

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

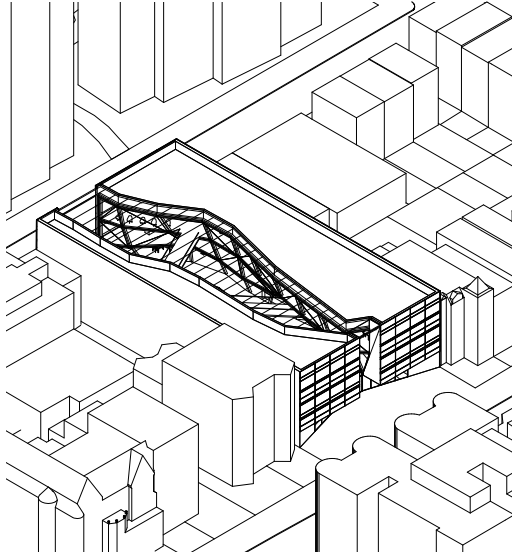
01

BPL CLINTON HILL

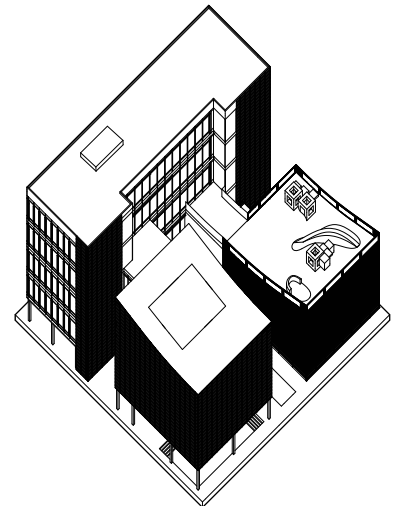
Location: Brooklyn, NY

Scale: 0.5 Acres

Public library redevelopment



02



CLINTON HILL CC

Location: Brooklyn, NY

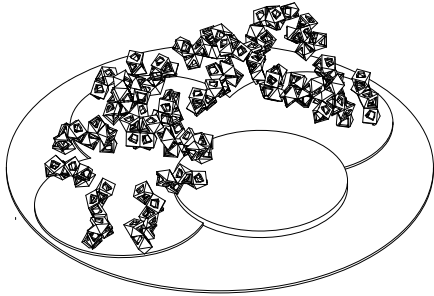
Scale: 0.7 Acres

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

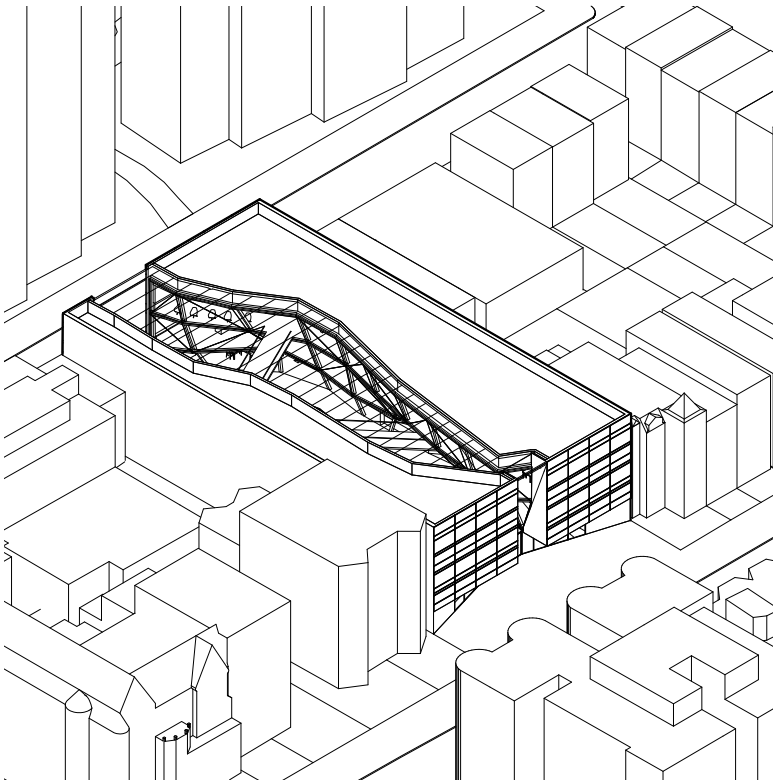
Location: Bronx, NY
Scale: 22 Acres
NYCHA greenspace redevelopment

BPL CLINTON HILL

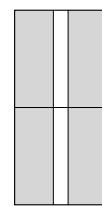
Architectural Design 05
Supervised by Andrew Thomas
Fall 2022

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.

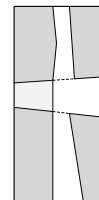
The design language of BPL Clinton Hill is informed by the preexisting brownstones on either side regarding form and pays careful attention to contextualize the library branch within the Brooklyn Brownstone typology. The creation of the internal street is characterized by the 'Solar Canyon' which breaks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



