

AMENDMENTS TO 2018 INTERNATIONAL FIRE CODE
Front Range Fire Rescue Fire Protection District
Effective June 13, 2019
in accordance with Board Resolutions 2019-06

The International Fire Code 2018 edition, including all chapters and appendices, is hereby adopted with the following amendments:

Chapter 1 – Administration

Subsection 101.1 is hereby amended to read as follows:

101.1 Title. These regulations shall be known as the Fire Code of Front Range Fire Rescue Fire Protection District, hereinafter referred to as “this code.”

Subsection 105.6.11 Cutting and Welding. This subsection is deleted in its entirety.

Subsection 105.6.15 Fire hydrants and valves. This subsection is deleted in its entirety.

Subsection 105.6.16 Flammable and combustible liquids. The following portions of this subsection are hereby amended as follows:

2. To store, handle or use Class I liquids in excess of 10 gallons in a building or in excess of 50 gallons outside of a building, except that a permit is not required for the following:

3. To store, handle or use Class II or Class IIIA liquids in excess of 50 gallons in a building or in excess of 499 gallons outside a building, except for fuel oil used in connection with oil-burning equipment.

Subsection 105.6.17 Floor finishing. This subsection is deleted in its entirety.

Subsection 105.6.29 Miscellaneous combustible storage. This subsection is deleted in its entirety.

Subsection 105.6.36 Outdoor assembly event is hereby amended to read as follows:

105.6.36 Outdoor assembly event. An operational permit is required to conduct an outdoor assembly event where planned attendance exceeds 1000 persons, or where the event includes *high-risk activities* as defined in Chapter 2 of this code.

Subsection 105.6.39 Private fire hydrants. This subsection is deleted in its entirety.

Subsection 105.6.42 Refrigeration equipment. This subsection is deleted in its entirety.

Subsection 105.6.47 Temporary membrane structures and tents is hereby amended to read as follows:

105.6.43 Temporary membrane structures and tents. An operational permit is required to operate an air-supported temporary membrane structure or a tent having an area in excess of 700 square feet.

Subsection 105.6.51 Marijuana and/or hemp establishments or businesses is hereby created to read as follows:

105.6.51 Marijuana and/or hemp establishments or businesses. Businesses or establishments that sell, grow, or process marijuana or hemp, or businesses or establishments that perform extractions of marijuana or hemp, shall be required to comply with Chapter 38 of NFPA 1: Fire Code, as well as specific policies adopted by the District, to include obtaining the required permit(s) for the operations of said business or establishment.

Subsection 109.1 is hereby amended to read as follows:

109.1 Board of appeals established. In order to hear and decide appeals of orders, decisions or determinations made by the fire code official relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. The board of appeals shall be the Board of Directors of the Front Range Fire Rescue Fire Protection District. The fire code official shall be an ex officio member of said board but shall have no vote on any matter before the board. The board shall adopt rules of procedure for conducting its business, and shall render all decisions and findings in writing to the appellant with a duplicate copy to the fire code official.

Subsection 110.1 Unlawful acts. This subsection is hereby amended by the addition of the following:

110.1.1 Unlawful parking. Vehicles parked in fire apparatus access roads marked in accordance with Appendix D, Section 103.6 shall be in violation of the county code and model traffic code of the county where located.

Subsection 110.4 Violation penalties is hereby amended to read as follows:

110.4 Violation penalties. Persons who shall violate any 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 misdemeanor offense, punishable by a fine of not more than 100 dollars. Each day that a violation continues after due notice has been served shall be deemed a separate offense. The imposition of a penalty for any violation shall not excuse the violation or permit it to continue, and all persons shall be required to correct or remedy the violation(s) or defect(s). The application of any

penalty pursuant thereto shall not be held to prevent the enforced removal of prohibited conditions not the suspension or removal of a permit or license issued there under.

Chapter 2 – Definitions

Section 202 General Definitions is hereby amended by the following additions:

BOARD. Where the term "Board" is used, it shall be held to mean the Board of Directors of the Front Range Fire Rescue Fire Protection District.

