

Alexander Glass

PORTFOLIO.

selected works

2024

ABOUT ME



An architectural experience_

I'm Alexander Glass, an aspiring architect driven by a genuine passion for the craft. My dedication to the precision and artistry of architectural design is evident in every pursuit. With a commitment to continuous learning.

ALEXANDER GLASS

1 203 247 6494

alexanderglass1999@gmail.com

@alexanderglassdesigns

EDUCATION

2024

University of Miami School of Architecture
Masters in Architecture
Class of 2024

- Cumulative GPA: 3.65
- Honors: Academic Merit Scholarship

2022

Temple University – Tyler School of Art and Architecture
Bachelor of Science in Architecture
Class of 2022

- Cumulative GPA: 3.7
- Honors: Deans Academic Scholarship

2018

EXPERIENCE

2024

Drew Architecture — **White Plains, New York**
Architectural Designer — August 2022 - Present

• Developed 3D models and renderings to communicate design intent effectively and facilitate client presentations.

• Conducted site visits to assess existing conditions, identify constraints, and to develop design decisions for renovations or new construction.

• Produced detailed architectural drawings, including floor plans, elevations, and sections utilizing Revit, AutoCAD, and other design software's.

Alexander Glass Designs — **Ridgefield, CT**
Founder — August 2022 - Present

2021

• Collaborated closely with clients in person to produce preliminary design options that meet their design desires.

• Demonstrated clear use in navigating and interpreting local building codes and regulations by providing feasible design strategies.

• Utilized design software's to create conceptual drawings, renderings, and diagrams, effectively communicating design ideas and solutions.

Schimenti Construction Company — **New York City, NY**
Intern — May 2021 - August 2021

2020

•Contributed to a variety of retail projects by calling subcontractors to assemble bids for projects and subcontractor agreements.

•Supported a superintendent's daily responsibilities by responding to RFI's, coordinating meetings, and filling out onsite working permits.

•Collaborated with a multidisciplinary team, including architects, engineers, and subcontractors to ensure alignment with the project's goals.

Doyle - Coffin Architecture — **Ridgefield, CT**
Architectural Intern — February 2018 - May 2018

•Orchestrated client meeting schedules to ensure efficient communication and collaboration.

•Utilized laser cutting and 3D printing technology to fabricate architectural models, enhancing visual communication of design concepts.

•Participated in onsite walkthrough inspections, by assisting in the measurements of buildings and documentation of pre-existing conditions.

2018

LEADERSHIP & VOLUNTEERING

2024

Student Teacher Assistant
Teacher Assistant
Philadelphia, PA
January 2022 - May 2022

Greek Organization
Social Chair
2022 **Philadelphia, PA**
January 2020 - January 2021

H.O.M.E Trip
Volunteer
Orland, ME
Spring 2020 - Fall 2020

2018

INVOLVEMENT

2024 **Student Teacher - University of Miami**
Studio Class

Temple Community Gardens
Group Leader

Torch Club Youth Leader of the Year - Boys and Girls Club
2018 *Group Leader*

ACHIEVEMENTS

2024

AIA Member of the Month - Temple University
Member

Honor List - Temple University
Student

Ridgefield High School Varsity Soccer
Captain

2018

SKILLS

PHOTOSHOP	REVIT	CREATIVE THINKER
ILLUSTRATOR	SKETECHUP	ORGANIZED
INDESIGN	RHINOCEROS	SOCIABLE
BLUE-BEAM	LUMION	LEADER
AUTO-CAD	V-RAY	AMBITIOUS

CONTENT

To the reader_

Welcome to my architectural portfolio, where innovation and creativity converge to shape spaces that transcend functionality. My work is a testament to a passion for design excellence and a commitment to crafting environments that inspire, captivate, and endure.

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01

NORTH PARK TOWERS

Mixed-Use Tower Development

North Park Towers is a premier mixed-use tower development strategically located on the enchanting coast of North Miami Beach. This visionary project seamlessly integrates luxury residences, upscale commercial spaces, and unparalleled ocean views. With meticulously designed residential units offering panoramic vistas, high-end retail experiences, cutting-edge office spaces, and recreational amenities, North Park Towers is poised to redefine coastal living.

What sets North Park Towers apart is its commitment to resilience and sustainability. The development incorporates innovative design features and technologies aimed at withstanding environmental factors and reducing its ecological footprint. From energy-efficient systems to the use of eco-friendly materials, North Park Towers not only offers a luxurious lifestyle but also contributes to the well-being of the environment.

