

865-922-2138



SALES@SEIBERRESTORATION.COM

WWW.SEIBERRESTORATION.COM



Seiber Restoration, LLC

Thank you for taking the time to meet with the Seiber Restoration, LLC team. We appreciate this opportunity to introduce our firm and describe the services we provide.

Seiber Restoration focuses its services on waterproofing, foundation, structural, and masonry restoration projects. Often, as a result of our specialized capabilities, other general contractors will retain us to perform work for them.

With 25-plus years of experience, we are proud to have amassed a large list of successful projects. Additionally, we are proud of our Historic Restoration experience, both commercial and residential. Our accomplishments often make Seiber Restoration our client's first choice to restore their home or business. With our restoration methods, we place a keen emphasis on maintaining a building's Historic and Architectural integrity.

In the pages to follow we describe our services and capabilities, as a result we hope you will give us an opportunity to evaluate your client's restoration projects and include us in your "Preferred" contractor/sub-contractor list.

We appreciate your interest and consideration in Seiber Restoration, LLC. Should you have any questions, or require additional information, please do not hesitate to contact us anytime.

Sincerely,

Roger Seiber



Seiber Restoration, LLC Firm Profile

Founded in 1999, Seiber Restoration, LLC has earned a solid reputation as East Tennessee's premier Waterproofing, Foundation, Structural and Masonry Restoration contractor. This family owned and veteran operated business is committed to delivering results through quality craftsmanship and exceptional customer service. We understand the importance of restoring and maintaining a building's historic and architectural integrity with any of our repair projects.

Working from its headquarters in the Halls Community, Seiber Restoration can easily service clients throughout much of the greater Knoxville and surrounding area. We were proud to be involved in the Restoration House Extreme Home Makeover as well as our work on notable historic buildings. For example, Seiber Restoration has performed restorations on multiple Fourth and Gill Historic Overlay, District homes, facade restorations in the Old City, as well as the S & W Cafeteria, 11th President James K. Polk's home, multiple buildings in downtown Knoxville and historic Market Square, and more.

Seiber Restoration holds a state of Tennessee General Contractor License with a \$1,000,000 per-project capacity. Seiber Restoration is fully insured, and with its stringent Safety Training program we have earned a .88 Worker's Compensation Modifier. Each employee is carefully vetted through background checks and are drug screened. Continued training includes OSHA, safety and industry related programs. Our team members are well versed on new and innovative methods of residential, commercial and industrial restorations.

Seiber Restoration has the team, equipment and capabilities to undertake projects requiring complete interior and exterior restorations. With more than 34% of our business coming from referrals and repeat clients, we continue to focus on building successful relationships through proven solutions, results and exceptional customer service.



Seiber Restoration, LLC Management Team



Roger A. Seiber, General Contractor

Roger possesses over 25 years of industry knowledge and experience combined with his formal education as a licensed General Contractor. Roger visits with each client and evaluates each project to develop a unique solution for them. Roger is married to Nira with four children and is a veteran of the United States Marine Corps.



Rich Brown, Director of Business Operations

Rich has been with Seiber Restoration since 2015 developing policy, procedure, and handling business analytics for the company. Rich possesses a Bachelor's Degree from Park University, and is a retired Marine Officer, with decades of experience in leadership and operations management. Rich is married and has three children.



Bo Bennett, Director of Business Intelligence

Bo has been with Seiber Restoration since 2018 and comes from the private sector as the former Chief Operating Officer for a multi-state government software company. He has years of executive level management and process improvement experience. He is married with two children.

Our Mission

Seiber Restoration will maintain our superb reputation through the quality of our workmanship, the superiority of our solutions, as well as exceeding our client's expectations with unsurpassed service and value.



Seiber Restoration, LLC Field Team



Mark Seiber, Field Supervisor

Mark has been with Seiber Restoration since 2004 and has 25 plus years of industry experience and knowledge. Mark has operational control over his project site, and communicates with our senior leadership regarding the vision and scope of work for each project. Mark is married and has 2 children.

Your Expectations

- Each Seiber Team member presents themselves in a professional and courteous manner at all times.
- We take pride in our quality craftsmanship, superior products, attention to detail and consistent communication.
- We are timely, thorough and operate with honor and loyalty towards our partners and the clients we serve.
- We work tirelessly to exceed the expectations of every client we serve.





Seiber Restoration, LLC

Structural Core Fill

The Structural Core Fill process is a repair method intending to correct failing foundation walls. Often, below grade structural failures are due to hydrostatic pressure exerted by the force of water and gravity combined with a foundation wall's lack of proper structural reinforcement. Our Structural Core Fill process begins by core-drilling 2-Inch holes, then pumping grout designed to withstand 4,000 pounds of pressure per square inch, thus filling empty block cells and leaving no voids. This same type of concrete is used to construct interstate bridges and overpasses, and is strong enough to permanently stabilize any foundation wall.

