

# portfolio.

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AQUATIC BIO-PARK  
RED HOOK GARDENS  
BOHIO PAVILION W/ SAW.EARTH  
BED-STUY COMMUNITY CENTER  
WORK SAMPLES

# Aquatic Bio-Park

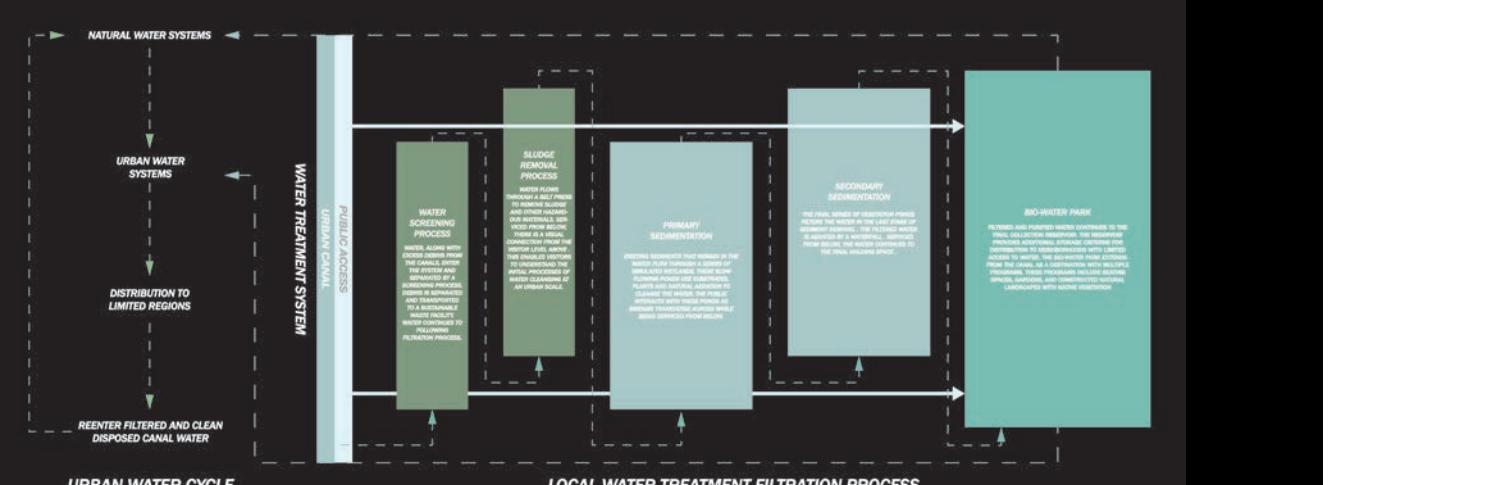
## Harmanizing Public Space and Water Treatment

Water has largely influenced the spatial organization and use of Rio De Janerio, Brasil. The Aquatic Bio-Park addresses the existing urban systems, in which, this project manipulates them into a harmonious landscape. This merge of systems provides vibrant public space and benefits to economy and social equity.

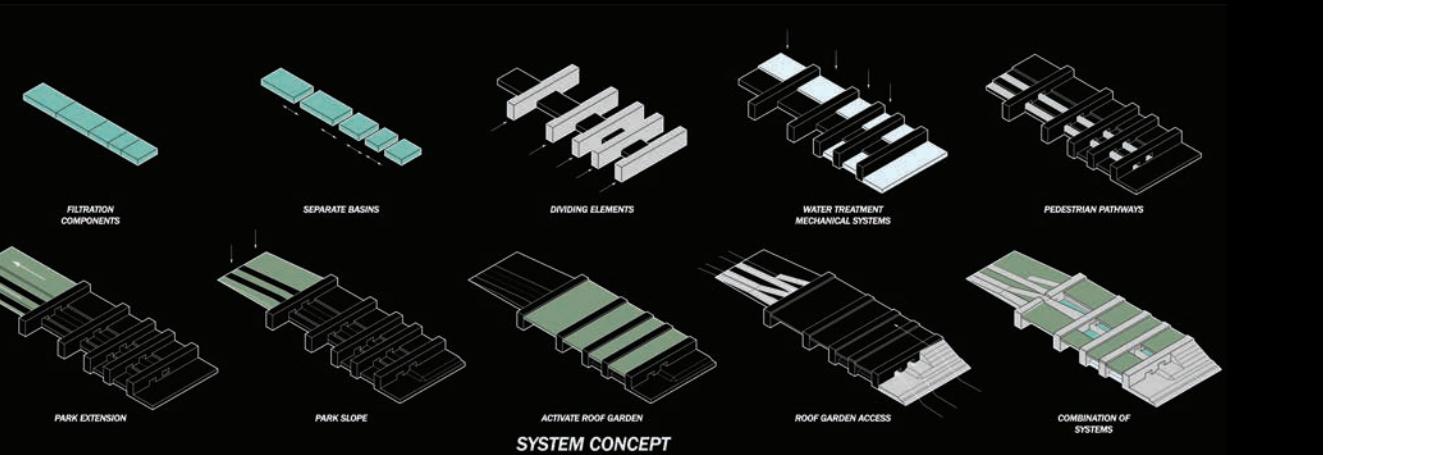
Utilizing the vast networks of canals in the city, various facilities provide the local communities with a blend of industrial and public space.

Water is purified through stages of simulated marshland and maintained from below. A park above hosts native plant species with views to outwards and below. Between, users experience an local spectral of the purification process.

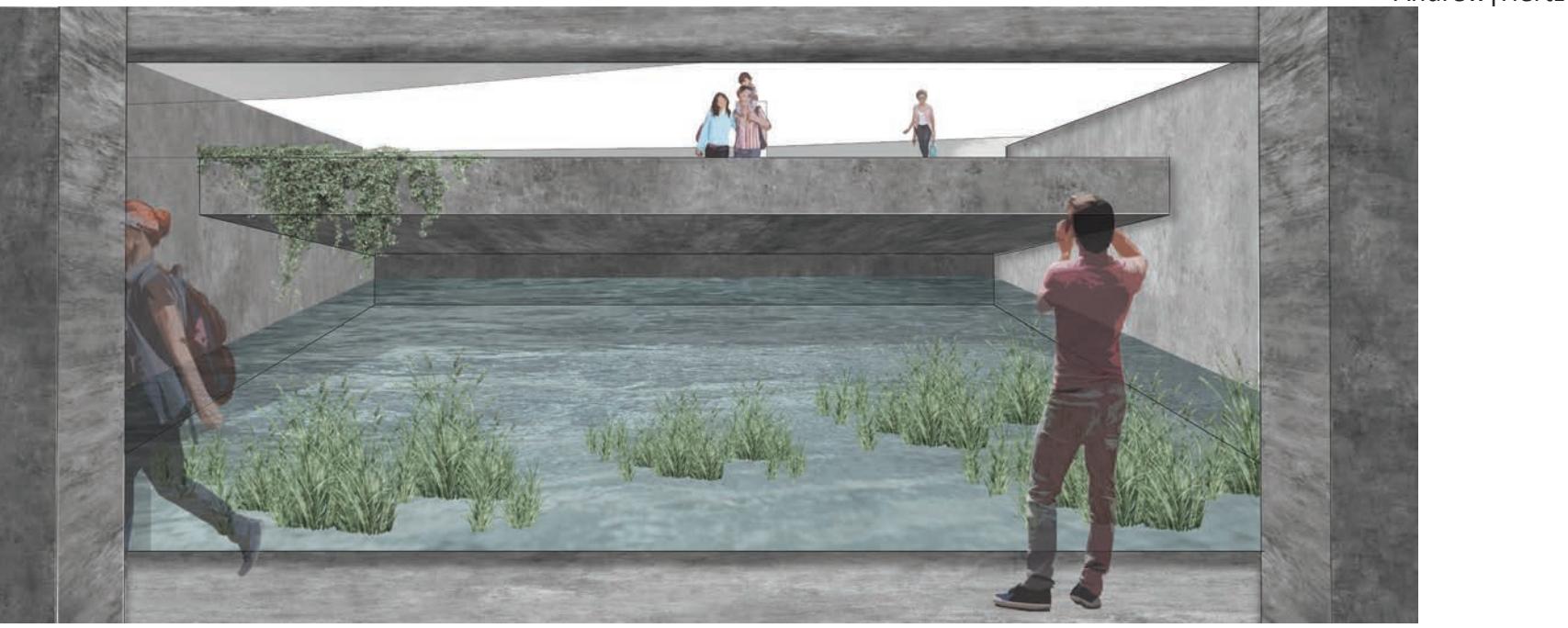
The linear journey terminates at the Bio-park, where all three levels gracefully interwine.



