

A D A M W I E R Z G A L A

PORTFOLIO

ADAM WIERZGALA

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Kearny, NJ

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OBJECTIVE

Passionate architecture student seeking to enhance my skills in the field through work-related experience. Proficient in modeling programs, detail-oriented, and eager to explore creative freedom on various projects.

SKILLS

Rhinoceros 3D

AutoCAD

Revit

Grasshopper 3D

Enscape

Adobe Suite

Microsoft Suite

Modelmaking

Lasercutting

3D Printing

REFERENCES

Vera Parlac

Associate Professor | NJIT

Phone: 973-596-5579

Email: vera.m.parlac@njit.edu

Mazen Tinawi

Employer

Phone: 201-889-8667

Email: mazentinawi@yahoo.com

EDUCATION

New Jersey Institute of Technology

2020 - Present

Newark, NJ

- Pursuing a Bachelor of Architecture at the Hillier College of Architecture and Design
- Relevant Coursework: Studio I-VI, Advanced Studio I, Construction, Structures, Environmental Control Systems, Professional Practice, Digital Modeling, BIM, and History of Architecture

Kearny High School

2016 - 2020

Kearny, NJ

- Extracurricular Activities: Student Government Association Treasurer, National Honor Society, Cross Country, Italian Club Member

WORK EXPERIENCE

Midland Family Dentistry

May 2023 - Present | Office Manager

Kearny, NJ

- Provided exceptional customer service to patients at the time of their visit
- Managed front desk operations including greeting patients, answering phones, and scheduling appointments
- Increased office efficiency and organization by maintaining a system for patient records, billing procedures, and insurance claims
- Collaborated with dental assistants and hygienists to ensure a seamless workflow, creating a positive environment and improving patient satisfaction

ORGANIZATIONS

AIAS Board of Directors

April 2023 - Present | Supply Shop Volunteer Manager

- Engaged with the student body to enlist members and participate in events
- Created a schedule to ensure utmost operating efficiency throughout the semester

AIAS Freedom by Design

Sept. 2022 - Dec. 2022 | Project Assistant

- Participated in planning and executing community engagement projects

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01 CANALETTO ART MUSEUM

TYPOLOGY Art Museum

SEMESTER Fall 2023 Advanced Studio I

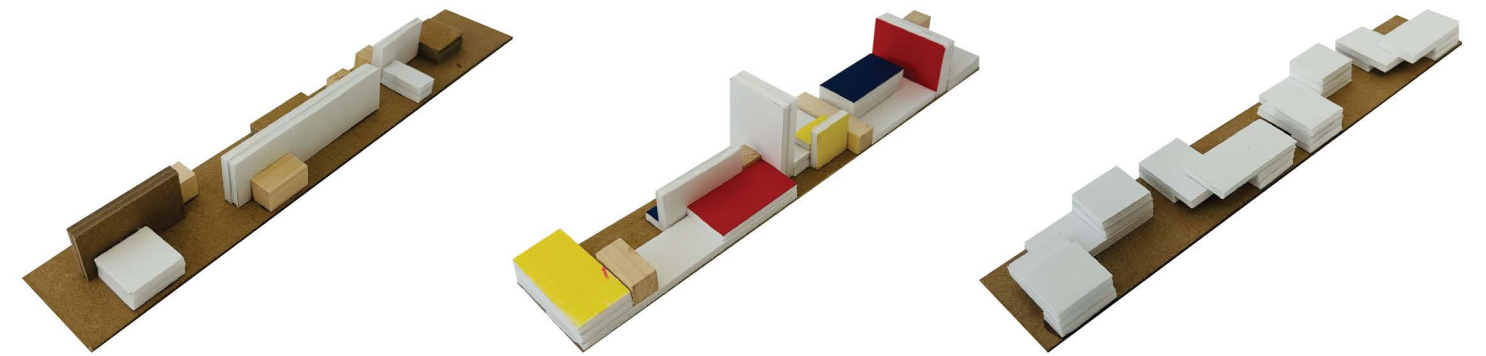
LOCATION Venice, Italy

PROF. Vera Parlac

PROJECT STATEMENT

The Canaletto Museum serves as a tribute to the artist by exhibiting his traditional works in an architectural form that accentuates the essence of Venice. Inspired by the morphology of Venice and its urban fabric, an interplay between solid and void informs the organization of spaces on the interior and exterior. The hierarchy of organization informs circulation and sequential experiences, allowing users to immerse themselves in the art and architecture.

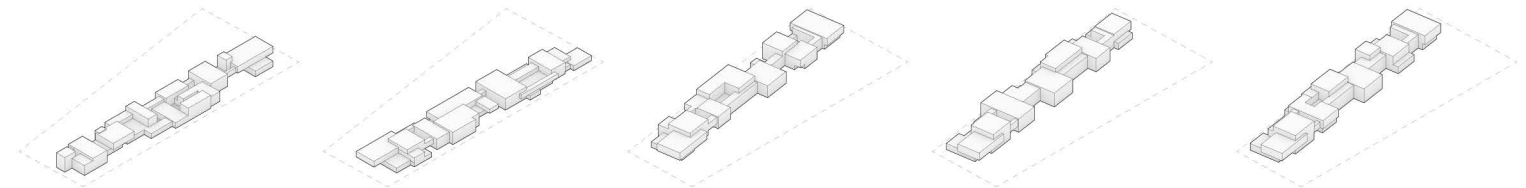
A modern form juxtaposed with traditional elements blends the two styles in a harmonious experience for visitors on the site. Galleries exhibit various forms of art while transitional spaces facilitate user interaction and enhance visual connections to the outdoors. The exterior landscape fosters outdoor public activity and preserves its integrity to the surrounding Venetian context.



CONCEPTUAL STUDIES

EXPLORING FORM

Studying the relationship of solid and void as a design strategy led to a series of form explorations throughout the development of the project. Maintaining the playful language studied in the conceptual phase into a functional organization resulted in a network of volumes that capture the initial design intent.



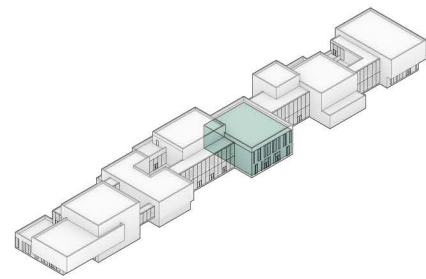
CONCEPTUAL ITERATION

CONCEPTUAL ITERATION 2

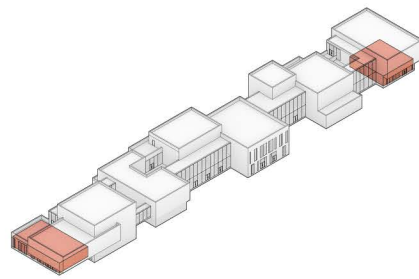
SCHEMATIC DESIGN

DESIGN DEVELOPMENT

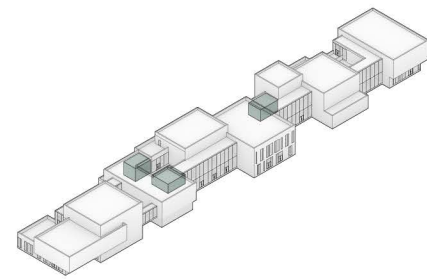
FINAL DEVELOPMENT



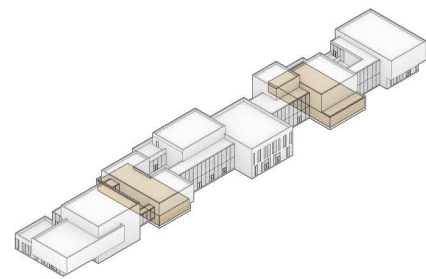
PORTEGO
A centrally located main entrance invites visitors to experience the galleries and public events.



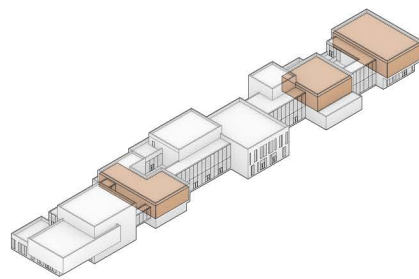
DINING
The trattoria and ristorante are easily accessible at opposite ends for visitors seeking a dining experience.