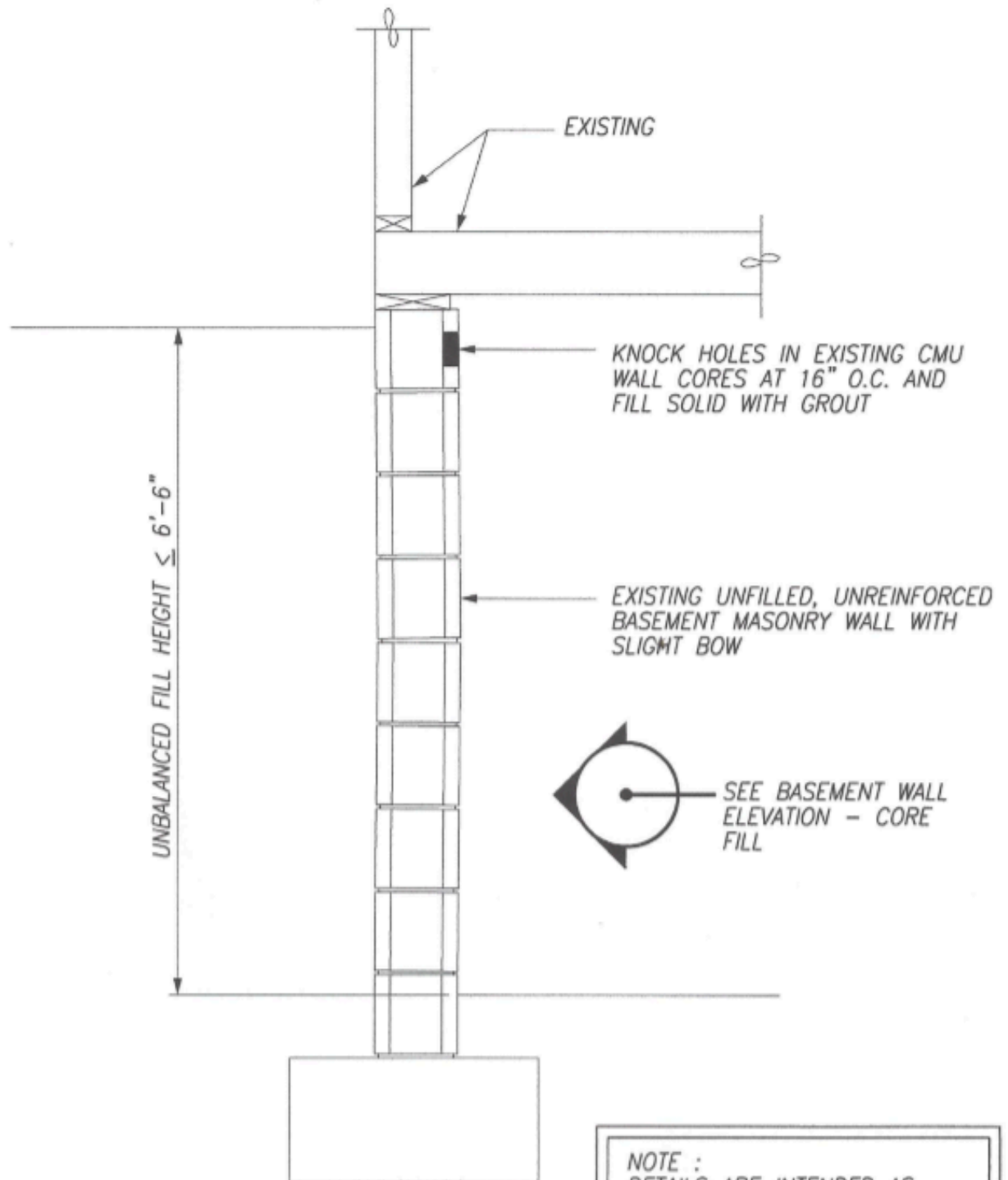
Features and Benefits

- **Value** - By correcting the foundation wall's cracking, bowing, leaning or other failures with our Structural-Core-Fill process, you can maintain, or in many cases, increase the value of your home or office.
- **Maintenance** - Once the damaged foundation walls have been corrected, ongoing maintenance is reduced, or even eliminated, without the need to remove or replace the existing damaged foundation wall.
- **Structural** - You will enjoy a peace of mind knowing the structural integrity of the foundation wall, and subsequently, your home or office, has been returned.



BASEMENT WALL - CORE FILL, |

NOT TO SCALE



NOTE :
DETAILS ARE INTENDED AS
TYPICAL AND ARE SUBJECT
TO CHANGE UPON VERIFICATION
OF EXISTING CONDITIONS.



Seiber Restoration, LLC Exterior Waterproofing

At Seiber Restoration, we offer an "exterior" waterproofing solution by installing the Platon[®] Waterproofing System. Platon is an extremely rugged, dimpled, 24 mil, high-density polyethylene (HDPE) membrane that will keep your foundation dry for decades to come and preserve the structural integrity of your home.

