

BUILDING STANDARDS COMMISSION

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CALIFORNIA BUILDING STANDARDS COMMISSION

INFORMATION BULLETIN 20-04

(REVISED)

DATE: December 31, 2020

TO: CBSC INTERESTED PARTIES
LOCAL BUILDING DEPARTMENTS
STATE AGENCIES AND DEPARTMENTS

SUBJECT: 2019 California Building Standards Code: 2019 Intervening Code Adoption Cycle Supplement including Tall Wood/Mass Timber regulations and state agency authority

The purpose of this information bulletin is to notify code users of changes recently adopted during the 2019 Intervening Code Adoption Cycle. These changes will be published as Supplements (blue pages) to various parts of the 2019 California Building Standards Code, Title 24 of the California Code of Regulations (Title 24) on or before January 1, 2021 and become effective and enforceable July 1, 2021. Additionally, this bulletin explains the purpose and application of Supplements, as well as provides references to regulations and laws that identify state agency authority to promulgate regulations into Title 24 for specific occupancy types.

The California Building Standards Commission (CBSC) approved changes affecting the following parts of Title 24:

- Part 1—California Administrative Code
- Part 2—California Building Code, Volumes 1 and 2
- Part 2.5—California Residential Code
- Part 3—California Electrical Code
- Part 4—California Mechanical Code
- Part 5—California Plumbing Code
- Part 9—California Fire Code
- Part 10—California Existing Building Code
- Part 11—California Green Building Standards Code (CALGreen)

Effective Dates and Application of the 2019 Intervening Code Adoption Cycle Supplement

During the [2019 Intervening Code Adoption Cycle](#) rulemakings were approved by CBSC and filed with the California Secretary of State. See the History Notes contained in the Supplements for effective dates.

As provided for in [Health and Safety Code \(HSC\) Section 18938.5](#), only those building standards approved by CBSC and that are effective at the local level at the time an application for a building permit is submitted shall apply to the plans and specifications for, and to the construction performed under, that permit. The 2019 edition of Title 24 remains in effect and is applicable to all plans and specifications for, and to the construction performed under, that building permit. The provisions contained within the 2019 Intervening Code Supplement become effective and are enforceable as noted below.

Effective Dates

- **July 1, 2021** is the statewide effective date established by CBSC pursuant to [Health and Safety Code Section 18938, subdivision \(c\)](#) for the majority of the rulemakings approved by CBSC at its July 13-15, August 13-14, and November 5, 2020 meetings. Please take note that the Supplement (blue pages) will reflect the effective date for the rulemakings; this effective date is also included in the History Note Appendix. The History Note Appendix is an important element to consult when determining the effective date of these regulations.
- **September 19, 2020** is the statewide effective date for rulemakings affecting the California Administrative Code (Cal. Code Regs., Title 24, Part 1), which were approved at the August 13-14, 2020 meeting and filed with the Secretary of State on August 20, 2020. Again, please consult the History Note Appendix accompanying the Supplement to verify the effective date of the regulations.

Significant Changes to Title 24 by Part:

The following identifies significant changes in the 2019 edition of Title 24. For matters not listed here, please refer to the margin markings in the Supplement publication which identify deletions and additions to Title 24.

These regulations have been promulgated by the following state agencies:

- California Building Standards Commission (BSC)
- Department of Housing and Community Development (HCD)
- Division of the State Architect – Access Compliance (DSA-AC)
- Division of the State Architect – Structural Safety/Community Colleges (DSA-SS/CC)
- Office of the State Fire Marshal (SFM)
- Office of Statewide Health Planning and Development (OSHPD)

Part 1 – 2019 California Administrative Code (CAC)

