

**2018 International Fire Code Amendments
Elk Creek Fire Protection District
Resolution 2019-1-2 REVISED 4/10/19**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF
THE ELK CREEK FIRE PROTECTION DISTRICT
TO ADOPT THE 2018 INTERNATIONAL FIRE CODE**

WHEREAS, the Elk Creek Fire Protection District ("District") provides fire protection services to a part of the unincorporated limits of the County of Jefferson; and

WHEREAS, from time to time the Board of Directors ("Board") has adopted a fire code to provide for uniformity of the requirements within the total District, to assist in the preservation of property and lives, to clarify relations between this and neighboring Districts, and to promote the prevention of fire and damage within the District; and

WHEREAS, the Colorado State Legislature, through the adoption of the House Bill 1320, has provided in section 1002[d] of Title 32, Article 1 of the Colorado Revised Statutes, for the adoption and enforcement of fire codes by the Colorado Fire Protection Districts; and

WHEREAS, House Bill 1320 also requires that the Board of County Commissioners approve all fire codes adopted by the fire districts which are also within unincorporated portions of a county; and

WHEREAS, Jefferson County has adopted the International Fire Code [2018 Edition] including Appendix Chapter E, Appendix Chapter F, and Appendix Chapter G as promulgated by the International Code Council; and

WHEREAS, the Board desires to adopt to the same code as adopted by the Jefferson County to provide uniformity; and

WHEREAS, the Board also desires to adopt Appendix Chapter B, Appendix Chapter C, Appendix Chapter D, Appendix Chapter E, Appendix Chapter F, Appendix Chapter G and Appendix Chapter H and Appendix I as promulgated by the International Code Council; and

WHEREAS, the Board also desires to adopt the Addendum as attached to the International Fire Code [2018 Edition].

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE ELK CREEK FIRE PROTECTION DISTRICT THAT:

- I. Adoption of Code: The International Fire Code [2018 Edition] including Appendix Chapter B, Appendix Chapter C, Appendix Chapter D, Appendix Chapter E, Appendix Chapter F, Appendix Chapter G, Appendix Chapter H and Appendix I as promulgated by the International Code Council and the Amendments as attached hereto, is hereby adopted.
- II. From and after this date, said Code shall be administered and enforced by the Fire Chief of the Elk Creek Fire Protection District or his authorized representative, as required and provided for in Section 1002 of Title 32, Article 1 of the Colorado Revised Statutes.
- III. The Fire Marshal of Elk Creek Fire Protection District for the purpose of enforcing said Code shall be considered an authorized representative of the Fire Chief. This section shall not limit the designation of additional authorized representatives if the Chief, with approval by the Board, deems it necessary for the effective enforcement of the Code.
- IV. The Code will become effective for unincorporated areas of Jefferson County within the District upon the approval by the Board of County Commissioners. Until approval, the existing version of the 2009 International Fire Code shall remain in effect.
- V. Nothing contained herein shall be construed as modifying or limiting the powers, duties, and responsibilities of the Fire Chief of the Elk Creek Fire Protection District or his authorized representative to carry out and fulfill those powers and obligations set forth and enumerated in Section 1002 of Title 32, Article I of the Colorado Revised Statutes as amended.
- VI. The International Fire Code is amended and changed in the following respects:

- ❖ 1. Chapter 1, §102.11.1 add to read: “Rules and regulations promulgated by the State of Colorado under the authority established by 24-33.5-1204.5, C.R.S. including, but not limited to the current Colorado Fire Suppression Rules, shall be enforced under the provisions of sections 102.8 through 102.11.”
- ❖ 2. Chapter 1, §103.4 shall be 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. Chapter 1, §104.6 shall be 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.”
- ❖ 4. Chapter 1, §104.11 shall be amended by the addition of the following sentence: “The authority of the Fire Chief of the District or designated members of the Fire Prevention Bureau 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.”
- ❖ 5. Chapter 1, §105.6 add operational permit to read:

105.6.51 Assisted living facility. An operational permit is required for the operation of an assisted living facility.

- ❖ 6. Chapter 1, §105.6 add operational permit to read:

105.6.52 Door side trash collection services. An operational permit is required for the operation of door side trash collection services.

