

WHY CHOOSE TERRAFIRMA?

- ✓ Custom Solutions for your home
- ✓ Fast, Professional Installations
- ✓ A Written, Transferable Warranty
- ✓ Certified, Insured Installers
- ✓ Superior Customer Service

YOU CAN BE **CONFIDENT** IN SELECTING **US!**

TerraFirma Foundation Systems, Incorporated was founded in 2005 by Ryan Beckley. Today, TerraFirma is one of the largest foundation repair and waterproofing contractors in Oregon and Washington, serving both residential and commercial clients. TerraFirma has had a presence in the Better Business Bureau for many years and is an ongoing Super Service award winner from Angie's List.

But awards only begin to tell the story. TerraFirma also leads the industry in innovation and expertise. We offer more than 20 uniquely patented products and our team is one of the best-trained anywhere. In fact, all of our inspectors and installation technicians have

been trained and certified through the Foundation Supportworks and Basement Systems International training programs. In addition to the thousands of homes we've repaired, we've also completed many commercial projects including: schools, churches, condos, restaurants, apartment complexes, water treatment plants, universities, hospitals and other professional buildings.

No matter what your concern - for home or for business - you can be confident that your TerraFirma representative will have the expertise to diagnose the problem and offer the best, most cost-effective solution.

HAPPY HOMES DEMAND REAL SUPPORT

A **TRUSTED PARTNER**
FOR PROJECTS
LARGE & SMALL



A MESSAGE FROM **SCOTT**



Thank you for choosing TerraFirma Foundation Systems to inspect your home. It is our mission to have the best Design Specialists in our industry that are prompt, knowledgeable, professional, and above all great listeners. Our goal is to provide you with the best options available for your specific needs. Should you have any questions or comments, please feel free to contact me directly at:

☎ 866-486-7196 or ✉ SPierce@TerraFirmaFS.com

WANT TO GET TO KNOW OUR EMPLOYEES BEFORE YOU MEET THEM?

Visit us online at:

TERRAFIRMAFS.COM/~STAFF

and you can meet our
wonderful staff.

You can find your
scheduled inspector under
"System Design Specialists"



THANKS AGAIN!

BEFORE YOUR APPOINTMENT

THANK YOU FOR SCHEDULING YOUR ASSESSMENT AND WRITTEN ESTIMATE WITH OUR COMPANY. **WE LOOK FORWARD TO MEETING WITH YOU!**

HERE IS WHAT TO EXPECT NEXT:

- ➔ You will receive a final confirmation email prior to your appointment details (If you have not provided us with an email address, you will receive a confirmation call instead)
- ➔ We understand that our customers lead very busy lives and do not always get a chance to respond to their email. If this is the case with you, we will follow up with a phone call 2 days prior to the appointment to reconfirm that the appointment date & time is still convenient for you.
- ➔ Your representative may give you a call 1 to 2 days prior to your appointment to introduce themselves.

AT YOUR APPOINTMENT:

- ➔ Your System Design Specialist will perform a thorough inspection on both the inside and the outside of the property. This includes taking detailed measurements and photographs where applicable with your permission and may take some time depending on the number of measurements needed and the accessibility to the inspection area.
- ➔ Once the inspection of your structure is complete your System Design Specialist can:
 - Provide an accurate diagnosis of any issues that might exist.
 - Identify the likely cause or causes of any problems
 - Provide a detailed list of repair options available, with in-depth knowledge of each process we recommend.
 - In most cases, provide a detailed written estimate for any work that may need to be performed, including any associated costs for engineering, permitting or inspection that could be required.
- ➔ After your inspection, we will send you an email with a quick survey. At TerraFirma, we pride ourselves in providing the highest quality service in the industry. If you could take 5 minutes of your time to complete this survey, we would greatly appreciate it.

STABILIZATION SERVICES

GET YOUR FOUNDATION **BACK**
ON SOLID GROUND

Often times homeowners encounter the symptoms of foundation issues without even knowing it. Small issues can indicate much larger or more serious problems.

ARE YOU EXPERIENCING ANY OF THESE WARNING SIGNS OF FOUNDATION PROBLEMS?



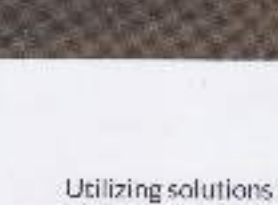
Exterior Wall Cracks



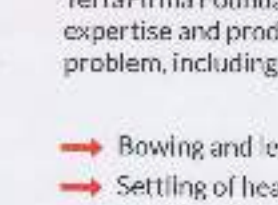
Leaning or Tilting Chimney



Uneven or Sloping Floors



Foundation Cracks



Bowing or Cracked Basement Walls



Interior Wall Cracks



Gaps in Windows or Door Frames

SOLUTIONS

Utilizing solutions such as push piers, helical piers, helical anchor systems and standard wall anchoring systems, TerraFirma Foundation Systems has the experience, expertise and products to fix any foundation structural problem, including:

- Bowing and leaning of basement walls
- Settling of heavy structures (large homes, offices)
- Settling of light structures (decks, stoops, sunrooms)
- Failing retaining walls
- Settling columns in crawl spaces

When it comes to stabilizing your foundation, don't settle for less than the industry-leading products provided by TerraFirma Foundation Systems. Our foundation repair specialists will not only recommend the right solution to your problem, but also provide service that is unparalleled in the industry.