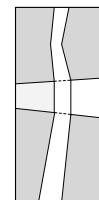
Site



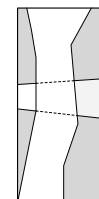
Alley



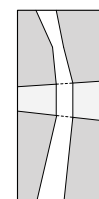
1st Floor



2nd Floor



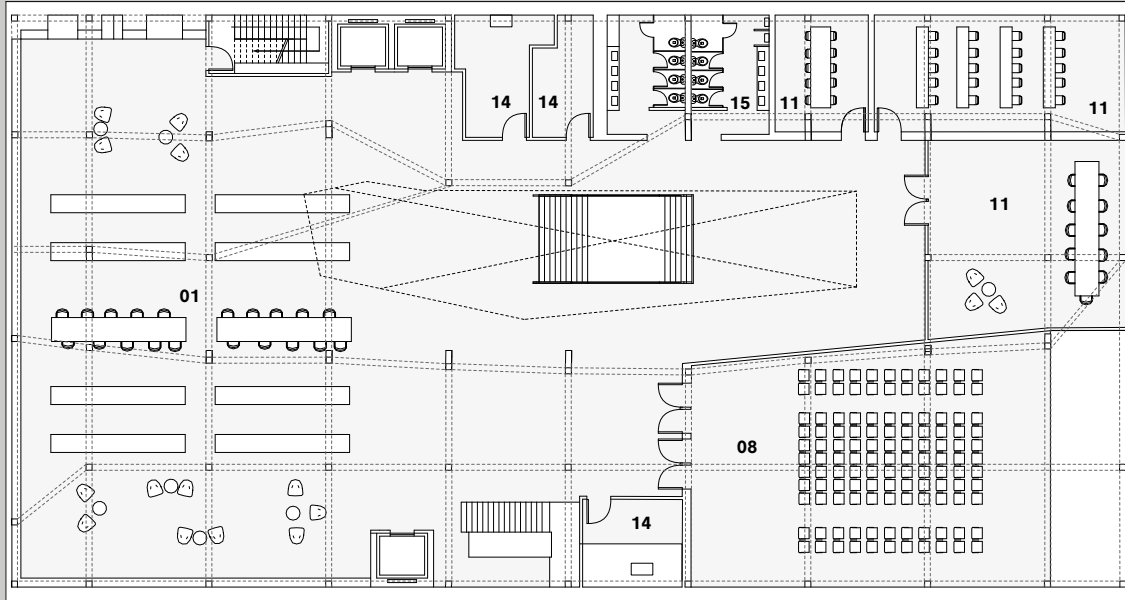
3rd Floor



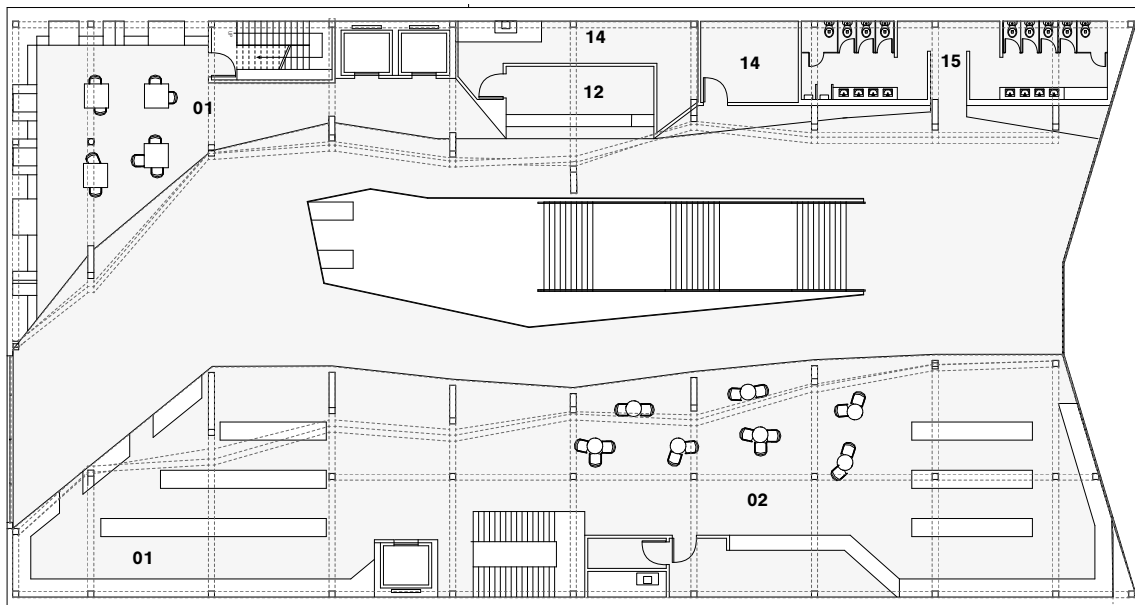
4th Floor





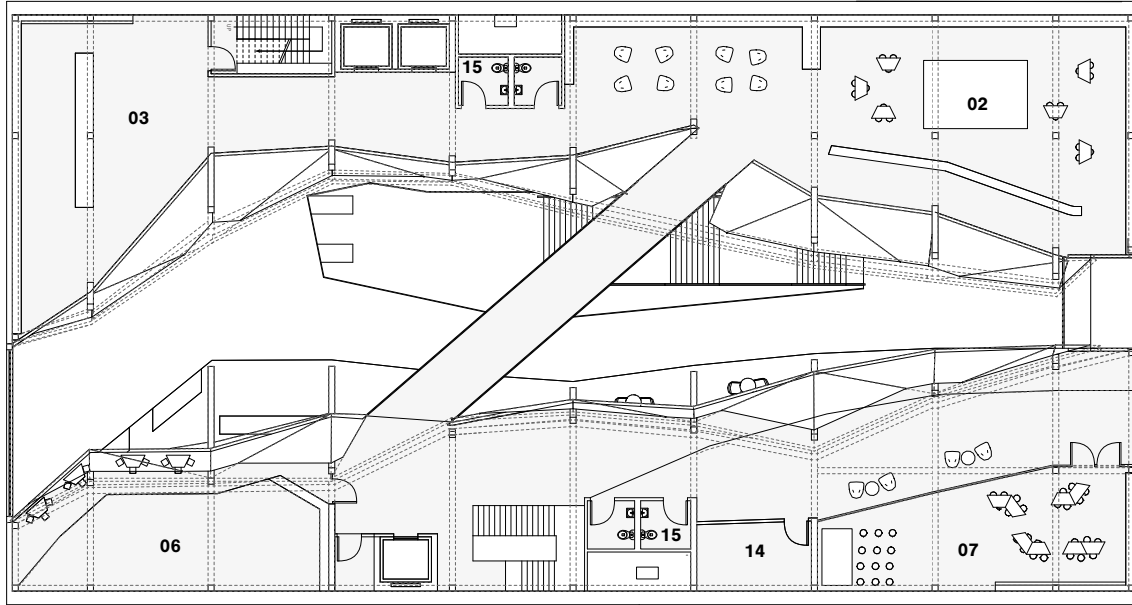


Lower Level Plan

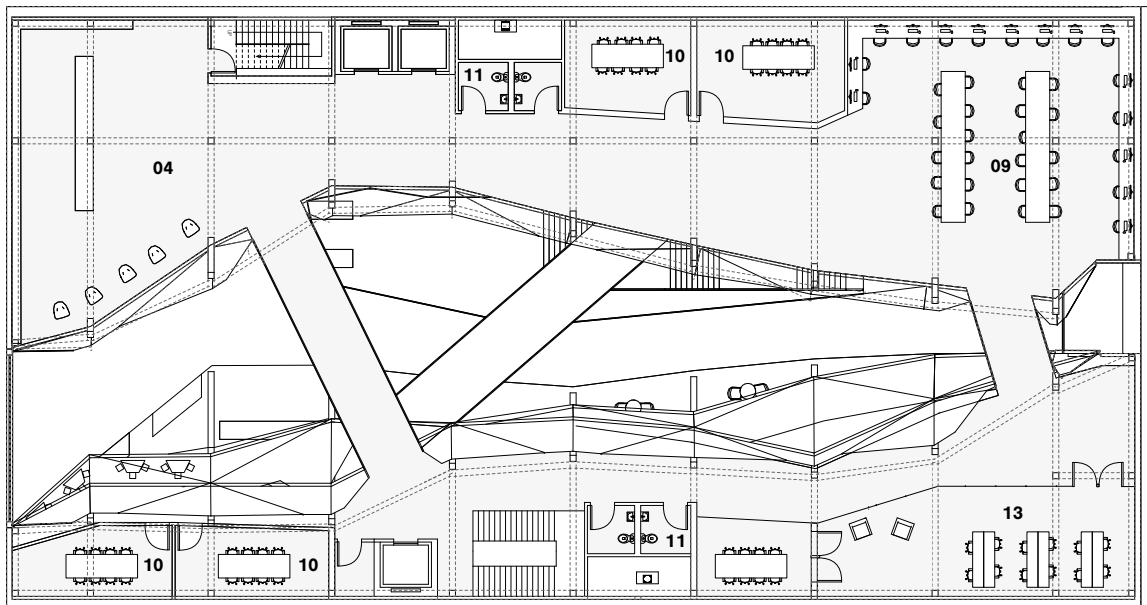


Ground Floor Plan

- | | | | |
|-------------------------|---------------------------|---------------------|-----------------------|
| 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 | |



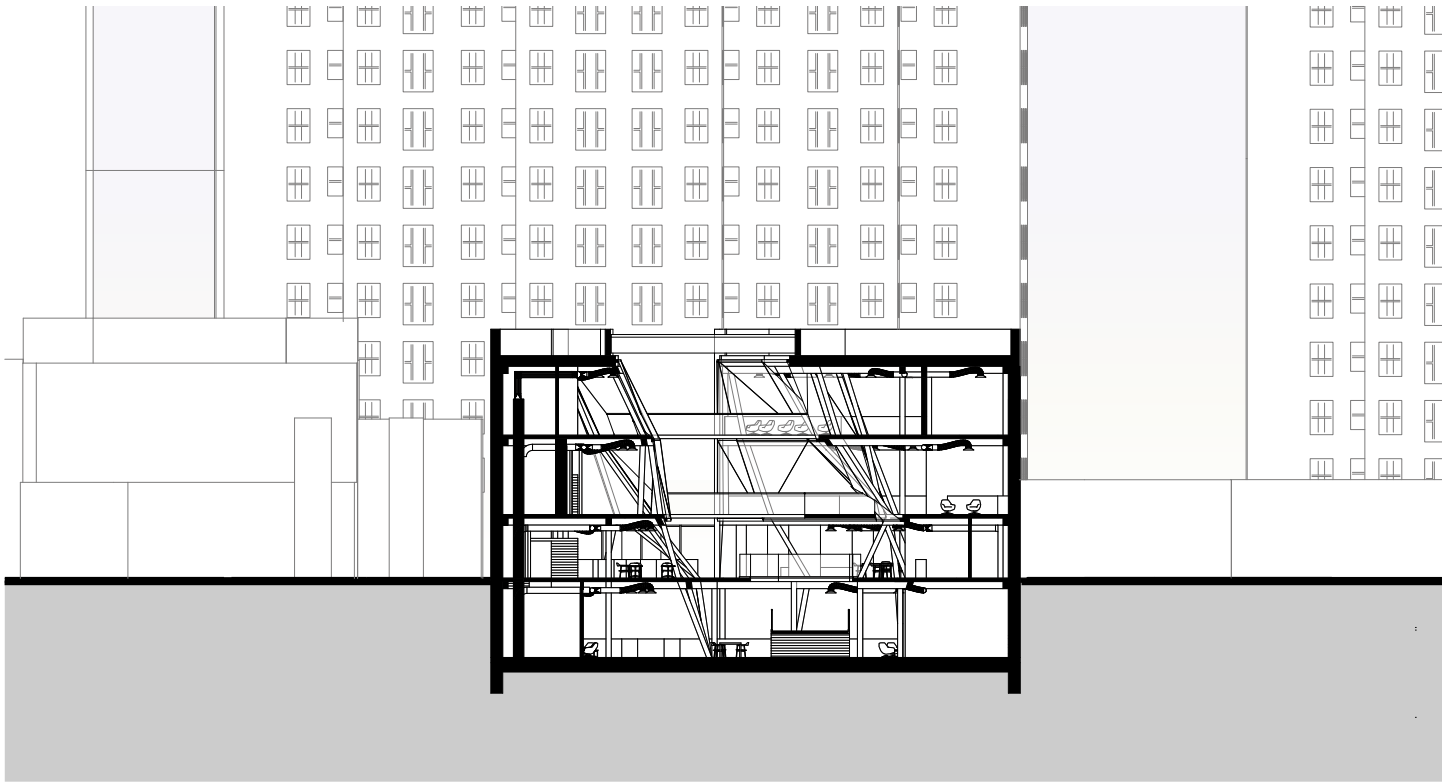
Second Floor Plan



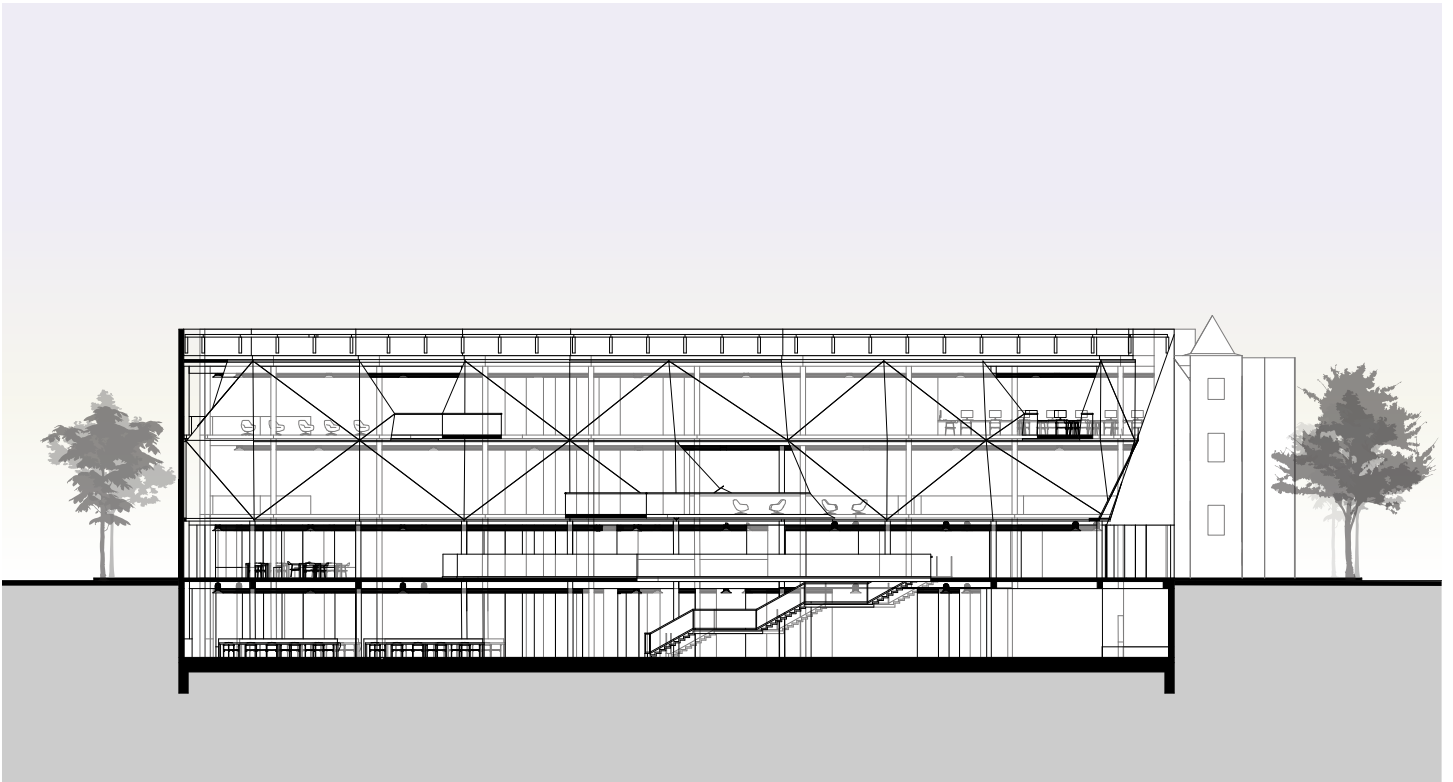
Third Floor Plan

- | | | | |
|-------------------------|---------------------------|---------------------|-----------------------|
| 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 | |

