

# SUMMARY OF CALIFORNIA CODE CHANGES

In the 2025 edition of Title 24

July 2025



**C A L I F O R N I A**  
BUILDING STANDARDS COMMISSION



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Some of CBSC's publications available on the website's [Resources page](#):

Guide to Title 24

Public Guide to the Building

It's Your Building Department

Standards Adoption Process

Guide for Local Amendments of

Frequently Asked Questions

Building Standards

Glossary of Terms

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## INTRODUCTION

During the 2024 Triennial Code Adoption Cycle, California state agencies reviewed the most recent editions of national model codes and standards, and made amendments and additions to most parts of the California Building Standards Code, Title 24 of the California Code of Regulations (Title 24). This publication contains information regarding substantive California changes of interest to code users as they familiarize themselves with the 2025 edition of Title 24. For ease of reading, this document uses all normal font style (no italics). When looking at Title 24, it is a good idea to learn about and understand the various margin markings, banners and text styles that will indicate where changes have been made to the code and what amendments are model code changes versus California amendments. An explanation of margin markings can be found in the preface of each part of Title 24.

### **State agency acronyms that may be used in this publication**

BSC – Building Standards Commission  
CEC – California Energy Commission  
DCA – Department of Consumer Affairs, Veterinary Medical Board  
DSA – Division of the State Architect  
DWR – Department of Water Resources  
HCD – Department of Housing and Community Development  
OSHDP – Office of Statewide Hospital Planning and Development  
SFM – State Fire Marshal

For the applications of amendments adopted by the various state agencies, reference Chapter 1 of each part of Title 24.

### **The parts of Title 24 may be abbreviated as follows:**

CBC – California Building Code, Part 2, Volumes 1 and 2  
CRC – California Residential Code, Part 2.5  
CMC – California Mechanical Code, Part 4  
CPC – California Plumbing Code, Part 5  
CWUIC – California Wildland-Urban Interface Code, Part 7  
CFC – California Fire Code, Part 9  
CEBC – California Existing Building Code, Part 10  
CALGreen – California Green Building Standards Code, Part 11  
CRSC – California Referenced Standards Code, Part 12

To avoid confusion with other acronyms, abbreviations are not used for the California Administrative Code (Part 1), California Electrical Code (Part 3) or California Energy Code (Part 6).

Note that there were no significant updates to the California Historical Building Code, Part 8 of Title 24, or Part 12, the Referenced Standards Code, so they are not included in this summary. There are no changes to Part 8 because the State Historical Building Safety Board adopted the 2025 California Historical Building Code by carrying forward existing provisions from the 2022 edition without further amendment.

### **Model code developers:**

Every three years the national model codes and standards are published, and by law California is required to incorporate specific model codes and standards into Title 24. The model code publishers often issue significant code change documents explaining national code updates and the reasons for them. Links are provided below to assist in searching for this information for each of the publishers.

IAPMO – The International Association of Plumbing and Mechanical Officials  
(Parts 4 and 5)

[2024 Uniform Mechanical and Plumbing Code publication webpage](#)

ICC – The International Code Council (Parts 2, 2.5, 7, 9 and 10)

[ICC's 2024 Significant Changes publications](#) (search each title separately)

NFPA – National Fire Protection Association (Part 3)

[2023 National Electrical Code Guide to Changes](#)

In 2024, the model codes published by ICC underwent a substantial formatting change as part of their digital transformation strategy to improve the user experience and enhance readability by providing a cleaner, more modern look. All parts of Title 24 that are published by ICC—Parts 1, 2, 2.5, 6, 7, 8, 9, 10, 11 and 12—display the new single-column format. Parts 3, 4 and 5, published by NFPA and IAPMO, retain the previous formatting style.

Additionally, some section renumbering occurred to align with the new structure, and existing California amendments made obsolete by new model code language have been repealed and deleted from the code.

Also, in 2021 the Office of Statewide Hospital Planning and Development (OSHPD) was renamed the Department of Health Care Access and Information (HCAI). Within HCAI, divisions were renamed “offices” and the building code development unit is now within HCAI’s Office of Statewide Hospital Planning and Development (OSHPD); therefore, the acronym used in Title 24 banners to indicate adoption by OSHPD will not change.

Please watch the California Building Standards Commission’s (CBSC) video [About Title 24](#) to learn about the code's layout and contributing state agencies. For more in-depth information, visit CBSC’s [Resources webpage](#) to view and download educational publications such as a [Guide to Title 24](#).

**Tips for reviewing this summary:**

- Headings are generally shown as “Section # Section Name” unless otherwise as necessary for clarity.
- Use the bookmarks tool to quickly scan for sections of interest.



## CALIFORNIA ADMINISTRATIVE CODE – PART 1

### Chapter 1 – Building Standards Commission

#### **1-101 Abbreviations**

Added an entry for HCAI and corrected the entry for OSHPD.

#### **1-407 Initial rulemaking file submittals by a state proposing agency**

Changed to accept digital signatures, accept single soft copies of documents, and clarify signature requirements for the Economic and Fiscal Impact Statement (Form STD 399).

#### **1-408. Certification of delegation of authority**

Changed to accept digital signatures.

#### **1-411 Public comment rulemaking file submitted by a state proposing agency**

Changed to accept one copy of various required documents.

#### **1-413 Public comments and related actions**

Removed the note referencing a public comment form on the website.

#### **1-415 Final rulemaking file by state proposing agencies**

Requirements changed to accept digital signatures, accept single copies, clarify documentation of public hearings, clarify the statement necessary if supporting documents are added after the NOPA is published, and clarify requirements when changes are made after the NOPA is published. Also repealed confusing language about the Informative Digest and the memo attesting to a 45-day public comment period.

#### **1-419 Emergency building standards**

Changed to accept one copy of various required documents.

### Chapter 3 – State Fire Marshal

#### **3-104 Application of building standards**

Added a reference to the new California Wildland-Urban Interface Code, Part 7 of Title 24.

### Chapter 4 – Division of the State Architect – Structural Safety

#### **Sections 4-205, 4-305, 4-402, 4-405**

Added a reference to the new California Wildland-Urban Interface Code, Part 7 of Title 24.

#### **4-309(a) Reconstruction or alteration projects in excess of \$100,000 in cost**

Replaced “modifications” with “reconstruction, alteration, or addition” to clarify intent and provide consistency of language with the CEBC.

#### **4-310 School garages, warehouses, storage and similar buildings, dwellings for employees and miscellaneous structures**

As a result of AB 358 (Chapter 83, Statutes of 2023), updated language to note community college student housing buildings are exempted from the Field Act.

#### **4-314. Definitions**

Added the definition of “Laboratory of Record” to coordinate with language updates and reorganization to create new Article 11 in this chapter.

#### **4-317(e). Plans, specifications, calculations and other data**

Added a new exception that allows repair of damage caused by means not related to natural or manmade disaster (e.g. dry rot, vehicle impact) on a school building within 50 feet of fault trace.

#### **4-318(a) Procedure for approval of application and voidance of application**

Added editorial revisions to current language that utilizes terms such as “prints,” “tracings,” “reproducible sheets,” which are tied to a paper-based system and not in alignment with current electronic media and submittal processes.

#### **4-318(c) Voidance of application, 4-319 Withdrawal of application, and 4-420 Fees**

Clarified amount of refund of fees when work has not yet commenced (checking work or construction) on a project (or subsequent increments) to align with current practice.

#### **Various Sections within Group 1, Articles 5 and 6**

Relocated and modified various sections from these articles to new Articles 10 and 11.

#### **4-333 Observation and inspection of construction**

##### **4-333(b) Inspection by a project inspector or assistant inspector**

Added language to include assistant inspectors (and removed 4-333(d) Items 3-4).

Added language to clarify each inspector’s responsibility to the governing board, including any inspector involved with or providing inspection related activities or services to the district, while also emphasizing that inspectors ultimately report to DSA for enforcement of plans and specifications of the project.

##### **4-333(d) Assistant inspectors**

Added requirement that Assistant Inspectors (AI) must meet same project approval requirements as Project Inspectors (PI) for projects inspected by AI. Removed #3-4 and relocated #2 to 4-361.4, with modifications.

##### **4-333.1 Project inspector certification.**

Relocated this section to new Article 10 in this chapter and modified language to improve clarity.



#### **4-335(f) Structural tests and special inspections**

Removed minimum age requirements and added minimum educational requirements for special inspectors for consistency with Project Inspectors and DSA Certified Special Inspectors.

#### **4-335(f)4.A Special inspector daily reports**

Removed requirement for Special Inspector (SI) daily reports to PI within seven days since PI to receive those sooner (within one business day).

#### **4-335.1 DSA Laboratory of record**

Relocated portions of the former language to new Article 11 and modified language to improve clarity.

#### **4-342 Duties of the project inspector**

##### **4-342(b) Duties**

Added language specifying 48-hours prior notification by the PI to DSA for structural steel erection.

##### **4-342(c) Violations through 4-342(g) Filing an appeal**

Relocated items to new Article 10 and modified language to improve clarity.

#### **Group 1, Article 8**

Repealed Sections 4-350 and 4-351 to remove conflicts.

#### **Group 1, Article 10**

Created new Article 10. Inspector Certification (Sections 4-360 through 4-369) to consolidate and clarify inspector certification, professional conduct, discipline, appeals, and reinstatement requirements.

#### **Group 1, Article 11**

Created new Article 11. Laboratory Acceptance (Sections 4-370 through 4-378) to consolidate and clarify laboratory acceptance, professional conduct, discipline, appeals, and reinstatement requirements.

#### **4-411 Definitions**

Added definitions for “Classroom” and “Shade Structure” to clarify broad terms frequently reflected in project designs.

## **Chapter 5 – Division of the State Architect – Access Compliance**

#### **Section 5-101 Purpose**

Added exception to align with AB 306 (Chapter 49, Statutes of 2021) and AB 358 (Chapter 83, Statutes of 2023), exempting teacher or district employee dwellings and community college student housing buildings from DSA review for access compliance.

## **Chapter 6 – Office of Statewide Hospital Planning and Development – Seismic Evaluation Procedures for Hospital Buildings**

### **Article 1. Definitions and Requirements**

Added and amended various sections within Article 1 as a result of the enactment of AB 869 (Chapter 801, Statutes of 2024), which establishes a process for small, rural, critical access and district hospitals, as well as hospitals that are recipients of the Distressed Hospital Loan Program, to seek a delay of up to three years to the seismic safety compliance deadline of January 1, 2030, and also provides HCAI with discretion to extend the delay by an additional two years.

### **1.2 Definitions**

Repealed the definitions of “Administrative Extension” and “Critical Community Provider” because the timeframe to request an extension has expired.

### **1.5.2 Delay in compliance**

Amended language to align the NPC compliance requirements and dates with existing statutory mandate and repealed SPC compliance requirements that are no longer applicable per AB 2190 (Chapter 673, Statutes of 2018).

### **Sections 11.3.1 and 11.3.2**

Repealed the torque testing requirements for bolts with no tension as there is no specific test for shear.

## **Chapter 7 – Office of Statewide Hospital Planning and Development – Safety Standards for Health Facilities**

### **7-101 Scope**

Amended language to add HSC Section 129850 that provides OSHPD has broad statutory authority to make any regulations that it deems necessary, proper, or suitable to carry out the Alfred E. Alquist Hospital Facilities Seismic Safety Act of 1983 (HSSA 83).

### **7-111 Definitions**

Amended the definitions of: “Freestanding” to clarify that a building does not have to be adjacent to another building to be freestanding and the separation requirements apply to all adjacent buildings (and not limited to hospital buildings only); and “Office” for consistency with the creation of the Department of Health Care Access and Information (HCAI) and the renamed Office of Statewide Hospital Planning and Development (OSHPD).

### **7-115 Preparation of construction documents and reports**

Amended language: Allows fire protection engineers to prepare plans and specifications for fire protection systems; assures compliance with HSC Section 129805(a); and clarifies that only OSHPD Preapproved Details (OPDs) and distribution system preapprovals are required to be inserted in the construction documents.

## Section 7-153 Changes to the approved work

Repealed subsections (b)1 and 2 because HCAI does not have the authority.



## Chapter 10 – California Energy Commission

Please visit the [California Energy Commission's website](https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/online-resource-center/overview) for updates.

[energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/online-resource-center/overview](https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/online-resource-center/overview)

## CALIFORNIA BUILDING CODE – PART 2

### Chapter 1 – Scope and Administration

#### Division of the State Architect

##### **104.2.3 (formerly 104.11) Alternative materials, design and methods of construction and equipment**

Added new banners and amended language to clarify that the new model code exception regarding use of International Code Council Performance Code is not permitted by DSA.

#### Office of Statewide Hospital Planning and Development

##### **1.10.2 OSHPD 2**

Removed references to OSHPD 2A and 2B as there is no longer a difference in requirements between skilled nursing facilities that are single-story wood frame or light steel construction and multi-story facilities.

##### **1.10.6 OSHPD 6**

Added a new banner and description to identify the requirements for Chemical Dependency Recovery Hospitals (CDRH). The OSHPD 6 designation incorporates AB 2096 (Chapter 233, Statutes 2022) into regulations.

## **State Fire Marshal**

### **1.11.2.4 Request for alternate means of protection**

Updated the reference pointer to California Code of Regulations (CCR) Title 19 due to program changes in the requirements of Risk Management Plans and the handling of hazardous materials under the oversight of CalEPA (AB 148, Stats. 2021). These programs were previously in Title 19, Division 2 (CalOES), but are now located in Title 19, Division 5 (CalEPA), and have been effective as of March 6, 2024.

### **1.11.4.4 Fire clearance pre-inspection**

Corrected the reference pointer that delegates authority from the State Fire Marshal to the local fire prevention enforcement authority (Health and Safety Code Sections 13145 and 13146).

### **101.4.8 Wildland-Urban Interface**

Added a new administrative section to reference the newly adopted California Wildland-Urban Interface Code (CWUIC), Part 7 of Title 24. The adoption of the CWUIC has affected provisions and references in CBC Chapters 2, 3, and 7A, and will be addressed in this summary. Chapter 7A has been removed from the CBC and relocated in Part 7.

## **Chapter 2 – Definitions**

### **State Fire Marshal**

#### **Definitions related to Chapter 7A**

Repealed and deleted all definitions with reference to Chapter 7A. Chapter 7A provisions have been relocated to the new California Wildland-Urban Interface Code, Part 7 of Title 24.

### **Division of the State Architect**

#### **Multi-bedroom Housing Unit**

Amended definition to change the term “toilet and bathing rooms” to “bathroom(s)”

#### **Next Generation Attenuation West**

Repealed this definition as it is no longer used in the code.

#### **Public-Occupancy Temporary Structure**

Added an amendment to clarify that the definition does not apply to school buildings as defined in Section 4-314 of the California Administrative Code.

## **Chapter 3 – Occupancy Classification and Use**

### **Department of Housing and Community Development [HCD]**

#### **310.3 Residential Group R-2 and 310.4 Residential Group R-3**

Amended the model code language in relation to nontransient hotels and motels specifying that all nontransient hotels and motels, regardless of number of guest rooms, shall be classified as Occupancy Group R-2.

### **310.4.2 Lodging houses**

Amended the automatic sprinkler system installation requirements and replaced “P2904” with a reference pointer to CRC R309.1.1.

## **State Fire Marshal**

### **304.1 Business Group B**

Editorial correction to align ambulatory care facilities with the provisions of the California Fire Code (Part 9, title 24) as a Business Group B occupancy.

### **305.2 Group E, child-care facilities, exception**

Amended existing exception to Group E child-care facilities, allowing the facilities to operate when they comply with special requirements, aimed at expanding child-care services and upholding fire and life safety practices, and in compliance with Assembly Bill 176, Chapter 998 (2024).

### **308.5.1 Classification as Group E, special provisions**

This model code section was deleted from the 2022 CBC. Assembly Bill 176, Chapter 998 (2024) required language from the 2019 CBC to be re-incorporated to provide clarification for local jurisdictions regarding child day care for more than six but not more than 100 children under 36 months of age.

## **Chapter 4 – Special Detailed Requirements**

## **State Fire Marshal**

### **403.2.1.1 Type of construction**

Corrected the Item #1 exception by deleting model code language “columns supporting floors,” which was an existing amendment that was not carried forward in the 2022 CBC.

### **403.3.1 Number of sprinkler system risers and system design**

Incorporated an existing amendment regarding the requirements of sprinkler systems that are hydraulically designed. The terms “standpipe” and “vertical water supply zones” in this section clarify the requirements of codes and referenced standards.

### **403.3.1.2 Buildings more than 420 feet in height**

Clarified that there are differences in requirements for buildings having a height greater than 420 feet (128 m) and in Section 403.3.1.1 buildings having a height less than 420 feet (128 m). Included requirement for sprinkler systems to be supplied from two risers to limit the impact of a single-point failure of a standpipe or sprinkler express riser.

### **403.5.3 Stairway door operation**

Repealed an amendment regarding failure of electrical power to the locking mechanism as it is now in the adopted model code language.



#### **404.12 Group I and R 2.1 occupancy means of egress**

Added treatment rooms to the egress requirements to clarify that patient sleeping rooms and patient treatment rooms are not permitted to pass through the atrium for means of egress. Aligns with the National Fire Protection Association 101 (NFPA 101).

#### **406.9.2 Ventilation**

Corrected the reference pointer from Section 1203 to 1202, to align with model code renumbering.

#### **407.4.4.1 Exit access through care suites**

Repealed an amendment regarding egress through an adjacent care suite to align with the requirements of NFPA 101. Section 407.4.4.3 includes the requirement.

