GREEN GLOBES

MACODRUM LIBRARY

BUDGET:
$27,200,000

ARCHITECT:
Edward Cuhaci Architects
Diamond Schmitt

MECHANICAL/ELECTRICAL CONSULTANT:
Chorley & Bisset Engineering

GENERAL CONTRACTOR:
Pomerleau Inc.

CONSTRUCTION PHASE:
Jan 2012 to Aug 2013

OCCUPANCY DATE:
September 2013

MACODRUM LIBRARY ADDITION

CARLETON UNIVERSITY, OTTAWA

GREEN GLOBE RATING (As Designed): 3 GLOBES

The MacOdrum Library contains a collection of more than two million items—books, microfilms, tapes, CDs, government documents, maps, periodicals and archival materials—as well as study space, reading rooms and café. The new design highlights the removal of the existing front façade and the incorporation of the new East front addition which provides for transparency into the library and provides an appropriate image reflective of the stature and importance of the library. The addition also adds 75,000 sq ft to the building.

KEY SUSTAINABILITY FEATURES

Carleton University's standard for new buildings and renovations is to achieve at least three out of five globes using the Green Globes sustainable building rating and evaluation system. Green Globes evaluates factors including project management, site use, energy consumption, space utilization, light and water optimization, building envelope integrity, materials, waste management etc.

For more information, please visit: www.greenglobes.com.

- The amount of daylighting is optimized through building orientation and window-to-wall size ratios.
- The building provides direct ambient daylight to 80% of the primary spaces.
- Solar shading devices are specified to enable occupants to control brightness and glare from direct daylighting.
- Views to the building exterior from all primary interior spaces.
- Major energy uses are being sub-metered (i.e. mechanical equipment, receptacle loads, lighting loads).
- Energy efficient lighting fixtures, lamps and ballasts.
- Low-flow water saving fixtures.
- Building materials with recycled content were used in the building construction (i.e. carpet tiling and acoustic panel ceiling system).
- The building integrates existing facades and 50% of the existing major structures were reused.
- Interior materials are low-VOC emitting, non-toxic and chemically inert (i.e. carpets and paint).

For more information, please contact:
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Sustainability
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