

## Chapter 15.28 – Fire Code

### Sections:

- 15.28.010 International Fire Code – Adopted**
- 15.28.020 Modifications to International Fire Code – 2012 Edition**
- 15.28.030 Violations and Penalties**

### **Section 15.28.10 International Fire Code-Adopted.**

The International Fire Code 2012 Edition, issued and published by the International Code Council, 4501 West Flossmoor Road, Country Club Hills, IL 60478-5795, including appendices B, C, D and I, is hereby adopted by reference as the fire code of the city. The purpose of the fire code is to provide minimum standards to safeguard life and limb, health, property and the public welfare by regulating fire and explosion hazards arising from the storage, handling and use of hazardous substances, materials and devices, and from conditions hazardous to life or property in the occupancy of buildings and premises; and to provide for the issuance of permits and collection of fees therefore. At least one copy of the International Fire Code, 2012 Edition, which has been certified by the mayor and city clerk, shall be on file in the office of the city clerk, and may be inspected during regular business hours.

### **Section 15.28.020 Modifications to International Fire Code – 2012 Edition**

The International Fire Code, 2012 Edition, adopted in this chapter, is modified as follows:

A. Subsection 101.1, of Section 101 is amended to read in full, as follows:

**101.1 Title.** These regulations shall be known as the City of Loveland Fire Code hereinafter referred to as “the fire code”.

B. Subsection 108.1, of Section 108 is amended to read in full, as follows:

**108.1 Appeals.** Appeals arising from the application of the International Fire Code, 2012 Edition, shall be pursuant to Sections 15.04.150 and 15.04.152 of the Loveland Municipal Code.

C. Subsection 108.2, of Section 108 is deleted in its entirety.

D. Subsection 108.3, of Section 108 is deleted in its entirety.

E. Subsection 109.4, of Section 109 is deleted in its entirety.

F. Subsection 111.4, of Section 111 is deleted in its entirety.

G. Subsection 113, of Section 113 is amended to read in full, as follows:

**113.2 Schedule of Permit Fees.** Fees for any permit, inspections, and services authorized by the fire code shall be assessed in accordance with the fee schedule established by resolution of the city council.

H. Subsection 113.5, of Section 113 is amended to read in full, as follows;

**113.5 Refunds.** The fire code official shall be permitted to authorize a refund of not more than fifty percent (50%) of the permit fee when no work has been done under a permit issued in accordance with this code. This refund shall only be redeemable within twelve months, (12), of issuance of the permit.

The fire code official shall not be permitted to authorize refunding of any fee paid except upon written application filed by the original applicant not later than sixty (60) days after the date of fee payment.

I. Section 308 is amended in part, by the addition of a new subsection 308.1.1 to read in full, as follows:

**308.1.1 Open Flames.** Sky Lanterns. The lighting of, and the release of, Sky Lanterns shall be prohibited.

J. Subsection 311.5, of Section 311 is deleted in its entirety.

K. Subsection 503.2.5, of Section 503 is amended to read in full, as follows:

**503.2.5 Dead Ends.** Dead-end fire apparatus access roads in excess of one hundred-fifty (150) feet in length shall be provided with an approved area for turning around fire apparatus. Dead-ends in excess of one thousand (1,000) feet are not allowed.

L. Subsection 503.6, of Section 503 is amended to read in full, as follows:

**503.6 Security Gates.** The installation of security gates across a fire apparatus access road shall be *approved* by the fire code official. Where security gates are installed, they shall have an *approved* means of emergency operation. 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 F 2200.

Exception: Private driveways serving a single-family residence.

M. Subsection 505.1, of Section 501 is amended to read in full, as follows:

**505.1 Premises Identification.** New and existing buildings shall have approved address numbers, building numbers or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property. The color of these numbers shall contrast with their background. Address numbers shall be Arabic numerals. New residential buildings that contain not more than two dwelling units shall have minimum 4-inch high numbers, with a minimum stroke width of ½ inch. Individual suite or unit addresses shall be displayed with minimum 4-inch high numbers, with a minimum stroke width of ½ inch. New multiple-family or commercial buildings shall have minimum 6-inch high numbers, with a minimum stroke width of ½ inch. New buildings three or more stories in height or 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. 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 1½ inches. Where building setbacks exceed 100 feet from the street or access road, additional numbers shall be displayed at the property entrance. The fire code official may require address numbers to be displayed on more than one side of the building.

N. Subsection 507.3, Section 507 is amended to read in full, 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.

O. Subsection 507.5, of Section 507 is amended to read in full, as follows:

**507.5 Fire Hydrant Systems.** Fire hydrant systems shall comply with Sections 507.5.1 through 507.5.6 of this fire code.

P. Subsection 507.5.1, of Section 507 is amended to read in full, as follows:

**507.5.1 Where Required.** Fire hydrants shall be spaced six hundred (600) feet apart for Group R-3 occupancies and three hundred-fifty (350) feet apart for all other occupancies.

**Exceptions:**

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 or as approved by the fire code official.