BOARD OF APPEALS. Where the term "Board of Appeals" is used, it shall refer to the Fire District's Board of Appeals, as established, or to the board of appeals established by the applicable municipality or county, if any.

DISTRICT. Wherever the word "District" is used, it shall be held to mean the Front Range Fire Rescue Fire Protection District.

HIGH-RISK ACTIVITIES. Special events shall be deemed to be "high-risk activities" if they include the following proposed activities: display of fireworks, high-speed operation of motor vehicles, mobile food vendors, parades, races, temporary road closures, inflatable attractions, or public alcohol sales and/or consumption.

JURISDICTION. Wherever the word "Jurisdiction" is used it shall be held to mean to the inclusive boundaries of the Front Range Fire Rescue Fire Protection District.

Chapter 3 – General Requirements

Subsection 307.1.1 is hereby amended to read as follows:

307.1.1 Prohibited open burning. Open burning shall be prohibited when atmospheric conditions or local circumstances make such fire hazardous. Open burning shall be specifically prohibited during active Red Flag Warnings.

Exceptions: Prescribed burning for the purpose of reducing the impact of wildland fire when authorized by the fire code official and/or the County Health official. Agricultural burning that is approved by the fire code official and/or the County Health official that is conducted in accordance with Colorado Air Quality Control Commission Regulation Number 9 (5 CCR 1001-11).

Subsection 307.2 is hereby amended to read as follows:

307.2 Permit required. A permit shall be obtained from the County health department of jurisdiction in accordance with Section 105.6.32 prior to kindling a fire for recognized silvicultural or range or wildlife management practices, or

prevention or control of disease or pests. Application for such approval shall only be presented by and permits issued to the owner of the land on which the fire is to be kindled.

Subsection 307.4.1 Bonfires is hereby amended to read as follows:

307.4.1 Bonfires. Where allowed by local laws or regulations, the fire code official is authorized to issue a permit for a bonfire. Such permit shall only be issued after inspection of the location where the bonfire is to occur to confirm appropriate materials will be burned and that appropriate safety measures are in place. The fire code official is further authorized to require emergency standby personnel and fire apparatus, payable by the applicant, if appropriate safety measures cannot be provided. A bonfire shall not be conducted within 100 feet of a structure or combustible material unless the fire is contained to a barbecue pit. Conditions that could cause a fire to spread within 100 feet of a structure shall be eliminated prior to ignition.

307.4.1.1 Bonfire size and fuels. The fuel package pile for a permitted bonfire must be approved by the fire code official prior to ignition. A bonfire fuel pile shall not exceed 10 feet in diameter and 8 feet in height, unless otherwise approved by the fire code official. Based on atmospheric conditions, location, wildfire danger ratings, or adjacent structures or combustible materials, small fuel package piles may be required by the fire code official. Fuels for a bonfire shall be clean, dry, untreated wood products only. Fuels shall not be added to the bonfire after ignition unless approved by the fire code official.

Chapter 5 – Fire Service Features

Subsection 503.1.2 is hereby amended to read as follows:

503.1.2 Additional access. Within the unincorporated portions of the Fire District, the fire code official is authorized to request more than one fire apparatus access road based on the potential for impairment of a single road by vehicle congestion, condition of terrain, climatic conditions or other factors that could limit access. Additional access permit(s) for fire safety may be requested from Weld County through the access permit process set forth in the Weld County Code.

Subsection 503.2 is hereby amended to read as follows:

503.2 Specifications. Fire apparatus access roads shall be installed and arranged in accordance with Sections 503.2.1 through 503.2.8, and Appendix D of this code. Single-family and two-family residences shall not require unduly burdensome road construction or driveway maintenance.

Subsection 505.1 Address identification is hereby amended to read as follows:

505.1 Address identification. New and existing buildings and facilities shall be provided with approved address identification assigned by the governmental entity having jurisdiction. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Address numbers shall not be spelled out. Each character shall be not less than 4 inches (102 mm) high with a minimum stroke width of ½ inch (12.7 mm) and shall comply with section 5.5.1.1 of this code. Where required by the fire code official, address identification shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building cannot be viewed from the public way, a monument, pole or other sign or means shall be used to identify the structure. Address identification shall be maintained by the property owner.