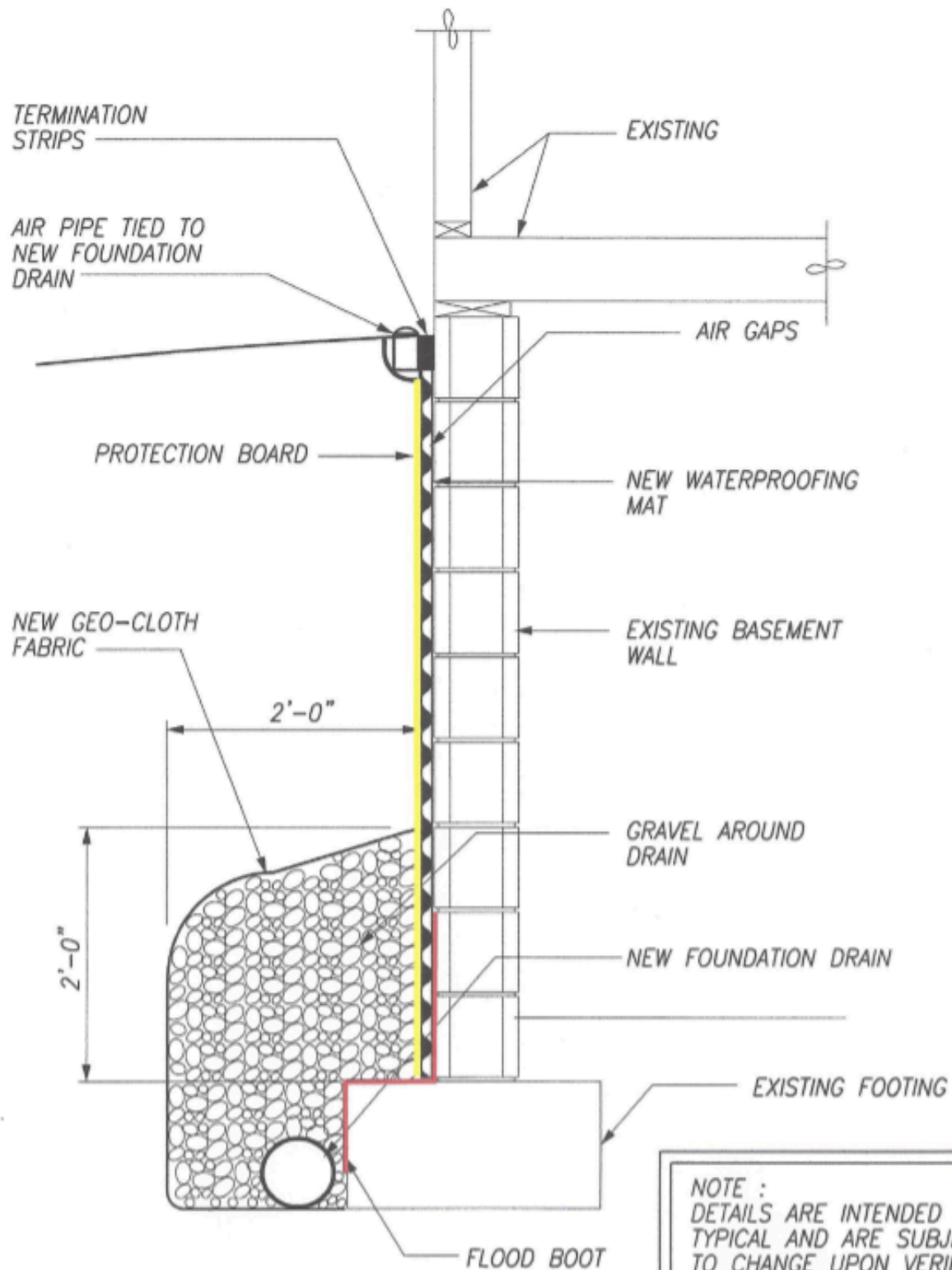
Features and Benefits

- **HDPE** - The Platon membrane is made of HDPE. HDPE is known for its strength-to-density ratio. HDPE has properties that give it stronger inter-molecular forces and tensile strength compared to other products. It is also harder and can withstand temperature fluctuations up to 248 °F for short periods. HDPE is resistant to many different solvents and ideal for waterproofing.
- **24 Mil Thickness** - What this means is that the thickness of the HDPE is extremely rigid. At this thickness HDPE is non-degradable with extreme puncture and tear resistance, as well as dimensional stability under high loads and temperature fluctuations.
- **Dimpled Membrane** - Platon's propriety HDPE, dimpled waterproofing membrane is very important. The dimples on the mat are placed against the foundation wall preventing contact with the soil. The dimpled mat creates an air gap that allows air to flow freely keeping your home or office dry, eliminating any prolonged moisture which can lead to mold growth.
- **Exterior System** - An "exterior system" means that our waterproofing solution prevents water from entering your home, whereas an "interior system" allows water to enter your home. With an interior waterproofing system, weep holes are drilled into the foundation walls, allowing water to penetrate the foundation. Once inside, water is channeled to a drainage system, which is first installed by jack-hammering up the basement slab around the interior of your basement. Seiber Restoration does not offer nor recommend an "interior" waterproofing system.
- **Warranty** - The Platon system is backed by a 30-year warranty.



EXTERIOR BELOW GRADE WATERPROOFING SYSTEM

NOT TO SCALE



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Seiber Restoration, LLC

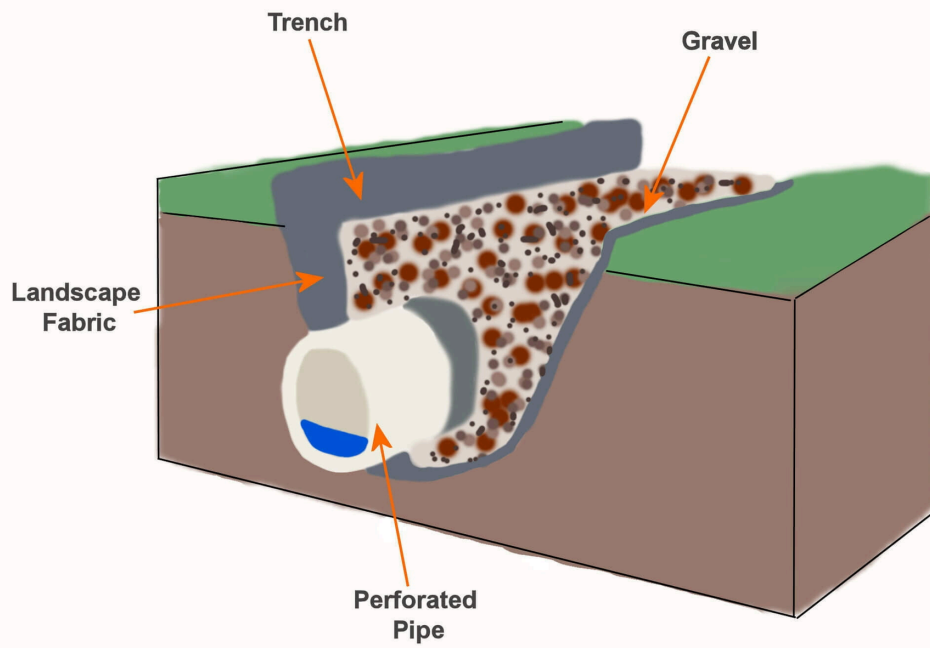
Trench/French Drain

For our clients who may have poor drainage conditions or ground water issues, these can often be corrected with a Trench/French Drainage System. This system begins with a trench lined with a geo-cloth, filled with gravel containing a perforated pipe that redirects surface water and groundwater away from an area.

Our French Drains are primarily used to properly channel ground water from penetrating, damaging and eroding building foundations, as well as behind retaining walls to relieve ground water pressure

Features and Benefits

- **Cost** - When our conventional waterproofing system is not required, a French Drainage system is a significantly less costly method of correction.
- **Geo-cloth** - Geo-cloth is a permeable material, typically non-woven fabric that allows the water to penetrate into the drainage pipe by separating soil from gravel it prevents clogging. What this means is that the water will migrate into the pipe and be channeled away from the home.
- **Drainage Pipe** - The perforated drainage pipe is designed to restrict migration of non-colloidal particles from the surrounding soils. What this means is that water is collected from all sides and is allowed to flow away from the home, not soil, gravel and other materials.
- **Gravel** - The size of the gravel we use varies by project. What this means is that the larger surface area of the gravel allows for the natural channeling of water to occur.
- **Slope** - The slope of our French Drains is greater than the recommended 1/8th inch. This allows for the rapid draining of the affected area. What this means is that the soggy area will dry out faster..