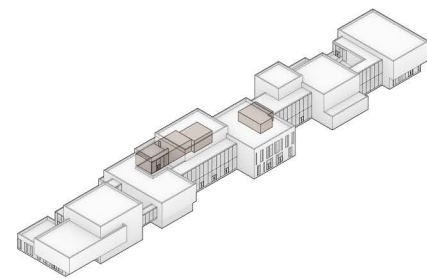
SHOPS
Museum shops compliment the galleries to sell various collections of Canaletto's art and exhibitions.



SMALL WORKS
Galleries exhibit smaller works such as sketches and drawings on the ground floor.



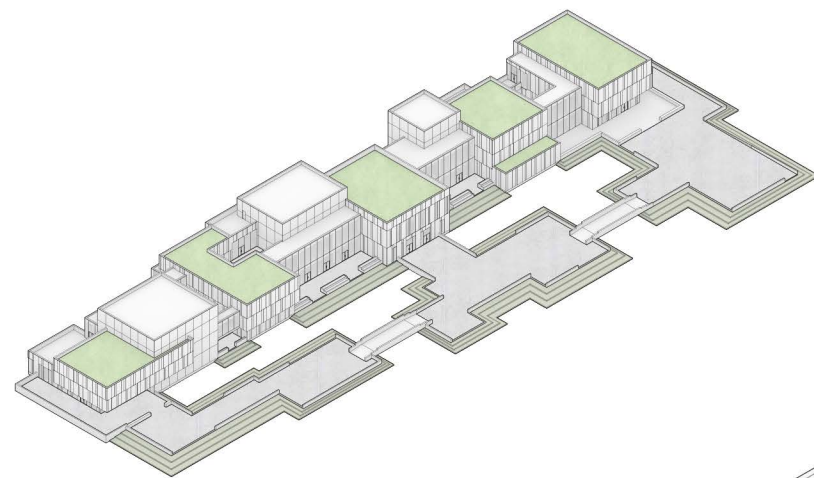
LARGE WORKS
Galleries exhibit large paintings on the second level to create a grand effect of the space.



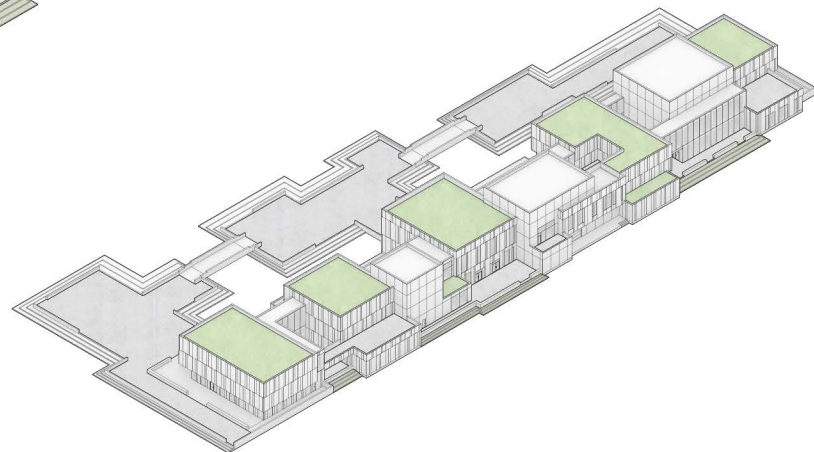
ADMINISTRATION
Private offices for building officials to work and maximize operating efficiency.

FUNCTIONAL ORGANIZATION

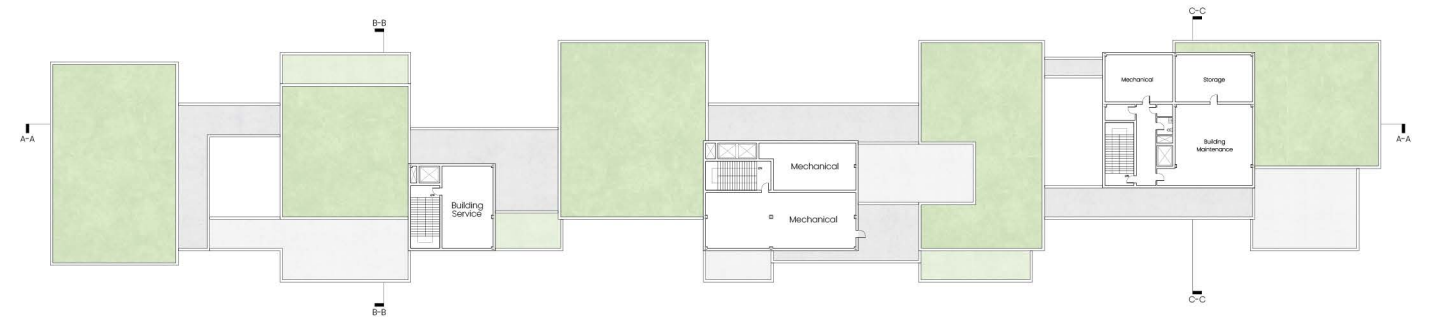
Drawing inspiration from the spatial layouts of Venice, the organization of programmatic spaces mimicks the relationship between solid and void. Galleries and public spaces are distributed across two levels to create sequential experiences for users as they circulate through transitional spaces. Outdoor spaces compliment galleries by emphasizing views of the surrounding landscape and city.



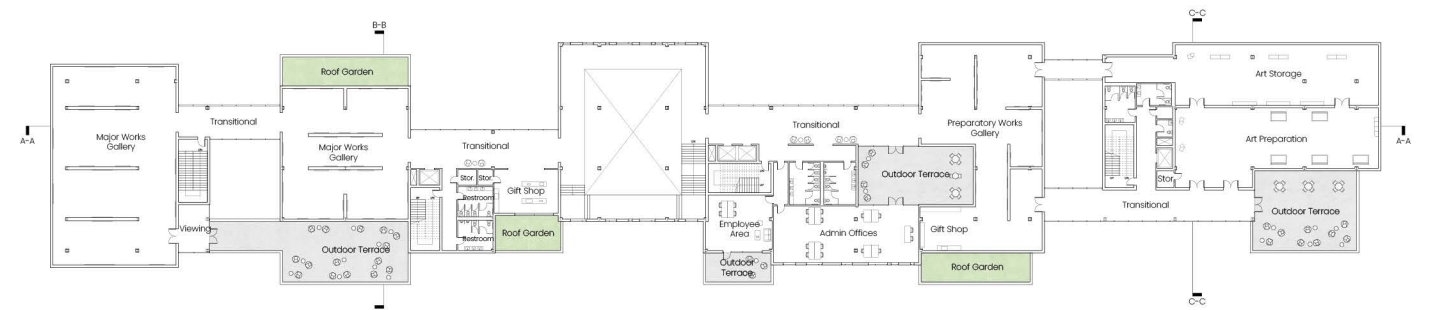
GREEN ROOF
Incorporating natural elements on upper levels of the building to optimize building systems and address environmental factors.



