



# CHINGUACOUSY PARK RENEWAL

BRAMPTON, ON



## QUICK FACTS

- + Park / Recreation
- + Curling Pavilion
- + Chalet
- + \$14.2-million Budget (approx.)
- + Smith + Andersen Mechanical, Electrical, Lighting, and Data Communication



PHOTO CREDIT: Shai Gil Photography



# CHINGUACOUSY PARK RENEWAL

## ABOUT THIS PROJECT

- + Chinguacousy Park Renewal introduced a variety of environments suitable for recreational activities in all seasons.
- + Water retention systems, reflective roofs, recycled materials, highly efficient mechanical systems, and energy management controls modernize the park with low environmental impact.
- + Renovated the curling pavilion, and a new ski chalet/clubhouse.
- + Pavilion terraces and decks with long overhangs contribute to passive cooling, and blurs the boundaries between indoor and outdoor spaces.
- + New lighting, landscaping, and pedestrian paths introduced throughout the park.
- + Provided each of the three buildings with stand-alone mechanical systems (which uses a heating water plant with condensing boilers and variable secondary flow pumping).
- + Provided heat pumps for the Chalet and Pavilion and a variable air volume (VAV) rooftop unit with direct expansion (DX) cooling for the curling club (to meet the building's cooling requirements).
- + Heating, ventilating, and air conditioning (HVAC) systems controlled by a sophisticated building automation system tie into the City's city-wide building management system.

**LOCATION**  
Brampton, ON

**SMITH + ANDERSEN**  
**SERVICES PROVIDED**  
Mechanical, Electrical, Lighting,  
Data Communication

**KEY TEAM MEMBERS**  
MJMA

**SIZE**  
Park: 5,550 sq. ft.  
(515 sq. m.)  
  
Chalet: 17,300 sq. ft.  
(1,607 sq. m.)  
  
Curling Pavilion: 14,500 sq. ft.  
(1,347 sq. m.)

**BUDGET**  
\$14.2 Million

**COMPLETION YEAR**  
2011

## HOT BUTTONS

PARK	ENERGY MODELLING	SUSTAINABLE DESIGN	LEED SHADOW
LIGHTING	NEW BUILD	SECURITY	TELECOMMUNICATION



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