



BUILDING DESIGN CRITERIA

Updated: April 12, 2020

The design criteria for building projects within the city limits are provided as general guidelines. They are not intended to be used in place of specific information supplied by a licensed design professional or geotechnical engineer.

The City is located on an active portion of the Rodgers Creek fault, approximately 4.5 miles from the Maacama Fault, 19 miles from the San Andreas Fault. Because of the proximity to local and nearby fault zones and the potential for strong ground shaking, projects should be designed and constructed to the most current code standards.

2019 CALIFORNIA BUILDING CODE

Earthquake/ Soils Design:	<ul style="list-style-type: none"> • Use Seismic Design Category: Typically D. Design professional shall verify for individual site. (2019 CBC Sec. 1613) • Occupancy Category II for residential buildings. • Use Site Class Soil D if no soils report provided. (2019 CBC 1613.3.2) • Use a Soils Load Bearing Value of 1500psf if no soils report provided. (2019 CBC Sec.1806.2)
Wind Design	The minimum Basic Wind Speed at any location is 110 miles per hour. The wind design may comply with Exposure B requirements. (2019 CBC Sec.1609.4.3)
Conventional Construction	Structures of conventional light-frame construction are limited to a single story in SDC D or E (2019 CBC 2308.2.1.)

2019 CALIFORNIA RESIDENTIAL CODE

The provisions of the 2019 California Residential Code are limited to detached one- and two-family dwellings and townhouses not more than three stories above grade plane in height with a separate means of egress and their accessory structures. Wood framed structures greater than two stories and basement in height are required to be approved and stamped by a California licensed architect or engineer.

Table R301.2(1) Climatic and Geographic Design Criteria

Criteria	Value
Ground Snow Load	Zero
Wind Design Speed	110 mph topographic Exposure B
Seismic Design Category	D ₂
Subject to Damage From Weathering	Negligible
Frost Line Depth	12 inches
Termite	Very High
Winter Design Temperature	32 degrees