

BILL NO. 6920

ORDINANCE NO. 6781

AN ORDINANCE AMENDING SECTIONS 205.070 AND 205.080 OF THE MUNICIPAL CODE OF THE CITY OF CLAYTON, MISSOURI, REGARDING FIRE PROTECTION AND PREVENTION, ADOPTING THE 2021 INTERNATIONAL FIRE CODE

WHEREAS, Section 67.280, RSMo. Supp. 2009, authorizes the City of Clayton to adopt fire prevention codes by adopting an ordinance which incorporates by reference the provisions of such code or portions thereof and any amendment thereto without setting forth the provisions of such code in full provided that one copy of such code to be so adopted shall be filed in the office of the city clerk and there kept available for public use, inspection, and examination for a period of ninety days prior to the adoption of the ordinance which incorporates such code, portion, or amendment by reference; and

WHEREAS, a copy of each of the codes referenced and adopted below, has been filed in the office of the city clerk and kept available for public use, inspection, and examination for a period of at least ninety (90) days prior to the adoption of this ordinance and will, following the adoption of this ordinance, be similarly filed and kept available in the office of the city clerk;

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF CLAYTON, MISSOURI AS FOLLOWS:

SECTION 1. REPEAL OF PRIOR ORDINANCE; ADOPTION OF CODE AND AMENDMENTS

Sections 205.070 and 205.080 of Article II of Chapter 205 of the Municipal Code of Ordinances of the City of Clayton, Missouri, relating to adoption of a fire prevention code for the City are hereby repealed and new Sections 205.070 and 205.080 are hereby enacted in lieu thereof to read as follows:

TITLE II. PUBLIC HEALTH, SAFETY AND WELFARE

CHAPTER 205: FIRE PROTECTION AND FIRE PREVENTION

ARTICLE II. FIRE PREVENTION CODE

Section 205.070. Adoption of Fire Prevention Code

That a certain document, one (1) copy of which is on file in the office of the City Clerk of the City of Clayton, Missouri, being marked and designated as the ICC International Fire Code, 2021 Edition, as published by the International Code Council, Inc., together with the standards which are referenced in Chapter 80 and including Appendix Chapters B, C, D, E, F, G, H, I, K, L, M, and N. be and is hereby adopted as the Fire Prevention Code

of the City of Clayton, Missouri, for the control of buildings and structures as herein provided; and each and all of the regulations, provisions, conditions, and terms of the ICC International Fire Code, 2021 Edition, are hereby referred to, adopted and made a part hereof, as if more fully set out in this Article, with the additions, insertions, deletions and changes prescribed in this Article.

Section 205.080. Amendments To Fire Prevention Code

The following numbered Sections and Subsections of the Fire Prevention Code adopted in Section 205.070 are hereby amended by the following additions, insertions, deletions, and changes. The Chapter and Section numbering format of the ICC International Fire Code, 2021 Edition, is used herein to enhance the understanding of the code by maintaining a consistent format throughout the code. Each Section or Subsection set out below is to be considered as fully a part of the Fire Prevention Code as adopted. The amended Sections and Subsections shall read as follows:

AMENDMENTS TO THE ICC INTERNATIONAL FIRE CODE, 2021 EDITION

Section 101.1 is amended by substituting "The City of Clayton, Missouri," for [NAME OF JURISDICTION] on line two thereof.

Section 103.1 delete existing text. Insert:

103.1 General. The Bureau of Fire Prevention is established within the jurisdiction under the direction of the code official. The function of the bureau shall be the implementation, administration, and enforcement of the provisions of this code.

Section 103.2 delete existing text. Insert:

103.2 Enforcement Official. It shall be the duty and the responsibility of the chief executive officer, designated as the fire chief, to enforce the provisions of this code. The fire chief shall be the Code Official.

Section 103.2.1 add a new Section. Insert:

103.2.1 Bureau Organization. The Bureau of Fire Prevention shall operate under the direct supervision of the fire marshal. The fire marshal shall be a uniformed member and chief officer of the fire department and operate under the direct supervision of the fire chief. The fire marshal shall be appointed on the basis of his/her administrative abilities and qualifications to understand, interpret and enforce the technical provisions of this code. All uniformed members of the fire department shall be considered members of the Bureau of Fire Prevention. The fire marshal may assign or appoint technical assistants, inspectors or other employees that may be necessary for the effective and efficient operation of the Bureau of Fire Prevention. All appointments to the bureau shall be made in conformance with the provisions of the Municipal Code.

Section 103.3 delete existing text. Insert:

103.3 Bureau members code enforcement duties and authority. The fire marshal, and all properly assigned or appointed members of the Bureau of Fire Prevention shall have the duty to assist the fire chief in the administration and enforcement of the provisions of this code. As agents of the fire chief, all properly assigned or appointed members of the Bureau of Fire Prevention shall have the authority to exercise all of the powers of the code official as detailed within this code.

Section 104.12.4 add a new Section as follows. Insert:

104.12.4 Compliance with orders. A person shall not willfully fail or refuse to comply with any lawful order or direction of the fire official or interfere with the compliance attempts of another individual.

Section 104.12.5 add a new Section as follows. Insert:

104.12.5_Vehicles crossing hoses. A vehicle shall not be driven or propelled over any unprotected fire hose of the fire department when laid down on any street, alleyway, private drive or any other vehicular roadway without the consent of the fire official in command of said operation.