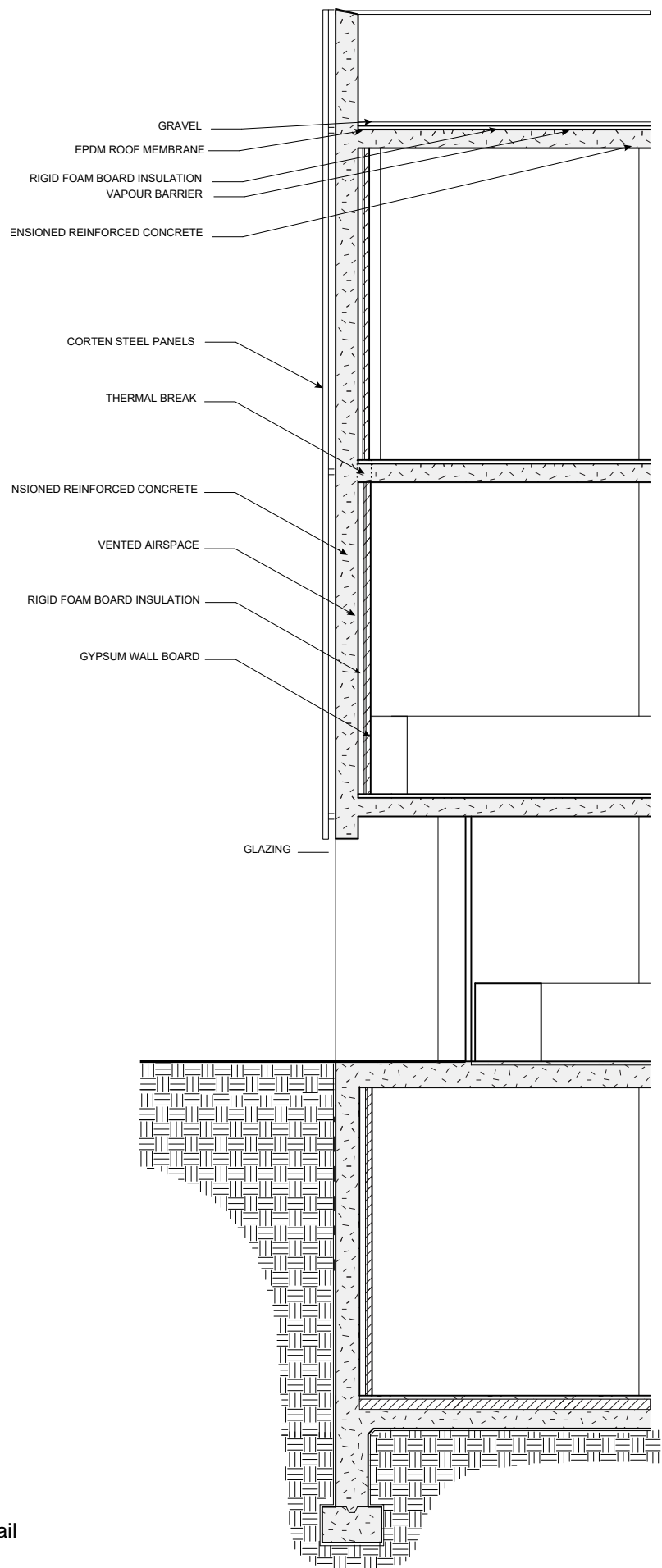




Section A



Section B



Section Detail





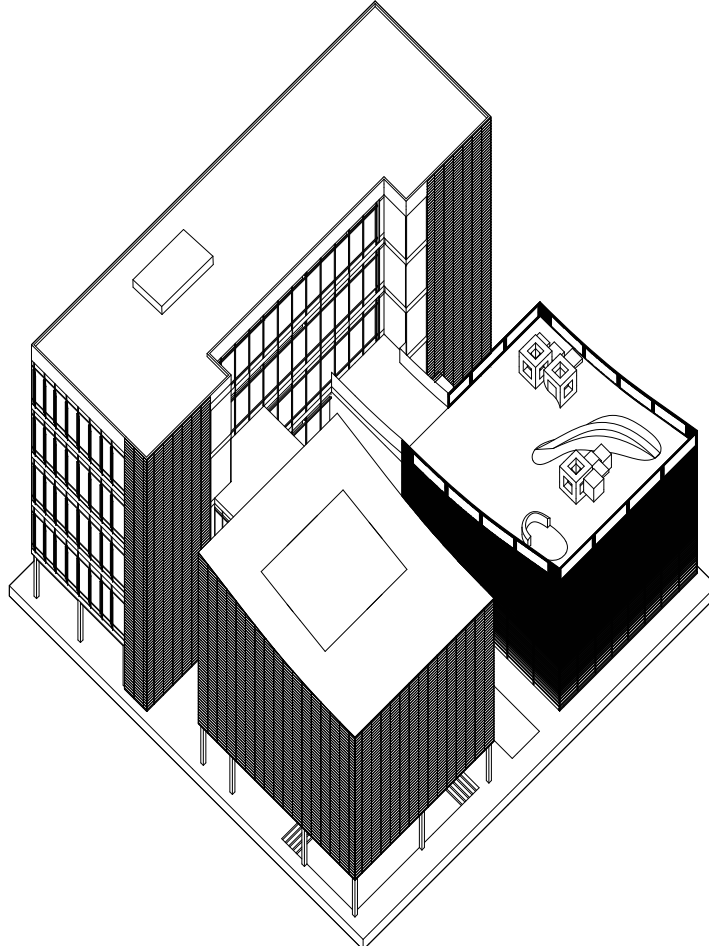
Exterior Facade

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.



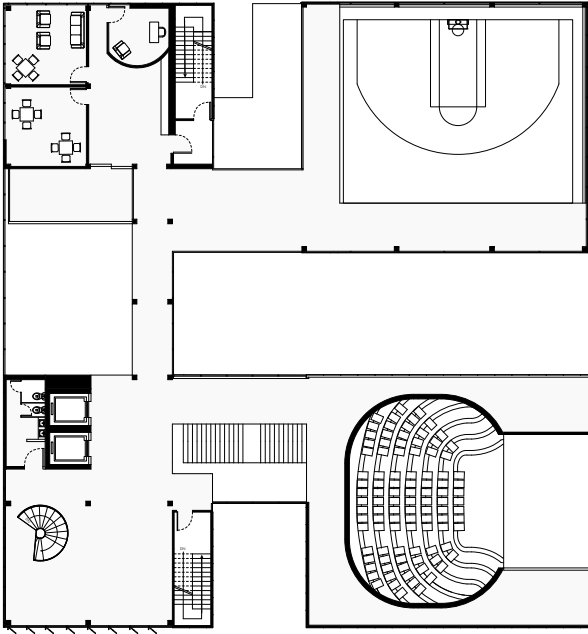


ST. JAMES PL

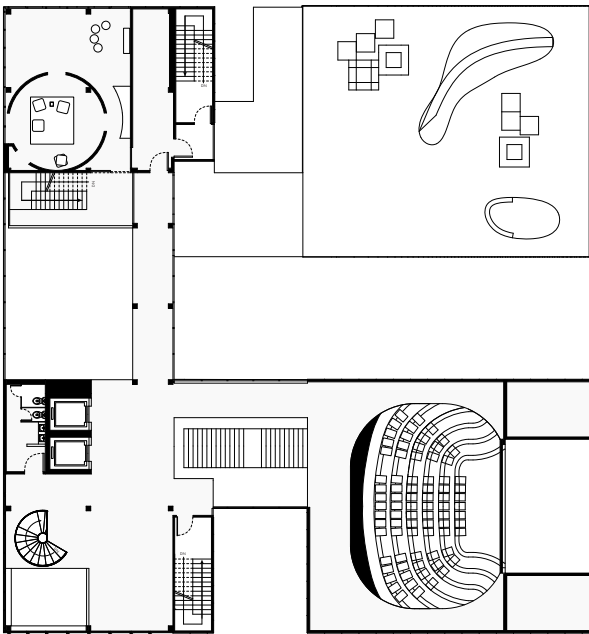
LAFAYETTE AVE.

Ground Floor Plan

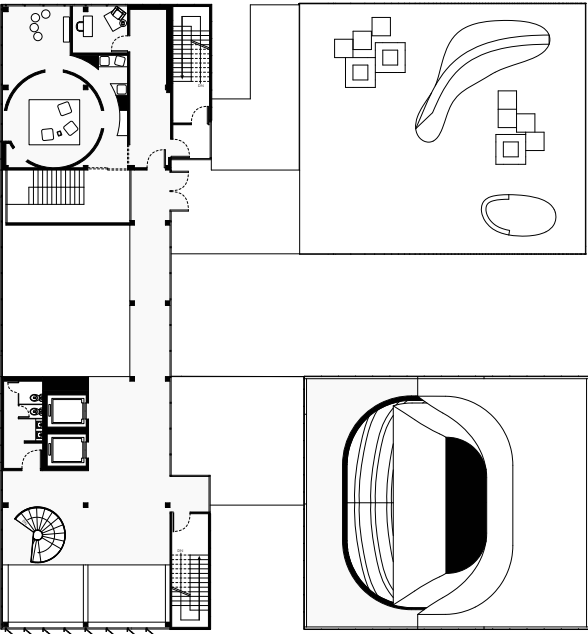




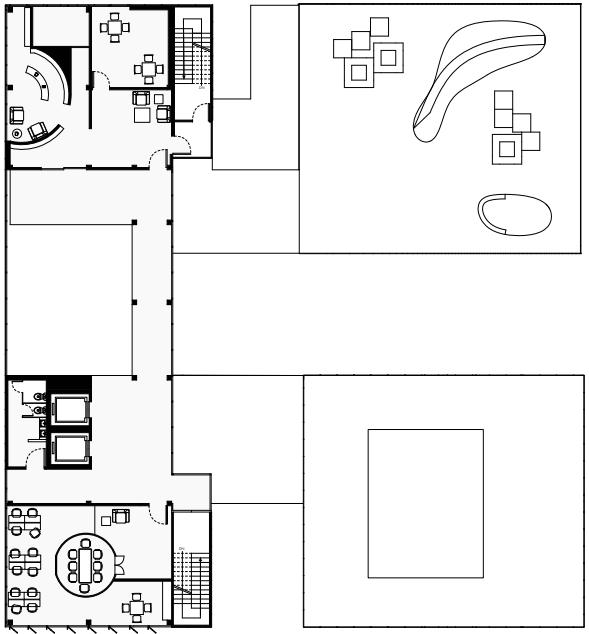
Second Floor Plan



Third Floor Plan



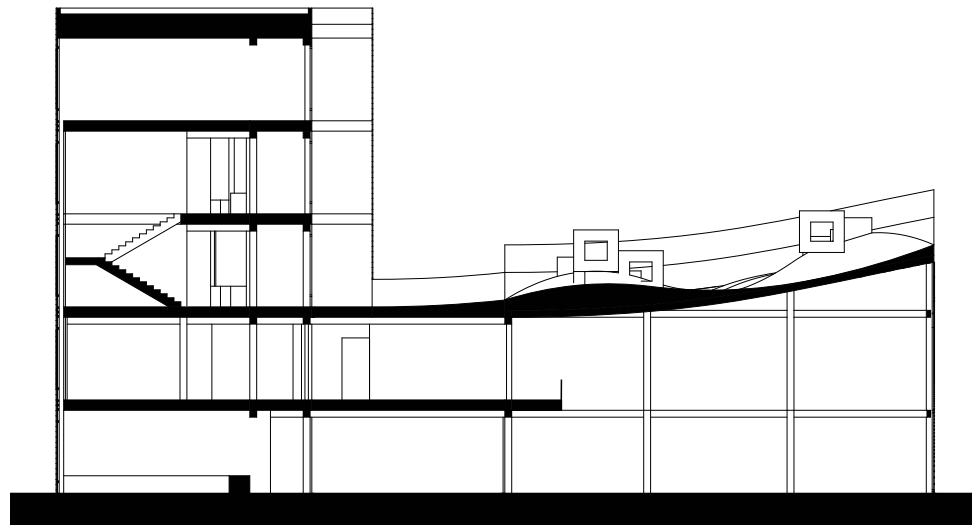
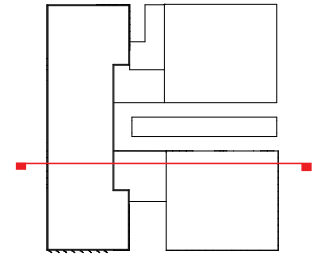
Fourth Floor Plan