- **BSC** proposed various changes to Chapter 1 of the 2019 California Administrative Code for various articles as listed below:
 - Section 1-101 – Abbreviations was updated for the State Library.
 - Section 1-103 – Definitions was updated to clarify that the use of “fractions thereof” in the regulation refers to \$25,000 increments of building permit valuations.
 - Section 1-103 – The existing definition of Petition was amended to clarify that certain state agencies may also receive petitions regarding building standards.
 - Existing Subsection 1-315(b) 1 was amended to include that a pertinent regulation may also represent a conflict with a current building standard and is cause for petitioning either the commission or the appropriate state agency.
 - Several subsections within 1-415 were modified to provide more clarity regarding the final rulemaking file submitted to BSC by state proposing agencies.
 - Section 1-503 – Definitions. Fees, appropriate fractions thereof. This change was made to amend the title to remove the word “appropriate” for Fees, fractions thereof.
 - Section 1-505 – Fee Assessment. Subsection 1-505(B) and Table 1-505 were amended to clarify how jurisdictions are required to calculate and assess the fee on building permits.
 - Section 1-507(a) 1 – Fee collection. This subsection was amended to clarify that the Fee Report Form (BSC-2) be complete.
 - Section 1-509(a) – Request for refund of fees. This subsection was amended for grammatical consistency. The word “determine” is amended to “determines.”
- **DSA-SS/CC** proposed various changes to Chapter 4 of the 2019 California Administrative Code for various articles as listed below that may impact public school construction:
 - Section 4-306 – Approval of new school buildings, rehabilitation of school buildings and additions to school buildings.
 - Section 4-309(a) – Reconstruction or alteration projects in excess of \$100,000 in cost.
 - Section 4-315 – Application for approval of drawings and specifications.
 - Section 4-317 – Plans, specifications, calculations and other data.
 - Section 4-333 – Observation and inspection of construction.
- **OSHPD** proposed various changes to Chapters 6 and 7 covering multiple topics.
 - Section 1.5.2 – Delay in compliance.
 - Section 7-111 – Definitions. Emergency Repair, Hospital Building, Maintenance, Substantial Compliance.
 - Section 7-113 – Application for plan, report or seismic compliance extension review.
 - Section 7-118 – Building Energy Efficiency Program.
 - Section 7-125 – Final review of construction documents – (e) Changes in scope.
 - Section 7-133 – Fees – (d) Preliminary review and (h) Phased submittal and collaborative review.

- 7-134 – Fee refund.
- 7-153 – Changes to the approved work.
- 7-204 – Minimum qualification for examination.

Part 2 – 2019 California Building Code (CBC)

The 2021 International Building Code (IBC) added important changes in material technologies and their expanded use on Tall Wood Buildings. However, the 2021 IBC will not be proposed for adoption into Title 24 and become effective until January 1, 2023. Therefore, with SFM leading the way, CBSC, DSA-SS/CC, and HCD proposed for adoption Tall Wood/Mass Timber building standards for early use starting on July 1, 2021.

SFM was the lead agency to address the Tall Wood/Mass Timber proposals because SFM is the state agency with authority to promulgate fire and panic safety regulations for inclusion in Title 24. A significant portion of the adopted provisions for Tall Wood/Mass Timber impacted provisions in Part 2 under the authority of SFM. The following is an excerpt from HSC Section 13143.6 (d), that shows the statutory authority of SFM to promulgate these regulations relative to fire and panic safety.

HSC 13143.6. (d) The provisions of this section, building standards adopted by the State Fire Marshal pursuant to this section and published in the State Building Standards Code relating to fire and panic safety, and the other regulations adopted by the State Fire Marshal pursuant to this section shall apply uniformly throughout the State of California, and no county, city, city and county, or district shall adopt or enforce any ordinance or local rule or regulation relating to fire and panic safety in buildings or structures subject to the provisions of this section which is inconsistent with the provisions of this section, building standards published in the State Building Standards Code relating to fire and panic safety, or the other regulations adopted by the State Fire Marshal pursuant to this section.

Below is a list of those applications as regulated by SFM which include, but are not limited to, the following in accordance with 2019 California Building Code, Chapter 1, Section 1.11:

1. Buildings or structures used or intended for use as a(n):
 - a. Asylum, jail, prison.
 - b. Mental hospital, hospital, home for the elderly, children's nursery, children's home or institution, school or any similar occupancy of any capacity.
 - c. Theater, dancehall, skating rink, auditorium, assembly hall, meeting hall, nightclub, fair building or similar place of assemblage where 50 or more persons may gather together in a building, room or structure for the purpose of amusement, entertainment, instruction, deliberation, worship, drinking or dining, awaiting transportation, or education.

