

HELICAL PILES SUPPORT

Puyallup Tribe Housing

40
HELICAL
PILES
INSTALLED

RESIDENTIAL

RAM JACK WEST

www.ramjackwest.com | 866-472-6522
SeaTac, Washington



PROBLEM

In the serene setting of the Puyallup tribal lands, a residential property encountered a pressing issue as its foundation began to show signs of distress. The slab displayed noticeable sloping, accompanied by prominent sheetrock cracks throughout the interior, and doors that were challenging to operate due to the underlying problems. In response to the urgency, the Puyallup Tribe Housing Department engaged Ram Jack West, a well-known specialist in foundation stabilization. Despite previous attempts by another contractor, the problem persisted, necessitating a comprehensive and lasting solution. Collaborating with Wolden Structural Engineering, Ram Jack West devised a meticulous plan to address the concerns and support the dwelling.

After the initial evaluations, elevations recorded with a Zip Level determined the structure was 4" out of level. The proposed solution involved installing 40 helical piles strategically positioned both inside the slab, with folding slab brackets, and along the exterior foundation stem-wall. This approach aimed to provide a more stable foundation and mitigate differential settlement, ensuring long-term support for the structure.

PROPOSED SOLUTION

With precise execution and skill, the team lifted the structure, restoring its levelness. The use of Polyurethane foam, a modern technique, effectively filled the voids beneath the foundation, requiring the injection of approximately 800 lbs. of two-part component foam.



OUTCOME

The results were impressive, with the foundation leveled within a 1/4" tolerance. The previously troublesome interior doors now operated seamlessly, and the extensive sheetrock cracks closed during the lifting process, affirming the success of the project. The housing manager and property maintenance manager expressed their satisfaction with Ram Jack West's work. The project not only restored the structural integrity of the dwelling but also reflected the tribe's commitment to preserving their property's value. Through the expertise and dedication of Ram Jack West, the home had been successfully restored, marking a remarkable achievement in the realm of foundation restoration.



**DON'T DO IT TWICE.
DO IT RIGHT.**™

RAM JACK WEST

www.ramjackwest.com
866-472-6522
SeaTac, Washington

INSTALLATION OVERVIEW

RESIDENTIAL INSTALLATION

RAM JACK WEST

PRODUCTS USED

6129 - 10" helix on 2 7/8 pile
8605 - 5' upset extension
4061.78 - fold up slab bracket
Rd.3177 - earless bracket

PRODUCT TYPE

REMEDIAL HELICAL PILES

TYPICAL APPLICATIONS

Ram Jack's 2.875" external connection helical piles are typically used in compression and tension applications.

 Proudly Made in America

ISO 9001:2015
CERTIFIED



ICC-ES RECOGNIZED



CCMC RECOGNIZED



Custom Engineered Solutions Rooted in Quality.



CCMC RECOGNIZED

ISO
9001:2015
CERTIFIED



ICC-ES RECOGNIZED

At Ram Jack®, we are focused on providing custom-engineered solutions that meet the unique needs of our commercial clients. You can move forward with confidence knowing we maintain code compliance, providing piles and brackets that reach the highest rating among competitors' products recognized by ESR-1854. Our company has the most products recognized by the ICC and boast an ISO 9001:2015 certified manufacturing facility.

We have the facility to design and fabricate custom products—we are the one-stop solution for engineers and even offer our own in-house engineers for assistance with your project. If you need assistance with foundation designs, we also provide engineer tools and resources and our engineers can work with the project's EOR to develop a custom-designed solution.



Everything an Engineer Needs

The Ram Jack Technical Manual provides engineers with the information that you will need to understand, design, and specify Ram Jack's helical and driven piles. It also provides information verifying compliance with current building codes and ICC-approved acceptance criteria.

Everything an engineer could ever want and need to know about Ram Jack Helicals and Driven Piles in one book. If you or your firm would be interested in a Ram Jack Technical Manual, please contact your local Ram Jack dealer by emailing info@ramjack.com.



DON'T DO IT TWICE.TM
DO IT RIGHT.