

## ARTICLE 7 - Fire Code

## Sec. 18-7-10. - Adoption.

Pursuant to Title 31, Article 16, Part 2, C.R.S., there is adopted as the fire code of the City, by reference thereto, the International Fire Code (IFC) 2015 Edition, published by the International Code Council, 4051 West Flossmoor Road, County Club Hills, IL 60478-579, to have the same force and effect as if set forth herein in every particular. The subject matter of the adopted code concerns fire prevention standards and requirements, and fire related standards for testing and materials.

(Prior code 5-16; Ord. 07-07 §1, 2007; Ord. 12-08 §1, 2008; Ord. 14-10 §9, 2010; Ord. 2018-22 §9, 2018)

Editor's note— Section 21 of Ord. 2018-22, adopted Dec. 6, 2018, provides an effective date of Mar. 1, 2019.

## Sec. 18-7-20. - Copy on file.

At least one (1) copy of the International Fire Code, certified to be a true copy, has been and is now on file in the office of the City Clerk and may be inspected by any interested person between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday, holidays excepted. The code as finally adopted shall be available for sale to the public through the office of the City Clerk at a moderate price.

(Ord. 12-08 §1, 2008)

## Sec. 18-7-30. - Amendments.

The following chapters, sections, subsections, paragraphs and appendices of the IFC are hereby amended as follows:

(1) Section 102.11 of the IFC is amended by the addition of the following section:

102.11.1 "Rules and regulations promulgated by the State of Colorado under the authority established by 2433.51204.5, C.R.S. including, but not limited to the 2015 Colorado Fire Suppression Rules, shall be enforced under the provisions of sections 102.8 through 102.11."

(2) Section 103.4 is amended by the addition of the following sentence: "Nothing herein shall be construed as a waiver of immunities provided by §24-10-101, et seq., C.R.S. or by other statutes, or by the common law."

(3) Section 103.4.1 of the IFC is amended to read as follows:

" **103.4.1 Legal Defense.** Any suit instituted against any officer or employee of any fire protection district or any officer or employee of the City of Edgewater because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representative of the fire protection district or City by which he or she is employed, respectively, until the final termination of the proceedings. The fire code official, city officer or employee, or any subordinate thereof, shall not be liable for costs in an action, suit or proceeding that is instituted in pursuance of the provisions of this code; and any such official, officer, employee or subordinate, acting in good faith and without malice, shall be free from liability for acts performed under any of its provisions or by reason of any acts or omission in the performance of official duties in connection therewith."

(4) Section 104.6 of the IFC is changed to the following "The fire code official shall keep official records as required by Sections 104.6.1 through 104.6.4. Such official records shall be retained for not less than six years."

(5) Section 104.11 of the IFC is amended by the addition of the following sentence: "The authority of the Fire Chief of the District or designated members of the Life Safety Division and district to act as police officers shall only extend as far as the authority set forth in §32-1-1002, CRS, or other applicable state statutes."

(6) Section 108 of the IFC is amended to read as follows:

**" SECTION 108  
BOARD OF APPEALS**

" **108.1 General.** See section 18-1-30 of the Edgewater Municipal Code."

(7) Sections 109.4 and 111.4 of the IFC, Violation penalties and Failure to comply, is replaced and amended as follows;

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

code official, or of a permit or certificate used under provisions of this code, shall be guilty of a Fire Code Violation. City ordinance and County resolutions shall stipulate what the offense(s) will be. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

**111.4 Failure to comply.** Any person who shall continue any work 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 condition, shall be subject to fine and/or imprisonment up to the maximum specified in §32-1-1001 and §32-1-1002, CRS. City ordinance and County resolutions shall stipulate what the offense(s) will be.

(8) Section 111.4 of the IFC is amended to read as follows:

"111.4 Failure to comply. Upon notice from the fire code official, work that is being done contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's agent, or to the person doing the work, or visibly posted at the work site. The notice shall state the conditions under which the work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work that person is directed to perform to remove a violation or unsafe condition, shall be subject to a fine of up to nine hundred ninety-nine dollars (\$999.00)."

(9) Section 114 of the IFC added as follows:

" 114 Inspection Fees:

- (a) Pursuant to §32-1-1002 (1)(e)(II) CRS, the Board may fix and from time to time may increase or decrease fees and charges, at its discretion, for inspections and review of plans and specifications, which are:
- (1) Requested or mandated for existing structures, buildings and improvements; and
  - (2) Necessitated in conjunction with any county regulation, resolution or condition of development; or
  - (3) Performed in conjunction with the construction of new structures, buildings, and improvements.

(b) Said fees and charges may, at the discretion of the Board, include a charge for reimbursement to the district of any consultation fees, expenses or costs incurred by the district in the performance of the inspections or review of the plans and specifications."

(10) Section 115 of the IFC is added as a new section to read as follows: "Section 115, This Chapter shall be interpreted to be consistent with the provision of §32-1-1002(3), CRS"

(11) Section 308.1.4 of the IFC is amended to read as follows:

" 308.1.4 **Open-flame cooking devices.** Charcoal burners and other open-flame cooking devices shall not be operated on or within ten (10) feet (3,048 mm) of combustible construction.

"**Exceptions:**

- "1. One- and two-family dwellings.
- "2. Where buildings and decks are protected by an automatic sprinkler system.
- "3. LP-gas cooking devices having an LP-gas container with a water capacity not greater than twenty (20) pounds."