Section 104.12.6 add a new Section as follows. Insert:

104.12.6_Vehicles following emergency apparatus. It shall be unlawful for the operator of any vehicle, other than one on official emergency business, to follow closer than 300 feet from any fire apparatus or other emergency vehicle traveling in response to a fire alarm or other emergency or to drive any vehicle within the block or immediate area where a fire apparatus or other emergency vehicle has stopped in answer to a fire alarm or other emergency.

Section 104.12.7 add a new Section as follows. Insert:

104.12.7 Unlawful boarding or tampering with emergency equipment. A person shall not, without proper authorization from the fire official in charge of said fire department emergency equipment, cling to, attach oneself to, climb upon or into, board or swing upon any fire department emergency vehicle, whether the same is in motion or at rest; or sound the siren, horn, bell or other sound-producing device thereon; or manipulate, remove or tamper with, or attempt to manipulate, remove or tamper with any levers, valves, switches, starting devices, brakes, pumps or any equipment or protective clothing on, or a part of, any fire department emergency vehicle.

Section 104.12.8 add a new Section as follows. Insert:

104.12.8 Damage or injury to fire department equipment or personnel. It shall be unlawful for any person to damage or deface, or attempt to damage or deface, any fire

department emergency vehicle at any time or to injure, or attempt to injure, fire department personnel while performing departmental duties.

Section 105.1.4.1 add a new Section as follows. Insert:

105.1.4.1 Permit fees. Permit fees, inspection fees and fees for the board of appeals shall be in accordance with the fee schedule as established by the City of Clayton, Missouri. The code official is authorized to establish a refund policy.

Section 105.3.3 delete existing text. Insert:

105.3.3 Occupancy prohibited before approval. Except as specifically provided for temporary occupancy in the building code adopted by the City, a building, structure or portion thereof, shall not be used or occupied in whole or in part until all fire protection devices and equipment protecting the building, structure or portion to be occupied, have been tested and approved by the code official charged with enforcing this code. All portions of the means of egress for the building, structure or portion to be occupied shall be unobstructed and available for immediate use.

Section 105.3.8.1 add a new Section. Insert:

105.3.8.1 Work commencing before permit issuance. If any person commences any work or operation before obtaining the necessary permits, the permit fee shall be increased to two hundred percent (200%) of the usual permit fee. If the work or operation to be permitted is twenty-five percent or less completed before the necessary permits are obtained, the permit fee shall be increased to three hundred percent (300%) of the usual permit fee. If the work or operation to be permitted is more than twenty-five-percent but equal to or less than fifty-percent completed before the necessary permits are obtained, the permit fee shall be increased to four hundred percent (400%) of the usual permit fee, and if the work or operation to be permitted is more than fifty-percent completed before the necessary permits are obtained, the permit fee shall be increased to five hundred percent (500%) of the usual permit fee.

Section 105.5.17 delete Exception. Insert:

Exceptions:

1. A permit is not required where a valid permit from the water company that supplies the system is displayed and an appropriate backflow prevention device is utilized.
2. A permit is not required for authorized employees of the water company that supplies the system or the fire department to use or operate fire hydrants or valves.

Section 105.5.25.1 add a new Section. Insert:

105.5.25.1 Asphalt kettles. An operational permit is required for the operation of asphalt

kettles inside or on the roof of any building or structure.

Section 105.5.53 add a new section. Insert:

105.5.53 Premises Identification: An operational permit is required. The plan shall be submitted and reviewed annually by August 1 of each year.

Section 105.5.46 add a new Section. Insert:

105.6.46 Helicopter landing/lift-off, hoisting and lowering operations. An operational permit is required for helicopter landing/lift-off, hoisting and lowering operations in accordance with the following. Proof of financial responsibility must be submitted to the code official before a permit is issued.

The helicopter service or the contractor in charge of a helicopter landing/lift-off, hoisting or lowering operations shall demonstrate financial responsibility of liability for damages arising from the landing/lift-off, hoisting or lowering operation by providing the code official with proof of insurance or other appropriate financial responsibility. The amount of financial liability shall be adequate for the payment of all damages which may be caused either to a person or persons, or to property by reasons of the permitted operation, and arising from any actions, or in-actions, of the permit holder, or the permit holder's, employees, agents, contractors or subcontractors.

Permit applications must include a description of the landing/lift-off operation or work to be performed and the safety precautions to be used. Forty-eight hour notice shall be provided before the landing/lift-off, hoisting or lowering operation is to begin. Notification shall be made to other jurisdictional agencies as listed below:

Police department: Written or oral permission must be obtained from the Clayton Police Department in accordance with the Clayton Code of Ordinances.

Housing and Planning department: If mechanical equipment, machinery or building materials are being removed or installed on a building or structure, a permit must be obtained from the Clayton Housing and Planning department.

City Manager: When the hours for operation for the landing/lift-off or erection, demolition, alteration or repair of any building or structure is to occur other than between the hours of 7:00 A.M. and 6:00 P.M. on weekdays a permit shall be secured from the City Manager in accordance with the Clayton Code of Ordinances.

Exceptions:

1. Emergency or precautionary landings.
2. Law enforcement or medical evacuation operations.
3. Other operations approved by the code official.

Section 105.6.46 add a new Section. Insert:

105.6.46 Safety precautions. During all helicopter landing/lift-off, lifting or lowering operations, the following applicable safety precautions shall be followed:

The fire and police departments shall approve landing sites, if landings are necessary.

