

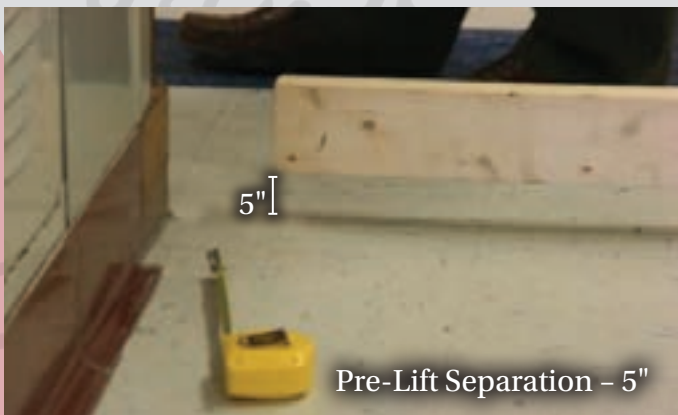
Project Manager: Unified School District No. 259 | Chris Schaeffer (316) 973-2021
Engineer: MKEC Engineering Consultants, Inc. | James A. Jantz, PE (316) 684-9600

PROJECT SUMMARY

Isley Elementary School

Project Description: The inner foundation walls of the school settled over 5" making the classroom doors inoperable and the floors of the hallways to slope severely.

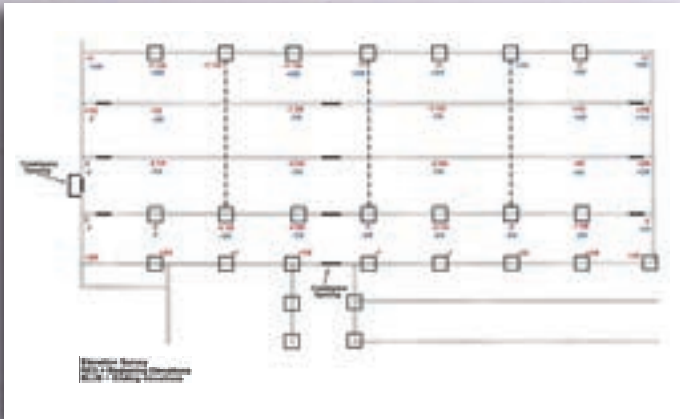
Design Details: Power Lift steel piles were chosen over other foundation repair options because of the ability to produce a synchronized uniform lift. During the design phase of the project, Power



Pre-Lift Separation - 5"



Post Lift - Complete Recovery



PROJECT SUMMARY — ISLEY ELEMENTARY SCHOOL (CONTINUED)

Lift was required to overcome height restrictions for installation of the piles. The subsiding area of the school consisted of crawlspace foundation construction. The height of the crawlspace was 5' from ground level to subfloor. All piles were installed under the floor in the crawlspace area using Power Lift Foundation Repair's patented systems. Power Lift installed 47 piles with ultimate capacities near 100 kips and interlinked them to form a synchronized and unified lifting system.

Once lifting began, complete elevation recovery was achieved, as the foundation was raised more than 5" back to its original position.

Lifting Process: A 16' - 2" x 4" was leveled and set across the school's hallway to monitor the floor during the lifting process.

The school was lifted over 5" and the repair work was completed with no interruptions to the operation of the school.

The settlement had caused severe damage to the interior block partition walls. Cracks in the block walls closed once elevation recovery had been achieved. As a final step, the cracks were tuckpointed and the masonry restored.

