

The 2007 triennial edition of the California Code of Regulations, Title 24 (California Building Standards Code) applies to all occupancies that applied for a building permit on or after January 1, 2008, and remains in effect until the effective date of the next triennial edition. The following errata items will be officially published and distributed by ICC and IAPMO prior to the Jan. 1, 2008 effective date. (Note: Items shown underlined denote the errata item that was revised)

Errata for the 2007 Triennial Edition of Title 24, Part 2, 2007 California Building Code

- Part 2 - California Building Code**

Chapter 4, Section 430.1 (Revise Article reference)

430.1 For automatic sprinklers and fire alarm system requirements applying to each building, barn or structure which is used by an association regulated by the California Horse Racing Board for the stabling of horses or human habitation, and the stable area grounds, including any additional location where any excess horses are stabled, see Title 4, Division 4, Article 17, Section 1927.

Chapter 5, Table 503 (Missing table from July Publication)

TABLE 503 ALLOWABLE HEIGHT AND BUILDING AREAS^a

Height limitations shown as stories and feet above grade plane.

Area limitations as determined by the definition of "Area, building," per story

GROUP	HGT(feet) HGT(S)	TYPE OF CONSTRUCTION								
		TYPE I		TYPE II		TYPE III		TYPE IV	TYPE V	
		A	B	A	B	A	B	HT	A	B
A-1	S	UL	5	3	2	3	2	3	2	1
	A	UL	UL	15,500	8,500	14,000	8,500	15,000	11,500	5,500
A-2	S	UL	11	3	2	3	2	3	2	1
	A	UL	UL	15,500	9,500	14,000	9,500	15,000	11,500	6,000
A-3	S	UL	11	3	2	3	2	3	2	1
	A	UL	UL	15,500	9,500	14,000	9,500	15,000	11,500	6,000
A-4	S	UL	11	<u>3</u>	<u>2</u>	<u>3</u>	<u>2</u>	<u>3</u>	2	1
	A	UL	UL	<u>15,500</u>	<u>9,500</u>	<u>14,000</u>	<u>9,500</u>	<u>15,000</u>	11,500	6,000
A-5	S	UL	UL	UL	UL	UL	UL	UL	UL	UL
	A	UL	UL	UL	UL	UL	UL	UL	UL	UL
B	S	UL	11	5	4	5	4	5	3	<u>2</u>
	A	UL	UL	37,500	23,000	28,500	19,000	36,000	18,000	<u>9,000</u>
E	S	UL	5	3	2	3	2	3	1	1
	A	UL	UL	26,500	14,500	23,500	14,500	25,500	18,500	9,500
F-1	S	UL	11	4	2	3	2	4	2	1
	A	UL	UL	25,000	15,500	19,000	12,000	33,500	14,000	8,500
F-2	S	UL	11	5	3	4	3	5	3	2
	A	UL	UL	37,500	23,000	28,500	18,000	50,500	21,000	13,000
H-1	S	1	1	1	1	1	1	1	1	NP
	A	21,000	16,500	11,000	7,000	9,500	7,000	10,500	7,500	NP
H-2 ^d	S	UL	3	2	1	2	1	2	1	1
	A	21,000	16,500	11,000	7,000	9,500	7,000	10,500	7,500	3,000
H-3 ^d	S	UL	6	<u>4</u>	<u>2</u>	<u>4</u>	<u>2</u>	<u>4</u>	2	1
	A	UL	60,000	<u>26,500</u>	<u>14,000</u>	<u>17,500</u>	<u>13,000</u>	<u>25,500</u>	10,000	5,000
H-4	S	UL	7	5	3	5	3	5	3	2
	A	UL	UL	37,500	17,500	28,500	17,500	36,000	18,000	6,500
H-5	S	4	4	3	3	3	3	3	3	2
	A	UL	UL	37,500	23,000	28,500	19,000	36,000	18,000	9,000
I-1	S	UL	9	4	3	4	3	4	3	2
	A	UL	55,000	19,000	10,000	16,500	10,000	18,000	10,500	4,500
I-2/I-2.1	S	UL	4	2	1	1	NP	1	1	NP
	A	UL	UL	15,000	11,000	12,000	NP	12,000	9,500	NP
I-3 ^e	S	UL	2	NP	NP	NP	NP	NP	NP	NP
	A	UL	15,100	NP	NP	NP	NP	NP	NP	NP
I-4	S	UL	5	3	2	3	2	3	1	1
	A	UL	60,500	26,500	13,000	23,500	13,000	25,500	18,500	9,000
<u>L</u>	<u>S</u>	<u>10</u>	<u>3</u>	<u>3</u>	<u>2</u>	<u>3</u>	<u>2</u>	<u>3</u>	<u>3</u>	<u>1</u>
	<u>A</u>	<u>UUL</u>	<u>39,900</u>	<u>18,000</u>	<u>12,000</u>	<u>18,000</u>	<u>12,000</u>	<u>18,000</u>	<u>14,000</u>	<u>8,000</u>