All materials or equipment to be lifted shall be brought as close as possible to the building or structure site by road vehicles.

The helicopter shall not carry equipment or materials lifted to or lowered from a building or structure over pedestrians, spectators, other buildings or vehicles.

When the operation involves setting or removing equipment or materials from or on an occupied building, the top two (2) floors of the building shall not be occupied by anyone, other than individuals directly involved with the operation while the hoisting or lifting operation is in progress.

All flammable or combustible liquids brought to the site for refueling helicopters shall be stored, used and dispensed in accordance with Chapters 11 and 34 of this code.

A fire department safety officer, or fire department safety team, must be present on the site during all helicopter landing/lift-off, lifting or lowering operations. The safety officer, or safety team, shall terminate the landing/lift-off or lift if weather conditions or other variables make the operation unsafe. The safety officer, or safety team, shall be provided radio communications with the helicopter pilot in the event safety conditions mandate evasive action.

Exceptions:

1. Emergency or precautionary landings.
2. Law enforcement or medical evacuation operations.
3. Other operations approved by the code official.

Section 105.6.25 add a new section. Insert:

105.6.25 Premises Identification: A construction permit is required to install premises identification in accordance with Section 408. Premises identification plans shall be submitted for review and approval before a permit will be issued. Premises identification permits shall be issued at no charge.

Section 109.1 delete existing text. Insert:

109.1 Board of Appeals. There shall be a Board of Appeals to hear and decide appeals of orders, decisions or determinations made by the code official relative to the application and interpretation of this code. The Board of Appeals shall consist of the Board of Appeals appointed and serving in accord with the Building Code adopted by the City and the procedures, rules and regulations governing organization, operation and procedures of the Board of Appeals under the said Building Code shall apply to appeals under this code.

Section 112.4 delete existing text. Insert:

112.4 Penalties. Any person who shall violate a provision of this code or shall fail to comply

with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the code official, or of a permit or certificate used under provisions of this code, shall be guilty of an ordinance violation punishable by a fine of not more than one thousand dollars (\$1,000.00) or by imprisonment not exceeding ninety (90) days, or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Section 112.4.2 add a new Section as follows. Insert:

112.4.2 False alarms. In the event of false alarms, after the second false alarm in any twelve-month period, the alarm user, in lieu of court appearance, may pay to the director of finance a penalty of fifty dollars (\$50.00), and further, after the third false alarm in any twelve-month period, the alarm user, in lieu of court appearance, may pay to the director of finance a penalty of one hundred dollars (\$100.00). For the fifth and subsequent false alarms in any twelve-month period the penalty shall be an amount that is double the amount of the prior penalty (e.g. fifth false alarm, two hundred dollars (\$200.00), sixth false alarm, four hundred dollars (\$400.00), etc.) plus court costs of twenty-five dollars (\$25.00) for each offense thereafter.

Section 113.4 delete existing text. Insert:

113.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work that a person is directed to perform to remove a violation or unsafe condition, shall be guilty of an ordinance violation and punished as provided in Section 112.4 of this code.

Section 114 add a new Section as follows. Insert:

SECTION 114 UNSAFE CONDITIONS

114.1 General. Whenever the code official shall find in any structure or upon any premises dangerous or hazardous conditions or materials as follows, the code official shall order such hazardous conditions or materials to be removed or remedied in accordance with the provisions of this code:

1. Hazardous conditions liable to cause or contribute to the spread of fire in or on said premises or structure or endanger the occupants thereof;
2. Conditions that interfere with the efficiency or operation of any fire protection equipment or system;
3. Obstructions to or on fire escapes, stairs, passageways, doors or windows, that are liable to interfere with the egress of occupants or the operation of the fire department in case of fire;
4. Accumulations of dust or waste material in air-conditioning or ventilating systems or grease in kitchen or other exhaust ducts;

5. Accumulations of grease on kitchen cooking equipment, or oil, grease or dirt upon, under or around any mechanical equipment;
6. Accumulations of rubbish, waste, paper, boxes, shavings or excessive storage of any combustible material;
7. Hazardous conditions arising from defective or improperly utilized or installed electrical wiring, equipment or appliances;
8. Hazardous conditions arising from defective or improperly installed equipment for handling or using combustible, explosive or otherwise hazardous materials;
9. Dangerous or unlawful amounts of combustible, explosive or otherwise hazardous materials; and
10. All equipment, materials, processes or operations that are in violation of the provisions or intent of this code.
11. Vehicles or equipment that impairs or obstructs fire department access to an occupied structure hindering or delaying fire department operations in case of an emergency.

Section 301.2 delete in its entirety. Insert:

301.2 Permits. Permits shall be required as set forth in Section 105.6 for the activities or uses regulated by Sections 303, 306, 307, 308.1.3, 308.1.6, 308.3 and 320.

Section 303.2 delete in its entirety. Insert:

303.2 Location. Asphalt (tar) kettles shall not be located within 20 feet (6096 mm) of any combustible material, combustible building surface or any building opening and within a controlled area identified by the use of traffic cones, barriers or other approved means. Asphalt (tar) kettles and pots shall not be utilized inside of a building or structure. Roofing kettles and operating asphalt (tar) kettles shall not block means of egress, gates, roadways or entrances.

Section 303.10 add a new Section as follows. Insert:

303.10 Permits. Asphalt (tar) kettles shall not be used inside or on the roof of any building or structure without first obtaining a permit from the code official.

