

Greg A. Brooks, P.E.
PO Box 2373
Freeport, TX 77542

June 14, 2024
(979)229-0068

HOUSE LEVELING FINAL INSPECTION REPORT: JOB NO. 24-LJ140

LOCATION: 314 Rosemary
Lake Jackson, TX

CONTRACTOR: D Square Foundation Repair
Angleton, TX

DATE OF PILE INSTALLATION & LEVELING: June 11, 2024

INSPECTIONS PERFORMED:

May 20, 2024 - Initial Inspection
June 11, 2024 - Final Inspection

CONCRETE SPEC:

All pile sections are pre-cast, 6000 psi at 28-day performance, non-reinforced concrete.

PILES:

8 perimeter pressed piles were placed at the positions, and in accordance with the details and specifications, shown on the attached drawing. Each pile consists of 6" x 12" concrete sections, with the number of 6" x 12" sections varying with driving resistance. Pile sections were installed by hydraulic ram using the weight of the house to provide the driving load. Installation of each pile was to the depth at which the driving started to lift the foundation. All piles were completely driven prior to leveling of the house. Concrete capstones were placed on top of the piling sections, from which the house was jacked to a level position. After leveling, two 6"x 12" concrete cylinders were placed on the capstones and shimmed against the grade beam with steel shims

COMMENTS:

The job meets all standard engineering practices, and the undersigned engineer's specifications. This repair work should stabilize the repaired area of the foundation to its intended function for the life of the structure. It is recommended that the owner have a plan to water around the base of the foundation during dry weather conditions. This will help avoid the need for additional foundation repairs. I have provided the service in a professional manner that meets generally accepted practices in residential construction. My entire warranty and liability will be limited to the payment received for my work performed.

