

## RESOLUTION No. 2010.16

### A RESOLUTION OF THE BOARD OF DIRECTORS OF THE DIAMOND SPRINGS / EL DORADO FIRE PROTECTION DISTRICT ADOPTING FINDINGS SUPPORTING AMENDMENTS TO THE CALIFORNIA FIRE CODE, 2010 EDITION

**WHEREAS**, the District intends to adopt an ordinance adopting the California Fire Code, 2010 Edition, and prescribing regulations governing conditions hazardous to life, property and the environment from fire, explosion, hazardous materials and hazardous uses; and

**WHEREAS**, the unique local climatic, geological, and topographical conditions existing within the boundaries of the District make it reasonably necessary for the District to impose more stringent requirements than set forth in the California Fire Code and pursuant to California Health and Safety Code sections 13869.7 and 17958.7, the District desires to make express findings to that effect.

**NOW, THEREFORE, BE IT RESOLVED** that the Board of Directors of the Diamond Springs/El Dorado Fire Protection District hereby adopts the following findings concerning current unique local conditions that together make each modification to the California Fire Code, 2010 Edition, reasonably necessary to provide adequate and effective protection of life, property and the environment.

- A. **General.** After due consideration, the Board of Directors of the Diamond Springs/El Dorado Fire Protection District, hereby finds that due to local climatic, geologic and topographic conditions, as stated within this document, there is a need to provide the modifications and changes contained in the adoptive Ordinance of the California Fire Code, 2010 Edition. Such changes are deemed to be reasonably necessary to provide adequate and effective protection of life, property and the environment.

The Diamond Springs/El Dorado Fire Protection District provides fire protection, emergency medical services and specialized rescue services to approximately twenty four thousand people in a 93 square mile area. The District is located on the western slope of El Dorado County. The topography of the District ranges from rolling hills of grass and oak woodland in the west and oak-timber in the steep drainages of the east portion. The weather conditions vary from freezing temperatures with occasional snow in winter, to summer temperatures that regularly exceed 100 degrees.

The District can be divided into three distinct areas: The core area encompasses the townships of Diamond Springs and El Dorado and the Missouri Flat Road corridor. The core area is more urban and contains most of the District's commercial development and potential for major commercial development. The north and south areas typically contain

small subdivisions and isolated residential developments. These areas are characteristic of the suburban or ranch environment. The north and south areas become very isolated and more rural as one moves further away from the core of the District.

The Diamond Springs/El Dorado Fire Protection District is an "all-risk" agency. The District participates in a sophisticated automatic aid program and is dispatched through agreement by the California Department of Forestry and Fire Protection (Cal-Fire), at Camino. The resources of the District will respond to, and deal with, any type of emergency. The term "Fire Protection" in this document is broad and includes responses to fires, smoke and odor investigations, alarms, public assist calls, hazardous materials incidents, medical aid and specialized rescues.

The District has established two, full-time, staffed fire stations and three volunteer fire stations to provide emergency services to the community. Fire Station 49 is located in the unincorporated town of Diamond Springs, at 501 Main Street. Fire Station 46, a volunteer station is located in the unincorporated town of El Dorado, at 6170 Pleasant Valley Road. Fire Station 48, staffed with paramedic/firefighters assigned to an ambulance, is located at 3840 Missouri Flat Road, Placerville, just north of Highway 50. Fire Station 44, a volunteer station, is located in the Logtown area at 6109 Quartz Drive, El Dorado. Fire Station 47, a volunteer station, is located in the Sleepy Hollow subdivision, at 2312 Oakvale Drive, Shingle Springs. The District has 23 full-time, career personnel and 30 volunteer firefighter positions, along with three management and three administrative support positions.

- B. **Climatic.** The Diamond Springs-El Dorado Fire Protection District is located within a foothill region. The District is subject to four seasons, with an annual average snow fall in the winter months of 2 inches, in addition to an average rainfall of 45 inches per year. These adverse weather conditions create severe hazardous road conditions as well as rock slide hazards along the main access roads within, as well as into, the District from the surrounding areas. Due to periods of rainfall, along with repeated road closures, the ability of the Fire Protection District to provide immediate emergency response is often delayed. These same adverse climatic conditions often result in a large number of vehicular accidents that place extreme restraints on the availability of emergency response to perform emergency rescue, first aid, hazardous materials control and fire fighting. The climatic conditions often result in a substantial or total lack of ability of the Fire Protection District to respond immediately to other types of emergency situations that occur. Examples of these emergency situations include structure fires, wildland and forest fires, hazardous materials incidents, emergency medical calls, vehicle accidents and vertical rescues. The mutual aid agreements established with adjoining fire agencies might not be possible due to adverse climatic conditions, restricting or totally blocking access into the District.
- C. **Geological.** The Diamond Springs-El Dorado Fire Protection District is located within moderate activity seismic Zone Three. The seismic, geological conditions present a potential for multiple fires, major breakage of water mains, multiple electrical power failures, multiple collapsed structures and a large number of calls for emergency medical

