

**FINAL EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT**

**REGARDING PROPOSED CHANGES TO
2007 CALIFORNIA PLUMBING CODE
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 5**

LEGEND FOR EXPRESS TERMS

1. Existing California amendments or code language being modified: 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 Repealed text: All such language appears in ~~strikeout~~.

The California Building Standards Code (California Code of Regulations, Title 24, Parts 1, 2, 3, 4, 5, 6, 7, 8, 10 & 12) is published in its entirety every three years and is effective to all buildings that submit an application for a building permit during its effective period. Each triennial edition of the California Building Standards Code becomes effective 180 days after its publication and is effective at the time an application for a building permit is submitted.

These proposed regulations will amend the 2007 edition of the California Plumbing Code (CPC) based on the 2006 edition of the Uniform Plumbing Code (UPC) published by the International Association of Plumbing and Mechanical Officials (IAPMO) for general acute-care hospitals, acute psychiatric hospitals, skilled nursing facilities, intermediate care facilities, licensed clinics and freestanding building under a hospital license where outpatient clinical services are provided, and correctional treatment centers.

EXPRESS TERMS

**CHAPTER 2
DEFINITIONS**

...

210.0

Handwashing Fixture [For OSHPD 1, 2, 3 & 4] is a special application sink having a water supply spout mounted so the discharge point is at least 5 inches (127 mm) above the fixture rim and equipped with hot and cold supply controls not requiring direct contact of the hands for operation. *The fixture can not be equipped with an aerator and wrist or elbow blade handles, but may be equipped with a non-aerating laminar flow device. Sensor operated fixtures may be used, provided they are either battery operated or connected to the essential electrical system.*

...

**CHAPTER 4
PLUMBING FIXTURES AND FIXTURE FITTINGS**

Table 4-1

Minimum Plumbing Facilities¹

Each building shall be provided with sanitary facilities, including provisions for persons with disabilities as prescribed by the Department Having Jurisdiction¹⁹.

For requirements for persons with disabilities, Chapter 11A or 11B of the California Building Code shall be used.

[OSHPD 1, 2, 3 & 4] ~~The total occupant load shall be determined by the minimum exiting requirements.~~ The minimum number of fixtures shall be calculated by fifty (50) percent male and fifty (50) percent female based on the total occupant load.

The occupant load and use of building and use of the building or space under consideration shall first be established using the Occupant Load Factor Table A. ...

(Table and balance of notes not shown for clarity)

**TABLE 4-2
[For OSHPD 1, 2, 3 & 4] Minimum Plumbing Facilities**

Space	Handwashing Fixture	Scrub Sinks	Toilets <u>Toilets</u>	Bathtubs or Showers	Service Sinks¹	Clinic Sinks
OSHPD 1						
General Acute – Care Hospitals and Acute Psychiatric Hospitals						
Administration Space						
Lobby						
Male	1 ²		1			
Female	1 ²		1			
Airborne infection isolation rooms ⁵	2 ⁵		1 ⁵	1 ⁵		
Cardiac Catherization Catheterization						
Procedure room		1 ⁴			1	
Staff clothing changing areas	1		1	1 shower		
Central Sterile Supply	1 ¹⁵					
Cesarean/delivery Service Space						
Labor Rooms	1		1 ⁹	1 ²		
Recovery Room	1					1
Drug distribution station	1					
Cesarean operating room ⁴⁹		2 ¹⁰				
Delivery room ⁴⁹		1 ¹⁰				
Staff clothing changing areas						
Male	1		1	1		
Female	1		1	1		
Staff lounge toilet	1		1			
LDR or LDRP room	1		1	1		
Waiting room	1 ²		1 ²⁶			
Clinical Laboratory Service Space¹¹	1					
Dietetic Service Space						
Toilets and lockers	1		1			

