

# United Structural Systems Ltd., Inc.

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## PROJECT Lexington, KY. 40515

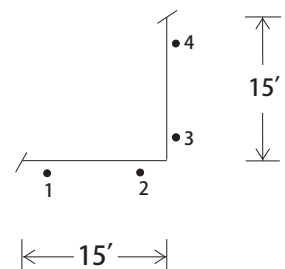
Structure Age: Twelve years  
Fill: Clay  
Piering System Installed: Perma Jack  
Number of Piers Installed: 4  
Average Spacing of Piers: 7 feet  
Average Depth of Pier: 18 Feet



Perma Jack system installed to correct - 3 3/4" settlement in North/East corner of structure. East wall had rotated out 1 1/4" and corrected to 1/4" without causing additional damage to structure. Settlement on North wall was corrected to 3/4" Lift was stopped to prevent additional damage if grade beam was carried back to original elevation. Structure was stabilized and aesthetic repairs were made.

The floor in North/East corner of structure had dropped 2". The aggregate was removed two feet from interior walls, allowing the exterior walls to rotate back when lift was applied.

#	PSI	Depth	A <sup>1</sup>	A <sup>2</sup>
1	4000	18'	- 1/4"	0
2	4000	18'	- 1/4"	0
3	4000	18'	-3 3/4"	-1
4	4000	18'	-3 3/4"	- 3/4"



August 06, 2000