#### **Section 407.4.4.2 Separation**

Repealed redundant amendment language regarding requirements for separation using a one-hour fire barrier.

#### **Section 407.4.4.3 Access to a corridor**

Repealed an amendment regarding travel from habitable rooms. Adopted model code language clarifies that movement in a care suite is limited to 100 feet of travel to a door leading to an exit corridor or a horizontal exit.

#### **407.4.4.3.1 One intervening room (repealed) Sleeping Room (new)**

Repealed amendment regarding movement from habitable rooms through more than one intervening room and replaced with a new amendment to clarify that sleeping rooms shall be limited to one intervening room.

#### **407.4.4.4 Reserved**

Deleted model code **Section 407.4.4.4 Circulation paths within a care suite** because it conflicts with care suite circulation path requirements in California for unrated corridors in I-2 occupancies.

#### **407.4.4.5.3 Travel distance (repealed)**

Repealed California amendment since the adopted model code provides the same provisions in section 407.4.4.3.

#### **408.9.1 Smoke venting**

Added amendment clarifying that I-3 Occupancy Condition #9, where venting is provided that such venting applies to each housing pod. Also Exceptions 3, 4, and 5 are deleted.

#### **408.13 Windows**

Updated reference pointer for security glazing testing standards from American Society for Testing and Materials' ASTM F1233-98 to ASTM F-1915. Deleted reference to California Department of Corrections and Rehabilitation Appendix H glazing standard as well.

#### **408.16 Vehicle sallyports**

Added amendment to specify a two-hour fire barrier separation and to clarify that solid roofs in vehicle sallyports shall be fully sprinklered per National Fire Protection Association standard, NFPA 13.

#### **Section 422.7 Domestic cooking**

Added amendment to clarify requirements for installation of cooking appliances in fully-sprinklered buildings. Item 6 added with reference pointer to Section 708.

## **Chapter 5 – General Building Heights and Areas**

### **State Fire Marshal**

#### **Table 504.3 Allowable building height in feet above grade plane**

Reinstated an existing amendment (erroneously not printed in the 2022 CBC) to the I-2 occupancy classification to correct the building height values to indicate “NP” (not permitted) for construction Types IIIB and VB.

#### **506.2.1 Single-occupancy buildings. Equation 5-2**

Corrected and clarified existing amendment related to total allowable area calculations for a single-occupancy building more than two stories above grade plane. Existing amendments associated with Equation 5-2 were unintentionally omitted during the last model code adoption when several model code changes occurred in allowable area formulas.

A maximum of  $S_a=2$  multiplier is allowed for Groups A, E, H, I, L, and R occupancies, high-rise buildings, and other applications listed in Section 1.11 regulated by the Office of the State Fire Marshal. A maximum of  $S_a=3$  multiplier is allowed for all the other buildings.  $S_a=4$  multiplier is not allowed in California.

#### **508.2.4 Separation of occupancies**

Modified the existing amendment of Exception Item 4 to remove reference to vehicle sallyports and repealed the exception to separation requirements for I-3 occupancy groups.

#### **508.3.3 Separation**

Repealed Exception Item 3, that required separation between Group I-3 occupancies and vehicle sally ports. Additionally, Exception Item 4 is renumbered to Item 3.

## **Chapter 7 – Fire and Smoke Protection Features**

### **State Fire Marshal**

#### **707.5 Continuity**

Added amendment regarding termination of fire barriers required for incidental use rooms per CBC Table 509.1 in I-2 occupancies. Added Items 4 and 5 to clarify applicability of fire resistance ratings in I-2 occupancies.

## **Chapter 7A – Materials and Construction Methods for Exterior Wildfire Exposure**

### **State Fire Marshal**

Deleted Chapter 7A from CBC and relocated the requirements to the California Wildland-Urban Interface Code, Part 7, Title 24. Added a “User Note” to point to CBC Section 101.4.8 for administrative requirements and applicability of buildings and structures located in the wildland-urban interface (WUI) or a Fire Hazard Severity Zone.

## **Chapter 8 – Interior Finishes**

### **State Fire Marshal**

#### **Table 803.13 Interior wall and ceiling finish requirements by occupancy**

For Group I-2, corrected footnote “n” to indicate footnote “o.”

## **Chapter 9 – Fire Protection Systems**

### **State Fire Marshal**

#### **Section 903.3.1.1.1 Exempt locations**

Renumbered items for exempt locations to accommodate deletion of Item #1 in the model code. Deleted amendment Item #6 in the list regarding elevator hoistways, machine rooms, machinery spaces, control spaces and control rooms.

#### **903.4.3 Alarms**

Deleted existing amendment regarding visible alarm notification and reference pointer to Section 907.

#### **907.2.12 Special amusement areas**

Repealed existing amendments in Sections 907.2.12.1 - 907.2.12.3 as these sections do not exist in 2024 IBC and blended the existing amendment regarding exit access into the new model code language. The same modifications are made to Section 907.2.12 in the California Fire Code (Part 9 of Title 24).

#### **915.4.4 Interconnection**

Replaced new model language with existing HCD amendment that SFM co-adopted to align with the same amendment in the California Fire Code.

#### **915.6.1 Enclosed parking garages**

New amendment to coordinate with the existing provision in Section 915.6.1 the California Fire Code.

## Chapter 10 – Means of Egress

### State Fire Marshal

#### 1010.2.3 Hardware height

Replaced reference pointer to the International Swimming Pool and Spa Code with reference to the California Building Code. The International Swimming Pool and Spa Code is not adopted in Title 24.

#### Table 1020.2 Corridor fire-resistance rating

Modified existing amendments to repeal the line-item amendment for occupancy Group E, and to require one-hour fire resistance rating for corridors with sprinklers in occupancy Group I-4.

#### 1026.6 Two-way communication

Specified that two-way communication systems must be installed in all horizontal exit compartments. An exception for I-2 and I-3 facilities is provided.

## Chapter 11A – Housing Accessibility

### Department of Housing and Community Development

#### 1101A.1 Scope and 1102A.1 Where required

Removed Chapter 11A from the requirements for newly constructed covered multifamily dwellings which can also be defined as public housing. These occupancies shall continue to be subject to the requirements of Chapter 11B.

## Chapter 11B – Accessibility to Public Buildings

### Division of the State Architect – Access Compliance

#### 11B-213.2 Toilet rooms and bathing rooms

Repealed Exception #5 to eliminate duplicative language with the exception in Section 11B-603.6.

#### 11B-224 Transient lodging guest rooms, housing at a place of education and social service center establishment

Amended scoping requirements for Section 11B-224 applicable to transient lodging facilities and housing at a place of education. To distinguish the requirements for each, DSA removed “dormitories” as an example of “similar transient lodging facilities” and included “housing at a place of education.”

#### 11B-228.3 Electric vehicle charging stations

##### 11B-228.3.2 Minimum number

Provided clarity in the exceptions by separating the types of drivers and vehicles that are exempted, i.e. general public/individual EV driver or fleet vehicles.

#### **11B-233.3.1.2.6 Public housing facility site impracticality**

##### **11B-233.3.1.2.6.5 Additional requirements**

Added new introductory language relative to buildings without elevators and where site impracticality test numbers one, two, or three reduce the required number of residential dwelling units with adaptable features and requirements for the remaining dwellings units.

#### **11B-603.6 Guest room toilet and bathing rooms**

Clarified this requirement is only applicable to transient lodging facilities, and not to housing at a place of education. The requirements for bathrooms in residential dwelling units with adaptable features in housing at a place of education are required to comply with the Fair Housing Act, which provides greater accessibility to bathrooms in units that are not required to provide mobility features.

#### **11B-705.1.2.5 Blended transitions**

Amended to clarify detectable warnings at blended transitions shall be 36 inches in depth (previously width) and extend the entirety of the transition separating the walk or sidewalk from the vehicular way.

#### **11B-806.2.3.1 Personal lift device floor space**

Amended technical requirements for personal lift device clear floor space to clarify the requirement is applicable to transient lodging where the underside of the bed may be blocked.

#### **11B-806.2.4.1 Vanity countertop space**

Added “bathrooms” to types of facilities in transient lodging and housing at a place of education where this requirement applies.

#### **11B-809.1 General**

Clarified references for residential units with mobility features and updated referenced section numbers. Added a reference pointer to residential units with adaptable features.

##### **11B-809.1.1 Door signal devices**

Added requirements for signal devices on the primary entry door to a residential dwelling unit with mobility features in buildings with three or more dwelling units for consistency with requirements for public housing units with adaptable features.

##### **11B-809.1.2 Viewing devices**

Added requirements for a lower viewing device at the primary entry door to a residential dwelling unit with mobility features, if a viewing device is provided in other units at a standing height.

##### **11B-809.1.3 Washing machines and clothes dryers**

Added the requirement that washing machines and clothes dryers in units with mobility features shall be front loading and equivalent type as provided in comparable dwelling units without mobility features.



### **11B-809.6 Residential dwelling units with adaptable features**

Removed the reference to “multifamily” from the residential dwelling units with adaptable features. The term defines the unit and not a multifamily building.

### **11B-809.8 Doors**

Amended for clarity and to remove conflicts with Section 11B-404.2. Moved existing exceptions to Section 11B-809.8.3.1.

#### **11B-809.8.1 Door thresholds**

Amended to clarify primary entry doors, required exit doors, and interior doors intended for user passage shall have thresholds of no more than ½” high (to comply with 11B-404.2.5).

#### **11B-809.8.2 Door opening force**

Added a pointer for door opening force to Section 11B-404.2.9 with an added exception.

#### **11B-809.8.3 Door maneuvering clearance**

Added language that clearances at doors shall extend the full width of the doorway including the required latch side or hinge side clearance.

##### **11B-809.8.3.1 Floor or ground surface**

Added language to indicate floors or ground surfaces required maneuvering clearances shall not have slopes exceeding 1:48. Provided clarity for interior doors within residential dwelling units with adaptable features. Moved existing exceptions from Section 11B-809.8 to Section 11B-809.8.3.1.

### **11B-809.10 Bathrooms and powder rooms**

Amended to change all references from “toilet and bathing rooms” to “bathrooms” for residential dwelling units with adaptable features.



#### **11B-809.10.6.1 Size**

Amended to clarify the reference is only to shower size requirements. This section previously incorrectly included all requirements for fully accessible showers.

### **11B-809.10.6.3 Clearance**

Amended to increase the clear floor space from a width of 30 inches to 36 inches at showers in residential dwelling units with adaptable features. Added a referenced figure to illustrate the position of the clear floor space relative to the control wall of the shower.

### **11B-902.2 Overlap**

Added a new section clarifying that the clear floor space at dining surfaces shall not overlap the accessible route.

## **Chapter 12 – Interior Environment**

### **Department of Housing and Community Development**

#### **1202.3 Unvented attic and unvented enclosed rafter assemblies**

Repealed amendment related to California Climate Zones and vapor retarder requirements since these provisions are addressed by the California Energy Commission.

### **Office of Statewide Hospital Planning and Development**

#### **1224.3 Definitions**

**Invasive Procedure.** Amended to align with the glossary in the “Guidelines for Design and Construction of Hospitals” as published by the Facility Guidelines Institute (FGI). The added clarification provided in the FGI explanatory note assigns a risk percentage rather than stating a recognized risk. The amendments were coordinated with the California Department of Public Health responsible for licensing services in health care facilities.

#### **Table 1224.4.6.1 Station outlets for oxygen, vacuum (suction) and medical air systems**

Added a column to the table for instrument air outlet, line items 42, 43 and 44 and footnotes 9, 10 and 11. The new column aligns with national guidelines. Footnote 10 has been re-worded to coordinate with the room functions as provided in the California Building Code.

#### **Table 1224.4.6.5 Location of nurse call devices**

Amended table to add “and” between treatment and triage rooms, clarifying that there are three separate rooms.

#### **Table 1224.4.19 Sound transmission limitations in hospitals**

Amended footnote #1 in the table to the correct reference standard number ASTM E413 Classification for rating sound insulation.

#### **1224.16.2.1 Space requirements**

Revised to indicate space requirements within preoperative patient holding areas. The minimum width requirement of 6 feet access/circulation outside the curtain aligns with Section 1224.16.3 Post-Anesthesia Care Unit (PACU).

#### **1224.19.2.3.7 Hazardous Drug (HD) storage**

Added new section to define a Hazardous Drug (HD) Storage room to align with United States Pharmacopeia USP-GC <800> Hazardous Drugs-Handling in Healthcare Settings. The storage arrangement is currently required under Title 16 Section 1751.

#### **1224.19.3.2.3.3 Handwashing station (Anteroom)**

#### **1224.19.3.2.4.2 Handwashing station (Segregated Compounding Area, SCA)**

Amended to align with the United States Pharmacopeia USP-NF <797> to allow sinks to be located either inside or outside the respective areas (or in close proximity to the SCA). “Adjacent” is an OSHPD-defined term that means “located next to but not necessarily connected to the identified area or room.”

#### **1224.19.3.3.2.8 Pass-throughs**

Amended to align with the United States Pharmacopeia General Chapter, USP-GC <800> Hazardous Drugs-Handling in Healthcare Settings allowing a pass-through from the buffer room to unclassified areas but not the refrigerator.

#### **1224.19.3.3.2.8 Pot washing facilities**

Amended to clarify three compartment sinks are required in pot washing facilities to align with Health and Safety Code Section 114099.

#### **1224.29.29.1.15 Support (Intensive Care Units)**

#### **1224.29.2.9 Lactation (Newborn Intensive Care Unit, (NICU)**

Replace the term “immediately adjacent” with “immediately accessible,” in alignment with terminology used in Facilities Guidelines Institute (FGI).

#### **1224.31.1 Psychiatric unit space**

Amended to clarify that a psychiatric nursing unit in the general acute care hospital [OSHPD 1] is not a distinct part, but is a separate nursing unit. Aligns with Title 22 relative to elder care facilities.

#### **1224.31.1.1 General**

Separated general statements about psychiatric nursing units in a medical facility [OSHPD 1] from the non-medical psychiatric hospital or units [OSHPD 5].

#### **1224.31.1.9 Activity spaces**

Specified that activity spaces provided in a psychiatric nursing unit shall comply with Section 1228.13.1’s requirements for patient safety in outdoor activity areas. Added Section 1224.31.1.9.1 to delineate the indoor activity rooms for a psychiatric nursing unit, and Section 1224.31.1.9.2 to clarify that outdoor activity areas are dedicated for the psychiatric unit. Related to CBC Section 1228.2.

#### **1224.33.2.7.1 Behavioral health observation area**

Clarified furniture options for a behavioral health observation area and provided an additional option for recliners; clarified a minimum of three feet on one side of recliners/beds/gurneys.

#### **1224.33.4.2 Fast-track area**

Clarified fast-track area requirements in an emergency department to be consistent with triage area requirements, as well as other design and lighting requirements. Aligned with the fast-track section in the FGI hospital guidelines.

#### **1224.35.1 Rehabilitation center space**

Clarified that access for outpatient rehabilitation services are required when a rehabilitation center is provided and aligned with existing Title 22 (Social Security) requirements in nuclear medicine facilities. Also clarified that physical therapy service, occupational service, and speech pathology service are required services for a rehabilitation center, and the space for these individual services shall be designed to meet the requirements of Sections 1224.35.2, 1224.35.3 and 1224.35.4, respectively.

#### **1224.42 Chemical Dependency Recovery Hospital**

Added new section allowing that chemical dependency recovery services can be provided as supplemental services located as a separate unit within a distinct part in general acute care hospitals and acute psychiatric hospitals, pursuant to Health and Safety Code Section 1250.3. Reference pointer to Section 1229 added for regulatory compliance. Related Sections: 1.10.6, 1224.3, 1228, 1229.

#### **1225.5.1.2.6 Patient storage**

Amended to align with other sections in Chapter 12 regarding specific provisions in nursing units for patient storage of personal belongings. Related sections: 1228.14.1.8 and 1229.14.1.9.

#### **1225.6.6 Special treatment program service**

Added language to clarify that skilled nursing facilities shall have a minimum of 30 beds for special treatment program service. Aligned with existing Title 22 requirements for skilled nursing facilities.

#### **1226.4.13.2.1 Medication preparation room or area**

Clarified the location option for medication (previously “medicine”) preparation room or area.

#### **1226.4.14.2 Specimen and/or blood collection facilities**

Corrected the reference pointer from Section 1224.4.4.2 to Section 1224.4.4.3.

#### **1226.8 Surgical clinics**

Added a section header to provide consistent formatting throughout Section 1226.

#### **1226.8.1.3 Procedure room(s)**

Added subsection to provide a pointer to the procedure room requirements in Section 1224.4.4.1.4.

## **1228.2 Application**

Clarified that an acute psychiatric hospital with non-medical units shall comply with Section 1228 that refers to Section 1224.31 for acute psychiatric hospitals or units that provide acute medical care.

## **1228.14.1.8 Patient storage**

Amended to align with other sections in Chapter 12 regarding patient storage of personal belongings in psychiatric nursing units. Section 1228 is unique in that the storage must be designed with no ligature hazards. Related sections: 1225.5.1.2.6 and 1229.14.1.9,

## **1228.30 Pediatric and Adolescent Psychiatric Service Space.**

Clarified that pediatric and adolescent mental health service space patient areas are separate from each other and from adult mental health services space patient areas. Further clarified that common areas may be shared and used by pediatric and adolescent patients at different times. Aligns with Title 22 and the FGI.