Emergency Service						
Standby emergency medical service.						
Lobby – public toilets	1		1			
Treatment room	1		4			
Open plan	1:4 cubicles		4			
Patient toilet	1		1			
Administrative center/nurses' station	1					
Observation units	1:4 cubicles					
Basic emergency service						
Public waiting			1			
Treatment areas, more than 8			2			
Treatment room	1					
Open plan	1					
Observation units	1:4 cubicles			1:8 cubicles		
Emergency surgery, Cystoscopy, or Special procedure room		1 ¹			1	
Employee dressing rooms						
Male ⁴ 2	1 ²	4	1			
Female	1 ²		1			
Exam and treatment rooms	1					
Housekeeping room					1	
Intensive Care Units⁷						1
Open plan	1:3 beds					
Patient rooms ²⁸	1					
Staff lounge	1 ²		1			
Newborn Intensive Care Unit (NICU)	1:4 bassinets ¹⁷					1
Control station	1					
Staff lounge	1 ²		1			
Laboratories	1 ¹⁵				1	
Laundry						
Soiled linen	1					
Medicine preparation rooms or station	1					
Morgue and Autopsy	1				1	
Nourishment station or center	1 ²					
Nuclear medicine						
Procedure room	1					
Mold room	1					
Radiotherapy						
Reception/waiting area	1 ²		1			
Nursing service space						
Administrative center or nurse station	1					
Examination or treatment room	1					
Patient room	1					
Patient toilet and bath facilities ¹³	1 ²		1:4 beds	1:12 ¹⁶		
Administrative center/nursing station			4			
Multi-purpose rooms ²⁷			1 ²			
Central bathing facility			1			
Staff toilet room	1 ²		1			
Medicine preparation room	1					
Nourishment area	1					
Nurses' stations ⁹ or administration center	1					
Nurseries						
Well Newborn	1:6 bassinets					
Exam/Workrooms	1					

Outpatient service space			1			
Outpatient surgery		1				
Endoscopy examination room	1					
Pediatric and Adolescent Unit						
Patient room	1		1			
Play areas toilet room	1		1			
Central bathing toilet room	1		1			
Pharmacy	1 ²⁵		1			
Postanesthesia care units (PACU)	1					1
Protective environment room ⁵	2 ⁵		1 ⁵	1 ⁵		
Psychiatric Nursing Unit						
Patient room	1					
Patient toilet and bath facilities ¹³	1 ²		1	1:12 ¹⁶		
Radiological/Imaging Services Space						
Computerized tomography (CT)	1 ²		1 ²⁹			
Ultrasound	1 ²		1 ²⁹			
Angiography	1 ²	1 ⁴	1 ²⁹			
Flouroscopy ⁸	1 ²		1			
Patient toilet	1 ²		1			
Staff toilets	1 ²		1 ¹⁸			
Rehabilitation Therapy Space						
Patient Waiting area						
Male	1 ²		1			
Female	1 ²		1			
Training toilet			1			
Physical therapy service space	1					
Occupational therapy service space	1					
Speech pathology	1					
Renal Dialysis Service Space	1:4 stations					1
Dialysis Bloodborne Infection Isolation Room	1					
Nurses station	1					
Medication dispensing	1					
Home training room	1					
Repair room	1				1	
Patient toilet	1		1			
Staff lounge	1		1	1 shower		
Waiting room toilet	1		1			
Surgical Service Space		2 ³				
Staff clothing change areas						
Male	1 ²		1	1 shower		
Female	1 ²		1	1 shower		
Clean-up rooms	1					
Substerile area	1					
Anesthesia workroom	1 ⁸					
Soiled workroom or soiled holding	1					1
Utility Room						
Clean ⁹⁻²⁷	1					
Soiled ⁹⁻²⁷	1					1 ¹²⁻¹⁴
OSHPD 2						
Skilled Nursing or Intermediate Care Facilities						
Nurses' Station	1					
Utility room	1					
Clean	1 ²¹					
Soiled	1 ²²					
Patient beds	1:8 ²		1:6	1:20		1 ¹⁴
Administration space – public toilets			1			
Employee lockers	1 ²		1			
Male	1 ²		1			

