

Yue-Linda Lin

Cornell B.ARCH 2025

Research Assistant at Cornell Architecture / LEED Green Associate

yuelin02@outlook.com

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yuelin02@outlook.com

<https://yuelindalin.online/>

Cornell B.Arch Graduate / LEED Green Associate / Research Assistant at Cornell AAP

EDUCATION:

Cornell University Bachelor of Architecture 08/2020 - 05/2025

St. Francis DeSales High School 08/2017 - 05/2020

PROFESSIONAL EXPERIENCE

Housing Innovation Lab / Director: Katharina Kral

- Research Assistant
 - Research Topic A: Framework for Quantifying Polyvalence in Modern Housing** 08/2024 - Present New York, USA.
Developing a measurable framework for polyvalence in housing design, focusing on how residential spaces can support diverse uses without structural changes. My research integrates spatial analysis, regulatory constraints, and architectural theory to evaluate adaptability in contemporary apartment layouts.
 - Research Topic B: NYC Housing Retrofitting Design Guideline Examination** 05/2024 - 08/2024 New York, USA.
This research analyzes 312 New York housing prototypes, visualizing retrofitting requirements per HPD guidelines, retrofitting standards, and Local Law 97. Conducted data analysis on daylight, privacy, and views in relation to floor height, orientation, and surroundings.
 - Independent Study: Dimension and polyvalency exploration of the residential** 01/2024 - 05/2024 New York, USA.
This independent study based on Ernst Neufert's Architect's Data, exploring the relationship between humans and spatial dimensions. The research aims to identify minimal, healthy living dimensions for addressing global housing crises, focusing on affordability and flexibility through space optimization.

MUME Design

- Intern
 - Research Team:** 05/2023 - 08/2023 Guizhou, CHN.
Conducted research on vernacular construction methods, analyzing and adapting ancient Chinese timber structures for modern timber construction. Findings were presented in a firm exhibition.
 - Documentation Team:** 05/2023 - 08/2023 Guizhou, CHN.
Co-Led a documentation team to study and record traditional timber craftsmanship, investigating its historical and cultural significance through on-site research. The documentation is submitted for review.

The Pavilion - Built Project 05/2024 New York, USA.

- Designer:** Yue Lin, Emma Silverblatt(Studio Instructor)
- Collaborators:** Amber Su, Kewei Xu
- Construction Team:** the Home Depot Construction Team, Trumansburg Council, All the Volunteers.
The pavilion, designed in collaboration with Professor Emma Silverblatt, serves as a shaded, open-air retreat in Trumansburg's trailer park, offering natural ventilation, shade, and a welcoming space for relaxation and community connection.

LEADERSHIP & ACTIVITIES

Cornell Chinese Drama Society 01/2023 - 05/2023 New York, USA.

- Scenic Design Director
Participated in the role of Scenic and Stage Design Director for the show 'Rhino in Love' by Jinghui Meng, responsible for scenic design, poster creation, art direction, and props management

NOMAS 06/2022 - 05/2025 New York, USA.

- NOMAS 2022 Competition Team Member [2nd Prize]
A member of the 2022 Cornell NOMAS architecture competition: topic on designing a cultural center to preserve the history of North Nashville and a new bridge to serve as a landmark and monument for the community.

ADDITIONAL SKILLS

Languages: Mandarin (Native); Cantonese (Native); English (Full professional proficiency); Korean (Limited working proficiency); German (Elementary)

Skills: Rhino 7; Python; R; Grasshopper; Adobe Suite; Revit; V-Ray; Vectorworks; SketchUp; Excel.

Other Interests: Model Making; Scenic Design; Video Production; Tennis; Piano; Guitar; Car Racing.

Content

Design

// 01 LIVE! SHARE! HOUSE-IN HongKong /Thesis Project/ - Housing Retrofit

_ 2025 SPRING _Instructor: Katharina Maria Kral; Marta H. Wisniewska

// 02 Grow-as-you-go Home - Multifamily Affordable Housing Project

_ 2024 SPRING _Instructor: Emma Silverblatt _Collaborator: Zekai Lin

// 03 The Roof the Ground - Large-scale Design Project

_ 2024 FALL _Instructor: Christiana Moss; Margaret Kirk

// 04 Community Library

_ 2022 SPRING _Instructor: Marta H. Wisniewska

// 05 The Pavilion /Built Project/

_ 2024 SPRING _Instructor: Emma Silverblatt

Work Samples

// 01 Exhibition - Housing Innovation Lab

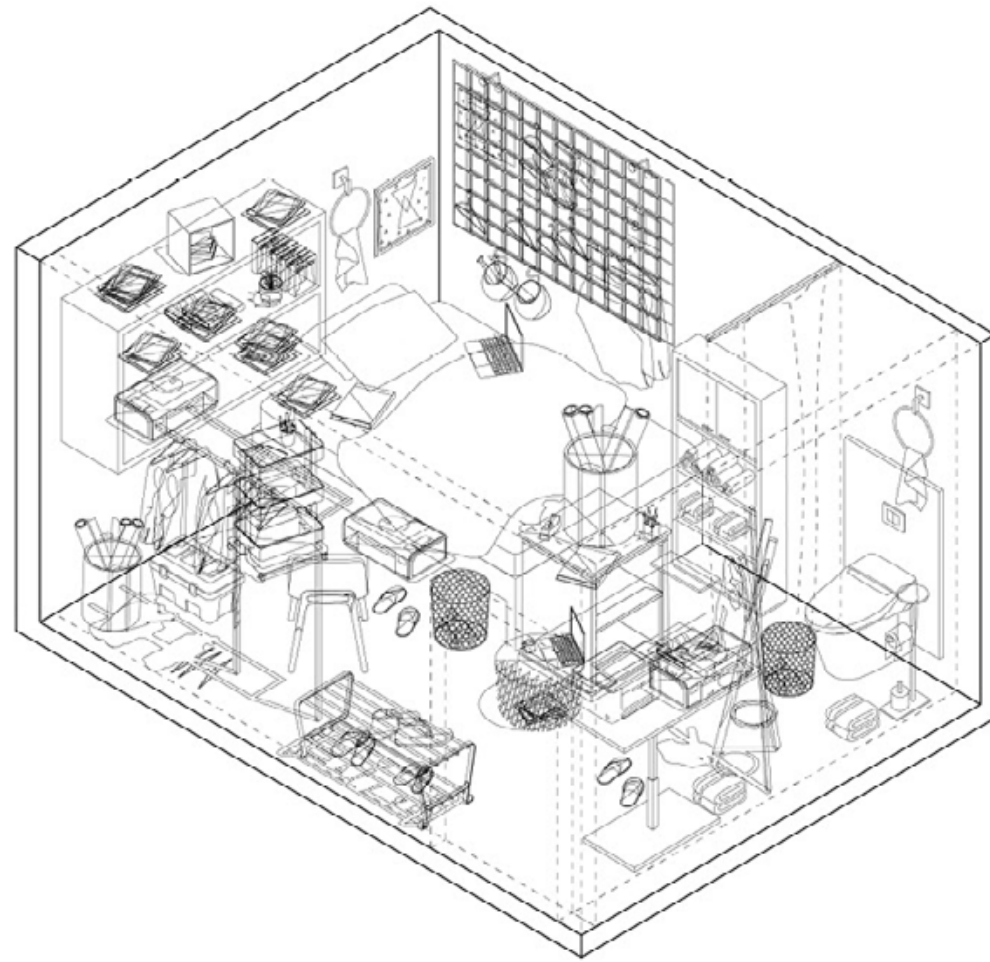
_ 2024.10 - 2024.11

// 02 Exhibition - MUME Design

_ 2023.11 - current

// 03 Video Documentation - MUME Design

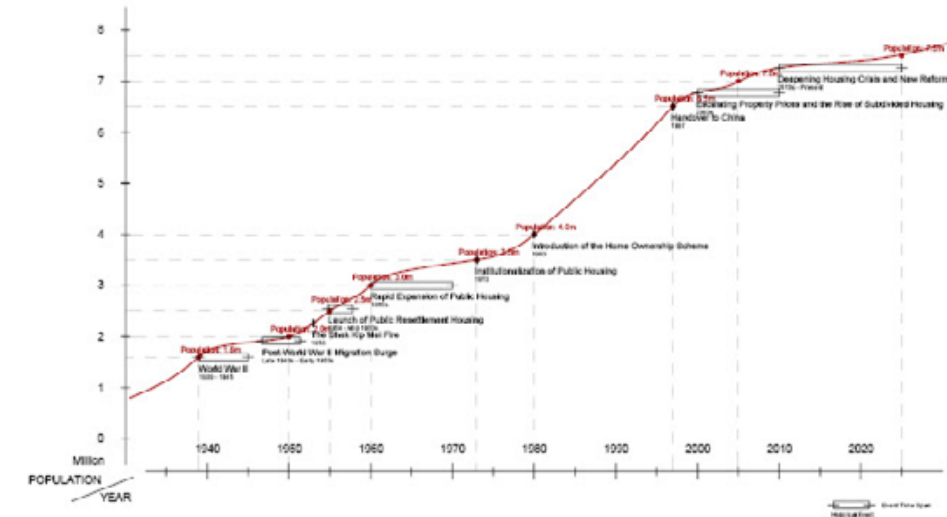
_ 2023.05 - 2023.08 (Video submitted for review)



Rsearches

Hong Kong's population growth has outpaced public housing supply, causing long wait times

Since 1980, Hong Kong's population grew by 3.6 million, pushing public housing wait times to seven years or more. Due to huge population, Public housing has become extremely difficult to access, with average waiting periods of seven to ten years.



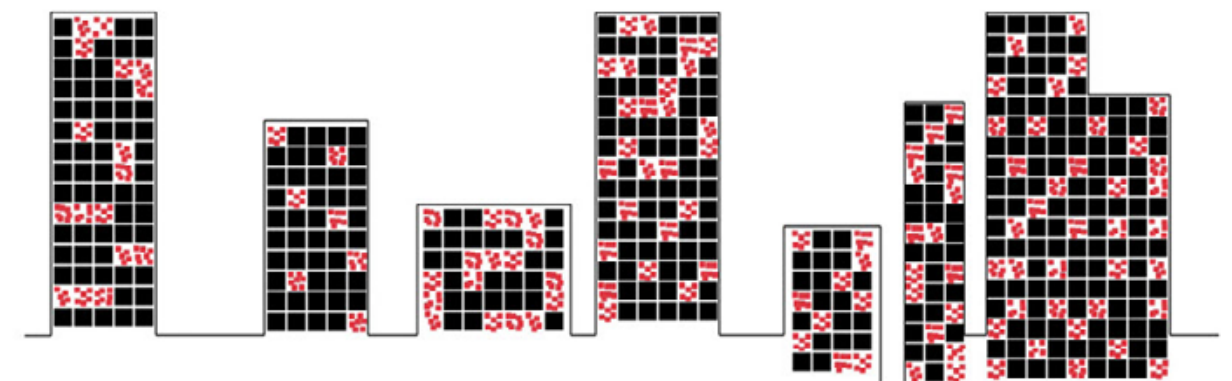
Public Housing Shortage has driven the rise of SDUs in private housing

SDUs (Subdivided Units) are informal units carved from single apartments, driven by housing shortages and long public wait times. Often overcrowded and unsafe, they raise major health and safety concerns.