Seiber Restoration, LLC

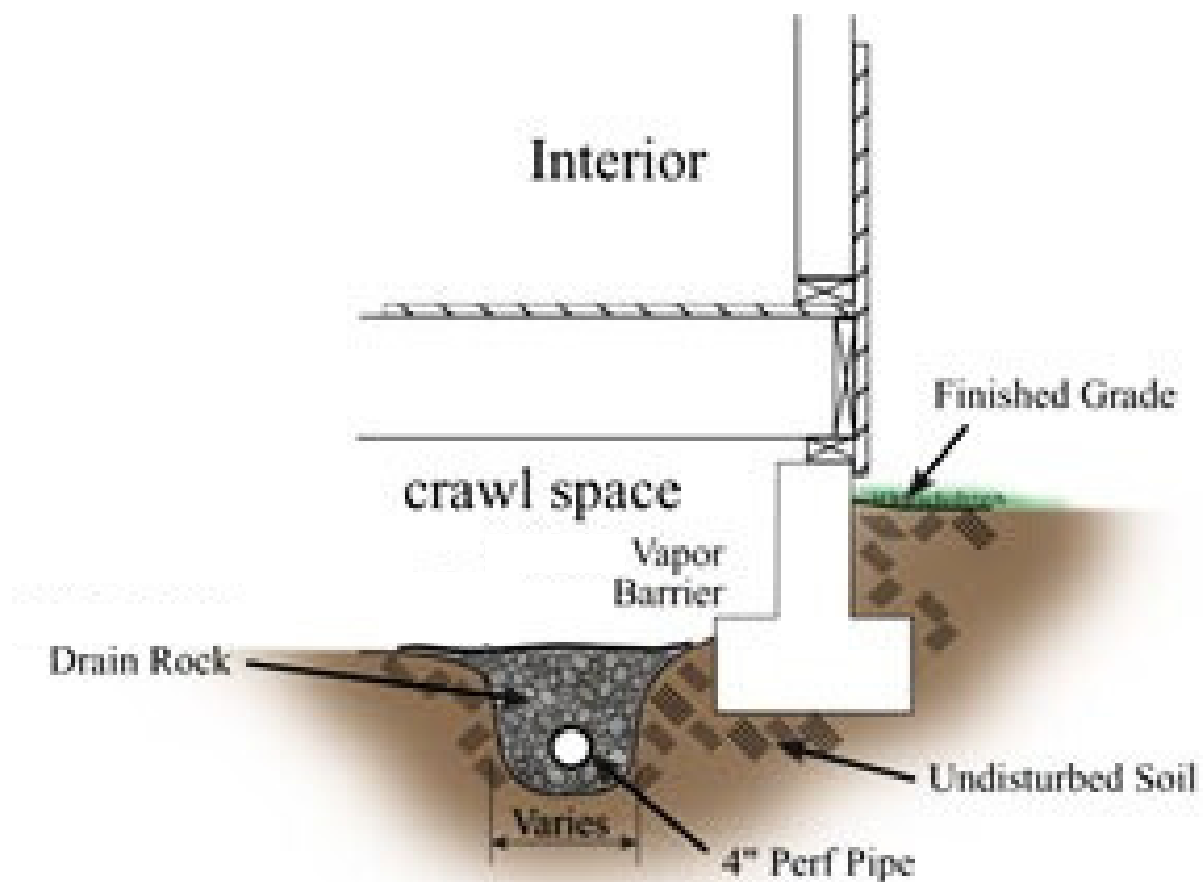
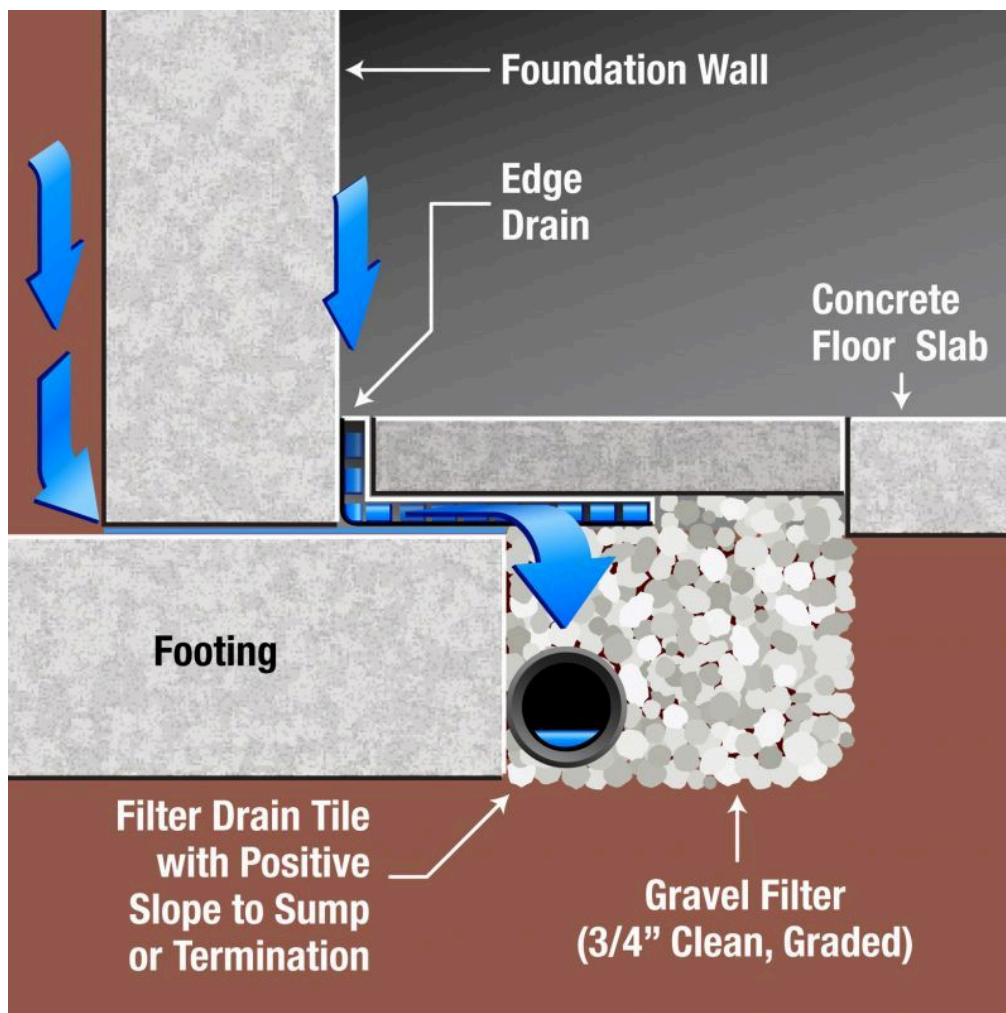
Interior Footer Drain

At Seiber Restoration, we offer our clients with a wet crawlspace an Interior Footer Drain. An Interior Footer Drain is a trench lined with a geo-cloth and filled with gravel containing a perforated pipe that redirects water away from the footing.

Our Interior Footer Drains are primarily used to properly channel water from the crawlspace to the exterior of the home.

Features and Benefits

- **Geo-cloth** - Geo-cloth is a permeable material, typically non-woven fabric that allows the water to penetrate into the drainage pipe by separating soil from gravel it prevents clogging. What this means is that the water will migrate into the pipe and be channeled away from the home.
- **Drainage Pipe** - The perforated drainage pipe is designed to restrict migration of non-colloidal particles from the surrounding soils. What this means is that water collected from all sides and is then allowed to flow away from the home, not soil, gravel and other materials.
- **Gravel** - The size of the gravel we use varies by project, however, it is larger than the small size our competitors use. What this means is that the larger surface area of the gravel allows for the natural channeling of water to occur.
- **Slope** - The slope of our French Drains is greater than the recommended 1/8th inch. This allows for the rapid draining of the affected area. What this means is that the soggy area will dry out faster.