## **1228.44 Chemical Dependency Recovery Hospital.**

Added new section to distinguish that chemical dependency recovery services be provided as supplemental services located within a distinct part in acute psychiatric hospitals, pursuant to Health and Safety Code Section 1250.3. Added reference pointer to Section 1229. Related Sections: 1.10.6, 1224, 1224.3, 1229.

## **1229.14.1.9 Patient storage**

Aligned with other sections in Chapter 12 regarding patient storage of personal belongings in chemical dependency recovery residential areas. Related sections: 1225.5.1.2.6 and 1228.14.1.8.

## **1229.31 Other chemical dependency service space**

Amended to reference sections that may be used for other services in a chemical dependency hospital. Additionally, changed the reference to the Department of Health Services to the California Department of Public Health.

# **Chapter 14 – Exterior Walls**

## **Division of the State Architect and**

## **Office of Statewide Hospital Planning and Development**

## **1413.2.1 Bond strength and tests**

Revised to align with The Masonry Society's TMS 402 Section 13.3.2.1 and require all mortar and veneer types to be tested. Corrected test frequency for bond shear strength to wall area of adhered veneer instead of square footage area of the building.



## Chapter 15 – Roof Assemblies and Rooftop Structures

**Building Standards Commission and  
Division of the State Architect and  
Department Housing and Community Development and  
Office of Statewide Hospital Planning and Development**

### **1511.9.6 Accessibility and egress.**

Clarified that the new ICC reference to Chapter 11 is to reference Chapter 11A and Chapter 11B, as applicable.

## Chapter 16 – Structural Design

**Office of Statewide Hospital Planning and Development**

### **1601.1.5 Additional amendments [OSHPD 1R, 2 & 5]**

Updated pointer references to applicable sections for additional requirements in Chapter 16A.

### **Table 1604.5 Risk category of buildings and other structures**

Amended the table to indicate I-2 occupancies for risk category IV for **OSHPD 2 & 5** is not adopted by OSHPD. I-2 occupancies are addressed in Table 1604.5A.

### **Table 1613.2.3(1) and Table 1613.2.3(2) Values of site coefficients $F_a$ and $F_v$**

Deleted both model code tables and associated footnotes. Changes to ASCE 7 standards have rendered OSHPD amendments obsolete for site-specific ground motions and calculation of acceleration parameters.

**Division of the State Architect**

### **1617 Additional requirements for community colleges [DSA-SS/CC]**

#### **1617.2.1.4 Analysis**

Repealed amendment requiring analysis to explicitly include consideration of stiffness of diaphragms.

#### **1617.2.4 Photovoltaic (PV) panel systems**

Amended to require elevated PV structures to be assigned the same risk category that relates to the use underneath.



### **1617.3.1 Stability**

Repealed amendment regarding strength design for foundation geotechnical capacity using a resistance factor of 1.0 since this is adequately covered by requiring factor of safety for soil bearing values to be no less than the overstrength factor of the structures supported.

### **1617.3.3 Modifications to load combinations in ICC 300**

Repealed amendment for modification to ICC 300, Section 303.5.2 since it is now addressed in ICC 300-23. The modification to ICC 300, Section 303.5.3 has been relocated to Section 1605A.3.1, and the reference to equation numbers has been updated to match the 2023 edition for ICC 300.

### **1617.8.1 Lateral pressures**

Revised section for lateral pressures to make it consistent with Sections 1807A.1.1 and 1807A.2.2. Added a note to clarify that lateral soil pressure for design of foundation and retaining walls shall be based on the geotechnical report.

### **1617.11.4 (formerly ASCE 7, Section 12.2.3, 12.2.3.1, and 12.2.3.2)**

Repeal amendments for two-stage analysis procedure which are adequately addressed in ASCE 7-22.

### **1617.12.6 (formerly 1617.11.9) ASCE 7, Section 12.3.3.1**

Repealed all language related to the extreme torsional irregularities. Revised to align with ASCE 7-22. Retain amendment for prohibition of vertical irregularities Type 1b, 4a and 4b for SDC D.

### **1617.12.8 ASCE 7, Section 12.10.2.1**

Added an amendment to clarify that the exemption from load combinations with overstrength factor only applies to light-frame construction braced entirely by wood light-frame construction, including diaphragms and shear walls.

### **1617.12.10 ASCE 7, Section 12.13.5.2**

Added to modify the resistance factor for the in-situ prototype ASCE 7 testing program to align with American Association of State Highway and Transportation Officials, Bridge Design Standard (AASHTO 2020). Revised the resistance factor to align with reduced test requirements in Chapters 18 & 18A.

### **1617.12.12 (formerly 1617.11.15) ASCE 7, Section 13.1.4**

Added requirements for Item 8 regarding distribution systems to align with OSHPD and re-organization of ASCE 7. Revised Exemptions 1-3 to clarify which items may be excluded from design and detailing. New amendment language for Item 7 regarding cabinets that could fall and block a required means of egress.

### **1617.12.16 (formerly 1617.11.19) ASCE 7, Section 13.6.7.3**

Deleted reference to  $R_p$  value (used in ASCE 7-16) because ASCE 7-22 does not use it and separation of pipe and support seismic coefficient in ASCE 7-22 Table 13.6-1 makes it unnecessary. Clarified language regarding pipe supports.

## Chapter 16A – Structural Design

### Division of the State Architect and

### Office of Statewide Hospital Planning and Development

Updates, clarifications and revisions to ASCE 7 standards; Horizontal and Vertical Irregularities for Seismic Design Categories; Provisions for piping and tubing systems.

#### **1604A.4 Analysis**

Repealed amendment requiring analysis to explicitly include consideration of stiffness of diaphragms.

#### **1605A.3 Modifications to load combinations in ICC 300**

Repealed amendment for modification to ICC 300, Section 303.5.2 since it is now addressed in ICC 300-23. The modification to ICC 300, Section 303.5.3 has been relocated to Section 1605A.3.1, and the reference to equation numbers has been updated to match the 2023 edition for ICC 300.

#### **1610A.1 Lateral pressures**

Revised section for lateral pressures to make it consistent with Sections 1807A.1.1 and 1807A.2.2. Added a note to clarify that lateral soil pressure for design of foundation and retaining walls shall be based on the geotechnical report.

#### **1617A.1.3 Reserved (formerly ASCE 7 Section 11.4)**

Repealed and reserved. Repeal amendment for seismic ground motion values based on ASCE 7-16 Supplement 3, which are adequately addressed in ASCE 7-22.

#### **1617A.1.5 Reserved (formerly ASCE 7 Section 12.2.3, 12.2.3.1, and 12.2.3.2)**

Repealed and reserved. Repeal amendments for two-stage analysis procedure which are adequately addressed in ASCE 7-22.

#### **1617A.1.10 ASCE 7 Section 12.3.3.1**

Repealed all language related to the extreme torsional irregularities. Revised to align with ASCE 7-22. Retain amendment for prohibition of vertical irregularities Type 1b, 4a and 4b for SDC D and higher.

#### **1617A.1.12 ASCE 7 Section 12.10.2.1 (formerly Reserved)**

Added an amendment to clarify that the exemption from load combinations with overstrength factor only applies to light-frame construction braced entirely by wood light-frame construction, including diaphragms and shear walls.

#### **1617A.1.13 ASCE 7, Section 12.13.5.2. (formerly Reserved)**

Added to modify the resistance factor for the in-situ prototype ASCE 7 testing program to align with American Association of State Highway and Transportation Officials, Bridge Design Standard (AASHTO 2020). Revised the resistance factor to align with reduced test requirements in Chapters 18 & 18A.

**1617A.1.19 ASCE 7 Section 13.4**

Added prohibition of the removal and resetting of post-installed mechanical anchors (American Concrete Institute (ACI) 318 Section 17.1.3). Repealed a separate prohibition for screw anchors. Added a note to indicate that the removal and resetting of post-installed mechanical anchors is prohibited by ACI 318.

**1617A.1.26 ASCE 7 Section 13.6.7.3.**

Deleted reference to  $R_p$  value (used in ASCE 7-16) because ASCE 7-22 does not use it and separation of pipe and support seismic coefficient in ASCE 7-22 Table 13.6-1 makes it unnecessary. Clarified language regarding pipe supports.

**Office of Statewide Hospital Planning and Development****1607A.14.3.5 Ballasted photovoltaic panel system [OSHDP 1 & 4]**

Clarified that ballasted photovoltaic panel systems are considered as an alternative system.

**1617A.1.1 ASCE 7 Section 1.3**

Added additional peer review requirements for wind tunnel test based recommendations.

**1617A.1.3 Reserved (formerly ASCE 7 Section 11.4)**

Repealed and reserved. Repealed use of 2020 NEHRP provisions for multi period spectra as these are now incorporated in ASCE 7-22.

**1617A.1.14 Reserved (formerly ASCE 7 Section 12.12.3 [OSHDP 1 & 4])**

Repealed and reserved.

**1617A.1.4 ASCE 7 Table 12.2-1**

Changed some item numbers and names for the seismic force-resisting systems to align with ASCE 7-22. Permitted steel intermediate and ordinary moment frames for lightly loaded canopies and walkways. Repealed reference to ASCE content in amendment to existing Section 1617A.1.4.

**1617A.1.21 ASCE 7 Section 13.5.6.2**

Revised to add Item 6, a prescriptive provision with reduced hanger spacing for aluminum ceiling grid, with a banner for OSHDP 1 & 4. Continued permitting tested aluminum that complies with ASTM E580.

**1617A.1.23 ASCE 7, Section 13.6.2.1**

Added banner for OSHDP 1 & 4. Corrected section reference pointer to indicate section 1705A.14.3 of this code. Deleted amendments to ASCE 7 Tables 13.5-1 and 13.6-1 due to their revision by the model code developer.

**1617A.1.38 ASCE 7 Section 20.3 [OSHDP 1 & 4]**

Added section regarding limitation of shear wave velocity for new large buildings. Amendment only applies to new buildings larger than 4,000 square feet ground floor area, and will not impact existing building projects.

## **Division of the State Architect**

### **1604A.5.2 Photovoltaic (PV) panel systems**

Amended to require elevated PV structures to be assigned the same risk category that relates to the use underneath.

### **1605A.1.1 Stability**

Repealed amendment regarding strength design for foundation geotechnical capacity using a resistance factor of 1.0 since this is adequately covered by requiring factor of safety for soil bearing values to be no less than the overstrength factor of the structures supported.

### **1617A.1.18 ASCE 7, Section 13.1.4**

Added requirements for Item 10 regarding distribution systems to align with OSHPD and re-organization of ASCE 7. Revised Exemptions 1-3 to clarify which items may be excluded from design and detailing. New amendment language for Item 9 regarding cabinets that could fall and block a required means of egress.

## **Chapter 17 – Special Inspections and Tests**

### **Office of Statewide Hospital Planning and Development**

#### **1705 Required special inspections and tests**

Updated and aligned with model code revisions.

##### **1705.2.1 Structural steel**

Adopted model code provisions and aligned with current practice. Model code provisions changed significantly and updates to the American Institute of Steel Construction (AISC) 360 standard created an unintended gap in special inspection requirements. AISC 360 Section N5 Item # 3 and Section N6 are not adopted for consistency with Sections 1704.2 and 1704.2.5.1, respectively (no material change intended). Added a note to explain the difference in terminology used by AISC and the CBC.

##### **1705.2.2 Structural stainless steel**

Revised to clarify that quality assurance inspection requirements are also applicable. Added clarifications for OSHPD 1R, 2 and 5 regarding coordinated inspections in AISC 370 Section N5 and N6, which permit transfer of some quality assurance inspections to quality control inspectors.

##### **1705.2.3 Cold-formed steel deck**

Added OSHPD 1R, 2 and 5 banners. Amended to require approved agencies and special inspectors to perform special inspections on floor and roof decks. Added clarification that coordinated inspection is not permitted for OSHPD 1R, 2 and 5.

##### **1705.4 Masonry construction**

Amended to require that batch plant inspection of grout materials shall be in accordance with Section 1705.3.3.

### **1710 Off-site construction [OSHPD 1R, 2 & 5]**

Added requirements for off-site construction, including modular and panelized systems. For facilities utilizing International Code Council (ICC) Standard 1200, provides minimum requirements in multiple facets of the off-site construction process including: planning, designing, fabricating, transporting, and assembling building elements.



## **Chapter 17A – Special Inspections and Tests**

### **Division of the State Architect and Office of Statewide Hospital Planning and Development**

#### **1704A.5 Submittals to the building official**

Repealed and reserved Item #2 for consistency with deletion of model code section 1704.2.5.1. Added Item #4 to clarify reference to CBC rather than ACI 318.

#### **1705A.2.1 Structural steel**

Adopted model code provisions and aligned with current practice. Added DSA and OSHPD banners to identify specific provisions that apply to each agency.

Removed reference to:

- AISC 341 and 358 for quality control (QC) and quality assurance (QA) requirements since those are for seismic, not gravity, load resisting systems. Sections 1705A.13.1.1, 1705A.13.1.2, 1705A.14.1.1, and 1705A.14.1.2 reference AISC 341 for relevant QC and QA requirements for seismic load resisting systems.
- Prohibition of AISC 360, Chapter N, N4 Item 2 (Quality Inspector Qualifications) since Section 1705A.2.7 governs through added language of “and this code” at end of initial statement in Section 1705A.2.1.

#### **1705A.2.2 Structural stainless steel**

New model code section amended to conceptually match amendments for Section 1705A.2.1.

### **1705A.2.3 Cold-formed steel deck**

Modifications to achieve consistency with similar existing and new amendments in Section 1705A.2.1. Added and updated pointers to referenced standards (such as AISC 341, 358, or 370 and AISI S100 or S240) and CBC sections (such as 2201A.2, 1705A.8).

### **1705A.2.7 Special Inspection and tests of structural welding**

Added reference pointers. Recognized AWS B5.1 as an alternative acceptable standard for AWS CWI minimum requirements to AWS QC1. Replaced 'inspection' with 'special inspection' throughout this section to clarify requirements apply to QA, rather than QC inspections.

### **Table 1705A.3 Required special inspections and tests of concrete construction**

Coordinated various editorial amendments to correct numbering inconsistencies and to update and clarify certain amendments due to reformatting of the model code table. Amendments include, but are not limited to:

- Added ACI 318 reference pointers.
- Items 1, 4.a, 4.b, 5, 6, 7, and 14 – Renumbered reference pointers based on renumbering or relocation of previous amendments.
- Item 2.b – Adopted revised model language and amended the required inspection type to include intermediate moment frames. Added language and DSA banner to address specific cases of welding of reinforcing used in collectors and chords.
- Item 2.d – Deleted amendment regarding reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, and boundary elements and coupling beams of special structural walls of concrete due to Item 2.b model code and amendments incorporating these requirements. Adopted model code inspection type.
- Items 3, 4.a and 4.b – Deleted amendments that were pointers to referenced standards because the model code now includes the pointers.
- Item 5 and 6 – Relocated reference ACI 318-19 26.13.3.2 in Item 5 to Item 6. For Item 5, repealed amendment requiring continuous special inspection to align with model code requiring periodic. However, no net regulatory change occurs because the California Administrative Code requires continuous inspection of concrete placement of the specified design mix.

### **1705A.4 Masonry construction**

Added batch plant special inspection requirements for grout with reference to 1705A.3.3.

#### **1705A.4.1.1 TMS 602 Section 1.6 Quality Assurance**

Added amendment modifying TMS 602 Table 4 footnote "d" to require periodic inspections for all veneer, regardless of height, to maintain the quality of installation applicable to projects.



#### **1705A.5.1 High-load diaphragms**

Added reference to 2307.1 since special inspection is required for high-load diaphragms regardless of design method utilized being ASD or LRFD.

#### **1705A.13 Special inspections for seismic resistance**

##### **1705A.13.1 Structural steel**

##### **1705A.13.1.1 Seismic force-resisting systems**

##### **1705A.13.1.2 Structural steel elements**

##### **1705A.14.1.1 Seismic force-resisting systems**

##### **1705A.14.1.2 Structural steel elements**

Amended sections 1705A.13.1.1, 1705A.13.1.2, 1705A.14.1.1 and 1705A.14.1.2 to clarify that requirements of the CBC are also applicable, in addition to those in the AISC 341. Deleted reference to gravity Section 1705A.2.1 in sections 1705A.13.1.1 and 1705A.13.1.2 since the seismic requirements in the AISC 341 builds on the gravity requirements in AISC 360.

#### **1705A.14.2 Nonstructural components**

Removed a pointer to Section 1704A.5, since the associated certification requirement is deleted in Section 1704A.5 Item #2. Revised existing amendment to include nationally recognized standards such as ANSI/ASHRAE 171 referenced in ASCE 7 Section C13.6.4.1.

### **Division of the State Architect**

#### **1701A.4 Special inspections and tests**

Added reference to Chapters 14, 15 and 24 to the list of chapters with special inspection and test requirements to account for those in the noted chapters.

Removed the specific reference pointer to the California Administrative Code (CAC) since many different sections specify special inspection, test, and observation requirements and a comprehensive listing is not needed.

#### **1704A.3 Statement of special inspections**

Added language to not permit the exception that allows non-licensed individuals to prepare a statement of special inspections. The California Education Code Section 17302 requires designs of school projects by design professionals.

#### **1704A.4 Contractor responsibility**

DSA's construction oversight and quality assurance programs render requirements for the contractor to submit a statement of responsibility unnecessary for most projects. Therefore, only when such a requirement is specified on the approved construction documents does it apply.

