

**CUNNINGHAM FIRE PROTECTION DISTRICT
RESOLUTION # 2007-04**

RESOLUTION OF THE BOARD OF DIRECTORS OF THE CUNNINGHAM FIRE PROTECTION DISTRICT ADOPTING THE INTERNATIONAL FIRE CODE, 2006 EDITION AS PUBLISHED BY THE INTERNATIONAL CODE COUNCIL AND AMENDMENTS THERETO IN ORDER TO ESTABLISH MINIMUM REGULATIONS THAT PROMOTE FIRE SAFETY AND SAFEGUARD LIFE AND PROPERTY FROM THE HAZARDS OF FIRE, EXPLOSION OR DANGEROUS CONDITIONS IN NEW AND EXISTING BUILDINGS, STRUCTURES AND PREMISES; TO PROVIDE SAFETY TO FIREFIGHTERS AND EMERGENCY RESPONDERS DURING EMERGENCY OPERATIONS; AND TO PROVIDE FOR THE ISSUANCE OF PERMITS AND COLLECTIONS OF FEES THEREFORE:

WHEREAS, the Cunningham Fire Protection District of Arapahoe County, Colorado, deems it in the best interest of the District to maintain adequate and updated regulations concerning fire and life safety requirements in the Fire Protection District by means of adoption by reference of the 2006 International Fire Code.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Cunningham Fire Protection District, that the 2006 International Fire Code including Appendices B, C, D, E, F, and G as published by the International Code Council, is hereby adopted by reference pursuant to the provisions of C.R.S. 32-1-1002 (1) (d), as amended, with such amendments, changes and deletions as are hereinafter set forth:

I. DEFINITIONS:

FIRE CHIEF, FIRE CODE OFFICIAL, as used in the International Fire Code, shall refer to the Fire Chief of the Cunningham Fire Protection District, or his designee.

LEGAL COUNSEL, as used in the International Fire Code, shall refer to the Attorney of the Cunningham Fire Protection District, or his designee.

JURISDICTION, NAME OF JURISDICTION, as used in the International Fire Code, shall mean the Cunningham Fire Protection District.

II. ARAPAHOE COUNTY STIPULATIONS:

The fire code adopted pursuant to this resolution:

- Is modeled after the Uniform Fire Code and is intended to be uniform generally with other fire districts within Arapahoe County;
- Is in conformance with state statute;
- Shall not conflict with the Arapahoe County Building Code or another County resolutions, regulations and ordinances, as they may be amended from time to time;

III. APPLICABILITY WITHIN THE CITY OF CENTENNIAL:

The amendments to the International Fire Code provided for herein shall not apply within the City of Centennial unless consented to by the City.

IV. AMENDMENTS TO THE 2006 INTERNATIONAL FIRE CODE

A. CHAPTER 1 - ADMINISTRATION

SECTION 102 – APPLICABILITY

102.6 Referenced codes and standards. The codes and standards referenced in this code shall be those that are listed in Chapter 45 and such codes and standards shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between the provisions of this code and the referenced standards, the provisions of this code shall apply. When the code references National Fire Protection Association (NFPA) Standards, the Fire District shall reference the most current edition of the standard. When the NFPA releases a new edition, that edition becomes effective on January 1 of the year following release by NFPA.

CHAPTER 1 - ADMINISTRATION *is amended by adding the following section:*

SECTION 102.10 – APPLICATION OF INTERNATIONAL RESIDENTIAL CODE

102.10 Application of International Residential Code. Where structures are designed and constructed in accordance with the *International Residential Code*, the provisions of this code shall apply as follows:

1. Construction and design provisions: Provisions of this code pertaining to the exterior of the structure shall apply including, but not limited to, premises identification, fire apparatus access, and water supplies. Construction permits for systems and equipment utilized in the interior or exterior of the structure shall also apply.
2. Administrative, operational, and maintenance provisions: All such provisions of this code shall apply.

References in this code to Group R-3 or U occupancies or one- and two-family dwellings and townhouses shall apply to structures under the scope of the *International Residential Code* except as limited by this section.

SECTION 103 – ~~DEPARTMENT OF FIRE PREVENTION BUREAU~~

103.1 General. ~~The department of fire prevention bureau~~ is established within the jurisdiction under the direction of the fire code official and shall consist of fire department personnel assigned thereto by the fire code official. The function of the ~~department bureau~~ shall be the implementation, administration and enforcement of the provisions of this code.

