

AN ORDINANCE REPEALING ORDINANCE NUMBER 110 AND ENACTING IN LIEU THEREOF A NEW ORDINANCE PRESCRIBING MINIMUM REQUIREMENTS AND CONTROLS TO SAFEGUARD LIFE, PROPERTY OR PUBLIC WELFARE FROM THE HAZARDS OF FIRE AND EXPLOSION: KNOWN AS THE FIRE PREVENTION CODE: PROVIDING FOR THE ISSUANCE OF PERMITS, COLLECTION OF FEES, MAKING OF INSPECTIONS, PROVIDING PENALTIES FOR THE VIOLATIONS 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 INCONSISTENT ORDINANCES REPEALED.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 110 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District of St. Louis County, Missouri, and all other Ordinances or parts of Ordinances in conflict herewith are hereby repealed.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 FIRE PREVENTION CODE.

That a certain document, one (1) copy of which are 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<sup>®</sup>, International Fire Code, 2009 Edition*” as published by the International Code Council, Inc., together with the standards which are referenced in Chapter 45 (pp. 413 – 421), and Appendix D (pp. 429 – 431), be and is hereby adopted as the Fire 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<sup>®</sup>, International Fire Code, 2009 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<sup>®</sup>, International Fire Code, 2009 Edition*” may be viewed at <http://publicecodes.citation.com/icod/IC-P-2009-000019.htm> 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.

SECTION 4. AMENDMENTS TO THE “ICC<sup>®</sup> INTERNATIONAL FIRE CODE, 2009 EDITION”.

**CHAPTER 1** (pages 1 – 13)

SECTION 104.12 (page 4) add a new Section. Insert:

**104.12 Rule-making authority:** The code official shall have authority as necessary in the interest of public health, safety and general welfare, to adopt and promulgate rules and regulations to interpret and implement the provisions of this code to secure the intent thereof and to designate requirements applicable because of local climatic or other conditions. Such rules shall not have the effect of waiving structural or fire performance requirements specifically provided for in this code or of violating accepted engineering practice involving public safety.

Section 105.6.47 (page 9) add a new section. Insert:

**105.6.47 Helicopter hoisting and lowering operations:** Approval is required for helicopter hoisting and lowering operations in accordance with the following.

The helicopter service or the contractor in charge of a helicopter hoisting or lowering operations shall demonstrate financial responsibility of liability for damages arising from the hoisting or lowering operation by providing the code official with proof of insurance or other appropriate financial responsibility. Forty-eight hours notice shall be provided before the hoisting or lowering operation is to begin. Notification shall be made to other jurisdictional agencies as may be required.

Section 105.6.47.1 (page 9) add a new section. Insert:

**105.6.47.1 Safety precautions:** During all helicopter lifting or lowering operations, the following safety precautions shall be followed:

1. The fire and police departments shall approve landing sites, if landings are necessary.
2. All materials or equipment to be lifted shall be brought as close as possible to the building or structure site by road vehicles.
3. The helicopter shall not carry equipment or materials lifted to or lowered from a building or structure over pedestrians, spectators, other buildings or vehicles.
4. When the operation involves setting or removing equipment or materials from or on an occupied building, the top 2 floors of the building shall not be occupied by anyone, other than individuals directly involved with the operation while the hoisting or lifting operation is in progress.
5. All flammable or combustible liquids brought to the site for refueling helicopters shall be stored, used and dispensed in accordance with Chapters 11 and 34 of this code.
6. A fire department safety officer, of fire department safety team, must be present on the sited during all helicopter lifting or lowering operations. The safety officer, or safety team, shall terminate the lift if weather conditions or other variables make the operation unsafe. The safety officer, or safety team, shall be provided radio communications with the helicopter pilot in the event safety conditions mandate evasive action.

