



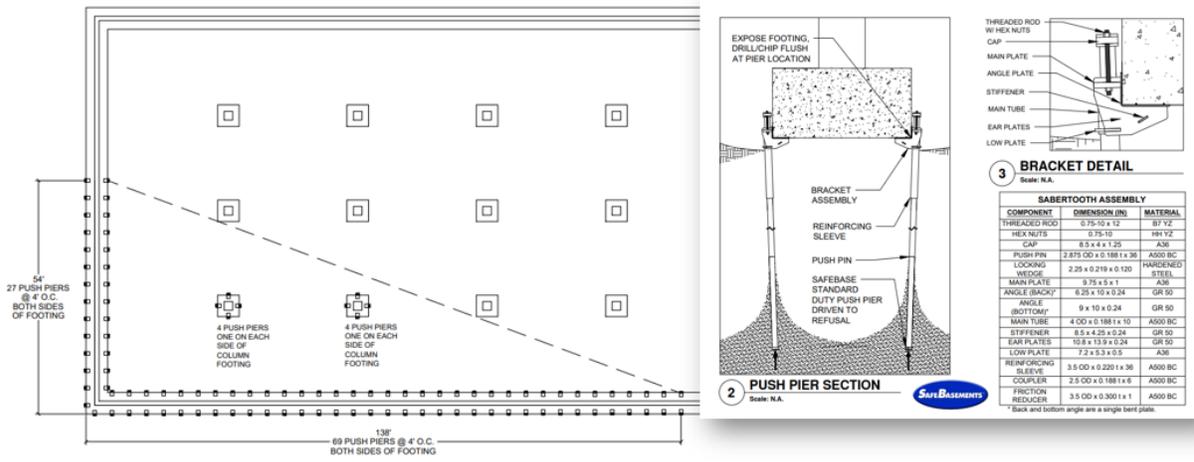
# CASE HISTORY

SAFEBASE™ PUSH PIERS

## 6920 POINTE IVERNESS WAY, FORT WAYNE, IN



A & M Home Services was contacted regarding settlement issues in the corner of the multi-story commercial building located in Fort Wayne, IN. A & M performed a site survey and found the south east corner of the building was down approximately 2 inches. A & M contacted SafeBasements to help put together a plan for piercing the structure. The plan consisted of SafeBase Push Piers being installed 4' on center on both sides of the south and eastern walls.



### 1 FOUNDATION REPAIR PLAN

Scale: N.A.



|  |                |   |  |
|--|----------------|---|--|
| PROJECT LOCATION   | <b>A&amp;M</b> | A & M SAFEBASEMENTS<br>66050 US 31<br>LAKEVILLE, IN 46536<br>574-855-1050 |  |
| Hil Slager<br>6920 Pointe Iverness Way<br>Fort Wayne, IN 46804 |                |   |  |

**PUSH PIER DESIGN CRITERIA**  
THE MAXIMUM ESTIMATED COMBINED LIVE AND DEAD LOAD IS 12,000 PLF. THIS SPACING RESULTS IN APPROXIMATELY 24 KIIPS PER PIER. THE 2.875" OD SAFEBASE PUSH PIER HAS AN ALLOWABLE CAPACITY OF 34.3 KIIPS. EACH PIER MUST BE INSTALLED TO A MINIMUM PRESSURE OF 5,000 PSI, SUCH THAT THE BEARING CAPACITY IS 48 KIIPS. RESULTING IN THE BEARING CAPACITY HAVING A MINIMUM FACTOR OF SAFETY OF 2.



Excavation was completed on both the exterior and interior of the building. On the exterior a trench was dug along side the footing, and on the interior holes were pocket dug at each pier location. The piers were then installed using a hydraulic ram to a depth of approximately 28 feet with a force of 48,000 lbs per pier.



Many of the windows in that area had been replaced after the settlement had occurred so it was decided not to lift and just to permanently stabilize the foundation. A total of 81 SafeBase Push Piers were installed. The project was completed in August of 2022.

# A&M

[www.roofsandbasements.com](http://www.roofsandbasements.com)

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# SAFEBASE™

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