(12) The following sentence is added to the end of Section 503.2 of the IFC:

"See Appendix D for further requirements."

(13) Section 503.2.1 of the IFC is amended to read as follows:

" 503.2.1 **Dimensions.** Fire apparatus access roadways other than residential streets and alleys shall have an unobstructed width of not less than twenty-four (24) feet (7,315.2 mm) and an unobstructed vertical clearance of not less than thirteen (13) feet six (6) inches (4,115 mm). Fire apparatus access in developments that have streets designated as privately-maintained shall not be less than twenty-six (26) feet (7,924.8 mm) wide and shall have an unobstructed vertical clearance of not less than thirteen (13) feet six (6) inches (4,115 mm).

"Exception: The fire code official may approve a reduction in the width of privately-maintained streets when an access and parking design that provides for adequate unobstructed access is provided. The minimum approved access width shall not be less than twenty-four (24) feet (7,315.2 mm)."

(14) The following sentence is added to the end of Section 503.2.3 of the IFC:

Add "Grass concrete and similar surfaces are NOT allowed".

(15) Section 503.2.4 of the IFC is amended to read as follows:

"Turning radius. The required turning radius of a fire apparatus access road shall be an inside radius of 25 feet and an outside radius of 50 feet or as determined by the fire code official. Computer modeling may be required to establish that fire apparatus with West Metro Fire Protection District specifications can adequately maneuver proposed access pathways"

(16) Section 503.2.8 of the IFC is amended to read as follows:

"Angles of approach and departure. The angles of approach and departure for fire apparatus access roads shall be no greater than 10% or within the limits established by the fire code official based on the fire district's apparatus."

(17) Section 507.5.1 of the IFC is amended to read as follows:

" 507.5.1 Where required. Fire hydrant spacing for complexes and subdivisions shall not exceed three hundred (300) feet. In addition, fire hydrant(s) shall be installed where any portion of a facility or building is constructed or moved into or within the City more than three hundred (300) 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.

"Exceptions:"

- "2. For buildings equipped with an approved automatic sprinkler system installed in accordance with section 903.3.1.1 or section 903.3.1.2, a fire hydrant shall be located a minimum of 50 feet and a maximum of 100 feet from the Fire Department Connection(s) in an approved location.

"507.5.1.1 Hydrants for standpipe and/or automatic sprinkler systems. Buildings equipped with a standpipe system installed in accordance with Section 905, and/or an automatic sprinkler system installed in accordance with 903.3.1.1 or 903.3.1.2 shall have a fire hydrant with a minimum of 50 feet and a maximum of 100 feet from the fire department connection(s) in an approved location."

Section 510.4.1.1 of the IFC is amended to read as follows: "Minimum signal strength into the building. A minimum signal strength of -85 dBm shall be receivable within the building."

(18) Section 510.4.1.2 of the IFC is amended to read as follows:

"Minimum strength out of the building. A minimum signal strength of -90 dBm shall be received by the agency's radio system when transmitted from within the building.

(19) Section 510.4.1.3 of the IFC is amended to read as follows:

"If the field strength OUTSIDE the building where the receiving antenna system for the in-building system is located is less than the (-85 dBm), then the minimum required in-building field strength shall equal the field strength being delivered to the receive antenna of the building."

(20) Section 510.5.5 of the IFC is added to read as follows:

"All essential components shall be installed in a room accessible for repair and testing within the structure that is rated at 2-hours."

(21) The following sentence is added to the end of Section 901.6 of the IFC, Add to the end of the paragraph: "The Fire Marshal shall approve the removal of any nonrequired fire protection systems or equipment."

(22) Section 903.4.2 of the IFC is amended to read as follows:

Alarms. An approved audible/visual appliance, located on the exterior of the building in an approved location, shall be connected to each automatic sprinkler system. Such sprinkler water-flow alarm appliances shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Where a fire alarm system is installed, actuations of the automatic sprinkler system shall actuate the building fire alarm system."

(23)

Section 907.6.6 of the IFC is amended by the addition of the following section:

"907.6.6.3 Fire alarm panels and security alarm panels shall be separate and not combined."

(24) Section B105.1 of Appendix B of the IFC is amended to read as follows:

" **Appendix B Table B105.1(1)**. The minimum fire-flow shall not be less than 1000 gallons per minute for all fire-flow calculation areas."

(25) Section B105.2 of Appendix B of the IFC is amended to read as follows:

" **Appendix B Table B105.2**. Changes the reduction percentage allowed to "up to 50%"

(26) Section 5307.1 of the IFC is amended by the addition of the following sentence at the end of the paragraph:

"The provisions of this section shall apply to new or existing systems."

(27) Section 6109.13 of the IFC is amended by the deletion of the exception.

(28) Section C102.1.1 of the IFC is amended by the addition of the following sentence at the end of the Paragraph:

"For buildings equipped with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2, a fire hydrant shall be located a minimum of 50 feet and a maximum of 100 feet from the Fire Department Connection in an approved location."

(29) Section D102.1 of Appendix D of the IFC is amended to read as follows:

" **D102.1 Access and loading**. Facilities, buildings and portions thereof hereafter constructed shall be accessible to fire department apparatus by way of an approved driving surface capable of supporting the imposed load of fire apparatus weighing at least eighty-five thousand (85,000) pounds (38,636 kg)."

(Ord. 12-08 §1, 2008; Ord. 14-10 §10, 2010; Ord. 06-14 §3, 2014; Ord. 2018-22 §10, 12-6-2018)

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