

**FINAL EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
CALIFORNIA BUILDING STANDARDS COMMISSION (CBSC)**

**REGARDING PROPOSED AMENDMENT OF THE
2007 CALIFORNIA PLUMBING CODE (CPC) FOR THE
CALIFORNIA CODE OF REGULATIONS (CCR), 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 Repealed text: All such language appears in ~~strikeout~~.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) of the International Association of Plumbing and Mechanical Officials (IAPMO) for state owned buildings, including buildings constructed by the Trustees of the California State University and buildings constructed by the Regents of the University of California that are permitted under the California Plumbing Code (CPC). Further, California law makes the UPC standards adopted by the Commission applicable to all occupancies in California.

EXPRESS TERMS:

CBSC proposes to delete language included in error in the 2007 edition of the California Plumbing Code (CPC) based on the 2006 edition of the Uniform Plumbing Code by the International Association of Plumbing and Mechanical Officials (IAPMO), which IAPMO has corrected by Tentative Interim Amendment as follows:

**CHAPTER 4
PLUMBING FIXTURES AND FIXTURE FITTINGS**

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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.

~~**[BSC, OSHPD 1, 2, 3 & 4, DSA-SS, HCD 1 & HCD 2, AGR]** 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)

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The California Building Standards Commission proposes to amend the 2007 edition of the CPC by removing the prohibition for PEX ~~and PEX-AL~~ PEX as presented on the following matrix adoption table.

Amend the following sections for Chapter 6 of the 2007 CPC:

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

Adopting Agency	BSC	COMMENTS
Adopt entire 2006 UPC Chapter without amendments		
Adopt Entire 2006 UPC Chapter as amended (amended sections listed below)	X	
Adopt Only those sections of the 2006 UPC which are listed below and/or Adopt Only those California promulgated sections ^{1, 2, 3} listed below		
604.11 ———— UPC	†	Remove restriction for BSC applications
604.11.1 ———— UPC	†	Remove restriction for BSC applications
604.11.2 ———— UPC	†	Remove restriction for BSC applications
Table 6-4 Footnote 1	<u>X</u>	Removed reference to PEX for BSC applications
Table 6-4 Footnote 2	<u>X</u>	Added sleeving requirement for PEX placed in soil
Table 6-4 Footnote 3	<u>X</u>	Added certification standards for PEX used in recirculating hot water systems

This state agency adopts the entire chapter except for those sections indicated by the following symbol: †

**CHAPTER 6
WATER SUPPLY AND DISTRIBUTION**

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TABLE 6-4¹

Material	Water Distribution Pipe and Fittings		Building Supply Pipe and Fittings
	Hot	Cold	
Asbestos – Cement			X
Brass	X	X	X
Copper	X	X	X
Cast Iron	X	X	X
CPVC	X	X	X
Galvanized Malleable Iron	X	X	X
Galvanized Wrought Iron	X	X	X
Galvanized Steel	X	X	X
PE			X
PE-AL-PE	X	X	X
PEX ^{2,3}	X	X	X

PEX-AL-PEX	X	X	X
PVC			X

¹ ~~[For BSC, DSA/SS & HCD] The use of PEX and PEX-AL-PEX in potable water supply systems is not adopted for applications under the authority of the Building Standards Commission and the Division of State Architect and the Department of Housing and Community Development.~~

² 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.

³ 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.

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604.11 PEX. ~~[Not Adopted by AGR, BSC, DHS]~~ 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.

604.11.1 PEX Fittings. ~~[Not Adopted by AGR, BSC, DHS]~~ 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.

604.11.2 Water Heater Connections. ~~[Not Adopted by AGR, BSC, DHS]~~ PEX tubing shall not be installed within the first eighteen (18) inches (457mm) of piping connected to a water heater.

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Notation

Authority: Health and Safety Code §§18934.5, 18938(b)

References: Health and Safety Code §§18916, 18929.1, 18938(b)