aid, all of which may occur simultaneously during a seismic event. The water district has numerous water-pumping systems used for fire suppression water delivery, as well as water storage tanks providing water system pressure. Most of the pumping systems are dependent on electrical power for operation. Such electrical power may not be available during a seismic event. Water storage tanks used for the storage of required fire suppression water may also collapse in such an event forcing the additional need to transport water via additional pieces of fire apparatus which will place a significant restraint on the ability of the District to provide the required emergency services.

- D. **Topographical.** The District is primarily composed of areas that are considered by the State fire hazard severity zone mapping system to be of very high fire severity zones and wildland. Much of the District is located within foothill terrain, covered with highly combustible vegetation, including the presence of many coniferous forested areas. The elevation within the District ranges from at 1,000 feet to over 1,800 feet at the highest point. Slope within the District ranges from 0 degrees to 90 degrees. The structures within the areas of foothills terrain have very limited fire access, due to narrow roadways with steep grades and poor road surface conditions. The presence of many existing structures within the very high fire hazard severity zone areas provides for a very high potential of a structure fire spreading into a wildland or forest fire condition as well as the potential for a wildland or forest fire spreading to structures.

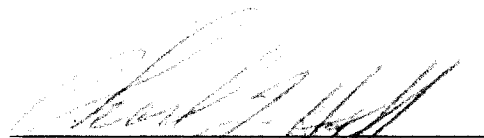
**INTRODUCED** at a regular meeting of the Board of Directors of the Diamond Springs/El Dorado Fire Protection District on October 13, 2010

**PASSED AND ADOPTED** at a regular meeting of the Board of Directors of the Diamond Springs/El Dorado Fire Protection District on October 13, 2010 by the following roll call vote:

AYES: 4


NOES: 0

ABSENT: 1



Charles J. Hoff, Chair  
Diamond Springs/El Dorado  
Fire Protection District  
Board of Directors

ATTEST:



Caroline Falconer, Board Secretary

# Mountain Democrat

PROOF OF PUBLICATION  
(2015.5 C.C.P.)

*File*

## Proof of Publication of PUBLIC NOTICE

STATE OF CALIFORNIA  
County of El Dorado

I am a citizen of the United States and a resident of the County aforesaid; I'm over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am principal clerk of the printer at the Mountain Democrat, 1360 Broadway, a newspaper of general circulation, printed and published Monday, Wednesday, and Friday, in the City of Placerville, County of El Dorado, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court to the County of El Dorado, State of California, under the date of March 7, 1952, Case Number 7258; that the notice, of which the annexed is a printed copy (set in type no smaller than non-pareil), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

**12/17, 12/20**

All in the year 2010

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Dated at Placerville, California, this 20<sup>th</sup> day of  
**DECEMBER, 2010**

*Kirsten Mattox*

Signature

**Notice of Adoption of the 2010 California Fire Code**  
Notice is hereby given that the Diamond Springs-El Dorado Fire Protection District's Board of Directors adopted Ordinance 2010.02, at their regular board meeting on December 8, 2010 at 7pm, adopting the 2010 edition of the California Fire Code, as amended, based upon the 2009 edition of the International Fire Code. The District adopted the following sections and appendices not adopted by the state of California: 101.3, 103.1 thru 103.4.1, 104.1 thru 104.11.3, 106.1, 107.1 thru 107.6, 108.1 thru 108.3, 112, 113.1 thru 113.6.1, 303.1 thru 303.9, 305.1 thru 305.4, 307.1; thru 307.5, 308.1 thru 308.5, 408.1 thru 408.11.3, and Appendix D101, D103.1, D103.4, D103.5, D103.6, D105.1 thru D105.3, D107.1 F, and J, and amended the following sections: 105.6.27, 109.3, 111.4, 113.6, 113.6.1, 507.5.1, 604.1, 903.2, 907.2, 3301.2, 3308.2, 3804.3, 3812.1, 3812.2, 3812.3, 3812.4, 3813.1, Appendix B and Appendix D.  
Ordinance 2010.02 is on file in the main office of the Diamond Springs-El Dorado Fire Protection District and is posted on the District's Web Page.  
12/17, 12/20 02531920

# Mountain Democrat

PROOF OF PUBLICATION  
(2015.5 C.C.P.)

