

PORT FOLIO



My name is Alexandru Breban, an architecture student at the New York Institute of Technology (NYIT). Architecture for me is a platform to develop design and understand the technical, but most importantly a way in which we can use those two ideas to change people's experiences.

The experience gained from design studio, mixed with professional experience, has helped me become more involved in the meaning of architecture. Understanding the role architecture has within our day to day lives and how it can help us.

I am eager to apply my overall knowledge and design skills to real-world projects that can create a positive impact on communities and the environment. I am interested in learning from experienced professionals and expanding my network within architecture.



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ALEXANDRU BREBAN

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PROFILE

Entry level architecture student passionate about understanding people's experiences through architectural design and visualization. Skilled software, such as Revit, Rhino, Adobe suite, and Enscape. Is detailed oriented and quick to adapt.

EDUCATION

New York Institute of Technology, Manhattan, NY

Graduated - May 2024

Bachelor in Architecture

SKILLS

Software: Rhino, Revit, Adobe Suite, Enscape, Grasshopper, Microsoft Office, Google Workspace

Language: English (*Native*) & Romanian (*Fluent*)

EXPERIENCE

NYIT, New York, NY

Jan. 2024 - May 2024

Teaching Assistant

- Helped 1st year students in the School of Architecture and Design with visualization.
- Worked in coordination with the professor to help students with their software skills

New York City Housing Authority

Jul. 2023 - Sept. 2023

Architectural Intern

- Communicated with residents for lobby and greenspace renovations at NYCHA developments
- Developed architectural drawings and presented for lobby renovations at a development
- Developed 3-D modeling of a development for proposed community center

Adcorad LLC, Fairfield, CT

Aug. 2016 - Jun. 2018

Intern

- Researched and sourced construction materials for projects
- Assisted in the physical demolition and construction of projects
- Communicated and provided updates to clients on projects

AWARDS & LEADERSHIP

- NYIT Presidential Honor List 2020 - 2024 (Magna Cum Laude)
- National Society of Leadership and Success member 2020 - 2024

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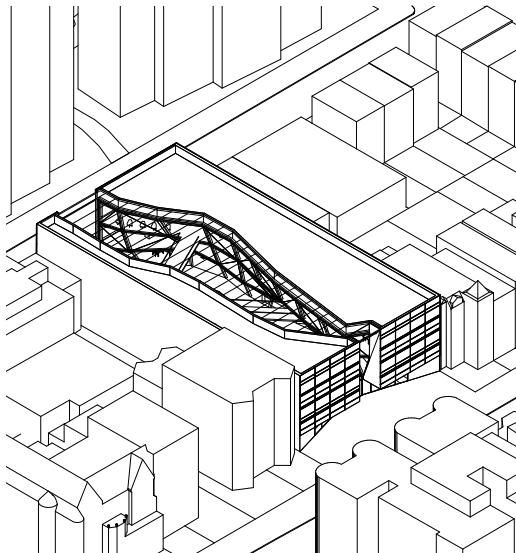
01

BPL CLINTON HILL

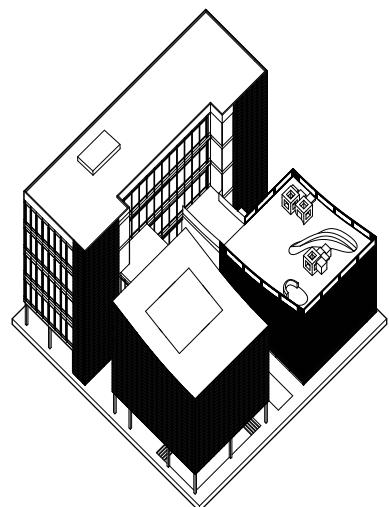
Location: Brooklyn, NY

Scale: 0.5 Acres

Public library redevelopment



02



CLINTON HILL CC

Location: Brooklyn, NY

Scale: 0.7 Acres

Community Center

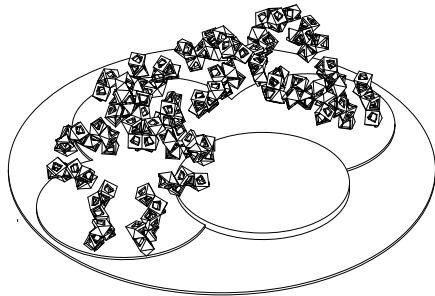
03

BURNING MAN PAVILION

Location: Black Rock Desert, NV

Scale: 0.1 Acres

Temporary pavilion for music festival



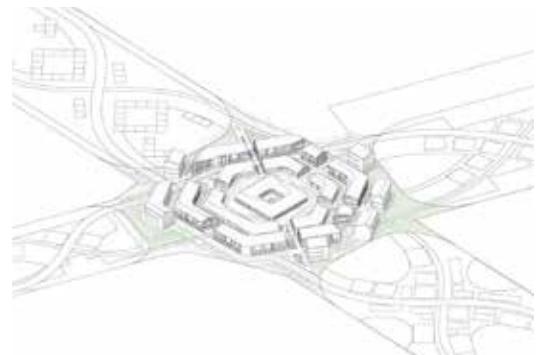
05

THE HEART

Location: Brooklyn, NY

Scale: 4.6 Acres

Health & wellness center



04



NYCHA PATTERSON

Location: Bronx, NY

Scale: 22 Acres

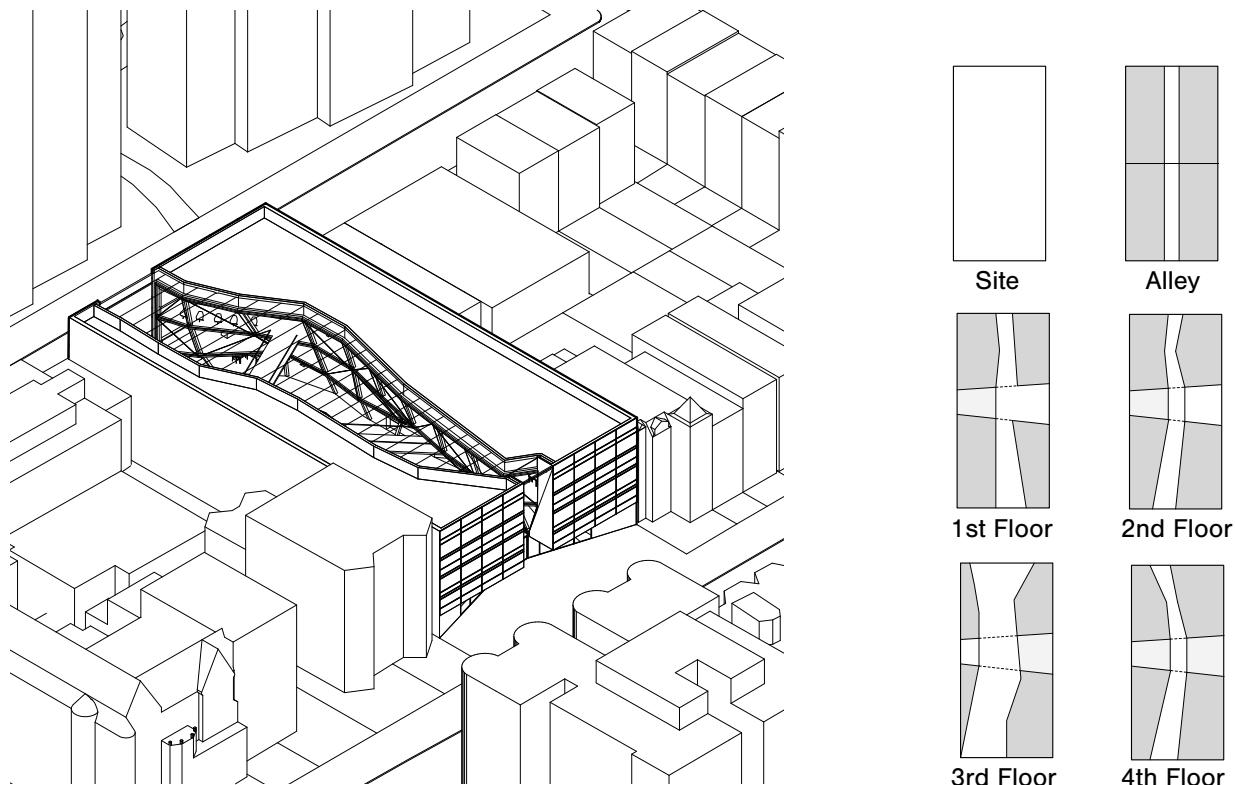
NYCHA greenspace redevelopment

BPL CLINTON HILL

Architectural Design 05
Supervised by Andrew Thomas
Fall 2022

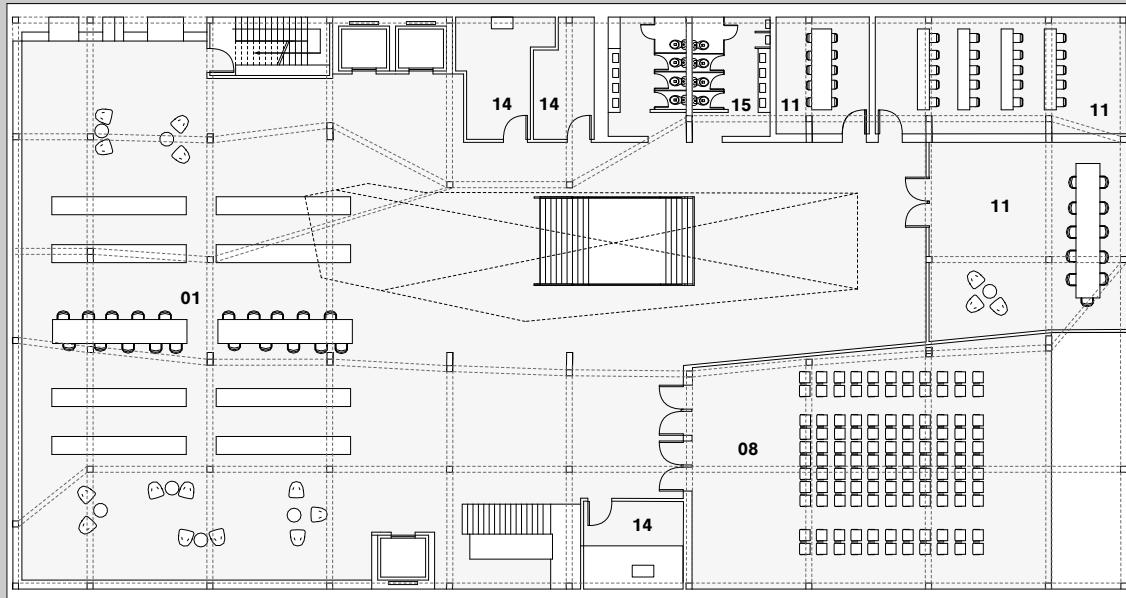
Reforming the Brooklyn Public Library system through the overhaul of the existing library branch, which sits on 0.5 acres, located at 380 Washington AVE. BPL Clinton Hill looks at the development of an internal street that integrates itself into the fabric of Clinton Hill.

The design language of BPL Clinton Hill is informed by the preexisting brownstones on either side regarding form and pays careful attention to contextualize the library branch within the Brooklyn Brownstone typology. The creation of the internal street is characterized by the 'Solar Canyon' which breaks from the design seen in elevation and works with the sun to influence its design and ecology.

