

GREEN ROOF CASE STUDY

General Project Information

Name of Project	Lester B. Pearson
Street	53 Cummer Avenue
General location	
City	Toronto
State/Province	Ontario
Country	Canada
Developer/Client	
Completion date	June 2006

Project Description:

Most significant project driver	Storm Water Reduction;
Additional project driver (s)	Other: Recreation
Design intent	Aesthetic
Project certifications /awards	
Unique site features /challenges	
Building Type	Multi-family residential; Above ground parking garage;
Building height	The Building is 4 stories, The parking garage with the green roof is on the first floor
Construction type application	New construction;
Green roof type	Extensive/intensive
Greenroof test/research facility	No
Roof size (m²)	775 m ²
Roof slope (%)	2-5%
Roof accessibility?	Yes
Public access?	No

Green Roof Specifics

Build-up of roof (materials)	
System or Products?	
Greenroof system	ZinCo Floradrain FD40: Perennial Garden (extensive) & ZinCo Floradrain FD60 Park Landscape (intensive)
Waterproof membrane	Hot rubberized Asphalt
Insulation	
Protection layer	ZinCo protection mat SSM45 (extensive) & ZinCo protection mat ISM50 (intensive)
Drainage layer	ZinCo water retaining-, and drainage element Floradrain FD40 (40mm) & ZinCo water retaining-, and drainage element Floradrain FD60, filled with crushed brick (60mm)
Filter cloth	ZinCo filtersheet SF
Growing medium	ZinCo Growing Medium for intensive Green Roofs
Growing medium depth	6-8" (extensive); 18-24" (intensive);
Other materials	Pavers on pedestals: ZinCo Elefeet; Inspection Chambers drainoutlet: ZinCo KS8 incl. extension piece
Type of plant species	Sedums & drought resistant perennials (extensive) & Little trees + vegetables (intensive)
# of plants (m²)	Please specify: 10 to 20;
Supported habitat	
Maintenance required	Periodic watering in the first two growing seasons; weeding, inspection roof drains, fertilizing
Maintenance schedule	Semi annual;
Maintenance cost annual	
Who maintains the roof?	Landscape Contractor

Architect/Contractor Information

Architect	
Name	
Title	
Company	Perkins Eastman Black Architects
Role	
Landscape Architect	
Name	
Title	
Company	
Role	
Envelope Engineer or Roof Consultant	
Name	
Title	
Company	
Role	
General Contractor	
Name	
Title	
Company	The Atlas Corporation
Role	
Roofing Subtrade	
Name	
Title	
Company	Roque Roofing Inc.
Role	

Additional Resources:

Websites /newslinks/articles etc...	www.zinco.ca
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Submitted By:

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