*FILE*

## Proof of Publication of NOTICE OF INTENT

STATE OF CALIFORNIA  
County of El Dorado

I am a citizen of the United States and a resident of the County aforesaid; I'm over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am principal clerk of the printer at the Mountain Democrat, 1360 Broadway, a newspaper of general circulation, printed and published Monday, Wednesday, and Friday, in the City of Placerville, County of El Dorado, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court to the County of El Dorado, State of California, under the date of March 7, 1952, Case Number 7258; that the notice, of which the annexed is a printed copy (set in type no smaller than non-pareil), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

11/22, 11/26

All in the year 2010

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Dated at Placerville, California, this 26<sup>TH</sup>  
day of **NOVEMBER, 2010**

*Kirsten Matto*

Signature

Notice of Intent to Adopt the 2010 California Fire Code  
Notice is hereby given to the intention of the Diamond Springs/El Dorado Fire Protection District ("District") to adopt the 2010 California Fire Code. The District shall hold a public hearing at 7:00 P.M. on the 6th of December, 2010 at 501 Main Street, Diamond Springs, California, regarding the adoption of the 2010 California Fire Code pursuant to Health and Safety Code Section 13869. Copies of the code section referred to and any secondary code sections referred to, adopted by reference, are on file with the Secretary of the District and are open to public inspection. Adoption of the 2010 California Fire Code will enable all District personnel to follow one set of rules and regulations with regard to the health and safety of the public and the District's response thereto.  
02531658

# Mountain Democrat

PROOF OF PUBLICATION  
(2015.5 C.C.P.)

## Proof of Publication of

## PUBLIC NOTICE

STATE OF CALIFORNIA  
County of El Dorado

I am a citizen of the United States and a resident of the County aforesaid; I'm over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am principal clerk of the printer at the Mountain Democrat, 1360 Broadway, a newspaper of general circulation, printed and published Monday, Wednesday, and Friday, in the City of Placerville, County of El Dorado, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court to the County of El Dorado, State of California, under the date of March 7, 1952, Case Number 7258; that the notice, of which the annexed is a printed copy (set in type no smaller than non-pareil), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

**10/25, 10/27**

All in the year 2010

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Dated at Placerville, California, this 27<sup>TH</sup>  
day of **OCTOBER, 2010**

Signature

Notice of Intent to Adopt the 2010 California Fire Code  
Notice is hereby given to the intention of the Diamond Springs/El Dorado Fire Protection District ("District") to adopt the 2010 California Fire Code. The District shall hold a public hearing at 7:00 pm on the 10th of November, 2010, at 501 Main Street, Diamond Springs, California, regarding the adoption of the 2010 California Fire Code pursuant to Health and Safety Code Section 13666. Copies of the code section referred to and any secondary code sections referred to, adopted by reference, are on file with the Secretary of the District and are open to public inspection. Adoption of the 2010 California Fire Code will enable all District personnel to follow one set of rules and regulations with regard to the health and safety of the public and the District's response thereto. The 2010 California Fire Code also facilitated even participation in, and adherence to rules by different Fire Districts who also adopt the same code. At said hearing the Diamond Springs/El Dorado Fire Protection District will consider all comments by interested persons.  
10/25, 10/27 02831482

# Mountain Democrat

PROOF OF PUBLICATION  
(2015.5 C.C.P.)

*File*

## Proof of Publication of PUBLIC NOTICE

STATE OF CALIFORNIA  
County of El Dorado

I am a citizen of the United States and a resident of the County aforesaid; I'm over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am principal clerk of the printer at the Mountain Democrat, 1360 Broadway, a newspaper of general circulation, printed and published Monday, Wednesday, and Friday, in the City of Placerville, County of El Dorado, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court to the County of El Dorado, State of California, under the date of March 7, 1952, Case Number 7258; that the notice, of which the annexed is a printed copy (set in type no smaller than non-pareil), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

12/03, 12/06

All in the year 2010

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Dated at Placerville, California, this 6th day of **DECEMBER, 2010**

*Kirsten Mattos*

Signature

**Notice of Intent to Adopt the 2010 California Fire Code**  
Notice is hereby given to the intention of the Diamond Springs/El Dorado Fire Protection District ("District") to adopt the 2010 California Fire Code. The District shall hold a public hearing at 7:00 P.M. on the 8th of December, 2010 at 501 Main Street, Diamond Springs, California, regarding the adoption of the 2010 California Fire Code pursuant to Health and Safety Code Section 13869. Copies of the code section referred to and any secondary code sections referred to, adopted by reference, are on file with the Secretary of the District and are open to public inspection. Adoption of the 2010 California Fire Code will enable all District personnel to follow one set of rules and regulations with regard to the health and safety of the public and the District's response thereto.  
12/03, 12/06 02531792

ORDINANCE NO. 2010.02  
AN ORDINANCE OF The Diamond Springs- El Dorado Fire Protection District  
"CALIFORNIA FIRE CODE" WITHIN Diamond Springs- El Dorado Fire Protection District

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BE IT ORDAINED BY THE Diamond Springs- El Dorado Fire Protection District AS FOLLOWS:

An ordinance of the Diamond Springs - El Dorado Fire Protection District adopting the 2010 edition of the California Fire Code, based upon the 2009 edition of the International Fire Code, regulating and governing the safeguarding of life and property from 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 in the Diamond Springs - El Dorado Fire Protection District; providing for the issuance of permits and collection of fees therefore; repealing Ordinance No. 2008.01 of the Diamond Springs - El Dorado Fire Protection District and all other ordinances and parts of the ordinances in conflict therewith.