#### **1705A.2.1 Structural steel**

Clarified prohibition of quality assurance aspects (rather than all aspects, such as quality control) for AISC 360, Chapter N, N5 Item 2 (Quality Assurance), N5 Item 4 (Inspection of Welding), and N7 (Nonconforming Material and Workmanship).

Added a note clarifying that additions to other reference standards in Table 1705A.2.1 apply when those provisions are applicable.

Clarified intent of replacing language in AISC 360, Section N5.5(b) and through formatting for consistency with modification of model reference standards used in other amendments.

DSA considered deleting non-adoption of some AISC 360 Chapter N references as well as the reference to Table 1705A.2.1. However, based on early feedback from various welding special inspectors and material testing laboratory managers, confusion regarding expectations caused by the terms “observe,” “perform,” and “document” not correlating with periodic or continuous inspection, DSA decided to maintain those.

#### **Table 1705A.2.1 Required special inspections and tests of steel construction**

Added and updated pointers to referenced standards (such as AISC 341, 358, or 370 and AISI S100 or S240) and CBC sections (such as 2201A.2, 1705A.8). Other specific items resulting in regulatory changes:

Item 3. – Removing the word "deck" such that material identification applies to all structural cold-formed steel, not just decks.

Item 5.a. – Removing the word "deck" such that welding inspection requirements apply to all structural cold-formed steel, not just decks.

DSA considered deleting Table 1705A.2.1. However, based on early feedback from various welding special inspectors and material testing laboratory managers, confusion regarding expectations due to the terms “observe,” “perform,” and “document” not correlating with periodic or continuous inspection, DSA decided to maintain the table.

#### **1705A.2.3 Cold-formed steel deck**

Modifications prohibit certain reference standard provisions while explicitly referencing Table 1705A.2.1 to achieve consistency with similar existing and new amendments in Section 1705A.2.1.

#### **1705A.2.7 Special Inspection and tests of structural welding**

Relocated mid-section paragraph to bottom of section.

#### **1705A.2.9 Special inspection and tests of cold-formed steel light-frame construction**

Added a new section to ensure quality assurance is provided in accordance with AISI S240 during construction, similar to that provided in the AISC reference standard in Section 1705A.2.1 for structural steel.

#### **1705A.3.3 Batch plant inspection**

Added the DSA banner and minimum qualifications for batch plant inspectors to address transit-mixed concrete, shotcrete, grout and other cementitious mixtures required to be inspected in accordance with the California Administrative Code.

#### **1705A.3.3.2 Batch plant inspection not required**

Added Item #5 to clarify that isolated exterior foundations supporting equipment are not exempt where deep foundations are used.

#### **Table 1705A.5.3, Item 3.5**

Added pointer reference for special inspection requirements to ensure those occur in the proper sequence (i.e., inspection after cover installed, but before other coverings installed).

#### **1705A.6 Soils**

Added a new section with additional exceptions to reduce unnecessary soils special inspections and tests for deep and shallow foundations based on conditions and design considerations listed in Section 1806A.2 and Table 1806A.2.

#### **1705A.12.2 Cold-formed steel light-frame construction and 1705A.13.3 Cold-formed steel light-frame construction**

Added reference pointer to new Section 1705A.2.9 to ensure those requirements apply for windforce- and seismic force-resisting systems in cold-formed steel light-frame construction.

#### **1705A.13 Special inspections for seismic resistance**

##### **1705A.13.1 Structural steel**

##### **1705A.13.1.1 Seismic force-resisting systems**

##### **1705A.13.1.2 Structural steel elements**

##### **1705A.14.1.1 Seismic force-resisting systems**

##### **1705A.14.1.2 Structural steel elements**

Amendments explicitly identify prohibited quality assurance aspects of certain sections in AISC 341 to align with similar prohibitions in Section 1705A.2.1. Added a pointer to applicable portions of Table 1705A.2.1. Amendments align with modifications and requirements in Section 1705A.2.1 (i.e., removal of reference to AISC 341/358) while ensuring the same Quality Assurance provisions apply.

### **Office of Statewide Health Planning and Development**

#### **Table 1705A.2.1 Required special inspections and tests of steel construction**

Repealed Table 1705A.2.1 since OSHPD has a new Policy Intent Notice, PIN 77 that guides the user through the appropriate sections in model code.

#### **1705A.14.3 Special seismic certification**

##### **1705A.14.3.1 [OSHPD 1 & 4]**

Amended Exception 1 to clarify that the requirement for equipment and components weighing not more than 75 lbs. (previously 50 lbs.) are to be rigidly attached to structures. Added editorial clarification to Exception 7.

#### **1710A Off-site construction [OSHPD 1, & 4]**

Added requirements for off-site construction, including modular and panelized systems. For facilities utilizing International Code Council (ICC) Standard 1200,

provides minimum requirements in multiple facets of the off-site construction process including: planning, designing, fabricating, transporting, and assembling building elements.

## **Chapter 18 – Soils and Foundations**

### **Office of Statewide Hospital Planning and Development**

#### **1803.2 [Geotechnical] Investigations required**

Added OSHPD 1R and 5 banners to exceptions regarding geotechnical reports not being required for one-story, wood-frame and light-steel-frame buildings of Type V construction and 4,000 square feet (371 m<sup>2</sup>) or less in floor area, under certain seismic conditions

#### **1807.2 Retaining walls**

Deleted OSHPD banner and amendment regarding retaining walls.

#### **1807.2.5 Freestanding cantilever walls**

Deleted OSHPD banner and amendment regarding freestanding cantilever walls. ASCE 7 Section 15.6.8 requires ground supported walls and ASCE Section 15.6.1 requires earth-retaining structures to be designed as non-building structures.

#### **1810.3.9.4.2.1 [Deep foundations] Site Classes A through DE**

Repealed amendment to align with the model code provisions regarding performance of spirally reinforced piles being equivalent for concrete and grout.

## **Chapter 18A – Soils and Foundations**

### **Division of the State Architect and**

### **Office of Statewide Health Planning and Development**

#### **1803A.6 Geohazard reports**

Divided Exception #1 into Exceptions #1 and #2 for clarification of geohazard reports not being required for specific scopes of work in existing buildings and repairs for damage not caused by an earthquake. Added OSHPD 1 and 4 banners to this exception regarding incidental structural additions or alterations.

Repealed requirement to use Next Generation Attenuation West 2 relations in the development of site-specific ground motion hazards.

#### **1812A.5 Earth Retaining Shoring Construction**

Revised Item #8 for soldier pile construction to use of defined terms consistently and with clarity. Use of the term “lean concrete” has been confused with the term “plain concrete” that is prohibited by DSA and OSHPD. Terminology is aligned with the model code definition of “controlled low-strength material” or CLSM.

## **Division of the State Architect**

### **1810A.3.11.2 Seismic design categories D through F**

Added DSA banner and amendment to not permit the application of model code Item #1.3 to eliminate a potential conflict with foundation design loads required by an existing amendment in Section 1617A.1.15.

## **Office of Statewide Health Planning and Development**

### **1807A.2 Retaining walls**

Deleted amendment regarding freestanding cantilever walls which is covered in model code.

### **1807A.2.5 Freestanding cantilever walls**

Deleted amendment and OSHPD exception regarding freestanding cantilever walls.

## **Chapter 19 – Concrete**

## **Office of Statewide Health Planning and Development**

### **1901.3.4 Proof tests for post-installed anchors in concrete**

Reorganized for ease of use. Reduced proof test requirements for anchors used for distribution systems and repetitively used architectural components and made consistent with ASCE 41-23. Specified the ASTM standard for tension test procedures.

### **1903.2 Special inspections**

Deleted amendment since this section is deleted in model code. Requirements for special inspections and tests are addressed in Section 1901.6.

### **1903.3 (formerly 1903.4) Flat wall insulating concrete form (ICF) systems**

Relocated amendment to align with model code reorganization.

### **1903.5 Aggregates**

Repealed existing amendment related to alkali reactivity of aggregate as those amendments are incorporated in the body of ASTM C33.

### **1903.6 Limits on cementitious materials**

Repealed existing amendment since revision to ACI 318 and concrete strength requirements at stated ages or stages of construction in model code Section 1901.5 Item # 1 addressed the subject.

### **1905.5 Detailed plain concrete structural walls**

Relocated existing amendments to align with model code reorganization. Deleted reference to seismic design categories D, E & F.

### **1906 Detailed plain concrete structural walls**

Added an amendment to clarify that only plain concrete footings are prohibited by OSHPD in this section.

### **1908 Shotcrete**

The model code has repealed all shotcrete requirements in favor of those contained in the new version of the adopted material standard ACI 318-19. Added reference to ACI SPEC-560.2 to 1908.1 for clarity.

### **1910.3.4 ACI 318, Section 26.11.1.2. Item (e)**

#### **(formerly 1908.3 Forms and ground wires for shotcrete)**

Relocated existing amendment to 1910.3.4 to coordinate with revised model codes.

## **Division of the State Architect**

### **1909.2.1 Aggregates**

Repealed existing amendment regarding alkali reactivity of aggregates.

### **1909.2.6 Proof tests for post-installed anchors in concrete**

Revised DSA-SS/CC to match revisions made to DSA-SS requirements in Section 1910A.5.

## **Chapter 19A – Concrete**

### **Division of the State Architect and**

### **Office of Statewide Hospital Planning and Development**

### **1903A.5**

Repealed existing amendment regarding alkali reactivity of aggregates.

### **1905A Seismic requirements**

As a result of changes to the model code, continuing amendments modifying American Concrete Institute (ACI) 318 formerly in this section have been relocated to Section 1909A.

### **1908A Shotcrete**

Edited and reorganized to align with model code. No regulatory effect.

### **1909A Modifications to ACI 318 (formerly Reserved)**

Moved existing amendments from 1905A to this section.

### **1910A.5 Proof tests for post-installed anchors in concrete**

Reorganized to simplify and clarify test frequency requirements. Updated proof test requirements for anchors used for distributed systems or repetitively used architectural components. Specified ASTM E3121 for tension test procedures without the requirement for displacement measurements unless explicitly required. Reorganized testing frequency requirements to differentiate by structural and nonstructural applications.

### **1911A.2 Existing concrete structures Crack repair by epoxy injection**

Revised specification to the American Concrete Institute (ACI) 548.15 from ACI 503.7.

## **Office of Statewide Health Planning and Development**

### **1903A.6 Limits on cementitious materials**

Repealed existing amendment since revision to ACI 318 and concrete strength requirements at stated ages or stages of construction in model code Section 1901.5 Item # 1 addressed the subject.

### **1910A.5 Proof tests for post-installed anchors in concrete**

Revised testing requirements for screw type anchors to make proof testing easier to implement.

## **Chapter 21 – Masonry**

## **Office of Statewide Hospital Planning and Development**

### **2101.2.2 [Design methods] Prohibition [OSHDP 1R, 2 & 5]**

Added an amendment for structural systems with the prohibition for Items #9 and #10. Added #11 to clarify that limit design method is not permitted since it does not satisfy the ductility requirements of The Masonry Society (TMS) standard, TMS 402 Section 9.3.5.6, which is part of the basis for establishing seismic co-efficient for special reinforced masonry shear walls. Added #12 to clarify that Glass Fiber Reinforced Polymer (GFRP) reinforced masonry is not permitted since the associated seismic design requirements are not addressed in ASCE 7.

### **2103.6 [Masonry construction materials] Specified compressive strength of masonry and grout [OSHDP 1R, 2 & 5] and referenced TMS 402 Table 4.3.1 – Specified Compressive Strength Requirements**

Added an amendment with a table. Existing strength limit in Sections 2105.2, 2107.7 and 2108.4 is consolidated into one section and the format is aligned with TMS 402 Table 4.3.1. Increased minimum specified design strength of concrete masonry from 1,500 psi to 2,000 psi for consistency with TMS 402 and ASTM C90.

### **2104.2 Reinforced grouted masonry [OSHDP 1R, 2 & 5]**

Repealed amendment related to group pour heights to permit Self-Consolidating Grout (SCG) for construction of masonry since it is cheaper, requires less time for construction and provides better quality.

### **2107.4 Reserved (formerly TMS 402 Section 8.3.7 Maximum bar size)**

Repealed limitation on maximum bar size as the clearance requirements in TMS are adequate to prevent larger bar diameters and made this amendment unnecessary.

### **2107.6 Repealed (formerly TMS 402 Section 8.3.4.4 Walls)**

Repealed pointer for maximum tensile reinforcement ratio in walls as this requirement applies to both strength design and allowable stress.



### **2107.6 Masonry Compressive Strength**

Deleted existing amendments since new model code language addresses the minimum specified design strength of concrete masonry. Masonry compressive strength requirements are moved to CBC Section 2103.6.

### **2108.4 TMS 402 Section 9.1.9.1.1.**

Deleted existing amendments since new model code language addresses the minimum specified design strength of concrete masonry. Masonry compressive strength requirements are moved to CBC Section 2103.6.

## **California Energy Commission**

### **2109.2.4.8.2 Vapor permeance**

Added an amendment referring to Table 1202.3.1 to distinguish between climate zones identified in ICC model codes and climate zones that are identified in the California Energy Code.

## **Division of the State Architect**

### **2115 Additional requirements for community colleges [DSA-SS/CC]**

Reorganized section 2115 to align with Chapter 21A sections.

#### **2115.1.1 Prohibitions**

Edited structural amendments regarding prohibition of certain TMS 402/602 materials and methods.

#### **2115.2.3 Specified compressive strength of masonry and grout**

Reformatted existing amendment to align with the current TMS 402 formatting.

#### **2115.4.1 Mortar and grout tests. TMS 602, Article 1.4B Compressive Strength Determination**

Added amendment to eliminate testing of preblended mortars with specified documentation.

#### **2115.5.2 TMS 402, Section 7.3.2.5 (i)**

Amended TMS triggers requiring horizontal reinforcement terminating in hooks.

## **Chapter 21A – Masonry**

### **Division of the State Architect and**

### **Office of Statewide Hospital Planning and Development**

#### **2101A.1.3 Prohibition**

Edited structural amendments regarding prohibition of certain TMS 402/602 materials and methods.

### **2103A.6 [Masonry Construction Materials] Specified Compressive Strength of Masonry and Grout**

Consolidated the existing strength limits in Sections 2105A.2, 2107A.6 and 2108A.4 into one section and aligned the format with added TMS 402, Table 4.3.1.

### **2104A.1.3.7 Reserved**

Repealed existing amendment. Reference standard now incorporates specified language.

### **2105A.2 Compressive strength, $f'_m$**

Repealed amendment language related to strength of masonry that is now included in and addressed by CBC 2103A.6.

### **2105A.3 Mortar and grout tests. TMS 602, Article 1.4 B Compressive Strength Determination**

Updated ASTM reference for preblended mortar. Clarified testing requirements for pre-packaged mortars may be eliminated with specified documentation.

### **2105A.4 Masonry core testing**

Revised language to further clarify requirements for coring operations and reporting requirements of testing laboratories. Adds requirements from the design professional and the enforcement agency where additional coring will be performed.

### **2106A.1 Seismic design requirements for masonry**

#### **2106A.1.3 TMS 402, Section 7.3.2.5 (i)**

Added a new section that amends the TMS trigger requirements for horizontal reinforcement terminating in hooks to provide a more ductile design.

### **2107A.6 Masonry Compressive Strength**

#### **2108A.4 TMS 402 Section 9.1.9.1.1**

Consolidated previous existing amendments into new code section 2103A.6.

## **Office of Statewide Hospital Planning and Development**

### **2103A.6 [Masonry Construction Materials] Specified Compressive Strength of Masonry and Grout TMS Table 4.3.1 Specified Compressive Strength Requirements**

Increased minimum specified design strength of concrete masonry from 1,500 psi to 2,000 psi for consistency with TMS 402 and ASTM C90.

### **2107A.5 Allowable stress design TMS 402, Section 8.3.4.4**

Repealed pointer for maximum tensile reinforcement ratio in walls as this requirement applies to both strength design and allowable stress.

## **Division of the State Architect**

### **2104A.1.3.5 TMS 602, Article 3.5 C Grout pour height**

Amended language related to grout pours and grout lifts. Added amended Table 7 from TMS specifying requirements for grout space and grout pour height limits. Added footnotes 4 and 5 to Table 7. Deleted requirement for grout admixture.

## **Chapter 22 – Steel**

### **Office of Statewide Hospital Planning and Development**

#### **2201.5.1 Shear transfer at column base plate [OSHPD 1R, 2 & 5]**

Added a pointer to new shear lugs design provisions in ACI 318 Section 17.11 regarding anchor rods.

#### **2202.2.2 Structural steel elements**

Amended and added OSHPD banner to Item 2 to clarify that structural steel elements in seismic force resisting systems that are consistent with Seismic Design Category D, E or F in Section 2202.2.1.2 shall satisfy the requirements in AISC 341.

#### **2202.4 [formerly 2205.4] [OSHPD 1R, 2 & 5]**

##### **2202.4.1 Modifications to AISC 358 Chapter 10**

Modified the allowance to use steel and concrete ConXtech ConXL composite special moment frame. Repealed former Section 2205.4.1 2.1 Special and Intermediate Moment Frame Connection Types, Table 2-1 Prequalified Moment Connections modifications. All moment connections in AISC 358 are based on new tests since the Northridge earthquake. Welded and bolted moment connections are permitted with limited modifications.

##### **2202.4.2 Modifications to AISC 358 Chapter 11 Welded Moment Connection,**

##### **2202.4.3 Modifications to AISC 358 Chapter 11 Bolted Moment Connection**

Relocated and amended existing amendments to codify exceptions allowing the current practice of adjusting gap-to-side plate thickness ratio.

