MintoRoehampton, Toronto, Canada

Building Type / Use
Multi-Residential Rental

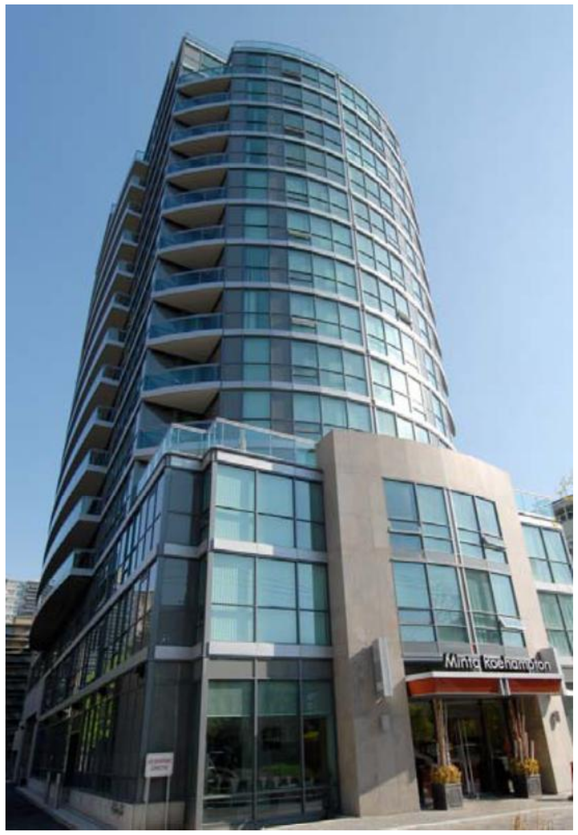
Country
Toronto, Canada

Client
Minto Apartments Ltd.

Construction Manager
MintoUrban Communities

Occupation
2007

MintoRoehampton, Toronto, Canada



Location

MintoRoehampton is a 16 storey apartment located in the heart of midtown Toronto within walking distance of countless restaurants, retail outlets, and public transportation routes. Bicycle parking has been provided for more than half of the occupants and a hybrid car sharing program will make it easy for residents to reduce their personal carbon footprint.

Motion Sensor Lighting

Motion controls are installed for all common area lighting systems including 100% of the stairwell lighting, all public access service rooms, and the non emergency corridor lights.

Promoting Occupant Conservation

The unique electricity, hot and cold water sub-metering system, where residents pay for what they use, empowers the residents and promotes conservation. The all-off lighting control provides a simple switch at the suite entry door that turns off all permanent light fixtures throughout the suite.

Heat Recovery Ventilators

The Minto-inspired HRV-fancoil is used in every suite. The heat recovery ventilator (HRV) extracts heat from suite exhaust air to heat incoming filtered fresh air. This increases the buildings overall energy efficiency while providing a direct source of fresh air into every suite that increases ventilation effectiveness.

MintoRoehampton, Toronto, Canada

Building Performance:

Energy Savings

- 38% more energy efficient than the Canadian Model National Energy Code for Buildings
- 582 tonnes of annual greenhouse gas reductions
- A solar wall pre-heats the main make-up air to provide **202.1 GJ of renewable energy.**

Water Conversation

•39% reduction in expected water consumption.

•Rain water harvesting and the use of drought tolerant plants eliminates the need for potable water use for irrigation. Rain water is also used to supplement water use in the toilets.

Green Power

100% of the building's electricity is purchased from a green energy provider.

Indoor Environmental Quality

•Low emitting materials including carpets, paints, and cleaning products reduce building contaminant levels