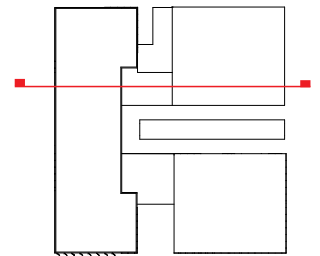
Fifth Floor Plan



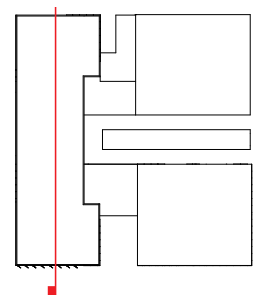
Section A



Section B



Section C





Atrium



Gymnasium





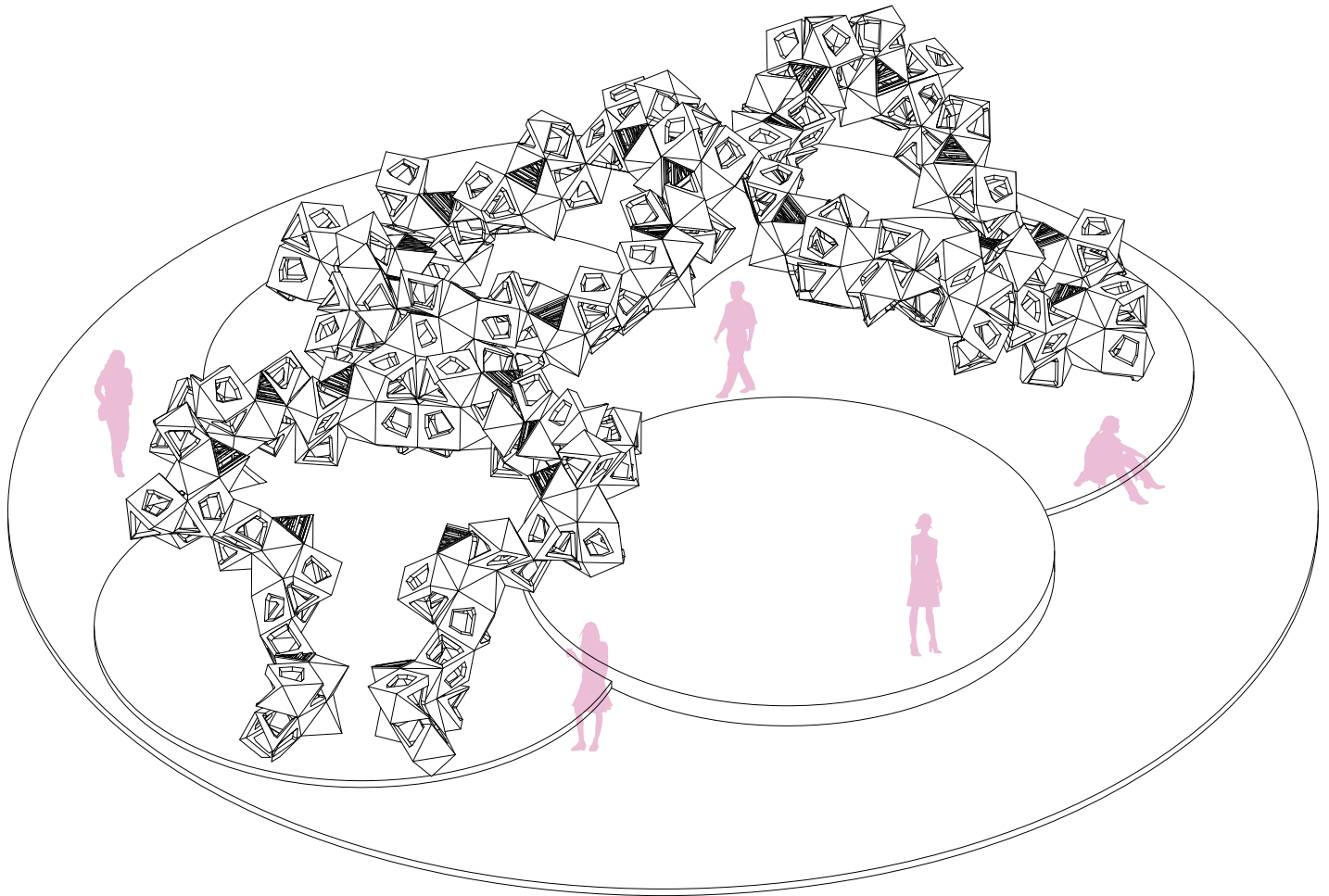
Exterior Facade + Park

BURNING MAN PAVILION

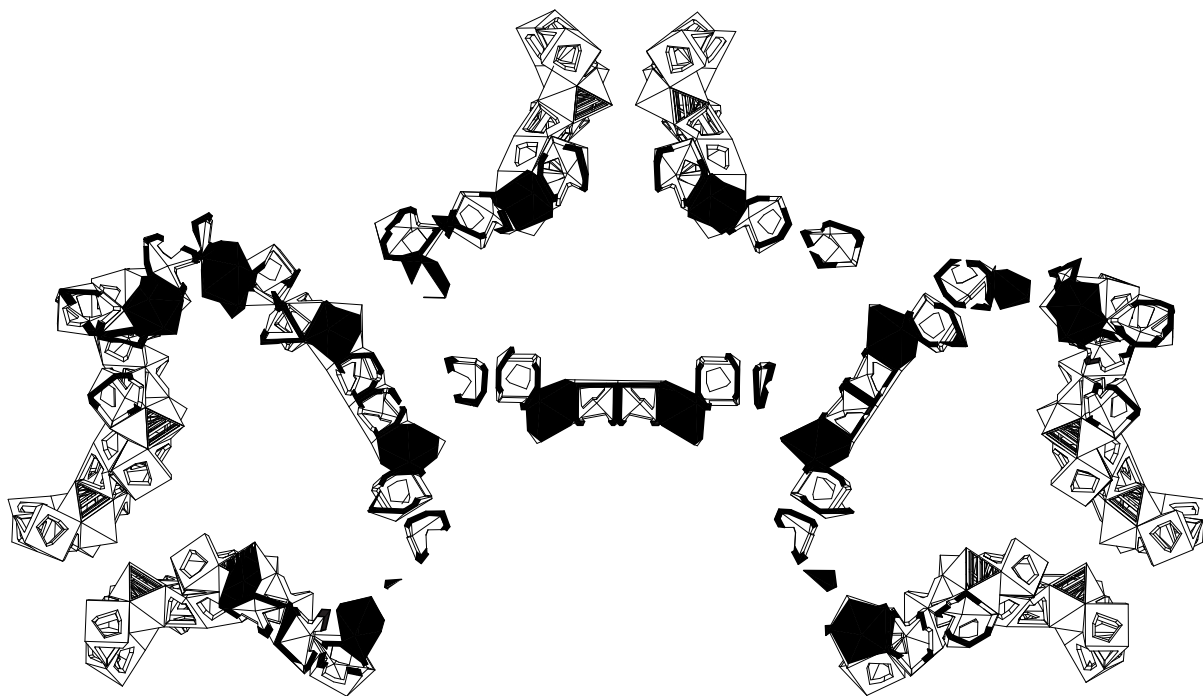
Visualization 02
Supervised by Dustin White
Fall 2020

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

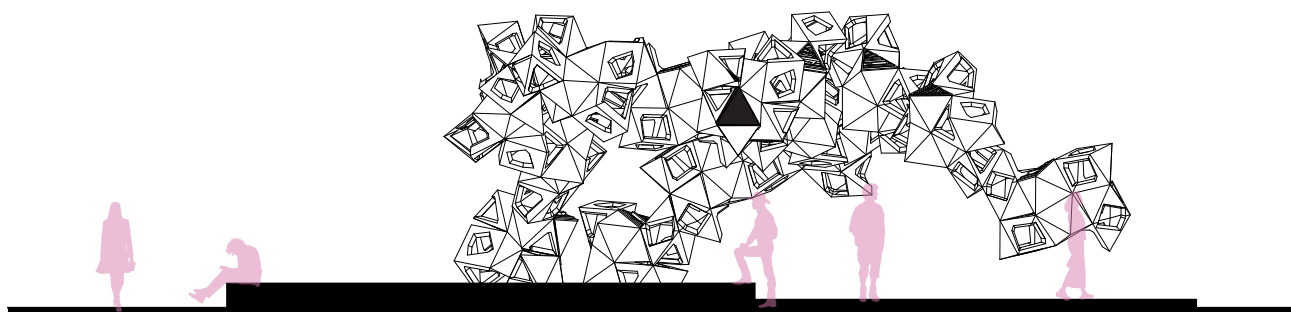
This project uses the relationship of light and air to create 4 distinct zones under one structure; of which can be used as a venue or public space for people to gather.



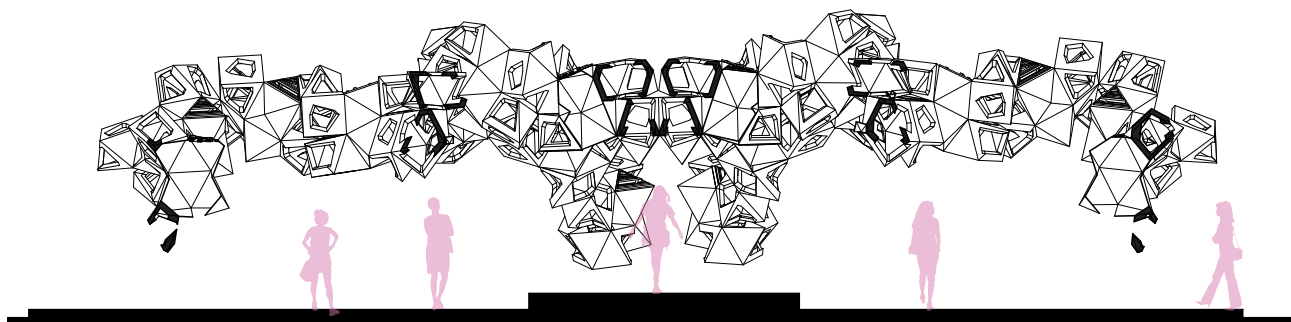




Plan



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.

