



RAM JACK[®]

2016 CASE STUDY

Type: Commercial | Issue: TX201602

Ram Jack Installs 18 Helical Piles to Support New Pre-fabricated Structures



FINISHED STRUCTURE



RAM JACK LOCATION:

Ram Jack Texas

www.ramjacksystems.com | 727-447-5502

Garland, TX

CASE STUDY 2016



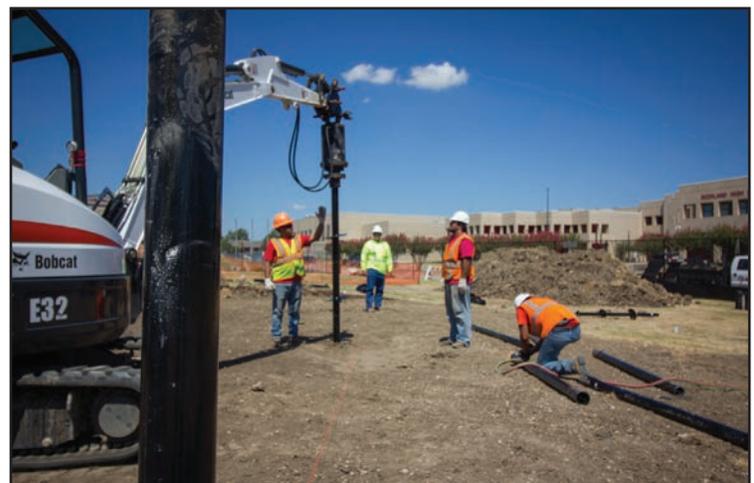
It is often difficult for schools to keep up with the needs of their students. Whether the issue is crowded classrooms, outdated sports facilities, or simply the need for more space, schools are often faced with finding creative ways to make the most out of limited resources. This was exactly the case at Haltom High School, which decided to expand its resources and install new pre-fabricated structures to create much-needed space for its vibrant, growing student population.

SITUATION

Haltom High School, North Richland Hills School, and Birdville Schools were working together on the project. They desired new pre-fabricated structures to be installed adjacent to the Haltom High



School track. However, they ran into some grading and foundation problems prior to building installation. The ground on which the buildings were to be installed was not level. Furthermore, the soil was soft, making soil settlement and corresponding building damage likely.



PROPOSED SOLUTION

Ram Jack proposed the installation of strategically spaced helical piles to provide an even, strong support for the forthcoming structures. Each pile would be driven to solid soil deep beneath the surface, thereby providing a reliable foundation on which the pre-fabricated structures can rest for years to come.



INSTALLATION OVERVIEW

Total # of Piles • 54

Products Used • #5430 3 1/2" dia. Helical Pile

Product Type • New Construction - Helical

Typical Applications • Ram Jack's new construction pile (Instant Pile) can be used with new grade beams, footings, and pile caps.



OUTCOME

First, Ram Jack graded the soil in the area, creating a smooth, flat region that was ready for helical pile installation. Ram Jack then installed 54 piles to depths ranging from 12-24 ft. as needed. When finished, a neat, geometric pattern of piles waited for the forthcoming pre-fabricated structures. The schools were more than pleased with the work done by Ram Jack, stating that they would contact Ram Jack again if they needed similar work in the future.



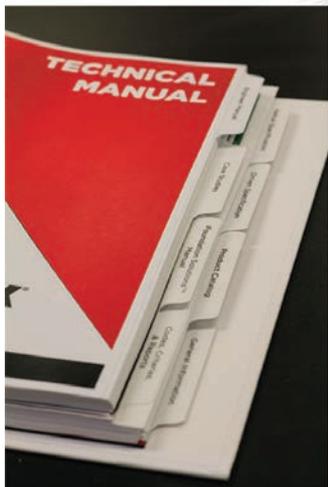
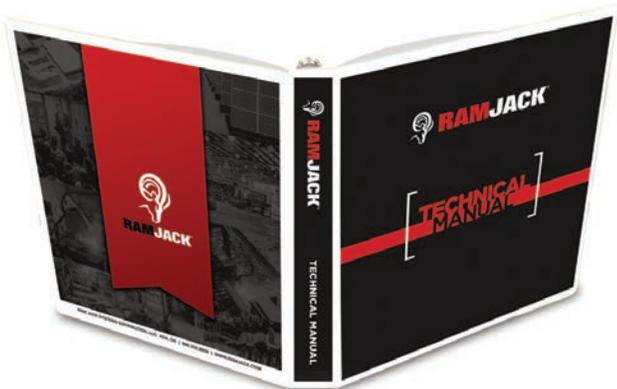
Custom engineered solutions rooted in quality.

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.



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



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.