



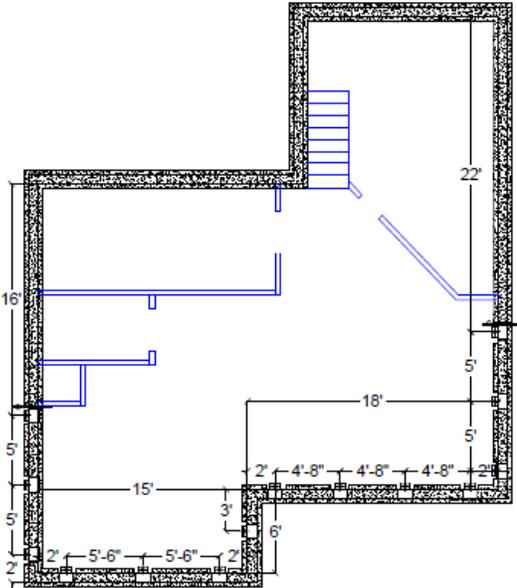
CASE HISTORY

SAFEBASE™ 2.875" STANDARD DUTY PUSH PIERS

AN END TO CONTINUAL CRACK REPAIR USING SAFEBASE™ PUSH PIERS



The RealSeal was contacted regarding concerns of cracks in foundation walls that would re-open each year after being repaired, allowing water to enter the home. It was found that the underlying issue of the cracks was a settling foundation. A plan was made to underpin the foundation with SafeBase™ Push Piers. Due to recent remodeling, including new windows, the decision was made to stabilize the foundation and not lift it back to level.





SafeBase 2.875" Standard Duty Push Piers were installed on both the interior and exterior of the home, 11 on the interior and 3 on the exterior. The piers were installed to depths ranging from 34 to 52 feet, with an average depth of 42 feet.



After the piers were installed two foundation cracks were repaired using a combination of hydraulic cement, epoxy crack injection, and exterior waterproofing. With the foundation stabilized the cracks will not reopen.

The estimated load of the structure on each pier was 12 kips. Each pier was installed with a force of approximately 43 kips, resulting in a factor of safety equal to 3.6. A total of 14 SafeBase™ 2.875" Standard Duty Push Pier and Bracket Assemblies were used. Installation was completed during the month of September, 2016. With the foundation repair completed, the home will stay level and dry for years to come.



www.therealseallc.com

The Real Seal, LLC
1107 Lunt Ave, Unit 8
Schaumburg, IL 60193
(847) 756-7987



www.safebasementsinc.com