

AN ORDINANCE OF THE CITY OF COPPELL, TEXAS

ORDINANCE NO. 2025-1627

AN ORDINANCE OF THE CITY OF COPPELL, TEXAS AMENDING THE CODE OF ORDINANCES BY AMENDING CHAPTER 15, BY REPEALING ARTICLE 15-1 BUILDING CODE, ARTICLE 15-2 NATIONAL ELECTRICAL CODE, ARTICLE 15-3 MECHANICAL CODE, ARTICLE 15-4 PLUMBING CODE, ARTICLE 15-5 FIRE CODE, ARTICLE 15-6 FUEL GAS CODE, ARTICLE 15-7 ENERGY CONSERVATION CODE, ARTICLE 15-8 RESIDENTIAL CODE BY REPEALING SAID ARTICLES IN THEIR ENTIRETY INCLUDING AMENDMENTS THERETO; AND, REPLACING WITH A NEW ARTICLE 15-1 OTHER CODES ADOPTED, ARTICLE 15-2 BUILDING CODE, ARTICLE 15-3 RESIDENTIAL CODE AND TO ADOPT THE INTERNATIONAL RESIDENTIAL CODE, 2024 EDITION, AS THE CITY OF COPPELL RESIDENTIAL BUILDING CODE; ARTICLE 15-4 NATIONAL ELECTRICAL CODE AND TO ADOPT THE NATIONAL ELECTRICAL CODE, 2023 EDITION, AS THE CITY OF COPPELL ELECTRICAL CODE; ARTICLE 15-5 FIRE CODE, ARTICLE 15-6 MECHANICAL CODE, ARTICLE 15-7 PLUMBING CODE, AND ARTICLE 15-8 FUEL GAS CODE AND THE AMENDMENTS THERETO; PROVIDING A PENALTY FOR VIOLATION OF THIS ORDINANCE NOT TO EXCEED THE SUM OF TWO THOUSAND DOLLARS (\$2,000.00) FOR EACH OFFENSE; AND PROVIDING AN EFFECTIVE DATE.

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

SECTION 1. That the City of Coppel Code of Ordinances be, and the same is, hereby amended by amending Chapter 15, Article 15-1 Building Code, Article 15-2 National Electrical Code, Article 15-3 Mechanical Code, Article 15-4 Plumbing Code, Article 15-5 Fire Code, Article 15-6 Fuel Gas Code, Article 15-7 Energy Conservation Code, Article 15-8 Residential Code, by repealing said articles in their entirety, including amendments thereto; and, replacing with a new Article 15-1 Construction Chapter, Article 15-2 Building Code, Article 15-3 Residential Building Code, Article 15-4 National Electrical Code, Article 15-5 Fire Code, Article 15-6 Mechanical Code, Article 15-7 Plumbing Code, And Article 15-8 Fuel Gas Code and the amendments thereto, to establish Chapter 15-1, Other Codes Adopted to read as follows:

“CHAPTER 15-1. OTHER CODES ADOPTED

Article 15-1 Construction.

Sec. 15-1-1 Construction Ordinance Established:

This chapter and the sections of ordinance pertaining to construction establishes the requirements of the City of Coppell for all persons engaged in activities governed by the adopted building codes and ordinances, and the properties affected by such activities.

Sec. 15-1-2. Contractor Registration.

- (a) Registration Required.** Any person or firm performing work which requires a permit as stated in the adopted building codes and ordinances of the City must first register with the City of Coppell as a contractor through the administrative processes in place at the time of application or registration renewal.
- (1) Exception:** A homeowner performing work on their primary residence and its property (referred to as a homestead) may register as a contractor to perform work on their own property without having to meet the general liability insurance requirements of a general contractor.
- (b) False Representation in Registration Deemed Unlawful.** It shall be unlawful for any person, firm, or corporation to represent themselves or a business as a registered contractor in the City of Coppell without having first properly registered with the City, or to falsely identify a registered contractor on a permit without the registrant's consent.
- (c) Transfer of registration.** It shall be unlawful for any person, firm, or corporation to lend, rent, or transfer a contractor registration issued by the City of Coppell to another person, firm, or corporation for any purpose.
- (d) Revocation of registration.** A contractor registration issued by the City of Coppell may be revoked by the Chief Building Official for the following:

 - (1)** Falsification of any portion of an application for registration or falsification of an inspection result.
 - (2)** Any person, firm, or corporation who has been found guilty in municipal court of violations of this code.
 - (3)** Threatening or abusive behavior towards City staff or City representatives.

- (4) Continuous disregard for, or refusal to comply with, City policies, building codes, and ordinances.
- (e) **Notice of revocation of contractor registration.** The Chief Building Official shall provide proper notice in writing to the person, firm or corporation holding a contractor registration of the revocation of their registration. Notice shall be deemed effective on the post date of certified mail.
- (f) **Appeal of revocation.** The holder of a revoked registration may appeal the decision of the Chief Building Official by requesting a public hearing made in writing to the Chairman of the Board of Adjustment within ten (10) days of the posted date of the certified letter noticing the revocation. The Board of Adjustment shall meet at the next scheduled meeting and consider the appeal.

Sec. 15-1-3 Plans and specifications. With each application for a permit and where required by the Chief Building Official or designee for enforcement of any provision of this Code, plans, specifications and calculations shall be submitted in the quantity deemed necessary by the Chief Building Official or designee. When deemed necessary to ensure code compliance, the Chief Building Official or designee may require plans and specifications to be prepared by an architect or engineer licensed by the State of Texas. All drawings, specifications and accompanying data involved with the practice of architecture or engineering shall comply with state and local laws governing the practice of architecture or engineering, and acceptable industry standards.

- (a) **Information on plans and specifications.** Plans and specifications shall be drawn to scale and submitted in accordance with the administrative process in place. All documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of the relevant code and all relevant laws, ordinances, rules and regulations.

Sec. 15-1-4. Allowable work hours. There shall be no construction activity related to the erection, excavation, demolition, alteration, or repair of any building, fence, swimming pool, spa, flatwork, structure, or accessory structure outside the allowable work hours of 7:00 a.m. to 7:00 p.m., Monday through Friday; and 9:00 a.m. to 7:00 p.m. on Saturdays, Sundays, and federally recognized holidays.

The City Manager or designee may issue a written permit to exceed these hours for reasons determined by the city manager or designee to be necessary for the public's health, safety, or welfare.

Sec. 15-1-5. Construction site conditions. It is the responsibility of the property owner and the permit holder to ensure that the entirety of the area affected by the scope of work is maintained as follows:

- (a) Trash must be placed in a container and contained below the overflow line in a dumpster supplied and/or maintained by waste hauling by the permit holder.
- (b) City streets, alleys, curbs, and sidewalks must be free of any obstructions or damage. Any obstruction or damaged streets, alleys, curbs, or sidewalks must be removed or repaired by the property owner and permit holder in accordance with the applicable ordinance and city standards.
- (c) No construction materials or equipment may be stored in the city right-of-way, street or alley, or on a property other than the permitted property without written consent of the affected property owner.
- (d) Construction materials that **are not listed** for direct exposure to the elements that will be stored on site must be protected from the elements.
- (e) Vehicles associated with the project cannot be parked in, or otherwise block, a fire lane or block access to a public right-of-way, street, alley or pedestrian way unless approved by the City's Fire Marshal and the Public Works Department.

- (f) Adequate restroom facilities must be provided and maintained on the permit site, out of the City's right-of-way, street, alley, or public site adequate to provide for the maximum number of workers on site per day.
- (g) All job sites will adhere to OSHA standards and ensure the safety of permit holder, employees, and City staff on site. Failure to provide a safe environment or otherwise exposure for City employees will result in the requested inspections being failed and no further inspections performed on site until the site has been made safe.

Sec. 15-1-6 Permits. In addition to the requirements set forth in the applicable codes or ordinances of the City, the following permit requirements shall be observed:

- (a) City-issued building permits shall be posted in a conspicuous location observable from the street with the jobsite address is addressed from as well as the public alley if the location is served by a public alley.
- (b) City-approved plans must be maintained on site at all times. Any alterations from the approved plans will result in failure to conduct inspections until the plans are revised, resubmitted and approved by the City Building Officer or designee. Continued deviations from the approved plans may result in the issuance of a citation and permit revocation.

Sec. 15-1-7 Temporary Construction fence.

- (a) A permit holder or owner s required to construct and maintain a temporary construction fence for any residential and commercial property where a building permit has been issued for an exterior construction project.
- (b) The temporary fence may be constructed with metal, plastic, or other acceptable materials with or without screening.

- (c) The temporary fence and all screening must be maintained in a good condition.
- (d) A temporary fence must be erected and maintained on site while the permit is active prior to the beginning of the actual construction. Any property where the primary building permit has expired will require the removal and disposal of the fence offsite except in order to protect the jobsite or area of construction in a safe manner or will be subject to be in violation of the City's ordinances.

Sec. 15-1-8 Inspections. All work for which a permit is required by this Chapter shall be subject to inspection by the Chief Building Official or designee. No portion of any scope of work intended to be concealed shall be concealed until inspected and approved by the Chief Building Official or designee. The Chief Building Official, designee, or City shall be liable for expenses incurred in the removal or destruction inspection of the portion uninspected or concealed consumer of the work to allow necessary inspection.

- (a) **Inspection requests.** It shall be the duty of the permit holder to notify the Chief Building Official or designee that such work is ready for inspection at least one working day before such inspection is scheduled. Such requests shall be made through the administrative offices of the building official. It shall be the duty of the permit holder to provide access to and means for proper inspection of such work.
- (b) **Reinspections.** A reinspection fee may be assessed for each inspection or reinspection when such portion of work for which inspection is called is not complete or when required corrections are not made. Reinspection fees may be assessed when the approved plans are not readily available to the Inspector, for failure to provide access on the date for which inspection is requested, or

for deviating from plans requiring the approval of the Chief Building Official or designee. In instances where reinspection fees have been assessed, no additional inspection of the work will be performed until the required fees have been paid.

Sec. 15-1-9 Appeals board. Any reference to an appeals board found in the City of Coppell Building Code, Electrical Code, Plumbing Code, Mechanical Code or Fire Code, shall mean The Building and Standards Commission of the City of Coppell. The building and standards commission shall act in accordance with the procedures prescribed for the appeals board in the aforementioned codes.

ARTICLE 15-2. BUILDING CODE

Sec. 15-2-1. Building Code – Adopted.

There is hereby adopted the International Building Code, 2024 Edition, and all appendices, and made a part hereof for all purposes, the same as if fully copied in full herein, with the exception of such sections hereof, which are hereafter deleted, modified or amended.

Sec. 15-2-2. Amendments.

The following sections of the International Building Code, 2024 Edition, are hereby amended to read and applied as follows:

1. Amend Section 101.1 to read as follows:

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

2. Amend Section 101.4 to read as follows:

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

be considered to reference the amendments as well. Any reference to NFPA 70 or the ICC Electrical Code shall mean the National Electrical Code as adopted.

3. Amend Section 101.4.8 by adopting the following:

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

4. Amend Section 103.1 to read as follows:

103.1 Creation of enforcement agency. The Building Inspections department is hereby created and the official in charge shall be the known as the building official. The function of the agency shall be the implementation, administration, and enforcement of the provisions of this code.

5. Amend Section 105.2 to read as follows:

105.2 Work Exempt from Permit. Exemptions from permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any laws or ordinances of this jurisdiction. Permits shall not be required for the following:

Building:

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

6. Amend Section 107.1 to read as follows:

107.1 General. A complete set of construction documents prepared by a registered design professional, special inspections information, and structural observation programs and other data shall be submitted with each permit application through the administrative process in use at the time of application. Where special conditions exist, the building official is authorized to require additional construction documents prepared by a registered design professional. **Exception:** The *building official* is authorized to waive the submission of construction documents and other data not required to be prepared by a registered design professional if it is found that the nature of the work applied for is such that reviewing of construction documents is not necessary to obtain compliance with this code.

7. Amend Section 109.4 to read as follows:

109.4 Work Commencing before Permit Issuance. Any person who commences work on a building, structure, electrical, gas, mechanical or plumbing system before obtaining the necessary permits shall be subject to an investigation fee collected whether or not a permit is subsequently issued. The investigation fee shall be equal to the amount of the permit fee required by this code, not to exceed Two Thousand Dollars (\$2,000.00), subject to the aforesaid limitation. The payment of such investigation fee shall not exempt any person from compliance with all other provisions of this code nor from any penalty prescribed by law.

8. Amend Section 109.6 to read as follows:

109.6 Plan Review Fees. Plan review fees are as stated in the Council-approved fee schedule. Plan review fees are not refundable.

9. Insert Section 109.6.1 to read as follows:

109.6.1 Refunds. The *building official* may authorize refunding of not more than 80 percent of the permit fee which was erroneously paid or collected, except for plan review fees as described.

10. Insert Section 109.7 to read as follows:

Section 109.7 Re-inspection fees. A fee as established by City Council resolution may be charged when:

1. The inspection called for is not ready when the inspector arrives;
2. No building address or permit card is clearly posted;
3. City approved plans are not on the job site available to the inspector;

4. The building is locked or work otherwise not available for inspection when called;
5. The job site is red-tagged twice for the same item;
6. The original red tag has been removed from the job site;
7. Failure to maintain erosion control, trash control or tree protection. Any re-inspection fees assessed shall be paid before any more inspections are made on that job site.

