

**ORDER OF THE COLLIN COUNTY COMMISSIONERS COURT  
ADOPTING THE 2021 EDITION OF THE INTERNATIONAL FIRE CODE  
WITH AMENDMENTS AS THE MODEL FIRE CODE UPON WHICH THE  
COLLIN COUNTY FIRE CODE SHALL BE BASED; ADOPTING  
REFERENCED PORTIONS OF THE NATIONAL FIRE PROTECTION  
ASSOCIATION LIFE SAFETY CODE AND ELECTRIC CODE AS PART  
OF THE COLLIN COUNTY FIRE CODE, APPROVING AMENDMENTS  
TO THE MODEL CODE AS SET FORTH IN EXHIBIT “A” HERETO;  
ADOPTING THE COLLIN COUNTY FIRE CODE; PROVIDING FOR  
ENFORCEMENT AND PENALTIES; ADOPTING A SCHEDULE OF FEES;  
PROVIDING APPEALS; PROVIDING FOR SEVERABILITY; AND  
ESTABLISHING AN EFFECTIVE DATE**

**WHEREAS**, at this time the Fire Code for Collin County is the 2009 Edition of the International Fire Code (hereinafter “IFC”);

**WHEREAS**, § 262.061 of the Texas Local Government Code allows for counties like Collin County to adopt and enforce a Fire Code;

**WHEREAS**, § 262.062(d) of the Texas Local Government Code allows the County Commissioners Court to adopt later editions of the IFC;

**WHEREAS**, it is in the best interest of public safety, health, welfare, and the protection of property for the 2021 Edition of the IFC to be adopted as the Fire Code for Collin County, with the amendments made in the attached Exhibit “A”;

**WHEREAS**, the provisions of the National Fire Protection Association Life Safety Code and National Electric Code cited in the Fire Code should also be adopted for the same reasons; and

**WHEREAS**, the Collin County Fire Code set forth herein should be adopted for the same reasons.

**NOW, THEREFORE, BE IT ORDERED BY THE COLLIN COUNTY COMMISSIONERS COURT** that:

1. The Collin County Fire Code set forth herein, together with its adoption of the 2021 Edition of the IFC, and the amendments attached as Exhibit “A” is hereby ADOPTED;
2. Regulations referred to in the Fire Code from the National Fire Protection Association are hereby ADOPTED;
3. This Fire Code shall take effect upon passage of this Order;
4. Text of Adopted Collin County Fire Code:

**THE COLLIN COUNTY FIRE CODE**

**SECTION 100 GENERAL PROVISIONS**

### **100.1 AUTHORITY**

The Collin County Commissioners Court is the governing body for the County and orders herein:

- a) Under Chapter 233 of the Texas Local Government Code the Commissioners Court is authorized to adopt a fire code and rules necessary to administer and enforce the fire code; and
- b) These regulations adopted by the Commissioners Court shall be known as the Collin County Fire Code, hereinafter referred to as “this code”; and
- c) The Fire Marshal shall have the powers and duties to direct and enforce this code; and
- d) The Collin County Fire Marshal shall be known as the Fire Code Official and, The Authority Having Jurisdiction; and
- e) This code establishes the Department of Fire Prevention and this department will be a division of the Collin County Fire Marshal’s Office.

Therefore, in the interest of the public, this code applies to the County of Collin and the jurisdiction will be the unincorporated areas of Collin County, Texas after the effective date of this code.

### **100.2 SCOPE**

This code is intended to provide minimum requirements, with due regard to function, for the design and construction or substantial improvements of public buildings, commercial establishments, and multi-family residential dwellings consisting of four or more units.

### **100.3 PURPOSE**

The purpose of this code is to protect buildings constructed in the unincorporated area of the county from the risk to life and property from fire and other hazards:

- a) This code establishes the minimum standards for construction to provide for the health, safety and welfare of the residents of those establishments.
- b) This code recognizes fire safety in regard to operation and use of buildings and structures after construction, whether or not their construction was originally subject to this code. The Fire Marshal shall enforce this code with regard to existing operations and shall enforce other laws including his/her authority to inspect for the presence of fire and life safety hazards under Chapter 352 of the Texas Local Government Code.
- c) This code is not intended in any way to limit the statutory authority of the Fire Marshal, and it is intended that such authority be retained to the fullest extent that the law would authorize.
- d) This code is not intended to repeal, abrogate or impair any existing laws, regulations, easements, covenants or deed restrictions. In provisions of this code where this code and other legal requirements conflict or overlap, whichever imposes the more stringent restriction shall prevail.

#### **100.4 REGULATION**

The Collin County Fire Code shall conform to the 2021 Edition of the International Fire Code as published by the International Code Council (ICC) as the code existed on May 1, 2023; and establish protective measures that exceed the standards of the code described herein.

**100.5 REFERENCED CODES AND STANDARDS.** The design and construction of new structures shall comply with this code, and other codes as applicable when referenced in this code. Any alterations, additions, changes in use, or changes in structures are required to comply with this code which is within the scope of this and other referenced codes and shall be made in accordance therewith.

This code means this document, the codes and standards in the referenced document known as the *International Fire Code*, 2021 Edition, including Chapter 47 Referenced Standards, and Appendix D as published by the International Code Council (ICC), including the portions that have been made as additions, insertions, deletions or changes in the Amendments to the 2021 Edition of the *International Fire Code* by the County, and including any other referenced codes and standards. The Authority With Jurisdiction shall have final say over alternative methods to meet the intent of the Collin County Fire Code.

The codes and standards referenced in this code shall be those that are listed in the *International Fire Code*, 2021 Edition Chapter 47 and such codes and standards, when specified in this code, 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 this code or the referenced codes and standards have been adopted each reference to said code and standard shall be considered to reference any adopted amendments as well.

This code may refer to the standards specified in the National Fire Protection Association (NFPA), *NFPA 101 Life Safety Code*. This code recognizes the current edition at the time of application as part of this code as well as any subsequent editions published by the National Fire Protection Association that may be released after the adoption of this code.

Where the *International Fire Code*, current edition, references the International Code Council (ICC), *International Electric Code*, this code shall replace those references with the National Fire Protection Association, *NFPA 70 National Electric Code* (most current Edition at the time of application) as well as any subsequent editions that are published by the National Fire Protection Association.

This code may refer to standards from any publications in this section for an alternative method of obtaining the desired level of fire protection to ensure life safety and property conservation on new construction, or the regulation of buildings constructed prior to the effective date of this code.

#### **100.6 DUTIES OF THE FIRE MARSHAL**

The Fire Marshal's Office shall enforce this code; and

- a) The Fire Marshal shall be known as the Chief of Collin County Fire Marshal's Office; and
- b) The chief and their designees shall have the authority of and function as the Fire Code Officials for the unincorporated areas of Collin County; and
- c) The Fire Marshal shall be the Authority Having Jurisdiction.

#### **100.7 DISCLAIMER OF LIABILITY**

This code does not imply that any building or the uses permitted within any building will be free from a fire or other hazards. This code shall not create liability on the part of Collin County or any officer or employee thereof for any damages that result from reliance on this code or any administrative decision lawfully made based on this code. The granting of a permit or issuance of a Certificate of Occupancy does not imply that the building can be insured for fire coverage.

