



RAM JACK®  
FOUNDATION  
SYSTEMS

NEW  
CONSTRUCTION  
PILE



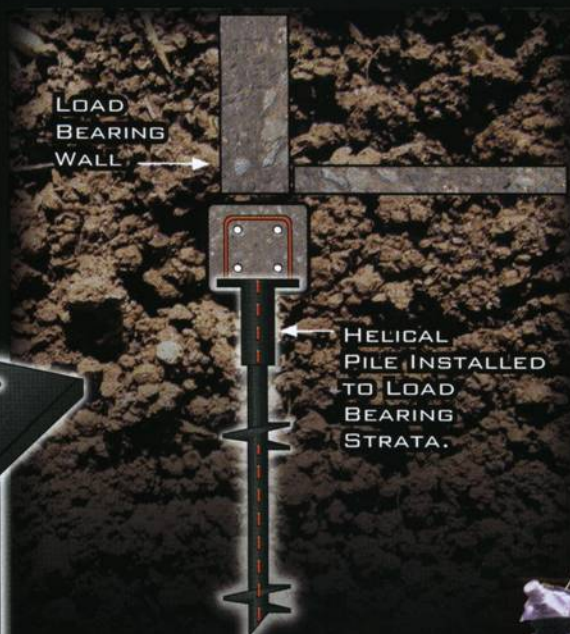
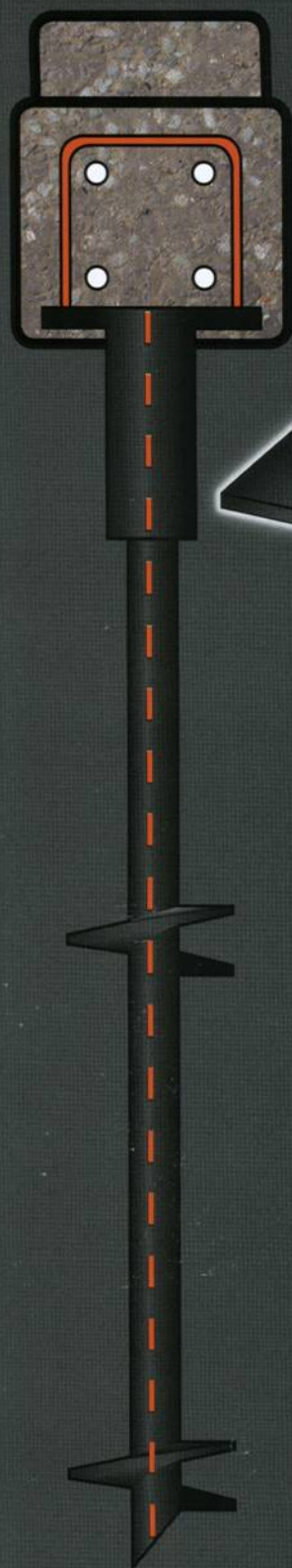
**RAM**  **JACK®**

FOUNDATION SOLUTIONS

[WWW.RAMJACKSYSTEMS.COM](http://WWW.RAMJACKSYSTEMS.COM)