Urban and Local Systems Diagram



Building Concept Diagram



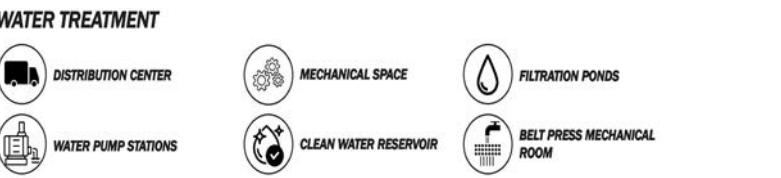
Primary Marsh Filtration - North View



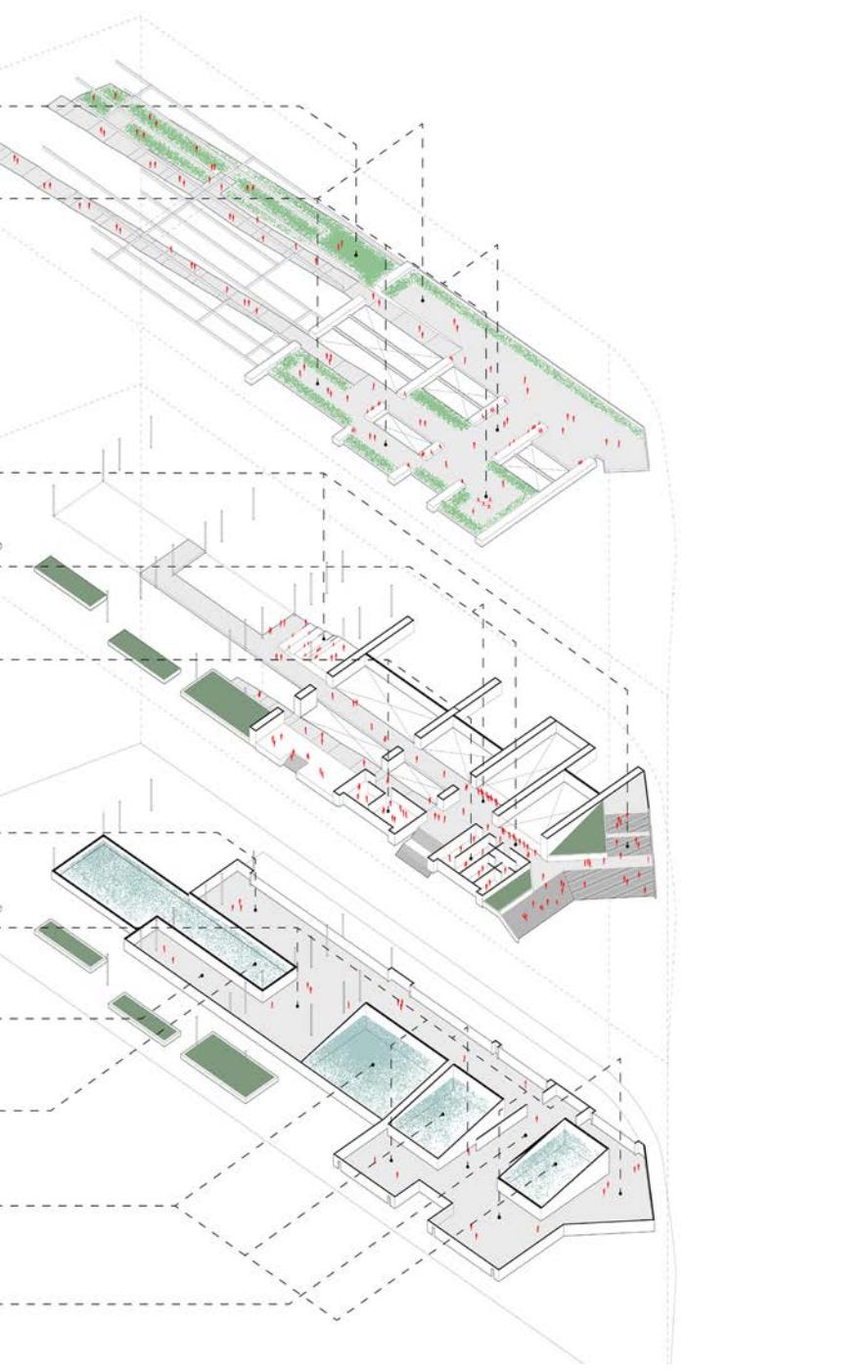
Spectator Bridgeway - West View



Seasonal Usage and Efficiency



Program



# Red Hook Gardens

## Recapturing a Vibrant Community

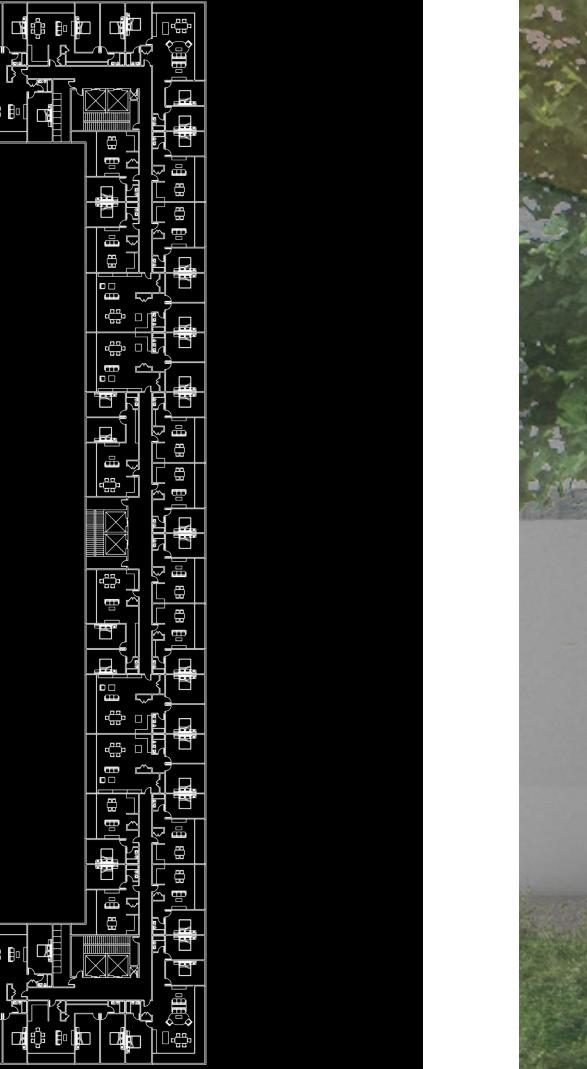
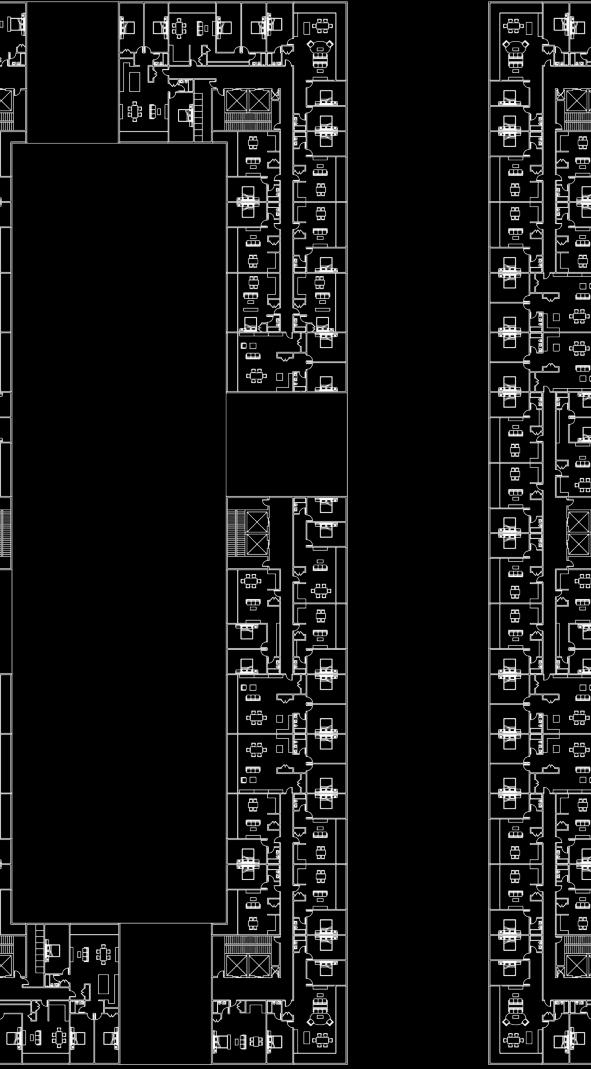
Red Hook Gardens is a total rebuild proposal for New York City Housing Authority's Red Hook East Houses. Research and mapping illustrate how inequities continue to burden the neighborhood of Red Hook.

