

GREEN ROOF CASE STUDY

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

Project Description:	
Most significant project driver	Owner
Additional project driver (s)	Environmental solutions
Design intent	Low maintenance; Aesthetics
Project certifications /awards	N/A
Unique site features /challenges	Public awareness
Building Type	Municipal
Building height	4 Floors
Construction type application	Retrofit
Green roof type	Extensive
Greenroof test/research facility	No
Roof size (m ²)	1500
Roof slope (%)	2
Roof accessibility?	Yes
Public access?	No

Green Roof Specifics	
Build-up of roof (materials) System or Products?	
Greenroof system	Xero Flor XF301 green roof system
Waterproof membrane	
Insulation	
Protection layer	Xero Flor XF112 Root Barrier
Drainage layer	Xero Flor XF108 Drainage Mat
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 (m ²)	10 to 20
Supported habitat	
Maintenance required	Fertilization, periodic water during periods of extreme drought
Maintenance schedule	Semi annual
Maintenance cost annual	
Who maintains the roof?	Xero Flor Canada

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	John Longpre Flynn Canada

Additional Resources:	
Websites /newslinks/articles etc...	

Submitted By:	
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