

St. John's Long-Term Care Facility



CLIENT/OWNER: Marco/Government of NL

TYPE: Electrical and Mechanical

SECTOR: Institutional

DURATION: 2010 – 2013

LOCATION: St. John's, NL



The St. John's Long-Term Care Facility is a high performance, environmentally-innovative building with two 4-storey residences, a common services building, and a utility building.

Scope of Work

As the prime electrical and mechanical contractor, Cahill was responsible for:

- Supply, installation, and commissioning of piping, HVAC, and electrical systems.
- Installation of a 100-well central geothermal heat pump system.
- Power distribution, lighting, and vital power requirements.
- System installation for telecommunications, nurse call, patient wandering, and medical gas.

Highlights

- Sophisticated electrical system for power distribution and emergency power supply.
- Complex mechanical systems for optimal energy conservation.
- Developed detailed tracking and planning systems using forecasting modules and schedule.
- Integrated subcontractor work activities, personnel, and materials, leading to decreased downtime and cost.
- Implemented a computerized piping and HVAC design layout to improve installation efficiency and maintenance.
- Reduced installation time during construction.

Quick Facts

500,000 square foot facility.

460 resident rooms.

100-well central geothermal heat pump system.