Red Hook Gardens is resilient to coastal flooding while enhancing urban connectivity.

Public green courtyards provide different outdoor programs, decorated with saline vegetation and gathering spaces. Pedestrian paths and bike routes connect the public spaces and the city beyond.

The perimeter block housing elevated on pilotes consists of 1-3 bedroom units, all with balconies facing either courtyards or public pathways.

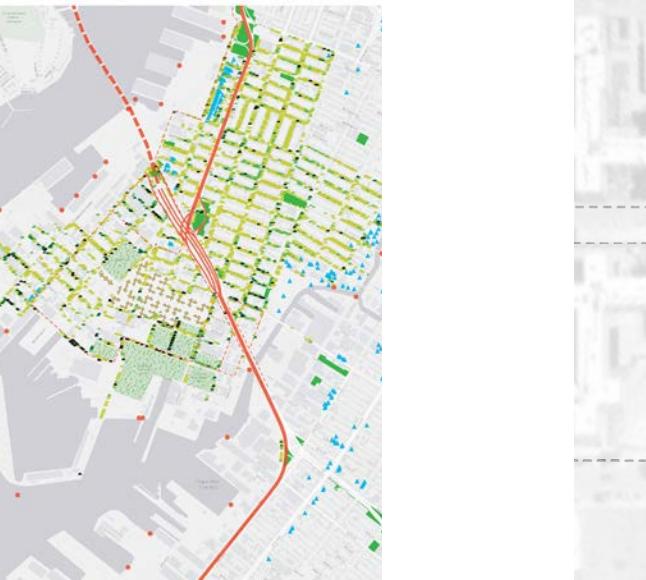
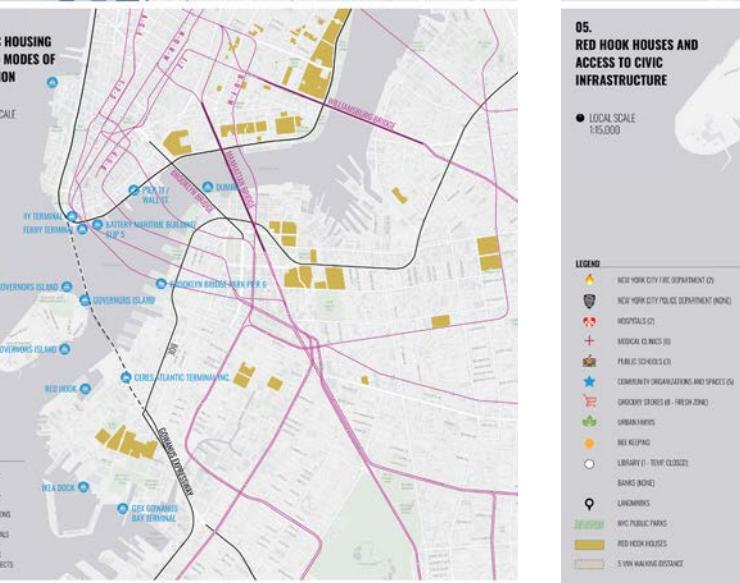
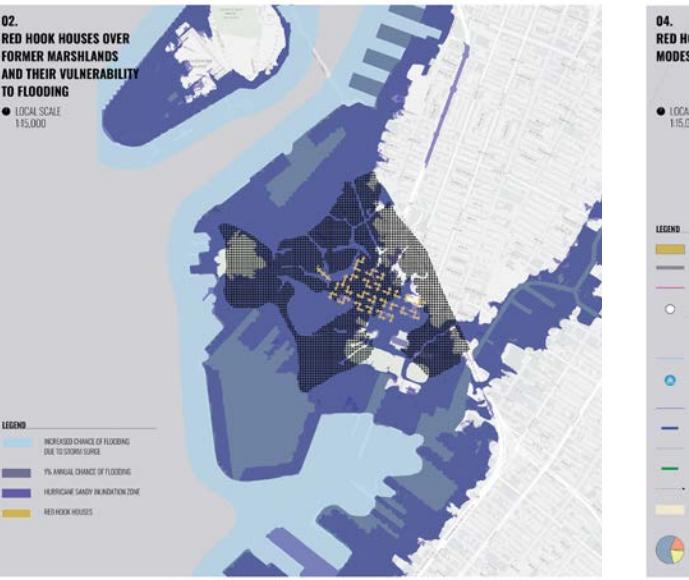
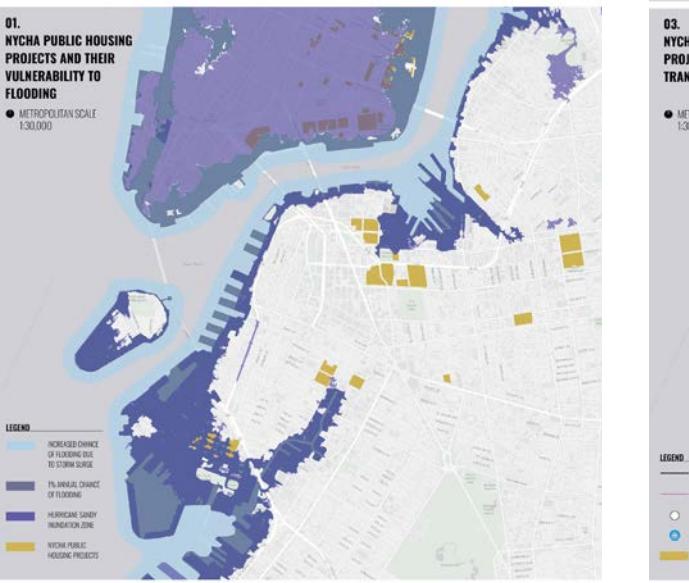
Project in collaboration with Fatema Dula, M. Arch, Class of 2024

