



Wilfrid Laurier University, The Global Innovation Exchange

Waterloo, Ontario

LEED EXPERIENCE

LEED Gold



Client

Wilfrid Laurier University

Architect

Diamond and Schmitt Architects

Project Completion Date

December, 2016

Type of Contract

Lump Sum

Capital Cost

\$75,140,000

Project Description

The Global Innovation Exchange building consists of approximately 21,000 square metres of new construction and is located at 64 University Avenue West in Waterloo, Ontario. This academic building includes a 1,000 seat auditorium, lecture halls, computer laboratories, faculty offices, a central atrium, and café. The building is a four storey reinforced concrete structure with large structural steel components and penthouse. Cantilevered elements are supported by 2 storey wide flange steel trusses and welded wide flange beams.

The building meets LEED Gold standards. The building includes sprinkler, fire alarm, security, audiovisual equipment, data, and voice communication systems. Electrical work includes state of the art lighting and control systems. The mechanical work includes a standalone, central plant for heating and cooling. Mechanical systems were chosen for energy efficiency and include: in-slab (heat and cool) hydronic systems, chilled beam cooling systems, displacement ventilation systems, and variable air volume systems. Rainwater is collected and recycled for irrigation and as a grey water system. The project includes a fully digital building automation system that is interfaced to the WLU central campus system. Related underground utility and civil works include building servicing and construction of an on-site parking lot for approximately 120 vehicles. The 1.54HA site area also includes landscaping.