Unseen expansion and countless SDUs units across the city

Without precise data or official documentation, it is nearly impossible to determine how many subdivided units exist within a single building. Today, they spread across the city like an uncontrollable force, growing rapidly and unpredictably, with no clear end in sight.



// 01. LIVE! SHARE! HOUSE-IN HongKong

_ 2025 SPRING

_ Thesis Advisors: Katharina Maria Kral; Marta H. Wisniewska

_ Location: Hong Kong SAR.

This thesis addresses **Hong Kong's subdivided unit (SDU) crisis** by proposing a **modular retrofit framework** grounded in **tenant needs, spatial equity, and scalable implementation**. In a city where over 7.5 million people live on just 24.3 percent of built up land, and public housing wait times exceed seven years, SDUs have become a **default housing form** for low income residents excluded from formal systems. These units, **private flats split into multiple micro dwellings**, often lack ventilation, daylight, sanitation, and privacy, reflecting a deep mismatch between policy tools and lived domestic conditions.

Recent government responses - prefab pilots, site clearance, and regulatory guidelines released in 2024 - **fail to engage the interior scale where overcrowding is most acute**. This thesis reframes **SDUs** not as code violations, but as **architectural sites for intervention**. It develops a **percentage based retrofit model**, calibrated to the density of SDUs in each building, with three tiers: light, moderate, and full building retrofits. These range from layout improvements and ventilation fixes to the integration of shared kitchens, study nooks, and rooftop gathering spaces.

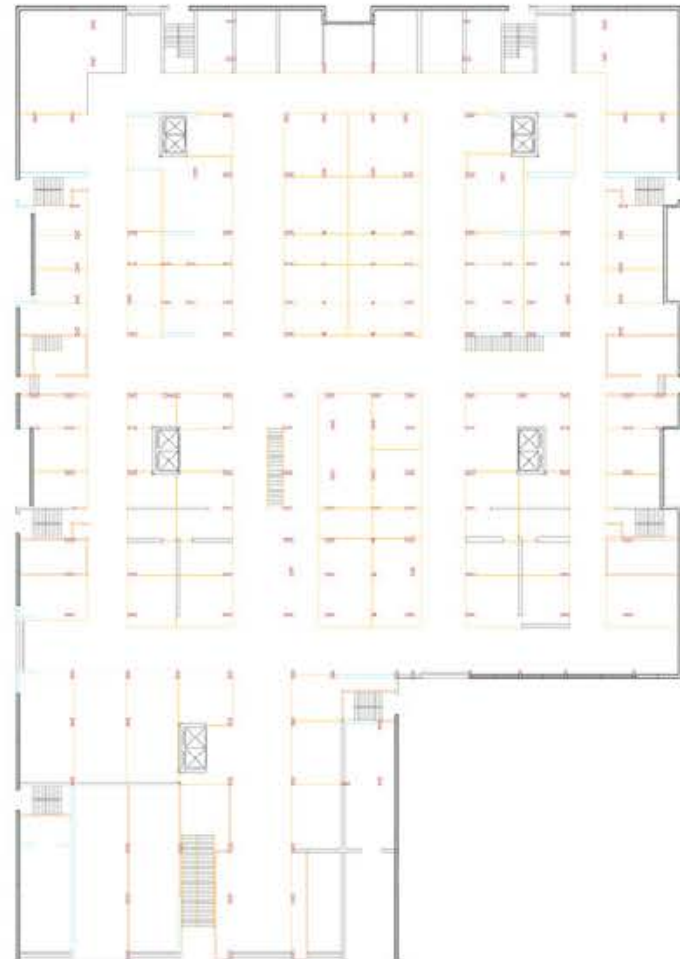
Using **Chungking Mansions** as a prototype, the proposal demonstrates how tenant centered design and **modular spatial systems** can convert overcrowded housing into resilient, **community driven domestic infrastructure**. By aligning policy, design, and lived experience, the project positions SDUs as an opportunity to **redefine urban housing from within**.

PILOT SITE - CHUNGKING MANSION



Total Floor: 15
 Apartment per Floor: 37
 Total Apartment: 480
 Average apartment size: 76 sqm
 Number of Permanent Residents: 3000
 Number of Mibilizing Residents: 1000
 Average Household Size: 8.3 people per apt
 Average Tenants per Floor: 200
 Average sqm per Tenant: 9.15 sqm

