

ORDINANCE NO. 129

AN ORDINANCE REPEALING ORDINANCE NUMBER 123, THE PRESENT BUILDING CODE OF THE DISTRICT, AND ENACTING IN LIEU THEREOF A NEW ORDINANCE GOVERNING THE DESIGN, CONSTRUCTION, ALTERATION, ENLARGEMENT, EQUIPMENT REPAIR, DEMOLITION, REMOVAL, CONVERSION, USE OR MAINTENANCE OF ALL BUILDINGS AND STRUCTURES; AND FURTHER PROVIDING FOR THE ISSUE IN SAID PERMITS, COLLECTION OF FEES, MAKING OF INSPECTIONS, AND PROVIDING PENALTIES FOR THE VIOLATION THEREOF.

BE IT ORDAINED BY THE BOARD OF DIRECTORS OF THE MEHLVILLE FIRE PROTECTION DISTRICT OF ST. LOUIS COUNTY, MISSOURI AS FOLLOWS:

SECTION 1. INCONSISTENT ORDINANCES REPEALED.

Ordinance number 123 of the Mehlville Fire Protection District of St. Louis County, Missouri, and all other Ordinances or parts of Ordinances in conflict herewith are hereby repealed.

SECTION 2. ADOPTION OF BUILDING CODE.

That a certain document, one (1) copy of which is on file in the office of the Code Official of the Mehlville Fire Protection District of St. Louis County, Missouri, being marked and designated as “*ICC[®], International Building Code, 2015 Edition*” as published by the International Code Council, Inc., together with the standards which are referenced in Chapter 35 (pp. 597 – 620) be and is hereby adopted as the Building Code of the Mehlville Fire Protection District of St. Louis County, Missouri, for the control of buildings and structures as herein provided; and each and all of the regulations, provisions, penalties, conditions, and terms of the “*ICC[®], International Building Code, 2015 Edition*”, are hereby referred to, adopted and made a part hereof, as if more fully set out in this Ordinance, with the additions, insertions, deletions and changes prescribed in Section 4 of this Ordinance. The “*ICC[®], International Building Code, 2015 Edition*” may be viewed at <http://codes.iccsafe.org/app/book/toc/2015/I-Codes/2015%20IBC%20HTML/index.html> or purchased from the International Code Council, 500 New Jersey Avenue, NW, 6th Floor, Washington, DC 20001 or by calling 800.786.4452.

SECTION 3. JURISDICTIONAL TITLES.

100.1 Wherever (name of jurisdiction) appears in such Code, it shall read the Mehlville Fire Protection District of St. Louis County, Missouri.

100.2 "Code Official" wherever it may appear is defined as the Fire Marshal and/or Chief Fire Inspector of the Mehlville Fire Protection District of St. Louis County, Missouri, or his duly authorized representative.

CHAPTER 1

SECTION 102.7 (page 2) add a new section. Insert:

102.7 Matters not provided for: Requirements that are essential for the public safety of an existing or proposed activity, building or structure, or for the safety of the occupants thereof, that are not specifically provided for by this code, shall be determined by the *code official*.

SECTION 105.2 (pp 4-5) delete in its entirety, Insert:

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

Building

1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses provided the floor area does not exceed 120 square feet.
2. Temporary motion picture, television and theater stage sets and scenery.
3. Window awnings supported by an exterior wall which do not project more than 54 inches from the exterior wall and do not require additional support of Group R-3, as applicable in Section 101.2 , and Group U occupancies.
4. Nonfixed and movable fixtures, cases, racks, counters and partitions not over 5 feet 9 inches (1753 mm) in height.
5. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.

Gas

1. Portable heating appliance.
2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.

Mechanical

1. Portable heating appliance.
2. Portable ventilation equipment.
3. Portable cooling unit.
4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by this code.
5. Replacement of any part which does not alter its approval or make it unsafe.
6. Portable evaporative cooler.
7. Self-contained refrigeration system containing 10 pounds or less of refrigerant and actuated by motors of 1 horsepower or less.

SECTION 107.1.1 (page 6) add a new section. Insert:

107.1.1 Application of seals: When construction documents are submitted, the application of seals and signatures on those documents shall be required as follows:

- a. All construction documents submitted with an application for a building permit shall bear a seal in accordance with 20 CSR 2030-3.060.

Any addenda or modifications submitted for changes to the construction documents shall also bear a seal in accordance with 20 CSR 2030-3.060. Such changes shall be clearly indicated.

SECTION 109.2 (page 7) delete in its entirety. Insert:

109.2 Schedule of permit fees: The permit fee for all work done in the Mehlville Fire Protection District shall be as shown in Table 109.2. The base amount shown is the plan review fee and is not subject to refunds in accordance with Section 109.6.

TABLE 109.2 (page 7) add a new Table. Insert:

	Permit Type	Permit Fee
10	Condo Building	\$150 + \$4/1000
11	Condo Shell	\$150 + \$4/1000
12	Condo Interior Finish	\$150 + \$4/1000
14	Condo Fire Damage Repair	\$150 + \$4/1000
15	Condo Miscellaneous	\$150 + \$4/1000
20	Apartment Building	\$150 + \$4/1000
21	Apartment Shell	\$150 + \$4/1000
22	Apartment Interior Finish	\$150 + \$4/1000
24	Apartment Fire Damage	\$150 + \$4/1000
25	Apartment Miscellaneous	\$150 + \$4/1000
30	Commercial Building	\$150 + \$4/1000
31	Commercial Shell	\$150 + \$4/1000
32	Commercial Interior Finish	\$150 + \$4/1000
34	Commercial Fire Damage	\$150 + \$4/1000
35	Commercial Addition	\$150 + \$4/1000
36	Commercial Remodel	\$150 + \$4/1000
37	Sprinkler System	\$150 + \$4/1000
38	UG Fire Main	\$150 + \$4/1000
39	Fire Alarm System	\$150 + \$4/1000
40	Range Hood Suppression System	\$150 + \$4/1000
41	Underground Fuel Tank(s)	\$150 + \$4/1000
42	LP Tank(s)	\$150 + \$4/1000
43	Remove UG Fuel Tank(s)	\$150 + \$4/1000
44	Repair UG Fuel Line(s)	\$150 + \$4/1000
45	Above-ground Fuel Tank	\$150 + \$4/1000
46	UG Fuel Line Modification	\$150 + \$4/1000
47	Fire Suppression System	\$150 + \$4/1000
48	Photovoltaic System	\$150 + \$4/1000
50	Miscellaneous	\$150 + \$4/1000
51	Access Control System	\$150 + \$4/1000
52	Rack Storage System	\$150 + \$4/1000

