



# TAR HEEL PIERING SYSTEMS, LLC

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Project: Ravenel Custom Homes, Charleston, SC. Structural Support for Addition.

Contractor: Tar Heel Piering Systems

Classification: Residential/ Addition

Project Date: February 25th, 2008

Piers Used: (9) 8-10-12 galvanized starters, installed to 56' in depth each, using all 7' extensions.

Total Installation Time: 2 Days

Sitting on the beautiful marsh of the Wando river, which flows directly into the Atlantic Ocean, Ravenel Custom Homes was ask to build an 600 sq ft addition for a client. The original house was built, over 4 years ago, using piles to support the foundation. Due to the potential of to much vibration, limited access to the site, and a high water table, the Engineer designed helical piercing as the means of supporting the addition. Since the project was so close to salt water and the soil had such a high value of salinity, all of the material would need to be galvanized.

Using Fasteels 8,000 ft lb, 8-10-12 helical's with 7' extensions, 9 Piers were installed to 56' in total depth. The installation was completed using a pengo 6500 ft/lb drive head attached to a PC-40 Komatsu mini excavator. The builder was in a bind and had to complete the foundation part of this project very quickly. From the time of the original phone call to Tar Heel Piering from Ravenel Custom Homes, Fasteel had the piers delivered and Tar Heel Piering had began the installation in 6 working days. The total cost of the piercing project was under what the builder had budgeted and the timeliness of Fasteel Inc and Tar Heel Piering to complete the job was a pleasant surprise to Ravenel Custom Homes and their very loyal client.

Bad soil conditions and tight construction access can make projects like this seem impossible. With Fasteel Inc and Tar Heel Piering, the project can not only be completed in a very timely manner but can also be very affordable to the end user.

