automatic Sprinkler System, shall be amended to delete Item 2 of the Exception.

Section 403.3.2, Water supply to required fire pumps, shall be amended to read as follows:

[F] 403.3.2 Water supply to required fire pumps. In buildings that are more than 420 120 feet (36.5 m) in building height, required fire pumps shall be supplied by connections to no fewer than two water mains located in different streets. Separate supply piping shall be provided between each connection to the water main and the pumps. Each connection and the supply piping between the connection and the pumps shall be sized to supply the flow and pressure required for the pumps to operate.
Exception: Two connections to the same main shall be permitted provided the main is valved such that an interruption can be isolated so that the water supply will continue without interruption through no fewer than one of the connections.

Section 404.5, Smoke control, shall be amended by deleting the Exception.

Section 406.3.5.1 Carport separation, shall be amended to read as follows:

406.3.5.1 Carport separation. A separation is not required between a Group R-3 and U carport, provided the carport is entirely open on two or more sides and there are not enclosed areas above. A fire separation is not required between a Group R-2 and U carport provided that the carport is entirely open on all sides and that the distance between the two is at least 10 feet (3048 mm).

Section 506.3.2, Minimum frontage distance, to add Section 506.3.2.1, Open space limits, to read as follows:

506.3.2.1 Open Space Limits. Such open space shall be either on the same lot or dedicated for public use and shall be accessed from a street or approved fire lane. In order to be considered as accessible, if not in direct contact with a street or fire lane, a minimum 10-foot wide pathway meeting fire department access from the street or approved fire lane shall be provided.

Section 712.1.9, Two-story openings, shall be amended to amend item 4 to read as follows:

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

Section 901.6.1, Automatic sprinkler systems, shall be amended to add Section 901.6.1.1, Standpipe testing, to read as follows:

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

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

2. For any manual (dry or wet) standpipe system not having an automatic water supply capable of flowing water through the standpipe, the tester shall connect hose from a fire hydrant or portable pumping system (as approved by the fire code official) to each FDC, and flow water through the standpipe system to the roof outlet to verify that each inlet connection functions properly. Confirm that there are no open hose valves prior to introducing water into a dry standpipe. There is no required pressure criteria at the outlet. Verify that check valves function properly and that there are no closed control valves on the system.

3. Any pressure relief, reducing, or control valves shall be tested in accordance with the requirements of NFPA 25. All hose valves shall be exercised.

4. If the FDC is not already provided with approved caps, the contractor shall install such caps for all FDC's as required by the fire code official.

5. Upon successful completion of standpipe test, place a blue tag (as per Texas Administrative Code, Fire Sprinkler Rules for Inspection, Test and Maintenance Service (ITM) Tag) at the bottom of each standpipe riser in the building. The tag shall be check-marked as "Fifth Year" for Type of ITM, and the note on the back of the tag shall read "5 Year Standpipe Test" at a minimum.

6. The procedures required by Texas Administrative Code Fire Sprinkler Rules with regard to Yellow Tags and Red Tags or any deficiencies noted during the testing, including the required notification of the local Authority Having Jurisdiction (fire code official) shall be followed.
Section 903.1.1, Alternative protection, shall be amended to read as follows:

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

Section 903.2, Where required, shall be amended to read as follows:

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

[F] Section 903.2, Where required, shall be amended to delete the exception.

Section 903.2.9, Group S-1, shall be amended to add Section 903.2.9.3, Self-service storage facility, to read as follows:

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

Section 903.2.11, Specific building areas and hazards, shall be amended by amending 903.2.11.3, Buildings 55 feet or more in height, and by adding Section 903.2.11.7, High-piled combustible storage, and 903.2.11.8, Spray booths and rooms, and 903.2.11.9, Buildings over 6,000 sq. ft., to read as follows:

903.2.11.3 Buildings 55 35 feet or more in height. An automatic sprinkler system shall be installed throughout buildings that have one or more stories with an occupant load of 30 or more, other than penthouses in compliance with Section 1510 of the International Building Code, located 55 35 feet (16 764 10 668 mm) or more above the lowest level of fire department vehicle access, measured to the finished floor.

Exceptions:

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

2. Occupancies in Group F-2.

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

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

903.2.11.9 Buildings Over 6,000 sq. ft. An automatic sprinkler system shall be installed throughout all buildings with a building area 6,000 sq. ft. or greater and in all existing buildings that are enlarged to be 6,000 sq. ft. or greater. For the purpose of this provision, fire walls shall not define separate buildings.
**Exception:** Open parking garages in compliance with Section 406.5 of the International Building Code.

Section 903.3.1.1, Exempt locations, shall be amended to read as follows:

[F] 903.3.1.1 Exempt locations. When approved by the fire code official, automatic sprinklers shall not be required in the following rooms or areas where such rooms or areas are protected with an approved automatic fire detection system in accordance with Section 907.2 that will respond to visible or invisible particles of combustion. Sprinklers shall not be omitted from a room merely because it is damp, of fire-resistance-rated construction or contains electrical equipment.

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

Section 903.3.1.2, NFPA 13R sprinkler systems, shall be amended to add Section 903.3.1.2.3, Attics and attached garages, to read as follows:

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

Section 903.3.1.3, NFPA 13D sprinkler systems, shall be amended to read as follows:

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

Section 903.3.1, Standards, shall be amended to add Section 903.3.1.4, Freeze protection, to read as follows:

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

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

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

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

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

Section 903.3.5, Water supplies, shall be amended to read as follows:
Section 903.3.5 Water supplies. Water supplies for automatic sprinkler systems shall comply with this section and the standards referenced in Section 903.3.1. The potable water supply shall be protected against backflow in accordance with the requirements of this section and the International Plumbing Code. For connections to public waterworks systems, the water supply test used for design of fire protection systems shall be adjusted to account for seasonal and daily pressure fluctuations based on information from the water supply authority and as approved by the fire code official.

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

Section 903.4, Sprinkler systems supervision and alarms shall be amended to add a second paragraph after the Exceptions to read as follows:

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

Section 903.4.2, Alarms, shall be amended to read as follows:

Section 903.4.2. Alarms. An approved audible device, located on the exterior of the building in an approved location, shall be connected to each automatic sprinkler system. Such sprinkler waterflow alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system.

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

Section 905.2, Installation standard, shall be amended to read as follows:

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

Section 905.3, Required installations, shall be amended by adding Section 905.3.9, Buildings exceeding 10,000 sq. ft., and exceptions to read as follows:

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

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

Section 905.4, Location of Class I standpipe hose connections, shall be amended to read as follows:

Section 905.4, Location of Class I standpipe hose connections. Class I standpipe hose connections shall be provided in all of the following locations:

[F] 1. In every required interior exit stairway, a hose connection shall be provided for each story above and below grade plane. Hose connections shall be located at an intermediate landing between stories, unless otherwise approved by the fire code official.
2. On each side of the wall adjacent to the exit opening of a horizontal exit.

Exception: Where floor areas adjacent to a horizontal exit are reachable from an interior exit stairway hose connection by a 30-foot (9144 mm) hose stream from a nozzle attached to 100 feet (30 480 mm) of hose, a hose connection shall not be required at the horizontal exit.
3. In every exit passageway, at the entrance from the exit passageway to other areas of a building.
   **Exception:** Where floor areas adjacent to an exit passageway are reachable from an interior exit stairway hose connection by a 30-foot (9144 mm) hose stream from a nozzle attached to 100 feet (30 480 mm) of hose, a hose connection shall not be required at the entrance from the exit passageway to other areas of the building.

4. In covered mall buildings, adjacent to each exterior public entrance to the mall and adjacent to each entrance from an exit passageway or exit corridor to the mall. In open mall buildings, adjacent to each public entrance to the mall at the perimeter line and adjacent to each entrance from an exit passageway or exit corridor to the mall.

5. Where the roof has a slope less than four units vertical in 12 units horizontal (33.3-percent slope), each standpipe shall be provided with a two-way a-hose connection shall be located to serve the roof or at the highest landing of an interior exit stairway with stair access to the roof provided in accordance with Section 1011.12.

6. Where the most remote portion of a non-sprinklered flor or story is more than 150 feet (45 720 mm) from a hose connection or the most remote portion of a sprinklered floor or story is more than 200 feet (60 960 mm) from a hose connection, the fire code official is authorized to require that additional hose connections be provided in approved locations.

7. When required by this Chapter, standpipe connections shall be placed adjacent to all required exits to the structure and at two hundred feet (200') intervals along major corridors thereafter, or as otherwise approved by the fire code official.

**Section 905.9, Valve supervision, shall be amended to add a second paragraph after the Exceptions to read as follows:**

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

**Section 907.1, General, shall be amended to add Section 907.1.4, Design standards, to read as follows:**

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

**Section 907.2.1, Group A, shall be amended to read as follows:**

[F] 907.2.1 Group A. A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group A occupancies where the having an occupant load due to the assembly occupancy is of 300 or more persons or more than 100 persons above or below the lowest level of exit discharge. Group A occupancies not separated from one another in accordance with Section 707.3.10 of the International Building Code shall be considered as a single occupancy for the purposes of applying this section. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy.

   **Exception:** Manual fire alarm boxes are not required where the building is equipped throughout with an automatic sprinkler system installed in accordance Section 903.3.1.1 and the occupant notification appliances will activate throughout the notification zones upon sprinkler water flow.

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.

**Section 907.2.3, Group E, shall be amended to read as follows:**

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

Exceptions:

1. A manual fire alarm system is not required in Group E occupancies with an occupant load of 50 or less.

   1.1. Residential In-Home day care with not more than 12 children may use interconnected single station detectors in all habitable rooms. (For care of more than five children 2 1/2 or less years of age, see Section 907.2.6.)

   {No change to Exceptions 2-4.}

Section 907.2.13, High Rise Buildings, Exception 3 shall be amended to read as follows:

Section 907.1.13 High Rise Buildings. ...

Exceptions:

...

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

...