- SITE
- ROADS
- PARKS
- WATERBODY
- PUBLIC BUILDINGS
- RESIDENTIAL
- BUSINESS AND HOTEL
- LARGE SHOPPING



Floor 1-3 - Mall



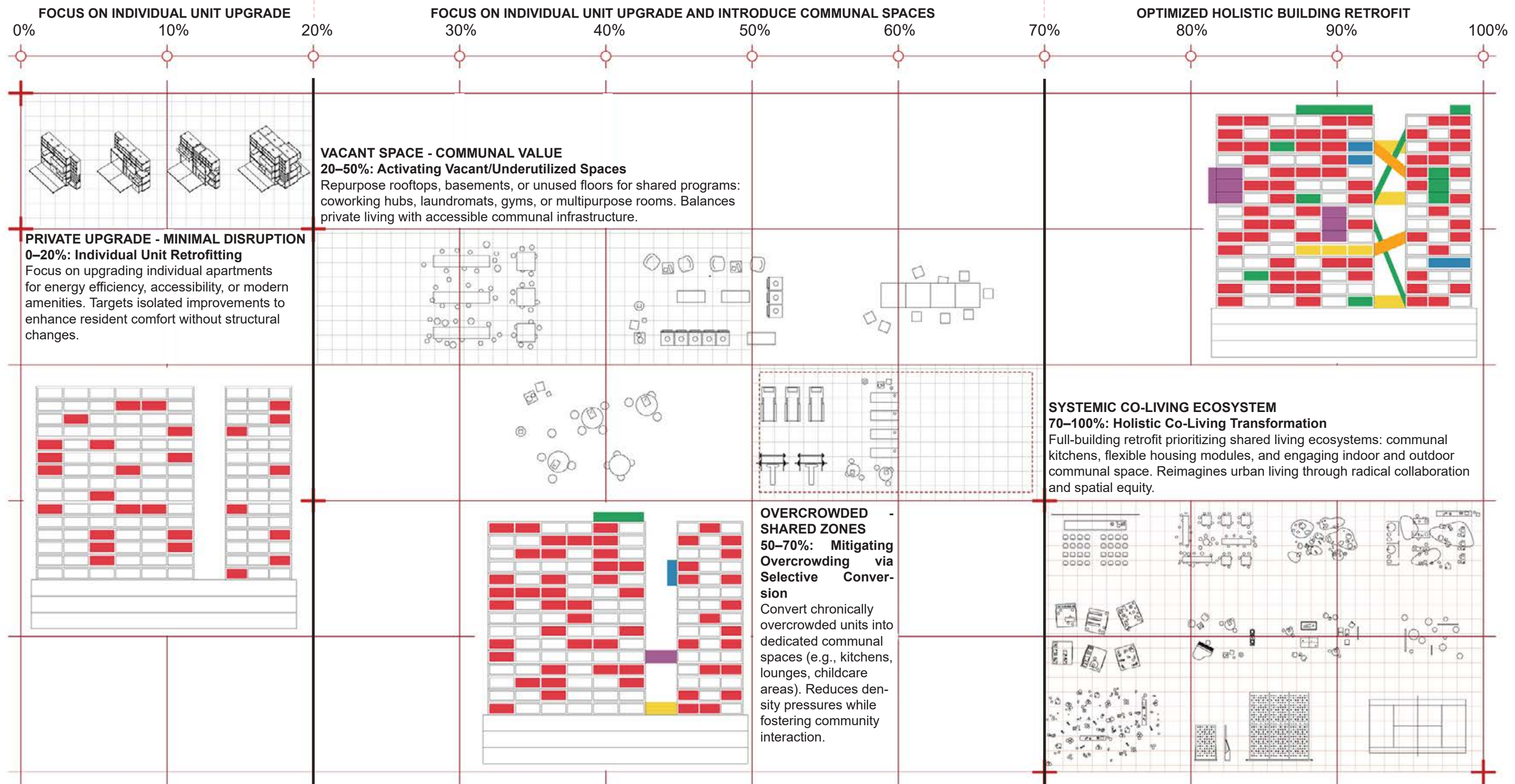
Floor 4-15 - Residential

Thesis Proposed Solution

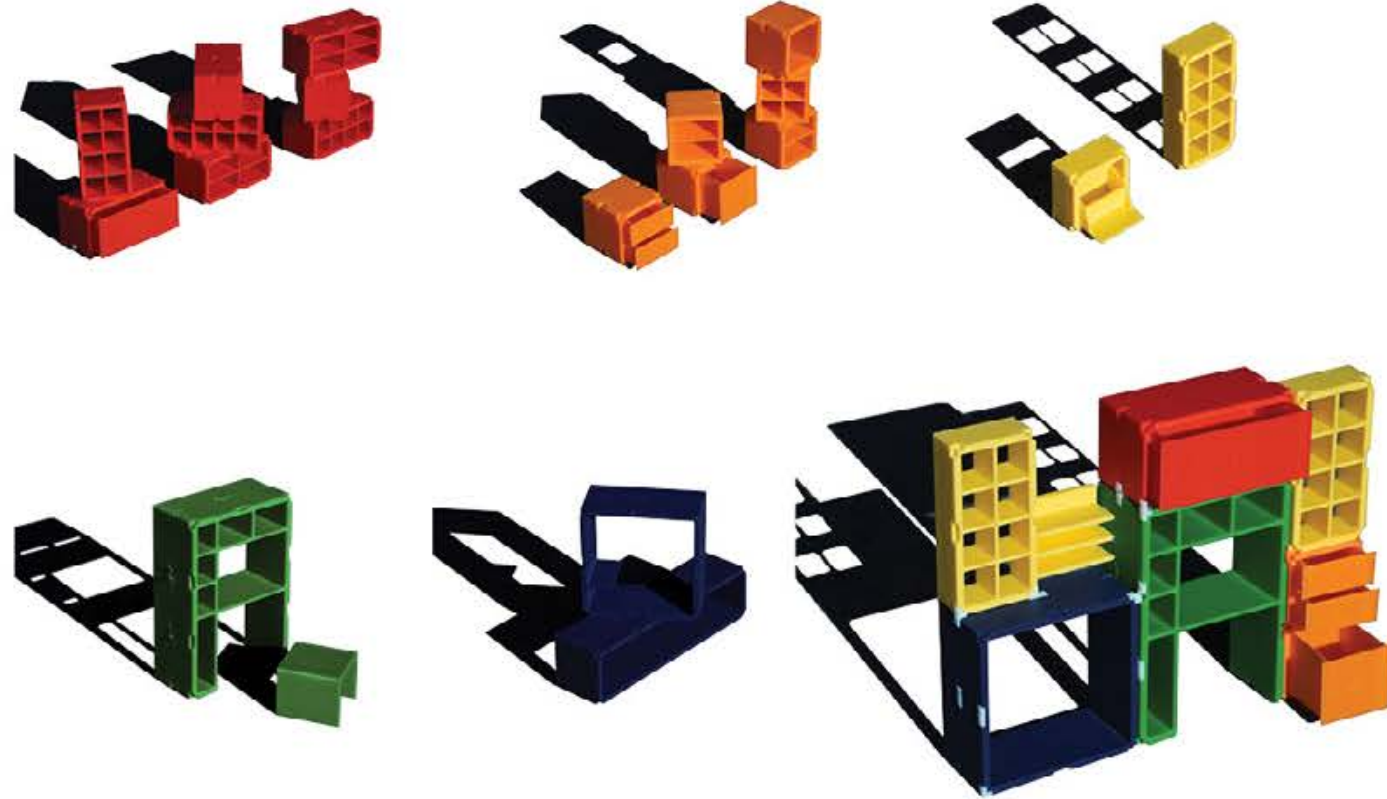
Issues Targeted	Ventilation	Storage	Circulation	Overcrowding
	Long-term Flexibility	Living Space		
Room Level Modular Furniture Modular Furniture as fundamental solution to improve living conditions. Storage Kitchen Shower Toilet Table Bed Panel				
Unit Level Living/Common Space Provide a flexible communal zone supporting shared use, adaptable reconfiguration, and social interaction.				
Building Level Co-living Introduce communal spaces and programs for tenants within the building at different scale.				

PERCENTAGE BASED RETROFIT MODEL INDEX

To determine the appropriate retrofit strategy, we must first assess how many Subdivided Units (SDUs) exist within a building and establish a corresponding Retrofit Intensity Index. When the percentage of SDUs is below 20%, the focus remains on individual unit upgrades—improving layout efficiency, optimizing functionality, and enhancing basic living conditions. As the proportion of SDUs exceeds 20%, communal planning becomes essential. Shared spaces should be introduced to foster social interaction and improve overall tenant well-being, with programs prioritized according to demand—such as workspaces, laundry rooms, and gyms. When the share of SDUs falls between 20% and 50%, shared programs can be integrated into underutilized spaces like rooftops. At 50% to 70%, a portion of the building's private units should be transformed into communal amenities to maintain a livable density and prevent hyper-congested living conditions. Once the percentage surpasses 70%, a comprehensive retrofit becomes imperative—one that not only addresses basic needs but also reintroduces joy, dignity, and a sense of belonging through spaces designed for play, creativity, and collective life.

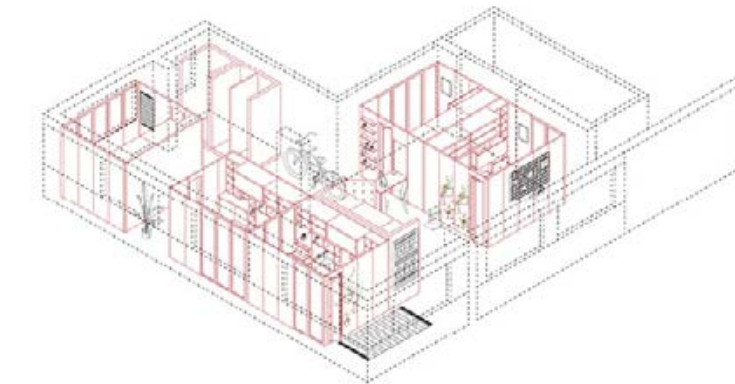
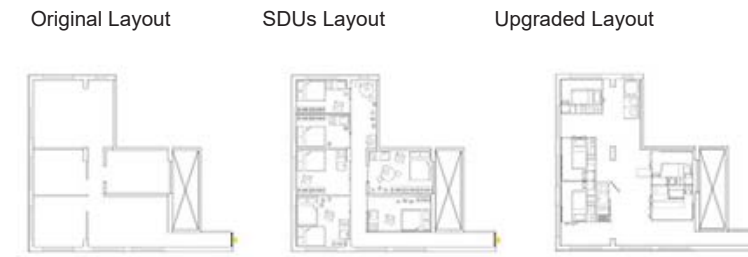


Degree 1 - Individual Unit Retrofit - Modular Furnitures

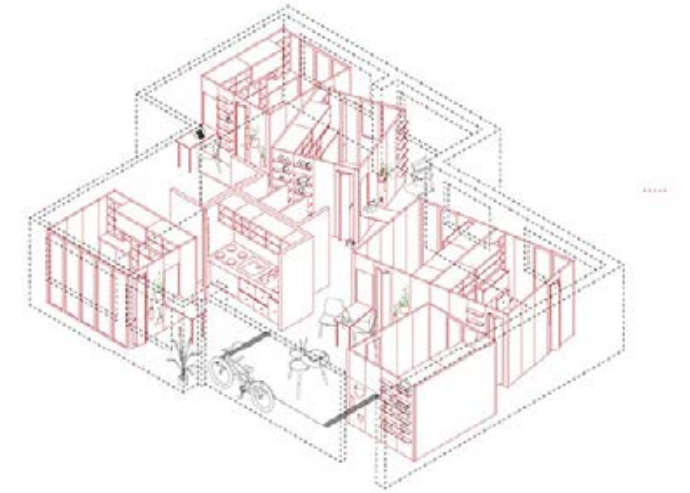
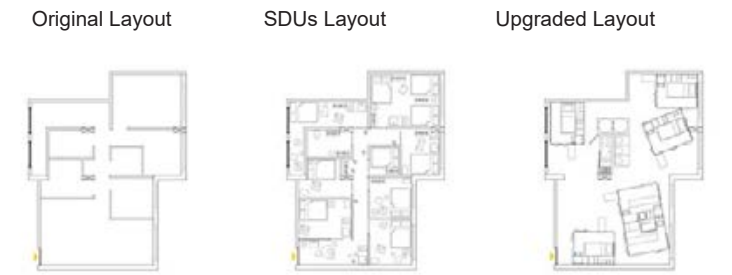