Location
Miami, FL

Duration
16 weeks

Year
Spring 2023

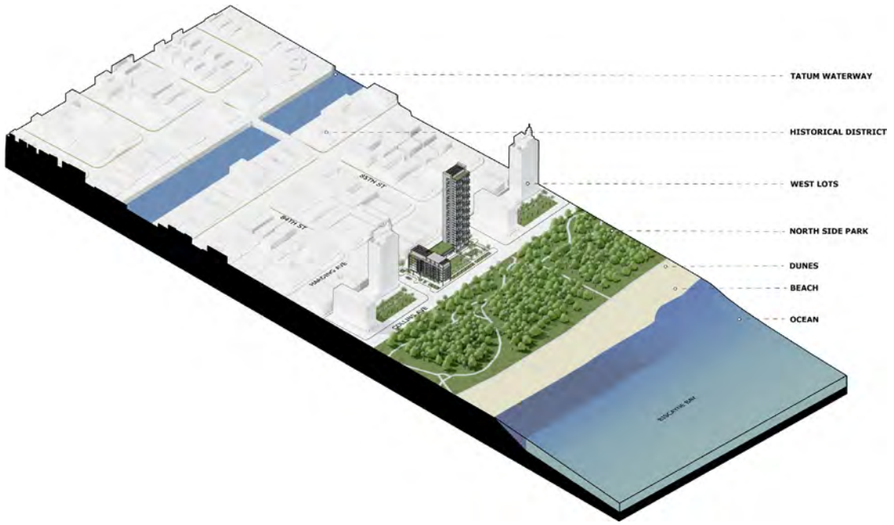
Type
Mixed-Use

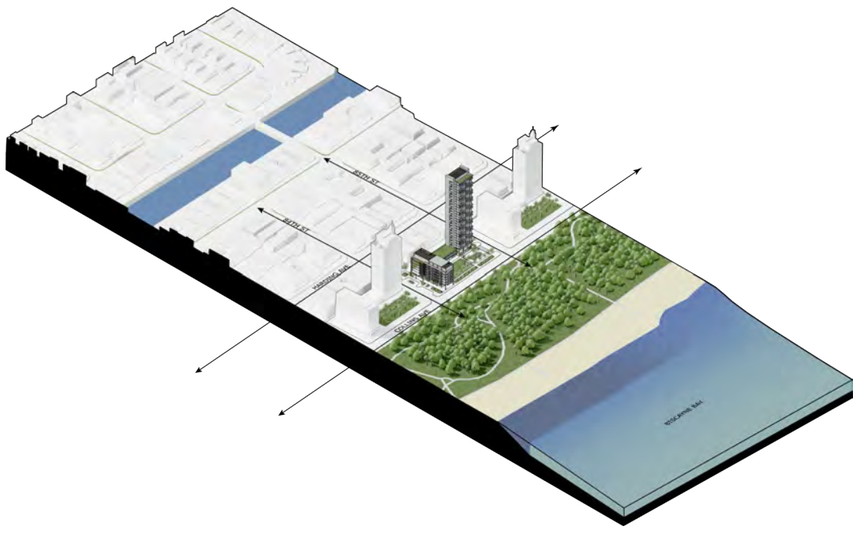
Professor
Jose Gelabert-Navia



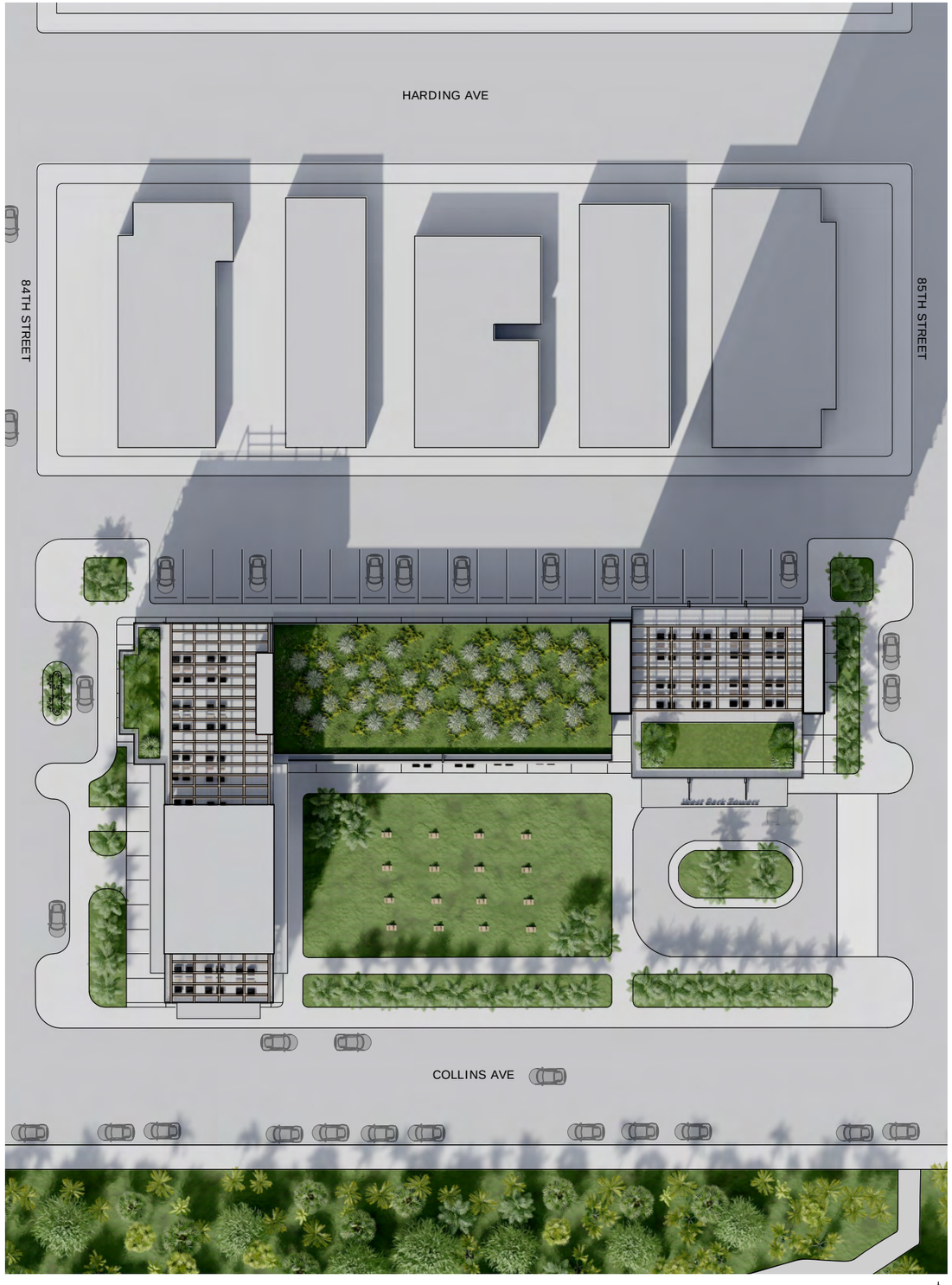
"As an architect you design for the present, with an awareness of the past, for a future which is essentially unknown."

