

GREEN ROOF CASE STUDY

General Project Information

Name of Project	Cooper Residence
Street	
General location	
City	Toronto
State/Province	Ontario
Country	Canada
Developer/Client	
Completion date	

Project Description:

Most significant project driver	Owner
Additional project driver (s)	Neighbours
Design intent	Aesthetics; Therapeutic garden
Project certifications /awards	
Unique site features /challenges	
Building Type	Residential high rise
Building height	9 storeys (100')
Construction type application	Retrofit
Green roof type	Semi intensive
Greenroof test/research facility	No
Roof size (m²)	120
Roof slope (%)	2
Roof accessibility?	Yes
Public access?	No

Green Roof Specifics

Build-up of roof (materials)	
System or Products?	ELT Easy Green
Greenroof system	Hot applied rubberized asphalt (inverted system)
Waterproof membrane	Dow Styrofoam
Insulation	EPDM
Protection layer	ELT Easy Green
Drainage layer	Polypro Filter Fabric
Filter cloth	Slag, sand, compost, limestone screenings, vermiculite, perlite
Growing medium	2-4" & 4-6"
Growing medium depth	
Other materials	
Type of plant species	Extensive sedum cover, annual planters, native prairie plants and grasses.
# of plants (m²)	20 to 40
Supported habitat	Birds and Butterflies
Maintenance required	Weeding, irrigation, annual planting
Maintenance schedule	Monthly
Maintenance cost annual	\$500.00
Who maintains the roof?	Gardener

Architect/Contractor Information

Architect	
Name	
Title	
Company	
Role	
Landscape Architect	
Name	Keith Ardron
Title	
Company	ELT
Role	
Envelope Engineer or Roof Consultant	
Name	
Title	
Company	
Role	
General Contractor	
Name	
Title	
Company	
Role	
Roofing Subtrade	
Name	
Title	
Company	
Role	

Additional Resources:

Websites /newslinks/articles etc...	www.eltgreenroofs.com/greenroofs-projects.html
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Submitted By:

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SEND: this case study file and a low resolution photo of the project to info_greenroof@bcit.ca.