505.1.1 Size of address numbers: Address numbers shall be sized as follows:

1. One- and two-family homes shall have minimum 4-inch high address numbers, with a minimum stroke width of ½ inch.
2. New multi-family or commercial buildings and facilities shall have minimum 6-inch high numbers, with a minimum stroke width of 1 inch.
3. Individual unit or suite addresses in multi-family or commercial buildings shall be displayed with minimum 4-inch high numbers, with a minimum stroke width of ½ inch.
4. New buildings three or more stories in height, or new buildings with a floor area of 15,000 to 100,000 square feet, shall have minimum 8-inch high numbers, with a minimum stroke width of 1 inch.
5. All buildings with a total floor area of 100,000 square feet or greater shall have minimum 12-inch high numbers, with a minimum stroke width of 2 inches.

Subsection 507.3 Fire flow is hereby amended to read as follows:

507.3 Fire flow. Fire flow requirements for buildings or portions of buildings and facilities shall be determined in accordance with Appendix B of this code.

Subsection 507.5 Fire hydrant systems is hereby amended to read as follows:

507.5 Fire hydrant systems. Fire hydrant systems shall comply with Sections 507.5.1 through 507.5.6, and Appendix C of this code.

507.5.1 Where required. Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than 400 feet from a hydrant on a fire apparatus access road, as measured by an approved route around

the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the fire code official.

Exceptions:

1. This requirement does not apply to single-family or double-family homes or Group U occupancies.
2. For buildings equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2, the distance requirement shall be 600 feet.
3. The fire code official may allow an alternate, approved means of water supply in accordance with NFPA 1142: *Standard on Water Supplies for Suburban and Rural Fire Fighting*.

507.5.1.1 Hydrant for standpipe system or fire department connection.

Buildings equipped with a standpipe system installed in accordance with Section 905, or with an automatic fire sprinkler system installed in accordance with Section 903, shall have a fire hydrant within 150 feet of the fire department connections.

Exception: The distance shall be permitted to exceed 150 feet where approved by the fire code official.

Chapter 9 – Fire Protection Systems

Subsection 903.2.8 Group R is hereby amended to read as follows:

903.2.8 Group R. An automatic sprinkler system installed in accordance with Section 903.3 shall be provided throughout all commercial buildings with a Group R fire area, unless otherwise regulated by local ordinance.

Exception: Automatic fire sprinkler systems shall not be required in single-family and double-family homes that have less than 3600 square feet of habitable space above grade.

Subsection 907.2.9 Group R-2 is hereby amended to read as follows:

907.2.9 Group R-2. A manual fire alarm system shall be installed in Group R-2 occupancies where:

1. Any dwelling unit or sleeping unit is located two or more stories above the lowest level of exit discharge.

Chapter 31 – Tents, Temporary Special Event Structures and Other Membrane Structures

Subsection 3106.4 Public safety for events is hereby amended with the following addition:

3106.4.8 Standby emergency medical services. Public assembly events that require a special event permit from the Fire District pursuant to Section 105.3.36 of this code shall provide appropriate and approved ambulance standby services in accordance with the applicable Weld County Code and the current policies and procedures of the Fire District.

Chapter 50 – Hazardous Materials – General Provisions

Subsection 5001.1 Scope Exception #10 is hereby amended to read as follows:

10. The production, processing and/or storage of distilled spirits and wines in wooden barrels and casks when the building or facility is conformance with “Recommended Fire Protection Practices for Distilled Spirits Beverage Facilities” as published by the Distilled Spirits Council of the United States (DISCUS).

Chapter 56 – Explosives and Fireworks

Subsection 5601.1.3 Fireworks is hereby amended to read as follows:

5601.1.3 Fireworks. The possession, manufacture, storage, sale, handling and use of fireworks are prohibited unless permitted by state or local laws.