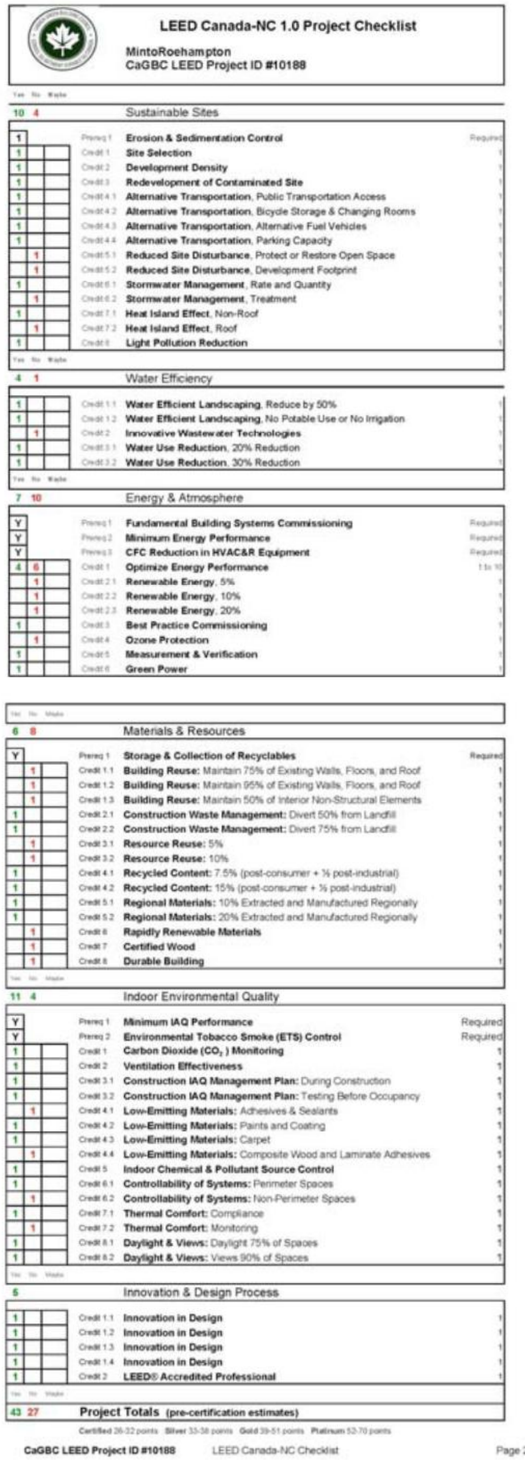
•Heat recovery ventilators, carbon dioxide monitors, and user controls for interior lighting and operable windows contribute to a healthier living experience

Materials

•A minimum of 20% of construction material came from recycled sources

•91% of construction waste was diverted from landfill

•At least 40% of materials were extracted and manufactured locally.