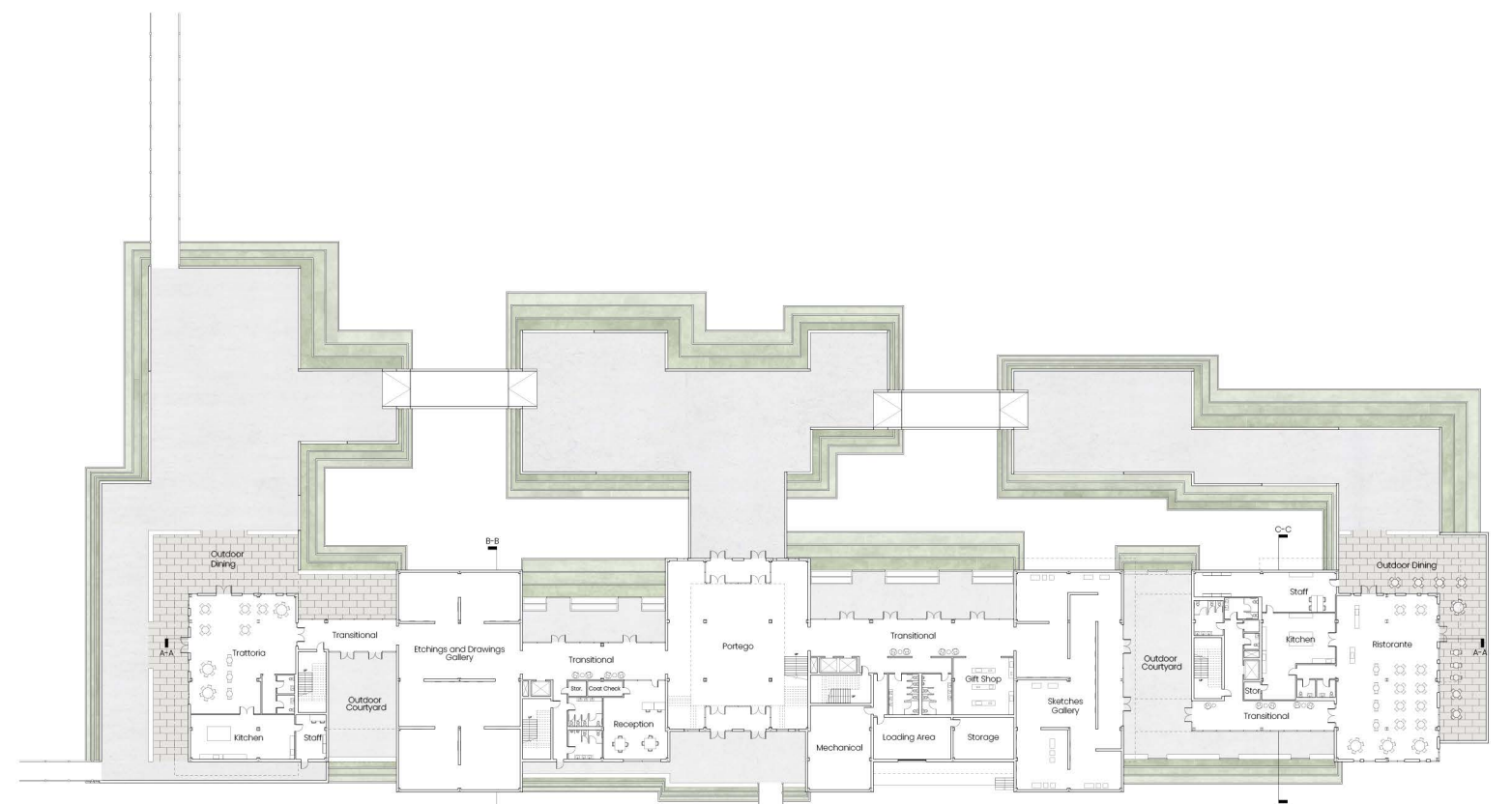
LANDSCAPE
A series of outdoor terraces activate the landscape for user experience. Grass levels step down into the water and connect with the surrounding environment.



