

ORDINANCE

BILL NO. 6

ORDINANCE NO. 7

AN ORDINANCE AMENDING TO MEET NEW CODE STANDARDS, ADOPTING THE INTERNATIONAL FIRE, BUILDING, RESIDENTIAL AND MECHANICAL CODES, EXISTING BUILDING CODE - 2018 EDITION, NATIONAL ELECTRICAL CODE 2020, ALL NFPA STANDARDS, PLUMBING, ASTM STANDARDS, AND UL STANDARDS; RELATING TO FIRE PROTECTION AND FIRE PREVENTION, AS STANDARDS FOR THE RULES AND REGULATIONS FOR FIRE PROTECTION AND FIRE PREVENTION WITHIN THE SOUTHERN PLATTE FIRE PROTECTION DISTRICT; REGULATING THE CONSTRUCTION OF BUILDINGS AND CONTINUED OCCUPANCY THEREOF, AND PROVIDING FOR PENALTIES FOR THE VIOLATION THEREOF.

WHEREAS, the Board of Directors has determined that the welfare, protection and safety of the residents and businesses for the adoption of certain rules, regulations and standards governing the construction and occupancy of buildings and governing fire conditions hazardous to life, health, and destruction of property, and to better protect the residents of the Fire District from the danger of fire; and

WHEREAS, the Board of Directors has reviewed and approved the enactment of certain nationally recognized codes and standards as an aid to the administration of such rules and regulations and it would be in the best interest of the businesses and residences of the Fire District to adopt such nationally recognized codes and standards; and

WHEREAS, one (1) copy of the here-enacted International Codes and Standards have been placed on file at Fire Station No. 64, Kansas City, Missouri, and are available for public use, inspection, and examination.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF DIRECTORS OF THE SOUTHERN PLATTE FIRE PROTECTION DISTRICT AS FOLLOWS:

SECTION 1. ADOPTION OF THE INTERNATIONAL BUILDING, FIRE, RESIDENTIAL, MECHANICAL AND EXISTING BUILDING CODES – 2018 EDITION, NATIONAL ELECTRICAL CODE 2020, ALL NFPA STANDARDS, PLUMBING, ASTM STANDARDS, AND UL STANDARDS.

In order to protect persons and property from fire and to prevent fires, from and after September 1st, 2022, all buildings within the Southern Platte Fire Protection District, whether for residential or business purposes, shall be built in accordance with the International Building Code, 2018 Edition. The International Fire Code, 2018 Edition, except such portions as are hereinafter deleted, modified, added to, or amended by Section 6 of this Ordinance are hereby adopted by the Southern Platte Fire Protection District for the purpose of prescribing, regulating, and governing the erection, construction, alteration, enlargement, repair, moving, removal, demolition, conversion, occupancy, equipping, use and maintenance of all buildings within the Southern Platte Fire Protection District.

SECTION 2. ADOPTION OF THE INTERNATIONAL FIRE CODE, 2018 EDITION

It is hereby adopted and enacted by the Board of Directors of the Southern Platte Fire Protection District for the purpose of prescribing regulations governing conditions hazardous to life and property from fire and explosion the Code and Standards known as the International Building Fire Code, 2018 Edition, including all appendix chapters except such portions as are hereinafter deleted, modified, or amended by Section 6 of this Ordinance. Such International Fire Code shall be in force and effect and apply to all buildings and structures for residential purposes or for business or building purposes within the Southern Platte Fire Protection District from and after September 1st, 2022. All real estate, buildings, and structures

within the Southern Platte Fire Protection District shall be built, erected, constructed, enlarged, maintained, altered, repaired, moved, demolished, converted, occupied, used, and equipped in accordance with the said International Fire Code.

SECTION 3. ANNUAL INSPECTIONS

All commercial building and business shall be inspected annually, by the Fire District. An Occupancy Permit will be issued for occupancy meeting requirements of this Ordinance.

SECTION 4. DEFINITIONS AND EXPLANATIONS

Whenever the word "jurisdiction" is used, it is deemed to mean the Southern Platte Fire Protection District.

SECTION 5. DELETIONS, ADDITIONS, MODIFICATIONS AND AMENDMENTS

The provisions of Section 109 of the International Fire Code, 2018 Edition, are as follows:

(A) Except in emergencies, as set out in Section 109, rights of appeal are as follows:

- (1) Any decision of the Fire Inspector shall be in writing, state the reason. Therefore, and be served upon the person requesting the decision and/or any person affected or aggrieved thereby within seven (7) days after such decision. Any decision of the Fire Inspector under this or any other ordinance may be appealed to the chief by any person aggrieved by such decision. The term "person" shall include any natural person, corporation, partnership, political subdivision, or any other entity. Such appeal shall be taken by giving written notice to the Chief within seven (7) days of such decision. However, said seven (7) days shall not commence to run until the aggrieved person is served with written notice of such decision from the Fire Inspector stating the reason for the decision. The Chief shall review such decision and render a written decision within seven (7) days of the notice of appeal. Within seven (7) days of the date of the decision the Chief shall cause to be served upon the aggrieved person a copy of his decision. If the appeal is denied, the Chief's written decision shall state the reason(s) therefore. The ruling of the Chief may be appealed by filing a notice of appeal with the Board of Review of the Southern Platte Fire Protection District within seven (7) days of receipt of the written decision of the Chief. The Board of Review shall within thirty (30) days hold a hearing on the appeal.

The Board of Review shall not hold said hearing without serving written notice on the person appealing of the time and place of the hearing said notice to be served on said person at least seven (7) days before such hearing. The Board shall render a written decision that shall include a Finding of Facts and Conclusions of Law within fifteen (15) days after such hearing. A copy of such decision must be served on the person appealing within seven (7) days after said decision is rendered.

If the appeal is not granted to the aggrieved person by the Board of Review, such aggrieved person may appeal to the Circuit Court of Platte County, Missouri, as set forth in Section 6 A (5) of this Ordinance except if the appeal arises under Section 9, 10 or 11 of this Ordinance, such appeal shall be first to the Board of Zoning Adjustment of the appropriate County, City or Village and thereafter to the Circuit Court of Platte County, Missouri, as set forth in Section 64.660 or 89.110 RSMO 1986. Failure of the Chief to render a decision within time allowed or to serve notice on the aggrieved person making the appeal within the time allowed shall constitute granting the appeal of such aggrieved person. Failure of the Board of Review to call a hearing within the time allowed or to render a decision within the time allowed or to serve a copy of the decision within the time allowed shall constitute granting of the appeal to the aggrieved person.

(2) The Board of Review is hereby created. The Board of Review shall consist of three members all of whom shall be voters of the Fire District and shall be knowledgeable in the areas of the building trades or real estate development. The Board of Review shall be appointed by the Board of Directors of the Fire District. The membership of the first Board of Review appointed shall serve respectively one (1) for one (1), one (1) for two (2) years, and one (1) for three (3) years. Thereafter, members shall be appointed for terms of three (3) years each. Vacancies shall be filled for the expired term of any member whose term becomes vacant. The Board of Review shall select its own Chairman who shall serve for three (3) years. The meetings of the Board of Review shall be held at the call of the Chairman and at such other times as the Board may determine. All meetings of the Board of Review shall be open to the public. The Board shall keep minutes of its proceedings, showing the vote of each member upon each question, or if absent or failing to vote, indicating that. The records of the Board of Review shall be maintained in the office of the Fire District under general supervision of the Secretary-Treasurer of the Fire District and shall be open to inspection at all reasonable times. An affirmative vote of two (2) members of the Board shall be required to overrule any decision, ruling, or determination by the Fire Chief or to approve any special exception or variance.

(3) Any appeal provided for hereunder must be taken as herein provided by filing with the person or body hearing the appeal a written Notice of Appeal setting forth the grounds hereof.

All notices under this, or any other Ordinances to the Fire District, to any Fire District official, or to any Fire District Board may be served personally or by leaving such notice with the Secretary-Treasurer of the Fire District or any other person representing the Fire District present at the regular Fire District office. Service may also be made by sending any such notice to the appropriate official by registered or certified mail with a return receipt requested.

Service of notice upon any person or applicant under this or any other ordinance shall be by personal service or by certified or registered mail with a return receipt showing delivery of such notice. Refusal of any of the above persons or officials to accept registered or certified mail shall constitute service.

(4) An appeal to the Chief, the Board of Review, or appropriate Board of Zoning Adjustment stays all enforcement of the decision from which the appeal is being taken.

