



# ARC Engineering Inc.

## Educational Facilities

### Recent Projects:

#### **District School Board of Niagara (DSBN) Niagara Region, Ontario**

We are providing Mechanical services for several elementary school renovation projects. Construction for all projects is expected to begin in Summer of 2013.

#### **Niagara College Lab Renovation NOTL, Ontario**

We are currently involved with renovations to add a Food Microbiology Lab, Food Chemistry Lab, Food Quality Lab, and a Shelf Life Analysis Lab. Construction is just finishing with the Grand Opening scheduled for late spring of 2013.

#### **McMaster University Hamilton, Ontario**

We provided Mechanical Engineering services for a new barrier free washroom upgrade at the Moulton Hall Residence on campus and for renovations for the McMaster University Commons Building Front Desk.

#### **Brock University St. Catharines, Ontario**

This project is a renovation of the Brock Learning Commons. W3 will be providing the Mechanical Engineering Services.

#### **Jeunes Sans Frontières Secondary School Brampton, Ontario**

This 80,000ft<sup>2</sup> high school uses a unique in-floor radiant heating and cooling system. We provided a review of the chilled water system to determine causes of operational issues, and provided recommendations to resolve these issues.

#### **Brock University St. Catharines, Ontario**

Kitchen staff were complaining of issues with warm, humid conditions of a new kitchen area in the recently enclosed courtyard project. We reviewed the existing design and provided a solution able to meet the needs of the staff.

**We specialize in finding the right solution to suit our clients needs,** whether it be a cost effective design for a new project, or improving an existing design. We can provide solutions for Building Services Design - HVAC, plumbing and fire protection systems to provide a comfortable, healthy and safe environment.

**Our philosophy is simple - provide the best service possible** to suit our clients goals and budget. We will work through any engineering problem to find the most effective and cost efficient solution.

**Our focus is Building Services Design including HVAC,** plumbing and fire protection. With experience in Commercial, Institutional, and Industrial settings, as well as renovation projects, we can provide our services for a range of facilities.

**With three LEED Accredited Professionals on staff, we can** offer a full range of Green Building solutions such as LEED Consultant Services for LEED certification, preliminary LEED certification reviews, and energy modeling for LEED and government incentive programs. We are fully trained in EE4 and eQuest, two industry standard energy software packages.

**We can provide a Green Building Design for any project.** We believe Sustainable Design should be incorporated into every project. This leads to greater long term savings in operating costs for the Owner, and a more environmentally responsible approach to Building design.

**We work with our clients through every step of the** engineering design to ensure a cost effective and appropriate. Our services extend to the commercial, institutional, retail, and industrial market sectors.

#### **We provide services for new and renovated projects:**

- |                          |                          |
|--------------------------|--------------------------|
| ⇒ Commercial Projects    | ⇒ Office Buildings       |
| ⇒ Building Conversions   | ⇒ Institutional Projects |
| ⇒ Shopping Centres       | ⇒ Retrofits              |
| ⇒ HVAC                   | ⇒ Plumbing               |
| ⇒ Fire Protection        | ⇒ LEED Services          |
| ⇒ Energy Modeling        | ⇒ Studies                |
| ⇒ Industrial Ventilation | ⇒ Controls               |

### ARC Engineering Inc

*Creating Solutions Through Engineering Excellence*

1100 South Service Rd., Suite 417  
Stoney Creek ON L8E 0C5

P: (905) 643-8530 F: (905) 643-8510

Web: [www.arcengineering.ca](http://www.arcengineering.ca) Email: [contact@arcengineering.ca](mailto:contact@arcengineering.ca)