



02

Installed System

Outdoor unit

Water-cooled R2 series



PQRY × 39

Air-cooled R2 series



PURY × 3

Air-cooled S series



PUMY × 2

Indoor unit

Ceiling Concealed

PDFY × 200
PEFY × 177

Wall mounted

PKFY × 1

Controller

Centralized Controller



G-50A × 10

PI Controller

PAC-YG60MCA × 7

Local Remote Controller

PAR-21MAA × 48

Simple Remote Controller

PAC-SE51CRA × 300



Place de l'Escarpement, Québec, Canada

The Challenge

Located in a new commercial development near the major freeways of Québec City, the designers of Place de l'Escarpement aim at a LEED-NC GOLD certification, making this building the largest geothermal installation in Québec City. To achieve such high level of expectations, the developer needs a reliable HVAC system that has optimized energy efficiency while providing their occupants advanced control over thermal comfort.

The Solution

By installing capacities of nearly 4 million BTU/H of CITY MULTI WR2 systems, the building now serves simultaneous heating and cooling using geothermal energy over its 148,000 sq. ft. of floor space. From a combination of geothermy, heat recovery and lighting fixtures, this office building is designed to reduce energy consumption by more than 55 percent compared to the reference model building based on CMNEB standards. The amount of energy saved annually will be able to provide electricity to 110 standard single family homes each year. This building will also be one of the 10 most efficient buildings in their class in Canada.