(5) Any appeal from the decision of the Board of Review shall be made to the Circuit Court of Platte County, Missouri except that if the appeal arises under Sections 9,10, and 11 of this Ordinance, or under any cooperative agreement referred to in Section 13 of this Ordinance, then the appeal shall be to the Board of Zoning Adjustment of the appropriate County, City or Village and then to the Circuit Court of Platte County, Missouri, as provided in Sections 64.660 and 89.110 RSMO. 1986. An appeal to the appropriate Board of Zoning Adjustment or to the Circuit Court stays all enforcement of the decision from which the appeal is being taken.

(B) Appendix D of the International Fire Code, 2018 Edition, is hereby modified to include the following standards for the construction of new streets within the Southern Platte Fire Protection District:

(1) Kansas City Metropolitan Chapter of the American Public Works Association Division V Design Criteria for Streets APWA adopted on 4/17/1996 or later version shall be adhered to as sections are amended by committees.

- (2) The provisions of this paragraph shall apply only to subdivisions within the Southern Platte Fire Protection District that have not been submitted to the proper zoning authority by February 23, 2002. This section is not intended to apply to single-family houses not included in any subdivision.

- (C) Section 307, of the International Fire Code, 2018 Edition, is hereby amended to read as follows:

Section 307.1.1 Open Burning Restrictions. Open burning shall be prohibited on decks and within fifteen (15) feet of a building or structure. Open burning shall be prohibited when atmospheric conditions or local circumstances makes such fires hazardous as determined by the fire code official.

- (D) Section 308, of the International Fire Code, 2018 Edition, is hereby amended to read as follows:

Section 308.1.4 Charcoal burners and other open-flame cooking devices shall not be operated or located on combustible balconies or within ten (10) feet of combustible structure. NOTE: Keep exceptions as written.

- (E) Section 310 shall be amended to the International Fire Code, 2018 Edition, to read as follows:

Section 310, Smoking in bed in hotels, motels, apartments, rooming houses, or rented rooms, etc. prohibited. Carelessly setting fire to furnishings unlawful; Report of Fire required.

- (1) It shall be unlawful for any person while in or on a bed in a hotel, motel, rented rooms or apartment house to smoke a lighted cigarette, cigar, pipe, or tobacco in any form.
- (2) It shall be unlawful for any person to carelessly set fire to, burn or cause to be burned any bedding, furniture, curtains, draperies or household furnishing by means of any lighted cigarettes, cigars, pipes or other form or burning tobacco, or by any means of matches, lighters and the like in lighting or attempting to light any cigarette, cigar, pipe or other form of burning tobacco in any hotel, motel, rooming house or apartment house or rented rooms.
- (3) The owner, manager, or person in control of each hotel, motel, rooming house, or apartment house shall post, or cause to be posted conspicuously, in each unit of occupancy, a printed notice with the wording: "Smoking in Bed Punishable by Ordinance."
- (4) Whenever a fire occurs in any building of any kind, it shall be the duty of the owner, manager, or person in charge of the building, upon discovery of the fire, immediately notify the Fire District and to make such report of the cause and accompanying circumstances as the Fire District may request. This requirement shall not be construed to forbid the owner, manager, necessary to extinguish such fire prior to the arrival of the Fire District. occupant or person in control of the building from using all diligence necessary to extinguish such fire prior to the arrival of the Fire District.
- (5) For the purposes of the Ordinance, smoking shall mean and include the carrying of a lighted cigarette, cigar, pipe, or lighted tobacco in any form.

- (F) Section 310 Shall be amended to the International Fire Code, 2018 Edition as follows:

Section 310, Smoking in Institutional Buildings

- (1) Institutional buildings shall mean hospitals, nursing homes, convalescent homes, homes for the aged and nurseries and schools for children.

- (2) Smoking is prohibited in any room, ward, or compartment where flammable liquids, combustible gases or oxygen are stored or used, and in any other hazardous location. Such areas shall be posted with "NO SMOKING" signs.
 - (3) Smoking by patients classified as not responsible shall be prohibited unless attended.
 - (4) Smoking by patients while they are in bed is prohibited unless an attendant is in the room while the patient is smoking.
 - (5) Smoking by visitors, hospital staff and employees is prohibited except in approved smoking areas including offices, dining room areas, boiler rooms and other areas specifically approved by the Fire Inspector.
 - (6) It shall be unlawful for any person to carelessly set fire to burn or cause to be burned any bedding, furniture, curtains, draperies, or other furnishing by means of any lighted cigarette, cigar, pipe or by means of matches, lighters, and the like in any institutional building.
 - (7) Ashtrays of non-combustible material and safe design shall be provided in all areas where smoking is permitted. The "island in the middle" type of ashtray is considered a safe design.
 - (8) Metal containers, with self-closing devices, shall be provided for disposal of the contents of ashtrays in all areas where smoking is permitted.
 - (9) Approved "NO SMOKING" signs shall be displayed in corridors by the management who shall also post each unit of occupancy with a printed notice with the wording: "SMOKING IN BED WHILE UNATTENDED IS PROHIBITED BY ORDINANCE."
 - (10) Whenever a fire occurs in any institutional building, it shall be the duty of the owner, manager, or person in charge of such building upon discovery of the fire to immediately notify the Fire District and to make such report of the cause and accompanying circumstances as the Fire District may request. This requirement shall not be construed to forbid the owner, manager, or person in control of the building from using all diligence necessary to extinguish such fire prior to the arrival of the Fire District.
- (G) Section 310 hereby amended to the International Fire Code, 2018 Edition, to read as follows:
- Section 310, Smoking in Stores
- (1) No person shall smoke or carry in his hand any lighted cigar, cigarette or pipe while in any retail or discount store, provided, however, that the provisions herein shall not apply to any room or area that has been designated and set aside by the owner, operator, or manager thereof for smoking and which has been approved by the Fire Inspector.
 - (2) It shall be the duty of the owner, operator, or manager of any such store to provide or permanently affix in such store "NO SMOKING" signs as required and approved by the Fire Inspector as to adequately warn and inform persons therein of the provisions of this Ordinance.
- (H) Section 310 is hereby amended to the International Fire Code, 2018 Edition, to read as follows:

Section 310, Smoking in Theaters

- (1) No person shall be permitted to smoke or carry in his hand any lighted cigar, cigarette, or pipe in any theater during any performance or public meeting therein, except in any smoking room, lobby, or foyer.

(I) Section 310 is hereby amended to the International Fire Code, 2018 Edition, to read as follows:

Section 310 Smoking in Elevators Prohibited

- (1) It shall be unlawful for any person to smoke in or on any elevator or to carry in or upon any elevator any lighted cigar, cigarette, pipe, or burning tobacco or to carry in or upon any elevator any open flame or burning ember.
- (2) Every elevator shall be posted with a printed sign or notice with the wording:

“SMOKING OR CARRYING ANY LIGHTED CIGAR, CIGARETTE, PIPE OR BURNING TOBACCO, OR ANY SOURCE OF OPEN FLAME OR ANY BURNING EMBER UPON ANY ELEVATOR IS PROHIBITED BY ORDINANCE.”

(J) Section 503 Fire Apparatus Access Roads

Section 503 is hereby amended to the International Fire Code, 2018 Edition, to read as follows:

- (1) 503.3 Markings. Where required by the fire code official, approved signs and painted curb, or pavement if a curb is absent, shall be provided for fire apparatus access roads to identify such roads or prohibit the obstruction thereof. The means by which fire lanes are designated shall be maintained in a clean and legible condition at all times and be replaced or repaired when necessary to provide adequate visibility. The curb, or pavement if a curb is absent, shall be painted red with white 4-inch letters indicating "NO PARKING FIRE LANE". Lettering shall occur every twenty-five (25) feet of the fire lane. Signs used to indicate fire lanes shall meet the requirements of section D103.6 of the 2018 International Fire Code.
- (2) 503.6 Security Gates. The installation of security gates across a fire apparatus access road shall be approved by the fire code official. Where security gates are installed, they shall have an approved means of emergency operation with a secondary means of operation in the event of failure of the primary operation. The security gates and the emergency operation shall be maintained operational at all times. Electric gate operators, where provided, shall be listed in accordance with UL 325. Gates intended for automatic operation shall be designed, constructed, and installed to comply with the requirements of ASTM F2200. The security gates and the emergency operation shall be maintained operational and shall comply with the following:
 - 1- All gates shall be of the sliding, hinged, or counter-balanced type, and where electrically controlled, shall be capable of being operated to the full open position by emergency responders during loss of power to the gates' operating mechanism.
 - 2- Electrical or mechanical operated gates shall be capable of being unlocked or opened with an approved fire department Knox Lock installed at an accessible location on the entry side of the gate. The key-operated Knox switch shall bypass the release mechanism to allow the gate to be operated by emergency response personnel.
 - 3- In addition to a Knox lock or Knox switch, gates shall be equipped with audible release, set to be operated with an emergency response yelp tone.
 - 4- Keypads and other entry devices installed on gates shall not interfere with the operation of either the approved Knox lock or emergency response audible release.