##### **2202.4.4 Modifications to AISC 358 Chapter 12**

Codified existing limitations for Simpson Strong-Tie (SST) Yield-Link Moment Connection in OSHPD Preapproved Prefabricated Components and Systems (PCS - 0002). Reference to AISC 341 Table D1.1 is intended to provide ductility consistent with AISC 341 requirements for moment frame beams with significant axial load.

##### **2202.4.5 Modifications to AISC 358 Chapter 15**

Codified existing limitations for DuraFuse Frames (DFF) Moment Connection in OSHPD Preapproved Prefabricated Components and Systems (PCS -0004) Reference to AISC 341 Table D1.1 is intended to provide ductility consistent with AISC 341 requirements for moment frame beams with significant axial load.

### **Section 2203 Structural stainless steel (formerly Section 2203 Protection of steel for structural purposes)**

Renamed model code section. No California amendments made to model code language.

#### **2204.1 General**

Repealed amendment regarding the modification requirements to AISI S100 Chapter J Connections and Joints, Section J7.2, as this section no longer exists in AISI S100.

#### **2204.2 Seismic design (formerly Section 2210.2 Seismic requirements for cold-formed steel structures)**

Relocated existing amendment from Section 2210.2 regarding cold-formed special bolted moment connection prohibited by Section 1617A.1.2 (referenced by Section 1601.15).

##### **2204.2.1 CFS special bolted moment frames**

Deleted model code section because Section 1617A.1.4 states that cold-formed steel bolted moment frames are prohibited, therefore the AISI standards do not apply.

##### **2204.2.2 Cold-formed steel seismic force-resisting systems**

Deleted model code section because California is assigned to Seismic Design Categories D, E, or F in accordance with 1613A.2, therefore requirements for systems in Seismic Design Categories A, B, or C do not apply.

### **Division of the State Architect**

#### **2215 Additional requirements for community colleges [DSA-SS/CC]**

##### **2215.1.1 (formerly 2212.1.1) Shear transfer at column**

Added pointer to new shear lugs design provisions in ACI 318 Section 17.11 to promote code compliance.

## **Chapter 22A – Steel**

### **Division of the State Architect**

#### **2201A.2 Identification**

Added DSA-SS banner and amended to clarify that all material identification and testing shall be in accordance with Chapter 17A.

#### **2202A.6 Modifications to AISC 358. [DSA-SS]**

##### **2202A.6.1 Modifications to AISC 358 Chapter 10**

Added new section and DSA banner to incorporate modifications to AISC 358 regarding Steel and concrete ConXtech ConXL composite special moment frame connections.

**Division of the State Architect and  
Office of Statewide Hospital Planning and Development**

**2201A.5.1 (formerly 2204A.4) Shear transfer at column**

Added pointer to new shear lugs design provisions in ACI 318 Section 17.11 to promote code compliance.

**2202A.2.1 Structural steel seismic force-resisting systems and composite structural steel and concrete seismic force-resisting systems**

Relocated existing exceptions from Section 2205A.1 to align with reorganized Chapter 22A.

**2202A.2.2 Structural steel elements**

Deleted reference to Seismic Design Categories B and C in accordance with Section 1613A.2. Aligned requirements with existing amendment in Section 2205A.2.1.2 requiring all lateral force resisting systems, including those listed in ASCE 7 Table 15.4-1, to be designed in accordance with AISC 341.



**2202A.5.1 Section B5**

Relocated existing amendment from 2205A.3.1. Reorganized code language and clarified as a modified exception to Section B5.2(a).

**2203A Structural stainless steel (formerly Section 2203A Protection of steel for structural purposes)**

Renamed model code section. No California amendments made to model code language.

**Office of Statewide Hospital Planning and Development**

**2202A.3 (formerly 2205A.4) Modifications to AISC 341**

Deleted existing Section 2205A.4.1. Deleted definition of inelastic rotation in the glossary section since it is no longer used in the code.

Deleted existing Sections 2205A.4.4, 2205A.4.5, 2205A.4.6, 2205A.4.7, 2205A.4.8, 2205A.4.9 and 2205A.4.10. Significant testing has been done to validate new ductility requirements in AISC 341, so these amendments are no longer necessary.

#### **2202A.4 (formerly 2205A.5) Modifications to AISC 358**

Deleted existing Section 2205A.5.1. Repealed prohibition on the use of bolted moment connections since many of these connections are already preapproved through our OSHPD Preapproved Prefabricated Components and Systems (PCS) program.

##### **2202A.4.2 Modifications to AISC 358 Chapter 11 Welded Moment Connection, 2202A.4.3 Modifications to AISC 358 Chapter 11 Bolted Moment Connection**

Relocated and amended existing amendments to codify exceptions allowing the current practice of adjusting gap-to-side plate thickness ratio.

##### **2202A.4.4 Modifications to AISC 358 Chapter 12**

Codified existing limitations for Simpson Strong-Tie (SST) Yield-Link Moment Connection in OSHPD Preapproved Prefabricated Components and Systems (PCS - 0002). Reference to AISC 341 Table D1.1 is intended to provide ductility consistent with AISC 341 requirements for moment frame beams with significant axial load.

##### **2202A.4.5 Modifications to AISC 358 Chapter 15**

Codified existing limitations for DuraFuse Frames (DFF) Moment Connection in OSHPD Preapproved Prefabricated Components and Systems (PCS -0004). Reference to AISC 341 Table D1.1 is intended to provide ductility consistent with AISC 341 requirements for moment frame beams with significant axial load.

#### **2204A (formerly 2210A) Cold Formed Steel**

##### **2204A.1 General**

Repealed amendment regarding the modification requirements to AISI S100 Chapter J Connections and Joints, Section J7.2, as this section no longer exists in AISI S100.

##### **2204A.2 Seismic design (formerly Section 2210A.2 Seismic requirements for cold-formed steel structures)**

This section is not adopted because the two following subsections are not adopted.

###### **2204A.2.1 CFS special bolted moment frames**

Deleted model code section because Section 1617A.1.4 states that cold-formed steel bolted moment frames are prohibited, therefore the AISI standards do not apply.

###### **2204A.2.2 Cold-formed steel seismic force-resisting systems**

Deleted model code section because California is assigned to Seismic Design Categories D, E, or F in accordance with 1613A.2, therefore requirements for systems in Seismic Design Categories A, B, or C do not apply.

## Chapter 23 – Wood

### Division of the State Architect

#### **2301.1.5 Prohibition**

Repealed Cross Laminated Timber (CLT) prohibition in Item 9 since ASCE 7-22 has seismic coefficients incorporated into Table 12.2-1. Clarified that the prohibition by OSHPD in Item 9 is not adopted by DSA.

### Office of Statewide Hospital Planning and Development

#### **2308.2 Limitations**

Added OSHPD 1R, 2, & 5 banners to applicable requirements in subsections 2308.2.1 through 2308.2.8.

## Chapter 25 – Gypsum Board, Gypsum Panel Products and Plaster

### Division of the State Architect and

### Office of Statewide Hospital Planning and Development

#### **2503.2 Additional requirements for inspection and testing**

Amended language in Item 3 to clarify that enforcement agencies are permitted to require tests in accordance with Table 2506.2. No change to regulatory effect.

#### **2507.3 Lath attachment to horizontal wood supports**

Added an option to Item 2 to secure overhead lath with a minimum No. 8 wood screw installed with a 1-inch diameter washer.

Repealed the exception to 2507.3 for OSHPD 2 Single-story Type V skilled nursing or intermediate care facilities utilizing wood-frame or light-steel-frame construction.

## Chapter 30 – Elevator and Conveying Systems

### State Fire Marshal

#### **3001.2 Elevator emergency communication systems**

Added reference pointer to California Code of Regulations, Title 8, Elevator Safety Orders.

#### **3006.2 Elevator hoistway door protection required**

Amended to specify the application of this section in any state institution or other state-owned or specified state-occupied building regulated by the Office of the State Fire Marshal. Renumbered the model condition regarding corridor walls to Item 9 (formerly Item 6).

#### **3006.3 Hoistway opening protection required**

Amended Item 5 to point to California Code of Regulations, Title 8, Elevator Safety Orders. Updated Item 6 pointer to refer to Section 707.6.



## **Section 3009, Private Residence Elevators**

### **3009.1 General.**

### **3009.2 Hoistway enclosures.**

### **3009.3 Hoistway opening protection**

Amended to point to California Code of Regulations, Title 8, Elevator Safety Orders.

## **Chapter 31 – Special Construction**

### **State Fire Marshal**

#### **3103.1.2.1 Water-filled vessels**

Added to align with the California Fire Code (Part 9, Title 24).

#### **3104.2 Flame propagation performance testing and registration**

Amended title to replace “certification” with “registration.” Amended model code to remove reference to NFPA 701 Test 2 testing standard to align with Title 19 testing requirements.

#### **3111.3.5 Elevated photovoltaic (PV) support structures and subsections**

##### **3111.3.6.1 Fire separation distances**

Repealed California amendment and adopted model code language.

### **Division of the State Architect**

#### **3103 Temporary Structures**

##### **3103.1 General**

Added new amendment to clarify that school buildings as defined in Section 4-314 of the California Administrative Code (Part 1 of Title 24) are not permitted to be classified as public-occupancy temporary structures.

### **Office of Statewide Health Planning and Development**

#### **3114 Intermodal shipping containers**

Clarified applicability with the addition of [OSHDP 1, 1R, 2, 4 & 5] to indicate “not permitted by OSHPD.”

### **Building Standards Commission**

#### **3109 Swimming Pools, Spas and Hot Tubs**

##### **3109.1 General**

Amended to indicate that all swimming pools and spas shall meet the standards of the California Building Code and California laws, not the International Swimming Pool and Spa Code (ISPSC).

##### **3109.2 California swimming pool safety act**

Amended to include updated provisions in Health and Safety Code Sections 115921, 115922 and 115926.

## Chapter 35 – Referenced Standards

### **Division of the State Architect and Office of Statewide Hospital Planning and Development and State Fire Marshal**

Updated and amended various referenced standards promulgated by national and international testing services and organizations.

### **Division of the State Architect**

**ANSI/AWC NDS—2024** – Added amendment to adopt the 2024 NDS Supplement.

**ASCE/SEI 7-22** – Added amendment to adopt Supplement 1.

**ASCE/SEI 41-23** – Adopted this reference standard in coordination with Part 10 – California Existing Building Code.

## CALIFORNIA RESIDENTIAL CODE – PART 2.5

### Chapter 1 – Scope and Administration

#### **State Fire Marshal**

##### **R102.8 Wildland-Urban Interface**

Added new section as a pointer to the new California Wildland-Urban Interface Code (CWUIC) which is applicable to houses built in wildland-urban interface areas.

##### **R105.2 Work exempt from permit**

Updated the pointer to the new CWUIC that is applicable even if the project is exempt from permits.



## Chapter 2 – Definitions

### Housing and Community Development

#### R202 Definitions

Amended multiple definitions to eliminate references to chapters of the IRC that are not adopted and not printed in the CRC.

### State Fire Marshal

#### R202 Definitions

Repealed multiple existing California definitions and adopted new model code definitions that contain the same language.

## Chapter 3 – Building Planning

Multiple sections and references in Chapter 3 were renumbered to align with significant numbering changes in the model code.

### State Fire Marshal

#### Multiple sections

Repealed multiple sections regarding Photovoltaic (PV) and Energy Storage Systems and adopted new model code sections that contain essentially the same language.

#### R337 Materials and construction methods for exterior wildfire exposure

Repealed all of Section R337 and replaced with a “Note” directing the code user to the new CWUIC.

## Chapter 44 – Referenced Standards

### State Fire Marshal

Updated editions of various referenced standards promulgated by NFPA.

## CALIFORNIA ELECTRICAL CODE – PART 3

### Article 89 – General Code Provisions

#### Building Standards Commission

##### 89.101.3.2 State-regulated buildings, structures, and applications

Amended to align the California Electrical Code with all other parts of Title 24.

## **Office of Statewide Hospital Planning and Development**

### **89.110 Department of Health Care Access and Information/Office of Statewide Hospital Planning and Development**

Added new/amended sections for OSHPD 6 to align requirements with statutory change in Health and Safety Code Section 1250.3.

## **Chapter 1 – General**

### **Office of Statewide Hospital Planning and Development**

#### **100 Definitions**

Moved all definitions from Article 517 to Article 100 to align with model code format.

## **Chapter 2 – Wiring and Protection**

### **Office of Statewide Hospital Planning and Development**

#### **220 Branch-circuit, feeder, and load calculations**

Amended to remove additional requirements for load calculations.

## **Chapter 4 – Equipment for General Use**

### **Housing and Community Development**

#### **406.12 Tamper-resistant receptacles**

Amended to exclude mobile homes and manufactured homes from the requirement for tamper-resistant receptacles.

## **Chapter 5 – Special Occupancies**

### **Office of Statewide Hospital Planning and Development**

#### **517.1(C) Electrical equipment schedules**

Amended to require documentation for special seismic certifications.

#### **517.4 Electric power sources, feeders and services**

Amended to list requirements for electrical power sources. An “Informational Note” was added to see Section 220.40 for sizing requirements for Electric Power Sources, Feeders and Services.

#### **517.18(B)(2) Receptacle requirements**

Repealed Exception #3, which stated hospital grade receptacles were not required in patient sleeping areas in nursing homes.

#### **517.29 Type 1 Essential Electrical Systems**

Amended (A.1) to include (Surgical Clinics only) to the existing OSHPD 3 banner.

#### **517.30(A.1) Two independent power sources**

Added new section with requirements for two independent power sources for OSHPD 1, 3 (surgical clinics only), 4 and 5.

**517.30(B.1) Power sources for the EES**

Repealed the requirements for power sources for the ESS.

**517.30(B)(3) Battery systems**

Repealed the requirements for a connection for a portable diesel generator.

**517.30(B)(4) Health care microgrid**

Repealed amendment and adopted the model code language.

**517.30(B)(5) Health care microgrid**

Amended to include requirements for meeting the installation and commissioning requirements in NFPA 99.

**517.30(D) Temporary source of power for maintenance or repair of the alternate source of power**

Added new section with requirements for temporary source of power for maintenance or repair of the alternate source of power.

**517.31(D.1) Requirements for the Essential Electrical System**

Repealed the requirement for the EES to have the capacity and rating to meet the maximum actual demand likely to be produced by the connected load.

**517.31(E) Receptacle identification**

Repealed amendment and adopted model code language.

**517.31(H) On-site energy storage systems and fuel supply**

Added new section containing requirements for on-site energy storage systems and fuel supply for OSHPD 1, 4 & 5.

**517.31(H)(1)**

Added new section containing requirements for on-site resources to support not less than 24 hours full-demand operation for correctional treatment centers, and sources to support not less than 72 hours full-demand operation for acute care hospitals.

**517.31(H)(2)**

Added new section containing requirements for Emergency Power Supply Systems for correctional treatment centers and acute psychiatric hospitals.

**517.41(A.1) Two independent power sources**

Added new section containing requirements for two independent power sources for OSHPD 2, 4 & 5.

**517.41(B.1) Power sources for the EES**

Repealed the requirements for power sources for the EES for OSHPD 2, 4 & 5.

**517.41(B)(1) through (B)(4) Fuel cell systems**

Repealed the list of approved power sources.

**517.41(D) Power sources for the EES**

Added new section which lists the approved power sources for the EES for OSHPD 2, 4 & 5.

**517.41(E) Permanent connection(s) points for EES maintenance and repairs**

Added new section containing requirements for permanent connection points for EES maintenance and repair.

**517.42 Essential Electrical Systems for nursing homes and limited care facilities****517.42(E) Receptacle identification**

Repealed the amendment and adopted model code language.

**517.42(G) On-site energy storage systems and fuel supply**

Added new section containing requirements for on-site energy storage systems and fuel supply for OSHPD 2, 4 & 5.

**517.42(G)(1)**

Added new section containing requirements for on-site resources to be available at all times to support not less than 6 hours at full output of the EPSS for OSHPD 2, 4 and 5.

**517.42(G)(2)**

Added new section containing requirements for an alternate source of power for equipment required to maintain safe temperatures, life-saving equipment and oxygen generating devices for OSHPD 2.

**517.44(3.1) Optional connections to equipment branch**

Repealed the requirements for optional connections to the equipment branch.

**517.45 Essential Electrical Systems for other health care facilities**

Repealed the existing language in (E.1) and replaced it with the existing language from (G). Existing Section (H) became (G).

Added new Section (H) which requires not less than 4 hours at full output for the EPSS for OSHPD 3 (Surgical Clinics only).

**State Fire Marshal****517.31 Requirements for the Essential Electrical System**

Co-adopted new sections (H), (H)(1) and (H)(2) in coordination with OSHPD (see above).

**517.42 Essential Electrical Systems for nursing homes and limited care facilities**

Co-adopted new sections (G), (G)(1) and (G)(2) in coordination with OSHPD.

**517.45 Essential Electrical Systems for other health care facilities**

Co-adopted new section (H) in coordination with OSHPD.

## Chapter 7 – Special Conditions

### Office of Statewide Hospital Planning and Development

#### 700.12 General Requirements

Repealed the exception in section (C) for battery systems for OSHPD 1, 2, 3, 4 & 5.

Repealed all the exceptions in section (D)(2) for OSHPD 1, 2, 3, 4 & 5 in coordination with SFM.

