



LIVING ARCHITECTURE MONITOR[®]

A GREEN ROOFS FOR HEALTHY CITIES PUBLICATION

VOLUME 16 / ISSUE 4 / WINTER 2014-15

2014 AWARDS OF
EXCELLENCE WINNERS

BUSINESS CASE ISSUE

On the Roof With... General Services Administration
Green Jobs for Healthy Economies
Why Green Roof and Wall Policy is Important
Confessions of a Green Starchitect — Jason McLennan

CATEGORY:
**EXTENSIVE
INDUSTRIAL /
COMMERCIAL**

PROJECT:

*Midtown High Rise Green Roof –
7,000 square foot green roof*

LOCATION:

New York, NY

AWARD WINNER:

*New York Green Roofs (Design
Consultation, Installation and
Maintenance Contractor)*

LANDSCAPE ARCHITECT:

HM White Site Architects

ARCHITECTS:

Gertler & Wentz

STRUCTURAL & WIND LOAD ENGINEERS:

Urban Tech

MEMBRANE MANUFACTURER:

Kemper System

IRRIGATION:

Rain Bird, Hunter and Netafim

LIGHTING DESIGNER:

Atelier Lumiere

CARPENTRY:

Riverside Builders

Image provided by: New York Green Roofs



A GREEN RESPITE FOR MANHATTAN OFFICE WORKERS

Transforming a corporate office building into a lush green oasis in midtown Manhattan, this green roof offers staff of a booming realty company an unusually peaceful respite amidst the constant movement of a bustling city. 7,000 square feet of living roof and integrated decking establishes a buffer between a busy office space and one of the densest urban environments on the planet. The design provides a view upon ecological succession of a changing landscape as it incorporates a mostly extensive mix of meadow grasses, flowering perennials and low growing succulents. Observation of seasonal progression is enhanced with a few flowering trees and spring blooming bulbs.

The irrigation design incorporates advanced water conservation practices and technologies, keeping the water below the surface of the vegetated roof so that evaporation, wind overspray and mist or surface run-off is mitigated.

"THIS PROJECT WAS CAREFULLY ENGINEERED TO KNIT WITH THE BUILDING'S INFRA-STRUCTURE, TO PREVENT POTENTIAL WIND UPLIFT, ACCOMMODATE SIGNIFICANT WEIGHT RESTRICTIONS AND SUPPORT A SOPHISTICATED, MULTI-SEASONAL PLANT PALETTE TOLERANT OF EXTREME GROWING CONDITIONS. ITS PRIMARY ROLE AS AN AMENITY SPACE FOR A THRIVING CORPORATION, COMBINED WITH ITS POSITIVE ECOLOGICAL IMPACT, REDEFINES WHAT IS POSSIBLE WHEN CREATING A CONTEMPORARY TERRACE GARDEN IN A DENSE URBAN ENVIRONMENT."

Amy Falder, partner, New York Green Roofs

Water is applied directly to the plant's root zone, where it is most efficiently available for uptake by plant roots.

The project is a wrap-around terrace that exists outside of an owner-occupied commercial office space: all of the employees have views of the vegetated roof from their office windows and access to the green roof for use at their leisure. This rolling meadow exists in stark contrast to the pedestal paver hardscapes that exist on the terraces below and above, and it creates a visual landmark that is viewed by thousands of tenants occupying nearby high rises lining

3rd Avenue. Located seventeen stories above the street in an urban canyon of Midtown Manhattan, the project design accommodated the extreme growing conditions of its surroundings in a windy, hot, concrete and glass jungle. It is anticipated that the roof will not only enhance the experience of its users for years to come, but will also serve as a representation for progressive ecological design in the built-environment, reflecting what we can do make our cities more liveable, efficient and sustainable.