11. Amend Section 113 to read as follows:

The Building and Standards Commission shall act as the Board of Appeals.

12. Section 113.3 Qualifications shall be deleted in its entirety.

13. Amend Section 202 by adopting new definitions, to read as follows:

HIGH RISE BUILDING. A building with an occupied floor located more than 55 feet (16764 mm) above the lowest level of fire department vehicle access.

14. Amend Section 403.3 by deleting the exception in its entirety.

15. Amend Section 901.6 by adopting subsection 901.6.4, to read as follows:

901.6.4 False Alarms. False alarms shall not be given, signaled or transmitted or caused or permitted to be given, signaled or transmitted in any manner. The technician performing maintenance on any system capable of transmitting an alarm to the Emergency Dispatch Center shall notify the appropriate center, as well as the monitoring company for the property, prior to any work being performed on the system. In addition, the technician shall notify the Emergency Dispatch Center, as well as the monitoring company for the property, immediately upon placing the system back in service.

16. Amend Section 901.7 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 accidental activations, the fire department and the Fire Marshal shall be notified immediately and, where required by the Fire Marshal, the building shall either be evacuated or an approved fire watch standby personnel shall be provided for all occupants left unprotected by the shut down until the fire protection system has been returned to service. Where utilized, fire watch standby personnel shall be provided with at least one approved means for notification of the fire department and their only duty shall be to perform constant patrols of the protected premises and keep watch for fires.

17. Amend Section 903.1.1 to read as follows:

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

18. Amend Section 903.2 by adding thereto; deleting the exception; and by adopting Subsection 903.2.13, to read as follows:

903.2 Where required. In addition to the remainder of 903.2, an approved automatic fire extinguishing system (fire sprinkler system) shall be installed and maintained in accordance with the current versions of NFPA 13, Standard for the Installation of Sprinkler Systems and NFPA 25 Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems in the following occupancies:

1. All new buildings and new additions to existing buildings greater than 5,000 square feet.
2. All new windowless buildings or buildings with a basement, regardless of square footage.
3. All new Group R buildings, excluding single family dwellings. Protection is required throughout all living areas, including, but not limited to small rooms and enclosed attached garages.
4. All buildings or structures, two (2) or more stories or thirty-five feet (35') in height, excluding Group R-3.
5. All Group R-3 building with a gross square footage greater than 10,000 square feet.
6. All Group R-3 occupancies which contain two or more separate dwelling units.
Residential or quick response standard sprinklers shall be used in the dwelling units.
7. All Group R-1 occupancies. Residential or quick response standard sprinklers shall be used in the dwelling units and guest room portions of the building.
8. All Group A-5 occupancies greater than 1,000 square feet.
9. All Group A-2 occupancies greater than 2,000 square feet, unless Type I or II construction is utilized for the building, then greater than 5,000 square feet.
10. All Group H and Group I occupancies regardless of square footage.
11. Throughout all occupancies classified as 'self-service storage facility'.
12. F-1 and S-1 occupancies used for manufacture or storage of upholstered furniture or mattresses greater than 2,500 square feet.

903.2.13 General. The following fire and life safety items are required for
4918-9993-1709 v.1

applicable buildings. The system shall be designed according to NFPA standards on all floors of the building.

All buildings equipped with an approved automatic sprinkler system shall also be equipped with an approved, monitored fire alarm system, meeting the requirements of NFPA 72 and this code. In addition to the building requirements listed above, the following requirements must be met:

1. Where standpipes are required, all standpipe locations are to be marked by painting the entire drop "Safety RED" with blue retro-reflective tape at 1 and 10-foot levels above valves. Where standpipes are located in office areas, cabinets shall be readily distinguishable from surrounding wall coverings.
2. All personnel doors are to be numbered in six-inch (6") high numbers on the inside and outside of the doors. The numbering is to begin at the pump room and continue counterclockwise around the building. The pump room is to have "PUMP ROOM" on the outside of the door in minimum six-inch (6") high letters. On all buildings without a pump room, the first personnel door to the right of the main entrance is to be labeled door "1" and continue in a counterclockwise direction. Doors are to be numbered sequentially with the personnel doors or alphabetical symbols are to be used. No personnel doors and dock doors are to be labeled with the same number. All numbers are to be of a contrasting color to the background.
3. Zone maps and operational instructions are to be posted at each fire alarm panel.
4. A plan showing the location of each pull station, duct detector, mechanical smoke exhaust fan and personnel door locations (by door number) shall be located at each alarm panel.
5. Each sprinkler riser shall be identified by a unique four-inch (4") number above the main valve. If the sprinkler riser, 4-inch or larger, passes through a ceiling, wall or enclosure, an additional four-inch (4") number shall be placed on the riser pipe at a point that is easily visible from floor level. A plan showing the coverage area of each system shall be posted adjacent to the fire alarm panel.
6. Fire sprinkler risers/fire pump rooms shall be directly accessible from an exterior door. The room shall be properly sized for adequate personnel maneuverability and serviceability. Room without a pump, minimum size of fifty-six square feet (56 sq. ft.), with a minimum dimension of seven feet (7'); with a pump, minimum size of 100 square feet (100 sq. ft.), with a minimum dimension of ten feet (10'). Exterior weatherproof strobe shall be installed.

7. Evacuation of Buildings. Upon any fire alarm activation, all occupants shall immediately evacuate all portions of the building and shall remain outside of the structure until it has been determined that it is safe to return.

19. Amend Subsections 903.3.1.1 and 903.3.1.1.1 to read as follows and by deleting Subsection 903.3.1.1.2 in its entirety:

903.3.1.1 NFPA 13 sprinkler systems. Where the provisions of this code require that a building or portion thereof be equipped throughout with an automatic sprinkler system, sprinklers shall be installed throughout in accordance with NFPA 13, latest edition, except as provided in Sections 903.3.1.1.1.

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 rooms are protected with an approved fire detection system in accordance with Section 907.2 that will respond to visible or invisible particles of combustion. Sprinklers shall not be omitted from any room merely because it is damp, of fire-resistance rated construction or contains electrical equipment.

1. Any room where the application of water, or the combination of flame and water, constitutes a serious life or fire hazard.
2. Any room or space where sprinklers are considered undesirable because of the nature of the contents, when approved by the fire code official.

20. Amend Subsection 903.3.1.2 to read as follows:

903.3.1.2 NFPA 13R sprinkler systems. Where allowed in buildings of Group R, up to and including four stories in height, automatic sprinkler systems shall be installed throughout in accordance with NFPA 13R, as amended to include small rooms, closets, balconies and attached enclosed garages.

21. Amend Subsection 903.3.5 by adding the following:

903.3.5 Water supplies. Water supplies for automatic sprinkler system shall comply with this section and the standards referenced in Section 903.3.1. The potable water supply shall be protected against backflow in accordance with the requirements of this section and the International Plumbing Code. Water supplies as required for such systems shall be provided in conformance with the supply requirements of the respective standards; however, every fire protection system shall be designed with a

4918-9993-1709 v.1

10-psi safety factor.

When any portion of the facility or buildings protected is in excess of 150 feet from a water supply on a public street, as measured by an approved route around the exterior of the facility or building, additional fire hydrants and mains capable of supplying the required fire flow shall be required. Additional hydrant locations shall be based on fire load, internal fire protection systems, required fire flow, vehicular traffic, fire lanes, and other special circumstances. Fire hydrants shall be spaced no farther than six hundred feet (600') in residential areas and three hundred feet (300') in other than residential areas, measured center-on-center. These distances may be modified when sufficient data is provided showing equivalent fire protection can be maintained. Fire hydrants shall be located no closer than three feet (3') nor farther than six feet (6') from a fire lane. Fire supply lines shall be looped systems with no dead-end mains or fire lines greater than one hundred fifty feet (150') in length unless approved by the Fire Marshal.

22. Amend Section 903.3.7 to read as follows:

903.3.7 Fire Department Connections. Fire Department Connections (FDC) shall not be located in or on structures, unless otherwise approved by the Fire Marshal. The FDC shall be located no closer than three feet (3') nor farther than six feet (6') from a fire lane. The line from the FDC to the sprinkler riser shall be isolated from any hydrant through the use of an approved check valve. At no time shall the FDC increase pressure to any fire hydrant. The FDC shall be located no farther than fifty feet (50') from a fire hydrant and shall be located on the same side of the fire lane as the hydrant. The FDC shall be installed at a height not to exceed thirty inches (30"), in accordance with the City of Coppell Engineering Standards and Details, FDC shall be equipped with approved Knox® locking caps.

23. Amend Section 903.4 and the Exceptions thereto to read as follows:

903.4 Sprinkler system supervision and alarms. All valves controlling the water supply for automatic sprinkler systems, pumps, tanks, water levels and temperatures, critical air pressures, and water-flow switches on all sprinkler systems shall be electronically supervised.

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, not to exceed 120 seconds. All control valves in the sprinkler and standpipe systems, except for the fire department hose connection valves, shall be electrically supervised to initiate a supervisory signal at the central station upon

turning or operating the valve.

Exceptions:

1. Automatic sprinkler systems protecting one-and two-family dwellings.
2. Jockey pump control valves that are sealed or locked in the open position.
3. Control valves to commercial kitchen hoods, spray booths or dip tanks that are sealed or locked in the open position.
4. Valves controlling the fuel supply to fire pump engines that are sealed or locked in the open position.
5. Trim valves to pressure switches in dry, pre-action and deluge sprinkler systems that are sealed or locked in the open position.
6. Manual Dry Standpipe system must be supervised with a minimum of 10 psig and a maximum of 40 psig air pressure with a high/low alarm.

24. Amend Section 905.1 to read as follows:

905.1 General. Standpipe systems shall be provided in new buildings and structures in accordance with Sections 905.2 through 905.11. In buildings used for high-piled combustible storage, fire protection shall be in accordance with Chapter 32.

All buildings greater than 20,000 square feet, except for Group R-3, shall be equipped with 2 ½" hose valve stations. The hose valve locations shall be supplied by a minimum 2 ½" line from the automatic fire sprinkler system. The hose valve stations shall consist of a 2 ½" valve. A demand of a minimum of 150 GPM shall be included in the hydraulic calculations. Spacing for the hose valves shall be based on hundred feet (100') hose lay and thirty feet (30') of stream, beginning at the nearest fire department entry door.

25. Amend Section 907.1 by adopting Subsection 907.1.4 to read as follows:

907.1.4 Design standards. Where a new fire alarm system is installed, the devices shall be addressable.

All fire alarm systems shall be installed in such a manner that the failure of any single alarm-actuating or alarm-indicating device will not interfere with the normal operation of any other devices.

All fire alarm system communicators shall be capable of sending point (smoke detector, manual pull station, water flow, etc.) specific data to central station monitoring companies.

Exception: Existing systems need not comply unless the total building remodel or expansion exceeds 25% of the original building.

26. Amend Section 907.2.1 to read as follows and by deleting the exception thereto:

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

27. Amend Section 907.2.1.1 to read as follows:

907.2.1.1 System Initiation in Group A Occupancies with an Occupant Load of Three Hundred (300) or more. Activation of the fire alarm in Group A occupancies with an occupancy load of three hundred (300) or more shall immediately initiate an approved prerecorded message announcement using an approved voice communication system in accordance with NFPA 72 that is audible above the ambient noise level of the occupancy.

Exception: When approved, the prerecorded announcement is allowed to be manually deactivated for a period of time, not to exceed three (3) minutes, for the sole purpose of allowing a live voice announcement from an approved, constantly attended location.

28. Amend Section 907.2.2 to read as follows and by deleting the exceptions thereto:

907.2.2 Group B. A manual fire alarm system shall be installed in Group B occupancies having an occupant load of 500 or more persons or more than 100 persons above or below the lowest level of exit discharge or contain an ambulatory care facility.

29. Amend Section 907.2.3 to read as follows and by deleting the exceptions thereto:

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 fire extinguishing systems or automatic fire alarm systems are installed, such systems or detectors shall be connected

to the building fire alarm system. An approved smoke detection system shall be installed in all Group E daycare occupancies. All buildings, whether portable buildings or the main building, will be considered one building for alarm occupant load consideration and interconnection of alarm system.

30. Amend Subsection 907.2.4 to read as follows and by deleting the exception thereto:

907.2.4 Group F. A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group F occupancies greater than 75,000 gross square feet or are two or more stories in height.

31. Amend Section 907.2.13 to read as follows and by deleting the exceptions thereto:

907.2.13 High-rise Buildings. Buildings with a floor used for human occupancy located more than fifty-five feet (55') above the lowest level of fire department vehicle access shall be provided with an automatic smoke detection system in accordance with Section , a fire department communications system in accordance with Section 907.2.13.2 and an emergency voice/alarm communication system in accordance with Section 907.5.2.2.

32. Amend Subsection 907.6.3 to read as follows.

907.6.3 Initiating device identification. The fire alarm system shall identify the specific initiating device address, location, device type, floor level where applicable and status including indication of normal, alarm, trouble and supervisory status, as appropriate.

33. Amend Section 910.4 by adding the following:

910.4 Mechanical smoke exhaust. Where approved by the fire code official, engineered mechanical smoke removal systems shall be an acceptable alternative to smoke and heat vents. In buildings equipped with an Early Suppression Fast Response (ESFR) sprinkler system or a Class IV sprinkler system, curtain boards and smoke and heat vents are to be eliminated, and an approved mechanical smoke removal system utilized. This system shall have a manual override system in addition to the vent controls located in the protected area. A separate Fire Department access or key switch may be required at a remote location in the building. Each individual fan shall be capable of being activated by a fireman's override switch located in the pump room. Design of the mechanical smoke and heat removal system shall be based on a minimum of four (4) air changes per hour. When activated by the fire alarm, all

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other mechanical ventilation systems shall shut down. Fans shall be capable of continuous operation even after main building power has been deactivated.

