

GREEN ROOF CASE STUDY

General Project Information	
Name of Project Street General location City State/Province Country Developer/Client Completion date	Centre for Discovery Gatehouse Harris New York United States

Project Description:	
Most significant project driver	thermal performance
Additional project driver (s)	Environmental solutions
Design intent	Low maintenance
Project certifications /awards Unique site features /challenges	Multiple sloped roofs
Building Type	Multi-use
Building height	20'
Construction type application	New construction
Green roof type	Extensive
Greenroof test/research facility	No
Roof size (m ²)	100
Roof slope (%)	30
Roof accessibility?	No
Public access?	No

Green Roof Specifics	
Build-up of roof (materials)	
System or Products?	ELT Easy Green Pre-grown Panels
Greenroof system	Single source provider
Waterproof membrane	EPDM
Insulation	Fiberglass
Protection layer	N/A
Drainage layer	ELT Easy Green
Filter cloth	Bio-blanket (contained in ELT Easy Green Panels)
Growing medium	Crushed brick, limestone screenings, sand
Growing medium depth	1-2"
Other materials	
Type of plant species	Sedum album, Sedum acre, Sedum reflexum, Sedum sexangulare
# of plants (m ²)	40-100
Supported habitat	N/A
Maintenance required	Irrigation during drought periods, semi-annual visual inspection, winterization and spring startup of irrigation
Maintenance schedule	Semi annual
Maintenance cost annual	\$300.00
Who maintains the roof?	Private contractor

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

Additional Resources:	
Websites /newslinks/articles etc...	www.eltgreenroofs.com/greenroofs-projects.html

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