- ❖ 7. Chapter 1, §105.6.32 Delete exception (recreational fires)
- ❖ 8. Chapter 1, §106.2 shall be replaced and amended as follows:

106.2 Schedule of permit fees. A fee for each permit fee shall be paid as required, in accordance with the schedule as established by the applicable governing authority.

(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, operational permits, 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.”

❖ 9. Chapter 1, §108.3 shall be changed to the following:

108.3 Recordkeeping. All records of periodic inspections, tests, servicing and other operations and maintenance shall be submitted to the Elk Creek Fire Protection District through the online website www.thecomplianceengine.com within 30 days of the inspection.

❖ 10. Chapter 1, §109 shall be amended by the addition of the following sections:

109.4 An appeal shall be heard by a subcommittee of three members of the Board, designated annually by the Board as members of the Appeal Committee. The decision of the Appeal Committee shall be deemed as final agency action for purposes of any grievant seeking judicial review of an adverse decision.

109.5 The Board, upon recommendation of the Appeals Committee or the chief or upon its own motion, may enter into written agreements for enforcement or compliance with the owner, lessee, occupant or authorized agent thereof, of any property, building or structure, or any interested person directly affected by the application of this code. Said agreements may extend the time for compliance with this code, and may contain such terms and conditions that the Board deems appropriate to adequately protect the life, health, property, security and welfare of the general public.”

❖ 11. Chapter 1, §110.4 Violation penalties shall be replaced and amended as follows:

110.4 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. 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.

- ❖ 12. Chapter 1, §112.4 shall be replaced and amended as follows:

112.4 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 a fee, fine and/or imprisonment up to the maximum specified in §32-1-1001 and §32-1-1002, CRS. County resolutions shall stipulate what the offense(s) will be.

- ❖ 13. Chapter 2, Add the following definitions:

BOARD OF DIRECTORS. Those persons elected by statute under Colorado Revised Statutes, Title 32, that govern the Elk Creek Fire Protection District.

COUNTY. The counties of Jefferson & Park, Colorado.

DISTRICT. The legally defined boundaries of the Elk Creek Fire Protection District within Jefferson and Park Counties, Colorado.

EXCEPTION FROM PLATTING. As defined by each County.

PLANNED BUILDING GROUP. A number of buildings or structures constructed on a parcel of land, which is under ownership, control, or development of one individual, corporation, partnership, or firm, excluding agricultural buildings. Special features are included but are not limited to: Construction of buildings or structures having similar occupancies and/or design appearance; limited means of vehicular access to property; limited access to public water supplies for fire suppression use; and possibly written property restrictions relative to maintenance, use, and operation of the buildings or structures constructed thereon.

SUBDIVISION. A portion of land divided into lots for real estate development.

- ❖ 14. Chapter 4, §401.5 shall be changed to the following:

401.5 Making false report. “It shall be a violation of this Article and Code and Colorado Revised Statute, 32-1-1002(4)(a) I (Fire Protection Districts) for any persons to:

- A. Willfully or maliciously give, make, or cause to be given or make a false alarm of fire whether by use of manual pull-station, telephone call, or otherwise.
- B. Willfully or maliciously disconnect, cut, sever, or in any manner tamper with any part of the communication apparatus.
- C. Aid, abet, knowingly permit, or participate in the commission of any act prohibited by this section.

- ❖ 15. Chapter 5, §503.2 shall be amended by the addition of the following sentence:
“See Appendix D for further requirements.”

