

REVISION RECORD FOR THE STATE OF CALIFORNIA EMERGENCY SUPPLEMENT

April 23, 2014

2013 Title 24, Part 2, Vol. 1, California Building Code

**PLEASE NOTE: The date of this supplement is for identification purposes only.
See the History Note Appendix for the adoption and effective dates of the provisions.**

It is suggested that the section number, as well as the page number be checked when inserting this material and removing the superseded material. In case of doubt, rely on the section numbers rather than the page numbers because the section numbers must run consecutively.

It is further suggested that the superseded material be retained with this revision record sheet so that the prior wording of any section can be easily ascertained.

Please keep the removed pages with this revision page for future reference.

Note

Due to the fact that the application date for a building permit establishes the California Building Standards Code provisions that are effective at the local level, which apply to the plans, specifications, and construction for that permit, it is strongly recommended that the removed pages be retained for historical reference.

Part 2, Vol 1

Remove Existing Pages

677 and 678
727 and 728
785 and 786

Insert Buff Pages

677 and 678
727 and 728
785 and 786

Item No. 5520S132



INTERIOR ENVIRONMENT

1226.5.11.6.9 Cleanup room. Refer to Section 1224.39.2, Item 4.

1226.5.11.6.10 Sterile and pharmaceutical supply storage. Refer to Section 1226.4.13.5.

1226.5.11.7 Additional support areas for patients.

1226.5.11.7.1 Outpatient change area. A separate space shall be provided where patients change out of their street clothing and are prepared for the procedure. This space shall include provisions for clothing storage, toilet room(s), sink, space for clothing change and gowning area.

NUCLEAR MEDICINE

1226.5.12 Nuclear medicine. When provided, nuclear medicine services space shall comply with Section 1224.34 and the provisions of this section:

1226.5.12.1 Radiation protection. When provided, refer to Section 1224.34.1.1.

1226.5.12.2 Nuclear medicine room. Refer to Section 1224.34.1.2.

1226.5.12.3 Radiopharmacy. When provided, refer to Section 1224.34.1.3.

1226.5.12.4 Support areas for nuclear medicine services.

1226.5.12.4.1 Cleanup. Refer to Section 1224.34.2.2.

1226.5.12.4.2 Dose administration area. Refer to Section 1224.34.2.5.

1226.5.12.4.3 Holding. Refer to Section 1224.34.2.6.

1226.5.12.4.4 Patient dressing rooms. Refer to Section 1224.34.2.7.

1226.5.12.4.5 Patient toilet room(s). Refer to Section 1224.34.2.8.

1226.5.12.4.6 Staff toilet room(s). Refer to Section 1224.34.2.9.

1226.5.12.4.7 Handwashing fixtures. Refer to Section 1224.34.2.10.

1226.5.12.4.8 Control desk and reception. Refer to Section 1226.5.3.

1226.5.12.4.9 Clean linen storage. A storage area for clean linen shall be provided.

1226.5.12.4.10 Soiled and contaminated material. Refer to Section 1224.34.2.13.

1226.5.12.5 Radiotherapy service space. When provided, radiotherapy service space shall comply with the following provisions of this section:

1226.5.12.5.1 Radiation protection. Refer to Section 1224.34.3.2.

1226.5.12.5.2 Room sizes. Refer to Section 1224.34.3.3.

1226.5.12.5.3 General support area. Refer to Section 1224.34.3.4.

1226.5.12.6 Additional support areas for linear accelerator.

1226.5.12.6.1 Mold room. Refer to Section 1224.34.4.1.

1226.5.12.6.2 Block room. Refer to Section 1224.34.4.2.

1226.5.12.7 Additional support areas for cobalt room.

1226.5.12.7.1 Hot lab.

1226.5.12.8 High dose rate brachytherapy room.

CANCER TREATMENT/INFUSION THERAPY

1226.5.13 Cancer treatment/infusion therapy service space. When provided, cancer treatment/infusion therapy service space shall comply with the provisions of this section:

1226.5.13.1 Treatment area.

1226.5.13.1.1 Location. Refer to Section 1224.39.4.2.1.

1226.5.13.1.2 Nurses' station(s). Refer to Section 1224.39.4.2.2.

1226.5.13.1.3 Individual patient treatment areas. Refer to Section 1224.39.4.2.3.

1226.5.13.1.4 Handwashing fixtures. Refer to Section 1224.39.4.2.4.

1226.5.13.1.5 Privacy. Refer to Section 1224.39.4.2.5.

1226.5.13.1.6 Medication dispensing. Refer to Section 1224.39.4.2.6.

1226.5.13.1.7 Examination room. Refer to Section 1224.39.4.2.7.

1226.5.13.1.8 Clean utility room. Refer to Section 1224.39.4.2.8.

1226.5.13.1.9 Soiled utility room. Refer to Section 1224.39.4.2.9.

1226.5.13.1.10 Nourishment station. Refer to Section 1224.39.4.2.10.

1226.5.13.1.11 Housekeeping room. Refer to Section 1224.39.4.2.11.

1226.5.13.1.12 Supplies. Refer to Section 1224.39.4.2.12.

1226.5.13.1.13 Storage. Refer to Section 1224.39.4.2.13.

1226.5.13.1.14 Clean linen storage. Refer to Section 1224.39.4.2.14.

1226.5.13.1.15 Patient storage. Refer to Section 1224.39.4.3.2.

PRIMARY CARE CLINICS

1226.6 PRIMARY CARE CLINICS. Primary care clinics and outpatient clinical services of a hospital providing services equivalent to a primary care clinic shall comply with Sections 1226.4.3 through 1226.4.8 and the provisions of this section.

1226.6.1 Examination and treatment areas.

1226.6.1.1 Examination room(s). Refer to Section 1224.4.4.1.

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1226.6.1.2 Treatment room(s). Treatment room(s) for minor procedures (e.g. minor surgical procedures, casting), if provided, shall have a minimum area of 120 square feet (11.15 m²), the least dimension of which shall be 10 feet (3048 mm), excluding such spaces such as vestibules and work counters, and shall meet the requirements in Section 1224.4.4.1.

1226.6.2 Support areas for examination rooms.

1226.6.2.1 Administrative center or nurse station. Refer to Section 1226.4.13.1.

1226.6.2.2 Medication station. Refer to Section 1226.4.13.2.

1226.6.2.3 Clean utility room. Refer to Section 1226.4.13.3.

1226.6.2.4 Soiled workroom or soiled linen holding. Refer to Section 1226.4.13.4.

1226.6.3 Support areas for patients.

1226.6.3.1 Patient toilet room(s). Refer to Section 1226.4.14.1.

1226.6.3.2 Specimen collection and/or blood collection facilities. When provided, refer to Section 1224.4.4.2.

1226.6.4 General support services and facilities.

1226.6.4.1 Garbage, solid waste, medical waste and trash storage. Refer to Section 1226.4.9.

1226.6.4.2 Housekeeping room. Refer to Section 1224.4.15.

1226.6.5 Public and administrative areas.**1226.6.5.1 Public area.**

1226.6.5.1.1 Reception. Refer to Section 1226.4.16.1.1.

1226.6.5.1.2 Outpatient waiting room. Refer to Section 1224.4.5.

1226.6.5.1.3 Public toilet(s). Refer to Section 1224.4.5.

1226.6.5.1.4 Public telephone access. Refer to Section 1224.4.5.

1226.6.5.1.5 Drinking fountain(s). Refer to Section 1224.4.5.

1226.6.5.2 Administrative services

1226.6.5.2.1 Medical records storage. Refer to Section 1226.4.16.2.1.

1226.6.5.2.2 Equipment and supply storage. Refer to Section 1226.4.16.2.2.

1226.6.6 Support areas for staff.

1226.6.6.1 Staff toilet(s). Refer to Section 1226.4.17.1.

1226.6.6.2 Storage for employees. Refer to Section 1226.4.17.2.

SURGICAL CLINICS

1226.8 SURGICAL CLINICS. Outpatient surgical clinics, and outpatient clinical services of a hospital providing services equivalent to a surgical clinic, shall comply with Sections 1226.4.2 through 1226.4.8 and the provisions of this section.

1226.8.1 Outpatient surgical service space.

1226.8.1.1 Operating room(s). Refer to Section 1224.39.2, Item 1.

1226.8.1.2 Preoperative patient holding. Refer to Section 1224.15.2.

1226.8.1.3 Post-anesthesia recovery area. Refer to Section 1224.16.

1226.8.2 Support areas for outpatient surgery.

1226.8.2.1 Control station. Refer to Section 1224.15.3.1.

1226.8.2.2 Supervisor's office or station. Refer to Section 1224.15.3.2.

1226.8.2.3 Substerile areas. When provided, refer to Section 1224.15.3.3.

1226.8.2.4 Medication station. Refer to Section 1226.4.13.2.

1226.8.2.5 Scrub facilities. Refer to Section 1224.15.3.5.

1226.8.2.6 Clock. Refer to Section 1224.15.3.6.

1226.8.2.7 Soiled workroom. Refer to Section 1224.15.3.7.

1226.8.2.8 Clean utility room. Refer to Section 1224.15.3.8.

ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

TABLE 1505.1^a
MINIMUM ROOF COVERING
CLASSIFICATION FOR TYPES OF CONSTRUCTION

IA	IB	IIA	IIB	IIIA	IIIB	IV	VA	VB
B	B	B	C	B	C	B	B	C

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

a. Unless otherwise required in accordance with Chapter 7A.