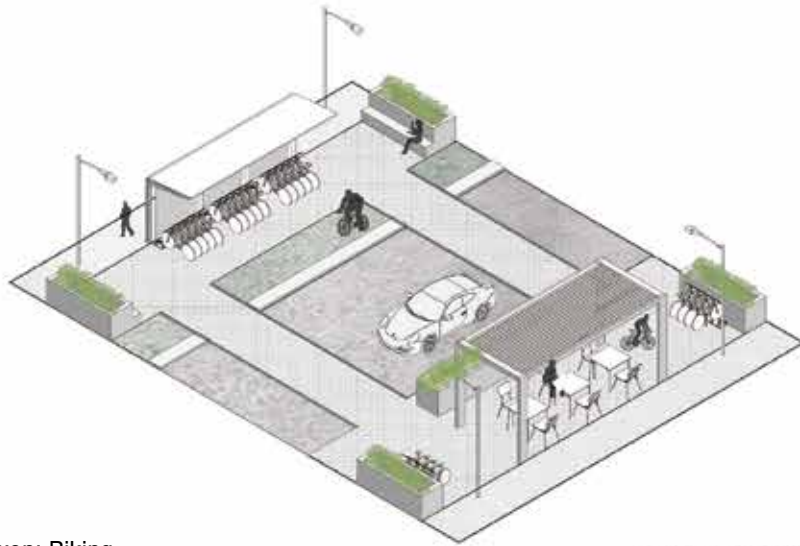






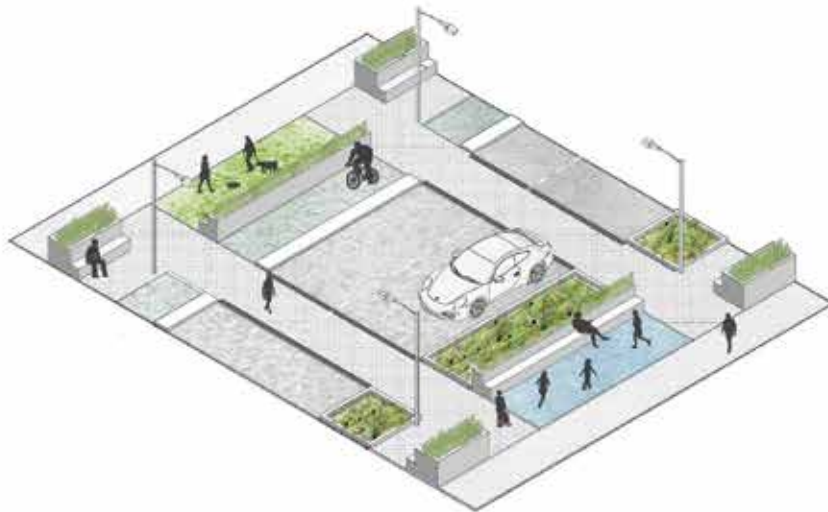
Patterson Houses Resiliency





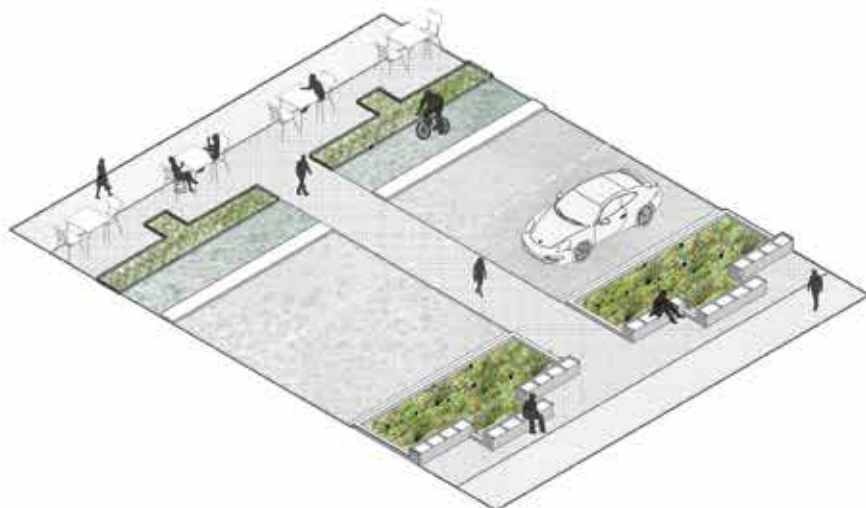
Road Prototype 01 Axon: Biking

ROAD PROTOTYPE 01 AXON: BIKING



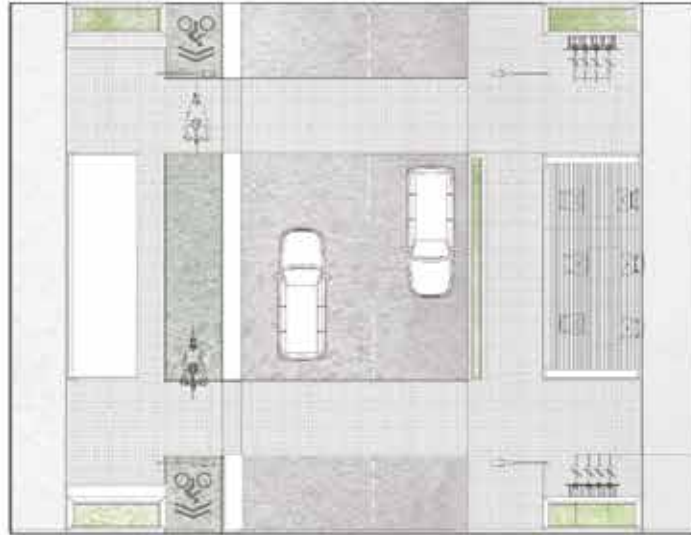
Road Prototype 02 Axon: Children's

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: BIKING

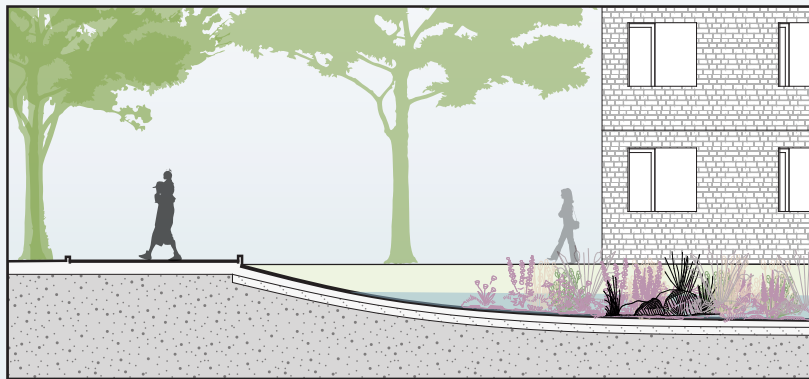
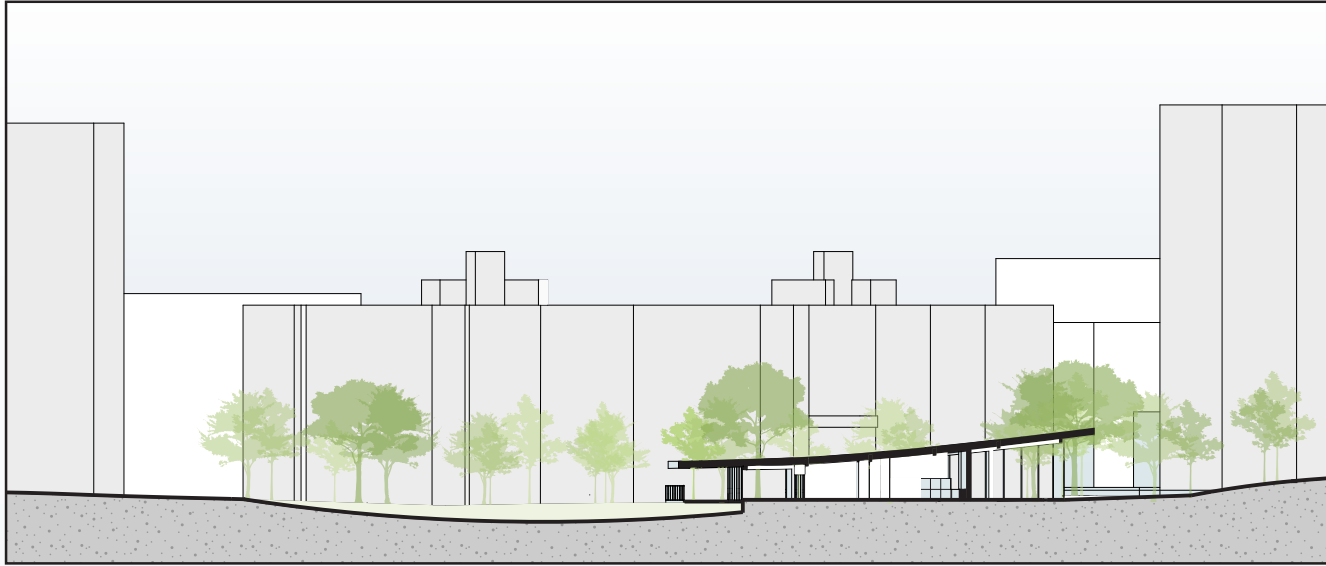