Section 303.10.1 add a new Section as follows. Insert:

303.10.1 Safety precautions. All operations shall comply with the following safety precautions:

1. Fired asphalt (tar) kettles shall not be left unattended.
2. Torches or other flame-producing devices shall be fueled with LP gases only.
3. LP gas containers or cylinders shall be stored in accordance with Chapter ~~38~~ 61 of this code and with NFPA 58 listed in Chapter 80 of this code.

4. Torches, flame-producing devices, containers, cylinders, regulators, hoses and other equipment must be designed and approved for the specific purpose intended.
5. LP gas containers or cylinders shall not be transported to the roof in elevators or exit stairways that are occupied by non-construction personnel.
6. Flames from the torch shall not impinge on combustible "Cant Strips" or other combustible structural elements.
7. A firewatch shall be established and conducted in accordance with Section 2604.2 of this code. The firewatch person shall be provided with water hoses connected to an adequate water supply on the premises. The firewatch person shall remain on the premises and in position to observe residual fire effects at least one (1) hour after each use of the torch or flame-producing device.
8. Before a torching operation begins, the site shall be inspected and approved by the fire department. Where climatic, operational or construction conditions warrant specific inspections or observations, a fire department employee shall act as an additional firewatch. Inspection fees for the fire department firewatch shall be paid in accordance with Section 105.1 of this code.

Section 319.1 delete in its entirety. Insert:

Section 319.1 add a new Section as follows. Insert:

319.1 Permit required. Any mobile food preparation vehicle shall require an operational permit from the fire code official for each deployment or location prior to placing the vehicle in its proposed set-up location.

Exceptions:

1. A permit is not required from the fire code official if the vehicle has a current annual fire safety inspection sticker and certification from the City of St. Louis displayed on the vehicle, although the fire code official shall have the authority to conduct an inspection on any food preparation vehicle set-up for operation within their jurisdiction to ensure compliance with this code.
2. Mobile food preparation vehicles operating under and in compliance with a permit obtained under 319.2.1

319.2.1 Event Permit Required. An Event Permit is required from the fire code official for any location where three (3) or more mobile food preparation vehicles will be set-up or in operation at any one time on the same property or at the same venue. The event permit may be issued annually for recurring situations with approval of the fire code official.

319.2.2 Separation between vehicles. There shall be a minimum of 10 feet of clear space between any vehicles as measured from the furthest extent of the vehicle or anything tethered to the vehicle except for a connection to a public utility (water, power, etc).

319.2.3 Separation from structures. There shall be a minimum of 20 feet from any mobile food preparation vehicle and any structure as measured from the furthest extent of the vehicle or anything tethered to the vehicle (except for a connection to a public utility) to the outermost edge of the building roof overhang projected in a vertical plane directly down to the ground surface.

319.2.4 Failure to obtain permit. The fire code official shall have the authority to suspend or revoke the occupancy permit of any commercial occupancy that hosts or otherwise allows an unpermitted mobile food preparation vehicle to operate on its property in violation of Section 319.2.

Section 401.5 delete in its entirety. Insert:

401.5 Making false report. It shall be unlawful for any person to willfully or maliciously give, turn in, signal, transmit or cause to be made, a false alarm or report that a fire or medical emergency has occurred, or is in progress, by any action or means whatsoever, and said false alarm or report causes the unnecessary movement or use of fire department apparatus or personnel, or causes the evacuation of building occupants or the disruption of the building occupant's normal activities. The provisions of Sections 215.800 through 215.930 of Article XVIII of Chapter 215 of the Clayton Code of Ordinances shall also apply to false fire alarms.

Section 404.5 add a new section. Insert:

404.5 Premises Identification: Premises identification shall be in accordance with Section 408.

Section 408 add a new section. Insert:

Section 408 Premises Identification

408.1 Where required: New and existing buildings of Educational Group E shall be identified in accordance with 408.2 through 408.5.

Exception: Previously approved signage shall be permitted until **[DATE BY WHICH MARKING SHALL BE UPDATED]**

408.2 Zone Identification: Zones shall be identified in accordance with sections 408.2.1 through 408.2.4.

408.2.1 Zone Designation: All occupiable structures on the premises shall be divided into sections or designated a specific zone agreeable to the AHJ.

408.2.2 Zone Color Assignment: The zones shall be assigned a primary or secondary color. Other colors may be used/added if approved by the AHJ. *(Recommended, not required, assign the zone with the main entrance RED and proceed clockwise with ORANGE, YELLOW, GREEN, BLUE, PURPLE)*

408.2.3 Zone Level Consistency: Zone color assignment shall be consistent on all grades of multilevel structures.

408.3 Corridors Identification: Corridors inside of a zone shall be identified by the color assigned per section 408.2.

408.3.1 Striping: A solid color representative of the designated zone shall be applied on the walls on both sides of the corridor.

408.3.2 Striping Size and Location: The stripe shall be no less than 4" AFF and no more than 36" AFF, and a minimum of 4 inches (102 mm) in width. The stripe shall be continuous in length of the corridor and terminate at the exit or the transition to a different zone. *(In corridors with lockers, displays, or other fixed obstructions an alternative location may be used as approved.)*

408.3.3 Directional Identification: Colored arrows representative of the zone shall be provided at intersecting corridors. The arrow shall be a minimum of 1" in width and 8" in length. The arrows shall be affixed to the corridor wall at least 4" AFF and no more than 36" AFF. *Other heights may be used as approved.*

408.4 Room and Area Identification: All occupiable rooms and areas within a zone shall be identified in accordance with section 408.4.1 through 408.4.5, with numbers or labels in accordance with section 408.2.