**Section 1: ADOPTION OF CODE:**

**Section 2: CALIFORNIA FIRE CODE, AMENDMENTS:**

**Section 3: ESTABLISHING LIMITS:**

**Section 4: CONFLICT**

**Section 5: SEVERABILITY**

**Section 6: EFFECTIVE DATE AND PUBLICATION:**

**Section 1: ADOPTION OF CODE:**

That a certain document, three (3) copies of which are on file in the office of the Secretary of the Diamond Springs - El Dorado Fire Protection District Board, being marked and designated as the California Fire Code, 2010 edition, in its entirety, and the following International Fire Code Sections and Appendices not adopted by the State of California; 101.3, 103.1 thru 103.4.1, 104.1 thru 104.11.3, 106.1, 107.1 thru 107.6, 108.1 thru 108.3, 112, 113.1 thru 113.6.1, 303.1 thru 303.9, 305.1 thru 305.4, 307.1, thru 307.5, 308.1 thru 308.5, 408.1 thru 408.11.3, and Appendix D101, D103.1, D103.4, D103.5, D103.6, D105.1 thru D105.3, D107.1 F, and J, based on the 2009 edition of the International Fire Code as published by the International Code Council, be and is hereby adopted as the Fire Code of the Diamond Springs - El Dorado Fire Protection District, in the State of California regulating and governing the safeguarding of life and property from 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 as herein provided; providing for the issuance of permits and collection of fees therefore; and each and all of the regulations, provisions, penalties, conditions and terms of said Fire Code on file in the office of the Diamond Springs - El Dorado Fire Protection District are hereby referred to, adopted, and made a part hereof, as if fully set out in this ordinance, with the additions, insertions, deletions and changes, if any, prescribed in Section 2 of this ordinance.



**Section 2: California Fire Code, Chapter 1 Amendments – Scope and Administration:**

**The following Sections are hereby amended:**

**Section 105 - Permits**

**Section 105.6.26 is amended as follows: LP Gas.**

Section 105.6.27 of Chapter 1 of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

**105.6.27 - LP Gas**

1. Storage and use of LP-gas.

**Exception:** A permit is not required for individual containers with a ~~500~~ 100 gallon water capacity or less serving occupancies in Group R-3.

**Section 109 - Violations**

**Section 109.3 is amended as follows: Violation penalties.**

Section 109.3 of Chapter 1 of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is amended to read as follows:

**Section 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 misdemeanor, punishable by a fine of not more than \$1000.00 dollars and/or by imprisonment not exceeding 6 months, or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense. (Health & Safety Code Section 13145 and 17995).

**Section 111 – Stop Work Orders**

**Section 111.4 is amended as follows: Failure to comply.**

Section 111.4 of Chapter 1 of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is amended to read as follows:

**111.4. Failure to comply.** Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than \$500, or not more than \$1,000. (Health & Safety Code Section 13145 and 17995).

**Section 113.6 and 113.6.1 are added as follows: Fees.**

Sections 113.6 and 113.6.1 of Chapter 1 of the Fire Code of the Diamond Springs - El Dorado Fire Protection District are added to read as follows:

**113.6 Permit, Plan Review and Inspection Fees.** A schedule of fees adopted by the Fire District Board of Directors for Plan Review, Inspections and the issuance of Permits by the Fire District may be found in the most current Diamond Springs - El Dorado Fire Protection District fee schedule (Health & Safety Code 17951).

**113.6.1 Cost Recovery Fees.** Fire service fees may be charged to any person, firm, corporation or business that through negligence, violation of the law, or as a result of carelessness, is responsible for the cause of the Fire District to respond to the scene of an incident. A district board may charge a fee to cover the cost of any service which the district provides or the cost of enforcing any regulation for which the fee is charged. (Health and Safety Code 13916). The fee shall not exceed the actual cost of suppressing the fire and /or responding to the scene of an incident.

**California Fire Code, Chapter 5 Amendments – Fire Service Features**

**Section 507 – Fire Protection Water Supplies**

Sections 507.5.1 of Chapter 5 of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is amended to read as follows:

**Section 507.5.1 is amended to read as follows:**

**Section 507.5.1 Where required.** Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more the ~~400~~ 150 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.

