

**EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
OFFICE OF THE STATE FIRE MARSHAL (SFM)
REGARDING THE ADOPTION BY REFERENCE OF THE
2006 EDITION OF THE UNIFORM PLUMBING CODE (UPC)
INTO THE CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 5.**

Legend for Express Terms:

1. California amendments brought forward without modification: *All such language appears in Italics.*
 2. California amendments brought forward with modification: *All such language appears in Italics, modified language is underlined.*
 3. New UPC language with new California amendment: UPC language is shown in normal Arial 9 pt. California amendments to UPC text appear underlined and in italics.
 4. New California amendment: California language appears underlined and in Italics.
 5. Repealed Text: Shown as ~~Strikeout~~.
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CHAPTER 1 General Regulations

101.0 Title, Scope and General

101.1 Title

101.1.1 [For AGR, BOC, BSC, CA, DHS, DWR, DSA/AC, DSA/SS, and OSHPD 1, 2, 3 & 4, SFM] *This document shall be known as the "California Plumbing Code." The provisions contained in the California Plumbing Code of the (compiled) California Building Standards Code as defined in Section 18910, Health and Safety Code, may be cited as such and are referred to hereafter as "these regulations", "these plumbing standards" or "this code".*

101.2 Purpose

101.2.2 [For AGR, BOC, BSC, CA, DHS, DWR, DSA/AC, DSA/SS, HCD 1 & HCD 2, OSHPD 1,2, 3 & 4, SFM] **California Purpose.** *To provide minimum standards to safeguard life or limb, health, property and public welfare, and protect against hazards that may arise from the use of plumbing piping and systems by regulating and controlling the design, construction, installation, quality of materials, location and operation of plumbing piping systems within the State of California.*

101.4 Scope

101.4.0 [For AGR, BOC, BSC, CA, DHS, DWR, DSA/AC, DSA/SS, HCD 1 & HCD 2, OSHPD 1, 2, 3 & 4, SFM] **Application.** *The provisions of this code shall apply to the construction, alteration, moving, demolition, repair and use of all plumbing, gas, or drainage piping and systems or water heating or treating equipment in or on any building or structure or outdoors on any premises or property.*

101.4.1 *The provisions of this Code shall apply to the erection, installation, alteration, repair, relocation, replacement, addition to, use or maintenance of plumbing systems within this jurisdiction.*

101.4.1.4.1 [For SFM] Conflicts Between Codes When the requirements of this code conflict with the requirements of the California Mechanical Code, Title 24, Part 4, the California Mechanical Code shall prevail.

101.4.2 Additions, alterations, repairs and replacement of plumbing systems shall comply with the provisions for new systems except as otherwise provided in Section 101.5.

101.4.4 [For AGR, BOC, BSC, CA, DHS, DWR, DSA/AC, DSA/SS, HCD 1 & HCD 2, OSHPD 1, 2, 3 & 4, SFM] Effective Date. One hundred and eighty days after the date of publication, or as otherwise noted herein.

101.4.4.1 [For AGR, BOC, BSC, CA DHS, DWR, DSA/AC, DSA/SS, HCD 1 & HCD 2, OSHPD 1, 2, 3 & 4, SFM] The applicable subsection of Health and Safety Code Section 18938 is repeated here for clarity and reads as follows: **Section 18938 (b)** The building standards contained in the Uniform Fire Code of the International Conference of Building Officials and the Western Fire Chiefs Association, Inc., the Uniform Building Code of the International Conference of Building Officials, Appendix Chapter 1 of the Uniform Code for Building Conservation of the International Conference Building Officials, the Uniform Plumbing Code of the International Association of Plumbing and Mechanical Officials, the National Electrical Code of the National Fire Protection Association, and Uniform Mechanical Code of the International Conference of Building Officials and the International Association of Plumbing and Mechanical Officials, as referenced in the California Building Standards Code, shall apply to all occupancies throughout the state and shall become effective 180 days after publication in the California Building Standards Code by the California Building Standards Commission or at a later date after publication established by the commission

101.4.4.2 [For AGR, BOC, BSC, CA DHS, DWR, DSA/AC, DSA/SS, HCD 1 & HCD 2, and OSHPD 1, 2, 3 & 4, SFM] The provisions of the model code which are adopted in this code are applicable to all occupancy groups and uses regulated by this code. The amendments to the model code are applicable only to those occupancies or uses which testate agency adopting the amendments is authorized to regulate as listed in Section 101.11.