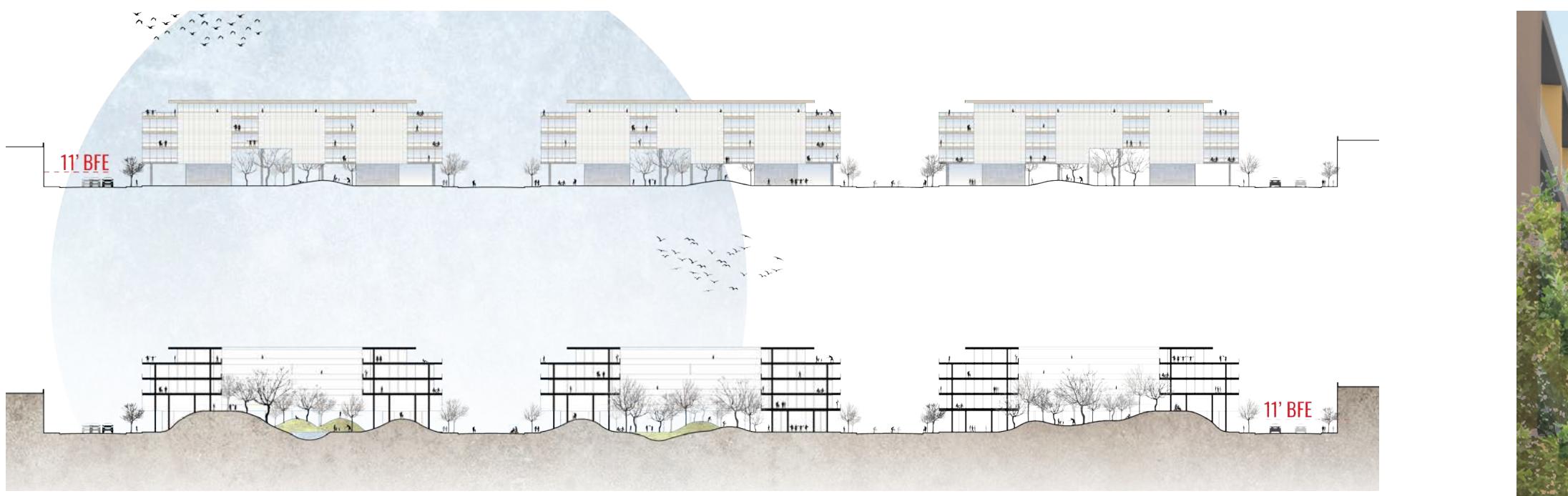


Lower Level and Upper Level Floor Plans

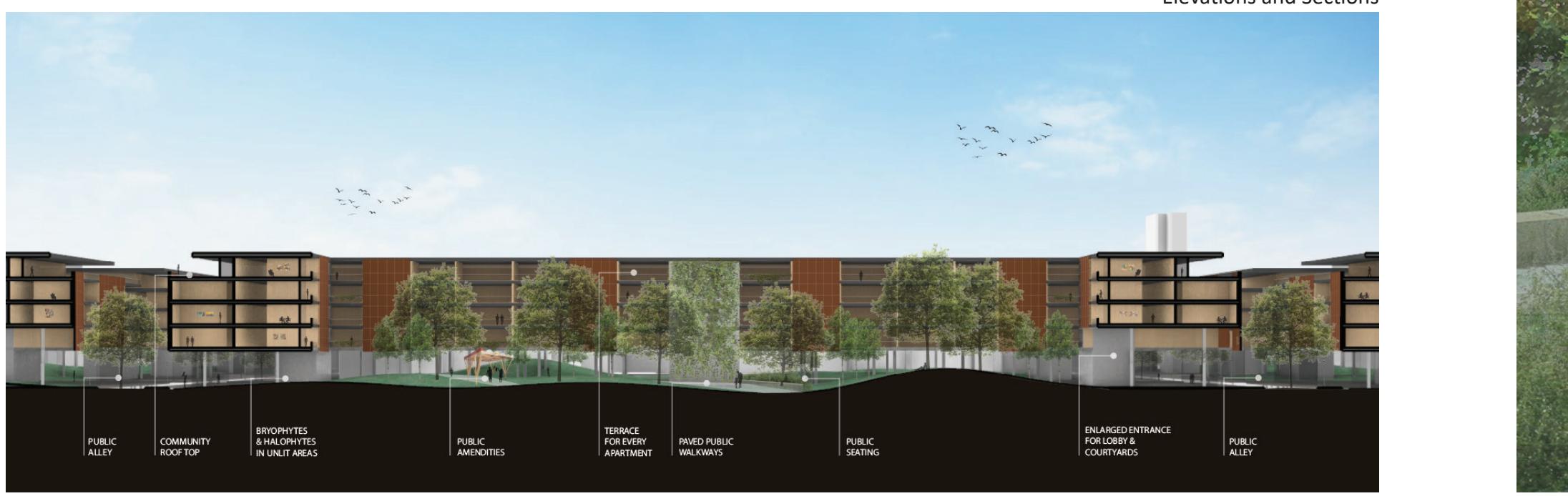


Pedestrian Walkway - North View





Elevations and Sections



Section Perspective



Courtyard Perspective East View

# Bohio Pavilion w/ SAW.EARTH

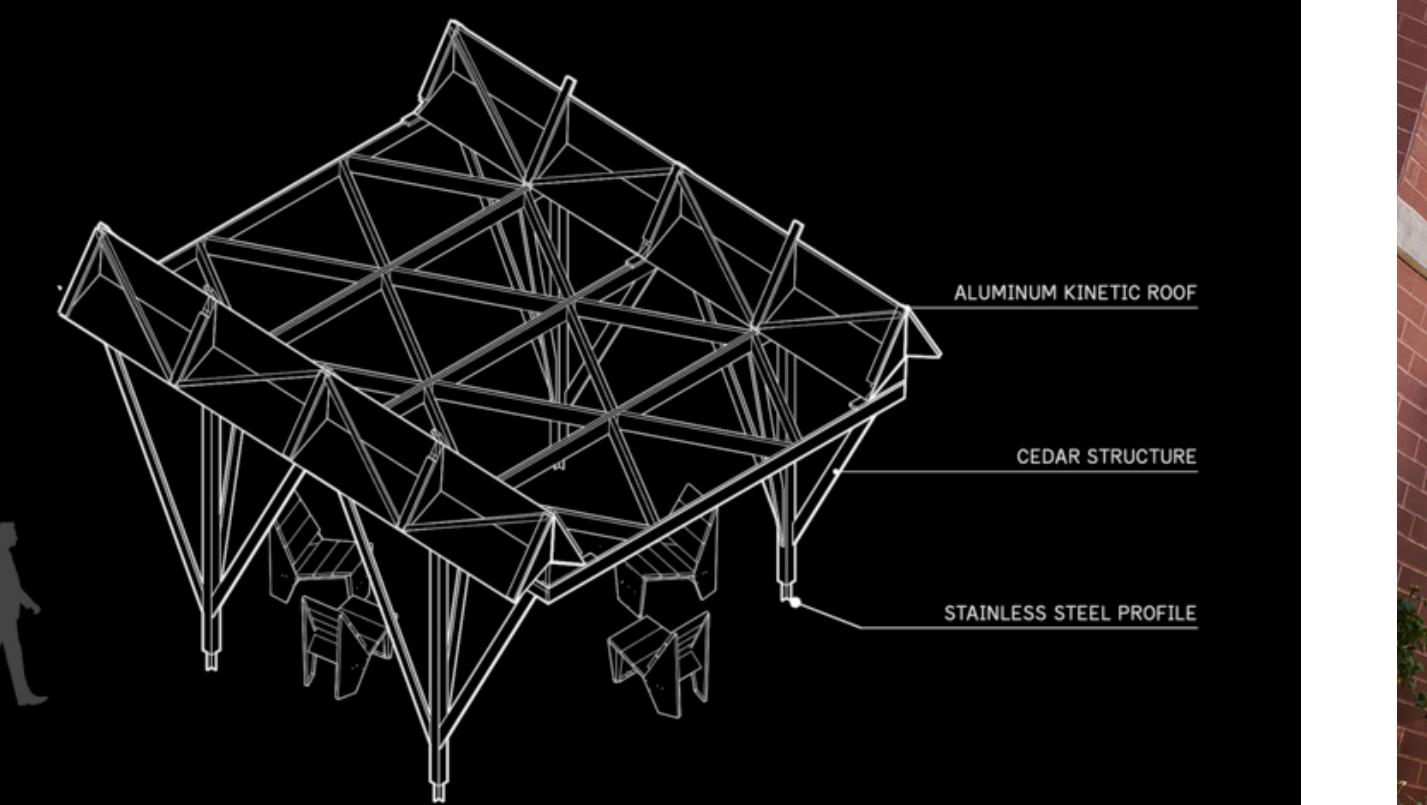
## A Gathering Space in El Barrio

Designed and built in conjunction with the New York Institute of Technology M.Arch studio and SAW.EARTH, the Bohio Pavilion was erected in 2023 in East Harlem, New York. The pavilion is designed to represent the rich Puerto Rican culture of the "El Barrio" community.

Constructed of wood and colored aluminum, the kinetic roof opens and closes, allowing the control of light and weather.

The pavilion serves the El Cataño Community Garden, with sheltered spaces for leisure and local community events such as Zumba classes, celebrations, and private events.

Photos taken by Christian Larsen.



