



École Secondaire Jeunes sans Frontières

LEED Silver secondary school

Brampton, Ontario



Owner:
Conseil Scolaire de District du
Centre-Sud-Ouest

Architect:
Robertson Simmons
Architects Inc.

Our Services:

- Sustainable Design Facilitation
- Window Rating Certification
- Energy Efficiency Consulting
- LEED® Consulting & Certification
- Building Commissioning

Status:
LEED-NC Silver Certified
Completed 2007

LEED® Project Facts

Gross Floor Area: 8463 (m²)
Energy Density: 176 (kWh/m²)

Category	% Performance
Water Savings	
Irrigation	67 %
Indoor Use	31 %
Energy Savings	
Waste Diversion	91 %
Recycled Content	24 %
Regional Content	48 %

LEED® Silver

The CSDCSO (Conseil Scolaire de District du Centre-Sud-Ouest) teaches and practices environmental stewardship. For this project, the CSDCSO achieved a LEED Silver designation with 42% energy cost savings and 31% potable water savings compared with a conventional building. The great success of Jeunes sans Frontières has

encouraged the school board to an even greater commitment to greening its facilities. Jeunes sans Frontières is a 8,463 m² facility that combines a conventional secondary school with an occupational training facility. Green features include a radiant heating and cooling system, a green roof, and water-conserving plumbing fixtures.

Notable Features

- Re-developed brownfield site
- Soil remediation to reduce pesticide and arsenic levels
- Green roof learning garden
- Drought-resistant landscaping
- Water-conserving plumbing fixtures
- High performance windows
- High efficiency mechanical equipment
- Radiant heating/cooling with PEX tubes embedded in concrete flooring
- Energy-efficient lighting controlled by occupancy sensors
- 91% of construction waste diverted from landfill
- Active school recycling program
- 48% of materials from local sources
- Low off-gassing finishes and furnishings



42%
Energy Savings



31%
Indoor Water Savings



24%
Raw Materials Savings