



Building and Model Codes & Structural Design Criteria

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

August 2004 (Rev. Nov. 2009)

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, 2008, the California Building Standards Commission adopted the enforcement of the 2007 California Building 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:

- 2007 California Building Code (CBC)
- 2007 California Mechanical Code (CMC)
- 2007 California Electrical Code (CEC)
- 2007 California Plumbing Code (CPC)
- 2007 California Energy Code

Structural Design Criteria:

Wind Speed: **85 mph (3 second gust)**
(2007 CBC 1609.3, Table 1609.3.1)

Wind Exposure Category
(2007 CBC 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**
(2007 CBC 1613.5.6, Table 1613.5.6 (1) & (2))

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

Energy Design Criteria:

Climate Zone: **12**

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