Axonometric - Drawing by NYIT Studio



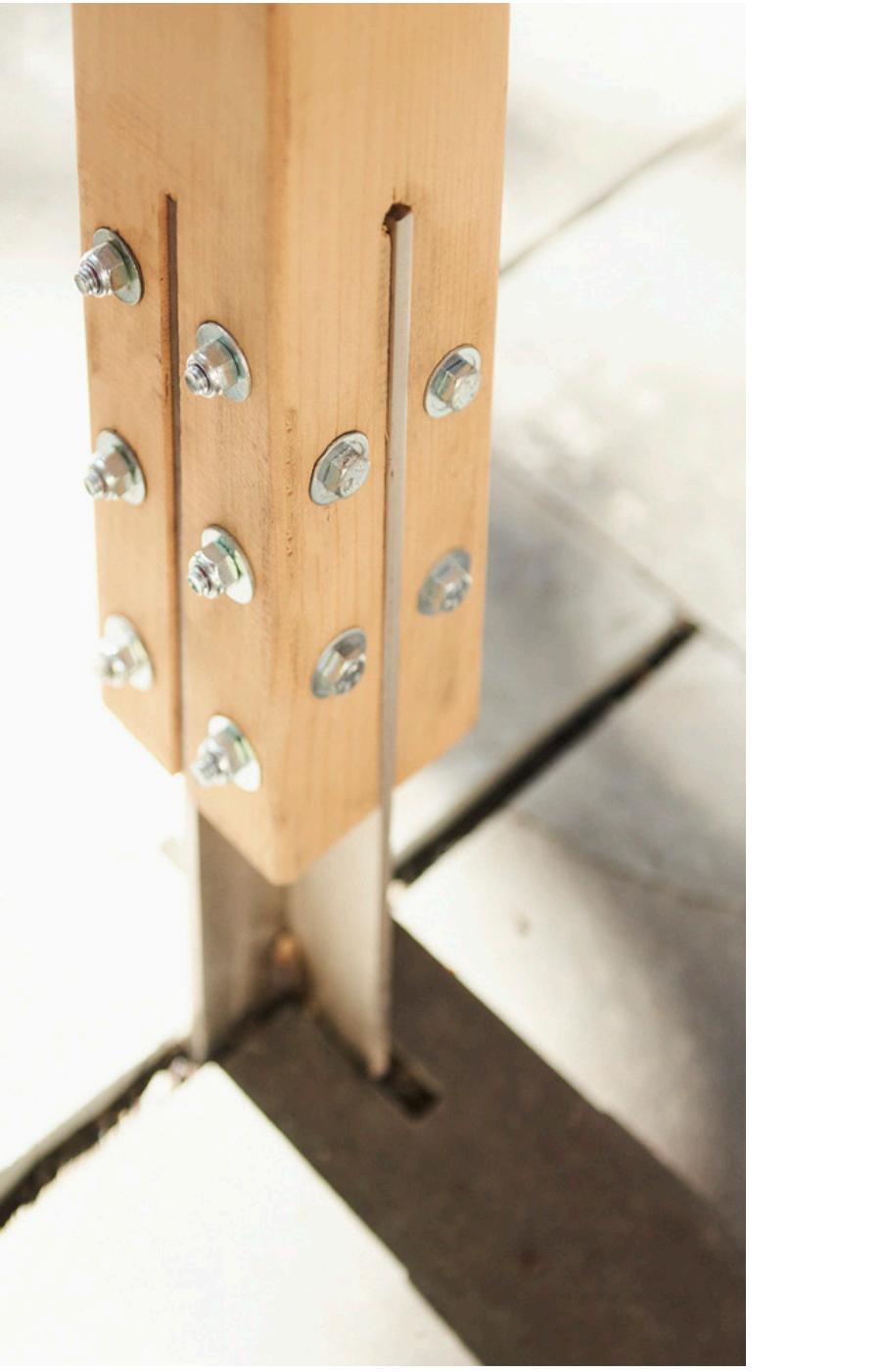
Pavilion - North View



Pavilion - North View



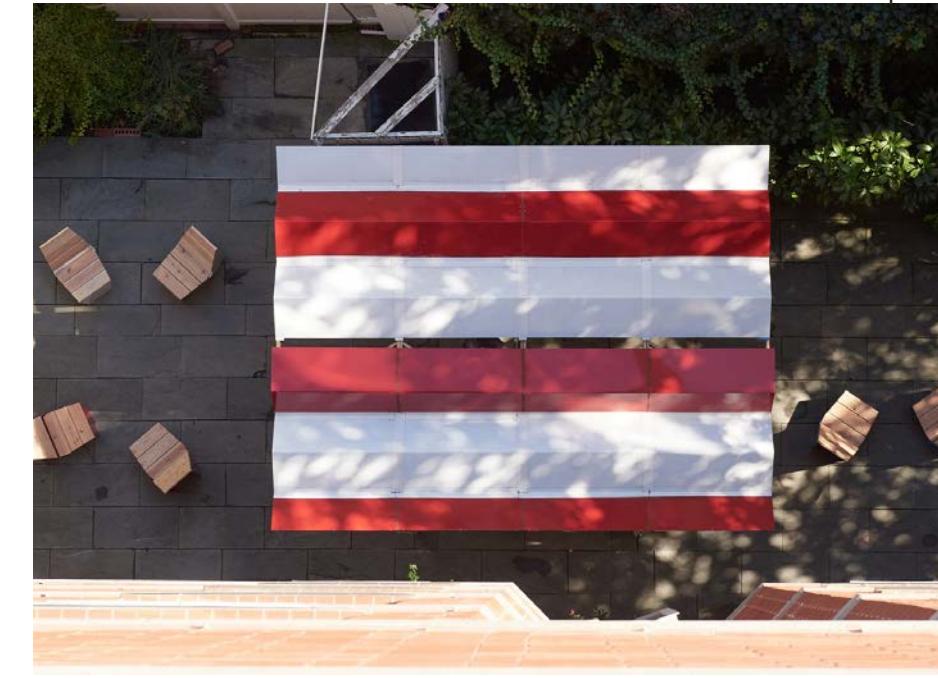
Pavilion - Southeast View



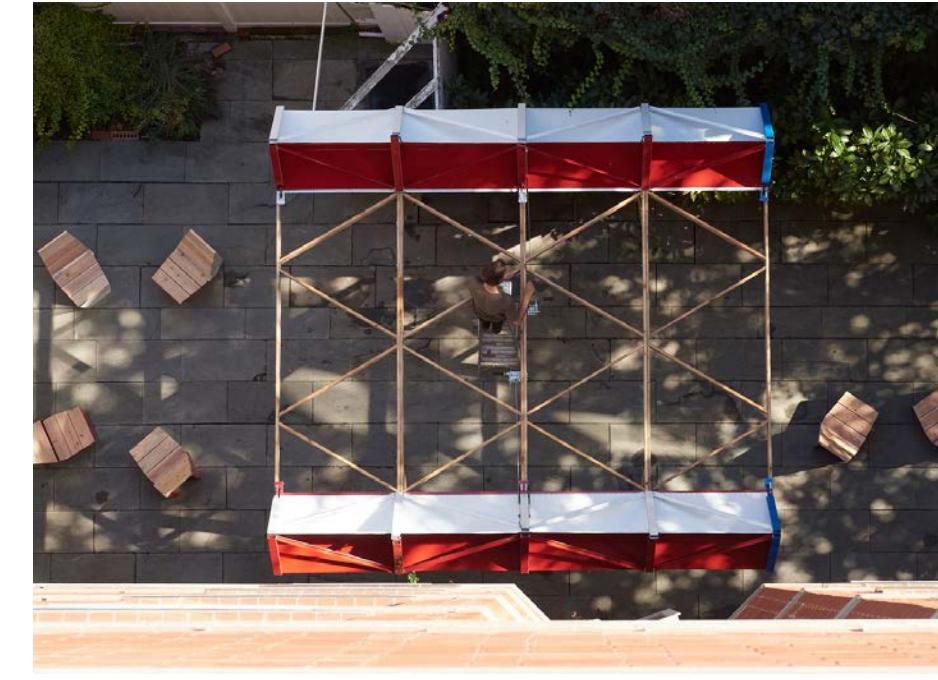
Pavilion - Footing Detail



Pavilion - Interior Southwest View



Pavilion - Closed Aerial View



Pavilion - Open Aerial View

# Bedford-Stuyvesant Community Center

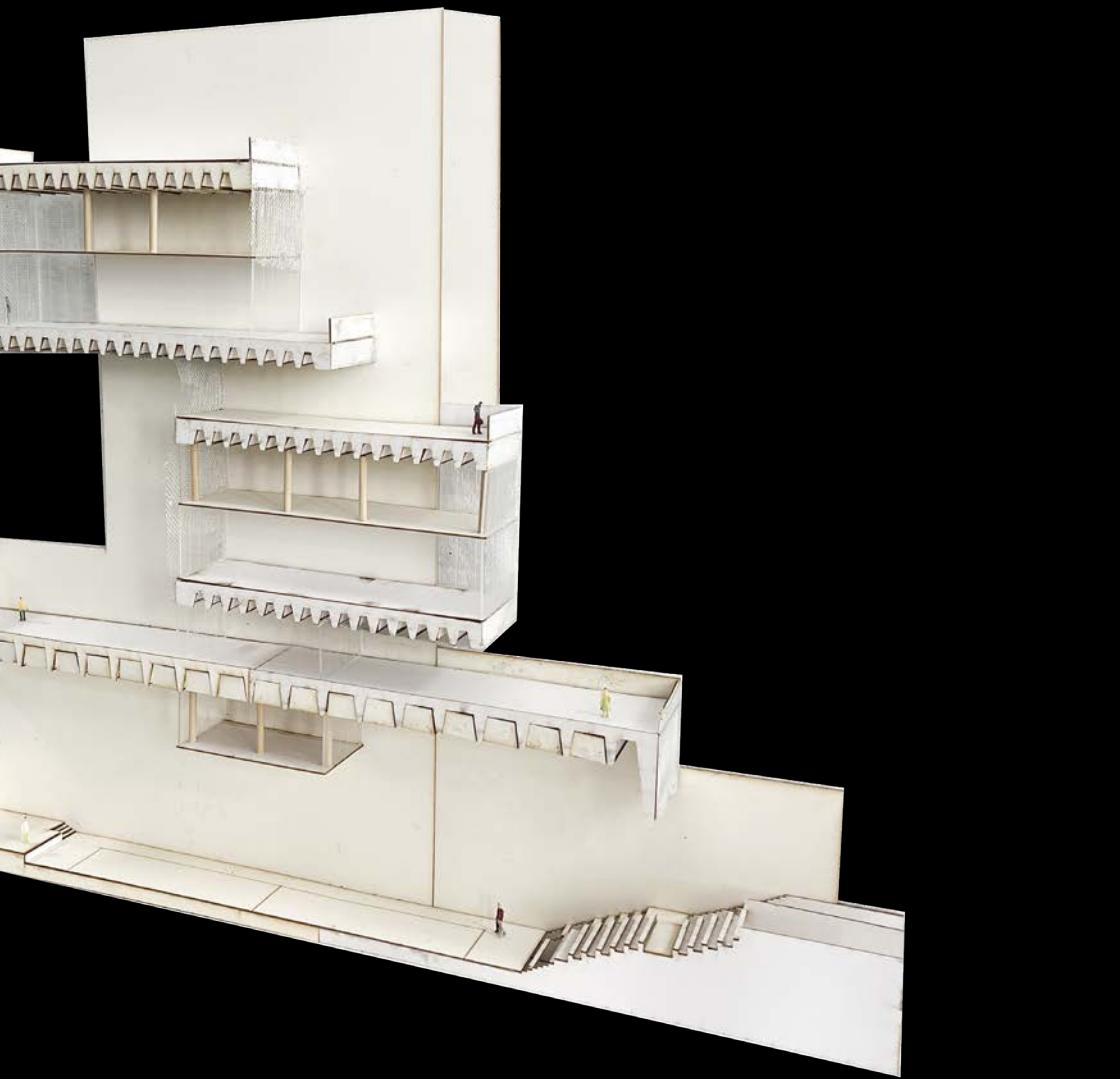
