



## City of Burlington

Architects: **Diamond and Schmitt Architects Inc.**

Consultants: **Crossey Engineering Ltd.**

## The Burlington Performing Arts Centre

The Main Theatre is a multi-purpose performance venue. This theatre includes a six-storey fly tower and an orchestra pit to accommodate more elaborate theatrical and musical productions. Seating 718 guests, this world-class theatre will delight your performers and audiences alike. The Community Studio Theatre will host smaller-scale theatre performances for audiences up to 225 people or dinner theatre up to 150.

The Burlington Performing Arts Centre is the only freestanding green performing arts centre in Canada. Built to Leadership in Environmental Design (LEED) standards, the result is a performing arts centre that has a reduced impact on the environment.

Set your scene at The Burlington Performing Arts Centre. Just steps from Lake Ontario on Burlington's beautiful waterfront, The Centre is a convenient and spectacular site to host a wide range of functions including weddings, corporate and community events, conferences and galas.

### Project Highlights:

- Two modulating boilers with variable frequency drive (VFDs) pumps control the building's temperature
- Ten rooftop units. Each supply fresh air to rooms based on the CO<sub>2</sub> levels. Each unit supplies a number of zones. Each zone has a reheat coil for more efficient control
- A third party energy model indicates that the new facility will achieve a 77% reduction from the provincial energy use average

### Project Details:

- Monitoring of Gas and Hydro consumption
- Several humidifiers specifically for the auditorium
- 15 reheat coils
- Perimeter heating is used around the glass exterior to maximize effectiveness

The Burlington Performing Arts Centre (BPAC) is a multi-purpose facility that includes a main theatre, studio theatre and lobby to accommodate various functions.

The 62,000 sq ft Burlington Performing Arts Centre is among the very first theatres in Canada designed with an aggressive sustainable directive to reduce energy consumption and lower its environmental impact. LEED strategies include sustainable site development, remediated contaminated soils, storm water management, reduced heat-island effect and reduced light pollution.



### HVAC · Metering · Lighting · Security · Video

For more information about AIRON Group of Companies please contact by calling 1-877-259-3523, or e-mail [info@airongroup.ca](mailto:info@airongroup.ca). Visit us online at [www.airongroup.ca](http://www.airongroup.ca).

The Airon logo & site copyright of Airon HVAC and Control Ltd. Copyright © 2012. All rights reserved. Serving the GTA & Golden Horseshoe since 1993.

Project Sheet 2012.