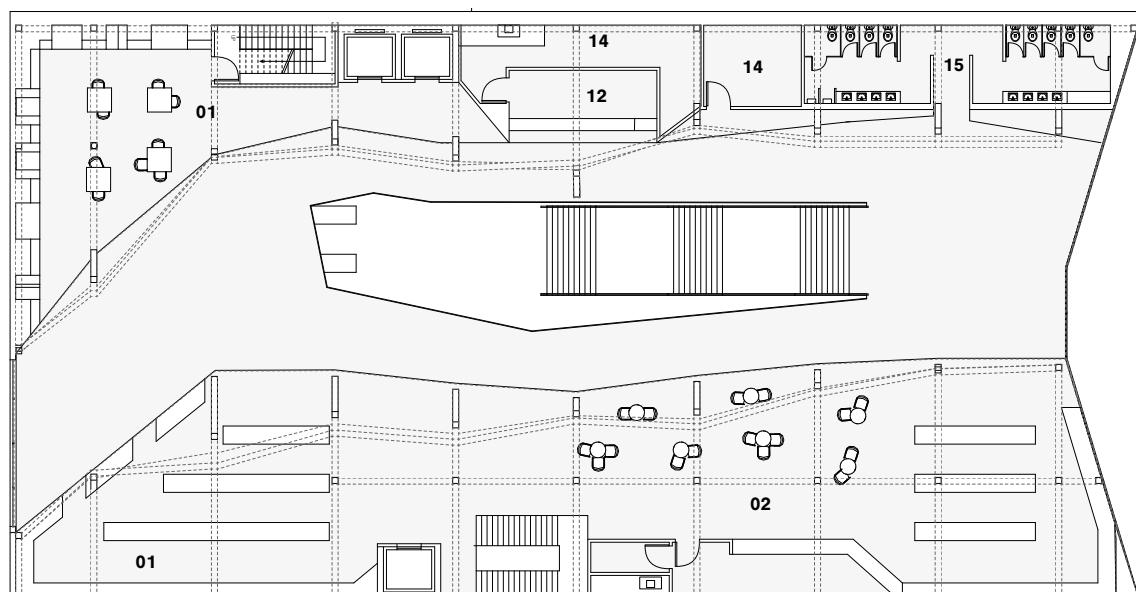






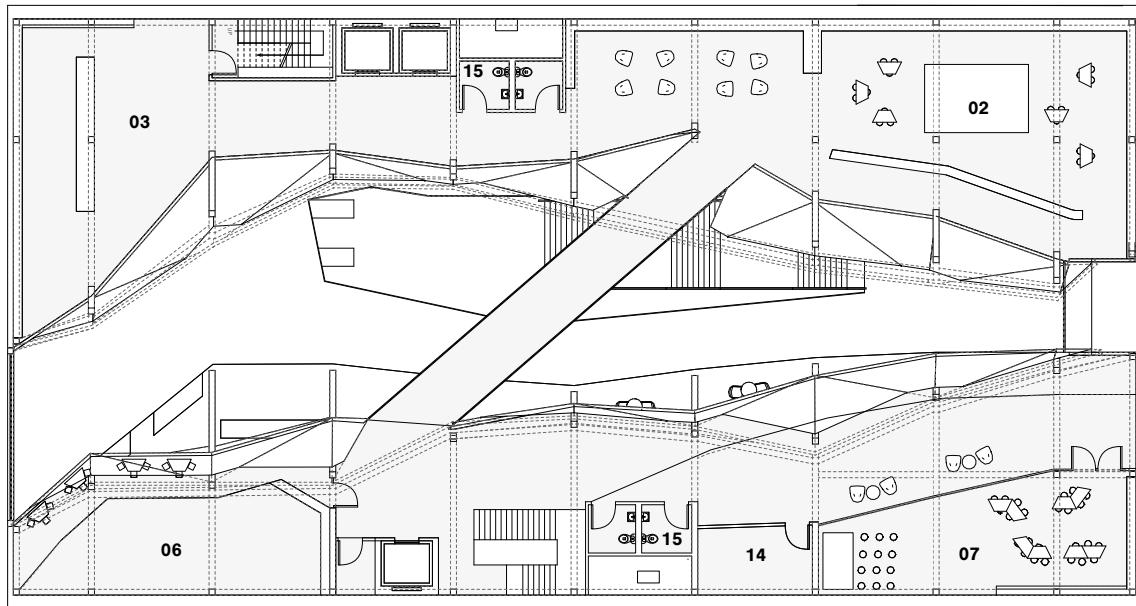


Lower Lever Plan

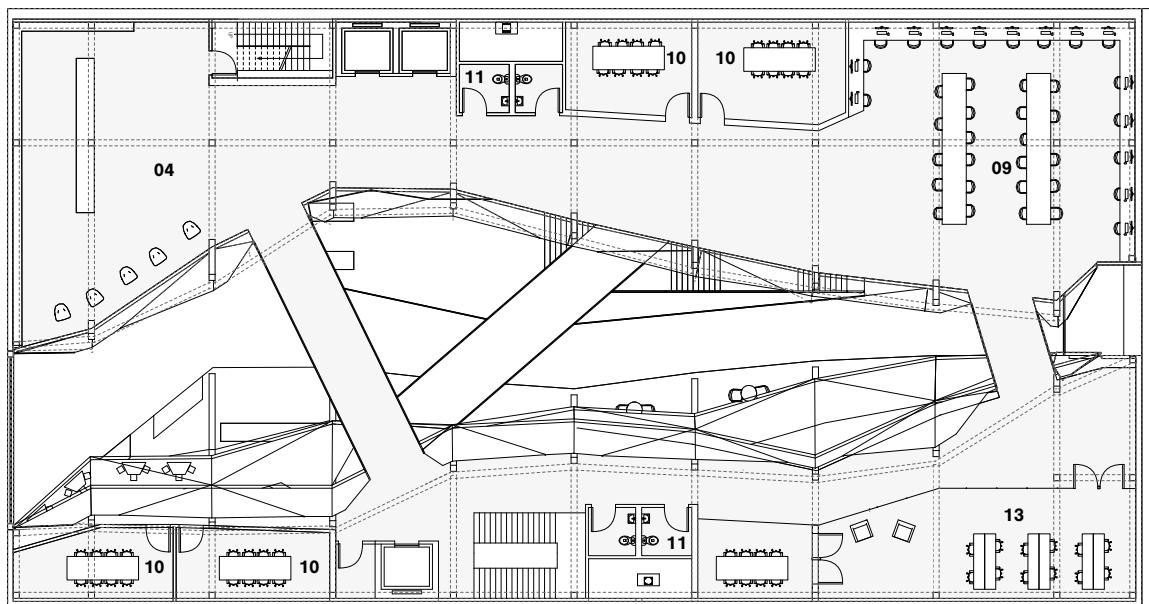


Ground Floor Plan

01 General Reading Room	02 Childrens Reading Room	03 Y/A Reading Room	04 Adult Reading Room
05 Cafe	06 Playspace	07 Arts & Crafts	08 Auditorium
09 Digital Printing Lab	10 Classrooms	11 Meeting Rooms	12 Information Desk
13 Administration	14 Storage	15 Restroom	