(K) Section 505 Premise Identification

Section 505 is hereby amended to the International Fire Code, 2018 Edition, to read as follows:

- (1) 505.1 Address Identification. New and existing buildings shall be provided with approved Arabic address numbers in accordance with the following table:

Distance From the Edge of Property Line and Road	Minimum Number Height	Minimum Stroke Width
0 – 25 feet	4 inches	0.5 inch
25 – 50 feet	6 inches	1 inch
50 – 100 feet	8 inches	1.25 inches
100 – 150 feet	10 inches	1.75 inches
Over 150 feet	12 inches	2 inches

The address numbers shall be installed on a contrasting background and be plainly visible from the street or road fronting the property. When required by the fire code official, address numbers shall be provided in additional approved locations and sizes to facilitate emergency response. When the building address cannot be viewed from the public way, a monument, pole, or other approved sign or means shall be used to identify the structure. Address numbers shall be maintained.

(L) Section 506, Key Boxes

Section 506 is hereby amended to the International Fire Code 2018 Edition, to read as follows:

- (1) 506 All commercial buildings with Fire Alarm systems and/or sprinkler systems shall be required to have a Key Box (Knox brand) installed on the building in the approved location of the Fire Inspector.
- (2) 506.1 Where required. Where access to or within a new or existing structure or an area is restricted because of secured openings or where immediate access is necessary for lifesaving or fire-fighting purposes, the fire code official is authorized to require a key box to be installed in an approved accessible location. The key box shall be of an approved type listed in accordance with UL 1037 and shall contain keys to gain access as required by the fire code official. Approved key boxes are required to be installed on any building that has a fire alarm system and/or a fire sprinkler system that is monitored by an approved central station.
- (3) 506.2 The operator of the building shall immediately notify the Southern Platte Fire Protection District and provide the new key when a lock is changed or re-keyed. The key to such lock shall be secured in the key box. The key box shall be maintained in working order by the operator/owner/occupant of the building.

(M) Section 507, Fire Protection Water Supply

Section 507 is hereby amended to International Fire Code, 2018 Edition, to read as follows:

- (1) 507.5.1 Where required. Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than four hundred (400) feet from a hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the fire code official. Exception: For Group R-3 and Group U occupancies, the distance requirement shall be five hundred (500) feet.
- (2) 507.5.1.1 Hydrant for fire department connections. Buildings equipped with a sprinkler or standpipe system installed in accordance with Section 903 or 905 shall have a fire hydrant within one hundred (100) feet of the fire department connections. Exception: The distance shall be permitted to exceed one hundred (100) feet where approved by the fire code official.

(3) 507.5.4 Unobstructed access to fire hydrants shall be maintained at all times. The fire department shall not be deterred or hindered from gaining immediate access to fire protection equipment or fire hydrants. All hydrants shall be painted and highly visible.

(4) 507.5.4.1 Obstructing a Fire Hydrant. No person shall park a motor vehicle or place any other object within fifteen feet of either side of a fire hydrant used or to be used for fire protection when such hydrant is located on private or public property, except that sign or fence posts, shrubbery and protective bollards shall not be within Five feet of any such hydrant.

(N) Section 901 is hereby amended to the International Fire Code 2018 Edition, to read as follows:

(1) 901.4.3 Fire walls. Fire walls, fire barriers, party walls, and horizontal assemblies shall not be used to determine automatic sprinkler system thresholds based on fire areas per section 903.2. The most restrictive occupancy classification applied to automatic fire suppression system thresholds shall be applied to the entire building. Fire barriers are permitted to be considered when determining allowable building height and area limits per section 508 of the International Building Code as adopted and amended.

(O) Section 903 is hereby amended to the International Fire Code 2018 Edition, to read as follows:

(1) 903.1.1 Alternative protection. Alternative automatic fire-extinguishing systems complying with Section 904 shall be permitted in addition to an automatic sprinkler protection where recognized by the applicable standard and approved by the fire chief.

(2) 903.2.10 An automatic sprinkler system shall be provided throughout buildings classified as an enclosed parking garage in accordance with Section 406.6 of the International Building Code.

(3) 903.3.1.2.1 Balconies and decks. Sprinkler protection shall be provided for exterior balconies, decks, and ground floor patios of dwelling units and sleeping units. Sidewall sprinklers that are used to protect such areas shall be permitted to be located such that their deflectors are within 1 inch to 6 inches below the structural members and a maximum distance of 14 inches below the deck of the exterior balconies and decks that are constructed of open wood joist construction.

(4) 903.3.1.2.3 Code as written does not require balconies to be protected in buildings where NFPA-13R systems allowed. Amending code to add requirement to protect balconies in NFPA-13R buildings. Amending to add to require protecting attics in NFPA-13R buildings. Amending to require protecting garages in NFPA-13D buildings. Attic protection shall be provided in all occupancies which are required to be protected by NFPA 13R systems. Exception: Townhome attics shall not require attic protection.

(5) 903.3.1.2.4 Attached garages: Attached garages shall be provided with sprinkler protection when the building is required to have sprinklers.

(6) 903.3.1.3 NFPA 13D sprinkler systems. Automatic sprinkler systems installed in one- and two-family dwellings, and townhomes; Group R-3; and Group R4, Condition 1; and townhouses shall be permitted to be installed throughout in accordance with NFPA 13D, to include sprinkler protection in attached garages.

(7) 903.3.7 Fire department connections. The location of fire department connections shall be approved by the fire code official. Connections shall be 4-inch Storz type fitting with Knox

Storz Guard cap and located within one hundred (100) feet of a fire hydrant, or as approved by the fire code official.

- (8) 903.4.3 Approved supervised indicating control valves shall be provided at the point of connection to the riser on each floor for buildings three (3) or more stories in height.

(P) Section 904 is hereby amended to the International Fire Code 2018 Edition, to read as follows:

- (1) 904.3.5 Where a building fire alarm system is installed, automatic fire-extinguishing systems, to include kitchen hood suppression systems, shall be monitored by the building fire alarm system in accordance with NFPA 72. Exception: Mobile food preparation vehicles.

(Q) Section 907 is hereby amended to the International Fire Code 2018 Edition, to read as follows:

- (1) 907.2.10.8 Maintaining Smoke Alarm(s) within Rental and/or Leased Dwelling Units. It shall be the responsibility of the owner or the designee landlord of every rental or leased dwelling unit, apartment, or room (occupied or vacant) to maintain an operable smoke alarm where sleeping rooms are located. It shall be the responsibility of the owner or the designee landlord to supply and install smoke alarms in accordance with the International Fire Code. The owner shall be responsible to test and maintain smoke alarms in common interior stairways, interior hallways and corridors and common rooms within multi-family structures. The owner shall install new batteries and test the operating condition of each smoke alarm before the new tenant takes possession of the dwelling unit. It shall be the responsibility of the tenant to test the smoke alarm(s) within their dwelling unit. The tenant shall notify the owner or designee landlord of any deficiencies with the operation of the smoke alarm(s). The tenant shall be responsible for the replacement of the required battery in each smoke alarm located in the dwelling unit at least annually unless the battery is supplied or replaced by the owner or designee landlord. The owner or designee landlord is responsible to replace smoke alarms if they are ten years (10) of age or older. The owner or designee landlord should maintain a written log for each smoke alarm tested and when batteries were changed.

(R) Section 912 is hereby amended to the International Fire Code 2018 Edition, to read as follows:

- (1) 912.4 Immediate access to fire department connections shall be no less than 5 feet in width, maintained at all times and without obstruction by fences, bushes, trees, walls or any other fixed or movable object. Access to fire department connections shall be approved by the fire code official. The connection shall be fitted with a four-inch (4") Storz quick coupling connector.

