



# 2022 Building Codes and Design Criteria

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Effective January 1, 2023, The California Building Standards Commission adopted the enforcement of the 2022 California Building Standards Code, Title 24 of the California Code of Regulations.

## Building Design Criteria:

Lassen County enforces the following codes:

- 2022 California Building Code (CBC)
- 2022 California Residential Code (CRC)
- 2022 California Green Building Standards Code (CGBSC)
- 2022 California Mechanical Code (CMC)
- 2022 California Electrical Code (CEC)
- 2022 California Plumbing Code (CPC)
- 2022 California Energy Code
- 2022 California Existing Building Code
- 2022 California Historical Building Code

## Lassen County Code is available at:

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

## Chapter 12.19 Snow Load Design Standards:

[https://library.qcode.us/lib/lassen\\_county\\_ca/pub/county\\_code/item/title\\_12-article\\_i-chapter\\_12\\_19](https://library.qcode.us/lib/lassen_county_ca/pub/county_code/item/title_12-article_i-chapter_12_19)

## Chapter 12.19.020 Minimum Structural Engineering Requirements (Conventional Light Frame Construction Prohibited/Roof Snow Load Requirements):

[https://library.qcode.us/lib/lassen\\_county\\_ca/pub/county\\_code/item/title\\_12-article\\_i-chapter\\_12\\_19?view=all#title\\_12-article\\_i-chapter\\_12\\_19-12\\_19\\_020](https://library.qcode.us/lib/lassen_county_ca/pub/county_code/item/title_12-article_i-chapter_12_19?view=all#title_12-article_i-chapter_12_19-12_19_020)

## Interactive Snow Load Zone Lookup Map:

<https://www.lassencounty.org/dept/planning-and-building-services/snow-load-roof-requirement>

## Ice Barrier (Ice Dam Protection):

Ice barrier underlayment protection (Ice Dam Protection) is required according to 2022 California Residential Code Section 905.1.2 and 2022 California Building Code Section 1507.1.2.

<https://codes.iccsafe.org/s/CABC2022P1/chapter-15-roof-assemblies-and-rooftop-structures/CABC2022P1-Ch15-Sec1507.1.2#:~:text=1507.1.-.2Ice%20barriers.,wood%20shingles%2C%20and%20wood%20shakes>

## 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: 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.