Q. Subsection 507.5, of Section 507 is amended in part, by the addition of a new Section 507.5.7 to read in full, as follows:

**507.5.7 Fire Department Connections.** A fire hydrant shall be located within one hundred-fifty (150) feet of a fire department connection, using an approved route without obstacles.

R. Section 510 is amended in part, by the deletion of 510.1 and 510.2, and the addition of new Sections 510.1 and 510.2, to read in full, as follows:

**510.1 Emergency responder radio coverage in new buildings.** Where adequate radio coverage cannot be established within a building, as defined by the fire code official, public safety radio amplification systems shall be installed in the following locations:

1. New buildings with a total building area greater than fifty thousand (50,000) square feet. For the purpose of this section, fire walls shall not be used to define separate buildings.
2. All new basements larger than ten thousand (10,000) square feet.

Exceptions:

1. One and two-family dwellings and townhouses.
2. If approved by the fire code official, buildings that provide a documented engineering analysis indicating the building is in compliance with radio reception levels in accordance with Section 510.6.1 and final fire department testing.

**510.2 Emergency responder radio coverage in existing buildings.** Existing buildings shall be provided with approved radio coverage for emergency responders if the buildings meet the criteria of Section 510.1 and are undergoing

alterations or additions exceeding fifty percent (50%) of the existing aggregate area of the building as of the date of this ordinance.

**Exceptions:**

1. One and two-family dwellings and townhouses.
2. If approved by the fire code official, buildings that provide a documented engineering analysis indicating the building is in compliance with radio reception levels in accordance with Section 510.6.1 and final fire department testing.

S. Subsection 901.1, of Section 901, shall be amended to read in full as follows:

**901.1 Scope.** The provisions of this chapter shall specify where fire protection systems are required and shall apply to the design, installation, inspection, operation, testing and maintenance of all fire protection systems. When the requirements of this code and the adopted building code are in conflict, the more restrictive shall apply.

T. Subsection 903.1.1, of Section 903 is amended to read in full as follows:

**903.1.1 Alternative Protection.** Alternative automatic fire-extinguishment systems complying with Section 904 shall be permitted in lieu of automatic sprinkler protection where recognized by the applicable standard and approved by the building code official and fire code official.

U. Item (4) of Subsection 903.2.7, of Section 903, is amended to read in full as follows:

(4) A group M occupancy used for the display and sale of upholstered furniture which does not exceed six thousand (6,000) square feet.

V. Section 903 is amended in part by the addition of a new Section 903.2.12, to read in full as follows:

**903.2.13 Dead-end Roadways.** An automatic fire sprinkler system shall be installed in all Group R fire areas, including single family detached residences, when the residential structure is located beyond four hundred, (400) feet of the entrance to a dead-end roadway.

W. Subsection 903.3.1.3 of Section 903, is amended to read in full as follows:

**Section 903.3.1.3 NFPA 13D Sprinkler Systems.** Automatic sprinkler systems shall not be required in one- or two-family dwellings including townhouses that are located within six hundred (600) feet of a fire hydrant meeting minimum flow and pressure requirements and located within four hundred (400) feet from the entrance on a dead-end roadway. All other one- and two-family dwellings, townhouses, and Groups R-3 and R-4 congregate living facilities, shall have automatic sprinkler systems installed in accordance with NFPA 13D.

- X. Section 903 is amended in part by the addition of a new Section 903.3.5.1 to read in full as follows:

**903.3.5.1 Backflow Protection.** All fire sprinklers systems undergoing modification, unless exempt by the Director of the City of Loveland Water and Power Department or other applicable water district, shall be isolated from the public water system by a backflow prevention device meeting the requirements of the Loveland Municipal Code or applicable water district.

- Y. Subsection 903.4.3, of Section 903, is amended to read in full as follows:

**Section 903.4.3 Floor Control Valves.** Approved supervising indicating control valves shall be provided at the point of connection to the riser on each floor in all multi-story structures.

- Z. Subsection 905.1.1, of Section 905, is amended in part by the addition of a new Section 905.1.1 to read in full as follows:

**905.1.1 Alternative classes of standpipes.** The fire code official is authorized to require to the installation of alternative classes of standpipes.

- AA. Subsection 905.3.4.1, of subsection 905 is deleted in its entirety.

- BB. Subsection 907.2.11.2, of Section 907, is amended in part by the addition of a new Paragraph, 4, to read in full as follows:

**Groups R-2, R-3, R-4 and I-1:**

3. In Groups R-2, R-3, R-4 and I-1 occupancies, and in all attached garages, an interconnected heat detector shall be installed.

CC. Section 907 is amended in part by the addition of a new Section 907.2.11.5 to read in full as follows:

**907.2.11.5 Exterior Strobe.** An exterior strobe shall be provided on the exterior of all R-1 and R-2 occupancies in a location readily visible from the roadway fronting the structure. This strobe shall alarm upon activation of any smoke or heat detection. The fire code official is authorized to require exterior strobes to be provided on more than one side of the structure.

