



BUILDING AND STRUCTURAL DESIGN CRITERIA

**City of Lathrop
Building Department**

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THIS POLICY ESTABLISHES MINIMUM DESIGN GUIDELINES TO SAFEGUARD LIFE OR LIMB, HEALTH, PROPERTY, AND PUBLIC WELFARE PARTICULAR TO THE CITY OF LATHROP. THE DESIGN CRITERIA ESTABLISHED IN THIS POLICY SHALL BE USED AS THE BASIS FOR BUILDING AND STRUCTURAL DESIGN OF STRUCTURES PROPOSED IN THIS JURISDICTION.

Effective January 1, 2025, the California Building Standards Commission (CBSC) adopted the 2025 California Code of Regulations, Title 24. Minimum Design Loads have also been updated, with the 2022 edition of ASCE 7 becoming the referenced Standard in the 2025 Codes. The City of Lathrop's Municipal Code: *Title 15 Buildings and Construction* shall enforce the following model codes and design criteria:

BUILDING MODEL CODES ADOPTED BY THE CITY OF LATHROP:

- ❖ 2025 California Administrative Code, Title 24, Part 1
- ❖ 2025 California Building Code (CBC), Title 24, Part 2
- ❖ 2025 California Residential Code (CRC), Title 24, Part 2.5
- ❖ 2025 California Electrical Code, Title 24, Part 3
- ❖ 2025 California Mechanical Code (CMC), Title 24, Part 4
- ❖ 2025 California Plumbing Code (CPC), Title 24, Part 5
- ❖ 2025 California Energy Code, Title 24, Part 6
- ❖ 2025 California Historical Building Code, Title 24, Part 8
- ❖ 2025 California Fire Code (CFC), Title 24, Part 9
- ❖ 2025 California Existing Building Code (CEBC), Title 24, Part 10
- ❖ 2025 California Green Building Standards Code (CALGreen), Title 24, Part 11
- ❖ 2025 California Referenced Standards Code (CRSC), Title 24, Part 12

Please note that although 2025 California Wildland-Urban Interface Code (WUIC), Title 24, Part 7 is now adopted by the State of California, the City of Lathrop is not within the boundaries of designated Wildland Urban Interface (WUI) areas.

STRUCTURAL DESIGN CRITERIA REQUIREMENTS:

- ❖ Risk Category: Category II
- ❖ Wind Speed: $V_{ult} = 93\text{mph (Ultimate)}$ [2025 CBC Section 1609.3, Figures 1609.3(1)-(4)]
- ❖ Wind Exposure Category: C [2025 CBC Section 1609.4]
 - Residential Only: Category B may be justified by a recognized Engineering Study, or for Master Plan Housing Development
- ❖ Seismic Category: D [2025 CBC Section 1613.2 and Figure 1613.2(1)]
- ❖ Flood Zone Designation: X
 - As determined by FEMA and shown on Flood Insurance Rate Maps (FIRMs): Area with Reduced Flood Risk due to Levee
- ❖ Foundation Design Soil Bearing Pressure Value: 1500 psf [2025 CBC Table 1806.2]
 - Unless justified otherwise by a Geotechnical Investigation Report
 - Note: Geotechnical Investigation Reports are required for ALL New Commercial, Residential and Master Plan Development
 - Exception: Accessory Residential Structures
- ❖ Climate Zone: 12 [2025 California Energy Code Figure 100.1-A]