Section 907.4.2, Manual fire alarm boxes, shall be amended by adding Section 907.4.2.7, Type, to read as follows:

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

Section 907.6.1, Wiring, shall be amended to add Section 907.6.1.1, Wiring installation, to read as follows:

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

Section 907.6.3, Initiating device identification, shall be amended by deleting all four Exceptions.

Section 907.6.6, Monitoring, shall be amended to read as follows:

[F] 907.6.6 Monitoring. Fire alarm systems required by this chapter or by the International Fire 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.

Exception: {The Exception remains unchanged.}

Section 909, SMOKE CONTROL SYSTEMS, shall be amended to add Section 909.22, Stairway or ramp pressurization alternative, to read as follows:
[F] **909.22 Stairway or ramp pressurization alternative.** Where the building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 and the stair pressurization alternative is chosen for compliance with Building Code requirements for a smokeproof enclosure, interior exit stairways or ramps shall be pressurized to a minimum of 0.10 inches of water (25 Pa) and a maximum of 0.35 inches of water (87 Pa) in the shaft relative to the building measured with all interior exit stairway and ramp doors closed under maximum anticipated conditions of stack effect and wind effect. Such systems shall comply with Section 909, including the installation of a separate fire-fighter’s smoke control panel as per Section 909.16, and a Smoke Control Permit shall be required from the Fire Department as per Section 105.7.

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

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

1. Equipment, control wiring, power wiring and ductwork shall be located exterior to the building and directly connected to the smokeproof enclosure or connected to the smokeproof enclosure by ductwork enclosed by not less than 2-hour fire barriers constructed in accordance with Section 707 of the Building Code or horizontal assemblies constructed in accordance with Section 711 of the Building Code, or both.

2. Equipment, control wiring, power wiring and ductwork shall be located within the smokeproof enclosure with intake or exhaust directly from and to the outside or through ductwork enclosed by not less than 2-hour barriers constructed in accordance with Section 707 of the Building Code or horizontal assemblies constructed in accordance with Section 711 of the Building Code, or both.

3. Equipment, control wiring, power wiring and ductwork shall be located within the building if separated from the remainder of the building, including other mechanical equipment, by not less than 2-hour fire barriers constructed in accordance with Section 707 of the Building Code or horizontal assemblies constructed in accordance with Section 711 of the Building Code, or both.

**Exceptions:**

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

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

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

*Section 910.2, Where required, is amended by amending Exception 2. and Exception 3. to read as follows:*


3. Only manual smoke and heat removal shall not be required in areas of buildings equipped with control mode special application sprinklers with a response time index of 50(m*S)^1/2 or less that are listed to control a fire in stored commodities with 12 or fewer sprinklers. Automatic smoke and heat removal is prohibited.

*Section 910.2, Where required, shall be amended to add subsection 910.2.3. Group H, with Exceptions, to read as follows:*
[F] **910.2.3 Group H.** Buildings and portions thereof used as a Group H occupancy as follows:

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

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

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

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

**Section 910.3,** Smoke and heat vents, shall be amended to add section 910.3.4, Vent operation, to read as follows:

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

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

   **Exception:** Manual only system per 910.2

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

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

**Section 910.4.3.1, Makeup air, shall be amended to read as follows:**

[F] **910.4.3.1 Makeup air.** Makeup air openings shall be provided within 6 feet (1829 mm) of the floor level. Operation of makeup air openings shall be manual or automatic. The minimum gross area of makeup air inlets shall be 8 square feet per 1,000 cubic feet per minute (0.74 m² per 0.4719 m³/s) of smoke exhaust.

**Section 910.4.4, Activation, shall be amended to read as follows:**

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

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

**Section 912.2, Location, shall be amended by adding Section 912.2.3, Hydrant distance, to read as follows:**

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

**Section 913.2.1, Protection of fire pump rooms, shall be amended to add, after the first paragraph and Exceptions, a second paragraph and Exception to read as follows:**

Section 913.2.1 Protection of fire pump rooms. . .
When located on the ground level at an exterior wall, the fire pump room shall be provided with an exterior fire department access door that is not less than 3 ft. in width and 6 ft. – 8 in. in height, regardless of any interior doors that are provided. A key box shall be provided at this door, as required by Section 506.1.

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

Section 1006.2.2., Egress based on use, shall be amended by adding a new Section 1006.2.2.6 as follows:

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

Section 1009.1, Accessible means of egress required, shall be amended by adding the following Exception 4 to read as follows:

1009.1 Accessible means of egress required. . .

{Section 1009.1 and Exceptions 1-3 remain unchanged.}

Exceptions:

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

Section 1010.1.9.4 Bolt Locks, shall be amended to amend Exceptions 3 and 4 as follows:

1010.1.9.4, Bolt locks. . .

{Section 101.1.9.4 and Exceptions 1 and 2 remain unchanged.}

Exceptions:

...  

3. Where a pair of doors serves an occupant load of less than 50 persons in a Group B, F, M or S occupancy, manually operated edge- or surface-mounted bolts are permitted on the inactive leaf. The inactive leaf shall not contain doorknobs, panic bars or similar operating hardware.

4. Where a pair of doors serves a Group A, B, F, M or S occupancy manually operated edge- or surface-mounted bolts are permitted on the inactive leaf provided such inactive leaf is not needed to meet egress capacity requirements and the building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1. The inactive leaf shall not contain doorknobs, panic bars or similar operating hardware.

{Exception 5 remains unchanged.}

Section 1015.8, Window openings, shall be amended to amend subsection 1. To read as follows:

1015.8 Window Openings. . .

1. Operable windows where the top of the sill of the opening is located more than 75 feet (22 860 mm) 55 feet (16 764 mm) above the finished grade or other surface below and that are provided with window fall prevention devices that comply with ASTM F 2006.

{Remainder of Section 1015.8 remains unchanged.}
Section 1020.1 Construction shall be amended by adding Exception 6 to read as follows:

1020.1 Construction. ...

Exceptions:

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

Section 1029.1.1.1, Spaces under grandstands and bleachers shall be deleted in its entirety.

Section 1101.1 Scope, shall be amended by adding the following exception to read as follows:

1101.1 Scope: ...

Exception: Components of projects regulated by and registered with Architectural Barriers Division of Texas Department of Licensing and Regulation shall be deemed to be in compliance with the requirements of this chapter.

Section 1203.1, General, shall be amended to read as follows:

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

Where air infiltration rate in a dwelling unit is less than 5 air changes or less per hour when tested with a blower door at a pressure 0.2 inch w.c. (50 Pa) in accordance with Section 402.4.2.1.2 of the International Energy Conservation Code, the dwelling unit shall be ventilated by mechanical means in accordance with Section 403 of the International Mechanical Code.

Table 1505.1, Minimum Roof Covering Classification For Types of Construction shall be amended to delete footnote c in its entirety and to replace footnote b to read as follows:

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

c. [delete]

Section 1505.7, Special purpose roofs, shall be deleted in its entirety.

Section 1511.1, General, shall be amended to read as follows, with the text of the Exception to remain unchanged:

1511.1 General. Materials and methods of applications used for recovering or replacing an existing roof covering shall comply with the requirements of Chapter 15. All individual replacement shingles or shakes shall be in compliance with the rating required by Table 1505.1.

(Text of the Exceptions remain unchanged.)

Section 1704.2, Special inspections and tests, is amended to read as follows:

1704.2 Special inspections and tests. Where application is made to the Building Official for construction as specified in Section 105, the owner or the owner’s authorized agent, or the registered design professional in responsible charge, other than the contractor, shall employ one or more approved
agencies to provide special inspections and tests during construction on the types of work listed under Section 1705 and identify the approved agencies to the Building Official. The special inspector shall not be employed by the contractor. These special inspections and tests are in addition to the inspections identified by the Building Official that are identified in Section 110.

Section 1704.2.1, Special inspector qualifications, shall be amended to read as follows:

1704.2.1 Special Inspector qualifications. Prior to the start of construction and or upon request, the approved agencies shall provide written documentation to the registered design professional in responsible charge and the building official demonstrating the competence and relevant experience or training of the special inspectors who will perform the special inspections and tests during construction. Experience or training shall be considered relevant where the documented experience or training is related in complexity to the same type of special inspection or testing activities for projects of similar complexity and material qualities. These qualifications are in addition to qualifications specified in other sections of this code.

The registered design professional in responsible charge and engineers of record involved in the design of the project are permitted to act as the approved agency and their personnel are permitted to act as special inspectors for the work designed by them, provided they qualify as special inspectors.

Section 1704.2.4, Report requirement, shall be amended to read as follows:

1704.2.4 Report requirement. Approved agencies shall keep records of special inspections and tests. The approved agency shall submit reports of special inspections and tests to the Building Official upon request, and to the registered design professional in responsible charge. Individual inspection reports (Reports) shall indicate that work inspected or tested was or was not completed in conformance to approved construction documents. Discrepancies shall be brought to the immediate attention of the contractor for correction. If they are not corrected, the discrepancies shall be brought to the attention of the building official and to the registered design professional in responsible charge prior to the completion of that phase of the work. A final report documenting required special inspections and tests, and correction of any discrepancies noted in the inspections or tests, shall be submitted at a point in time agreed upon prior to the start of work by the owner or the owner’s authorized agent to the building official.

Section 1704.2.5.2, Fabricator approval, shall be amended to read as follows:

1704.2.5.1 Fabricator approval. Special inspections during fabrications required by Section 1704 are not required where the work is done on the premises of a fabricator registered and approved to perform such work without special inspection. Approval shall be based upon review of the fabricator's written procedural and quality control manuals and periodic auditing of fabrication practices by an approved agency, or a fabricator that is enrolled in a nationally accepted inspections program. At completion of fabrication, the acceptable or approved fabricator shall submit a certificate of compliance to the owner or the owner’s authorized agent or the registered design professional in responsible charge, for submittal to the building official as specified in Section 1704.5 stating that the work was performed in accordance with the approved construction documents. The certificate of compliance shall also be made available to the Building Official upon request.

