Strapping Requirements for Water Heaters

The State of California requires that all water heaters in our area are to be supported and strapped to prevent movement during an earthquake. A metal strap, not less than 22 gauge, nor less than \( \frac{3}{4} \)" wide will be used. The means of connection to the structure shall be made by the use of a screw not less and \( \frac{1}{4} \)" in size with a minimum penetration of 1 \( \frac{1}{2} \)" into a wood stud of the wall. A cut washer shall be used between the head of the screw and the strap to insure a positive support.

Sample #1

Drill Pilots on centerline of stud, insert screws through punched holes in strap.

These types of supports are over-the-counter products sold as a packaged units.

This strap is installed 6" above the control unit.

This 18" stand is required for heaters installed in a garage location.

Sample #2

Drill pilots on centerline of stud, insert screws through punched holes in strap.

Minimum 22 Gauge metal strap material installed within the top \( \frac{1}{2} \) of the heater and the bottom \( \frac{1}{2} \) of the heater.

Minimum \( \frac{3}{4} \)" screws with minimum 1 \( \frac{1}{2} \)" penetration are allowed.

This 18" stand is required for heaters installed in a garage location.