53	Footing & Foundation	\$150 + \$4/1000
54	Structural Steel	\$150 + \$4/1000
55	Kitchen Hood	\$150 + \$4/1000
56	HVAC	\$150 + \$4/1000
57	Paint Booth	\$150 + \$4/1000
58	Fuel Dispenser(s)	\$150 + \$4/1000
59	Fire Apparatus Access Road Gate	\$150 + \$4/1000
60	Flood Damage Repair	\$0
70	Temporary Structure	\$125
99	Void - Other	\$150
200	Site Review	\$125
201	Site Review – Residential	\$0
240	Fireworks	\$200
300	Reoccupancy	\$125
310	Mall Function	\$125
320	Special Use Permit	\$125
340	Commercial TOP	\$125
345	Commercial TOP extension	\$50/month
349	Commercial TOP – UUFEX	\$0
350	Commercial TOP – UUFEX extension	\$0
	Start of construction without permit	Up to \$500
	Reinspection fee	\$50
	After hours inspection	\$150
	Burn Permit - Air Curtain	\$100
	Variance filing fee	\$100
	Demolition permit	\$25 + \$0.10 per 100 sq. ft.

SECTION 110.3.1 (page 8) delete in its entirety. Insert:

110.3.1 Inspections required and inspection placard: When work has progressed to a point of having windows, or when the job is an alteration or addition, the placard shall be attached to the available glass in view for recording the balance of inspections required by the Building Code. (Failure to maintain this inspection and identification board will not relieve the permittee of responsibility as provided by the Building Code) Upon satisfactory completion of the building structure, the Code Official or his authorized representative will make his final inspection, and if all requirements of the Building Code are met, including compliance with the mechanical, and electrical codes of Mehlville Fire Protection District, he will remove the job inspection card.

SECTION 110.3.2 (page 8) delete in its entirety. Insert:

110.3.2 Inspection sequence and approval: No work shall be done on any part of the building or structure beyond the point indicated in each successive inspection without first obtaining the written approval of the Code Official or his authorized representative. Written approval shall be given only after an inspection has been made of each successive step in the construction and all code requirements or corrections are completed as indicated by each of the inspections required. There shall be a final inspection and approval of all buildings to be completed before occupancy as described in Section 111 of the Building Code. Failure to obtain a final inspection before occupancy will constitute a violation of the Building Code, subject to the penalties as described in Section 114.4. Structural framework of any part of a building or structure shall not be covered or concealed in any manner without first obtaining the approval of the Code Official. The Code Official, upon notification from the permit holder or his agent, in accordance with rules of procedure posted in the office of the Code Official, and described on the permit placard, shall make the following inspections and shall either approve that section or portion of the construction as completed, or shall notify the permit holder or his agent that he has failed to comply with the law. The minimum number of inspections required is as contained in Sections 110.3.2.1 and 110.3.2.2.

SECTION 110.3.2.1 (page 8) add a new Section. Insert:

110.3.2.1 Framing or rough-in inspection: A framing or rough-in inspection shall be made after all framing, masonry walls, or fireplace vents and chimneys are completed, including the roof structure, fire blocking, wall bracing, sheathing, heating and cooling duct work, or other appurtenances and accessories which may be concealed, and after plumbing, electrical, and fire rough-in inspections have been posted by those inspection departments. No mechanical, electrical or plumbing systems which are to be concealed shall be covered before this inspection has been made and approved by the Code Official.

SECTION 110.3.2.2 (page 8) add a new Section. Insert:

110.3.2.2 Supplemental inspections: In addition to the required inspections hereinbefore specified, the Code Official may make other inspections which in his judgment are reasonably necessary due to unusual construction or circumstances. The Code Official shall have the authority to inspect any construction work to verify compliance with the Building Code and to properly enforce the rules promulgated by this Code.

SECTION 110.3.3 (page 8) delete in its entirety.

SECTION 110.3.4 (page 8) delete in its entirety.

SECTION 110.3.5 (page 8) delete in its entirety.

SECTION 110.3.7 (page 8) delete in its entirety.

SECTION 111.5 (page 9) add a new Section. Insert:

111.5 Certificate required: Failure of the owner or tenant of a building to obtain the certificate of occupancy and to pay the fees set forth shall be deemed a violation and shall subject said owner or tenant to the penalties prescribed in Section 113.4.

SECTION 111.5.1 (page 9) add a new Section. Insert:

111.5.1 Fee required: The fee for a Certificate of Occupancy shall be as stated in Table 109.2.

SECTION 113.1 through 113.3 (pp 9-10) delete in its entirety. Insert:

113.1 Appeals: An owner, lessee, agent, operator or occupant aggrieved by an order pursuant to this order, may file an appeal to the Board of Directors within ten (10) days from the service of any order, and the Board of Directors shall fix a time and place not less than five (5) days or more than ten (10) days thereafter when and where such an appeal may be heard by it. Such appeal shall stay the execution of such order until it has been heard and reviewed, vacated or confirmed by the Board. In computing the number of days, Saturdays, Sundays and legal holidays shall be excluded.