When you choose **TerraFirma Foundation Systems**, you can be confident you made the **right choice**.

CRAWL SPACE SERVICES

DO YOU LIVE ABOVE A CRAWL SPACE?

Protect Your Home From Harmful Mold, Mildew, Bugs, Rodents, Wood Rot and Soil Gases While Decreasing Your Energy Costs.

OUR CRAWL SPACE SERVICES

- ✓ Encapsulation
- ✓ Sagging Floor Solutions
- ✓ Insulation of Walls / Floors
- ✓ Mold Treatment
- ✓ Pillar / Pier Repair or Replacement
- ✓ Main Beam Leveling or Replacement
- ✓ Access Doors / Wells
- ✓ Bond / Sill Plate Sealing

When it comes to making a home healthy, the first place you should start is usually the last place a person looks...

THE CRAWL SPACE

WHY THE CRAWL SPACE?

Crawl spaces can be damp, dark and warm, providing the perfect environment for mold and bacteria to thrive. In addition, bugs love crawl spaces. Spiders, centipedes, carpenter ants, dust mites, and hundreds of other pests may be lurking down there!

MUCH OF THE AIR YOU BREATHE ON THE FIRST FLOOR OF YOUR HOME COMES FROM YOUR CRAWL SPACE.

Relative humidity levels above 60% in your crawl space stimulate the growth of mold, mildew, bacteria and other biological allergens which generate musty odors. Air infiltration from the crawl space permeates the living area, carries odors, and contributes to poor indoor air quality and uncomfortable humidity levels.

CONSEQUENCES OF HIGH HUMIDITY IN CRAWL SPACES

Wet crawl spaces contribute to the cupping of wood floors and the deterioration of floor joists, beams, sub-flooring, insulation and electrical-mechanical systems.

Excess moisture encourages mold growth on wood and other organic materials in the crawl space.



BASEMENT SERVICES

WATER HAS NO PLACE TO HIDE IN A **TERRAFIRMA** BASEMENT

IMPLICATIONS OF A WET BASEMENT

Nuisance. Wet basements can damage storage and lead to uncomfortably high interior humidity levels.

Damage. Carpeting, wall coverings and furnishings in a finished basement.

Odors and molds. If basements are chronically wet, mold may generate unpleasant odors. Some molds are toxic and can be a health risk.

Structural deterioration. It is possible for foundation materials to deteriorate as a result of chronic moisture penetration.

Decrease in concrete value. Moisture seeping through walls or pooling on the floor is a major drawback to prospective buyers.

98% OF BASEMENTS WILL GET WET AT SOME POINT IN TIME.

When it comes to a wet basement, TerraFirma Foundation Systems has the expertise, experience and products Pacific Northwest homeowners trust most. Our waterproofing solutions are specific to the needs of each home. We offer various products to solve any wet basement issues you have.

Don't settle for less than our industry leading product line, transferrable warranties, great financing options, and unparalleled customer service.

TERRAFIRMA FOUNDATION SYSTEMS IS THE ONE CALL YOU NEED TO MAKE!

COMMON SYMPTOMS OF A WET BASEMENT

- Musty moldy odors
- Moldy basement walls
- Cracks in poured concrete walls
- White powder or efflorescence on walls
- Water pooling where wall meets the floor
- Seeping basement walls

POLYLEVEL SERVICES

HAPPY HOMES DEMAND REAL SUPPORT.

YOUR HOME IS PRECIOUS. It's where you grow your family, welcome friends, and create lasting memories. Nothing should stand in the way of that. As your basement walls begin to crack, bow, and lean inward, the very foundation from which your life is built becomes compromised. Finding a permanent solution that addresses the true cause of your foundation problem is the surest way for you to get on with your life's happenings and enjoy peace of mind.



HOW DID YOUR CONCRETE SLAB GET THIS WAY?

Concrete is often poured over recently backfilled soil around a home after construction. This loose soil settles over time, creating a void under the concrete.

Another common occurrence is erosion of soil under the slab. As water runs down through the cracks and joints in the concrete, it washes the soil out as it passes through. These voids cause your concrete to shift and settle, creating cracked, uneven surfaces and dangerous tripping hazards.

THE PROVEN SOLUTION

THE POLYLEVEL® SYSTEM exclusively by TerraFirma Foundation Systems permanently lifts and stabilizes sinking concrete slabs with a high-density polyurethane formula. Small (penny sized) holes are drilled into the slab, and a structural grade polymer is injected into the void. The expanding properties of the polyurethane allow for an accurate lift and leveling of the slab.

1

Strategically drill small 5/8" holes in slab

2

Install injection ports

3

Inject PolyLevel beneath slab to fill voids

4

Grout and seal holes

THE POLYLEVEL SYSTEM can often be installed in a matter of a few hours with immediate loading after just 15 minutes. Restore your property value and enjoy peace of mind right away.