M	S	UL	11	4	4	4	4	4	3	1
	A	UL	UL	21,500	12,500	18,500	12,500	20,500	14,000	9,000
R-1	S	UL	11	4	4	4	4	4	3	2
	A	UL	UL	24,000	16,000	24,000	16,000	20,500	12,000	7,000
R-2	S	UL	11	4	4	4	4	4	3	2
	A	UL	UL	24,000	16,000	24,000	16,000	20,500	12,000	7,000
R-3/R-3.1	S	UL	11	4	4	4	4	4	3	3
	A	UL	UL	UL	UL	UL	UL	UL	UL	UL
R-4	S	UL	11	4	4	4	4	4	3	2
	A	UL	UL	24,000	16,000	24,000	16,000	20,500	12,000	7,000
S-1	S	UL	11	4	3	3	3	4	3	1
	A	UL	48,000	26,000	17,500	26,000	17,500	25,500	14,000	9,000
S-2 ^{b, c}	S	UL	11	5	4	4	4	5	4	2
	A	UL	79,000	39,000	26,000	39,000	26,000	38,500	21,000	13,500
U ^c	S	UL	5	4	2	3	2	4	2	1
	A	UL	35,500	19,000	8,500	14,000	8,500	18,000	9,000	5,500

For SI: 1 foot = 304.8 mm, 1 square foot = 0.0929m².

UL = Unlimited, NP = Not permitted.

a. See the following sections for general exceptions to Table 503:

1. Section 504.2, Allowable height increase due to automatic sprinkler system installation.
2. Section 506.2, Allowable area increase due to street frontage.
3. Section 506.3, Allowable area increase due to automatic sprinkler system installation.
4. Section 507, Unlimited area buildings.

b. For open parking structures, see Section 406.3.

c. For private garages, see Section 406.1.

d. See Section 415.5 for limitations.

e. [SFM] See Section 408.1.1 for specific exceptions for one-story Type IIA, Type IIIA or Type VA construction.

- o Chapter 15, Section 1511.1 (Revise metric conversion number)

1511.1 Fasteners. Nails shall be long enough to penetrate into the sheathing $\frac{3}{4}$ inch (19mm). Where sheathing is less than $\frac{3}{4}$ inch (19mm) in thickness, nails shall be driven into supports, unless nails with ring shanks are used.

All fasteners shall be corrosion resistant and fabricated of copper, stainless steel, or brass, or shall have a hot dipped galvanized coating not less than 1.0 ounce of zinc per square foot (305 gm/m²).

Nails for slate shingles and clay or concrete tile shall be copper, brass or stainless steel with gage and length per common ferrous nails.

- o Chapter 29, Table 2902.1 (Missing table from the July publication)

Table 2902.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES

Please visit the International Code Council web site for a downloadable fixture table. www.iccsafe.org

- o Chapter 31A (Missing from July publication)

Chapter 31A

SYSTEMS FOR WINDOW CLEANING OR EXTERIOR BUILDING MAINTENANCE

See Title 8, California Code of Regulations, Division 1, Chapter 4, Subchapter 7, General Industry Safety Orders, Group 1, Articles 5 and 6.