408.4.1 Room and area designation: Rooms and areas shall be identified by their current known number or known descriptive name (i.e., Gym, Library).

408.4.2 Room and Area Color Assignment: Rooms and areas shall be assigned the color of the zone they occupy.

408.4.3 Doors: Doors shall be identified with signage conforming to 408.4.3.1 through 408.4.3.2. Doors shall be labeled in Arabic numbers and alphabetical letters. Numbers shall not be spelled out. Where required, doors shall have signage both inside and out.

408.4.3.1 Egress/Room side of door: A sign with the room number in the assigned zone color shall be affixed over the door and shall be readily visible from inside the room. The numbers shall be in white on a background of the zone color. Each character shall be not less than 4 inches (102 mm) high with a minimum stroke width of 1/2 inch (13 mm).

408.4.3.2 Ingress/Corridor side of door. Room numbers shall be placed above the door and shall be readable from all angles from the hallway or area to which they open. The numbers shall be in white on a background of the zone color. Each character shall be not less than 4 inches (102 mm) high with a minimum stroke width of 1/2 inch (13 mm).

408.4.4 Windows: Signs with the room number in the designated zone color shall be affixed to the interior surface of the left most facing window and shall be visible from the exterior of the building.

408.4.4.1 Placement: Room numbers shall be placed on the left-most window when viewed from outside the building.

408.5 Exterior Door Identification. All doors on the exterior of a building that provide access into the building shall be identified in accordance with section 408.5.1 through 408.5.5.

408.5.1 Number designation: All exterior doors shall be numbered in a sequential order starting with the main entrance (office door/public entrance). The main entrance shall always be #1. Subsequent doors shall be numbered in sequential order in a clockwise manner.

408.5.2 Number color: The color of the number shall represent the zone color per section 408.3. Door numbers shall contrast with their background

408.5.2 Number Size: Door numbers shall be Arabic numbers and alphabetical letters. Numbers shall not be spelled out. Each character shall be not less than 6 inches (152 mm) high with a minimum stroke width of 1/2 inch (13 mm).

408.5.3 Number placement: Door number shall be placed at the top center of the door. Exception: Roll-up doors the number shall be located between 1/2 and 3/4 of the height of the door adjacent to the door opening.

408.5.4 Exterior access to corridors: Doors that provide access directly to a corridor shall be marked with the door number on a retro-reflective block in the corridor zone color per section 408.3.

408.5.5 Exterior access to rooms: Doors that provide access directly into a room shall be marked with the room number or descriptive name per section 408.4.1 directly below the exterior door identification number.

Section 409 add a new Section as follows. Insert:

409 Firefighter assist plans. An approved pictographic display (sign, drawing or wall marking) shall be posted within all enclosed stairways at each floor landing in all new and existing high-rise buildings. Individual displays, or signs shall show the floor level number where the graphic is displayed, the configuration of exit access corridors including all door openings, exit stairways, elevators, exterior building walls, fire alarm pull stations, fire hoses and sprinkler valves. The sign shall be located five (5) feet (1524 mm) above the floor landing in a position that is readily visible when the doors are in the open or closed positions.

Section 503.7 add a new Section as follows. Insert:

503.7 Street obstructions: No person shall erect, construct, place or maintain any bumps, humps, fences, gates, chains, bars, pipes, wood or metal horse or any other type of obstruction in or upon any fire access road unless approved by the Clayton Fire Department.

Section 507.4.1 add a new Section as follows. Insert:

507.4.1 Water flow tests: Water flow tests shall be conducted between the hours of 8:00 A.M. and 4:30 P.M., Monday through Friday.

Section 507.4.2 add a new Section as follows. Insert:

507.4.2 Water flow safety factor: A safety factor shall be applied to all flow tests for fire sprinkler systems. A parallel curve shall be drawn to the actual flow test curve that has been reduced by twenty percent (20%) of the static pressure. A sprinkler system shall not exceed the twenty percent (20%) curve.

Section 507.6 add a new section as follows. Insert:

507.6 Public water supply. The fire prevention code official shall recommend to the chief administrative official of the municipality the location or relocation of new or existing fire hydrants and the placement or replacement of inadequate water mains located upon public property and deemed necessary to provide an adequate fire flow and distribution pattern. A fire hydrant shall not be placed into or removed from service until approved by the fire prevention code official.

Section 507.6.1 add a new Section. Insert:

507.6.1 Color coding of public fire hydrants. All public fire hydrant barrels are to be painted yellow. All fire hydrant bonnets are to be painted as follows:

COLOR	WATER MAIN SIZE
Green	Twelve (12) inch and larger
Orange	Eight (8) and ten (10) inch
Red	Six (6) inch and smaller

Section 507.6.2 add a new Section as follows. Insert:

507.6.2 Color coding of private fire hydrants. All private fire hydrants shall be painted yellow, including the bonnet.

Section 604.4.1 add a new Section as follows. Insert:

604.4.1 Information signs. An approved graphic display of evacuation routes and written information concerning basic evacuation procedures, including the location of the exit stairs, shall be posted in an approved location in all common hallways, in or near elevator lobbies, on all floor levels of all new and existing high-rise buildings.