1505.1.1 Roof coverings within very high fire hazard severity zones. The entire roof covering of every existing structure where more than 50 percent of the total roof area is replaced within any one-year period, the entire roof covering of every new structure, and any roof covering applied in the alteration, repair or replacement of the roof of every existing structure, shall be a fire-retardant roof covering that is at least Class A.

Exception: The requirements shall not apply in any jurisdiction that adopts the model ordinance approved by the State Fire Marshal pursuant to Section 51189 of the Government Code or an ordinance that substantially conforms to the model ordinance and transmits a copy to the State Fire Marshal.

1505.1.2 Roof coverings within state responsibility areas. The entire roof covering of every existing structure where more than 50 percent of the total roof area is replaced within any one-year period, the entire roof covering of every new structure and any roof covering applied in the alteration, repair or replacement of the roof of every existing structure shall be a fire-retardant roof covering that is at least Class B.

Exception: Areas designated as moderate fire hazard severity zones.

1505.1.3 Roof coverings within all other areas. The entire roof covering of every existing structure where more than 50 percent of the total roof area is replaced within any one-year period, the entire roof covering of every new structure, and any roof covering applied in the alteration, repair or replacement of the roof of every existing structure, shall be a fire-retardant roof covering that is at least Class C.

1505.1.4 Roofing requirements in a Wildland-Urban Interface Fire Area. Roofing requirements for structures located in a Wildland-Urban Interface Fire Area shall also comply with Section 705A.

1505.2 Class A roof assemblies. Class A roof assemblies are those that are effective against severe fire test exposure. Class A roof assemblies and roof coverings shall be listed and identified as Class A by an approved testing agency. Class A roof assemblies shall be permitted for use in buildings or structures of all types of construction.

Exceptions:

1. Class A roof assemblies include those with coverings of brick, masonry or an exposed concrete roof deck.
2. Class A roof assemblies also include ferrous or copper shingles or sheets, metal sheets and shingles,

clay or concrete roof tile or slate installed on non-combustible decks or ferrous, copper or metal sheets installed without a roof deck on noncombustible framing.

3. Class A roof assemblies include minimum 16 oz/sq. ft. (0.0416 kg/m²) copper sheets installed over combustible decks.

1505.3 Class B roof assemblies. Class B roof assemblies are those that are effective against moderate fire-test exposure. Class B roof assemblies and roof coverings shall be listed and identified as Class B by an approved testing agency.

1505.4 Class C roof assemblies. Class C roof assemblies are those that are effective against light fire-test exposure. Class C roof assemblies and roof coverings shall be listed and identified as Class C by an approved testing agency.

1505.5 Nonclassified roofing. Nonclassified roofing is approved material that is not listed as a Class A, B or C roof covering.

1505.6 Fire-retardant-treated wood shingles and shakes. Fire-retardant-treated wood shakes and shingles are wood shakes and shingles complying with UBC Standard 15-3 or 15-4 which are impregnated by the full-cell vacuum-pressure process with fire-retardant chemicals, and which have been qualified by UBC Standard 15-2 for use on Class A, B or C roofs.

Fire-retardant-treated wood shakes and shingles shall comply with ICC-ES EGI07 and with the weathering requirements contained in Health and Safety Code Section 13132.7(j). Each bundle shall bear labels from an ICC accredited quality control agency identifying their roof-covering classification and indicating their compliance with ICC-ES EGI07 and with the weathering requirements contained in Health and Safety Code Section 13132.7(j).

Health and Safety Code Section 13132.7(j). No wood roof covering materials shall be sold or applied in this state unless both of the following conditions are met:

- (1) The materials have been approved and listed by the State Fire Marshal as complying with the requirements of this section.
- (2) The materials have passed at least five years of the 10-year natural weathering test. The 10-year natural weathering test required by this subdivision shall be conducted in accordance with standard 15-2 of the 1994 edition of the Uniform Building Code at a testing facility recognized by the State Fire Marshal.

