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CASE STUDY

Gamma 2 Company Warehouse

Sweetwater, TN

Installer: Ram Jack Eastern Tennessee • Knoxville, TN • 866 735-3085

Problem:

The Gamma 2 Corporation contacted Ram Jack Eastern Tennessee in August 2017 to discuss possible remediation of their 10,000 square foot facility. The structure had been experiencing severe foundation settlement resulting in slab breakage and exterior wall “stair-step” separations.

Solution:

A Ram Jack Consultant completed an on-site investigation noting the extreme floor loads imposed by storage of chemical drums and large equipment within the building. Elevations were noted and a piling plan utilizing 16 (sixteen) 2-7/8” helical piles with a two flight arrangement of 10” and 12” helix discs was proposed. The company representative was pleased with the proposal and agreed to commence with the installation in early October 2017.

Conclusion:

The installation team arrived on site on October 3, 2017 and began excavation of the foundation footer in the locations proposed by the piling plan. Installation proceeded over the course of two days. The 16 piles were installed without incident to an average depth of 25 feet. Installation pressures were noted at approx. 3200 psi and 7900 lb/ft of torque resulting in an ultimate capacity of 71,000 lbs per pile. Final technical and aesthetic approval was granted on October 6, 2017. The structure was returned to service with remediation and stabilization of the previously observed slab and wall damages.



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