

# Project Report

## Queen Street Hotel and Spa, Ontario



*The idyllic backyard of the Queen Street Hotel in Ontario, near Niagara Falls.*

### Conception

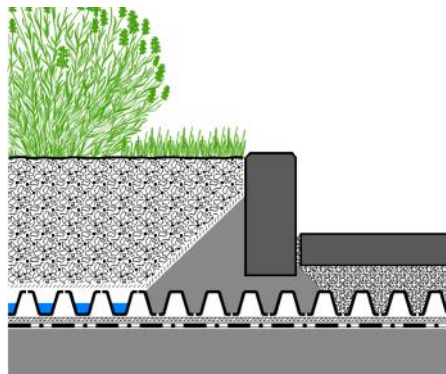
The green roof of the Queen Street Hotel in Ontario is located on the hotel's own underground garage and was designed to resemble a Zen garden. Even the over 100-year-old forge building was integrated.

The approx. 1.800 m<sup>2</sup> roof area includes an intensive green roof, walkways and water features. Specially designed planting areas for perennials and the

higher planters troughs for trees are watered using the rainwater collected from the garden.

The system build-up used here with Floradrain® FD 40-E represents a multifunctional green roof assembly with high water retention capacity. It is best suited for lawns, perennial plants such as shrubs, bushes and trees. This structure is also suitable for paving slabs.

### System Build-up



Concrete slabs  
Bedding and backfilling material:  
HPB (High Performance Bedding)  
Floradrain® FD 40-E  
Protection Mat ISM 50  
Roof construction with root resistant waterproofing



*The lawn around the roof garden forms a green frame.*



*The arrangement and design of the planting areas reflect the Zen philosophy.*

### Project Data

Area: ca. 1.800 m<sup>2</sup>

Construction Year: 2021-2023

Landscape architect:  
ZinCo Canada x Environmental  
Design Group

Contractor:  
Environmental Design Group

System Build-up:  
"Walkway" with Floradrain® FD 40-E

Coordinates:  
43°15'23.07"N 79°4'29.35"W



*The roof area under construction shortly before laying the terrace slabs and planting.*



*Shortly after completion of the roof surface.*



*The entire roof surface is covered with Floradrain® FD 40-E, even under the paving.*

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