34. Amend Subsection 910.4.3 by adding the following:

910.4.3 System design criteria. The mechanical smoke removal system shall be sized to exhaust the building at a minimum rate of four (4) air changes per hour based upon the volume of the building or portion thereof without contents. The capacity of each exhaust fan shall not exceed 30,000 cubic feet per minute.

Supply air for exhaust fans shall be provided at or near the floor level and shall be sized to provide a minimum of twenty-five percent (25%) of required exhaust. Openings for supply air shall be uniformly distributed around the periphery of the area served. Personnel doors and dock doors shall not be considered as part of the supply air system.

This system must de-activate all fans upon initiation of the fire alarm system. The system shall have a manual override system in addition to the vent controls located in the protected area. A separate Fire Department access or key switch may be required at a remote location in the building. Each individual fan shall be capable of being activated by a fireman's override switch located in the pump room. Design of the mechanical smoke and heat removal system shall be based on a minimum of four (4) air changes per hour. When activated by the fire alarm, all other mechanical ventilation systems shall shut down. Fans shall be capable of continuous operation even after main building power has been deactivated.

A 3rd party Fire Protection Engineer report may be evaluated on a case-by-case basis. The City of Coppell will not be responsible for the report costs. Submission of the report is not a guarantee that the above system design criteria will not be required to be followed.

35. Delete section 1011.14 Alternating tread devices in its entirety.

36. Section 1020.2; add exception 6 to read as follows:

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

ARTICLE 15-3. RESIDENTIAL CODE

Sec. 15-3-1. Residential Code - Adopted.

There is hereby adopted the International Residential Code, 2024 Edition, and made a part hereof for all purposes, the same as if fully copied in full herein, with the exception of such sections hereof, which are hereafter deleted, modified or amended.

Section 15-3-2 Amendments.

The following sections of the International Residential Code, 2024 Edition, are hereby amended to read as follows:

1. Amend Section R101.1 to read as follows:

R101.1 Title. These regulations shall be known as the *Building Code* of the City of Coppell, hereinafter referred to as “this code.”

2. Amend Section R103.1 to read as follows:

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

3. Section R104.10.1 Flood Hazard areas shall be deleted in its entirety.

4. Amend Section R105.2 to read as follows:

R105.2 Work Exempt from Permit. Exemptions from permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any laws or ordinances of this jurisdiction. Permits shall not be required for the following:

Building:

1. Water tanks supported directly on grade if the capacity does not exceed 5,000 gallons (18,927L) and the ratio of the height to

diameter does not exceed 2 to 1.

2. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
3. Prefabricated swimming pools that are less than 24 inches (610mm) deep or have walls entirely above the adjacent grade and if the capacity does not exceed 5,000 gallons (18927 L).
4. Swings and other playground equipment accessory to a one- or two-family dwelling.
5. Window awnings supported by an exterior wall.

5. Section R105.3.1.1 shall be deleted in their entirety.

6. Amend Section 106.1 to read as follows:

106.1 General. A complete set of construction documents prepared by a registered design professional, special inspections information, and structural observation programs and other data shall be submitted with each permit application through the administrative process in use at the time of application. Where special conditions exist, the building official is authorized to require additional construction documents prepared by a registered design professional.

Exception: The *building official* is authorized to waive the submission of construction documents and other data not required to be prepared by a registered design professional if it is found that the nature of the work applied for is such that reviewing of construction documents is not necessary to obtain compliance with this code.

7. Amend Section R112.1.1 to read as follows:

Section R112.1.1 Building and Standards Commission. In order to hear and decide appeals of orders, decisions or determinations made by the *building official* relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals to be called the Building and Standards Commission. The board of appeals shall be appointed by the applicable governing authority and shall hold office per the posted schedule. The board shall adopt rules of procedure for

conducting its business and shall render all decisions and findings in writing to the appellant with a duplicate copy to the *building official*.

8. Section R112.3 Qualifications shall be deleted in its entirety.

9. Amend Table R301.2(1) as follows: (No changes to footnotes)

TABLE R301.2(1)

GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY ^f	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP ^e	ICE BARRIER UNDER- LAYMENT ^h	FLOOD HAZARDS ^g	AIR FREEZING INDEX ⁱ	MEAN ANNUAL TEMP ^j
	Speed ^d (MPH)	Topographic Effects ^k	Special Wind Region ^l	Windborne Debris		Weathering ^a	Frost Line Depth ^b	Termite ^c					
5 lb/ft	115 (3 sec gust) / 76 fastest mile	No	No	No	A	Moderate	6"	Very Heavy	22 ⁰ F	No	Local Code	150	64.9 ⁰ F

10. Amend Section 309.2 to read as follows:

R313.2 NFPA 13R Sprinkler Systems. When buildings of Group R used for one-and two-family dwellings have a total floor area in excess of 10,000 square feet, including garages and open covered porches, automatic sprinkler systems shall be installed throughout in accordance with NFPA 13R.

Exception: An automatic residential fire sprinkler system shall not be required for additions or alterations to existing buildings that are not already provided with an automatic residential sprinkler system if under 10,000 square feet. If the addition or alteration increases the square footage over 10,000 square feet it shall also be sprinklered.

11. Amend Section R308.1, to read as follows:

R308.1 Address identification. Buildings shall be provided with approved address identification. The address identification shall be legible and placed in a position that is plainly visible from the street or road fronting the property and where an alley exists, the address identification shall be legible and placed in a position that is plainly visible from the alley. Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers.

Numbers shall not be spelled out. Each character shall be not less than 4 inches (102 mm) in height with a stroke width of not less than 0.5 inch (12.7 mm). Where required, address identification shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building address cannot be viewed from the public way, a monument or other sign or means shall be used to identify the structure. Address identification shall be maintained.

12. Amend Section R401.2 by adding a new paragraph following the existing paragraph to read as follows:

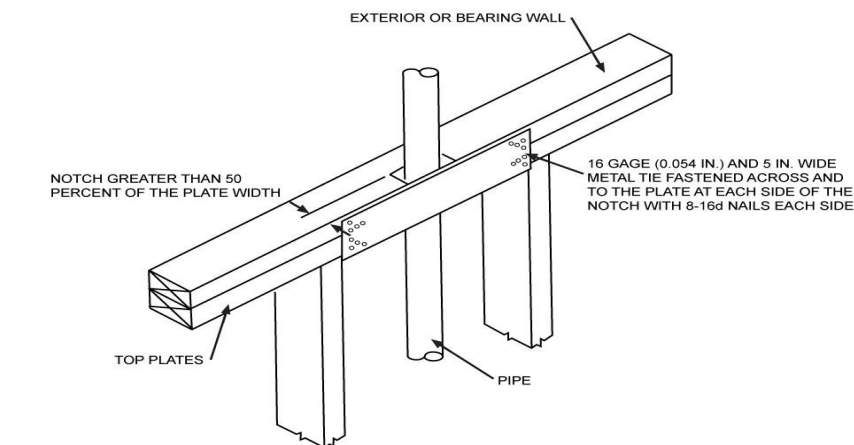
Section R401.2. Requirements. Foundations and/or footings, or any size addition to an existing foundation, regulated by this code shall be designed and sealed by a Texas-registered engineer. Construction shall be capable of accommodating all loads in accordance with Section R301 and of transmitting the resulting loads to the supporting soil. Fill soils that support footings and foundations shall be designed, installed and tested in accordance with accepted engineering practice.

13. Amend Section R602.6.1, to read as follows:

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

See figure R602.6.1. {remainder unchanged}

14. Delete Figure R602.6.1. and insert the following figure:



For SI: 1 inch = 25.4 mm

FIGURE R602.6.1
TOP PLATE FRAMING TO ACCOMMODATE PIPING

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

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

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

16. **Amend Section M1305.1.2, to read as follows:**

M1305.1.2 Appliances in attics. *Attics* containing *appliances* requiring access shall be provided . . . {bulk of paragraph unchanged} . . . A walkway to an appliance shall be rated as a floor as approved by the building official. As a minimum, for access to the attic space, provide one of the following:

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

Exceptions:

1. The passageway and level service space are not required where the appliance can be serviced and removed through

the required opening.

2. Where the passageway is unobstructed... {remaining text unchanged}

17. Amend Section G2412.5(401.5) by adding a second paragraph to read as follows:

Both ends of each section of medium pressure gas piping shall identify its operating gas pressure with an approved tag. The tags are to be composed of aluminum or stainless steel and the following wording shall be stamped into the tag: "WARNING 1/2 to 5 psi gas pressure Do Not Remove."

18. Amend Section G2413.3 by adding an exception to read as follows:

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

19. Amend Section G2415.12 to read as follows:

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

20. Amend Section G2415.12.1 (404.12.1) to read as follows:

G2415.12.1 Individual outside appliances. Individual lines to outside lights, grills or other appliances shall be installed a minimum of 12 inches (203 mm) below finished grade.... {Rest unchanged}.

21. Amend Section P2603.5.1 to read as follows:

P2603.5.1 Sewer Depth. Building sewers shall be a minimum of 12 inches (304 mm) below grade.

22. Create new section Appendix Q to read as follows:

Appendix Q: Sound Transmission and Attenuation Standards

Q101.1 Zone. For the purposes of this code, a noise attenuation area

is established, which is a two thousand feet (2,000') measured eastward from the centerline of the Freeport Parkway from its intersection within the northern city limits southward to the southern city limit.

Q101.2 Map. This noise zone shall include such territory or portion of the city as designated and depicted on the noise attenuation zone map (Fig. App K-101.2, a copy of which is on file with the Building Official) and incorporated into this code and made a part of it for all intents and purposes.

Q101.3 Definitions.

Sound Transmission Class (STC) is calculated over the frequency range of 125 to 4,000 Hz and provides a single number rating for determining airborne sound transmission loss of exterior building facades, interior room partitions and other construction elements (such as windows and doors) which are subjected to noise from speech, television, radio, office equipment and other mid to high frequency noise sources. The STC rating is determined in accordance with ASTM E413.

Outdoor-indoor transmission class (OITC) is calculated over the frequency range of 80 to 4,000 Hz and provides a single number rating for determining airborne sound transmission loss of exterior building facades and exterior façade elements (window and doors) which are subject to transportation noise (aircraft, trains, automobiles, and other low to mid frequency noise sources). The OITC rating is determined in accordance with ASTM E1332.

Q102.1 Certified plans. The building official shall not issue a building permit for any residential building structure for human occupancy or part thereof within the attenuation zone as defined herein unless the plans and specifications accompanying the

application for the permit comply with the requirements set forth in this Appendix or the plans are designed by a certified acoustical noise consultant to achieve the noise reduction in section Q103.1 of this Appendix.

Q102.2 Noise consultants. Certified acoustical noise consultants include members of the National Council of Acoustical Consultants and others who are approved by the building official, such approval being based on the demonstration of competence and credentials in the area of architectural acoustics.

Q102.3 Building intrusion in a noise zone. A residential structure which is located partly within the noise attenuation zone and partly outside shall be considered within the most restrictive of the noise zones within which it is located for purposes of this Appendix.

Q103.1 Noise reductions standards. Plans for the construction of buildings within noise attenuation zone shall be certified as achieving at least the outdoor to indoor noise level reductions (NLR) as measured in decibels within the building of 25 NLR in a 2,000-foot zone as measured from the 65 DNL Noise Zone/Freeport Parkway.

Q104.1 Noise Level Reduction – 25 Decibels Compliance. Compliance Q104.1 through Q104.8 shall be deemed to meet requirements for a minimum noise level reduction (NLR) of 25 decibels.

Q104.2 Air leakage for all buildings.

- (1) The requirements of this Appendix shall apply to the design of the exterior envelope of all buildings in the designated attenuation zone designed for human occupancy. The

requirements of this section are not applicable to the separation of interior spaces from each other.

- (2) The following locations shall be sealed, caulked, gasketed or weather-stripped to limit or eliminate air infiltration:
 - (a) Exterior joints around windows and door frames between the window or door frame and the framing;
 - (b) Openings between walls and foundations;
 - (c) Between the wall sole plate and the rough flooring;
 - (d) Openings at penetrations of utility services through walls, floor, and roofs;
 - (e) Between wall panels at corners;
 - (f) All other such openings in the building envelope.
- (3) Through the wall, floor, or roof/ceiling penetrations not specifically addressed in these sections shall be designed to limit sound transmission and shall have the same average laboratory sound transmission classification as required for doors.

Q104.3 Exterior walls.

- (1) Exterior walls, other than as described in this section, shall have an average laboratory sound transmission class rating of at least STC-37 and minimum OITC 30;
- (2) Minimum OITC 30;
- (3) Masonry walls having a weight of at least 25 pounds per square foot do not require a furred (stud) interior wall. At least one surface of concrete block walls shall be plastered;
- (4) Stud walls shall be at least four inches in nominal depth and shall be finished on the outside with solid sheathing under an approved exterior wall finish.
 - (a) The interior surface of the exterior walls shall be of gypsum board or plaster at least one-half inch thick, installed on the studs.
 - (b) Continuous composition board, plywood or gypsum board

sheathing at least one-half inch thick, or equivalent, shall cover the exterior side of the wall studs.

