

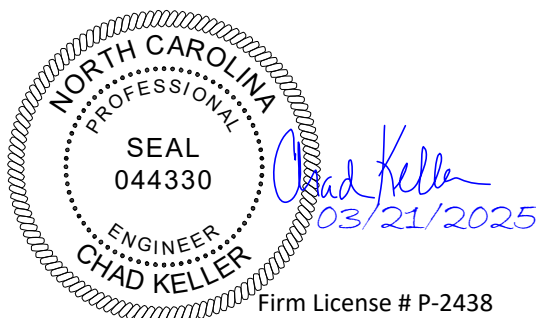
Date: March 21, 2025  
Project: Horne Residence  
Address: 16 Starboard Tack  
Sanford, NC 27332

### Helical Pier & Push Pier Support System – Completion Report

This report is prepared for Southeast Foundation Repair (contractor) by FDN Engineering (engineer). Helical piers and push piers were installed at the above referenced project. The foundation support system is intended to stabilize and potentially lift the existing foundation – reducing pressure on existing soils. The approved design instructed the contractor to install helical piers, push piers, brackets, and all related components per the support manufacturer’s current installation instructions and technical manual, as well as industry standards. See approved engineering report for the design and details of the helical pier and push pier support systems. See page 2 for the field logs provided by the contractor.

The contractor has provided all available field data and engineer has performed a remote visual inspection. Reference contractor’s field logs for more information. Upon review, the installed supports conform to the intent of the approved design and there are no known outstanding non-compliance items.

Our inspection services do not constitute a warranty or guarantee of any type and were provided with the intent of helping reduce the risk of construction defects, deficiencies, or omissions that may arise during and after construction. It is the contractor’s responsibility to perform their work in accordance with the approved construction documents. To the best of my professional knowledge, the design of the helical pier and push pier support systems conforms to the structural requirements of the 2018 North Carolina State Building Code to the extent that it applies to our scope of work.



*Larry Janesky's*  
SOUTHEAST  
**FOUNDATION**  
& CRAWL SPACE Repair

Name: David Horn  
Address: 16 Starboard Tack Sanford  
Date: 2/21/25

### Helical Pile Installation Log

Pile #'s: 7  
Torque Motor Make/Model #: Pro diggs  
Installed Pile(s) Model #: HP288  
Installation Torque Coefficient: 49

Foreman: Kevin Helms  
Project Start Date: 2/17/25  
Project Completion Date: 2/22/25

Pile Number	Description of Lead	Pile Length	Pile IN	Pile OUT	Diff Pressure	Torque	Ultimate Pile Capacity	Cut-off Length	Complete Pile Length	Pile Depth	Comments
1	lead 8x10	7	1800	200	1600	4806	43254		7	9	
2	lead 8x10	7	1700	200	1500	4504	40554		7	9	
3	lead 8x10	7	1900	200	1700	5167	45967		7	9	
4	lead 8x10	7	1800	200	1600	4806	43254		7	9	
5	lead 8x10	7	1800	200	1600	4806	43254		7	9	
6	lead 8x10	7	1700	200	1500	4504	40554		7	9	
7	lead 8x10	7	1800	200	1600	4806	43254		7	9	

### Push Pier Installation Log

Date: 2/21/25

Customer Name: David Horn

Crew Leader: Kevin Helms

Address: 16 Starboard Tack

Cylinder: Red / Gray

#### Sections Driven

Tube #	Depth	Pier 1	Pier 2	Pier 3	Pier 4	Pier 5	Pier 6	Pier 7	
Starter	4'2"	1000	900	900	1000	900	800	900	
1	7'2"	1400	1200	1100	1400	1300	1200	1300	
2	10'2"	1600	1500	1200	1600	1700	1600	1500	
3	13'2"	2800	2900	2800	3100	2800	2800	2700	
4	16'2"								
5	19'2"								

The above information is the field logs provided by the contractor.

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