



"Providing sound solutions is the foundation of our business".

## Helical Piers & Anchors

Helical Systems provide deep foundation stabilization for both new and existing construction and restoration. Helicals are installed vertically through problem soils until load-bearing soils are reached for new construction.

They serve as an underpinning method to stabilize and restore foundations damaged by expansive soils, erosion or poorly compacted fill soils.

Installed laterally as tie-backs or anchors, they are used for shoring in new construction, slope stabilization, utility anchors, and to stabilize and restore walls that have been improperly constructed or damaged by poor drainage or expansive soils.



Helical piers for new industrial park.



Helical piers for new 12" water line located on a mountain slope, approximately 1,400 ft. above valley floor. --- Paonia, CO.



Helical piers ready for installation.



Stage 1: Sara Lee Bakery - GJ, CO



Stage 3: Sara Lee Bakery - GJ, CO



Stage 2: Sara Lee Bakery - GJ, CO



Finished: Sara Lee Bakery - GJ, CO



**1-888-724-0692**

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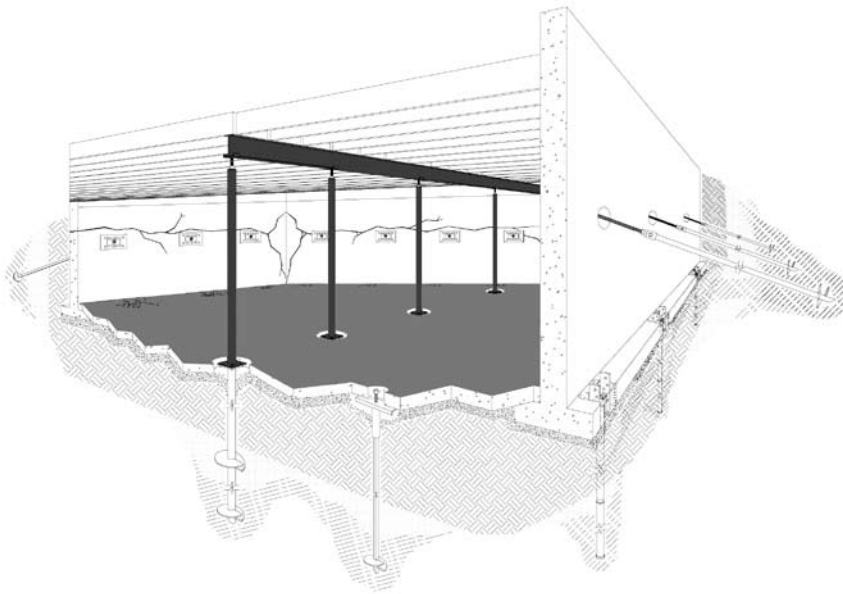
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## Helical Systems

Installed laterally as tiebacks, they can stabilize and restore walls that have been improperly constructed or damaged by poor drainage or expansive soils.

Helicals are easily installed even in tight areas and can be used with Resistance Pier Systems for increased stability. Helicals can be removable and reusable for temporary applications.

They are permanent solutions to wall and foundation problems and have proven not only effective but also economical.



### Benefits / Advantages:

- 135,000 lb. bearing (compression) loads
- 140,000 lb. anchor (tension) loads
- All weather installation
- Corrosion protection
- Ease of installation in limited access areas
- Fast installation
- Immediate loading
- Lower installed cost
- Minimum disturbance to site
- No vibration
- On site load test capability
- Reusable in temporary tie-back or support applications

**M**CSI is qualified and/or certified in the installation of these materials and systems (this is a partial list)

- 3M
- Atlas Systems
- Avanti International
- Cellular Concrete LLC (CLSM)
- Con-Tech Systems, Inc.-  
Ischebeck/Titan
- Dayton Superior
- DeNeef
- Dex-o-tex
- Dow Corning
- Dwyidag-Systems International (DSI)
- Earth Contact Products (ECP)
- Euclid
- General Polymers
- Green Mountain
- L.M. Scofield
- Maccaferri
- Master Builders
- Prime Resins
- Quickrete
- Sika
- Sivento
- Sonneborn
- Strata-Tech, Inc.
- Super-Krete
- TenCate (geo-synthetics)
- Tremco/Vulkum
- USG Levelrock
- Williams Form Engineering
- Xypex



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