



Engineer: Residential Structural Inspection PE (316) 686-9876

PROJECT SUMMARY **United Instruments, Inc.**

Project Description: The Southwest corner of this two-story office had settled approximately 1". The settlement was due to poor surface drainage conditions and water infiltration from a settled sidewalk adjacent to the building, which was allowing water to stand and migrate under the building. The settlement had also caused the concrete floor adjacent to the wall to settle and crack.

Design Details: Power Lift worked with engineers to design a repair plan for the lift and stabilization of the perimeter foundation. Eight steel piles were installed on the south perimeter wall and a pile was installed on both sides of the passage door on the west side. Twelve interior slab support piles were also installed to lift and support the floor slab. Using

the synchronized Power Lift system, the perimeter foundation and slab were both raised back to their original position. After the slab was lifted and re-supported the void between the slab and soil was filled by mudjacking to assure the slab was fully re-supported.