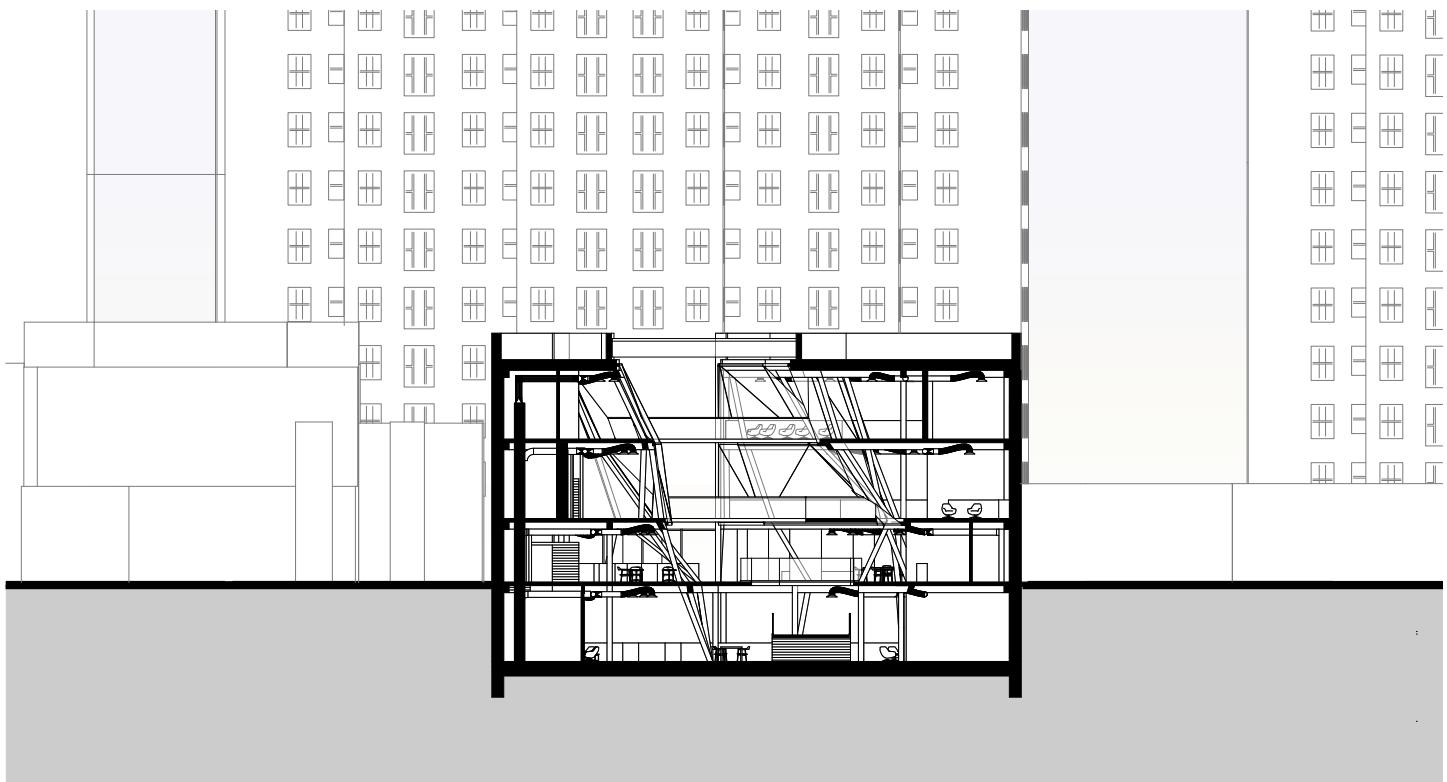
Second Floor Plan



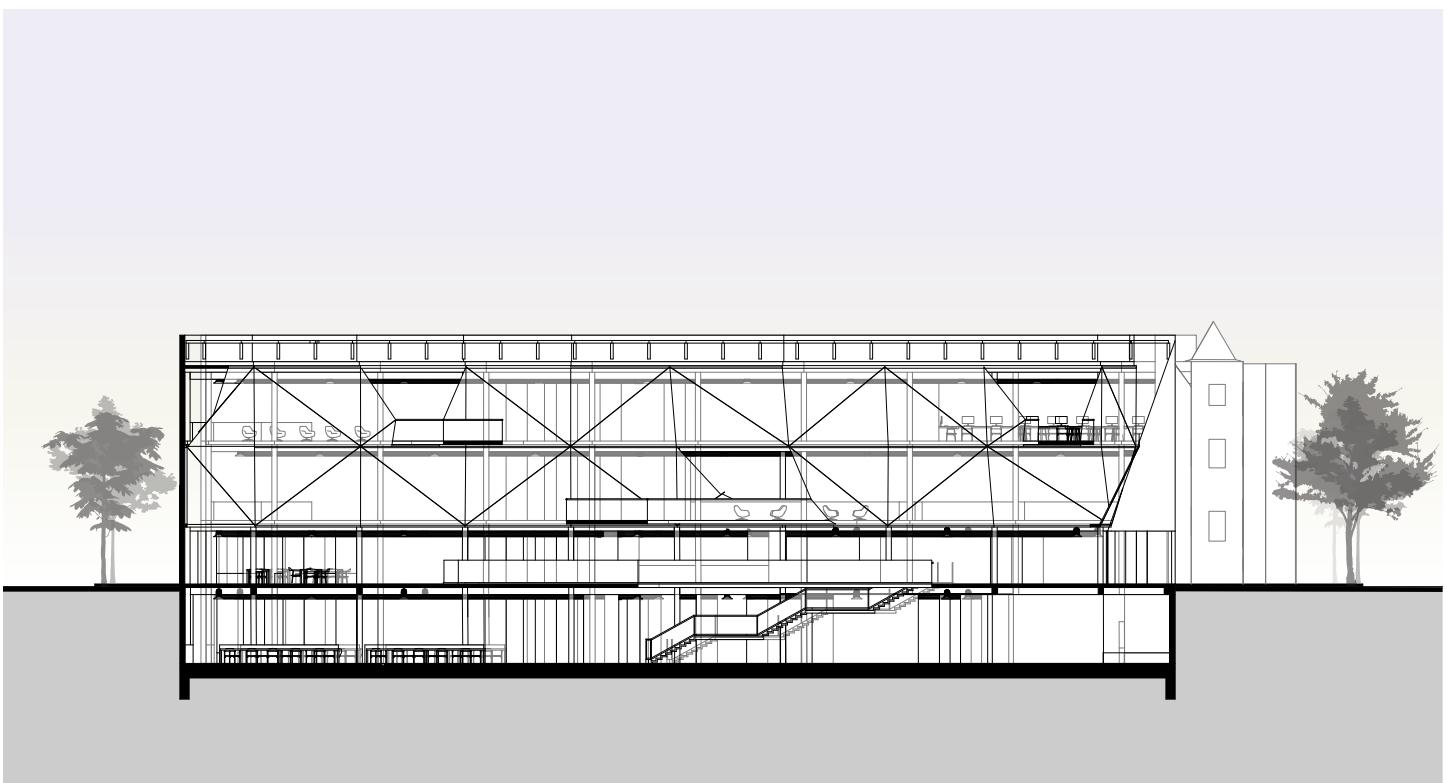
Third Floor Plan

01 General Reading Room	02 Childrens Reading Room	03 Y/A Reading Room	04 Adult Reading Room
05 Cafe	06 Playspace	07 Arts & Crafts	08 Auditorium
09 Digital Printing Lab	10 Classrooms	11 Meeting Rooms	12 Information Desk
13 Administration	14 Storage	15 Restroom	

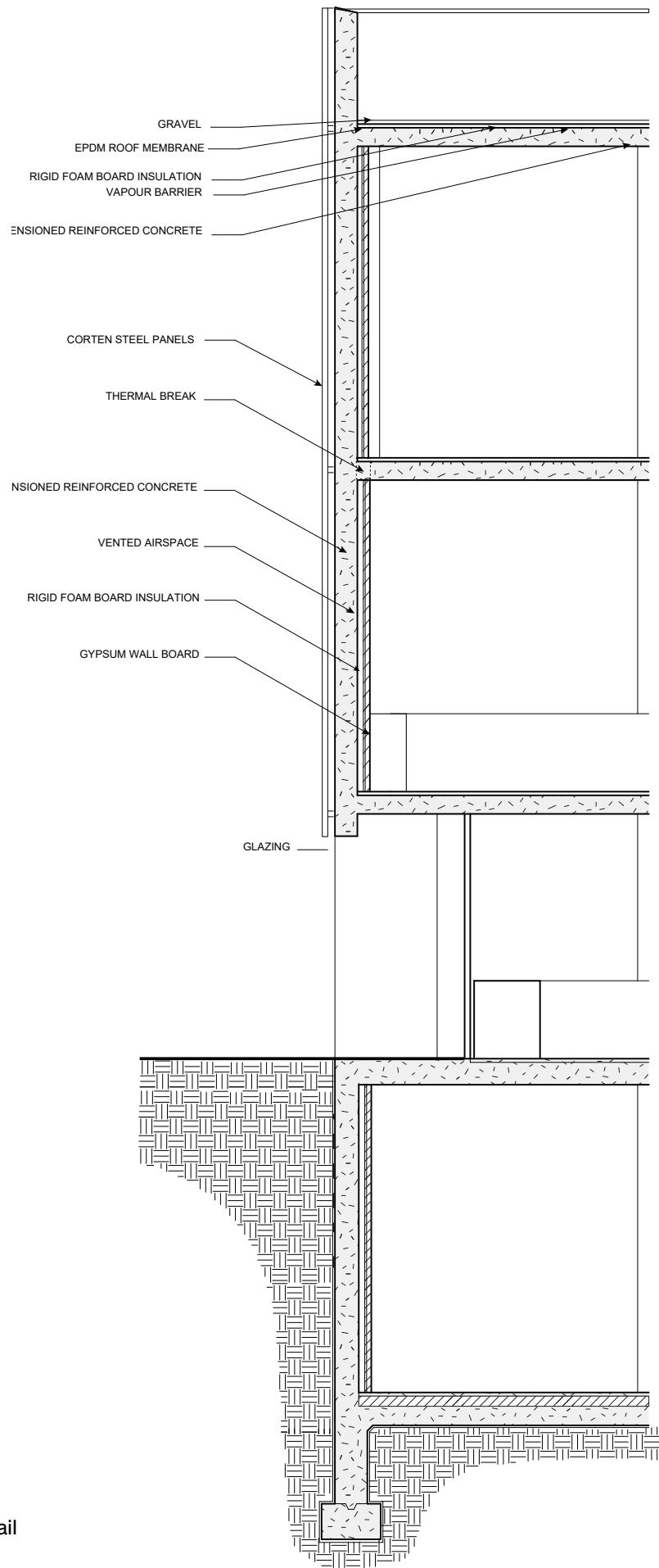




Section A



Section B



Section Detail





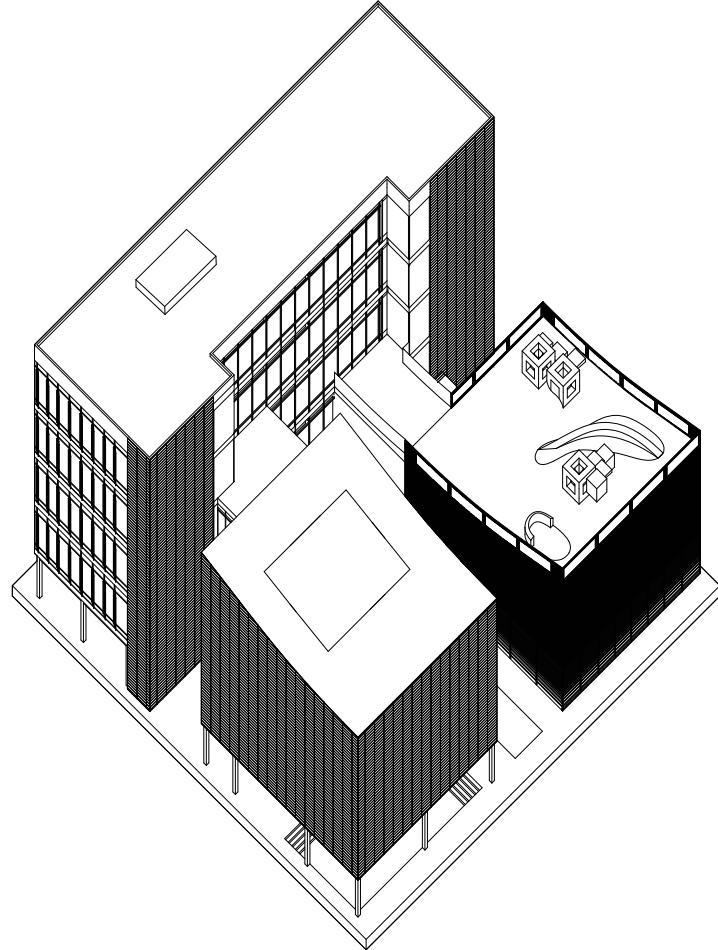
Exterior Facade

CLINTON HILL CC

Architectural Design 04
Supervised by Michael Schwarting
Spring 2022

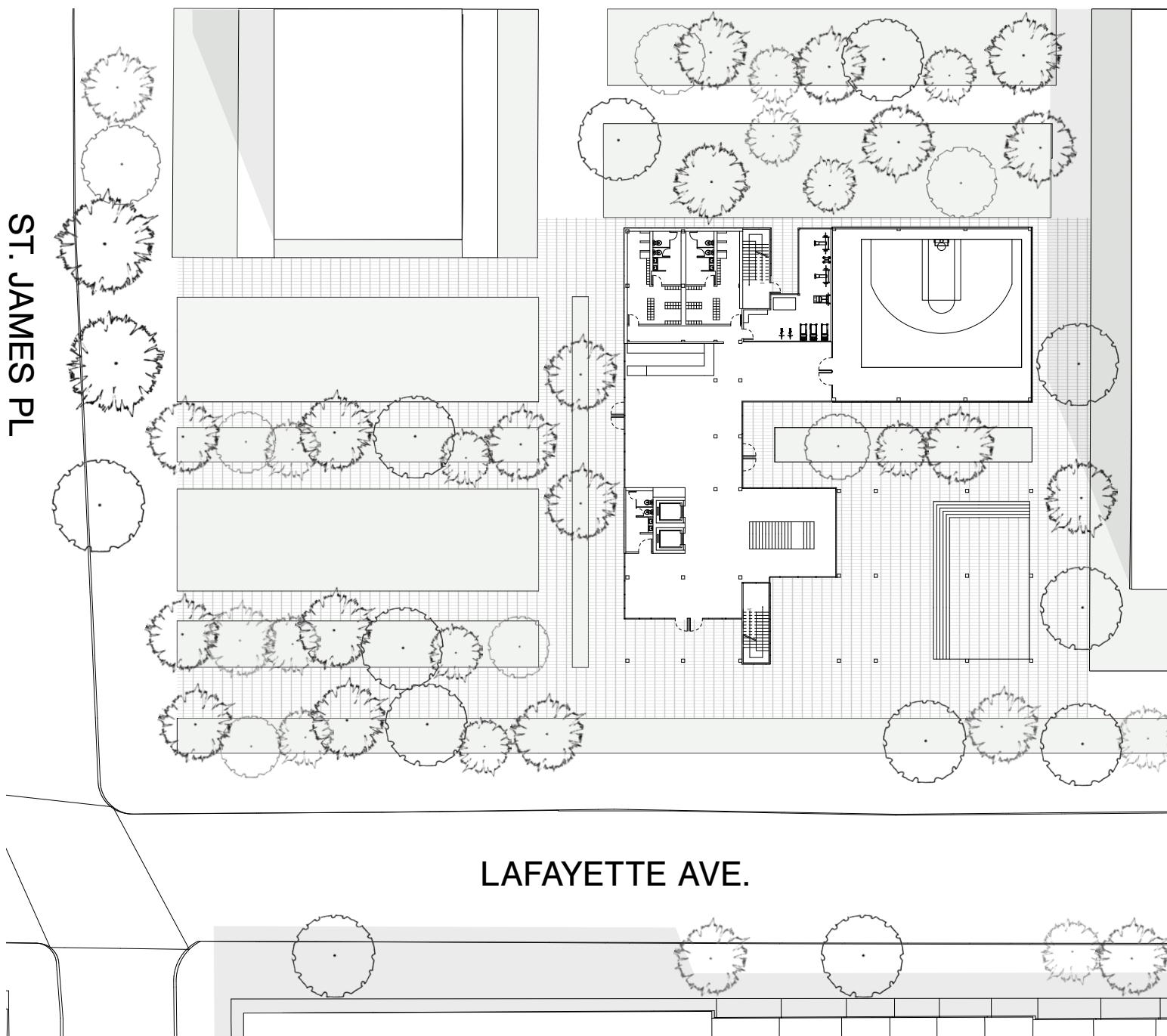
Clinton Hill CC, located in Brooklyn, studied the public and urban realm through the development of a community center. Situated on a 140'X140' site between two preexisting residential towers, the proposed community center looked in building a program for kids, teen, and adults.

