



Habitations Paul Pratt, Longueuil, Québec (2018)

Paul Pratt Houses are residences for retired people. Since the construction of this building in 2008, the heating and cooling systems have presented energy deficiencies and operating problems.

MANDATE

Geo-Energie, was awarded in 2018 by Habitations Paul Pratt to:

- Establish a geothermal intervention protocol;
- Evaluate and diagnose all issues;
- Establish budgets and timelines for achievement by priority;
- Define the means and general principles of the corrective measures to be put in place;
- Drafting plans and electromechanical specifications of said fixes.

DESIGN OF MECHANICAL / ELECTRICAL SYSTEMS

- Distribution of the electrical input;
- Electrical connection plans for lighting and various equipment;
- Calculations of fresh air intake of the building;
- Dimensioning of mechanical equipment for the production of hot water and chilled water for space heating and cooling;
- Dimensioning circulation pumps of heat transfer fluids;



Geo-Energie inc.
Ingénierie, Design