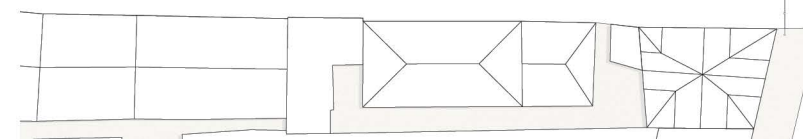
THIRD LEVEL PLAN

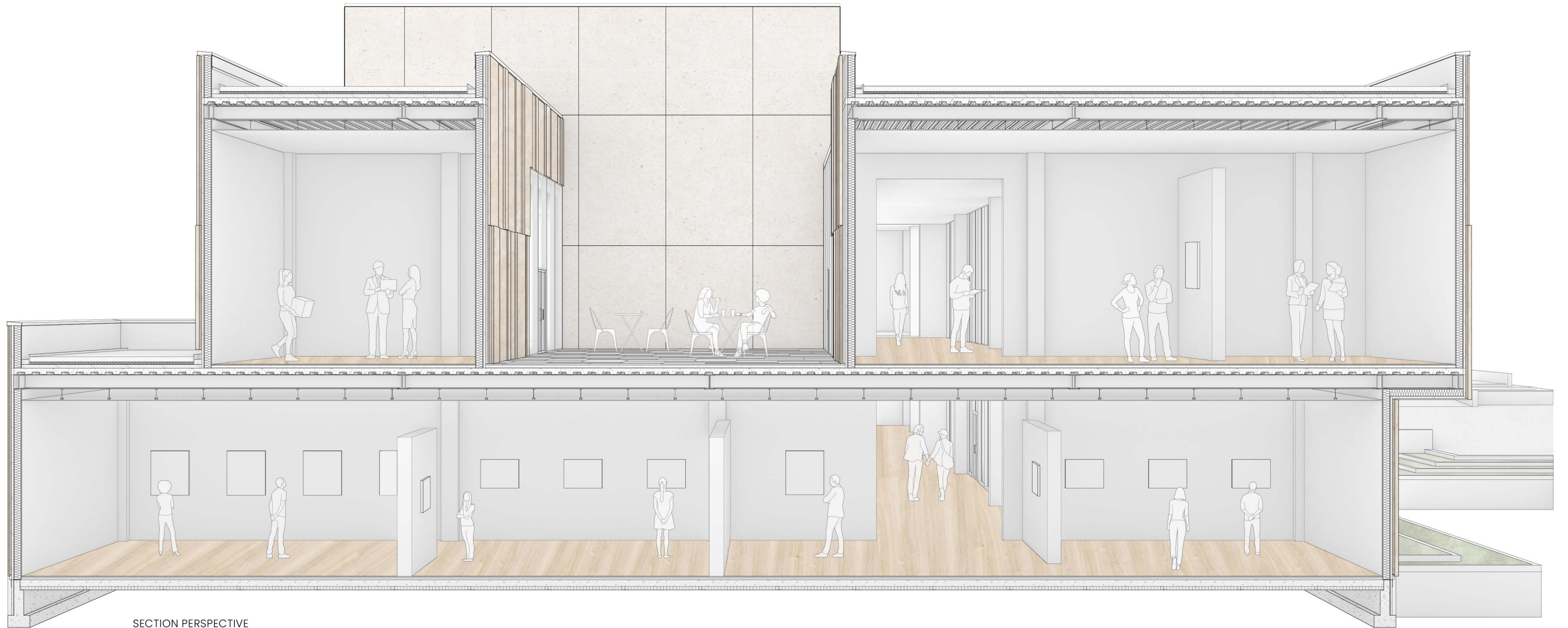


SECOND LEVEL PLAN

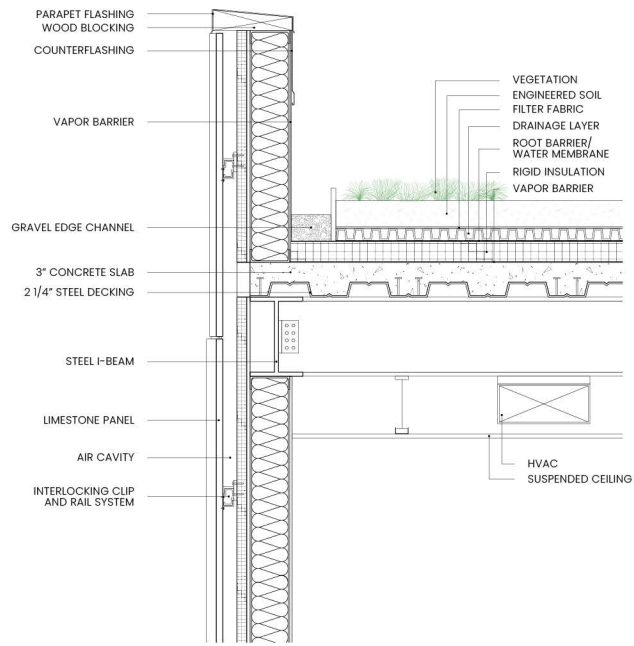


GROUND LEVEL PLAN

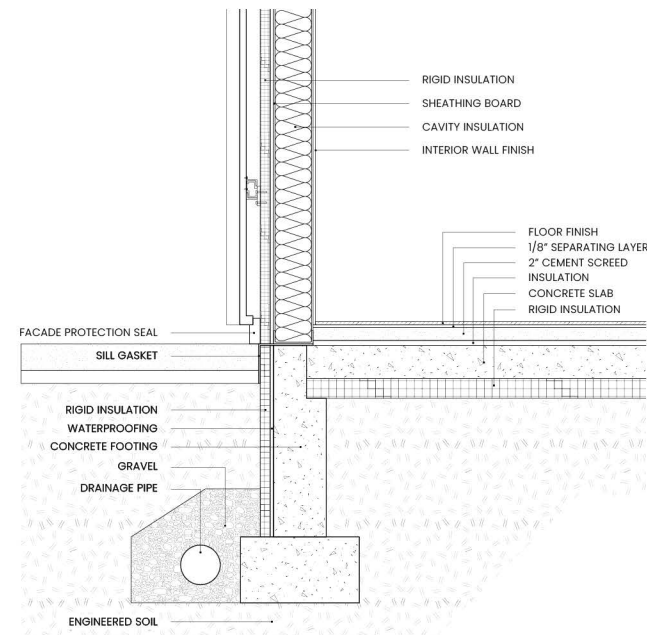




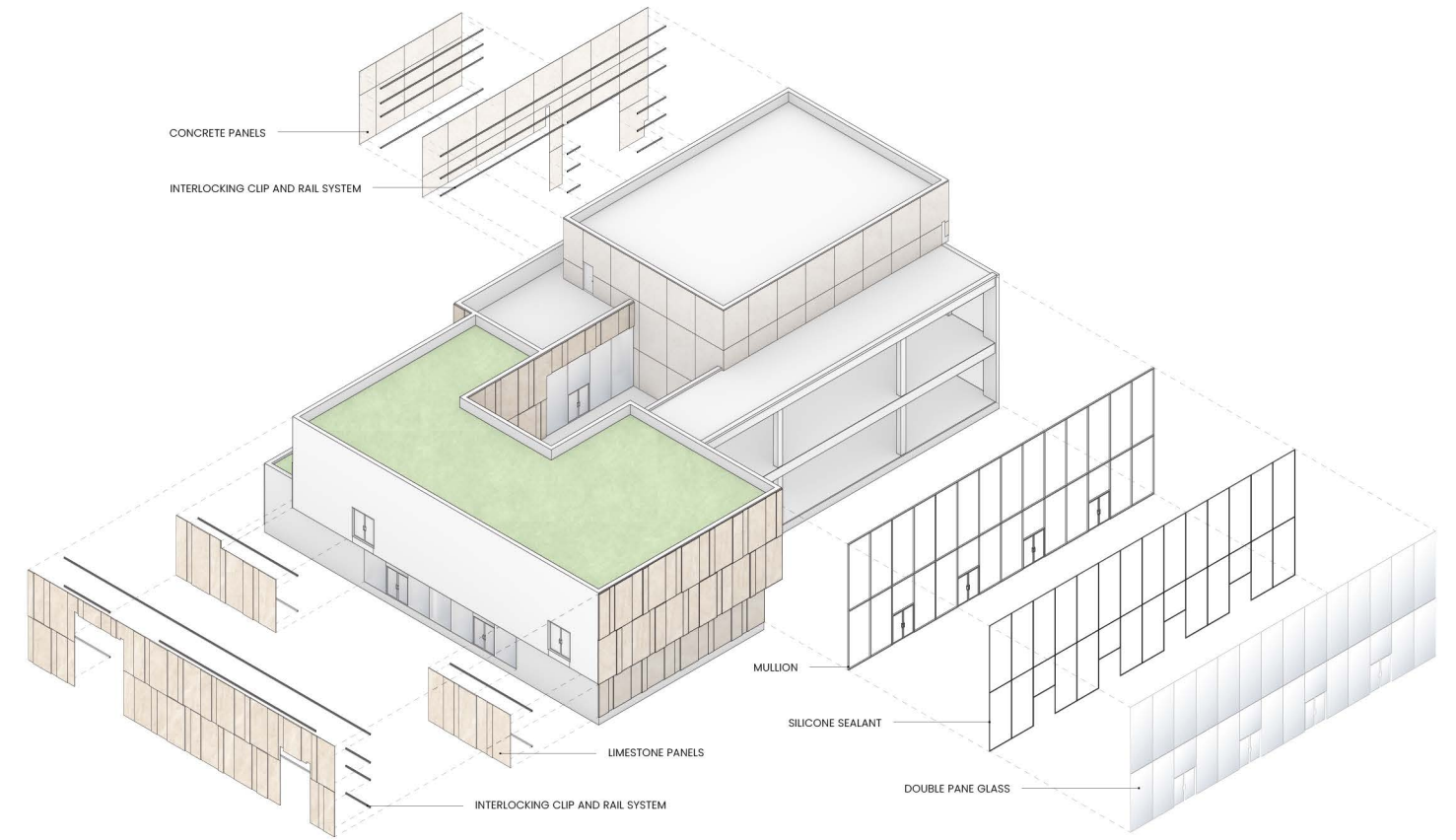
SECTION PERSPECTIVE



ROOF GARDEN WITH PARAPET DETAIL



GROUND FLOOR FOUNDATION DETAIL



FACADE ASSEMBLY EXPLODED AXONOMETRIC

TRADITIONAL MATERIALS

The interplay between the solidity of stone and transparency of the curtain walls defines the architectural character by blending tradition with modernity in a harmonious composition that captures the architectural essence of Venice.