(S) Section 913 is hereby amended to the International Fire Code 2018 Edition, to read as follows:

- (1) 913.4 Where provided, the fire pump suction, discharge and bypass valves, and the isolation valves on the backflow prevention device or assembly shall be supervised open by one of the following methods: 1- Central-station, proprietary, or remote-station signaling service. 2- Local signaling service that will cause the sounding of an audible signal at a constantly attended location.

(T) Section 5601 is hereby amended to International Fire Code 2018 Edition, to read as follows:

- (1) Section 5601 shall be amended as follows:

It shall be lawful for any person to offer for sale, expose for sale, sell at retail, use, store, possess or explode any Class C Common Fireworks as permitted under Chapter 320 of the Revised Statutes of Missouri, 1986, as amended. Such Class C Common Fireworks shall be

permitted for sale, use and possession during the periods June 20 through July 10 and December 20 through January 2.

- (2) 5601.2.4 Shall be amended by adding the following: Any merchant selling Class C Common Fireworks at retail within Southern Platte Fire Protection District shall provide the Fire Marshal or his/her designee a Certificate of Insurance showing that the merchant has during the period of permitted sale, liability insurance in the amount of at least one million (\$1,000,000.00), naming the District as an additional insured. The applicant must fill out a Retail Fireworks Permit Application. At all times, the Class C Common Fireworks permitted under Chapter 320 RSMO, and by this Ordinance shall be located, discharged, and possessed so as not to be hazardous to property or to endanger any person.

The Fire Marshal or his/her designee require permits for supervised public displays of Class B Fireworks which will be conducted per all of INTERNATIONAL FIRE CODE 5601.1-5601.7, RSMO 320.106, 11CSR 40-3.010 which states "shall be supervised, managed, or directed by a Missouri licensed operator or pyrotechnic operator on site." Operators must be licensed by the Division of Fire Safety.

- (3) Section 5601.2.4.2 shall be amended by the addition of the following sentence:

The bond or insurance coverage in order to be deemed adequate by the Chief shall be in the amount of at least one million (\$1,000,000.00) Dollars.

SECTION 6. UNDER GROUND SPACE

These regulations shall apply to subterranean spaces developed by the extraction of subsurface located material from underground spaces. Except for related mine entrances or portals, ventilation shafts and surface utility easements, it is not the purpose of this Ordinance to provide direct regulation of surface uses that are separately regulated by the applicable above ground building and zoning codes. The further purposes of these regulations are:

- (A) To ensure that subterranean space uses are appropriate and reasonably safe (restricted storage / use of hazardous materials and substances).
- (B) To provide efficient streamlined regulations for the circumstances of mixed subterranean space uses, including the need for planning flexibility regarding potential future tenant occupancies.
- (C) To protect the health, life safety, public welfare, and property both for those persons who use the subterranean spaces and of those who use the surface above and adjacent to them.
- (D) To provide a reasonable degree of safety for emergency response personnel.

5.12 BUILDING AND FIRE CODES

- (A) **Building Code:** The provisions of this Section are in addition to the Uniform Building Code, adopted and amended by the Fire District.
- (B) **Fire Code:** The provisions of this Section are in addition to the Uniform Fire Code, as adopted and amended by the Fire District.
- (C) **Mechanical Code:** The provisions of this Section are in addition to the Uniform Mechanical Code, as adopted and amended by the Fire District.

- (D) Plumbing Code: The provisions of this Section are in addition to the Uniform Plumbing Code, as adopted and amended by the Fire District.

5.13 PERMIT AND OCCUPANCY REQUIREMENTS

- (A) Application for Permit and/or Certificate: The subterranean space shall be classified as Group US Occupancies. The subterranean space and all interior building shall make application for a building permit and/or certificate of occupancy as required for a surface occupancy. Approval shall be subject to compliance with all applicable sections of the Section. Areas outside tenant space that are accessory to the use of a particular building including such areas as parking, loading docks, trash containers, public ways and streets are determined to be under control of the owner of the subterranean space for the purpose of this Code.

- (1) Subterranean Master Evacuation Plan: A Master Evacuation Plan is required to be submitted to the Fire District for review and approval. The plan shall define public ways, streets and paths intended to provide evacuation routes to the exterior. The plan shall indicate reflectors required by Part 5.27 of this Section. The Subterranean Master Evacuation Plan shall be updated and resubmitted for approval when public ways, streets and other evacuation routes are altered.
- (2) Subterranean Master Ventilation Plan: A Master Ventilation Plan is required to be submitted to the Fire District for review and approval. The plan shall describe in Part 5.23 of the Section. The plan shall show the location and size (in cfm) of all exhaust fans, ventilation fans and controls. The Subterranean Master Plan shall be updated and resubmitted for approval when major systems are altered.

- (B) Geo-Technical Engineering Studies: Notes that these studies shall only be required for the subterranean space occupancy. A registered engineer with competence in the field, and selected by the owner, shall prepare a report reviewing the structural integrity of the subterranean space. The owner shall select the engineer with approval from the Fire District, provided that adequate information is submitted concerning:

- (1) The engineer's previous experience with mine stability investigation.
- (2) The engineer's geological engineering, geo-technical engineering, rock, or mining engineering expertise; and
- (3) Client contact listing of similar projects. Once selected, the engineer shall submit the following information in the form of a geo-technical report to the Fire District.

- (C) Surveys:

- (1) Surface Survey: The owner of the subterranean space shall provide a boundary survey of the surface of the proposed subterranean space at a scale of 1 inch = 100 feet (unless otherwise approved), tied to the existing section corners, with USGS Sea Level Datum contours at two-foot intervals.
- (2) Subterranean Survey: The owner of the subterranean space shall provide a mine survey tying surface coordinated grid to subterranean space using section corners. This survey shall show locations, size, pattern and spacing of pillars, an existing and proposed portal entrance with a horizontal accuracy of plus or minus one (1) foot. This survey shall also illustrate those areas of other mines directly adjacent (within 100 yards) to the subject tract as well as those portions of other mines being utilized for ventilation or access purposes to the subject

subterranean development. Floor and ceiling spot elevations shall be made throughout the subterranean space as is necessary for drainage purposes.

- (3) Geological Information: The data requested below may be optioned through interpolation of the preliminary plan data if the engineer believes the information is sufficient. (Note: The following information is required to be provided for the subject tract and for those portions of the adjacent mines being utilized for ventilation or access purposes.)

- (a) Borings: A sufficient number of borings as needed for licensed registered engineer to determine geological profile and evaluate structural integrity of the roof beam.
- (b) Profile Section Cuts: Vertical profile of the rock and overburden from the roof of the mine area to ground surface, labeling and the depth of each successive geological layer. Show the elevation of the ground surface, mine floor and roof of each profile location. These vertical profiles shall be provided with a minimum of one longitudinal and one transverse section to give a clear picture of the entire area proposed for development. The vertical profile locations shall be shown on a plan of the total area and labeled for reference. On the same map, location and reference distance to outcrop shall be shown.
- (c) Roof Beam Thickness: Provide an isolate map illustrating roof beam thickness.
- (d) Floor Material: In short narration format indicate floor material and composition thickness.

- (4) Geo-Technical Evaluation:

- (a) Structural Calculation: Submittal of all necessary structural calculations including, determination of original compressive stress loading of the rock layer prior to the mining operation, the projected loading to the support columns; and a complete analysis of the loading patterns and support capability of the pillars, roof beam and floor of the mined area with the ultimate above-ground / below-ground development proposed.
- (b) Subterranean Structural Inspection: An overall visual inspection of the subterranean space is required prior to development. An inspection report shall be prepared and submitted to the Fire District. This report shall indicate major structural flaws and include a statement concerning the overall safety of the subterranean space.

Prior to construction in those areas where a building is proposed, and in all common spaces, a detailed room by room inspection of the subterranean space proposed before occupancy shall be undertaken. This inspection shall indicate such items as: the surface condition of the roof beam, pillars, and floor with detail description of any observed cracking, sloughing, chipping, or other deterioration. Show and describe any evidence of water infiltration.

- (c) Recommended Structural Modification: Submitted of all proposed structural modifications, including any needed blasting for final room/corridor trim work, or loading dock creation.
- (5) Engineer's Certification of Structural Adequacy: The following certification shall be provided by the owner's geo-technical engineer.

I have personally observed the subterranean space described as: _____, I have supervised and reviewed the computations of data and supportive information. Required on-site room-by-room inspections were completed. I have also completed the calculations, analyzed recommendations and conclusions as set forth in the Geo-Technical Engineering Studies of this Section. As a professional engineer, I hereby certify, to the best of my professional judgment, that there is no visible evidence of structural integrity have been completed and/or the area is suitable for occupancy subject to completion of the remedial corrective measures as recommended in the attached survey report in the areas outlined in the attached survey for final occupancy.

