

# COUNTY OF TEHAMA

## DEPARTMENT OF BUILDING & SAFETY

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## Securing Braced Wall Panels

Section 2320.11.3 of the California Building Code (CBC) referring to braced wall panels as a single unit, states, "Sills shall be bolted to the foundation or slab in accordance with section 1806.6."

Section 1806.6 of the CBC states, "Wood plates or sills shall be bolted to the foundation or foundation wall. Steel bolts with a nominal diameter of ½ inch (12.7 mm) shall be used in Seismic Zones 0-3. Bolts shall be embedded a minimum of 7 inches (178mm) into the concrete or masonry and shall be spaced not more than 6 feet (1829mm) apart. There shall be a minimum of two bolts per piece with one bolt not more than 12 inches (305mm) or less than seven bolt diameters from each end of the piece. A properly sized nut and washer shall be tightened on each bolt to the plate."

Section 104.2.8 CBC [for HCD1 & HCD2] States, "The provisions of this code are not intended to prevent the use of any material, alternate design or method of construction not specifically prescribed by this code, provided any alternate has been approved and its use authorized by the Building Official."

### Question;

What anchors can be used to secure the sill plate of a Braced wall panel?

### Answer;

**Foundation Anchor Bolts**-Any foundation bolt specified in the California Building Code may be used in a braced wall panel. For alternate braced wall panels see section 2320.11.4 CBC for special requirements.

**Titan HD**- Simpson Titan HD hardware may be used on interior and exterior braced wall panels as a one for one replacement only. However, they shall be installed as per the manufacturer's specifications.

**RFB**- Simpson RFB (retrofit foundation bolt) may be used on interior and exterior braced wall panels as a one for one replacement only. However, they shall be installed as per manufacturer's specifications.

**Please note:** the use of the **retrofit anchor bolts** manufactured by Simpson/USP or other approved and tested agencies that **are designed for the replacement of or improperly installed anchor bolts and may be used as one for one only**. All hardware shall be installed as per manufactures specs and approved by the Tehama County Building Official. However, the engineer of record shall approve replacement anchors in an engineered system.