101.6 [For AGR, BOC, BSC, CA DHS, DWR, DSA/AC, DSA/SS, HCD 1 & HCD 2, OSHPD 1, 2, 3 & 4, SFM] Non-Building Regulations. Requirements contained in the U.P.C., or in another referenced standard, code, or document which are not building standards as defined in Section 18909, Health and Safety Code, shall not be construed as part of the provisions of this code.

101.7 [For AGR, BOC, BSC, CA, DHS, DWR, DSA/AC, DSA/SS, HCD 1 & HCD 2, OSHPD 1, 2, 3 & 4, SFM] Order of Precedence. Where, in a specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern. When there is a conflict between a general and a specific requirement, the specific requirement shall apply.

101.8 [For AGR, BOC, BSC, CA, DHS, DWR, DSA/AC, DSA/SS, HCD 1 & HCD 2, OSHPD 1, 2, 3 & 4, SFM] Format. This part fundamentally adopts the U.P.C. by reference on a chapter-by chapter basis. Such adoption is reflected in the adoption tables of each chapter of this part. When the adoption table of a chapter of this part makes no reference to a specific chapter of the U.P.C. is not adopted as a portion of this code.

101.9 [For AGR, BOC, BSC, CA, DHS, DWR, DSA/AC, DSA/SS, HCD 1 & HCD 2, OSHPD 1, 2, 3 & 4, SFM] Validity. If any chapter, section, subsection, sentence, clause or phrase of this code is for any reason held to be unconstitutional, contrary to statute, exceeding the authority of the State as stipulated by statutes, or otherwise inoperative, such decision shall not affect the validity of the remaining portion of this code.

101.10 Standard Reference Documents
101.10.1 [For AGR, BOC, BSC, CA, DHS, DWR, DSA/AC, DSA/SS, HCD 1 & 2, OSHPD, SFM] The codes, standards and publications, adopted and set forth in this code, including other codes, standards and publications referred to therein, by title and date of publication, are hereby adopted as standard reference documents of this code.

101.10.2 [For AGR, BOC, BSC, CA, DHS, HCD 1, HCD 1/AC, HCD 2 & HCD/SFM, DWR, DSA/AC, DSA/SS, OSHPD 1, 2, 3 & 4, SFM] When this code does not specifically cover any subject relating to building design and construction, recognized fire-prevention engineering practices shall be employed. The National Fire Codes and the Fire Protection Handbook of the National Fire Protection Association may be used as authoritative guides in determining recognized fire-prevention engineering practices.

101.11 [For AGR, BOC, BSC, CA, DHS, HCD 1, HCD 1/AC & HCD 2/SFM, DWR, DSA/AC, DSA/SS, OSHPD 1, 2, 3 & 4, SFM] Application-Vesting Authority. When adopted by a State agency, the provisions of this code shall be enforced by the appropriate enforcing agency, but only to the extent of authority granted to that agency by testate Legislature. Following is a list of the state agencies that adopt building standards, the specific scope of application of the agency responsible for

enforcement, and the specific authority of each agency to adopt and enforce these provisions of building standards of this code, unless otherwise stated.

101.11.13 [For SFM] SFM – Office of the State Fire Marshal.

Application-Any building or structure used or intended for use as an asylum, jail, mental hospital, hospital, sanitarium, home for the aged, children’s nursery, children’s home, school or any similar occupancy of any capacity.

Any theater, dance hall, skating rink, auditorium, assembly hall, meeting hall, nightclub, air building, or similar place of assemblage where 50 or more persons may gather together in a building, room or structure for the purpose of amusement, entertainment, instruction, deliberation, worship, drinking or dining, awaiting transportation, or education.

Authority Cited-H&SC § 13143.

Application-Small Family Day-care Homes.

Authority Cited-H&SC § 1597.45, 1597.54, 13143and 17921.

Application-Large Family Day-care Homes. Authority Cited-H&SC § 1597.46, 1597.54, and17921.

Application-Residential Facilities and Residential Facilities for the Elderly.