Road Prototype 02 Plan: Children's

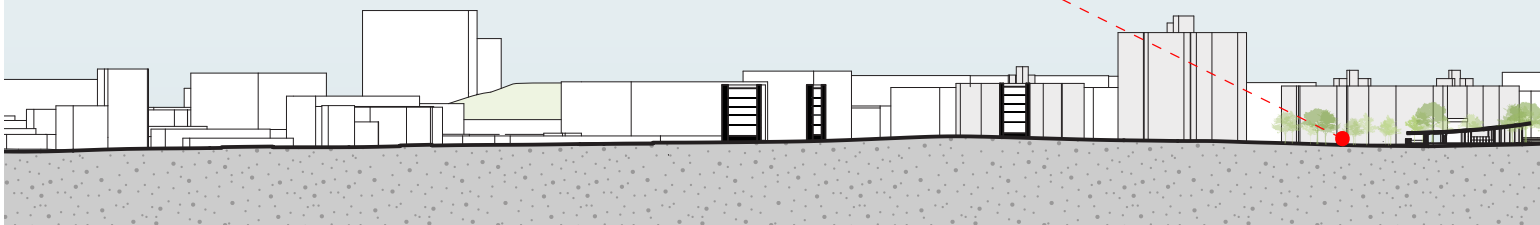
ROAD PROTOTYPE 02 PLAN: CHILDREN'S



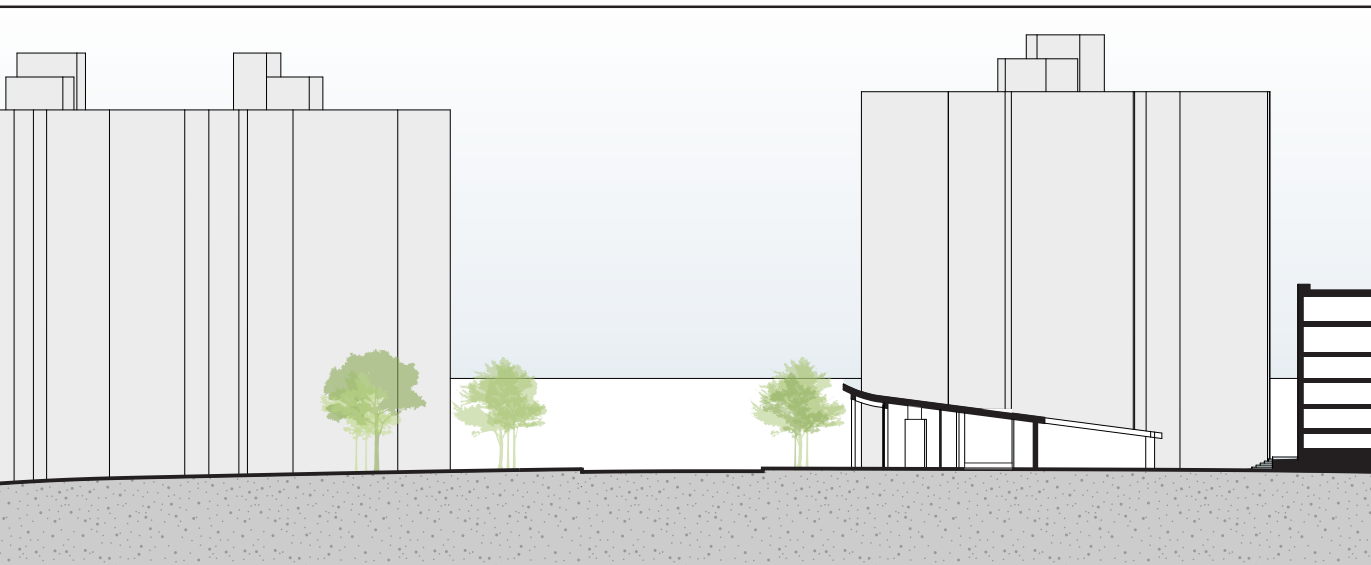
Road Prototype 03 Plan: Seating



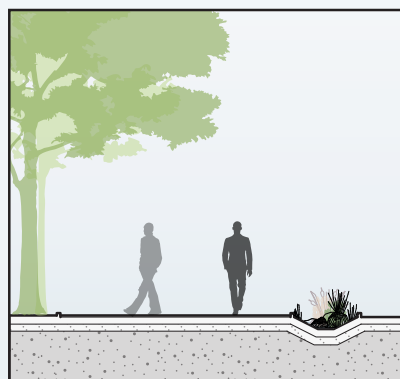
Rain Garden Section



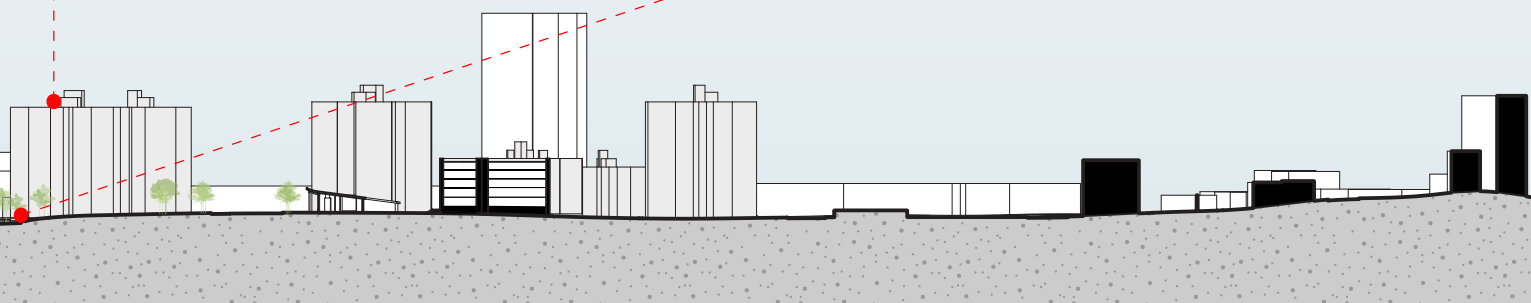
Site Section

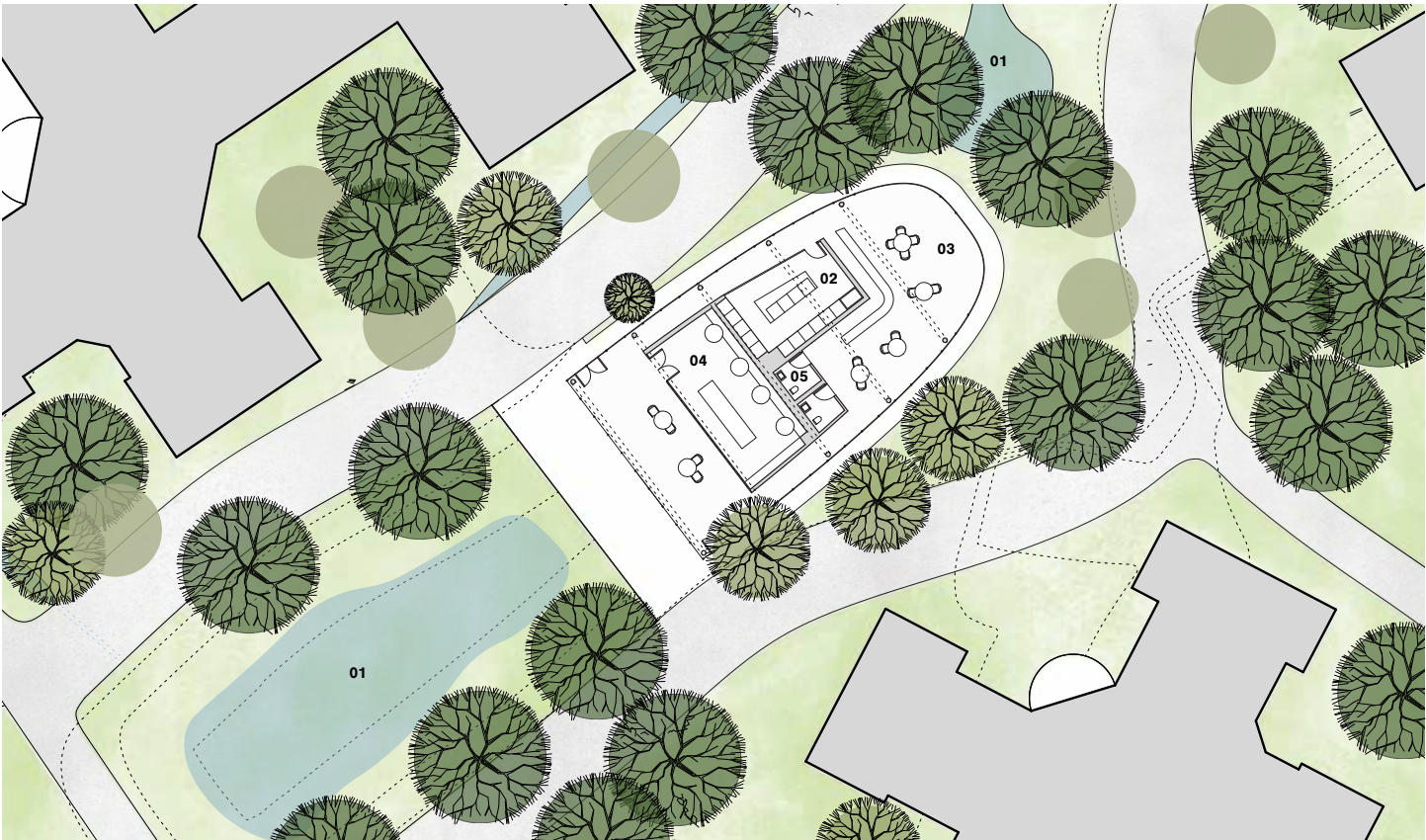


Patterson Zoomed Section



Rain Garden Section





Ground Floor Plan

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



Section A

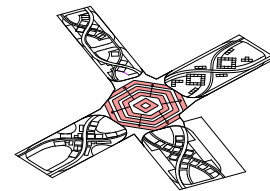
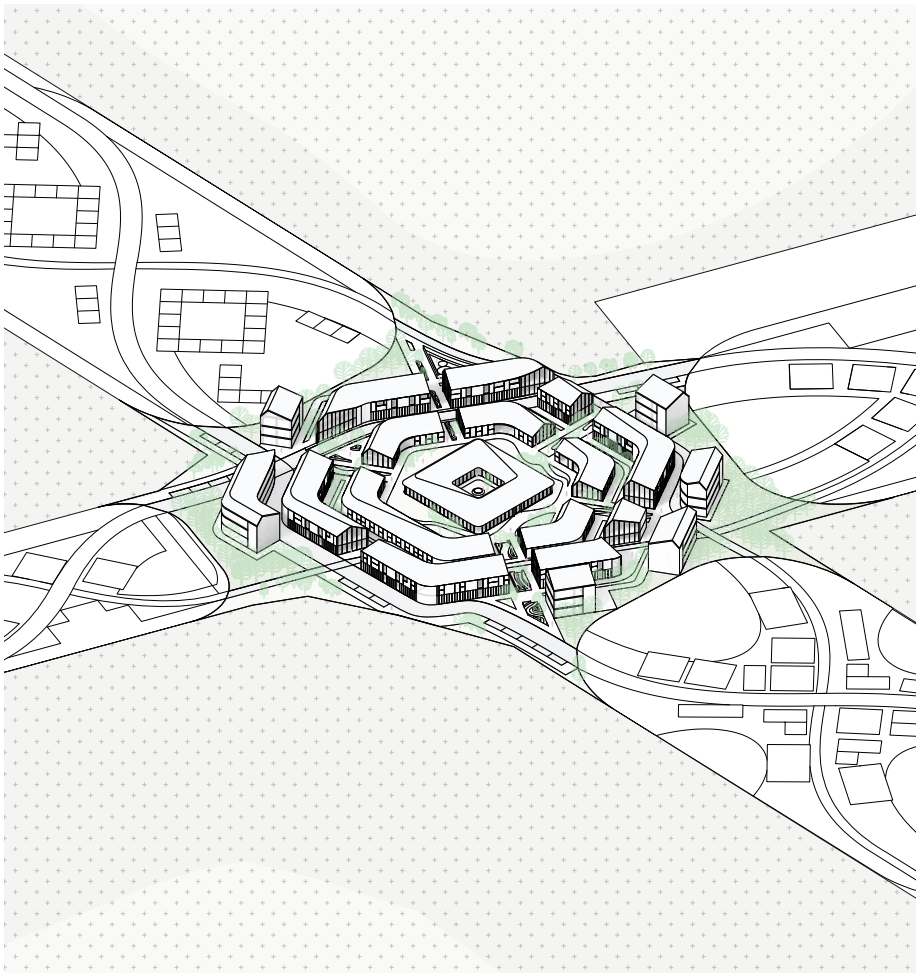


THE HEART

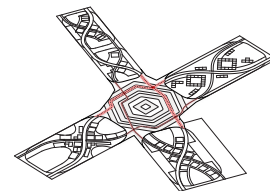
Architectural Design 05 - Thesis
Supervised by Alana Goldweit & Daniel Sundlin
Fall 2023 - Spring 2024

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.

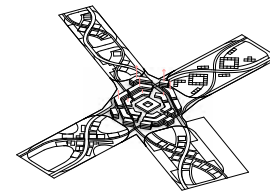
With sustainable practices driving the project in its material selection, sourcing, and construction, delivering a space to the community that values the its health and ikplementation of Net 0 principles was key.