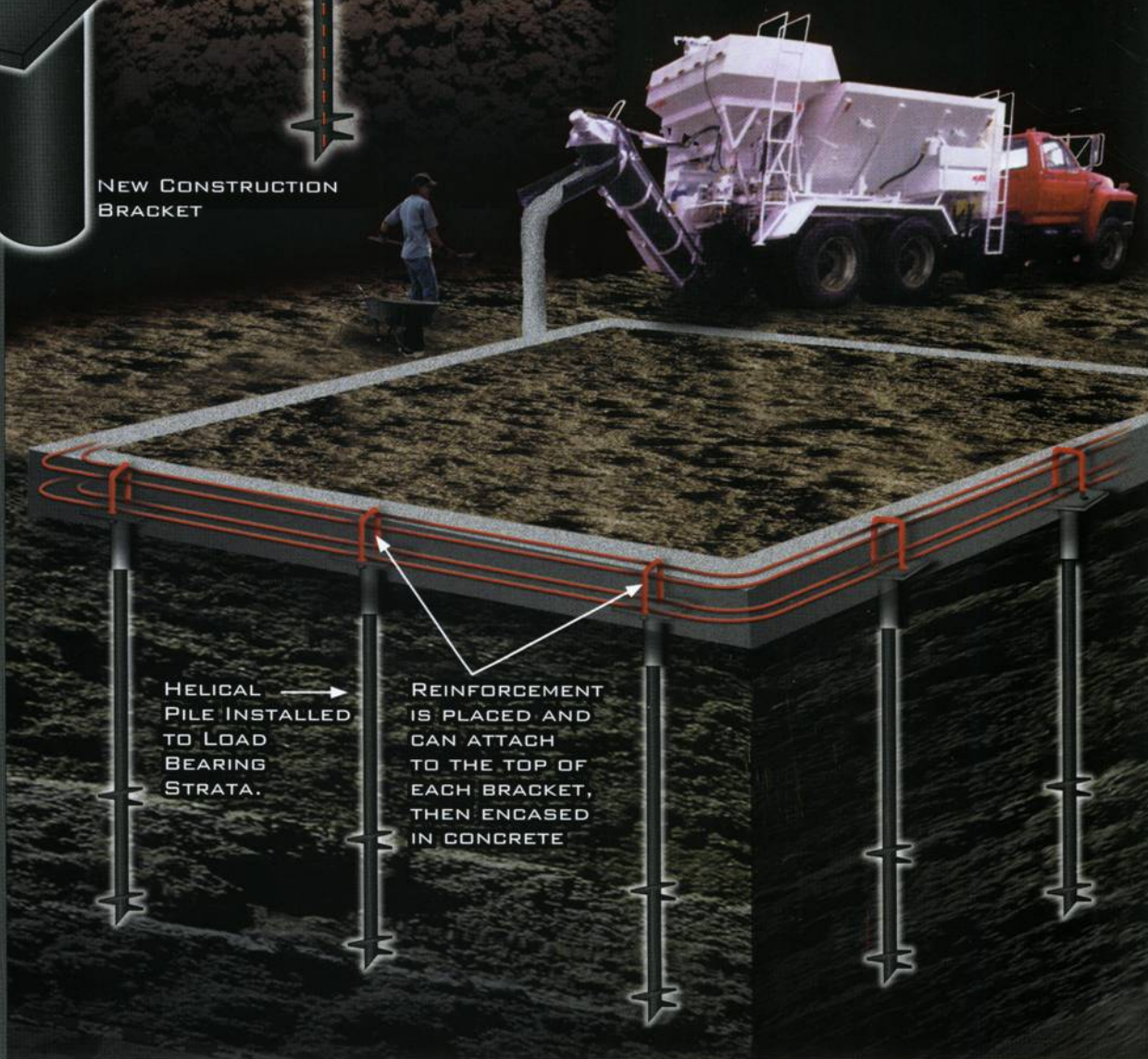


# NEW CONSTRUCTION PILE



HELICAL PILES  
INSTALLED DURING  
CONSTRUCTION PREVENT  
DOWNWARD SETTLEMENT  
BEFORE IT STARTS.