- ❖ 16. Chapter 5, §503.2.1 shall be changed to the following:

503.2.1 Dimensions. “Fire apparatus access streets and drive aisles shall have an unobstructed width of not less than 24 feet, including an 18 foot paved travel surface and 3 foot shoulders on both sides in accordance with the Jefferson County Roadway Design Manual, except at approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than 13 feet 6 inches. Additionally, the travel surface shall be capable of supporting an imposed load of 75,000 pounds.

- ❖ 17. Chapter 5, §503.2.2 shall be changed to the following:

503.2.2 Authority. The *fire code official* shall have the authority to require or permit modifications to the required access widths where they are inadequate for fire or rescue operations or where necessary to meet the public safety objectives of the jurisdiction. The *fire code official* may approve alternate standards for driveways and private roads in accordance with the *Jefferson County Transportation Manual*, paragraph 3.7.8.3. In rural and suburban areas where adequate and reliable water supply systems do not exist the *fire code official* is authorized to use Appendix D and/or require one or more of the following alternatives: an approved automatic fire sprinkler system, an approved water tank/cistern, an approved standpipe system. A written request and plan shall be submitted to the fire district for approval. All additional requirements shall be approved by the *fire chief*.

- ❖ 18. Chapter 5, §503.2.3 shall be amended by the addition of the following sentence:
“Surfaces other than pavement must be *approved*. Grass concrete and similar surfaces are not allowed”.

- ❖ 19. Chapter 5, §503.2.4 shall be changed to the following:

503.2.4 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 chief. Computer modeling may be required to establish that fire apparatus with Elk Creek Fire Protection District specifications can adequately maneuver proposed access pathways

- ❖ 20. Chapter 5, §503.2.5 shall be changed to the following:

503.2.5 Dead ends. Dead-end fire apparatus roads in excess of 150 feet in length shall be provided with an approved vehicle turnaround in accordance with the Jefferson County Roadway Design and Construction Manual. The maximum grade shall be 4%. The location of vehicle turnarounds shall be a minimum 30 feet away from the building exterior, or as approved by the *fire code official*.

- ❖ 21. Chapter 5, §503.2.7 shall be changed to the following:

503.2.7 Grade. The grade of the fire apparatus access road shall be in accordance with County Standards.

- ❖ 22. Chapter 5, §503.2.8 shall be changed to the following:

503.2.8 Angles of approach and departure. The angles of approach and departure for fire apparatus access roads shall be no greater than 10% as established by the *fire code official* based on the fire district's apparatus.”

- ❖ 23. Chapter 5, §503.6 shall be changed to the following:

503.6 Security gates. The installation of security gates across a fire apparatus access road shall be *approved* in advance by the *fire code official*. All gates shall be a minimum of 2 feet larger than the travel way, shall be located a minimum of 30 feet from the public right of way and shall not open outward. Where security gates are installed, they shall have an *approved* means of emergency operation. All new electric gates shall be equipped with a Knox Key Switch and all manual gates shall be equipped with a Knox Padlock. Effective January 1, 2020, all existing electric gates shall be equipped with a Knox Key Switch and all manual gates shall be equipped with a Knox Padlock or provided with a chain or padlock that can be easily cut by emergency responders. The security gates and the emergency operation shall be maintained operational at all times. Electric gate operators, where provided, shall be *listed* in accordance with UL 325. Gates intended for automatic operation shall be designed, constructed and installed to comply with the requirements of ASTM F2200.

- ❖ 24. Chapter 5, §503.7 add to read:

503.7 Driveways and private roads. Driveways and private roads shall be in accordance with County Standards.

- ❖ 25. Chapter 5, §507.2.3 add to read:

507.2.3 Cisterns. Cisterns shall meet the Fire Protection District Fire Cistern Standards. Ownership of the cistern(s) shall be maintained by the property owners and an easement granting access to the said cistern shall be provide to the district. Fire cisterns shall be filled and maintained by the property owner or designee. The district will replace any water taken out of the cistern for training or firefighting use free of charge. The minimum size requirements for cisterns shall be in accordance with the Appendix B and the *International Wildland-Urban Interface Code*, as amended.