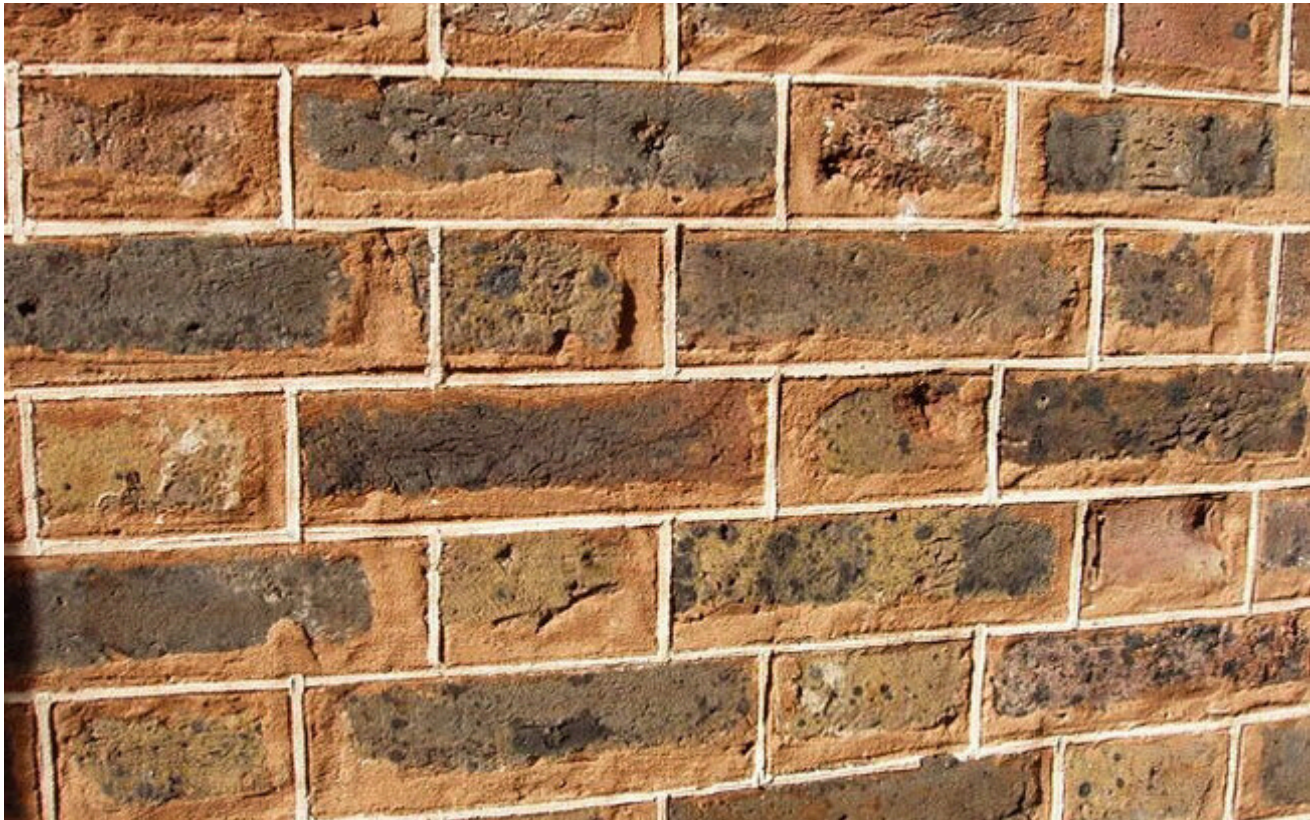
Seiber Restoration, LLC

Tuck-pointing

"Tuck-pointing," sometimes referred to as "repointing" is the removal and replacement of mortar that has deteriorated over time. Mortar is often the victim of all the stress and strains of changing weather conditions, including sunlight, snow, wind, driving rain and frost. Mortar plays a crucial role in protecting the brickwork. Over time mortar breaks down leaving the bricks in your wall without the structural stabilization they need. This allows water to enter your home which leads to damage both inside and outside of the home.

Features and Benefits

- **Weatherproofing** - By tuck-pointing your brickwork you are removing the decaying mortar joints, thus ensuring the weatherproofing of your exterior and interior walls.
- **Aesthetic Value** - When your home is tuck-pointed the crumbling mortar in the brick joints are replaced and you will be restoring the overall appearance of your brickwork and thus, your home or office.
- **Value** - By tuck-pointing your brickwork you can maintain, or in many cases, increase the value of your home or office.
- **Maintenance** - Tuck-pointing will reduce, or even eliminate ongoing maintenance on your brickwork without needing to remove or replace the brick.
- **Structural** - When the grout is allowed to deteriorate, the structural stability of the brick wall will also deteriorate. By removing the decaying mortar joints and replacing them with fresh mortar you increase the structural integrity of the wall and as such, your home or office.





Seiber Restoration, LLC

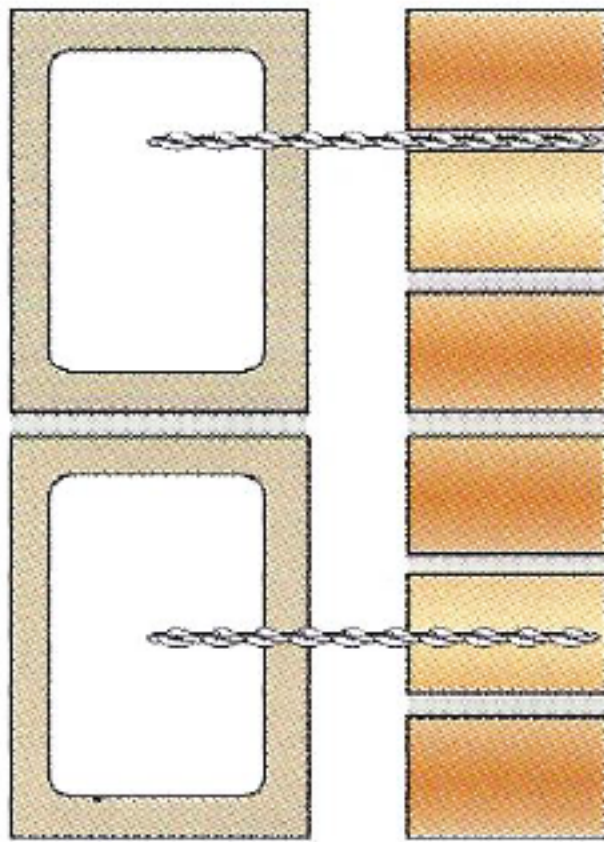
DryFix (Heli-Pins)

When the brick facade begins to separate from the wall, displace or crack, a home or building owner may be confronted by the extremely expensive proposition of having to remove and replace the brick facade. Seiber Restoration offers the DryFix mechanical pinning and the remedial tying system, designed specifically to repair facade work before replacement becomes necessary.

