

## GREEN ROOF CASE STUDY

### General Project Information

<b>Name of Project:</b>	Maple Leaf Storage Facility
<b>Street (optional):</b>	100 Park Royal
<b>General location:</b>	Park Royal Mall (East Side of Mall)
<b>City:</b>	West Vancouver
<b>State/Province:</b>	BC
<b>Country:</b>	Canada
<b>Developer/Client (optional):</b>	Larco Developments
<b>Completion date:</b>	Sep-05

### Project Description:

<b>Most significant project driver:</b>	To be a good neighbor to the surrounding residential towers and to protect the nearby Capilano River watershed.
<b>Additional project driver:</b>	
<b>Design intent:</b>	
<b>Project certifications /awards:</b>	
<b>Unique site features /challenges:</b>	Very limited site access. Loading roof could only be done from one side.
<b>Building height</b>	50 feet
<b>Construction type application</b>	New Construction
<b>Green roof type:</b>	Extensive
<b>Greenroof test/research facility:</b>	No
<b>Roof size (m<sup>2</sup>):</b>	28,000 sq ft
<b>Roof slope (%):</b>	2
<b>Roof accessibility?</b>	No
<b>Public access?</b>	No

### Green Roof Specifics

<b>Build-up of roof (materials)</b>	Steel Deck, Conventionally Insulated, 2-Ply SBS
<b>System or Products?</b>	Soprema Sopranature - Taiga
<b>Greenroof system:</b>	Single Source Provider
<b>Waterproof membrane:</b>	Soprema 2 Ply SBS
<b>Insulation:</b>	2" Polyisocyanurate
<b>Protection layer:</b>	Sopraboard (Rigid Asphaltic)
<b>Drainage layer:</b>	Sopradrain 10-G
<b>Filter cloth:</b>	Microfab
<b>Growing medium:</b>	Sopraflor X
<b>Growing medium depth:</b>	1" to 4"
<b>Other materials:</b>	
<b>Type of plant species:</b>	Arctostaphylos uva-ursi "Vancouver Jade", Sedum album "Chlorticum", Sedum caucicola "Lidakense"
<b># of plant species:</b>	1 to 5
<b>Supported habitat:</b>	
<b>Maintenance required:</b>	
<b>Maintenance schedule:</b>	
<b>Maintenance cost annual:</b>	
<b>Who maintains the roof?</b>	

### Designer/Contractor Information

<b>Architect</b>	
<b>Name:</b>	Frank Musson
<b>Title:</b>	Partner
<b>Company:</b>	MCM Partnership
<b>Role:</b>	Design Development
<b>Landscape Designer</b>	
<b>Name:</b>	Dylan Chernoff
<b>Title:</b>	
<b>Company:</b>	Durante Kruek
<b>Role:</b>	
<b>Engineer</b>	
<b>Name:</b>	
<b>Title:</b>	
<b>Company:</b>	
<b>Role:</b>	
<b>General contractor</b>	
<b>Name:</b>	Richard Ellis-Smith
<b>Title:</b>	Project Manager
<b>Company:</b>	BIRD
<b>Role:</b>	
<b>Roofing subtrade</b>	
<b>Name:</b>	Wayne Mack
<b>Title:</b>	General Manager
<b>Company:</b>	Flynn Canada
<b>Role:</b>	Roof to Soil

### Additional Resources:

<b>Websites /newslinks/articles etc...</b>	
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### Submitted By:

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