



# Building Codes and Design Criteria

DEPARTMENT OF PLANNING AND BUILDING SERVICES

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www.co.lassen.ca.us

Effective January 1, 2020 The California Building Standards Commission adopted the enforcement of the 2019 California Building Standards Code, Title 24 of the California Code of Regulations.

### Building Design Criteria:

Lassen County enforces the following codes:

- 2019 California Building Code (CBC)
- 2019 California Residential Code (CRC)
- 2019 California Green Building Standards Code (CGBSC)
- 2019 California Mechanical Code (CMC)
- 2019 California Electrical Code (CEC)
- 2019 California Plumbing Code (CPC)
- 2019 California Energy Code
- 2019 California Existing Building Code
- 2019 California Historical Building Code

Lassen County Code is available at:

<http://www.qcode.us/codes/lassencounty/>

### Snow Load Requirements:

Please call or email our office for ROOF\* snow load requirements. (530) 251-8269  
landuse@co.lassen.ca.us  
Please provide the Assessor's Parcel Number or address.

\* This Department only provides roof snow load and does not provide the ground snow load. Roof snow loads can be converted to ground snow loads in accordance with ASCE 7-16 Chapter 7. On a flat roof, roof snow load may be converted to ground snow load by dividing the roof snow load by 0.7. Conversely, ground snow load may be converted to roof snow load by multiplying the ground snow load by 0.7 (again see ASCE 7-16 for specific information).

In accordance with CBC Section 2308.2.3, conventional light frame construction is prohibited in all areas of Lassen County with a roof snow load of more than 35 lbs/sqft, and CRC section R301.2.3 requires engineering when roof snow load (flat roof) is more than 49 lbs/sqft.

### Structural Design Criteria:

#### Commercial

Wind Speed: 75 mph, ASD (3 second gust)  
96 mph, Ultimate

Wind Exposure Category: C (unless B can be justified by a recognized engineering study)

Seismic Category: D

Allowable Design Soil Bearing Pressure:  
**1,500 psf (unless justified by a geotechnical investigation report)**

#### **Footing Depth:**

Minimum 18" below finished grade.

#### Residential

Wind Speed: 85 mph, ASD (3 second gust)  
110 mph, Ultimate

Wind Exposure Category: C (unless B can be justified by a recognized engineering study)

Seismic Category: D

Allowable Design Soil Bearing Pressure:  
**1,500 psf (unless justified by a geotechnical investigation report)**

#### **Footing Depth:**

Minimum 18" below finished grade.

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Ice barrier underlayment protection (Ice Dam Protection) is required in all areas of Lassen County. See CRC Table R301.2 (1), CRC Section R905.1.2 and CBC Section 1507.1.2. Ice dam protection is not required for metal roofs or unconditioned spaces (e.g. garages, and shops).

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