The Board of Directors shall, at such hearings, affirm, modify, revoke or vacate such order. In conducting and holding the hearing, the Board of Directors shall follow the procedures set forth in §536 RSMo. for "contested" matters. Unless revoked or vacated, such order shall then be complied with.

Nothing herein contained shall be deemed to deny the right of any person, firm, corporation, co-partnership or voluntary association to appeal from an order of a decision of the Board of Directors to a court of competent jurisdiction. Appeals from final decisions of the Board shall be to the appropriate Circuit Court, pursuant to the provisions of §536.100 RSMo. Such appeals shall stay the execution of such order until it has been heard and reviewed, vacated or confirmed by the Court.

SECTION 114.4 (page 10) delete in its entirety. Insert:

114.4 Violation, penalties: Any person, firm or corporation who shall violate any provision of this Ordinance, or who shall fail to comply with any of the requirements thereof, or who shall erect, construct, alter or repair a structure in violation of an approved plan or directive of the Code Official, or of a permit or certificate issued under the provisions of this Ordinance, or shall start any work requiring a permit without first obtaining a permit therefor, or who shall continue any work in or about a structure after having been served a stop-work order, except for such work which that person, firm or corporation has been directed to perform to remove a violation or unsafe condition, or any owner or tenant of a building, or premises or any other person who commits, takes part or assists in any violation of this Code or who maintains any building or premises in which such may cause to be instituted in the name of the District, a civil action for injunction or other appropriate relief to secure a compliance with the provisions of this Code. Injunctive or other appropriate relief shall not be denied on the grounds that an adequate remedy at law exists through the imposition of criminal sanctions.

SECTION 114.5 (page 10) add a new section. Insert:

114.5 Unlawful continuance: Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe conditions, shall be liable to penalties as specified in Section 114.4 of this Ordinance.

Section 114.6 (page 10) add a new section. Insert:

114.6 Civil action: Notwithstanding the provisions hereof, the Code Official, with the approval of the Board of Directors, may cause to be instituted in the name of the District, a civil action for injunction or other appropriate relief to secure a compliance with the provisions of this Code. Injunctive or other appropriate relief shall not be denied on the grounds that an adequate remedy at law exists through the imposition of criminal sanctions.

CHAPTER 3 (pages 41 – 51)

SECTION 308.6 (page 49). Delete in its entirety. Insert:

308.6 Institutional Group I-4, day care facilities. Institutional Group I-4 occupancy shall include buildings and structures occupied by more than five persons of any age who receive custodial care for fewer than 24 hours per day by persons other than parents or guardians, relatives by blood, marriage or adoption, and in a place other than the home of the person cared for. This group shall include, but not be limited to, the following:

Adult day care
Child day care

A family day care home shall be classified as Group R-3 or shall comply with the *International Residential Code* in accordance with Section 101.2.

SECTION 308.6.1 .1(page 49) add a new section. Insert:

308.6.1.1 Family day care home. A child care facility within a family home occupied as a permanent residence by the day care provider, in which family-like care is given for more than four (4) children, but not more than ten (10) children, not related to the day care provider, for any part of the twenty-four (24) hour day.

CHAPTER 5 (pages 97 – 111)

SECTION 501.2.1 (page 97) add a new section. Insert:

501.2.1 Address identification – remote exits. Address identification shall be provided at all remote exit doors in all occupancies.

Exception: Detached structures constructed in accordance with the *International Residential Code*.

CHAPTER 7 (pages 117 – 202)

SECTION 703.7 (page 118) add a new section. Insert:

703.7.1 Penetrations and joints marking system. The marking system shall be located within 2 inches (50 mm) of the through penetration firestop system. For fire-resistant joint systems, the marking system shall be located within 15 feet (4570 mm) of the end of each wall or floor and at intervals not exceeding 30 feet (9144 mm) measured horizontally along the wall or partition.

The marking system shall be legible and contain, at a minimum, the following information:

1. Do Not Disturb - Firestop System or Fire-Resistant Joint System as appropriate
2. Contractor's name, address and phone number
3. System Design Number or Engineering Judgement Number
4. Date of installation
5. Manufacturer's name for firestop materials

SECTION 903.3.5.3 (page 215) add a new Section. Insert:

903.3.5.3 Water flow tests: Water flow tests for *fire protection systems* shall be conducted between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday. Tests shall be within the last twelve (12) months.

SECTION 903.3.5.3.1 (page 215) add a new Section. Insert:

903.3.5.3.1 Water flow safety factor: A safety factor shall be applied to all flow tests for *automatic sprinkler systems*. A parallel curve shall be drawn to the actual flow test curve that has been reduced by 20% of the static pressure. A *fire protection system* design shall not exceed the 20% curve.

Section 903.4.1 (page 216) delete in its entirety. Insert:

903.4.1 Monitoring. Alarm, supervisory and trouble signals shall be distinctly different and shall be monitored in accordance with Section 907.7.5 and shall sound an audible signal at a constantly attended location.

Exceptions:

1. Underground key or hub valves in roadway boxes provided by the municipality or public utility are not required to be monitored.
2. Backflow prevention device test valves located in limited area sprinkler system supply piping shall be locked in the open position. In occupancies required to be equipped with a fire alarm system, the backflow preventer valves shall be electrically supervised by a tamper switch installed in accordance with NFPA 72 and separately annunciated.

Section 903.4.2.1 (page 216) add a new section. Insert:

903.4.2.1 Fire Sprinkler System Fire Department Connection. An approved exterior audio/visual fire alarm notification device shall be installed above all fire department connections. This device shall activate upon a water flow fire alarm signal only. This device shall be visible from the closest fire apparatus access road and installed at twelve feet above ground level or other *approved* location.