- Norman Foster

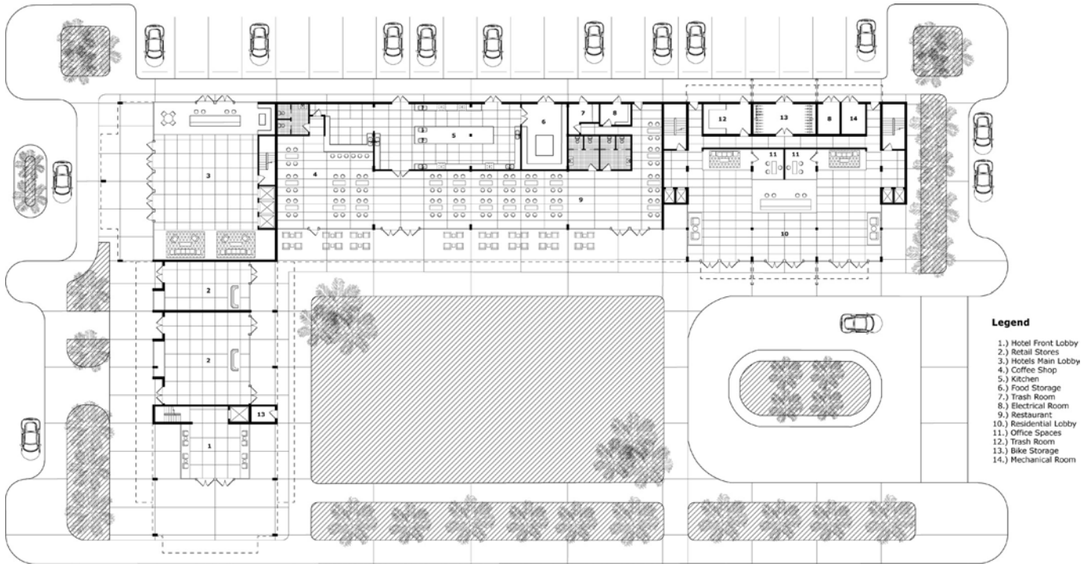




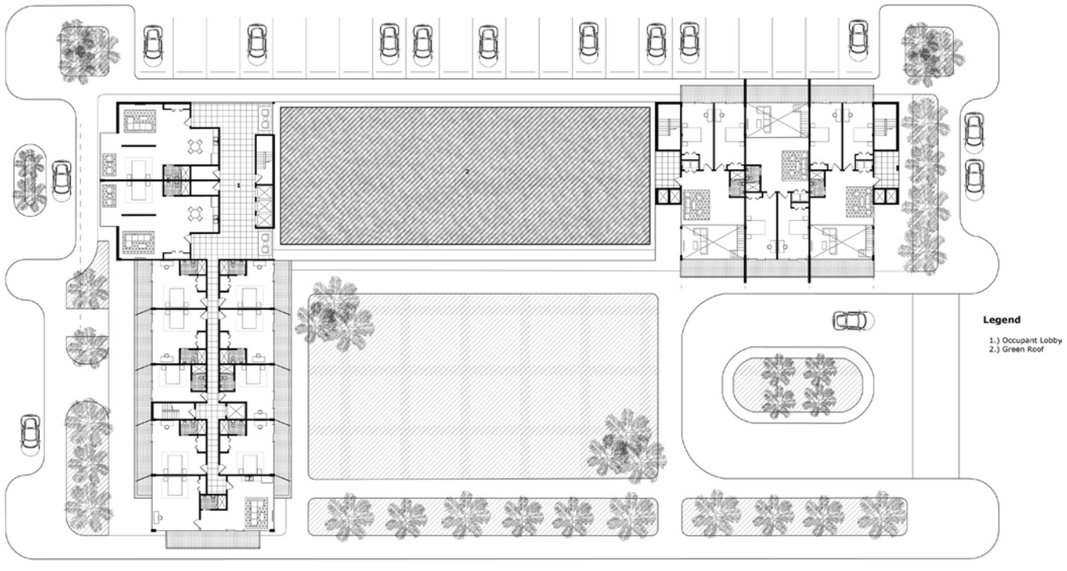
North Miami Site Axons



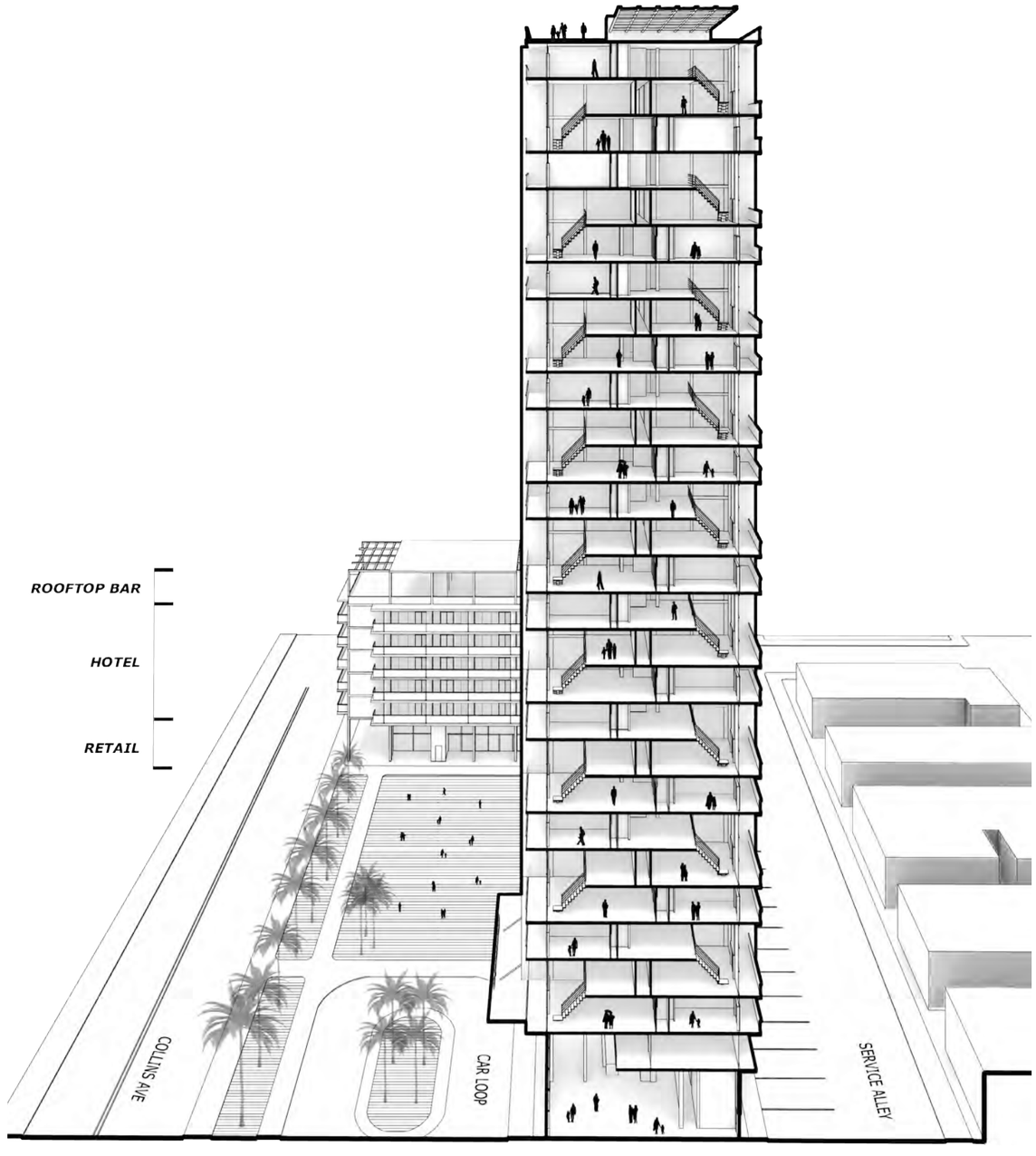
Roofplan

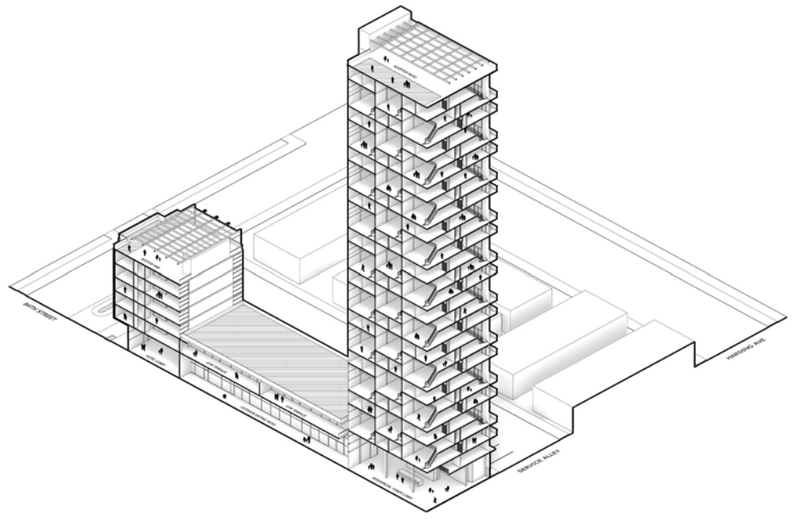


GROUND FLOOR PLAN



THIRD FLOOR PLAN





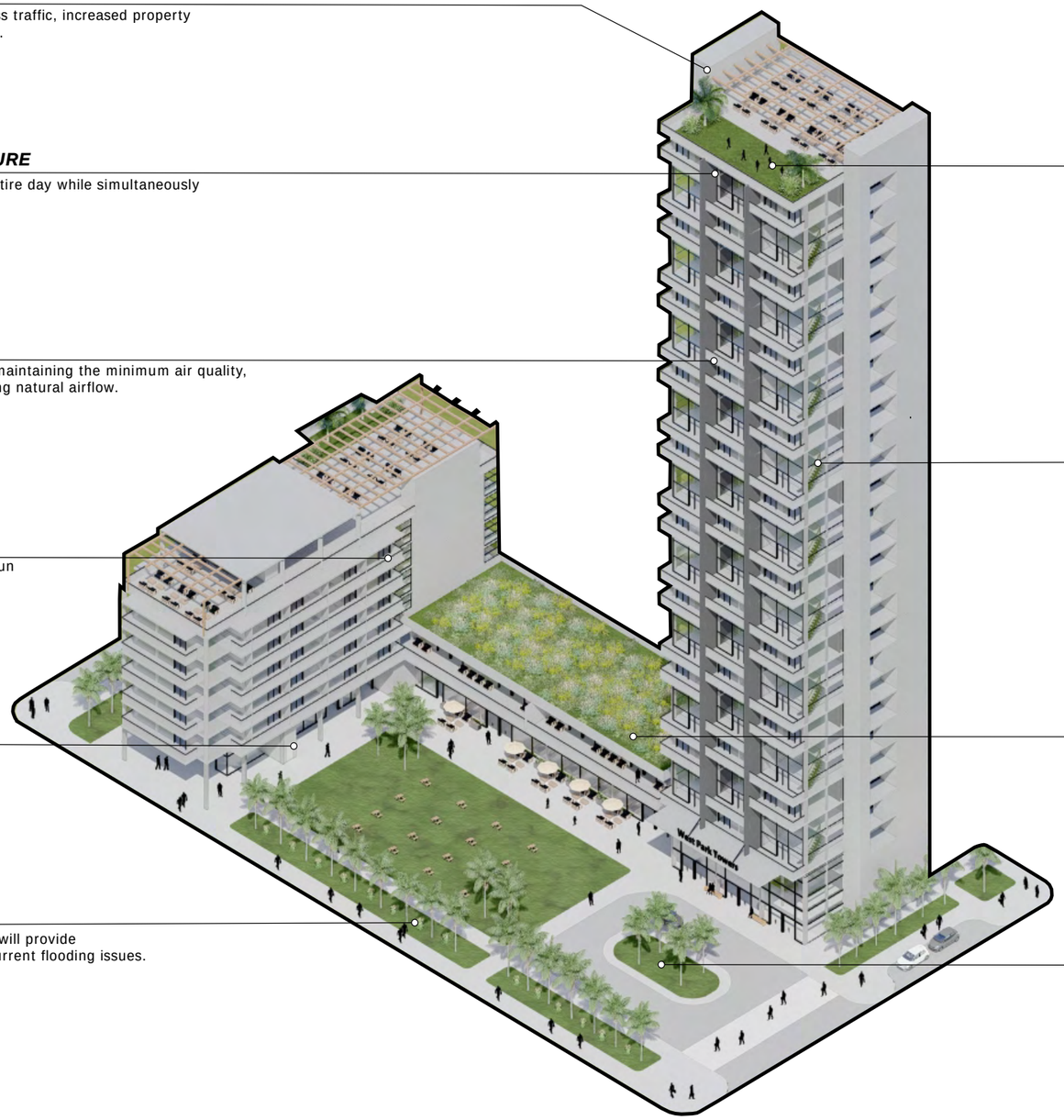




HIGH DENSITY DEVELOPMENT
Advantages of high density buildings include less traffic, increased property value, and attracting businesses and employers.

