REVISION RECORD FOR THE STATE OF CALIFORNIA

EMERGENCY SUPPLEMENT

January 1, 2011

2007 Title 24, Part 2, Volume 2, California Building 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suggested that the section number, as well as the page number be checked when inserting this material and removing the superseded material.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It is further suggested that the superseded material be retained with this revision record sheet so that the prior wording of any section can be easily ascertained.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 that the removed pages be retained for historical reference.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 2, Volume 2

Remove Existing Pages 599 through 600 701 and 702 Insert Blue Pages 599 through 600.2 701 and 702

National Association of Architectural Metal Manufacturers 8 South Michigan Ave Chicago, IL 60603

Standard		Referenced
reference		in code
number	Title	section number
FP1001-97	Guide Specifications for Design of Metal Flag Poles	

NCMA	National Concrete Masonry Association 2302 Horse Pen Road Herndon, VA 22071-3499	
Standard		Referenced
reference		in code
number	Title	section number
TEK 5-84 (1996)	Details for Concrete Masonry Fire Walls	

NFPA	National Fire Protection Association 1 Batterymarch Park Quincy, MA 02269-9101	
Standard	Referenced	
eference	in code	
umber	Title section number	
1-05	Low, <i>Meduim and High</i> Expansion Foam	
2-05	Carbon Dioxide Extinguishing Systems	
2A-04 3-10	Halon 1301 Fire Extinguishing Systems. .904.9 Installation of Sprinkler Systems, as amended* .707.2, 903.2.5.1, 903.2.15, 903.3.1.1, 903.3.2, 903.3.5.1.1, 903.3.5.2, 904.11, 905.3.4, 907.8, 3104.5, 3104.9	
	*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. Anti- freeze 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. <i>Antifreeze solutions of diethylene glycol-water or ethylene glycol-water mixtures shall not be permitted within dwelling unit portions of the sprinkler system.</i>	
	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 then Schedule 40.	
	Replace Section 9.3.5.9.4 as follows:	
	Lag screws or power-driven fasteners shall not be used to attach braces to the building structure.	
13D-10	Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes as amended*	
	*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.	

13R-10	Installation of Sprinkler Systems in Residential Occupancies Up to and Including Four Stories in Height <i>as amended</i> *	
	*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 System, 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 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 24-07	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	
	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 <i>as approved by the authority having jurisdiction</i> .	
	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. <i>The pipe under the building or building foundation shall not contain mechanical joints.</i>	
	<i>Exception:</i> 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. <i>Backfill shall consist of clean fill sand or pea gravel to a minimum 6" below and to a minimum of 12" above the pipe</i> and shall contain no ashes, cinders, refuse, organic matter, or other corrosive materials.	
30-03	Flammable and Combustible Liquids Code	
31-01	Installation of Oil-burning Equipment	
32-04	Dry Cleaning Plants	
37-02	Installation and Use of Stationary Combustion Engines and Gas Turbines	
40-01	Storage and Handling of Cellulose Nitrate Film	
50-01	Bulk Oxygen Systems at Consumer Sites	
52-06 54.05	Compressed Natural Gas (CNG) Vehicular Fuel Systems Code	
54-05 57-02	National Fuel Gas Code	
57-02 58-04	Liquefied Natural Gas (LNG) Vehicular Fuel Systems Code Standard for the Storage and Handling of Liquefied Petroleum Gases	
20.04	Standard Jor the Storage and Handling of Englicited Ferroledith Ouses	

907.2.11.3, 907.2.12.2.3, 907.2.12.3, 907.4, 907.5, 907.9.1,

907.9.1.4, 907.9.2, 907.9.2.1, 907.10, 907.10.1.4, 907.10.1.5, 907.10.2.1,

.7.1.7, 707.7.2, 707.7.2.1, 907.10, 907.10, 10.1.4, 907.10.1.3, 907.10.2.1

907.14, 907.16, 907.17, 911.1, *1007.9*, *1114B.2.2*, 3006.5

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 the *California Electrical Code*, and specifically with Articles 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

*NFPA 72, Amended Sections as follows:

Delete Exception No. 2:

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

5.13.4 The operable part of each manual fire alarm box shall not be less than 1.1 m ($3^{1}/_{2}$ feet) and not more than 1.22 m (4 feet) above floor level.

5.13.8 Additional fire alarm boxes shall be provided so that the travel distance to the nearest fire alarm box shall not be in excess of 61 m (200 feet) measured horizontally on the same floor.

Exception: When individual dwelling units are served by a single exit stairway, additional boxes at other than the ground floor may be omitted.

5.14 Fire Extinguisher Monitoring Device.

A fire extinguisher monitoring device shall indicate those conditions for a specific fire extinguisher required by California Code of Regulations, Title 19, Chapter 1, — Section FE and California Fire Code to a fire alarm control unit or other control unit.

6.4.2.2.2

61-02

72-07

Exception: (4) Where the vertically run conductors are contained in a 2-hour-rated cable assembly, or enclosed (installed) in a 2-hour-rated enclosure or a listed circuit integrity (C.I.) cable, which meets or exceeds a 2-hour fire-resistive rating.

6.8.5.1.2 (Manual Fire Alarm Boxes)

Exception: Fire alarm systems dedicated to elevator recall control, supervisory service and fire sprinkler monitoring only.

6.8.5.4.1 (2) A smoke detector that is continuously subjected to a smoke concentration above alarm threshold does not delay the system within functions of 4.4.3, 6.8.1.1 or 6.16.2.1 by more than *30 seconds*.