Degree 1 - Individual Unit Retrofit

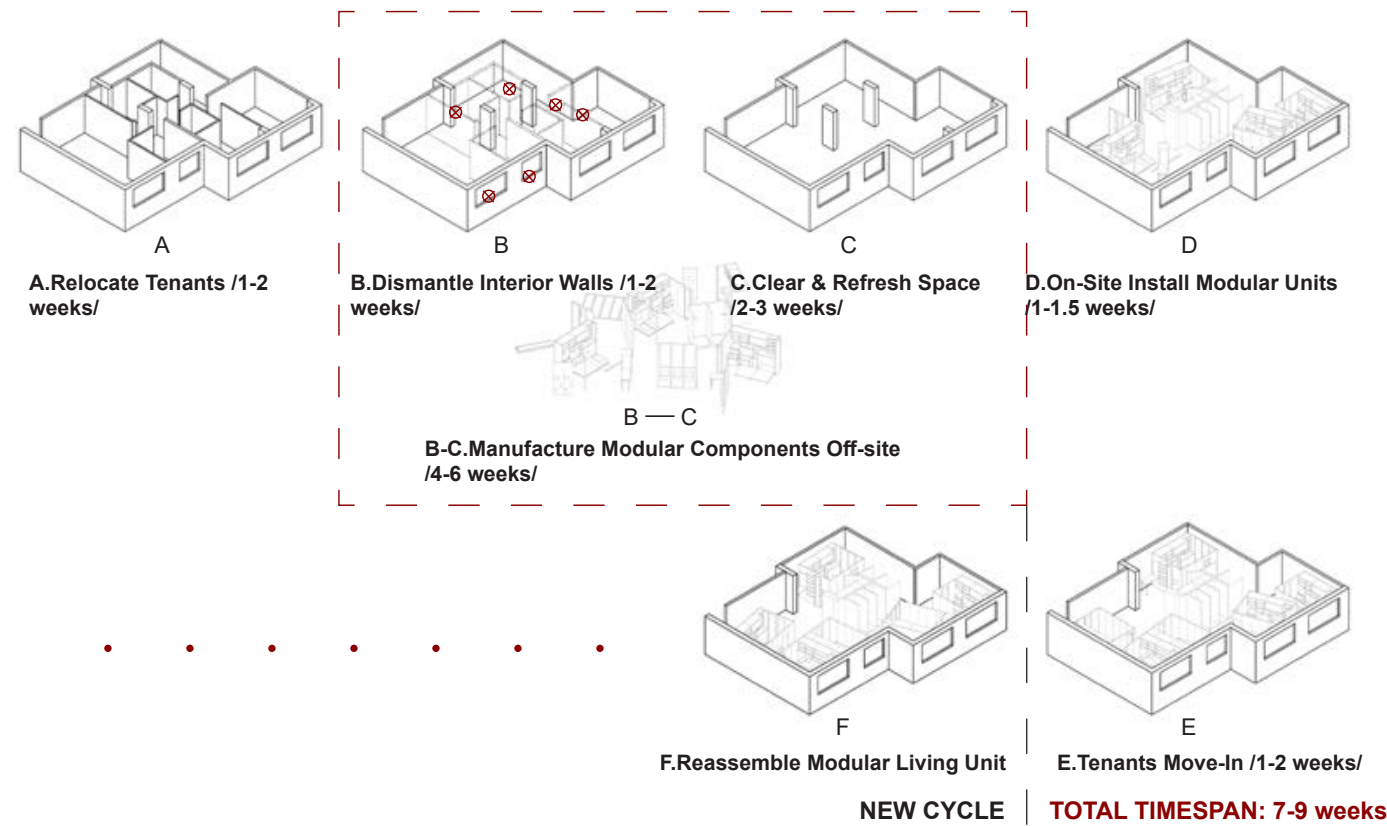
APARTMENT #1



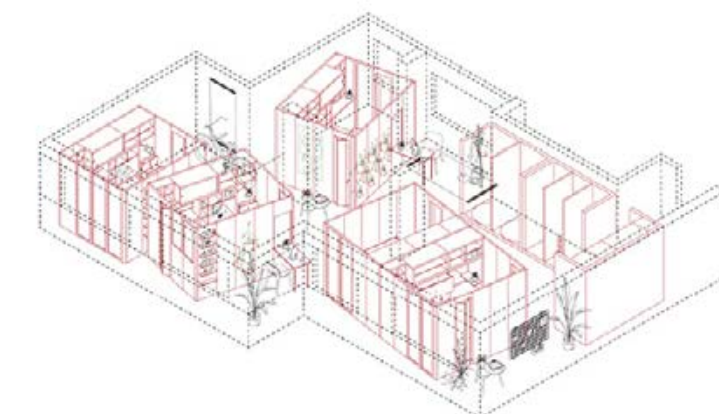
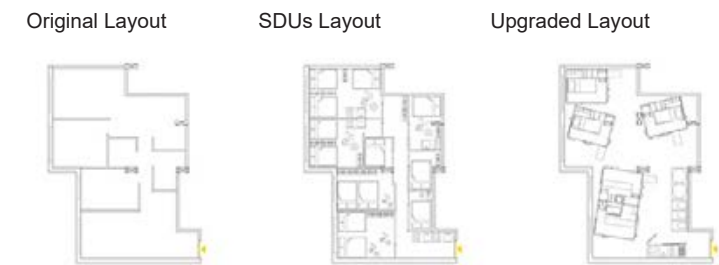
APARTMENT #2



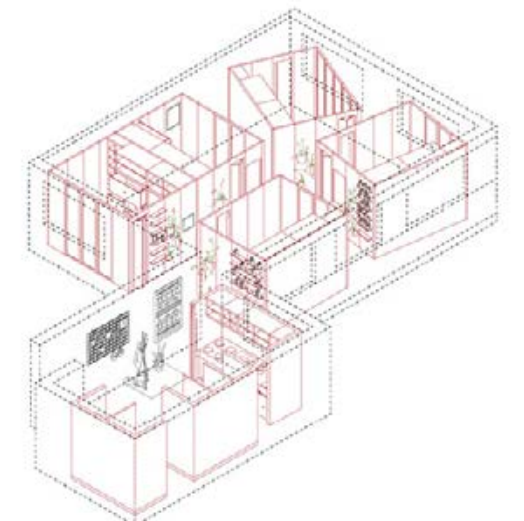
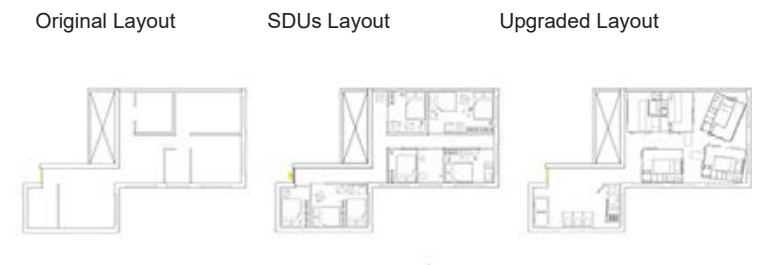
UPGRADED RETROFIT PROCESS AND TIMESPAN WITH MODULAR FURNITURE



APARTMENT #3



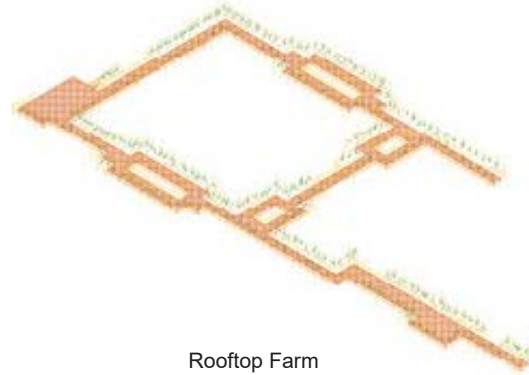
APARTMENT #4



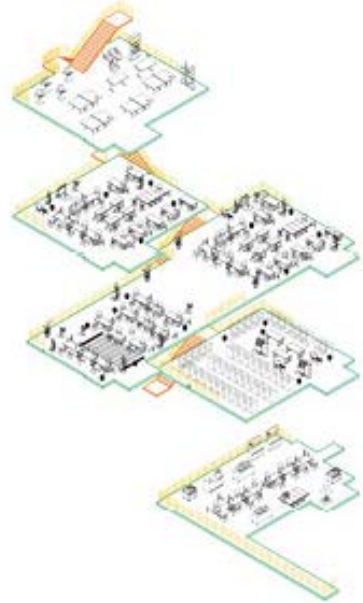
Degree 3: OVERCROWDED - SHARED ZONES

70–100%: Holistic Co-Living Transformation

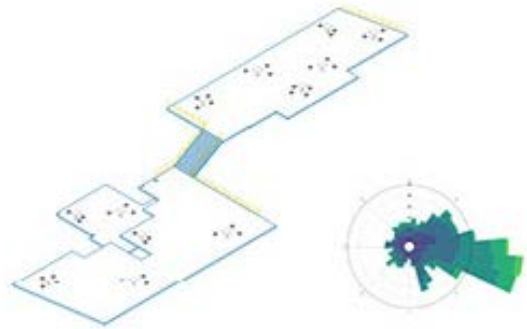
Full-building retrofit prioritizing shared living ecosystems: communal kitchens, flexible housing modules, and engaging indoor and outdoor communal space. Reimagines urban living through radical collaboration and spatial equity.



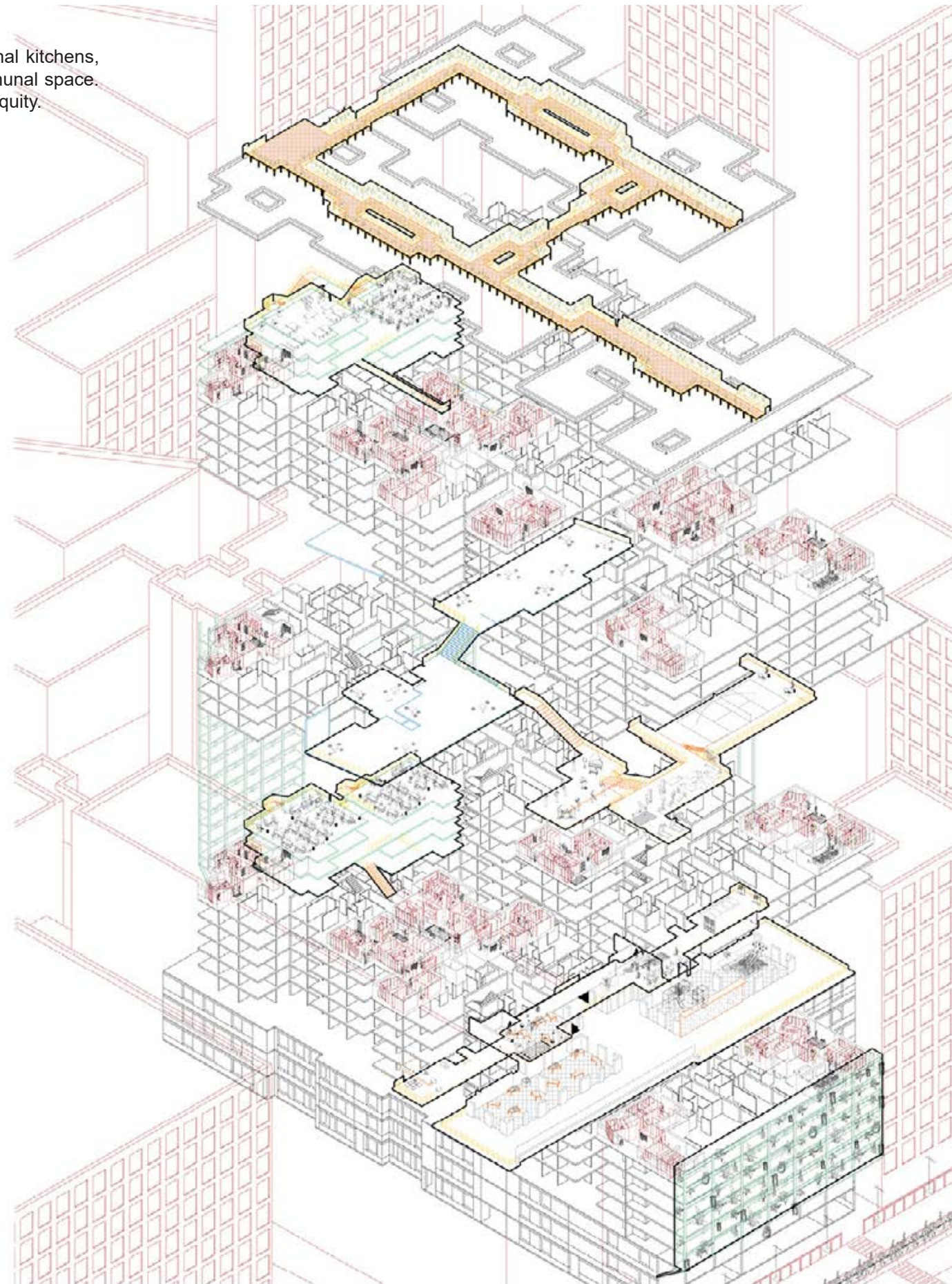
Rooftop Farm



Open Work Space & Game Room & Meeting Room & Screening Room
Laundry Room & Communal Kitchen