- d. Small family day-care homes, large family day-care homes, residential facilities and residential facilities for the elderly, residential care facilities.
 - e. State institutions or other state-owned or state-occupied buildings.
 - f. High rise structures.
 - g. Motion picture production studios.
 - h. Organized camps.
 - i. Residential structures.
2. Tents, awnings or other fabric enclosures used in connection with any occupancy.
 3. Fire alarm devices, equipment and systems in connection with any occupancy.
 4. Hazardous materials, flammable and combustible liquids.
 5. Public school automatic fire detection, alarm and sprinkler systems.
 6. Wildland-urban interface fire areas.

The following is a listing of the state agencies and the provisions promulgated for the California Building Code, Part 2, Title 24:

- **SFM** proposed regulations for Tall Wood and Mass Timber construction as an early adoption by California into the 2019 edition of the California Building Code, as well as various other regulations listed below:
 - Chapter 2. New definitions added for Mechanical-Access Enclosed Parking Garage, Puzzle Room and Special Amusement Building Area.
 - Chapter 3. Section 306.2 – Moderate-hazard factory industrial, Group F-1. Section 310.3.1 – Community correction reentry centers was proposed to be deleted from the Residential Group R-2.1 occupancy classification, which is no longer applicable. Section: 310.5 – This change corrected the number of ambulatory clients. It was never intended to state the strict or exact number of six clients. The change also correlates with the fire code definition.
 - Chapter 4. Section 403.1 – Title change. Section 403.3.2 – Water supply to required fire pumps. Section 404.6 – Enclosure of atriums. Various Sections in 406 – Motor-vehicle-related occupancies. Section 407 – Group I-2 and Group I-2.1. Section 408 – Group I-3. Section 411 – Special amusement areas. Section 414 – Hazardous materials. Section 435 – Special provisions for licensed 24-hour care facilities in a Group R-2.1, R-3.1, R-4. Section 453 – Group L.
 - Chapter 5. Section 504 – Building height and number of stories. Section 506 – Building area. Section 508 – Mixed use and occupancy. Section 509 – Incidental use.
 - Chapter 6. Section 601 – General. Section 602 – Construction classification.
 - Chapter 7. Section 703 – Fire-resistance ratings and fire tests. Section 707 – Fire barriers. Section 709 – Smoke barriers. Section 716 – Opening protectives. Section 718 – Concealed spaces. Section 722 – Calculated fire resistance.
 - Chapter 7A. Section 705A – Roofing. Section 706A – Vents. Section 709A – Decking.

- Chapter 9. Section 903 – Automatic sprinkler systems (related to enclosed parking garages). Section 904 – Alternative automatic fire-extinguishing systems. Section 905 – Standpipe systems. Section 907 – Fire alarm and detection systems. Section 909 – Smoke control systems. Section 911 – Fire control center.
 - Chapter 10. Section 1004 – Occupant load. Section 1010 – Doors, gates and turnstiles. Section 1030 – Emergency escape and rescue.
 - Chapter 15. Section 1505 – Fire classification.
 - Chapter 17. Section 1705 – Required special inspections and tests.
 - Chapter 23. Section 2304 – General construction required.
 - Chapter 30. Section 3002 – Hoistway enclosures. Section 3003 – Emergency operations. Section 3005 – Machine rooms. Section 3007 – Fire service access elevator. Section 3008 – Occupant evacuation elevators.
 - Chapter 31. Section 3102 – Membrane structures.
 - Chapter 35. Add new referenced standard: ANSI/APA PRG 320.
- **BSC** proposed regulations for Tall Wood and Mass Timber construction as an early adoption by California into the 2019 edition of the California Building Code, as well as various other regulations listed below:
 - Chapter 1, *Division II* Scope and Administration. Section 110.3.12 – *Type IV-A, IV-B, and IV-C connection protection inspection.*
 - Chapter 2. New definition added for *Mass Timber.*
 - Chapter 17. Section 1705.5.7 – *Mass timber construction* and *Table 1705.5.7 – Required Special Inspections of Mass Timber Construction.* Also, added new Section 1705.20 – *Sealing of mass timber.*
 - Chapter 23. Added Section 2304.10.1.2 – *Connection fire resistance rating.*
 - Chapter 31, Special Construction:
 - Amended existing Section 3102.3 – Type of construction to add construction type IV-HT for tall wood construction.
 - Added a “NOTE” to the Swimming Pool Safety Act information in Section 3109.2 referring to local government authority to further amend.
 - Chapter 35, Referenced Standards. Added two new referenced standards to address Tall Wood/Mass Timber provisions.
 - APA
 - ANSI/APA PRG 320-18: Standard for Performance-rated Cross Laminated Timber 2303.1.4
 - ASTM
 - D3498-03(2011): Standard Specification for Adhesives for Field-Gluing Plywood to Lumber Framing for Floor Systems
- **OSHPD** proposed regulations for Tall Wood and Mass Timber construction as an early adoption by California into the 2019 edition of the California Building Code, as well as other regulations listed below:

- Chapter 1, *Division I Scope and Administration*. Section 110.1 – **1.10.1 OSHPD 1 and OSHPD 1R**. Application.
 - Added reference to SPC Classification.
- Chapter 1, *Division II Scope and Administration* Section 104.11.4 *Earthquake monitoring instruments*. Added reference to Appendix L in the Building Code.
- Chapter 2. New definition added for various types of *EQUIPMENT* and *HANDWASHING FIXTURES*.
- Chapter 12 Interior Environment
 - Section 1224.3 *Definitions*. Updated definitions of *HANDWASHING STATION* and *PATIENT CARE LOCATIONS* and *PATIENT ROOM*.
 - Section 1224.18.3 Removal of 1R Occ. Classification added inadvertently in prior rulemaking cycle.
 - Section 1224.23.1 General storage was amended to required storage, including but not limited to patient, dietary, etc., shall accommodate at least 72 hours of storage capacity.
 - Section 1224.29.2 *Newborn intensive care units (NICU)* had various amendments NICU areas and Infant formula facilities.
 - Section 1224.33.3.7 *Trauma/cardiac rooms*, addressing handwashing requirements.
 - Add new Section 1224.33.3.14 *Medication preparation room*.
 - Add new Section 1224.35 *REHABILITATION THERAPY DEPARTMENT*.
 - Amend Section 1226.5 *OUTPATIENT CLINICAL SERVICES OF A HOSPITAL*.
 - Add new Section 1228.30.3 *Activity areas*.
- Chapter 16A – Structural Design
 - Section 1617A.1.18 *ASCE 7*, Section 13.1.4 update various sections regarding ASCE 7. Add new Section 13.1.4.a [OSHPD 1, 1R, 2, 4 & 5].
- Chapter 17A SPECIAL INSPECTIONS AND TESTS
 - Add new Exception to 1705A.12.5 *Architectural components*.
 - Add new item 7 to Section 1705A.13.3.1 to address imaging equipment needs as well as various minor edits and a new item 12 - Temporary and Interim equipment.
- Chapter 18A SOILS AND FOUNDATIONS
 - Section 1809A.10 Pier and curtain wall foundations. Not permitted by OSHPD.
- Chapter 21 MASONRY
 - Minor amendment to 2103.5 *Air entrainment*.
 - Amend Section 2104.2 *Grouted masonry* to address standard TMS 602
 - Various sections amended. 2105.2 Compressive Strength, f 'm., 2105.3 Mortar and grout tests., 2106.1.1 Modifications to TMS 402, 2107.4 [OSHPD 1R, 2 & 5] TMS 402, Section 8.3.7, maximum bar size, 2107.6 [OSHPD 1R, 2 & 5] Modify TMS 402, Section 8.3.4.4

- Chapter 22 STEEL
 - Sections 2205.4 Modifications to AISC 358 and 2205.4.2 Moment Connection - Chapter 11 minor amendments.
 - New Section 2205.4.3 *Bolted Moment Connection - Chapter 11, Supplement No. 1.*
 - Section 2205A Structural Steel, 2205A.4 Modifications to AISC 341
 - Amend sections 2205A.5.1 and 2205A.5.2.
 - New section added 2205A.5.3 *Bolted Moment Connection - Chapter 11, Supplement No. 1.*
- APPENDIX L - EARTHQUAKE RECORDING INSTRUMENTATION
 - Section 1.101.3 Maintenance. Data retrieval from instruments and processing equipment.
- **DSA–SS/CC** proposed regulations for Tall Wood and Mass Timber construction as an early adoption by California into the 2019 edition of the California Building Code, as well as other regulations listed below:
 - Chapter 1, *Division II* Scope and Administration. Section 110.3.12 – *Type IV-A, IV-B, and IV-C connection protection inspection.*
 - Chapter 2. New definition added for Mass Timber.
 - Chapter 16, Structural Design
 - Section 1617.3.2 – Modifications to load combinations in ICC 300.
 - Chapter 16A, Structural Design
 - Section 1605A.4 – Modifications to load combinations in ICC 300.
 - Chapter 17A, Special Inspections and Tests
 - Section 1701A.1.3.1 – Minor edits.
 - Section 1705A.5.4 – *Structural glued laminated and cross-laminated timber.*
 - Section 1705A.5.7 – *Mass timber construction and 1705A.5.7 – Table.*
 - Section 1705A.20 – *Sealing of mass timber.*
 - Chapter 18A, Soils and Foundations
 - Section 1809A.10 – Pier and curtain wall foundations. Not permitted.
 - Chapter 19, Concrete
 - Minor amendments to Sections 1909.4.4 – Surface preparation and 1909.4.5 – Joints.
 - Chapter 19A, Concrete
 - Minor amendments to Sections 1908A.1 – General, 1908A.7 – Joints and 1908A.12 – *Placing.*
 - Chapter 23, Wood
 - Section 2304.10.1.2 – *Connection fire resistance rating.* New section added.
 - Sections 2304.11.3 – Floors and 2304.11.4 – Roof decks. Minor amendments.
 - Chapter 31, Special Construction