Female			1			
Outpatient waiting room	1					
Laundry						
Dietetic service space	1					
Kitchen	1					
Food serving area	1					
Employee washroom	1					
Airborne infection isolation room ⁵	1 ⁵		1 ⁵	1 ⁵		
Protective environment room ⁵	1 ⁵		1 ⁵	1 ⁵		
Medicine rooms ¹⁹	1 ¹⁵					
Optional services	1					
Physical therapy	1					
Occupational therapy	1					
Speech pathology/Audiology	1					
Housekeeping room					1	
OSHPD 3						
Licensed Clinics and any freestanding building under a hospital license where outpatient clinical services are provided						
Examination and treatment rooms	1					
Primary care clinic					1	
Utility room	1 ¹⁵					
Birthing Clinic	1				1	
Clean-up room	1					
Toilet room	1 ²		1			
Surgery Clinic		2 ³			1	
Clean-up room	1					
Outpatient changing	1 ²		1			
Postanesthesia recovery	1					
Chronic Dialysis					1	
Nurse station	1:8 patients					
Patient	1		1 ²³			
Staff lockers	1 ²		1			
Airborne Bloodborne infection isolation room	1					
Utility room	1				1	
Home training	1					
Rehabilitation Clinics						
Physical therapy space	1					
Occupational therapy	1					
Speech pathology/Audiology	1					
Housekeeping room					1	
OSHPD 4						
Correction Treatment Centers¹						
Nurse station	1					
Utility Room						
Clean	1 ²¹					
Soiled	1 ²²					
Patients	1:8 ²		1:6	1:12		
Employee dressing rooms						
Male	1 ²		1			
Female	1 ²		1			
Outpatient services			1			
Airborne infection isolation room ⁶	1 ⁶		1 ⁶	1 ⁶		
Protective environment room ⁶	1 ⁶		1 ⁶	1 ⁶		
Medicine rooms ¹⁹	1 ¹⁵					
Treatment and Exam Rooms	1					
Toilets						
Patient ¹³	1:8 ²		1:6	1:12		

Staff	1 ²		1			
Employee dressing rooms and lockers						
Male	1 ²		1			
Female	1 ²		1			
Outpatient services						
Waiting area	1 ²		1			
Housekeeping room					1	
Soiled utility room	1					
Pharmacy	1					

1 Each department or nursing unit shall be served by a housekeeping room equipped with a service sink. Departments may share service closets provided the departmental services are compatible. The fixtures listed cannot be shared.

2 Conventional spouts and controls on hot-and cold-water supplies are acceptable. Aerators are not permitted. Non-aerating laminar flow devices are permitted. Nourishment stations shall have a handwashing fixture in or immediately accessible from the nourishment area.

3 A minimum of two scrub sinks shall be provided in a surgical unit containing one operating room. Four scrub sinks shall be provided in surgical units containing two operating rooms. One additional scrub sink shall be provided per each additional operating room.

4 The scrub sink is in addition to the required number for surgeries.

5 The following fixtures shall be provided in airborne infection or protective environment rooms of hospitals only:

a. Within an adjoining toilet room, a handwashing fixture, a shower containing a seat or a space for a shower chair, and water closet equipped with bedpan flushing attachment with a vacuum breaker.

b. A handwashing fixture within a separate anteroom.

Exception: 1. Chemical dependency recovery hospitals. 2. In emergency department, separate toilet/shower not required.

6 The following fixtures shall be provided in isolation rooms of correctional treatment centers only:

a. Within an adjoining toilet area, a handwashing fixture, a shower containing a seat or a space for a shower chair, and water closet equipped with bedpan flushing attachment with a vacuum breaker.

b. A handwashing fixture within a separate anteroom.

7 Includes burn center spaces and acute respiratory-care service spaces, coronary-care service spaces.

8 A toilet room with handwashing fixture shall adjoin each fluoroscopy room.

9 One toilet with lavatory and one shower may serve ~~more than one~~ two labor rooms.

10 One additional scrub sink per cesarean or delivery operating room.

11 Provide emergency eye-wash and shower.

12 Handwashing fixtures shall be located in convenient locations throughout the space.

13 Fixtures serving individual patient rooms shall not be considered as meeting the required ratios for bedrooms not served by individual adjoining toilet or bathrooms.

14 The clinic sink may be deleted if all bedrooms in the nursing unit are provided with adjoining toilets with bedpan flushing devices.

15 Conventional controls on hot-and cold-water supplies are acceptable. The water discharge points shall be 5 inches (127 millimeters) ~~(5 inches)~~ above the fixture rims. ~~and equipped without a~~ Aerators are not permitted. Non-aerating laminar flow devices are permitted.

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.

17 In a multiple-bed room, every bed position shall be within 20 feet (6 meters) of a hands-free handwashing fixture. Where an individual room concept is used, a handwashing fixture shall be provided within each infant care room.