#### **100.8 APPLICATIONS AND PERMITS**

The Code Official is appointed by the Commissioners Court as its designee with regard to applications for permits and is authorized to receive applications, review construction documents and issue permits for construction regulated by this code, issue permits for operations regulated by this code, inspect the premises for which such permits have been issued and enforce compliance with the provisions of this code and therefore:

- a) A person may not construct or substantially improve a building in the unincorporated area of the county unless the person obtains a building permit issued in accordance with this code.
- b) A person may apply for a building permit by providing to the Fire Code Official:
  - (1) A plan of the proposed building containing information required by this code; and
  - (2) An application fee in an amount set by the fee schedule of this code.
- c) Within 30 days after the date the Fire Code Official receives an application and fee in accordance with this Subsection, the Fire Code Official shall:
  - (1) Issue the permit if the plan complies with the fire code; or
  - (2) Deny the permit if the plan does not comply with the fire code.
- d) If the Fire Code Official receives an application and fee in accordance with Subsection (b) and the Fire Code Official does not issue the permit or deny the application within 30 days after receiving the application and fee, the construction or substantial improvement of the building that is the subject of the application is approved for the purposes of this code.
- e) An applicant who is denied a permit may appeal the Fire Code Official's decision to the Commissioners Court within 30 days of the denial by providing the County Judge with a written Request for Appeal which:

sets forth the decision being appealed, provides the sections of the Fire Code that are at issue; and identifies with specificity why the Fire Code Official's decision is in error. The Commissioners Court shall rule on the appeal no later than 45 days after the request is received. The burden of proof is on the appellant. The Fire Code Official's decision should only be overruled if the error is clear and obvious. The Commissioners Court decision is final. An appeal stays all work or operations on the subject portions of the structure.

### **100.9 CONSTRUCTION PROVISIONS**

This code applies only to the following buildings constructed in the unincorporated area of Collin County:

- a) A commercial establishment;
- b) A public building;
- c) A multi-family residential dwelling consisting of four or more units.

This code does not apply to an industrial facility having a fire brigade that conforms to requirements of the Occupational Health and Safety Administration.

This code recognizes:

- a) "Substantial Improvement" as meaning:
  - 1) The repair, restoration, reconstruction, improvement, or remodeling of a building for which the cost exceeds 50 percent of the building's value according to the certified tax appraisal roll for the county for the year preceding the year in which the work was begun; or
  - 2) Any structure that undergoes any alteration, movement or enlargement due to construction or renovation, horizontal or vertical, that increases the size of the structure in net square footage from the original construction of the structure.
  - 3) A change in occupancy classification involving a change in the purpose or level of activity in a building, including the renovation of a warehouse into a loft apartment.
- b) For purposes of this code, substantial improvement begins on the date that the repair, restoration, reconstruction, improvement, or remodeling or the change in occupancy classification begins or on the date materials are first delivered for that purpose.
- c) For purposes of this code, construction begins on the date that ground is broken for a building, or if no ground is broken, on the date that:
  - 1) The first materials are added to the original property;
  - 2) Foundation pilings are installed on the original property; or
  - 3) A manufactured building or relocated structure is placed on a foundation on the original property.

Construction documents for proposed fire apparatus access, location of fire lanes, types of construction, fire-resistance rated construction, location of fire hydrants, fire protection systems, hydraulic calculations for fire hydrant systems and fire protection systems, fire hazards and means of egress shall be submitted to the Fire Code Official for review and approval.

Construction documents may be submitted for review to a third party that is licensed in the State of Texas and specializes in fire protection plan review services that are not associated with the applying company or their designer, architect or contractor. This option shall require prior approval by the Fire Marshal and/or be requested to be conducted by said third party for a review in which the applicable codes and Collin County Fire Code amendments will be the minimum standards. One (1) copy that has been reviewed by a third party will be submitted to the Fire Code Official for final review and approval prior to construction. This part does not waive or exempt any fees or charges that are associated with the Fee Schedule of this code.

#### **100.10 INSPECTIONS**

The Fire Code Official shall inspect a building subject to this code to determine whether the building complies with the fire code. The Fire Code Official may appoint a designee to perform the inspection of a building.

The Fire Code Official or his/her designee may enter and perform the inspection of a building at a reasonable time at any stage of the building's construction or substantial improvement and after completion of the building:

- a) On or before the date that construction or substantial improvement of a building subject to this subchapter is completed, the owner of the building shall request in writing that the Fire Code Official inspect the building for compliance with the fire code.
- b) The Fire Code Official shall begin the inspection of the building within five (5) business days after the date of the receipt of the written inspection request. If the Fire Code Official is properly requested and the Fire Code Official does not begin the inspection within the time permitted by this subsection, the building that is the subject of the request is considered approved for the purposes of this Section.
- c) The Fire Code Official shall issue a final certificate of compliance to the owner of a building inspected under this section if the inspector determines, after an inspection of the completed building, that the building complies with the fire code.
- d) If the Fire Code Official determines, after an inspection of the completed building, that the building does not comply with the fire code:
  - 1) The Fire Code Official shall deny the certificate of compliance; and
  - 2) The building may not be occupied.

- e) A person or entity denied a certificate of compliance may appeal the Fire Code Official's decision to the Commissioners Court within 30 days of the denial by providing the County Judge with a written Request for Appeal which: sets forth the decision being appealed, provides the sections of the Fire Code that are at issue; and identifies with specificity why the Fire Code Official's decision is in error. The Commissioners Court will rule on the matter no later than 45 days after the request is received. The burden of proof is on the appellant. The Fire Code Official's decision should only be overruled if the error is clear and obvious. The Commissioners Court decision is final. An appeal stays all work or operations on the subject portions of the structure.

Buildings constructed prior to the effective date of this code and buildings constructed after the effective date of this code may be inspected for fire and life safety hazards. The inspections of structures will be for any conditions that endanger the safety of the structure or its occupants and promote or causes fire or combustion, which may include:

- a) The presence of a flammable substance;
- b) A dangerous or dilapidated wall, ceiling, or other structural element;
- c) Improper electrical components, heating or other building services or facilities;
- d) The presence of a dangerous chimney, flue, pipe, main, or stove, or of dangerous wiring;
- e) Dangerous storage, including storage or use of hazardous substances; or
- f) Inappropriate means of egress, fire protection, or other fire-related safeguards.

The inspection of these buildings will be subject to a fee as prescribed by the fee schedule that is a part of this code.

The buildings constructed prior to the effective date of this code shall be subject to the requirements of the *International Fire Code*, any references per Chapter 47, and any adopted amendments of this code when:

- a) There is a change in the occupancy status, or
- b) There is a change in the design or construction of the structure due to restoration, reconstruction, improvements, or remodeling for which the cost exceeds 50 percent of the building's value according to the certified tax appraisal roll for the county for the year preceding the year in which the work was begun, or
- c) Any structure that undergoes any alteration, movement or enlargement due to construction or renovation, horizontal or vertical, that increases the size of the structure in net square footage from the original construction of the structure, or

- d) There is a condition that constitutes a hazard to life safety or danger to property.