**California Fire Code, Chapter 6 Amendments – Building Services and System**

**Section 604 - Emergency and Standby Power Systems**

Sections 604.1 of Chapter 6 of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is amended to read as follows:

**Section 604.1 is amended as follows:**

**Section 604.1 Installations.** Emergency and standby power systems required by this code or the California Building Code shall be installed in accordance with this code, NFPA 110 and NFPA 111. All buildings, other than Agricultural Buildings not used for commercial purpose, with Stand-by power shall have a shunt trip device that disconnects all power sources to the building, approved by the Fire

Code Official. Existing installations shall be maintained in accordance with the original approval.

**California Fire Code, Chapter 9 Amendments – Fire Protection Systems**

**Section 903 – Automatic Sprinkler Systems**

**Section 903.2 is amended to read as follows:**

Section 903.2 of Chapter 9 of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

~~903.2 Where required. Approved automatic sprinkler systems in new buildings and structures shall be provided in the locations described in Sections 903.2.1 through 903.2.12.~~

903.2 Where required. Approved, NFPA 13 automatic sprinkler system shall be required and installed in all buildings or structures, greater than 3600 square feet, when constructed or relocated within the jurisdiction.

**Exceptions:**

1. One and two family dwelling units (R-3 Occupancies).
2. Agricultural buildings not under Special Use Permit used for commercial purposes.

**Sections 903.2.a and 903.2.b are added to read as follows: Status of existing buildings.**

Sections 903.2.a and 903.2.b of Chapter 9 of the Fire Code of the Diamond Springs - El Dorado Fire Protection District are added to read as follows, based on climatic, geological and topographical conditions:

903.2.a Status of existing buildings greater than 3,600 square feet. In existing buildings 3600 square feet or greater, other than one- and two-family dwelling units, and agricultural buildings not under Special Use Permit for commercial purposes, where the floor area of the building or structure is increased by an addition of more than thirty percent (30%) or 1,000 square feet, whichever is less, such building or structure shall be made to conform to Section 903.2.

903.2.b Status of existing buildings less than 3,600 square feet. In existing buildings 3,600 square feet or less, other than one-and two-family dwelling units, and agricultural buildings not under Special Use Permit for commercial purposes, where the floor area of the building or structure is increased to a total square footage over 3,600 square feet, by an addition of more than thirty percent (30%) or 1,000 square feet, whichever is less, such building or structure shall be made to conform to Section 903.2.

**Section 903.2.8 is amended as follows: Group R Occupancies**

Section 903.2.8.1 of Chapter 9 of the Fire Code of the Diamond Springs - El Dorado Fire Protection

District is added to read as follows, based on climatic, geological and topographical conditions:

**Section 903.2.8.1 is added to read as follows:**

Section 903.2.8.1 of Chapter 9 of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

**903.2.8.1 Automatic sprinkler systems installed in Group R, Division 3 occupancies shall conform to the following standards, in addition to NFPA Standard 13D, 2010 edition:**

1. An interior horn/strobe shall be mounted in a central location audible from the master bedroom upon activation of a flow switch mounted/installed at the sprinkler riser.
  - a. Alternative to interior horn/strobe: An acceptable alternative to the interior horn/strobe is to interconnect the flow switch hardwired smoke detectors. Upon activation of the flow switch, all smoke detectors shall sound.
2. All automatic sprinkler systems shall be hydraulically designed and the plans and hydraulic calculations stamped by a California licensed C-16 fire protection contractor or a Professional Engineer.

**The following sections are amended by changing California Fire Code requirements to 3,600 square feet for fire sprinkler installation, as follows (the complete text of the section is not provided):**

<u>903.2.1.1</u>	<u>Group A-1.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.1.2</u>	<u>Group A-2.</u>	<u>Change 5,000 square feet to 3,600 square feet.</u>
<u>903.2.1.3</u>	<u>Group A-3.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.1.4</u>	<u>Group A-4.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.2.1</u>	<u>Group B.</u>	<u>All Group B occupancies over 3,600 square feet.</u>
<u>903.2.3</u>	<u>Group E.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.4</u>	<u>Group F-1.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.7</u>	<u>Group M.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.9</u>	<u>Group S-1.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>
<u>903.2.10</u>	<u>Group S-2.</u>	<u>Change 12,000 square feet to 3,600 square feet.</u>

**Section 907 – Fire Alarm and Detection Systems**

**Sections 907.2.a, 907.2.b, and 907.2.c are added to read as follows:**

Sections 907.2.a, 907.2.b and 907.2.c of Chapter 9 of the Fire Code of the Diamond Springs - El Dorado Fire Protection District are added to read as follows, based on climatic, geological and topographical conditions:

**907.2.a An approved fire alarm/detection system shall be installed in all buildings with a floor area less than 3,600 square feet.**

**Exceptions:**

1. One and two family dwellings (R-3 Occupancies)
2. Agricultural buildings not under Special Use Permit used for commercial purposes.
3. Buildings with a floor area less than 500 square feet may be exempt, as determined by the Fire Chief, based on building construction material and features, location, occupancy type, and distance to exposures.