18 When three or more procedure rooms are provided.

19 If a separate medicine room is provided, the room shall be equipped with a sink in addition to the nurses' station handwashing fixture. Hot-water supplies are optional.

20 Chemical dependency recovery hospitals are only required to provide handwashing fixtures for exam rooms and kitchens.

All other fixtures may be equipped per **NOTE** Footnote 2.

21 Handwashing fixtures may be deleted if room is storage and holding only.

22 Handwashing fixtures may be deleted if room is temporary holding of soiled materials.

23 Toilet shall be equipped with a bedpan flushing attachment.

24 Optional services approved by the licensing agency shall comply with the applicable space requirements of OSHPD 1 and 2.

25 Shall be provided in each separate room where open medication is handled.

26 Conveniently accessible throughout the unit.

27 Includes rooms or areas within coronary and intensive-care units and postanesthesia recovery rooms.

28 Modular toilet/sink combination units located within a privacy curtain may be used within each patient space or private room.

29 Toilet room facilities located adjacent to or in the immediate vicinity are adequate.

CHAPTER 6 WATER SUPPLY AND DISTRIBUTION

604.0 Materials.

604.1 All pipe, tube, and fittings carrying water used in potable water systems intended to supply drinking water shall meet the requirements of NSF 61 as found in Table 14-1. All 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 be in accordance with Table 6-4 and the standards in Table 14-1.

Exceptions:

...

(2) ~~[For OSHPD 1, 2, 3 & 4]~~ Use of PEX piping is not permitted for applications under the authority of the Office of Statewide Health Planning and Development. 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.

...

(5) ~~[For OSHPD 1, 2, 3 & 4]~~ When PEX tubing is placed in soil and is used in potable water systems intended to supply drinking water to fixtures or appliances, the tubing or piping shall be sleeved with a material approved for potable water use in soil or other material that is impermeable to solvents or petroleum products.

(6) ~~[For OSHPD 1, 2, 3 & 4]~~ PEX tubing shall meet the requirements of NSF P171 CL-R, ASTM F 876-08 or an equivalent or more stringent standard when used in continuously recirculating hot water systems where chlorinated water is supplied to the system and the PEX tubing is exposed to the hot water 100% of the time

...

604.11 PEX. ~~*[Not adopted by OSHPD 1, 2, 3 & 4]*~~ Cross-linked polyethylene (PEX) tubing shall be marked with the appropriate standard designation(s) listed in Table 14-1 for which the tubing has been approved. PEX tubing shall be installed in compliance with the provisions of this section. *[For OSHPD 1, 2, 3, & 4]* 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.

604.11.1 PEX Fittings. ~~*[Not adopted by OSHPD 1, 2, 3 & 4]*~~ Metal insert fittings, metal compression fittings, and cold expansion fittings used with PEX tubing shall be manufactured to and marked in accordance with the standards for the fittings in Table 14-1. *[For OSHPD 1, 2, 3, & 4]* 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.

604.11.2 Water Heater Connections. ~~*[Not adopted by OSHPD 1, 2, 3 & 4]*~~ PEX tubing shall not be installed within the first eighteen (18) inches (457 mm) of piping connected to a water heater.

...

605.0 Valves.

...

605.8 *[For OSHPD 1, 2, 3 & 4]* Each riser or branch shall be provided with an accessible sectionalizing valve in hot and cold-water systems to permit servicing or replacement of piping or equipment. Stop valves shall be provided at each fixture.

Amend the Matrix Adoption Table as follows:

**MATRIX ADOPTION TABLE
CHAPTER 6 – WATER SUPPLY AND DISTRIBUTION**

Proposed Adoption	OSHPD				Comments
	1	2	3	4	
Adopt entire chapter without amendments					
Adopt entire chapter with amendments listed below	X	X	X	X	
Adopt only sections listed below					
<u>604.1 Exc. 5 CA</u>	X	X	X	X	
<u>604.1 Exc. 6 CA</u>	X	X	X	X	
<u>604.11 CA</u>	X	X	X	X	
<u>604.11.1 CA</u>	X	X	X	X	
604.11.2 CA	‡	‡	‡	‡	Deleted previous OSHPD non-adoption
605.8 CA	X	X	X	X	

Notation

Authority: Health & Safety Code Sections 1226, 1275, and 129850; Government Code Section 11152.5

References: Health & Safety Code Sections 1226, 1275, 129790, and 129850