



# CURRENT BUILDING CODES & Design Criteria

BUILDING SERVICES



*The California Building Standards Commission updates construction codes on a three-year cycle. Each jurisdiction within the State is mandated to adopt and enforce these codes as they become effective.*

## Current Building Codes

Effective Date: January 1, 2020

- 2019 California Administrative Code (CAC)
- 2019 California Building Code (CBC)
- 2019 California Residential Code (CRC)
- 2019 California Electrical Code (CEC)
- 2019 California Mechanical Code (CMC)
- 2019 California Plumbing Code (CPC)
- 2019 California Energy Code (CEC)
- 2019 California Fire Code (CFC)
- 2019 California Green Building Standards Code (CAL Green)

## Links to the actual codes:

- [Outside link to the California Building Codes](#)
- [Outside link to Errata to California Building Codes](#)

## Link to specific code related materials:

- [2019 Building Energy Efficiency Standards and Forms](#)

## Lateral Design Criteria:

- Wind Exposure: C, unless site complies with definition for Exposure B
- Wind Loads: As determined by CBC Section 1609 and Chapters 26-30 of ASCE 7-16
- Seismic Design Category (SDC): As determined by CBC Section 1613.2.5
- Seismic Parameters and Load: As determined by CBC Section 1613 and Chapter 12 of ASCE 7-16

## Soil Properties:

- Geotechnical Report required for Nonresidential and Multifamily Projects.
- For all other projects, the following soil values per CBC listed below shall be used unless higher values are justified by a Geotechnical Report:
 

○ Soil Site Class	D	CBC Section 1613.2.2
○ Bearing Pressure	1500 psf	CBC Section 1806
○ Lateral Bearing Pressure	100 psf	CBC Section 1806
○ Coefficient of Friction	0.25	CBC Section 1806
○ Allowable Shaft Resistance	250 psf	CBC Section 1810.3.3.1.4
○ Lateral Soil Load, Active Pressure	60 psf	CBC Section 1610
○ Lateral Soil Load, At-Rest Pressure	100 psf	CBC Section 1610

## Energy Design Criteria:

- Climate Zone 12