Issues regarding an ecologically sustainable design and ethical sourcing of materials raised important discussions in the creation of a mass timber structure. This further informed the selection of beige terracotta tiles for the facade. Careful attention was also seen in the adaptability and performance of the space ecologically to better serve the well-being of the Clinton Hill community.



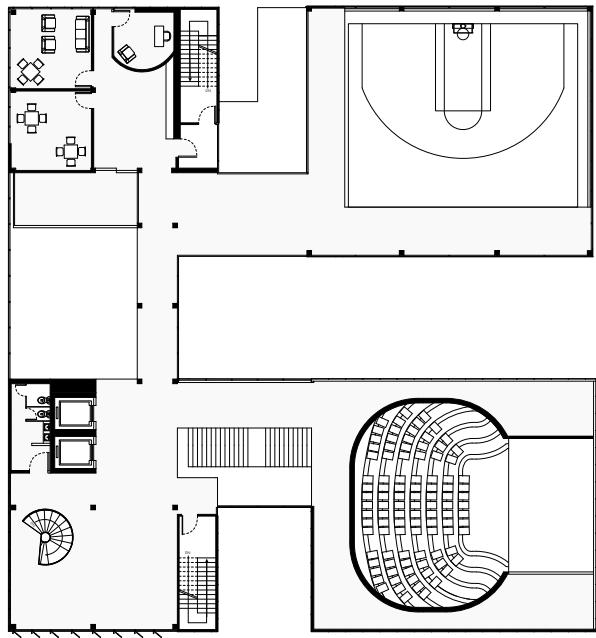


ST. JAMES PL

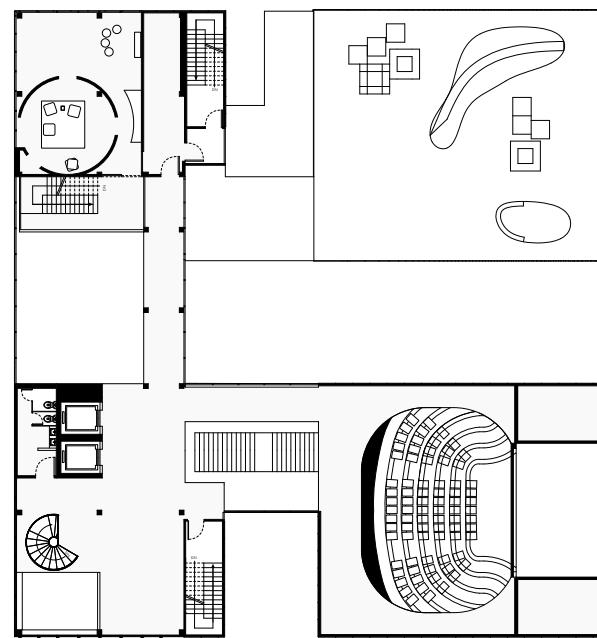


Ground Floor Plan

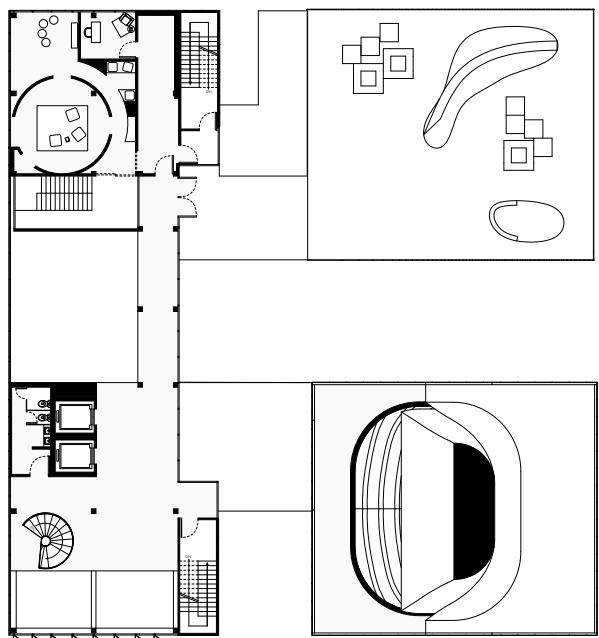
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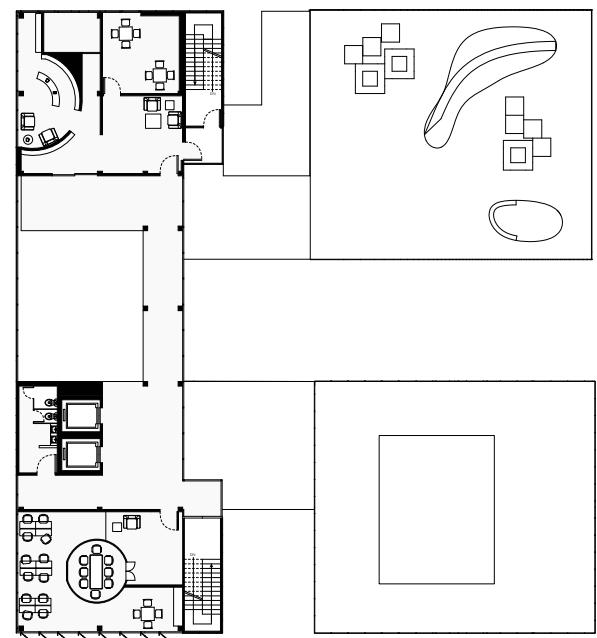
Second Floor Plan



Third Floor Plan



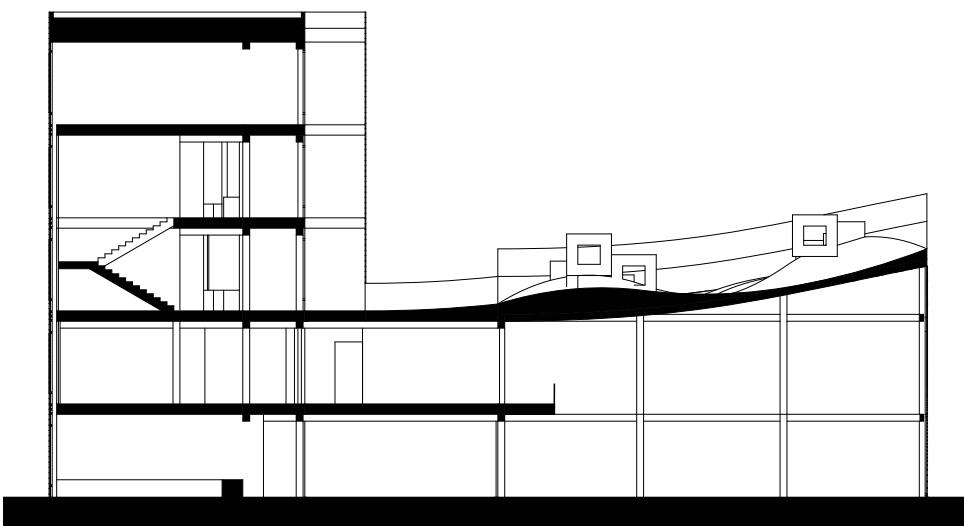
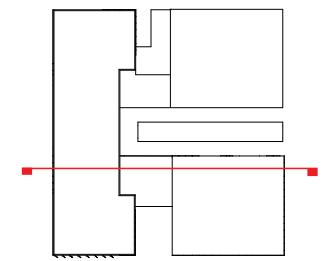
Fourth Floor Plan