## Strengthening the Community

The Bedford-Stuyvesant Community Center is a comprehensive design focused on cultural resiliency, environmental sustainability, structural long spans, and more.

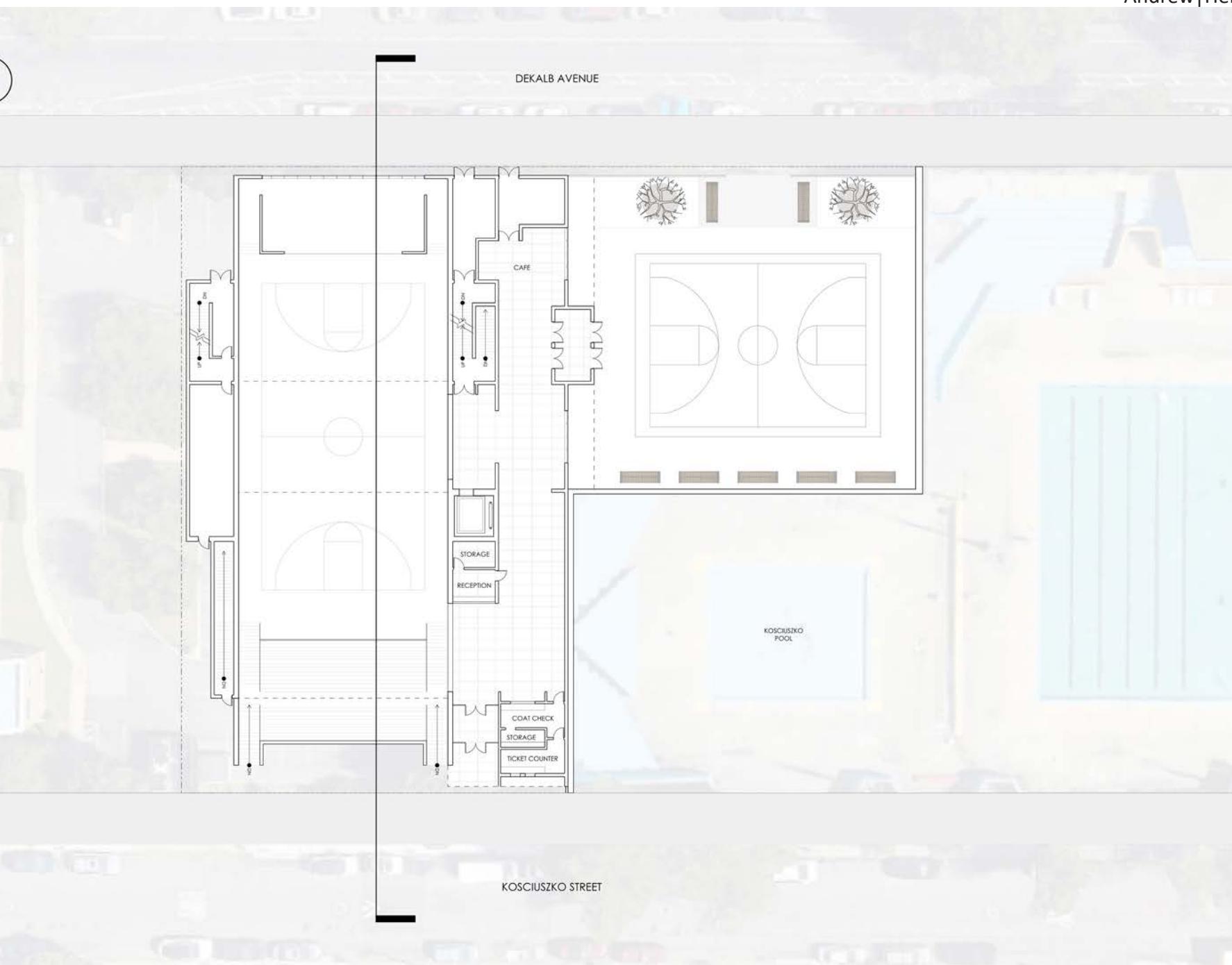
The building is organized into zones separated by activity use with gymnasiums and fitness spaces on the lower levels, and classrooms and offices on the upper levels.

