



Development Services Department  
Building Inspection  
311 Vernon Street  
Roseville, California 95678-2649  
(916) 774-5332 • Fax (916) 774-5394

## Building Safety Design Criteria

**CODES:** 2022 California Building Standards Code (California Code of Regulations, Title 24):

- California Building Code (CBC), Part 2, Volumes 1 and 2
- California Residential Code (CRC), Part 2.5, including Appendix AH, Patio Covers
- California Electrical Code of the California Code (CEC), Part 3, *with City of Roseville amendments*.
- 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, *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 - Zero

**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 C is allowed for residential buildings permitted and constructed under the CRC.
- b. SDC C is allowed for low-rise, wood-framed buildings permitted and constructed in accordance with the prescriptive (non-engineered) Conventional Light-Framed Construction provisions of CBC 2308.

Soil Site Class D shall be assumed for all sites per CBC 1613.2.2 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:** 2022 CPC Chapter 4, Table 422.1, Table 4-1, Table 4-2, Table 4-3 & Table 4-4.