Section 2901.1, Scope, shall be amended to read as follows:

[P] 2901.1 Scope. The provisions of this chapter and the International Plumbing Code, shall govern the erection, installation, alteration, repairs, relocation, replacement, addition to, use or maintenance of plumbing equipment and systems. Toilet and bathing rooms shall be constructed in accordance with Section 1210. Plumbing systems and equipment shall be constructed, installed and maintained in accordance with the International Plumbing Code. Private sewage disposal systems shall conform to the International Private Sewage Disposal Code. The provisions of this Chapter are meant to work in coordination with the provisions of Chapter 4 of the International Plumbing Code. Should any conflicts arise between the two chapters, the Building Official shall determine which provision applies.

Section 2902.1, Minimum number of fixtures, shall be amended to read as follows:

2902.1 Minimum number of fixtures. Plumbing fixtures shall be provided in the minimum number as shown in Table 2902.1 based on the actual use of the building or space. Uses not shown in Table 2902.1
shall be considered individually by the code official. The number of occupants shall be determined by this code.

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

Table 2902.1, Minimum Number of Required Plumbing Fixtures, shall be amended to add footnote "f" to read as follows:

f. Drinking fountains are not required in M Occupancies with an occupant load of 100 or less, B Occupancies with an occupant load of 25 or less, and for dining and/or drinking establishments.

Section 2902.1, Minimum number of fixtures, shall be amended by adding new Sections 2902.1.3, Additional fixtures; 2902.1.3.1, Hand washing lavatory; and 2902.1.3.2, Service sink; to read as follows:

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

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

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

Section 3002.1, Hoistway enclosure protection, shall be amended to add the following Exceptions to read as follows:

3002.1 Hoistway enclosure protection. . . .

Exceptions:

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

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

Section 3005.4 Machine rooms, control rooms, machinery spaces and control spaces, shall be amended to read as follows:

3005.4 Machine rooms, control rooms, machinery spaces and control spaces. Elevator machine rooms, control rooms, control spaces and machinery spaces shall be enclosed with fire barriers constructed in accordance with Section 707 or horizontal assemblies constructed in accordance with Section 711, or both. The fire-resistance rating shall not be less than the required rating of the hoistway enclosure served by the machinery. Openings in the fire barriers shall be protected with assemblies having a fire protection rating not less than that required for the hoistway enclosure doors.

(The Exceptions remain unchanged.)

Section 3005, MACHINE ROOMS, shall be amended by adding Section 3005.7, Fire protection in machine rooms, control rooms, machinery spaces and control spaces, to read as follows:

3005.7 Fire Protection in machine rooms, control rooms, machinery spaces and control spaces.

3005.7.1 Automatic sprinkler system. The building shall be equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1, except as otherwise permitted by Section 903.3.1.1.1 and as prohibited by Section 3005.7.2.1.
3005.7.2.1 Prohibited locations. Automatic sprinklers shall not be installed in machine rooms, elevator machinery spaces, control rooms, control spaces and elevator hoist-ways.

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

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

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

Section 3005, MACHINE ROOMS, shall be amended by adding Section 3005.8, Storage, to read as follows:

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

Section 3006.2, Hoistway opening protection required, shall be amended by amending subparagraph 5. to read as follows:

3006.2 Hoistway opening protection required. . .

5. The building is a high rise and the elevator hoistway is more than 75-feet (22 860 mm) 55 feet (16 764 mm) in height. The height of the hoistway shall be measured from the lowest floor at or above grade to the highest floors served by the hoistway.

Section 3109.1, General, shall be amended to read as follows:

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

City of Paris, Texas Amendments to the 2015 International Existing Building Code

The following sections, paragraphs, and sentences of the 2015 International Existing Building Code are hereby amended as follows: Standard type is text from the IEBC. Underlined type is text inserted. Lined through type is deleted text from IEBC.

Section 102.4, Referenced codes and standards, shall be amended to read as follows:

[A] 102.4 Referenced codes and standards. The codes, when specifically adopted, and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference and as further regulated in Sections 102.4.1 and 102.4.2.

Section 202; GENERAL DEFINITIONS, shall be amended to change the definition of Existing Building to read as follows:

Existing Building - A building, structure, or space, with an approved final inspection issued under a code edition which is at least 2 published code editions preceding the currently adopted building code; or a change of occupancy.

Section 405.1.2, Existing fire escapes, shall be amended to read as follows:

405.1.2 Existing fire escapes. Existing fire escapes shall continue to be accepted as a component in the means of egress in existing buildings only. Existing fire escapes shall be permitted to be repaired or replaced.

Section 405.1.3, New fire escapes, shall be deleted in its entirety:

405.1.3 New fire escapes. New fire escapes for existing buildings shall be permitted only where exterior stairways cannot be utilized due to lot lines limiting stairway size or due to the sidewalks, alleys or roads at grade level. New fire escapes shall not incorporate ladders or access by windows.

Section 406.2, Replacement window opening control devices, shall be amended to read as follows:

406.2 Replacement window opening control devices. In Group R-2 or R-3 buildings containing dwelling units, window opening control devices complying with ASTM F 2090 shall be installed where an existing window is replaced and where all of the following apply to the replacement window:

{Subsections 1-5 remain unchanged.}

The window opening control device, after operation to release the control device allowing the window to fully open, shall not reduce the minimum net clear opening area of the window unit to less than the area required by Section 4029.2-1030.2 of the International Building Code.

{The Exceptions remain unchanged.}

Section 406.3, Replacement window emergency escape and rescue openings, shall be amended to read as follows:

406.3 Replacement window emergency escape and rescue openings. Where windows are required to provide emergency escape and rescue openings in Group R-2 and R-3 occupancies, replacement windows shall be exempt from the requirements of Sections 1030.2, 1030.3 and 1030.5 of the International Building Code provided the replacement window meets the following conditions:

{Subsections 1. and 2. Remain unchanged.}
Section 409.1, Conformance, shall be amended to read as follows:

409.1, Conformance. Structures moved into or within the jurisdiction shall comply with the provisions of this code for new structures.

Exception: Moved historic buildings need not be brought into compliance with the exception of new construction features required as the result of such movement, including but not limited to foundations and/or other structural elements.

Section 410.1, Scope, shall be amended to read as follows:

410.1 Scope. The provisions of Sections 410.1 through 410.9 apply to maintenance, change of occupancy, additions and alterations to existing buildings, including those identified as historic buildings.

Exception: Components of projects regulated by and registered with Architectural Barriers Division of Texas Department of Licensing and Regulation shall be deemed to be incompliance with the requirements of this chapter.

Section 410.4.2, Complete change of occupancy, shall be amended to add Item 7. to read as follows:

410.4.2 Complete change of occupancy.

7. At least one accessible family or assisted use toilet room shall be provided in accordance with Chapter 11 of the International Building Code.

{The remainder of the Section including the Exception remains unchanged.}

Section 602.3, Glazing in hazardous locations, shall be amended to read as follows:

602.3 Glazing in hazardous locations. Replacement glazing in hazardous locations shall comply with the safety glazing requirements of the International Building Code, International Energy Conservation Code, or International Residential Code as applicable.

Exception: Glass block walls, louvered windows, and jalousies repaired with like materials.

Section 607.1, Material, shall be amended to read as follows:

607.1 Material. Existing electrical wiring and equipment undergoing repair shall be allowed to be repaired or replaced with like material, in accordance with the requirements of NFPA 70.

Section 702.6, Materials and methods, shall be amended to read as follows:

702.6 Materials and methods. All new work shall comply with the materials and methods requirements in the International Building Code, International Energy Conservation Code, International Mechanical Code, National Electrical Code, and International Plumbing Code, as applicable, that specify material standards, detail of installation and connection, joints, penetrations, and continuity of any element, component, or system in the building.

Section 802.1, General, shall be amended to read as follows:

802.1 General. Alteration of buildings classified as special use and occupancy as described in Chapter 4 of the International Building Code shall comply with the requirements of Section 801.1 and the scoping provisions of Chapter 1 where applicable.

Section 803.5.1, Minimum requirement, shall be amended to read as follows:

803.5.1 Minimum requirement. Every portion of a floor, such as a balcony or a loading dock, that is
more than 30 inches (762 mm) above the floor or grade below open-sided walking surfaces, including mezzanines, equipment platforms, aisles, stairs, ramps and landings that are and is not provided with guards, or those in which the existing guards are judged to be in danger of collapsing, shall be provided with guards.

Section 804.1, Scope, shall be amended to read as follows:

804.1 Scope. The requirements of this section shall be limited to work areas in which Level 2 alterations are being performed, and where specified they shall apply throughout the floor on which the work areas are located or otherwise beyond the work area. For the purpose of fire sprinkler protection and fire alarm requirements included in this section, the work area shall be extended to include at least the entire tenant space or spaces bounded by walls capable of resisting the passage of smoke containing the subject work area, and if the work area includes a corridor, hallway, or other exit access, then such corridor, hallway, or other exit access shall be protected in its entirety on that particular floor level.

Section 804.2.2, Groups A, B, E, F-1, H, I, M, R-1, R-2, R-4, S-1 and S-2, shall be amended to change the Exception to Item 2. to read as follows:

804.2.2 Groups A, B, E, F-1, H, I, M, R-1, R-2, R-4, S-1 and S-2. . . .

. . .

2. . . .

Exception: Where the building does not have sufficient municipal water supply for design of a fire sprinkler system available to the floor without installation of a new fire pump, fire sprinkler protection shall not be required work areas shall be protected by an automatic smoke detection system throughout all occupiable spaces other than sleeping units or individual dwelling units that activates the occupant notification system in accordance with Sections 907.4, 907.5 and 907.6 of the International Building Code.

Section 804.2.5, Supervision, shall be amended to change the Exception to read as follows:

804.2.5 Supervision. . . .

Exception: Supervision is not required where the Fire Code does not require such for new construction for the following:
1. Underground gate valve with roadway boxes.
2. Halogenated extinguishing systems.
3. Carbon dioxide extinguishing systems.
4. Dry and wet chemical extinguishing systems.
5. Automatic sprinkler systems installed in accordance with NFPA-13R where a common supply main is used to supply both domestic and automatic sprinkler systems and a separate shutoff valve for the automatic sprinkler system is not provided.