NORTHWEST ELEVATION



LONGITUDINAL SECTION

02 DYNAMIC COMMUNITY

TYPOLOGY Community Housing

SEMESTER Fall 2022 Studio V

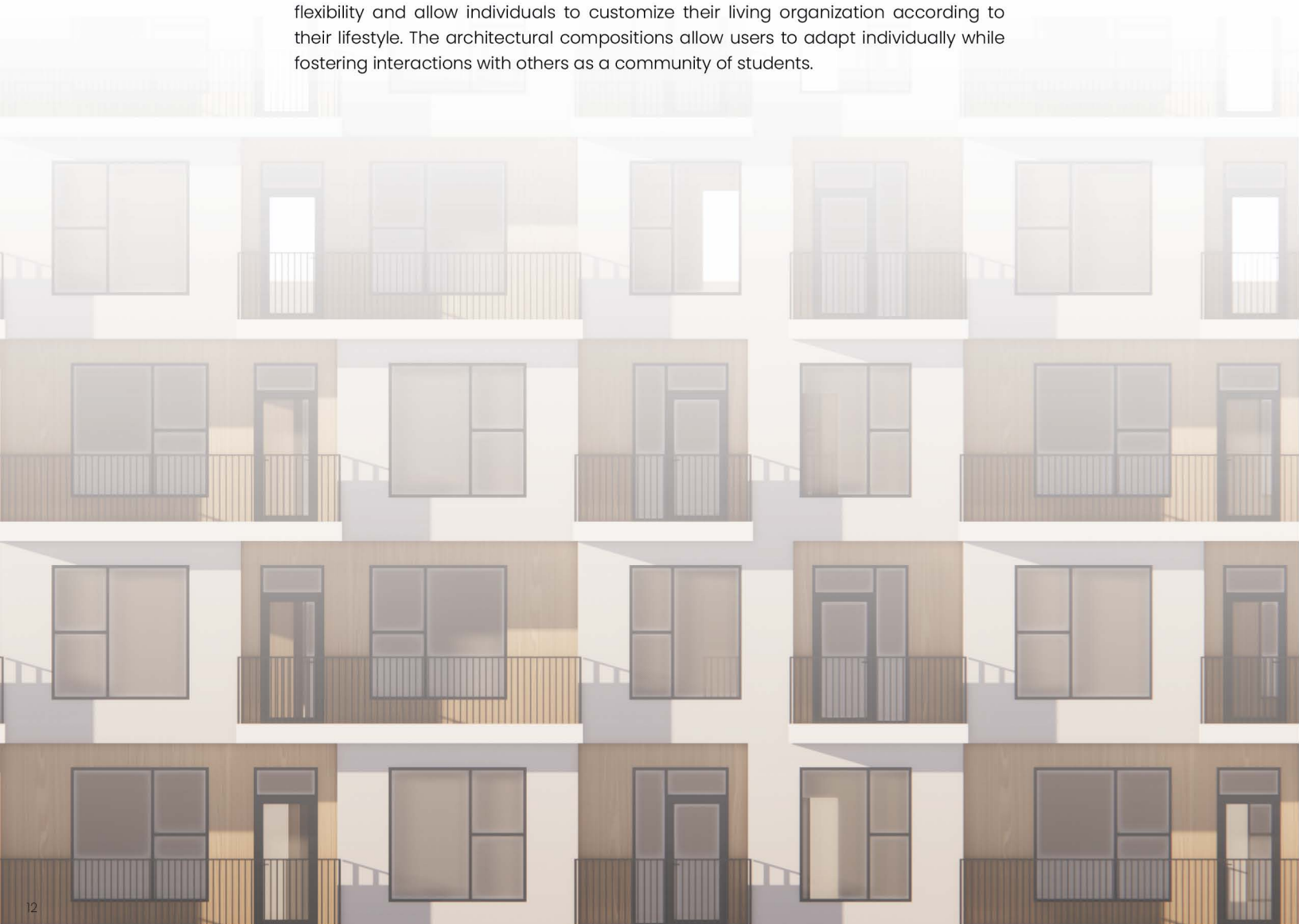
LOCATION Newark, New Jersey

PROF. Elizabeth MacWillie

PROJECT STATEMENT

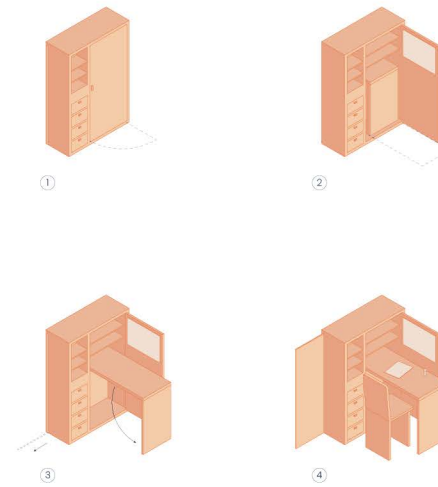
Defining spaces for a community creates an opportunity to represent the continuously evolving lives and need for flexibility as individuals come together. This project focused on the lives of students, which consist of varying schedules, interests, and relationships that intertwine when posed in a shared living space.

Introducing the idea of modules as dynamic elements in a living space presents opportunities for people to grow and change. The rest and work modules offer flexibility and allow individuals to customize their living organization according to their lifestyle. The architectural compositions allow users to adapt individually while fostering interactions with others as a community of students.



WORK MODULE

A compact module creates a flexible workspace that can be utilized independently or with others for collaboration among users.



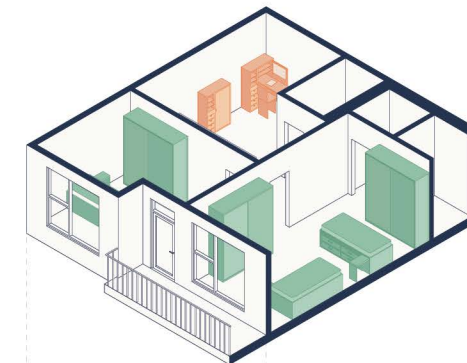
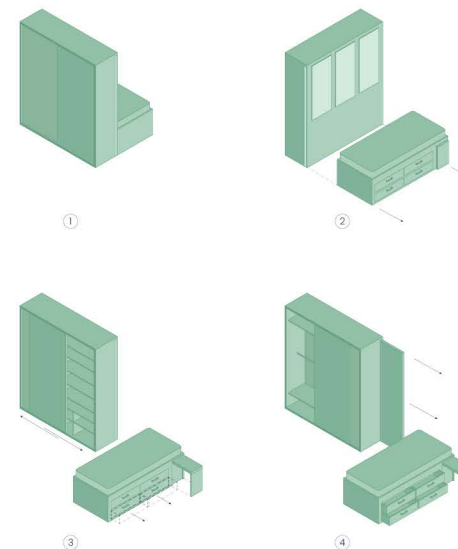
STUDIO 444 sq ft



1 BEDROOM 670 sq ft

PERSONAL MODULE

A flexible module for rest adapts to functional and privacy needs of the user by providing a personal area that can be arranged in the unit.