### **100.11 FEES**

A portion of this code, the Fee Schedule, is recognized by the Commissioners Court as the Fee Schedule for the purposes of this section and reflect the approximate cost of the inspection personnel, materials used, and administrative overhead to enforce this code and;

- a) The fee schedule is based on building type and include plan reviews, inspections and the issuance of a building permit and final certificate of compliance and,
- b) The county shall deposit fees received under this code in a special fund in the county treasury, and money in that fund may be used only for the administration and enforcement of this code.

### **100.12 VIOLATIONS**

Persons who violate a provision of this code or fail to comply with any of the requirements of this code or who erect, install, alter, repairs or do work in violation of the approved construction documents or directive of the code official, or in violation of a permit or certificate used under provisions of this code shall be subject to punishment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Any person, firm, or corporation operating or maintaining any occupancy, premises or vehicle subject to this code who shall permit any life safety or fire hazard to exist on the premises under their control or who shall fail to take immediate action to abate a life safety or fire hazard when ordered or notified to do so by the Fire Marshal or his/her duly authorized representative shall be guilty of a separate offense for each and every day or portion thereof in which any violation of any of the provisions of this code is committed or continued.

### **100.13 PENALTIES**

The appropriate attorney representing the county in the district court may seek injunctive relief to prevent the violation or threatened violation of the fire code. The county shall deposit amounts collected under this section in a fund and for the purposes described by Texas Local Government Code 233.065(c). The appropriate attorney representing the county in civil cases may file a civil action in a court of competent jurisdiction to recover from a person who violates the fire code or fails to abate an order by the Fire Code Official. The penalty may be in an amount not to exceed \$200.00 for each day on which the violation exists. In determining the amount of the penalty, the court shall consider the seriousness of the violation.

5. The Schedule of Fees attached hereto as Exhibit "B" is ADOPTED.



6. Severability Clause. Should any section, paragraph, sentence, clause, or phrase of this Order, or its application to any person or circumstance, be declared unconstitutional or otherwise invalid for any reason, or should any portion of this Order be pre-empted by state or federal law or regulation, such decision or pre-emption shall not affect the validity of the remaining portions of this Order or its application to other persons or circumstances.

**PASSED** this \_\_\_\_\_ day of May, 2023.

COLLIN COUNTY, TEXAS

By: \_\_\_\_\_

Chris Hill, County Judge

ATTEST:

\_\_\_\_\_  
County Clerk or Designated Deputy

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

The following sections, paragraphs, and sentences of the *2021 International Fire Code* (IFC) are hereby amended as follows: Standard type is text from the IFC. Underlined type is text inserted. ~~Lined through type is deleted text from IFC.~~ A double asterisk (\*\*) at the beginning of a section identifies an amendment carried over from the 2018 edition of the code and a triple asterisk (\*\*\*) identifies a new or revised amendment with the 2021 code.

**\*\*Section 102.1; change #3 to read as follows:**

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

**\*\*Section 105.3.3; change 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 105.6.25; add to read as follows:**

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

**\*\*\*Section 107.3; delete this section in its entirety:**

~~**107.3 Permit valuations.** The applicant for a permit shall provide an estimated permit value at the time of application. Permit valuations shall include the total value of work, including materials and labor, for which the permit is being issued, such as electrical, gas, mechanical, plumbing equipment and permanent systems. If, in the opinion of the fire code official, the valuation is underestimated on the application, the permit shall be denied unless the applicant can show detailed estimates to meet the approval of the fire code official. Final permit valuation shall be set by the fire code official.~~

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

**\*\* [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 or staff has accepted responsibility for care recipients already incapable. This group may include, but not be limited to, the following:

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

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

- Colonic centers
- Psychiatric centers

**\*\* [B] ATRIUM.** An opening connecting ~~two~~ three or more stories... *{remaining text unchanged}*

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

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

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

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

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

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

The following are not considered an upgrade or replacement:

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

**\*\*Section 307.1.1; change 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:** {No change.}

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

**\*\*Section 307.2; change 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 307.3; change to read as follows:**

**307.3 Extinguishment Authority.** ~~When open burning creates or adds to a hazardous situation, or a required permit for open burning has not been obtained, the fire code official is authorized to order the extinguishment of the open burning operation.~~ 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 and 307.4.1; change to read as follows:**

**307.4 Location.** The location for open burning shall not be less than ~~50~~ 300 feet (~~15-240~~ 91 440 mm) from any structure, and provisions shall be made to prevent the fire from spreading to within ~~50~~ 300 feet (~~15-240~~ 91 440 mm) of any structure.

**Exceptions:** {No change.}

**307.4.1 Bonfires.** A bonfire shall not be conducted within 50 feet (15 240 mm), or greater distance as determined by the fire code official, of a structure or combustible material, unless the fire is contained in a barbecue pit. Conditions that could cause a fire to spread within the required setback 50 feet (15 240 mm) of a structure shall be eliminated prior to ignition.

**\*\*Section 307.4.3, Exceptions; add Exception #2 to read as follows:**

**Exceptions:**

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

**\*\*Section 307.4.4 and 307.4.5; change to read as follows:**

**307.4.4 Permanent Outdoor Firepit.** Permanently installed outdoor firepits for recreational fire purposes

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

shall not be installed within 10 feet of a structure or combustible material.

**Exception:** Permanently installed outdoor fireplaces constructed in accordance with the International Residential Code or International Building Code.

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

**\*\*Section 307.5; change 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... *{Remainder of section unchanged}*

**\*\*Section 308.1.4; change to read as follows:**

**308.1.4 Open-flame Cooking Devices.** ~~Charcoal burners and other~~ Open-flame cooking devices, charcoal grills and other similar devices used for cooking 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 where LP-gas containers are limited to a water capacity not greater than 50 pounds (22.68 kg) [nominal 20 pound (9.08 kg) LP-gas capacity] with an aggregate LP-gas capacity not to exceed 100 pounds (5 containers). All LP-gas containers shall be stored outside, as per Chapter 61.
2. Where buildings, balconies and decks are protected by an approved automatic sprinkler system, and LP-gas containers are limited to a water capacity not greater than 50 pounds (22.68 kg) [nominal 20 pound (9.08 kg) LP-gas capacity], with an aggregate LP-gas capacity not to exceed 40 lbs. (2 containers). All LP-gas containers shall be stored outside, as per Chapter 61.
3. LP-gas cooking devices having LP-gas container with a water capacity not greater than 2-1/2 pounds [nominal 1 pound (0.454 kg) LP-gas capacity].

**\*\*Section 308.1.6.2, Exception #3; change to read as follows:**

3. Torches or flame-producing devices in accordance with Section ~~308.4~~ 308.1.3.

**\*\*Section 308.1.6.3; change 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 device containing an open flame or other heat source, such as, but not limited to, a sky lantern.

**\*\*Section 311.5; change to read as follows:**

**311.5 Placards.** ~~Any~~ The fire code official is authorized to require marking of any vacant or abandoned buildings or structures determined to be unsafe pursuant to Section 114 of this code relating to structural or interior hazards, shall be marked as required by Section 311.5.1 through 311.5.5.