SECTION 108.1 through 108.3 (page 11-12) delete in its entirety. Insert:

**108.1 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 109.3 (page 12) delete in its entirety. Insert:

**109.3 Violation, penalties:** Persons 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 the approved construction documents 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 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 109.4 (page 12) add a new section. Insert:

**109.4 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 109.3 of this Ordinance.

Section 109.5 (page 12) add a new section. Insert:

**109.5 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 33 – 40)

Section 304.3.2 (page 34) delete in its entirety. Insert:

**304.3.2 Capacity exceeding 5.33 cubic feet.** Containers with a capacity exceeding 5.33 cubic feet (40 gallons) (0.15 m<sup>3</sup>) shall be provided with lids. Containers and lids shall be constructed of noncombustible materials or of combustible materials with a peak rate of heat release not exceeding 300 kW/m<sup>2</sup> when tested in accordance with ASTM E 1354 at an incident heat flux of 50 kW/m<sup>2</sup> in the horizontal orientation.

**Exception:** Wastebaskets complying with Section 808.

Section 307.1.1 (page 35) delete in its entirety. Insert:

**307.1.1 Prohibited open burning.** *Open burning* shall be prohibited when atmospheric conditions or local circumstances make such fires hazardous.

Section 307.2 (page 35) delete in its entirety. Insert:

**Section 307.2 Approval required.** Approval shall be obtained from the fire code official prior to kindling a fire for recognized silvicultural or range or wildlife management practices, prevention or control of disease or pests, bonfire or disposal of yard waste. Application for such approval shall only be presented by and approval issued to the owner of the land upon which the fire is to be kindled.

**Exception:** Portable outdoor fireplaces used at one- and two-family dwellings.

Section 307.4 (page 35) delete in its entirety. Insert:

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

**Exceptions:**

1. Fires in *approved* containers that are not less than 15 feet (4572 mm) from a structure.
2. The minimum required distance from a structure shall be 25 feet (7620 mm) where the pile size is 4 feet (1,219mm) or less in length or width and 4 feet (1,219mm) or less in height.

Section 307.4.1 (page 35) delete in its entirety.

Section 307.4.2 (page 35) delete in its entirety. Insert:

**307.4.2 Bonfires and Recreational fires.** *Bonfires and recreational fires* shall not be conducted within 25 feet (7620 mm) of a structure or combustible material. Conditions which could cause a fire to spread within 25 feet (7620 mm) of a structure shall be eliminated prior to ignition. The maximum pile size is 3 feet (914mm) or less in length or width and 3 feet (914mm) or less in height.

Section 307.4.3 (page 35) delete in its entirety. Insert:

**307.4.3 Portable outdoor fireplaces.** Portable outdoor fireplaces shall be used in accordance with the manufacturer's instructions and shall not be operated within 15 feet (3048 mm) of a structure or combustible material. Portable outdoor fireplaces shall not be used for burning trash, rubbish or food waste.

## CHAPTER 5 (pages 49 – 52)

Section 503.4.1 (page 50) add a new Section. Insert:

**Section 503.4.1 Traffic calming devices.** The installation of traffic calming devices within fire department access roads shall be approved by the fire code official. Plans for such measures must be submitted and approved prior to installation. Speed bumps or similar measures that hamper emergency response or cause undue jarring of emergency vehicles are prohibited, except as allowed by Ordinance 85. Existing traffic calming measures determined to constitute a hazard are subject to repair or removal in accordance with this section.

Section 505.1.1 (page 50) add a new Section. Insert:

**505.1.1 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*.

Section 506.1 (page 51) delete in its entirety. Insert:

**506.1 Where required.** The *fire code official* is authorized to require a key box to be installed in an *approved* location when any of the following conditions exist.

1. Where access to or within a structure or an area is restricted because of secured openings, or
2. Where immediate access is necessary for life-saving or fire-fighting purposes, or
3. The structure has a *fire alarm system*, or
4. The structure has an *automatic fire sprinkler system*.

The key box shall be of an *approved* type and shall contain keys to gain necessary access as required by the *fire code official*.

Section 506.1.1 (page 51) delete in its entirety. Insert:

**506.1.1 Locks.** An *approved* lock shall be installed on gates or similar barriers.

Section 507.5.1.1 (page 51) add a new section. Insert:

**507.5.1.1 Hydrant for fire department connections.** A fire hydrant shall be located

within 100 feet of the fire department connection.