103.2 Appointment. ~~The fire code official shall be appointed by the chief appointing authority of the jurisdiction; and the fire code official shall not be removed from office except for just cause and after full opportunity to be heard on specific and relevant charges and by and before the appointing authority.~~

SECTION 105 - PERMITS

Section 105.6 Required operational permits. The fire code official is authorized to issue operational permits for the operations set forth in Sections 105.6.1 to 105.6.47. 46

Table 105.6.20 Permit Amounts for Hazardous Materials *is amended as follows.*

Type of Material	Amount
Oxidizing materials	
Gases	See Section 105.6.8
Liquids	
Class 4	Any Amount
Class 3	1 gallon ^a
Class 2	10 gallons
Class 1	55 gallons
Solids	
Class 4	Any Amount
Class 3	1 pound ^b
Class 2	100 pounds
Class 1	500 pounds

a. 20 gallons when Table 2703.1.1(1) Note k applies and hazard identification signs in accordance with Section 2703.5 are provided for quantities of 20 gallons or less.

b. 200 pounds when Table 2703.1.1(1) Note k applies and hazard identification signs in accordance with Section 2703.5 are provided for quantities of 200 pounds or less.

Section 105.6 Required operational permits *add the following operational permit*

105.6.47 Retail Fireworks Sales. An operational permit is required to conduct the retail sales of fireworks within an existing building, tent, canopy or temporary structure.

Section 105.7 Required construction permits. The fire code official is authorized to issue construction permits for the work as set forth in Sections 105.7.1 to 105.7.16. ~~13~~

Section 105.7 Required construction permits *add the following permits*

105.7.14 New Building. To erect a new building or parking structure.

105.7.15 Tenant Finish. To remodel or improve a portion of an existing building.

105.7.16 Security Gates. To install automatic or manual gates across fire apparatus access roads.

Section 105 – Permits *add the following subsection*

105.8 Permit Fee Schedule. Fees shall be assessed for both operational and construction permits according to the fee schedule adopted by the District’s Board of Directors.

SECTION 108 – BOARD OF APPEALS

108.1 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 appointed by the governing body and shall hold office at its pleasure.~~ created a Regional Fire Code Board of Appeals through the entry by the District into an intergovernmental agreement with other fire protection jurisdictions (“IGA”). The board of appeals shall be appointed through the operation of the IGA. 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.

SECTION 109 - VIOLATIONS

109.3 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 [SPECIFY OFFENSE], punishable by a fine of not more than [AMOUNT] dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment.~~ subject to penalties or other action by the Fire District in accordance with 32-1-1001 and 32-1-1002, C.R.S. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

B. CHAPTER 3 – GENERAL PRECAUTIONS AGAINST FIRE

SECTION 308- OPEN FLAMES

308.3 Open flame *is amended by adding the following section:*

308.3.1.2 Notification

Property Managers or Home Owners Associatons (HOA) shall notify in writing each tenant/unit owner of the restrictions pertaining to use of open flame cooking devices on balconies. Acceptable forms of notification are a statement in the signed lease or a separate form that is signed by the tenant or unit owner and kept on file by the Property Manager or HOA.

C. CHAPTER 5 – FIRE SERVICE FEATURES

SECTION 503 - FIRE APPARATUS ACCESS ROADS

503.1 Where required *is amended as follows:*

503.1 Where required. Fire apparatus access roads shall be provided and maintained in accordance with Sections 503.1.1 through 503.1.3 and Appendix D.

503.2 Specifications, *is amended as follows:*

503.2.1 Dimensions. Fire apparatus access roads shall have an unobstructed width of not less than 20 feet (6096 mm) or as otherwise specified by Appendix D except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than 13 feet 6 inches (4115 mm). When fire apparatus access roads are divided by a median that provides two separate one-way access roads, the minimum unobstructed width is 16 feet (4877 mm) for each access road..

503.2.3 Surface *is amended as follows:*

503.2.3 Surface. Fire apparatus access roads shall be designed and maintained to support the imposed load of fire apparatus a defined by section D102.1 ~~loads of fire apparatus~~ and shall be surfaced so as to provide all-weather driving capabilities. Acceptable all weather surfaces for permanent fire apparatus access roads are asphalt or concrete.