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

**\*\*Section 403.4; change to read as follows:**

**403.4 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 403.4.1 through 403.4.3.

**\*\*Section 404.2.2; add Number 4.10 to read as follows:**

4.10. Fire extinguishing system controls.

**\*\*\*Section 405.5; change to read as follows:**

**405.5 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.

**Exceptions:**

1. {No change.}
2. {No change.}
3. Notification of teachers/staff having supervision of light- or sound-sensitive students/occupants, such as those on the autism spectrum, for the protection of those students/occupants, shall be allowed prior to conducting a drill.

**\*\*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. , ~~such protection shall be installed and made serviceable prior to and during the time of construction except when approved alternative methods of protection are provided. Temporary street signs shall be installed at each street intersection when construction of new roadways allows passage by vehicles in accordance with Section 505.2.~~

**\*\*Section 503.1.1; add sentence to read as follows:**

Except for one- or two-family dwellings, the path of measurement shall be along a minimum of a 10 feet (3048 mm) wide unobstructed pathway around the external walls of the structure.

**\*\*Section 503.2.1; change to read as follows:**

**503.2.1 Dimensions.** Fire apparatus access roads shall have an unobstructed width of not less than 20 feet (6096 mm 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 13 feet 6 inches (4115 mm)

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

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; change to read as follows:**

**503.2.2 Authority.** ~~The fire code official shall have the authority to require or permit modifications to the required 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; change Section 503.2.3 to read as follows:**

**503.2.3 Surface.** Fire apparatus access roads shall be designed and maintained to support imposed loads of 85,000 Lbs. for fire apparatus and shall be surfaced so as to provide all-weather driving capabilities.

**\*\*Section 503.3; change to read as follows:**

~~**503.3 Marking.** Where required by the fire code official, approved signs or other approved notices or markings that include the words NO PARKING FIRE LANE 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. The means by which fire lanes are designated 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; change 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 503.2.2 and any area marked as a fire lane as described in Section 503.3 shall be maintained at all times.

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

**\*\*Section 505.1; change 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 ~~4 inches (102 mm)~~ 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 507.4; change 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 or approved documentation of the test shall be provided to the fire code official prior to final approval of the water supply system. 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 507.5.4; change 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 509.1.2; add to read as follows:**



**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

**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.

**\*\*\*Section 605.4 through 605.4.2.2; change to read as follows:**

**605.4 Fuel oil storage systems.** ~~Fuel oil storage systems for building heating systems~~ shall be installed and maintained in accordance with this code. Tanks and fuel-oil piping systems shall be installed in accordance with Chapter 13 of the *International Mechanical Code* ~~and Chapter 57.~~

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

**605.4.1.1 Approval.** Outdoor fuel oil storage tanks shall be in accordance with UL 142 or UL 2085, ~~and also listed as double-wall/secondary containment tanks.~~

**605.4.2 Fuel oil storage inside buildings.** Fuel oil storage inside buildings shall comply with Sections 605.4.2.2 through 605.4.2.8 ~~er~~ and Chapter 57.

**605.4.2.1 Approval.** Indoor fuel oil storage tanks shall be in accordance with UL 80, UL 142 or UL 2085.

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

1. 660 gallons (2498 L) in unsprinklered buildings, where stored in a tank complying with UL 80, UL 142 or UL 2085, and also listed as a double-wall/secondary containment tank for Class II liquids.
2. 1,320 gallons (4996 L) in buildings equipped with an *automatic sprinkler* system in accordance with Section 903.3.1.1, where stored in a tank complying with UL 142 or UL 2085. The tank shall be listed as a secondary containment tank, and the secondary containment shall be monitored visually or automatically.
3. 3,000 gallons (11 356 L) in buildings equipped with an *automatic sprinkler* system in accordance with Section 903.3.1.1, where stored in protected above-ground tanks complying with UL 2085 and Section 5704.2.9.7. The tank shall be listed as a secondary containment tank, as required by UL 2085, and the secondary containment shall be monitored visually or automatically.

**\*\*Section 807.5.2.2 and 807.5.2.3 applicable to Group E occupancies; change 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.

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

**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.

***\*\*Section 807.5.5.2 and 807.5.5.3 applicable to Group I-4 occupancies; change 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 901.6.1.1; add 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 or inspected by an approved camera when foreign material is present or when caps are missing, and also be 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 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.

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

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 901.6.4; add to read as follows:**

**901.6.4 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; change 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. ... {Remaining text unchanged}

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

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

**\*\*Section 903.2; add paragraph to read as follows and delete the Exception for telecommunications buildings:**

Automatic Sprinklers shall not be installed in elevator machine rooms, elevator machine spaces, and

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

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 903.2.4.2; change to read as follows:**

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

**\*\*\*Section 903.2.9.3; change to read as follows:**

**903.2.9.3 Group S-1 distilled spirits or wine.** An automatic sprinkler system shall be provided throughout a Group S-1 fire area used for the bulk storage of distilled spirits or wine involving more than 120 gallons of distilled spirits or wine (>16% alcohol) in the fire area at any one time.

**\*\*Section 903.2.9.4 and 903.2.9.5; delete Exception to 903.2.9.4 and add Section 903.2.9.5 to read as follows:**

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

**Section 903.2.11; change 903.2.11.3 and add 903.2.11.7 and 903.2.11.8, as follows:**

**903.2.11.3 Buildings 55 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 1511 of the *International Building Code*, located 55 feet (16 764 mm) or more above the lowest level of fire department vehicle access, measured to the finished floor.

**Exception:**

1. ~~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 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.

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

**903.3.1.1.1 Exempt Locations.** When approved by the *fire code official*, automatic sprinklers shall not be required in the following rooms or areas where such ... {text unchanged}... because it is damp, of fire-

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

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, where approved by the fire 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; change to read as follows:**

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

1. Four stories or less above grade plane.
2. The floor level of the highest story is ~~30~~ 35 feet (9144 10668 mm) or less above the lowest level of fire department vehicle access.
3. The floor level of the lowest story is ~~30~~ 35 feet (9144 10668 mm) or less below the lowest level of fire department vehicle access.

{No change to remainder of section.}

**\*\*\*Section 903.3.1.2.2; change to read as follows:**

**903.3.1.2.2 Corridors and balconies in the means of egress.** Sprinkler protection shall be provided in all corridors and for all balconies. ~~in the means of egress where any of the following conditions apply:~~  
{Delete the rest of this section.}

**\*\*Section 903.3.1.2.3; delete section and replace as follows:**

**Section 903.3.1.2.3 Attached Garages and Attics.** Sprinkler protection is required in attached garages and in the following attic spaces:

1. Attics that are used or intended for living purposes or storage shall be protected by an automatic sprinkler system.
2. Where fuel-fired equipment is installed in an unsprinklered attic, not fewer than one quick-response intermediate temperature sprinkler shall be installed above the equipment.
3. Attic spaces of buildings that are two or more stories in height above grade plane or above the lowest level of fire department vehicle access.
4. Group R-4, Condition 2 occupancy attics not required by Item 1 or 3 to have sprinklers shall comply with one of the following:
  - 4.1. Provide automatic sprinkler system protection.

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

- 4.2. Provide a heat detection system throughout the attic that is arranged to activate the building fire alarm system.
- 4.3. Construct the attic using noncombustible materials.
- 4.4. Construct the attic using fire-retardant-treated wood complying with Section 2303.2 of the International Building Code.
- 4.5. Fill the attic with noncombustible insulation.