Section 804.3, Standpipes, shall be amended to read as follows:

804.3 Standpipes. Refer to Section 1103.6 of the Fire Code for retroactive standpipe requirements.

(Delete remainder of Section 804.3, including Exceptions)

Section 805.2, General, shall be amended to delete Exception #1.

805.2 General. . . .

Exceptions:

1. Where the work area and the means of egress serving it complies with NFPA101.
2. {Exception 2 remains unchanged.}

Section 805.3.1.1, Single-exit buildings, shall be amended to delete Item 4.:

805.3.1.1. Single-exit buildings. {Paragraph remains unchanged.} . . .
1. {Remains unchanged.}
2. {Remains unchanged.}
3. {Remains unchanged.}
4. in Group R-4 Occupancies, the maximum occupant load excluding staff is 16.
5. {Remains unchanged.}
6. {Remains unchanged.}
7. {Remains unchanged.}
8. {Remains unchanged.}
9. {Remains unchanged.}
10. {Remains unchanged.}

Section 805.3.1.2, Fire escapes required, shall be amended to read as follows:

805.3.1.2 Fire escapes required. For other than Group I-2, where more than one exit is required an existing or newly constructed fire escape complying with section 805.3.1.2.1 shall be accepted as providing one of the required means of egress.

Section 805.3.1.2.1, Fire escape access and details, shall be amended to read as follows:

805.3.1.2.1 Fire Escape access and details. Fire escapes shall comply with all of the following requirements:

1. {Item 1. shall remain unchanged}
2. Access to a new fire escape shall be through a door, except that windows shall be permitted to provide access from single dwelling units or sleeping units in Group R-1, R-2 and I-1 occupancies or to provide access from spaces having a maximum occupant load of 10 in other occupancy classifications. {Sections 2.1—2.4 shall remain unchanged}
3. {Item 3 shall be deleted in its entirety}
4. {Item 4. Shall remain unchanged}
5. In all building of Group E occupancy up to and including the 12th grade, building of Group I occupancy, rooming boarding houses, and childcare centers, ladders of any type are prohibited on fire escapes used as a required means of egress.

Section 805.3.1.2.2, Construction, shall be deleted in its entirety.

Section 805.3.1.2.3, Dimensions, shall be deleted in its entirety.

Section 805.5.2, Transoms, shall be amended to add the following note to read as follows:

B and E occupancies are not included in the list and consideration should be given to adding them depending on existing buildings stock.

Section 806.2, Stairways and escalators in existing buildings, shall be amended to add the following exception to read as follows:

806.2 Stairways and escalators in existing buildings. {Section shall remain unchanged except to add the following Exception:}

Exception: Components of projects regulated by and registered with Architectural Barriers Division of Texas Department of Licensing and Regulation shall be deemed to be in compliance with the requirements of this chapter.

Section 904.1, Automatic sprinkler systems, shall be amended to read as follows:

904.1 Automatic sprinkler systems. An automatic sprinkler system shall be provided in a work area where required by Section 804.2 or this section. For the purpose of fire sprinkler protection and fire alarm requirements included in this section, the work area shall be extended to include at least the entire tenant space or spaces bounded by walls containing the subject work area, and if the work area includes a corridor, hallway, or other exit access, then such corridor, hallway, or other exit access shall be protected in its entirety on that particular floor level.
Section 904.1.1, High-rise buildings, shall be amended to read as follows:

904.1.1 High-rise buildings. An automatic sprinkler system shall be provided in work areas of the high-rise building where the high-rise building has a sufficient municipal water supply for the design and installation of an automatic sprinkler system at the site.

Section 1401.2, Applicability, shall be amended to read as follows:

1401.2 Applicability. Structures existing prior to [DATE TO BE INSERTED BY THE JURISDICTION]. Note: it is recommended that this date coincide with the effective date of building codes within the jurisdiction. The date of an approved final inspection issued under a code edition which is at least two published code editions preceding the currently adopted building code; or a change of occupancy, in which there is work involving additions, alterations or changes of occupancy shall be made to conform to the requirements of this chapter or the provisions of Chapters 5 through 13. The provisions of Sections 1401.2.1 through 1401.2.5 shall apply to existing occupancies that will continue to be, or are proposed to be, in Groups A, B, E, F, I-2, M, R and S. These provisions shall not apply to buildings with occupancies in Group H or I-1, I-3 or I-4.

Section 1401.3.2, Compliance with other codes, shall be amended to read as follows:
1401.3.2 Compliance with other codes. Buildings that are evaluated in accordance with this section shall comply with the International Fire Code and International Property-Maintenance Code.

In Chapter 16, REFERENCED STANDARDS, the reference to the IECC shall be amended to read as follows:

IECC—15 Edition as adopted by the State of Texas

International Energy Conservation Code®

301.2, 702.6, 708.1, 811.1, 908.1
Exhibit C

City of Paris, Texas Amendments to the 2015 International Residential Code

The following sections, paragraphs, and sentences of the 2006 International Residential Code are hereby amended as follows: Standard type is text from the IRC. Underlined type is text inserted. Lined through type is deleted text from IRC.

Section R102.4, Referenced codes and standards, shall be amended to read as follows:

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

Section R104.10.1, Flood hazard areas, shall be deleted in its entirety.

Section R105.3.1.1, Determination of substantially improved or substantially damaged existing buildings in flood hazard areas, shall be deleted in its entirety.

Section R106.1.4, Information for construction in flood hazard areas, shall be deleted in its entirety.

Section R110, CERTIFICATE OF OCCUPANCY (including Sections R110.1--R110.5) shall be deleted in its entirety.

Section R202, DEFINITIONS, shall be amended to change the definition of “Townhouse” to read as follows:

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

Table R301.2 (1), Climatic and Geographic Design Criteria, shall be filled in as follows:

<table>
<thead>
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<th>GROUND SNOW LOAD</th>
<th>WIND DESIGN</th>
<th>SEISMIC DESIGN CATEGORY</th>
<th>SUBJECT TO DAMAGE FROM</th>
<th>WINTER DESIGN TEMP</th>
<th>ICE BARRIER UNDERLAYMENT</th>
<th>FLOOD HAZARDS</th>
<th>AIR FREEZING INDEX</th>
<th>MEAN ANNUAL TEMP</th>
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<tbody>
<tr>
<td>5 lb/ft</td>
<td>SPEED&lt;sup&gt;g&lt;/sup&gt; (MPH)</td>
<td>Topographic Effects</td>
<td>Special Wind Region</td>
<td>Windborne Debris Zone</td>
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<td>Weathering&lt;sup&gt;h&lt;/sup&gt;</td>
<td>Frost Line Depth&lt;sup&gt;i&lt;/sup&gt;</td>
<td>Termite&lt;sup&gt;j&lt;/sup&gt;</td>
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<td>Very Heavy</td>
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</tr>
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</table>

Section R302.1, Exterior walls, shall be amended to add Exception #6 to read as follows:

R302.1 Exterior walls. . . .

Exceptions: (previous exceptions unchanged)
6. Open non-combustible carport structures may be constructed when also approved within adopted ordinances.

Section R302.3, Two-family dwellings, shall be amended by adding Exception #3 to read as follows:

R302.2, Two-family dwellings. . . .

Exceptions:

1. (existing text unchanged)

2. (existing text unchanged)

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

Section R302.5.1, Opening protection, shall be amended to read as follows:

R302.5.1 Opening protection. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 13/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 13/8 inches (35 mm) thick, or 20-minute fire-rated doors equipped with a self-closing device.

Section R303.3, Bathrooms, shall be amended such that the Exception shall read as follows:

R303.3 Bathrooms . . .

  Exception: The glazed areas shall not be required where artificial light and a local exhaust system are provided. Exhaust air from the space shall be exhaust out to the outdoors unless the space contains only a water closet, a lavatory, or water closet and a lavatory may be ventilated with an approved mechanical recirculating fan or similar device designed to remove odors from the air.

Section R313, AUTOMATIC FIRE SPRINKLER SYSTEMS, shall be deleted in its entirety along with all its subsections (Sections R313.1, R313.1.1, R313.2 and R313.2.1).

Section R315.2.2, Alterations, repairs and additions, shall be amended to amend Exception 2. to read as follows:

R315.2.2 Alterations, repairs and additions. (Existing text remains unchanged. . .)

Exceptions:

1. (existing text remains unchanged)

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

Section R322, FLOOD RESISTANT CONSTRUCTION, shall be deleted in its entirety along with all its subsections.

Section R326.1, General, shall be amended to read as follows:

R326.1 General. The design and construction of pools and spas shall comply with the International Swimming Pool and Spa Code 2015 IRC Appendix Q, Swimming Pools, Spas and Hot Tubs.

Section R401.2, Requirements, shall be amended to read as follows:
Section R401.2. Requirements. Foundation construction shall be capable of accommodating all loads in accordance with Section R301 and of transmitting the resulting loads to the supporting soil. Fill soils that support footings and foundations shall be designed, installed and tested in accordance with accepted engineering practice. Gravel fill used as footings for wood and precast concrete foundations shall comply with Section R403.

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

Section R602.6.1, Drilling and notching of top plate, shall be amended to read as follows:

R602.6.1 Drilling and notching of top plate. When piping or ductwork is placed in or partly in an exterior wall or interior load-bearing wall, necessitating cutting, drilling or notching of the top plate by more than 50 percent of its width, a galvanized metal tie not less than 0.054 inch thick (1.37 mm) (16 Ga) and 4 ½ inches (38) mm 5 inches (127 mm) wide shall be fastened across and to the plate at each side of the opening with not less than eight 10d (0.148 inch diameter) having a minimum length of 1 ½ inches (38 mm) at each side or equivalent. Fasteners will be offset to prevent splitting of the top plate material. The metal tie must extend a minimum of 6 inches past the opening. See figure R602.6.1.