- (c) Sheathing panels shall be covered on the exterior with overlapping building paper.
- (d) Insulation material at least R-13 shall be installed continuously throughout the cavity space behind the exterior sheathing and between wall studs. Insulation shall be glass fiber, mineral wool, or foam plastic insulation.

Q104.4 Exterior windows.

- (1) Windows other than as described in this section shall have a laboratory sound transmission class rating of at least STC-33 and minimum OITC 25; or
- (2) Windows shall have a minimum OITC 25.
- (3) Windows shall be double-glazed with one pane at least three-sixteenths of an inch thick. Panes of glass shall be separated by a minimum of one-half inch airspace.
- (4) All openable windows shall be weather-stripped and airtight when closed so as to conform to an air infiltration test not to exceed 0.5 cubic foot per minute per foot of crack length in accordance with ASTM E-283-65-T.
- (5) Glass shall be sealed in an airtight manner with a nonhardening sealant or a soft elastomer gasket or gasket tape.
- (6) The perimeter of window frames shall be sealed airtight to the exterior wall construction with a sealant conforming to one of the following Federal Specifications: TT-S-00227, TT-S-0230 or TT-SS-00153.

Q104.5 Exterior doors.

- (1) Doors other than as described in this section shall have a laboratory sound transmission class rating of at least STC-27 and minimum OITC 25; or
- (2) Exterior doors shall be minimum OITC 25.

- (3) All exterior side-hinged doors shall be solid-core wood or insulated hollow metal at least one-and-three-quarters inch thick and shall be fully weather-stripped.
- (4) Exterior sliding doors shall be weather-stripped with an efficient airtight gasket system with performance as specified in Q104.4 (3). The glass in the sliding doors shall be double glazed with panes at least three-sixteenths of an inch thick.
- (5) Glass, over two square feet in area, indoors shall be sealed in an airtight sealant or in a soft elastomer gasket or glazing tape.
- (6) The perimeter of door frames shall be sealed airtight to the exterior wall construction as described in Q104.4(5).

Q104.6 Roofs.

- (1) Combined roof and ceiling construction other than described in this section and AK104.7 shall have an average laboratory sound transmission class rating of at least STC-43 and minimum OITC 35; or
- (2) With an attic or rafter space at least 12 inches deep, and with a ceiling below, the roof shall consist of one-half inch composition board, plywood or gypsum board sheathing topped by roofing as required;
- (3) Open-beam roof construction shall follow the energy insulation standard method for batt insulation;
- (4) Window or dome skylights shall have a laboratory sound transmission class rating of at least STC-33 and minimum OITC 25;
- (5) Roof shall have a minimum OITC 35.

Q104.7 Ceilings.

- (1) Gypsum board or plaster ceilings shall be five-eighths of an inch thick. Ceilings shall be substantially airtight with a minimum of penetration.

- (2) Glass fiber, mineral wool, or foam plastic insulation at least R-30 shall be provided above the ceiling between joists.
- (3) Minimum OITC 35.

Q104.8 Ventilation.

- (1) A ventilation system shall be installed that will provide the minimum air circulation and fresh air supply requirements for various uses in occupied rooms without the need to open any windows, doors or other openings to the exterior. The inlet and discharge openings shall be fitted with sheet-metal transfer ducts of at least 20-gauge steel, which shall be lined with one-inch-thick coated glass fiber, and shall be at least five feet long with one 90-degree bend.
- (2) Gravity vent openings in attics shall be as close to code minimum in number and size as practical.
- (3) Bathroom, laundry and similar exhaust ducts connecting the interior space to the outdoors shall contain at least a five-foot length of internal sound-absorbing duct lining. Exhaust ducts less than five feet in length shall be fully lined and shall also meet the provisions of Q104.2 (3). Each duct shall be provided with a bend in the duct such that there is no direct line of sight through the duct from the venting cross-section to the room-opening cross-section. Duct lining shall be coated glass fiber duct liner at least one inch thick. In areas (i.e., shower rooms) which produce moisture, duct lining shall be made of nonabsorbent material; commercial kitchen exhaust systems and product conveying duct systems shall be exempt.
- (4) Fireplaces shall be provided with well-fitted dampers and tightly fitting glass or metal doors.
- (5) Through-wall fans and air conditioning units are not allowed.

CHAPTER 15-4. NATIONAL ELECTRICAL CODE

Sec. 15-4-1. National Electrical Code -Adopted.

There is hereby adopted by the City of Coppell, Texas, the National Electrical Code, 2023 Edition, and made a part hereof for all purposes, the same as if fully copied in full herein, with the exception of such sections hereof, which are hereafter deleted, modified or amended.

Sec. 15-4-2. Amendments:

The following sections of the National Electrical Code, 2023 Edition, and administrative provisions for the National Electrical Code, 2023 edition, are hereby amended to read and applied as follows:

1. **Article 90.4 Enforcement add the sections B, though I to read as follows:**
 - (A) **Enforcement.** Existing language to remain.
 - (B) **Supervision of Work.** In the actual work of installing, maintaining, altering, or repairing any electrical conductors or equipment for which requires a permit, apprentice electricians must have on-site supervision (as defined by Texas Administrative Code, Title 16, Chapter 73, Subsection 73.10) provided by a TDLR- issued journeyman or master electrician license holder.
 - (C) **Intention.** This *Code* is not intended as a design specification or an instruction manual for untrained persons.
 - (D) **Relation to Other International Standards.** The requirements in this *Code* address the fundamental principles of protection for safety contained in Section 131 of International Electrotechnical Commission Standard 60364-1, *Electrical Installations of Buildings*.
 - (E) **Powers and Duties of building official.**
 1. **General.** The Chief Building Official and designee are hereby authorized to enforce all the provisions of this Code. They shall cause a record to be kept of all permits issued and inspections made.
 2. **Deputies.** In accordance with prescribed procedures and with the approval of the appointing authority, the Chief Building Official may appoint an Electrical Inspector and other related technical officers and inspectors and other

employees as shall be authorized from time to time. References to "Inspector" and "Electrical Inspector" in this Code shall mean the Electrical Inspector.

3. Right of entry. Whenever necessary to make an inspection to enforce any of provisions of this Code, or whenever the Chief Building Official or his authorized representative has reasonable cause to believe that there exists in any building or upon any premises any condition or violation which makes such building or premises unsafe, dangerous or hazardous, the Chief Building Official or his authorized representative may enter such building or premises at all reasonable times to inspect the same or to perform any duty imposed upon the Chief Building Official by such Codes, provided that if such building or premises be occupied, he shall first present proper credentials and request entry. If such building or premises is unoccupied, the Chief Building Official or his representative shall first make a reasonable effort to locate the owner or other person having charge or control of the structure or premises and request entry. If entry is refused, the Chief Building Official or his authorized representative shall have recourse to every remedy provided by law to secure entry.

When the Chief Building Official or his authorized representative shall have first obtained a proper inspection warrant or other remedy provided by law to secure entry, no owner or occupant or any other persons having charge, care or control of any building or premises shall fail or neglect, after proper request is made as herein provided, to promptly permit entry therein by the building official or his authorized representative for the purpose of inspection and examination pursuant to this Code.

4. Notice. When any order or notice is issued pursuant to the provisions of this Code to any person who cannot be found after a reasonable search, such order or notice may be served by posting it in a conspicuous place upon the premises occupied by that person or upon the premises where the defects are alleged to exist. Such posting of the notice shall be considered equivalent to personal service of such order or notice. An order sent by mail in a sealed envelope with postage prepaid and directed to the address of the electrical contractor, owner, lessee, or occupant of the premises shall be equivalent to personal service of such order. Electrical Inspectors are hereby empowered to attach to the nearest electrical cabinet or equipment feeding defective or hazardous wiring, any official notice or seal to prevent use

of electricity in that area, and it shall be unlawful for any other person to place or attach such seal, or to break, change, destroy, tear, mutilate, cover or otherwise deface or injure any such official notice or seal posted by an Electrical Inspector.

5. Stop Orders. Whenever any work is being done contrary to the provisions of this Code, the Chief Building Official may order the work stopped by notice in writing served on any persons engaged in the doing or causing such work to be done, and any such persons shall forthwith stop such work until authorized by the building official to proceed with the work.
6. Authority to disconnect utilities in emergencies. The Chief Building Official or his authorized representative shall have the authority to disconnect any electric power or energy service supplied to the building, structure or building service equipment therein regulated by this Code in case of emergency where necessary to eliminate an immediate hazard to life or property, or, where there is a violation of the temporary electric connection per section 85-6(b). The Chief Building Official shall, whenever possible, notify the serving utility, the owner and occupant of the building, structure or building service equipment, in writing, of such disconnection immediately thereafter.
7. Authority to condemn electrical system and equipment. Whenever the Chief Building Official or designee ascertains that any electrical system or equipment regulated in this code has become hazardous to life, health or property, they may order in writing that such electrical system or equipment either be removed or restored to a safe condition, whichever is appropriate. The written notice itself shall fix a time limit for compliance with such order. No person shall use or maintain defective electrical system or equipment after receiving such notice. When such equipment or installation is to be disconnected, a written notice of such disconnection and causes therefore shall be given within 24 hours of the order to disconnect to the serving utility, the owner and occupant of such building, structure or premises. When any electrical system or equipment is maintained in violation of this code and in violation of any notice issued pursuant to the provisions of this section, the Chief Building Official or designee shall institute any appropriate action to prevent, restrain, correct, or abate the violation.
8. Connection after order to disconnect. No person shall make connections from any energy or power supply nor supply

power to any electrical system or equipment which has been disconnected or ordered to be disconnected by the Chief Building Official or designee; the use of which has been ordered to be discontinued until the Chief Building Official or designee authorizes the reconnection and use of such electrical system or equipment.

9. Liability. The Chief Building Official and their designees charged with the enforcement of this code, acting in good faith and without malice in the discharge of his duties, shall not thereby render themselves personally liable for any damage that may accrue to persons or property as a result of any act or by reason of any act or omission in the discharge of their duties. Any suit brought against the Chief Building Official or their designees because of such act or omission performed by them in the enforcement of any provision of this code shall be defended by legal counsel provided by this jurisdiction until final termination of such proceedings. This code shall not be construed to relieve from or lessen the responsibility of any person owning, operating, or controlling any building, structure or building service equipment therein for any damages to persons or property caused by defects, nor shall the code enforcement agency or its parent jurisdiction be held as assuming any such liability by reason of the inspections authorized by the code or approvals issued under this code.
10. Cooperation of other officials and officers. The Chief Building Official or designee may request, and shall receive so far as is required in the discharge of his duties, the assistance and cooperation of other officials of this jurisdiction.
11. Appeals. Any person, firm or corporation may file an appeal with the Chairman of the Building and Standards Commission for review of any decision of the Chief Building Official, provided that such appeal is made in writing within (5) days after notification by the electrical inspector. The Building and Standards Commission shall meet within a reasonable time following receipt of such appeal to hear the appeal and render a decision and findings in writing to the appellant with a duplicate copy to the Chief Building Official or designee.

(F) Electrical License and Registration.

1. Registration required. It shall be unlawful for any person, firm, or corporation who is not registered as a qualified electrician in the City of Coppel to engage in work

regulated by this code. Prior to the approval of any permit to do work regulated by this code, the applicant for such permit must first register with the Building Inspection Department.

2. Classifications of Electrician Licenses:

1. Master Electrician. Means a person possessing the necessary qualifications, training and technical knowledge to plan, layout, and supervise the installation, maintenance and extension of electrical conductors and equipment. This person shall have the authority to order the correction of defects or non-complying work installed in violation of this code.
2. Master Sign Electrician. Means a person possessing the equivalent qualifications as a master electrician, but limited to installation of signs only- no work may be undertaken on the premises' wiring system by this person, other than the sole connection of a sign to an existing branch circuit or feeder.
3. Journeyman Electrician. Means a person possessing the necessary qualifications, training and technical knowledge to install, maintain and extend electrical conductors and equipment and capable of doing this work in accordance with prepared plans and specifications and under the supervision of a master electrician.
4. Journeyman Sign Electrician. Means a person possessing the equivalent qualifications as a journeyman electrician, but limited to the installation of signs only, under the supervision of a master sign electrician. No work may be undertaken on the premises' wiring system by this person, other than the sole connection of a sign to an existing branch circuit or feeder.
5. Maintenance Electrician. Means a person engaged in the trade of maintaining the electrical system on premises owned and operated by the maintenance electrician's employer.
6. Residential Electrician. Means a person possessing the necessary qualifications, training, and technical knowledge to install, maintain and extend electrical conductors and equipment and capable of doing this work in accordance with prepared plans and specifications and under the supervision of a master electrician. The scope of work allowed by this license

is limited to residential premises wiring systems of 225 Amperes or less. A current master electrician or master sign electrician license issued by the TDLR (Texas Department of Licensing and Regulation).

7. Electrical Contractor. Means a person engaged in the business of installing, maintaining or extending, by contract, electrical conductors and equipment. This person shall be a master electrician. An electrical contractor is the only registered electrician that is allowed to acquire a permit.
8. Other license classifications may be recognized if approved by the Building Official.