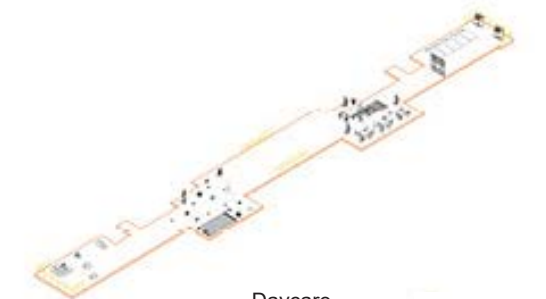
Open Atrium



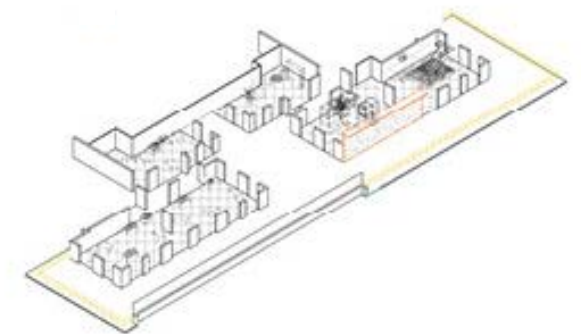
Hanging Garden



Dance Studio & Gym & Tennis Court



Daycare



Small Retail Space & Kids' Playroom

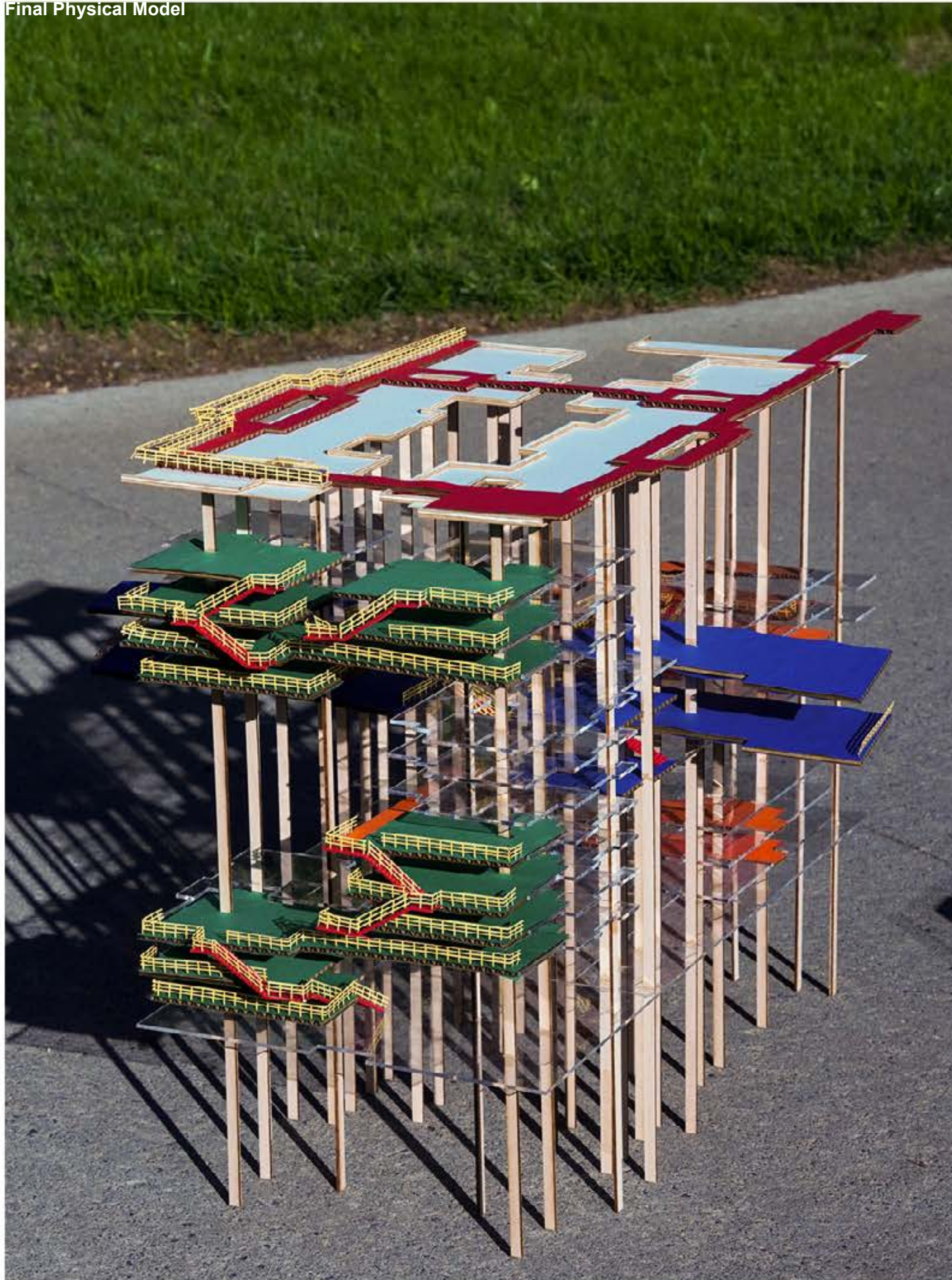
12th Floor Plan



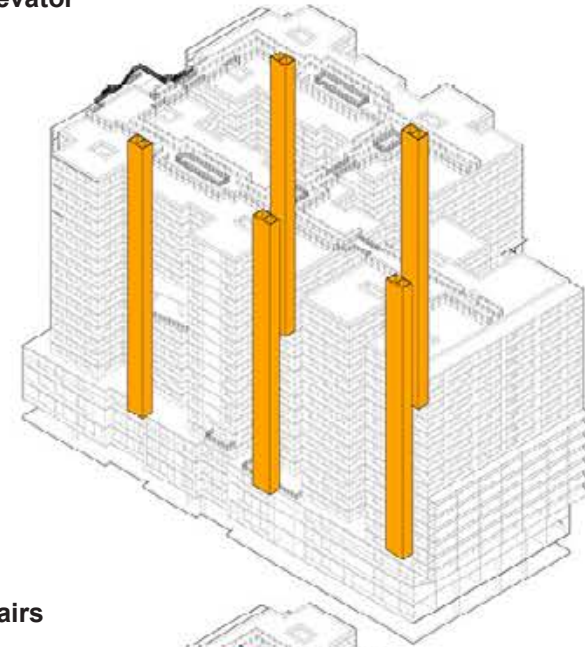
- 1 Nathan Road
- 2 Mody Road
- 3 Peninsula Apartment
- 4 Minden Apartments
- 5 Imperial Hotel
- 6 Hanging Garden
- 7 Cantilevered Outdoor Circulation
- 8 Open Air Atrium - 11th Floor
- 9 Open Air Atrium - 12th Floor
- 10 Shared Work Space
- 11 Upgraded Living Units