**907.2.b Status of existing buildings.** In existing buildings without an approved automatic sprinkler system, other than one- or two-family dwelling units, agricultural building not under Special Use permit for commercial purposes where a fire alarm/detection system does not exist and the floor area of the building or structure is increased or modified by more than thirty percent (30%) or 1,000 square feet, whichever is less, such building or structure shall be made to conform to Section 907. Buildings with a floor area less than 500 square fee may be exempt, as determined by the Fire Chief, based on building construction materials and features, location, occupancy type, and distance to exposures.

**907.2.c. Monitoring.** All fire alarm/detection systems shall be connected directly through and monitored by a U.L. approved central, proprietary or remote station service, which gives audible and visual signals at a constantly attended location.

**California Fire Code, Chapter 33 Amendments – Explosives and Fireworks**

**Section 3301.2 is added as follows: Where explosives permits required.**

Section 3301.2 of Chapter 33 of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

**3301.2 – Explosives Permits.** Where explosives permits are required, they shall be issued by the Fire Chief and the El Dorado County Sheriff's Department.

**Section 3308.2 is added as follows: Where fireworks permits required.**

Section 3308.2 of Chapter 33 of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

**3308.2 – Fireworks Permits.** Where fireworks permits are required, they shall be issued by the Fire Chief and the El Dorado County Board of Supervisors.

**California Fire Code, Chapter 38 Amendments – Liquefied Petroleum Gases**

**Table 3804.3 Footnote "d" is amended to read as follows:**

Table 3804.3 Footnote "d" of Chapter 38 of the Fire Code of the Diamond Springs - El Dorado Fire

Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

3804.3 Footnote "d" - 500 gallons becomes 250 gallons. Installation of DOT tanks, with setbacks from structures less than 10 feet, must be approved by the AHJ.

**Section 3812 is added as follows: High Altitude Liquefied Petroleum Gas Installations (4,000' and Above).**

**Section 3812.1 is added as follows: Regulators.**

Section 3812.1 of Chapter 38 of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

**3812.1 Regulators.** Two-stage regulator system shall be installed in accordance with manufacturer requirements.

1. First stage regulator and connecting pigtail shall be installed under a protective valve cover on the tank. The mounting position of the first stage regulator shall be listed for this application.

**Section 3812.2 is added as follows: Vertical Yard Riser Piping.**

Section 3812.2 of Chapter 38 of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

**3812.2 Vertical Riser Piping.**

1. Minimum of Schedule 40-iron piping.
2. Riser shall be within 3 inches horizontally of the tank.
3. Swing joints shall be installed above and below tank level to provide for the tank movement. (Street elbows shall not be used.)
4. A listed flexible riser constructed of copper or stainless steel tubing and protected by a steel covered sheathed material may be used instead of swing joints. The flexible alternative shall provide sufficient slack to allow for tank movement.

**Section 3812.3 is added as follows: Second Stage Regulators.**

Section 3812.3 of Chapter 38 of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

**3812.3 Second Stage Regulators.**

1. The riser and second stage regulator shall be installed on the gable end of the building as close as practical to the building wall.  
Exception: If not feasible due to structural or topographical constraints.
2. The riser shall be equipped with a listed gas shut off valve prior to the second stage regulator.
3. A protective cover shall be installed over the second stage regulator and meter (if

installed) at the building. The minimum design for the protective cover and support structure shall be equal to or greater than the building design load as determined by the Building Department. The support structure shall be securely attached to the building wall or ground surface.

4. Riser piping shall not be embedded in asphalt or concrete.

Exception: If 1 inch of annular clearance is maintained from all side of the piping.

**Section 3812.4 is added as follows: Markings and Locations.**

Section 3812.4 of Chapter 38 of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

**3812.4 Marking and Locations.**

1. An approved sign shall be located directly above the riser shut off valve on the building in a visible location.

2. The liquefied petroleum gas supplier shall affix a weatherproof identification tag to the inside of the tank valve protecting cover. This tag shall contain the supplier's name and emergency telephone number.

3. Tank installation shall be permanently marked by a metal or wood material snow marker, with a minimum dimension of 2 inches by 2 inches. The snow marker shall be of sufficient height to rise above the annual snow depth and shall be a minimum of 10 feet in height. The snow markers shall be painted yellow and located on opposite ends of the tank.