Authority Cited-H&SC § 13113, 13131.5 & 13133.

Application-Any state institution or other state owned or state-occupied building.

Authority Cited-H&SC §13108.Application-High-rise Structures.

Authority Cited-H&SC § 13211.Motion Picture Production Studios

Authority Cited-H&SC §13143.1.

Application-Organized Camps. Authority Cited-H&SC § 18897.3.

Application-All hotels, motels lodging houses, apartment houses and dwellings, including congregate residences and buildings and structures accessory thereto.

Multiple-story structures existing on January 1,1975, let for human habitation, including and limited to, hotels motels, apartment houses, less than 75 feet(22 860 mm) above the lowest floor level having building access, wherein rooms used for sleeping armlet above the ground floor.

Authority Cited-H&SC § 13143.2 and 17921.

Application-Certified family-care homes, out-of-home placement facilities, halfway houses, drug and/or alcohol rehabilitation facilities and any building or structure used or intended for use as a home or institution for the housing of any person of any age when such person is referred to or placed within such home or institution for any age when such person is referred to or placed within such home or institution for protective social care and supervision services by any governmental agency.

Authority Cited-H&SC §13143.6.

Application-Tents, awnings or other fabric enclosures used in connection with any occupancy.

Authority Cited-H&SC § 13116.Fire alarm devices, equipment and systems in connection with any occupancy.

Authority Cited-H&SC § 13114.Hazardous materials

Authority Cited-H&SC § 13143.9.Flammable and combustible liquids

Authority Cited-H&SC § 13143.6

Enforcing Agency-The responsibility for enforcement of building standards adopted by the state fire marshal and published in the California Building Standards Code relating to fire and panic safety another regulations of the Office of the State Fire Marshal shall be as follows:

- 1. The city, county, or city and county with jurisdiction in the area affected by the standard or regulation shall delegate the enforcement of the building standards relating to fire and panic safety and other regulations of the state fire marshal as they relate to Group R, Division 3 dwellings to either of the following:*
 - 1.1 The chief of the fire authority of the city, county or city and county, or an authorized representative.*
 - 1.2 The chief building official of the city, county, or city and county, or an authorized representative.*
- 2. The chief of any city or county fire department or of any fire-protection district, and authorized representatives, shall enforce within the jurisdiction the building standards and other regulations of testate marshal, except those described in Items 1 and 4.*
- 3. The state fire marshal shall have authority to enforce the building standards and other regulations of the state fire marshal in areas outside of corporate cities and districts providing fire-protection services.*
- 4. The state fire marshal shall have authority to enforce the building standards and other regulations of the state fire marshal in corporate cities and districts providing fire-protection services on requestor the chief fire official or the governing body.*
- 5. Any fee charged pursuant to the enforcement authority of this section shall not exceed the estimatedreasonable3 cost of providing the service for which the fee is charged pursuant to § 66014 of the Government Code.*

101.14 [For HCD 1 & HCD 2] Ratification by City Council.

The applicable subsections of Health and Safety Code Section 13869.7 are repeated here for clarity and reads follows:

Section 13869.7. (a) Any fire-protection district organized pursuant to Part 2.7 (commencing with Section 13800) of Division 12 may adopt building standards relating to fire and panic safety that are more stringent than those building standards adopted by the State Fire Marshal and contained in the California Building Standards Code. For these purposes, the district board shall be deemed legislative body and the district shall be deemed local agency. Any changes or modifications that are more stringent than the requirements published in the California Building Standards Code relating to fire and panic safety shall be subject to subdivision(b) of Section 18941.5.

(b) Any fire protection district that proposes to adopt an ordinance pursuant to this section shall, not less than 30 days prior to noticing a proposed ordinance for public hearing, provide a copy of that ordinance, together with the adopted findings made pursuant to subdivision (a), to the city, county, or city and county where the ordinance apply. The city, county, or city and county, may provide the district with written comments, which shall become a part of the fire protection district's public hearing record.

(c) The fire-protection district shall transmit the adopted ordinance to the city, county, or city and county where the ordinance will apply. The legislative body of the city, county, or city and county, may ratify, modify or deny an adopted ordinance and transmit its determination to the district within 15 days of the determination. Any modification or denial of an adopted ordinance shall include a written statement describing the reasons for modification or denial. No ordinance adopted by district shall be effective until ratification by the city, county, or city and county where the ordinance applies. Upon ratification of an adopted ordinance, the city, county, or city and county, shall file a copy of the findings of the city, county, or city and county, together with the adopted ordinance expressly marked and identified to which each finding refers, with the Department of Housing and Community Development.