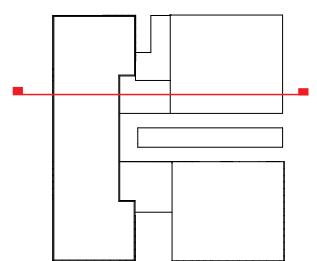
Fifth Floor Plan



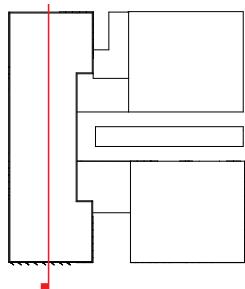
Section A



Section B



Section C





Atrium



Gymnasium





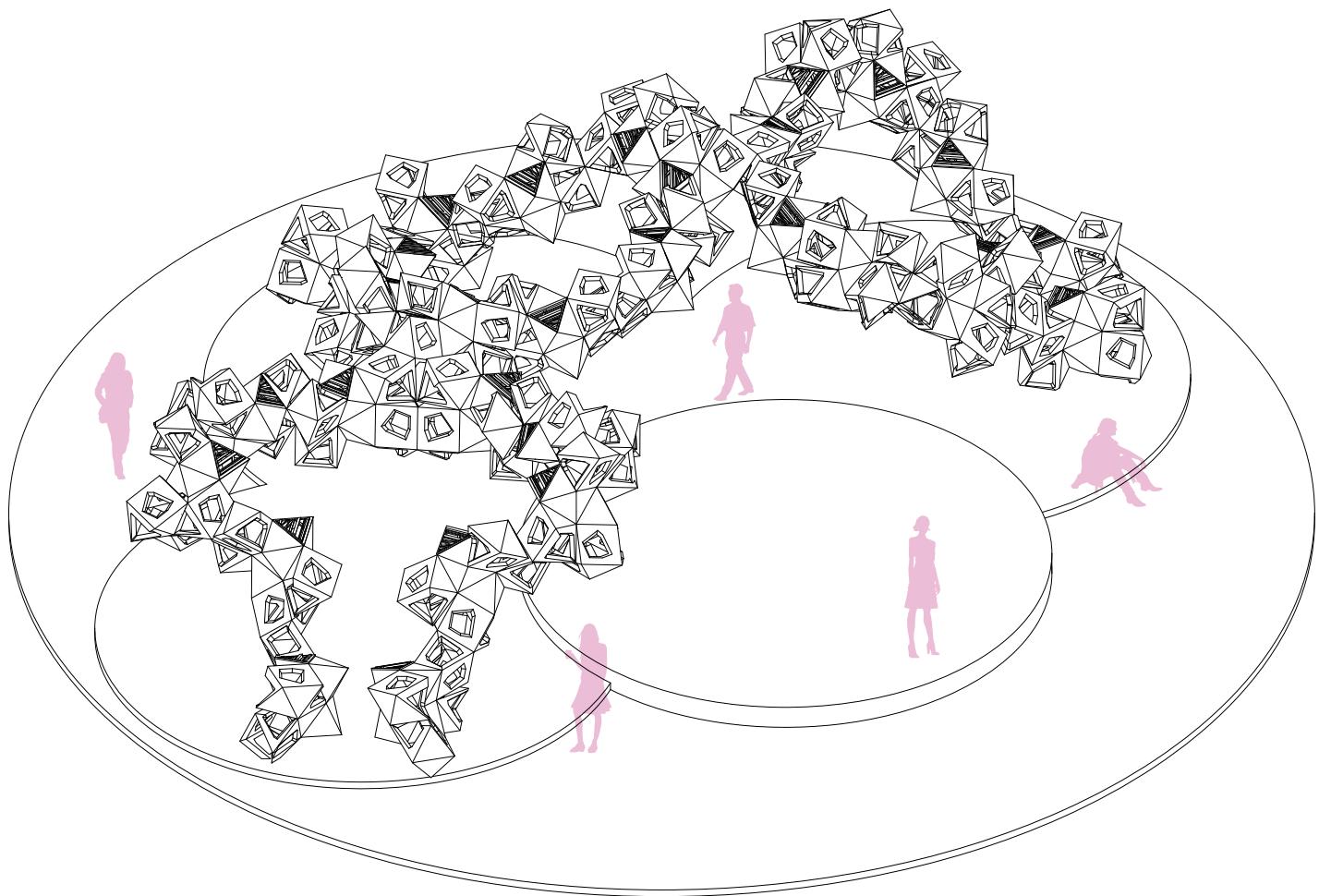
Exterior Facade + Park

BURNING MAN PAVILION

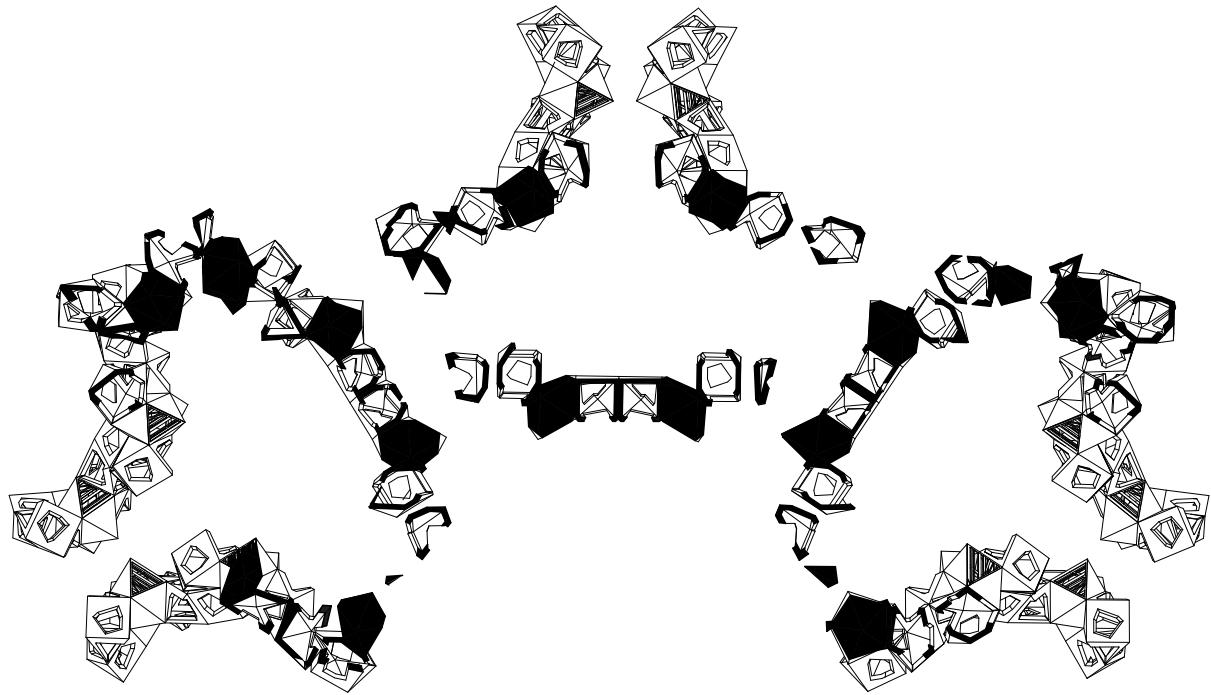
Visualization 02
Supervised by Dustin White
Fall 2020

Burning Man Pavilion studies the development of uniquely formed and interlocking modules for the Burning Man Festival in Black Rock Desert, NV.

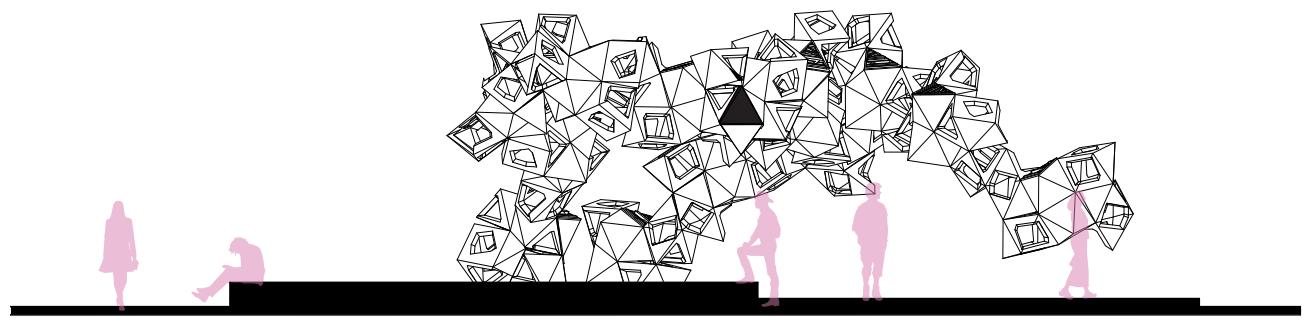
This project uses the relationship of light and air to create 4 distinct zones under one structure; of which can be used as a venue or public space for people to gather.



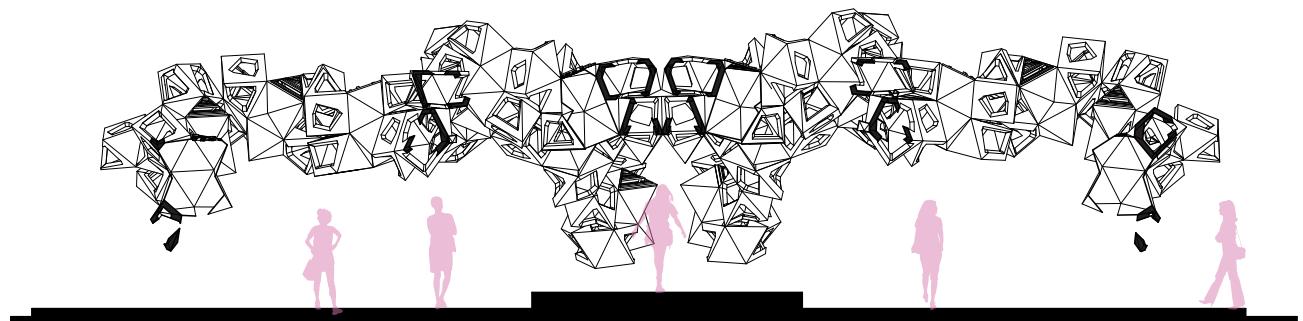




Plan



Section Cut A



Section Cut B



NYCHA PATTERSON

Architectural Design 06
Group: Kelly Ramcharan & Betsy Katayev
Supervised by Diane Neff
Spring 2023

NYCHA Patterson is a close study of the redevelopment of New York Housing Authority (NYCHA) open space within the Patterson Houses development, located in the Mott Haven section of the Bronx. It tackles challenges regarding years de-funding and neglect from the city of New York, with environmental issues arising in recent year due to climate change.

Through the design process, careful attention was taken in understanding the needs of the residents on the 22 acre lot and surrounding community, while creating a design that works in all aspects of resiliency. This ensures that the community and residents can use the New York Housing Authority (NYCHA) open space at Patterson Houses for years to come.