Section 903.4.2.1.1 (page 216) add a new section. Insert:

903.4.2.1.1 Water Flow Alarm Signage. A permanent sign shall also be installed under the audio/visual fire alarm notification device which states “Water Flow Alarm”. This sign shall have red letters on a white reflective background. The letters shall be red in color and be Arabic alphabetical letters. Each character shall be not less than 3 inches (76 mm) high.

SECTION 903.4.4 (page 216) add a new section. Insert:

903.4.4 Dry-pipe alarm time. Initial water shall be discharged from the system test connection in not more than 60 seconds, starting at the normal air pressure on the system and at the time of fully opened inspection test connection.

SECTION 903.7 (page 216) add a new Section. Insert:

903.7 Post indicator valves: All *automatic sprinkler systems*, except *limited area sprinkler systems*, shall be provided with a post indicator valve that shall control the *water supply* to all *automatic sprinkler systems* in that building.

Section 904.4.4 (page 217) add a new section. Insert:

904.4.4 Safety requirements. Where persons will be exposed to an alternative automatic fire-extinguishing system discharge, warning signs and discharge alarms shall be provided.

Section 904.4.5 (page 217) add a new section. Insert:

904.4.5 Acceptance tests. All alternative automatic fire-extinguishing systems shall be tested in accordance with this section. A completed system shall be tested by a discharge of expellant gas through the piping and nozzles. Observations for gas leakage and for continuity of piping with free unobstructed flow shall be made. Observations shall be made of the flow of expellant gas through all nozzles. The identification of devices with proper designations and instructions shall be checked. All dry-chemical and wet-chemical extinguishing systems shall also be tested by a discharge of the extinguishing agent. Discharge quantities shall be in accordance with the manufacturer's installation information. After testing, all piping and nozzles shall be blown clean using compressed air or nitrogen, and the system shall be properly charged and placed in the normal "set" condition.

Section 907.1.4 (page 223) add a new section. Insert:

907.1.4 Device labeling. The loop and device address shall be placed on each addressable device or module in an *approved* manner. Upon an activation signal of a device, the location and the device identification number shall be displayed and correspond with the information on the fire alarm control unit.

Section 907.6.3 (page 233) delete in its entirety. Insert:

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

Exceptions:

1. Fire alarm systems that only include manual fire alarm boxes, waterflow initiating devices and not more than 6 additional alarm-initiating devices.
2. Special initiating devices that do not support individual device identification when *approved* by the *fire code official*.
3. Fire alarm systems or devices that are replacing existing equipment.

Section 907.6.6 (page 233) delete in its entirety. Insert:

907.6.6 Monitoring. All *fire alarm systems* shall be monitored by an *approved* central station as defined in NFPA 72. A UL Certificate (UULFX) or FM Placard, in accordance with NFPA 72, 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 new required *fire alarm systems*. An existing required *fire alarm system* wherein the fire alarm control unit or alarm components are to be replaced shall be considered new for the purposes of this section. Central station service in full compliance with NFPA 72 shall be maintained at the protected property, so long as the requirement for the *fire alarm system* exists.

Exception. Monitoring by an *approved* central station is not required for:

1. Single- and multiple-station smoke alarms required by Section 907.2.11.
2. Smoke detectors in Group I-3 occupancies.
3. *Automatic sprinkler systems* in one- and two-family dwellings.

Section 907.6.6.1 (page 233) add a new section. Insert:

907.6.6.1 Owners declaration. When a *fire alarm system* is provided an “Owner’s Declaration of Fire Alarm Certifying” form provided by the District shall be completed and returned before the main building permit will be issued.

Section 912.2.2 (page 248) delete in its entirety. Insert:

912.2.2 Fire Department Connection Location Signage. On new and existing buildings, the fire department connection shall be indicated by an *approved* sign mounted on the street front or on the side of the building. Such sign shall have red letters “FDC” not less than 6 inches (152 mm) high and words in red letters not less than 2 inches (51 mm) high or an arrow to indicate the location on a white reflective background. Such signs shall be subject to the approval of the *fire code official*.

Section 912.2.3 (page 248) add a new section. Insert:

912.2.3 Fire Department Connection Signage. The fire department connection shall be indicated by an approved sign mounted above its location. Such sign shall have red letters “FDC” not less than 6 inches (152 mm) high and the addresses which the fire department connection serves in red letters not less than 2 inches (51 mm) high on a white reflective background. Such signs shall be subject to the approval of the *fire code official*.

SECTION 912.4.4 (page 248) add a new Section. Insert:

912.4.4 No parking areas at fire department connections: When fire department connections are located in an area where vehicles may be parked or standing, said parking or standing shall be restricted for ten (10) feet in each direction from the fire department connection.

SECTION 917.0 (page 248) add a new Section. Insert:

SECTION 917.0 Fire Hydrants

917.1 New Subdivisions: No person shall commence construction of any new building or structure of any kind in any subdivision within the District, unless such person shall have first submitted to the Code Official of the Mehlville Fire Protection District a plot of the aforesaid subdivision, indicating the proposed installation of the fire hydrants within such subdivision, approved by the Code Official.

917.2 New Structures: No person shall commence construction of any new structure, or building, or addition to any structure or building, within or upon any real property within the District, unless such person shall first have submitted to the Code Official of the District a plat or drawing of the property whereon is located such building, structure of addition, which plat or drawing has indicated there on the nearest existing fire hydrant, and if there is not an existing fire hydrant within such distance as is approved by the Code Official, then also the proposed installation of a new fire hydrant or hydrants, and unless, also, the particular locations proposed for such fire hydrants and the number of fire hydrants to be installed if any, shall be approved by the Code Official.

917.3 Installation of other new fire hydrants: No person shall install or cause to be installed any fire hydrant within the District, unless the location thereof and the design and type of the hydrant, including the threads and outlets thereof, shall first have been approved by the Code Official.

917.4 Groups R-3 and R-4 occupancies: There shall be no more than six (6) *dwelling units* constructed prior to the installation of a public water system with fire hydrants as set forth herein so as to be accessible for Fire District use in the event of a fire emergency.