Subsection 5601.1.3, Exception 4 is hereby amended as follows:

4. The possession, storage, sale, handling and use of Permissible Fireworks in accordance with state statute and local municipal codes.

Subsection 5601.1.6 Permissible fireworks is hereby enacted to read as follows:

5601.1.6 Permissible fireworks. Permissible fireworks shall be possessed, stored, sold, handled and used in accordance with this section and with state and local laws.

1. It shall be unlawful for any person to possess, store, offer for sale, expose for sale, sell at retail or use or discharge any fireworks, other than permissible fireworks.
2. It shall be unlawful for any person to knowingly furnish to any person who is under sixteen years of age, by gift, sale, or any other means, any fireworks or permissible fireworks.
3. It shall be unlawful for any person under sixteen years of age to purchase any fireworks including permissible fireworks.

4. It shall be lawful for a person under the age of sixteen years to possess and/or discharge permissible fireworks if such person is under adult supervision throughout the act of possession and discharge.

Subsection 5601.2.2 is hereby amended to read as follows:

5601.2.2 Sale and retail display. Persons shall not construct a retail display nor offer for sale explosives, explosive materials or fireworks on highways, sidewalks, public property or in any permanent building.

Section 5602 Definitions is hereby amended with the addition of the following definition:

Permissible Fireworks. As defined in Colorado Revised Statutes, 12-28-101 § CRS.

Chapter 57 – Flammable and Combustible Liquids

Subsection 5701.2 Non-applicability Exception #10 is hereby amended to read as follows:

10. The production, processing and/or storage of distilled spirits and wines in wooden barrels and casks when the building or facility is in conformance with “Recommended Fire Protection Practices for Distilled Spirits Beverage Facilities” as published by the Distilled Spirits Council of the United States (DISCUS).

Subsection 5704.2.9.6.1 Locations where above-ground tanks are prohibited is hereby amended to read as follows:

5704.2.9.6.1 Locations where above-ground tanks are prohibited. Storage of Class I and Class II liquids in above-ground tanks outside of buildings is prohibited within the limits established by law as follows:

1. As addressed by ordinance and/or zoning regulation adopted by a branch of local government within the District.
2. Any area within unincorporated parts of the District which are not zoned industrial or agricultural by the zoning ordinance of the county of jurisdiction.

Subsection 5704.2.14.1 Removal is hereby amended by the following addition:

7. Removal of above-ground and underground tanks shall be in accordance with federal, state and local regulations.

Subsection 5704.3.3 Indoor storage. Exception #2 is hereby amended to read as follows:

2. The production, processing and/or storage of distilled spirits and wines in wooden barrels and casks when the building or facility is conformance with “Recommended Fire Protection Practices for Distilled Spirits Beverage Facilities” as published by the Distilled Spirits Council of the United States (DISCUS).

Subsection 5706.2.4.4 Locations where above-ground tanks are prohibited is hereby amended to read as follows:

5706.2.4.4 Locations where above-ground tanks are prohibited. Storage of Class I and Class II liquids in above-ground or underground tanks outside of buildings is prohibited within the limits established as follows:

1. As addressed by ordinance and/or zoning regulation adopted by a branch of local government within the District.
2. Any area within unincorporated parts of the District which are not zoned industrial or agricultural by the zoning ordinance of the county of jurisdiction.

Subsection 5706.3 Well drilling and operating is hereby amended with the following additions:

5706.3.9 Portable fire extinguishers. Portable fire extinguishers shall be located throughout the site in accordance with Colorado Oil and Gas Conservation Commission (COGCC) rules and in locations approved by the fire code official.

5706.3.10 Identification of hazards. All hazardous materials tanks or containers shall be appropriately labeled in accordance with NFPA 704, or other standard as approved by the fire code official. All hazard markings shall be maintained by the operator.

5706.3.11 Access roads. All access roads to well drilling and operating facilities shall comply with Section 505.1 and Appendix D of this code, and the established Weld County access road requirements and processes.

