Purpose:

This Policy is to establish 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.

Adoption:

Effective January 1, 2022, the California Building Standards Commission adopted the 2022 California Code of Regulations Title 24. The City of Lathrop's Municipal Code: *Title 15 Buildings & Construction* shall enforce the following model codes:

Building Design Criteria:

Commercial Projects:

   ❖ 2022 California Building Code (CBC)

Residential Projects:

   ❖ 2022 California Residential Code (CRC) for Non-Structural Code Compliance
   ❖ 2022 California Building Code (CBC) for Empirical Structural Design

Commercial & Residential Projects:

   ❖ 2022 California Mechanical Code (CMC)
   ❖ 2022 California Electrical Code (CEC)
   ❖ 2022 California Plumbing Code (CPC)
   ❖ 2022 California Energy Code
   ❖ 2022 California Green Building Standards
   ❖ 2022 California Fire Code

Structural Design Criteria:

Wind Speed: *V_{ult} = 95 mph (Ultimate)*

(For risk category II buildings: figure 1609.3(1)) 2022 CBC, Section 1609.3, or [ASCE 7-22 Chapters 26 through 30]

Wind Exposure Category:

[2022 CBC, Section 1609.4]

Commercial: **C**

Residential: **C** (Unless **B** can be justified by a recognized Engineering Study and for Master Plan Housing Developments only)

Seismic Category: **D**

[2022 CBC, Section 1613.2.5 & Tables 1613.2.5(1) & 1613.2.5(2)]

Foundation: **Allowable Design Soil Bearing Pressure = 1500 psf**

(Unless justified by a Geotechnical Investigation Report) [2022 CBC 1806, Table 1806.2]

Note: Geotechnical Investigation Report is required for all New Commercial/Residential and Master Plan Building Projects. (Except for Accessory Residential Structures)

Energy Design Criteria:

Climate Zone: **12**