{The Exception remains unchanged.}

Figure R602.6.1, Top Plate Framing to Accommodate Piping, shall be amended by deleting the existing figure and by inserting the following figure:

![Diagram of Top Plate Framing to Accommodate Piping]

Section R703.8.4.1, Size and shaping, shall be amended to read as follows:

R703.8.4.1 Size and shaping. Veneer ties, if strand wire, shall be not less in thickness than No. 9 U.S. gage ([0.148 inch](4mm)) wire and shall have a hook embedded in the mortar joint, or if sheet metal, shall be not less than No. 22 U.S. gage by ([0.0299 inch](0.76 mm)] 7/8 inch (22 mm) corrugated. Each tie shall support not more than 2/67 square feet (0.25m²) of wall area and shall be spaced not more than 32 inches (813 mm) on center horizontally and 24 inches (635 mm) on center vertically.

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

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

(The Exception remains unchanged.)

Section R902.1, Roofing covering materials, shall be amended to read as follows:

R902.1 Roofing covering materials. Roofs shall be covered with materials as set forth in Sections R904 and R905. Class A, B, or C roofing shall be installed in areas designated by law as requiring their use or when the edge of the roof is less than 3 feet from a lot line. Class A, B and C roofing required by this section to be listed shall be tested in accordance with UL 790 or ASTM E 108.

Exceptions:

1. (text unchanged)
2. (text unchanged)
3. (text unchanged)
4. (text unchanged)
5. Non-classified roof coverings shall be permitted on one-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed (area defined by jurisdiction).

Chapter 11 [RE] – ENERGY EFFICIENCY is deleted in its entirety and replaced with the following:

CHAPTER 11 [RE] ENERGY EFFICIENCY

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

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

Section M1305.1.3; Appliances in attics, shall be amended to read as follows:

M1305.1.3 Appliances in attics. Attics containing appliances shall be provided with an opening and a clear and unobstructed passageway large enough to allow removal of the largest appliance, but not less than 30 inches (762 mm) high and 22 inches (559 mm) wide and not more than 20 feet (6096 mm) long measured along the centerline of the passageway from the opening to the appliance. The passageway shall have continuous solid flooring in accordance with Chapter 5 not less than 24 inches (610 mm) deep and 30 inches (762 mm) wide shall be present along all sides of the appliance where access is required. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm by 762 mm), or larger and large enough to allow removal of the largest appliance. A walkway to an appliance shall be rated as a floor as approved by the building official. As a minimum, for access to the attic space, provide one of the following:

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

Exceptions:

1. The passageway and level service space are not required where the appliance can be serviced and removed through the required opening.
2. Where the passageway is unobstructed and not less than 6 feet (1829 mm) high and 22 inches (559 mm) wide for its entire length, the passageway shall not be more than 50 feet (15 250 mm) long.

Section M1411.3, Condensate disposal, shall be amended to change to read as follows:

M1411.3 Condensate disposal. Condensate from all cooling coils or evaporators shall be conveyed from the drain pan outlet to an approved place of disposal a sanitary sewer through a trap, by means of a direct or indirect drain. Such piping shall maintain a minimum horizontal slope in the direction of discharge of not less than 1/8 unit vertical in 12 units horizontal (1-percent slope). Condensate shall not discharge into a street, alley or other areas where it would cause a nuisance.

Section M1411.3.1, Auxiliary and secondary drain systems, shall be amended to change Items 3 and 4 to read as follows:

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

1. {text unchanged}

2. {text unchanged}

3. An auxiliary drain pan without a separate drain line shall be installed under the coils on which condensation will occur. This pan shall be equipped with a water level detection device conforming to UL 508 that will shut off the equipment served prior to overflow of the pan. The pan shall be equipped with a fitting to allow for drainage. The auxiliary drain pan shall be constructed in accordance with Item 1 of this section. A water level detection device may be installed only with prior approval of the building official.

4. A water level detection device conforming to UL 508 shall be installed that will shut off the equipment served in the event that the primary drain is blocked. The device shall be installed in the primary drain line, the overflow drain line or the equipment-supplied drain pan located at a point higher than the primary drain line connection and below the overflow rim of such pan. A water level detection device may be installed only with prior approval of the building official.

Section M1411.3.1.1; Water-level monitoring devices, shall be amended to read as follows:

M1411.3.1.1 Water-level monitoring devices. On down-flow units and other coils that do not have secondary drain or provisions to install a secondary or auxiliary drain pan, a water-level monitoring device shall be installed inside the primary drain pan. This device shall shut off the equipment served in the event that the primary drain becomes restricted. Devices shall not be installed in the drain line. A water level detection device may be installed only with prior approval of the building official.

M1503.4, Makeup air required, shall be amended to read as follows:

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

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

Section M2005.2, Prohibited locations, shall be amended to read as follows:

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

Section G2408.3 (305.5), Private garages, shall be deleted in its entirety.

Section G2415.2 (404.2), CSST, shall be amended to add Section 2415.2.1 (404.2.1) to read as follows:

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

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

Section G2415.2 (404.2), CSST, shall be amended to add Section 2415.2.2 (404.2.2) to read as follows:

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

Section G2415.12 (404.12), Minimum burial depth, shall be amended to read as follows:

G2415.12 (404.12) Minimum burial depth. Underground piping systems shall be installed a minimum depth of 12 inches (305 mm) 18 inches (457 mm) below grade, except as provided for in Section G2415.12.1.

Section G2417.1 (406.1), General, shall be amended to read as follows:

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

Section G2417.4 (406.4), Test pressure measurement, shall be amended to read as follows:

G2417.4 (406.4) Test pressure measurement. Test pressure shall be measured with a monometer or with a pressure-measuring device designed and calibrated to read, record, or indicate a pressure loss caused by leakage during the pressure test period. The source of pressure shall be isolated before the pressure tests are made. Mechanical gauges used to measure test pressures shall have a range such that the highest end of the scale is not greater than five times the test pressure.

Section G2417.4.1 (406.4.1), Test pressure, shall be amended to read as follows:

G2417.4.1 (406.4.1) Test pressure. The test pressure to be used shall be no less than 3 psig (20 kPa gauge), or at the discretion of the Code Official, the piping and valves may be tested at a pressure of at least six (6) inches (152 mm) of mercury, measured with a manometer or slope gauge, irrespective of design pressure. Where the test pressure exceeds 125 psig (862 kPa gauge), the test pressure shall not exceed a value that produces a hoop stress in the piping greater than 50 percent of the specified minimum yield strength of the pipe. For tests requiring a pressure of 3 psig, diaphragm gauges shall utilize a dial with a minimum diameter of three and one half inches (3 1/2"), a set hand, 1/10 pound incrementation and pressure range not to exceed 6 psi for tests requiring a pressure of 3 psig. For tests requiring a pressure of 10 psig, diaphragm gauges shall utilize a dial with a minimum diameter of three and one-half inches (3 1/2"), a set hand, a minimum of 2/10 pound incrementation and a pressure range not to exceed 20 psi. For welded piping and for piping carrying gas at pressures in excess of fourteen (14) inches water column pressure (3.48 kPa) (1/2 psi) and less than 200 inches of water column pressure (52.2 kPa) (7.5 psi), the test pressure shall not be less than ten (10) pounds per square inch (69.6 kPa). For piping carrying gas at a pressure that exceeds 200 inches of water column (52.2 kPa)
(7.5 psi), the test pressure shall be not less than one and one-half times the proposed maximum working pressure.

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

Section G2417.4.2 (406.4.2), Test duration, shall be amended to read as follows:

G2417.4.2 (406.4.2) Test duration. The test duration shall be held for a length of time satisfactory to the Building Official, but in no case for be not less than 40-fifteen (15) minutes. For welded piping, and for piping carrying gas at pressures in excess of fourteen (14) inches water column pressure (3.48 kPa), the test duration shall be held for a length of time satisfactory to the Building Official, but in no case for less than thirty (30) minutes.

Section G2420.1 (409.1), General, shall be amended by adding Section G2420.1.4, Valves in CSST installations, to read as follows:

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

Section G2420.5.1 (409.5.1), Located within the same room, shall be amended to read as follows:

G2420.5.1 (409.5.1) Located within the same room. The shutoff valve shall be located in the same room as the appliance. The shutoff valve shall be within 6 feet (1829 mm) of the appliance, and shall be installed upstream of the union, connector or quick disconnect device it serves. Such shutoff valves shall be provided with access. Appliance shutoff valves located in the firebox of a fireplace shall be installed in accordance with the appliance manufacturer’s instructions. A secondary shutoff valve must be installed within 3 feet (914 mm) of the firebox if appliance shutoff is located in the firebox.

Section G2421.1 (410.1); Pressure regulators, shall be amended to read as follows:

G2421.1 (410.1) Pressure regulators. A line pressure regulator shall be installed where the appliance is designed to operate at a lower pressure than the supply pressure. Line gas pressure regulators shall be listed as complying with ANSI Z21.80. Access shall be provided to pressure regulators. Pressure regulators shall be protected from physical damage. Regulators installed on the exterior of the building shall be approved for outdoor installation. Access to regulators shall comply with the requirements for access to appliances as specified in Section M1305.

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

Section G2422.1.2.3 (411.1.3.3), Prohibited locations and penetrations, shall be amended to delete Exceptions 1 and 4 in their entirety.

Section G2445.2 (621.2), Prohibited use, shall be amended to read as follows:

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

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

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

Section P2801.6.1, Pan size and drain, shall be amended to read as follows:

Section P2801.6.1 Pan size and drain. The pan shall be not less than 11/2 inches (38 mm) in depth and shall be of sufficient size and shape to receive all dripping or condensate from the tank or water heater. The pan shall be drained by an indirect waste pipe having a diameter of not less than 3/4 inch (19 mm). Piping for safety pan drains shall be of those materials listed in Table 605.4. Multiple pan drains may terminate to a single discharge piping system when approved by the administrative authority and permitted by the manufactures installation instructions and installed with those instructions.