DD. Section 1004 is amended in part by the addition of new Section 1004.10 to read in full as follows:

**1004.10 Design.** Buildings and facilities shall be designed and constructed to be accessible in accordance with this code; the ICC A117.1, most current edition; and the Colorado Revised Statutes Title 9 Article 5, 9-5-101, et seq., as amended.

EE. Subsection 1104.16.5, of Section 1104 is amended to read in full as follows:

**1104.16.5.1 Examination.** Fire escape stairs and balconies shall be examined for structural adequacy and safety in accordance with Section 1104.16.5 by a registered design professional or others acceptable to the fire code official, at such times required by the fire code official. An inspection report shall be submitted to the fire code official after such examination.

FF. Subsection 3103.2, of Section 3103 is amended to read in full as follows:

**3103.2 Approval Required.** Tents/Canopies and membrane structures in excess of seven hundred (700) square feet shall not be erected, operated or maintained for any purpose without first obtaining a permit and approval from the fire code official.

GG. Subsection 5601.1.3, of Section 5601, is amended to read in full as follows:

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

HH. Exception 4, of Subsection 5601.1.3 of Section 5601 is amended to read in full as follows:

4. The possession, storage, sale, handling and use of permissible fireworks in accordance with the criteria established by the fire code official.

II. Section 5602 is amended by the addition of a new definition to read as follows:

**5602 Permissible Fireworks.** As defined by the Colorado Revised Statutes 12-28-101.

JJ. Chapter 56 is amended by the addition of a new Section 5610 to read in full as follows:

## **SECTION 5610 PERMISSABLE FIREWORKS**

**5610.1 General.** Permissible fireworks use shall be as detailed in this section and in accordance with state and local laws.

**5610.2 Use of Fireworks.** The use of permissible fireworks shall be in accordance with Sections 5610.2.1 through 5610.2.4.

**5610.2.1** 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.

**5610.2.2** It shall be unlawful for any person to knowingly furnish to any person under the age of sixteen (16) years of age, by gift, sale, or any other means, any fireworks, or permissible fireworks.

**5610.2.3** It shall be unlawful for any person under sixteen (16) years of age to purchase fireworks, including permissible fireworks.

**5610.2.4** It shall not be unlawful for a person under sixteen (16) years of age to possess and discharge permissible fireworks if such person is under adult supervision throughout the act of possession and discharge.

KK. Subsection 5704.2.9.6.1 of Section 5704, is amended to read in full as follows:

**5704.2.9.6.1 Location where above-ground storage tanks are prohibited.**

Storage of Class I and II liquids in above-ground storage tanks outside of buildings is prohibited within the city limits.

Exceptions:

1. Above-ground tank storage of aviation fuels at the Fort Collins-Loveland Airport fuel farm.
2. Protected above-ground tank storage (UL 2085) not exceeding one thousand (1,000) gallons in size per tank or two thousand (2,000) gallons per site.
3. Above-ground storage tanks not exceeding 500 gallons for supply of emergency generators or fire pumps when approved by the fire code official.

LL. Subsection 5704.2.13.1.4 of Section 3404 is deleted in its entirety.

MM. Subsection 5706.2.4 of Section 5706, is amended to read in full as follows:

**5706.2.4 Permanent and temporary tanks.** The capacity of permanent aboveground tanks containing Class I or Class II liquids shall not exceed five hundred (500) gallons. The capacity of temporary aboveground tanks containing Class I or Class II liquids shall not exceed two thousand (2,000) gallons unless a larger amount is approved in writing by the fire code official. Tanks shall be of single-compartment design.

NN. Subsection 5706.2.4.4, of Section 5706 is deleted in its entirety.

OO. Subsection 6104.2, of Section 6104 is amended to read in full 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 a water capacity of five hundred, (500), gallons.

**Section 15.28.030: Violations and Penalties.**

- A. No person who operates, occupies, or maintains a premises or vehicle subject to the provisions of this chapter shall allow a fire hazard to exist, nor shall fail to take immediate action to abate a fire hazard when ordered or notified to do so.
  
- B. Any person who shall violate any of the provisions of this chapter or who shall violate or fail to comply with any orders made hereunder or who shall act in any way in violation of any permits issued hereunder shall, severally and for each and every violation in noncompliance respectively, be guilty of a misdemeanor punishable by the penalty set forth in Section 1.12.010 of the Loveland Municipal Code. The imposition of one 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 violations or defects within a reasonable time, and when not otherwise specified, each day that prohibited conditions are maintained shall constitute a separate offense. The application of any penalty pursuant hereto shall not be held to prevent the forced removal of prohibited conditions nor the suspension or removal of a permit or license issued hereunder.

PP. Subsection D102.1, of Section D102, is amended to read in full as follows:

**D102.1 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 weighing at least 80,000 pounds.

QQ. Subsection D105.2, of Section D105, is amended to read in full as follows:

**D103.6 Signs.** Where required by the fire code official, fire apparatus access roads shall be marked with permanent NO PARKING – FIRE LANE signs complying with Diagram 1418 of the Larimer County Urban Area Street Standards. Signs shall be posted on one or both sides of the fire apparatus road as required by Section D103.6.1 or D103.6.2