- o Chapter 35 (Amended language missing from July publication)

***NFPA 13, Amended Sections as follows:**

Add a sentence to the beginning of Section 9.3.5.8.9 as follows:

Where pipe is used for sway bracing, it shall have a wall thickness of not less than Schedule 40.

Replace Section 9.3.5.9.4 as follows:

Lag screws or power-driven fasteners shall not be used to attach braces to the building structure.

- **Part 5 - California Plumbing Code**

- Chapter 4, Table 4-3 (Amend exception to footnote #8, Table reference, as follows)

- 8 *Twenty-four linear inches of wash sink or 18 inches of circular basin, when provided with water outlets for such space, shall be considered equivalent to the lavatory.*

Exception: The requirements of Table 4-3 do not apply to mobile crews or to normally unattended work locations provided employees at these locations have immediately available transportation to nearby toilet facilities which meet the requirements of Table 4-3.

- **Part 8 - California Historical Building Code**

- Section 8-812, Table 8-8A & Table 8-8B (Missing tables from July publication)

Chapter 8-8, Section 8-812

Table 8-8A ALLOWABLE VALUES FOR EXISTING MATERIALS

<u>EXISTING MATERIALS OR CONFIGURATIONS OF MATERIALS¹</u>	<u>ALLOWABLE VALUES</u>
	x14.594 for N/m
1. <u>Horizontal diaphragms²</u> 1.1 <u>Roofs with straight sheathing and roofing applied directly to the sheathing</u> 1.2 <u>Roofs with diagonal sheathing and roofing applied directly to the sheathing</u> 1.3 <u>Floors with straight tongue-and-groove sheathing</u> 1.4 <u>Floors with straight sheathing and finished wood flooring with board edges offset or perpendicular</u> 1.5 <u>Floors with diagonal sheathing and finished</u>	100 lbs. Per foot for seismic shear 250 lbs. Per foot for seismic shear 100 lbs. Per foot for seismic shear 500 lbs. Per foot for seismic shear 600 lbs. Per foot for seismic shear
2. <u>Crosswalls^{2,3}</u> 2.1 <u>Plaster on wood or metal lath</u> 2.2 <u>Plaster on gypsum lath</u> 2.3 <u>Gypsum wallboard, unblocked edges</u> 2.4 <u>Gypsum wallboard, blocked edges</u>	Per side: 200 lbs. Per foot for seismic shear 175 lbs. Per foot for seismic shear 75 lbs. Per foot for seismic shear 125 lbs. Per foot for seismic shear
<u>Existing footings, wood framing, structural steel and reinforced steel</u> 3.1 <u>Plain concrete footings</u> 3.2 <u>Douglas fir wood</u> 3.2 <u>Reinforcing steel</u> 3.4 <u>Structural steel</u>	$f'_c=1,500$ psi (10.34 MPa) unless otherwise shown by tests ⁴ Allowable stress same as D.F. No. 1 ⁴ $f_t=18,000$ lbs. Per square inch (124.1 M/mm ²) maximum $f_t=200,00$ lbs. Per square inch (137.9 N/mm ²) maximum ⁴

¹Material must be sound and in good condition.

²A one-third increase in allowable stress is not allowed.

³Shear values of these materials may be combined, except the total combined value shall not exceed 300 pounds per foot (4380 N/m).

⁴Stresses given may be increased for combinations of loads as specified in the regular code.