102.2 Duties and Powers of the Administrative Authority
10 2. 2. 1 The Administrative Authority may appoint such assistants, deputies, inspectors, or other employees as are necessary to carry out the functions of the department and this Code.

102.2.1.1 [For SFM] Pursuant to Health and Safety Code Section 13146, the responsibility for enforcement of building standards adopted by testate fire marshal and published in the California Building Standards Code relating to fire and panic safety and other regulations of the state fire marshal shall be as follows:

1. The same agency or entity to whom authority to enforce building standards not related to fire and panic safety is delegated by the city, county, or city and county with jurisdiction the area affected by the building standard shall enforce within its jurisdiction the building standards and other regulations of testate fire marshal as they relate to Group R, Division3 Occupancies, as defined in Section 310 of Part 2 of the California Building Standards Code.
2. The chief of any city or county fire department roof any fire district, and his or her authorized representatives, shall enforce within its jurisdiction the building standards and other regulations of testate fire marshal, except those described in Section108.1 or 108.4.
3. The state fire marshal shall have authority to enforce such building standards and other regulations of the state fire marshal in areas outside of corporate cities and districts providing fire-protection services.
4. The state fire marshal shall have authority to enforce such building standards and other regulations of the state fire marshal in areas outside of corporate cities and districts providing fire-protection services upon request of the chief fire official or the governing body.
5. Upon the written request of the chief fire official of any city, county or fire-protection district, the state fire marshal may authorize d such chief fire official and his or her authorized representatives, in their geographical area of responsibility, to make fire prevention inspections of state-owned or state occupied buildings, other than state institutions, forth purpose of enforcing the regulations relating to fire and panic safety adopted by the state fire marshal pursuant to this section and building standards relating to fire and panic safety published in the State Building Standards Code. Authorization from testate fire marshal shall be limited to those fire departments or fire districts which maintain a fire prevention bureau staffed by paid personnel.

Any requirement or order made by any chief fire official pursuant to this section may be appealed tithe state fire marshal. The state fire marshal shall, upon receiving an appeal and subject to the provisions of Chapter 5 (commencing with Section18945) of Part 2.5 of Division 13 of the Health and Safety Code, determine if the requirement or order made is reasonably consistent with the fire and panic safety regulations adopted by the Office of the State Fire Marshal and building standards relating to fire and panic safety published in the California Plumbing Code.

102.2.2.1 [For SFM] The fire chief of any city, county or fire-protection district, or such person's authorized representative, may enter any state institution or any other state-owned or state-occupied building for the purpose of preparing a fire suppression preplanning program or for the purpose of investigating any fire in a state-occupied building.

The state fire marshal, his or her deputies or salaried assistants, the chief or any city or county fire department or fire protection district and his or her authorized representatives may enter any building or premises not used for dwelling purposes at any reasonable hour for the purpose of enforcing this chapter. The owner, lessee, manager or operator of any such building or premises shall permit the state fire marshal, his or her deputies or salaried assistants and the chief of any city or county fire department or fire-protection district and his or her authorized representatives to enter and inspect them at the time and for the purpose stated in this section.

103.3.2.2 [For HCD 1 & SFM] Retention of Plans Note: Refer to Building Standards Law, Health and Safety Code Sections 19850 and 19851, for permanent retention of plans. For plan checking of related "Employee Housing", as defined in HSC 17008, refer also to HSC 17021 (b) [Effective January 1, 2001].

103.4.6 [For SFM] Other Fees. Pursuant to Health and Safety Code Section 13146.2, a city, county or district which inspects a hotel, motel, lodging house, or apartment house may charge and collect a fee for the inspection from the owner of the structure in an amount, as determined by the city, county or district, sufficient to pay its costs of than inspection.

Pursuant to Health and Safety Code Section 1597.46, Large Family Day-care Homes, the local government shall process any required permit as economically as possible, and fees charged for review shall not exceed the costs or the review and permit process.

