

BERMINGHAM

FOUNDATION SOLUTIONS
SINCE 1897

PROJECT REPORT

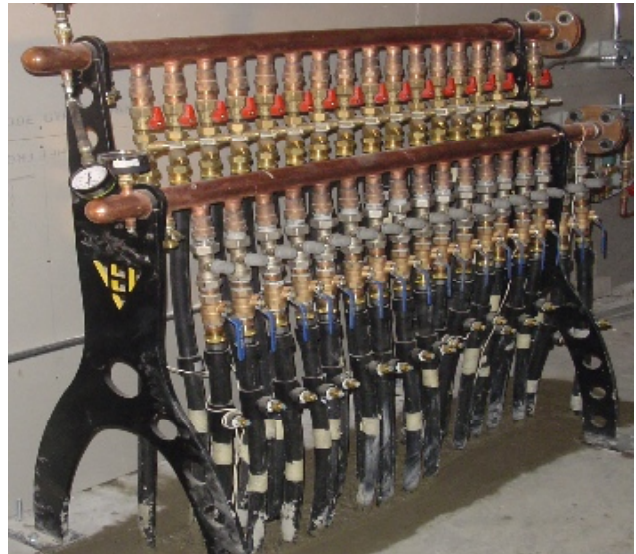
Canadian Marine Discovery Center
Hamilton, Ontario



The Canadian Marine Discovery Center.

Thanks to Bermingham's partnership with Austria based Enercret, Bermingham proposed and installed an innovative geo-exchange system to meet 100% of the cooling and heating needs of this federal museum.

With the Enercret system, not only do the piles function as the buildings foundation, they also function as an energy source, providing both heating and cooling capabilities to the building. The system includes 51 foundation piles, each driven to a depth of 100 feet with a single pile. The system is supplemented by an additional 20 borehole pipes and contains over 12,000 meters of high-density polyethylene pipe. Each circuit is then connected to a manifold in the building where heat pumps utilize the nearly constant temperature of the ground to provide heating and cooling to the building.



Geo-exchange circuits (left) exit the piles and lead to the manifold (right).

Bermingham
FOUNDATION EQUIPMENT

enercret
foundations that work

STATNAMIC

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