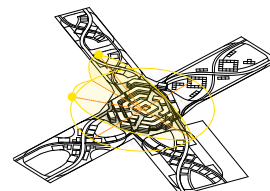
Rings



Circulation

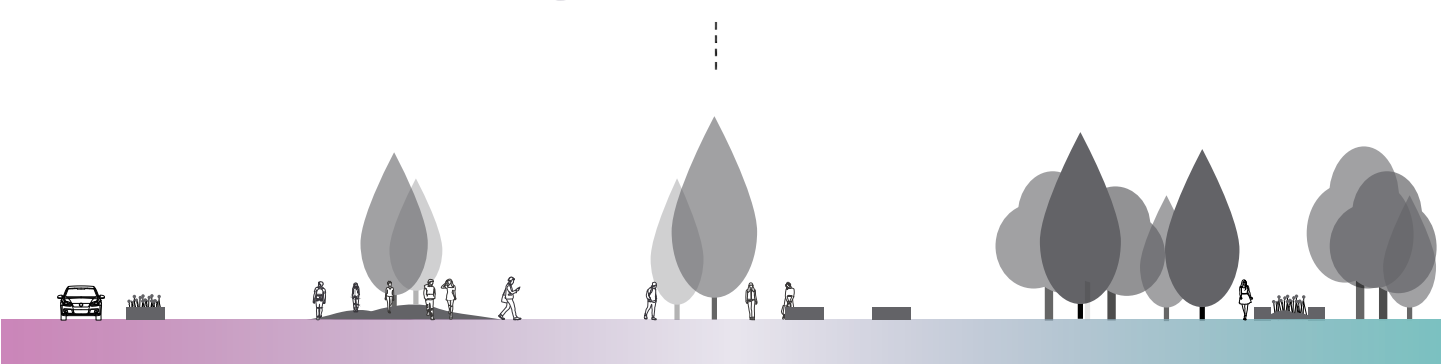
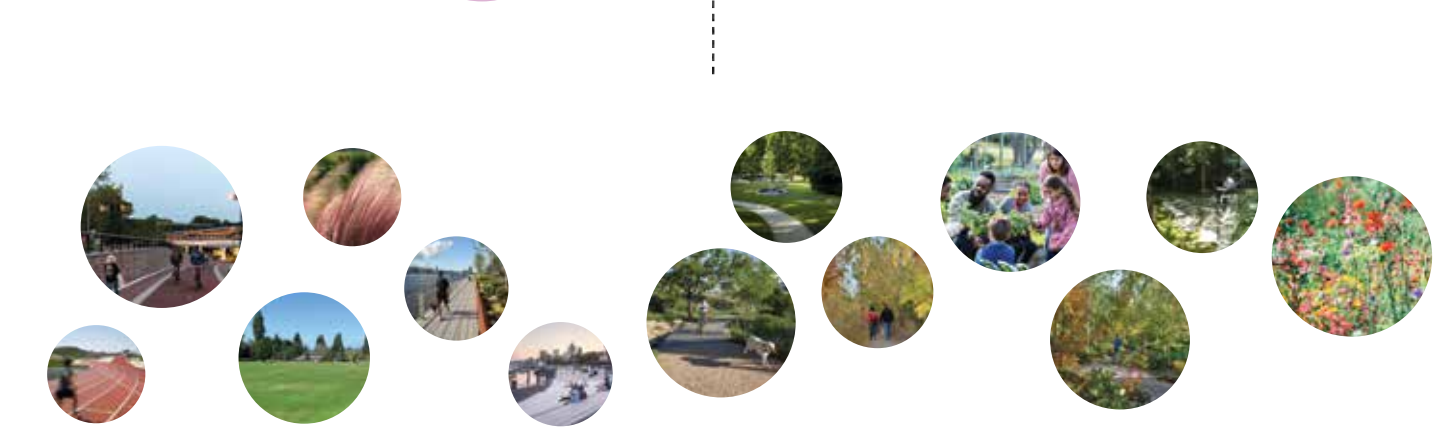
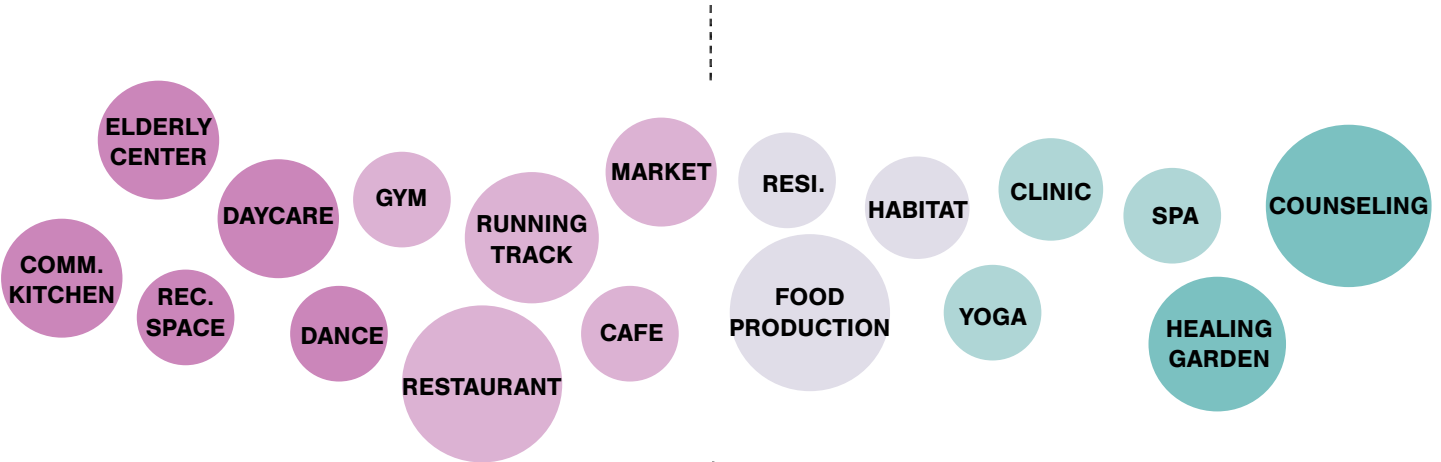
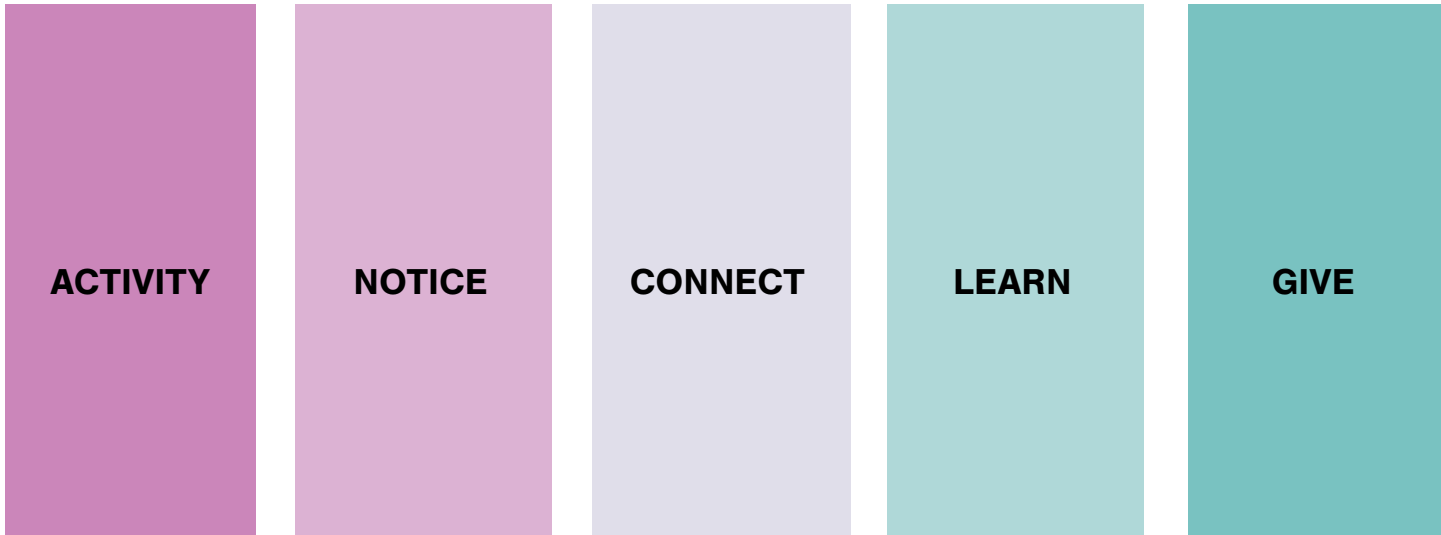


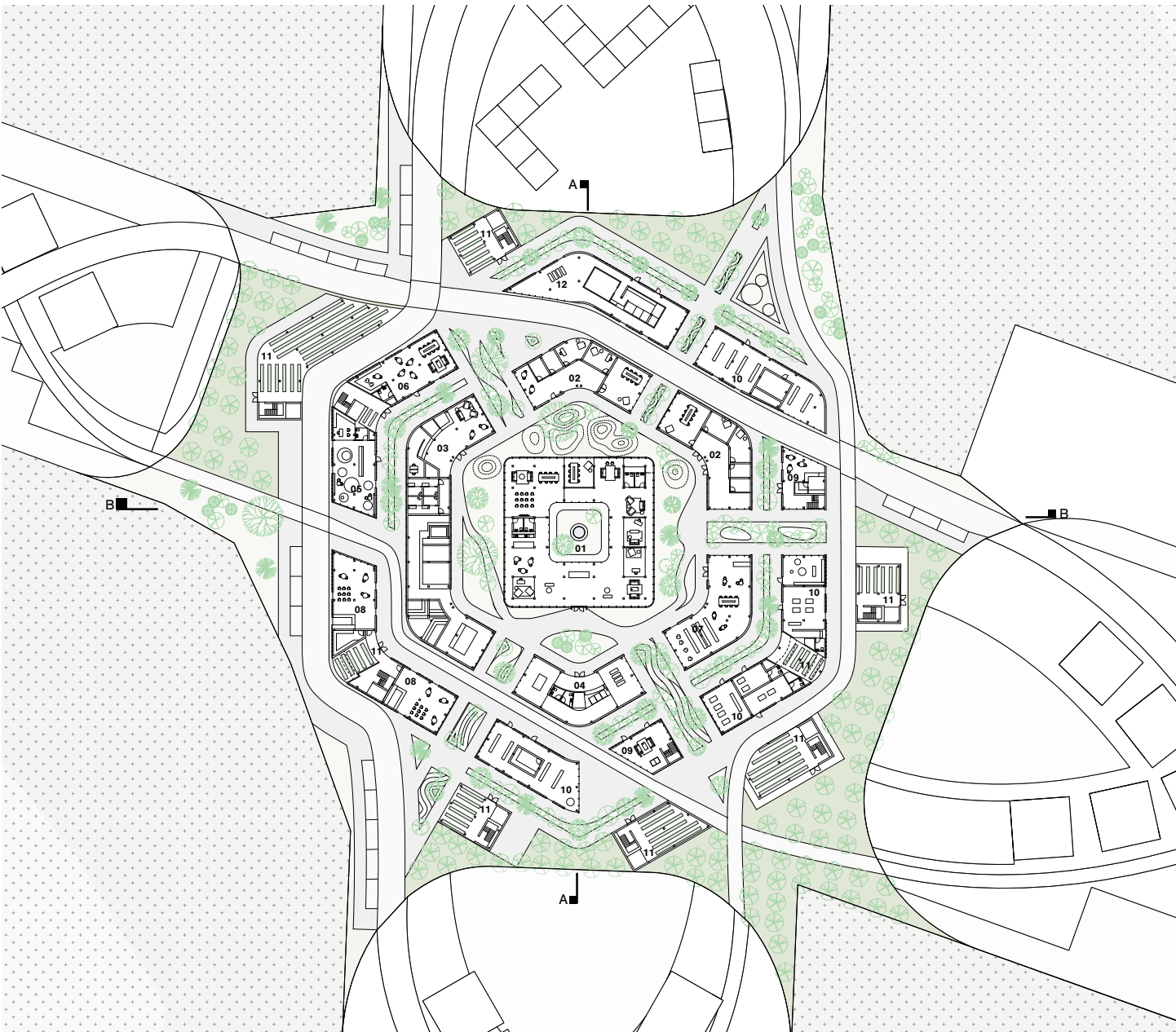
Raising



Climate

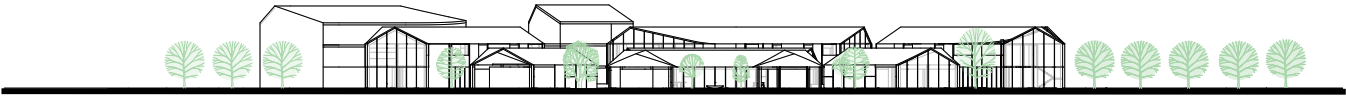






Ground Floor Plan

- | | | | |
|--------------------------------|--------------------------|-------------------|-----------------------------|
| 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 |

