REVISION RECORD FOR THE STATE OF CALIFORNIA

EMERGENCY SUPPLEMENT

January 1, 2011

2007 Title 24, Part 9, California Fire Code

PLEASE NOTE: The date of this supplement is for identification purposes only. See the History Note Appendix for the adoption and effective dates of the provisions.

It is suggested that the section number, as well as the page number be checked when inserting this material and removing the superseded material. In case of doubt, rely on the section numbers rather than the page numbers because the section numbers must run consecutively.

It is further suggested that the superseded material be retained with this revision record sheet so that the prior wording of any section can be easily ascertained.

Please keep the removed pages with this revision page for future reference.

Note

Due to the fact that the application date for a building permit establishes the California Building Standards Code provisions that are effective at the local level, which apply to the plans, specifications, and construction for that permit, it is <u>strongly recommended</u> that the removed pages be retained for historical reference.

Part 9

Remove Existing Pages	Insert Blue Pages
49 and 50	49 and 50
475 and 476	475 through 476
583 and 584	583 and 584

CALIFORNIA FIRE CODE – MATRIX ADOPTION TABLE CHAPTER 5 – FIRE SERVICE FEATURES

			HCD		DSA		OSHPD												
Adopting agency		SFM	1	2	1/AC	AC	SS	1	2	3	4	CSA	DPH	AGR	DWR	CEC	CA	SL	SLC
Adopt entire CA chapter																			
Adopt entire chapter as amended (amended sections listed below)		x																	
Adopt only those sections that are listed below																			
Chapter/Section																			
503.5.2		Х																	
508.3		Х																	
508.5		Х																	
508.5.3		Х																	
509.1		Х																	
510.3		†																	

This state agency does not adopt sections identified with the following symbol: †

ISO Central Secretariat

1, rue de Varembee, Case postale 56 CH-1211 Geneva 20, Switzerland

	<u> </u>	
Standard		Referenced
reference		in code
number	Title	section number
ISO 8115—86	Cotton Bales—Dimensions and Density	

National Electrical Manufacturer's Association

NEMA 1300 N. 17th Street Suite 1847 Rosslyn, VA 22209

Standard		Referenced
reference		in code
number	Title	section number
250—2003	Enclosures for Electrical Equipment (1,000 Volt Maximum)	3705.2

NFPA

ISO

National Fire Protection Association

Batterymarch Park Quincy, MA 02269

Standard		Referenced
reference		in code
number	Title	section number
10—02	Portable Fire Extinguishers	. Table 901.6.1, 906.2, 906.3, Table 906.3(1), Table 906.3(2), 2106.3
11—05	Low-, Medium-, High-expansion Foam	
12—05	Carbon Dioxide Extinguishing Systems	
12A—04	Halon 1301 Fire Extinguishing Systems	
13—10		$\dots Table\ 903.3.1.1,\ 903.3.2,\ 903.3.5.1.1,\ 903.3.5.2,\ 904.11,905.3.4,$
		304.2, Table 2306.2, 2306.9, 2307.2, 2307.2.1, 2308.2.2, 2308.2.2.1,
	2308.4, 2310.1, 2501.1, 2804.	1, 2806.5.7, 3404.3.3.9, Table 3404.3.6.3(7), 3404.3.7.5.1, 3404.3.8.4

NFPA 13, Amended Sections as follows:

Revise Section 7.6.2.2 as follows:

7.6.2.2 Glycerine—water and propylene glycol-water mixtures shown in Table 7.6.2.2 shall be considered suitable for use. *Antifreeze solutions exceeding 50 percent by volume of glycerine-water or 40 percent by volume of propylene glycol-water mixtures shall not be permitted within dwelling unit portions of the sprinkler system.*

Revise Section 7.6.2.3 as follows:

7.6.2.3 If potable water is not connected to sprinklers, the commercially available materials indicated in Table 7.6.2.3 shall be permitted for use in antifreeze solutions. Antifreeze solutions of diethylene glycol-water or ethylene glycol-water mixtures shall not be permitted within dwelling unit portions of the sprinkler system.

Add new Section 7.6.2.5.1 as follows:

7.6.2.5.1 Antifreeze solutions shall be factory premix solutions within dwelling unit portions of the sprinkler system.

*Add a sentence to the beginning of Section 9.3.5.8.9 as follows:

Where pipe is used for sway bracing, it shall have a wall thickness of not less than Schedule 40.

*Replace Section 9.3.5.9.4 as follows:

Lag screws or powder-driven fasteners shall not be used to attach braces to the building structure.

Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and

*NFPA 13D, Amended Sections as follows:

Revise Section 8.3.3.2.3 as follows:

8.3.3.2.3 Percent solution by volume of glycerine-water and propylene glycol-water mixtures shall be in accordance with Table 8.3.3.2.3, Figure 8.3.3.2.3(a), and Figure 8.3.3.2.3(b). Antifreeze solutions exceeding 50 percent by volume of glycerine-water or 40 percent by volume of propylene glycol-water mixtures shall not be permitted within dwelling unit portions of the sprinkler system.

Revise Section 8.3.3.2.5 as follows:

8.3.3.2.5 Percent solution by volume of diethylene glycol-water and ethylene glycol-water shall be in accordance with Table 8.3.3.2.5. Antifreeze solutions of diethylene glycol-water or ethylene glycol-water mixtures shall not be permitted within dwelling unit portions of the sprinkler system.

Add new Section 8.3.3.2.7 as follows:

8.3.3.2.7.1 Antifreeze solutions shall be factory premix solutions.

<

13D-10

REFERENCED STANDARDS

13R—10	Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height as amended*
	*NFPA 13R, Amended Sections as follows: Add new Section 5.4.2.1 as follows:
	5.4.2.1 Antifreeze solutions exceeding 50 percent by volume of glycerine-water or 40 percent by volume of propylene glycol-water mixtures shall not be permitted within dwelling unit portions of the sprinkler system.
	Add new Section 5.4.2.2 as follows:
	5.4.2.2 Antifreeze solutions of diethylene glycol-water or ethylene glycol-water mixtures shall not be permitted within dwelling unit portions of the sprinkler system.
14—07	Installation of Standpipe and Hose Systems, as amended
	*NFPA 14, Amended Sections as follows: Replace Section 6.3.7.1
	6.3.7.1 System water supply valves, isolation control valves, and other valves in fire mains shall be supervised in an approved manner in the open position by one of the following methods:
	(1) Where a building has a fire alarm system or a sprinkler monitoring system installed, the valve shall be supervised by: (a) a central station, proprietary or remote supervising station, or
	(b) a local signaling service that initiates an audible signal at a constantly attended location.
	(2) Where a building does not have a fire alarm system or a sprinkler monitoring system installed, the valve shall be supervised by:
	(a) Locking the valves in the open position, or
	(b) Sealing of valves and an approved weekly recorded inspection where valves are located within fenced enclosures under the control of the owner.
15—01	Water Spray Fixed Systems for Fire Protection
16—03	Installation of Foam-water Sprinkler and Foam-water Spray Systems
17—02	Dry Chemical Extinguishing Systems
17A—02	Wet Chemical Extinguishing Systems
20—03	Installation of Stationary Pumps for Fire Protection
22—03	Water Tanks for Private Fire Protection
24—07	Installation of Private Fire Service Mains and their Appurtenances, as amended
	*NFPA 24, Amended Sections as follows: Amend Section 4.2.1

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NFPA—continued

Section 4.2.1. Installation work shall be done by fully experienced and responsible *contractors*. *Contractors shall be appropriately licensed in the State of California to install private fire service mains and their appurtenances*.

Revise Section 4.2.2 as follows:

4.2.2 Installation or modification of private fire service mains shall not begin until plans are approved and appropriate permits secured from the authority having jurisdiction.

Add Section 4.2.2.1 as follows:

4.2.2.1 As approved by the authority having jurisdiction, emergency repair of existing system may start immediately, with plans being submitted to the authority having jurisdiction within 96 hours from the start of the repair work.

Revise Section 5.9.1.2 as follows:

Section 5.9.1.2 Fire department connections shall be properly supported and protected from mechanical damage.

Revise Section 5.9.5.1 as follows:

5.9.5.1 Fire department connections shall be on the street side of buildings and as approved by the authority having jurisdiction.

Revise Section 10.6.5 as follows:

10.6.5 Where a riser is located close to building foundations, underground fittings of proper design and type shall be used. *The pipe under the building or building foundation shall not contain mechanical joints.*

Exception: Where allowed in accordance with 10.6.2.

Revise Section 10.9.1 as follows:

10.9.1 Backfill shall be well tamped in layers or puddle under and around pipes to prevent settlement or lateral movement. *Backfill shall consist of clean fill sand or pea gravel to a minimum 6" below and to a minimum of 12" above the pipe* and shall contain no ashes, cinders, refuse, organic matter, or other corrosive materials.