- Amended existing Sections 3102.3 – Type of construction and 3102.6.1 – Noncombustible membrane to add construction type IV-HT for tall wood construction.
 - Chapter 35, Referenced Standards. Added two new referenced standards to address Tall Wood/Mass Timber provisions.
 - APA
 - ANSI/APA PRG 320-18: Standard for Performance-rated Cross Laminated Timber 2303.1.4
 - ASTM
 - D3498-03(2011): Standard Specification for Adhesives for Field-Gluing Plywood to Lumber Framing for Floor Systems
- **DSA-AC** added amendments to the accessibility provisions within the 2019 California Building Code, Vol. 1, Chapter 11B, Part 2, Title 24.
 - Electric Vehicle Charging Stations
 - Circulation Path Requirements
 - Public Housing Facility Site Impracticality
- **HCD** proposed regulations for Tall Wood and Mass Timber construction as an early adoption by California into the 2019 edition of the California Building Code, as well as various other regulations listed below:
 - Chapter 1, Division I and II Scope and Administration
 - *Section 1.1.9 – Effective Date of this Code.*
 - *Section 1.8.4.1 – Permits.* Added a new “Exception” to address retroactive permits.
 - *Section 110 – Inspections.* Added new Subsection *110.3.12 – Type IV-A, IV-B and IV-C connection protection inspection.*
 - Chapter 2, Definitions. Added new definitions for Accessory Dwelling Unit (ADU), Mass Timber and Wall, Load-bearing.
 - Chapter 17, Special Inspections and Tests
 - *Section 1705.5.7 – Mass timber construction and Table 1705.5.7,* including minor amendments to various subsections.
 - Chapter 23, Wood
 - *Section 2304.10.1.2 – Connection fire resistance rating.* Add new section.
 - Sections 2304.11.3 – Floors and 2304.11.4 – Roof decks. Minor amendments.
 - Chapter 3, Special Construction
 - Amended existing Sections 3102.3 – Type of construction and 3102.6.1.1 – Noncombustible membrane to add construction type IV-HT for tall wood construction.
 - Chapter 33, Safeguards During Construction
 - Section 3307 – Protection of adjoining property reference to Civil Code.
 - Chapter 35, Referenced Standards. Added two new referenced standards to address Tall Wood/Mass Timber provisions.

- APA
 - ANSI/APA PRG 320-18: Standard for Performance-rated Cross Laminated Timber 2303.1.4
- ASTM
 - D3498-03(2011): Standard Specification for Adhesives for Field-Gluing Plywood to Lumber Framing for Floor Systems
- Appendix Chapter O, Emergency Housing
 - Section O103.3 – Occupant load. Add new Exception #3 for emergency housing size.

Part 2.5 – 2019 California Residential Code (CRC)

- **HCD** Proposed changes to the CRC to address various sections as shown below:
 - Chapter 1, Division I and II Scope and Administration
 - *Section 1.1.9* – Effective date of this code
 - *Section 1.8.4.1* – Permits. Added a new “Exception” to address retroactive permits.
 - Chapter 2, Definitions. Added new definition for *Accessory Dwelling Unit (ADU)*.
 - Appendix Chapter X, Emergency Housing
 - *Section X103.3* – Occupant load. Add new Exception #3 for emergency housing size.

