Water Heater Bracing

Section 507.2 Seismic Provisions - 2019 California Plumbing Code (CPC):

Water Heaters shall be anchored or strapped to resist horizontal displacement due to earthquake motion. Strapping shall be at points within the upper one third (1/3) and lower one-third (1/3) of its vertical dimensions. At the lower point, a minimum distance of four (4) inches (102 mm) shall be maintained above the controls with the strapping.

(Example drawing on reverse)
Strap water heaters to wall and/or fasten base to floor to resist lateral forces equal to 100% of gravity load. See Figures D2, opposite, and D3, below.

**MINIMUM EARTHQUAKE ANCHORAGE FOR HOT WATER HEATER**

![Diagram of earthquake anchorage for hot water heater]

Base anchor may be substituted for lower strap. See Figure D2

**ELEVATION**

**TYPICAL STRAP ANCHOR**

**SECTION A**

**NOTE:** Detail shown is minimum anchorage for water heaters up to 50 gallons capacity. Anchor heaters to resist a lateral force equal to heater weight plus contents.

See Figure D2 for wall anchorage detail.

**CORNER POSITION ANCHORAGE**