Section 607.9 add a new Section as follows. Insert:

607.9 Elevator emergency operations testing. All elevators that are equipped with emergency elevator operations in accordance with Rule 211.3 of ASME A17.1 listed in

Chapter 80, shall be tested at least once each year in all phases of emergency functions. An approved elevator service company shall conduct tests.

Section 607.10 add a new Section as follows. Insert:

607.10 Prohibited lockout systems, key-ways and devices. Elevator service shall be provided for fire department emergency access to all floors in all high-rise buildings. The use of security lockout systems, key operated floor selection buttons or other key-ways or other devices which are not automatically rendered inoperative by the fire sensing devices or the key-operated fire service master switch is prohibited. Walls, security bars, equipment or storage may not obstruct access to any building level from any elevator.

Section 806.1.1 delete in its entirety, including exception. Insert:

806.1.1 Restricted occupancies. Natural cut trees shall be prohibited in Group A, B, E, I-1, I-2, I-3, I-4, M, R-1, R-2 and R-4 occupancies.

Exception: Trees located in areas protected by an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2 shall not be prohibited in Groups A, B, E, M, R-1 and R-2.

Section 901.6.2 delete in its entirety. Insert:

901.6.2 Records. Records of all system inspections, tests and maintenance (IT&M) required by the referenced standards shall be maintained on the premises for a minimum of three (3) years. If the required testing frequency is greater than three (3) years, records must be kept for the number of years of the testing frequency plus three (3) years. Upon receipt the building representative or building owner shall forward all IT&M records to the fire code official. If applicable the building representative or building owner can request/direct the IT&M company to forward IT&M records to the code official upon completion.

Section 901.6.2.1 delete in its entirety. Insert:

901.6.2.1 Records information. Accurate logs shall be maintained indicating the number, location and type of device tested. Any defect, modification, maintenance, inspection, testing or repair shall be logged. Initial records shall include the name of the installation contractor, type of components installed, manufacturer of the components, location and number of components installed per floor. Records shall also include the manufacturers' operation and maintenance instruction manuals. Such records shall be maintained on the premises.

Section 901.6.3 add a new Section as follows. Insert:

901.6.3 High-rise standpipe tests. In addition to the standards listed in Table 901.6.1, standpipe flow tests approved by the code official shall be conducted in accordance with NFPA 25 listed in Chapter 80 on standpipe systems in all high-rise buildings every two (2) years. The flow shall not be less than the flow demands required at the time of

installation, or not less than 200 GPM at the topmost hose outlet while maintaining a residual pressure of 50 psi, whichever is the higher demand. At the time of the test, all control valves, including those inside hose cabinets, shall also be operated and tested to insure proper operation of the valves. The results of the tests must be submitted to the code official and also must be entered into the log book.

Section 903.3.1.1 add a new Section as follows. Insert:

903.3.1.1.1 Exempt locations.

Automatic sprinklers shall not be required in the following rooms or areas where such rooms or areas are protected with an approved automatic fire detection system in accordance with Section 907.2 that will respond to visible or invisible particles of combustion. Sprinklers shall not be omitted from a room merely because it is damp, of fire-resistance-rated construction or contains electrical equipment. Sprinklers are required in clean agent, halogenated or carbon dioxide extinguishing systems shall not be considered as an alternative to an automatic sprinkler system in computer rooms, vaults or other rooms where an automatic sprinkler system is required.

Section 903.4.4 add a new Section as follows. Insert:

903.4.4 Post indicating valves. An above ground post indicating valve (PIV) is required on all new structures that require an automatic fire sprinkler suppression system. The private fire service main to a building shall be provided with a listed post indicator valve located to control all sources of water supply as stated in NFPA 24. The valve shall be supervised as listed in Section 903.4.

Section 903.4.5 add a new Section as follows. Insert:

903.4.5 Control valves. At the discretion of the Clayton Fire Marshal additional floor control valves controlling flow to sprinklers in circulating closed loop systems may be required and shall comply with NFPA 13.

Section 907.2.13.1.1 add a new item #3 to Section as follows: Insert:

3. All enclosed pressurized exit stairways in all new and existing high-rise buildings shall comply with Section 1023.11. Pressurization equipment for pressurized stairways shall be activated by smoke detectors installed on the building side of all stairway doors in an approved location. ON-AUTO-OFF control switches shall be provided in the Fire Command Center as required by Section 909.16.

Section 907.3 delete in its entirety. Insert:

907.3 Where required — retroactive in existing buildings and structures. An approved manual, automatic or manual and automatic fire alarm system shall be installed in existing buildings and structures in accordance with Sections 1103.7 through 1103.8.3. Where automatic sprinkler protection is provided in accordance with Section 903.3.1.1

or 903.3.1.2 and connected to the building fire alarm system, automatic heat detection required by this Section shall not be required.

An approved automatic fire detection system shall be installed in accordance with the provisions of this code and NFPA 72. Devices, combinations of devices, appliances and equipment shall be approved. The automatic fire detectors shall be smoke detectors, except an approved alternative type of detector shall be installed in spaces such as boiler rooms where, during normal operation, products of combustion are present in sufficient quantity to actuate a smoke detector.

Section 907.7.4 add a new Section as follows. Insert:

907.7.4 Detector indicators. Smoke detectors or duct detectors located above a ceiling or behind a wall must be provided with a remote indicating device in an approved location at the ceiling or wall to indicate the location of the device.

Exception: Where approved by the code official.