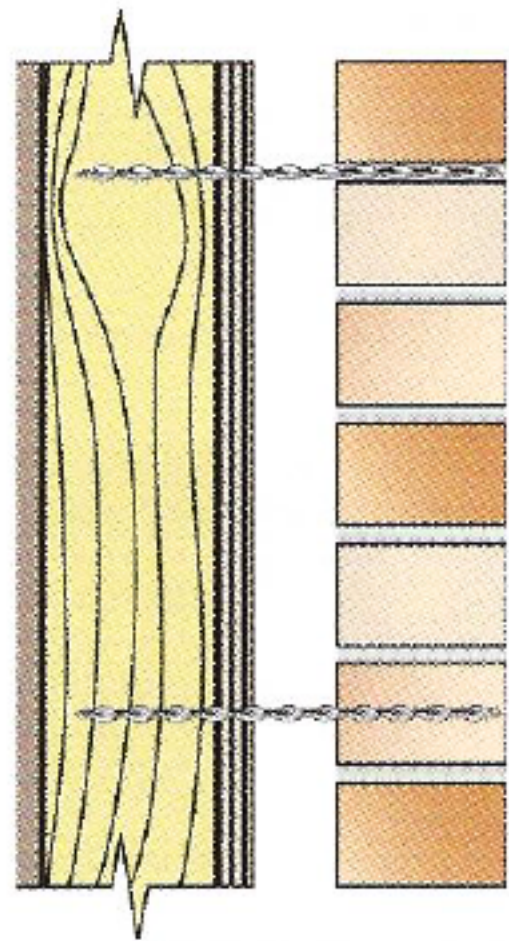
DryFix is accomplished by using the Heli-Pin anchor. The Heli-Pin anchor is a one-piece stainless-steel helical wall tie system, used for anchoring existing brick veneers. The helical design allows the tie to be driven into a pre-drilled pilot hole with a Heli-Pin setting tool. This method provides a reliable mechanical connection between a masonry facade and the building's exterior wall. The helical tie is recessed below the outer face to allow an 'invisible' finish. Existing facades constructed of various masonry materials can be reattached and reinforced using the Heli-Pin. They are ideal for stabilizing areas with missing or corroded wall ties as well as retrofits to multiple width masonry wall sections. Heli-Pin anchors perform in concrete and masonry as well as wood and steel studs.

Features and Benefits

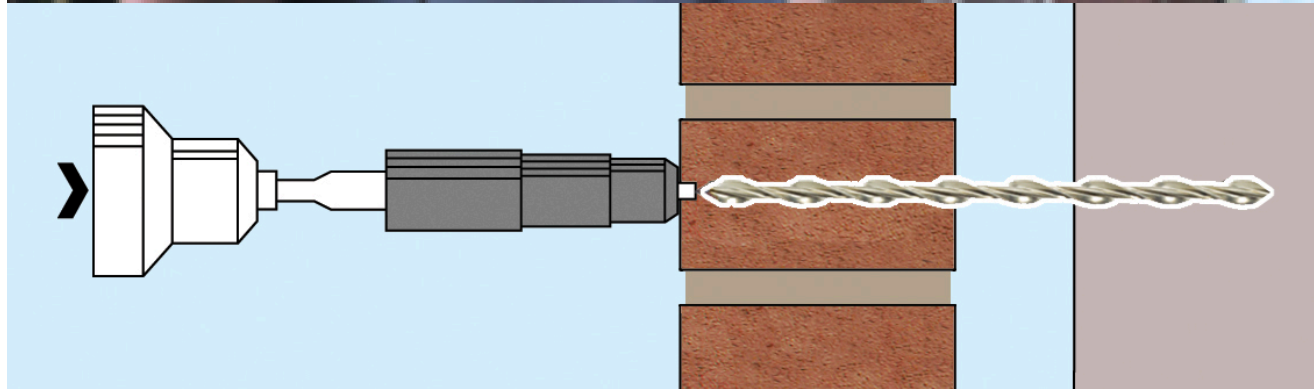
- **Value** - What this means is that by stabilizing the brick facade, you can maintain, or in many cases, increase the value of your home or office.
- **Aesthetic Value** - By using our DryFix system we will leave your masonry work virtually unmarked, thus maintaining its beauty.
- **Maintenance** - Once we have stabilized your home's brick you will reduce any future movement without having to completely remove and/or replace the existing damaged wall. Our DryFix system is suitable in all weathers, temperatures and environments. It can be installed through existing insulation without affecting its thermal performance as well.
- **Structural** - Our DryFix system will ensure that the current cracks will not worsen and the brick will retain its structural integrity.



**Brick to
Concrete Block**



**Brick to
Wood Stud**





Seiber Restoration, LLC

Support Footing

A footing is the first building element that contacts the earth or soil that bares the weight of the home.

When there is a footing failure, the remaining elements of a home are jeopardized. Most footing failures are caused by differential movement, soil settlement, water erosion, lack of concrete reinforcement, undersized or improperly constructed, not placed on compacted soil, lack of psi and/or inferior concrete. The first sign that your home has a broken footer is often vertical, stair-step cracks or displacement in foundation walls constructed of brick or concrete blocks. Other signs are brick pulling away from the home, leaning or tilting chimneys, cracks forming around the doors or windows, jamming or sticking doors or windows, cracks in a concrete slab floor, cracks forming in drywall surfaces. These foundation movement cracks, if unattended, will continue to widen allowing water intrusion and may cause stress and damage to your utility connections.

We repair your home's broken footer with a variety of stabilization methods. The method we use is dependent upon the root cause of the break. Our methods may include the support footer (steel/concrete mending and/or bracing), helical piers, push piers or support system.