Part 3 – 2019 California Electrical Code (CEC)

- **SFM** proposed changes to the CEC to address Executive Order B-52-18 that charged various state agencies to bring in regulations for the use of mass timber in California. The electrical component of the Tall Wood Building (TWB) was suggested by National Electrical Manufacturers Association representatives to address an oversight in the proposals and to correct the intent of the use for Non-Metallic (NM) cable.
 - **334.10 Uses Permitted.** A Tentative Interim Amendment (TIA), issued by the National Fire Protection Association (NFPA) within the California Electrical Code. The technical merits of allowing NM cable in buildings higher than four stories should be fully discussed and vetted through the regular process during the 2023 National Electrical Code (NEC) code change process.
 - The State Fire Marshal proposed to adopt the following Articles that were missed during the 2018 Triennial Rulemaking Cycle:
 - Article 90, General Code Provisions
 - Article 425, Fixed Resistance and Electrode Industrial Process Heating Equipment

- Article 691, Large-Scale Photovoltaic (PV) Electric Power Production Facility
- Article 710, Stand Alone Systems
- Article 712, Direct Current Microgrids

Part 4 – 2019 California Mechanical Code (CMC)

- **HCD** proposed changes to the mechanical code to address various sections. See below:
 - Chapter 1, Division I and II Scope and Administration
 - *Section 1.1.9* – Effective date of this code
 - *Section 1.8.4.1* – Permits. Added a new “Exception” to address retroactive permits.
 - Chapter 2, Definitions. Added new definition for *Accessory Dwelling Unit (ADU)*.
- **OSHPD** proposed various changes to the mechanical code as shown below:
 - Chapter 1, Division I Scope and Administration
 - *Sections 1.10.1 OSHPD 1 and OSHPD 1R* clarify application of OSHPD’s occupancies.
 - Chapter 3, General Regulations
 - *Section 301.7 OSHPD 1R [OSHPD 1R]*. For OSHPD 1R, refer to Section 309 of California Existing Building Code for general requirements.
 - OSHPD no longer adopts Section 303.2 – Closet or Alcove Installations.
 - *Section 306.2 – Building automation systems [OSHPD 1]*. Add new section.
 - *Section 320.4.4 – Technology equipment centers*. Add new section.
 - *Section 323.0 – Mechanical Equipment Schedules [OSHPD 1, 1R, 2, 4 & 5]*. Add new section.
 - Chapter 4, Ventilation Air
 - Miscellaneous amendments to various sections to address OSHPD occupancy identifiers and information based on ASHRAE 52.2.
 - *Section 402.1.3(1)*. New section to address ventilation rates for areas not specified in Table 4-A.
 - *Section 407.4.1.7*. New section to address Recirculating Room Units.
 - *Section 408.2 – Filters for hospitals*. Miscellaneous sections amended for ventilation including amendments to Table 4-A.
 - Chapter 5, Exhaust Systems
 - *Section 507.7 – Pharmaceutical compounding exhaust discharge [OSHPD 1, 2, 3, 4 & 5]*.
 - Chapter 10, Boilers and Pressure Vessels

- *Section 1001.2.1 [OSHPD 1, 1R, 2, 3, 4, 5 & 5]*. New section for boiler rooms and enclosures.
- Chapter 11, Refrigeration
 - Section 1104.3 – Institutional occupancies. Added new exception for OSHPD 1 & 4.

Part 5 – 2019 California Plumbing Code (CPC):