Section 907.7.5 add a new Section as follows. Insert:

907.7.5 Monitoring. All fire alarm and detection systems shall be monitored by an approved central station as defined in NFPA 72. A UL Certificate or FM Placard, in accordance with the 2019 Edition of NFPA 72 Chapter 26, shall be issued by the UL Listed or FM Approved prime contractor for all newly installed required fire alarm systems. This regulation shall apply to all newly installed required fire alarm systems with an installation permit issued on or after December 1, 2007. An existing required fire alarm system wherein the control panel and alarm components are to be replaced, shall be considered newly installed for the purposes of this Section. The code official shall maintain a listing of local UL Listed or FM Approved prime contractors. Central station service in full compliance with the 2019 Edition of NFPA 72 Chapter 26 shall be maintained at the protected property, so long as the requirement for the fire alarm system exists.

Exceptions:

1. Proprietary and Remote Station systems where approved by the code official.
2. Fire alarm and detection systems in one- and two-family dwellings.

Section 907.15.1 add a new Section as follows. Insert:

907.15.1 Fire alarm systems monitoring. Central-station monitoring centers must be listed by Underwriters Laboratories. Monitoring information, including company name, address and phone number, method of transmission and UL listing information shall be provided. Where deemed necessary by the code official, the UL listing information shall be provided along with a copy of the UL Fire Alarm Certificate for the appropriate category (Central Station, Remote Station, or Proprietary).

Section 909.23 add a new Section as follows. Insert:

909.23 Stairway pressurization systems. Stairway pressurization systems that supply air to interior exit stairways to provide a positive pressure in stairways shall be tested annually. Stairways shall be pressurized to a minimum of 0.15 inches of water column and a maximum of thirty-five hundredths (0.35) inches of water column in the stairway relative to the pressure in the building with all stairway doors closed under the maximum anticipated stack pressure.

Section 1026.6 add a new Section as follows. Insert:

1025.6 Exterior floor identification dots. All new high-rise buildings shall be marked on their exterior with floor level identification dots. These dots shall be not less than eight (8) inches in diameter and be of an approved illumination reflective material. Dots shall identify every fifth floor level of the building, in relationship to the floor level indicators on the elevator cars. Dots shall be visible on all faces or sides of the building. Specific dot locations must be approved by the fire department.

Section 1031.1.1 add a new Section as follows. Insert:

1031.1.1 Maintenance. The means of egress from each part of the structure, including exits, stairways, egress doors and any panic hardware installed thereon, aisles, corridors, passageways and similar elements of the means of egress, shall at all times be maintained in a safe condition and available for immediate utilization and free of all obstructions.

Section 1103.7.7.1 add a new Section as follows. Insert:

1103.7.7.1 High-rise buildings. An approved automatic fire alarm system shall be installed in existing high-rise buildings. The system shall be monitored in accordance with Section 907.7.5. The annunciator panel shall be installed in a location approved by the code official and shall give visual indication of the location of all alarm zones that may be in alarm. Systems that are upgraded shall be designed and installed in accordance with the requirements of Section 907.2.13 of this code.

Section 1104.26 add a new Section as follows. Insert:

1104.26 Exterior floor identification dots. All existing high-rise buildings shall be marked on their exterior with floor level identification dots. These dots shall be not less than eight (8) inches in diameter and be of an approved illumination reflective material. Dots shall identify every fifth floor level of the building, in relationship to the floor level indicators on the elevator cars. Dots shall be visible on all faces or sides of the building. Specific dot locations must be approved by the fire department.

Section 2304.3.8 add a new Section. Insert:

2304.3.8 Fire suppression system. The dispensing area (pump islands, canopy and adjacent ground area) shall be provided with an approved fire suppression system.

Section 3103.2 delete in its entirety. Insert:

3103.2 Approval required. Tents and membrane structures shall be subject to application for permit and inspection from the fire code official as required under 3103.2.1 and 3013.2.2.

3103.2.1 Cooking Tents. Tents and membrane structures of any size in or under which cooking with an open flame device or appliance (including LP, natural gas, charcoal, other open flame) shall apply for a permit from the fire code official and provide the following information at a minimum:

- A. Size of the tent or membrane structure.
- B. Type of Fuel Source and Equipment used
- C. Appropriate Extinguisher(s) based on fuel type
- D. Smoke/CO removal for charcoal
- E. Plan view of tent showing its location relative to other structures

Exceptions:

1. Tents used exclusively for recreational camping purposes.
2. Limited cooking performed solely for demonstration purposes in a tent less than 900 s.f.
3. Warming of already prepared food without open flame (e.g. crock pots) in a tent less than 900 s.f.

3103.2.2 Tents Without Cooking. Tents and membrane structures having an area in excess of 900 square feet (37 m²) shall not be erected, operated or maintained for any purpose without first obtaining a permit and approval from the fire code official.

Exceptions (These Exceptions only pertain to this exemption from Section 3103.2.2 and are not a requirement of all tents):

1. Tents used exclusively for recreational camping purposes.
2. Tents open on all sides that comply with all of the following:
 - 2.1. The aggregate area of multiple tents without cooking placed side by side without a fire break clearance of 12 feet (3658 mm), not exceeding 900 s.f. (65 m²) total.
 - 2.2. A minimum clearance of 12 feet (3658 mm) to all structures and other tents unless a greater distance is required elsewhere in the code.
 - 2.3. A minimum clearance of 12 feet (3658 mm) to all structures and other tents unless a greater distance is required elsewhere in the code.