**Exception:** The distance shall be permitted to be greater than 100 feet when approved.

Section 507.5.5 (page 51) delete in its entirety. Insert:

**507.5.5 Clear space around hydrants.** There shall be no obstructions, planting, bushes, trees, signs, light standards, etc., within six (6) feet of any fire hydrant in all directions.

Section 507.5.5.1 (page 51) add a new section. Insert:

**507.5.5.1 No parking area:** 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 507.5.7 (page 51) add a new section. Insert:

**507.5.7 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:

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

Section 507.5.8 (page 51) add a new section as follows. Insert:

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

## **CHAPTER 6** (pages 53 – 64)

Section 607.1.1 (page 61) add a new section as follows. Insert:

**607.1.1 Elevator emergency operations testing:** All elevators that are equipped with emergency elevator operations in accordance with ASME A17.1 listed in Chapter 45, shall be tested at least once each year in all phases of emergency functions. An approved elevator service company shall conduct tests.

## **CHAPTER 9** (pages 75 – 114)

Section 901.6.2 (page 75) delete in its entirety. Insert:

**901.6.2 Records.** Records of all system inspections, tests and maintenance required by the referenced standards shall be maintained on the premises for a minimum of 3 years or for the required testing frequency if greater than 3 years and shall be made available to the code official, not less than quarterly. Accurate logs shall be maintained indicating the number, location and type of device tested. Any defect, modification or repair shall be logged.

Section 903.2.4 (page 80) delete in its entirety. Insert:

**903.2.4 Group F-1.** An automatic sprinkler system shall be provided throughout all buildings containing a Group F-1 occupancy where one of the following conditions exists:

1. Where a Group F-1 fire area exceeds 12,000 square feet (1115 m<sup>2</sup>);
2. Where a Group F-1 fire area is located more than three stories above grade plane; or
3. Where the combined area of all Group F-1 fire areas on all floors, including any mezzanines, exceeds 24,000 square feet (2230 m<sup>2</sup>). ; or
4. Where a Group F-1 occupancy is used for the manufacture of upholstered furniture or mattresses exceeds 2,500 square feet (232 m<sup>2</sup>).

Section 903.2.7 (page 80) delete in its entirety. Insert:

**903.2.7 Group M.** An automatic sprinkler system shall be provided throughout all buildings containing a Group M occupancy where one of the following conditions exists:

1. Where a Group M fire area exceeds 12,000 square feet (1115 m<sup>2</sup>).
2. Where a Group M fire area is located more than three stories above grade plane.
3. Where the combined area of all Group M fire areas on all floors, including any mezzanines, exceeds 24,000 square feet (2230 m<sup>2</sup>).
4. Where a Group M occupancy that is used for the display and sale of upholstered furniture or mattresses exceeds 5,000 square feet (464 m<sup>2</sup>).

Section 903.2.9 (page 80) delete in its entirety. Insert:

**903.2.9 Group S-1.** An automatic sprinkler system shall be provided throughout all buildings containing a Group S-1 occupancy where one of the following conditions exists:

1. Where a Group S-1 fire area exceeds 12,000 square feet (1115 m<sup>2</sup>).
2. Where a Group S-1 fire area is located more than three stories above grade plane.
3. Where the combined area of all Group S-1 fire areas on all floors, including any mezzanines, exceeds 24,000 square feet (2230 m<sup>2</sup>).
4. A Group S-1 fire area used for the storage of commercial trucks or buses where the fire area exceeds 5,000 square feet (464 m<sup>2</sup>).
5. Where a Group S-1 occupancy is used for the manufacture of upholstered furniture or mattresses exceeds 2,500 square feet (232 m<sup>2</sup>).

Section 903.4.1 (page 84) 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 903.7 (page 84) 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 904.11.7 (page 87) add a new section. Insert:

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

Section 904.11.8 (page 87) add a new section. Insert:

**904.11.8 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 92) 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.

Section 907.6.2.1.1 (page 99) delete in its entirety. Insert:

**907.6.2.1.1 Average sound pressure.** The audible alarm notification appliances shall provide a sound pressure level of 15 decibels (dBA) above the average ambient sound level or 5 dBA above the maximum sound level having a duration of at least 60 seconds, whichever is greater, in every occupiable space within the building.