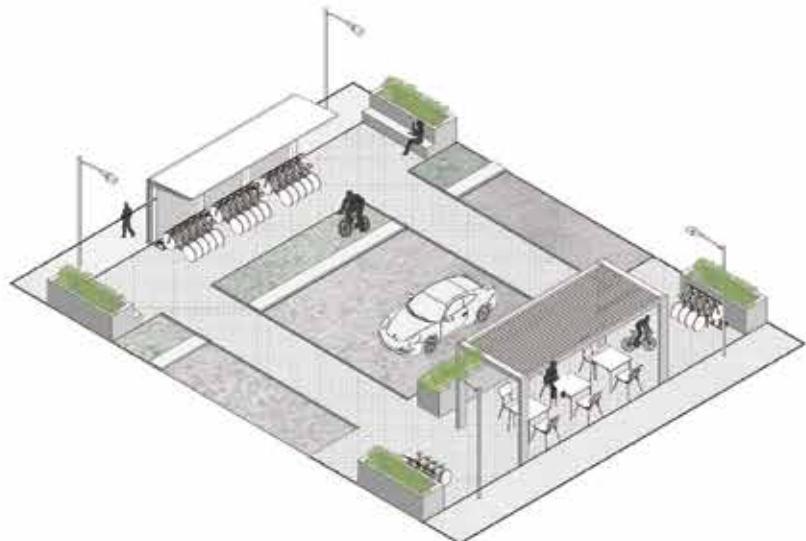


Patterson Houses Resiliency



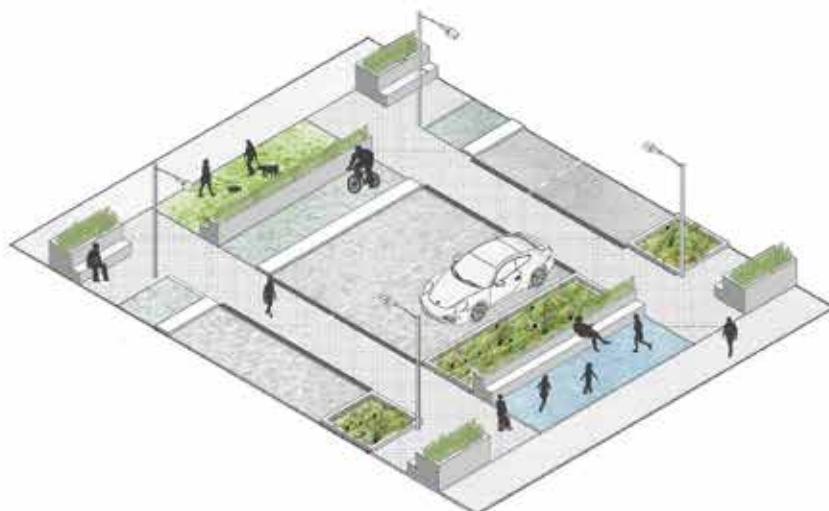
Masterplan





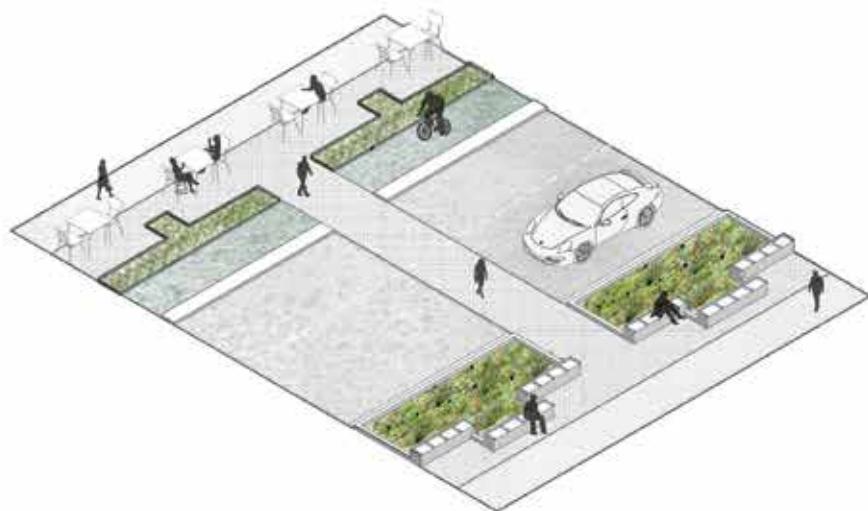
Road Prototype 01 Axon: Biking

ROAD PROTOTYPE 01 AXON: BIKING



Road Prototype 02 Axon: Children's

ROAD PROTOTYPE 02 AXON: CHILDREN'S



Road Prototype 03 Axon: Seating

ROAD PROTOTYPE 03 AXON: SEATING



Road Prototype 01 Plan: Biking

ROAD PROTOTYPE 01 PLAN: B

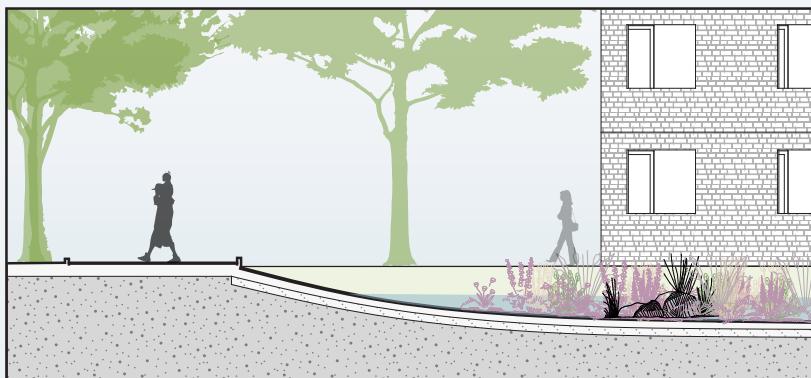
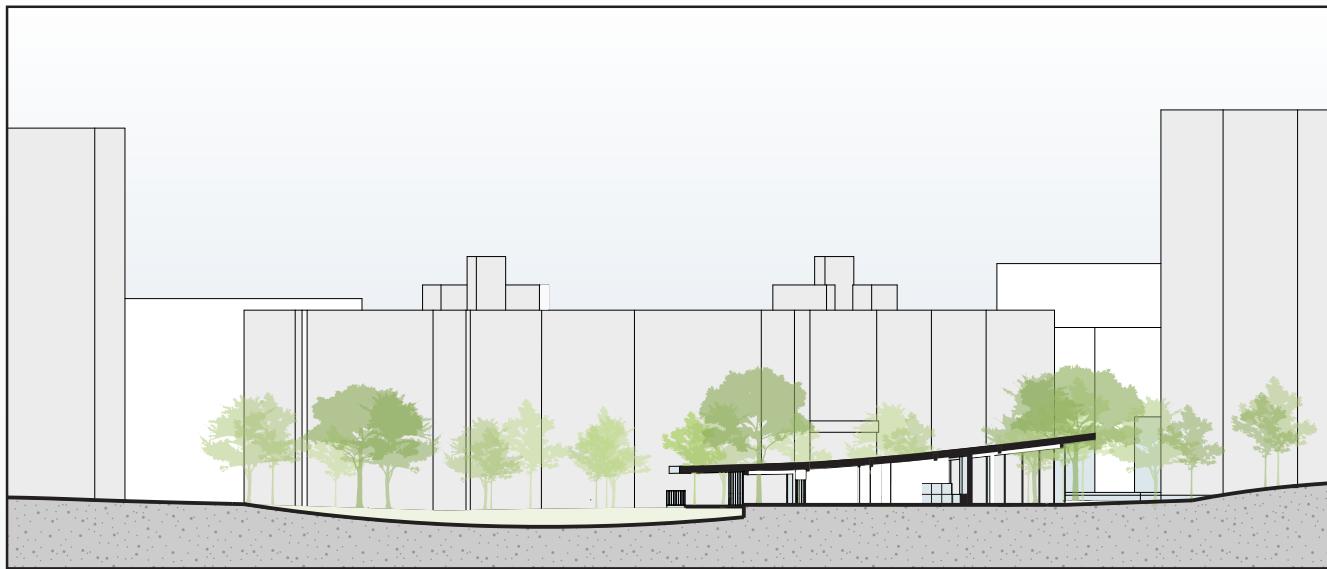


