

*Most Innovative Move:**OPEN CATEGORY***Heneault & Gosselin, Inc.**

Riviere-Du-Loup, Quebec, Canada

Bigaouette Residential Housing Complex, Quebec City, Canada

The complex was a multi-unit co-op offering affordable housing to low income families in Lower Town Quebec. During a renovation project in the fall of 2008 it was discovered the existing foundations were crumbling and extremely weak. Engineers declared the building condemned and ordered an immediate evacuation. H&G was call engaged to conduct a feasibility study to stabilize the building and replace the foundations. The three-story building, constructed in the early 1920's, was originally a shoe factory measuring 106 feet by 46 and one half feet. It was later recycled into an apartment complex. The exterior walls are comprised exclusively of masonry units, up to four layers thick on the lower level. To make matters worse, the wooden floor joists were encased into the concrete foundations. It was discovered the building wasn't resting on solid ground as the structure had settled as much as six inches in some areas over the years.

As the foundation demolition began, a massive steel structure was progressively constructed under the building's outer masonry walls, ultimately supporting the building's total weight of 979 tons. At one point, the entire building rested on



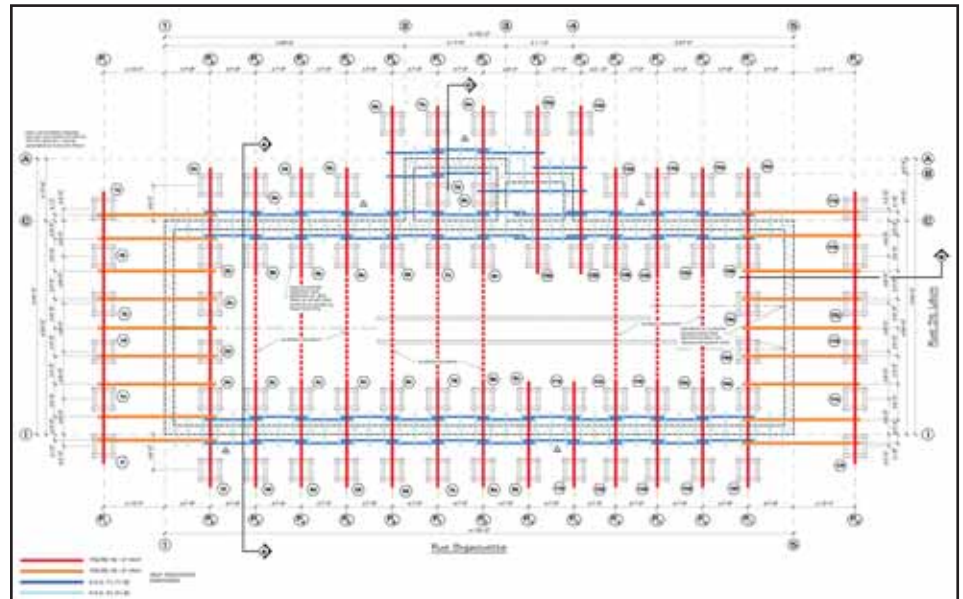
The building with its new foundation.

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80,000 lbs of steel beams and 70 crib piles. New concrete foundation walls were poured in sections as quickly as the shoring progressed. A high strength quick setting concrete was developed specifically for this project as the weight of the building needed to be transferred onto the new foundations as quickly as possible. 65 steel piles were then driven into the soft ground, ultimately supporting the building's weight.

The work began in early January 2008 and was completed in late April. As the work was accomplished in the winter, H&G needed to build an insulated shelter and heat the work area to protect the new concrete from freezing and offer warmer working conditions for the workers. As many as three crews worked on the project. The final cost was above \$1,500,000.00.



The shoring plan that was prepared for the project.



Work was carried out in the dead of winter.



The forms for the new concrete footings.



Part of the shoring equipment.



Another view of the shoring equipment.

*Most Unusual Move:**OPEN CATEGORY***Ayers House Movers, Inc.**

Spotsylvania, Virginia

Vietnam War Memorial, Fort Lee Army Base, Virginia

This project was begun in November 2007 but not completed until February 2008 even though the job took only 12 days. The memorial was relocated to allow for construction of a new building.

The monument, constructed of concrete and rebar, was moved with both the concrete footings and grade beams. The initial raise was done with airbags with additional elevating done by crib jacks. The monument was moved approximately 400 yards on three power dollies and three coaster dollies then rotated 45 degrees. Loaded the structure was 40 feet tall, 60 feet at its widest point and weighed 140 tons.



*Most Unusual Move:**OPEN CATEGORY***Cen-Cal Heavy Moving, Inc.**

Montclair, California

Pacific Palisades Sculpture

A previous client contacted Cen-Cal Heavy Moving, Inc., about moving a sculpture approximately 25 miles from Pacific Palisades to Hermosa Beach, California. The artist created the sculpture on site using a solid metal frame, wire mesh screen and concrete base. The sculpture measured nine feet long, nine feet wide and 12 feet high. The move occurred October 14-14, 2008 for a fee of \$8,000.00.



Most Innovative Move:

OPEN CATEGORY

Jeremy Patterson House Moving

Washington, Iowa

Heather Johnson, Cedar Rapid, Iowa

JPHM, over two weeks in August 2008 minimized holes in the foundation of the Heather Johnson house to reduce flood waters and provided the main beam holes above the 500 year flood mark.



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