



View of the 31 storey office tower RBC WaterPark Place and the Lake Ontario.

Project Data

Area: ca. 4.500 m²

Construction Year: 2014

Architect/Planner:
WZMH Architects, Toronto

Landscape Architects:
DTAH, Toronto

System Build-up:
"Sedum Carpet" with
Floradrain® FD 25-E

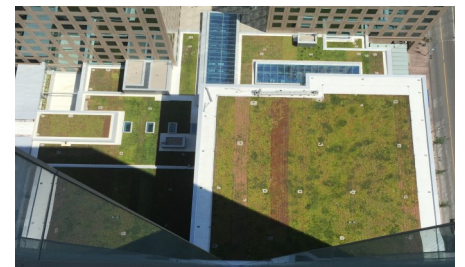
Coordinates:
43°38'27.7"N 79°22'45.1"W

Conception

This modern office building sets new standards in terms of smart design, sustainability and amenities for downtown office life. The office tower has earned a LEED platinum certification and is equipped with a considerable total green roof area of 4.500 m², spread over several storeys and partial areas.

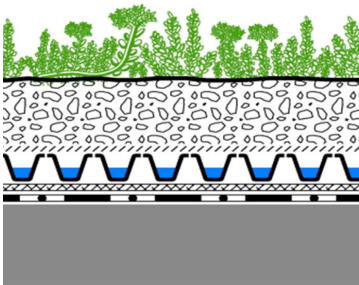
The striped pattern of the vegetation results from the use of different coloured Sedum mats. The stripe pattern theme is stressed even more by

adding upright accent perennials and grasses to some of the Sedum rows. The System Build-up "Sedum Carpet" with Floradrain® FD 25-E provides the necessary growing conditions for the plants and makes sure that the stormwater management requirements of the city of Toronto are met. Anti-erosion measures have been included in some areas of the System Build-up to withstand the wind loads in this height. An irrigation system protects the green roof from drying out.



The striped pattern results from different coloured sedum mats, partly complemented by upright accent plants.

System Build-up



- Vegetation Layer with different coloured Sedum mats and single rows of shrubs and grasses
- System Substrate Extensive Light
- Filter Sheet SF
- Floradrain® FD 25-E
- Protection Mat SSM 45
- Roof construction with root-resistant waterproofing



During long dry periods, an integrated irrigation system provides the vegetation with water.

Development



The Floradrain® FD 25-E elements retain rain-water to make it available to the vegetation later on.



The extensive light version substrate is in accordance with the static requirements.



The high wind load requires additional measures to protect the System Build-up.

