

Project Information

- Completion Date: Winter 2007

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.
- Metallurgical consultation and well drillers technical and field support
- Detailed mechanical shop drawings
- Coordination drawings of the geo-exchange piping and equipment .

Project Place is a not for profit organization that provides services to homeless women and men in the Boston area. Some of these services are job training, providing work experience and housing for the individuals in need. The building is six stories with fourteen affordable studio apartments on the top two floors and a mix of agency spaces on the lower floors and retail space on the ground floor. One of the challenges that faced this project was the available real estate for a geo-exchange installation. Closed loop wells could not be used as the foot print of the building was almost all of the available space on the site. **ICDS** provided the geo-exchange (a.k.a. geothermal) system design which included two 1500 foot standing column wells, one well on each end of the building kitty corner adjacent to each other, piped into a central heat exchanger. Construction finished in January 2007, on time and on budget.



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