NEW CONSTRUCTION  
BRACKET



PRESERVE THE  
VALUE OF YOUR  
NEW HOME OR  
BUILDING.  
USE RAM JACK

**RAM JACK®**  
FOUNDATION SOLUTIONS  
[WWW.RAMJACKSYSTEMS.COM](http://WWW.RAMJACKSYSTEMS.COM)  
800.969.2255

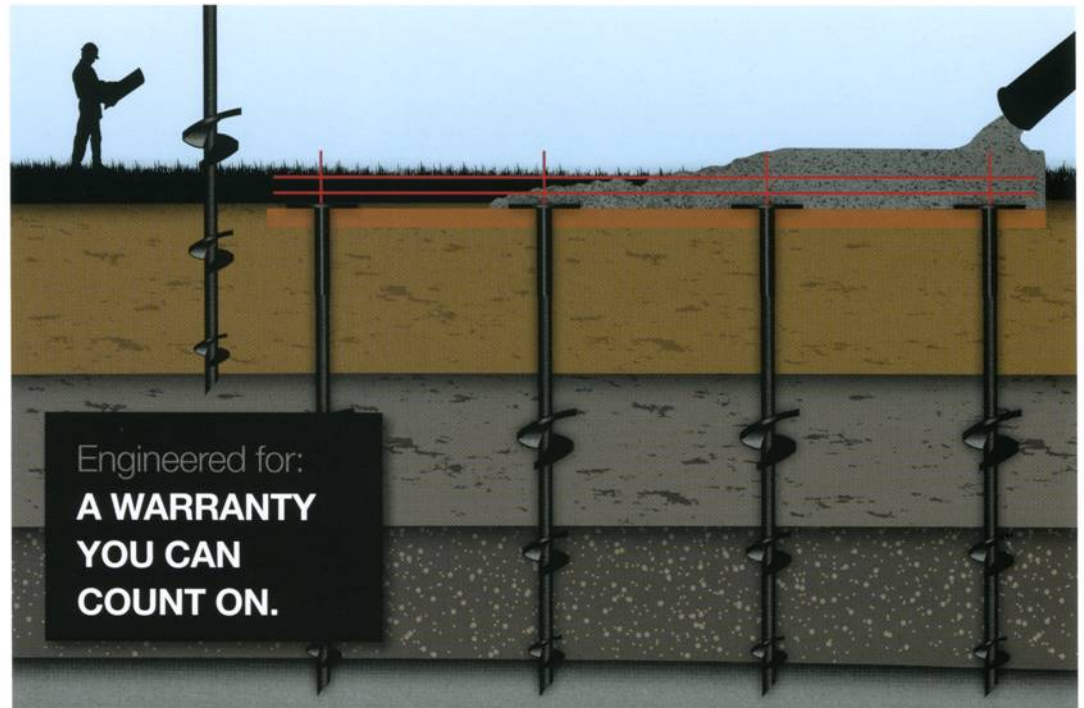


# RAM JACK® SUPPORTED FOUNDATIONS



Exclusive Patented Technologies for Foundation Solutions

## RAM JACK® Fully Supported Foundations



Engineered for:  
**A WARRANTY  
YOU CAN  
COUNT ON.**

### **PROBLEM : Foundation Failures**

Properly constructed foundations don't fail; the expanding soil that **SETTLES** and **EXPANDS** beneath the foundation causes failure.

### **SOLUTION : RAM JACK® Supported Foundations**

FOR NEW COMMERCIAL BUILDINGS & RESIDENTIAL HOMES

During the new construction phase we install helical piles to load bearing strata with piles caps for attaching the steel reinforcement before placing the concrete. Now you have a foundation that prevents settling before it starts.

1. RAM JACK® Helical Steel Piles are torqued deep to load bearing strata where they are locked into place for both exterior and interior grade beams.
2. RAM JACK® is an internationally recognized foundation solution company with latest technology and a tradition for the highest standards in customer care. Our products are manufactured with pride in the United States. Our Threaded Connection Technology is second to none and offers substantial benefits over traditional methods. Our Thermoplastic Coating makes our pilings friendly to the environment.