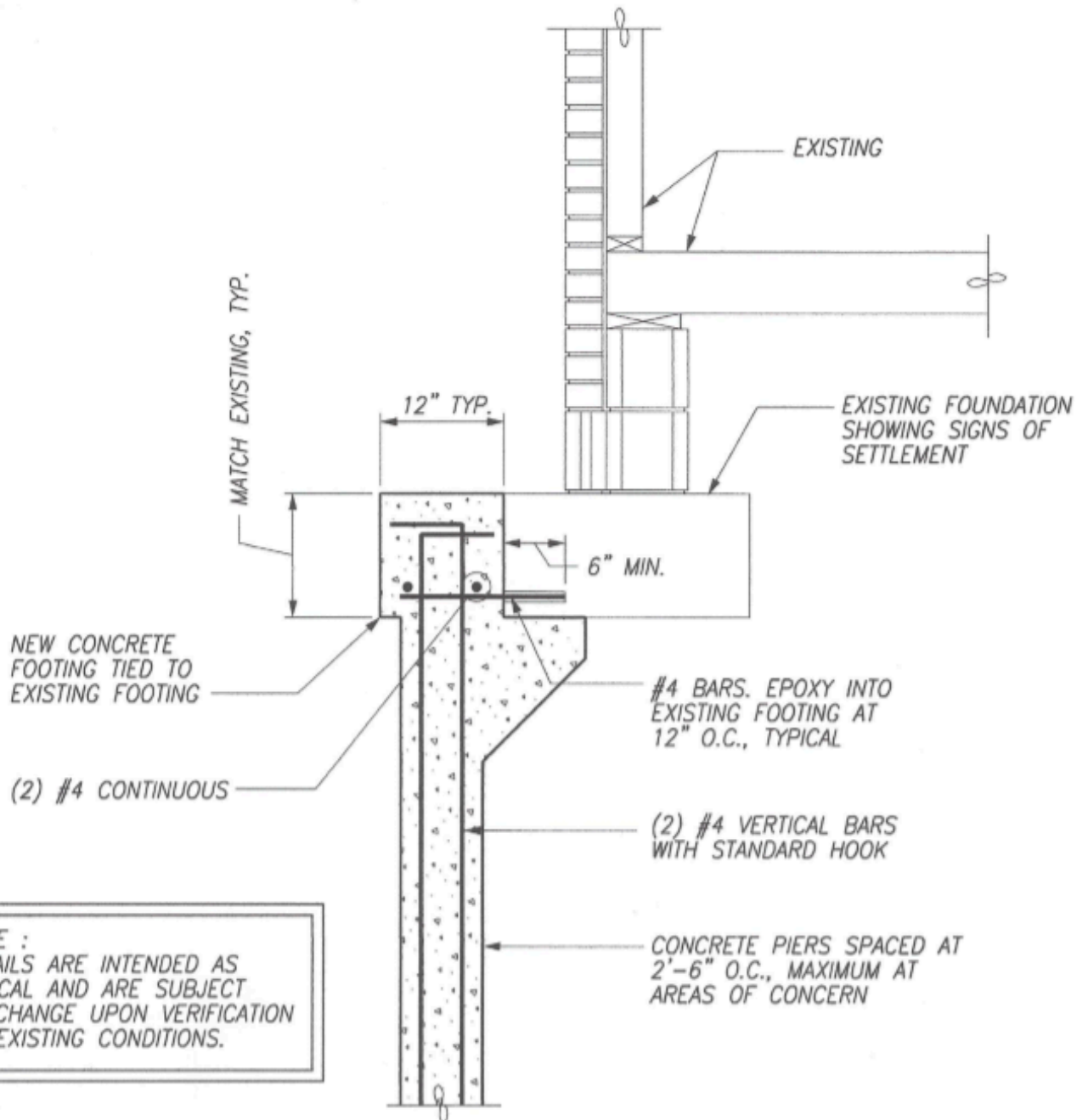
Features and Benefits

- **Value** - By halting the destructive effects of differential movement and stabilizing your home's broken footer you can maintain, or in many cases, increase the value of your home or office.
- **Maintenance** - Once you have stabilized the broken footer you will minimize or even eliminate any future damage to your home without removing and/or replacing the existing damaged wall(s).
- **Structural** - As the footer continues to move the damage will worsen and the wall will lose its structural stability. The wall's lack of a solid footer means that the wall loses its ability to support any floors or your home's masonry facade. By stabilizing the broken footer with any one of our methods you increase the structural integrity of your foundation and your home.



SUPPORT FOOTER

NOT TO SCALE





Seiber Restoration, LLC Support Footing

To better serve the needs of our clients, Seiber Restoration became certified PierTech Helical Pier installers. Helical Piers are a type of deep foundation system used to support structures and correct structural defects, especially in cases of settling or shifting foundations. Below are the features and benefits of using helical piers:

Features and Benefits

- **Screw-Like Design:** Helical piers have a helical plate that allows them to be twisted into the ground, providing stability and support.
- **Load-Bearing Capacity:** They are designed to handle heavy loads, making them suitable for a variety of structures including homes and commercial buildings.
- **Versatile Applications:** Can be used for new construction, underpinning existing structures, and repairing foundations in poor soil conditions.
- **Minimal Excavation:** The installation process often requires less excavation compared to traditional foundation solutions, preserving the surrounding landscape.
- **Quick Installation:** Helical piers can typically be installed in a shorter timeframe than other foundation options, minimizing disruption.
- **Adjustable:** They can be easily adjusted to compensate for future soil movement or settling.





Seiber Restoration, LLC

Carbon Fiber

Here at Seiber Restoration we offer Carbon Fiber strips for some limited structural repair and reinforcement. This is due to Carbon Fiber high strength-to-weight ratio and durability. Here are some key features and benefits of using carbon fiber strips to correct structural defects:

Features and Benefits

- **High Strength:** Carbon fiber strips have a tensile strength that is many times greater than steel, making them effective for supporting and reinforcing structures.
- **Lightweight:** These strips are much lighter than traditional materials, which makes handling easier and reduces additional load on the structural system.
- **Corrosion Resistance:** Carbon fiber is not susceptible to rust or corrosion, ensuring longevity and reduced maintenance costs.
- **Flexibility in Design:** They can be cut to size and shaped to fit different applications, making them versatile for various structural repairs.
- **Non-invasive Application:** Carbon fiber strips can often be applied in a way that minimizes disruption to the existing structure, allowing for less invasive repairs.





Seiber Restoration, LLC Support System

A home is supported by a network of load bearing supports. These supporting networks of beams, trusses, joists, girders, columns and footings may become compromised by soil settlement, moisture, damaged or defective construction materials and/or practices, unsupported live or dead loads, misaligned framing layouts on the sub-floor etc.

