	ODEEN DOOF OLOF OTHERY
	GREEN ROOF CASE STUDY
General Project Information	lw o
Name of Project	Waterloo City Centre
Street	Regina St.
General location City	Downtown 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
	h i a
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 (m²)	1500
Roof slope (%)	2 Yes
Roof accessibility? Public access?	Yes No
Green Roof Specifics	p =-
Build-up of roof (materials)	
System or Products?	
Greenroof system	Xero Flor XF301 green roof system
Waterproof membrane	7.6.0 7.6. 7.1 66 7 groun root system
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	Codum
Type of plant species	Sedum
# of plant appellant (res)	40 += 20
# of plant species (m2)	10 to 20
Supported habitat	Fertilization, periodic water during periods of extreme drought
Maintenance required	Fertilization, periodic water during periods of extreme drought
Maintenance schedule Maintenance cost annual	Semi annual
Who maintains the roof?	Xero Flor Canada
Architect/Contractor Information	p
Architect	
	1
ı name	
Name Title	
Title	
Title Company Role	
Title Company Role Landscape Architect	
Title Company Role Landscape Architect Name	
Title Company Role Landscape Architect Name Title	
Title Company Role Landscape Architect Name Title Company	
Title Company Role Landscape Architect Name Title	
Title Company Role Landscape Architect Name Title Company	
Title Company Role Landscape Architect Name Title Company Role Envelope Engineer or Roof Consultant Name	
Title Company Role Landscape Architect Name Title Company Role Envelope Engineer or Roof Consultant Name Title	
Title Company Role Landscape Architect Name Title Company Role Envelope Engineer or Roof Consultant Name Title Company	
Title Company Role Landscape Architect Name Title Company Role Envelope Engineer or Roof Consultant Name Title	
Title Company Role Landscape Architect Name Title Company Role Envelope Engineer or Roof Consultant Name Title Company Role	
Title Company Role Landscape Architect Name Title Company Role Envelope Engineer or Roof Consultant Name Title Company Role General Contractor	
Title Company Role Landscape Architect Name Title Company Role Envelope Engineer or Roof Consultant Name Title Company Role	
Title Company Role Landscape Architect Name Title Company Role Envelope Engineer or Roof Consultant Name Title Company Role General Contractor Name	
Title Company Role Landscape Architect Name Title Company Role Envelope Engineer or Roof Consultant Name Title Company Role General Contractor Name Title	
Title Company Role Landscape Architect Name Title Company Role Envelope Engineer or Roof Consultant Name Title Company Role General Contractor Name Title Company Role	
Title Company Role Landscape Architect Name Title Company Role Envelope Engineer or Roof Consultant Name Title Company Role General Contractor Name Title Company Role General Contractor Name Role Roofing Subtrade	
Title Company Role Landscape Architect Name Title Company Role Envelope Engineer or Roof Consultant Name Title Company Role General Contractor Name Title Company Role Roefing Subtrade Name Name	John Longpre
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 Name Title 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 General Contractor Name Title Company Role Roofing Subtrade Name Title Company	John Longpre Flynn Canada
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 Roofing Subtrade Name Title Company Role Roofing Subtrade Name Title Company Role	-
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 Roofing Subtrade Name Title Company Role Additional Resources:	-
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 Roofing Subtrade Name Title Company Role Roofing Subtrade Name Title Company Role	-
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 Roofing Subtrade Name Title Company Role Additional Resources:	-
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	-
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 Roofing Subtrade Name Title Company Role Additional Resources: Websites /newslinks/articles etc	Flynn Canada
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 Rodifional Resources: Websites /newslinks/articles etc Submitted By: 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 Roofing Subtrade Name Title Company Role Additional Resources: Websites /newslinks/articles etc	Flynn Canada
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: Name: Title:	Flynn Canada Rob LeBrow
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 Roofing Subtrade Name Title Company Role Rowsel Rowsel Additional Resources: Websites /newslinks/articles etc Submitted By: Name: Title: Company name:	Flynn Canada Rob LeBrow Xero Flor Canada Ltd.
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 Rodiftional Resources: Websites /newslinks/articles etc Submitted By: Name: Title: Company Role Additional Resources: Company Role Additional Resources: Company Role Additional Resources: Company Role Additional Resources:	Rob LeBrow Xero Flor Canada Ltd. 273 Elgin St. Unit 8 Brantford Ontario
Title Company Role Landscape Architect Name Title Company Role Envelope Engineer or Roof Consultant Name Title Company Role General Contractor Name Title Company Role General Contractor Name Title Company Role Roofing Subtrade Name Title Company Role Additional Resources: Websites /newslinks/articles etc Submitted By: Name: Title: Company name: Address: City Province/State Postal code/Zip code	Rob LeBrow Xero Flor Canada Ltd. 273 Elgin St. Unit 8 Brantford Ontario N3S SB2
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 Roofing Subtrade Name Title Company Role Roofing Subtrade Name Title Company Role Additional Resources: Websites /newslinks/articles etc Submitted By: Name: Title: Company name: Address: City Province/State Postal code/Zip code Country	Rob LeBrow Xero Flor Canada Ltd. 273 Elgin St. Unit 8 Brantford Ontario N3S 5B2 Canada
Title Company Role Landscape Architect Name Title Company Role Envelope Engineer or Roof Consultant Name Title Company Role General Contractor Name Title Company Role General Contractor Name Title Company Role Roofing Subtrade Name Title Company Role Additional Resources: Websites /newslinks/articles etc Submitted By: Name: Title: Company name: Address: City Province/State Postal code/Zip code	Rob LeBrow Xero Flor Canada Ltd. 273 Elgin St. Unit 8 Brantford Ontario N3S SB2