5706.3.12 Facility security. All fences and gates installed to provide facility security shall comply with Section 503.6 of this code. The fire code official may require a Knox Box, Knox Switch, or Knox Padlock to be installed by the operator to provide fire department access to the site if the operator does not have other approved methods in place to provide fire department access.

5706.3.13 Safety regulations. All oil and gas locations shall comply with all Colorado Oil and Gas Conservation Commission (COGCC) rules. COGCC Rule 600 shall be specifically addressed for all site safety requirements.

Chapter 58 – Flammable Gases and Flammable Cryogenic Fluids

Section 5806.2 Limitations is hereby amended to read as follows:

5806.2 Limitations. Storage of flammable cryogenic fluids in stationary containers outside of buildings is prohibited within the limits established as follows:

1. As addressed by ordinance and/or zoning regulation adopted by a branch of local government within the District.
2. Any area within unincorporated parts of the District which are not zoned industrial or agricultural by the zoning ordinance of the county of jurisdiction.

Chapter 61 – Liquefied Petroleum Gases

Section 6104.2 Maximum capacity within established limits is hereby amended to read as follows:

6104.2 Maximum capacity within established limits. Within the limits established by law restricting the storage of liquefied petroleum gas for the protection of heavily populated or congested areas, the aggregate capacity of any one installation shall not exceed the following limits:

1. As addressed by ordinance and/or zoning regulation adopted by a branch of local government within the District.
2. Any area within unincorporated parts of the District which are not zoned industrial or agricultural by the zoning ordinance of the county of jurisdiction.

Exception: In particular installations, this capacity limit shall be determined by the fire code official, after consideration of special features such as topographical conditions, nature of occupancy, and proximity to buildings, capacity of proposed LP-gas containers, degree of fire protection to be provided and capabilities of the local fire department. These provisions shall not be interpreted so as to conflict with the provisions of Colorado Revised Statutes Title 8, Article 20 or Title 34 as amended. In the event of any conflict, the more restrictive provision shall prevail.

Chapter 80 – Referenced Standards

Chapter 80 Referenced standards is hereby amended with the following additions:

COGCC Colorado Oil and Gas Conservation Commission
 1120 Lincoln Street, suite 801
 Denver, CO 80203

Rule 600: Safety Regulations

Referenced in Section 5706.3.13

DISCUS Distilled Spirits Council of the United States
 1250 Eye Street, NW suite 400
 Washington, DC 20005

Recommended Fire Protection Practices for Distilled Spirits Beverage
Facilities, 3rd edition, June 2005

Referenced in Sections 5001.1, 5701.2, 5704.3.3

NFPA National Fire Protection Association
 1 Batterymarch Park
 Quincy, MA 02169-7471

NFPA 1-18: Fire Code, Chapter 38: Marijuana Growing, Processing, or
Extraction Facilities

Referenced in Subsection 105.6.51

NFPA 96-17: Standard for Ventilation Control and Fire Protection in
Commercial Cooking Operations, Annex B

Referenced in Subsection 105.6.30.

Appendices

Only the appendices of the 2018 International Fire Code listed herein are adopted as follows:

APPENDIX B: Fire-Flow Requirements for Buildings is adopted in its entirety.

APPENDIX C: Fire Hydrant Locations and Distribution is adopted in its entirety.

APPENDIX D: Fire Apparatus Access Roads is adopted in its entirety.

APPENDIX E: Hazard Categories is adopted in its entirety.

APPENDIX F: Hazard Ranking is adopted in its entirety.

APPENDIX G: Cryogenic Fluids – Weight and Volume Equivalents is adopted in its entirety.

APPENDIX H: Hazardous Materials Management Plan (HMMP) and Hazardous Materials Inventory Statement (HMIS) Instructions is adopted in its entirety.

APPENDIX I: Fire Protection Systems – Noncompliant Conditions is adopted in its entirety.

APPENDIX K: Construction Requirements for Existing Ambulatory Care Facilities is adopted in its entirety.