3. Application for Registration. A person, firm, or corporation who desires to register as an electrician in the City of Coppell shall complete the appropriate application and provide the following information:

1. A current electrical license issued by a municipality and accompanied by a reciprocal letter or provide evidence of satisfactory performance on an electrician's certification conducted by the Southern Building Code Conference International in conjunction with the North Central Texas Council of Governments.
2. A form of picture identification.
3. Business identification to include the business name, business owner(s), address, and telephone number.
4. Issuance and Term of Registration. Upon satisfactory completion of the requirements and payment of applicable fees as specified by the City of Coppell Master Fee Schedule for registration as an electrician, as classified, the chief building official may approve such registration. An approved registration is valid for a period of not more than one (1) year and shall terminate at the end of each calendar year.
5. Transfer of registration. It shall be unlawful for any person, firm, or corporation to lend, rent, or transfer an electrical contractor registration issued by the City of Coppell to another person firm, or corporation for any purpose.
6. Revocation of registration. An electrical registration

issued by the City of Coppell may be revoked by the Chief Building Official for the following:

1. Falsification of any portion of an application for registration with intent to defraud.
2. Revocation of an electrical license by a municipality with which the City of Coppell holds a letter of reciprocity.
3. Any person, firm, or corporation who, after being found guilty in municipal court of violations of this code, is unwilling to make appropriate corrections to the satisfaction of the Chief Building Official or his designee shall be denied registration as an electrician.
4. Notice of revocation of electrical registration. The Chief Building Official or designee shall provide proper notice in writing to the person, firm or corporation holding a revoked electrical contractor registration. Notice shall be deemed effective on the post date of certified mail and/or acceptance by hand delivery.
5. Appeal of revocation. In the event that any person, firm, or corporation shall appeal the decision of the Chief Building Official or designee to revoke an electrical registration, a request for a public hearing of the matter shall be made in writing to the Chairman of the Building and Standards Commission within five (5) days of receipt of Notice of Revocation. The Building and Standards Commission shall meet to consider an appeal of revocation within a reasonable time of receipt of a written request.
6. False Representation as to Registration Unlawful. It shall be unlawful for any person, firm, or corporation to represent themselves or a business as an electrician or electrical contractor in the City of Coppell without having first properly registered with the Building Inspection Department.
7. Electrical Company Vehicles to Be Marked. All electrical contractors' vehicles engaged in doing work in the City of Coppell shall have signs

permanently affixed to both sides of the vehicle indicating the company name of the electrical contractor.

8. *Supervision.* The actual work of installing, maintaining, altering, or repairing of electrical work for which a permit is required by this Code shall have supervision by a licensed master or journeyman electrician as provided by this Code. In the event the owner of electrical contracting business is not a licensed master electrician, a master electrician shall be designated by the owner of such place of business to the Chief Building Official or designee as the person responsible for, and supervising, the electrical work done by such electrical contractor. Such designated master electrician shall be the supervisory electrician for only one (1) electrical contractor within the City at any one time. Should such supervision not be constantly provided, the Electrical Inspector may order the work being done by such electrical contractor to be discontinued until proper supervision and control has been provided and the name of the new master electrician disclosed to the Chief Building Official or designee.
9. License display. Each holder of a master, journeyman or specialist license shall carry evidence of proper license on his person at all times while doing electrical work and shall produce and exhibit same when requested by an inspector or officer of the City.

4. Exception from Licensing and Registration.

Persons who are not registered electricians may carry out the following classes of work:

1. The replacement of lamps, fuses and the connection of portable devices to suitable receptacles which have been permanently installed.
2. The installation, alteration, or repairing of any wiring, devices, or equipment for signaling, remote control, or the transmission of information, provided such are inherently power limited and have a maximum nameplate rating not exceeding one volt ampere.

3. The installation, alteration or repair of the electric wiring, devices, appliances and equipment installed by or for an electrical public service corporation legally operating in the City when for the use of such corporation in the generation, transmission, distribution or metering of the electrical energy or for the use of such a corporation in the operation of street railways, signals or the transmission of information.
4. Any work involved in the manufacture or test of electrical materials, devices, appliances or apparatus, but not including any installation of wiring other than that required for testing purposes unless such equipment as complete is approved by the Electrical Inspector before it is installed or used.
5. Electrical work done by a property owner in a building owned and occupied by them and classified as their homestead. Where the electrical work done by property owner is deemed by the Chief Building Official or designee to be hazardous to persons or property, and the repair thereof is beyond the skills and electrical knowledge of the property owner as deemed by the Chief Building Official or designee, the Chief Building Official may void the permit or validation obtained by the homeowner. In such an event, the electrical work shall only be completed by a Licensed Electrical Contractor, registered with the City of Coppel.

5. Application for permit. To obtain a permit, the applicant shall first file an application therefore in writing on a form furnished by the City agency for that purpose. Every such application shall:

1. Identify and describe the work to be covered by the permit for which application is made.
2. Describe the land on which the proposed work is to be done by legal description, street address or similar description that will readily identify and definitely locate the proposed building or work.
3. Indicate the use or occupancy for which the proposed work is intended.
4. Be accompanied by plans, diagrams, computations and specifications and other data as required in Subsection (D) of this section.

5. Be signed by permittee, or his authorized agent.

6. Give such other data and information as may be required by the building official.

6. Plans and specifications. With each application for a permit, and where required by the Chief Building Official or designee for enforcement of any provision of this Code, plans, specifications, and calculations shall be submitted. When deemed necessary to ensure code compliance, the Chief Building Official or designee may require plans and specifications to be prepared and designed by an engineer licensed by the State of Texas. All drawings, specifications and accompanying data involved with the practice of engineering, such as structural, mechanical, plumbing, electrical, heating and cooling, fire, life and safety systems, shall comply with state and local laws governing the practice of engineering as required by Article 3271a, Vernon's Annotated Texas Statutes.

7. Information on plans and specifications. Plans and specifications shall be drawn to scale and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and all relevant laws, ordinances, rules, and regulations.

8. Permits issuance. The applications, plans and specifications, and other data, filed by an applicant for permit may be reviewed by other departments of the City to determine compliance with any applicable laws under their jurisdiction. If the work described in an application for a permit and the plans, specifications and other data filed therewith conforms to the requirements of this Code and other pertinent laws and ordinances, and the fees specified by the City of Coppell Master Fee Schedule been paid, the Chief Building Official or designee may issue a permit therefore to the applicant. When the Chief Building Official or designee issues the permit where plans are required, he shall endorse in writing or stamp the plans and specifications "APPROVED." Such approved plans and specifications shall not be changed, modified or altered without authorizations from the Chief Building Official or designee, and all work shall be done in accordance with the approved plans. The Chief Building Official or designee may issue a permit for the construction of part of an electrical system before the entire plans and specifications

for the whole system have been submitted or approved, provided adequate information and detailed statements have been filed complying with all pertinent requirements of this code. The holder of such permit shall proceed at his own risk without assurance that the permit for the entire building, structure or building service will be granted.

9. Retention of plans. One set of approved plans and specifications shall be returned to the applicant and shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress. One set of approved plans, specifications and computations shall be retained by the Chief Building Official or designee until final approval of the work.

10. Validity of permit. The issuance of a permit or approval of plans and specifications shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code, or of any other ordinance of the City, nor shall the issuance of a permit or approval of plans be construed as representing or warranting the safety or lack of defects of any electrical work described therein. No permit presuming to give authority to violate or cancel the provisions of these Codes shall be valid. The issuance of a permit based upon plans, specifications, and other data shall not prevent the Chief Building Official or designee from thereafter requiring the correction of errors in said plans, specifications, and other data, or from preventing building operations being carried on thereunder when in violation of these codes or of any other ordinances of the City.

11. Expiration. Every permit issued by the Chief Building Official or designee under the provisions of this Code shall expire by limitation and become null and void, if the building or work authorized by such permit is not commenced within 180 days from the date of such permit, or if the building or work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days or more. Before such work can be recommenced, a new permit shall be first obtained and the fee therefore shall be one-half the amount required for a new permit for such work, provided no changes have been made or will be made in the original plans and specifications for such work; and provided further that such suspension or abandonment has not exceeded one year. In order to renew action on a permit after expiration, the permittee shall pay a new full permit fee. Any permittee holding an unexpired permit may apply for an extension of

the time within which he may commence work under that permit when he is unable to commence work within the time required by this section for good and satisfactory reasons. The Chief Building Official may extend the time for action by the permittee for a period not exceeding 180 days upon written request by the permittee showing that circumstances beyond the control of the permittee have prevented action from being taken. No permit shall be extended more than once.

12. Suspension or revocation. The Chief Building Official or designee may, in writing, suspend or revoke a permit issued under the provisions of this Code whenever the permit is issued in error or on the basis of incorrect information supplied, or in violation of any ordinance or regulation of the City.

13. Fees. Permit fees shall be levied in the amounts specified by the City of Coppell, Master Fee Schedule.

(G) Inspections.

- 1. General.** All electrical systems and equipment for which a permit is required by this Code shall be subject to inspection by the Chief Building Official or designee. No portion of any electrical system intended to be concealed shall be concealed until inspected and approved. Neither the Chief Building Official or designee, nor the City shall be liable for expense entailed in the removal or replacement of any material necessary to allow inspection. When the installation of an electrical system and equipment is complete, an additional and final inspection shall be made. Electrical systems and equipment regulated by this code shall not be connected to the energy source until authorized by the Chief Building Official or designee.
- 2. Inspection requests.** It shall be the duty of the person doing the work authorized by a permit to notify the Chief Building Official or designee that such work is ready for inspection. The Chief Building Official or designee may require that every request for inspection is filed at least one working day before such inspection is desired. Such request may be in writing, web or by telephone at the option of the Chief Building Official or designee. It shall be the duty of the person requesting inspections required by this Code to provide access to and means for proper inspection of such work.
- 3. Operation of electrical equipment.** The requirements of this section shall not be construed to prohibit the operation of any electrical system or equipment installed to replace existing equipment. The request for inspection of such equipment must

have been filed with the building official not more than 48 hours after such replacement work is completed and before any permanent portion of the building conceals any portion of such electrical system.

4. **Other inspections.** In addition to the called inspections required by this code, the Chief Building Official or designee may make or require other inspections of any work to ascertain compliance with the provisions of this Code and other laws which are enforced by the Code enforcement agency.
5. **Reinspections.** A reinspection fee may be assessed for each inspection or reinspection when such portion of work for which inspection is called is not complete or when required corrections are not made. This provision is not to be interpreted as requiring reinspection fees the first time a job is rejected for failure to comply with the requirements of this code, but as controlling the practice of calling for inspections before the job is ready for such inspection or reinspection or when required corrections are not made. Reinspection fees may be assessed when the approved plans are not readily available to the Inspector, for failure to provide access on the date for which inspection is requested, or for deviating from the city-approved plans. In instances where reinspection fees have been assessed, no additional inspection of the work will be performed until the required fees have been paid.

(H) Service Connections.

1. **Connection approval.** An electrical system or equipment regulated by this code for which a permit is required shall not be connected to a source of energy or power until approved by the Chief Building Official or designee.
2. **Temporary connections.** The Chief Building Official or designee may authorize the temporary connection of the electrical system or equipment to the source of energy or power for the purpose of testing the equipment, or for the use under a temporary Certificate of Occupancy.
3. **Authorized connection.** When new electrical meters are installed or existing electrical meters are to be relocated, the disconnection, connection or reconnection to the meter shall be made only by authorized employees of the purveyor. Only authorized employees of the purveyor shall be permitted to make connection between the customer's service entrance conductors and purveyor's lines.

(I) Violations.

It shall be unlawful for any person, firm, or corporation to erect,

construct, enlarge, alter, repair, move, improve, remove, convert, demolish, equip, use or maintain any electrical system or equipment or cause or permit the same to be done in violation of this Code. The issuance or granting of a permit or approval of plans and specifications or the completion or approval of an inspection shall not be deemed or construed to be a permit for, or an approval of, any violation of any of the provisions of this Code. No permit presuming to give authority to violate or cancel the provisions of this Code shall be valid, except insofar as the work or use which is authorized is lawful.

2. Article 100, Part I definitions shall be added or amended to read as follows:

Definitions.

Board of Appeals shall be the Building and Standards Commission as appointed by the City Council of the City of Coppell.

Building Code is the International Residential Code for one-and two-family dwellings three stories or less from grade and their accessory structures, or the International Building Code for all others, as currently adopted by the City of Coppell.

Chief Building Official (building official) is the officer charged with the administration and enforcement of this Code, or his duly authorized representative, and is the authority having jurisdiction for this Code.

Code Enforcement Agency is the department, division or agency of the City of Coppell charged with the function of Code Enforcement and shall be under the administration and operational control of the Chief Building Official.

Electrical Inspector shall be the person providing expertise for the building official in the area of electrical regulations.

Engineering Supervision: Supervision by a Qualified State of Texas Licensed Professional Engineer engaged primarily in the design or maintenance of electrical installations.

Electrical Contractor is any person, firm, or corporation to whom a valid, current electrical contractor's registration has been issued by the City of Coppell.

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

Journeyman Electrician is a person to whom a valid, current

journeyman electrician's registration has been issued by the Texas Department of Licensing and Regulation.

Master Electrician is a person to whom a valid, current master electrician's registration has been issued by the Texas Department of Licensing and Regulation.

Modifications. Whenever there are practical difficulties involved in carrying out the provisions of this Code, the Chief Building Official may grant modifications for individual cases, provided he shall first find that a special individual reason makes the strict letter of this code impractical and the modification is in conformity with the intent and purpose of this Code, and that such modification does not lessen health, life and fire safety requirements.