Road Prototype 02 Plan: Children's

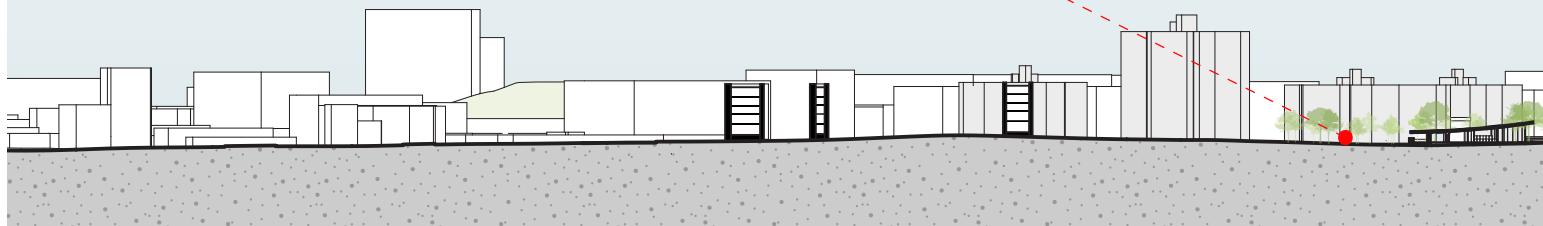
ROAD PROTOTYPE 02 PLAN: C



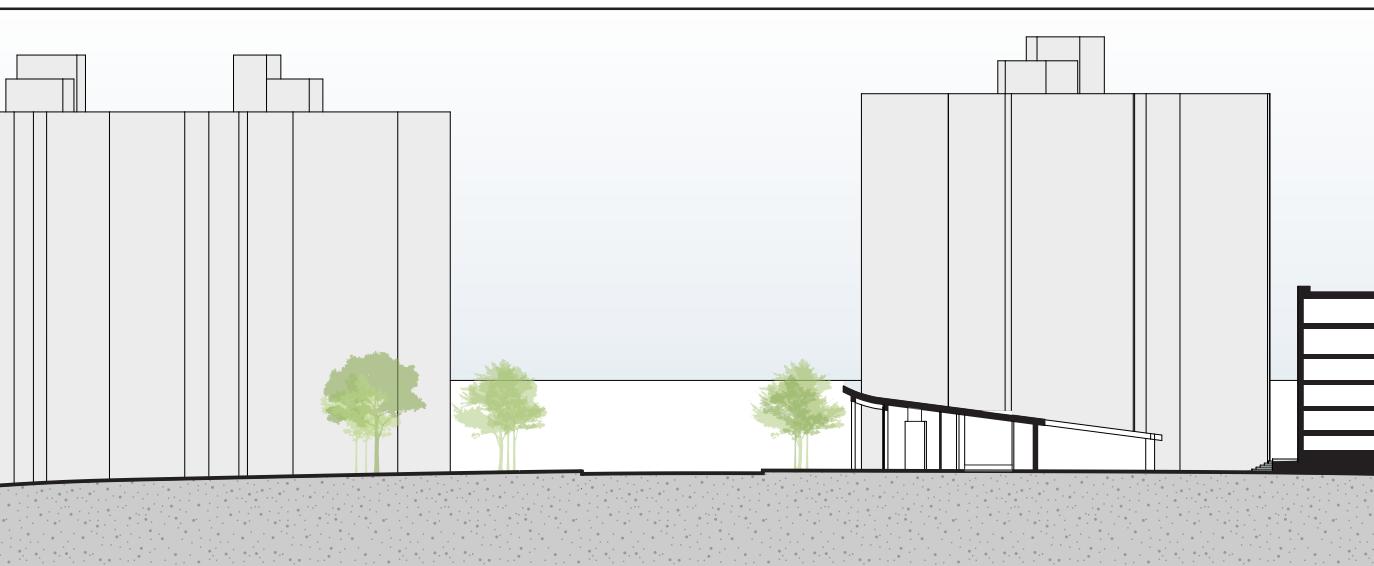
Road Prototype 03 Plan: Seating



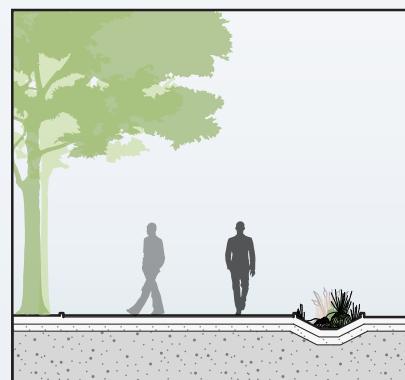
Rain Garden Section



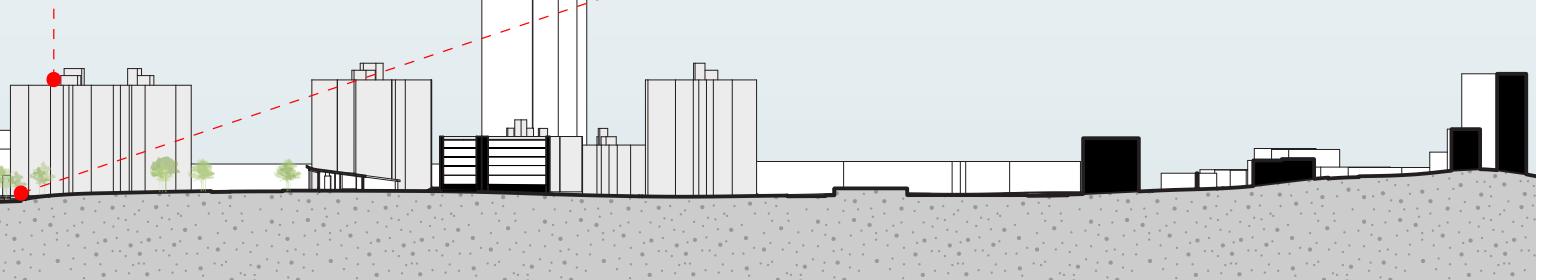
Site Section



Patterson Zoomed Section



Rain Garden Section





Ground Floor Plan

01 Rain Garden 02 Laundromat 03 Multi-purpose Space
04 Computer Lab 05 Restrooms



Section A

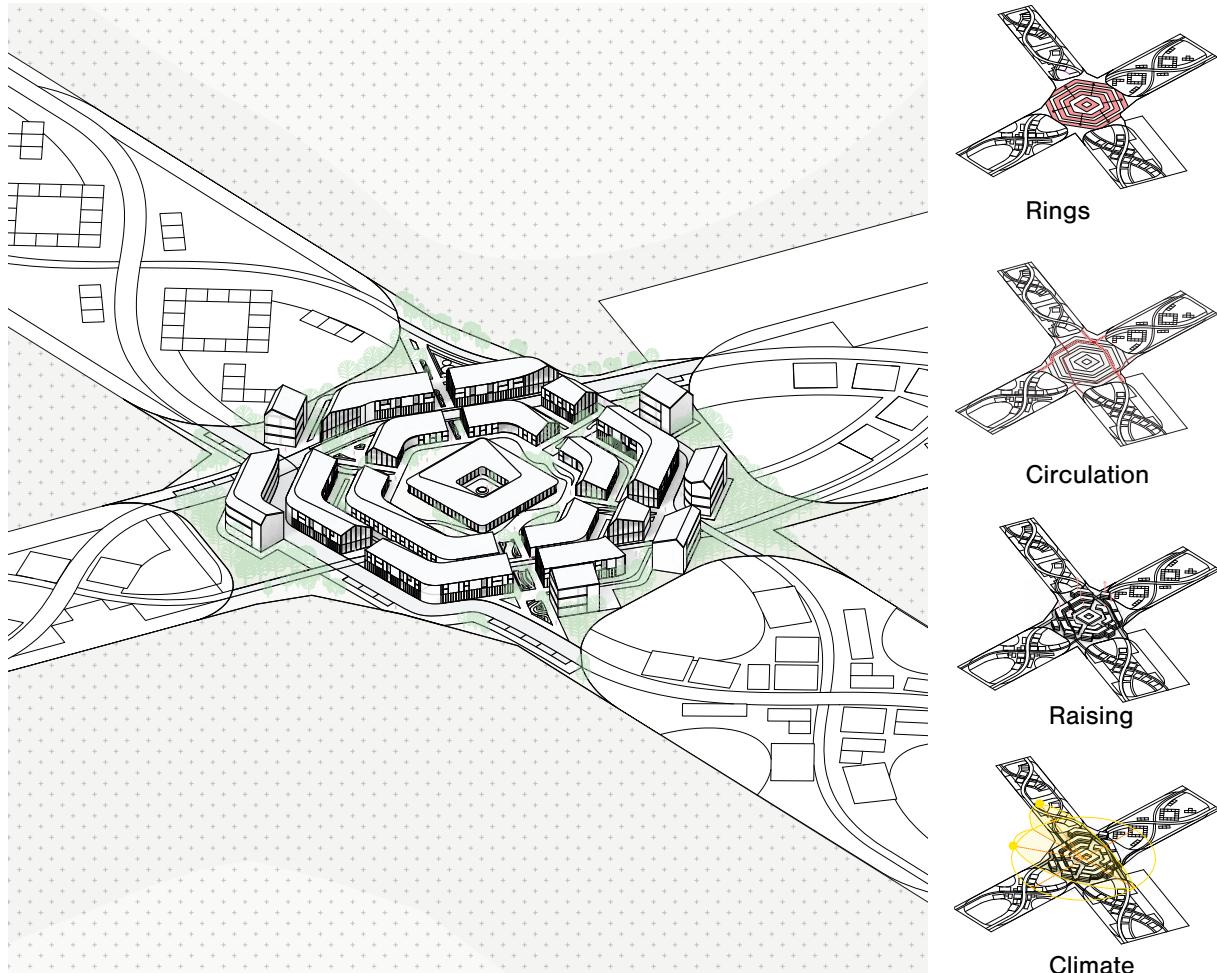


THE HEART

Architectural Design 05 - Thesis
Supervised by Alana Goldweit & Daniel Sundlin
Fall 2023 - Spring 2024

The Heart at Barren Island tackles the mental and physical health crisis seen in NYC through the development of a health + wellness center. Creating a design that fosters the connection between the communities found at Barren Island and the creation of missing program that helps fortify this project as one which brings the values of personal to planetary systems together.

With sustainable practices driving the project in its material selection, sourcing, and construction, delivering a space to the community that values the its health and ikplementation of Net 0 principles was key.





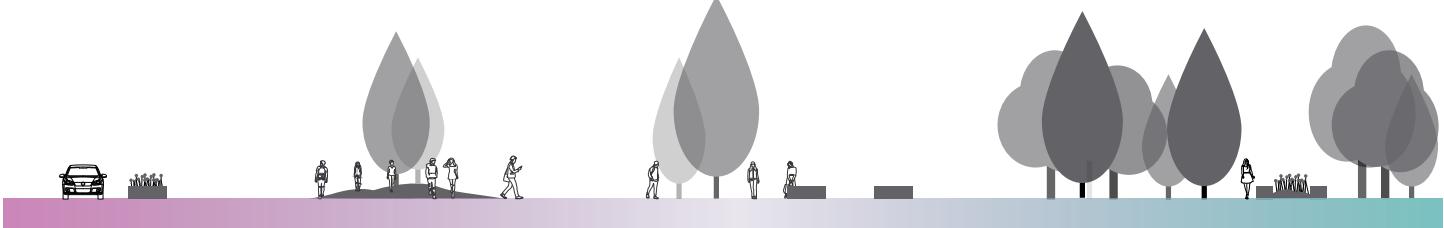
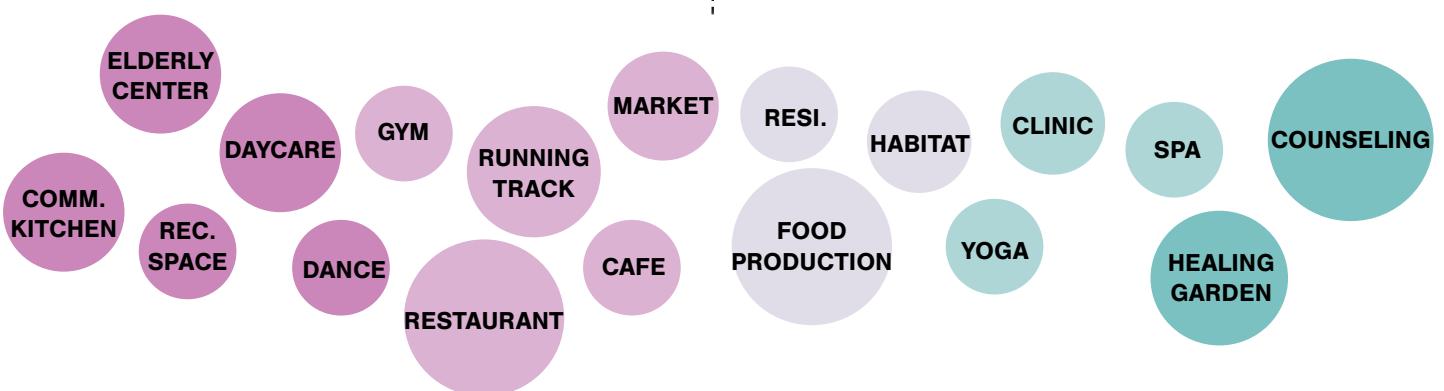
ACTIVITY

