



Owner: McAdoo SRO, LP
General Contractor: PPT, Inc. | David Pattridge (318) 222-2225
EOR: Smith Engineering | Brian Smith (318) 741-1088
Completion Date: January 2012 | Contract Amount: \$299,844
Maximum Pile Load: 94 kips

PROJECT SUMMARY McAdoo Hotel, Shreveport, LA

Project Description: This 3-story building, constructed in 1920, has a masonry exterior with a concrete frame supported with concrete spread footings. Originally named the York Hotel



it later became the McAdoo Hotel and served as housing for returning servicemen in WWII. Over time, differential movement occurred due to consolidation of the highly plastic clays, causing distress in the exterior walls.

Subsurface Conditions: Highly plastic clays were present to depths of more than 50'. Testing revealed the soils were very desiccated to depths beyond the footing depths.

Design Details: When the owner decided to renovate and restore this historic building, the need for foundation repair was evident. Brian Smith of Smith Engineering Co. Inc., evaluated the building and developed the underpinning solution, in consultation with Power Lift.



PROJECT SUMMARY — McADOO HOTEL, SHREVEPORT, LA (CONTINUED)



The high loading of the perimeter spread footing required that helical piles be spaced 3' 6" apart, and would need to develop high capacities. Of particular interest, this job required that all piles had to be lifted simultaneously to prevent damage to the historic masonry exterior. This was easily accomplished by utilizing Power Lift's patented synchronized lifting system. The building was lifted and the footing was permanently re-supported with Power Lift Helical piles.