Section P2804.6.1, Requirements for discharge pipe, shall be amended to read as follows:

Section P2804.6.1 Requirements for discharge pipe. The discharge piping serving a pressure relief valve, temperature relief valve or combination thereof shall:

1. Not be directly connected to the drainage system.
2. Discharge through an air gap located in the same room as the water heater.
3. Not be smaller than the diameter of the outlet of the valve served and shall discharge full size to the air gap.
4. Serve a single relief device and shall not connect to piping serving any other relief device or equipment.
   Exception: Multiple relief devices may be installed to a single T & P discharge piping system when approved by the administrative authority and permitted by the manufactures installation instructions and installed with those instructions.
5. Discharge to the floor, to an indirect waste receptor or to the outdoors.

{Subsections 6—14 remain unchanged.}

Section P2804.7, Vacuum-relief valve, shall be amended to read as follows:

P2804.7 Vacuum-relief valve. Bottom fed tank-type water heaters and bottom fed tanks connected to water heaters shall have a vacuum-relief valve installed that complies with ANSI Z21.22.

Exceptions:

1. Electric Water Heater.

Section P2902.5.3, Lawn irrigation systems, shall be amended to read as follows:

P2902.5.3 Lawn irrigation systems. The potable water supply to lawn irrigation systems shall be protected against backflow by an atmospheric-type vacuum breaker, a pressure-type vacuum breaker, a double-check assembly or a reduced pressure principle backflow preventer. A valve shall not be installed downstream from an atmospheric vacuum breaker. Where chemicals are introduced into the system, the potable water supply shall be protected against backflow by a reduced pressure principle backflow preventer.

Section P3003.9.2, Solvent Cementing shall be amended by deleting Exceptions 1 and 2 in their entirety:

Section P3111, COMBINATION WASTE AND VENT SYSTEM, shall be deleted in its entirety including all its subsections.

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

Appendix Q, SWIMMING POOLS, SPAS AND HOT TUBS

SECTION AQ101 GENERAL

AQ101.1 General. The provisions of this appendix shall control the design and construction of swimming pools, spas and hot tubs installed in or on the lot of a one- or two-family dwelling.

AQ101.2 Pools in flood hazard areas. Pools that are located in flood hazard areas established by Table R301.2(1), including above-ground pools, on-ground pools and in-ground pools that involve placement of fill, shall comply with Section AQ101.2.1 or AQ101.2.2.

Exception: Pools located in riverine flood hazard areas which are outside of designated floodways.

AQ101.2.1 Pools located in designated floodways. Where pools are located in designated floodways, documentation shall be submitted to the building official which demonstrates that the construction of the pool will not increase the design flood elevation at any point within the jurisdiction.

AQ101.2.2 Pools located where floodways have not been designated. Where pools are located where design flood elevations are specified but floodways have not been designated, the applicant shall provide a floodway analysis that demonstrates that the proposed pool will not increase the design flood elevation more than 1 foot (305 mm) at any point within the jurisdiction.

SECTION AQ102 DEFINITIONS

AQ102.1 General. For the purposes of these requirements, the terms used shall be defined as follows and as set forth in Chapter 2.

ABOVE-GROUND/ON-GROUND POOL. See "Swimming pool."

BARRIER. A fence, wall, building wall or combination thereof which completely surrounds the swimming pool and obstructs access to the swimming pool.

HOT TUB. See "Swimming pool."

IN-GROUND POOL. See "Swimming pool."

RESIDENTIAL. That which is situated on the premises of a detached one- or two-family dwelling, or a one-family townhouse not more than three stories in height.
SPA, NONPORTABLE. See "Swimming pool."

SPA, PORTABLE. A nonpermanent structure intended for recreational bathing, in which all controls, water-heating and water-circulating equipment are an integral part of the product.

SWIMMING POOL. Any structure intended for swimming or recreational bathing that contains water more than 24 inches (610 mm) deep. This includes in-ground, above-ground and on-ground swimming pools, hot tubs and spas.

SWIMMING POOL, INDOOR. A swimming pool which is totally contained within a structure and surrounded on all four sides by the walls of the enclosing structure.

SWIMMING POOL, OUTDOOR. Any swimming pool which is not an indoor pool.

SECTION AQ103 SWIMMING POOLS

AQ103.1 In-ground pools.
In-ground pools shall be designed and constructed in compliance with ANSI/NSPI-5.

AQ103.2 Above-ground and on-ground pools.
Above-ground and on-ground pools shall be designed and constructed in compliance with ANSI/NSPI-4.

AQ103.3 Pools in flood hazard areas.
In flood hazard areas established by Table R301.2(1), pools in coastal high-hazard areas shall be designed and constructed in compliance with ASCE 24.

SECTION AQ104 SPAS AND HOT TUBS

AQ104.1 Permanently installed spas and hot tubs.
Permanently installed spas and hot tubs shall be designed and constructed in compliance with ANSI/NSPI-3.

AQ104.2 Portable spas and hot tubs.
Portable spas and hot tubs shall be designed and constructed in compliance with ANSI/NSPI-6.

SECTION AQ105 BARRIER REQUIREMENTS

AQ105.1 Application.
The provisions of this appendix shall control the design of barriers for residential swimming pools, spas and hot tubs. These design controls are intended to provide protection against potential drownings and near-drownings by restricting access to swimming pools, spas and hot tubs.

AQ105.2 Outdoor swimming pool. An outdoor swimming pool, including an in-ground, above-ground or on-ground pool, hot tub or spa shall be surrounded by a barrier which shall comply with the following:

1. The top of the barrier shall be at least 48 inches (1219mm) above grade measured on the side of the barrier, which faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches (51mm) measured on the side of the barrier, which faces away from the swimming pool. Where the top of the pool structure is above grade, such as an above-ground pool, the barrier may be at ground level, such as the pool structure, or mounted on top of the pool structure. Where the barrier is mounted on top of the pool structure, the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be 4 inches (102mm).

2. Openings in the barrier shall not allow passage of a 4-inch-diameter (102mm) sphere.

3. Solid barriers which do not have openings, such as a masonry or stone wall, shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.

4. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches (1143mm), the horizontal members shall be located on
the swimming pool side of the fence. Spacing between vertical members shall not exceed 1.75 inches (44mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1.75 inches (44 mm) in width.

5. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45 inches (1143 mm) or more, spacing between vertical members shall not exceed 4 inches (102 mm). Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1.75 inches (44 mm) in width.

6. Maximum mesh size for chain link fences shall be a 2.25-inch (57 mm) square unless the fence is provided with slats fastened at the top or the bottom which reduce the openings to not more than 1.75 inches (44 mm).

7. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall not be more than 1.75 inches (44 mm).

8. Access gates shall comply with the requirements of Section AQ105.2, Items 1 through 7, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the pool and shall be self-closing and have a self-latching device. Gates other than pedestrian access gates shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches (1372 mm) from the bottom of the gate, the release mechanism and openings shall comply with the following:
   8.1. The release mechanism shall be located on the pool side of the gate at least 3 inches (76 mm) below the top of the gate, and
   8.2. The gate and barrier shall have not opening greater than 0.5 inch (13 mm) within 18 inches (457 mm) of the release mechanism.

9. Where a wall of a dwelling serves a part of the barrier one of the following conditions shall be met:
   9.1. The pool shall be equipped with a powered safety cover in compliance with ASTM F1346; or
   9.2. Doors with direct access to the pool through that wall shall be equipped with an alarm which produces an audible warning when the door and/or its screen, if present, are opened. The alarm shall be listed and labeled in accordance with UL 2017. The deactivation switch (es) shall be located at least 54 inches (1372 mm) above the threshold of the door; or
   9.3. Other means of protection, such as self-closing doors with self-latching devices, which are approved by the governing body, shall be acceptable as long as the degree of protection afforded is not less than the protection afforded by Item 9.1 or 9.2 described above.

10. Where an above-ground pool structure is used as a barrier or where the barrier is mounted on top of the pool structure, and the means of access is a ladder or steps, then:
    10.1. The ladder or steps shall be capable of being secured, locked or removed to prevent access, or
    10.2. The ladder or steps shall be surrounded by a barrier which meets the requirements of Section AQ105.2, Items 1 through 9. When the ladder or steps are secured, locked or removed, any opening created shall not allow the passage of a 4-inch diameter (102 mm) sphere.

AQ105.3 Indoor swimming pool. Walls surrounding an indoor swimming pool shall comply with Section AQ105.2, Item 9.

AQ105.4 Prohibited locations. Barriers shall be located so as to prohibit permanent structures, equipment or similar objects from being used to climb them.

AQ105.5 Barrier exceptions. Spas or hot tubs with a safety cover which complies with ASTM F 1346, as listed in Section AQ107, shall be exempt from the provisions of this appendix

SECTION AQ106 ENTRAPMENT PROTECTION FOR SWIMMING POOL AND SPA SUCTION OUTLETS

AQ106.1 General.
Suction outlets shall be designed and installed in accordance with ANSI/APSP-7.

SECTION AQ107 ABBREVIATIONS
### AQ107.1 General.

ANSI—American National Standards Institute  
11 West 42nd Street  
New York, NY 10036

APSP—Association of Pool and Spa Professionals  
NSPI—National Spa and Pool Institute  
2111 Eisenhower Avenue  
Alexandria, VA 22314

ASCE—American Society of Civil Engineers  
1801 Alexander Bell Drive  
Reston, VA 98411-0700

ASTM—ASTM International  
100 Barr Harbor Drive  
West Conshohocken, PA 19428

UL—Underwriters Laboratories, Inc.  
333 Pfingsten Road  
Northbrook, IL 60062-2096

### SECTION AQ108 REFERENCED STANDARDS

#### AQ108.1 General.

**ANSI/NSPI**

| ANSI/NSPI-3—99 | Standard for Permanently Installed Residential Spas | AQ104.1 |
| ANSI/NSPI-4—99 | Standard for Above-ground/On-ground Residential Swimming Pools | AQ103.2 |
| ANSI/NSPI-5—03 | Standard for Residential In-ground Swimming Pools | AQ103.1 |
| ANSI/NSPI-6—99 | Standard for Residential Portable Spas | AQ104.2 |

**ANSI/APSP**

| ANSI/APSP-7—06 | Standard for Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs and Catch Basins | AQ106.1 |

**ASCE**

| ASCE/SEI-24-05 | Flood-resistant Design and Construction | AQ103.3 |

**ASTM**


| UL |  |  |
Exhibit D

City of Paris, Texas Amendments to the 2015 National Electrical Code

The following sections, paragraphs and sentences of the 2015 National Electrical Code are hereby amended as follows: Standard type is text from the NEC. Underlined type is text inserted. Lined through type is deleted text from the NEC.

