

The Corporate Offices for Moran Shipping

Providence, RI

Project Information

- Square Footage: 12,000 sf
- Completion Date: Currently in construction

Design Engineering

- Two 1500 foot standing column geo-exchange wells .
- Variable frequency drive engaged for well water flow control and energy efficiency.
- Automatic purge of well water filters
- Distributed ground source heat pumps utilized throughout the building.
- DDC geo-exchange control system.
- High efficiency modulating boiler installed for back-up emergency heat, if needed. Periodic automatic operational tests included to ensure the emergency back-up boiler will operate if emergency heat is required.

This geo-exchange project, currently in construction, is a renovation of a 12,000 square foot historic building in Downtown Providence. **ICDS** provided the geo-exchange (a.k.a. geothermal) system design which included two 1500 foot standing column wells piped into a central heat exchanger.



ICDS

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