



CASE STUDY

TN201701

Custom Pool Foundation

Ram Jack Designs Custom Pool Foundation for The Breakers of Swan Bay.

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.

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Milan, Tennessee

77
HELICAL
PILES
INSTALLED!



The Breakers of Swan Bay

Buchanan, Tennessee

The Breakers of Swan Bay, condos on the Tennessee River, had a community swimming pool installed approximately six years ago. Built on approximately 12 in. of fill material, the pool had settled close to six inches over a six-year period. Poe Engineering contacted Ram Jack Tennessee for help solving this problem.

PROBLEM

After losing 1,000 gallons of water per day due to settlement and numerous patches, Ogden Pools involved Poe Engineering in helping design a new foundation for a new swimming pool. Poe contacted Ram Jack Tennessee for help in installing new-construction helical piles prior to the pool foundation being placed.

PROPOSED SOLUTION

The current pool was to be demolished and replaced with a new pool. Working with Poe Engineering and Ogden Pools, Ram Jack Tennessee experts determined the ideal solution was to embed (48) 2 7/8 in. helical piles into the

grade beams around the pool foundation and grade beams on a grid through the middle of the pool area. Additionally, the installation of (29) 2 3/8 in. helical piles under the pool deck would use a custom-designed bracket to hold the new plumbing in place.



OUTCOME

Ram Jack worked in conjunction with Ogden Pools to complete the construction of the new foundation. Due to heavy rains at the scheduled time of installation, the project had to be completed in two phases. During the first phase, (48) 2 ⁷/₈ in. helical piles were installed over the course of two days. The second phase was completed two months after phase one and included the installation of the (29) additional 2 ³/₈ in. piles. Mr. Glen Ogden, of Ogden Pools, was grateful for the help to complete his job. Mr. Kevin Poe, of Poe Engineering, stated, "Job well done."



INSTALLATION OVERVIEW

Commercial Installation

Ram Jack Tennessee

Products Used

2 ⁷/₈" Helical Piles

2 ³/₈" Helical Piles

Product Type

New Construction - Helical

Typical Applications

Ram Jack's helical lead sections can be used in either tension or compression



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Milan, Tennessee

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.

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DO IT RIGHT.**

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