- ❖ 26. Chapter 5, §507.3 shall be changed to the following:

507.3 Fire Flow. Fire-flow requirements for buildings and portions of buildings and facilities shall be determined by Appendix B, as amended.

- ❖ 27. Chapter 5, §507.5.1 shall be changed to the following:

Delete the first exception.

Change exception 2 to read: “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(s) in an approved location.”

- ❖ 28. Chapter 5, §507.5.1.1 shall be changed to the following:

507.5.1.1 Hydrant for standpipe systems. 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 sections 903.3.1.1 or 903.3.1.2 shall have a fire hydrant a minimum of 50 feet and a maximum of 100 feet from the fire department connection(s) in an approved location.”

- ❖ 29. Chapter 5, §510.4.1.1 shall be changed to the following:

510.4.1.1 Minimum signal strength into the building. A minimum signal strength of -85dBm shall be receivable within the building.

- ❖ 30. Chapter 5, §510.4.1.2 shall be changed to the following:

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

- ❖ 31. Chapter 5, §510.4.1.3 add to read:

510.4.1.3 Minimum strength outside the building. 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.

- ❖ 32. Chapter 5, §510.5.5 add to read:

510.5.5 Location. All essential components shall be installed in a room accessible for repair and testing within the structure that is rated at 2-hours in non-sprinklered buildings and 1-hour in sprinklered buildings."

- ❖ 33. Chapter 9, §901.6 shall be amended by the addition of the following sentence:
"The removal of any non-required fire protection systems or equipment must be *approved* in advance by the *fire code official*."

- ❖ 34. Chapter 9, §903.4.2 shall be changed to the following:

903.4.2 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, actuation of the automatic sprinkler system shall actuate the building fire alarm system.

- ❖ 35. Chapter 9, §904.3.5 shall be changed to the following:

904.3.5 Monitoring. Where a building fire alarm system is installed, automatic fire-extinguishing systems shall be monitored by the building fire alarm system in accordance with NFPA 72. Where a building fire alarm system is not installed, automatic fire-extinguishing systems shall activate a local audible/visual appliance as approved by the *fire code official*.

- ❖ 36. Chapter 9, §907.2 first paragraph shall be changed to the following:

907.2 Where required-new buildings and structures. An *approved* fire alarm system in accordance with NFPA 72 shall be installed and maintained in all new A, B, E, F, H, I, M, R-1, R-2, R-4 and S, occupancy group classifications, regardless of size, and provide occupant notification in accordance with Section 907.5, unless other requirements are provided by another section of this code.

- ❖ 37. Chapter 9, §907.5.2.3 shall be amended by the addition of the following sentence:
"When occupant notification is silenced, the visible alarm notification appliance(s) shall continue to operate until the fire alarm and detection system is reset."

- ❖ 38. Chapter 9, §907.6.6.3 add to read:

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

- ❖ 39. Chapter 10, §1025.1, add occupancy type "R-2" to the list of buildings requiring luminous egress path markings.
- ❖ 40. Chapter 53, §5307.1, shall be amended by the addition of the following sentence: "The provisions of this section shall apply to new or existing systems".
- ❖ 41. Chapter 56, §5601 shall be amended by the addition of the following sentence: "This chapter shall be interpreted to be consistent with the provisions of part 20 of article 33.5 of title 24, CRS and any applicable municipal ordinance or county resolution/ordinance, shall govern all fireworks, their sale, storage and use".
- ❖ 42. Chapter 61, §6109.13 Delete the exception.
- ❖ 43. Chapter 80, shall be amended for the following referenced NFPA code versions:
 - 13 – 19: Standard for the Installation of Sprinkler Systems.
 - 13D – 19: Standard for the Installation of Sprinkler Systems in One- and Two-family Dwellings and Manufactured Homes.
 - 13R – 19: Standard for the Installation of Sprinkler Systems in Low-rise Residential Occupancies.
 - 14 – 19: Standard for the Installation of Standpipe and Hose Systems.
 - 24 – 19: Standard for the Installation of Private Fire Service Mains and Their Appurtenances.
 - 72 – 19: National Fire Alarm and Signaling Code.
 - 1221 – 19: Standard for the Installation, Maintenance and Use of Emergency Services Communications Systems.

