

1. Detached one- and two-family dwellings, assigned to *Seismic Design Category A*, B or C, or located where the mapped short-period spectral response acceleration,  $S_s$ , is less than 0.4 g.
2. The seismic-force-resisting system of wood-frame buildings that conform to the provisions of Section 2308 are not required to be analyzed as specified in this section.
3. Agricultural storage structures intended only for incidental human occupancy.
4. Structures that require special consideration of their response characteristics and environment that are not addressed by this code or ASCE 7 and for which other regulations provide seismic criteria, such as vehicular bridges, electrical transmission towers, hydraulic structures, buried utility lines and their appurtenances and nuclear reactors.

**1613.2 Definitions.** The following words and terms shall, for the purposes of this section, have the meanings shown herein.

**DESIGN EARTHQUAKE GROUND MOTION.** The earthquake ground motion that buildings and structures are specifically proportioned to resist in Section 1613.

**MAXIMUM CONSIDERED EARTHQUAKE GROUND MOTION.** The most severe earthquake effects considered by this code.

**MECHANICAL SYSTEMS.** For the purposes of determining seismic loads in ASCE 7, mechanical systems shall include plumbing systems as specified therein.

**ORTHOGONAL.** To be in two horizontal directions, at 90 degrees (1.57 rad) to each other.

**SEISMIC DESIGN CATEGORY.** A classification assigned to a structure based on its *occupancy category* and the severity of the design earthquake ground motion at the site.

**SEISMIC-FORCE-RESISTING SYSTEM.** That part of the structural system that has been considered in the design to provide the required resistance to the prescribed seismic forces.

**SITE CLASS.** A classification assigned to a site based on the types of soils present and their engineering properties as defined in Section 1613.5.2.

**SITE COEFFICIENTS.** The values of  $F_a$  and  $F_v$  indicated in Tables 1613.5.3(1) and 1613.5.3(2), respectively.

**1613.3 Existing buildings.** *Additions, alterations*, repairs or change of occupancy of existing buildings shall be in accordance with Chapter 34.

**1613.4 Special inspections.** Where required by Sections 1705.3 through 1705.3.5, the statement of special inspections shall include the *special inspections* required by Section 1705.3.6.

**1613.5 Seismic ground motion values.** Seismic ground motion values shall be determined in accordance with this section.