Article 90.4, Enforcement, shall be amended to read as follows:

90.4 Enforcement. This Code is intended to be suitable for mandatory application by governmental bodies that exercise legal jurisdiction over electrical installations, including signaling and communications systems, and for use by insurance inspectors. The authority having jurisdiction for enforcement of the Code has the responsibility for making interpretations of the rules, for deciding on the approval of equipment and materials, and for granting the special permission contemplated in a number of the rules.

By special permission, the authority having jurisdiction may waive specific requirements in the Code or permit alternative methods where it is assured that equivalent objectives can be achieved by establishing and maintaining effective safety.

This Code may require new products, constructions, or materials that may not yet be available at the time the Code is adopted. In such event, the authority having jurisdiction may permit the use of the products, constructions, or materials that comply with the most recent previous edition of this Code adopted by the jurisdiction.

Supervision of Work. In the actual work of installing, maintaining, altering or repairing any electric conductors or equipment which requires a permit, apprentice electricians shall be directly supervised by a higher grade classification of electrical license when electrical work is being performed.
ORDINANCE NO. 2017-027


WHEREAS, the International Code Council has promulgated its International Plumbing Code and International Fuel Gas Code to supersede the Standard codes referred to herein above, and updated same in 2015; and

WHEREAS, the 1994 Standard Plumbing Code and Standard Gas Code are outdated; and

WHEREAS, new and updated building, fire, residential and electrical codes are necessary to properly regulate and govern the conditions and maintenance of all property, buildings and structures by providing the standards for supplied utilities and facilities and other physical things and conditions essential to ensure that structures are safe, sanitary and fit for occupation and use, and the condemnation of buildings and structures unfit for human occupancy and use and the demolition of such structures in the City of Paris; and,

WHEREAS, the City Engineer and the Building Inspector hereby recommend the 2015 International Plumbing Code and the 2015 International Fuel Gas Code as the best uniform building and electrical codes to provide uniform guidelines and regulations for all property, buildings and structures by providing the standards for supplied utilities and facilities and other physical things and conditions essential to ensure that structures are safe, sanitary and fit for occupation and use and the condemnation of buildings and structures unfit for human occupancy and use and the demolition of such structures in the City of Paris, Texas; and,

WHEREAS, the City Council deems it to be in the best interest of the City of Paris and its citizens to repeal the existing 1994 Editions of the Standard Plumbing Code and the Standard Gas Code and to adopt the 2015 International Plumbing Code and the 2015 International Fuel Gas Code as amended with local amendments as set out below.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PARIS, TEXAS:
Section 1. That the findings set out in the preamble to this ordinance are hereby in all things approved.

Section 2. That Chapter 25, Article II, Section 25-16 of the Code of Ordinances of the City of Paris shall be and is hereby amended to read as follows:

"Sec. 25-16. Plumbing Code Adopted"

"(a) For purposes of this Section, Plumbing Code shall mean the 2015 International Plumbing Code (sometimes referred to as the 'IPC') including any and all amendments or revisions or revised additions to the 2015 International Plumbing Code.

"(b) In conformance with Texas Occupations Code Sections 1301.551 and 1301.255, the 2015 International Plumbing Code, including Appendix A as amended herein, shall be and is hereafter adopted as the Municipal Plumbing Code for the City of Paris. The 2015 International Plumbing Code shall apply to regulation and governance of the design, construction, quality of materials, erection, installation, alteration, repair, location, relocation, replacement, addition to, use or maintenance of plumbing systems as herein provided; providing for the issuance of permits and collection of fees therefor.

"(c) Copies of the 2015 International Plumbing Code will be maintained on file in the Office of the City Engineering, Planning and Development Department and the City Public Library, and the provisions thereof shall be controlling as set out herein in the construction of all buildings and other structures within the corporate limits of the city of Paris, Texas."

Section 3. That Chapter 25, Article II, Section 25-17 of the Code of Ordinances of the City of Paris shall be and is hereby amended as set forth in Exhibit A, attached hereto and incorporated by reference herein, and to amend Appendix A to read as follows:

"APPENDIX A
"PLUMBING PERMIT FEE SCHEDULE"

"Permit Issuance"

"1. For issuing each permit... $20.00"

"2. For issuing each supplemental permit... $20.00"

"Unit Fee Schedule"

"1. For each plumbing fixture or trap or set of fixtures on one trap (including water, drainage piping and back flow protection
thereof...$2.50

“2. For each building sewer and each trailer park sewer...$5.00

“3. Rainwater systems—per drain (inside building)...$5.00

“4. For each cesspool (where permitted)...$5.00

“5. For each private sewage disposal system...$5.00

“6. For each water heater and/or vent...$5.00

“7. For each industrial waste pretreatment interceptor including its trap and vent, excepting kitchen-type grease interceptors functioning as fixture traps...$5.00

“8. For installation, alteration or repair of water-piping and/or Water-treating equipment, each...$5.00

“9. For repair or alteration of drainage or vent piping, each fixture...$5.00

“10. For each lawn sprinkler system on any one meter including backflow protection devices therefor...$5.00

“11. For atmospheric-type vacuum breakers not included in Item 2:

1 to 5...$5.00

Over 5, each...$0.50

“12. For each backflow protective device other than atmospheric-type vacuum breakers...$5.00

"Other Inspection Fees

“1. Inspections outside of normal business hours (minimum charge 2 hours)...$10.00 per hour

“2. Reinspection fee assessed under provisions of Sec. 107.4.3...$10.00 each

“3. Inspections for which no fee is specifically indicated (minimum charge one-half hour)...$10.00 per hour

“4. Additional plan review required by changes, additions or revisions to approved plans (minimum charge one-half hour)...$10.00 per hour"
Section 4. That Sections 25-18—25-24 of Chapter 25, Article II shall be repealed in their entirety.

Section 5. That Section 25-25 of Chapter 25, Article II shall be amended to read as follows:

"Sec. 25-25. Violation Penalty.

"Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair plumbing work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code shall be guilty of a misdemeanor punishable by a fine not to exceed $2,000.00, and each every day's continuance of any violation of the violation shall be deemed a separate offense. A violation of this code shall be a strict liability offense."

Section 6. That Chapter 25, Article III, Section 25-36 of the Code of Ordinances of the City of Paris shall be and is hereby amended to read as follows:

"Sec. 25-36. Fuel Gas Code Adopted

"(a) For purposes of this Section, Fuel Gas Code shall mean the 2015 International Fuel Gas Code (sometimes referred to as the 'IFGC') including any and all amendments or revisions or revised additions to the 2015 International Fuel Gas Code.

"(b) The 2015 International Fuel Gas Code, including Appendices A, B, C and D (which are informational only and which shall only be used for reference), shall be and is hereafter adopted as the Municipal Fuel Gas Code for the City of Paris. The 2015 International Fuel Gas Code shall apply to regulation and governance of fuel gas systems and gas-fired appliances as herein provided; providing for the issuance of permits and collection of fees therefor; and providing for the regulations, provisions, penalties, conditions and terms set forth therein.

"(c) Copies of the 2015 International Fuel Gas Code will be maintained on file in the Office of the City Engineering, Planning and Development Department and the City Public Library, and the provisions thereof shall be controlling as set out herein in the construction of all buildings and other structures within the corporate limits of the city of Paris, Texas."

Section 7. That Chapter 25, Article III, Section 25-37 of the Code of Ordinances of the City of Paris shall be and is hereby amended to read as follows:

"Sec. 25-37. Same – Amendments.

"The code adopted by Section 7-36 is hereby amended as set out in this section:
"Section 108.4 Violation penalties, shall be amended to read as follows:

"108.4 Violation penalties. Persons person who shall violate a provision of this code, fail to comply with any of the requirements thereof or erect, install, alter or repair work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a misdemeanor, punishable by a fine of not more than $2,000.00, and each and every day's continuance of any violation of the provisions of this Code shall constitute and be deemed a separate offense. A violation of this code is a strict liability offense."

Section 8. That all provisions of the ordinances of the City of Paris, Texas in conflict with the provisions of this ordinance are hereby repealed, and all other provisions of the ordinances of the City of Paris not in conflict with the provisions of this ordinance shall remain in full force and effect.

Section 9. That the repeal of any ordinance or part of ordinances affected by the enactment of this ordinance shall not be construed as abandoning any action now pending under or by virtue of such ordinance or as discontinuing, abating, modifying, or altering any penalty accruing or to accrue, or as affecting any rights of the municipality under any section or provisions of any ordinance at the time of passage of this ordinance.

Section 10. That it is the intention of the City Council of the City of Paris that this ordinance, and every provision hereof, shall be considered severable, and the invalidity or partial invalidity of any section, clause, or provisions of this ordinance shall not affect the validity of any other portion of this ordinance.

Section 11. That any person violating any provision of this ordinance shall be guilty of a Misdemeanor, and upon conviction, shall be subject to a fine in accordance with provisions of Sec. 1-6 of Chapter One of the City of Paris Code of Ordinances, and each and every day's continuance of any violation of the above-enumerated sections shall constitute and be deemed a separate offense.

Section 12. That this ordinance shall become effective from and after its passage and publication as required by law.

PASSED AND ADOPTED on this 10th day of July, 2017.