**\*\*Section 903.3.1.3; change 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 903.3.1.4; add 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; add a second paragraph to read as follows:**

Water supply as required for such systems shall be provided in conformance with the supply requirements of the respective NFPA 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; 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.

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

**\*\*Section 903.4.2; add second paragraph to read as follows:**

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

**\*\*Section 905.3.9; add 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, semi-automatic dry, and manual dry standpipes are allowed as provided for in NFPA 14 where approved by the fire code official.
2. R-2 occupancies of four stories or less in height having no interior corridors.

**\*\*Section 905.4; change Items 1, 3, and 5, and add Item 7 to read as follows:**

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.  
**Exception:** {No change.}
2. {No change.}
3. In every exit passageway, at the entrance from the exit passageway to other areas of a building.  
**Exception:** Where floor areas adjacent to an exit passageway are reachable from an ~~interior~~ exit stairway hose connection by a {remainder of text unchanged}
4. {No change.}
5. Where the roof has a slope less than 4 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. {No change.}
7. When required by this Chapter, standpipe connections shall be placed adjacent to all required exits to the structure and at two hundred feet (200') intervals along major corridors thereafter, or as otherwise approved by the fire code official.

**\*\*\*Section 905.8; change to read as follows:**

**905.8 Dry standpipes.** Dry standpipes shall not be installed.

**Exception:** Where subject to freezing and in accordance with NFPA 14. Additionally, 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 Supervisory alarm.

**\*\*Section 905.9; add a second paragraph after the exceptions to read as follows:**

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

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 906.1(1); delete Exception 3 as follows:**

~~3. In storage areas of Group S occupancies where forklift, powered industrial truck or powered cart operators are the primary occupants, fixed extinguishers, as specified in NFPA 10, shall not be required where in accordance with all of the following:~~

- ~~3.1. Use of vehicle-mounted extinguishers shall be approved by the fire code official.~~
- ~~3.2. Each vehicle shall be equipped with a 10-pound, 40A:80B:C extinguisher affixed to the vehicle using a mounting bracket approved by the extinguisher manufacturer or the fire code official for vehicular use.~~
- ~~3.3. Not less than two spare extinguishers of equal or greater rating shall be available on-site to replace a discharged extinguisher.~~
- ~~3.4. Vehicle operators shall be trained in the proper operation, use and inspection of extinguishers.~~
- ~~3.5. Inspections of vehicle-mounted extinguishers shall be performed daily.~~

**\*\*Section 907.1.4; add 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; change to read as follows:**

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

**Exception:** {No change.}

Activation of fire alarm notification appliances shall:

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



**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

**\*\*Section 907.2.3; change 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. {No change.}

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

{No change to remainder of exceptions.}

**\*\*\*Section 907.2.10; change to read as follows:**

**907.2.10 Group S.** A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group S public- and self-storage occupancies ~~three stories or greater in height~~ for interior corridors and interior common areas. Visible notification appliances are not required within storage units.

Exception: {No change.}

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

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

**\*\*Section 907.4.2.7; add to read as follows:**

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

**\*\*Section 907.6.1.1; add 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

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

less.

**\*\*Section 907.6.3; delete all four Exceptions.**

**\*\*Section 907.6.6; add sentence at end of paragraph to read as follows:**

See 907.6.3 for the required information transmitted to the supervising station.

**\*\*Section 910.2; change Exceptions #2 and 3 to read as follows:**

2. Only manual smoke and heat removal shall ~~not~~ 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 ~~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 910.2.3; add to read as follows:**

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

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

**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 910.4.3.1; change 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 ~~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 m<sup>2</sup> per 0.4719 m<sup>3</sup>/s) of smoke exhaust.

**\*\*Section 912.2.3; add 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.

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

**\*\*Section 913.2.1; add second paragraph and Exception to read as follows:**

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

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

**\*\*Section 914.3.1.2; change to read as follows:**

**914.3.1.2 Water Supply to required Fire Pumps.** In all buildings that are more than ~~420~~ 120 feet (428 ~~36.6 m~~) in *building height*, ~~and buildings of Type IVA and IVB construction that are more than 120 feet (36.6 m) in building height,~~ required fire pumps shall be supplied by connections to no fewer than two water mains located in different streets. Separate supply piping shall be provided between each connection to the water main and the pumps. Each connection and the supply piping between the connection and the pumps shall be sized to supply the flow and pressure required for the pumps to operate.

**Exception:** {No change to exception.}

**\*\*\*Section 1006.2.1; change Exception #3 to read as follows:**

**1006.2.1 Egress based on occupant load and common path of egress travel distance.** Two exits or exit doorways from any space shall be provided where the design occupant load or the common path of egress travel distance exceeds the values listed in Table 1006.2.1. The cumulative occupant load from adjacent rooms, areas or space shall be determined in accordance with Section 1004.2.

**Exceptions:**

1. {No change.}
2. {No change.}
3. Unoccupied rooftop mechanical rooms and penthouses are not required to comply with the common path of egress travel distance measurement.

**\*\*Section 1009.8; add Exception #7 to read as follows:**

**Exceptions:**

1. through 6. {No change.}
7. Buildings regulated under State Law and built in accordance with State registered plans, including variances or waivers granted by the State, shall be deemed to be in compliance with the requirements of Section 1009 and Chapter 11.

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

**\*\*Section 1010.2.5; change Exceptions #3 and 4 to read as follows:**

**Exceptions:**

1. {No change.}
2. {No change.}
3. Where a pair of doors serves an occupant load of less than 50 persons in a Group B, F, M or S occupancy. (remainder unchanged)
4. Where a pair of doors serves a Group A, B, F, M or S occupancy (remainder unchanged)
5. {No change.}

**\*\*Section 1020.2; add Exception #6 to read as follows:**

**Exceptions:**

1. through 5. {No change.}
6. In unsprinklered 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 must activate self-annunciating alarms audible in all areas within the corridor. Smoke detectors must be connected to an approved automatic fire alarm system where such system is provided.

**\*\*\*Section 1030.1.1.1; add Exception #4 to read as follows:**

**Exceptions:**

1. through 3. {No change.}
4. Where alternative means or methods are submitted to and approved by the Building and Fire Officials.

**\*\*Section 1032.2; change to read as follows:**

**1032.2 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 ~~where the building area served by the means of egress is occupied~~. An *exit* or *exit passageway* shall not be used for any purpose that interferes with a means of egress.

**\*\*Section 1103.3; add sentence to end of paragraph as follows:**

Provide emergency signage as required by Section 604.4.

**\*\*Section 1103.5.1; add sentence to read as follows:**

Fire sprinkler system installation shall be completed within 24 months from date of notification by the fire code official.

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

**\*\*Section 1103.5.6; add to read as follows:**

**1103.5.6 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 1103.7.7; add to read as follows:**

**1103.7.7 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.

**1103.7.7.1 Communication requirements.** Refer to Section 907.6.6 for applicable requirements.

**\*\*\*Section 1203; change and add to read as follows:**

**1203.1.1** {No change.}

**1203.1.2** {No change.}

**1203.1.3 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.

**1203.1.4** {No change.}

**1203.1.5 Load Duration.** Emergency power systems and standby power systems shall be designed to provide the required power for a minimum duration of 2 hours without being refueled or recharged, unless specified otherwise in this code.