917.5 Other Occupancy Groups: In all other occupancy Groups, public water systems with fire hydrants shall be installed with the commencement of construction.

917.6 Fire hydrant placement: Fire hydrants shall be placed within the guidelines of Section 917.6.1 through 917.6.9.

917.6.1 Single family residential: In Groups R-3 and R-4 occupancies, single family residential developments, fire hydrant spacing shall not exceed six hundred (600) feet from hydrant to hydrant, or as special site conditions may dictate. Local conditions may be such that this distance may vary as much as 100 feet in either direction.

917.6.1.1 Water supply required: In Groups R-3 and R-4 occupancies, single family developments, when the density is one (1) dwelling unit per ten thousand (10,000) square feet of developed property or less, and there are five (5) or more dwelling units in a single development.

917.6.2 Multi-family residential: In Group R-2 occupancies, multi-family residential developments, fire hydrant spacing shall not exceed four hundred and fifty (450) feet from hydrant to hydrant, or as special site conditions may dictate. Local conditions may be such that this distance may vary as much as 75 to 100 feet in either direction.

917.6.2.1 Water supply required: In Group R-2 occupancies, multi-family residential developments, when there are four (4) or more dwelling units within one (1) building or structure.

917.6.3 Other occupancy group developments: In all other occupancy Groups, fire hydrant spacing shall not exceed three hundred (300) feet from hydrant to hydrant, or as special site conditions may dictate. No part of a building shall be more than three hundred (300) feet from a fire hydrant. Local conditions may be such that the distance between fire hydrants or from a building to a fire hydrant may vary as much as 75 to 100 feet in either direction, if otherwise approved by the code official.

917.6.4 Area to be provided with fire hydrants: Fire hydrants and water mains shall be placed along the full length of the property to be developed that abuts an existing and/or proposed improved public way. Variances may be required by the water agency because of water quality considerations.

917.6.5 Fire hydrant spacing: Spacing of fire hydrants along a public way shall be regulated by the occupancy Group classification of the development that abuts the existing and/or proposed public way.

917.6.6 Private hydrants: Where a development, other than Group R-3 or R-4 occupancies, is greater than one hundred fifty (150) feet from an existing and/or proposed improved public way, measured along the driveable access, additional private fire hydrants shall be required on said developed property, private streets and/or parking lots, at a spacing between fire hydrants as required by the occupancy Group as set forth in Section 917.6.1 through and including Section 917.6.4.

917.6.7 No parking area at fire hydrants: Where fire hydrants are required to be installed in areas where vehicles would be parked or standing, said vehicle parking or standing shall be restricted for ten (10) feet in each direction from the fire hydrant.

917.6.8 Prohibited locations: A fire hydrant shall not be placed at any location where the fire hydrant could be damaged by vehicular traffic.

917.6.9 Relocation of fire hydrants: Relocation of fire hydrants requested or required by a property owner and/or developer shall be relocated as specified by the water agency's policies and procedures.

917.7 Fire hydrant installation: All fire hydrants shall be installed in accordance with Sections 917.7.1 through 917.7.3.

917.7.1 Fire hydrant set back distance: All fire hydrants shall be set back from the curb or edge of pavement. The set back shall not exceed twelve (12) feet.

917.7.2 Fire hydrant connection height: Fire hydrants shall be installed a minimum of fourteen (14) inches and a maximum of thirty six (36) inches above finished grade, measured from the center of the steamer connection.

917.7.3 Fire hydrant type: All fire hydrants shall be approved by the American Water Works Association (AWWA) and/or Missouri American Water Company.

917.8 Obstructions: There shall be no obstructions, plantings, bushes, trees, signs, light standards, etc., within six (6) feet of any fire hydrant in all directions.

917.9 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

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

917.11 Minimum fire flow - single hydrant: The minimum fire flow from a single fire hydrant in any occupancy Group shall be fifteen hundred (1500) gallons per minute at twenty (20) psi residual pressure unless the new hydrant is ordered on a pre-existing main.

917.12 Minimum fire flow - next two hydrants: The minimum fire flow from the next two fire hydrants in any occupancy Group shall be a cumulative fifteen hundred (1500) gallons per minute at twenty (20) psi residual pressure.

Exception: Detached buildings of Groups R-3 and R-4 occupancies.

917.13 Access: The commencement of construction of any such new subdivision, or new building, or structure or addition by any person, within the District, shall be deemed to be the granting of permission by such person for entry upon such property by the Missouri American Water Company, or other water supplier, for the installation of any such aforesaid fire hydrants and the water main leading thereto, and also to the District and to the members of its Staff and to its equipment, for access to such fire hydrant, or hydrants, which may be located upon any such property, for any purpose whatever within the functions of the District, in considerations of issue of building permit.

917.14 Building permits: The Code Official of the District shall not approve, nor issue building permits for, nor permit the construction of any such new subdivision, or new building or structure or addition, so long as the owner thereof shall fail to provide for fire hydrants, or to perform any guarantees, or to permit access, according to this Section.

Exception: On the application of any person, the Board of Directors of the District may grant exception to the requirements of this Section for fire hydrant installations, where such person shall prove to the satisfaction of the Board of Directors that there is no water supply reasonably available for the installation of hydrants.

SECTION 918.0 (page 248) add a new Section. Insert:

SECTION 918.0 Fire Service Mains and Appurtenances

918.1 General. This section covers the application, installation, inspection, and testing for fire service mains and appurtenance and their components for new and existing buildings and structures.

918.2 Where required. Fire service mains and appurtenances shall be installed in accordance with the provisions of this code and NFPA 24. The fire service mains and appurtenances shall be designed and installed to support the fire flow requirements of the *standpipe system* and *automatic sprinkler systems* of the building or structure being protected.