Name: _____ Registration No: _____

Signature: _____ Date: _____

(D) Annual Certification and Review:

- (1) Smoke Management: The owners of the subterranean space shall provide the Fire District with an annual exhaust fan test showing results of air flow and clearing rates and conformance with the approved Subterranean Master Ventilation Plan. This exercise shall include operation of all fans, dampers, controls, and testing of required smoke detectors in the air handling system.
- (2) Geo-Technical Engineering Inspection: A visual inspection of all portions of the subterranean development having final occupation approvals shall be undertaken during the year by a person with competence in the field. This inspection shall indicate such items as: the surface condition of the roof beam, pillars, and floor with detailed description of any observed cracking, sloughing, chipping, or other deterioration. Any water infiltration propels shall be described in detail.

Additional inspections techniques, common to the industry shall be performed as needed. The consulting engineer shall review all inspection date, field verify potential propels areas, make recommendations, if needed and complete the following certification annually.

I have personally observed the subterranean space described as: _____, I have personally supervised and reviewed the monitoring data and supportive information. I have completed on-site inspections of the occupied areas where deemed necessary; and I have completed the analysis, recommendations and conclusion as set forth in the "Geo-Technical Engineering Studies" of this Section. I certify that I am currently a professional Engineer.

Name: _____ Registration No. _____

Signature: _____ Date: _____

- (3) Air quality: A certified industrial hygienist or registered engineer shall annually certify that the air quality in the occupied areas of the subterranean development complies with the standards set forth for carbon monoxide in the article. The annual report, including required air quality readings (taken in those areas most likely to have high carbon monoxide readings) shall be submitted to the Fire District for review.

The owner shall take carbon monoxide readings at a frequency of every two months or more frequently as determined by the Fire District. These readings shall be recorded and available for review by the Fire District.

- (4) Emergency Evacuation Drill: The owner shall conduct an annual evacuation drill in conjunction with the Fire District and may modify the Subterranean Master Plan as needed.
- (5) Fire Sprinkler Maintenance: The owner shall maintain the sprinkler system in conformance with the International Fire Code as amended.
- (E) Light, Ventilation and Sanitation: All portions of Group US Occupancy customarily used by human beings shall be provided with artificial light, air, and sanitary facilities as required in the article for the individual occupancy of the developed areas in accordance with surface Building Codes. Toilet facilities shall be located either in the developed occupancies or conveniently nearby in the subterranean space.
- (F) Emergency Response System: At intervals of approximately six hundred (600) feet along all roadways shall be an emergency response station that shall include two standpipe 2.5-inch fire department connections, one 2.5" to 1.5" adapter with 250 feet of 1¾ inch fire hose, one 75 psi medium range fog nozzle with shutoff, one pick head axe, spanner wrench set and rechargeable flashlight. A complex map showing evacuation routes, and a manual pull station which shall be accessible to the public and shall be connected to the subterranean space fire alarm system. These stations shall be illuminated with emergency lighting systems. The stations will be numbered consistent with the address and column grid system in the subterranean space.
- (G) Fire Protection Systems: Fire protection systems shall be provided as required by this article and the Building Code, as amended. Such systems shall be continuously maintained in reliable operation condition at all times, and such periodic inspection and test shall be made as are necessary to ensure proper maintenance. When an automatic sprinkler system is out of service for more than 12 hours within a 24-hour period, the building shall be evacuated.
- (H) Special Hazards:
 - (1) No hazardous occupancies as defined in the Building Code as Group H Occupancies will be allowed in any subterranean space.
 - (2) No hazardous materials, liquids or chemicals shall be stored in Group US Occupancies except as permitted in Table NO. 3-E of the Building Code for a Single one-hour fire resistive control room.
 - (3) All tenants occupying any space and the owner of the common spaces shall be required to adhere to the Fire District Hazardous Materials Permit process in accordance with the Fire District Permit Section.
 - (4) No liquefied petroleum gas or natural gas shall be piped, stored, utilized, or transported within any portion of an underground space.
 - (5) No explosives or any type or class, or fireworks of any type or class shall be manufactured, stored, utilized, or transported into any underground space.

The exception to this provision is in areas where active mining operations are underway, and a Blasting Permit has been issued by the Fire District. No explosives shall be stored for mining operations except for those that are present for immediate utilization. Any magazines or other storage facilities shall be on the exterior of the underground space and shall be in accordance with and Explosive Storage Permit issued by the Fire Department.

- (6) There shall be no utilization of the common spaces outside of any building except for vehicle parking and trash dumpsites. Vehicle parking shall be limited to a maximum of 72 hours in length for any one vehicle.

(I) Emergency and Exit Signs:

- (1) All street and roadways within the subterranean space shall be identified for emergency purposes and readily visible signs. Lettering shall not be less than four inches high and not less than ½ inch wide stroke and shall be of luminescent finish. These signs shall not be higher than four feet above the road surface.
- (2) All street names and building addresses shall be approved by the Fire District.
- (3) Each pillar on each side of a street or roadway shall be identified by name, letter, or number, and below each street sign shall be a large directional arrow with the word “EXIT” in letters not less than six inches high or less than ¾ inch wide stroke. All signs and letters shall be of a reflective or luminescent paint. The exit arrow shall point in the direction of the nearest exit or portal.
- (4) All street identification and exit routing shall be shown on color-coded maps of the subterranean space, shall be posted in all building, shall be posted at the subterranean space entrances, and exits and shall be given to the police and fire departments having jurisdiction in the subterranean space, The maps shall be brought up-to-date annually or as required to be current.
- (5) All emergency evacuation routes shall be marked with roadway-mounted reflectors placed approximately twenty (20) feet apart and as approved by the Fire District or by another evacuation route-marking system as approved by the Fire District.
- (6) All common spaces and roadways shall be open at all times without security fences and/or gates provided. Portal or other perimeter exits from the subterranean space may be secured from unauthorized entry; however, any such portal or perimeter exit shall provide for emergency exiting. The undeveloped area of the subterranean space shall be secured from non-authorized entry. The Fire Department shall have reasonable authority to require security fences or other security measures to isolate specific conditions or equipment deemed hazardous by the Fire District.

(J) Fire Control Room:

- (1) Required: A Group US Occupancy shall contain a fire control room immediately adjacent to an entrance portal of the subterranean space. The Fire District shall have access to the fire control room via a Knox Box System. The room shall contain an annunciation panel that has an electrically operated visual signaling device for each remote alarm initiating (automatic) device, such as fire detectors, water flow switches and for each manual alarm initiating device, such as a manual pull station or manually operated switch.
- (2) Site Plan: At or near the annunciation panel shall be a current large site plan indicating in reasonable detail the entire subterranean space, identifying by letter, name and/or number each pillar, building or tenant space. The location of each manual or automatic detection device and exhaust fan shall be identified with coded letter and/or number to match the visual signal on the annunciation panel. The site plan shall be clear and concise so that the person in charge of the firefighters can immediately locate an emergency.

(3) **Fire Alarm:** Any one of the remote or automatic alarm indication devices shall activate an alarm through audible and visual notification appliances. These shall be capable of being operated from the fire control room on a building-by- building basis and/or as a general alarm throughout the entire subterranean space as specified for the voice communication system, as well as transmitting an alarm automatically to the local fire department.

(4) **Ventilation Controls:** Manual controls (on-of switches) shall be provided for exhaust fans and any other moving air in the common spaces.

Exhaust fans moving air to or from the surface are required to have individual on/off switches. Fans in common spaces used for general circulation may be grouped together for control by the Fire District on one or more manual control switches.

(5) **Radio:** A radio system shall be installed in the Fire Control Room with the specific frequencies as required by the Fire District. This radio system shall be capable of communication with the communications repeaters that shall be located throughout the underground space and shall be able to communicate with the Fire District's Communications Center.

(K) **Subterranean Communication Repeater:** The owner shall provide a constant and unobstructed communication network for the Fire District via repeaters or other such devices throughout the developed areas of the subterranean space.

The system shall be designed to provide communications from the developed spaces to the Fire Control Room. The Fire District shall be able to communicate from the Fire Control Room to the Fire District's Communications Center. The system shall have an emergency backup power source capable of operation this system for a minimum of four hours. Multiple frequencies are required if security, maintenance, or other personnel use the same system. The design of the radio system is required to be approved by the Fire District.