Repealed the exception in section (G) for OSHPD 1, 2, 3, 4 & 5.

### State Fire Marshal

#### 700.12 General Requirements

Repealed all the exceptions in section (D)(2) in coordination with OSHPD.

## CALIFORNIA MECHANICAL CODE – PART 4

## Chapter 1 – Administration

### Office of Statewide Hospital Planning and Development

Amended multiple subsections to reflect the new department name: Department of Health Care Access and Information/Office of Statewide Hospital Planning and Development.

#### 1.10.6 OSHPD 6

Added new banner designation “OSHPD 6” for a chemical dependency recovery hospital not within an acute care hospital building.

## Chapter 2 – Definitions

### Office of Statewide Hospital Planning and Development

#### Air, Relief

Removed OSHPD 1R from the banner.

#### Air terminal device

Added new definition for any device (e.g., grille, register, diffuser) placed in an opening to a room, through which controlled air enters or leaves. Component of the air-distribution system which has the purpose of achieving the predetermined movement of air into or from a treated space. Applies to OSHPD 1, 2, 3, 4 and 5.

#### Building Code, Enforcing Agency, Health Facilities

Added OSHPD 6 to existing definitions.



## **State Fire Marshal**

### **Refrigerant, Refrigerant Concentration Limit (RCL) and Refrigerant Safety Classifications**

Repealed California amendments (early adoption of definitions) and adopted model code definitions.

## **Chapter 3 – General Regulations**

### **Office of Statewide Hospital Planning and Development**

#### **321.0 Essential mechanical provisions**

Removed OSHPD 1R from the banner

#### **321.3 Cooling equipment**

Added new section regarding cooling equipment to maintain temperature and humidity listed in Table 4-A within certain operating rooms and other spaces as identified in the functional program.

#### **321.6 Control components**

Added to existing amendment, “fire and smoke dampers” under all control components and control systems to have essential electrical power.

#### **322.0 Sensitive areas or rooms**

Removed OSHPD 1R from the banner. Added new items and reformatted the list of sensitive areas or rooms.

## **State Fire Marshal**

### **307.3, 307.4**

Repealed California amendments (early adoption of refrigerant designation) and adopted model code text.

## **Chapter 4 – Ventilation Air**

### **Division of the State Architect**

Repealed “DSA-SS/CC” banners throughout the code. Community colleges are required to comply with all DSA adopted regulations under the authority of the Field Act, Education Code Section 81052. Alternatively, community colleges may comply with alternative structural safety provisions promulgated and adopted pursuant to the authority granted by Education Code Section 81053. These alternative standards are adopted and identified by the DSA-SS/CC banner.

The authority granted to DSA specifically for the adoption of alternative buildings standards for community colleges related to structural safety should only be used or referenced when promulgating an alternative standard pursuant to Education Code Section 81053. All other regulations related to the construction of community colleges are adopted and identified by the “DSA-SS” banner under the authority of Education Code Section 81052.

## Office of Statewide Hospital Planning and Development

Relocated previous section numbers to new section numbers, as follows:

407.4.1.6 to 407.4.1.2	407.4.1.5 to 407.4.4
407.4.1.1 to 407.4.1.3	407.4.1.7 to 407.4.5
407.4.1.2 to 407.4.1.7	420.0 to 407.4.1.1
407.4.1.3 to 407.4.2	408.3.4 to 408.3.2
407.4.1.4 to 407.4.3	

### Table 4-A

Repealed the 2022 version of Table 4-A and footnotes, and adopted the ASHRAE 170-2021 Table 7-1, as amended, and added table footnotes from ASHRAE 170-2021 Table 7-1 into Table 4-A.

### Table 4-B

Amended Column 3 of the table to change the heading to “A.T.D.” and MERV filters to HEPA filters. Added new Footnote #3, renumbered remaining footnotes, and revised Footnotes #4 and #5 regarding HEPA filter location.

### 402.1 Occupiable spaces

Removed OSHPD 1R from the banner. Relocated a portion of the amendment in Section 402.1.2 to this section. The change combines amendments into one paragraph as they both relate to the same ventilation requirements for healthcare buildings.

#### 402.1.2 Ventilation in health care facilities

Added to existing amendment requirement for ventilation for health care facilities to be designed and installed in accordance with the code, Table 4-A and amended list of ASHRAE 170 items.

### 406.0 Evaporative cooling system for health care facilities

Removed OSHPD 1R from the banner. Removed food preparation area from the text.

## Section 407.0 Ventilation system details

### 407.1.1 Air systems

Changed Exception Item 2 to allow unoccupied turndown to be permitted in accordance with Section 407.7 Unoccupied turndown. Repealed all other subitems.

Relocated previous language in Exception 2 for unoccupied mode to new Section 407.7. Added a column to Table 4-A to identify which spaces are permitted to use unoccupied turndown to match the 2021 ASHRAE 170. Revised OSHPD amendments to coordinate with the national standard.

#### **407.2.2.1 Hazardous exhaust outlets**

Add new section clarifying that hazardous exhaust outlets from airborne infection isolation rooms and other hazardous rooms shall have a laboratory chemical fume hood with added discharge requirements.

#### **407.3.1 Air balance**

Added language to clarify the pressurization requirement is to be met per Table 4-A.

#### **407.4 Air circulation**

##### **407.4.1.3**

Amended to clarify air supplied to operating rooms and similar spaces shall be delivered by a primary supply diffuser array in accordance with ASHRAE 170.7.4.1.

##### **407.4.1.4, 407.4.1.5, 407.4.1.6**

Added new sections to provide requirements for the location of supply registers and return/exhaust inlets, and air supply requirements including low level inlets.

##### **407.4.2**

Revised to match CBC Section 1020.6 for air movement in corridors. Amended Exception 1 to state that use of corridors as a source of makeup air for exhaust systems is permitted where allowed by the CBC.

##### **407.4.5 Recirculating room units**

Revised to clarify requirements for recirculating room units which shall be permitted to provide a portion of total air changes in excess of minimum outside air changes where indicated in Table 4-A.

##### **407.4.5(3)**

Amended to provide for use of a MERV 8 or manufacturer's recommended (OSHDP 2) filter upstream of any surface that is designed to condense water.

##### **407.4.5(4)**

Added new section to allow coils designed not to condense water shall maintain surfaces above the dew point temperature.

##### **407.4.5.1 Recirculating room units for unoccupied spaces**

Added new section regarding filtration for unoccupied spaces not directly connected to a patient care area.

#### **407.5 Variable air volume**

##### **407.5.1.4**

Added new section for sensitive spaces or rooms to be provided with controls on the return or exhaust duct system to maintain constant flows.

##### **407.5.1.5**

Added new section to provide return air controls for each system, floor, or area with similar conditions.

## **407.7 Unoccupied turndown**

### **407.7.1**

Relocated Exception 2 into this new section and split the paragraph into four subsections to identify the conditions that allow the number of air changes permitted to be reduced.

## **407.8 Building pressurization**

### **407.8.1**

Added a new section to align with AHSRAE 170 regarding building pressurization to ensure a building does not fall under negative pressure causing nonfiltered air to be brought into the building.

### **408.1.5 and 408.1.6**

Amended to align with the minimum requirement in ASHRAE 170 regarding HEPA filtration for high-risk operating rooms and protective environment rooms. Revised Table 4-B to align with this requirement. Repealed previous amendment, but this does not prevent a designer from voluntarily installing additional filtration in the air handler.

### **408.1.7**

Added a new section specific to HEPA filtration to note the requirement in Table 4-B for HEPA filtration to be installed at the terminal device outlet.

## **408.2 Filters for hospitals**

### **408.2.2, 408.2.3, 408.2.4**

Repealed these sections since the requirements have been fully incorporated into Section 407.4.5, Recirculating Room Units.

## **408.3 Filters for skilled nursing facilities, intermediate care facilities, and correctional treatment centers**

### **408.3.2, 408.3.3, 408.3.4**

Repealed Sections 408.3.2 and 408.3.3 since the requirements have been fully incorporated into Section 407.4.5 Recirculating Room Units. Section 408.3.4 was renumbered to 408.3.2.

## **408.4 Filters for outpatient facilities**

### **408.4.1**

Revised to clarify that the air ventilation systems for outpatient facilities shall have filter bank efficiencies as listed in Table 4-B.

### **408.4.2**

Moved the filtration requirement for recirculating room units to Section 407.4.5. Repealed the OSHPD amendment for 408.4.2.

## **408.5 Filters for recirculating room units**

### **408.5.1**

Added a new section pointing to Section 407.4.5 for filtration of recirculating room units. Added additional language to confirm that the full filtration required per Table 4-B is needed when Table 4-A is marked “No” for recirculating room units.

## **409 Ducts**

### **409.3, 409.4**

Repealed amendment. Insulation of ducts is covered in Section 605 and the amendment in 409.3 is a duplicate of the amendment in Section 605.1. Section 409.4 is renumbered to 409.3.

## **414.0 Airborne infection isolation rooms**

### **414.1 Exhaust systems**

Amended the seven-foot discharge height for airborne infection isolation exhaust to 10 feet. The national standard requires a minimum 10 feet exhaust height.

## **417.0 Testing and balancing airborne infection isolation rooms and protective environment rooms**

Modified this section to include air balance testing which shall include a pressure test at all doors serving the isolation, protective environment and ante rooms to provide directional pressure relationships.

## **Chapter 6 – Duct systems**

### **Office of Statewide Hospital Planning and Development**

#### **603.4 Flexible air ducts**

##### **603.4.1.1 Flexible ducts**

Added a sentence to clarify that a flexible duct is not permitted when fire and/or smoke dampers are omitted in corridor construction per CBC Section 717.5.4. The CBC exception also requires the duct work to be constructed of steel of not less than a 0.019-inch thickness.

#### **605.0 Insulation of ducts**

##### **605.2**

Added room types that are considered sensitive areas and not permitted to have acoustical lining materials: Class 3 imaging, hybrid operating rooms and protective environment rooms. Added pointer to ASHRAE 170, Section 6.9 for duct lining for nonsensitive areas or rooms.

##### **605.3**

Amended to repeal the MERV 17 filter rating. A MERV 17 filter rating is not equivalent to a HEPA filter. Coordinated with the change in Table 4-B that defines the minimum requirements for a HEPA filter.

## Chapter 11 – Refrigeration

### Office of Statewide Hospital Planning and Development

#### Table 1104.1 Permissible refrigeration systems

Repealed the I-2.1 occupancy from occupancy group in Table 1104.1 for Permissible Refrigeration Systems.

### State Fire Marshal

Repealed requirements throughout Chapter 11 for A2L refrigerants that were early adopted as California amendments in the 2022 Supplements. Adopted model code.

The industry's efforts to address lower Global Warming Potential (GWP) refrigerants led to the development of lower flammability refrigerants—A2Ls. Chapter 11 includes these lower flammability refrigerants in Table 1102.3 and contains specific A2L and B2L provisions to address the precautions necessary to properly use these products.

## Chapter 12 – Hydronics

### California Energy Commission

#### 1217.10.1 California Energy Code Pipe Insulation Requirements

Updated pointers for pipe insulation requirements within the California Energy Code (Part 6 of Title 24) for Tables 120.3-A-1 and 120.3-A-2.

## Chapter 18 – Referenced Standards

### State Fire Marshal

Updated the publication year for many existing referenced standards.

### Office of Statewide Hospital Planning and Development

Added new reference standard for IEST RP-CC001.7 that defines the minimum requirements for HEPA and ULPA filters.

## CALIFORNIA PLUMBING CODE – PART 5

## Chapter 1 – Administration

### Office of Statewide Hospital Planning and Development

Amended multiple subsections to reflect the new department name: Department of Health Care Access and Information/Office of Statewide Hospital Planning and Development.

#### 1.10.6 OSHPD 6

Added new banner designation “OSHPD 6” for a chemical dependency recovery hospital not within an acute care hospital building.

## Chapter 2 – Definitions

### Office of Statewide Hospital Planning and Development

Amended existing definitions.

#### Handwashing fixture

Added that the flow rate for a non-aerating laminar flow device shall not be less than 1 gallon per minute.

#### Scrub sink

Added requirements for controls to not involve contact with the upper extremities. Single-lever wrist blades shall not be permitted except for the temperature pre-set valve.

## Chapter 4 – Plumbing Fixtures and Fixture Fittings

### Division of the State Architect

Repealed “DSA-SS/CC” banners throughout the code. Community colleges are required to comply with all DSA adopted regulations under the authority of the Field Act, Education Code Section 81052. Alternatively, community colleges may comply with alternative structural safety provisions promulgated and adopted pursuant to the authority granted by Education Code Section 81053. These alternative standards are adopted and identified by the DSA-SS/CC banner.

The authority granted to DSA specifically for the adoption of alternative building standards for community colleges related to structural safety should only be used or referenced when promulgating an alternative standard pursuant to Education Code Section 81053. All other regulations related to the construction of community colleges are adopted and identified by the “DSA-SS” banner under the authority of Education Code Section 81052.



## **Building Standards Commission, Division of the State Architect and Department of Housing and Community Development**

### **408.3 Water consumption**

Amended to align with appliance efficiency regulations adopted by the California Energy Commission in Title 20 and showerhead requirements in CALGreen.

### **420.3.1 Pre-rinse spray valves**

Repealed existing California amendment and adopted model code.

## **Building Standards Commission and Division of the State Architect**

### **422.1.1 Fixture calculations and 422.2 Separate facilities**

Repealed existing California amendment and adopted model code regarding all-gender multi-user restroom fixtures. Added a BSC amendment to indicate that separate private areas for urinals and water closets located in a privacy compartment shall comply with sections 422.6 and 422.7 of the California Plumbing Code.

### **422.6 Water closet compartment and 422.7 Urinal partitions**

Added an exception referring to IAPMO's Z124.10 Type A Security for state buildings, University of California and California State University buildings, public elementary and secondary schools, community college buildings, and state-owned or state-leased essential services buildings.

## **Office of Statewide Hospital Planning and Development**

### **422.3.1 Fixture requirements for special occupancy**

Added a second exception that separate toilet facilities for patients, staff, and visitors in public visitor waiting areas with an occupant load of 10 or less shall be permitted for use by both sexes.

## **Chapter 6 –Water Supply and Distribution**

## **Office of Statewide Hospital Planning and Development**

### **604.0 Materials**

#### **604.1 Pipe, tube, and fittings**

Added Exception for OSHPD 1, 2, 3, 4 & 5 regarding the use of CPVC which is not permitted for potable water.

### **609.0 Installation, testing, unions, and location**

#### **609.10 Disinfection of potable water system**

Added new Item 5 for OSHPD 1, 2, 3, 4 & 5 to the disinfection requirements for the timing of the disinfection procedures relative to the occupancy of a building to align with ASHRAE 188.



## **613.0 Domestic hot-water distribution systems for health facilities and clinics**

### **Table 613.1 Hot water use**

Updated Note #1 regarding rinse water temperature at warewashers or potsinks to align with the California Retail Food Code, Title 22, and Facility Guidelines Institute (FGI) guidelines. Added new Note #3 requiring dietary hot water temperatures to meet minimum temperature requirements at the point of use.

### **613.2 Storage**

Added to existing amendment for water heaters and hot-water storage tanks. Storage water heaters and hot water tank storage are to be maintained at 140 degrees Fahrenheit or above.

### **613.6 Recirculation**

Added to existing amendment for hot water recirculation to coordinate with FGI and to require the hot water recirculation piping to return the recirculation loop back through the hot water source. The non-recirculated fixture branch piping shall not exceed 10 feet.

### **613.9 Flushing**

Added new section for hot water distribution to add test ports and valved openings for flushing of portions of the system in accordance with the facilities water management program defined in Appendix N.

## **614.0 Dialysis water-distribution systems**

### **614.1 and 614.7 Piping materials**

Added to an existing amendment for the piping materials allowed in dialysis feedlines to include CPVC to coordinate with AAMI standard RD 62.

## **616.0 Emergency water supply**

### **616.1 Emergency water supply**

Added SPC 4D rating to list of ratings to support 72 hours of continuing operation of on-site water supply in the event of an emergency.

### **616.3 Water disinfection**

Added new section regarding storage tank connections and circulation to limit water stagnation and temperature stratification.

## **Chapter 7 – Sanitary Drainage**

### **Office of Statewide Hospital Planning and Development**

#### **727.1 Emergency sanitary drainage**

Added SPC 4D rating to list of ratings to support 72 hours of continuing operation of onsite holding tanks to store sewage and liquid waste sufficient to operate essential hospital utilities and equipment in the event of an emergency.

## Chapter 15 – Alternate Water Sources for Nonpotable Applications

### Building Standards Commission and Department of Housing and Community Development

#### **1506.10.2 Minimum water quality**

Added IAPMO IGC 324 as an applicable standard for water quality for on-site treated nonpotable gray water when there are no local water quality requirements.

### Department of Water Resources

#### **1505.1 General**

Amended to refer to the new “State Water Resources Control Board’s Cross-Connection Control Policy Handbook” along with existing reference to California Code of Regulations (CCR) Titles 22 and 23. Deleted Title 17 from referenced CCR titles in this section.

#### **1505.4 Connections to potable or recycled water supply systems**

Amended Exception #4 to clarify the source of regulatory information for recycled water application and uses shall be the new “State Water Resources Control Board’s Cross-Connection Control Policy Handbook” which replaces Title 17 provisions.

## Chapter 16 – Nonpotable Rainwater Catchment Systems

### Building Standards Commission and Department of Housing and Community Development

#### **1603.20 Rainwater diversion valves**

Amended to remove reference to IAPMO PS 59 and IAPMO IGC 352 standards to allow use of other available approved diverter valves.

