



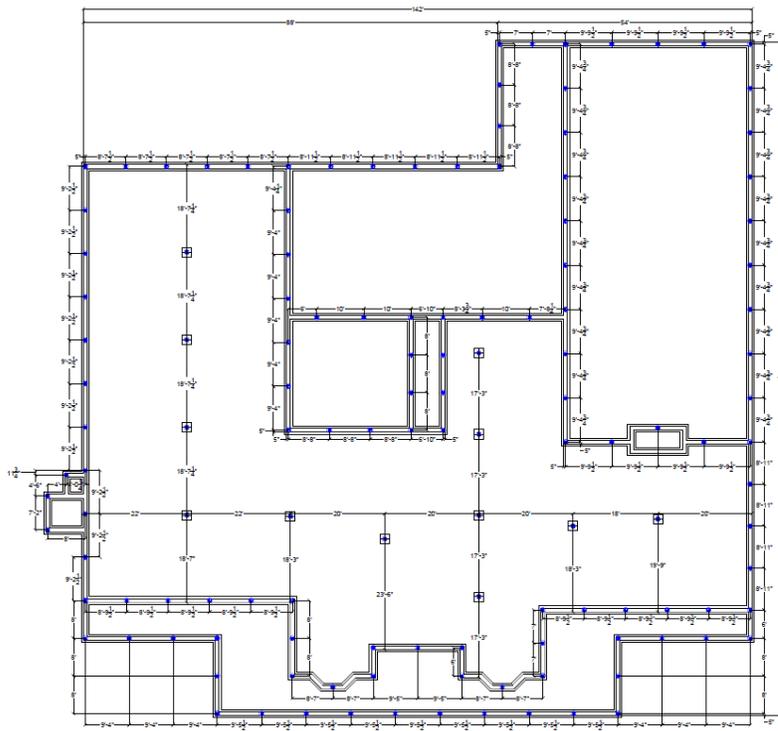
CASE HISTORY

SAFEBASE™ 2.875" STANDARD DUTY HELICAL PIERS

131 HELICAL PIERS INSTALLED IN 9 DAYS, LAKEVILLE INDIANA



A&M Home Services was contacted by Heritage Builders regarding a new foundation to be designed for a home in Lakeville, Indiana using helical piers. SafeBasements created a set of plans which were approved for the project. The plan consisted of 131 SafeBase 2.875" OD Standard Duty Helical Piers to be used to support the footings for the home. The project started in August of 2018 and was completed in nine days.



HELICAL PIER DESIGN CRITERIA
 The estimated combined live and dead load is 3,300 pcf. This results in a load of approximately 33 kips per pier. The SafeBase 2.875 OD Helical Pier has an ultimate capacity of 117 kips. Each pier must be installed to a minimum torque of 7,400 ft-lbs, such that the bearing capacity is 66 kips. Resulting in the bearing capacity having a minimum factor of safety of 2.

1 HELICAL PIER PLAN
 Scale: 1/8" = 1'-0"

Project Name	Sluggs Residence
Location	21320 Surface Ave Lakeland, IN 46536
Client	AS&M Safety, Inc. Foundation Repair Products
Drawn By	AS&M
Approved By	AS&M
Date	06/27/2018
Scale	1/8" = 1'-0"





A decision was made to raise the grade throughout the whole home to keep the footings out of the water table. Six inches of #8 aggregate was then added to the base. The piers were installed to depths ranging from 14 to 21 feet at a torque of approximately 7,400 ft-lbs per pier, resulting in the piers having an ultimate capacity of 66.7 kips per pier. The foundation will now be safe to support the home for generations to come.



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