

GREEN ROOF CASE STUDY

General Project Information	
Name of Project	401 Richmond
Street	Richmond St.
General location	Downtown
City	Toronto
State/Province	Ontario
Country	Canada
Developer/Client	
Completion date	Sep-05

Project Description:	
Most significant project driver	Owner
Additional project driver (s)	Environmental solutions
Design intent	Aesthetics
Project certifications /awards	N/A
Unique site features /challenges	Blend into environment, Public access and awareness
Building Type	Multi-use
Building height	4 Floors
Construction type application	Retrofit
Green roof type	Extensive
Greenroof test/research facility	No
Roof size (m ²)	200
Roof slope (%)	2
Roof accessibility?	Yes
Public access?	Yes

Green Roof Specifics	
Build-up of roof (materials)	Asphalt
System or Products?	Xero Flor XF301 green roof system
Greenroof system	
Waterproof membrane	
Insulation	
Protection layer	
Drainage layer	
Filter cloth	Xero Flor XF158 Water Retention Fleece
Growing medium	xero terr® substrate
Growing medium depth	2.5cm (Pre-cultivated Vegetation Blanket)
Other materials	
Type of plant species	Sedum
# of plant species (m2)	10 to 20
Supported habitat	butterflies
Maintenance required	Fertilization, periodic water during periods of extreme drought
Maintenance schedule	Semi annual
Maintenance cost annual	
Who maintains the roof?	Please specify: Gardener; Building manager; Operations manager; Private contractor; Owner; other

Architect/Contractor Information	
Architect	
Name	
Title	
Company	
Role	
Landscape Architect	
Name	
Title	
Company	
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...	

Submitted By:	
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Title:	
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SEND: this case study file and a low resolution photo of the project to info_greenroof@bcit.ca.
 LABEL the casestudy file as: **companynameprojectcasestudy.xls**
 LABEL the photo file as: **companynameprojectnamelowphoto.jpg**