EASTERN SUN AND WIND EXPOSURE
Captures better natural light throughout the entire day while simultaneously taking advantage of air flow opportunities.

CROSS VENTILATION
Improving the thermal comfort of a house by maintaining the minimum air quality, reducing heat and other pollutants, and allowing natural airflow.



SUN SHADING LOUVERS
Integrated sun shading louvers that provided sun protections while maintaining ocean views.

BIKE STORAGE
Bike Shelters promote a healthy lifestyle that is good for the environment.

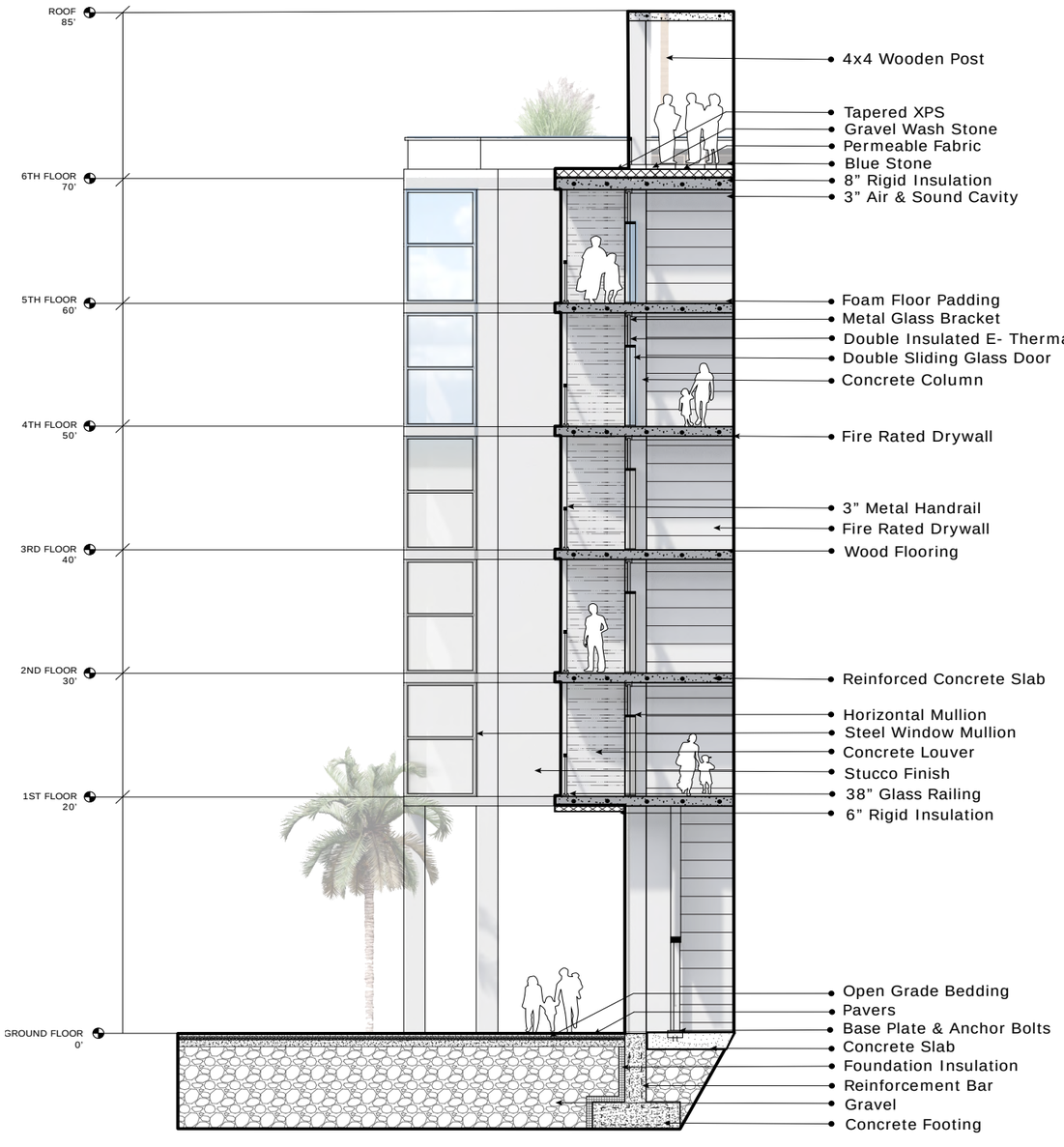
NATIVE PALM TREES
Planting South Florida's Native Royal Palm tree will provide shad for green spaces on the site and reduce current flooding issues.

GREEN ROOF
Used to collect rainfall for gray water purposes and reduce flooding.

LOW E THERMAL GLASS
Used to block sun rays and have better control of building temperatures.

GREEN ROOF
Used to collect rainfall for gray water purposes and reduce flooding.

RUNOFF WATER COLLECTOR
Use of green zones and to collect runoff water.



Detail Section



Section Perspective



02

SILICA CITY

Guyana's Innovation District

Silica City, a pioneering innovation district in Guyana, redefines urban development with its commitment to resilience, sustainability, and adaptability. Meticulously designed to withstand environmental challenges, Silica City employs resilient construction materials and cutting-edge infrastructure, ensuring a secure and stable living environment. Embracing sustainability, the district integrates renewable energy sources, water conservation measures, and green spaces, exemplifying a harmonious coexistence of progress and ecological responsibility.

What sets Silica City apart is its dynamic expansibility, featuring a modular infrastructure that seamlessly accommodates evolving needs, emerging technologies, and a growing population. As an innovation hub, Silica City houses state-of-the-art research facilities, co-working spaces, and educational institutions, positioning Guyana as a regional leader in innovation.

"As an architect you design for the present, with an awareness of the past, for a future which is essentially unknown."

- Norman Foster

Location
Guyana

Duration
16 weeks

Year
Fall 2023

Type
Innovation District

Professor
Jose Gelabert-Navia



SITE CONCEPTS

EXPANDABLE

An expandable grid modeled after the Venice Hospital features a dynamic layout that effortlessly adapts to the ever-evolving needs of modern healthcare facilities. With its versatile structure and customizable configurations, this grid optimizes spatial efficiency, enabling hospitals to efficiently accommodate fluctuating patient volumes and diverse medical services without compromising on aesthetics or functionality.

CONNECTIVE

This visionary concept aims to bridge geographical, economic, and social gaps, facilitating the exchange of knowledge, resources, and opportunities on a global scale. By integrating advanced technologies, robust communication systems, and sustainable transportation solutions, connective development paves the way for enhanced collaboration, innovation, and collective progress.

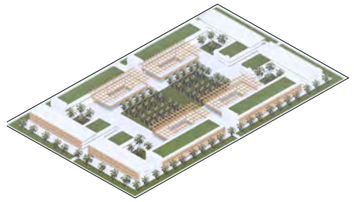
REGENERATIVE

By integrating sustainable practices into various facets of society, from urban planning to industrial production, we can ensure the preservation of natural resources and the well-being of present and future generations. Through the promotion of renewable energy, responsible consumption, and inclusive policies, sustainable development fosters resilience and empowers communities to thrive in a rapidly changing world.

INNOVATIVE

Technology aids in incorporating sustainable design practices by providing tools for energy analysis, material optimization, and environmental impact assessments. This integration promotes eco-friendly and energy-efficient designs that contribute to a greener and more sustainable future.