NOTICE

CONNECT

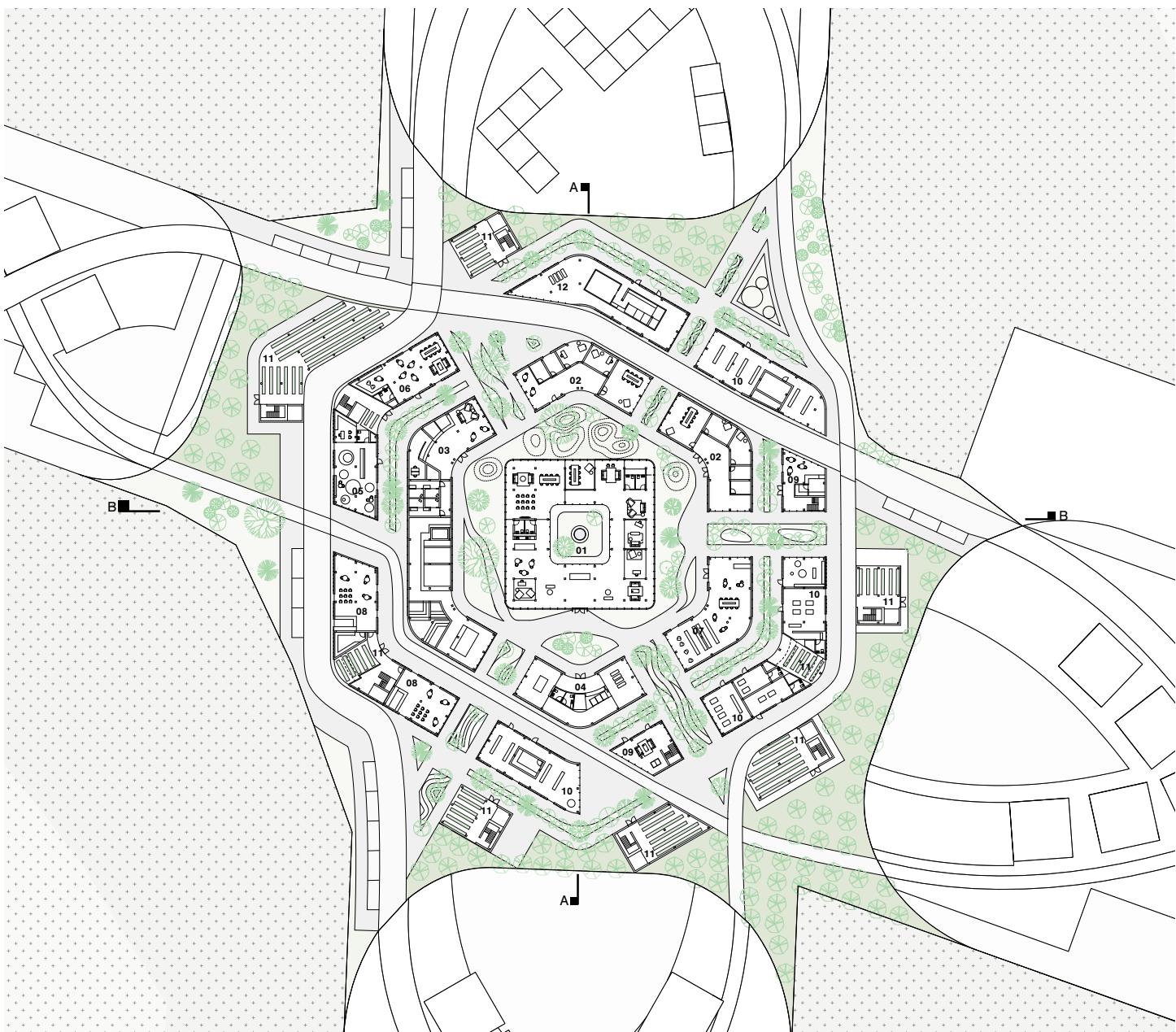
LEARN

GIVE



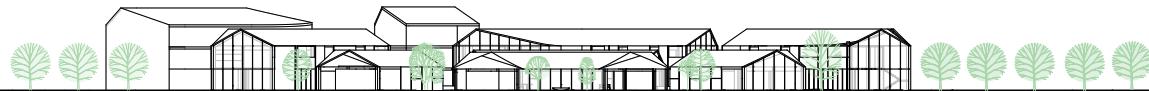
EXTROVERTED

INTROVERTED



Ground Floor Plan

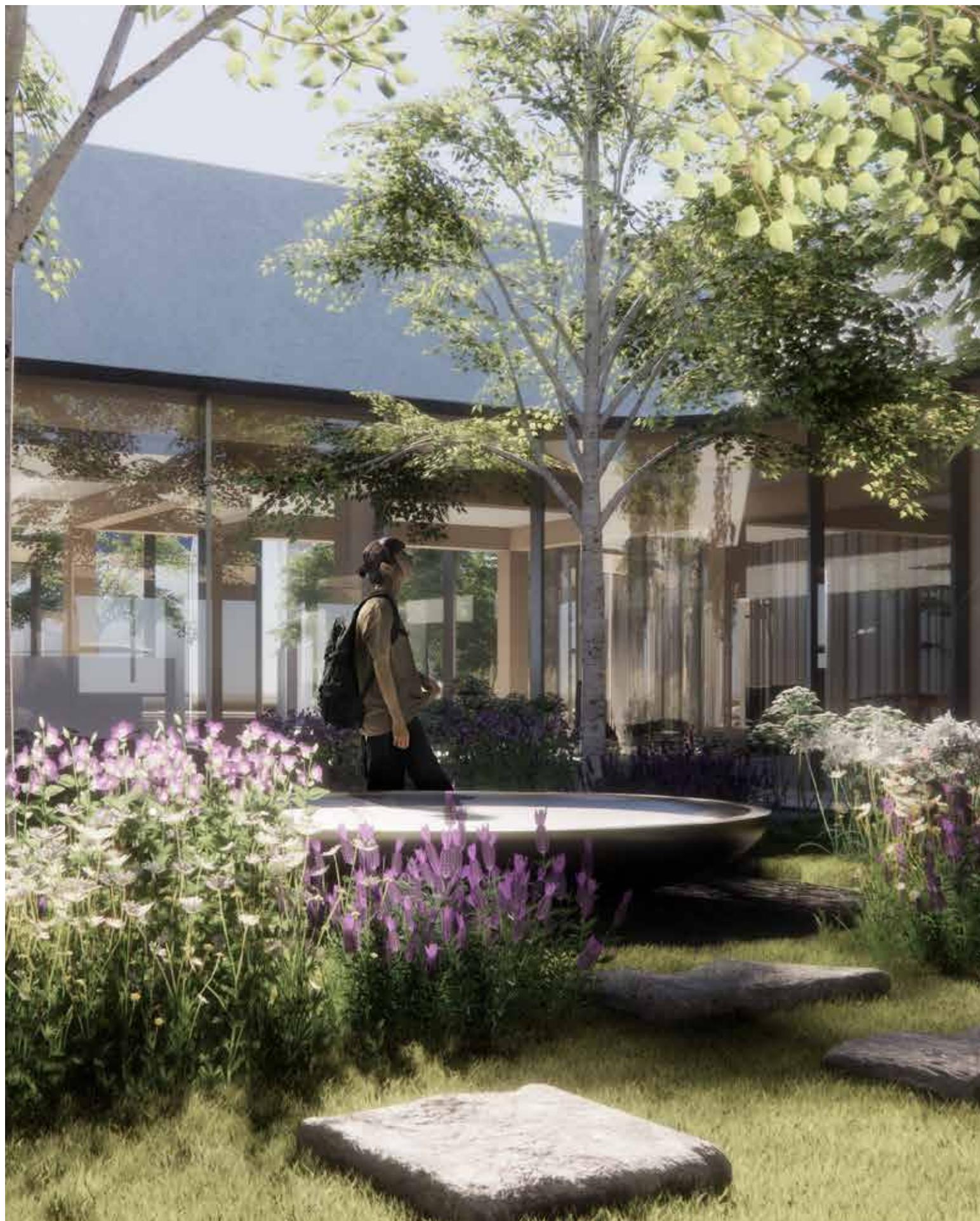
01 H+W Center	02 Group Therapy	03 Spa	04 Yoga/Dance Studio
05 Daycare	06 Elderly Center	07 Library	08 Clinic
09 Comm. Kitchen + Cafe	10 Market + Shops	11 GVHF	12 Gym

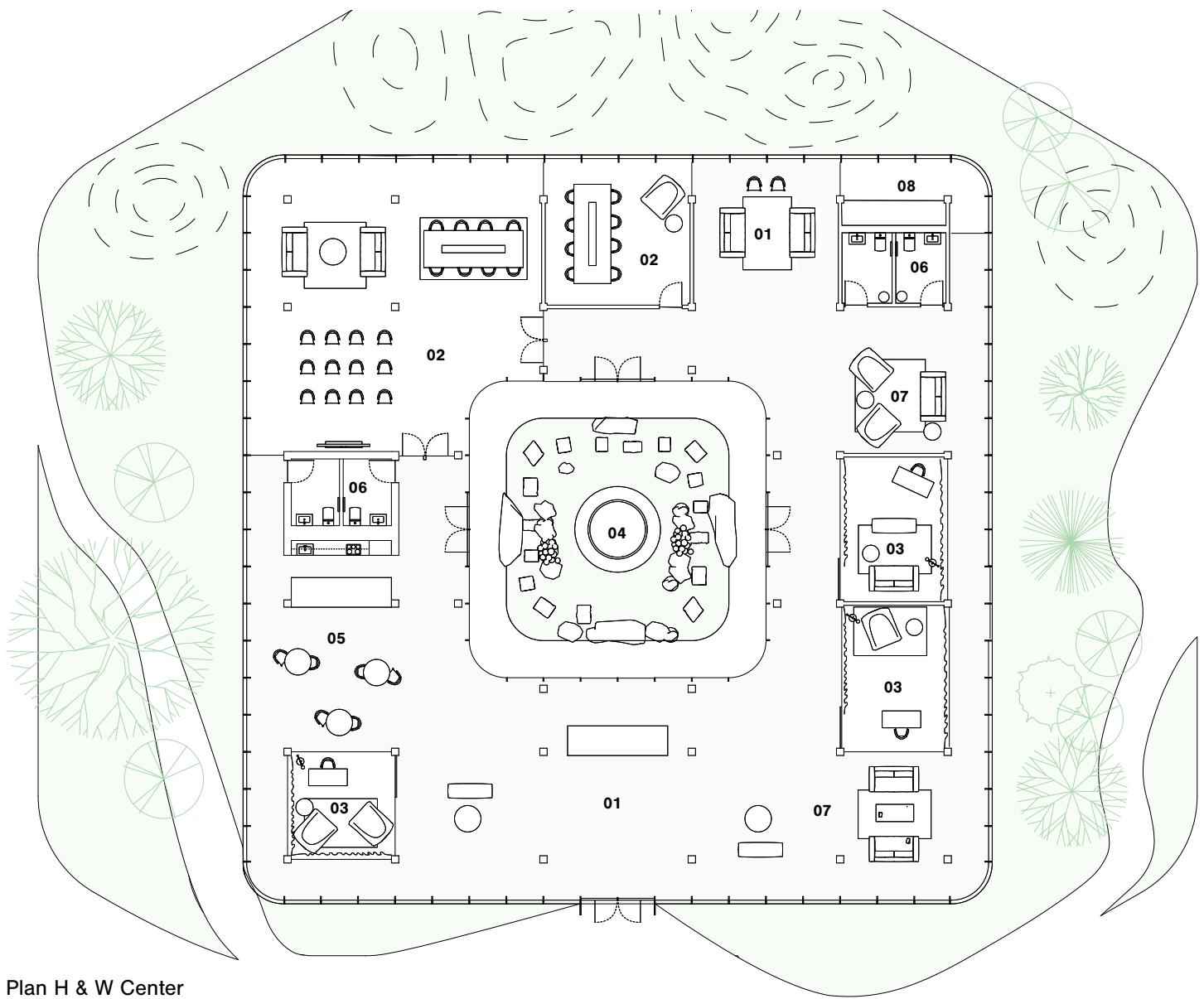


Section A



Section B





Plan H & W Center

01 Lobby

02 Gen. Counseling Rooms

03 Priv. Counseling Rooms

04 Cloister

05 Kitchen

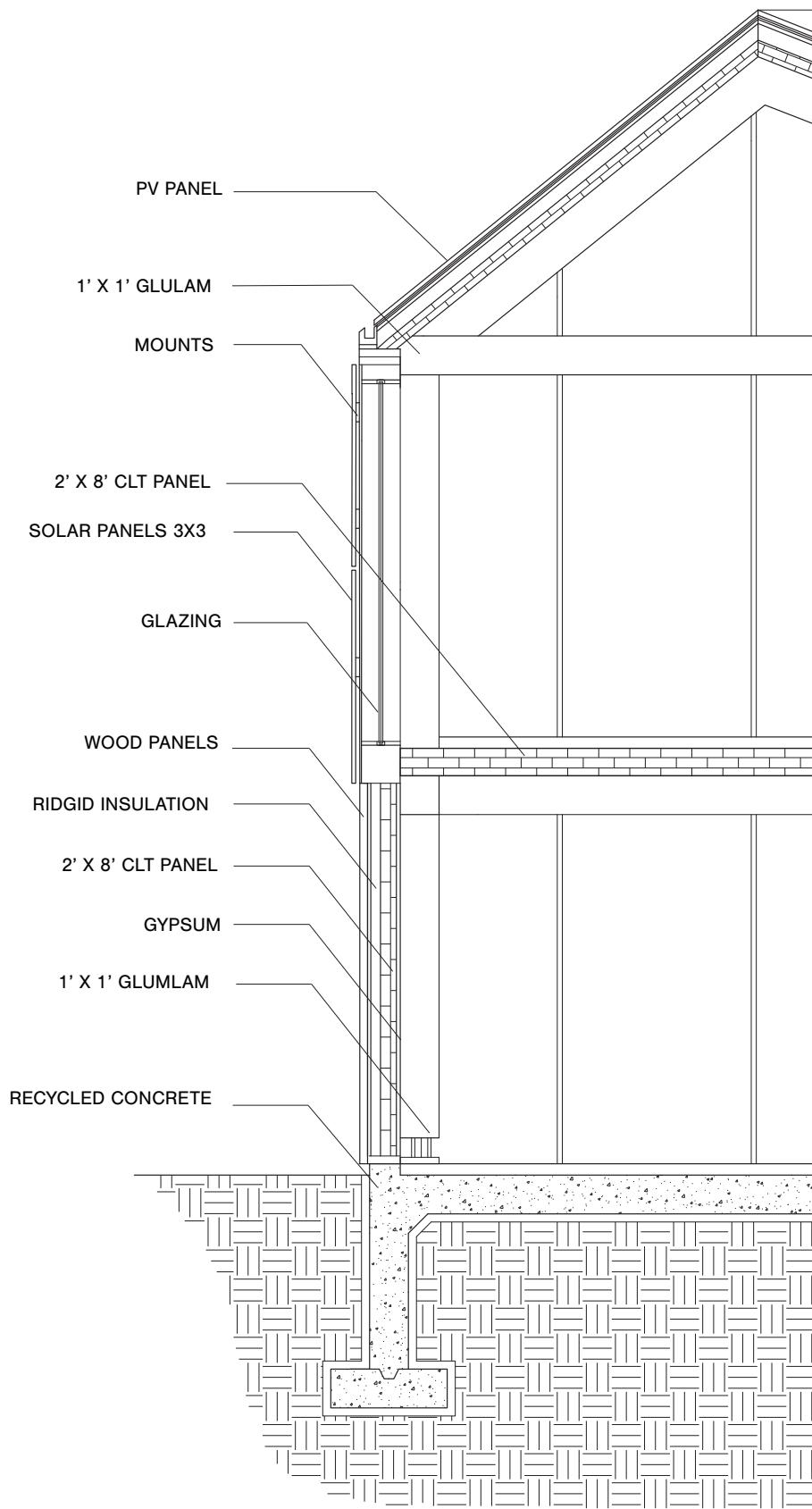
06 Restrooms

07 Seating Area

08 Storage

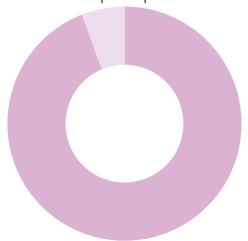


Section A



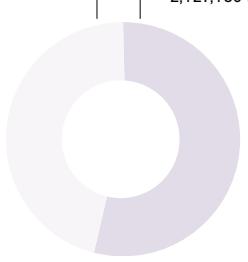
AGRO
1,563,339 Cal/Y

GVF
25,497,800 Cal/Y



DEMAND
1,811,394 kWh

PRODUCTION
2,127,130 kWh



GLAZING
457 T CO₂
GLULAM
281 T CO₂
CLT
392 T CO₂

PV PANELS
97 T CO₂

CONCRETE
5,970 T CO₂

CARBON



NET 0 BY







Health + Wellness Center