918.3 Construction documents. Construction documents for fire service mains and appurtenances shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code, the *International Building Code*, NFPA 24 and relevant laws, ordinances, rules and regulations, as determined by the *fire code official*. All construction documents shall meet the requirements of Section 107 of the *International Building Code*.

918.3.1 Fire service main drawings. Construction documents shall be drawn to an indicated scale on sheets of uniform size, with a plan of each floor as applicable, and shall include the following items that pertain to the design of the system:

1. Name of owner
2. Location, including street address.
3. Point of compass
4. A graphic representation of the scale use on all plans
5. Name and address of contractor
6. Size and location of all water supplies
7. Size and location of standpipe risers, hose outlets, hand hose, monitor nozzles, and related equipment
8. The following items that pertain to private fire service mains:
 - a. Type of pipe being installed
 - b. Pipe size
 - c. Pipe length
 - d. Location
 - e. Weight
 - f. Pipe material
 - g. Point of connection to city main
 - h. Sizes, types, and locations of valves, valve indicators, regulators, meters, and valve pits
 - i. Depth at which the top of the pipe is laid below grade
 - j. Method of restraint in accordance with NFPA 24
9. The following items that pertain to hydrants:
 - a. Size and location, including size and number of outlets and whether outlets are to be equipped with independent gate valves
 - b. Thread size and coupling adapter specifications if different from NFPA 1963
 - c. Whether hose houses and equipment are to be provided and by whom
 - d. Static and residual hydrants used in flow test
 - e. Method of restraint in accordance with NFPA 24
 - f. Installation shall done in accordance with Section 918 of this Code
10. Size, location and piping arrangement of fire department connection(s)
11. Location and piping arrangement for Post Indicator Valve. All Post Indicator Valves shall be OSHA safety red in color. Post Indicator Valves shall have address identification signs

918.3.2 Manufacturer's Installation Instructions. The construction document submittals shall include the manufacturer's installation instructions for all pipe used or American Water Works Association (AWWA) installation documentation and any specially listed equipment, including descriptions, applications, and limitations for any devices, piping, or fittings.

918.4 Qualified Installer. Installation work shall be performed by fully experienced and responsible persons. The construction application and installation shall be by a Licensed Master Pipe Fitter, Master Plumber or Master Sprinkler Fitter with St. Louis County, Missouri.

918.5 Inspections. The following inspection shall be conducted during the installation of Fire Main Services and Appurtenance:

1. Pipe/trench inspection shall be conducted while pipe is being installed into trench. No back fill shall be introduced into trench until inspection unless previous approval from fire code official.
2. Proper fill and tamping of fill around pipe. Installation shall be done in accordance with the manufacturer's installation instructions or AWWA installation documents. Rocks are not permitted in accordance with NFPA 24.
3. Thrust block pre-pour inspection. Framed or non-framed.
4. Thrust block pour inspection.
5. Hydrostatic testing is required in accordance with NFPA 24.
6. Flush Inspection. Flush flow shall be through a minimum four inch opening with proper hose or pipe attached. Hose or pipe shall be restrained to prevent injury and or damage. A catch or filter system shall be attached to the end of the hose to prevent debris from causing injury or damage.
7. Additional inspections may be required by the *fire code official* due to project conditions or project requirements.

918.6 Final authority. The authority having jurisdiction shall always be consulted before the installation, upgrading or remodeling of private fire service mains.

CHAPTER 10 (page 249-294)

Section 1008.3.6 (page 257) add a new section. Insert:

1008.3.6 Circuit identification. All circuits which provide power for emergency lighting shall be identified in each electrical panel.

Section 1010.1.9.8 (page 266) delete in its entirety. Insert:

1010.1.9.8 Electromagnetically locked egress doors. Doors in the *means of egress* that are not otherwise required to have panic hardware in buildings with an occupancy in - Group A, B, E, I-1, I-2, M, R-1 or R-2 and doors to tenant spaces in Group A, B, E, M, I-1, I-2, R-1 or R-2 shall be permitted to be electromagnetically locked if equipped with *listed* hardware that incorporates a built-in switch and meet the requirements below:

1. The *listed* hardware that is affixed to the door leaf has an obvious method of operation that is readily operated under all lighting conditions.
2. The *listed* hardware is capable of being operated with one hand.
3. Operation of the *listed* hardware directly interrupts the power to the electromagnetic lock and unlocks the door immediately.
4. Loss of power to the locking hardware automatically unlocks the door.
5. Where *listed panic* or *fire exit hardware* is required by Section 1010.1.10, operation of the *panic* or *fire exit hardware* also releases the electromagnetic lock.
6. The locking system units shall be *listed* in accordance with UL294.
7. Activation of the building *fire alarm system* or *automatic sprinkler system* shall release the electromagnetic lock and unlocks the door immediately.

Section 1010.1.9.11 (page 267) modify as follows. Insert:

Delete Exception #3 in its entirety. Renumber subsequent exceptions.

SECTION 1011.5.2 Exception 3 (page 268) delete in its entirety. Insert:

1011.5.2 Exception 3:

3. In Group R-3 occupancies, as applicable in Section 101.2, within dwelling units in occupancies in Group R-2, as applicable in Section 101.2, and in occupancies in Group U, which are accessory to an occupancy in Group R-3, as applicable in Section 101.2, the maximum riser height shall be 8.25 inches (210 mm) and the minimum tread depth shall be 9 inches (229 mm), the minimum winder tread depth at the walk line shall be 9 inches (229 mm), and the minimum winder tread depth shall be 6 inches (152 mm). A nosing not less than 0.75 inch (19 mm) but not more than 1.25 inches (32 mm) shall be provided on stairways with solid risers where the tread depth is less than 11 inches (279 mm).

Section 1013.3.1 (page 272) add a new section. Insert:

1013.3.1 Circuit identification. All circuits which provide power for exit signs shall be identified in each electrical panel.

