

# FOUNDATION SUPPORTWORKS™

POWERBRACE™ SYSTEM



**Foundation Supportworks™ stabilizes cracked & bowed basement walls with our proven, engineered PowerBrace™ system.**

STABILITY. SECURITY. INTEGRITY.

PowerBrace™  
System

About

# FOUNDATION SUPPORTWORKS™

FOUNDATION  
**SUPPORTWORKS™**



Omaha, Nebraska



Seymour, Connecticut

▶ **Foundation Supportworks™** is a network of the most experienced and knowledgeable foundation repair contractors in North America. With dealers from coast to coast, Foundation Supportworks™ is focused on training, gathering, and sharing the best practices in the industry – so your authorized dealer is operating with the resources of literally hundreds of years of combined experience.

**Engineered to Perform** – Foundation Supportworks™ has both geotechnical and structural engineers on staff for product design, dealer support, and quality assurance of our products. Each dealer is authorized, trained, and certified by Foundation Supportworks™.

**What This Means for You** – You can rest assured that you will get a quality, safe, and secure repair to your foundation – holding up your biggest investment!

Foundation Supportworks™ has major dealer support facilities in Omaha, Nebraska and Seymour, Connecticut.



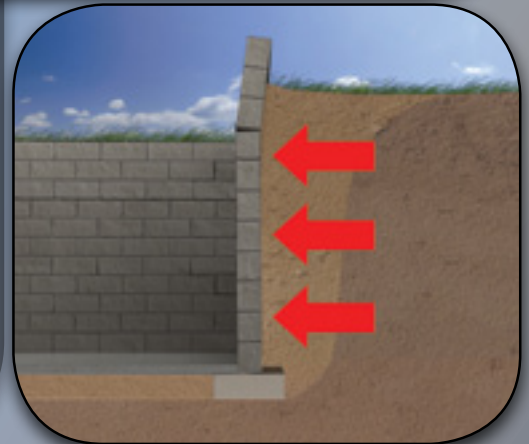
## The Causes of

# CRACKED & BOWING

## Basement Walls

▶ While there are a number of potential causes of cracked and bowing foundation walls, the most common reason is pressure from the soil near the outside of the wall. When clay soils get wet, they expand and put pressure on the wall. When the force exceeds the strength of the wall, the wall cracks or breaks. This reduces the structural integrity of the wall, and when the wetting cycle is repeated, this causes further weakening and inward movement.

Other factors include heavy rains [causing hydrostatic pressure] and other structures [ie driveways, porches] putting pressure on the wall, large tree root systems, expansion due to frost, and poor grading.



## OPTIONS FOR REPAIR

Less desirable, alternative methods



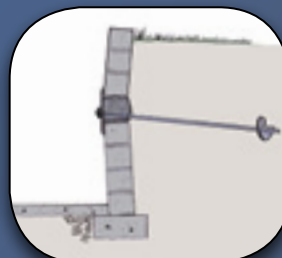
### Wall Replacement

- Very expensive
- Very disruptive
- Does not address the problem (new walls likely to bow)



### Wall Anchors

- Adequate space inside basement required to drive anchor rods
- May be unsuitable if property line issues are a problem



### Helical Wall Anchors

- Large holes required in your basement wall
- Heavy equipment needed inside
- May be unsuitable if property line issues are a problem



### Carbon Fiber Fabric

- Doesn't protect against wall tipping in
- Relies on epoxy glue
- Cannot straighten the wall

# The **PROVEN SOLUTION**

FOUNDATION  
**SUPPORTWORKS™**

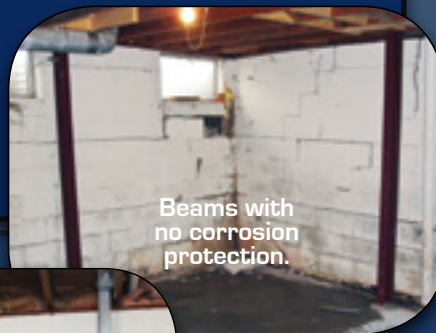
## **POWER** FOUNDATION WALL REINFORCEMENT **BRACE™**



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- ▶ The patented PowerBrace™ System from Foundation Supportworks™ effectively stabilizes your basement walls, in turn protecting your largest investment – your home. Heavy-duty, zinc-plated steel beams are custom-fit to your basement wall height. The beam is then secured tight against your basement wall with heavy-duty steel brackets that are anchored to your basement floor and floor joists. The steel beams will stabilize the wall in its current position, without any further adjustment. A unique, patented approach to the PowerBrace™ design is the ability to continue to tighten the system during the dry season for possible wall improvement.

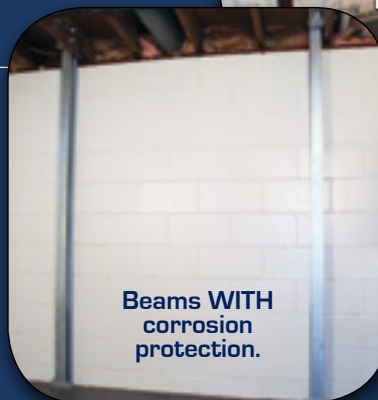
*\* Due to common variations in building design and construction materials, PowerBrace™ applications should be reviewed by an engineer or other qualified design professional.*



Beams with no corrosion protection.

## ▶ **PROTECTED FROM CORROSION**

To protect the system from corrosion, all components of the Foundation Supportworks PowerBrace™ System are zinc-plated in accordance with the American Society for Testing and Materials (ASTM) B633 standards for zinc coatings on steel. Most steel beam systems offered by contractors are installed using black, uncoated steel or painted steel. Unprotected steel offers very little resistance to corrosion, resulting in a rusted and unsightly system in your basement living space as well as potential health concerns.



Beams WITH corrosion protection.



## ▶ **DID YOU KNOW?**

Rust is Iron Oxide. Hence, any warnings concerning the ingestion of iron may apply. Iron poisoning is the leading cause of accidental poisoning deaths among young children. Rust also provides the perfect habitat to harbor the dangerous bacteria *C. tetani* which causes tetanus. Tetanus produces many harmful effects, such as muscle spasms, difficulty swallowing, and elevated blood pressure and heart rate.



# Steps to a **SAFE & SECURE**

## Basement Wall



### STEP 1

Basement wall height is measured, and the PowerBrace™ steel beam is cut to the appropriate height.



### STEP 2

The top of the steel beam is fastened and secured to the floor joists.



### STEP 3

The PowerBrace™ beam is plumbed.



### STEP 4

The bottom of the steel beam is anchored to the concrete floor.



### STEP 5

The PowerBrace™ System can be tightened at intervals for possible wall improvement.



### STEP 6

Additional PowerBraces™ are installed using the same procedure.

## Restore Your **PROPERTY VALUE**

► Real Estate professionals tell us that today, more than ever, it is difficult to sell a home with a structural problem. Left untreated, a home's value may have to be discounted significantly to sell, often by much more than the cost of Foundation Supportworks™ PowerBrace™ solution. Therefore, in most cases, you are saving money by addressing your foundation problem now – it's fixed in one day!

You can rest assured that your foundation walls are stable and will not further bow. The PowerBrace™ System comes with a 25 year warranty against manufacturing defects and a performance warranty from your local dealer. *Ask your local dealer for details.*



Authorized Dealer of **FOUNDATION SUPPORTWORKS™**

PowerBrace™  
System