**Section 3813 is added to read as follows: Underground Liquefied Petroleum Gas Tank Installations.**

Section 3813.1 of Chapter 38 of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

**Section 3813.1 is added to read as follows: Permits and Plans.**

3813.1 - Permits and Plans. Permits shall be required and plans shall be submitted for all underground tank installations and approved by the AHJ.

**Appendix B – Fire Flow Requirements for Buildings**

**Section B105 – Fire-Flow Requirements for Buildings:**

**Section B105.1 shall be amended as follows:**

Section B105.1 of Appendix B of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

**Section B105.1 is amended as follows:**

Exception: A reduction in required fire flow of 50 percent, as approved, is allowed when the building

is provided with an approved automatic sprinkler system as long as the reduction in fire flow is not less than 1000 gallons per minute.

**Section B105.2 – Buildings other than one and two family dwellings:**

Section B105.2 of Appendix B of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

**Section B105.2 is amended as follows:**

**Exceptions:**

1. A reduction in required fire flow up to ~~75~~ 50 percent, as approved, is allowed when the building is provided with an approved automatic sprinkler system installed in accordance with Sections 903.3.1.1 or 903.3.1.2. The resulting fire flow shall not be less than 1,500 gallons per minute for the prescribed duration as specified in Table B105.1.

**Appendix D – Fire Apparatus Access Roads**

**Section D103 – Minimum Specifications**

**Section D103.6.1 shall be amended as follows: Roads from 20 to 29 feet in width.**

Section D103.6.1 of Appendix D of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

**D103.6.1 Roads from 20 to 29 feet in width.** Fire apparatus access roads, 20 to 29 feet wide, shall be posted on both sides as a fire lane, with no parking allowed on either side of the roadway.

**Section D103.6.2 shall be amended as follows: Roads from 30 to 35 feet in width.**

Section D103.6.2 of Appendix D of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

**D103.6.2 Roads from 30 to 35 feet in width.** Fire apparatus access roads, 30 to 35 feet wide, shall be posted on one side as No Parking, Fire Lane, with parking allowed only on the opposite side of the roadway.

**Section D103.6.3 shall be added as follows: Roads 36 feet and greater in width.**

Section D103.6.3 of Appendix D of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is added to read as follows, based on climatic, geological and topographical conditions:

**D103.6.3 Roads 36 feet and greater in width.** Fire apparatus access roads, 36 feet and greater in width, may allow parking on both sides of the roadway.



**Section D104 – Commercial and Industrial Developments:**

**Section D104.3 shall be amended to read as follows:**

Section 104.3 of Appendix D of the Fire Code of the Diamond Springs – El Dorado Fire Protection District is amended to read as follows, based on climate, geological and topographical conditions:

**Section D104.3 Remoteness:** Where two access roads are required, they shall be placed a distance apart equal to not less than one half of the length of the maximum overall diagonal dimension of the property or area to be served, measured in a straight line between accesses.

Exception: Fire apparatus roads cannot be installed because of location on property, topography, waterways, nonnegotiable grades or similar condition, and an approved alternative means of fire protection is provided.

**Section D107 - One- or two-family dwelling residential developments**

**Section D107.1 shall be amended to read as follows: One- or two-family dwelling residential developments.**

Section D107.1 of Appendix D of the Fire Code of the Diamond Springs - El Dorado Fire Protection District is amended to read as follows, based on climatic, geological and topographical conditions:

**D107.1 One- or two-family dwelling residential developments:** Developments of one- or two-family dwellings where the number of dwelling units exceed ~~30~~ 25 shall be provided with separate and approved fire apparatus access roads and shall meet the requirements of section D104.3.

Exceptions:

- ~~1. When there are more than 30 dwelling units on a single public or private apparatus access road and all dwelling units are equipped throughout with an approved automatic sprinkler system in accordance with sections 903.3.1.1, 903.3.1.2 or 903.3.1.3, access from two directions shall not be required.~~
- ~~2. The number of dwelling units on a single fire apparatus access road shall be increased unless fire apparatus access roads will connect with future development, as determined by the fire code official.~~

**Section 3. ESTABLISHING LIMITS:**

That the geographic limits referred to in certain sections of the Fire Code of Diamond Springs - El Dorado Fire Protection District are hereby established as follows:

**Section 3204.2.9.6.1 - Geographic limits in which storage of flammable cryogenic fluids in stationary containers is prohibited:**

The limits referred to in Section 3204.2.9.6.1 of the Fire Code of Diamond Springs - El Dorado Fire Protection District in which storage of flammable cryogenic fluids in stationary containers is prohibited are hereby established as the limits of the Diamond Springs - El Dorado Fire Protection District, County of El Dorado.

The storage of flammable cryogenic fluids in stationary containers is allowed in an AHJ approved Commercial, Industrial Zone with a Special/Conditional Use Permit issued by the County of El Dorado.

