



DEVELOPMENT SERVICES
DEPARTMENT

City of REDLANDS

Incorporated 1888
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BRIAN DESATNIK
Development Services Director

Structure Design Criteria

Seismic Design Category (SDC) (2022 CRC R301.2.2.1.1; 2022 CBC 1613.2.5)	D (Commercial Buildings with $S_1 \leq .75$ & Residential w/ $S_{Ds} \leq 1.25$) E (Commercial Buildings with $S_1 \geq .75$ & Residential w/ $S_{Ds} > 1.25$) https://www.usgs.gov/natural-hazards/earthquake-hazards/design-ground-motions
Wind Speed https://hazards.atcouncil.org/	Risk Category = I II III IV V(mph) = 90 96 103 107
Wind Exposure	2022 CRC R301.2.1.4 2022 CBC 1609.4.3
Soil Bearing Capacity	1,500 psf (2022 CBC Table 1806.2) or per soils report
Soil Lateral Bearing Capacity	100 psf/ft (2022 CBC Table 1806.2) or per soils report
Climate Zone	10
Rainfall	1.5" per hour (2022 CBC Fig. 1611.1(1)) or per hydrology report