



# TREE WRAPPED WOODEN DECK

CASE STUDIES | TX202101

## PROBLEM

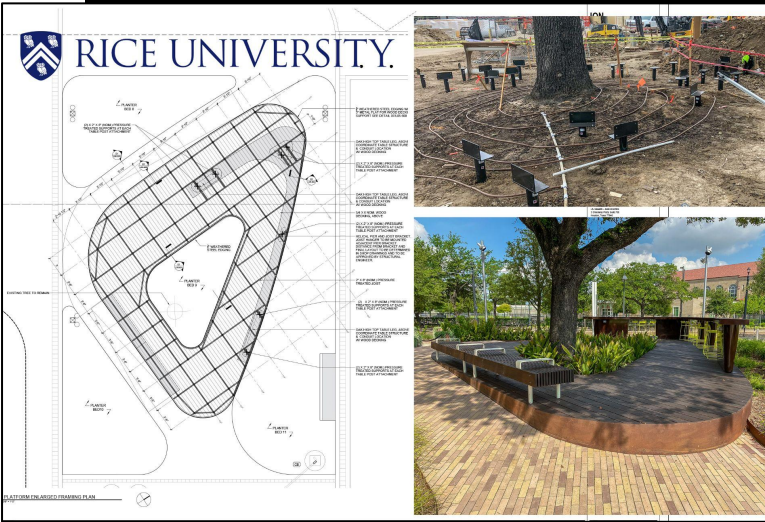
This is a large wooden deck foundation project for Rice University near downtown Houston, Texas. Walter P. Moore and Associates designed helical supports for two separate 2'x 8' wooden decks that surrounded two large oak trees. Because of the small working space and the trees root system, the Ram Jack helical pile was a great solution.

**160** HELICAL  
PILES  
INSTALLED

## COMMERCIAL

**RAM JACK TEXAS**

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An arbor was called in to locate the root systems of the trees. The roots made the lay-out of the helical piles challenging but Ram Jack was able to deliver with no damage to either tree.

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## PROPOSED SOLUTION

Once the arborist came out and located the root system, Ram Jack got started on a plan of action. Ram Jack's design placed the helical piles in precise locations to avoid causing any damage to the roots of the trees while also helping to create the seating area the college was looking for.



## OUTCOME

During the project Ram Jack installed (160) 2 7/8" TC piles with a 7k driver and a minimum installation torque of 1,600 ft-lbs. The piles had an average depth of 21'. The bracket was a 4079 New Construction bracket and the contractor welded a Simpson Bracket to attach the 2"x 8" supports. Ram Jack scheduled (8) days to complete the project and the crew completed the project in (4) 11hr days. Ram Jack only had to move one pile a couple of inches to avoid the root system of one of the trees. The Contractor was grateful that Ram Jack was able to finish the project early.

## INSTALLATION OVERVIEW

### COMMERCIAL INSTALLATION

RAM JACK TEXAS

### PRODUCTS USED

6129 - 10" on 5' 2 7/8s helical pile  
New Construction Bracket (4079)  
Simpson Bracket

### PRODUCT TYPE

EXTERIOR PILES

### TYPICAL APPLICATIONS

Ram Jack's 2 7/8" external connection helical piles can be used in tension or compression.



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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