503.2.5 Dead ends. Dead-end fire apparatus access roads in excess of 150 feet (45 720 mm) in length shall be provided with an approved area for turning around fire apparatus in accordance with the requirements of Supplemental Rules and Regulations established by the Fire Prevention Bureau.

503.6 Security gates *is amended as follows:*

503.6 Security gates. The installation of security gates across a fire apparatus access road shall be approved by the fire chief. 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. Any gate installed across any fire apparatus access shall meet the requirements of the Supplemental Rules and Regulations established by the Fire Prevention Bureau.

SECTION 506 – KEY BOXES *is amended as follows:*

506.1 Where required. Where access to or within a structure or an area is restricted because of secured openings, ~~or~~ where immediate access is necessary for life-saving or fire-fighting purposes, or a building contains a fire detection or fire suppression system, the fire code official is authorized to require a key box to be installed in an approved location. The key box shall be of an approved type and shall contain keys to gain necessary access as required by the fire code official. The fire code official can require additional key boxes on buildings with multiple entrances.

SECTION 508 – FIRE PROTECTION WATER SUPPLIES *is amended as follows:*

508.3 Fire flow. Fire flow requirements for buildings or portions of buildings and facilities shall be determined in accordance with Appendix B. ~~by an approved method.~~

508.5 Fire hydrant systems. Fire hydrant systems shall comply with Sections 508.5.1 through 508.5.6 and Appendix C.

CHAPTER 5 – FIRE SERVICE FEATURES *is amended by adding the following sections:*

SECTION 511 – EMERGENCY SERVICES RADIO COMMUNICATIONS

511.1 General. Emergency services radio amplification systems for the enhancement of emergency services communications within buildings shall be designed, installed and maintained in accordance with this section.

511.2 Where required. 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 50,000 square feet or building additions that cause the building to be greater than 50,000 square feet. For the purposes of this section, fire walls shall not be used to define separate buildings.
2. All new basements over 10,000 square feet where the design occupant load is greater than 50, regardless of the occupancy classification.
3. Existing buildings meeting the criteria of Item #1 or 2 of this section undergoing alterations exceeding 50% of the aggregate area of the building.

Exception: One- and two-family dwellings and townhouses.

SECTION 512 – TRAFFIC SIGNAL EQUIPMENT

512.1 General. Any new or upgraded traffic control signal, installed or funded by a developer shall contain equipment that aids in the response of emergency vehicles by controlling the direction of travel of the emergency vehicle. The equipment shall meet Supplemental Rules and Regulations established by the jurisdiction.

D. CHAPTER 6 – BUILDING SERVICES AND SYSTEMS *is amended by adding the following section:*

SECTION 610 – TELEPHONE COMMUNICATIONS SYSTEMS

610.1 General. Any telephone system within the district shall report the building address and suite number to the appropriate Public Safety Answering Point (PSAP) when dialing 9 1 1.

E. CHAPTER 9 – FIRE PROTECTION SYSTEMS

SECTION 903 – AUTOMATIC SPRINKLER SYSTEMS

Section 903.2 Where required *is amended as follows:*

903.2.2 Group E. An automatic sprinkler system shall be provided in any for Group E occupancy. ~~occupancies~~ as follows:

1. Throughout all Group E fire areas greater than 20,000 square feet (1858 m²) in area.
2. Throughout every portion of educational buildings below the level of exit discharge.

Exception: ~~An automatic sprinkler system is not required in any fire area or area below the level of exit discharge where every classroom throughout the building has at least one exterior exit door at ground level.~~

903.2.3 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 exist:~~

1. Where a Group F-1 fire area exceeds 12,000 square feet (1115 m²);
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 m²).

903.2.3.1 Woodworking occupancies. An automatic sprinkler system shall be provided throughout all Group F-1 occupancy fire areas that contain woodworking operations ~~in excess of 2,500 square feet in area (232 m²)~~ which generate finely divided combustible waste or which use finely divided combustible materials.

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

1. Where a Group M fire ~~the area of a building~~ exceeds 12,000 square feet (1115 m²);
2. Where a Group M fire area ~~the building~~ is located more than ~~three~~ two stories above grade plane ~~;~~ or
3. Where the combined area of all Group M fire areas on all floors, including any mezzanines, exceeds 24,000 square feet (2230 m²).

