

PROJECT PROFILE

Sault Ste. Marie
Public Library

PRINCIPAL USAGE

Public space, media storage

LOCATION

Sault Ste. Marie, Ontario

CONDITIONED SPACE

16,000ft²

PROJECT TYPE

Applied

EQUIPMENT

Two Carrier AquaSnap[®] 30MP chillers
with BACnet[®]* controls

INSTALLATION DATE

2015

For more information, contact your nearest
Carrier representative at 1-800-CARRIER, or
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Photo: Pierre Gagnon - Gagnon & Associates Inc. HVAC

Carrier AquaSnap[®] Chillers Provide Comfort, Controlled Environment at Sault Ste. Marie Public Library

PROJECT CHALLENGE:

When the original chiller at the Sault Ste. Marie Public Library required replacement, administrators sought a solution that addressed several goals. Due to the design of the facility, the replacement chiller would have to fit through a standard door for installation. In addition, the replacement had to be reliable, energy efficient and have precision control capabilities. Finally, the library required system redundancy for both the comfort of the library's visitors and staff, and for proper climate control to protect the books and digital media in the facility's collection.

SOLUTION and BENEFITS:

The Sault Ste. Marie Public Library Board of Directors, in consultation with Elio Principe of MGP Architects—Engineer, Inc., the Sault Ste. Marie-based heating, ventilating and air conditioning (HVAC) design firm, selected two Carrier AquaSnap[®] 30MP chillers to provide comfort cooling and climate control at the library. The AquaSnap[®] chiller is

modular, making it suitable for installation in space-constrained locations. This capability made it possible to bring the chillers in through a standard sized doorway. Additionally, the AquaSnap[®] chiller's scroll compressor makes it a highly energy efficient unit, with quiet, reliable operation. It also has *ComfortLink* microprocessor-based controls that are fully BACnet[®] compatible. These controls enable the library's support staff to monitor the chillers' activity and control their performance to maximize efficiency.

For redundancy, two AquaSnap[®] chillers were specified to both ensure the comfort of the visitors and staff of the library, and protect the valuable books and media available at the facility.

Elio Principe said, "We selected the 30MP chillers because of their native controls options and modular format. The chillers operated well through their first cooling season, and the library staff has been very pleased."

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