Pursuant to Health and Safety Code Section 13217, High-rise Structure Inspection: Fees and Costs, a local agency which inspects a high-rise structure pursuant to health and Safety Code Section 13217 may charge and collect a fee for the inspection from the owner of the high-rise structure in an amount, as determined by the local agency, sufficient to pay its costs of the inspection.

Pursuant to Health and Safety Code Section 13235, Fire Clearance Reinsertion, fee: upon receipt of a request from a prospective licensee of community care facility, as defined in Section 1502, of a residential-care facility for the elderly, as defined in Section 1569.2, or of a child day-care facility, as defined in Section 1596.750, the local fire enforcing agency, as defined in Section 13244, or state fire marshal, whichever has primary jurisdiction, shall conduct a reinsertion of the facility prior to the final fire clearance approval. At the time of the reinsertion, the primary fire enforcing agency shall price consultation and interpretation of the fire safety regulations, and shall notify the prospective licensee of the facility in writing of the specific fire safety regulations which shall be enforced in order to obtain fire clearance approval. A fee of not more than \$50.00 may be charged for the reinsertion of a facility withal capacity to serve 25 or fewer persons. A Fee of not more than \$100.00 may be charged for a reinsertion of a facility with a capacity to serve 26 or more persons.

The primary fire enforcing agency shall complete the final fire clearance inspection for a community care facility, residential-care facility for the elderly, or child day-care facility within 30 days of receipt of the requestor the final pre censure inspection by the State Department of Social Services, whichever is later.

103.4.7 [For SFM] Whenever a local authority having jurisdiction requests that the state fire marshal perform plan+ review and /or inspection services related to a building permit, the applicable fees for such shall be payable to the Office of the State Fire Marshal.

103.9 [For SFM] Certification of Occupancy

103.9.1 Use and Occupancy. No building or structure shall used or occupied, and no changes in the existing occupancy classification of a building or structure or portion thereof shall be made until the building official has issued a Certification of Occupancy therefore as provided herein.

Exception: Group R, Division 3 and Group M Occupancies

Issuance of a Certification of Occupancy shall not be constructed as an approval of a violation of the provisions of this code or of other ordinances of this jurisdiction. Certificates presuming to give authority to violate or cancel the provisions of this code or other ordinances of the jurisdiction shall not be valid.

103.9.2 Change in Use. Changes in the character rouse of a building shall not be made except as specified inspection 3405 of the Uniform Building Code.

103.9.3 Certificate Issued. After the building official inspects the building or structure in accordance with Section 104.2 of the Uniform Building Code, and finds no violation of the provisions of this code or other laws which are enforced by the code enforcement agency, the building official shall issue a Certification of Occupancy which shall contain the following:

1. The building permit
2. The address of the building
3. The name and address of the owner
4. A description of that portion of the building for which the certificate is issued
5. A statement that the described portion of the building has been inspected for compliance with the requirements of the California Building Standards Code for the group and division of the occupancy and the use for which the proposed occupancy is classified.
6. The name of the building official.

103.9.4 Temporary Certificate. *If the building official finds that no substantial hazard will result from occupancy or any building or portion thereof before the same is completed, a temporary Certificate of Occupancy may be issued for the use of a portion or portions of a building or structure prior to the completion of the entire building or structure.*

103.9.5 Posting. *The Certificate of Occupancy shall be posted in a conspicuous place on the premises and shall not be removed except by the building official.*

Notation

Authority: Health and Safety Code Sections 13143, 17921, 18949

References: Health and Safety Code Sections 13143

Notation

Authority: Health and Safety Code Sections 18949.2, 17921, 18949

Reference: Health and Safety Code Section 18949.2

**CHAPTER 2
DEFINITIONS**

(Note: Adopt only those sections listed below.)

223.0

U.P.C. ~~For SFM~~ *For applications listed in section 111 regulated by the Office of the State Fire Marshal, the latest edition of the Uniform Plumbing Code, published by the International Association of Plumbing and Mechanical Officials.*

Authority: Health and Safety Code Sections 13143, 17921, 18949

References: Health and Safety Code Sections **13143**

Notation

Authority: Health and Safety Code Sections 18949.2, 17921, 18949

Reference: Health and Safety Code Section 18949.2

**CHAPTER 3
GENERAL REGULATIONS**

(Note: Adopt only those sections listed below.)

