



LEARNING RESOURCE COMMONS



Opening on April 2015, the Learning Resource Commons (LRC), Humber's largest construction project to date, is the new main entrance to the North Campus, providing a gateway to the college's facilities, offices and classrooms.

Announced in July 2011, the LRC is an important investment in Humber's infrastructure and was developed according to the planning principles outlined in the college's 2009 Campus Development Plan, which emphasize:

- Promoting a sense of place, arrival and welcome;
- Minimizing transportation and pedestrian conflicts;
- Providing easier access to front-line services; and
- Unifying the campus through physical landscape intervention at the north end.

The main floor of the LRC is a student hub, and features a large atrium with a gallery and student showcase, along with seating for students to study and hang out.

The building is also home to a new library, enhanced student services (including the test, writing and math centres, peer tutoring and mentoring, career advising, and other services – all under one roof) and offices for the Registrar, Student Success and Engagement, the International Centre, the School of Liberal Arts and Sciences, administration, and the college's executive team.

PROJECT HIGHLIGHTS

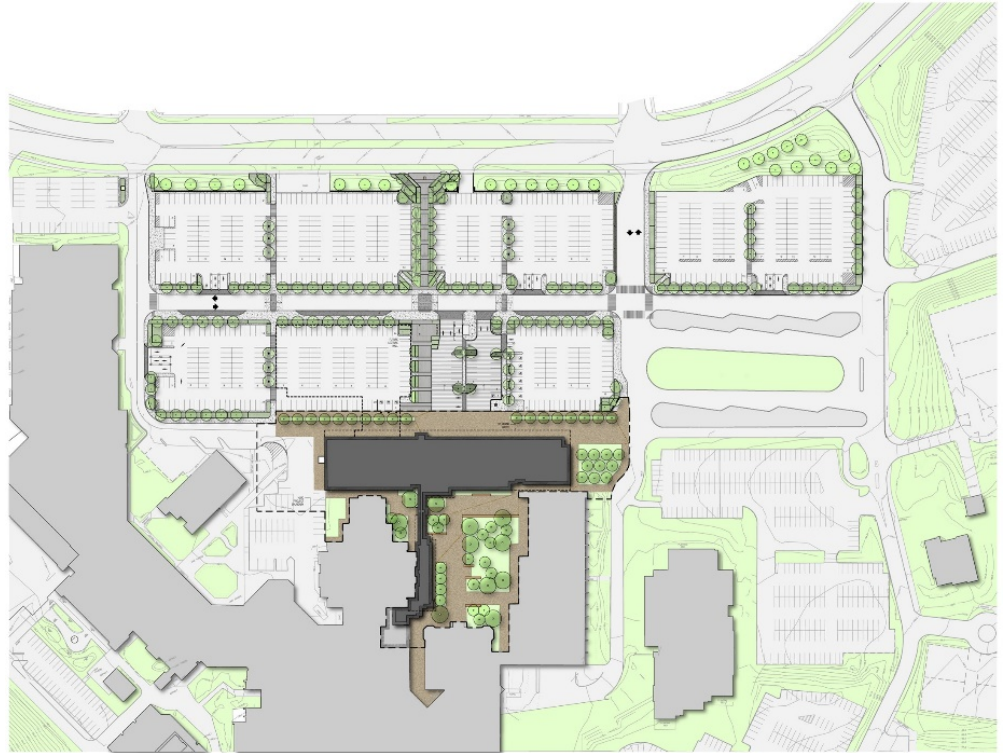
- 94%** construction waste was **diverted** from landfills.
- 43%** of materials were **locally sourced** (within 800km).
- 43%** reduction in **water use** compared to the baseline building.
- 36%** Reduction in **energy use** compared to the baseline building.
- 20%** **recycled** content in building construction materials.

Project Team	
Project Manager	MHPM Project Managers
Architect	B+H Architects
Contractor	PCL Constructors Canada INC.
Mechanical Engineer	Smith + Andersen
Commissioning Authority	MMM Group
Sustainability Consultant	Footprint
Electrical Consultant	Smith + Andersen
Energy Engineer	Footprint



PROJECT OVERVIEW

Facing Humber College Blvd., the six-storey LRC connects buildings N, J and NX through an outdoor courtyard and a link to the Student Centre. The 264,000-square-foot building, which is visible from all approaches to the college, helps Humber accommodate enrollment growth by creating space for more than 2,200 new students.



WATER, ENERGY EFFICIENCY & INDOOR ENVIRONMENTAL QUALITY

- **PHOTO VOLATIC (PC) ARRAY** – The 100 kW PV system is located on the building’s roof. It is composed of 481 PV modules that cover a total area of 772m². The PC system ties directly into the building’s electrical distribution system, it is used to supplement power being drawn from the local utility grid to serve the building.
- **GREEN ROOF** – The remaining 947m² of the roof space is vegetated.
- **LOW FLOW FIXTURES** – Low flow and sensor fixtures were installed throughout the building saving 8,200L of water per day.
- **LOW VOC MATERIALS** – Paints, coatings, adhesives, sealants used in the building construction are all low VOC Materials.
- **OCCUPANCY SENSORS** – Occupancy sensors are installed in all spaces to turn the lights on, or off, based on actual occupancy. A combination of wall-mounted infrared occupancy sensors and dual technology ceiling sensors were installed throughout.