The first sign of an issue with the home's support system may be sagging, bouncy or slanting floors and/or cracks forming around the doors and windows. Other signs of issues with your home's structural support system may be windows and doors jamming or sticking, as well as cracks forming in the drywall surfaces or electrical lines pulling away etc. If these cracks are left unattended, they will continue to worsen and develop new problems which may lead to other structural issues.

We offer our clients a structurally engineered support system to correct these defects, by adding additional supports or adding new load bearing beams beneath the existing flooring system. Additionally, new reinforced concrete footings are poured under your home to support the new 3" diameter steel posts that have been custom fit for your home.

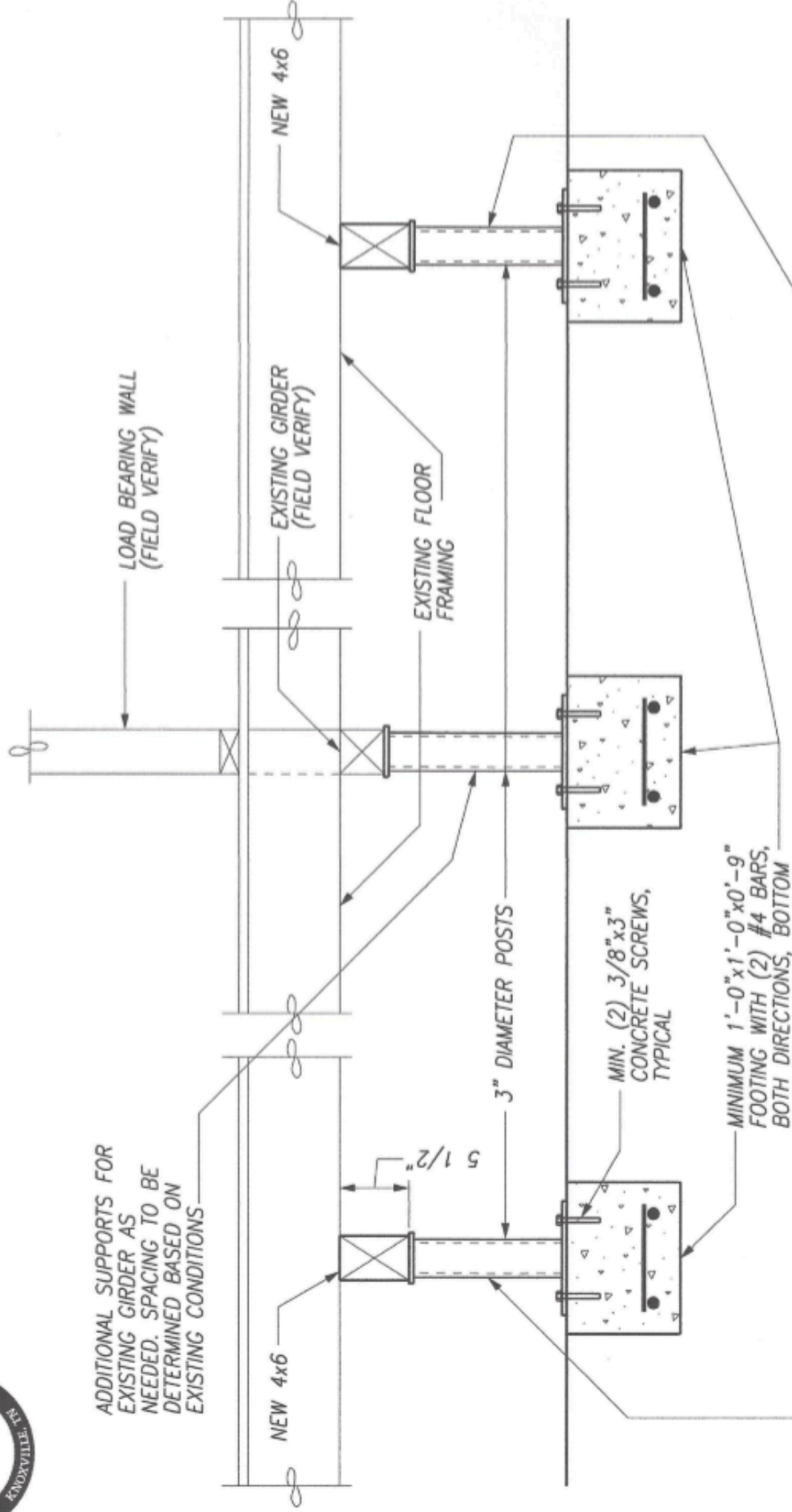
Features and Benefits

- **Value** - By halting the destructive effects of your existing support system and stabilizing your home's flooring system you can maintain, or in many cases, increase the value of your home or office.
- **Maintenance** - Once you have stabilized your home you will minimize or even eliminate future damage without having to completely remove and/or replace the existing damaged drywall, windows, doors etc.
- **Structural** - By stabilizing your home's existing support system you will increase the structural integrity of your home.



SUPPORT SYSTEM

SCALE: 1" = 1'-0"



ADDITIONAL SUPPORTS FOR
EXISTING GIRDER AS
NEEDED. SPACING TO BE
DETERMINED BASED ON
EXISTING CONDITIONS

NEW 4x6

EXISTING GIRDER
(FIELD VERIFY)

EXISTING FLOOR
FRAMING

3" DIAMETER POSTS

5 1/2"

MIN. (2) 3/8"x3"
CONCRETE SCREWS,
TYPICAL

MINIMUM 1'-0"x1'-0"x0'-9"
FOOTING WITH (2) #4 BARS,
BOTH DIRECTIONS, BOTTOM

SUPPORTS FOR 4x6 TO BE SPACED
AT 6'-0" O.C. (TYP.) 1'-0" MAX OVERHANG
ALLOWED (SPACING TO BE DETERMINED
BASED ON FIELD CONDITIONS)



Seiber Restoration, LLC Other Services

Have other problems that need solving? You've seen our primary core services, however, we offer the following services as well and are willing to consult on projects for you beyond the things listed here.

Chimney Repair

Site Drainage Corrections

Masonry Restoration

Historical Restoration

Construction defect Remediation

Epoxy and above grade waterproofing

And more!

Let us show you the Seiber difference!





Seiber Restoration, LLC Credentials

Tennessee License Number: **53128**

OSHA Trained and Certified

First Aid & CPR Certified

Fall Arrest Certified

Helical Pier Certified

Knoxville Chamber Member

Better Business Bureau Accredited Business

National Association of Waterproofing &
Structural Repair Contractors (BHA) Member

Veteran Owned and Operated Business

**W9, Certificate of Insurance and
other credentials available on
request.**