ADVANTAGES

- ✓ Lightweight solution will not add weight to existing soil
- ✓ Waterproof material will not wash out
- ✓ Very minimal disruption to existing concrete
- ✓ Environmentally friendly solution does not degrade
- ✓ High capacity allows for lifting of heavy loads

SEISMIC RETROFITTING SERVICES

GET YOUR HOME EARTHQUAKE READY

If you live in Oregon and Washington, you live in an earthquake-prone area also called an active seismic zone. There are ways, though, to prepare for the next tremor to better protect you and your family, and give you some peace of mind. Your first line of defense is creating an earthquake action plan in case disaster strikes. In order to make sure you and your home are less vulnerable when a quake hits, it's critical to strengthen your home ahead of time. Seismic retrofitting reinforces your home's structure to ensure that the foundation, floor, and walls are fastened together and bolted down from below the ground up, better protecting it from earthquakes. Work with a licensed contractor, like TerraFirma Foundation Systems, to reinforce your home's structure rather than trying to do it yourself.

EARTHQUAKE BASICS

Before you begin a retrofit project, it's important that you are familiar with the basic principles of residential construction and how earthquakes impact your home.



How Earthquake Forces Affect A Home

LATERAL AND UPLIFT FORCES

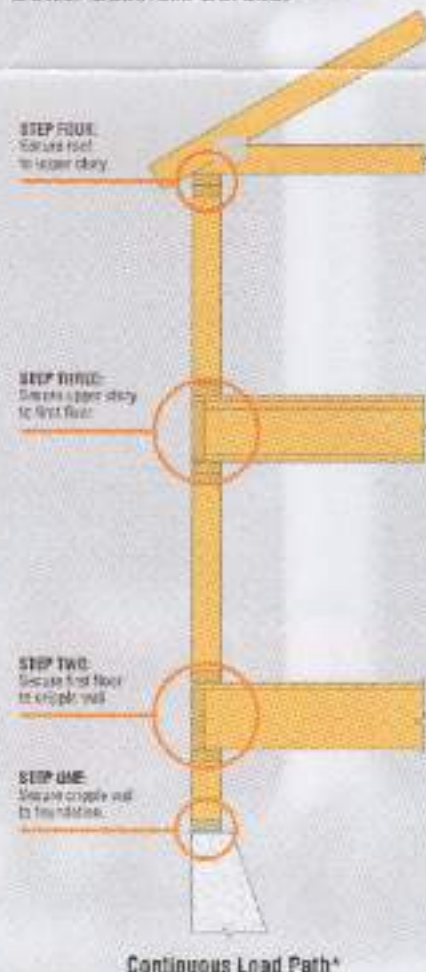
During an earthquake, a house experiences two types of forces: lateral forces and uplift forces. Lateral forces are horizontal forces that result in back and forth (side to side) movement, also known as racking. Lateral forces can shake the house and weaken its frame and cause it to slide off the foundation. Uplift forces are vertical forces that result in up and down movement. Uplift forces can cause the house to overturn and lift off the foundation. Using a continuous load path throughout the home strengthens the entire structure and helps it to resist lateral and uplift forces.

CONTINUOUS LOAD PATH

Building codes now require houses to meet higher structural design standards, including the use of a "continuous load path." This method of construction involves creating a series of solid connections throughout the structure. These connections are created by using a system of wood framing, metal connectors, fasteners (like nails and screws) and shearwalls.

These connections are critical during an earthquake. A continuous load path redistributes external forces from an earthquake by transferring these forces from the frame of the house to the foundation. A home is more likely to withstand an earthquake and stay intact when each part of the house is connected together. In general, houses built within the last 25 years

should have been constructed with a continuous load path. To confirm this was done in your home, you can hire a professional contractor or qualified design professional to perform a structural evaluation of your house. When hiring a design professional, you want to make sure they are licensed to practice in your state and have a good reputation. You should ask for references and check with the Better Business Bureau.



THE NORTHWEST'S #1 CHOICE

FOUNDATION SYSTEMS
TERRAFIRMA[®]



Drew Fry's clients describe him as thorough and helpful. He has been working in the business of homes for over 10 years. From construction worker to project manager and all things in between, Drew has gained many different skillsets. When he finally decided that he needed a position that better suited his personality, his search ended at TerraFirma. Now Drew has the freedom to specialize in the things he knows best about homes!

"I really enjoy solving clients problems, not just the physical problems but the concern as well, such as health or safety issues, etc." Drew speaks highly of his clients and they of him, too. His level of professionalism makes him a great asset to our team.

If you've ever had a conversation with Drew, you've most likely heard something about his wife. Drew admits, he cannot stop talking about her or his three kids, ages 5-15. On the weekends you can find Drew and his wife cheering on their kids at a soccer game or breaking a sweat on a family hike. That is, of course, if the household chores are done first!

TERRAFIRMA
FOUNDATION SYSTEMS