Section 5003.5.2 add a new Section as follows: Insert:

5003.5.2 Hazard sign required. Any occupancy required by this code and/or State law to provide material safety data sheets, shall provide visible markings on the outside of buildings, rooms and containers where hazardous substances are present. These markings shall be in a location approved by the code official. These markings shall conform to the NFPA 704 marking system or with other Federal laws or regulations, or in the case of containers, may as an option comply with Safety and Health Administration Hazard Communication Rule, 29 CFR 1910.1200(f). To avoid duplication of markings, marking requirements of the United States Department of

Transportation shall satisfy the requirements in regard to motor vehicles, rolling stock and aircraft.

Section 5003.5.3 add a new Section as follows:

5003.5.3 Main entrance. Where required by Section 5003.5, all buildings shall have a placard located on the main entry door a minimum of eighteen (18) inches from the bottom edge of the door. This placard shall have a minimum dimension of five (5) inches. This placard is not required to be lettered or numbered.

Section 5003.5.4 add a new Section as follows:

5003.5.4 Other doors. All other doors shall have a placard with a minimum dimension of ten (10) inches located in an approved location that identifies the worst hazard category of the product(s) in that area. This placard shall be provided with numerals in accordance with Section 5003.6.1.

Section 5003.6.1 add a new Section as follows:

5003.6.1 Sign size. The exterior markings of buildings or site entrances where materials are stored shall have a minimum signal size of four (4) inches. All numbers/letters shall be reflective.

Section 5601.1.3 modify as follows: Delete Exception #4 in its entirety.

Section 5601.2.4 delete in its entirety. Insert:

5601.2.4 Financial responsibility. Before a permit is issued, as required by Section 5601.2, the applicant shall file with the jurisdiction a corporate surety bond in the principal sum of two million dollars (\$2,000,000.00) or a public liability insurance policy for the same amount, for the purpose of the payment of all damages to persons or property which arise from, or are caused by, the conduct of any act authorized by the permit upon which any judicial judgment results. The fire code official is authorized to specify a greater or lesser amount when, in his or her opinion, conditions at the location of use indicate a greater or lesser amount is required. Government entities shall be exempt from this bond requirement.

Section 5704.2.13.1.4 modify as follows: Delete Exception for item #3 in its entirety.

Section 5704.3.2.3 add a new Section as follows:

5704.3.2.3 Storage cabinets. Unless otherwise mandated by this code, all flammable and combustibles must be stored in an approved flammable liquids storage cabinet. Cabinet doors must be kept closed.

Section Appendix D103.6 add a new Section as follows. Insert:

D103.6.3 Fire lanes. Fire lanes so legally designated by the chief of the fire department shall be posted with appropriate signs or markings as specified by the chief of the fire department and approved by the board of aldermen so that the public will be aware of the existence of such fire lanes. If said fire lanes are marked by painting them, then they shall be painted red in color. In cases of fire lanes established on private property, the owner thereof, shall provide such signs or

markings at his expense and in cases of fire lanes established on public property, the director of public works shall provide such signs or markings at the expense of the City of Clayton

Section M102 in Appendix M is amended by the insertion and addition of a new subsection M102.1.1 to read as follows: [Ord. No. 6487, 7-11-2017]

M102.1.1 High-rise residential buildings. High-rise buildings containing residential R-2 dwelling units which are platted and constructed as a condominium pursuant to Chapter 448, RSMo., shall be deemed in compliance with Appendix M when all of the following conditions are met:

1. An approved automatic sprinkler system shall be provided within all common areas on all floors such as storage rooms, equipment rooms, laundry rooms, assembly areas, stairways, corridors and exits. Automatic sprinkler systems shall be installed in accordance with 903.3.1.1 of the International Fire Code and each floor shall be zoned with an independent flow device.
2. The automatic sprinkler system installed on each floor of the building in the common areas shall be of sufficient design to support the expansion of the automatic sprinkler system to provide coverage throughout the entire area of the floor.
3. The governing associations or entities of the building shall not prohibit the expansion of the automatic sprinkler system into individual residential units.
4. Smoke alarms complying with Section 907.2.11 shall be installed throughout the building including within the dwelling units.
5. An approved fire alarm system complying with Section 907.5 shall be installed throughout the building.
6. All fire rated doors in openings within fire rated assemblies throughout the building shall be provided with self-closing devices in compliance with Section 716.5.9 of the 2015 International Building Code.
7. Appliances such as ranges or cook tops located within dwelling units shall be protected by an approved labeled fire suppression device.

Section M103.1 in Appendix M is amended and a new Section M103.2 is inserted to read as follows: [Ord. No. 6487, 7-11-2017]

M103.1 Compliance schedule. Except as provided in Section 103.2, below, building owners shall file a compliance schedule with the Fire Code Official not later than three hundred sixty-five (365) days after the first effective date of this code (October 13, 2015). The compliance schedule shall not exceed twelve (12) years for an automatic sprinkler system retrofit.

M103.2 Compliance schedule High-rise residential buildings. Those buildings electing to comply with Section 102.1.1 shall file a compliance schedule with the Fire Code Official not later than one hundred eighty (180) days after adoption of this code amendment (July 11, 2017). The compliance schedule shall not exceed six (6) years to

obtain full compliance with the requirements of Section 102.1.1.

Passed by the Board of Aldermen this 8th of November 2022.



Mayor

Attest:


City Clerk