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

**1203.1.6 through 1203.1.9** {No changes to these sections.}

**1203.1.10 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.

**1203.2 Where Required.** Emergency and standby power systems shall be provided where required by Sections 1203.2.1 through 1203.2.4~~26~~ or elsewhere identified in this code or any other referenced code.

**1203.2.1 through 1203.2.3** {No change.}

**1203.2.4 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

Group A Occupancies, Sections 907.2.1 and 907.5.2.2

Special Amusement Areas, Section 907.2.12 and 914.7

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

High-rise Buildings, Section 907.2.13 and 914.3

Atriums, Section 907.2.14 and 914.4

Deep Underground Buildings, Section 907.2.19 and 914.5

**1203.2.5 through 1203.2.14** {No change.}

**1203.2.15 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)

**1203.2.16 Membrane Structures.** Emergency power shall be provided for *exit* signs in temporary tents and membrane structures in accordance with Section 3103.12.6. (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.

**1203.2.17** {No change.}

**1203.2.18 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:

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

Atriums, *International Building Code*, Section 404.7

Underground Buildings, *International Building Code*, Section 405.8

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

Stages, *International Building Code*, Section 410

Special Amusement Areas (as applicable to Group A's), *International Building Code*, Section 411

Smoke Protected Seating, Section 1030.6.2

**1203.2.19** {No change.}

**1203.2.20 Covered and Open Mall Buildings.** Emergency power shall be provided in accordance with Section 907.2.20 and 914.2.

**1203.2.21 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.

**1203.2.22 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 909.20.7.2.

**1203.2.23 Elevator Pressurization.** Standby power shall be provided for elevator pressurization system as required by the *International Building Code*, Section 909.21.5.

**1203.2.24 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.

**1203.2.25 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 504.11, Item 7.

**1203.2.26 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.)

**1203.3 through 1203.6** {No change.}

**\*\*Section 2304.1; change to read as follows:**

**2304.1 Supervision of Dispensing.** The dispensing of fuel at motor fuel-dispensing facilities shall be conducted by a qualified attendant or shall be under the supervision of a qualified attendant at all times or

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

shall be in accordance with ~~Section 2204.3.~~ 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; delete this section in its entirety.**

**\*\*Section 3103.3.1; delete this section in its entirety**

**\*\*Table 3206.2, footnote h; change text to read as follows:**

~~h. Not required~~ 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 • 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.

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

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

**\*\*\*Section 3311.1; change to read as follows:**

**Section 3311.1 Required access.** Approved vehicle access for firefighting and emergency response shall be provided to all construction or demolition sites. Vehicle access shall be provided to within ~~400~~ 50 feet (~~30-480~~ 15 240 mm) of temporary or permanent fire department connections. Vehicle access shall be provided by either temporary or permanent roads, capable of supporting vehicle loading under all weather conditions. Vehicle access shall be maintained until permanent fire apparatus access roads are available. When fire apparatus access roads are required to be installed for any structure or development, access shall be approved prior to the time which construction has progressed beyond completion of the foundation of any structure. Whenever the connection is not visible to approaching fire apparatus, the fire department connection shall be indicated by an approved sign.

**\*\*Section 5601.1.3; delete this section in its entirety:**

**5601.1.3 Fireworks.** ~~The possession, manufacture, storage, sale, handling, and use of fireworks are~~

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

prohibited.

**\*\*Section 5703.6; add sentence to end of paragraph to read as follows:**

An approved method of secondary containment shall be provided for underground tank and piping systems.

**\*\*Section 5704.2.11.4; change to read as follows:**

**5704.2.11.4 Leak Prevention.** Leak prevention for underground tanks shall comply with Sections 5704.2.11.4.1 and 5704.2.11.4.2 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; change 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 5704.2.11.4.3; add 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, of which a minimum of two are required.

**\*\*Section 5707.4; add paragraph to read as follows:**

Mobile fueling sites shall be restricted to commercial, industrial, governmental, or manufacturing, where the parking area having such operations is primarily intended for employee vehicles. Mobile fueling shall be conducted for fleet fueling or employee vehicles only, not the general public. Commercial sites shall be restricted to office-type or similar occupancies that are not primarily intended for use by the public.

**\*\*Section 6103.2.1.8; add 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.



**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

**\*\*Section 6104.2; add Exception #2 to read as follows:**

**Exceptions:**

1. {existing text unchanged}
2. Except as permitted in Sections 308 and 6104.3.3, LP-gas containers are not permitted in residential areas.

**\*\*Section 6104.3.3; add to read as follows:**

**6104.3.3 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 and 6109.13; change 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 ~~NEPA 58~~ Section 312.

**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.

~~**Exception:** Vehicle impact protection shall not be required for protection of LP-gas containers where the containers are kept in lockable, ventilated cabinets of metal construction.~~

**\*\*{Appendix B Fire-Flow Requirements For Buildings amendments}**

**\*\*Table B105.2; change footnote a. to read as follows:**

- a. The reduced fire-flow shall be not less than 4,000 1,500 gallons per minute.

**\*\*\*{Appendix D Fire Apparatus Access Roads amendments}**

**\*\*\*Section D102.1; change to read as follows:**

**D102.1 Access and loading.** Facilities, buildings or portions of buildings hereafter constructed shall be accessible to fire department apparatus by way of an *approved* fire apparatus access road with an asphalt, concrete or other *approved* driving surface capable of supporting the imposed load of fire apparatus weighing up to 75,000 85,000 pounds (34 050 38 556 kg).

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
 Collin County Fire Marshal

**\*\*\*Section D103.4; change to read as follows:**

**D103.4 Dead ends.** Dead-end fire apparatus access roads in excess of 150 feet (45 720 mm) shall be provided with width and turnaround provisions in accordance with Table D103.4.

**TABLE D103.4**  
**REQUIREMENTS FOR DEAD-END FIRE APPARATUS ACCESS ROADS**

LENGTH (feet)	WIDTH (feet)	TURNAROUNDS REQUIRED
0–150	<del>20</del> 24	None required
151–500	<del>20</del> 24	120-foot Hammerhead, 60-foot “Y” or 96-foot diameter cul-de-sac in accordance with Figure D103.1
501–750	26	120-foot Hammerhead, 60-foot “Y” or 96-foot diameter cul-de-sac in accordance with Figure D103.1
Over 750		Special approval required

For SI: 1 foot = 304.8 mm.

**\*\*\*Section D103.5; change Item 1 to read as follows:**

**D103.5 Fire apparatus access road gates.** Gates securing the fire apparatus access roads shall comply with all of the following criteria:

1. Where a single gate is provided, the gate width shall be not less than ~~20~~ 24 feet (~~6096~~ 7315.2 mm). Where a fire apparatus road consists of a divided roadway, the gate width shall be not less than 12 feet (3658 mm).