The community center has visual connections from the outside-in, promoting engagement with the many programs which are otherwise scarce in the community.

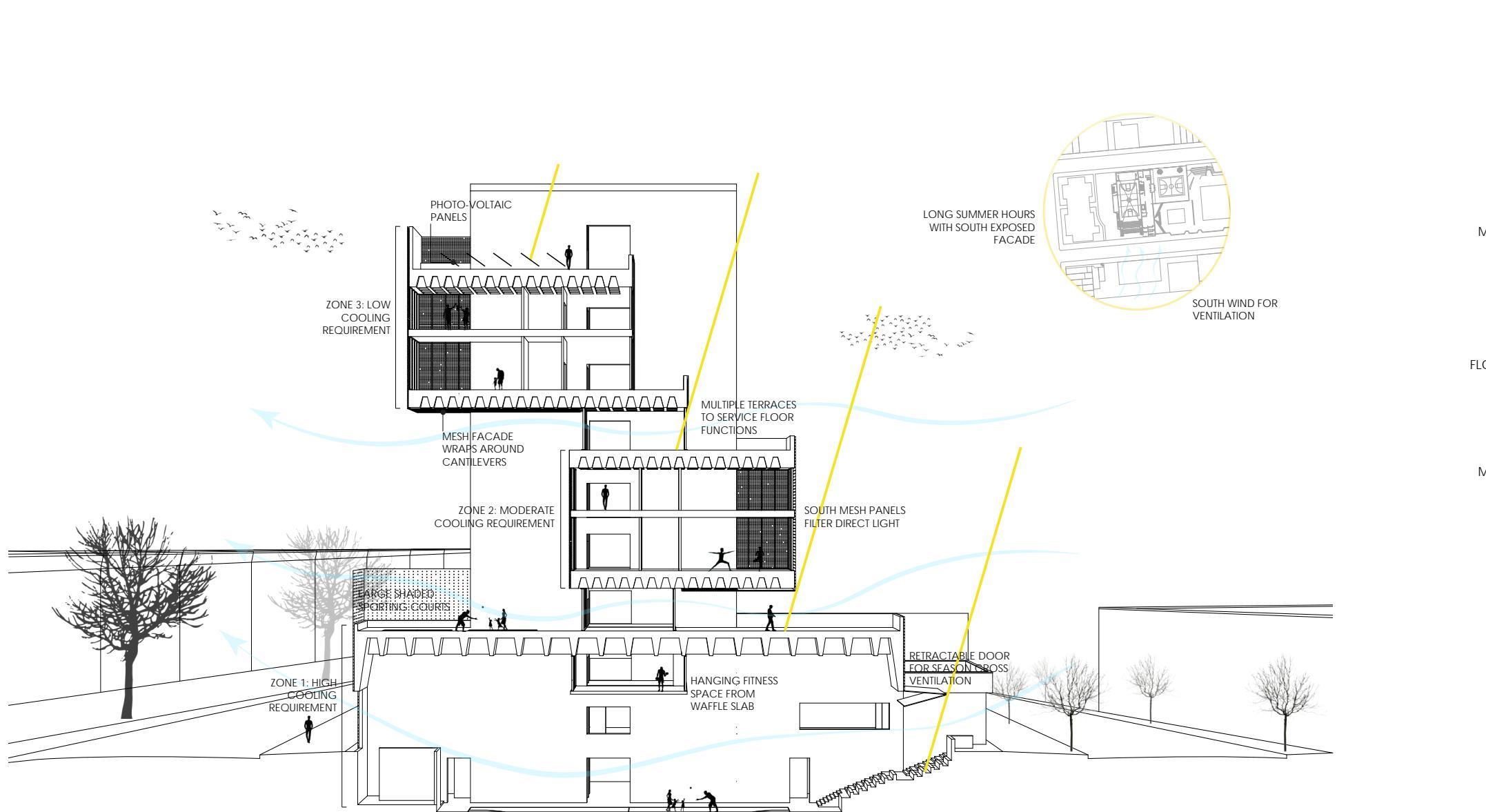
The structure is supported by two cores with shifting waffle-slabs. These slabs span between the cores to create levels and spatial conditions for the various programs for the users.