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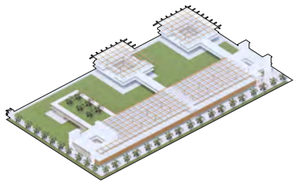
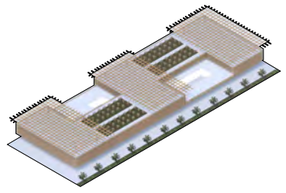
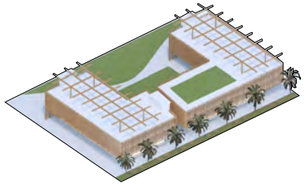


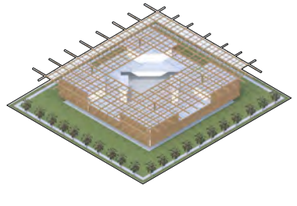
2. LEARNING CENTER AND GALLERY



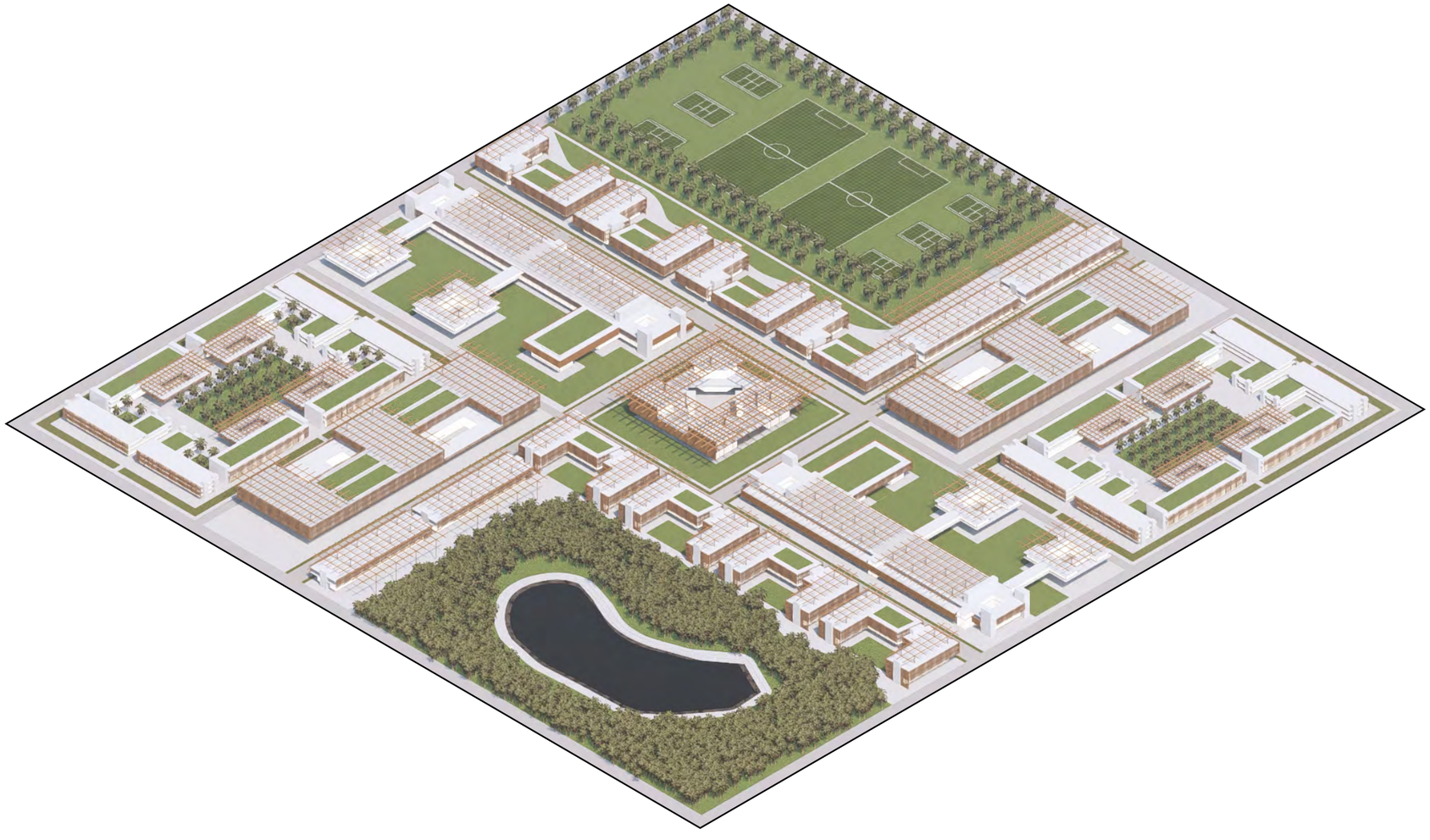
3. OFFICES AND HEALTH

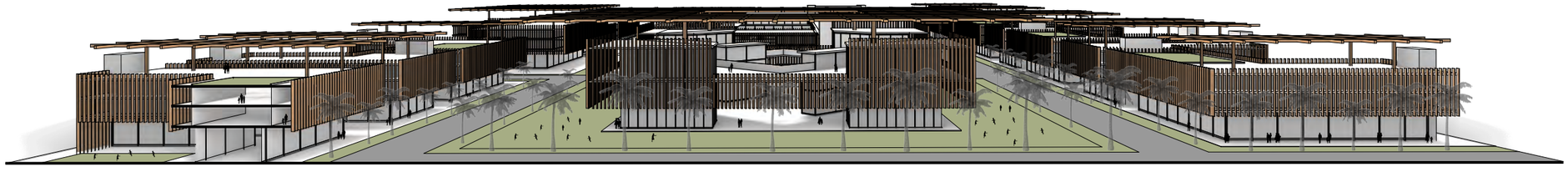


4. RETAIL & APARTMENTS

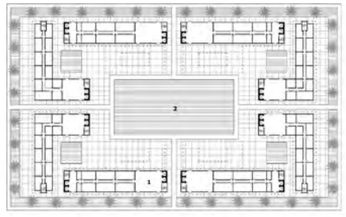


5. COMMUNITY CENTER



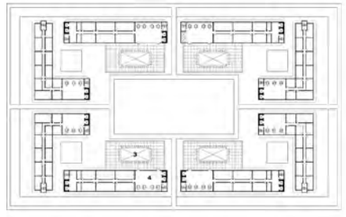


RETAIL & FLEX STUDIOS | ***MAIN ARTERY*** | ***COMMUNITY CENTER*** | ***MAIN ARTERY*** | ***RETAIL & FLEX STUDIOS***

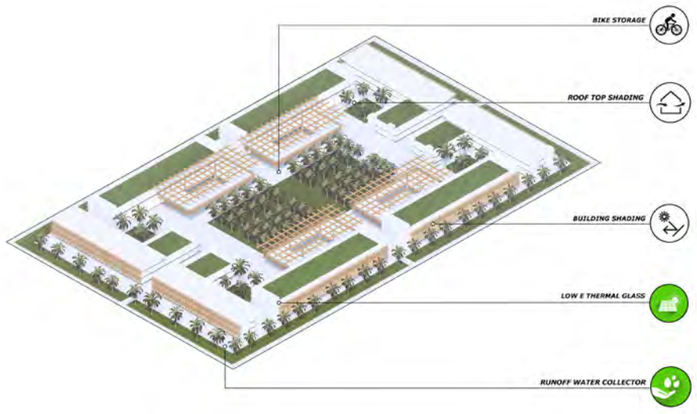


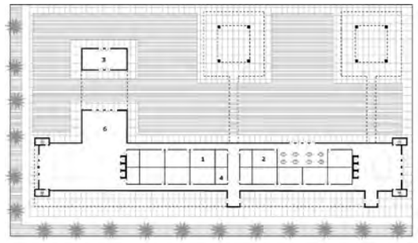
1 GROUND FLOOR PLAN

LEGEND
1. LOBBY
2. COURTYARD
3. BALCONY
4. GROUP WORK STATION



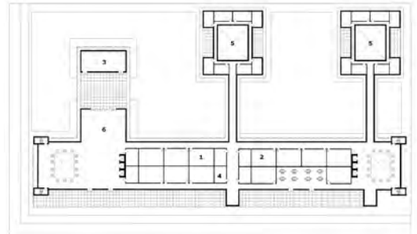
2 TYPICAL FLOOR PLAN





1 GROUND FLOOR PLAN

LEGEND
1. CLASSROOMS
2. GROUP LABS
3. GALLERY
4. BATHROOMS
5. INDIVIDUAL LABS
6. LOUNGE



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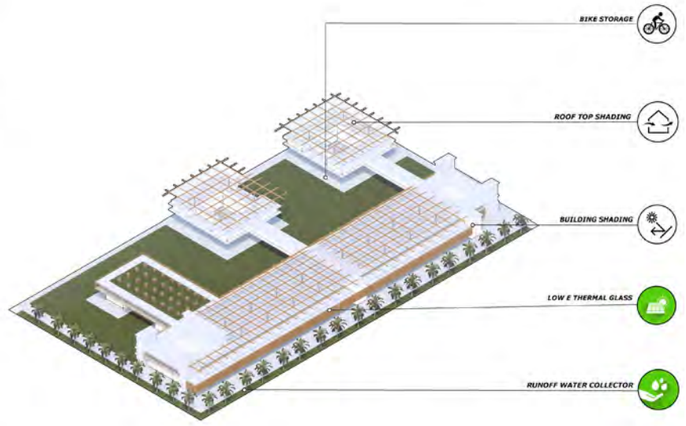
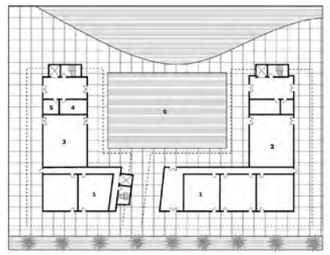
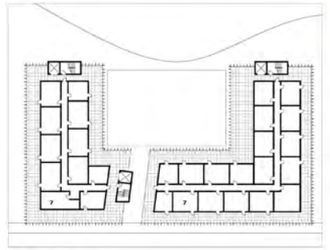




1 GROUND FLOOR PLAN

LEGEND
1. RETAIL STORES
2. RESTAURANT/CAFE
3. FOOD MARKET
4. BATHROOMS
5. STORAGE
6. COURTYARD
7. FLEX STUDIO APT. & OFFICES



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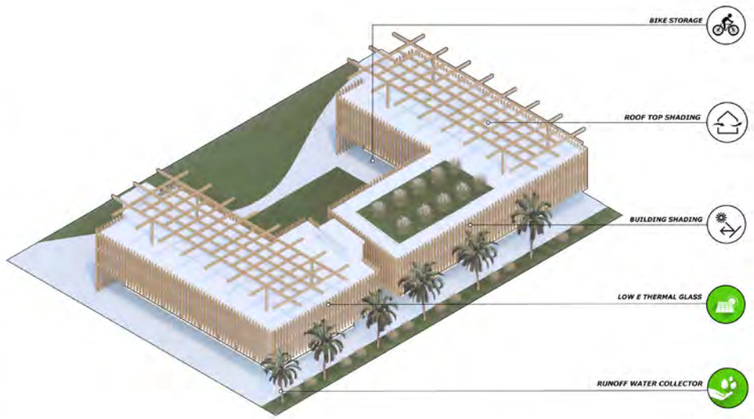
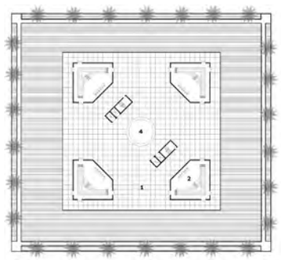
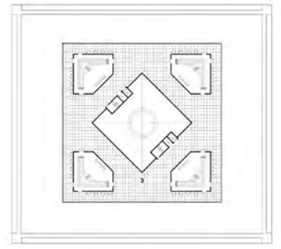




1 GROUND FLOOR PLAN

LEGEND
1. COURTYARD
2. FLEX PERFORMING AUDITORIUMS
3. OUTDOOR BALCONY
4. WATER FOUNTAIN



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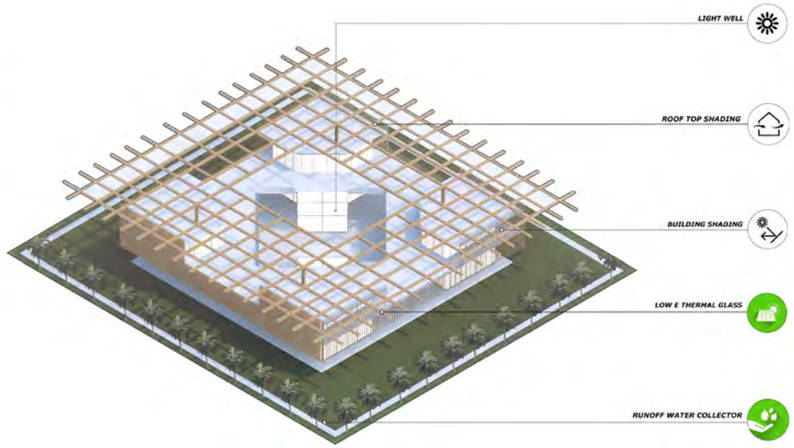




03

RIVERSIDE HABITAT

Eco-friendly Community