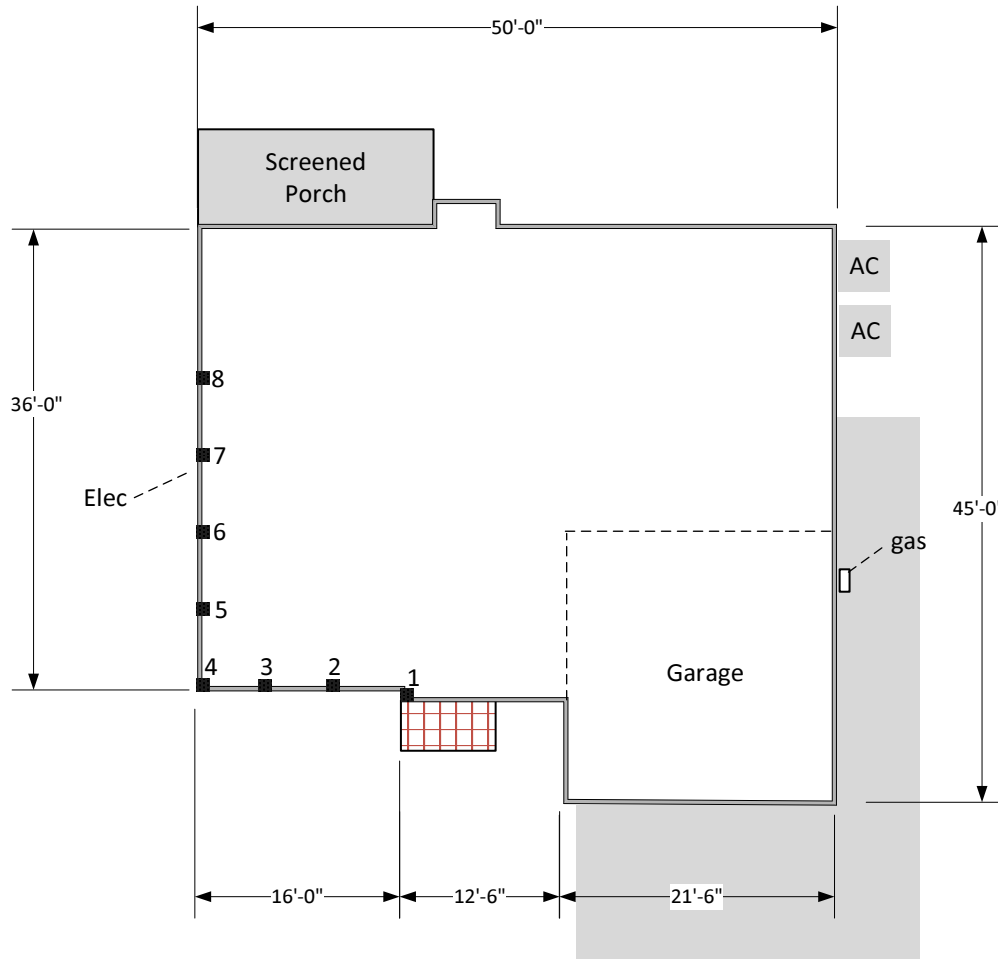
Respectfully submitted,



Greg A. Brooks, P.E. #114197
F-15269

6/14/2024



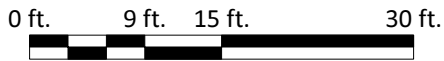


■ Completed Pressed Piles

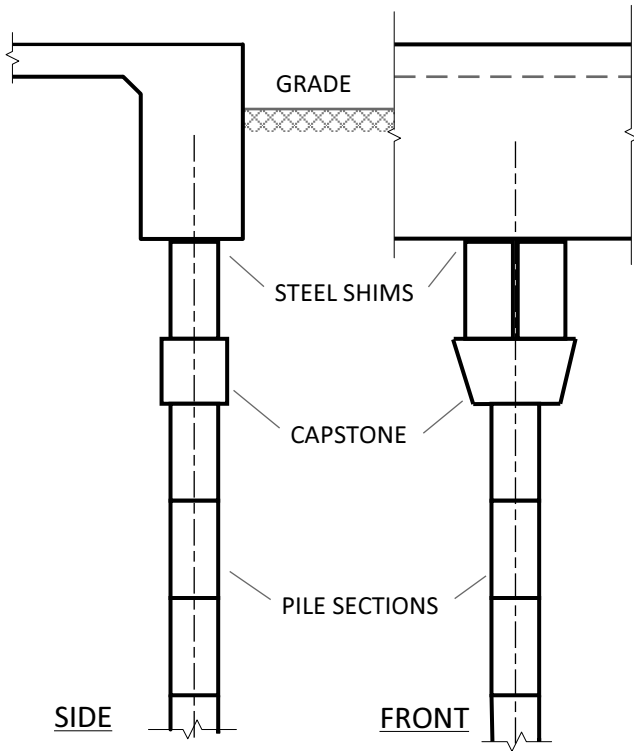
Pile Placement

Piles 1-4 placed on 5'-4" centers
 Piles 4-8 placed on 6'-0" centers

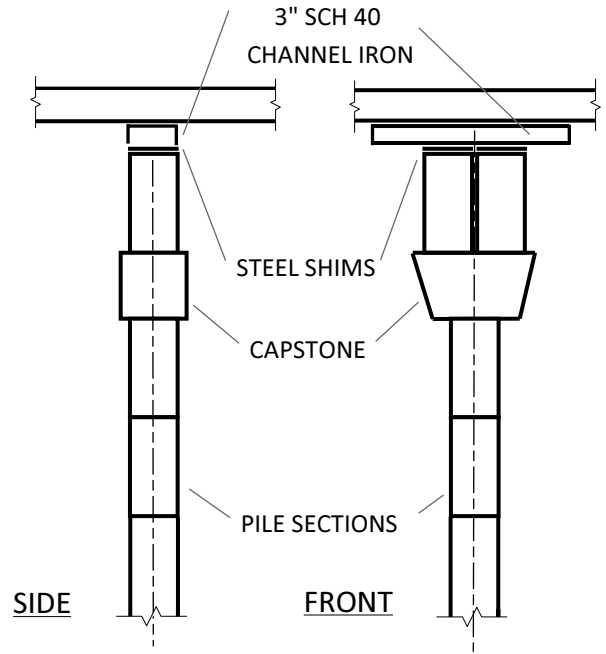
6/14/2024



Firm Reg. # F-15269 This document is the property of G A Brooks Engineering LLC, and the information contained within is confidential and privileged. It may not be copied or distributed without written consent from G A Brooks Engineering LLC.				
		<u>Completed Foundation Repair</u> 314 Rosemary Lake Jackson, TX		
PO Box 2373 Freeport, TX 77542	SIZE L	JOB NO	DWG NO 24-LJ140-01	REV 0
gregbrookspe@yahoo.com (979)229-0068	SCALE 1in = 15ft. 0in.	SHEET	1 of 2	



SLABS WITH GRADE BEAM



SLABS WITH NO GRADE BEAM

NOTES:

1. Piles shall be placed at a maximum of 8'-0" in single story areas, 6' 0" in two story areas.
2. Pile sections shall consist of 6" diameter x 12" long cylinders. Square or rectangular blocks will not be permitted for use as pile sections.
3. Pile sections shall be installed by jack or hydraulic ram using the weight of the structure to provide the driving load.
4. Piles shall be driven until the foundation starts to lift or the driving load exceeds 6,500 psig
5. Elevate foundation on hydraulic jacks, hold in place with steel shims placed on top of 6" diameter cylinders placed on top of a rectangular solid 6"x6"x12" concrete capstone
5. Contractor to verify underground obstructions, and obtain required permits before beginning job.
6. After leveling, fill voids created, backfill holes and replant where applicable



5/20/2024

Firm Reg. # F-15269 This document is the property of G A Brooks Engineering LLC, and the information contained within is confidential and privileged. It may not be copied or distributed without written consent from G A Brooks Engineering LLC.			
PO Box 2373 Freeport, TX 77542		<u>Pier Detail</u> 314 Rosemary Lake Jackson, TX	
SIZE	JOB NO	DWG NO	REV
L		24-LJ140-02	0
SCALE	1in = 15ft. 0in.	SHEET	2 of 2
gregbrookspe@yahoo.com (979)229-0068			