**ASK YOUR RAM JACK® DEALER ABOUT A WARRANTY YOU CAN COUNT ON.**

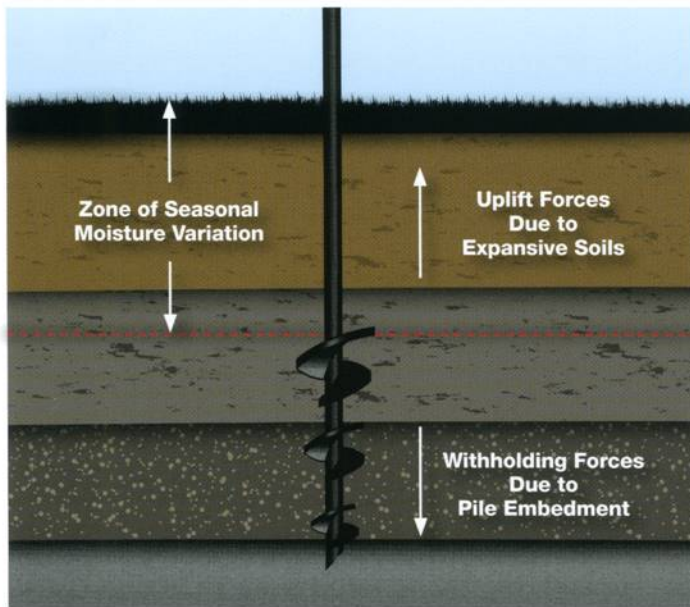


# HELICAL vs. CONCRETE COMPARISON



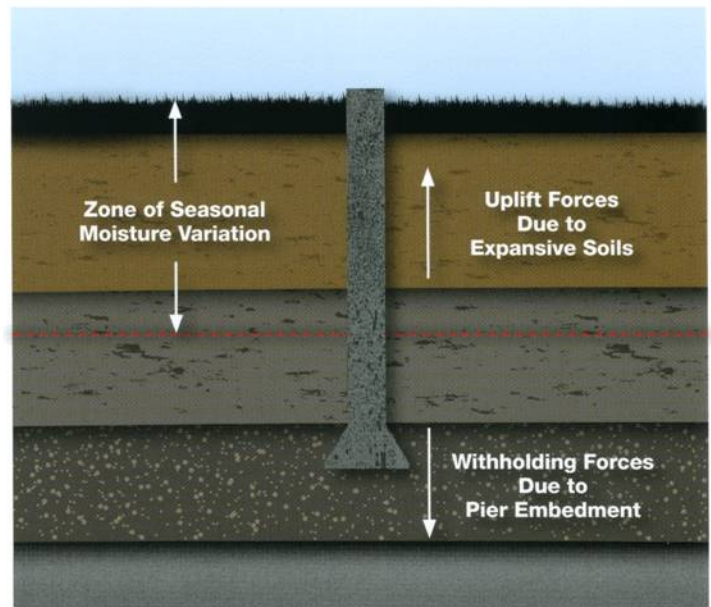
Exclusive Patented Technologies for Foundation Solutions

Which would you rather have supporting your foundation?



## HELICAL PILES

1. Clean installation with no spoils
2. No excavation
3. Installed below water table without casing
4. Can be loaded immediately after installation
5. No weather delays / No vibration / No noise
6. Load carried on helix bearing plates
7. Slender shaft reduces heave potential due to skin friction
8. Each pile is tested for capacity as it is installed by monitoring the torque values.
9. Can be removed
10. A warranty you can count on



## DRILLED CONCRETE PIERS

1. Drill Spoils
2. Must drill hole / Equipment / Time
3. Pier must be cased if water table is penetrated
4. Must wait for concrete to cure before loading
5. Weather delays
6. Typically depends on skin friction for bearing
7. Large surface area makes susceptible to heave due to skin friction
8. No way to test during installation
9. Cannot be removed
10. One (1) Year Warranty Typical

Year after year, a large percentage of foundation damage is caused by building on less than adequate soils. Now there's a proven method that will prevent future damage, saving you time and money.



## FOUNDATION SOLUTIONS

Ram Jack Systems Distribution, LLC  
13655 County Road 1570  
Ada, OK 74820

Mr. Craig Woodard  
RJT Commercial  
3065 Forest Lane  
Garland, TX 75042

October 1, 2008

Re: Helical Pile Section added to 2009 IBC

Dear Mr. Woodard:

As you are aware, the design criterion for helical piles has been governed under Section 1808.2 (Pier and Piles – General Requirements) of the International Building Code (IBC). Due to the popularity and contributions helical piles have made to the construction industry, the IBC has sought to add a specific section for helical piles in the 2009 IBC.

The IBC contracted with the National Council of Structural Engineers Associations (NCSEA), which was represented by Michael Valley, P.E., to rewrite Chapter 18 of the IBC which included adding a section for helical piles in the 2009 IBC. Mr. Valley is a senior associate at Magnusson Klemencic Associates of Seattle, Washington.

The helical pile design criterion and language to be included in the 2009 IBC was approved by the IBC Hearings Committee on Saturday, September 20<sup>th</sup> in Minneapolis, MN. The helical pile design and acceptance criterion will be in Section 1813 – Helical Pile Foundations. The release and distribution of the 2009 IBC should begin in January of 2009. Most city municipalities begin adopting the new building code shortly after its release.

If I can be of further assistance or should you have any questions, please do not hesitate to contact me.

Sincerely,

Darin Willis, P.E.  
Senior Engineer