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## PROJECT SUMMARY

### Butler County Community College

**Project Description:** The concrete slab floor of the college had settled  $\pm 1-1/2"$  causing offset areas in the floors, which posed tripping hazards. Also, numerous doors to classrooms and offices would not function properly.

A geotechnical firm performed tests on the underlying soils and found the soils to be saturated from poor drainage conditions and a leak in the sanitary sewer system.







Synchronized – Manifold lifting system during the lift

## PROJECT SUMMARY — BUTLER COUNTY COMMUNITY COLLEGE (CONTINUED)



**Design Details:** The Power Lift system was chosen over other methods because of its ability to synchronously and uniformly lift 98 piles at one time. Also, the crew met a 3 week time restriction required by the owner. To meet the dead line and not interrupt school activities, the project was broken down into two phases. Power Lift started with Phase 1 and then moved on to Phase 2 installing a total of 41 slab piles and 58 under wall piles. Complete elevation loss was restored during the lift and the project was completed within the owner's time frame.



Lift system pre-setup