1505.7 Special purpose roofs. Special purpose wood shingle or wood shake roofing shall conform with the grading and application requirements of Section 1507.8 or 1507.9. In addition, an underlayment of ⁵/₈-inch (15.9 mm) Type X water-resistant gypsum backing board or gypsum sheathing shall be placed under minimum nominal ¹/₂-inch-thick (12.7 mm) wood structural panel solid sheathing or 1-inch (25 mm) nominal spaced sheathing.

1505.8 Building integrated photovoltaic systems. Rooftop installed building integrated photovoltaic systems that serve

ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

as the roof covering shall be *listed and labeled for fire classification* in accordance with Section 1505.1.

1505.9 Photovoltaic panels and modules. *Effective January 1, 2015. Rooftop mounted photovoltaic systems shall be tested, listed and identified with a fire classification in accordance with UL 1703. The fire classification shall comply with Table 1505.1 based on the type of construction of the building.*

SECTION 1506 MATERIALS

1506.1 Scope. The requirements set forth in this section shall apply to the application of roof-covering materials specified herein. Roof coverings shall be applied in accordance with this chapter and the manufacturer's installation instructions. Installation of roof coverings shall comply with the applicable provisions of Section 1507.

1506.2 Compatibility of materials. Roofs and roof coverings shall be of materials that are compatible with each other and with the building or structure to which the materials are applied.

1506.3 Material specifications and physical characteristics. Roof-covering materials shall conform to the applicable standards listed in this chapter. In the absence of applicable standards or where materials are of questionable suitability, testing by an approved agency shall be required by the building code official to determine the character, quality and limitations of application of the materials.

1506.4 Product identification. Roof-covering materials shall be delivered in packages bearing the manufacturer's identifying marks and approved testing agency labels required in accordance with Section 1505. Bulk shipments of materials shall be accompanied with the same information issued in the form of a certificate or on a bill of lading by the manufacturer.

SECTION 1507 REQUIREMENTS FOR ROOF COVERINGS

1507.1 Scope. Roof coverings shall be applied in accordance with the applicable provisions of this section and the manufacturer's installation instructions.

1507.2 Asphalt shingles. The installation of asphalt shingles shall comply with the provisions of this section.

1507.2.1 Deck requirements. Asphalt shingles shall be fastened to solidly sheathed decks.

1507.2.2 Slope. Asphalt shingles shall only be used on roof slopes of two units vertical in 12 units horizontal (17-percent slope) or greater. For roof slopes from two units vertical in 12 units horizontal (17-percent slope) up to four units vertical in 12 units horizontal (33-percent slope), double underlayment application is required in accordance with Section 1507.2.8.

1507.2.3 Underlayment. Unless otherwise noted, required underlayment shall conform to ASTM D 226, Type I, ASTM D 4869, Type I, or ASTM D 6757.

1507.2.4 Self-adhering polymer modified bitumen sheet. Self-adhering polymer modified bitumen sheet shall comply with ASTM D 1970.

1507.2.5 Asphalt shingles. Asphalt shingles shall comply with ASTM D 225 or ASTM D 3462.

1507.2.6 Fasteners. Fasteners for asphalt shingles shall be galvanized, stainless steel, aluminum or copper roofing nails, minimum 12 gage [0.105 inch (2.67 mm)] shank with a minimum $\frac{3}{8}$ inch-diameter (9.5 mm) head, of a length to penetrate through the roofing materials and a minimum of $\frac{3}{4}$ inch (19.1 mm) into the roof sheathing. Where the roof sheathing is less than $\frac{3}{4}$ inch (19.1 mm) thick, the nails shall penetrate through the sheathing. Fasteners shall comply with ASTM F 1667.

1507.2.7 Attachment. Asphalt shingles shall have the minimum number of fasteners required by the manufacturer, but not less than four fasteners per strip shingle or two fasteners per individual shingle. Where the roof slope exceeds 21 units vertical in 12 units horizontal (21:12), shingles shall be installed as required by the manufacturer.

1507.2.7.1 Wind resistance. Asphalt shingles shall be tested in accordance with ASTM D 7158. Asphalt shingles shall meet the classification requirements of Table 1507.2.7.1(1) for the appropriate maximum basic wind speed. Asphalt shingle packaging shall bear a label to indicate compliance with ASTM D 7158 and the required classification in Table 1507.2.7.1(1).

Exception: Asphalt shingles not included in the scope of ASTM D 7158 shall be tested and labeled to indicate compliance with ASTM D 3161 and the required classification in Table 1507.2.7.1(2).