UPPER LEVEL



DUPLEX 1590 sq ft

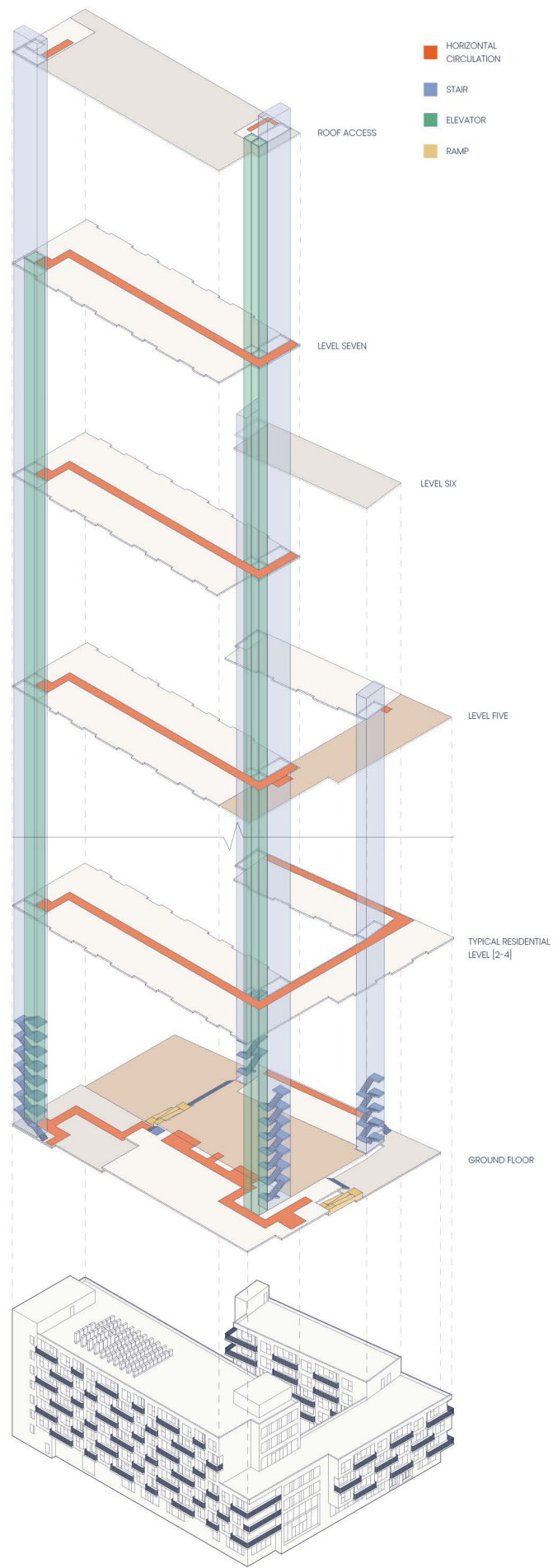
GROUND LEVEL



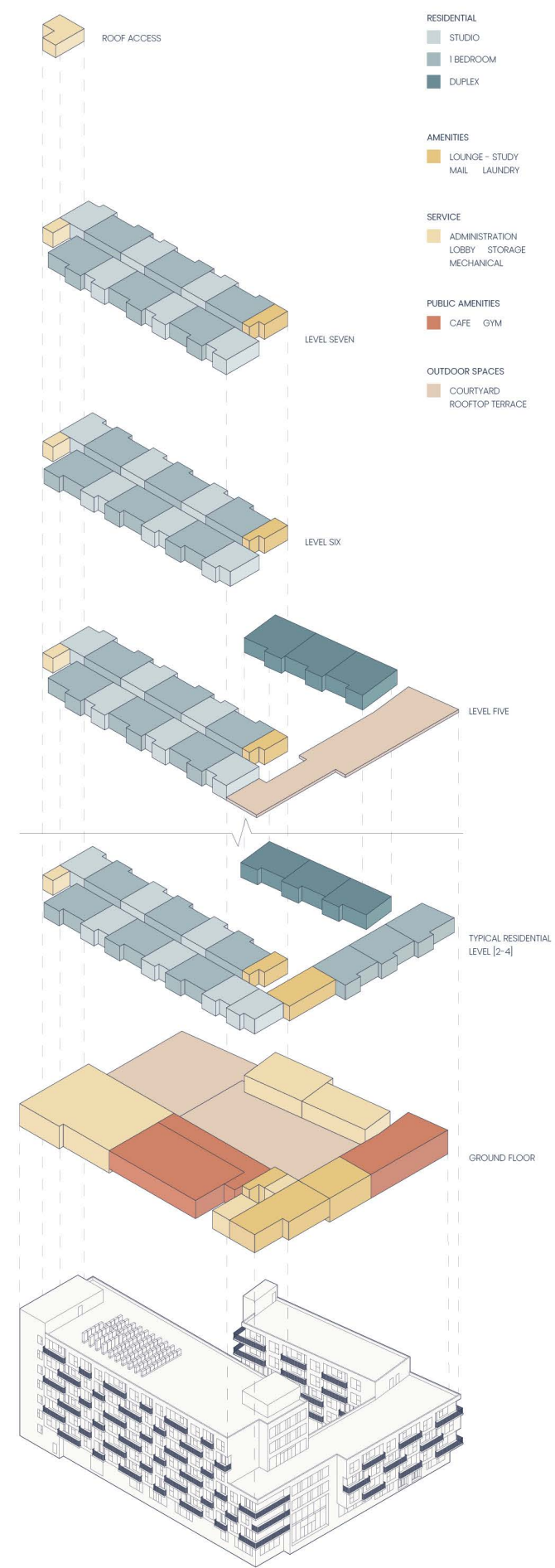
GROUND LEVEL PLAN



TYPICAL RESIDENTIAL LEVEL PLAN [2-4]



BUILDING CIRCULATION

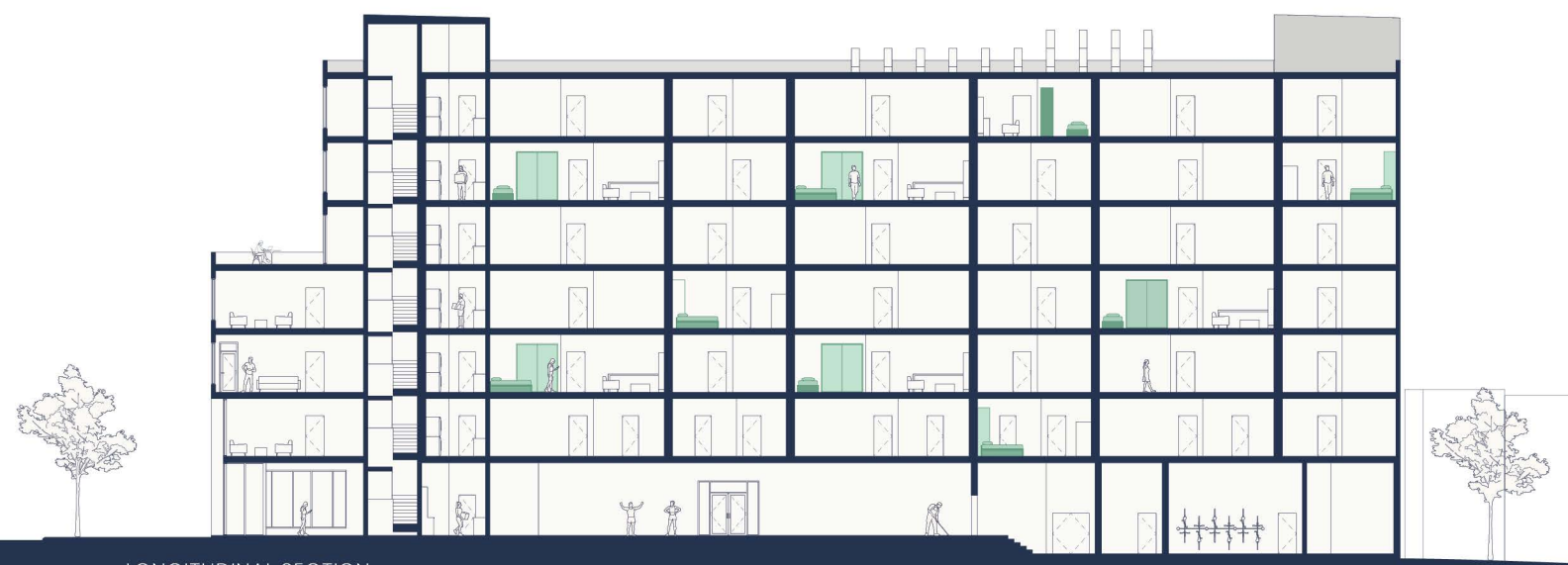


FUNCTIONAL ORGANIZATION

UNIT ARRANGEMENT
 Following the intention of designing living spaces for a dynamic community, the arrangement of residential units follows a linear order guided by site conditions to optimize space and efficiency. Shared amenities and communal spaces encourage social interaction among residents which further creates a vibrant and inclusive community.



NORTHWEST ELEVATION



LONGITUDINAL SECTION

03 URBAN ECOLOGY CENTER

TYPOLOGY Ecology Research Center

SEMESTER Spring 2023 Studio VI

LOCATION Brooklyn, New York

PROF. Magdalena Valdevenito

PROJECT STATEMENT

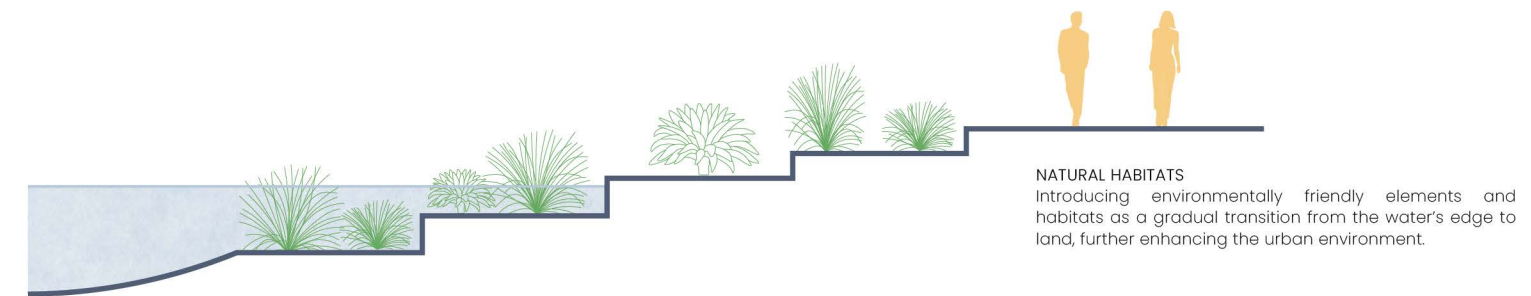
The urban context of the Gowanus Canal challenges the relationship between humans, architecture, and water. As ecological factors such as water levels become an increasing concern, the intent of this project is to invite the water through natural site conditions rather than preventing it. Natural landscapes throughout the site create public spaces and allow users to form connections with the surrounding nature.

The building form acts as a spine that pulls the surrounding community into spaces intended for public events and research. Programmatic organization follows a hierarchical order where public and private spaces become permeable and coexist without disrupting the urban experience of the site.



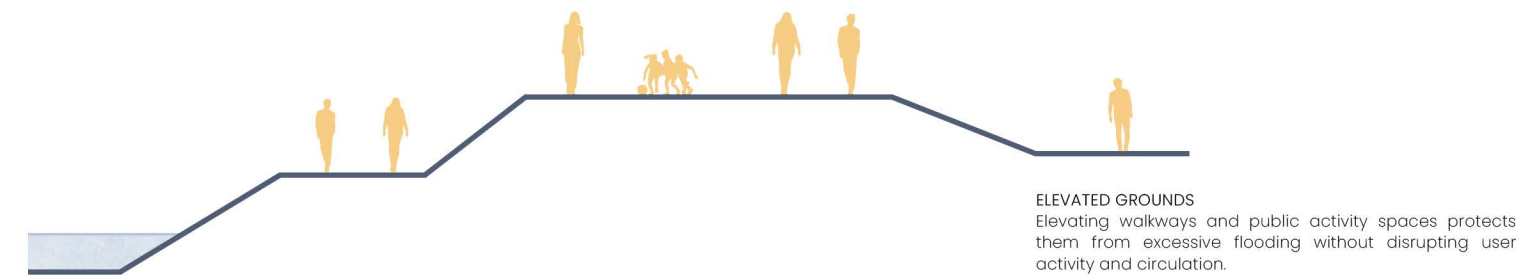
TREATMENT OF THE WATER'S EDGE

Preliminary research of the Gowanus Canal consisted of various design strategies that analyze the relationship between land and water. Implementing ways in which the water seamlessly blends with the landscape was essential in the further design of site conditions.