Section 903.2 Where required *is amended by adding the following subsections:*

903.2.14 Group B Occupancies. An automatic sprinkler system shall be provided throughout buildings containing a Group B occupancy where one of the following conditions exists:

1. Where the area of a building exceeds 12,000 square feet (1115 m²);
2. Where the building is more than two stories above grade plane.

903.2.15 Group F-2. An automatic sprinkler system shall be provided throughout all buildings containing a Group F-2 occupancy where one of the following conditions exist:

1. Where a Group F-2 fire area exceeds 12,000 square feet (1115 m²);
2. Where a Group F-2 fire area is located more than three stories above grade plane; or
3. Where the combined area of all Group F-2 fire areas on all floors, including any mezzanines, exceeds 24,000 square feet (2230 m²).

903.3.7 Fire department connections. The location of fire department connections shall be approved by the fire code official. Locking plugs meeting supplemental rules shall secure all fire department connections. Existing building owners shall have up to 6 months after being notified to install such plugs.

903.4 Sprinkler system monitoring and alarms.

903.4.1 Signals. Alarm, supervisory and trouble signals shall be distinctly different and shall be automatically transmitted to an approved central station, remote supervising station or proprietary supervising station as defined in NFPA 72, or, when approved by the fire code official, 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.

903.4.2 Alarm notification appliances. ~~Alarms~~ Approved alarm notification appliances ~~audible devices~~ shall be connected to every automatic sprinkler system and installed in accordance with Section 907.10. Alarm notification appliances ~~Such sprinkler water flow alarm devices~~ shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Alarm notification appliances ~~Alarm devices~~ shall also be provided on the exterior of the building in an approved location. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system.

SECTION 907 – FIRE ALARM AND DETECTION SYSTEMS

907.2 Where required – new buildings and structures *is amended as follows:*

907.2 Where required – new buildings and structures. An approved manual, automatic or manual and automatic fire alarm system installed in accordance with the provisions of this code and NFPA 72 shall be provided in new buildings and structures in accordance with Sections 907.2.1 through 907.2.23 ~~24~~ and provide occupant notification in accordance with Section 907.10, unless other requirements are provided by another section of this code. Where automatic sprinkler protection installed in accordance with Section 903.3.1.1 or 903.3.1.2 is provided and connected to the building fire alarm system, automatic heat detection required by this section shall not be required. The automatic fire detectors shall be smoke detectors. Where ambient conditions prohibit installation of automatic smoke detection, other automatic fire detection shall be allowed.

907.2.1 Group A. A manual and automatic fire alarm system shall be installed in accordance with NFPA 72 in any building containing Group A occupancies having an occupant load of ~~300~~ 50 or more. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy.

Exception: ~~Manual fire alarm boxes~~ Automatic fire detection is ~~are~~ not required where the building is equipped throughout with an automatic sprinkler system and the alarm notification appliances will activate upon sprinkler water flow.

907.2.2 Group B. A manual and automatic fire alarm system shall be installed in any building greater than 5000 square feet (465 sq. m) containing Group B occupancies, having an occupant load of 500 or more persons or more than 100 persons above or below the lowest level of exit discharge.

Exception: ~~Manual fire alarm boxes are not required where~~ Where the building is equipped throughout with an automatic sprinkler system and the alarm notification appliances will activate upon sprinkler water flow, one manual fire alarm box is required in an approved location and automatic fire detection is not required. In multiple suite buildings, one manual fire alarm box is required in each suite.

907.2.4 Group F. A manual and automatic fire alarm system shall be installed in Group F occupancies that are two or more stories in height. ~~and have an occupant load of 500 or more above or below the lowest level of exit discharge.~~

Exception: ~~Manual fire alarm boxes are not required where~~ Where the building is equipped throughout with an automatic sprinkler system and the alarm notification appliances will activate upon sprinkler water flow, one manual fire alarm box is required in an approved location. In multiple suite buildings, one manual fire alarm box is required in each suite.

907.2.7 Group M. A manual and automatic fire alarm system shall be installed in any building greater than 5000 square feet (465 sq. m) containing Group M occupancies, having an occupant load of 500 or more persons or more than 100 persons above or below the lowest level of exit discharge. The initiation of a signal from a manual fire alarm box or automatic detection device shall initiate alarm notification appliances as required by Section 907.10.

