



# SAINT JOSEPH CATHOLIC CHURCH

CASE STUDIES | TX202104

## PROBLEM

The church consisted of a pier & beam foundation with a concrete perimeter beam and wood floor system. The beam and floor system were supported on concrete piers that had shifted and failed. Other companies attempted to repair the foundation over the years with very poor results as their solution was to raise the wood beams and exterior walls off of the concrete perimeter beam and place their load on concrete blocks bearing on the surface of the soil.

**26** HELICAL  
PILES  
INSTALLED

**COMMERCIAL**

**RAM JACK TEXAS**

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Heavy rains during the spring and early summer of 2021 delayed the start of this project. When the weather finally cooperated, Ram Jack crews were able to install the required helical piles and raise the exterior beam 12 to 15 inches.

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## PROPOSED SOLUTION

Over several months of discussion with Austin archdioceses and church members along with consulting for Fortified Engineering Solutions, a plan was finalized to sever the existing concrete piers attached to the perimeter beam, remove the concrete blocks installed by the other companies and install 26 exterior Helical Piles to lift and support the foundation.



## OUTCOME

The church was raised with no damage to stained glass windows around the exterior of the church. Multiple church members commented that they were amazed at the end result. They couldn't believe that Ram Jack was able to do such a fantastic job and finished a day early.



## INSTALLATION OVERVIEW

### COMMERCIAL INSTALLATION

RAM JACK TEXAS

### PRODUCTS USED

2.875" Helical with 8' 10' Threaded Connection  
4021 Remedial Bracket  
4387 7' Extensions

### PRODUCT TYPE

EXTERIOR PILES

### APPLICATIONS

Piles were installed with 36 kips allowable 73 kips ultimate. Embedment depth of the piles averaged 35 feet below grade.

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.

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

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