311.11 ~~For SFM~~ For applications listed in section 111 regulated by the Office of the State Fire Marshal, plastic piping shall not be exposed as a portion of the interior room finish in a building or structure if the piping has a flame-spread rating exceeding 75 when tested in accordance with ASTM E 84-77a, "Test for Surface Burning Characteristics of Building Materials."

Authority: Health and Safety Code Sections 13143, 17921, 18949
References: Health and Safety Code Sections **13143**

CHAPTER 4 PLUMBING FIXTURES AND FIXTURE FITTINGS

(Note: This chapter is not adopted.)

Authority: Health and Safety Code Sections 13143, 17921, 18949
References: Health and Safety Code Sections **13143**

CHAPTER 5 WATER HEATERS

(Note: Adopt entire chapter as amended.)

THIS SHOULD JUST BE DONE AS A FULL STATE AMENDMENT REGARDLESS OF WHICH AGENCY ADOPTS

~~**508.2** In seismic design categories C, D, E, and F, water heaters shall be anchored or strapped to resist horizontal displacement due to earthquake motion. Strapping shall be at points within the upper one third (1/3) and lower one third (1/3) of its vertical dimensions. At the lower point, a minimum distance of four (4) inches (102 mm) shall be maintained above the controls with the strapping.~~

508.2 Protection from Seismic Damage. Water heaters shall be anchored or strapped to resist horizontal displacement due to earthquake motion. Strapping shall be at points within the upper one third (1/3) and lower one-third (1/3) of its vertical dimensions. At the lower point, a minimum distance of four (4) inches (102 mm) shall be maintained above the controls with the strapping.

Note: The applicable subsection of Health and Safety Code Section 19211(a) which addresses new, replacement, and existing water heaters is repeated here for clarity and reads as follows:

Section 19211(a) Notwithstanding Section 19100, all new and replacement water heaters, and all existing residential water heaters shall be braced, anchored, or strapped to resist falling or horizontal displacement due to earthquake motion. At a minimum, any water heater shall be secured in accordance with the California Plumbing Code, or modifications made thereto by a city county, or city and county pursuant to Section 17958.5.

Authority: H & S Code 1597.46, 13211, 13143, 13143.6
Reference: H & S Code 17921, 13143

CHAPTER 6 WATER SUPPLY AND DISTRIBUTION

(Note: Adopt only those sections listed below.)

603.4.18 603.4.16 Protection from Fire Systems

Note: *Fire Protection Systems has not been adopted by the State Fire Marshal. This section cannot be adopted or enforced pursuant to California Health and Safety Code 13114.7 (a), which is being cited for reference.*

California Health and Safety Code 13114.7 (a) For the purposes of this section the following are definitions of class I and class II systems;

(1) American Water Works Association (A.W.W.A.) Manual No. M-14 class 1—Automatic fire sprinkler systems with direct connection from public water mains only; no pumps, tanks, or reservoirs; no physical connection from other water supplies; no antifreeze or additives of any kind; and all sprinkler drains discharging to the atmosphere or other safe outlets.

(2) American Water Works Association (A.W.W.A.) Manual No. M-14 class 2 –Automatic fire sprinkler systems which are the same as class 1, except that booster pumps may be installed in the connections from the street mains.

(b)Automatic fire sprinkler systems described in subdivision (a) shall not require any backflow protection equipment at the service connection other than required by standards for those systems contained in the publication of the National Fire Protection Association entitled "Installation of Sprinkler Systems" (N.F.P.A Pamphlet No. 13, 1980 edition).

Notation

Authority: H & S Code 13114.7, 13143

Reference: H & S Code 17921, 13143

**CHAPTER 7
SANITARY DRAINAGE**

(Note: This chapter is not adopted.)

Notation

Authority: Health and Safety Code Sections 13143, 17921, 18949

References: Health and Safety Code Sections 13143

**CHAPTER 8
INDIRECT WASTES**

(Note: This chapter is not adopted.)

Notation

Authority: Health and Safety Code Sections 13143, 17921, 18949

References: Health and Safety Code Sections 13143

**CHAPTER 9
VENTS**

(Note: This chapter is not adopted.)