## Chapter 17 – Referenced Standards

### Office of Statewide Hospital Planning and Development and State Fire Marshal

Updated existing referenced standards to the latest edition and added two new referenced standards:

**ANSI/AAMI/ISO 23500-2** – Preparation and Quality Management of Fluids for Haemodialysis and Related Therapies – Part 2: Water Treatment Equipment for Haemodialysis Applications.

**ANSI/AAMI/ISO 23500-3** – Preparation and Quality Management of Fluids for Haemodialysis and Related Therapies – Part 3: Water for Haemodialysis and Related Therapies

## CALIFORNIA ENERGY CODE – PART 6

Please visit the [California Energy Commission's website](https://energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/online-resource-center/overview) for Part 6 updates.

[energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/online-resource-center/overview](https://energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/online-resource-center/overview)

## CALIFORNIA WILDLAND-URBAN INTERFACE CODE – PART 7

### Overview

The new California Wildland-Urban Interface Code (CWUIC), based on the International Wildland-Urban Interface Code, was created by relocating chapters, sections and language from several parts of Title 24, including the California Building Code (Chapter 7A), California Residential Code (Section R337) and the California Fire Code (Chapter 49). Additionally, it incorporates other provisions from Title 24 (not relocated), and sections from Title 14 (Natural Resources) and Title 19 (Public Safety) of the California Code of regulations, and sections from the Government Code, the Health and Safety Code, and Public Resources Code.

Section H107, Cross Reference Tool, was added to Appendix H of the CWUIC. It lists each section of the code and identifies the source document and section for each provision.

SECTION H107—CROSS REFERENCE TOOL										
<i>The following matrix identifies each section in the California Wildland-Urban Interface Code and identifies the source document and section for the provisions. Some sections in this code are derived from more than one source and the language has been editorially massaged to coalesce and correlate with the other provisions in this code.</i>										
2025 CWUIC		Adopted Yes/No	IWUIC Section	CBC Section	CFC Section	Title 14, Division 1.5 Section	Title 19, Division 1 Section	Gov Code Section	PRC Section	HSC Section
Section	Title									
Chapter 2	Definitions									
	Fire hazard severity zones	Y		702A	4902.1			2201		
	Fire protection plan	Y		702A	4902.1					
	Fire weather	Y								
	Fire-resistance-rated construction	Y								
	Fire-smart vegetation	Y			4902.1	1271.01				
	Flame spread index	Y								
	Fuel	Y								4291(a)(1)(A)
	Fuel break (T14)	Y				1270.01(n)				

As part of the effort to consolidate language from the multiple areas of law and regulations, a reasonable amount of “clean-up” was made before codifying the language into the CWUIC. This consisted of clarifying intent, correcting minor errors from previous code cycles, and reorganizing sections to align with model code.

## **Chapter 1 – Scope and Administration**

This chapter contains administrative provisions. Consistent with other parts of Title 24, it consists of two divisions: Division I details the state agencies' administrative provisions and Division II contains model code sections with amendments incorporated from the California Building Code (CBC), California Fire Code (CFC), and California Residential Code (CRC). The sections in Division I have been incorporated from the California Building Code (Part 2), the California Fire Code (Part 9) and Title 14.

## **Chapter 2 – Definitions**

Definitions in this chapter are an aggregate collection of terms used in the laws and regulations referenced above.

## **Chapter 3 – Wildland-Urban Interface Areas**

Language in Chapter 3 has been migrated from the California Fire Code and also incorporates provisions from the Public Resources Code and the Government Code to provide the framework for defining and designating wildland-urban interface areas within the state.

## **Chapter 4 – Wildland-Urban Interface Areas Requirements**

Chapter 4 provides the access, water supply, and fire protection plan requirements that apply to all occupancies in the wildland-urban interface based on designated fire hazard severity zones. Amendments delete and/or replace model code language where it conflicts with existing California laws and regulations, and incorporate sections from the CFC as well as requirements found in Title 14 and Title 19.

## **Chapter 5 – Special Building Construction Regulations**

Chapter 5 contains regulations that establish minimum standards for the location, design and construction of buildings and structures within designated fire hazard severity zones or WUI areas. Amendments delete and/or replace model code language where it conflicts with existing California laws and regulations, and incorporate provisions from the Health and Safety Code. All of the regulations from Chapter 7A in the CBC and Section R337 in the CRC have been relocated into Chapter 5.

## **Chapter 6 – Fire Protection Requirements**

Chapter 6 contains additional requirements for development and construction in Local Responsibility Areas (LRA) and areas designated as State Responsibility Areas (SRA). Amendments delete and/or replace model code language where it conflicts with existing California laws and regulations, relocate provisions from CFC Chapter 49, and incorporate provisions found in Title 14 and Title 19 for the code user's

convenience. The chapter includes requirements for the establishment and maintenance of defensible space and other mitigation strategies to reduce the hazards of fire originating within a structure spreading to wildland, and fire originating in wildland spreading to structures.

## **Chapter 7 – Referenced Standards**

Chapter 7 contains referenced standards of the 2024 IWUIC and is amended to incorporate all relevant standards referenced in various sections of the CWUIC.

## **Appendix A – General Requirements**

Appendix A, while not adopted by SFM, can be enforced by a local jurisdiction when specifically included in its adopting ordinance. This appendix provides fire protection measures supplemental to those found in Chapter 6 to reduce the threat of wildfire in a wildland-urban interface area and improve the capability for controlling such fires.

## **Appendix B – Vegetation Management Plan**

Appendix B, while not adopted by SFM, can be enforced by a local jurisdiction when specifically included in its adopting ordinance. This appendix provides criteria for submitting vegetation management plans, specifying their content, and establishing a criterion for considering vegetation management as a fuel modification.

## **Appendix C – Community Wildland-Urban Interface (WUI) Fire Hazard Evaluation Framework**

Deleted 2024 IWUIC Appendix C – Fire Hazard Severity Form and replaced it with Appendix C – Community Wildland-Urban Interface (WUI) Fire Hazard Evaluation Framework that is printed, but not adopted by SFM, in the 2025 CWUIC. This framework is provided for information purposes (not intended for adoption) and can be used as a guideline for firesafe councils and others. This appendix contains the same language as Appendix P of the 2022 CFC (renumbered to Appendix Q in 2025 CFC).

## **Appendix D – Model Ordinance for Fire Hazard Severity Zone Adoption**

Deleted 2024 IWUIC Appendix D – Fire Danger Rating System and replaced it with Appendix D – Model Ordinance for Fire Hazard Severity Zone Adoption. This appendix is a sample ordinance for a city, county, city and county, or fire district to use to establish and designate fire hazard severity zones within their jurisdiction.

## **Appendix E – [Reserved]**

Deleted 2024 IWUIC Appendix E – Findings of Fact, and reserved Appendix E for future use.

## **Appendix F – Characteristics of Fire Smart Vegetation**

Appendix F is informational and provided for the convenience of the code user. It contains a list of the eight characteristics of fire-smart vegetation that can be used effectively within wildland-urban interface areas to reduce the likelihood of fire spread through vegetation.

## **Appendix G – Voluntary Home Hardening Recommendations**

Deleted 2024 IWUIC Appendix G – Self-Defense Mechanism and replaced it with Appendix G – Voluntary Home Hardening Recommendations. Appendix G provides nonmandatory home hardening recommendations for existing structures to protect them from wildfire. It also provides correlation and consistency with California Department of Forestry and Fire Protection (CalFire) home hardening guidelines.

## **Appendix H – Referenced California Documents**

Deleted IWUIC Appendix H – Wildland-Urban Interface Code Flowchart and replaced it with Appendix H – Referenced California Documents to provide excerpts of statutes and regulations that are the sources for California amendments in the 2025 CWUIC. This includes reprinting certain sections from California laws: Civil Code, Government Code, Public Resources Code, Health and Safety Code, and California Code of Regulations Titles 14 and 19.

## **Appendix I – Board of Appeals**

Appendix I, while not adopted by SFM, can be enforced by a local jurisdiction when specifically included in its adopting ordinance or legislation. It provides guidelines for establishing a board of appeals to hear applications for modifications of requirements in the CWUIC.

## **CALIFORNIA FIRE CODE – PART 9**

All amendments and additions in this part are proposed by the Office of the State Fire Marshal.

### **Chapter 1 – Scope and Administration**

#### **1.11.2.4 Request for alternate means of protection**

Updated the reference pointer to California Code of Regulations (CCR) Title 19 due to program changes in the requirements of Risk Management Plans and the handling of hazardous materials under the oversight of CalEPA (AB 148, Stats. 2021). These programs were previously in CCR Title 19, Division 2 (CalOES), but are now located in Title 19, Division 5 (CalEPA), and have been effective as of March 6, 2024.

#### **1.11.4.4 Fire clearance pre-inspection**

Corrected the reference pointer that delegates authority from the State Fire Marshal to the local fire prevention enforcement authority, which is governed by Health and Safety Code Sections 13145 and 13146.

#### **102.13 Wildland-Urban Interface**

Added a new section providing reference to the newly adopted California Wildland-Urban Interface Code (CWUIC), Part 7 of Title 24. As a result of the creation of the CWUIC, Chapter 49 is deleted from the California Fire Code (CFC). Other changes affect provisions and references in CFC Chapters 2 and 3, and Appendix P, as well as chapters in the California Building Code and California Residential Code (Parts 2 and 2.5 of Title 24).

#### **105.5.14 Energy Storage Systems**

Provided exceptions to requirements for an operational permit for stationary and mobile ESS for detached one- and two-family dwellings and townhouses, other than Group R-4.

## **Chapter 2 – Definitions**

### **Definitions related to battery types**

Amended model code definitions and added several new battery type definitions to correlate with current International Fire Code and NFPA 855 technology requirements. The intent is to increase understanding of the application of code requirements to new technologies with no associated increases in technical requirements.

### **203 Occupancy classification and use**

Occupancy classification definitions have been relocated from Section 202 into new Section 203 in 2024 IFC, so existing 2022 amendments to these definitions have been relocated also.

#### **203.4.2 Group E, child-care facilities**

##### **203.7.4.1 Classification as Group E**

Amended the exception to Group E child-care facilities and added language with special provisions to include those occupancies providing care for 6-100 children under 36 months of age, allowing them to operate when in compliance with special requirements.

## **Chapter 3 – General Requirements**

### **320 Battery storage**

#### **320.1 General**

Replaced existing amendments in 2022 CFC Section 322 with new 2024 IFC Section 320 which has been amended in 2025 CFC to address all battery storage regardless of the battery type. Added Exemption 6 to clarify it is not the intent of this



section to regulate miscellaneous small consumer-size batteries in equipment (radios, power tools, etc.), or batteries staged or charging as commonly found in maintenance areas, fire stations, contractor shops, etc.

### **Sections 320.1.1 through 320.1.2**

Added new sections to address storage of lithium-ion, lithium metal, and other battery types.

#### **320.4.1.1 Unused or unwanted battery collection**

Revised to clarify batteries placed loose into open-top containers is for collection of used or unwanted batteries from the public or a building's employees (NFPA 855).

#### **320.4.1.2 Waste storage**

Added a common practice provision for limited storage (DOT regulations) to require batteries be placed in bags to prevent short-circuiting and space between filled with vermiculite. The quantity is still limited to 15 cf.

#### **320.4.1.3 Miscellaneous storage**

Added new section to clarify that other storage configurations are allowed. Provides for storage in original wholesale shipping containers and DOT packaging which has undergone extensive testing for shipping of lithium-ion batteries and cells.

#### **320.4.3 Outdoor storage and subsections**

Added requirements for a technical report to evaluate the fire and explosion risks associated with outdoor storage of lithium-ion and lithium-metal batteries and to make recommendations for fire and explosion protection.

Revised and updated existing amendments that were relocated and merged with new model code sections to address the following requirements:

- Distance from storage to exposures
- Storage area size limits and separation
- Fire detection
- Containers
- Weather protection

#### **320.5 Other Battery Types General and subsections**

Added amendments providing general guidance for safe storage of batteries other than lithium-ion and lithium-metal consistent with updated requirements and standards of care in the industry, including the following:

- Impact protection
- Battery charging and long-term storage practices
- Mechanical exhaust requirements
- Spill control capabilities
- Hazard warning signage and NFPA 704 placarding



## Chapter 9 – Fire Protection and Life Safety Systems

Existing 2022 California amendments in Chapter 9 are carried forward, repealed, renumbered and updated to align with revised 2024 IFC formatting and language.

### **903.3.1.1.1 Exempt locations**

Deleted existing amendment Number 6 in the listed locations regarding elevator hoistways, machine rooms, machinery spaces, control spaces and control rooms, and the reference pointer to CBC Section 3005.4.1.

### **903.4.3 Alarms**

Deleted existing amendment regarding visible alarm notification and reference pointer to Section 907.

### **905.4 Location of Class I standpipe hose connections**

Deleted model code language in Item 6 that was an existing amendment that was overlooked in the 2022 CFC (amendment was not carried forward).

### **907.2.12 Special amusement areas**

Repealed and replaced some existing amendments with model code language in Section 907.2.12, and blended existing amendment regarding exit access into new model code language to carry forward existing provisions. Repealed amendments in model code Sections 907.2.12.1 - 907.2.12.3 as these sections do not exist in 2024 IFC. Matched the same modifications made to Section 907.2.12 in the California Building Code, Part 2 of Title 24.

### **915.4.4 Interconnection**

Replaced new model language with existing amendment as 2024 IFC has copied portions of the California amendment, but left out the majority of the information needed for clarity and consistency in implementation and enforcement.

### **915.6.1 Enclosed parking garages**

Added an amendment to coordinate with the existing provision in Section 915.6.1 of Part 2.

## Chapter 10 – Means of Egress

### **1008.3 Illumination required by an emergency electrical system**

Added amendment to reinstate provisions published in several previous editions of the California Building Code to address previously adopted requirement for egress lighting for I-2 occupancies and align with provisions published in National Fire Protection Association 101 – The Life Safety Code.

### **1009.4.1 Standby power**

### **1015.2 Where required**

Added new amendment to align with the California Building Code.

**Table 1020.2 Corridor fire-resistance rating**

Modified existing amendment to repeal line-item for occupancy Group E, and to require one-hour fire resistance rating for corridors with sprinklers in occupancy Group I-4. Aligned with the same section in the California Building Code, Part 2 of Title 24.

**1026.6 Two-way communication**

Added new amendment specifying that two-way communication systems must be installed in all horizontal exit compartments. An Exception for I-2 and I-3 facilities is provided. Aligned with the same section in Part 2.

**Chapter 31 – Tents, Temporary Special Event Structures and Other Membrane Structures****3104.2 Flame propagation performance testing and registration****3106.3 Combustible materials**

Added amendments to clarify that all fabrics and all interior decorative fabrics or materials shall be flame resistant in accordance with the provisions set forth in California Code of Regulations, Title 19 (Public Safety), Division 1, Chapter 8.

**Chapter 49 – Requirements for Wildland-Urban Interface (WUI) Fire Areas**

Added a “User Note” to direct code users to the new California Wildland-Urban Interface Code. This chapter is deleted from the CFC.

**Chapter 80 – Referenced Standards**

Updated adoption of referenced standards to the newest editions published and available for adoption.

**CALIFORNIA EXISTING BUILDING CODE – PART 10****Chapter 1 – Scope and Administration****Office of Statewide Hospital Planning and Development**

Amended multiple sections to reflect the change in the department name: Department of Health Care Access and Information/Office of Statewide Hospital Planning and Development.

**1.10.6 OSHPD 6**

Added new sections for OSHPD 6 to align requirements with statutory change in Health and Safety Code Section 1250.3.

**107.1 General**

Clarified that only one extension is permitted for temporary uses, equipment and systems.

## Chapter 2 – Definitions

### Office of Statewide Hospital Planning and Development

Updated applicability of several definitions to include OSHPD 1R, 2, and 5 applications.

## Chapter 3 – Provisions for All Compliance Methods

### Division of the State Architect

#### 317.3.1

Added [DSA-SS] banner, which was unintentionally omitted in the last edition of Title 24, relative to seismic evaluation and rehabilitation of buildings.

### Building Standards Commission and Division of the State Architect

#### Table 317.5

Revised footnotes and seismic performance criteria for Risk Category IV buildings to align with the model code and adopted referenced standard.

#### 318 Definitions

Repealed the definition of REPAIR in coordination with the adoption of the model code definition for the same term contained in Section 202.

#### 319.2 Existing conditions

Amended to coordinate with changes made in the newly adopted 2023 edition of the adopted standard, ASCE 41: Seismic Evaluation and Retrofit of Existing Buildings.

#### 319.5 Configuration requirements

Relocated existing amendment from Section 319.7.2 to Section 319.5, as the basis for determination of an irregular classification belongs in the primary section addressing irregularities rather than a later section defining the conditions that require the use of Method B.

#### 319.7 Prescriptive selection of the design method with subsections

Amended to improve the presentation and clarity of provisions that define conditions requiring the use of Method B and relocated some language to Section 319.5.

### Division of the State Architect and Department of Housing and Community Development

#### 306 Accessibility for existing buildings

Removed the content of model code Section 306 as it is not adopted in California and clarified the notes about application of Chapters 11A and 11B.

## **Department of Housing and Community Development**

### **301.3 Alteration, addition or change of occupancy**

#### **301.3.2 Work area compliance method**

Repealed the notes as HCD adopted Chapters 6-11 that address work area compliance method.