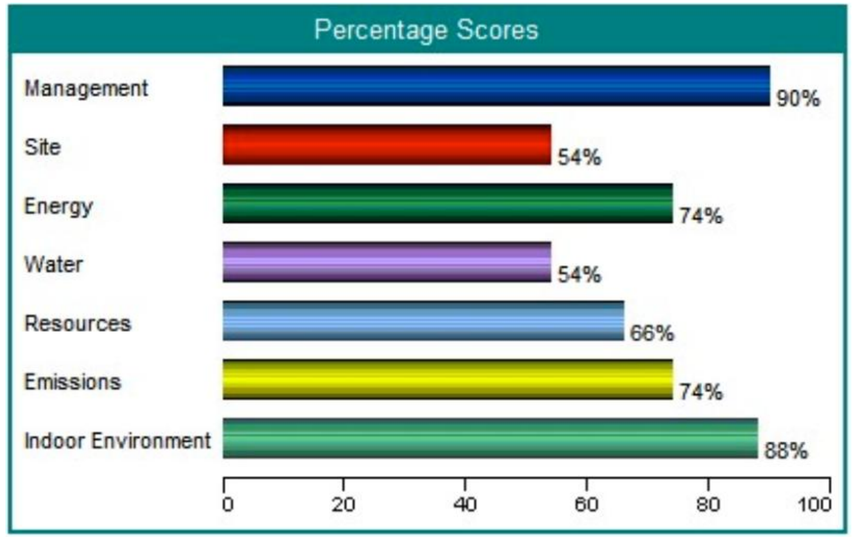
LEED Canada-NC 1.0 Project Checklist

MintoRoehampton
CaGBC LEED Project ID #10188

Yes	No	Maybe		
10	4		Sustainable Sites	
1			Prereq 1	**Erosion & Sediment Control** — Required
1			Credit 1	**Site Selection** — 1
1			Credit 2	**Development Density** — 1
1			Credit 3	**Redevelopment of Contaminated Site** — 1
1			Credit 4.1	**Alternative Transportation**, Public Transportation Access — 1
1			Credit 4.2	**Alternative Transportation**, Bicycle Storage & Changing Rooms — 1
1			Credit 4.3	**Alternative Transportation**, Alternative Fuel Vehicles — 1
1			Credit 4.4	**Alternative Transportation**, Parking Capacity — 1
	1		Credit 5.1	**Reduced Site Disturbance**, Protect or Restore Open Space — 1
	1		Credit 5.2	**Reduced Site Disturbance**, Development Footprint — 1
1			Credit 6.1	**Stormwater Management**, Rate and Quantity — 1
	1		Credit 6.2	**Stormwater Management**, Treatment — 1
1			Credit 7.1	**Heat Island Effect**, Non-Roof — 1
	1		Credit 7.2	**Heat Island Effect**, Roof — 1
1			Credit 8	**Light Pollution Reduction** — 1
4	1		Water Efficiency	
1			Credit 1.1	**Water Efficient Landscaping**, Reduce by 50% — 1
1			Credit 1.2	**Water Efficient Landscaping**, No Potable Use or No Irrigation — 1
	1		Credit 2	**Innovative Wastewater Technologies** — 1
1			Credit 3.1	**Water Use Reduction**, 20% Reduction — 1
1			Credit 3.2	**Water Use Reduction**, 30% Reduction — 1
7	10		Energy & Atmosphere	
Y			Prereq 1	**Fundamental Building Systems Commissioning** — Required
Y			Prereq 2	**Minimum Energy Performance** — Required
Y			Prereq 3	**CFC Reduction in HVAC&R Equipment** — Required
4	6		Credit 1	**Optimize Energy Performance** — 1 to 10
	1		Credit 2.1	**Renewable Energy**, 5% — 1
	1		Credit 2.2	**Renewable Energy**, 10% — 1
	1		Credit 2.3	**Renewable Energy**, 20% — 1
1			Credit 3	**Best Practice Commissioning** — 1
	1		Credit 4	**Ozone Protection** — 1
1			Credit 5	**Measurement & Verification** — 1
1			Credit 6	**Green Power** — 1
6	8		Materials & Resources	
Y			Prereq 1	**Storage & Collection of Recyclables** — Required
	1		Credit 1.1	**Building Reuse:** Maintain 75% of Existing Walls, Floors, and Roof — 1
	1		Credit 1.2	**Building Reuse:** Maintain 95% of Existing Walls, Floors, and Roof — 1
	1		Credit 1.3	**Building Reuse:** Maintain 50% of Interior Non-Structural Elements — 1
1			Credit 2.1	**Construction Waste Management:** Divert 50% from Landfill — 1
1			Credit 2.2	**Construction Waste Management:** Divert 75% from Landfill — 1
	1		Credit 3.1	**Resource Reuse:** 5% — 1
	1		Credit 3.2	**Resource Reuse:** 10% — 1
1			Credit 4.1	**Recycled Content:** 7.5% (post-consumer + ½ post-industrial) — 1
1			Credit 4.2	**Recycled Content:** 15% (post-consumer + ½ post-industrial) — 1
1			Credit 5.1	**Regional Materials:** 10% Extracted and Manufactured Regionally — 1
1			Credit 5.2	**Regional Materials:** 20% Extracted and Manufactured Regionally — 1
	1		Credit 6	**Rapidly Renewable Materials** — 1
	1		Credit 7	**Certified Wood** — 1
	1		Credit 8	**Durable Building** — 1
11	4		Indoor Environmental Quality	
Y			Prereq 1	**Minimum IAQ Performance** — Required
Y			Prereq 2	**Environmental Tobacco Smoke (ETS) Control** — Required
1			Credit 1	**Carbon Dioxide (CO_2) Monitoring** — 1
1			Credit 2	**Ventilation Effectiveness** — 1
1			Credit 3.1	**Construction IAQ Management Plan:** During Construction — 1
1			Credit 3.2	**Construction IAQ Management Plan:** Testing Before Occupancy — 1
	1		Credit 4.1	**Low-Emitting Materials:** Adhesives & Sealants — 1
1			Credit 4.2	**Low-Emitting Materials:** Paints and Coating — 1
1			Credit 4.3	**Low-Emitting Materials:** Carpet — 1
	1		Credit 4.4	**Low-Emitting Materials:** Composite Wood and Laminate Adhesives — 1
1			Credit 5	**Indoor Chemical & Pollutant Source Control** — 1
1			Credit 6.1	**Controllability of Systems:** Perimeter Spaces — 1
	1		Credit 6.2	**Controllability of Systems:** Non-Perimeter Spaces — 1
1			Credit 7.1	**Thermal Comfort:** Compliance — 1
	1		Credit 7.2	**Thermal Comfort:** Monitoring — 1
1			Credit 8.1	**Daylight & Views:** Daylight 75% of Spaces — 1
1			Credit 8.2	**Daylight & Views:** Views 90% of Spaces — 1
5			Innovation & Design Process	
1			Credit 1.1	**Innovation in Design** — 1
1			Credit 1.2	**Innovation in Design** — 1
1			Credit 1.3	**Innovation in Design** — 1
1			Credit 1.4	**Innovation in Design** — 1
1			Credit 2	**LEED® Accredited Professional** — 1
43	27		**Project Totals** (pre-certification estimates)	

