

**45-DAY EXPRESS TERMS  
FOR  
PROPOSED BUILDING STANDARDS  
OF THE  
OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT**

**REGARDING PROPOSED CHANGES TO  
CALIFORNIA PLUMBING CODE  
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 5**

**LEGEND FOR EXPRESS TERMS**

1. Existing California amendments or code language being modified are in italics when they appear in the model code text: All such language appears in *italics*, modified language is underlined.
2. New California amendments: All such language appears underlined and in italics.
3. Repealed text: All such language appears in ~~strikeout~~.
4. Highlighted text: The **highlighted** text provides only clarification of proposed language.

**EXPRESS TERMS**

**CHAPTER 1  
ADMINISTRATION**

**DIVISION I  
CALIFORNIA ADMINISTRATION**

Adopt the 2015 Uniform Plumbing Code (UPC) and carry forward existing amendments of the 2013 California Plumbing Code (CPC) for OSHPD 1, 2, 3, & 4.

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

**CHAPTER 1  
DIVISION II  
ADMINISTRATION**

Adopt the 2015 Uniform Plumbing Code (UPC) and carry forward existing amendments of the 2013 California Plumbing Code (CPC) for OSHPD 1, 2, 3 & 4.

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

**CHAPTER 2  
DEFINITIONS**

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter and carry forward existing amendments of the 2013 California Plumbing Code (CPC) for OSHPD 1, 2, 3 & 4.

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

## CHAPTER 3 GENERAL REGULATIONS

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter and carry forward existing amendments of the 2013 California Plumbing Code (CPC) for OSHPD 1, 2, 3 & 4 with the following modifications:

### **310.0 Prohibited Fittings and Practices. ...**

**310.10 [OSHPD 1, 3 & 4]** *Floor drains and handwashing fixtures shall not be installed in operating and delivery rooms. Floor drains with self-priming traps may be installed in cystoscopic rooms.*

### **320.0 Rehabilitation of Piping Systems.**

**320.1 General.** Where pressure piping ... ASTM F2831.

**321.0 Essential Plumbing Provisions [OSHPD 1, 2, 3 (surgical clinics), & 4]** *During periods of power outages essential electrical power shall be provided for the following equipment:*

- (1) Domestic water booster pumps.
- (2) Domestic hot water circulating pumps.
- (3) Sewage ejector pumps.
- (4) Sump pumps and drainage pumps.
- (5) Domestic water heating equipment and their controls.
- (6) Fuel pumps.
- (7) Grease removal devices requiring electrical power.

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

## CHAPTER 4 PLUMBING FIXTURES AND FIXTURE FITTINGS

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter and carry forward existing amendments of the 2013 California Plumbing Code (CPC) for OSHPD 1, 2, 3 & 4 with the following modifications:

### **412.0 Urinals.**

**412.1 Application.** Urinals shall comply with ASME A112.19.2/CSA B45.1, ASME A112.19.19, or CSA B45.5/IAMPO Z124. Urinals shall have an average water consumption not to exceed 1 gallon (3.8 Lpf) of water per flush.

**412.1.1 Nonwater Urinals. [~~Not adopted for OSHPD 1, 2, 3, & 4]~~** Nonwater urinals shall have a barrier liquid sealant to maintain a trap seal. Nonwater urinals shall permit the uninhibited flow of waste through the urinal to the sanitary drainage system. Nonwater urinals shall be cleaned and maintained in accordance with the manufacturer's instructions after installation. Where nonwater urinals are installed, not less than one water supplied fixture rated at not less than 1 water supply

fixture unit (WSFU) shall be installed upstream on the same drain line to facilitate drain line flow and rinsing. Where nonwater urinals are installed they shall have a water distribution line rough-in to the urinal location to allow for the installation of an approved backflow prevention device in the event of a retrofit.

...

Due to renumbering in the 2015 Uniform Plumbing Code, the existing 2013 California Plumbing Code OSHPD amendment of Section 413.3 is to be carried forward to Section 413.2.

**413.3 413.2 Flushometer Valves.** Flushometer valves and tanks shall comply with ASSE 1037 or CSA B125.3, and shall be installed in accordance with Section 603.5.1. No manually controlled flushometer valve shall be used to flush more than one urinal, and each such urinal flushometer valve shall be an approved, self-closing type discharging a predetermined quantity of water. Flushometers shall be installed so that they will be accessible for repair. Flushometer valves shall not be used where the water pressure is insufficient to properly operate them. Where the valve is operated, it shall complete the cycle of operation automatically, opening fully, and closing positively under the line water pressure. Each flushometer shall be provided with a means for regulating the flow through it. **[OSHPD 1, 2, 3, & 4]** *Sensor operated flush valves shall be capable of functioning during loss of normal power.*

...