Notation

Authority: Health and Safety Code Sections 13143, 17921, 18949
References: Health and Safety Code Sections 13143

CHAPTER 10 TRAPS AND INTERCEPTORS

(Note: This chapter is not adopted.)

Notation

Authority: Health and Safety Code Sections 13143, 17921, 18949
References: Health and Safety Code Sections 13143

CHAPTER 11 STORM DRAINAGE

(Note: This chapter is not adopted.)

Notation

Authority: Health and Safety Code Sections 13143, 17921, 18949
References: Health and Safety Code Sections 13143

CHAPTER 12 FUEL PIPING

(Note: Adopt entire chapter as amended below.)

1211.13.5 Installation of Gas-Mixing Machines.

(A) The machine shall be located in a large, well-ventilated area or in a small detached building or cutoff room provided with room construction and explosion vents in accordance with sound engineering principles. Such rooms or belowgrade installations shall have adequate positive ventilation.

(B) Where gas-mixing machines are installed in well-ventilated areas, the type of electrical equipment shall be in accordance with ~~NFPA 70, National Electrical Code~~ California Electrical Code, for general service conditions unless other hazards in the area prevail. Where gas-mixing machines are installed in small detached buildings or cutoff rooms, the electrical equipment and wiring shall be installed in accordance with ~~NFPA 70, National Electrical Code~~ California Electrical Code, for hazardous locations (Articles 500 and 501, Class I, Division 2).

(C) Air intakes for gas-mixing machines using compressors or blowers shall be taken from outdoors whenever practical.

(D) Controls for gas-mixing machines shall include interlocks and a safety shutoff valve of the manual reset type in the gas supply connection to each machine arranged to automatically shut off the gas supply in the event of high or low gas pressure. Except for open burner installations only, the controls shall be interlocked so that the blower or compressor will stop operating following a gas supply failure. Where a system employs pressurized air, means shall be provided to shut off the gas supply in the event of air failure.

(E) Centrifugal gas-mixing machines in parallel shall be reviewed by the user and equipment manufacturer before installation, and means or plans for minimizing these effects of downstream pulsation and equipment overload shall be prepared and utilized as needed.

1211.16 Electrical Connections.

(A) All electrical connections between wiring and electrically operated control devices in a piping system shall conform to the requirements of ~~NFPA 70, National Electrical Code~~ California Electrical Code.

(B) Any essential safety control depending on electric current as the operating medium shall be of a type that will shut off (fail safe) the flow of gas in the event of current failure. [NFPA 54: 7.15.2]

Notation

Authority: H & S Codes 18928(a), 13143.9

Reference: H& S Code 18928(a)

CHAPTER 13

HEALTH CARE FACILITIES AND MEDICAL GAS AND VACUUM SYSTEMS

(Note: Adopt entire chapter as amended below.)

2001 CPC language

1301.0 General

This chapter applies to special fixtures and systems that occur in health care facilities **[For SFM]** except those regulated by the Office of Statewide Health Planning and Development (OSHPD), and to the special plumbing requirements in such facilities. **[For OSHPD 1, 2, 3 & 4]** Medical gas systems for health care facilities that are regulated by OSHPD (hospitals, skilled nursing and intermediate care facilities, licensed clinics, and correctional treatment centers) shall be in accordance with NFPA 99, 1999 edition. See California Building Code Chapter 420A for location and number of outlets. Other plumbing in such facilities shall comply with the other applicable sections of this Code.

2006 UPC Language

1301.0 Application

1301.1 Construction and equipment requirements shall be applied only to new construction and new equipment, except as modified in individual chapters. Only the altered, renovated, or modernized portion of an existing system or individual component shall be required to meet the installation and equipment requirements stated in this standard. If the alteration, renovation, or modernization adversely impacts existing performance requirements of a system or component, additional upgrading shall be required. (NFPA 99 1.3.2)

1301.2 This chapter applies to the special fixtures and systems in health care facilities and to the special plumbing requirements for such facilities. Other plumbing in such facilities shall comply with other applicable sections of the Code.

CHAPTER 14

MANDATORY REFERENCED STANDARDS TABLE 14-1

(Note: Adopt entire chapter as amended below.)

