



EARTHQUAKE RETROFIT

The integrity of your foundation is our specialty. Guaranteed.

WHY STRAP YOUR HOUSE?

Since 1987 Western Construction Systems has been a local Northwest based specialty contractor. One of our specialties is earthquake retrofit.

Western Construction Systems offers complete residential seismic upgrade and foundation strengthening services.

Beyond the general bolting of homes to their foundations we also offer additional foundation strengthening. Almost all of the homes that we retrofit (older than 1940's) have unreinforced foundations (no steel or rebar). These foundations were designed to carry the vertical load of the structure but offer very little lateral or seismic resistance.

So, "That's great we bolted our home to the foundation. But, what happens if the foundation just crumbles?!" We are asked this question often.

We are experts at providing cost effective options to reinforce these old foundations. The most common method we use is carbon fiber reinforcing. The primary benefit of carbon fiber systems versus traditional retrofit and repair methods is that significant flexural, lateral, axial or shear strength gains can be achieved with an easy-to-apply composite that does not add significant weight or mass to the structure.

Many of the foundations for which we use this technology to repair are 100+ years old and have no internal reinforcing. Using these systems, we can significantly strengthen and provide the lateral reinforcing necessary to extend the life of the foundation and resist lateral forces and seismic activity.

We offer free estimates and free inspections. Our trained and highly knowledgeable project managers will assess your situation and design the most appropriate upgrade for you.



**SECOND GENERATION
FAMILY OWNED COMPANY**

NOT A FRANCHISE

**1995 WALLACE RD. NW
SALEM, OREGON 97304**

**CCB# 94222
WA LIC WESTECS899M8**



(503) 362-5052

**FREE ESTIMATES &
INSPECTIONS.
EST. 1987**

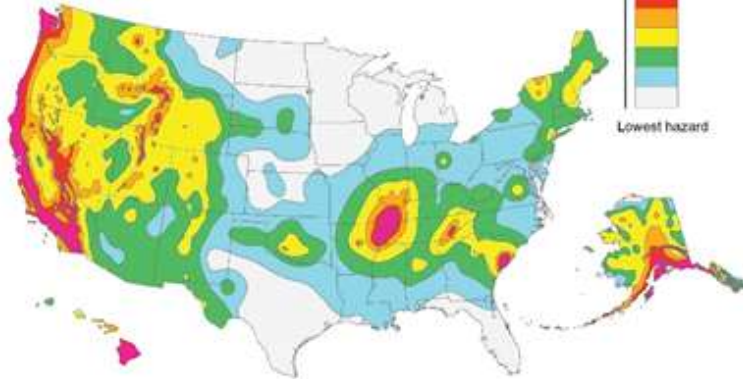
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The three primary perimeter brackets.



Why choose Western?

We don't just do the minimum.



Sliding
House Slides Off Foundation



Racking
Cripple Walls Buckle and Collapse



Overturning
House Lifts Off Foundation



Cripple wall with plywood sheathing



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