**\*\*\*Section D103.6; change to read as follows:**

**D103.6 Signs–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.

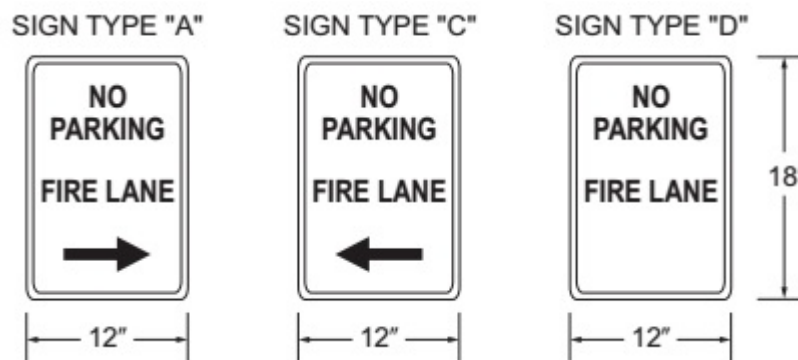
**(1) Striping** – Fire apparatus access roads shall be continuously marked by painted lines of red traffic paint six inches (6”) in width to show the boundaries of the lane. The words “NO PARKING FIRE LANE” or “FIRE LANE NO PARKING” shall appear in four inch (4”) white letters at 25 feet intervals on 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 (See Figure D103.6). Signs shall have red letters on a white reflective

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
 Collin County Fire Marshal

background, using not less than 2" lettering. Signs shall be permanently affixed to a stationary post and the bottom of the sign shall be six feet, six inches (6'6") above finished grade. Signs shall be spaced not more than fifty feet (50') apart along both sides of the fire lane. Signs may be installed on permanent buildings or walls or as approved by the Fire Chief.

Where required by the *fire code official*, fire apparatus access roads shall be marked with permanent "NO PARKING—FIRE LANE" signs complying with Figure D103.6, or other approved method. Signs shall have a minimum dimension of 12 inches (305 mm) wide by 18 inches (457 mm) high and have red letters on a white reflective background. Signs shall be posted on one or both sides of the fire apparatus road as required by Section D103.6.1 or D103.6.2.



**FIGURE D103.6**  
**FIRE LANE SIGNS**

**\*\*\*Section D103.6.1 and D103.6.2; delete sections as follows:**

**D103.6.1 Roads 20 to 26 feet in width.** *Fire lane* signs as specified in Section D103.6 shall be posted on both sides of fire apparatus access roads that are 20 to 26 feet wide (6096 to 7925 mm).

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

**\*\*\*Section D104.3; change to read as follows:**

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

**\*\*\*Section D105.3; change to read as follows:**

**D105.3 Proximity to building.** Unless otherwise approved by the fire code official, one or more of the required access routes meeting this condition shall be located not less than 15 feet (4572 mm) and not greater than 30 feet (9144 mm) from the building, and shall be positioned parallel to one entire side of the

**Exhibit A**  
**Additions, Insertions, Deletions,**  
**And Changes to International Fire Code,**  
**2021 Edition**  
Collin County Fire Marshal

building. The side of the building on which the aerial fire apparatus access road is positioned shall be *approved* by the *fire code official*.

---

**\*\*\*Section D106.3; change to read as follows:**

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

---

**\*\*\*Section D107.2; change to read as follows:**

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

---

**END**

# Exhibit "B"-----Adopted Fee Schedule FY 2023

## **.FIRE MARSHAL**

	<b>MIN.</b>	<b>MAX.</b>	<b>UNIT</b>	<b>OTHER</b>	<b>AUTHORITY</b>	<b>COMMENTS AND NOTES</b>
Building/Site Plan Review	\$0.20		Per sq. ft.			
Certificate of Compliance	\$100.00				LGC 233.065	For issuance of certificate of compliance per adopted Fire Code.
Construction Permits - Automatic Fire-Extinguishing Systems 1-20 heads	\$100.00		Per permit		IFC 105.7	
Construction Permits - Battery System	\$100.00		Per Construction Site		IFC 105.7.2	
Construction Permits - Egress Control/Security/Privacy Gates	\$50.00		Per permit		IFC 105.7	
Construction Permits - Liquefied Petroleum Gases	\$100.00		Per Construction Site		IFC 105.7	
Construction Permits - Temporary membrane structures, tents or canopies	\$100.00		Per unit		IFC 105.7	
Construction Permits - Temporary structures and uses	\$100.00		Per unit		IFC 105.7	

# Exhibit "B"-----Adopted Fee Schedule FY 2023

## **FIRE MARSHAL**

	<b>MIN.</b>	<b>MAX.</b>	<b>UNIT</b>	<b>OTHER</b>	<b>AUTHORITY</b>	<b>COMMENTS AND NOTES</b>
Construction Permits -Automatic Fire-Extinguishing Systems >500	\$250.00		Per permit	Plus \$.50 cents per additional head over 500	IFC 105.7	
Construction Permits -Automatic Fire-Extinguishing Systems 21-250 heads	\$175.00		Per permit		IFC 105.7	
Construction Permits -Automatic Fire-Extinguishing Systems 251-500 heads	\$250.00		Per permit		IFC 105.7	
Construction Permits -Automatic Fire-Extinguishing Systems Commercial Cooking	\$75.00		Per permit		IFC 105.7	
Construction Permits -Fire Alarm/Detection Related Equipment >500 devices	\$350.00		Per permit	Plus \$ .50 cents per additional device	IFC 105.7	
Construction Permits -Fire Alarm/Detection Related Equipment 1-10 devices	\$100.00		Per permit		IFC 105.7	
Construction Permits -Fire Alarm/Detection Related Equipment 11-25 devices	\$175.00		Per permit		IFC 105.7	
Construction Permits -Fire Alarm/Detection Related Equipment 151-500 devices	\$350.00		Per permit		IFC 105.7	

# Exhibit "B"-----Adopted Fee Schedule FY 2023

## **FIRE MARSHAL**

	<b>MIN.</b>	<b>MAX.</b>	<b>UNIT</b>	<b>OTHER</b>	<b>AUTHORITY</b>	<b>COMMENTS AND NOTES</b>
Construction Permits -Fire Alarm/Detection Related Equipment 26-150 devices	\$250.00		Per permit		IFC 105.7	
Construction Permits -Fire Hydrant Systems - Private	\$50.00		Per hydrant		IFC 105.7	
Construction Permits -Fire Pumps and Related Equipment	\$100.00		Per permit		IFC 105.7	
Construction Permits -Flammable and Combustible Liquids - Construction Use	\$100.00		Per Construction Site		IFC 105.7	
Construction Permits -Stand Pipe Systems	\$50.00		Per standpipe		IFC 105.7	
Copy of Reports	\$0.10		Per page		Govt. Code 552.261(a-c)	
Fax Transmittal Fee	\$1.50			\$1.50 first page, \$1 each additional page	Comm. Ct Order 92-385-04-13	
Fireworks - Display/Show	\$100.00		Per Display/Show		IFC 105.6.36	
Fireworks - Indoor Stand	\$200.00		Per Stand		IFC 105.6.36	