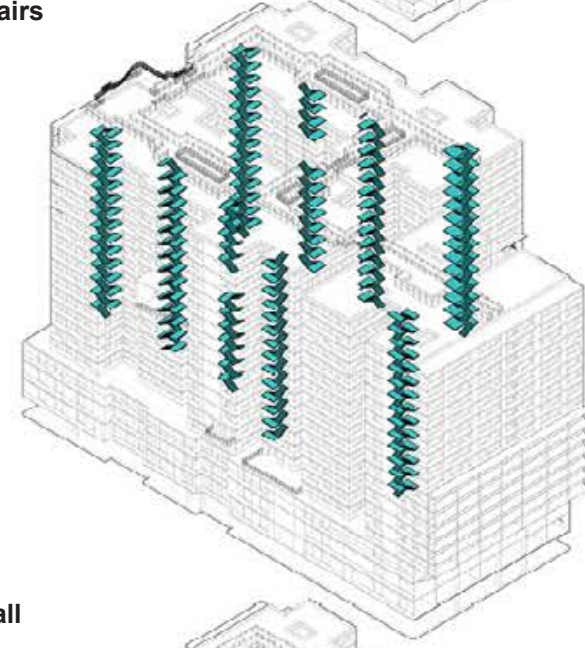
Final Physical Model



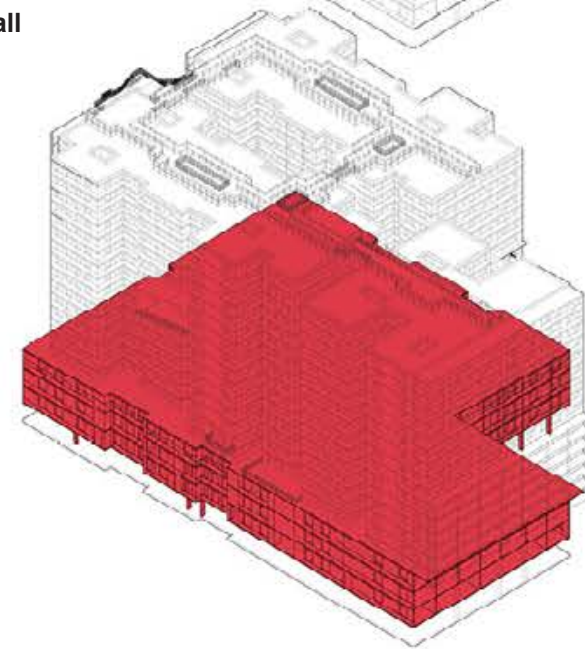
Elevator



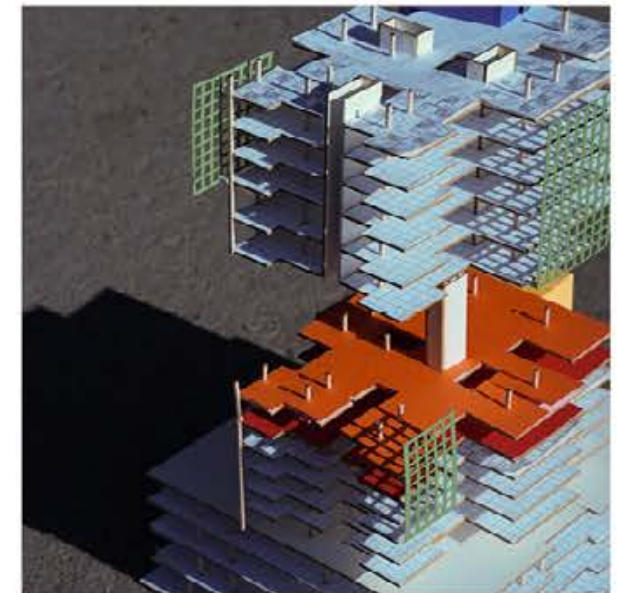
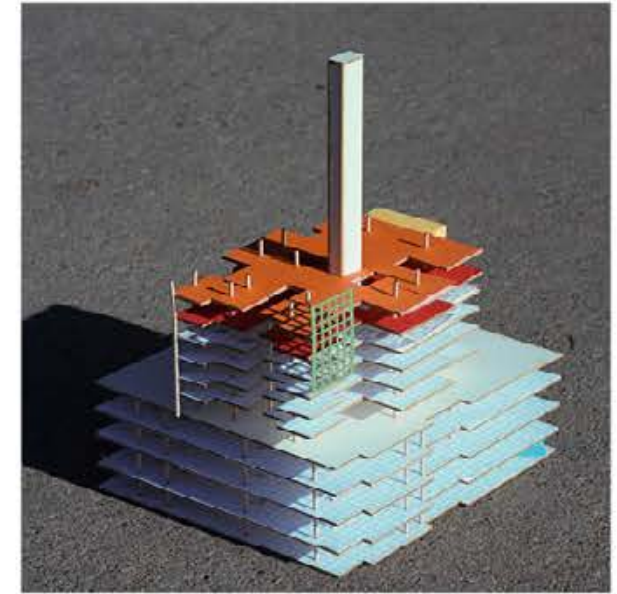
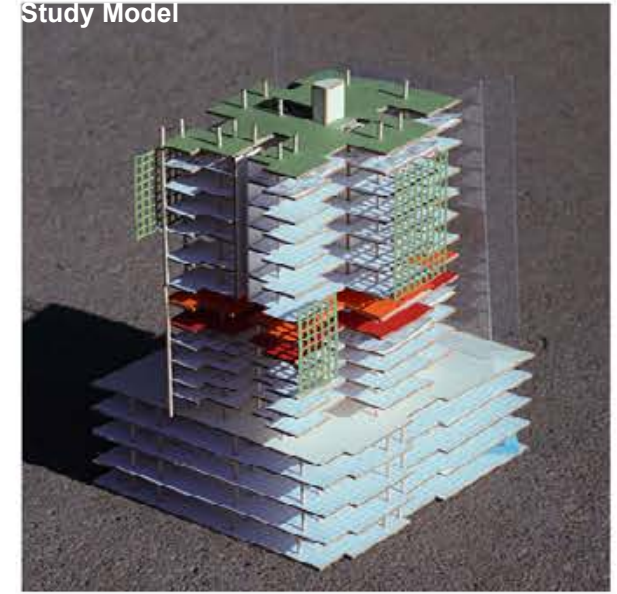
Stairs



Mall



Study Model





// 02. Grow-as-you-go Home

_ 2024 SPRING
 _ Instructor: Emma Silverblatt
 _ Collaborator: Zekai Lin
 _ Location: Trumansburg, NY.

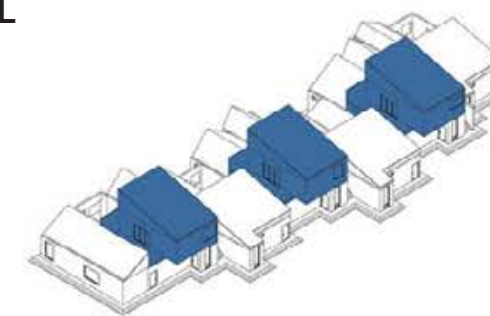
Located in Tompkins County, Trumansburg, New York, combines small-town charm with access to Ithaca's urban amenities, yet faces a housing crisis driven by shrinking household sizes and rising costs. Our goal is to create adaptable, affordable housing that aligns with these demographic shifts. Using CMU structural walls and modular wood-frame construction, the project begins with the core spaces, kitchen, bathroom, and mechanical room, alongside backyard walls that double as future expansion structures. Each cluster includes units sized from studios to three-bedroom homes, providing flexibility for single-person households and families alike. Occupants can expand their living spaces over time, using simple materials to minimize costs, and may choose to add ADUs for rental income. By partnering with nonprofits like INHS, we prioritize essential structures, allowing occupants to build additional living spaces as needed. The design also fosters community through connected walking trails and recreational areas, offering spaces for exercise, relaxation, and community engagement, an alternative to traditional indoor gyms that integrates with Trumansburg's natural landscape.

TRUMANSBURG, NEW YORK

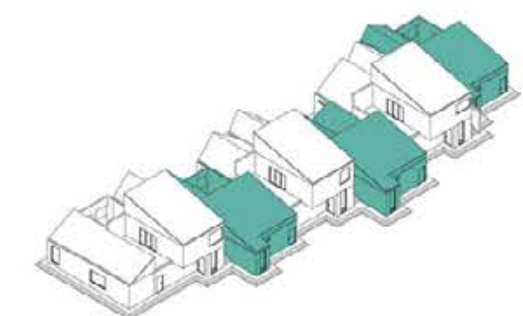


CLUSTER FINANCIAL MODEL

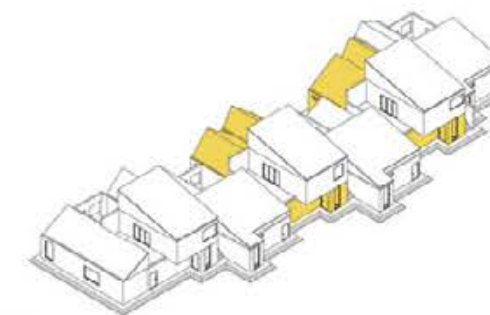
- Tompkins Employees
 - Young Families
- • Rent or Purchase as the starter house
- • One Bedroom Apartment / Two Bedroom Apartment
- • Renovate or add new spaces
- Three Bedroom Apartment



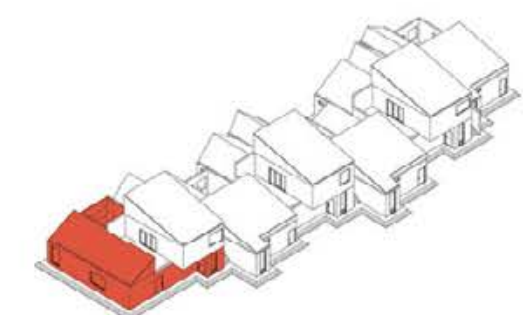
Studio



1B1B



2B2B

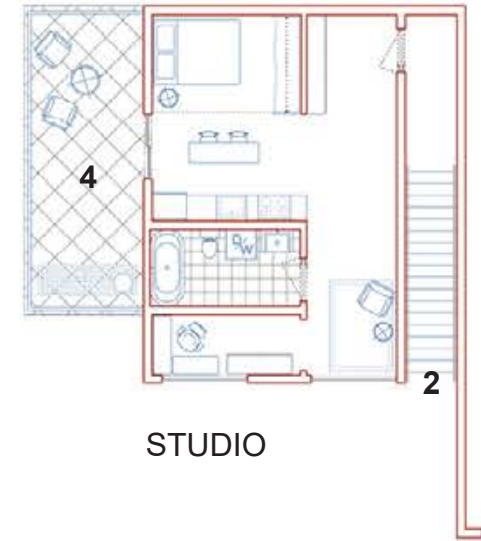


3B2B

CLUSTER PLAN



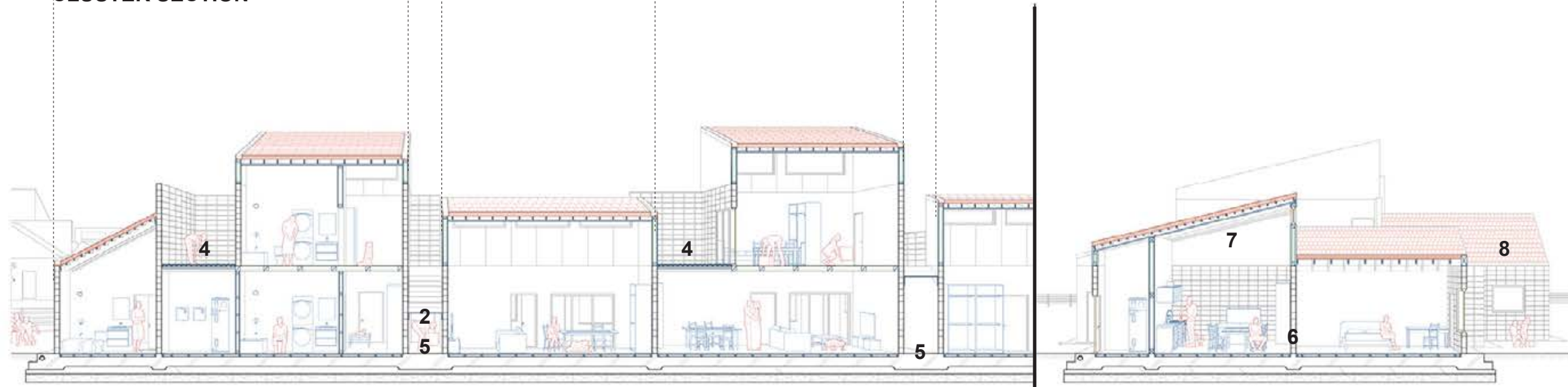
GROUND FLOOR



STUDIO

SECOND FLOOR

CLUSTER SECTION



- 1 Mechanical Room
- 2 Staircase to the 2nd Floor
- 3 Extra Room for Future Extension
- 4 Studio Balcony
- 5 Storage Space
- 6 CMU Wall
- 7 Wood Beams
- 8 Asphalt Roof Panels
- 9 Front Entrance
- 10 Back Entrance from Shared Backyard