Exceptions:

1. A manual fire alarm system is required in covered mall buildings complying with Section 402 of the *International Building Code*.
2. ~~Manual fire alarm boxes are not required where~~ Where the building is equipped throughout with an automatic sprinkler system and the alarm notification appliances will activate upon sprinkler water flow, one manual fire alarm box is required in an approved location and automatic fire detection is not required. In multiple suite buildings, one manual fire alarm box is required in each suite.

~~**907.2.7.1 Occupant notification.** During times that the building is occupied, the initiation of a signal from a manual fire alarm box or from a water flow switch shall not be required to activate the alarm notification appliances when an alarm signal is activated at a constantly attended location from which evacuation instructions shall be initiated over an emergency voice/alarm communication system installed in accordance with Section 907.2.12.2.~~

907.2.24 Group S Occupancies. Group S-1, and S-2 Occupancies of 5,000 sq. ft. (465 sq. m) or greater shall be provided with an approved automatic and manual fire alarm system providing detection throughout the entire building.

Exception:

1. Where the building is equipped throughout with an automatic sprinkler system and the alarm notification appliances will activate upon sprinkler water flow, one manual fire alarm box is required in an approved location and automatic fire detection is not required. In multiple suite buildings, one manual fire alarm box is required in each suite.

2. S-2 occupancies used for self storage where all individual storage units are directly accessed from the exterior.

F. APPENDIX D – FIRE APPARATUS ACCESS ROADS *is amended as follows:*

D103.4 Dead ends. Dead-end fire apparatus access roads in excess of 150 feet (45 720 mm) shall be provided with width and turnaround provisions in accordance with ~~Table D103.4~~ the Supplemental Rules and Regulations established by the Fire Prevention Bureau.

D103.6 Signs

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 ~~Figure D103.6~~ supplemental rules. Signs shall have a minimum dimension of 12 inches (305 mm) wide by 18 inches (457 mm) high and have red letters on a white reflective background. 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.

D103.6.1 Roads ~~20 to 26~~ 30 feet in width. Fire apparatus access roads ~~20 to 26~~ 30 feet wide (6096 to ~~7925~~ 9144 mm) shall be posted on both sides as a fire lane.

D103.6.2 Roads more than ~~26~~ 30 feet in width. Fire apparatus access roads more than ~~26~~ 30 feet wide (7925 mm) to ~~32~~ 34 feet wide (~~9754~~ 10,363 mm) shall be posted on one side of the road as a fire lane.

V. VIOLATIONS, PENALTY:

Failure to comply with the provisions of this Code adopted by the district shall constitute a violation of this Code and shall be punishable pursuant to the provisions of C.R.S. 32-1-1002 (3) (d), as amended.

VI. APPEALS:

If the chief disapproves an application or refuses to grant a permit, or when an applicant claims that the provisions of the Code have been improperly interpreted, the applicant may appeal the decision of the chief pursuant to the terms of Section 108, as amended and C.R.S. 32-1-1002 (3) (c).

VII. SEVERABILITY CLAUSE:

If any part, section, subsection, sentence, clause or phrase of this Code is for any reason held to be invalid, such invalidity shall not affect the validity of the remaining sections of the Code or of such Standards. The District hereby declares that it would have passed the Code and adopted such Standards in each part, section, subsection, sentence, clause or phrase thereof, irrespective of the fact that one or more parts, sections, subsections, sentences, clauses or phrased be declared invalid.

VIII. COPIES ON FILE:

A minimum of three copies of the 2006 International Fire Code and amendments are on file in the business office of the Cunningham Fire Protection District, County of Arapahoe, Colorado, and are available for public inspection.

IX. REPEALER.

All resolutions, or parts thereof, in conflict with this resolution, and all other fire codes previously adopted by or in effect within the District are hereby repealed, providing that such repealer shall not repeal the repealer clause of such resolutions or fire codes nor revive any resolutions or fire codes thereby.

ADOPTED BY THE BOARD OF DIRECTORS OF THE CUNNINGHAM FIRE PROTECTION DISTRICT AT ITS REGULAR BUSINESS MEETING ON THE 24TH DAY OF MAY 2007, TO BECOME EFFECTIVE THE 1ST DAY OF JUNE 2007.

PRESIDENT

Attest:
