



**Building Permits & Inspection Division**

General Information: (916) 875-5296  
[www.building.saccounty.net](http://www.building.saccounty.net)

<b>Full Service Center</b> 827 7th Street, Room 102 Sacramento, CA 95814 <i>M-F 8:30am - 4:30pm</i>	<b>East Area Service Center</b> 5229 Hazel Avenue, Suite B Fair Oaks, CA 95628 <i>M-Tu. 9:00am - 4:00pm</i>
<b>Bradshaw Center</b> 9700 Goethe Road, Suite A Sacramento, CA 95827 <i>M-F 8:30am - 4:30pm</i>	<b>North Area Service Center</b> 3331 Peacekeeper Wy., Suite 100 McClellan, CA 95652 <i>W-Th. 9:00am - 4:00pm</i>

## 2016 Sacramento County Building Design Criteria

Structural design for the jurisdiction of Sacramento County is based on the currently adopted California Building Code (CBC). **Refer to the currently adopted California Residential Code (CRC) for requirements when using conventional construction for detached one and two family dwellings or townhouses.**

**REFERENCED STRUCTURAL STANDARDS:**

Standards that are referenced in numerous sections of the CBC are listed in Volume II of the CBC. The most commonly used references are: ASCE/SEI 7 Standards (Minimum Design Loads for Buildings and Other Structures) NOTE: See the CBC Referenced Standards for inclusions and exclusions to the ASCE/SEI 7 Standards; ACI 318 (Concrete); AF & PA NDS (Wood); AISC 341 and the Steel Construction Manual (Steel); and ACI 530 /ASCE 5 /TMS 402 (Masonry).

**SNOW LOADS:**

Snow loads are not required in the design of structures in the County of Sacramento.

**WIND REQUIREMENTS:**

Wind design is based on the requirements set forth in the ASCE/SEI 7 Standards and the CBC. The basic ultimate design wind speeds are based on Risk Categories I, II, III and IV, and are as follows: Risk Category I, 100mph; Risk Category II, 110mph; Risk Category III & IV, 115mph (All are nominal design 3 second gust wind speeds).

**SEISMIC REQUIREMENTS:**

Earthquake loads are based on the requirements set forth in the CBC, with design required to resist the effects of earthquake motions in accordance with the ASCE/SEI 7 Standards.

**GEOTECHNICAL INVESTIGATIONS:**

Geotechnical investigations shall be conducted and reported in accordance with the CBC. In areas likely to have expansive soil, such as in the Rancho Murieta area (See Thomas Guide maps 322, 341 & 342), the building official may require a soils test to determine where such soils do exist. See the CBC and the CRC for these specific requirements. See document ST-12 more information.

**Exception:** If not part of a preliminary soils report mandated by the California Subdivision Map Act, Government Code Section 66490-66491, geotechnical reports will not be required for one-story, wood-frame and light steel-frame buildings of Type V construction that are 4000 square feet or less in floor area, provided the strength or compressibility of the soil are not in doubt, expansive soils are not likely and allowable foundation and lateral soil pressure values used in design do not exceed those given in the CBC (Presumptive Load-Bearing Values) for a Class 5 material.