DEPLOYABLE BARRIER

Dynamic elements directly along bodies of water protect roadways using strength and durability without disturbing surrounding infrastructure.







PROTECTED PATHS

Nature-intensive elements surrounding public paths and roadways manages water runoff and combats flooding over long periods of time.




URBAN SITE CONDITIONS

The site design embraces the proximity to the water through architectural and experiential elements. Along the water's edge, permeable landscapes and natural wetlands create a soft barrier between land and water. A series of paths and terraces foster user activity and encourage interaction with the surrounding urban environment.

-  Outdoor terraces are an extension of interior public spaces.
-  Permeable pavement manages rainwater runoff.
-  Natural elements brighten the landscape throughout the site.
-  Natural wetlands soften the hard edge of the canal.



 GROUND LEVEL PLAN



THIRD LEVEL PLAN

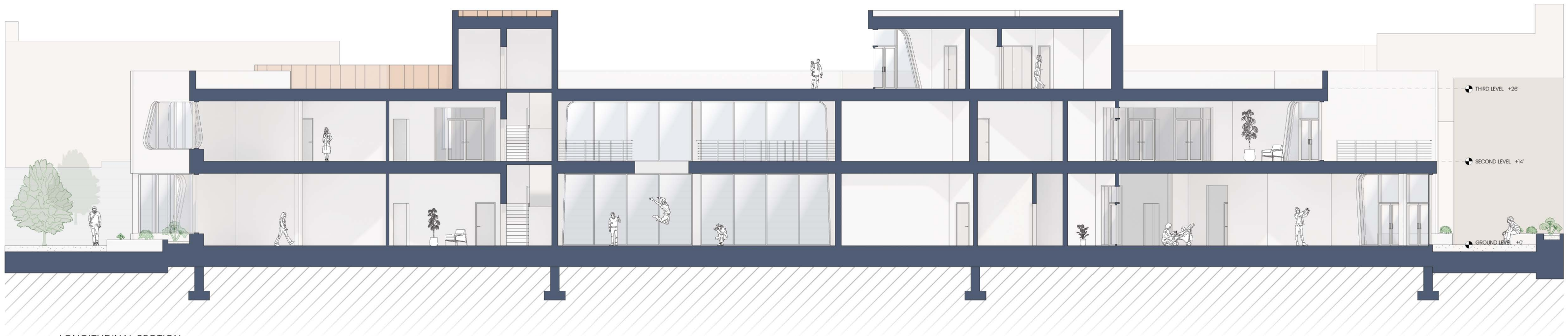
- PROGRAM LEGEND
- 1 FOYER
 - 2 PUBLIC EVENTS AREA
 - 3 CAFE AND BOOKSTORE
 - 4 PRESENTATION SPACE
 - 5 GALLERY
 - 6 RESEARCH AREA
 - 7 OUTDOOR RESEARCH
 - 8 CLASSROOM
 - 9 LABORATORY
 - 10 REFERENCE LIBRARY
 - 11 LOUNGE BALCONY
 - 12 MEETING SPACE
 - 13 MEETING ROOM
 - 14 ADMIN OFFICES
 - 15 STAFF OFFICES
 - 16 KITCHEN AND LUNCHROOM
 - 17 GUEST LIVING SPACE
 - 18 TECHNICAL SUPPORT
 - 19 RESTROOM
 - 20 STORAGE
 - 21 LOADING ACCESS
 - 22 MECHANICAL ROOM
 - 23 OUTDOOR TERRACE
 - 24 PUBLIC EVENTS PLAZA