Riverside Habitat is a sustainable community located in North Charleston, meticulously crafted to harmonize with its stunning natural surroundings while adapting to the challenges of rising sea levels. This innovative development seamlessly integrates retail spaces, hotels, grocery shops, offices, and residential units and a marshland system that serves a dual purpose, acting as both a protective buffer against environmental challenges and a tranquil focal point for the community.

Riverside Habitat embraces sustainable living, offering residents essential amenities within a short walk, coupled with breathtaking river side views.

Location
Charleston, SC

Duration
3 weeks

Year
Spring 2023

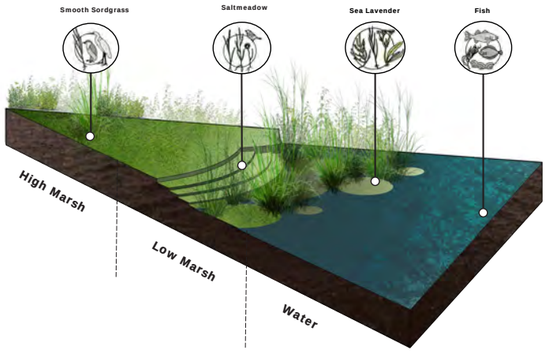
Type
Masterplan

Professor
Joanna Lombard and
Veruska Vasconez



"As an architect you design for the present, with an awareness of the past, for a future which is essentially unknown."

- Norman Foster



SITE ANALYSIS DIAGRAMS



GREEN SPACE MAPPING



TRANSIT MAPPING



FLOOD MAPPING

DESIGN CONCEPT DIAGRAMS



GREEN SPACE SPATIAL CONFIGURATION



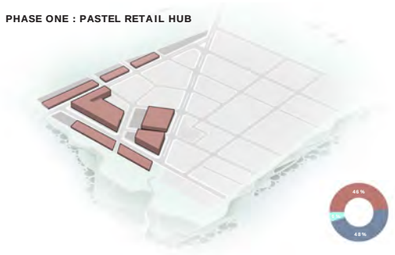
TRANSIT SITE MAPPING



WATER DISPLACEMENT AND ABSORTION



PHASE ONE : PASTEL RETAIL HUB



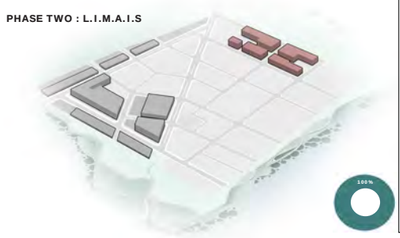
PHASE 1 - USES

Use	Amount
Land Costs	$20,820,000
Hard Costs	$61,933,912
Soft Costs	$28,260,245
Origination Fee	$289,401
Interest Reserve	$4,457,000

PHASE 1 - SOURCES

Use	Amount
Equity	$9,793,343
LIHTC Equity	$3,096,866
NMTC Equity	$5,788,028
Opportunity Zone Funding	$39,173,372
Construction Loan	$57,880,279

PHASE TWO : L.I.M.A.I.S



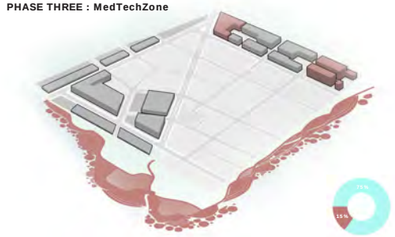
PHASE 2 - USES

Use	Amount
Land Costs	$1,500,000
Hard Costs	$27,974,216
Soft Costs	$3,829,963
Origination Fee	$105,080
Interest Reserve	$1,618,000