~~NFPA 13- 1999 – 2002 Automatic Sprinkler Systems, as amended Piping~~ **[For SFM]**

~~NFPA 13R – 1999 Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height Piping~~ **[For SFM]**

~~NFPA 13D – 1999 Installation of Sprinkler Systems in One and Two Family Dwellings and Manufactured Homes Piping~~ **[For SFM]**

~~NFPA 14, 2000 – 2003 Installation of Standpipe, Private Hydrant and Hose Systems Piping~~ **[For SFM]**

NFPA 54 – 2002 National Fuel Gas Code Fuel Gas ~~[For SFM]~~

NFPA 58 – 2004 Storage and Handling of Liquefied Petroleum Gases Fuel Gas ~~[For SFM]~~

NFPA 99 – 2002 Medical Gas Systems Piping ~~[For SFM]~~
~~[For SFM] NFPA 99-99~~

NFPA 99C – 2002 Gas and Vacuum Systems Piping ~~[For SFM]~~
~~[For SFM] NFPA 99C-99~~

Notation

Authority: H & S Code 18928(a)
Reference: H & S Code 18929(a)

CHAPTER 15
FIRESTOP PROTECTION

(Note: Adopt entire chapter as amended below.)

~~1506.4 [For SFM] The penetration must meet any additional requirements for protection of the penetration in the building code adopted by the Administrative Authority.~~

~~1506.5 [For SFM] Prior to being concealed, piping penetrations shall be inspected to verify compliance with the fire resistance rating prescribed in the building code.~~

Notation

Authority: H & S Code 18928(a)
Reference: H & S Code 18928(a)

CHAPTER 16
GRAY WATER SYSTEMS

(Note: This chapter is not adopted.)

Notation

Authority: Health and Safety Code Sections 13143, 17921, 18949
References: Health and Safety Code Sections 13143

APPENDIX CHAPTER 1
ADMINISTRATION

(Note: This chapter is not adopted.)

Notation

Authority: Health and Safety Code Sections 13143, 17921, 18949
References: Health and Safety Code Sections 13143

APPENDIX A
RECOMMENDED RULES FOR SIZING THE WATER SUPPLY SYSTEM

(Note: This chapter is not adopted.)

Notation

Authority: Health and Safety Code Sections 13143, 17921, 18949

References: Health and Safety Code Sections 13143

**APPENDIX B
EXPLANATORY NOTES ON COMBINATION WASTE AND VENT SYSTEMS**

(Note: This chapter is not adopted.)

Notation

Authority: Health and Safety Code Sections 13143, 17921, 18949

References: Health and Safety Code Sections 13143

**APPENDIX D
SIZING STORMWATER DRAINAGE SYSTEMS**

(Note: This chapter is not adopted.)

Notation

Authority: Health and Safety Code Sections 13143, 17921, 18949

References: Health and Safety Code Sections 13143

**APPENDIX E
MANUFACTURED/MOBILE HOME PARKS AND RECREATIONAL VEHICLE PARKS**

(Note: This chapter is not adopted.)

Notation

Authority: Health and Safety Code Sections 13143, 17921, 18949

References: Health and Safety Code Sections 13143

**APPENDIX F
FIREFIGHTER BREATHING AIR REPLENISHMENT SYSTEMS**

(Note: This chapter is not adopted.)

Notation

Authority: Health and Safety Code Sections 13143, 17921, 18949

References: Health and Safety Code Sections 13143

**APPENDIX I
INSTALLATION STANDARDS TABLE OF CONTENT**

(Note: This chapter is not adopted.)

Notation

Authority: Health and Safety Code Sections 13143, 17921, 18949

References: Health and Safety Code Sections 13143

**APPENDIX K
PRIVATE SEWAGE DISPOSAL SYSTEMS**

(Note: This chapter is not adopted.)

Notation

Authority: Health and Safety Code Sections 13143, 17921, 18949

References: Health and Safety Code Sections 13143

**APPENDIX L
ALTERNATE PLUMBING SYSTEMS**

(Note: This chapter is not adopted.)

Notation

Authority: Health and Safety Code Sections 13143, 17921, 18949

References: Health and Safety Code Sections 13143

USEFUL TABLES

(Note: This chapter is not adopted.)

Notation

Authority: Health and Safety Code Sections 13143, 17921, 18949

References: Health and Safety Code Sections 13143