



General Contractor: Moreland | Ross Builders, Inc. | Ed Tucker, Superintendent

PROJECT SUMMARY

Peoples Bank of Nixa

Project Description: At the time of the building's original construction, the basement was over excavated to allow forming of the basement walls. The entrance, which did not bear on the basement, was constructed on poorly compacted basement backfill. Shortly after completion of the building, the corner of the entrance settled approximately 1-1/4 inches, causing exterior cracks and the slab floor to slope.





PROJECT SUMMARY — PEOPLES BANK OF NIXA (CONTINUED)

Design Details: Power Lift installed 6 driven steel piles under the corner section of the entrance to halt the ongoing settlement. The steel pile concept was chosen for its strength & bearing capacity. During the design phase of the project, Power Lift discovered that the basement footing, which was 14 inches thick, protruded away from the basement and extended under the entry foundation, 9 feet



below grade. To overcome the problem, Power Lift designed a casing that was driven to the top of the footing, where a 5 inch hole was cored to allow the pile to penetrate the footing. The piles for this project were driven 32 to 35 feet to rock, and consisted of a load transfer sleeve seated to a depth of 20 feet with the primary pile driven to the final depth.