



LIVING ARCHITECTURE MONITOR

A GREEN ROOFS FOR HEALTHY CITIES PUBLICATION

VOLUME 21 / ISSUE 3 / FALL 2019

DON'T MISS GREY TO GREEN TWIN CITIES 9/30 AND GREY TO GREEN METRO DC 10/29!

THE AWARDS OF EXCELLENCE ISSUE

- WILL AI ROBOTS REPLACE DESIGNERS?
- ON THE ROOF WITH... AWARD WINNING GREEN ROOF PIONEER CHARLIE MILLER
- WHO'S THE GREENEST CITY OF THEM ALL?
- PLANT SELECTION FOR BIODIVERSITY
- 2019 AWARDS OF EXCELLENCE WINNING PROJECTS
- WHY DOESN'T BOSTON USE GREEN ROOFS TO COMBAT FLOODING?

AWARDS OF EXCELLENCE

AWARDS 2019 OF EXCELLENCE

JUDGE'S TABLE

We would like to thank the judges who generously donated their time and expertise.

Jeffrey Bruce, GRP, FASLA, ASIC, LEED
Jeffrey L. Bruce and Co. LLC

Chris Brunner
New York Green Roofs

Terry Guen, FASLA
Terry Guen Design Associates

Michael Krause
Kandiyo Consulting

Monica Kuhn, GRP, O.A.A
Monica E. Kuhn, Architect Inc.

Christopher Lyon, MBA
Tournesol Siteworks

David J. Yocca, FASLA, AICP, LEED AP
Conservation Design Forum

Ishi Buffam
University of Cincinnati

Dr. Reid Coffman
Kent State University

Virginia Russell, FASLA, RLA, LEED AP, GRP
University of Cincinnati

Dr. Youbin Zheng
University of Guelph

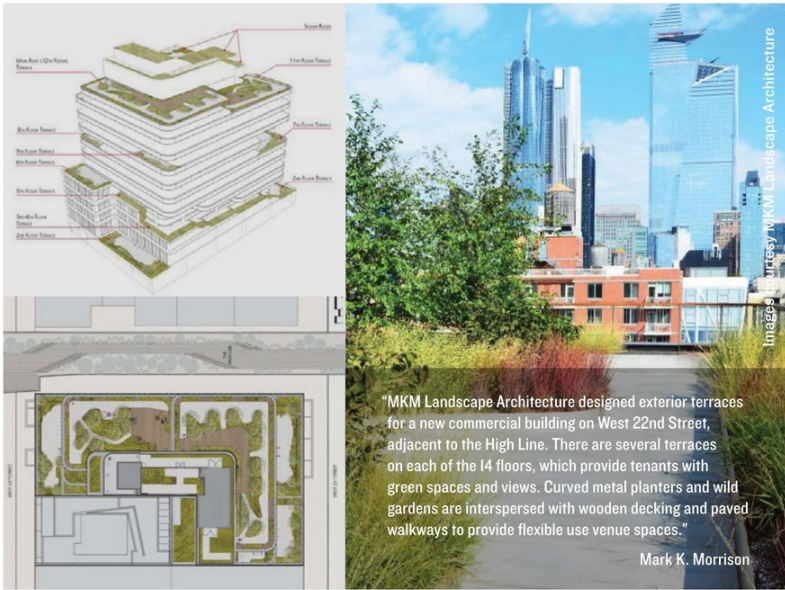
Peter Lowitt, FAICP
Devens Enterprise Commission

Hamid Karimi, PhD
DC Department of Energy
& Environment

Jeff Joslin
City of San Francisco

Awards to be presented at Grey To Green
Conference, DC, October 29, 2019.





"MKM Landscape Architecture designed exterior terraces for a new commercial building on West 22nd Street, adjacent to the High Line. There are several terraces on each of the 14 floors, which provide tenants with green spaces and views. Curved metal planters and wild gardens are interspersed with wooden decking and paved walkways to provide flexible use venue spaces."

Mark K. Morrison

WILD GARDENS IN MANHATTAN

The concept for the project is to create wild gardens in Manhattan that echo and enhance the nearby High Line, and provide habitat for birds and pollinators for a new commercial building on West 22nd Street, adjacent to the High Line.

Numerous terraces with intensive green roofs create outdoor rooms for projected commercial tenants. Curved planters and wild gardens interspersed with wooden decking and paved spaces provide flexible use venue spaces for tenants, both for retreat from the work environment, and on the tenth and eleventh floors, for events. By providing multiple planted terraces on every floor, as well as a several large planted terraces and vegetated upper roof, this project creates a green cool zone in an otherwise densely paved area.

Green roof media is installed throughout every terrace, including under the pavers, ensuring maximum stormwater absorption and retention, as well as encouraging plant roots to spread throughout the terraces, with the added benefit of making the trees and plants more wind-resistant as well.

The plantings have been selected to provide habitat for migrating birds and pollinators. The proximity of the High Line Park enhances the

opportunity for habitat, adding to a patchwork of green zones and small parks that are scattered throughout the Chelsea neighborhood just south of 34th Street. The building is on the Atlantic Flyway and therefore the plantings were selected to provide habitat for migrating birds, as well as pollinators. Each floor provides several terraces with outdoor spaces, creating vistas, and trees. The plantings are tall and lush, surrounding the people inhabiting the spaces with the opportunity to experience planted environments just by stepping through the wide access doors and edible grapes planted along the green screens.

The windows are set back under overhangs, both to provide shade for the terrace users, and to minimize bird strikes. All terraces have trees or columns in front of the windows to discourage bird strikes. Limestone / concrete pavers were locally sourced from a company in Brooklyn, NY. All wooden decking in this project is Kebony, which is very stable, and will not require any maintenance on the part of the building owners. It is a sustainable product since it is not a tropical hardwood. The plantings are all native and low-maintenance, with abundant ground covers, so once all is well-established, there should be bi-annual clean-ups, trimming, and fertilizing of trees.

CATEGORY
Intensive Commercial/
Industrial/Institutional

PROJECT
510 West 22nd Street

LOCATION
New York, NY

AWARD WINNER
MKM Landscape
Architecture PC

TEAM MEMBERS

Landscape Architect
MKM Landscape
Architecture PC

MEP Engineer
WSP Flack+Kutz

Building Code Consultants
Jam Consultants

Energy Modeling LEED Consultant
Viridian Energy
& Environmental

Elevator Consultant
Van Deusen & Associates

Acoustic Consultant
Shen Milson Wilke

Architect
Cookfox Architects, LLP

Structural Engineer
DeSimone Consulting
Engineers

Exterior Wall Consultant
Buro Happold Consulting
Engineers PC

Lighting Consultant
Brett Malak Lighting Design

Exterior Maintenance Consultant
Entek Engineering PLLC

D.O.T. Consultant
Delargent Design
Architecture PC