Multiple Occupancy Building is a building having more than one tenant and may be of single or mixed-use groups as classified by the Building Code.

3. Amend Article 110.2, Part I to read as follows:

110.2 Approval. The conductors and equipment required or permitted by this Code shall be acceptable only if approved. Approval of equipment may be evident by listing and labeling of equipment by a Nationally Recognized Testing Lab (NRTL) with a certification mark of that laboratory or a qualified third party inspection agency approved by the AHJ.

Exception: Unlisted equipment that is relocated to another location within a jurisdiction or is field modified is subject to the approval by the AHJ. This approval may be by a field evaluation by a NRTL or qualified third-party inspection agency approved by the AHJ.

4. Article 210.52(G)(I) Garages:

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

5. Article 300.11(A); add the following exception:

Exception: Ceiling grid support wires may be used for structural supports when the associated wiring is located in that area, not more than two raceways or cables supported per wire, with a maximum nominal metric designation 16 (trade size ½”).

6. Article 310.15(B)(7); change to read as follows:

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

7. Article 500.8(A)(3); change to read as follows:

(3) Evidence acceptable to the authority having jurisdiction such as a manufacturer's self-evaluation or an owner's engineering judgment signed and sealed by a qualified registered professional engineer.

8. Article 505.7(A) change to read as follows:

(A) Implementation of Zone Classification System.

Classification of areas, engineering and design, selection of equipment and wiring methods, installation, and inspection shall be performed by a qualified person's registered professional engineer.

9. Article 517.30 Essential Electrical Systems for Hospitals; create a new (H) and add the following language:

(G) Coordination. Overcurrent protective devices serving the equipment branch of the essential electrical system shall be coordinated for the period of time that a fault's duration extends beyond 0.1 second.

Exception No. 1: Between transformer primary and secondary overcurrent protective devices, where only one overcurrent protective device or set of overcurrent protective devices exists on the transformer secondary.

Exception No. 2: Between overcurrent protective devices of the same size (ampere rating) in series.

(H) Selective Coordination. Overcurrent protective devices serving the life safety, and critical branches of the essential electrical system shall be selectively coordinated with all supply-side overcurrent protective devices.

Exception No. 1: Between transformer primary and secondary overcurrent protective devices, where only one overcurrent protective device or set of overcurrent protective devices exists on the transformer secondary

Exception No. 2: Between overcurrent protective devices of the same size (ampere rating) in series.

10. Article 625.50 changed to read as follows:

625.50 Location. The EVSE shall be located for direct electrical coupling of the EV connector (conductive or inductive) to the electric vehicle. The coupling means of the EVSE and all equipment not flush with the wall shall be not less than 48" (1219.2 mm) above the floor for locations in a garage, and 24" (600 mm) for outdoor locations. This does not apply to portable EVSE constructed in accordance with 625.44(A).

11. Article 680.25(A) changed to read as follows:

680.25 Feeders. These provisions shall apply to any feeder on the supply side of panelboards supplying branch circuits for pool equipment covered in Part II of this article and on the load side of the service equipment or the source of a separately derived system.

(A) Wiring Methods.

- (1). Feeders.** Feeders shall be installed in rigid metal conduit or intermediate metal conduit. The following wiring methods shall be permitted if not subject to physical damage:
- (1) Liquid tight flexible nonmetallic conduit
 - (2) Rigid polyvinyl chloride conduit
 - (3) Reinforced thermosetting resin conduit
 - (4) Electrical metallic tubing where installed on or within a building
 - (5) Electrical nonmetallic tubing where installed within a building
 - (6) Type MC cable where installed within a building and if not subject to corrosive environment
 - (7) Nonmetallic-sheathed cable
 - (8) Type SE cable

Exception: An existing feeder between an existing remote panel board and service equipment shall be permitted to run in flexible metal conduit or an approved cable assembly that includes an equipment grounding conductor within its outer sheath. The equipment grounding conductor shall comply with 250.(A)(5).

12. Article 706.20(B) changed to read as follows:

(B) Dwelling Units. An ESS for one-and two-family dwelling

units shall not exceed 100 volts dc between conductors or to ground and shall not be located less than 48" (1219.2 mm) above the floor when located in a private garage unless protected from impact by a means recognized by TXDOT.

CHAPTER 15-5. FIRE CODE

Sec. 15-5-1. International Fire Code -Adopted.

There is hereby adopted by the City of Coppell, Texas for the purpose of prescribing regulations governing conditions hazardous to life and property from fire and explosion, the certain Codes and Standards known as the International Fire Code, 2024 Edition, including Appendices A-I, K, N & O, and the latest edition of the National Fire Protection Association Standard 1, thereof and whole thereof, save and except such portions as are hereinafter deleted, modified or amended by Section 15-5 of this ordinance. A copy of said Fire Code and Standards is now filed in the office of the City Secretary, and is hereby adopted and incorporated as fully as if set out at length herein, and from the date on which this ordinance shall take effect, the provisions thereof shall be controlling within the limits of the City of Coppell and within 5,000 feet thereof, where specified therein.

Sec. 15-5-2 Amendments.

1. Amend Section 101.1 to read as follows:

101.1 Title. These regulations shall be known as the Fire Code of the City of Coppell, herein after referred to as "this code".

2. Amend Section 102.4 to read as follows:

102.4 Application of other codes. The design and construction of new structures shall comply with this code, and other codes as applicable; and any alterations, additions, changes in use or changes in structures required by this code which are within the scope of this and other codes shall be made in accordance therewith.

3. Amend Section 102.7 to read as follows:

102.7 Referenced codes and standards. The codes and standards referenced in this code shall be those that are listed in Chapter 80 and such codes, when specifically adopted, and standards shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between the provisions of this code and the referenced standards, the provisions of this code

shall apply. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standards shall be considered to reference the amendments as well. Any reference to NFPA 70 or the ICC Electrical Code shall mean the Electrical Code as adopted.

4. Amend Section 103.1 by adding a second paragraph and by adopting a new subsection 103.1.1, "Division of Fire Prevention Personnel and Police", to read as follows:

103.1 General. The department of fire prevention is established within the jurisdiction under the direction of the fire code official. The function of the department shall be the implementation, administration and enforcement of the provisions of this code.

Under the chief's direction, the fire department is authorized to enforce all ordinances of the jurisdiction pertaining to:

1. The prevention of fires.
2. The suppression or extinguishment of dangerous or hazardous fires.
3. The storage, use and handling of hazardous materials,
4. The installation and maintenance of automatic, manual and other private fire alarm systems and fire-extinguishing equipment.
5. The maintenance and regulation of fire escapes.
6. The maintenance of fire protection and the elimination of fire hazards on land in buildings, structures and other property, including those under construction.
7. The maintenance of means of egress.
8. The investigation of the cause, origin and circumstances of fire and unauthorized releases of hazardous materials.
9. The investigation of the cause, origin and circumstances of explosions. For authority related to control and investigation of emergency scenes, see Section 104 of this code.

103.1.1 Division of Fire Prevention Personnel and Police. The Fire Marshal and members of the Division of Fire Prevention shall have the powers of a police officer when performing their duties under this code. When requested to do so, the Chief of Police is authorized to render

necessary assistance to assist the Fire Department in enforcing the provisions of this code.

5. Amend Section 104.8 by adding subsection 104.8.2, to read as follows:

104.8.2 City Liability. All regulations provided in this code are hereby declared to be governmental and for the benefit of the general public. Any member of the City Council, any city official or employee, or any member of the Building Standards Commission charged with the enforcement of this code, acting for the City in the discharge of his duties, shall not thereby render themselves personally liable, and they are hereby relieved from all personal liability for any damage that may occur to persons or property as a result of any action required or permitted in the discharge of their duties. Any suit brought against such official or employee because of such act performed by them in the enforcement of any provisions of this Code shall be represented by the City of Coppell through its designated attorney until the final adjudication of the proceedings.

6. Amend Section 105.6 by amending subsection 105.6.20 and adopting subsection 105.6.26 and 105.6.27, to read as follows:

105.6.20 Smoke control or exhaust systems. Construction permits are required for smoke control or exhaust systems as specified in Section 909 and Section 910 respectively. Maintenance performed in Accordance with this code is not considered a modification and does not require a permit.

105.6.26 Electronic access control systems. Construction permits are required for the installation or modification of an electronic access control system, as specified in Section 503 and Section 1010. Maintenance performed in accordance with this code is not considered a modification and does not require a permit.

105.6.27 Electric vehicle (EV) charging stations. Construction permits are required to install or modify and electric vehicle charging station. Maintenance performed in accordance with is code is not considered to be a modification and does not require a permit.

7. Amend Section 113.4 to read as follows:

Section 113.4 Violation Penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or to do work in violation of the approved construction documents or directive

of the Fire Marshal, or a permit or certificate used under provisions of this code, shall be guilty of a misdemeanor offense punishable by a fine of not more than two thousand dollars (\$2,000.00). Each day that a violation continues after due notice has been served shall be deemed a separate offense.

8. Amend Section 115.6 to read as follows:

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

9. Amend Section 202 by adding definitions to read as follows:

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

CODE OFFICIAL (FIRE) is the Fire Chief, Fire Marshal or other designated authority charged by the applicable governing body with the duties of administration and enforcement of the code, or a duly authorized representative.

DIVISION OF FIRE PREVENTION is the Office of the Coppel Fire Marshal.

FIRE DEPARTMENT is the City of Coppel Fire Department.

HIGH RISE BUILDING is a building having floors for human occupancy located more than 55 feet above the lowest level of fire department vehicle access.

JURISDICTION is the City of Coppel, Texas.

KEY BOX shall be a KNOX® Box device.

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 or Fire Marshal. When utilized, the number required shall be as directed by the Fire Chief or Fire Marshal.

10. Amend Section 307.2 to read as follows:

307.2 Permit required. A permit shall be obtained from the fire code official in accordance with Section 105.5 prior to kindling a fire for recognized silvicultural or range or wildlife management practices, prevention or control of disease or pests, or a recreational fire.

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 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.

11. Amend Section 307.4, by amending subsections 307.4.1, and adopting subsection 307.4.4, to read as follows:

307.4 Location. Recreational fires as they relate to approved ceremonial situations or within approved devices such as outdoor barbeque grills with lids, chimineas or outdoor fireplaces shall be permitted in accordance with 307.4.2 Recreational Fires. Bonfires, trench burns, garbage/waste disposal fires and related outdoor burning shall be prohibited in the City of Coppell.

307.4.1 Bonfires. Bonfires shall be prohibited in the City of Coppell.

307.4.4 Trench Burns. Trench burns shall be prohibited in the City of Coppell.

12. Amend Section 314.4 by adding subsection #5 to read as follows:

314.4 Vehicles. Electric, liquid-fueled or gaseous-fueled vehicles, aircraft, boats or other motorcraft shall not be located indoors except as follows:

...

5. Batteries in electric vehicles shall be rendered inoperable by the removal of fuses or other approved methods but shall not be required to be disconnected. Electric vehicles shall not be charged inside buildings, other than where approved in parking garages, or unless otherwise approved by the fire code official.

13. Amend Chapter 3 by adding Section 323 and subsections to read as follows:

323 Electric Vehicles (EV).

323.1 Electric Vehicle Charging Stations. Electric vehicle (EV) charging stations shall not be located inside buildings, except in one- and two-family dwelling garages, where approved for parking garage locations as per the National Electrical Code and within vehicle service/maintenance facilities as approved by the fire code official.

323.1.1 Charging Stations Inside Parking Garage. EV charging stations located in parking garages shall be located at grade level along the exterior perimeter walls and shall be within 150 feet of fire apparatus access roadway, or shall be located on the top level of the garage with no roof above.

323.1.2 Charging Stations inside R-3 and R-4 occupancies.

Approved charging stations in the private garage shall have a listed heat alarm installed in the garage and interconnected to the smoke alarms inside the dwelling.

323.2 Disconnect. Locations containing electric vehicle charging stations shall be provided with a clearly identified and readily accessible emergency disconnect installed in an approved location.

The emergency disconnects for exterior electric vehicle charging stations shall be located within 100 feet (30 480 mm) of, but not less than 20 feet (6096 mm) from the charging stations, unless otherwise approved by the fire code official. Interior electric vehicle charging stations shall be located near a firefighter entry door approved by the fire code official.

323.2.1 Height. The height of the emergency disconnect switch shall be not less than 42 inches (1067 mm) and not more than 48 inches (1219 mm) measured vertically, from the floor level to the activating button.

323.2.2 Emergency Disconnect Sign. Emergency disconnect devices shall be distinctly labeled as: “EMERGENCY ELECTRIC VEHICLE CHARGER DISCONNECT.” Signs shall be placed in an approved location and shall consist of all the following:

1. White reflective background with red letters.
2. Weather-resistant durable material.
3. Lettering not less than 2 inches (51 mm) high.
4. Permanently affixed to a pole, the building or structure in an approved manner.

Exception: A labeled electrical breaker is required for one- and two-family dwelling garages, and R-3 or R-4 private garages.

323.3 Damaged Electric Vehicle Batteries. Damaged electric vehicle batteries shall not be stored inside any building.

14. Amend Section 401.3 by adopting subsection 401.3.4, to read as follows:

401.3.4 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. The technician performing maintenance on any system capable of transmitting an alarm to the Emergency Dispatch Center shall notify the center, as well as the monitoring company for the property, prior to any work being performed on the system. In addition, the technician shall notify the Emergency Dispatch Center, as well as the monitoring company for the property, immediately upon placing the system back in service.