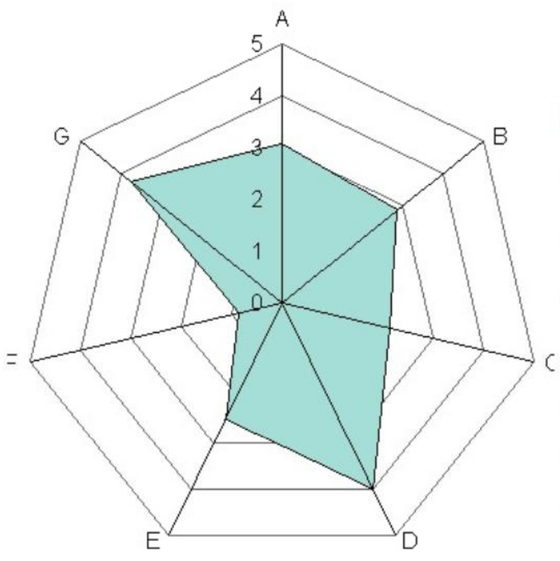
Certified 26-32 points Silver 33-38 points Gold 39-51 points Platinum 52-70 points

CaGBC LEED Project ID #10188 LEED Canada-NC Checklist Page 2



Green Globes

0 = Acceptable Practice; 3 = Good Practice; 5 = Best Practice



Performance Issue Areas

Design Phase scores indicate Potential Performance as predicted by an assessment of building features and plans for construction and operation that are developed during the design process.

This is a New construction project with a total gross area of 16323 m2. It has an estimated lifespan of 75 years, and contains the following occupancies: Apartment and Indoor parking and is located in Toronto, Canada. The assessment is valid for the Design Phase.

Assumed life span is 75 years, and monetary units are in CAD	Amortization rate for embodied energy of existing materials is set at 0 %
The project contains 148 apartment units	Assessment Scores

With current context and building data, the number of active low-level parameters is:	97	Max. potential low-level parameters:	110
The number of active low-level mandatory parameters with a score of less than 3 is:	1	Active low-level mandatory parameters:	8

To see a full list of Issues, Categories and Criteria, go to the Issues work sheet.		Active Weights	Weighted scores
A	Site Selection, Project Planning and Development	9%	**3.1**
B	Energy and Resource Consumption	19%	**2.9**
C	Environmental Loadings	29%	**2.1**
D	Indoor Environmental Quality	19%	**4.0**
E	Service Quality	17%	**2.5**
F	Social and Economic aspects	4%	**0.9**
G	Cultural and Perceptual Aspects	2%	**3.8**
Total weighted building score			**2.8**

SB Tool Assessment