

2005 AWARDS COMPETITION WINNER



Heaviest Building Moved On Rubber-Tired Dollies



Beyl-Davenport House Moving, Inc.

Stillwater, Oklahoma




Dennis Beyl

Evergreen Investment Building, Lebanon, MO

The 8,200 square foot structure, 72' W x 113' L x 30' H weighing 387 tons was relocated to make way for a Lowe's Home Center. It would need to be transported across Missouri Highway 5 through a mall parking lot to its new location.

An 8' x 20' two-story brick & block tower front entrance and a two-story brick covered corner was left intact for the move. The remainder of the building consisted mainly of glass doors and windows. The elevator as well as all furniture, including a \$40,000 grand piano, was left in the building. A steel frame was welded together to help support the brick tower and elevator. An 8' A-Frame with caster wheels was made to assist in getting the cross loaders across the 113' span of the garage. The building was then loaded on two double I-beams, 115' L x 24"H x 20"W. 25 hydraulic jacks on a 19 jacking unit with two jacks on a power-pac were used to raise the building enough to

enable the garage walls and surrounding dirt to be moved away. After the garage walls were removed the building was then lowered onto nine standard dollies and two power dollies, totaling 88 tires. The building was pulled from the basement hole by two D9s. The dollies were then rotated to make the move toward the new site. From there the two power dollies were used to move the building approximately a mile across a field and highway to the new site. At the new site, after three days of rain, the dollies were once again turned to make the move onto the new parking garage slab. Five winch trucks were used to pull the building onto the slab. The elevator shaft needed to be lined up precisely with the hole in the slab in order for the elevator to be lowered. The building was elevated 12' so the new basement walls for the parking garage could be completed. 



Power dollies were used to move the building approximately 3/4-mile across a field and highway to a new site.



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