



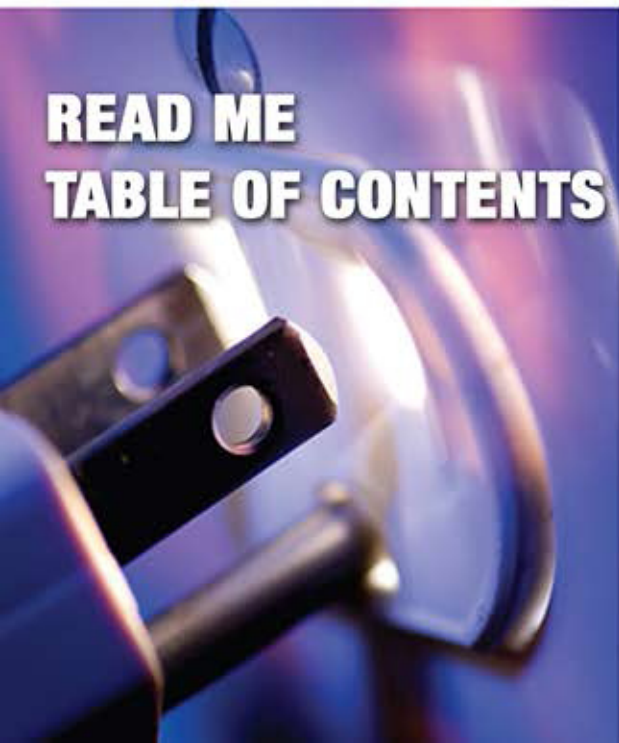
2016 CALIFORNIA MECHANICAL CODE

Entire Code *with* Errata Pages

CALIFORNIA CODE OF REGULATIONS
TITLE 24, PART 4

Based on the 2015 Uniform Mechanical Code®

California Building Standards Commission



**READ ME
TABLE OF CONTENTS**



Your purchase of this code includes a free subscription for all State issued supplements and errata. You must register online at www.iapmmembership.org/reg to keep your code up-to-date!



2016 California Mechanical Code

California Code of Regulations
Title 24, Part 4

California Building
Standards Commission

Based on 2015 Uniform Mechanical Code®



Effective January 1, 2017

For Errata and Supplement effective dates see the History Note Appendix

Copyright© to 2015 UMC© Held by

INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

4755 East Philadelphia Street
Ontario, California 91761-2816

First Printing, July 1, 2016
Printed in The United States

PREFACE

This document is Part 4 of thirteen parts of the official triennial compilation and publication of the adoptions, amendments and repeal of administrative regulations to *California Code of Regulations, Title 24*, also referred to as the *California Building Standards Code*. Part 4 is known as the California Mechanical Code and incorporates, by adoption, the 2015 edition of the *Uniform Mechanical Code* of the International Association of Plumbing and Mechanical Officials with the California amendments.

The *California Building Standards Code* is published in its entirety every three years by order of the California legislature, with supplements published in intervening years. The California legislature delegated authority to various state agencies, boards, commissions and departments to create building regulations to implement the State's statutes. These building regulations or standards, have the same force of law, and take effect 180 days after their publication unless otherwise stipulated. The *California Building Standards Code* applies to occupancies in the State of California as annotated.

A city, county, or city and county may establish more restrictive building standards reasonably necessary because of local climatic, geological or topographical conditions. Findings of the local condition(s) and the adopted local building standard(s) must be filed with the California Building Standards Commission to become effective and may not be effective sooner than the effective date of this edition of the *California Building Standards Code*. Local building standards that were adopted and applicable to previous editions of the *California Building Standards Code* do not apply to this edition without appropriate adoption and the required filing.

Should you find publication (e.g., typographical) errors or inconsistencies in this code or wish to offer comments toward improving its format, please address your comments to:

California Building Standards Commission
2525 Natomas Park Drive, Suite 130
Sacramento, CA 95833-2936
Phone: (916) 263-0916
Web Page: www.bsc.ca.gov
Email: cbsc@dgs.ca.gov

ACKNOWLEDGEMENTS

The 2016 *California Mechanical Code* (Code) was developed through the outstanding collaborative efforts of the Department of Housing and Community Development, Division of State Architect, Office of the State Fire Marshal, Office of Statewide Health Planning and Development, California Energy Commission, California Department of Public Health, California State Lands Commission, Board of State and Community Corrections, and the California Building Standards Commission (Commission).

This collaborative effort included the assistance of the Commission's Code Advisory Committees and many other volunteers who worked tirelessly to assist the Commission in the production of this Code.

Governor Edmund G. Brown Jr.

Members of the Building Standards Commission
Secretary Marybel Batjer – Chair
Steven Winkel – Vice-Chair

Raj Patel

Elley Klausbruckner

Larry Booth

James Barthman

Peter Santillan

D. Malcolm Carson

Cheryl Roberts

Erick Mikiten

Kent Sasaki

Jim McGowan – Executive Director

Michael L. Nearman – Deputy Executive Director

For questions on California state agency amendments, please refer to the contact list on page iv.

