

Carbonear Long-Term Care Facility



CLIENT/OWNER: EllisDon Corporation/Government of NL

TYPE: Mechanical, Piping

SECTOR: Institutional

DURATION: 2012 – 2015

LOCATION: Carbonear, NL



The Carbonear Long-Term Care (LTC) facility is a high performance, environmentally innovative building with a 4-storey residence, and buildings for support services.

Scope of Work

The Carbonear LTC Facility is a newly constructed patient residence that connects to the existing hospital. As the prime mechanical contractor, Cahill was responsible for activities in both facilities including:

- Supply, installation, and commissioning of piping and HVAC systems.
- Installation of a 50-well central geothermal heat pump and cooling system.

Highlights

- Installed sophisticated mechanical systems for air and water distribution consisting of geothermal system, heat pumps, water-air heat pumps for data and electrical room cooling, and a commercial kitchen exhaust system.
- Proposed alternate engineering solution for steam piping system to reduce disruption to existing hospital and decrease costs.
- Installed 300HP steam boiler and heating system from utility plant to new mechanical room.
- Developed detailed tracking and planning system using forecasting model and schedule.

Quick Facts

430,000 square foot facility.

228 resident rooms.

50 well central geothermal heat pump system.