Section 907.7.5 (page 100) delete in its entirety. Insert:

**907.7.5 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 the NFPA 72 Chapter 8, 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 Chapter 8 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 912.3.4 (page 111) add a new Section. Insert:

**912.3.4 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.

## CHAPTER 10 (pages 115 – 154)

Section 1008.1.9.8 (page 127) delete in its entirety. Insert:

**1008.1.9.8 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 releases to the electromagnetic lock and unlocks the door immediately.
4. Loss of power to the *listed* hardware automatically unlocks the door.

Section 1008.1.9.10 (page 127) modify as follows. Insert:

**Delete** Exception #3 in its entirety.

SECTION 1009.4.2 Exception 5 (page 129) delete in its entirety. Insert:

**1009.4.2 Exception 5:**

5. In occupancies in Group R-3, 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 and the minimum tread depth shall be 9 inches, the minimum winder tread depth at the walk line shall be 9 inches, and the minimum winder tread depth shall be 6 inches (152 mm). A nosing not less than 0.75 inch (19.1 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 1014.2 (page 135) delete in its entirety. Insert:

**1014.2 Egress through intervening spaces.** Egress through intervening spaces shall comply with this section.

1. 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.

2. An *exit access* shall not pass through a room that can be locked to prevent egress.
3. *Means of egress* from dwelling units or sleeping areas shall not lead through other sleeping areas, toilet rooms or bathrooms.
4. 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 22 (pages 209 – 226)

Section 2204.3.8 (page 210) add a new section. Insert:

**2204.3.8 Fire suppression system:** The dispensing area (pump islands, canopy and adjacent ground area) shall be provided with an *approved automatic fire-extinguishing system*.

## CHAPTER 34 (pages 319 – 358)

Section 3401.2 (page 319) delete the following definition. Insert:

**ALCOHOL-BASED HAND RUB.** An alcohol-containing preparation designed for application to the hands for reducing the number of viable microorganisms on the hands and containing ethanol or isopropanol in an amount not exceeding 95 percent by volume.

Section 3405.5 (page 349) delete in its entirety. Insert:

**3405.5 Alcohol-based hand rubs classified as Class I or II liquids.** The use of wall-mounted dispensers containing alcohol-based hand rubs classified as Class I or II liquids shall be in accordance with all of the following:

1. The maximum capacity of each dispenser shall be 68 ounces (2 L).
2. The minimum separation between dispensers shall be 48 inches (1219 mm).
3. The dispensers shall not be installed directly adjacent to, directly above or below an electrical receptacle, switch, appliance, device or other ignition source. The wall space between the dispenser and the floor shall remain clear and unobstructed.
4. Dispensers shall be mounted so that the bottom of the dispenser is a minimum of 42 inches (1067 mm) and a maximum of 48 inches (1219 mm) above the finished floor.
5. Dispensers shall not release their contents except when the dispenser is manually activated. Facilities shall be permitted to install and use automatically activated “Touch Free” alcohol-based hand rub dispensing devices with the following requirements:
  - 5.1. The touch free dispensing system shall be listed as being in compliance with UL/CE 60601-1 and IEC 60601-1-2 for medical devices.
  - 5.2. The facility or persons responsible for the dispensers shall test the dispensers each time a new refill is installed in accordance with the manufacturer’s care and use instructions.
  - 5.3. Dispensers shall be designed and must operated in a manner that ensures accidental or malicious activations of the dispensing device are minimized. At a minimum, all devices subject to or used in accordance with this section shall have the following safety features:
    - 5.3.1. Any activations of the dispenser shall only occur when an object is placed within four inches (102 mm) of the sensing device.
    - 5.3.2. The dispenser shall not dispense more than the amount required for hand hygiene consistent with label instructions as regulated by the Food and Drug Administration.
    - 5.3.3. An object placed within the activation zone and left in place will cause only one activation.
6. Storage and use of alcohol-based hand rubs shall be in accordance with the applicable provisions of Section 3404 and 3405.