## **State Fire Marshal**

### **308.1 Carbon monoxide detection**

Removed model code exceptions to requirements for carbon monoxide detection.

## **Office of Statewide Hospital Planning and Development**

### **304.3.3 Criteria for incidental and minor structural alteration, additions, or repairs of pre-1973 code buildings**

Added provisions for incidental and minor alteration pursuant to statutory mandate.

### **312.3.1 Freestanding buildings containing qualifying nonacute care services**

Added permitting for chemical dependency recovery services pursuant to statutory mandate contained in Health and Safety Code Section 1250.3(f).

### **312.3.6 Chemical dependency recovery services**

Added new section recognizing that chemical dependency recovery services may be provided in a building that has been removed from general acute care pursuant to Health and Safety Code Section 1250.3(f).

## **Chapter 3A – [OSHPD1] Provisions for All Compliance Methods**

## **Office of Statewide Hospital Planning and Development**

### **302A.3.1 Existing seismic force-resisting systems.**

Corrected the reference to point to the California Building Code for seismic coefficients since they are not provided in the California Existing Building Code.

### **304A.3.4 - 304A.3.4.8 Performance objectives of performance-based methods**

Clarified the application of ASCE 41-13 and ASCE 41-23 specifying how they apply to various types of buildings.

### **304A.3.5 - 304A.3.6.9 Modifications to ASCE 41-13**

Clarified modifications to ASCE 41-13 for SPC-2 and SPC-4D and added new sections to address modifications to ASCE 41-23.

### **311A.1.1.1.1 - 311A.1.1.1.3 Means of egress for hospital buildings**

Corrected code references to point to new building provisions in the California Building Code for bracing requirements of nonstructural components in the path of egress.

## Chapter 4 – Repairs

### Building Standards Commission

#### 401.1 Scope

Removed reference to Chapter 12 of 2024 IEBC and referred to the California Historical Building Code (CHBC).

#### 407.1 General

Adopted Section 407.1 and co-adopted existing HCD amendment that refers to California Mechanical Code (Part 4 of Title 24).

#### 408.1 Materials

Adopted Section 408.1 and co-adopted existing HCD amendment that refers to California Plumbing Code (Part 5 of Title 24) and added reference to Division 5.3 of the California Green Building Standards Code (Part 11 of Title 24, known as CALGreen).

#### 408.2 Water closet replacement

Adopted Section 408.2 and co-adopted existing HCD amendments which correct the maximum flow rate for water closets. Deleted the model code exception.



## Chapter 4A – Repairs

### Office of Statewide Hospital Planning and Development

#### 401A.3, 405A.1, 405A.2.1, 405A.2.3, 405A.2.3.1, 405A.2.3.3, 405A.2.4, 405A.2.6

Repealed existing OSHPD amendments to several sections because these provisions are now included in the model code language.

#### 405A.2.3.3 Extent of repair for noncompliant buildings

Lowered limit for seismic load to 75% of new building design earthquake forces for consistency with ASCE 41 requirements.

#### 408A.2 Water closet replacement

Deleted the model code exception for blowout-design water closets.

## Chapter 5 – Prescriptive Compliance Method

### Building Standards Commission

#### 502.1 General

Amended Exception #2 to maintain status quo requiring structural elements to comply with the requirements of Sections 317 through 322 for projects within BSC's authority and listed in Section 1.2 of the CEBC.

#### 507 Historic buildings

Replaced model code provisions for historic buildings with reference to the California Historical Building Code.

### Office of Statewide Hospital Planning and Development

#### 502.1 General

Added amendment to remove limitation of structural requirements to Sections 502.2 through 502.3 for applicable OSHPD applications.

### State Fire Marshal

#### 502.5, 503.16 and 503.16.1

Replaced Group I-1 with R-2.1 since Group I-1 is not used in California.

## Chapter 5A – Prescriptive Compliance Method

### Office of Statewide Hospital Planning and Development

Several sections in Chapter 5A were renumbered to align with the new format of the 2024 IEBC.

#### 502A.1 General

Deleted model code language to remove limitation of structural requirements to Sections 502.2 through 502.3 for applicable OSHPD applications.

#### 502A.2, 502A.3, 503A.1, 503A.3, 506A.1, 506A.3

Repealed California amendments and adopted model code language.

#### 503A.3.1 Design live load

Deleted because the language duplicated Section 304A.1.

#### 503A.4 Existing structural elements carrying gravity load

Revised existing amendments to align with changes in 2024 IEBC. Clarified the amount of reduced seismic forces to be permitted.

#### 503A.13 Voluntary seismic improvements

Replaced with IEBC Section 503.13 and carried forward some previous amendments.

#### **506A.5 Structural**

Replaced existing amendments with IEBC Section 506.5, except Section 506.5.3 Exceptions and Section 506.5.4.

#### **507A Historic Buildings**

Deleted IEBC section since there are no OSHPD 1 buildings classified as historic buildings.

### **Chapters 6 through 11**

#### **Building Standards Commission**

##### **708.1, 809.1 and 907.1 1104.1 Minimum requirements**

Replaced model code energy conservation provisions with reference to the California Energy Code (Part 6 of Title 24).

#### **State Fire Marshal**

##### **902.2 and 902.2.1, 1011.5.2, 1101.5**

Replaced Group I-1 with R-2.1 since Group I-1 is not used in California.

##### **904.1.8 Supervision and alarms**

Deleted this new model code section to eliminate possible conflicts with existing California laws and regulations.

#### **Department of Housing and Community Development**

##### **Chapters 6 through 11**

HCD adopted Chapters 6-11 that address work area compliance method.

### **Chapter 16 – Referenced Standards**

#### **Building Standards Commission, Division of the State Architect, Department of Housing and Community Development, and Office of Statewide Hospital Planning and Development**

**ASCE 41 2023** Adopted the 2023 edition of ASCE 41.

#### **Division of the State Architect and Office of Statewide Hospital Planning and Development**

**ASCE 7 2022** Updated supplements to match reference in the California Building Code (Part 2 of Title 24) and the 2022 edition of ASCE 7.

#### **State Fire Marshal**

**NFPA 72 2025** Adopted the 2025 edition of NFPA 72.

# CALIFORNIA GREEN BUILDING STANDARDS CODE – PART 11

## Chapter 2 – Definitions

### Department of Housing and Community Development (HCD)

#### Residential Long-Term Bicycle Parking

Added to describe secured bicycle parking for more than twelve hours.

#### Residential Short-Term Bicycle Parking

Added to describe secured bicycle parking for less than twelve hours in unsheltered, open area.

### California Energy Commission (CEC)

#### Energy Design Rating (EDR) and Time Dependent Valuation (TDV) Energy

Deleted definitions.

#### Energy Budget

Revised to remove references to the previously used energy metric—Time Dependent Valuation (TDV)—for measuring energy consumption. New reference to the new energy metric—Long-term System Cost (LSC)—added as specified in Section 10-109 of the California Energy Code (Part 6 of Title 24) and the Alternative Calculation Method (ACM) Reference Manual.

#### Long-Term System Cost (LSC)

Added to describe California Energy Commission's projected present value of costs to California's energy systems over a period of 30 years.

#### Recovered Energy and Recovered Energy, On-Site

Added to describe the energy used in a building that is recovered from various building functions, equipment and processes; energy that would otherwise be wasted.

#### Solar Pool Heating System

Added to describe an assembly of components designed to heat water for swimming pools, spas, or swimming pool and spa combinations by solar thermal means, excluding pool recirculation components.

## Chapter 4 – Residential Mandatory Measures

### Department of Housing and Community Development

#### 4.106.4.2.2 Multifamily dwellings

#### 4.106.4.2.6 Hotels and motels

Removed requirements for hotels and motels from Section 4.106.4.2.2 and created new **Section 4.106.4.2.6 Hotels and motels** for electric vehicle (EV) charging requirements for those occupancies.



Revised subsections in these two sections to clarify and address the following compliance requirements:

- Appropriate numbers of Low Power Level 2 and Level 2 EV charging receptacles for dwelling units with assigned and unassigned parking.
- Parking facilities served by parking lifts.
- Charging receptacles at assigned parking spaces shall be provided with a dedicated branch circuit connected to the dwelling unit's electrical panel, when practical.
- Percentages of parking spaces not already provided with low-power Level 2 EV charging receptacles, and common use parking, shall be provided with Level 2 EV chargers at a rate of twenty-five (25) percent of those spaces (an increase from the current ten (10) percent).
- Allowance for the designation of specific EV charger connector types—J1772 or J3400—to provide flexibility to the designer or builder to serve most EV users.
- Added mandatory ALMS measures under new subsection number 4.106.4.2.2 (2)(c) as an option to reduce maximum required electrical capacity for the site.

#### **4.106.4.3 Electric vehicle charging for additions and alterations of parking facilities serving existing multifamily buildings, hotels and motels.**

Modified existing requirements for EV capable spaces to include a requirement for either a low-power Level 2 EV charging receptacle or a Level 2 EV charger.

Removed the EV capable spaces percentage requirements, and added that each parking space being added or altered will be required to be equipped with a Low Power Level 2 EV charging receptacle or a Level 2 EV charger.

Added an exception for the installation of Level 1 EV charging receptacles during alterations and additions to existing parking facilities serving multifamily buildings, hotels, and motels.

Removed Notes 1 and 2 as they are no longer relevant to this section.

#### **4.106.4.4 Bicycle parking**

Made previously voluntary measures mandatory for newly constructed multifamily buildings, hotels, and motels. Amended to clarify the type of long-term bicycle parking enclosures and anchoring required for hotels and motels.

#### **4.303.1.4.5 Pre-rinse spray valves**

Replaced references to and reprints from California Code of Regulations, Title 20, Appliance Efficiency Regulations with reference to the California Plumbing Code (Part 5 of Title 24), Section 420.3. Coordinated with the Building Standards Commission (BSC), California Energy Commission (CEC), and the Division of the State Architect (DSA) with no intended change in regulatory effect.

## Chapter 5 – Nonresidential Mandatory Measures

### Building Standards Commission

#### **Section 5.106.4.1.1 Short-term bicycle parking**

Amended to provide a new compliance method based on the number of anticipated “peak daily visitors” instead of the number of vehicle parking spaces used by customers. Removed the exception for additions or alterations that add nine or fewer visitor vehicular parking spaces.

#### **Section 5.106.4.1.2 Long-term bicycle parking (general)**

Relocated bicycle parking requirements from Section 5.106.4.1.5 into main paragraph using existing code section.

#### **Section 5.106.4.1.2.1 Long-term bicycle parking (for new buildings) and Section 5.106.4.1.2.2 Long-term bicycle parking (for additions or alterations) and Section 5.106.4.1.2.3 Long-term bicycle parking (for shell buildings)**

Added and amended long-term bicycle parking requirements to provide a new compliance method based on the number of “tenant-occupants” instead of the number of vehicle parking spaces used by workers and increased percentage from five (5) percent to ten (10) percent.



#### **5.106.5.3 Electric vehicle (EV) charging (exceptions)**

Amended existing Exception #2 for parking spaces accessible only by automated mechanical car parking systems to align with HCD requirements for residential occupancies.

#### **Table 5.106.5.3.1 Electric vehicle (EV) charging**

Amended by adding a title and creating separate columns for “Other than Office and Retail” and “Office and Retail.” Increased number of required Electric Vehicle Charging Stations. Amended table Footnote #2.

#### **5.106.5.3.2.1 Receptacle configurations**

Added to allow use of NEMA receptacle configuration types.

#### **5.106.5.3.2.2 EV charger connectors**

Added to specify that EV chargers shall be equipped with SAE J1772 with a maximum output 240 Volts AC or SAE J3400 connectors.

#### **5.106.5.3.2.4.1 Raceway capacity requirements**

Added to allow for future upgrades to the electrical conductors serving Low Power Level 2 charging receptacles 208/240-volt 20-ampere to a dedicated 208/240-volt 40-ampere branch circuit.

#### **Table 5.106.5.3.6 EVCS–Power allocation method**

Amended by adding a title and creating separate columns for “Other than Office and Retail” and “Office and Retail.”

Amended Footnote #3 to specify that the maximum allowed kVA to be utilized for EV capable spaces is 50 percent (reduced from 75 percent).

Added new Footnote #5 to set the maximum kVA power allowed in column 4 for EV capable spaces to 25 percent. This change leaves 75 percent of the available kVA required to be used for EVCS which may increase the number of EVCS.

#### **5.106.5.6 Electric vehicle charging stations (EVCS)–Power allocation method**

Added new subsections with similar amendments found in Section 5.106.5.3.2 Electric vehicle charging stations (EVCS):

Section 5.106.5.3.6.1 Receptacle Configurations

Section 5.106.5.3.6.2 EV Charger Connectors

Section 5.106.5.3.6.3 Raceway Capacity Requirements

#### **5.106.5.4.2 Existing buildings or parking areas with previously installed EV capable infrastructure**

Amended to promote more installed chargers by requiring that all existing EV capable spaces, panel capacity and conduit at a site must be built out before any new EV capable spaces are added.

#### **Section 5.506.4 Carbon dioxide (CO<sub>2</sub>) monitoring in classrooms**

Added requirements for carbon dioxide (CO<sub>2</sub>) monitoring in newly constructed projects and qualifying additions and alterations for University of California, California State University, and private school classrooms, lecture and post-secondary classrooms.

### **Building Standards Commission and Division of the State Architect – Structural Safety**

#### **Section 5.303.3.4.6 Pre-rinse spray valve**

Replaced references to and reprints from California Code of Regulations, Title 20, Appliance Efficiency Regulations with reference to the California Plumbing Code (Part 5 of Title 24), Section 420.3. Added “Commercial Pre-Rinse Spray Valves” to clarify application.

## **Division of the State Architect – Structural Safety**

### **5.506.3 Carbon dioxide (CO<sub>2</sub>) monitoring in classrooms**

Amended description of classrooms that shall be equipped with a carbon dioxide monitor or sensor to include “other similar rooms that are used for group instruction.”

## **Chapter A4 – Residential Voluntary Measures**

### **Department of Housing and Community Development**

#### **A4.106.8.2.1 Multifamily dwellings, hotels and motels**

- Increased numbers of Low Power Level 2 EV and Level 2 EV charging receptacles for dwelling units with assigned and unassigned parking relative to the mandatory requirements.
- Increased EV-ready parking spaces with Low Power Level 2 EV receptacles from fifty (50) percent to sixty (60) percent.
- Specified raceway capacity requirements for future upgrades to electrical conductors.
- Clarified exceptions regarding EV charging in parking facilities served by parking lifts.
- Increased compliance requirements and percentages for EV-ready parking spaces with EV chargers from fifteen (15) percent to forty (40) percent of the total number of parking spaces.
- Clarified that, when practical, EV charging receptacles at assigned parking spaces shall be provided with a dedicated branch circuit connected to the dwelling unit’s electrical panel.
- Amended requirements for multifamily parking facilities with unassigned or common use parking spaces shall be provided with Level 2 EV chargers at a rate of forty (40) percent, an increase from current fifteen (15) percent.
- Deleted Tier 2 options for EV Ready and EV charging receptacles in multifamily parking facilities.
- Deleted Tier 2 options for EV chargers for projects with 20 or more dwelling units, sleeping units or guest rooms.

#### **A4.106.9 Bicycle parking**

Deleted, relocated to Chapter 4, and amended.

### **California Energy Commission**

#### **Section A4.203 Performance approach for newly constructed buildings**

Repealed various existing voluntary code sections and provisions to renumber, reformat, modify, and adopt new sections addressing newly defined terms regarding energy efficiency, climate zone compliance margins, as well as lighting efficiency consultation requirements for local electric service providers.

### **Section A4.204 Requirements for alterations to existing buildings**

Added voluntary provisions regarding mechanical ventilation systems and solar heating systems for altered pool and spa heating in existing multifamily facilities.

## **Chapter A5 – Nonresidential Voluntary Measures**

### **Building Standards Commission**

#### **Table A5.106.5.3.1 Tier 1 EV capable spaces and EVCS**

#### **Table A5.106.5.3.3 Tier 2 EV capable spaces and EVCS**

Amended by adding a title and creating separate columns for “Other than Office and Retail” and “Office and Retail.”

Amended Footnote #2 to clarify that each EVCS shall reduce the number of required EV capable spaces by the same number.

#### **Table A5.106.5.3.2 Tier 1 EVCS–Power allocation method**

#### **Table A5.106.5.3.4 Tier 2 EVCS–Power allocation method**

Amended by adding a title and creating separate columns for “Other than Office and Retail” and “Office and Retail.” Amended Footnote # 3 and added Footnote #5.

### **California Energy Commission**

#### **Section A5.203 Performance approach**

Repealed various existing voluntary code sections and provisions to renumber, reformat, modify, and adopt new sections addressing newly defined terms regarding energy efficiency, climate zone compliance margins, as well as lighting efficiency consultation requirements for local electric service providers.

#### **Section A5.204 Requirements for alterations to existing buildings**

Added to address provisions regarding mechanical ventilation systems, and solar heating systems for altered pool and spa heating in existing nonresidential facilities.

#### **Section A5.211 Reserved**

The requirements of A5.211 “Renewable Energy” no longer apply to voluntary measures addressing reliable reductions in wasteful, uneconomic, inefficient, or unnecessary consumption of energy as directed by California Public Resources Code Sections 25213 and 25402 due to issues with implementation and enforcement.

#### **Section A5.213 Energy efficient framing**

Changed the section title from “Energy Efficient Steel Framing” to “Energy Efficient Framing.”