#### **422.0 Minimum Number of Required Fixtures.**

##### **422.1 Fixture Count. ...**

**422.2 Separate Facilities.** Separate toilet facilities shall be provided for each sex.

**Exceptions: *[Not adopted for OSHPD 1, 2, 3 & 4]***

- (1) Residential installations.
- (2) In occupancies with a total occupant load of 10 or less, including customers and employees, one toilet facility, designed for use by no more than one person at a time, shall be permitted for use by both sexes.
- (3) In business and mercantile occupancies with a total occupant load of 50 or less including customers and employees, one toilet facility, designed for use by no more than one person at a time, shall be permitted for use by both sexes.

**422.2.1 Family or Assisted-Use Toilet Facilities.** Where a separate toilet facility is required for each sex, and each toilet facility is required to have only one water closet, two family or assisted-use toilet facilities shall be permitted in place of the required separate toilet facilities.

Due to the renumbering in the 2015 Uniform Plumbing Code, the existing 2013 California Plumbing Code OSHPD amendment of Section 422.2.1 is to be carried forward to Section 422.2.2.

**422.2.1-2 [OSHPD 1, 2, 3 & 4]** *Separate toilet facilities shall be provided for the use of patients, staff personnel and visitors.*

**Exception for Primary Care Clinics only:** *Where a facility contains no more than three examination and/or treatment rooms, the patient toilet shall be permitted to serve waiting areas.*

...

**TABLE 4-2**  
**[OSHPD 1, 2, 3 & 4]<sup>24</sup> MINIMUM PLUMBING FACILITIES**

SPACE	HANDWASHING FIXTURE	SCRUB SINKS <sup>3</sup>	TOILETS	BATHTUBS OR SHOWERS	SERVICE SINKS <sup>1</sup>	CLINIC SINKS
<i>Renal Dialysis Service Space</i>	<i>1:4</i>				<i>1</i>	
...						
<i>Repair room<sup>11</sup></i>	<i>1</i>				<i>1</i>	
<i>Dialysis <del>P</del>-patient toilet</i>	<i>1 <sup>2</sup></i>		<i>1</i>			
<i>Staff lounge</i>						

**Notes:**

1 Each department ...

2 Conventional spouts and controls on hot-and cold-water supplies are acceptable. Aerators are not permitted. Non-aerating laminar flow devices are permitted.

3 Scrub sink ...

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

**CHAPTER 5**  
**WATER HEATERS**

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter for OSHPD 1, 2, 3 & 4.

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

**CHAPTER 6**  
**WATER SUPPLY AND DISTRIBUTION**

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter and carry forward existing amendments of the 2013 California Plumbing Code (CPC) for OSHPD 1, 2, 3 & 4 with the following modifications:

**604.0 Materials.**

**604.1 Pipe, Tube, and Fittings.** Pipe, tube, fittings, solvent cements, thread sealants, solders, and flux used in potable water systems intended to supply drinking water shall be in accordance with the requirements of NSF 61. Where fittings and valves are made from copper alloys containing more than 15 percent zinc by weight, and are used in plastic piping systems, they shall be resistant to dezincification and stress corrosion cracking in accordance with NSF 14.

Materials used in the water supply system, except valves and similar devices, shall be of a like material, except where otherwise approved by the Authority Having Jurisdiction.

Materials for building water piping and building supply piping shall comply with the applicable standards referenced in Table 604.1.

**Exception:** ~~[OSHPD 1, 2, 3 & 4] Use of CPVC is not permitted for applications under authority of the Office of Statewide Health Planning and Development.~~

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~~605.3.3-2~~ **605.1.3.2 [Not permitted for OSHPD 1, 2, 3, & 4] Pressed Fittings.** Pressed fittings for copper pipe or copper alloy pipe or tubing shall have an elastomeric O-ring that forms the joint. The pipe or tubing shall be fully inserted into the fitting, and the pipe or tubing marked at the shoulder of the fitting. Pipe or tubing shall be cut square, chamfered, and reamed to full inside diameter. The fitting alignment shall be checked against the mark on the pipe or tubing to ensure the pipe or tubing is inserted into the fitting. The joint shall be pressed using the tool recommended by the manufacturer.

...

Due to renumbering in the 2015 Uniform Plumbing Code, the existing 2013 California Plumbing Code OSHPD amendment of Section 605.16 is to be carried forward to Section 605.15.

~~605.16~~ **605.15 Dielectric Unions.** Dielectric unions where install at points of connection where there is a dissimilarity of metals shall be in accordance with ASSE 1079. **[OSHPD 1, 2, 3 & 4]** *Dielectric unions shall be used at all points of connection where there is a dissimilarity of metals.*

...

#### **614.0 Dialysis Water-Distribution Systems.**

**614.1 [OSHPD 1, 2, 3, & 4]** *Dialysis water feedlines shall be PVC (polyvinyl chloride), glass, stainless steel, or PVDF (polyvinylidene fluoride) and sized to provide a minimum velocity of 1.5 feet per second (0.46 m/s). The piping shall be a singleloop system with or without recirculation. Branches to dialysis machines shall be 1/4 inch (6.4 mm) inside dimension and take off from the bottom of the main feedline. Branch lines may be PFA (perfluoroalkoxy).*

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

## **CHAPTER 7 SANITARY DRAINAGE**

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter for OSHPD 1, 2, 3, & 4 and carry forward existing amendments of the 2013 California Plumbing Code (CPC) for OSHPD 1 with the following modifications:

### **701.0 General.**

**701.1 Applicability.** This chapter shall ...

~~701.1~~ **701.2 Drainage Piping.** Materials for drainage piping shall be in accordance with one of the referenced standards in Table 701.2 except that:

- (1) No galvanized wrought-iron ... aboveground.
- (2) ABS and PVC DWV piping installations shall be installed in accordance with applicable standards referenced in Table 1701.1 and Chapter 14 "Firestop Protection." Except for individual single-family dwelling units, materials exposed within ducts or plenums shall have a flame-spread index of not more than 25 and a smoke-developed index of not more than 50, where tested in accordance with ASTM E84 or UL 723.
- ~~(b) [OSHPD 1, 2, 3 & 4] ABS and PVC installations are not allowed.~~
- (3) No vitrified clay ... belowground.

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

## CHAPTER 8 INDIRECT WASTE

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter for OSHPD 1, 2, 3 & 4.

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

## CHAPTER 9 VENTS

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter and carry forward existing amendments of the 2013 California Plumbing Code (CPC) for OSHPD 1, 2, 3 & 4 with the following modifications:

### 903.0 Materials.

**903.1 Applicable Standards.** Vent pipe and fittings shall comply with the applicable standards referenced in Table 701.2, except that:

- (1) No galvanized steel ... aboveground.
- (2) ABS and PVC DWV piping installations shall be in accordance with the applicable standards referenced in Table 1701.1, and Chapter 14 "Firestop Protection." Except for individual single-family dwelling units, materials exposed within ducts or plenums shall have a flame-spread index of not more than 25 and a smoke-developed index of not more than 50 where tested in accordance with ASTM E84 or UL 723.

~~**903.1.3 [OSHPD 1, 2, 3 & 4]** ABS and PVC installations are not allowed.~~

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

## CHAPTER 10 TRAPS AND INTERCEPTORS

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter and carry forward existing amendments of the 2013 California Plumbing Code (CPC) for OSHPD 1, 2, 3 & 4 with the following modifications.

Due to renumbering of the 2015 Uniform Plumbing Code, the existing 2013 California Plumbing Code OSHPD amendments Sections 1015.6 and 1015.7 are being renumbered and carried forward as follows.

**1015.5 1015.4 Performance.** FOG disposal systems shall produce an effluent quality no to exceed 5.84 grains per gallon (gr/gal) (100 mg/L) FOG in accordance with ASME A112.14.16.

~~**1015.6 1015.5 [OSHPD 1, 2, 3 & 4]** Grease interceptors shall not be installed in food preparation area of kitchens.~~

**1015.7 1015.6 [OSHPD 1, 2, 3 & 4]** Grease interceptors shall be installed outside of the kitchen area in location affording ease of maintenance and servicing.

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

## CHAPTER 11 STORM DRAINAGE

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter and repeal amendments Sections 1101.3.2 and 1102.1.3 for OSHPD 1, 2, 3 & 4 as follows:

### ~~1101.2~~ 1101.3 Storm Water Drainage to Sanitary Sewer Prohibited. ...

~~1101.3~~ 1101.4 Materials Uses. Pipe, tube, and fittings conveying rainwater shall be of such materials and design as to perform their intended function to the satisfaction of the Authority Having Jurisdiction. Conductors within a vent or shaft shall be of cast-iron, galvanized steel, wrought-iron, copper, copper alloy, lead, Schedule 40 ABS DWV, Schedule 40 PVC DWV, stainless steel 304 or 316L [stainless steel 304 pipe and fittings shall not be installed underground and shall be kept not less than 6 inches (152mm) aboveground], or other approved materials, and changes in direction shall be in accordance with the requirements of Section 706.0. ABS and PVC DWV piping installations shall be installed in accordance with Chapter 14 "Firestop Protection." Except for individual single-family dwelling units, materials exposed within ducts or plenums shall have a flame-spread index of not more than 25 and a smoke-developed index of not more than 50, where tested in accordance with ASTM E84 or UL 723.

~~1101.3.2 [OSHPD 1, 2, 3, & 4] ABS and PVC installations are not allowed.~~

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### ~~1102.0~~ 1101.4 Materials Uses.

~~1102.4~~ 1101.4.2 Conductors. Conductors installed aboveground in buildings shall be in accordance with the applicable standards referenced in Table 701.2 for aboveground drain, waste, and vent pipe. Conductors installed aboveground level shall be of seamless copper water tube, Type K, L, or M; Schedule 40 copper pipe or Schedule 40 copper alloy pipe; Type DWV copper drainage tube; service weight cast-iron soil pipe or hubless cast-iron soil pipe; standard weight galvanized steel pipe; stainless steel 304 or 316L [stainless steel 304 pipe and fittings shall not be installed underground and shall be kept not less than 6 inches (152mm) aboveground]; or Schedule 40 ABS or Schedule 40 PVC plastic pipe.

~~1102.1.3 [OSHPD 1, 2, 3, & 4] ABS and PVC installations are not allowed.~~

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

## CHAPTER 12 FUEL GAS PIPING

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter for OSHPD 1, 2, 3 & 4.

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

## CHAPTER 13 HEALTH CARE FACILITIES AND MEDICAL GAS AND MEDICAL VACUUM SYSTEMS

Adopt the 2015 Uniform Plumbing Code (UPC) and carry forward existing amendments of the 2013 California Plumbing Code (CPC) for OSHPD 1, 2, 3 & 4.

**1304.0 Medical Gas and Medical Vacuum Piping Systems.**

**1304.1 General.** The installation of medical gas and medical vacuum piping systems shall comply with the requirements of this chapter.

**1301.2.1 1304.1.2 [OSHPD 1, 2, 3 & 4]** *Medical gas systems for health care facilities that are regulated by OSHPD (hospitals, skilled nursing facilities, and intermediate care facilities, licensed clinics, and correctional treatment centers) shall be in accordance with NFPA 99, Standard for Health Care Facilities. See California Building Code Table 1224.4.6.1 for location and number of station outlets for oxygen, vacuum, and medical air.*

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

**CHAPTER 14  
FIRESTOP PROTECTION**

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter for OSHPD 1, 2, 3 & 4.

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

**CHAPTER 15  
ALTERNATE WATER SOURCES FOR NONPOTABLE APPLICATIONS**

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter for OSHPD 1, 2, 3 & 4.

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

**CHAPTER 16  
NONPOTABLE RAINWATER CATCHMENT SYSTEMS**

Entire Chapter not adopted by OSHPD.

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

**CHAPTER 17  
REFERENCED STANDARDS**

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter for OSHPD 1, 2, 3 & 4.

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

**APPENDIX A  
RECOMMENDED RULES FOR SIZING THE WATER SUPPLY SYSTEM**

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter for OSHPD 1, 2, 3 & 4.

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

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

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter for OSHPD 1, 2, 3 & 4.

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

**APPENDIX D  
SIZING STORM WATER DRAINAGE SYSTEMS**

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter for OSHPD 1, 2, 3 & 4.

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850

**APPENDIX I  
INSTALLATION STANDARDS**

Adopt entire 2015 Uniform Plumbing Code (UPC) chapter for OSHPD 1, 2, 3 & 4.

Notation

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government 11152.5

Reference: Health and Safety Code Section 129850