



Development Services Department  
Building Inspection  
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## Building Safety Design Criteria

**CODES:** 2025 California Building Standards Code (California Code of Regulations, Title 24):

- California Building Code (CBC), Part 2, Volumes 1 and 2 (*ASCE 7-22*)
- California Residential Code (CRC), Part 2.5, including Appendix BF, Patio Covers
- California Electrical Code of the California Code (CEC), Part 3
- California Mechanical Code (CMC), Part 4.
- California Plumbing Code (CPC), Part 5, Including Appendix A and Appendix M.
- California Energy Code (CEC), Part 6.
- California Historical Building Code (CHBC). Part 8.
- California Fire Code (CFC), Part 9, including Appendices B, BB, C, CC, D, as well as the 2024 International Fire Code, *with City of Roseville Amendments (RFC)*.
- California Existing Building Code (CEBC), Part 10.
- California Green Building Standards Code (CGBSC), Part 11.

**SNOW LOADS:** Ground Snow Load – Roof live load governs\*.  
*(\*Site ground snow load = 8 psf; per ASCE 7 snow criteria, loads for  $p_g < 10$  psf do not control design. Roof members designed for CBC minimum roof live loads; snow load checked and found non-governing.)*

**WIND:** CBC Basic Wind Speeds: 88 mph for Risk Category I; 94 mph for Risk Category II; 100 mph for Risk Category III; and 105 mph for Risk Category IV.

CRC ultimate wind speed = 95 mph

Exposure Category – C, unless site complies with exposure B

**RAIN LOADS:** 1 ½" per hour (100-year, 1-Hour Rainfall)

**SEISMIC:** Unless otherwise justified by analysis, all buildings and non-building structures within the City limits are assigned to Seismic Design Category (SDC) D, except as follows:

- a. SDC D<sub>0</sub> is allowed for residential buildings permitted and constructed under the CRC.
- b. Soil Site Classes C, CD, and D shall be used to determine the most critical spectral accelerations per ASCE 11.4.2.1 unless otherwise justified by a registered design professional and/or geotechnical report.

**SOIL BEARING PRESSURE:** Allowable Foundation - 1500 psf without a Soils Report  
Allowable Lateral – 100 psf/ft without a Soils Report

It is the designer responsibility to determine if expansive soil is present. If present, a soils report is necessary per CBC Section 1803 and CRC Section R401.4.

**CLIMATE ZONE:** Zone 11

**SANITARY FACILITIES:** 2025 CPC Chapter 4, Table 422.1, Table 4-1, Table 4-2, Table 4-3 & Table 4-4.