

Building and Model Codes & Structural Design Criteria

Policy and Procedure No.: **B-04-12**

August 2004 (Rev November 2010)

Purpose:

The purpose of this policy is to establish minimum design guidelines to safeguard life or limb, health, property, and public welfare particular to the City of Elk Grove. 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, 2011, the California Building Standards Commission adopted the enforcement of the 2010 California Building Code and 2010 California Residential Code, Title 24 of the California Code of Regulations.

Building Design Criteria

The City of Elk Grove Building Code Ordinance enforces the following model codes:

Commercial Projects:

- 2010 California Building Code (CBC)

Residential Projects:

- 2010 California Residential Code (CRC)

Commercial & Residential Projects:

- 2010 California Mechanical Code (CMC)
- 2010 California Electrical Code (CEC)
- 2010 California Plumbing Code (CPC)
- 2010 California Energy Code
- 2010 California Green Building Standards

Structural Design Criteria:

Wind Speed: **85 mph (3 second gust)**
(2010 CBC, Section 1609.3, Table 1609.3.1)

Wind Exposure Category
(2010 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**
(2010 CBC, Section 1613.5.6, Tables 1613.5.6 (1) & (2))

Foundation: ***Allowable Design Soil Bearing Pressure = 1500 psf*** (unless justified by a geotechnical investigation report)
(2010 CBC 1806, Table 1806.2)

Note: *Geotechnical Investigation Report is required for all New Commercial and Master Plan Projects*

Energy Design Criteria:

Climate Zone: **12**

(References: City of Elk Grove Building Ordinance §16.04, §16.24, §16.28, §16.32)