(L) **Streets:** Streets shall be provided with hard surfaces designed and maintained to support the imposed loads and shall be provided with a surface so as to provide weather driving capabilities.

5.14 DEFINITIONS

For the purpose of this Ordinance, certain terms are defined as follows:

Area, Net Usable - Area of the subterranean space not including pillars exterior building wall

Area, Gross - Area of building including pillars but excluding exterior walls.

Building - In an enclosed tenant space separated from public ways, roadway, and other tenants.

Building Code - Refers to the Fire District Building Code; the International Building Code published by the International Conference of Building Officials as adopted and amended by the Fire District.

Common Spaces - All subterranean spaces open and not separated as public ways, streets or exits for the general public.

Emergency Response Station - An Emergency Response Station shall be included at intervals of approximately 600 feet along all roadways. The Emergency Response Station shall include a minimum of one 2.5-inch fire department connection, One 2.5" to 1.5" adapter with 150 feet of 1¾ fire hose, one 75 psi medium range fog nozzle with shutoff, one pick head axe, spanner wrench set and rechargeable flashlight. A complex map showing evacuation routes and a manual pull station

that shall be accessible to the public and shall be connected to the subterranean space fire alarm systems. The stations will be numbered consistent with the address and column grid system in the subterranean space.

Evacuation - The term evacuation in this code is used to describe the means of egress within the common space of the subterranean space to the exterior.

Exiting - The term exiting in this code is used to describe means of egress within tenant buildings to the exterior of the tenant building (which is the common space of the subterranean space).

Exterior Building Walls - Walls separating interior tenant spaces from common spaces including public ways and streets.

Owner - The developer, landlord and/or the party or entity responsible for all common spaces in referred to by this title throughout the Code.

Portal - A large opening created by mining operations that provide access to the underground space. These openings are generally large enough for the passage of vehicles.

Public Way - Is any parcel of land (space) unobstructed by development not less than sixteen (16) feet in width with a clear height not less than seven (7) feet dedicated to the passage of the public.

Street - Is a type of public way used at a vehicle roadway within the subterranean space, not less than twenty-six (26) feet in width providing a clear height of thirteen feet six inches (13'6") that has been dedicated for public use.

Subterranean Master Evacuation Plan - A written plan illustrating evacuation routes, exits, portals and buildings within the subterranean space.

Subterranean Master Ventilation Plan - A written plan illustrating the location and size (in cfm) of all exhaust fans, ventilation fans and controls.

Subterranean (Space Structure) - Is a cavern resulting from the extrication of subsurface-located material from underground areas in such a manner that the surface area of the property is not disturbed except in the vicinity of the entrance and exhaust discharges.

Tenant - Any person, company or entity occupying any of the building within the underground space shall be identified in the Code by this title.

5.15 APPLICATION

(A) General:

- (1) Group US Occupancy shall be a surface space constructed out of a horizontal layer(s) of solid limestone and shall by an approved excavation method of mining, development for use as manufacturing, office, warehousing, and storage only. No other occupancies are permitted except for accessory uses as approved by the Fire District.
- (2) Because the structure of the subterranean space if formed of solid limestone or solid limestone and shale, it should be considered Type I construction as defined in the Building Code as amended. All exit facilities such as passageways or enclosed stairs within the common subterranean space shall be consistent with Type I construction.

- (3) Each individual building within the subterranean space shall be classified and developed as Type I construction as modified herein.

5.16 FIRE RESISTANCE RATING OF STRUCTURAL ELEMENTS

- (A) All construction on or within the subterranean space shall be Type I Construction defined in Table No. 6 of the Building Code with the following Modifications:

- (1) Mezzanine Floors: 0 Hour Fire Resistance including supporting columns.
- (2) Exterior Building Walls: Exterior walls of building within subterranean space shall be of at least two (2) hour fire resistive construction.
 - (a) Openings – All openings in exterior building walls shall conform to the requirements of the Building Code and shall be protected by a fire assembly having at least a 1½ hour fire protection rating.

Exception: Glazed opening not 25% of the length of the exterior wall of the tenant or building space near entrances may utilize tempered or laminated glass protected with sprinklers spaces approximately at six (6) feet apart designed to wet the entire surface of the glass on both sides. Glazing shall be held in gasketed frames to allow expansion before the sprinkler activates. Curtains or other fixtures shall not obstruct the discharge of water.

- (3) Interior Walls and Permanent Partitions: All interior walls and permanent partitions shall be of non-combustible materials. Except where used as backing, fire retardant-treated wood shall not be allowed within these assemblies.

- (4) Tenant Separation Walls:

- (a) Tenant separation walls shall be of at least two (2) hour fire resistive Construction. Except where used as backing, fire retardant treated wood shall not be allowed within these assemblies.
- (b) Openings: All openings between tenant spaces are required to be provided with 1½ hour automatic self-closing fire doors.

Exception: Non-combustible penetrations for conduit and pipes if protected with approved fire stops.

- (5) Area Separation Walls: Area separation walls used to subdivide spaces as required by this Article shall be separated by two (2) hour fire resistive, non-combustible walls. Openings shall be 1½ hour fire resistive and be limited to 25% of the length of the wall.

5.17 FIRE RESISTIVE OCCUPANCY AND USE REQUIREMENTS

- (A) Fuel Fired Equipment is prohibited except as allowed by a Hazardous Materials permit.
- (B) Building and tenant space storing hazardous materials shall be limited to a one (1) hour fire resistive control area for materials list in Table No. 3-D and 3-E as allowed by the Fire District.

5.18 ALLOWABLE FLOOR AREAS – ONE STORY AREAS

- (A) No building of any occupancy classification shall be permitted to have unlimited area. The maximum net usable area for each building including mezzanines shall be limited to 360,000 square feet of gross area.
- (B) Combination of spaces that are greater than 360,000 gross square feet due to the area separation walls shall be provided with exterior access and standpipes as required by the Fire District.

5.19 INTERIOR BUILDING EXITING

- (A) Except as specifically modified herein, every building or portion thereof shall be provided with exits as required by Chapter 10 of the Building Code.
- (B) Exiting Through Adjoining Areas
 - (1) Exits from a room may open into a single adjoining room or area if such adjoining room or area provides a direct means of egress to an exit corridor, exit stairway, public way, street, horizontal exit or exit passageway.
 - (2) Foyers, lobbies, and reception rooms shall not be construed as adjoining rooms when provided obvious and unobstructed means to an exit.

5.20 SUBTERRANEAN EVACUATION FACILITIES

- (A) Evacuation Facilities – Common spaces including streets and roadways throughout the subterranean space shall be considered to be horizontal, continuous, and unobstructed means of egress to an exterior door, portal, horizontal exit, enclosed exit passageway or enclosed stairway.

Any street less than twenty (20) feet in width shall be designated for one-way traffic only.

- (B) Occupancy Load Determination – The occupant load used to determine the required exit capacity load of all the interior building space considered simultaneously occupied.
- (C) Number of Evacuation Routes
 - (1) Every subterranean space shall have not less than two (2) vehicle entrances or portals.
 - (2) Every subterranean space having an occupancy load of 500 to 999 persons shall have not less than three (3) separate evacuation routes.
 - (3) Every subterranean space having an occupancy load over 1,000 persons shall have not less than four (4) separate evacuation routes.
- (D) Width of Evacuation Routes: The total width of evacuation routes in feet shall not be less than the total occupancy load divided by sixty (60) people per foot. Such width shall be divided approximately equally among the separate evacuation routes or portals provided.
- (E) Arrangements of Evacuation Routes: Evacuation routes shall be arranged a reasonable distance apart so that if one route becomes blocked, other route or routes will be available. The minimum distance between the vertical portals shall be a minimum of $\frac{1}{4}$ of the maximum diagonal of the subterranean space but not to exceed 300 feet measured along the subterranean interior perimeter.

- (F) Travel Distance: The maximum distance from the discharge point of a tenant space or building to an exterior door, portal, horizontal exit, enclosed exit passageway or enclosed stair shall be limited to 2,640 feet.
- (G) Entrance Prohibition: Upon the sounding of a general fire alarm, red flashing lights shall activate as each portal. These lights shall be located adjacent to a sign that indicated "Do Not Enter When Light is Flashing - Fire in the Subterranean Space." The sign shall be subject to approval by the Fire District.