15. Amend Section 503.1 by amending subsection 503.1.1 and the Exception thereto, by amending subsection 503.1.2, and by adopting subsection 503.1.4, to read as follows:

503.1.1 Buildings and Facilities. Approved fire apparatus access roads shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction. The fire apparatus access road shall comply with the requirements of this section and shall extend to within 150 feet of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by maximum hose distance or an approved route around the exterior of the building.

Exception: Except for one- or two-family residences, the path of measurement shall be along a minimum of a ten feet (10') wide

unobstructed pathway around the external walls of the structure.

503.1.2 Additional Access. The Fire Marshal is authorized to require more than one fire apparatus access road based on the potential for impairment of a single road by vehicle congestion, condition or terrain, climatic conditions or other factors that could limit access. The Fire Marshal is hereby authorized and empowered to establish and designate fire lanes as deemed necessary for the proper ingress and egress of emergency vehicles. Any fire lane designated by the Fire Marshal shall become effective as of the date so designated.

503.1.4. General Maintenance. (a) The Fire Marshal shall report any negligent surface conditions, markings, or signs to the owner or person in control of property upon which a fire lane exists and shall issue instructions for repair. (b) It shall be unlawful for the owner or person in control of property upon which a fire lane has been designated or exists to fail to maintain the surface of the fire lane in good condition, free of potholes and other non-approved obstructions. (c) It shall be unlawful for the owner or person in control of property on which a fire lane has been designated or exists to fail to maintain any marking of the fire lane as required by this code in a condition which is not clearly legible. (d) Fire lanes shall be installed in accordance with City of Coppel Engineering Standards and Details prior to buildings being constructed above finished floor grade.

16. Amend Section 503.2 shall be amended by amending subsections 503.2.1, 503.2.3 and 503.2.4 to read as follows:

503.2.1 Dimensions. Fire apparatus access roads shall have an unobstructed width of not less than 24 feet (24') and an unobstructed vertical clearance of not less than 14 feet (14'). The Fire Marshal shall have the authority to increase the width of fire lanes at the entrances off public streets to include the entire width of the drive opening.

503.2.3 Surface. Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus and shall be constructed to the City of Coppel Engineering Standards and Details. All fire lanes shall be capable of supporting an 85,000-pound vehicle.

503.2.4 Turning Radius. The required turning radius of a fire apparatus access road shall be a minimum of 30 feet inner radius and 54 feet exterior radius. The required turning radii may be decreased if the width of the fire lane increases, as approved by the Fire Marshal.

17. Amend Section 503.3 to read as follows:

503.3 Marking. Where required by the Fire code official, approved striping or, when allowed by the Fire code official, signs, or both, or other approved notices shall be provided for fire apparatus access roads to identify such roads or prohibit the obstruction thereof. Signs or notices and striping shall be maintained in a clean and legible condition at all times and replaced or repaired when necessary to provide adequate visibility.

1) Striping—Fire apparatus access roads shall be 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 15 feet intervals on the red border markings along both sides of the fire lanes.

2) 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. Signs may be installed on permanent buildings or walls if approved by the Fire code official.

3) Brick pavers—Brick paver 'banding' of fire lanes may be approved on a case-by-case basis. Red brick pavers shall be of contrasting colors to provide the visual identity of a 'normally striped' fire lane.

18. Amend Section 503.4 to read as follows:

503.4 Obstruction of fire apparatus access roads. Fire apparatus access roads shall not be obstructed by persons in any manner, including parking, stopping or standing any non-emergency vehicle, whether attended or unattended, in a fire lane. The minimum widths and clearances established in Section 503.2.1 and any area marked as a fire lane as described in Section 503.3 shall be maintained at all times. The operator of a premise shall maintain, free of obstruction, all fire lanes on his premises. No person may mark, post or otherwise identify a non-fire lane private vehicular passageway as a fire lane or in such a manner as tends to create confusion as to whether the passageway is a fire lane. Any unauthorized vehicle on a fire lane is: (1) Subject to removal by the operator of the premises, with the expense of removal and storage to be borne by the registered owner of the vehicle. (2) Subject to citation, as well as removal, by the Fire code official or a police officer, and (3) Prima facie evidence that the person in whose name the vehicle is registered is guilty of a violation of the parking provisions of this section.

19. Amend Section 507 by amending subsection 507.5.1 and the Exception thereto, and subsection 507.5.3 to read as follows:

507.5.1 Where required. Where a portion of the facility or building is more than 150 feet from a hydrant on a public right-of-way, as measured by an approved route around the exterior of the facility or building, or if the building is equipped with an automatic fire sprinkler system/fire department connection, on-site fire hydrants and mains shall be provided where required by the Fire code official.

Exceptions: For Group R-3 occupancies, the distance requirement shall be 600 feet.

507.5.3 Private fire service mains and water tanks. Private fire service mains and water tanks shall be periodically inspected, tested and maintained in accordance with NFPA 25 at the following intervals:

1. Private fire hydrants (all types): Inspected annually; flow test and maintenance in accordance with NFPA 25.
2. Fire service main piping: Inspection of exposed, annually; flow test every 5 years.
3. Fire service main piping strainers: Inspection and maintenance after each use.
4. Private fire hydrants or those hydrants supplied through or by a fire pump shall be painted safety red.
5. All fire hydrant locations shall be identified by the installation of a blue reflective marker, according to City specifications.
6. Private fire hydrants shall be installed and operational prior to buildings being constructed above finished floor grade.
7. Private fire hydrant annual flow test information and labeled site map shall be forwarded to the Coppell Fire Department upon completion of the service.

20. Amend Section 605.2 by adding subsection 605.2.1.6 to read as follows:

605.2.1.6 Maintenance of Chimneys. All multi-family occupancies where fireplaces utilizing solid fuel are used shall have the chimneys inspected and/or cleaned by a certified chimney sweep on a yearly basis. A report of each inspection and/or cleaning shall be submitted to the Fire

Prevention Division and maintained by the onsite property manager.

21. Amend Section 807.5.2 by amending subsection 807.5.2.2 by adopting Exception to read as follows:

807.5.2.2 Artwork in corridors. Artwork and teaching materials shall be limited on the walls of corridors and classrooms 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.

22. Amend Section 903.1.1 to read as follows:

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

23. Amend Section 903.2 by adding thereto; deleting the exception; and by adopting Subsection 903.2.13, to read as follows:

903.2 Where required. In addition to the remainder of 903.2, an approved automatic fire extinguishing system (fire sprinkler system) shall be installed and maintained in accordance with the current versions of NFPA 13, Standard for the Installation of Sprinkler Systems and NFPA 25 Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems in the following occupancies:

1. All new buildings and new additions to existing buildings greater than 5,000 square feet.
2. All new windowless buildings or buildings with a basement, regardless of square footage.
3. All new Group R buildings, excluding single family dwellings. Protection is required throughout all living areas, including, but not limited to small rooms and enclosed attached garages.
4. All buildings or structures, two (2) or more stories or thirty-five feet (35') in height, excluding Group R-3.
5. All Group R-3 building with a gross square footage greater than 10,000 square feet.
6. All Group R-3 occupancies which contain two or more separate dwelling units. Residential or quick response standard sprinklers shall be

used in the dwelling units.

7. All Group R-1 occupancies. Residential or quick response standard sprinklers shall be used in the dwelling units and guest room portions of the building.
8. All Group A-5 occupancies greater than 1,000 square feet.
9. All Group A-2 occupancies greater than 2,000 square feet, unless Type I or II construction is utilized for the building, then greater than 5,000 square feet.
10. All Group H and Group I occupancies regardless of square footage.
11. Throughout all occupancies classified as 'self-service storage facility'.
12. F-1 and S-1 occupancies used for manufacture or storage of upholstered furniture or mattresses greater than 2,500 square feet.

903.2.13 General. The following fire and life safety items are required for applicable buildings. The system shall be designed according to NFPA standards on all floors of the building.

All buildings equipped with an approved automatic sprinkler system shall also be equipped with an approved, monitored fire alarm system, meeting the requirements of NFPA 72 and this code. In addition to the building requirements listed above, the following requirements must be met:

1. Where standpipes are required, all standpipe locations are to be marked by painting the entire drop "Safety RED" with blue retro-reflective tape at 1 and 10-foot levels above valves. Where standpipes are located in office areas, cabinets shall be readily distinguishable from surrounding wall coverings.
2. All personnel doors are to be numbered in six-inch (6") high numbers on the inside and outside of the doors. The numbering is to begin at the pump room and continue counterclockwise around the building. The pump room is to have "PUMP ROOM" on the outside of the door in minimum six-inch (6") high letters. On all buildings without a pump room, the first personnel door to the right of the main entrance is to be labeled door "1" and continue in a counterclockwise direction. Doors are to be numbered sequentially. No personnel doors and dock doors are to be labeled with the same number. All numbers are to be of a contrasting color to the background.
3. Zone maps and operational instructions are to be posted near the fire alarm panel.
4. A plan showing the location of each pull station, duct detector, mechanical smoke exhaust fan and personnel door locations (by door number) shall be located near the alarm panel.

5. Each sprinkler riser shall be identified by a unique four-inch (4") number above the main valve. If the sprinkler riser, 4-inch or larger, passes through a ceiling, wall or enclosure, an additional four-inch (4") number shall be placed on the riser pipe at a point that is easily visible from floor level. A plan showing the coverage area of each system shall be posted adjacent to the fire alarm panel.

6. Fire sprinkler risers/fire pump rooms shall be directly accessible from an exterior door. The room shall be properly sized for adequate personnel maneuverability and serviceability. Room without a pump, minimum size of fifty-six square feet (56 sq. ft.), with a minimum dimension of seven feet (7'), with a pump, minimum size of one hundred square feet (100 sq. ft.), with a minimum dimension of 10 feet (10 ft). Exterior weatherproof strobe shall be installed.

7. Evacuation of Buildings. Upon any fire alarm activation, all occupants shall immediately evacuate all portions of the building and shall remain outside of the structure until it has been determined that it is safe to return.

24. Amend Subsections 903.3.1.1 and 903.3.1.1.1 to read as follows and by deleting Subsection 903.3.1.1.2 in its entirety:

903.3.1.1 NFPA 13 sprinkler systems. Where the provisions of this code require that a building or portion thereof be equipped throughout with an automatic sprinkler system, sprinklers shall be installed throughout in accordance with NFPA 13, latest edition, except as provided in Section 903.3.1.1.1.

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 rooms are protected with an approved fire detection system in accordance with Section 907.2 that will respond to visible or invisible particles of combustion. Sprinklers shall not be omitted from any room merely because it is damp, of fire-resistance rated construction or contains electrical equipment.

1. Any room where the application of water, or the combination of flame and water, constitutes a serious life or fire hazard.

2. Any room or space where sprinklers are considered undesirable because of the nature of the contents, when approved by the fire code official.

25. Amend Subsection 903.3.1.2 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 fire

protection is required to be extended to small rooms, closets, balconies and attached enclosed garages.

26. Amend Subsection 903.3.5 by adding the following:

903.3.5 Water supplies. Water supplies for automatic sprinkler system shall comply with this section and the standards referenced in Section 903.3.1. The potable water supply shall be protected against backflow in accordance with the requirements of this section and the International Plumbing Code. Water supplies as required for such systems shall be provided in conformance with the supply requirements of the respective standards; however, every fire protection system shall be designed with a 10-psi safety factor.

When any portion of the facility or buildings protected is in excess of 150 feet from a water supply on a public street, as measured by an approved route around the exterior of the facility or building, additional fire hydrants and mains capable of supplying the required fire flow shall be required. Additional hydrant locations shall be based on fire load, internal fire protection systems, required fire flow, vehicular traffic, fire lanes, and other special circumstances. Fire hydrants shall be spaced no farther than six hundred feet (600') in residential areas and three hundred feet (300') in other than residential areas, measured center-on-center. These distances may be modified when sufficient data is provided showing equivalent fire protection can be maintained. Fire hydrants shall be located no closer than three feet (3') nor farther than six feet (6') from a fire lane. Fire supply lines shall be looped systems with no dead-end mains or fire lines greater than one hundred fifty feet (150') in length unless approved by the Fire code official.

27. Amend Section 905.1 to read as follows:

905.1 General. Standpipe systems shall be provided in new buildings and structures in accordance with Sections 905.2 through 905.11. In buildings used for high-piled combustible storage, fire protection shall be in accordance with Chapter 32.

All buildings greater than 20,000 square feet, except for Group R-3, shall be equipped with 2 1/2" hose valves stations. The hose valve locations shall be supplied by a minimum 2 1/2" line from the automatic fire sprinkler system. The hose valve stations shall consist of a 2 1/2" valve. A demand of a minimum of 150 GPM shall be included in the hydraulic calculations. Spacing for the hose valves shall be based on one hundred feet (100') hose lay and thirty feet (30') of stream, beginning at the nearest fire department entry door.

28. Amend Section 907.2.1 to read as follows and by deleting the

4918-9993-1709 v.1

exceptions thereto:

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

29. Amend Section 907.2.1.1 to read as follows:

907.2.1.1 System Initiation in Group A Occupancies with an Occupant Load of Three Hundred (300) or more. Activation of the fire alarm in Group A occupancies with an occupancy load of three hundred (300) or more shall immediately initiate an approved prerecorded message announcement using an approved voice communication system in accordance with Section 907.5.2.2 and NFPA 72 that is audible above the ambient noise level of the occupancy.