Section 1016.2 (page 276) delete in its entirety. Insert:

1016.2 Egress through intervening spaces. Egress through intervening spaces shall comply with this section.

1. Exit access through an enclosed elevator lobby is permitted. Access to not less than one of the required *exits* shall be provided without travel through the enclosed elevator lobbies required by Section 3006.2, 3007 or 3008 of the *International Building Code*. Where the path of exit access travel passes through an enclosed elevator lobby the level of protection required for the enclosed elevator lobby is not required to be extended to the *exit* unless direct access to an exit is required by other sections of this code.
2. Egress from a room or space shall not pass through adjoining or intervening rooms or areas, except where such adjoining rooms or areas and the area served are accessory to one or the other, are not a Group H occupancy and provide a discernible path of egress travel to an *exit*.

Exception: *Means of egress* are not prohibited through adjoining or intervening rooms or spaces in a Group H, S or F occupancy when the adjoining or intervening rooms or spaces are the same or a lesser hazard occupancy group.

3. An *exit access* shall not pass through a room that can be locked to prevent egress.
4. *Means of egress* from dwelling units or sleeping areas shall not lead through other sleeping areas, toilet rooms or bathrooms.
5. Egress shall not pass through kitchens, storage rooms, closets or spaces used for similar purposes.

Exceptions:

1. *Means of egress* are not prohibited through a kitchen area serving adjoining rooms constituting part of the same dwelling unit or sleeping unit.
2. *Means of egress* are not prohibited through kitchens, storage rooms, closets or spaces used for similar purposes or stockrooms in Group M occupancies when all of the following are met:
 - 2.1. The area is not a high-hazard use;
 - 2.2. Not more than 50 percent of the *exit access* is through the adjoining area;
 - 2.3. The adjoining area is not subject to locking from the egress side; and
 - 2.4. There is a demarcated, minimum 44-inch wide (1118mm) *aisle* defined by full- or partial-height walls or similar construction that will maintain the required width and lead directly to the *exit* without obstructions.

CHAPTER 11 (page 295 – 310) delete all of this Chapter exclusive of the following:

1102.0 Definitions (page 257)

CHAPTER 12 (pages 311 – 316) delete all of this Chapter exclusive of the following:

- 1201 General** (page 311)
- 1202 Definitions** (page 311)
- 1205.4 Stairway illumination** (page 314)
- 1205.4.1 Controls** (page 314)
- 1205.5 Emergency egress lighting** (page 314)
- 1206 Yards or Courts** (page 314)
- 1209 Access to Unoccupied Spaces** (page 315)

CHAPTER 13 (page 317) delete this Chapter in its entirety.

CHAPTER 14 (page 319 – 331)

SECTION 1403.2 (page 319 – 320) delete in its entirety.

SECTION 1403.3 (page 320) delete in its entirety.

SECTION 1403.6 (page 320) delete in its entirety.

SECTION 1403.7 (page 320) delete in its entirety.

CHAPTER 15 (pages 333 – 351) delete all Sections exclusive of the following:

- 1501 General:** (page 333)
- 1502 Definitions:** (page 333)
- 1505 Fire classification** (page 333 – 336)
- 1507 Requirements for Roof Coverings** (page 336 – 348)
- 1508 Roof insulation** (page 348)
- 1510 Rooftop Structures** (page 348 – 350)
- 1512 Photovoltaic panels and modules** (page 351)

CHAPTER 16 (pages 353 – 401) delete in its entirety.

CHAPTER 17 (pages 403 – 416) delete the following Sections:

1704.2.5.1 (page 405)
1704.3.2 (page 405)
1704.3.3 (page 405)
1704.6 (page 406)
1704.6.1 (page 406)
1704.6.2 (page 406)
1705.2 (page 406)
1705.2.1 (page 406)
1705.2.2 (page 406)
1705.2.3 (page 406)
1705.2.4 (page 406)
1705.3 (page 406)
1705.3.1 (page 406)
1705.3.2 (page 406)
1705.4 (page 406)
1705.4.1 (page 406)
1705.4.2 (page 406)
1705.5 (page 406)

CHAPTER 18 (pages 417 – 445) delete in its entirety.

CHAPTER 19 (pages 447 – 452) delete in its entirety.

CHAPTER 20 (page 453) delete in its entirety.

CHAPTER 21 (pages 455 – 467) delete all Sections exclusive of the following:

2103 Masonry Construction Materials (page 456 – 457)
2111 Masonry Fireplaces (pages 460 – 462)
2112 Masonry Heaters (pages 462 – 463)
2113 Masonry Chimneys (pages 463 – 467)

CHAPTER 22 (pages 469 – 472) delete in its entirety.

CHAPTER 23 (pages 473 – 540) delete all Sections exclusive of the following:

2303.2 Fire-retardant treated wood (pages 453 – 454)
2302.2.4 Labeling (pages 454)
2302.2.6 Exposure to weather, damp or wet locations (page 454)
2302.2.7 Interior applications (page 454)
2302.2.9 Type I and II construction applications (page 454)
2304.9.5.3 Fasteners in preservative-treated and fire-retardant-treated wood
(page 461)
2304.10 Heavy timber construction (pages 461 – 465)

CHAPTER 24 (pages 541 – 547) delete all Sections exclusive of the following:

- 2405.4 Framing** (page 543)
- 2406.5 Fire department access panels** (page 546)
- 2407 Glass in Handrails and Guards** (page 546)
- 2409 Glass in Walkways, Elevator Hoistways and Elevator Cars** (page 547)

CHAPTER 25 (pages 549 – 554) delete all Sections exclusive of the following:

- 2501.1 General** (page 549)
- 2502 Definitions** (page 549)
- 2506.2 Standards** (page 549)
- 2507.2 Standards** (page 550)
- Table 2508.1** (page 551)

CHAPTER 29 (PAGES 571 – 574) delete in its entirety.

