



City of Redlands

Building & Safety Division

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<http://cityofredlands.org/>

| Structure Design Criteria | |
|--|---|
| Seismic Design Category (SDC) (2016 CRC R301.2.2.1.1; 2016 CBC 1613.3.5) | D (Residential w/ $S_{DS} \leq 1.25$) E (Commercial Buildings with $S_1 \geq .75$ & Residential w/ $S_{DS} > 1.25$) https://earthquake.usgs.gov/hazards/designmaps/usdesign.php |
| Basic Wind Speed | Risk Category = I II III V_{ult} (mph) = 100 110 115 |
| Wind Exposure | C |
| Soil Bearing Capacity | 1,500 psf (2016 CBC Table 1806.2) or per soils report |
| Soil Lateral Bearing Capacity | 100 psf/ft (2016 CBC Table 1806.2) or per soils report |
| Climate Zone | 10 |
| Rainfall | 1.5" per hour (2016 CBC Fig. 1611.1) or per hydrology report |