California Code of Regulations Title 24
California Agency Information Contact List

Board of State and Community Corrections

www.bscc.ca.gov.....(916) 445-5073
Local Adult Jail Standards
Local Juvenile Facility Standards

California Building Standards Commission

www.bsc.ca.gov.....(916) 263-0916

California Energy Commission

www.energy.ca.gov.....**Energy Hotline** (800) 772-3300
Building Efficiency Standards
Appliance Efficiency Standards
Compliance Manual Forms

California State Lands Commission

www.slc.ca.gov.....(562) 499-6312
Marine Oil Terminals

California State Library

www.library.ca.gov.....(916) 653-5217

Department of Consumer Affairs:

Acupuncture Board

www.acupuncture.ca.gov.....(916) 515-5200
Office Standards

Board of Pharmacy

www.pharmacy.ca.gov.....(916) 574-7900
Pharmacy Standards

Bureau of Barbering and Cosmetology

www.barbercosmo.ca.gov.....(800) 952-5210
Barber and Beauty Shop,
and College Standards

**Bureau of Electronic and Appliance Repair,
Home Furnishings and Thermal Insulation**

www.bearhfti.ca.gov.....(916) 999-2041
Insulation Testing Standards

Structural Pest Control Board

www.pestboard.ca.gov.....(800) 737-8188
Structural Standards

Veterinary Medical Board

www.vmb.ca.gov.....(916) 515-5220
Veterinary Hospital Standards

Department of Food and Agriculture

www.cdffa.ca.gov
Meat & Poultry Packing Plant Standards
Rendering & Collection Centers (916) 900-5004
Dairy Standards (916) 900-5008

Department of Housing and Community Development

www.hcd.ca.gov.....(916) 445-9471
Residential - Hotels, Motels, Apartments,
Single-Family Dwellings; and
Permanent Structures in Mobilehome &
Special Occupancy Parks

(916) 445-3338
Factory-Built Housing, Manufactured Housing &
Commercial Modular

Mobilehome - Permits & Inspections
Northern Region - (916) 255-2501
Southern Region - (951) 782-4420

(916) 445-9471
Employee Housing Standards

Department of Public Health

www.dph.ca.gov.....(916) 449-5661
Organized Camps Standards
Public Swimming Pools Standards

Division of the State Architect

www.dgs.ca.gov/dsa.....(916) 445-8100

**Access Compliance
Fire and Life Safety
Structural Safety**

Public Schools Standards
Essential Services Building Standards
Community College Standards

State Historical Building Safety Board

Alternative Building Standards

Office of Statewide Health Planning and Development

www.oshpd.ca.gov.....(916) 440-8356
Hospital Standards
Skilled Nursing Facility Standards &
Clinic Standards
Permits

Office of the State Fire Marshal

osfm.fire.ca.gov.....(916) 445-8200
Code Development and Analysis
Fire Safety Standards

How to Distinguish Between Model Code Language and California Amendments

To distinguish between model code language and the incorporated California amendments, including exclusive California standards, California amendments will appear in italic font print.

[BSC] This is an example of a state agency acronym used to identify an adoption or amendment by the agency. The acronyms will appear at California Amendments and in the Matrix Adoption Tables. Sections 1.2.0 through 1.14.0 in Chapter 1, Division 1 of this code, explain the used acronyms, the application of state agency adoptions to building occupancies or building features, the enforcement agency as designated by state law (may be the state adopting agency or local building or fire official), the authority in state law for the state agency to make the adoption, and the specific state law being implemented by the agency's adoption. The following acronyms are used in Title 24 to identify the state adopting agency making an adoption.

Legend of Acronyms of Adopting State Agencies

BSC	California Building Standards Commission (see Section 1.2.0)
BSC-CG	California Building Standards Commission-CALGreen (see Section 1.2.3)
BSCC	Board of State and Community Corrections (see Section 1.3.0)
SFM	Office of the State Fire Marshal (see Section 1.11.0)
HCD	1 Department of Housing and Community Development (see Section 1.8.2.1.1)
HCD	2 Department of Housing and Community Development (see Section 1.8.2.1.3)
HCD	1/AC Department of Housing and Community Development (see Section 1.8.2.1.2)
DSA-AC	Division of the State Architect-Access Compliance (see Section 1.9.1)
DSA-SS	Division of the State Architect-Structural Safety (see Section 1.9.2)
DSA-SS/CC	Division of the State Architect-Structural Safety/Community Colleges (see Section 1.9.2.4)
OSHPD 1	Office of Statewide Health Planning and Development (see Section 1.10.1)
OSHPD 2	Office of Statewide Health Planning and Development (see Section 1.10.2)
OSHPD 3	Office of Statewide Health Planning and Development (see Section 1.10.3)
OSHPD 4	Office of Statewide Health Planning and Development (see Section 1.10.4)
DPH	Department of Public Health (see Section 1.7.0)
AGR	Department of Food and Agriculture (see Section 1.6.0)
CEC	California Energy Commission (see Section 100 in Part 2, the California Energy Code)
CA	Department of Consumer Affairs (see Section 1.6.0): Board of Barbering and Cosmetology Board of Examiners in Veterinary Medicine Board of Pharmacy Acupuncture Board Bureau of Home Furnishings Structural Pest Control Board
SL	State Library (see Section 1.12.0)
SLC	State Lands Commission (see Section 1.14.0)
DWR	Department of Water Resources (see Section 1.12.0 of Chapter 1 of the California Plumbing Code in Part 2 of Title 24)

The state agencies are available to answer questions about their adoptions. Contact information is provided on page iv of this code. To learn more about the use of this code refer to the following pages. Training materials on the application and use of this code are available at the website of the California Building Standards Commission www.bsc.ca.gov.