

# Building and Structural Design Criteria

## Adoption

Effective January 1, 2023, the California Building Standards Commission adopted the enforcement of the 2022 California Building Code, Title 24 of the California Code of Regulations. The City of Patterson enforces the following design criteria:

## Building and Model Codes

- 2022 California Building Code (CBC)  
Model Code: 2021 International Building Code
- 2022 California Residential Code (CRC)  
Model Code: 2021 International Residential Code
- 2022 California Fire Code (CFC)  
Model Code: 2021 International Fire Code
- 2022 California Plumbing Code (CPC)  
Model Code: 2021 Uniform Plumbing Code
- 2022 California Mechanical Code (CMC)  
Model Code: 2021 Uniform Mechanical Code
- 2022 California Electrical Code (CEC)  
Model Code: 2020 National Electrical Code (NEC)
- 2022 California Energy Code  
Based on the 2022 CA Energy Standards
- 2022 California Green Code 'CalGREEN'

## Structural Design Criteria

Wind Speed: **90 MPH (3 second gust)**  
*(2022 CBC 1609.3, Table 1609.3.1)*

Wind Exposure Category: **C**  
*(2022 CBC 1609.4) (unless justified by an engineer's investigation report)*

Seismic Design Category SDC: **Do**  
*(2022 CBC 1613)*

Foundation: Allowable Design Soil Bearing Pressure = **1500 psf**  
*(unless justified by a geotechnical investigation report)*

Ground Snow Load: None

## Energy Design Criteria

Climate Zone: **12**