Table 8-8B ALLOWABLE VALUES OF NEW MATERIALS USED IN CONNECTION WITH EXISTING CONSTRUCTION

NEW MATERIALS OR CONFIGURATIONS OF MATERIALS	ALLOWABLE VALUES ¹
<p><u>1. Horizontal diaphragms²</u> <u>Plywood sheathing nailed directly over existing straight sheathing with ends of plywood sheets bearing on joists or rafters and edges of plywood located on center of individual sheathing boards</u> <u>Plywood sheathing nailed directly over existing diagonal sheathing with ends of plywood sheets bearing on joists or rafters</u> <u>1.3 Plywood sheathing nailed directly over existing straight or diagonal sheathing with ends of plywood sheets bearing on joists or rafters with edges of plywood located over new blocking and nailed to provide a minimum nail penetration into framing and blocking of 1 inches (41 mm)</u></p>	<p><u>225 lbs. Per foot (3283 N/m)</u></p> <p><u>375 lbs. Per foot (5473 N/m)</u></p> <p><u>75 percent of the values specified in the regular code</u></p>
<p><u>Shear walls: (general procedure)</u> <u>Plywood sheathing applied directly over wood studs. No value shall be given to plywood applied over existing plaster or wood sheathing</u></p>	<p><u>100 percent of the value specified in the regular code for shear walls</u></p>
<p><u>3. Crosswalls: (special procedure only)</u> <u>Plywood sheathing applied directly over wood studs. No value shall be given to plywood applied over existing plaster or wood sheathing</u> <u>Drywall or plaster applied directly over wood studs</u> <u>Drywall or plaster applied to sheathing over existing wood studs</u></p>	<p><u>133 percent of the value specified in the regular code for shear walls</u> <u>100 percent of the values in the regular code</u> <u>The values specified in the regular code reduced as noted.³ (UBC Table 25-I, Footnote 1)</u></p>
<p><u>4. Tension bolts</u> <u>Bolts extending entirely through unreinforced masonry walls secured with bearing plates on far side of a three-wythe-minimum wall with at least 30 square inches (19 350 mm²) of area^{4,5}</u> <u>Bolts extending to the exterior face of the wall with a 2½-inch (63.5 mm) round plate under the head and drilled at an angle of 22½ degrees to the horizontal, installed as specified for shear bolts^{4,5,7}</u></p>	<p><u>1,800 lbs. (8006 N) per bolt⁶</u> <u>900 lbs. (4003 N) per bolt for two-wythe walls⁶</u></p> <p><u>1,200 lbs. (5338 N) per bolt</u></p>
<p><u>5. Shear bolts</u> <u>Bolts embedded a minimum of 8 inches (203 mm) into unreinforced masonry walls and centered in a 2½-inch-diameter (63.5 mm) hole filled with dry-pack or nonshrink grout. Through bolts with first 8 inches (203 mm) as noted above and embedded bolts as noted in Item 4.2^{5,7}</u></p>	<p><u>½ inch (12.7 mm) diameter = 350 lbs. (1557 N)⁶</u> <u>⅝ inch (15.9 mm) diameter = 500 lbs. (2224 N)⁶</u> <u>¾ inch (19 mm) diameter = 750 lbs. (3336 N)⁶</u></p>
<p><u>6. Infilled walls</u> <u>Reinforced masonry infilled openings in existing unreinforced masonry walls. Provide keys or dowels to match reinforcing</u></p>	<p><u>Same as values specified for unreinforced masonry walls</u></p>
<p><u>7. Reinforced masonry</u> <u>Masonry piers and walls reinforced per the regular code</u></p>	<p><u>Same as values specified in the regular code</u></p>
<p><u>8. Reinforced concrete</u> <u>Concrete footings, walls and piers reinforced as specified in the regular code and designed for tributary loads</u></p>	<p><u>Same values as specified in the regular code⁸</u></p>

¹A one-third increase in allowable stress is not allowed, except as noted.

²Values and limitations are for nailed plywood. Higher values may be used for other fastening systems such as wood screws or staples when approved by the enforcing authority.

³In addition to existing sheathing value.

⁴Bolts to be ½-inch (12.7 mm) minimum diameter.

⁵Drilling for bolts and dowels shall be done with an electric rotary drill. Impact tools shall not be used for drilling holes or tightening anchors and shear bolt nuts.

⁶Other bolt sizes, values and installation methods may be used provided a testing program is conducted in accordance with regular code standards. Bolt spacing shall not exceed 6 feet. (1830 mm) on center and shall not be less than 12 inches (305 mm) on center.

⁷Embedded bolts to be tested as specified in regular code standards.

⁸Stresses given may be increased for combinations of loads as specified in the regular code