PHASE 2 - SOURCES

Use	Amount
Equity	$2,802,200
Opportunity Zone Funding	$11,208,800
Construction Loan	$21,016,000

PHASE THREE : MedTechZone



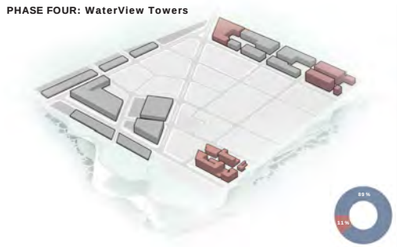
PHASE 3 - USES

Use	Amount
Land Costs	$0
Hard Costs	$126,928,482
Soft Costs	$44,123,414
Origination Fee	$536,330
Interest Reserve	$8,260,000

PHASE 3 - SOURCES

Use	Amount
Equity	$14,302,200
Opportunity Zone Funding	$57,208,800
Construction Loan	$107,266,000

PHASE FOUR: WaterView Towers



PHASE 4 - USES

Use	Amount
Land Costs	$9,000,000
Hard Costs	$59,361,574
Soft Costs	$11,595,894
Origination Fee	$244,170
Interest Reserve	$3,951,825

PHASE 4 - SOURCES

Use	Amount
Equity	$5,115,600
LIHTC Equity	$5,959,163
NMTC Equity	$4,207,673
Opportunity Zone Funding	$20,462,400
Construction Loan	$48,834,000

PHASE FIVE: Full Build Out



RETAIL MIXED USE
RESIDENTIAL INDUSTRIAL OFFICE

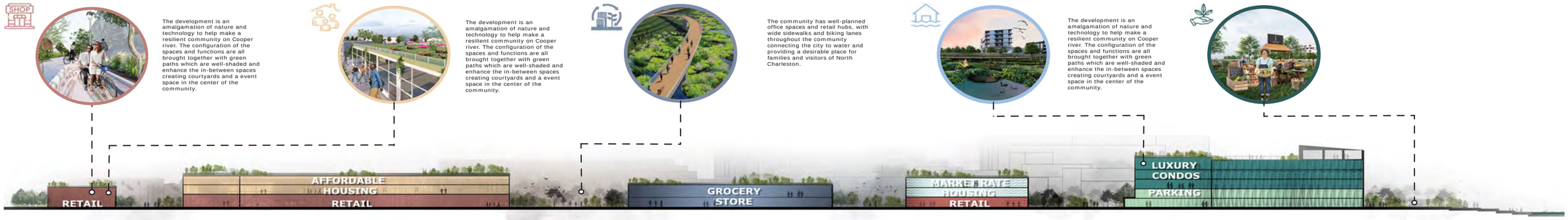
Total Programs

Program	Square Ft
Retail	310,200
Office	518,250
Industrial/Light Manufacturing	173,500
Affordable Multi Family	88,299
Market Rate Multi Family	353,339
Marsh	338,364

Project Highlights

Levered IRR	20.67%
Profit in Millions	$106,286,900
Total Value	$526,027,369
Jobs Created	4,000




SHOP
The development is an amalgamation of nature and technology to help make a resilient community on Cooper river. The configuration of the spaces and functions are all brought together with green paths which are well-shaded and enhance the in-between spaces creating courtyards and a event space in the center of the community.
The development is an amalgamation of nature and technology to help make a resilient community on Cooper river. The configuration of the spaces and functions are all brought together with green paths which are well-shaded and enhance the in-between spaces creating courtyards and a event space in the center of the community.
The community has well-planned office spaces and retail hubs, with wide sidewalks and biking lanes throughout the community connecting the city to water and providing a desirable place for families and visitors of North Charleston.
The development is an amalgamation of nature and technology to help make a resilient community on Cooper river. The configuration of the spaces and functions are all brought together with green paths which are well-shaded and enhance the in-between spaces creating courtyards and a event space in the center of the community.
RETAIL
AFFORDABLE HOUSING
RETAIL
GROCERY STORE
MARKET RATE HOUSING
RETAIL
LUXURY CONDOS
PARKING


WELCOME


JULEP
HAMPDEN

04

ILLINOIS INSTITUTE OF TECHNOLOGY

Affordable Housing Development

The Illinois Institute of Technology Affordable Housing Development is a vibrant and inclusive project situated at the heart of the IIT's campus. Our modern living spaces, ranging from cozy studios to shared apartments, provide affordable and energy-efficient accommodations for students. Designed to foster connections, our development features communal areas, study spaces, and recreational amenities, creating a balanced and supportive environment

On-campus convenience and a dedicated school within the development, residents have easy access to academic resources and campus facilities. With a focus on affordability without sacrificing quality, the development ensures accessibility for a diverse student population to enjoy the advantages of on-campus living.

Location
Chicago, IL

Duration
16 weeks

Year
Fall 2022

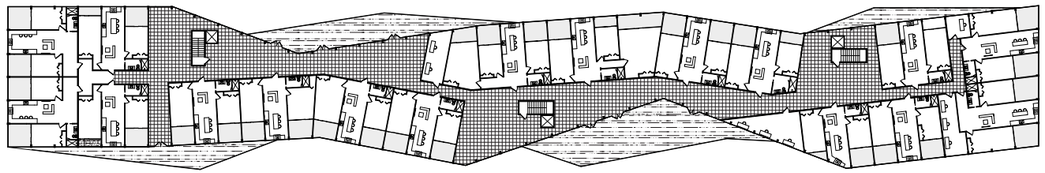
Type
Affordable Housing

Professor
Shawna Meyer

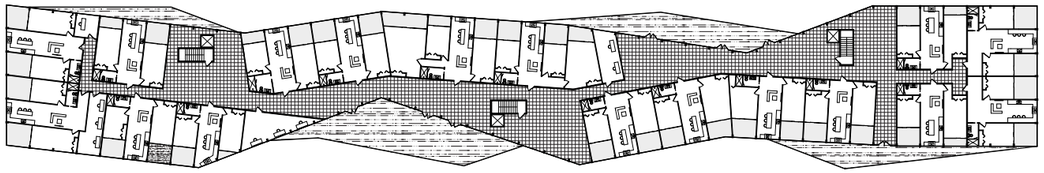
"As an architect you design for the present, with an awareness of the past, for a future which is essentially unknown."