- **BSC** proposed various changes to the following plumbing code provisions:
 - Chapter 4. Table 4-1 (proposed to replace Table A) to address required minimum plumbing fixture counts per occupancy. Alternate Table 4-1 is proposed to supersede existing Table A, and incorporate numerous additions, deletions and revisions, intending to improve upon Table A.
 - Chapter 15. Section 1502.3 – Cross-connection inspection and testing was amended to address testing protocols.
 - Chapter 16. Section 1602.9.6 – Minimum treatment and water quality for rainwater and Section 1605.3.2 (6) – Cross-connection inspection and testing were also amended to address testing protocols.
- **HCD** proposed various changes to the following plumbing code provisions:
 - Chapter 1. Section 1.1.9 – Effective date of this code. Added a new “Exception” to address retroactive permits.
 - Chapter 2. Definitions. Added new definitions for Accessory Dwelling Unit (ADU), Meter and Submeter.
 - Chapter 3. Section 311.1 – General. Added information for ADU’s stating ADU’s may not be required to have an independent or separate connection.
 - Chapter 4. Section 420.3.1 – Pre-rinse spray valves. Align with the appliance efficiency regulations adopted by the California Energy Commission into Title 20 of the California Code of Regulations. On January 28, 2019, the amended federal standards for all commercial pre-rinse spray valves went into effect (Title 10, Code of Federal Regulations, Section 431, Subpart O).
 - Chapter 6. Section 601.2.1 – Submeters. Amended entire section (repeal and replace) and added a new Section 601.2.2 for submeter testing.
 - Chapter 15. Section 1502.3 – Cross-connection inspection and testing was amended to address testing protocols.
 - Chapter 16. Section 1602.9.6 – Minimum treatment and water quality for rainwater and Section 1605.3 – Cross-connection inspection and testing were also amended to address testing protocols.

Part 9 – 2019 California Fire Code (CFC)

The 2021 International Fire Code (IFC) added important changes in material technologies and their expanded use on Tall Wood Buildings to correspond with similar

modifications proposed to the 2021 IBC. However, the 2021 IFC will not be proposed for adoption into Title 24 and become effective until January 1, 2023. Therefore, SFM adopted Tall Wood/Mass Timber building standards for early use starting on July 1, 2021.

- **SFM** added regulations for Tall Wood and Mass Timber construction as an early adoption by California into the 2019 edition of the California Fire Code in coordination with the Tall Wood/Mass Timber changes added to the 2019 California Building Code, as well as various other regulations listed below:
 - **Energy Storage Systems (ESS):** Chapter 1, Division II, Section 105 – Permits, various sections.
 - Chapter 2, Definitions – Various definitions addressing:
 - Energy Storage Systems (ESS)
 - Special Amusement Area
 - Elevator Operation and Maintenance
 - Puzzle Room

Part 10 – 2019 California Existing Building Code (CEBC)

- **OSHPD** made changes related to occupancy classification added in prior cycle:
 - Chapter 1, Administration, Division I
 - Sections 1.10.1 OSHPD 1 and OSHPD 1R. Clarification of the application for [OSHPD 1R] to include “SPC or freestanding” nonconforming hospital buildings that have been removed from acute-care service.
 - Section 1.10.4 OSHPD 4. Alignment of code language to reflect the enforcing agency for Correctional Treatment Centers.
 - Chapter 2, Definitions
 - Added the banner for [OSHPD 1, 1R, 2, 4 & 5] to various definitions to clarify it is adopted by OSHPD.
 - Chapters 3 and 3A. Provisions for all compliance measures.
 - Addressing removal of hospital from general acute care services.
 - Adopt entirety of Chapters 2, 3, 4 and 5 of the 2018 International Existing Building Code (IEBC) for OSHPD 3.
- **HCD** proposed changes to various chapters in Part 10 as follows:
 - Chapter 1, Administration Division I and II
 - Section 1.1.9 – Effective date of this code.
 - Section 109.3.6 – Weather-exposed balcony and walking surface waterproofing.
 - Chapter 2, Definitions. New definitions added:
 - Accessory Dwelling Unit
 - Exterior Elevated Element
 - Chapter 3, Provisions for All Compliance Methods
 - Add a new *exception* to Section 302.5 – New and replacement materials.

Part 11 – 2019 California Green Building Standards Code (CALGreen)