7. Dispensers installed in occupancies with carpeted floors shall only be allowed in smoke compartments or *fire areas* equipped throughout with an *approved* automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2.

**CHAPTER 47** (pages 413 – 421)

Add new standards as follows:

**IEC**

International Electrotechnical Commission  
IEC Central Office  
3. ru de Varembe, PO Box 131  
CH-1211 Geneva 20, Switzerland

60601-1-2:2004 EMC Standards for Electrical Medical Equipment

**UL**

UL/CE 60601-1-03 Medical Equipment, Part I: General Requirements for Safety

Section D103.5 (pages 429 – 430) delete in its entirety. Insert:

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

1. The minimum gate width shall be 20 feet (6096 mm).
2. Gates shall be of the swinging or sliding type.
3. Construction of gates shall be of materials that allow manual operation by one *person*.
4. Gate components shall be maintained in an operative condition at all times and replaced or repaired when defective.
5. Electric gates shall be equipped with a means of opening the gate by fire department personnel for emergency access. Emergency opening devices shall be *approved* by the *fire code official*.
6. Manual opening gates shall not be locked with a padlock or chain and padlock unless they are capable of being opened by means of a Fire Department Master Key - Knox Box system, or a key box in accordance with Section 506 that contains the key(s) to the lock, is installed at the gate location.
7. Locking device specifications shall be submitted for approval by the *fire code official*.
8. Electric gate operators, where provided, shall be *listed* in accordance with UL 325.
9. Gates intended for automatic operation shall be designed, constructed and installed to comply with the requirements of ASTM F 2200.

Section D105.1 (page 430) delete in its entirety. Insert:

**D105.1 Where required.** Where the vertical distance between the grade plane and the highest roof surface exceeds 30 feet (9144 mm), *approved* aerial apparatus access shall be provided. For purposes of this section, the highest roof surface shall be determined by measurement to the eave of a pitched roof, the intersection of the roof to the exterior wall, or the top of parapet walls, whichever is greater.

Section D105.2 (page 430) delete in its entirety. Insert:

**D105.2 Width.** Aerial fire apparatus access roads shall have a minimum unobstructed width of 26 feet (7925 mm), exclusive of shoulders, in the immediate vicinity of the building or portion thereof.

Section D105.3 (page 430) delete in its entirety. Insert:

**D105.3 Proximity to building.** The side of the building on which the aerial apparatus access road is positioned shall be approved by the fire code official.

Section D105.4 (page 430) delete in its entirety. Insert:

**D105.4 Obstructions.** Overhead utility and power lines shall not be located over the aerial fire apparatus access road or between the road and the building. Other obstructions shall be permitted to be placed with the approval of the fire code official.

Section D107.1 (page 431) delete in its entirety. Insert:

**D107.1 One-and two-family dwelling residential developments.** Developments of one- or two-family dwellings where the number of dwelling units exceeds 100 shall be provided with separate and approved fire apparatus access roads, and shall meet the requirements of Section D104.3.

**Exceptions:**

1. Where there are more than 100 dwelling units on a single public or private fire apparatus access road and all dwelling units are equipped throughout with approved automatic residential sprinkler systems in accordance with Section 903.3.1.1 or 903.3.1.3 of the International Fire Code, access from two directions shall not be required.
2. The number of dwelling units on a single fire apparatus access road shall not be increased unless fire apparatus access roads will connect with future development, as determined by the code official.
3. The code official shall be permitted to increase the number of dwelling units allowed with a single fire apparatus access road when topography or other approved reasons do not permit an additional access road to be provided.

#### SECTION 5. SAVINGS CLAUSE.

That nothing in this Ordinance or in the Fire 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<sup>®</sup> International Fire Code, 2009 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 RSMo 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 121 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 17<sup>th</sup> day of September, 2010. The effective date of the Ordinance shall be at 12:01 a.m. on the 1<sup>st</sup> day of November, 2010.

Aaron Hilmer

Aaron Hilmer  
Chairman and Director

SEAL

Bonnie C Stegman

Bonnie C Stegman  
Secretary and Director

Ed Ryan

Ed Ryan  
Director