
2022 CA Title 24 Mechanical code PART- 4 (High Level list of Changes)

Taken from: 2022 Title 24 CA Code Changes 06-29-22.

Chapter 1 – Scope and Application

Building Standards Commission

104.4.3.1 Expiration

New section changed permit expiration from 180 days to 12 months. Includes a provision stipulating that every permit shall remain valid if the work on the site authorized by the permit is commenced within 12 months after its issuance. This amendment also allows for permit extensions; the exception being when the work authorized by the permit is determined to have been abandoned. The new code language reflects statutory requirements in Assembly Bill 2913 (Chapter 655, Statutes of 2018), which became operative January 1, 2019 and amended Health and Safety Code (HSC) Section 18938.5(b)(2)(B) and added HSC Section 18938.6 to Building Standards Law.

CBSC Information Bulletin 19-03 regarding permit expiration dates was issued May 23, 2019 to local building departments, state agencies and CBSC interested parties.

State Fire Marshal

1.11.4.4 Fire Clearance Preinspection and 1.11.4.5 Care Facilities

Updated to meet Health and Safety Code Section 13244 and to align with other parts of Title 24 regarding fee structures for Fire Clearance Pre-inspection and Care Facilities.

1.11.6 Certificate of Occupancy

Updated to correlate with the requirements for certificate of occupancy in the CBC.

California Energy Commission

Section 1.1.8 California Energy Code Requirements for Locally Adopted Energy Standards

Amendment clarifies that “local jurisdictions that adopt changes to energy conservation or insulation standards (including energy efficiency measures) may not enforce such changes until the California Energy Commission has made the findings required by Public Resources Code Section 25402.1(h)(2), following the process specified in Section 10-106 of the California Administrative Code.”

Chapter 2 – Definitions

Office of Statewide Health Planning and Development

228.0 Z

ZONE [OSHPD 1, 2, 3, 4 & 5]

New code section has been added. OSHPD has added the definition of Zone to OSHPD 1, 2, 3, 4 & 5 to specify the meaning of this term within Part 4 and reduce confusion.



Chapter 3 – General Regulations

Department of Housing and Community Development

311.2 Air Filters

Repealed amendment in the exceptions referencing the California Energy Code, since the California Energy Commission included this amendment in their rulemaking.

California Energy Commission

Section 311.5 California Energy Code Requirements for Residential Air Filtration

New code section added pointers specifying requirements for outdoor air delivery to occupied spaces where specified in California Energy Code Sections 150.0(m)12 and 160.2(b).

Chapter 4 – Ventilation Air

Building Standards Commission

402.1 Occupiable Spaces

Repealed amendment in the exceptions referencing the California Energy Code, since the California Energy Commission included this amendment in their rulemaking.

Department of Housing and Community Development

405.3 Bathroom Exhaust

Amendment providing a reference pointer to CALGreen (Part 11 of Title 24), Division 4.5, Environmental Quality.

Office of Statewide Health Planning and Development

407.5.1.3 Variable Air Volume

Amendment clarifies that spaces with pressure requirements per Table 4-A shall utilize an automatic modulating damper in the return or exhaust air for each space and that the damper will modulate from full open to minimum position in conjunction with the supply air VAV terminal equipment.

407.6 Economizers

New code section requires that systems with economizers shall include modulating relief and/or return fans to ensure compliance with the pressure requirements of spaces listed in Table 4-A.

420.0 Air Distribution Devices [OSHPD 1, 2, 3, 4 & 5]

New code section requires all air distribution devices and supply air outlets meet ASHRAE 170-2013, Section 6.7.2 and Table 6.7.2. This is consistent with other regulations that address prevention measures to abate disease-causing microorganisms within mechanical systems



Chapter 6 – Duct systems

Department of Housing and Community Development

601.2 Sizing Requirements

Repealed amendment in the exceptions referencing the California Energy Code, since the California Energy Commission included this amendment in their rulemaking

603.10.1.1 Duct Leakage Tests for Residential Buildings

Repealed amendment in the exceptions referencing the California Energy Code, since the California Energy Commission included this amendment in their rulemaking.
California Energy Commission

Section 601.2.1 California Energy Code Residential Return Duct Sizing Requirements

New code section applicable to new construction and alterations with pointers to California Energy Code Tables 150.0-B and 150.0-C to specify return duct sizing requirements for single return and multiple return duct systems, respectively.

603.9.2.1 Duct Leakage Tests for Buildings that Meet Air Distribution System Duct Leakage Sealing Criteria in Title 24, Part 6

New code section with pointers to the California Energy Code applicable to single-family and multifamily buildings, hotels/motels and nonresidential buildings.

Chapter 9 – Installation of Specific Appliances

Department of Housing and Community Development

911.2.2 In Manufactured Homes and 912.1.1 Prohibited Installations and Exception

HCD does not adopt model code sections 911.2.2 and 912.1.1 to avoid possible conflict and to properly align with CCR, Title 25, and HSC Section 18025 regarding references and standards incorporated by reference for construction of manufactured homes, including decorative gas appliances for installation in fireplaces. HCD has reserved these sections accordingly.

Chapter 11 – Refrigeration

State Fire Marshal

1104.6 Applications for Human Comfort and for Nonindustrial Occupancies

Exceptions 1 and 2 added to allow the use of A2L contained factory sealed air conditioning units.



Chapter 12 – Hydronics

Department of Housing and Community Development

1217.5.2 Insulation, 1217.7 Wall and Ceiling Panels and 1220.4.5 Insulation

HCD repealed amendments in the exceptions referencing the California Energy Code, since the California Energy Commission included this amendment in their rulemaking for insulation requirements for concrete radiant flooring heated slabs, pipe insulation, and concrete snow melt heated slab floors.

California Energy Commission

1217.7.1 California Energy Code Pipe Insulation Requirements

New code section to reference the California Energy Code Sections 150.0(j)2 and 120.3(c) for pipe insulation requirements based on fluid temperature and pipe diameter. Also, where California Energy Code Table 120.3-A specifies insulation greater than R-12, the higher value is required.

1220.4.5.1 California Energy Code Insulation Requirements for Heated Slab Floors

New code section to reference the California Energy Code Section 110.8(g) and Table 110.8-A for additional insulation requirements for heated slab floors. Also, a higher level of insulation is required for Climate Zone 16, and more detailed requirements for installing insulation are specified in all climate zones