**TABLE 1507.2.7.1(1)
CLASSIFICATION OF ASPHALT
ROOF SHINGLES PER ASTM D 7158^a**

NOMINAL DESIGN WIND SPEED, V_{asd}^b (mph)	CLASSIFICATION REQUIREMENT
85	D, G or H
90	D, G or H
100	G or H
110	G or H
120	G or H
130	H
140	H
150	H

For SI: 1 foot = 304.8 mm; 1 mph = 0.447 m/s.

a. The standard calculations contained in ASTM D 7158 assume exposure category B or C and building height of 60 feet or less. Additional calculations are required for conditions outside of these assumptions.

b. V_{asd} shall be determined in accordance with Section 1609.3.1.

HISTORY NOTE APPENDIX

California Building Code Title 24, Part 2, California Code of Regulations (CCR)

For prior code history, see the History Note Appendix to the *California Building Code (CBC)*, 2010 Triennial Edition effective January 1, 2011.

1. BSC 03/12, SFM 02/12, OSHPD 03/12 & 04/12, DSA-SS 02/12, HCD 06/12, HCD 08/12, DSA-AC 01/12, BSCC 01/12, CDPH 01/12, SLC 01/12 — Adoption of the 2012 edition of the *International Building Code* published by the International Code Council, for incorporation into the *2013 California Building Code*, CCR Title 24, Part 2 with amendments for State regulated occupancies effective on January 1, 2014.
2. Errata to correct editorial errors within the preface as well as throughout various chapters in this code. Effective January 1, 2014.
3. OSHPD EF 01/14—Emergency regulations based on AB 980 (Chapter 663 Statutes of 2013). Delete Section 1226.7, Chapter 12, Part 2, Title 24. Approved as an emergency on April 22, 2014, filed with Secretary of State on April 23, 2014 and effective April 23, 2014.
4. SFM EF 01/14—Emergency regulations to amend Section 1505.9, Chapter 15, Part 2, Title 24 for a delayed effective date of UL 1703 fire classification. Approved as an emergency on April 22, 2014, filed with Secretary of State on April 23, 2014 with a delayed effective date of January 1, 2015.



Testing for the 2013 California Codes Begins January 1, 2014

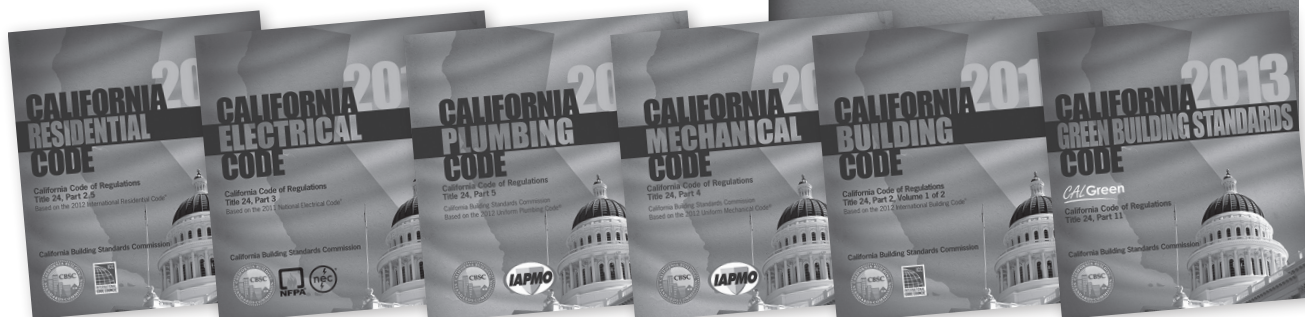
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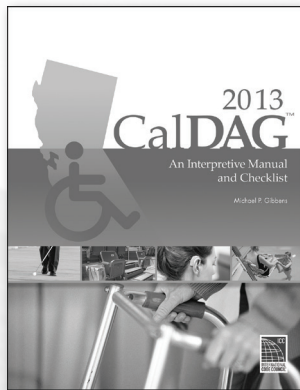
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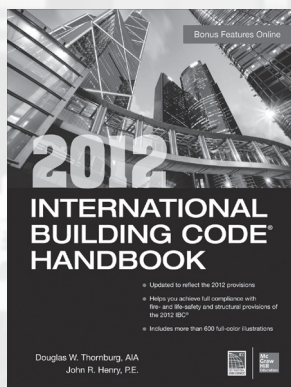
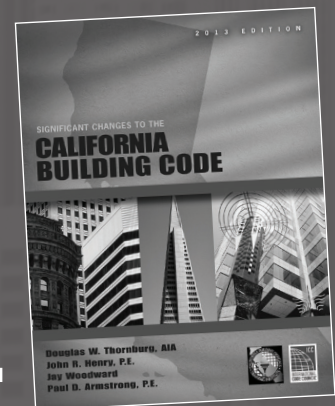
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