Cleonne Drake, Mayor Pro Tem
ATTEST:

Janice Ellis, City Clerk

APPROVED AS TO FORM:

Stephanie H. Harris, City Attorney
Exhibit A
Amendments to the 2015 International Plumbing Code

The following sections, paragraphs, and sentences of the 2015 International Plumbing Code are hereby amended as follows: Standard type is text from the IPC. Underlined type is text inserted. Lined through type is deleted text from the IPC.

Table of Contents, Chapter 7, Section 714. Shall be amended to read as follows:

714 Engineered Computerized Drainage Design .......................... 69

Section 102.8, Referenced codes and standards, shall be amended to read as follows:

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

Sections 106.6.2, Fee schedule, and 106.6.3, Fee refunds, shall be amended to read as follows:

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

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

Section 109, MEANS OF APPEAL, shall be deleted in its entirety and replaced with the following to read as follows:

SECTION 109
MEANS OF APPEAL

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

Section 305.4.1, Sewer depth, shall be amended to read as follows:

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

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

Section 314.2.1, Condensate disposal, shall be amended to read as follows:

314.2.1 Condensate disposal. Condensate from all cooling coils and evaporators shall be conveyed from the drain pan outlet to an approved place of disposal. Such piping shall maintain a horizontal slope in the direction of discharge of not less than one-eighth unit vertical in 12 units horizontal (1 percent slope). Condensate shall not discharge into a street, alley, sidewalk, rooftop, or other areas so as to cause a nuisance.

Section 409.2, Water connection, shall be amended to read as follows:

409.2 Water connection. The water supply to a commercial dishwashing machine shall be protected against backflow by an air gap or backflow preventer in accordance with Section 608. Air gaps shall comply with ASME A112.1.2 or A112.1.3.

Section 412.4, Public laundries and central washing facilities, shall be renamed as Required location for floor drains and amended to read as follows:

412.4 Required location for floor drains Public laundries and central washing facilities. Floor drains shall be installed in the following areas.

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

2. Commercial kitchens. In lieu of floor drains in commercial kitchens, the code official may accept floor sinks.

3. Public restrooms.

Section 419.3, Surrounding material, shall be amended to read as follows:

419.3 Surrounding material. Wall and floor space to a point 2 feet (610 mm) in front of a urinal lip and 4 feet (1219 mm) above the floor and at least 2 feet (610 mm) to each side of the urinal shall be waterproofed with a smooth, readily cleanable, hard, nonabsorbent material.

Section 502.3, Water heaters installed in attics shall be renamed as Appliances in attics and amended to read as follows:

502.3 Water heaters installed in attics. Appliances in attics. Attics containing a water heater shall be provided with an opening and unobstructed passageway large enough to allow removal of the water heater. The passageway shall not be less than 30 inches (762 mm) in height and 22 inches (559 mm) in width and not more than 20 feet (6096 mm) in length when measured along the centerline of the passageway from the opening to the water heater. The passageway shall have continuous solid flooring not less than 24 inches (610 mm) in width. A level service space not less than 30 inches (762 mm) in length and 30 inches (762 mm) in width shall be present at the front or service side of the water heater.
The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm by 762 mm), or larger where such dimensions be not less than 20 inches by 30 inches (508 mm by 762 mm) where such dimensions are large enough to allow removal of the water heater. A walkway to an appliance shall be rated as a floor as approved by the building official. As a minimum, for access to the attic space, provide one of the following:

1. A permanent stair.
2. A pull down stair with a minimum 300 lb (136 kg) capacity.
3. An access door from an upper floor level.
4. Access Panel may be used in lieu of items 1, 2, and 3 with prior approval of the code official due to building conditions.

Section 502, INSTALLATION, shall be amended by adding Section 502.6, Water heaters above ground or floor, to read as follows:

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

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

Section 504.6, Requirements for discharge piping, shall be amended to read as follows:

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

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

Exception: Multiple relief devices may be installed to a single T & P discharge piping system when approved by the administrative authority and permitted by the manufactures installation instructions and installed with those instructions.

5. Discharge to the floor, to an indirect waste receptor or to the outdoors.
6. Discharge in a manner that does not cause personal injury or structural damage.
7. Discharge to a termination point that is readily observable by the building occupants.

8. Not be trapped.

9. Be installed so as to flow by gravity.

10. Terminate not more than 6 inches above and not less than two times the discharge pipe diameter above the floor or flood level rim of the waste receptor.

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

12. Not have valves or tee fittings.

13. Be constructed of those materials listed in Section 605.4 or materials tested, rated and approved for such use in accordance with ASME A112.4.1.

*Section 504.7.1, Pan size and drain, shall be amended to read as follows:*

*Section 504.7.1 Pan size and drain.* The pan shall be not less than 11/2 inches (38 mm) in depth and shall be of sufficient size and shape to receive all dripping or condensate from the tank or water heater. The pan shall be drained by an indirect waste pipe having a diameter of not less than 3/4 inch (19 mm). Piping for safety pan drains shall be of those materials listed in Table 605.4. Multiple pan drains may terminate to a single discharge piping system when approved by the administrative authority and permitted by the manufactures installation instructions and installed with those instructions.

*Section 604.4, Maximum flow and water consumption, shall be amended by adding Section 604.4.1, State maximum flow rate, to read as follows:*

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

*Section 606.1, Location of full-open valves, shall be amended by deleting items #4 and #5 in their entirety.*

*Section 606.2, Location of shutoff valves, shall be amended to read as follows:*

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

1. On the fixture supply to each plumbing fixture other than bathtubs and showers in one- and twofamily residential occupancies, and other than in individual sleeping units that are provided with unit shutoff valves in hotels, motels, boarding houses and similar occupancies.

2. On the water supply pipe to each silocek.

3. On the water supply pipe to each appliance or mechanical equipment.

*Section 608.1, General, shall be amended to read as follows:*

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

Section 608.16.5, Connections to lawn irrigation systems, shall be amended to read as follows:

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

Section 608.17, Protection of individual water supplies, shall be amended to read as follows:

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

Section 610.1, General, shall be amended to read as follows:

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

1. The pipe system shall be flushed with clean, potable water until dirty water does not appear at the points of outlet.

2. The system or part thereof shall be filled with a water/chlorine solution containing at least 50 parts per million (50 mg/L) of chlorine, and the system or part thereof shall be valved off and allowed to stand for 24 hours; or the system or part thereof shall be filled with a water/chlorine solution containing at least 200 parts per million (200 mg/L) of chlorine and allowed to stand for 3 hours.

3. Following the required standing time, the system shall be flushed with clean potable water until the chlorine is purged from the system.

4. The procedure shall be repeated where shown by a bacteriological examination that contamination remains present in the system.

[Exception: With prior approval the Code Official may waive this requirement when deemed un-necessary.]

Section 703.6, Combined sanitary and storm public sewer, shall be deleted in its entirety.

Section 704, DRAINAGE PIPING INSTALLATION, shall be amended by adding Section 704.5, Single stack fittings, to read as follows:

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

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

Exception: A primer is not required where both of the following conditions apply:

1. The solvent cement used is third-party certified as conforming to ASTM D-2564
2. The solvent cement is used only for joining PVC drain, waste, and vent pipe and fittings in non-pressure applications in sizes up to and including 4 inches (102mm) in diameter.

Section 712, SUMPS AND EJECTORS, shall be amended by adding Section 712.5, Dual pump system, to read as follows:

712.5 Dual pump system. All sumps shall be automatically discharged and, when in any “public use” occupancy where the sump serves more than 10 fixture units, shall be provided with dual pumps or ejectors arranged to function independently in case of overload or mechanical failure. For storm drainage sumps and pumping systems, see Section 1113.

Section 714, COMPUTERIZED DRAINAGE DESIGN, shall be renamed ENGINEERED DRAINAGE DESIGN, and Section 714.1, Design of drainage system, shall be amended to read as follows:

SECTION 714
ENGINEERED COMPUTERIZED DRAINAGE DESIGN

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

Section 804, MATERIALS, JOINTS AND CONNECTIONS, shall be amended by adding Section 804.2, Special waste pipe, fittings, and components, to read as follows:

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

Section 903.1, Roof extension, shall be amended to read as follows:

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

Section 917, SINGLE STACK VENT SYSTEM, shall be deleted in its entirety, including all its subsections.

Section 1002.10, Plumbing in mental health centers, shall be deleted in its entirety.

Section 1101.8, Cleanouts required, shall be amended to read as follows:
1101.8 Cleanouts required. Cleanouts or manholes shall be installed in the building storm drainage system and shall comply with the provisions of this code for sanitary drainage pipe cleanouts.

Exception: Subsurface drainage system

Section 1106.1, General, shall be amended to read as follows:

1106.1 General. The size of the vertical conductors and leaders, building storm drains, building storm sewers, and any horizontal branches of such drains or sewers shall be based on six (6) inches per hour the 100-year hourly rainfall rate indicated in Figure 1106.1 or on other rainfall rates determined from approved local weather data.

Section 1108.3, Sizing of secondary drains, shall be amended to read as follows:

1108.3 Sizing of secondary drains. Secondary (emergency) roof drain systems shall be sized in accordance with Section 1106 based on the rainfall rate for which the primary system is sized in Figure 1106.1 or on other rainfall rates determined from approved local weather data. Scuppers shall be sized to prevent the depth of ponding water from exceeding that for which the roof was designed as determined by Section 1101.7. Scuppers shall not have an opening dimension of less than 4 inches (102 mm). The flow through the primary system shall not be considered when sizing the secondary roof drain system.

Section 1109, COMBINED SANITARY AND STORM PUBLIC SEWER, shall be deleted in its entirety.

Section 1202.1, Nonflammable medical gases, shall be amended to read as follows:

1202.1 Nonflammable medical gases. Nonflammable medical gases systems, inhalation anesthetic systems and vacuum piping systems shall be designed and installed in accordance with NFPA 99.

Exceptions:

1. This section shall not apply to portable systems of cylinder storage.

2. Vacuum system exhaust terminations shall comply with the International Mechanical Code.