6.8.5.4.1 (5) Operation of a patient room smoke detector in Group I-1 and I-2 occupancies shall not include an alarm verification feature.

11.7.2.1 The alarm verification feature shall not be used for household fire warning equipment.

11.7.5.7.1 The alarm verification feature shall not be used for household fire warning equipment.

(Text continues on Page 601.)

HISTORY NOTE APPENDIX CALIFORNIA BUILDING CODE

Title 24, Part 2, California Code of Regulations (CCR)

For prior history, see the History Note Appendix to the California Building Code, 2001 Triennial Edition effective November 1, 2002.

- (BSC 01/06, BSC 06/06, DSA-AC 01/06, DSA-AC 02/06, DSA-SS 01/06, DSA-SS 02/06, HCD 04/06, OSHPD 02/06, OSHPD 03/06, OSHPD 04/06, SFM 05/06) Adoption by reference of the 2006 *International Building Code* with necessary state amendments and repeal of the 1997 edition of the *Uniform Building Code*. Filed with the Secretary of State on February 15, 2007 and effective on January 1, 2008.
- 2. (SFM EF 02/07) Amend Chapter 7A, Section 701A.3.2 to clarify the dates established for State Responsibility Areas as January 1, 2008 and Local Agency Very-High Fire Hazard Severity Zones as July 1, 2008 filed with Secretary of State on September 27, 2007, effective January 1, 2008.
- 3. Erratum to correct editorial errors in Chapter 1, Section 108.2.1.3. Chapter 1, Section 109.1.2.1. Chapter 2, Definitions - Matrix Adoption Table correction. Chapter 4, Section 430 - Article reference change. Chapter 5, Table 503. Chapter 5, Section 507.3. Chapter 11A, Section 1110A.2. Chapter 11A, Figure 11A-9D and 11A-9E out of order. Chapter 11A, Section 1121B.3.1 (8) (a), Chapter 11A, Section 1124A.3.2.1. Chapter 11A, Section 1143A.4. Chapter 11B, Section 1111B, 1115B.3, 1129B.4, 1133B.4.5.3, 1133B.7.1.3 and Figure 11B-11. Chapter 12, Matrix Adoption Table. Chapter 12, Section 1250.1 and 1250.4. Chapter 15, Section 1511.1. Chapter 16A, Section 1614A.1.13. Chapter 17A, Section 1714A.5.2. Chapter 18, Matrix Adoption Tables. Chapter 29, Fixture Table 2902.1. Chapter 31, Section 3109.4.4.2 through 3109.4.4.8. Chapter 31A - Clarify reference to Title 8 for provisions. Chapter 35, NFPA 13-02. Appendix Chapter 1, Section 101.4.2, 101.4.5, 102.6 and 103.3.
- 4. (OSHPD EF 01/07) Amend Chapters 16A, 17A, 18A, 22A, 34 and 34 A to incorporate theASCE 41-06, Seismic Rehabilitation of Existing Buildings as a referenced standard. Repeal FEMA 356, relocate necessary amendments of FEMA 356 into the ASCE 41-06. Amend by adopting the PTI-2004-4th edition. Incorporation of an advisory issued by AISG to require Steel Concentric Braced Frame (SCBF) based on Hollow Structural Steel Sections (HSS).
- 5. (SFM EF 01-08) Amend Title 24, Part 2, Chapters 2, 4, 7, 9 and 27. Approved as an emergency by the California Building Standards Commission on May 21, 2008. Filed with the Secretary of State on May 23, 2008.

- (DSA-AC EF 01-08) Amend Title 24, Part 2, Chapter 11B, Figure 11B-18A, 11B-18-B and 11B-18C, Accessible Parking Stalls. Approved as an emergency by the California Building Standards Commission on May 21, 2008. Filed with Secretary of State on June 4, 2008, effective July 1, 2008.
- 7. (SFM 01-08, 02-08, 03-08, 04-08) Changes without regulatory effect to Sections 310, 445, 704, 903 and 1011. filed with the Secretary of State on July 14, 2008.
- (BSC P 01/08, HCD 02/07, OSHPD 02/07, OSHPD 03/07, SFM 01/07, DSA/AC 01/07, DSA/AC EF 01/08) Amended California Building Code Vol. 1 & 2, California Chapter 1, Chapters 2, 3, 4, 5, 6, 7, 7A, 8, 9, 10, *11A*, *11B*, *11C*, 12, 16, 16A, 17, 19A, 21A, 23, 27, 30, 31A, 34, 35, and Appendix Ch. 1, filed with the Secretary of State on September 12, 2008 and effective August 1, 2009. Errata changes to Index for CBC, California Chapter 1, Chapters 3, 4, 7, 9, 10, 16A, 17, 31A, and 34.
- 9. (CSA 01/06) Amend Chapter 12 (formerly known as Chapter 4A, Section 460A) to add new language to Sections 1230.1.1, 1230.1.5 and 1230.1.10. Approved by the California Building Standards Commission on July 17, 2008. Filed with the Secretary of State on October 21, 2008 and effective 180 days after publication.
- (SFM EF 01-08) Amend Title 24, Part 2, Chapters 2, 4, 7,9 and 27. 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.
- 11. (SFM EF 01/10) Amend Chapter 35, 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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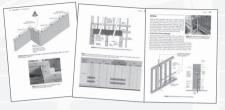
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