



Relocation of Loras Hall

University of St. Thomas





STUBBS BUILDING MOVERS

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Date: August 3, 2016

Dear Jim,

Thank you for contacting Stubbs Building Movers regarding the feasibility of relocating Loras Hall on the University of St. Thomas campus.

After looking at Loras Hall, I would like to point out a few important features that are relevant to the moving process. The building was built, as many are from this time period, with a three-brick-construction method for the exterior walls. The building also consists of two hallway walls starting in the basement and continuing up to the roof. The hallway walls are constructed with the three-brick-construction method with a tie row, these are different from the exterior walls in that they have two rows tied and the exterior row are not tied in the building. This method leaves an approximate one-inch air gap between the walls. Another consideration is that the ties are made from metal straps. Over the years, the metal straps have a tendency to rust off which calls for additional bracing.

The floor system is dove tailed into the exterior brick and placed on the stone wall in the basement then infilled between. These hallway walls are stone in the basement and at the first level change over to brick. This building has partitions at roughly every 14 feet with door openings.

Loras Hall would be able to be moved.

The moving method to move the building the one hundred foot distance to the west would be on rollers. This process would involve using bracing framework on the exterior walls along with cross ties from side to side and additional interior bracing to help stabilize the walls. The elevator should be able to be pulled up and carried along in the process.

In order to carry the building a grid work of steel beams would be installed under the building. The grid work would consist of the following: four main beams that are the full length of the building and another layer of beams that are termed "cross steel." These are placed about every four feet the full length of the building along with another deck above the cross steel to hold the floor system.



The time period for moving Loras Hall with the bracing, excavation, saw cutting, placing of beams, and moving of the building is approximately six to seven months. The price to complete this project would be in the range of two million four hundred thousand dollars to two million eight hundred thousand dollars (\$2,400,000.00 - \$2,800,000.00). In order to give a firm price, more engineering work would need to be done and a complete bracing plan would need to be finalized, along with consulting an elevator company to make sure the lower level elevator shaft would be able to be rebuilt or reused. The cost to do this would be six thousand five hundred dollars (\$6,500).

Sincerely,
Larry Stubbs
Stubbs Building Movers

