



## 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:

<https://ecode360.com/LA4955>

### Chapter 12.19 Snow Load Design Standards:

<https://ecode360.com/43553873>

### Chapter 12.19.020 Minimum Structural Engineering Requirements

(Conventional Light Frame Construction Prohibited/Roof Snow Load Requirements):

<https://ecode360.com/43553873>

### 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/CRC2019P1/part-iii-building-planning-and-construction/CRC2019P1-Pt03-Ch09-SecR905>

### 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).