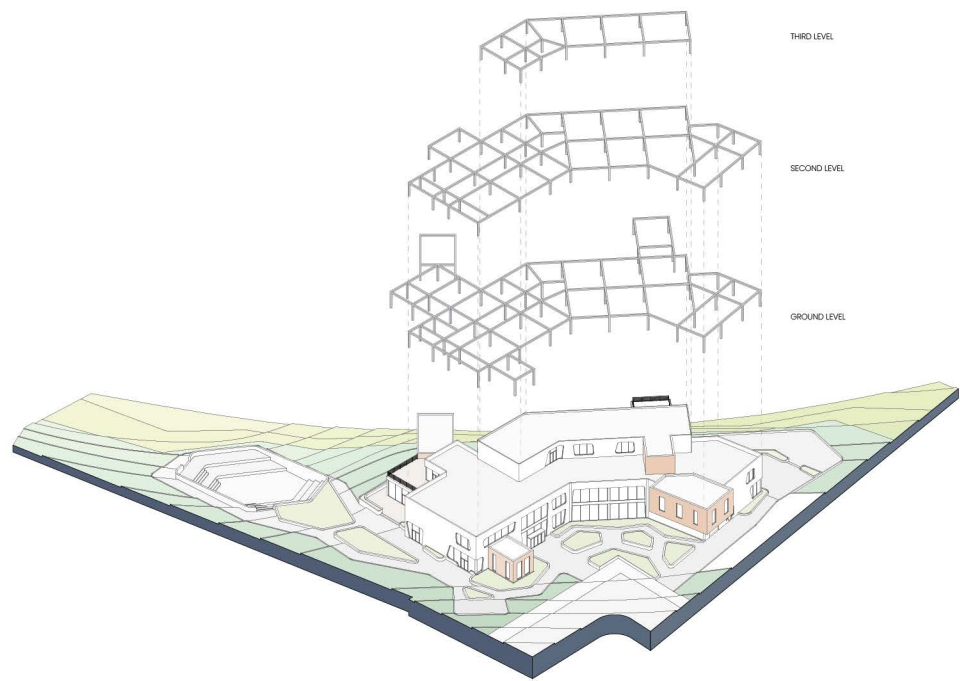
SECOND LEVEL PLAN



SOUTHEAST ELEVATION



LONGITUDINAL SECTION

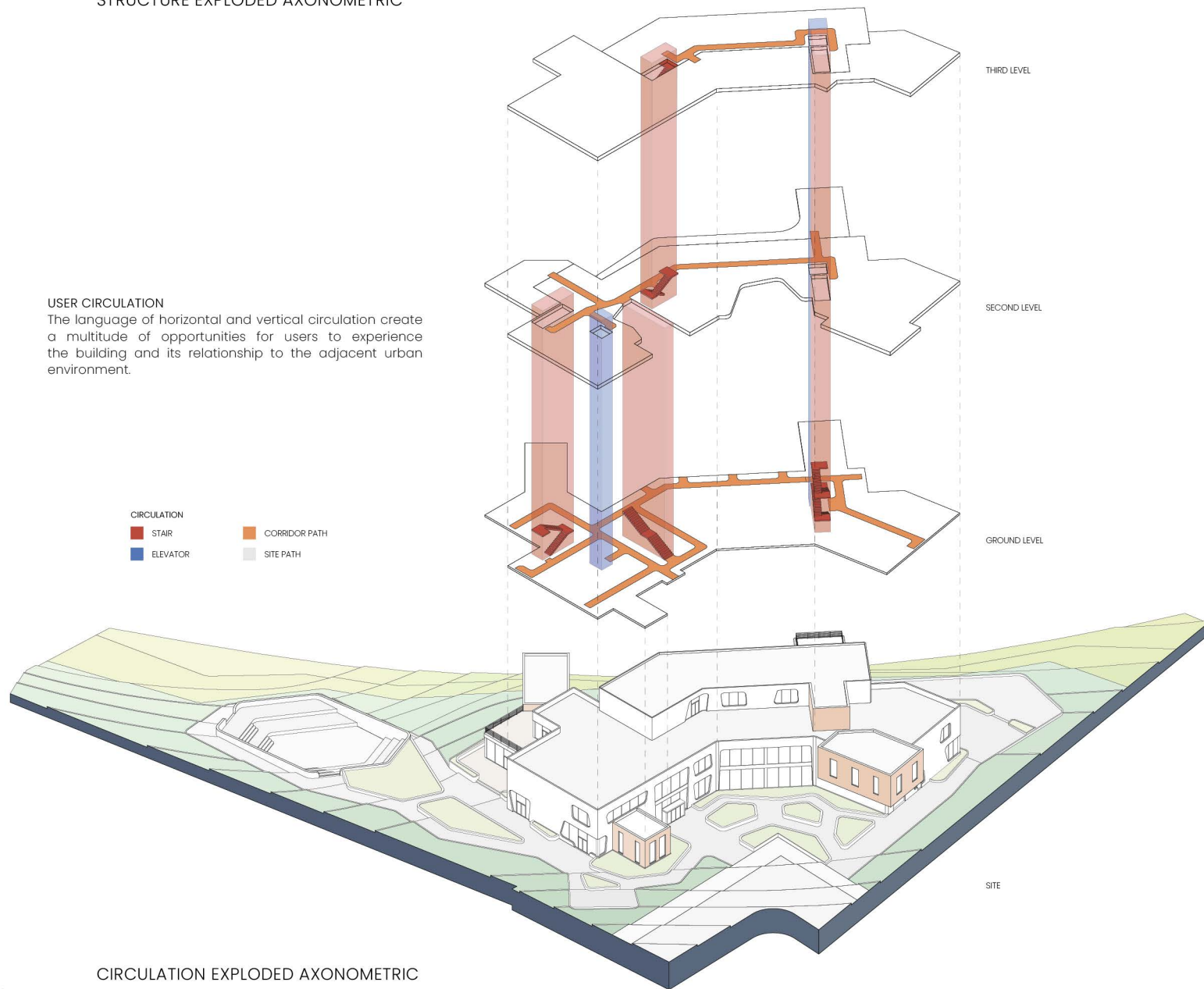


STRUCTURE
Using form as the guide for the structural layout, a system of columns and beams are laid out in a typical grid to optimize open floor space and structural integrity.

STRUCTURE EXPLODED AXONOMETRIC



PUBLIC PLAZA AND GARDENS



USER CIRCULATION
The language of horizontal and vertical circulation create a multitude of opportunities for users to experience the building and its relationship to the adjacent urban environment.

CIRCULATION
■ STAIR
■ ELEVATOR
■ CORRIDOR PATH
■ SITE PATH

SITE

CIRCULATION EXPLODED AXONOMETRIC



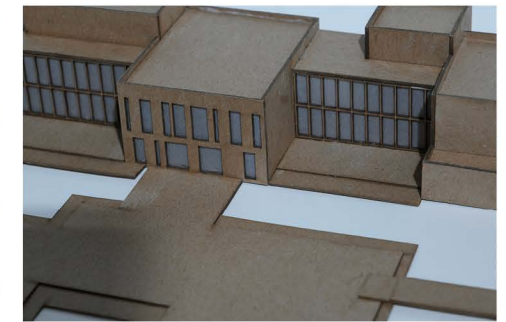
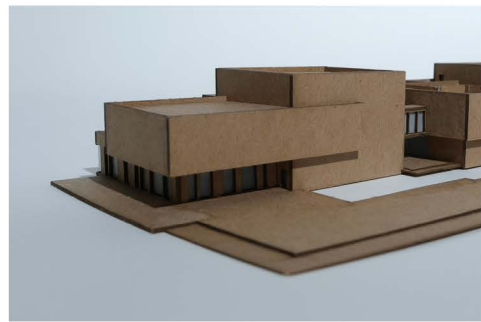
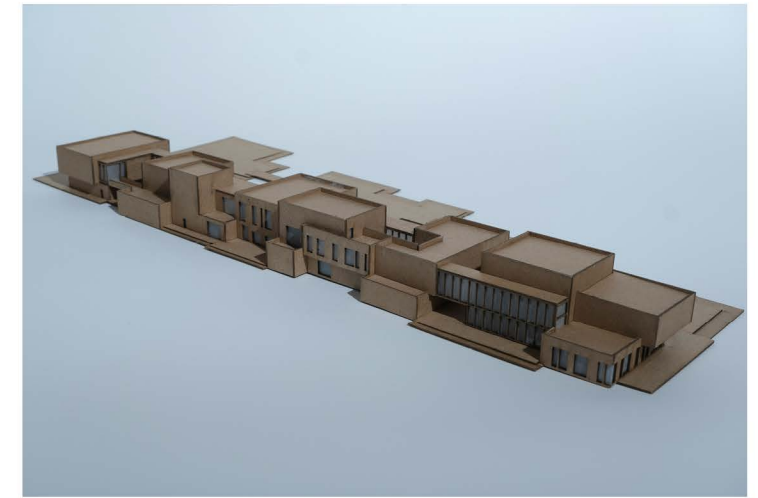
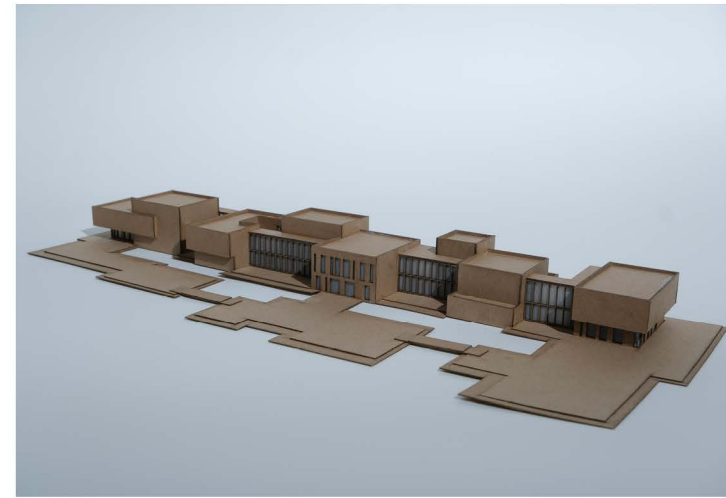
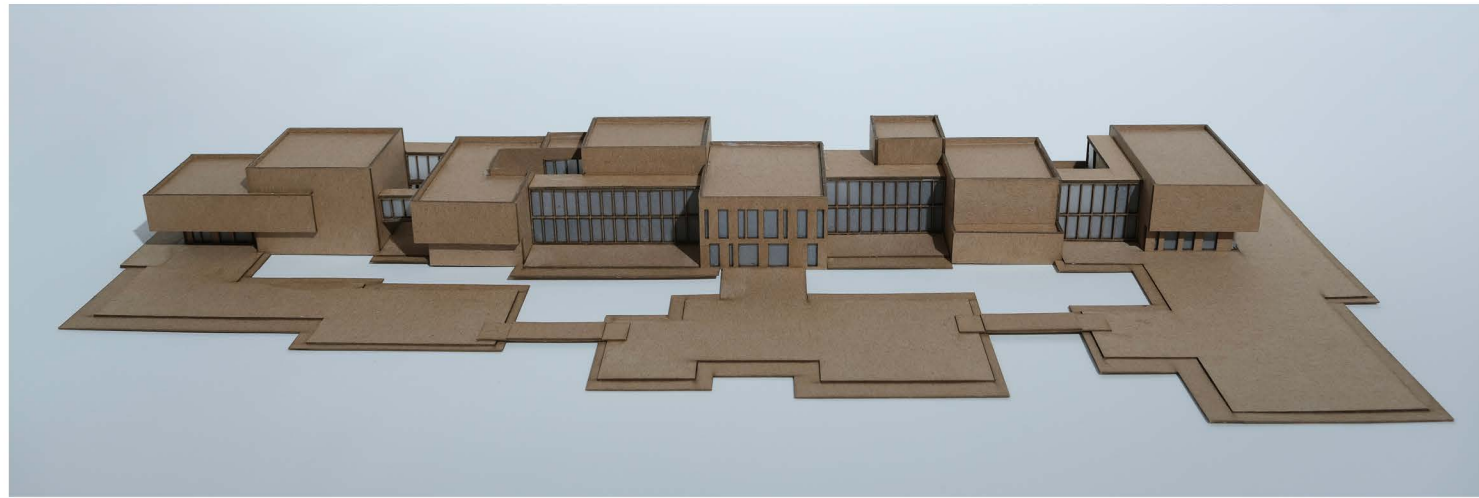
MAIN ENTRANCE FOYER



GALLERY AND PERFORMANCE SPACE

04 PHYSICAL MODELS

01 CANALETTO MUSEUM



02 DYNAMIC COMMUNITY



03 URBAN ECOLOGY CENTER



THANK YOU