- **BSC-CG** proposed changes to various chapters in Part 11 as follows:
 - Chapter 5, Division 5.1, Site Development
 - Amend the Designated Clean Air Vehicle (CAV) tables to increase the percentages for both mandatory and voluntary, and to provide an updated website link for Sacramento Area Bicycle Advocates relating to changing rooms.
 - Amend the Electric Vehicle (EV) infrastructure tables to increase the percentages for both mandatory and voluntary.
 - Amend Light Pollution Reduction to add clarity.
 - Chapter 5, Division 5.3 – Indoor Water Use
 - Relocate pre-rinse spray valves from voluntary into mandatory with additional amendments to reference Title 20.
 - Chapter 5, Division 5.5 – Pollutant Control
 - Update the volatile organic compound limits reference standard for carpet systems, carpet cushion and resilient flooring systems in the mandatory and voluntary code provisions.
 - Chapter 6, Referenced Organizations and Standards
 - Update Organizations and Standards to align with proposed amendments to mandatory and voluntary code sections regarding resilient flooring systems, brownfield redevelopment, solar reflectance for roofing products, and reduction of heat island effect for hardscapes.
 - Appendix Chapters A5.1 through A5.6
 - Amend mandatory and voluntary flow rate tables to align with existing showerhead flow rates codified in Chapter 5 and amend the reference to the 2019 California Plumbing Code to align with proposed code changes in the plumbing code.
 - Amend code language in Section A5.405 and to provide a web link to CalRecycle’s website for accessing resources regarding reused materials.
 - Add new code section in the voluntary appendix chapter for Bird Friendly Building Design.
 - Update the volatile organic compound limits reference standard for Thermal Insulation in the voluntary code provisions.
 - Amend Division A5.6, Voluntary Tiers and CALGreen Verification Guidelines checklist affected by proposed mandatory and voluntary updates as shown above.
- **HCD** amended CALGreen to include various changes to residential applications of CALGreen shown below:
 - Chapter 2, Definitions. New definition added:
 - Submeter
 - Chapter 4, Residential Mandatory Measures, Division 4.1
 - Section 4.106.4.1. A new exception added to new one- and two-family dwellings and townhouses with attached private garages. Same note added

- to Sections 4-106.4.2, 4-106.4.2.3, 4-106.4.2.4 as well as for new hotels and motels in Section 4-106.4.3.
- Chapter 4 – Residential Mandatory Measures, Division 4.3
 - Section 4.303.1.4.5 – Pre-rinse spray valves.
 - Section 4.303.2 – Submeters for multifamily buildings and dwelling units in mixed-use residential/commercial buildings..
- Chapter 4 – Residential Mandatory Measures, Division 4.4
 - Section 4.410.1 – Operation and maintenance manual. Added reference to CALFIRE’s residential defensible space requirements.
- Chapter 5 – Residential Mandatory Measures, Division 4.5
 - Section 4-504.3 – Carpet systems and associated changes to the Appendix chapters.

Enforcement Responsibility

The California Building Standards Code is the established minimum standard for the design and construction of buildings and structures in California. State law mandates that local government enforce Title 24 standards or approved local ordinances (see *Amendment by Local Ordinance* that follows).

Exceptions to local enforcement are building standards applicable to hospitals, state buildings, public schools and colleges that are subject to enforcement by state agencies. For detailed information regarding enforcement responsibilities for the various state proposing and adopting agencies that utilize the Building Standards Commission rulemaking process see Chapter 1, Division 1, commencing with Section 1.1, of the California Building Code, Part 2, Volume 1 of Title 24.

Reference Health & Safety Code (HSC) Sections 17950, 17958.7, 17960, 18938 and 18941.5

Amendment by Local Ordinance

Local ordinances that amend Title 24 building standards are subject to requirements of California law and must be enacted and filed for each edition of the California Building Standards Code. Ordinances generally must exercise more restrictive standards than the building standards approved/adopted by the commission. These amendments must be filed and accepted, as appropriate, with CBSC, the Department of Housing and Community Development or the State Historical Building Safety Board before they are enforceable at the local level.

The [Local Code Ordinance](#) page has a number of helpful resources including the 2019 edition of the *Guide for Local Amendments of Building Standards* and the updated *California Code Adoption for Local Jurisdictions* webinar.

Availability of the 2019 California Building Standards Code Supplements

The California Building Standards Code supplements and errata are available from various publishers listed on the [CBSC Codes](https://dgs.ca.gov/BSC/Codes) webpage (dgs.ca.gov/BSC/Codes). The codes, supplements and errata are viewable at no cost through several [State Document Depository Libraries](#). All supplements resulting from the 2019 Intervening Code Adoption Cycle will all be available after January 1, 2021 to coincide with the publication of the supplements.

Reference Health & Safety Code (HSC) Sections 17950, 17958, 17958.5, 17958.7, 18938, 18941.5 and 18959

Sincerely,

A handwritten signature in black ink, appearing to read "Michael L. Nearman". The signature is fluid and cursive, written in a professional style.

Michael L. Nearman, Deputy Executive Director
Department of General Services, California Building Standards Commission