**Sections 3406.2.4.4 - Geographic limits in which flammable or combustible liquids in above-ground tanks outside of buildings is prohibited:**

The limits, referred to in Sections 3406.2.4.4 of the Fire Code of Diamond Springs - El Dorado Fire Protection District in which the storage of Class I flammable liquids or Class II combustible liquids in above-ground tanks outside of buildings is restricted, are hereby established as the limits of the Diamond Springs-El Dorado Fire Protection District, County of El Dorado.

The storage of Class I flammable liquids or Class II combustible liquids in above-ground tanks outside of buildings is allowed in an AHJ approved Commercial, Industrial Zone with a Special/Conditional Use Permit issued by the County of El Dorado.

**Sections 3506.2 - Geographic limits in which flammable or combustible liquids in above-ground tanks is prohibited:**

The limits, referred to in Sections 3506.2 of the Fire Code of Diamond Springs - El Dorado Fire Protection District in which the storage of Class I flammable liquids or Class II combustible liquids in above-ground tanks is restricted, are hereby established as the limits of the Diamond Springs-El Dorado Fire Protection District, County of El Dorado.

The storage of Class I flammable liquids or Class II combustible liquids in above-ground tanks is allowed in an AHJ approved Commercial, Industrial Zone with a Special/Conditional Use Permit issued by the County of El Dorado.

**Section 3804.2 - Geographic limits in which storage of liquefied petroleum gases is to be restricted for the protection of heavily populated and congested areas:**

The limits, referred to in Section 3804.2 of the California Fire Code, in which storage of liquefied petroleum gas in excess of an aggregate of 2,000 gallons water capacity is restricted, are hereby established as limits of the Diamond Springs - El Dorado Fire Protection District, County of El Dorado.

1. The storage of liquefied petroleum gas in excess of an aggregate of 2,000 gallons water capacity when located at least one-half (1/2) mile from property zoned or designated for residential use and at least one-half (1/2) mile from existing residential development with a density greater than one (1) dwelling unit per acre and at least one-half (1/2) mile from any hotel or motel is allowed when AHJ approved and a Special/Conditional Use Permit is issued by the County of El Dorado.
2. Dispensing within established limits. Within the limits established by law restricting the dispersion 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 2,000 gallons. The dispensing of liquefied petroleum gas in excess of an aggregate of 2,000 gallons water capacity when located at least one-half (1/2) mile from property zoned or designated for residential use and at least one-half (1/2) mile from existing residential development with a density greater than one (1) dwelling unit per acre and at least one-half (1/2) mile from any hotel or motel is allowed when AHJ approved and a Special/Conditional Use Permit is issued by the County of El Dorado.

#### **Section 4: CONFLICT**

That Ordinance No. 2008.01 of the Diamond Springs – El Dorado Fire Protection District, and all other ordinances or parts of ordinances herewith are hereby repealed.

#### **Section 5: SEVERABILITY**

If any Ordinance, article, subsection or subdivision thereof, provision, sentence, clause or phrase of this code, or any application thereof, is for any reason held to be invalid by a court of competent jurisdiction, such decision shall not affect the remaining provisions of this code, which can be given effect without the invalid portions and, therefore, such invalid portions are declared to be severable. The Diamond Springs - El Dorado Fire Protection District hereby declares that it would have enacted this Ordinance and each of its articles, sections, subsections, or subdivisions thereof, provisions, sentences, clauses or phrases irrespective of the fact that one or more of them is declared invalid.

#### **Section 6: EFFECTIVE DATE AND PUBLICATION:**

This Ordinance shall take effect thirty (30) days after its adoption. The Diamond Springs - El Dorado Fire Protection District Board Secretary is directed to publish this ordinance in a newspaper of general circulation in the District. In lieu of publication of the full text of the ordinance, a summary of the ordinance may be published by the Board Secretary within fifteen (15) days after its passage and a certified copy shall be posted in the office of the Diamond Springs - El Dorado Fire Protection District, pursuant to Government Code Section 25124.

The above Ordinance was introduced at a meeting of the Board of Directors of the Diamond Springs - El Dorado Fire Protection District on the 10<sup>th</sup> day of November, 2010 and it was then read for the first time. The Ordinance was read for the second time on the 8<sup>th</sup> day of December, 2010 and approved by the following vote:

PASSED AND ADOPTED by the Board of Directors of the Diamond Springs - El Dorado Fire Protection District this, 8<sup>th</sup> day of December, 2010.


AYES: 3


NOES: 0

ABSENT: 2

ABSTAIN: 0

ATTEST:

  
Caroline Falconer  
Secretary to the Board of Directors

  
Charles Hoff  
President to the Board of Directors