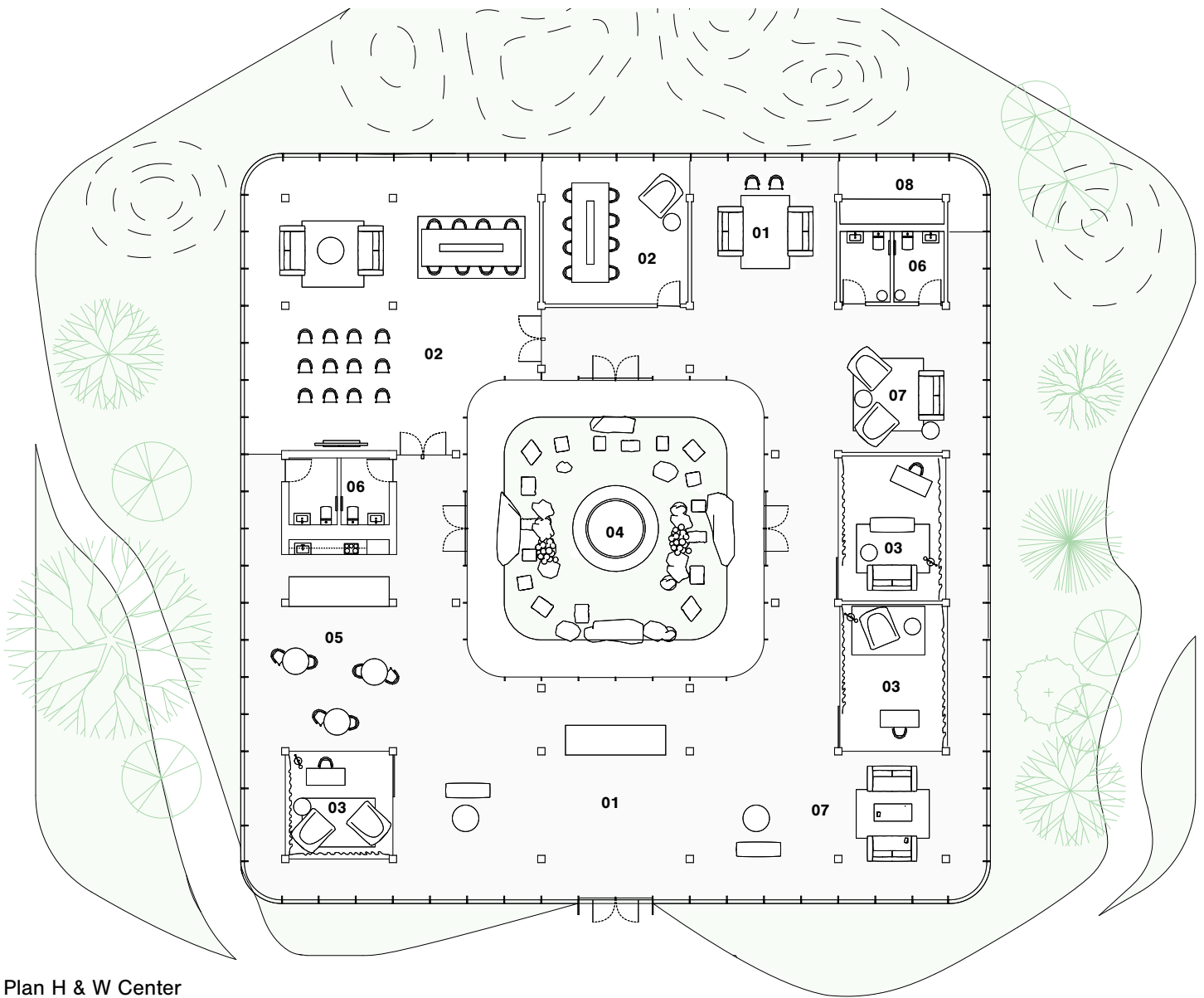


Section A



Section B





Plan H & W Center

01 Lobby

02 Gen. Counseling Rooms

03 Priv. Counseling Rooms

04 Cloister

05 Kitchen

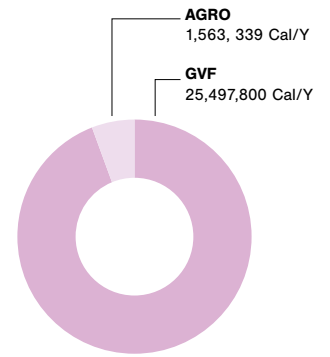
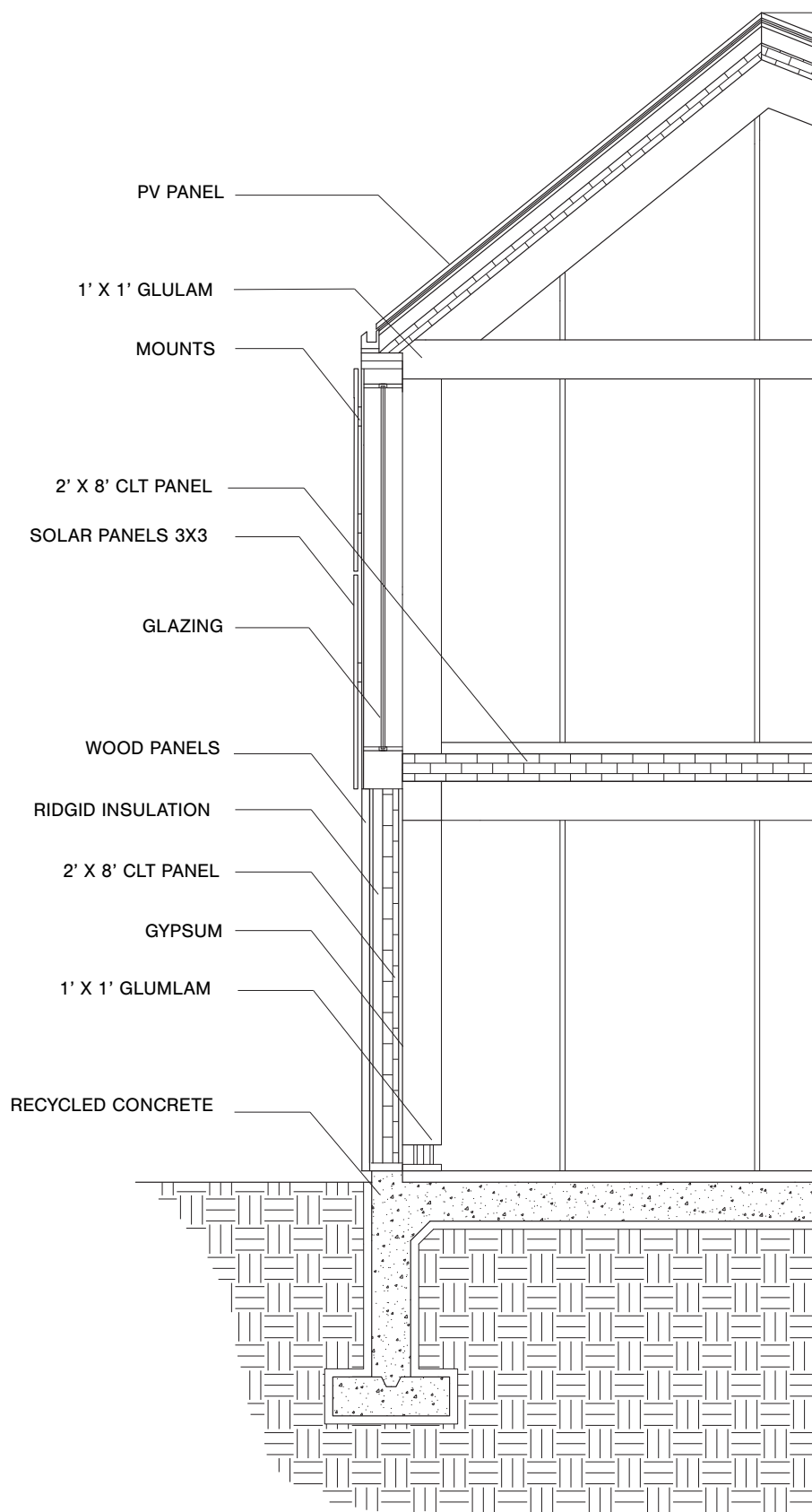
06 Restrooms

07 Seating Area

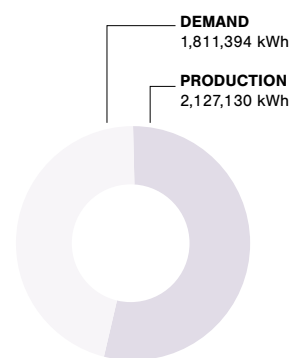
08 Storage



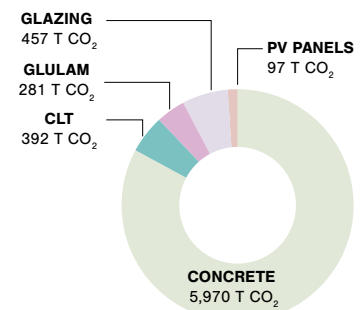
Section A



FOOD PROD.



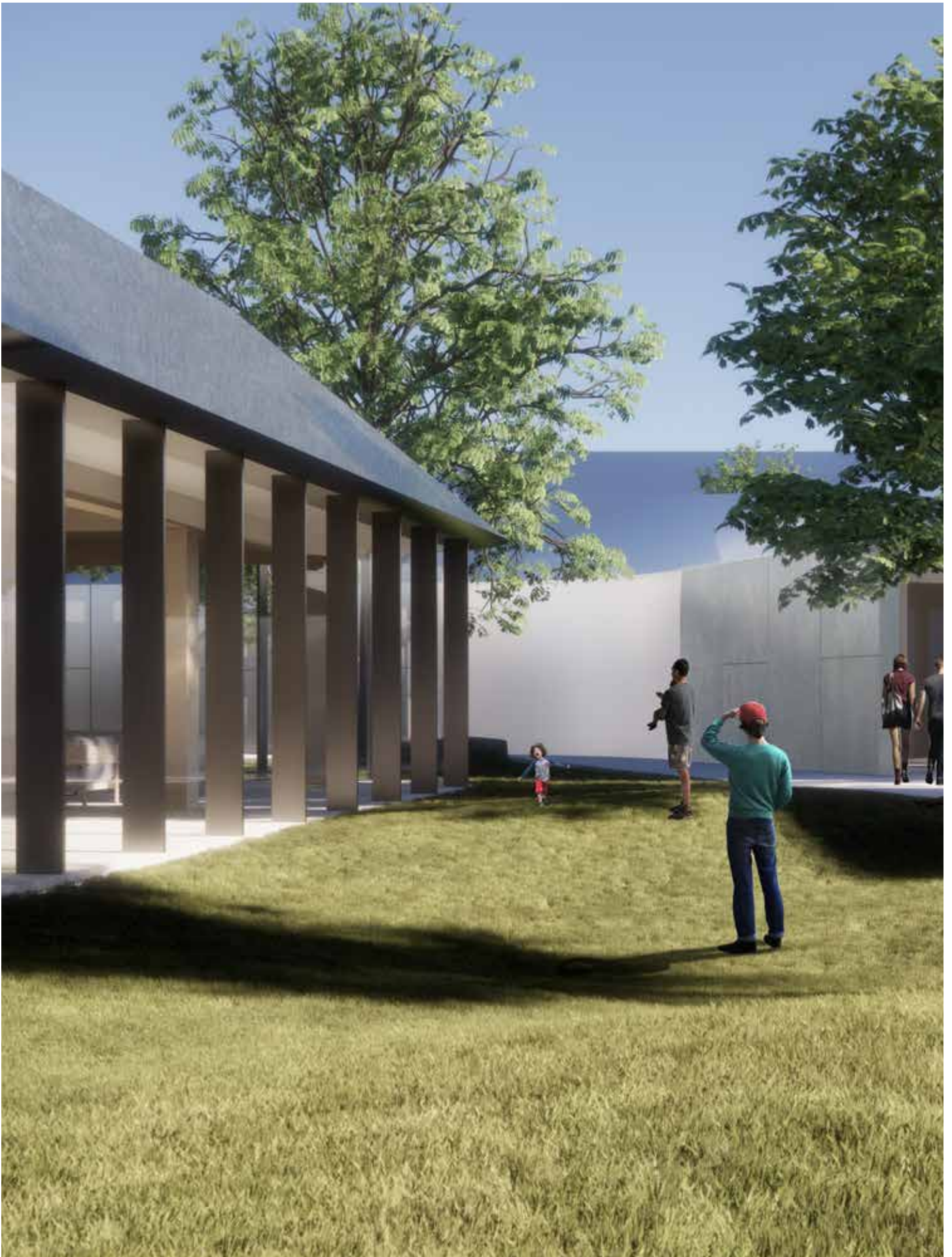
ENERGY



CARBON



NET 0 BY







Health + Wellness Center

