

# Design Criteria

## Current California Code of Regulations Title 24

- 1997 Uniform Housing Code
- 1997 Uniform Code for the Abatement of Dangerous Building

## Seismic Design

See CBC Section 1613 and ASCE 7-05 Chapter 11. Use Google, [Batch Geocode](#) (or other source) to determine site specific longitude and latitude. Use [USGS website](#) or NEHRP disk to determine  $S_1$  and  $S_s$ .

## Wind Design

Basic Wind Speed (fastest mile) 80 miles per hour. Basic Wind Speed (3-second gust) 95 miles per hour. Importance factor, exposure and topographic features are site and project specific. See ASCE 7-05, Chapter 6.

## Soil and Foundation

Foundation and soils investigation and reports are normally required CBC 1802(2).

## Frost Depth

Minimum 12" below finished grade.

## Snow Loads

The following Snow Loads are for City Limits of Mt. Shasta: Ground Snow 86#psf; Residential Live Roof Load 60#psf; Commercial Live Roof Load 70#psf.

## Climate Zone

Climate Zone 16.