25—02	Inspection, Testing and Maintenance of Water-based Fire Protection Systems
30—03	Flammable and Combustible Liquids Code
30A—03	Code for Motor Fuel-dispensing Facilities and Repair Garages
30B—02	Manufacture and Storage of Aerosol Products
31—01	Installation of Oil-burning Equipment
32—04	Dry Cleaning Plants
33—03	Spray Application Using Flammable or Combustible Materials
34—03	Dipping and Coating Processes Using Flammable or Combustible Liquids
35—05	Manufacture of Organic Coatings
37—02	Installation and Use of Stationary Combustion Engines and Gas Turbines
40—01	Storage and Handling of Cellulose Nitrate Film
51—02	Design and Installation of Oxygen-fuel Gas Systems for Welding, Cutting and Allied Processes 2601.5, 2607.1, 2609.1
51A—01	Acetylene Cylinder Charging Plants
52—06	Compressed Natural Gas (CNG) Vehicular Fuel System Code
55—05	Standard for the Storage, Use and Handling of Compressed Gases and Cryogenic Fluids in Portable and Stationery Containers Cylinders and Tanks
57—02	Liquefied Natural Gas (LNG) Vehicular Fuel System Code
58—04	Liquefied Petroleum Gas Code
59A—06	Production, Storage and Handling of Liquefied Natural Gas (LNG)
61—02	Prevention of Fires and Dust Explosions in Agricultural and Food Products Facilities
69—02	Explosion Prevention Systems
72—07	National Fire Alarm Code, as amended*

*NFPA 72, Amended Sections as follows:

- **4.4.4.3.** Transient Protection. To reduce the possibility of damage by induced transients, circuits and equipment shall be property protected in accordance with the requirements of *California Electrical Code*, Article 800.
- **4.4.4.4.** Wiring. The installation of all wiring, cable and equipment shall be in accordance with *California* Electrical Code, and specifically with Article 760, 770 and 800, where applicable. Optical fiber cables shall be protected against mechanical injury in accordance with Article 760.

4.4.5 Protection of Fire Alarm Systems

Delete Exception No. 2:

Exception No. 2: Fully sprinklered buildings shall not require protection in accordance with 4.4.5.

HISTORY NOTE APPENDIX CALIFORNIA FIRE CODE

Title 24, Part 9, California Code of Regulations (CCR)

For prior history, see the History Note Appendix to the California Fire Code 2001 Triennial Edition Published in April 2002 – December 2005, and effective November 1, 2002.

 SFM 04/06 – Adoption of the 2006 edition of the International Fire Code published by the International Code Council, for incorporation into the California Fire Code, CCR, Title 24, Part 9 with amendments for State Fire Marshal regulated occupancies.

This item approved by the Building Standards Commission on January 30, 2007, and effective on January 1, 2008.

DSA-AC 07/06 – Adoption of the 2006 edition of the International Fire Code published by the International Code Council, for incorporation into the California Fire Code, CCR, Title 24, Part 9 with amendments for the Division of the State Architect-Access Compliance regulated occupancies.

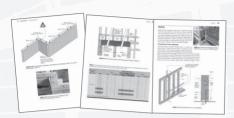
This item approved by the Building Standards Commission on January 30, 2007, and effective on January 1, 2008.

- 3. (SFM EF 02-08) Amend Title 24, Part 9, Chapter 5, Chapter 6, Chapter 9. Approved as an emergency by the California Building Standards Commission on May 21, 2008. Filed with the Secretary of State on May 23, 2008.
- 4. (SFM 01-08) Change without regulatory effect to Section 903. Filed with the Secretary of State on July 14, 2008.
- (SFM 03/07) Amendments to Chapters 2, 6, 8, 9, 10, 22, 23, 27, 34, 45, Appendix Chapter 1 and Appendix Chapter 4; filed with the Secretary of State on September 12, 2008 and effective August 1, 2009. Errata changes to Chapters 9, 34 and 45.
- 6. (SFM EF 02-08) Amend Title 24, Part 9, Chapter 5, Chapter 6, Chapter 9. Re-approved as an emergency by the California Building Standards Commission on September 11, 2008. Approved as permanent by the California Building Standards Commission on October 27, 2008, filed with the Secretary of State on November 3, 2008.
- (SFM 05-08) Change without regulatory effect to bring forward Appendix Chapters III-AA and III-BB from the 2001 California Fire Code as Appendix Chapters BB and CC. Filed with Secretary of State on November 3, 2008.
- 8. (SFM EF 03/10) Amend Chapter 45, Referenced Standards Table for NFPA 13, 13D and 13R. Approved as an emergency by the California Building Standards Commission on October 19, 2010, Filed with the Secretary of State on October 26, 2010.



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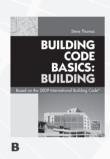
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