CONSTRUCTION DETAILS - MODEL



COMMUNAL LIVING ENVISIONS



MODEL DEMONSTRATION OF AFFORDABLE HOUSING STRATEGY

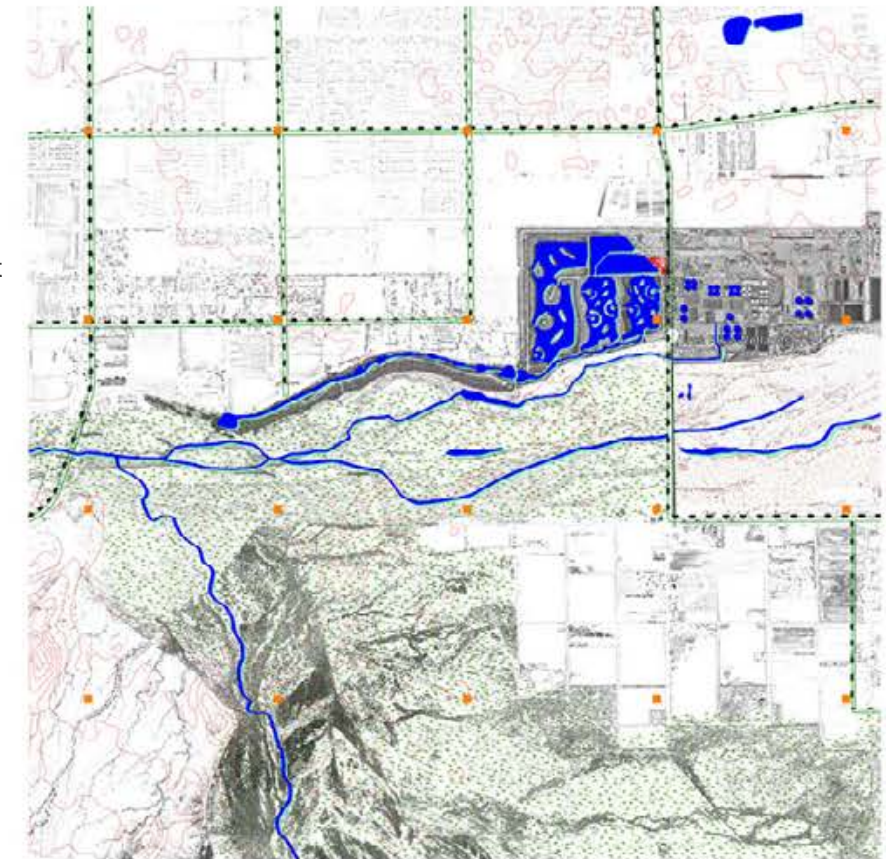


- 1 Frontyard
- 2 Backyard
- 3 Function Core /Kitchen, Bathroom, Living Room/
- 4 Existing Living Module /Bedroom, Working Space/
- 5 Added Living Module
- 6 CMU Wall
- 7 Second Added Living Module
- 8 Unfurnished Prebuilt Living Module



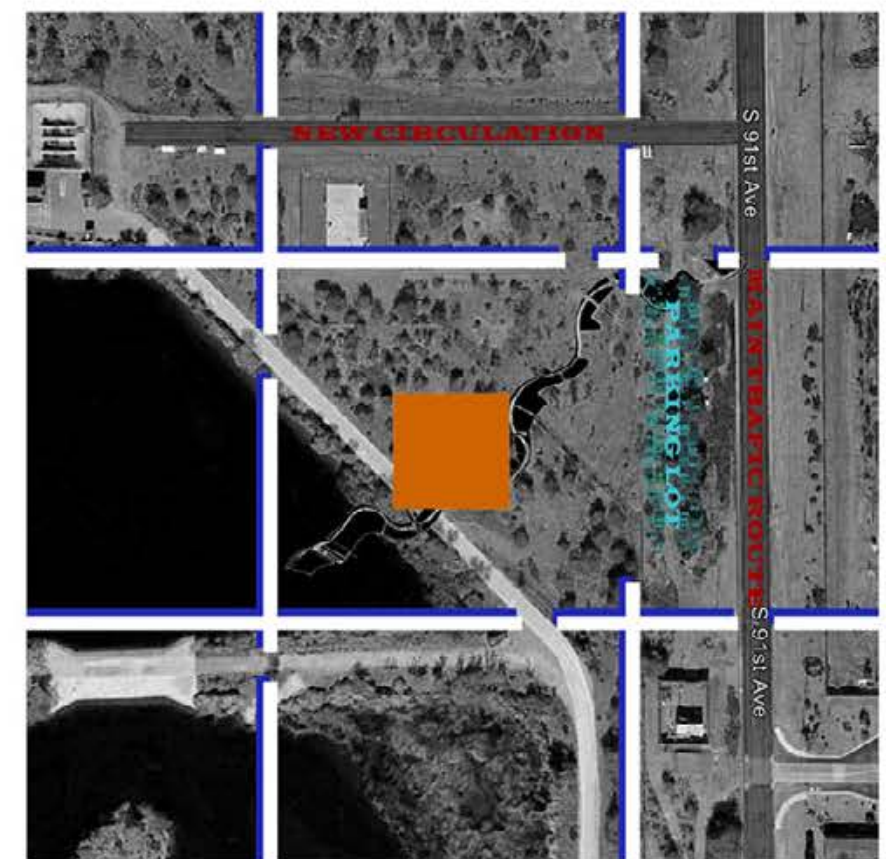
TRES RIOS WETLAND, PHOENIX, AZ

The concept of 'in-between' is central to my project. The Tres Rios Wetland, situated at the intersection of the urban grid and the natural landscape, exemplifies the notion of a transitional space. Similarly, our site lies between the Tres Rios Wetland and the adjacent water treatment facility, both of which are currently inaccessible to the public due to government regulations. This project addresses the gap by creating a space that **reveals and demystifies the hidden processes of water treatment**, enabling visitors to engage with and learn about them. Ultimately, the project **serves as a microcosm of the site**, embodying its duality while **functioning as an educational and awareness-building conduit**.



SITE PLAN

The square defines the core of my project, with the entire structure designed as a perfect square positioned at the center of the site. The circulation was directed to flow diagonally. **Visitors are guided along diagonal pathways that serve as the exhibition routes**, creating a deliberate and dynamic movement through the space. This diagonal circulation not only enhances the spatial experience but also draws symbolic parallels to the flow of water, reinforcing the connection between the architecture and its purpose.



// 03. The Roof the Ground

_ 2024 FALL

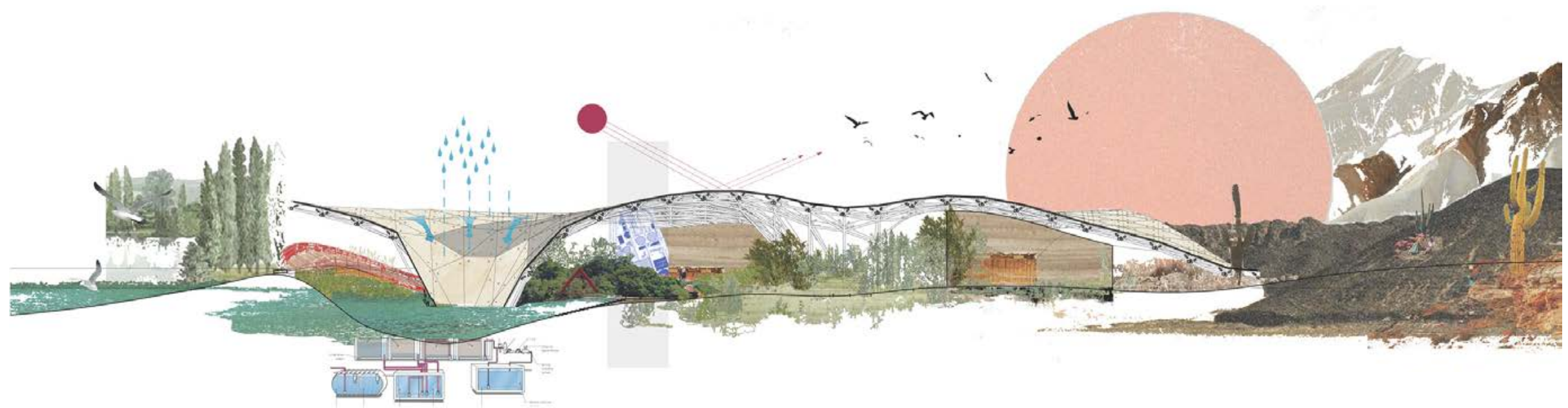
_ Instructor: Christiana Moss; Margaret Kirk

_ Location: Phoenix, Arizona.

The educational convention center in Tres Rios, Phoenix, Arizona, includes offices, exhibition space, a convention center, multi-use classrooms, and a FEMA disaster center with short-term housing for climate emergencies. Designed to immerse visitors in the processes of water treatment and the Tres Rios Wetland, the center fosters an understanding of sustainable water management. Positioned between the wetland and a restricted water treatment facility, it bridges the gap by making these essential but inaccessible systems visible and engaging. The concept of 'in-between' shapes the design, reflecting the site's role as a transition between urban and natural environments. A square structure anchors the center, with diagonal pathways that guide visitors through exhibitions, symbolizing the flow of water and creating a direct connection between the architecture and its purpose. By combining educational spaces, exhibits, and outdoor areas, the center provides a platform to explore the ecological value of wetlands and the importance of conservation.

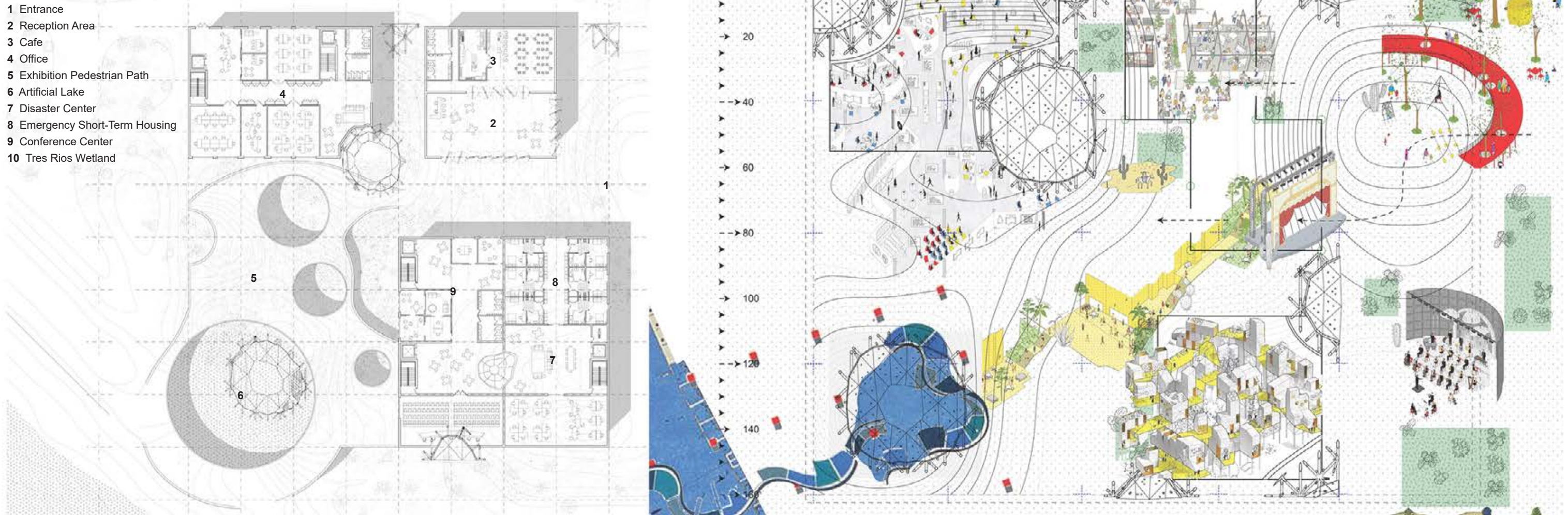
CONCEPT - PEANUT BUTTER SANDWICH STRUCTURE

The design uses a 'peanut butter sandwich' concept, **with the roof and landscape as layers that shape the spaces in between.** These layers create dynamic depths that house key programs and guide movement through the site. **The exhibition begins with a desert-inspired entrance, transitions through wetlands and lush greenery, and ends in a quiet, reflective space.** Each environment highlights the site's ecological diversity, emphasizing the connection between the desert, wetlands, and sustainable practices while showcasing the relationship between nature and built space.

