



Seeing double; mirror-image ecoroofs

PROJECT: **Edmonton Clinic Health Academy**

LOCATION: **11405 - 87 Avenue**

BUILDING TYPE: **Institutional**

TOTAL ROOF AREA: **9,400 m²**

Ecoroof details

ECOROOF AREA: 300 m² for each roof

DIRECTION: West facing

STOREY: Third floor

YEAR INSTALLED: 2011

NEW BUILD OR RETROFIT: New build

TYPE OF ECOROOF: Intensive

ECOROOF SYSTEM: Pre-grown modular trays

SUBSTRATE DEPTH: Min. 300 mm (*design specification*)

ACCESS: Direct access through patio door to patio; Ladder from patio to ecoroof area. Not accessible to the public.

INTERESTING FEATURES: Trex decking used

PLANTS:

Botanical Name	Common Name
Perennials	
<i>Allium cernuum</i>	Nodding Onion
<i>Sedum ewesii</i>	Pink Mongolian Stonecrop
<i>Sedum floriferum</i> 'Weihenstephaner Gold'	Weihenstephaner Gold Stonecrop
<i>Sedum kamtschaticum</i> 'Variegatum'	Variegated Russian Stonecrop
<i>Sedum spurium</i> 'Dragon's Blood'	Dragon's Blood Stonecrop
Grasses	
<i>Bouteloua gracilis</i>	Blue Grama Grass
<i>Festuca glauca</i>	Blue Fescue
<i>Triticum aestivum</i>	Wheat Grass

Description

The Edmonton Clinic Health Academy has two ecoroofs, which are mirror-images of one another.

They are not accessible to the public or designed to be walked on, but they each have an adjacent patio that is accessible to the public and primarily used by building occupants for lunch breaks, etc. Each patio also boasts two garden boxes: one 15 m² and one 22 m² that are planted, maintained and harvested by building occupants. Who doesn't enjoy a fresh carrot with their lunch?!

Challenges

This ecoroof, like many in Edmonton, faces a sometimes challenging situation with coexisting with nesting geese.

Benefits

Like many ecoroofs, the motivation behind the Edmonton Clinic Health Academy ecoroofs was to achieve LEED compliance for the building. The two ecoroofs also offer the unique opportunity as a point of interest on general “Green Building” tours, offered to the public and campus community.

Lessons Learned

From a design perspective, it’s important that roofing materials must be non-organic and the roofing system must come with an extended warranty. Additionally, it is important to hire contractors that have crews that are very familiar and experienced with the installation of the ecoroof roofing materials.

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Photo by Kelly Learned

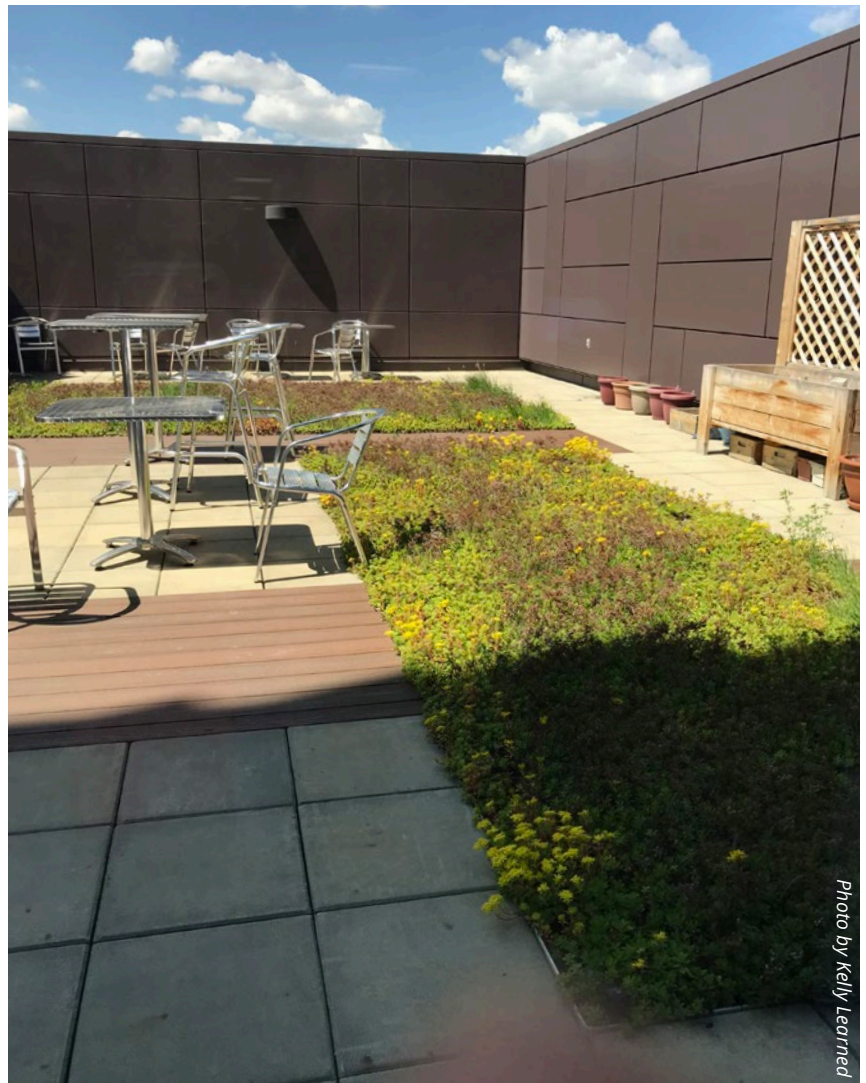


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