- Norman Foster

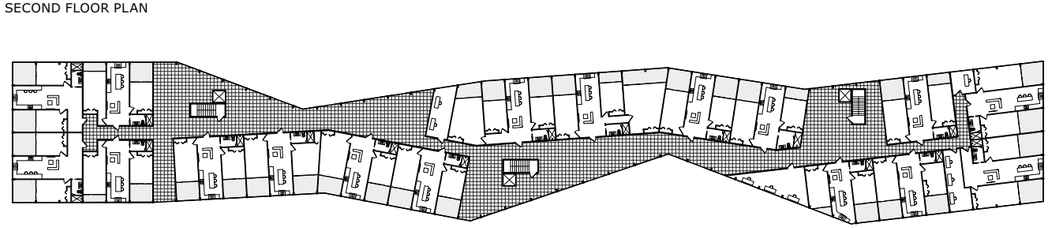




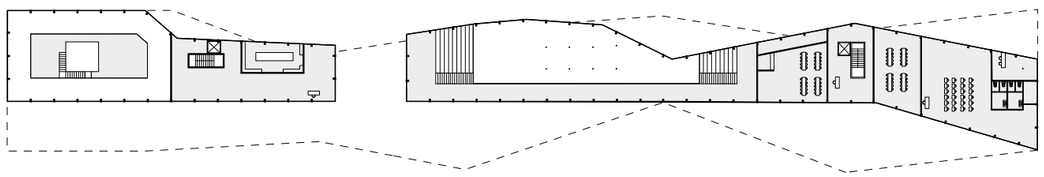
THIRD FLOOR PLAN



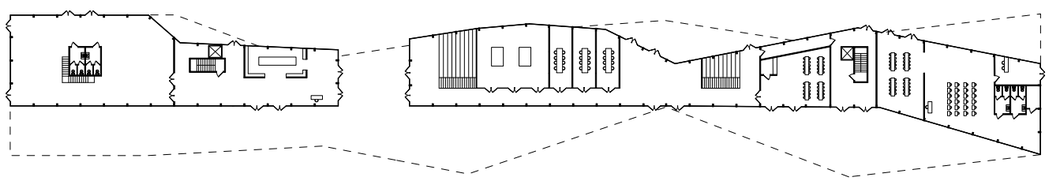
SECOND FLOOR PLAN



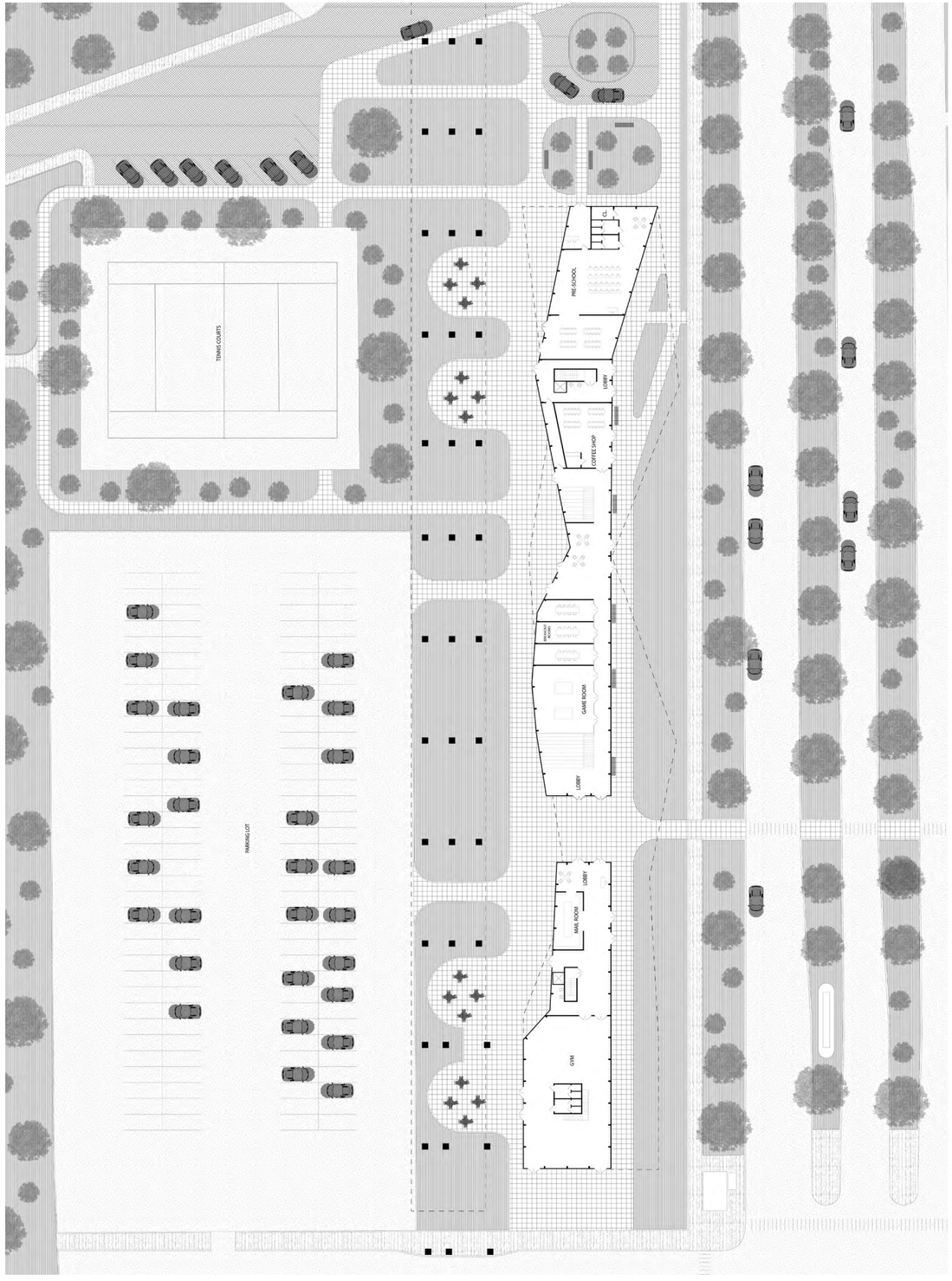
FIRST FLOOR PLAN



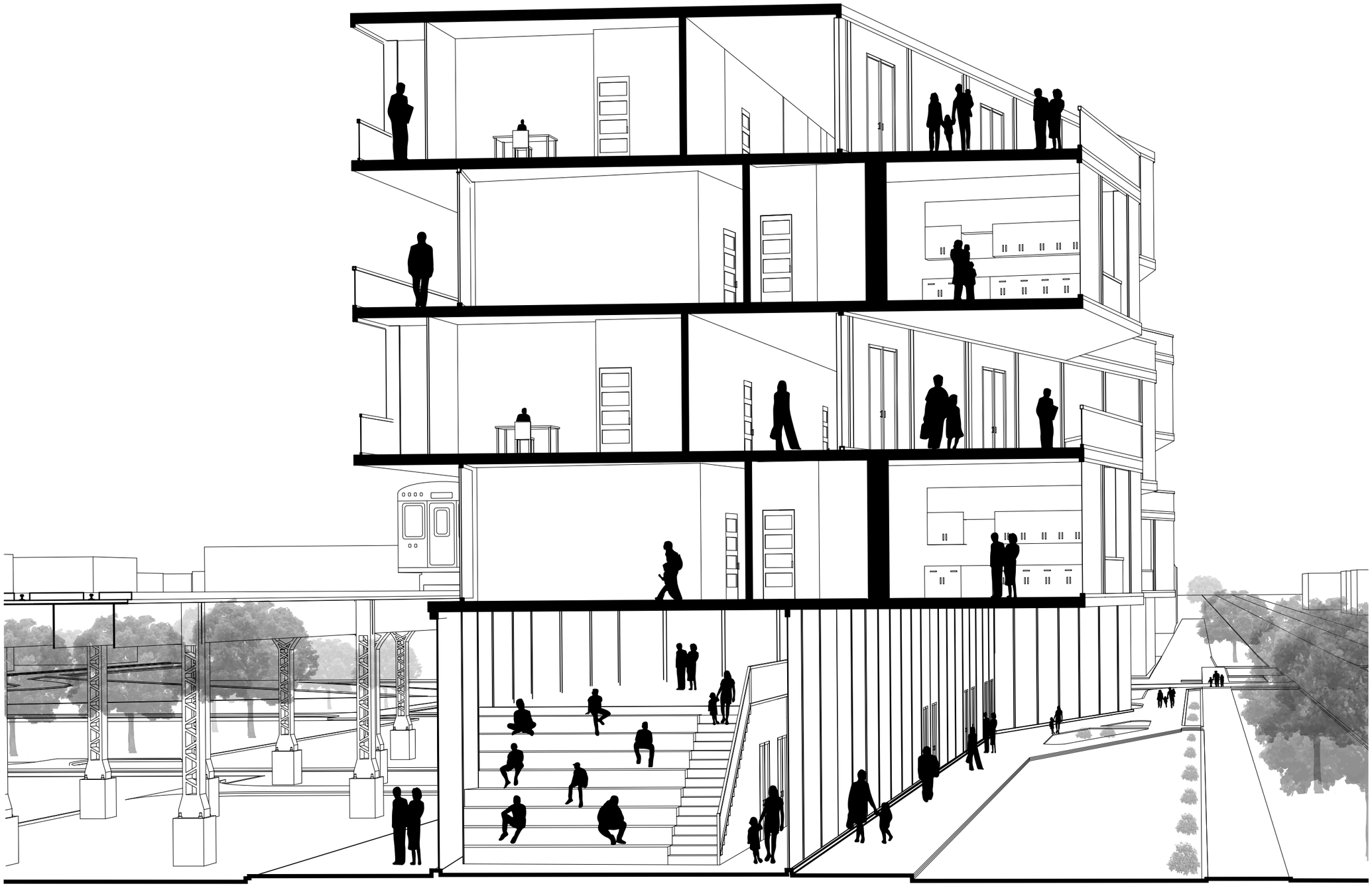
MEZZANINE FLOOR PLAN



GROUND FLOOR PLAN



Site Plan



Cross Section

