



CASE STUDY

RAM JACK NEW CONSTRUCTION HELICAL PILES

SECURE MARINA

INSTALLATION OVERVIEW

Get more info on the ins-and-outs of Ram Jack products used.

ENGINEER RESOURCES

Find the back page of this case study for more information on engineer resources.

RAM JACK TRI STATES

www.ramjacktri.com | 800-852-1588
Newtown Square, Pennsylvania

283
HELICAL
PILES
INSTALLED!



More than Buoys Required: Ram Jack Steel Piles Secure Marina Ridley Park, Pennsylvania

At 401 S Swathmore Avenue, Ridley Park, Pennsylvania, the Ridley Park project was set into motion. A new restaurant was planned, and the team at Ram Jack Tri-States was commissioned to make it possible.

PROBLEM

The area where the restaurant was to be located was on a marina. Unfortunately, this marina was sitting at around 20 ft. off of the river ground water. This presented an immediate issue that Ram Jack knew had to be resolved before the new construction could get the green light. Once the issue was identified, Ram Jack worked with J Barbato and Associates for structural design assistance, as well as DoLente & Sons for professional concrete work.

PROPOSED SOLUTION

Scott MacKay from Ram Jack Tri-States quickly determined the need to install a total of 283 Helical Piles (of 3 1/2 in. shaft dia. each) in order to effectively support the pile caps. They would also need to install grade beams and a structural floor to

maintain the safety, strength, and longevity of the structure.

OUTCOME

Ram Jack's proposed solution went precisely according to plan with no mishaps or errors. Ram Jack successfully installed a total of (283) 3 1/2 in. dia. helical piles, with an average pile depth of 30 ft. This pile installation process took a total of two months, with on-and-off work periods performed in phases. J Barbato and Associates efficiently handled the entire structural design process, and DoLente & Sons managed all concrete work flawlessly. Loads included 37 kips (allowable) and 74 kips (ultimate). This new construction project was officially declared complete, and the river ground water situation was no longer a pressing issue. The restaurant could be built without any further concerns surrounding structural integrity.

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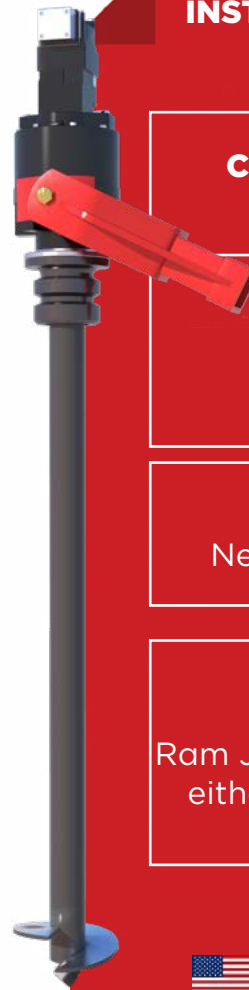
INSTALLATION OVERVIEW

Commercial Installation
Ram Jack Tri-States

Products Used
3 1/2" Helical Piles

Product Type
New Construction - Helical

Typical Applications
Ram Jack's helical can be used in either tension or compression



ISO
9001:2015
CERTIFIED



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www.ramjacktri.com

800-852-1588

Newtown Square, Pennsylvania

Custom Engineered Solutions Rooted in Quality.



CCMC RECOGNIZED

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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.



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