In the event of a conflict between the provisions of these codes or standards and Colorado State Statues, the most stringent provisions shall apply.

- ❖ 44. Appendix B, §B103.1 Change *fire code official* to *fire chief*.
- ❖ 45. Appendix B, §B103.2 Change *fire code official* to *fire chief*.
- ❖ 46. Appendix B, §B103.3 Delete NFPA 1142.
- ❖ 47. Appendix B, Table B105.1(1) shall be changed to the following: The minimum fire-flow shall not be less than 1,000 gallons per minute for all fire-flow calculation areas.
- ❖ 48. Appendix B, Table B105.2 Minimum Fire Flow column shall be changed on both lines to the following:
 - 50% of the value in Table B105.1(2)."

- ❖ 49. Appendix B, Table B105.2 Footnote a shall be changed to the following:
 - a. The reduced fire flow shall not be less than 1,500 gallons per minute.

- ❖ 50. Appendix B106, shall be amended by the addition of the following paragraph:

Conflicting provisions. Where there is a conflict between the *International Wildland-Urban Interface Code* and NFPA 1142, the most restrictive shall govern.

- ❖ 51. Appendix C, Table C102.1 shall be changed to the following: Footnote h: Change *fire code official* to *fire chief*.

- ❖ 52. Appendix D, §D102.1 shall be changed to the following:

D.102.1 Access and loading. Facilities, buildings or portions of buildings hereafter constructed shall be accessible to fire department apparatus by way of an *approved* fire apparatus access road with an asphalt, concrete or other *approved* driving surface capable of supporting the imposed load of fire apparatus to 75,000 pounds. Underground water detention systems are not allowed under fire apparatus access drive aisles.

- ❖ 53. Appendix D, §D103.2 shall be changed to the following: Exception. Change *fire code official* to *fire chief*.

VII: Penalties

- (a) Any owner, lessee, agent, or occupant of any building or premises maintaining any condition likely to cause fire or to constitute an additional fire hazard or any condition which impedes or prevents the egress of persons from such building or premises in violation of the provisions of CRS §32-1-1002(3), shall be deemed to be maintaining a fire hazard. Any person who violates any provision of said Section V, subsection (c) is guilty of a misdemeanor. Each day in which such violation occurs shall constitute a separate violation of CRS §32-1-1002(3).
- (b) The application of the above penalty shall not be construed to prevent the enforced removal or correction of prohibited conditions or other injunctive relief.

VIII: Repeal of Conflicting Ordinances or Resolutions:

All former ordinances or resolutions enacted by the District or parts thereof conflicting or inconsistent with the provisions of this resolution of the Code or standards hereby adopted are hereby repealed.

IX: Validity and Conflict:

The Board hereby declares that should any section, paragraph, sentence or word of this resolution or of the code or standards hereby adopted be declared for any

reason to be invalid, it is the intent of the Board that it would have passed all other portions of this resolution independent of elimination here from of any such portion of this resolution or code or standards adopted herein to be interpreted in conflict with existing State law. In the event there is conflict between State law and this code, State law shall take precedent

X: Date of Effect:

This resolution shall take effect and be enforced within incorporated municipalities and unincorporated portions of Jefferson County, from and after its approval as set forth in CRS §32-1-1002(1)(d).

APPROVED by the Board of Directors of the Elk Creek Fire Protection District, upon a motion duly made, seconded and passed at its regular meeting held on the 11th day of April, 2019, by a vote of 5 in favor and 0 against, and 0 abstentions.

ELK CREEK FIRE PROTECTION DISTRICT

BY:



ATTEST:

