# FINAL EXPRESS TERMS FOR PROPOSED BUILDING STANDARDS OF THE OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT REGARDING THE 2022 CALIFORNIA PLUMBING CODE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 5 (OSHPD 06/22)

The State agency shall draft the regulations in plain, straightforward language, avoiding technical terms as much as possible and using a coherent and easily readable style. The agency shall draft the regulation in plain English. A notation shall follow the express terms of each regulation listing the specific statutes authorizing the adoption and listing specific statutes being implemented, interpreted, or made specific (Government Code Section 11346.2(a)(1)).

If using assistive technology, please adjust your settings to recognize underline, strikeout, italic and ellipsis.

## LEGEND for EXPRESS TERMS (Based on model codes - Parts 2, 2.5, 3, 4, 5, 9, 10)

* Model Code language appears upright
* Existing California amendments appear in *italic*
* Amended model code or new California amendments appear *underlined & italic*
* Repealed model code language appears ~~upright and in strikeout~~
* Repealed California amendments appear in *~~italic and strikeout~~*
* Ellipses (...) indicate existing text remains unchanged

## FINAL EXPRESS TERMS

### ITEM 1 CHAPTER 2 DEFINITIONS

#### 210.0 – H –

***Handwashing Fixture [OSHPD 1, 2, 3, 4 & 5].*** *Handwashing fixtures consist of faucet, trim and lavatory as described:*

*(1) Faucets and Trim*

*…*

*d. Faucets shall be equipped with gooseneck spouts. A gooseneck spout shall be deck or fixture-mounted so the discharge point of the spout return is at least 10 inches (25.4 mm) above the bottom of the basin. The water shall not flow directly from the spout into the drain. The gooseneck spout shall have a 180+/-5 degree return with a constant radius and the outlet pointing vertically down.*

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**Notation:**

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 2 CHAPTER 3 GENERAL REGULATIONS

#### 310.0 Prohibited Fittings and Practices.

...

***310.9 [OSHPD 1, 2, 3, 4 & 5]*** *Drainage piping over operating and delivery rooms, nurseries, food preparation centers, food-serving facilities, food storage areas, compounding ante and buffer rooms and other sensitive areas shall be kept to a minimum and shall not be exposed. Special precautions shall be taken to protect these areas from possible leakage from necessary overhead drainage piping systems. Piping over switchboards, panel boards, and motor control centers are subject to restrictions of the California Electrical Code where applicable.*

**Notation:**

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 3 CHAPTER 3 GENERAL REGULATIONS

#### *321.0 Essential Plumbing Provisions. [OSHPD 1, 2, 3 (Surgical Clinics), 4 & 5]*

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*

*(8) Domestic hot water high temperature alarm.*

**Notation:**

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 4 CHAPTER 4 PLUMBING FIXTURES AND FIXTURE FITTINGS

#### 422.0 Minimum Number of Required Fixtures.

**422.1 Fixture Count.** Plumbing fixtures shall be provided for the type of building occupancy and in the minimum number shown in Table 422.1***~~[OSHPD 1, 2, 3, 4 & 5]~~*** *~~and Tables 4-2 and Table 4-3~~*. The total occupant load and occupancy classification shall be determined in accordance with the *California Building Code*. Occupancy classification not shown in Table 422.1 shall be considered separately by the Authority Having Jurisdiction.

***[OSHPD 1, 2, 3, 4 & 5]*** *Plumbing fixtures shall be provided in the minimum number shown in Table 4-2.*

***Exception:******[BSC, DSA-SS & DSA-SS/CC]*** *Using occupancy classification, described as function of space, determine occupant load factor from Table 4-1 Occupant Load Factor, of this chapter.*

*...*

***422.1.3 [OSHPD 1, 2, 3, 4 & 5]*** *OSHPD facilities shall also comply with requirements of the California Building Code, Chapters 1224, 1225, 1226, 1227 and 1228 ~~in addition to total occupant load and occupancy classification for determination of minimum number of fixtures~~.*

**Notation:**

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 5 CHAPTER 4 PLUMBING FIXTURES AND FIXTURE FITTINGS, *TABLE 4-2*

***TABLE 4-2***

***[OSHPD 1, 2, 3, 4 & 5]24 MINIMUM PLUMBING FACILITIES***

| ***SPACE*** | ***HANDWASHING***  ***FIXTURE*** | ***SCRUB***  ***SINKS3*** | ***TOILETS*** | ***BATHTUBS OR***  ***SHOWERS*** | ***SERVICE***  ***SINKS1*** | ***CLINIC***  ***SINKS*** |
| --- | --- | --- | --- | --- | --- | --- |
| *…* |  |  |  |  |  |  |
| *Airborne infection isolation room* | *120* |  |  |  |  |  |
| *Airborne infection isolation anteroom* | *1~~20~~* |  |  |  |  |  |
| *…* |  |  |  |  |  |  |
| ***Cesarean/Delivery Service Space*** |  |  |  |  |  |  |
| ... |  |  |  |  |  |  |
| *Delivery room* |  | *110, 33* |  |  |  |  |
| (Relocate from **Staff lounge**)  *LDR or LDRP room* | *133* |  | *1* | *1* |  |  |
| **Staff lounge** |  |  |  |  |  |  |
| *Staff Toilet - Male* | *12* |  | *1:1-15* |  |  |  |
| *Staff Toilet - Female* | *12* |  | *1:1-15* |  |  |  |
| (Relocate to **Cesarean/Delivery Service Space**)  *~~LDR or LDRP room~~* | *~~1~~~~33~~* |  | *~~1~~* | *~~1~~* |  |  |
| ... |  |  |  |  |  |  |
| ***Dietetic Service Space*** |  |  |  |  |  |  |
| *Kitchen* | *133* |  |  |  |  |  |
| *Dining area* | *116* |  | *116* |  |  |  |
| … |  |  |  |  |  |  |
| *Patient toilet and bath facilities13* | *12* |  | *1:4 beds* | *1:12~~16~~* |  |  |
| *Central bathing facility~~16~~* | *1* |  | *1* | *1* |  |  |
| *Special bathing facility~~16~~* |  |  |  | *1* |  |  |
| *…* |  |  |  |  |  |  |
| *Post anesthesia care units (PACU)* | *12* |  | *1:16 beds* |  |  | *1* |
| *Open plan* | *1:4 gurney*  *spaces33* |  |  |  |  |  |
| *Individual rooms* | *133* |  |  |  |  |  |
| *Preoperative patient holding* | *12* |  | *1:16 beds* |  |  |  |
| *…* |  |  |  |  |  |  |
| *Psychiatric unit patient room* | *136* |  | *1* |  |  |  |
| ***Radiological/Imaging Services Space*** | *~~1~~* |  | *129* |  |  |  |
| *Mammography* | *1* |  |  |  |  |  |
| *Interventional imaging* |  | *1* |  |  |  |  |
| *Ultrasound8* | *1* |  | *130* |  |  |  |
| *Angiography* |  | *14,31* |  |  |  |  |
| *Fluoroscopy8* |  |  | *130* |  |  |  |
| *MRI* | *1* |  |  |  |  |  |
| *CT Scan* | *1* |  |  |  |  |  |
| *Class 1 Imaging* | *1* |  |  |  |  |  |
| *…* |  |  |  |  |  |  |
| ***Surgical Service Space*** |  | *233* |  |  | *1* |  |
| *Staff clothing change areas* |  |  |  |  |  |  |
| *Staff Toilet - Male* | *12* |  | *1:1-1537* | *1 shower* |  |  |
| *Staff Toilet - Female* | *12* |  | *1:1-1537* | *1 shower* |  |  |
| *…* |  |  |  |  |  |  |
| *Patient beds [Skilled Nursing/Intermediate Care Facilities][medical model]* | *1:~~8~~42* |  | *1:~~6~~4* | *1:20* |  |  |

*16 ~~A minimum of one bathtub is required on each floor of an acute care or acute psychiatric hospital providing skilled nursing or intermediate care services~~. ~~Special bathing facilities/gurney shower shall be provided at a minimum ratio of one per 100 beds for acute care facilities.~~ Plumbing fixtures for public use shall be readily accessible and are to be based on 50% of the seating capacity value. Fixture quantity shall be based on Table 422.1 for an occupancy group A2.*

*20 ~~Not required when there is a handwash fixture in the patient bed room.~~ Where the patient room can only be accessed through the ante room the handwash fixture may be omitted in the patient room.*

…

*36 Handwashing stations are required in patient toilet rooms. Handwashing stations are not required in patient bedrooms.*

*37 Staff toilet facilities located in the surgical unit can be applied to the total fixture count.*

**Notation:**

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 6 CHAPTER 6 WATER SUPPLY AND DISTRIBUTION

#### 605.9 PEX Plastic Tubing and Joints.

...

**605.9.1 Fittings.** Fittings for PEX tubing shall comply with the applicable standards referenced in Table 604.1. PEX tubing that complies with ASTM F876 shall be marked with the applicable standard designation for the fittings, specified by the tubing manufacturer for use with the tubing. *Brass fittings used with PEX tubing shall meet or exceed NSF 14~~-2009~~ standards to prevent dezincification and stress crack corrosion.* ***[OSHPD 1, 1R, 2, 3, 4 & 5]*** *Installation and use of PEX tubing shall be in accordance with manufacturer’s standards. PEX piping shall not be used for any application that would result in noncompliance with any provisions of the California Building Standards Code.*

…

**Notation:**

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 7 CHAPTER 6 WATER SUPPLY AND DISTRIBUTION

#### *613.0 [OSHPD 1, ~~1R~~, 2, 3, 4 & 5] Domestic Hot-Water Distribution Systems for Health Facilities and Clinics.*

…

***613.2*** *At least two pieces of hot-water-heating equipment shall be provided to supply hot water for dishwashing and minimum patient services such as handwashing and bathing. The arrangement of water-heating equipment shall be based on the capacity and capability of the equipment to provide the required hot water during periods of breakdown or maintenance of any one water heater. Booster heaters for 125°F to 180°F (52°C to 82°C) water are acceptable as a second piece of equipment for dishwashing. Where storage tanks are separate from the water heater, at least two independent storage tanks shall be provided.*

***Exception:*** *A single piece of hot-water-heating equipment shall be permitted, subject to the Authority Having Jurisdiction, for primary care and non-specialty clinics where the equipment is limited to the service of handwashing fixtures.*

**Notation:**

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 8 CHAPTER 6 WATER SUPPLY AND DISTRIBUTION

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

***614.1 [OSHPD 1, ~~1R,~~ 2, 3, 4 & 5]*** *Dialysis water feedlines shall be PVC (polyvinyl chloride), glass, stainless steel, PEX, ~~or~~ PVDF (polyvinylidene fluoride), or other material deemed acceptable by AAMI RD 62 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 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 9 CHAPTER 6 WATER SUPPLY AND DISTRIBUTION

#### *615.0 Identification of Potable and Nonpotable Water Lines.*

*...*

***615.4 [OSHPD 1] Emergency Water Supply.***

***615.4.1*** *For new acute care hospital buildings submitted after the effective date of this code, the hospital shall have an on-site water supply sufficient to operate essential hospital utilities and equipment in the acute care hospital building, to support 72 hours of continuing operation in the event of an emergency. Any general acute care hospital in operation after January 1, 2030 shall have an on-site water supply sufficient to operate essential hospital utilities and equipment in the acute care hospital buildings on the campus with an SPC-3, SPC-4, or SPC-5 rating, to support 72 hours of continuing operation in the event of an emergency. See also California Building Code, Part 2, Section ~~1616A.1.42~~ 1617A.1.40.*

*The emergency water storage capacity shall be computed ...*

**Notation:**

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 10 CHAPTER 7 SANITARY DRAINAGE

#### *727.0 [OSHPD 1] Emergency Sanitary Drainage.*

***727.1*** *For new acute care hospital buildings submitted after the effective date of this code, the hospital shall have an onsite holding tank[s] to store sewage and liquid waste sufficient to operate essential hospital utilities and equipment in the acute care hospital building, to support 72 hours of continuing operation in the event of an emergency. Any general acute care hospital in operation after January 1, 2030 shall have an on-site holding tank[s] to store sewage and liquid waste sufficient to operate essential hospital utilities and equipment in the acute care hospital buildings on the campus with an SPC-3, SPC-4, or SPC-5 rating, to support 72 hours of continuing operation in the event of an emergency. The emergency waste holding capacity shall be based on the Water Conservation/Water Rationing Plan required in Section 615.4.1. See also California Building Code, Part 2, Section ~~1616A.1.42~~ 1617A.1.40.*

**Notation:**

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850