5.20 FIRE PROTECTION SYSTEMS

- (A) General: Fire Protection systems shall be provided as set forth in Chapter 9 of the Building Code, except when modified in this Article.
- (B) Sprinkler System Requirements: All occupied areas of the subterranean space including all streets, public way, parking lots, loading docks and other developed areas, shall be protected by an automatic fire sprinkler system.
- (C) Wet Standpipes: A 2.5-inch wet standpipe connection shall be installed inside each building, each exterior door and at any door of any interior exit corridor. Each building standpipe shall be located approximately every 300 feet and have 150 feet of 1¾" fire hose with a 75-gpm nozzle.
- (D) Sprinkler and standpipe systems shall have a flow alarm system that meets the requirements for 5.13-1-3.
- (E) Standby Power: Standby power shall be provided for emergency exit Illumination, fire alarms, fire pumps, exit roadway lighting at standpipes and Control and lighting systems in the fire control room.
- (F) Emergency Response Vehicle: The owner shall provide a one-time payment for an emergency response vehicle that will be owned by the Fire District. The emergency response vehicle shall be a heavy-duty electric-powered vehicle that will operate for a minimum of two (2) hours continuous operation. Vehicle will be secured indoors at/or near the Fire Control Room. It shall need to carry the following minimum requirements.
 - (1) Three (3) personnel with air packs
 - (2) Two hundred (200) feet of 1.75" fire hose
 - (3) 50 lbs. of hand tools and toolboxes
 - (4) 20,000 cfm positive pressure ventilation fan
 - (5) Three (3) auxiliary system lights

5.21 FIRE HYDRANTS

- (A) Standpipes in roadways will be considered as a fire hydrant with supplied with a minimum of a six (6) inch water line and having a dual 2.5 NST fire department connection and valving. A minimum of one standpipe connection shall be located within one hundred fifty (150) feet of each parking area and/or loading dock. All standpipes and valving shall be painted Day-Glo Yellow and illuminated with approved lighting systems.

- (B) Hydrant requirements: All fire hydrants installed on the exterior of the Subterranean space will be in accordance with the Fire District and Missouri American Water Company requirements.
- (C) Fire department connection to standpipe system shall be within twenty-five (25) feet of a fire hydrant.

5.22 BUILDING MECHANICAL SYSTEMS

- (A) General: When heating, cooling or ventilation systems are provided in building and tenant space of Group US Occupancies such system shall be installed in accordance with the Mechanical Code.
- (B) Air Quality: The quality of the air in Group US Occupancies shall be certified annually as established in Part 5.13-A-2 of this Article. Ventilation within building and tenant space shall be designed to limit the concentration of harmful gases gauged by carbon monoxide levels as follows:
 - 35 PPM over one (1) hour period
 - 9 PPM over an eight (8) hour period

5.23 SUBTERRANEAN SPACE VENTILATION

- (A) General: The quality of air in Group US Occupancies shall be certified annually as established in Part 5.13-A.2 of the Article.
- (B) Air Quality: Ventilation within the subterranean space to be designed to limit the concentration of harmful gases by carbon monoxide levels to be limited to an average of 50 PPM in the street or public ways over a one (1) hour period.

5.25 PLUMBING SYSTEM

Plumbing systems installed in Group US Occupancies, including developed areas therein shall comply with the applicable requirements of the Building Code, except as modified by this Ordinance.

- (A) Vent Termination: Each vent pipe or stack serving a plumbing system in a building in a subterranean space shall terminate vertically through the wall of such building to a street or yard. When terminated through a wall, the vent terminal shall be as high above the floor as possible and shall be at least twenty-five (25) feet from any door, window or ventilation intake opening in the building wall. The open end of such vent terminal shall be covered with a protective screen.
- (B) Subterranean Sewer Structure Trap:
 - (1) Whenever a building sewer serving a subterranean space conveys sanitary sewage to a public sewer, a trap shall be installed on the main sewer line outside the subterranean space. The purpose of the trap is to prevent odors or gas and/or pests from entering the subterranean space plumbing system from the public sewer. It is not to be used as a ventilating duct for the public sewer.
 - (2) A fresh-air inlet shall be connected on the upstream side of this trap so as not to interfere with the cleanouts therein. The upper end of the fresh-air inlet shall terminate in a protected area at least twenty (20) feet from a portal or other opening in the subterranean space. The upper end of the inlet shall be turned down and shall be provided with a

substantial protective screen cover. The air inlet shall be sized properly and shall remain open in order to maintain fixture trap seals in the plumbing system.

5.26 ELECTRICAL SYSTEMS

Electrical systems installed in Group US Occupancies, including developed areas therein, shall comply with the applicable requirements of the Building Code, except as modified by this Article.

5.27 UNDEVELOPED AREAS

Undeveloped areas in Group US Occupancies that are not protected by an automatic fire extinguishing system shall not be used for any purpose, including vehicle parking, truck and trailer parking or material storage.

Exception: Non-sprinkled undeveloped space may be used for mining operations and storage of loose rock and sand.

5.28 REFLECTORS

- (A) A system of roadway-mounted reflectors shall be utilized for exiting and to indicate the location of fire department hose connection locations.
- (B) Green reflectors shall show a path indicating the direction of travel of the closest roadway exits or portal.
- (C) Yellow reflectors shall indicate the direction for a secondary egress point, whether from an exit or portal.
- (D) Red reflectors shall indicate the travel direction toward a dead end where no egress from the subterranean space can be accomplished.
- (E) The reflectors shall be placed in accordance with the approval of the Fire District but shall be placed approximately twenty (20) feet apart unless another exiting system is proposed by the owner and approved by the Fire District.

5.29 PENALTY

Any person convicted of a violation of any of the provisions of or failing to comply with any of the mandatory requirements of this Article shall be subject to the enforcement guidelines of this Ordinance.

5.30 EXISTING SUBTERRANEAN SPACES

All Group US Occupancies and subterranean spaces in existence prior to the adoption of this Ordinance shall comply with all sections of the Article except as modified by the Fire District.

SECTION 7. INCORPORATION OF CODES BY REFERENCE

All Codes and Standards referred to in this Ordinance are incorporated in this Ordinance by reference and made a part hereof as if fully set out in this Ordinance.

SECTION 8. AMENDMENTS TO THE INTERNATIONAL BUILDING CODE, 2018 EDITION:

Section 101.2.1 is added to read as follows:

(A) 101.2.1 Appendices Adopted. The following appendices are adopted as part of the code.

(1) Appendix: A, B, C, D, E, F, G, H, I, J, K, L, N

Section 101.4.1 of the International Building Code 2018 Edition is amended to read as follows:

(A) 101.4.1 Add Electrical. The provisions of the National Electrical Code shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings, and appurtenances thereto. The National Electrical Code (NFPA 70) 2020 Edition will be inserted where the ICC Electrical code is referenced throughout this document.

Section 1101.1 is hereby amended to read as follows:

(A) 1101.1 Applicability. Structures existing prior to the adoption of this ordinance, in which there is work involving additions, alterations or changes of occupancy shall be made to conform to the requirements of chapter 11 of the IFC and the International Existing Building Code

SECTION 9. AMENDMENTS TO THE RESIDENTIAL CODE 2018 EDITION

Section R101.2 of the International Residential Code 2018 is amended to say in the removal and/or demolition of any structure shall comply with all pertinent sections of the International Building Code and International Existing Building Code.

Section R102.5 is amended to read:

(A) R102.5. Appendices Adopted. The following Appendices are adopted as part of the code.

(1) Appendix A, B, C, D, E, G, H, K, L

Section R 321.2 is amended to read:

ILLUMINATION. Single-family dwellings shall have the ability to illuminate the address and numbers during the hours of darkness with a power source connected to the house electrical system or other source of approved illumination.

SECTION 10. AMENDMENTS TO THE INTERNATIONAL EXISTING BUILDING CODE, 2018 EDITION

SECTION 1201.2 APPLICABILITY

Structures existing prior to the adoption of this ordinance, in which there is work involving additions, alterations, or changes of occupancy shall be made to conform to the requirements of this chapter or the provisions of Chapters 4 and 10.

SECTION 11. APPLICATION OF ORDINANCE TO EXISTING CONDITIONS

Provisions of this Ordinance shall apply to existing conditions as well as to conditions arising after September 1st, 2022, EXCEPT, those conditions legally in existence at the adoption of this Ordinance and

not in compliance therewith shall be permitted to continue if they do not constitute a distinct hazard of life or property.

