

Bell Canada Network 3.0 POD Installation at Halifax Toll Building

CLIENT

Bell Canada

LOCATION

Halifax, Nova Scotia

PROJECT DESCRIPTION

When Bell Canada's East Coast subsidiary Bell Aliant needed to expand a networking facility in the historic Toll Building in the north end of Halifax, the company called on Black & McDonald (B&M) to lead the project. Bell Canada and Brookfield GIS O&M Solutions Inc. selected B&M as the general contractor for its data centre expansion project. B&M then subcontracted Carnot Refrigeration for the supply of (in row) rack cooling for the data racks and the heat exchanger. The project saw the installation of mechanical, electrical, controls and associated architectural works for the new networking system.

B&M SCOPE OF WORK

The project scope for the mechanical systems included plumbing, chilled water and carbon dioxide piping systems for cooling, and the installation of the heat exchanger. The renovation and upgrade of existing rooms to accommodate installation of the new equipment and systems was also required. The electrical scope included relocation of existing services, and installation of tray, conduit and wiring systems for the new systems. It also needed the coordination of the fire alarm system, an upgrade to the controls system and closed-circuit TV installation.

With B&M's expertise, the telecommunications company was able to expand its offerings in the regional market and manage new demand for Bell Aliant's services including high-speed and dial-up internet access, wireline telephone service and fibre optic TV.

TECHNOLOGY USED

The chilled water piping system was coated using the Belzona product and all the piping systems needed to be properly insulated. The carbon dioxide system used stainless steel tubing and an orbital weld process, which required registration of the weld procedure.