CHAPTER 30 (pages 575 – 581) delete all Sections exclusive of the following:

- 3001.1 Scope** (page 575)
- 3001.2 Referenced standards** (page 575)
- 3002 Hoistway Enclosures** (page 579)
- 3003 Emergency Operations** (pages 576)
- 3005 Machine Rooms** (page 576 – 577)
- 3006 Elevator Lobbies and Hoistway Opening Protection** (page 577 – 578)
- 3007 Fire Service Access Elevator** (pages 578 – 579)
- 3008 Occupant Evacuation Elevators** (pages 579 – 581)

CHAPTER 31 (pages 583 – 588)

SECTION 3107 (page 586) delete in its entirety.

SECTION 3108 (page 586 – 587) delete in its entirety.

SECTION 3109 (pages 587 – 588)

CHAPTER 33 (pages 591 – 594) delete the following Sections:

- 3302.2** (page 591)
- 3303.1** (page 591)
- 3303.2** (page 591)
- 3303.4** (page 591 – 592)
- 3303.5** (page 591 – 592)
- 3304** (page 591 – 592)
- 3305** (page 591 – 592)
- 3307** (page 591 – 592)

CHAPTER 35 (pages 597 – 620)

NFPA 11-10 (page 471) delete in its entirety. Replace with NFPA 11-16
NFPA 12-11 (page 471) delete in its entirety. Replace with NFPA 12-15
NFPA 12A-09 (page 471) delete in its entirety. Replace with NFPA 12A-15
NFPA 13-13 (page 471) delete in its entirety. Replace with NFPA 13-16
NFPA 13D-13 (page 471) delete in its entirety. Replace with NFPA 13D-16
NFPA 13R-13 (page 471) delete in its entirety. Replace with NFPA 13R-16
NFPA 14-13 (page 471) delete in its entirety. Replace with NFPA 14-16
NFPA 15-12 (page 471) delete in its entirety. Replace with NFPA 15-17
NFPA 20-13 (page 471) delete in its entirety. Replace with NFPA 20-16
NFPA 30-12 (page 471) delete in its entirety. Replace with NFPA 30-15
NFPA 31-11 (page 471) delete in its entirety. Replace with NFPA 31-16
NFPA 32-11 (page 471) delete in its entirety. Replace with NFPA 32-16
NFPA 40-11 (page 471) delete in its entirety. Replace with NFPA 40-16
NFPA 61-13 (page 472) delete in its entirety. Replace with NFPA 61-17
NFPA 70-14 (page 472) delete in its entirety. Replace with NFPA 70-17
NFPA 72-13 (page 472) delete in its entirety. Replace with NFPA 72-16
NFPA 80-13 (page 472) delete in its entirety. Replace with NFPA 80-16
NFPA 85-11 (page 471) delete in its entirety. Replace with NFPA 85-15
NFPA 105-13 (page 472) delete in its entirety. Replace with NFPA 105-16
NFPA 110-13 (page 472) delete in its entirety. Replace with NFPA 110-16
NFPA 111-13 (page 472) delete in its entirety. Replace with NFPA 111-16
NFPA 211-13 (page 472) delete in its entirety. Replace with NFPA 211-16
NFPA 265-11 (page 472) delete in its entirety. Replace with NFPA 265-15
NFPA 276-11 (page 471) delete in its entirety. Replace with NFPA 276-15
NFPA 409-11 (page 472) delete in its entirety. Replace with NFPA 409-16
NFPA 418-11 (page 472) delete in its entirety. Replace with NFPA 418-16
NFPA 654-13 (page 473) delete in its entirety. Replace with NFPA 654-17
NFPA 664-12 (page 473) delete in its entirety. Replace with NFPA 664-17
NFPA 701-10 (page 473) delete in its entirety. Replace with NFPA 701-15
NFPA 704-12 (page 473) delete in its entirety. Replace with NFPA 704-17
NFPA 750-14 (page 473) delete in its entirety. Replace with NFPA 750-15
NFPA 1124-06 (page 473) delete in its entirety. Replace with NFPA 1124-17

SECTION 5. SAVINGS CLAUSE.

That nothing in this Ordinance or in the Building Code hereby adopted shall be construed to affect any suit or proceeding pending in any Court, or any rights acquired or liability incurred, or any cause or causes of action acquired or existing under any act or Ordinance hereby repealed, as cited in Section 1; nor shall any just or legal right or remedy of any character be lost, impaired or affected by this Ordinance.

SECTION 6. VALIDITY.

If any Section, subsection, provision, sentence, clause or phrase of this Ordinance or of the ICC[®], *International Building Code, 2015 Edition*, is, for any reason, held to be unconstitutional or invalid, such decision shall not affect the validity of the remaining portions of this Ordinance or of said Code, and the Mehlville Fire Protection District of St. Louis County, Missouri, hereby declares that it would have passed the same, even though such portions so held to unconstitutional had not been included therein.

SECTION 7. VIOLATION, PENALTIES.

Any person, firm or corporation who shall violate any provision of this Ordinance, or who shall fail to comply with any of the requirements thereof, or who shall fail to comply with any order issued pursuant to any Section thereof, shall be guilty of a Class A misdemeanor pursuant to §321.600(12) and §557.021 R.S.Mo. and punishable as provided by law. Each day that a violation exists or continues to exist shall be deemed a separate offense.

SECTION 8. EFFECTIVE DATE.

This Ordinance Number 129 having been duly considered and voted upon by the Board of Directors of the Mehlville Fire Protection District of St. Louis County, Missouri, was duly enacted as an Ordinance of said Fire Protection District on the 19th day of October, 2016. The effective date of the Ordinance shall be at 12:01 a.m. on the 1st day of February, 2017.

Aaron Hilmer

Aaron Hilmer
Chairman and Director

SEAL

Bonnie C Stegman

Bonnie C Stegman
Secretary and Director

NOT PRESENT

Ed Ryan
Director