SECTION 12. PROCEDURE FOR THE ISSUANCE OF BUILDING PERMITS

Any applicant for a commercial building permit shall, at the time of such application, simultaneously furnish the Fire Inspector of the Fire District or his representative with a completed permit application, drawings that will be submitted to SPFPD shall be in the form of Two (2) sets of printed and one electronic format, on a thumb drive, of completed plans to include electrical, mechanical, building, HVAC, plot/site, fire sprinkler, fire alarm, and any other fire protection system for the building. A project manual with cut sheets shall also be provided. All printed drawings must be submitted in accordance with this ordinance. Electronic drawings must be submitted on a Thumb drive or stick drive in ISO 9660 format. The drawing files will only be accepted in Portable Document Format (Adobe PDF). Filenames must coincide with the drawing sheet name (i.e., Sheet ME1-1 should be named ME1- 1.PDF). PDF files may be composed of one drawing sheet per file, or you may include the entire drawing set in a single PDF. If all drawing sheets are contained in a single PDF; the sheets must be in the correct order according to the drawing index of the cover sheet for the drawing set. A single file containing all sheets of a drawing set should have a name that relates to the building (i.e., samsdeli.pdf).

AutoCAD DWG, Autodesk DXF, MicroStation DGN, or any other drawing formats WILL NOT be accepted under any circumstances.

Any application for any other permit shall, at the time of such application, simultaneously furnish the fire inspector of the Fire District or his representative with drawings that will be submitted to SPFPD in two sets of printed plans and one thumb drive to include electrical, mechanical, building, HVAC, plot/site, fire sprinklers, fire alarm, and any other fire protection system for the structure.

Such plans will be submitted for any structure to be constructed, reconstructed, moved, demolished, structurally altered, or changed. Such plans shall include applicable plans, subdivision plats, drainage plans, elevation plans, and any and all other documents required for the

development of the plot, building or structure. The Fire Inspector or his authorized representative shall have twenty-one (21) business days after complete plans are submitted to review the building plans and drawing on any multifamily or commercial use structure.

No new building or structure shall be constructed, reconstructed, moved, demolished, structurally altered, or changed in use, or in bulk unless the proposed work or use is in conformance with all the provisions of this Ordinance and the Codes and Standards provided for herein.

This Section shall become effective and shall be required for all new buildings and structures located within the Southern Platte Fire Protection District for which an application is made for a building permit on or after the new adoption date.

SECTION 13. PROCEDURES FOR APPROVAL OF SUBDIVISION PLATS AND PLANS

All plans or plats for any subdivision of land located with the Southern Platte Fire Protection District shall be submitted by the applicant to the County, City, or Village as provided in its Zoning and Subdivision Regulations and such plans or plats shall be simultaneously submitted to the Fire Inspector for the Fire District or his authorized representative. The Fire District shall have twenty-one (21) business days to review such plans or plats and notify the County, City, or Village in writing of its approval or disapproval. For good cause shown, upon written application of the Fire District, said time may be extended to two (2) additional days. Such review shall be conducted by the codes and standards adopted by the Fire District. In the event that such plans or plats are disapproved, the Fire District shall advise the County, City, or Village in writing of such disapproval and state the reasons, therefore. If such notification is received by the County, City or

Village within such period of time shall constitute an approval. Any person aggrieved by such denial of approval may appeal as set forth in Section 6 of this Ordinance.

The provisions of this section shall apply to all subdivisions within the Southern Platte Fire Protection District that have not been submitted to the County, City, or Village by September 1st, 2022.

SECTION 14. WATER DISTRIBUTION PLANS

The Fire District shall review all water distribution plans for any subdivision and make recommendations of the number of hydrants, locations, and fire flow. All such water distribution plans must meet the requirements and receive the approval of the Missouri Department of Natural Resources. Upon receipt of such approval, the developer or landowner shall file with the Fire District a copy of the water distribution plan and the written approval of same by the Missouri Department of Natural Resources. The water distribution will be reviewed using Appendix B&C of the International Fire Code.

SECTION 15. PROVISION FOR COOPERATIVE AGREEMENTS

The Fire Protection District is authorized to enter into a cooperative agreement with Platte County, Missouri, the City of Parkville, Missouri, and the Village of Farley, Missouri, or any other contract response district, in order to carry out the provisions of this Ordinance.

SECTION 16. FEES FOR INSPECTIONS AND PLAN REVIEWS

The Board of Directors of the Southern Platte Fire Protection District may establish a schedule of fees for reimbursement to the Fire District for all permits, inspections, reviews of plans, plats, and supporting documents.

SECTION 17. PENALTIES

Except as otherwise provided herein, any person shall violate any of the provisions of this Ordinance or fail to comply herewith or who shall violate or fail to comply with any order made there under, or who shall construct, reconstruct, move, demolish, alter, or change the use or bulk of a building or structure or plan and plat a subdivision is in violation of this Ordinance or who shall fail to comply with an order or decision of the Fire Inspector, Fire Chief, or Board of Review of the Fire District within the time provided for herein shall severally for each and every violation and non-compliance, respectively, be guilty of a Class B Misdemeanor, and upon conviction thereof, shall be punishable by a fine not to exceed Fifteen Hundred Dollars (\$1,500.00). If the fine is not paid by the deadline imposed, the violation and failure to pay the fine or appeals in court at the set date may be further prosecuted as provided in MO statute 321.600 Subsection (12a).

Any person, firm, or corporation having been served with an order in writing signed by the Fire Inspector, Fire Chief, or Board of Review to correct or remove any violation who shall fail to comply with such order within ten (10) days after an appeal made from such order is final.

The owner or general agent of any building, structure, or premises where a violation of the provisions of this Ordinance or order of the Fire Inspector, Fire Chief, or Board of Review has been committed or shall exist, or the lessee or tenant of any entire building or structure in which such violation has been committed or shall exist, or the owner, general agent, lessee, or tenant of any part of the building or premises in which such violation has been committed or shall exist, or the owner, general agent, architect, builder or contractor or any other person who knowingly commits, takes part, or assists in such violation or who maintains any building or premises in which such violation shall exist, shall be guilty of a Class B Misdemeanor and punished as called for in this Section.

All violations of this Ordinance shall be referred to the prosecuting attorney for Platte County, Missouri for prosecution by the office of the prosecuting attorney or the legal officer for the Fire District in his capacity as special assistant prosecuting attorney.

SECTION 18. ABATEMENT AND INJUNCTIVE RELIEF

The Board of Directors of the Southern Platte Fire Protection District may institute in any proper court of law any appropriate action or proceeding in law or in equity to prevent any violation of this Ordinance or any unlawful development, erection, construction, reconstruction, alteration, or maintenance or use, to restrain, abate, enjoin or correct any such violation, or to prevent the occupancy of any building or structure or unlawful use of any land, and to prevent illegal acts, conduct, or violations of this Ordinance. These remedies or abatement and injunction and injunctive relief shall be in addition to the criminal penalties provided for in this Ordinance.

SECTION 19. PRESUMPTION OF VALIDITY

It is the specific intention of the Board of Directors of the Southern Platte Fire Protection District that should any section, paragraph, sentence or word of this Ordinance or of any code or standards hereby adopted be declared for any reason to be invalid that such Board of directors would have passed all other portions of this Ordinance independent of the elimination hereof any such portion as may be declared invalid.

SECTION 20. EFFECTIVE DATE

This Ordinance shall take effect and be in full force from and after September 1st, 2022.


SECTION 21. AVAILABILITY OF CODES AND STANDARD


All of the Codes and Standards referred to in this Ordinance are available online through the International Code Council website, and the National Fire Protection Association website.

SECTION 22. DISTRICT BUSINESS OFFICE

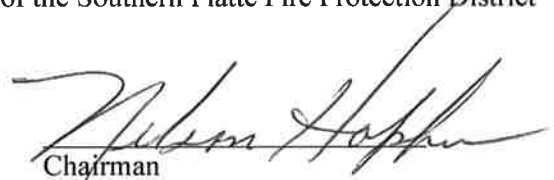
The Board of Directors of the Fire Protection District shall designate a business office that shall be open during hours to be set by the Board on a regular basis so as to be reasonably accessible to the public at all reasonable times. The public shall be advised through newspaper and other announcements of the place of such office and the hours for conduction business.

Read three times and adopted this 24th day of August 2022.



Board Member


Board Member

Approved by the Chairman of the Board of Directors of the Southern Platte Fire Protection District
this 24th day of August 2022.


Chairman

ATTEST:


Secretary