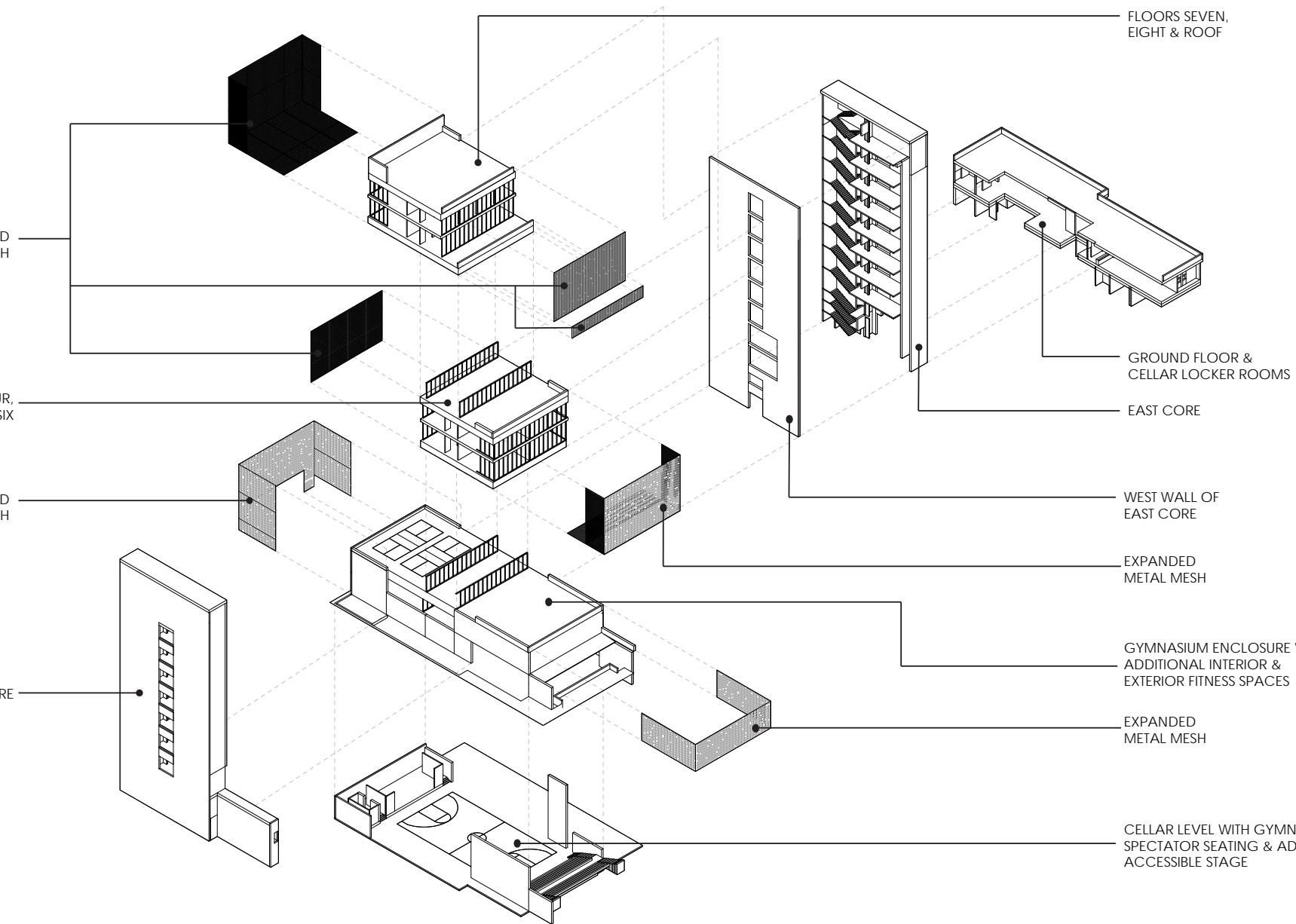
Section Model



Ground Floor Plan



Comprehensive Section



Exploded Axometric

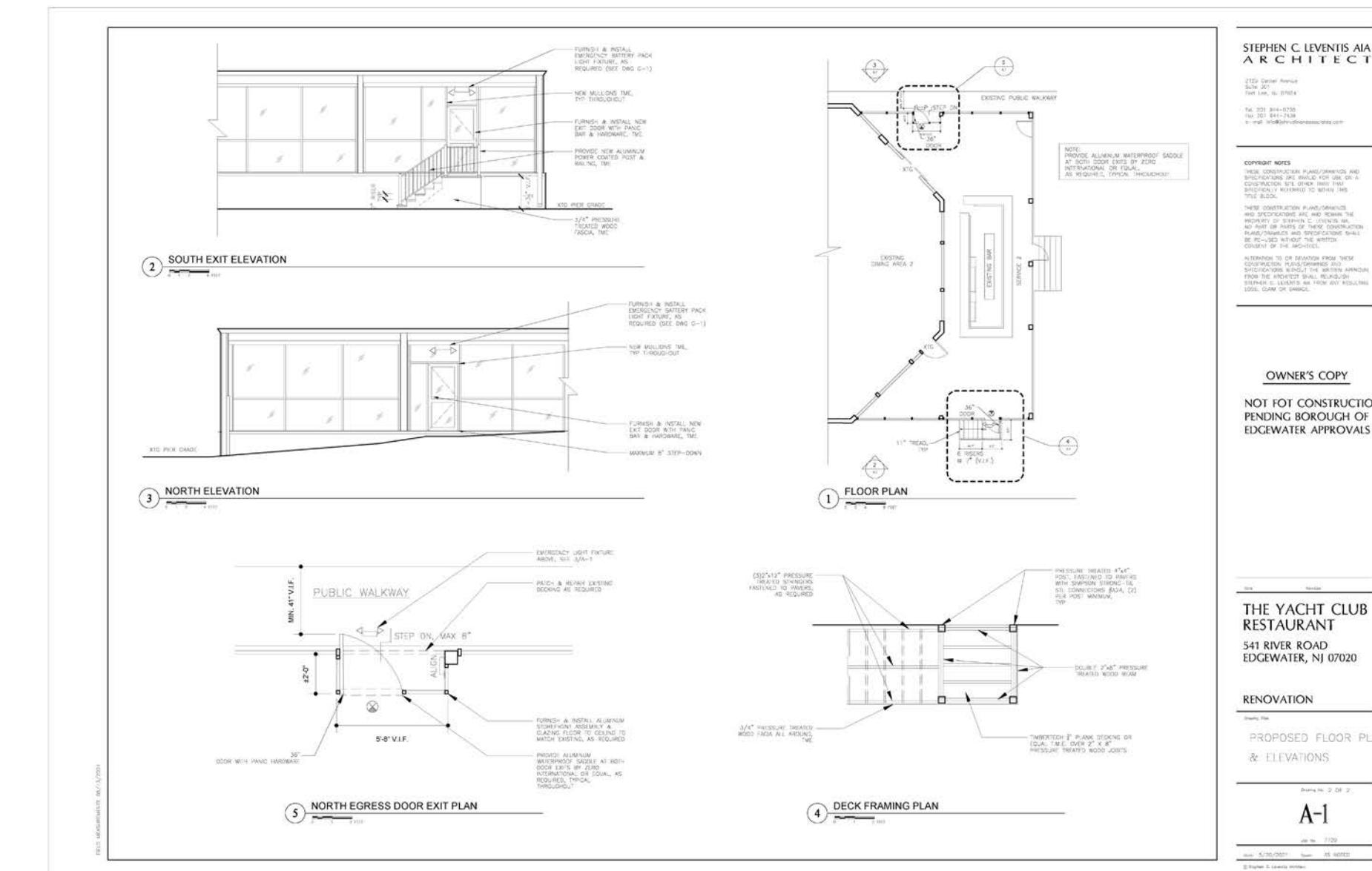
# Work Samples

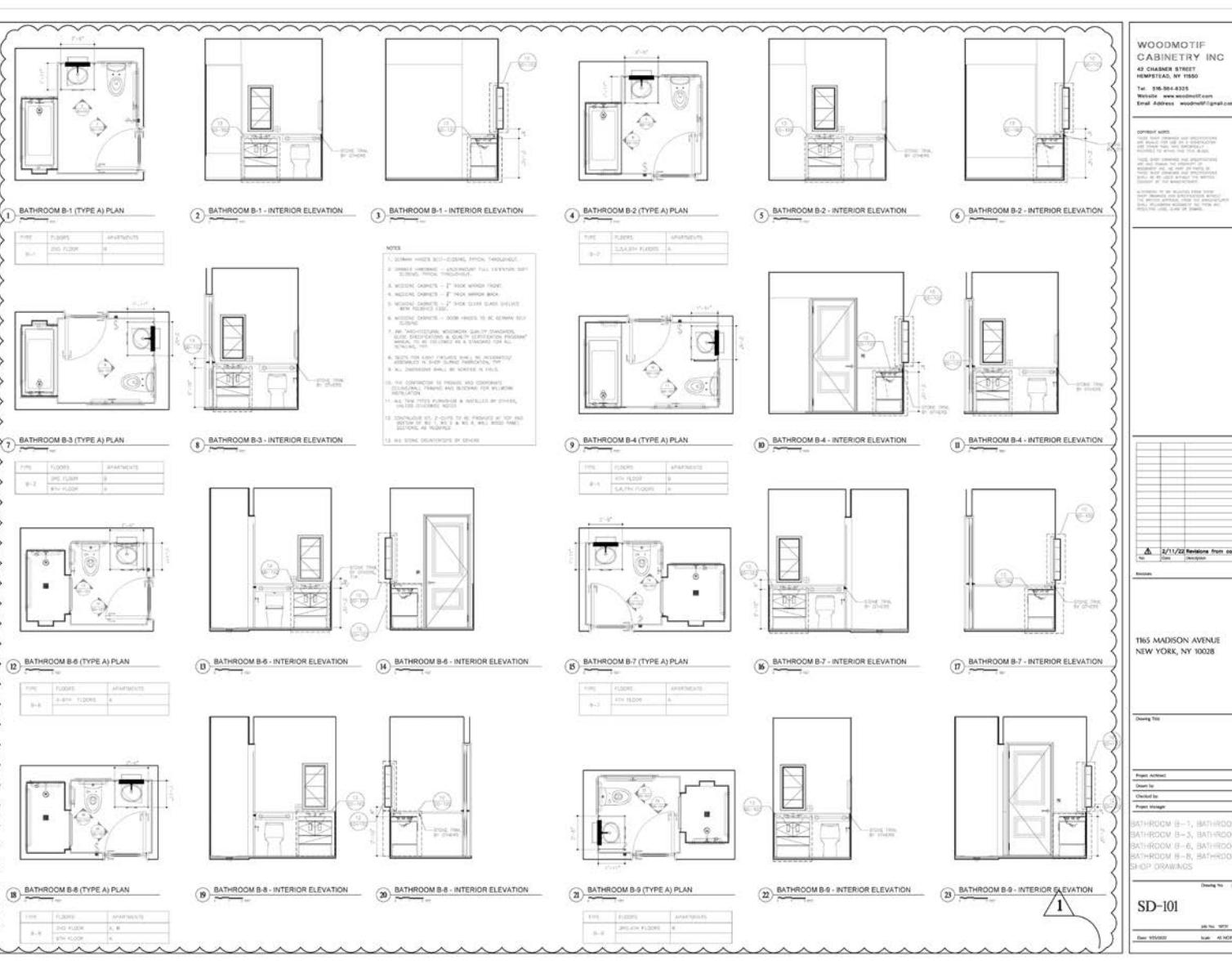
## Collective Works 2020-2024

My professional career began at John V. Dinan Associates in New York City, where I gained experience surveying buildings of various sizes and ages. I was responsible for drafting construction document sets, focusing on the sequence and organization of drawings.

I worked across multiple scales, from shop drawings to residential and commercial structures, with field measuring and documentation as key aspects of my role.

The samples presented here, from 2020–2024, showcase my drafting skills and ability to structure construction document sets. These submissions were completed under the supervision of Stephen Leventis.





# thank you.

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