# Exhibit “B”-----Adopted Fee Schedule FY 2023

## ***FIRE MARSHAL***

	<b>MIN.</b>	<b>MAX.</b>	<b>UNIT</b>	<b>OTHER</b>	<b>AUTHORITY</b>	<b>COMMENTS AND NOTES</b>
Fireworks - Outdoor Stand	\$100.00		Per Stand		IFC 105.6.36	
Inspection - Commercial/Public >250,000 each 10,000 Square Feet	\$25.00			Annual Inspection	IFC 106	
Inspection - Commercial/Public 100,001-250,000 Square Feet	\$175.00			Annual Inspection	IFC 106	
Inspection - Commercial/Public 12,001-25,000 Square Feet	\$75.00			Annual Inspection	IFC 106	
Inspection - Commercial/Public 1-5,000 Square Feet	\$25.00			Annual Inspection	IFC 106	
Inspection - Commercial/Public 25,001-50,000 Square Feet	\$100.00			Annual Inspection	IFC 106	
Inspection - Commercial/Public 50,001-100,000 Square Feet	\$125.00			Annual Inspection	IFC 106	
Inspection - Commercial/Public 5001-12,000 Square Feet	\$50.00			Annual Inspection	IFC 106	
Inspection - Multi Family Residences	\$50.00			Annual Inspection - per building	IFC 106	



# Exhibit “B”-----Adopted Fee Schedule FY 2023

## ***FIRE MARSHAL***

	<b>MIN.</b>	<b>MAX.</b>	<b>UNIT</b>	<b>OTHER</b>	<b>AUTHORITY</b>	<b>COMMENTS AND NOTES</b>
Inspection After Hours	\$50.00		Per hour	minimum 2 hours	IFC 106	
Operational Permit - Aerosol Products	\$50.00		Per permit		IFC 105.6.1	
Operational Permit - Amusement Building	\$75.00		Per permit		IFC 105.6.2	
Operational Permit - Aviation Facilities	\$50.00		Per permit		IFC 105.6.3	
Operational Permit - Carnivals & Fairs	\$100.00		Per permit		IFC 105.6.4	
Operational Permit - Cellulose Nitrate Film	\$50.00		Per permit		IFC 105.6.5	
Operational Permit - Combustible Dust-Producing Operations	\$50.00		Per permit		IFC 105.6.6	
Operational Permit - Combustible Fibers	\$50.00		Per permit		IFC 105.6.7	
Operational Permit - Compressed Gases	\$50.00		Per permit		IFC 105.6.8	
Operational Permit - Covered Mall Building	100.00		Per permit		IFC 105.6.9	
Operational Permit - Cryogenic Fluids	\$50.00		Per permit		IFC 105.6.10	

# Exhibit “B”-----Adopted Fee Schedule FY 2023

## ***FIRE MARSHAL***

	<b>MIN.</b>	<b>MAX.</b>	<b>UNIT</b>	<b>OTHER</b>	<b>AUTHORITY</b>	<b>COMMENTS AND NOTES</b>
Operational Permit - Cutting and Welding	\$50.00		Per permit/job		IFC 105.6.11	
Operational Permit - Dry Cleaning Plants	\$50.00		Per permit		IFC 105.6.12	
Operational Permit - Exhibits and Trade Shows	\$75.00		Per permit		IFC 105.6.13	
Operational Permit - Explosives	\$500.00		Per permit		IFC 105.6.14	
Operational Permit - Fire Hydrant and Valves	\$50.00		Per permit		IFC 105.6.15	
Operational Permit - Flammable and Combustible Liquids	\$75.00		Per permit		IFC 105.6.16	
Operational Permit - Floor Finishing	\$50.00		Per permit		IFC 105.6.17	
Operational Permit - Fruit and Crop Ripening	\$50.00		Per permit		IFC 105.6.18	
Operational Permit - Fumigation and Thermal Insecticide Fogging	\$50.00		Per permit		IFC 105.6.19	
Operational Permit - Hazardous Materials	\$50.00		Per permit		IFC 105.6.20	

# Exhibit “B”-----Adopted Fee Schedule FY 2023

## ***FIRE MARSHAL***

	<b>MIN.</b>	<b>MAX.</b>	<b>UNIT</b>	<b>OTHER</b>	<b>AUTHORITY</b>	<b>COMMENTS AND NOTES</b>
Operational Permit - High Piled Storage	\$50.00		Per permit		IFC 105.6.22	
Operational Permit - Hot Work Operations	\$50.00		Per unit/job		IFC 105.6.23	
Operational Permit - HPM Facilities	\$50.00		Per permit		IFC 105.6.21	
Operational Permit - Industrial Ovens	\$50.00		Per permit		IFC 105.6.24	
Operational Permit - Liquid/Gas fueled Vehicles/Equipment in Assembly Building	\$50.00		Per permit		IFC 105.6.26	
Operational Permit - LP Gas	\$100.00		Per permit		IFC 105.6.27	
Operational Permit - Lumber Yards and Woodworking Plands	\$50.00		Per permit		IFC 105.6.25	
Operational Permit - Magnesium	\$50.00		Per permit		IFC 105.6.28	
Operational Permit - Miscellaneous Combustible Storage	\$50.00		Per permit		IFC 105.6.29	
Operational Permit - Open Flames and Candles	\$50.00		Per permit		IFC 105.6.32	

# Exhibit “B”-----Adopted Fee Schedule FY 2023

## ***FIRE MARSHAL***

	<b>MIN.</b>	<b>MAX.</b>	<b>UNIT</b>	<b>OTHER</b>	<b>AUTHORITY</b>	<b>COMMENTS AND NOTES</b>
Operational Permit - Open Flames and Torches	\$50.00		Per permit		IFC 105.6.31	
Operational Permit - Organic Coatings	\$50.00		Per permit		IFC 105.6.33	
Operational Permit - Places of Assembly	\$50.00		Per permit		IFC 105.6.34	
Operational Permit - Private Fire Hydrants	\$50.00		Per permit		IFC 105.6.35	
Operational Permit - Pyroxylin Plastics	\$50.00		Per permit		IFC 105.6.38	
Operational Permit - Refrigeration Equipment	\$50.00		Per permit		IFC 105.6.39	
Operational Permit - Repair Garages and Motor Fuel Dispensing Facilities	\$50.00		Per permit		IFC 105.6.40	
Operational Permit - Rooftop Heliports	\$50.00		Per permit		IFC 105.6.41	
Operational Permit - Spraying or Dipping	\$75.00		Per permit		IFC 105.6.42	
Operational Permit - Storage of Scrap Tires and Tire Byproducts	\$50.00		Per permit		IFC 105.6.43	

# Exhibit “B”-----Adopted Fee Schedule FY 2023

## *FIRE MARSHAL*

	<b>MIN.</b>	<b>MAX.</b>	<b>UNIT</b>	<b>OTHER</b>	<b>AUTHORITY</b>	<b>COMMENTS AND NOTES</b>
Operational Permit - Temporary Membrane Structures, Tents, Canopies "non-construct"	\$50.00		Per permit		IFC 105.6.44	
Operational Permit - Tire rebuilding Plants	\$50.00		Per permit		IFC 105.6.45	
Operational Permit - Waste Handling	\$50.00		Per permit		IFC 105.6.46	
Operational Permit - Wood Products	\$50.00		Per permit		LGC 233.061	
Re-Inspection				\$25.00, after 2nd failed inspection	IFC 105.7	
Returned Check, Credit Cards and Debit Cards	\$15.00	\$30.00		Not less than \$15	LGC 118.141; LGC 132.004	For checks paid to the county and returned by the bank.
Stop Payment Order	\$20.00			Not to exceed \$20	LGC 118.143	For placement of stop-payment order on check issued by the county