Exception: When approved, the prerecorded announcement is allowed to be manually deactivated for a period of time, not to exceed three (3) minutes, for the sole purpose of allowing a live voice announcement from an approved, constantly attended location.

30. Amend Section 907.2.2 to read as follows and by deleting the exceptions thereto:

907.2.2 Group B. A manual fire alarm system, which activate the occupant notification system in accordance with Section 907.5, shall be installed in Group B occupancies where one of the following conditions exists:

1. The combined Group B occupant load of all floors is 500 or more.
2. The Group B occupant load is more than 100 persons above or below the level of exit discharge.
3. The fire area contains an ambulatory care facility.

31. Amend Section 907.2.3 to read as follows and by deleting the exceptions thereto:

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 occupancies. When automatic fire extinguishing systems or automatic fire alarm systems are installed, such systems or detectors shall be connected to the building fire alarm system. An approved smoke detection system shall be installed in all Group E day care occupancies. All buildings, whether portable buildings or the main building, will be considered one building for alarm occupant load consideration and interconnection of alarm system.

32. Amend Subsection 907.2.4 to read as follows and by deleting the exception thereto:

907.2.4 Group F. A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group F occupancies greater than 75,000 gross square feet or are two or more stories in height.

33. Amend Section 907.2.13 to read as follows and by deleting the exceptions thereto:

907.2.13 High-rise buildings. Buildings with a floor used for human occupancy located more than fifty-five feet (55') above the lowest level of fire department vehicle access shall be provided with an automatic smoke detection system in accordance with Section 907.2.13.1, a fire department communications system in accordance with Section 907.2.13.2 and an emergency voice/alarm communication system in accordance with Section 907.5.2.2.

34. Amend Subsection 907.6.3 to read as follows:

907.6.3 Initiating device identification. The fire alarm system shall identify the specific initiating device address, location, device type, floor level where applicable and status including indication of normal, alarm, trouble and supervisory status, as appropriate. A minimum of one audible device shall be installed in each tenant space for automatic fire sprinkler system monitoring systems. Water flow alarm signals shall be silenceable.

Exception: Existing systems need not comply unless the total building remodel or expansion exceeds 25% of the original building.

35. Amend Section 910.4 and Subsection 910.4.3 by adding the following:

910.4 Mechanical smoke removal systems. Where approved by the fire code official, engineered mechanical smoke removal systems shall be an acceptable alternative to smoke and heat vents. In buildings equipped

4918-9993-1709 v.1

with an Early Suppression Fast Response (ESFR) sprinkler system or a Class IV sprinkler system, curtain boards and smoke and heat vents are to be eliminated, and an approved mechanical smoke removal system utilized.

910.4.3 System design criteria. The mechanical smoke removal system shall be sized to exhaust the building at a minimum rate of four (4) air changes per hour based upon the volume of the building or portion thereof without contents. The capacity of each exhaust fan shall not exceed 30,000 cubic feet per minute.

Supply air for exhaust fans shall be provided at or near the floor level and shall be sized to provide a minimum of twenty-five percent (25%) of required exhaust. Openings for supply air shall be uniformly distributed around the periphery of the area served. Personnel doors and dock doors shall not be considered as part of the supply air system.

This system must de-activate all fans upon initiation of the fire alarm system. The system shall have a manual override system in addition to the vent controls located in the protected area. A separate Fire Department access or key switch may be required at a remote location in the building. Each individual fan shall be capable of being activated by a fireman's override switch located in the pump room. Design of the mechanical smoke and heat removal system shall be based on a minimum of four (4) air changes per hour. When activated by the fire alarm, all other mechanical ventilation systems shall shut down. Fans shall be capable of continuous operation even after main building power has been deactivated.

A 3rd party Fire Protection Engineer report may be evaluated on a case-by-case basis. The City of Coppell will not be responsible for the report costs. Submission of the report is not a guarantee that the above system design criteria will not be required to be followed.

36. Section 1020.2; add exception 6 to read as follows:

1020.2 Construction. Corridors shall be fire-resistance rated in accordance with Table 1010.2. The corridor walls required to fire-resistance rated shall comply with Section 708 of the International Building Code for fire partitions.

Exceptions:

...

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

37. Amend Subsection 5601.1.3 and exceptions to read as follows:

5601.1.3 Fireworks. The possession, manufacture, storage, sale, handling and use of fireworks are prohibited within the City of Coppell and within 5,000 feet of its borders.

Exceptions:

1. Approved, professional displays in accordance with Sections 5604, 5605 and 5608 shall be permitted on a case-to-case basis.
2. The possession, storage, sale, handling and use of specific types of Division 1.4G fireworks where allowed by applicable laws, ordinances and regulations, provided such fireworks and facilities comply with the 2006 edition of NFPA 1124, CPSC 16 CFR Parts 1500 and 1507, DOTn 49 CFR Parts 100-185, as applicable for consumer fireworks.

38. Amend Section 5703.6 to read as follows:

5703.6 Piping systems. Piping systems, and their component parts, for flammable and combustible liquids shall be in accordance with Sections 57003.6.1 through 5703.6.11. An approved method of secondary containment shall be provided for underground tank and piping systems.

39. Amend Subsection 5704.2.11.4 and by adopting 5704.2.11.4.3 to read as follows:

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

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 excavation with a minimum of 4 tubes. Sampling tubes shall be placed in the product line excavation within 10 feet of the tank excavation and one every 50 feet routed along product lines towards the dispensers, a minimum of 2 are required.

ARTICLE 15-6. MECHANICAL CODE

Sec. 15-6-1. Mechanical Code - Adopted.

There is hereby adopted the International Mechanical Code, 2024 Edition, and made a part hereof for all purposes, the same as if fully copied in full herein, with the exception of such sections hereof, which are hereafter deleted, modified or amended.

Sec. 15-6-2. Amendments.

The following sections of the International Mechanical Code, 2024 Edition, are hereby amended to read as follows:

1. Amend Section 101.1: Title to read as Follows:

[A] 101.1 Title. These regulations shall be known as the *Mechanical Code* of the City of Coppell, hereinafter referred to as “this code.”

2. Amend Section 306.3, to read as follows:

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

1. A permanent stair.
2. A pull-down stair with a minimum 300 lb. (136 kg) capacity.
3. An *access* door from an upper floor level.
4. *Access* Panel may be used in lieu of items 1, 2, and 3 with prior approval of the code official due to building conditions.

Exceptions:

1. The passageway and level service space are not required where the appliance is capable of being serviced and removed...
{remainder of section unchanged}

ARTICLE 15-7. PLUMBING CODE

Sec. 15-7-1 International Plumbing Code – Adopted.

There is hereby adopted the International Plumbing Code, 2024 Edition, and made a part hereof for all purposes, the same as if fully copied in full herein, with the exception of such sections hereof, which are hereafter deleted,

modified or amended.

Sec. 15-7-2. Amendments.

The following sections of the International Plumbing Code, 2024 Edition, are hereby amended to read as follows:

1. Amend Section 101.1 Title to read as follows:

[A] 101.1 Title. These regulations shall be known as the *Plumbing Code* of the City of Coppell, hereinafter referred to as “this code.”

2. Adopt a new Section 305.4.1, to read as follows:

305.4.1 Sewer Depth. Building sewers shall be a minimum of 12 inches (304 mm) below grade.

3. Insert new Sections 312.12 and 312.12.1, to read as follows:

312.12 Annual Backflow Assembly Inspections. Annual inspections shall be made of all backflow prevention assemblies and air gaps to determine whether they are operable. The property owner is responsible to ensure that testing is being performed.

312.12.1 Testing. Reduced pressure principle backflow preventer assemblies, double check-valve assemblies, double detector-check valve assemblies and pressure vacuum breaker assemblies shall be tested at the time of installation, immediately after repairs or relocation and at least annually. The testing procedure shall be performed in accordance with applicable local provisions. The property owner is responsible to ensure that testing is done in accordance with one of the following standards: (list of standards unchanged)

4. Amend Section 413.4, to read as follows:

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

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

5. Amend Section 502.3 to read as follows:

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

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

6. Adopt a new Section 502.6 to read as follows:

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

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

7. Amend Sections 1003.3.1 and 1003.3.1.1, to read as follows:

1003.3.1 Grease Interceptors and Automatic Grease Removal Devices required. All food establishments having a food waste disposal or a discharge of more than 50 gallons per minute shall discharge into a grease interceptor of at least 750-gallon capacity. Establishments with a discharge of 50 gallons per minute or less shall discharge into at least a 100-lb. size grease trap. An approved grease trap or interceptor complying with the provisions of this section shall be installed in the waste line leading from sinks, drains and other fixtures or equipment in establishments such as restaurants, cafes, lunch counters, cafeterias, bars and clubs, hotel, hospital, factory or school kitchen, or other establishments where grease may be introduced into the drainage or sewage system in quantities that can affect line stoppage or hinder sewage treatment or private disposal.

1003.3.1.1 Engineered Design. Interceptors required by Section 4918-9993-1709 v.1

1003.3.1, 1003.3.4 and 1003.4.2 shall be designed and sized by a Texas-license professional engineer.

“CHAPTER 15-8. FUEL GAS CODE”

Section 15-8-1 Fuel Gas Code – Adopted.

There is hereby adopted the International Fuel Gas Code, 2024 Edition, and made a part hereof for all purposes, the same as if fully copied in full herein, with the exception of such sections hereof, which are hereafter deleted, modified or amended.

Sec. 15-8-2 Amendments.

The following sections of the International Fuel Gas Code, 2024 Edition, are hereby amended to read as follows:

1. Amend Section 101.1, to read as follows:

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

2. Amend Section 306.3 and exceptions, to read as follows:

306.3 Appliances in Attics. Attics containing appliances requiring access shall be provided . . . {bulk of paragraph unchanged} . . . from the opening to the appliance. The passageway shall have continuous unobstructed solid flooring not less than 24 inches (610 mm) wide. A level service space not less than 30 inches (762 mm) deep and 30 inches (762 mm) wide shall be present at the front or service side of the equipment. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm by 762 mm), or larger where such dimensions are not large enough to allow removal of the largest appliance. A walkway to an appliance shall be rated as a floor as approved by the building official. As a minimum, access to the attic space shall be provided by one of the following:

1. A permanent stair.
2. A pull-down stair with a minimum 300 lb (136 kg) capacity.
3. An access door from an upper floor level.
4. Access panel may be used in lieu of items 1, 2, and 3 with prior approval of the code official due to structural conditions.

Exceptions:

1. The passageway and level service space are not required where the appliance is capable of being serviced and removed through the required opening.
2. Where the passageway is not less than 6 feet (1829 mm) high for its entire length, the passageway shall not be greater than 50 feet (15250 mm) in length.
3. **Amend Section 306 by adding Section 306.7 with an exception and subsection 306.7.1 to read as follows:**

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

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

4. **Amend Section 401.5 by adding a second paragraph to read as follows:**

Both ends of each section of medium pressure corrugated stainless steel tubing (CSST) shall identify its operating gas pressure with an approved tag. The tags are to be composed of aluminum or stainless steel and the following wording shall be stamped into the tag: "WARNING 1/2 to 5 psi gas pressure Do Not Remove."

5. **Amend Section 402.3 by adding an exception to read as follows:**

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

6. **Amend Section 404.12, to read as follows:**

404.12 Minimum Burial Depth. Underground piping systems shall be installed a minimum depth of 18 inches (458 mm) to top of pipe below grade

7. **Amend Section 404.12.1 to read as follows:**

404.12.1 Individual outside appliances. Individual lines to outside lights, grills or other appliances shall be installed a minimum of 12 inches (203 mm) to top of pipe below finished grade, provided that such installation is approved and is installed in locations not susceptible to physical damage.”

SECTION 2. If any section, subsection, paragraph, sentence, phrase or work in this ordinance, or application thereof to any person or circumstance is held invalid by any court of competent jurisdiction, such holding shall not affect the validity of the remaining portions of this ordinance, and the City Council of the City of Coppell, Texas hereby declares it would have enacted such remaining portions despite any such invalidity.

SECTION 3. That the repeal of any ordinance or any portion thereof by the preceding sections shall not affect or impair any act done or right vested or accrued or any proceeding, suit or prosecution had or commenced in any cause before such repeal shall take effect; but every such act done, or right vested or accrued, or proceedings, suit or prosecution had or commenced shall remain in full force and effect to all intents or purposes as if such ordinance or part thereof so repealed shall remain in force.

SECTION 4. That any person, firm or corporation violating any of the provisions of this ordinance or the Code of Ordinances as amended hereby, shall be guilty of a misdemeanor and upon conviction in the Municipal Court of the City of Coppell, Texas, shall be subject to a fine not to exceed the sum of Two Thousand Dollars (\$2,000.00) for each offense; and each and every day such offense is continued shall constitute a new and separate offense.


SECTION 5. That this ordinance shall become effective immediately from and after its passage and the publication of the caption, as the law and charter in such cases provide.

DULY PASSED by the City Council of Coppell, Texas, this the 22nd day of April, 2025.

APPROVED:


WES MAYS, MAYOR

ATTEST:


ASHLEY OWENS, CITY SECRETARY

APPROVED AS TO FORM:


ROBERT HAGER, CITY ATTORNEY