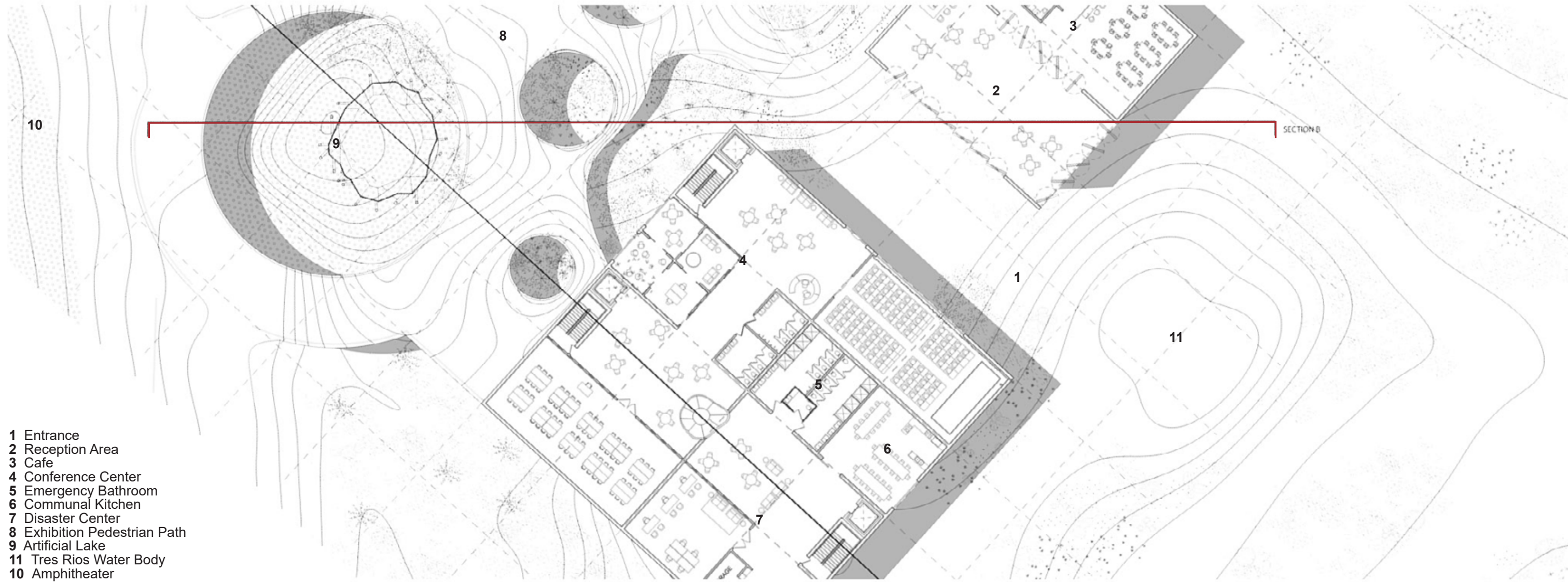


CONCEPT - SPETIAL DEPTH DEFINES FUNCTIONS

- 1 Entrance
- 2 Reception Area
- 3 Cafe
- 4 Office
- 5 Exhibition Pedestrian Path
- 6 Artificial Lake
- 7 Disaster Center
- 8 Emergency Short-Term Housing
- 9 Conference Center
- 10 Tres Rios Wetland

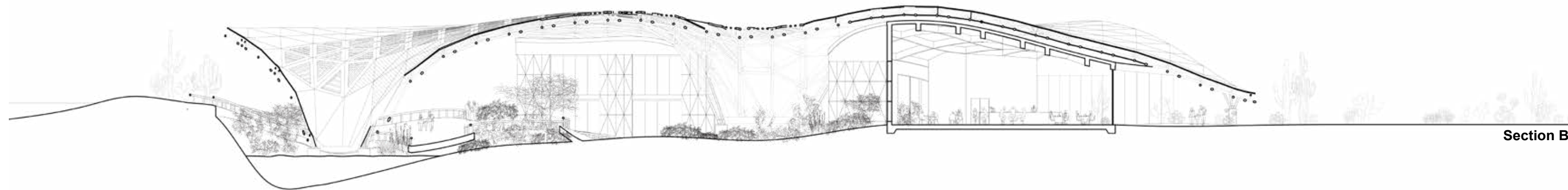


EXHIBITION ROUTE DEMONSTRATION



- 1 Entrance
- 2 Reception Area
- 3 Cafe
- 4 Conference Center
- 5 Emergency Bathroom
- 6 Communal Kitchen
- 7 Disaster Center
- 8 Exhibition Pedestrian Path
- 9 Artificial Lake
- 11 Tres Rios Water Body
- 10 Amphitheater

First Floor Plan



Section B



PASSIVE DESIGN STRATEGY

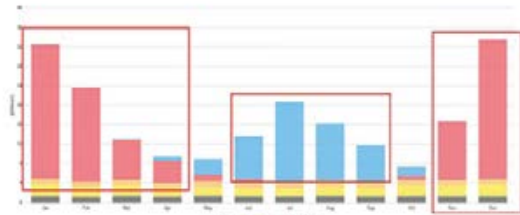
SHADING ANALYSIS



WITH SHADING

The space frame canopy provides deep shade that reduces solar heat gain, improves thermal performance, and increases occupant comfort.

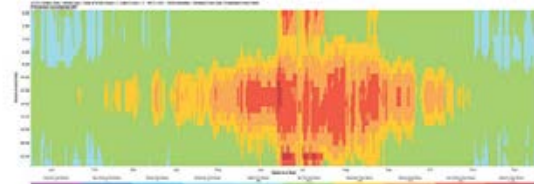
ENERGY ANALYSIS



ENERGY USE

Seasonal energy demand is dominated by cooling in summer and heating in winter. Water and planting are positioned in the wind path for evaporative cooling, while hempcrete improves winter insulation and limits heat loss.

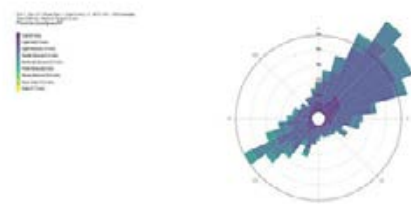
UTCI ANALYSIS



AFTER SHADING AND WIND PROTECTION

The UTCI results show a clear comfort improvement after adding the shading canopy and adjustable Tarratoca baguette panels, which regulate summer airflow and limit hot air infiltration.

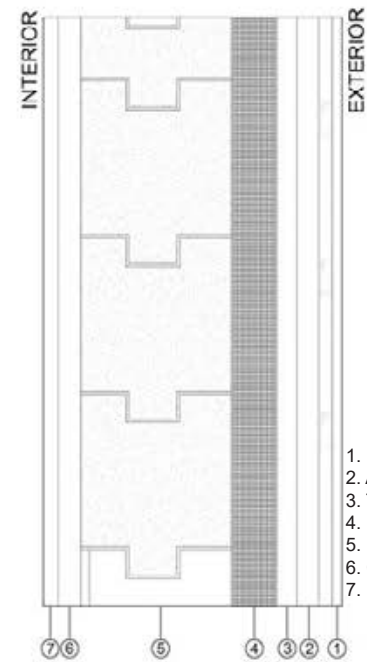
WIND PATH ANALYSIS



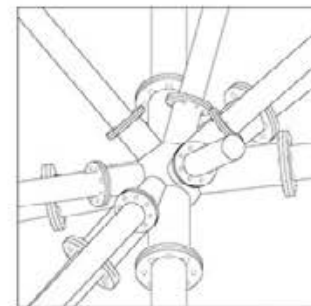
WINTER WIND FLOW

Openings are placed diagonally to align with prevailing winds, southwest in summer and northeast in winter, to enhance ventilation and draw cooler air from Tres Rios Wetland and the artificial lake.

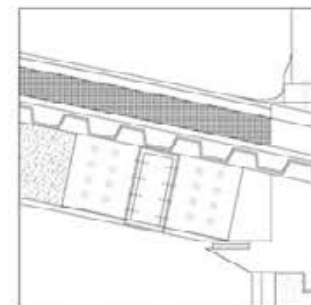
WALL ASSEMBLY



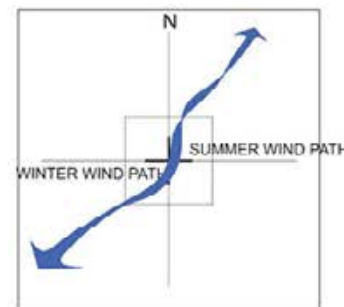
1. FIBER CEMENT FACADE PANEL
2. AIR BARRIER
3. THERMAL INSULATION
4. INSULATION
5. HEMPCRETE
6. CAVITY INSULATION
7. LIME PLASTER



TIMBER TRUSS JOINT

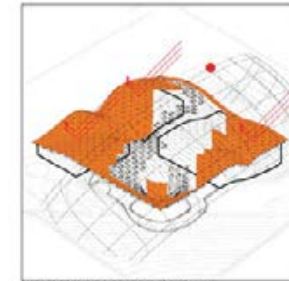


TIMBER BEAM JOINT

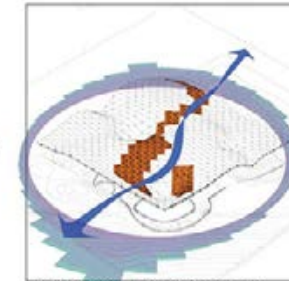


WIND PATH DIAGRAM

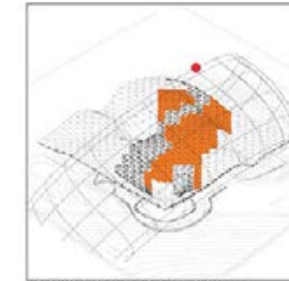
CANOPY PATTERN (SHADING AND VENTILATION)



TERRACOTTA PANEL



TERRACOTTA BAGUETTE

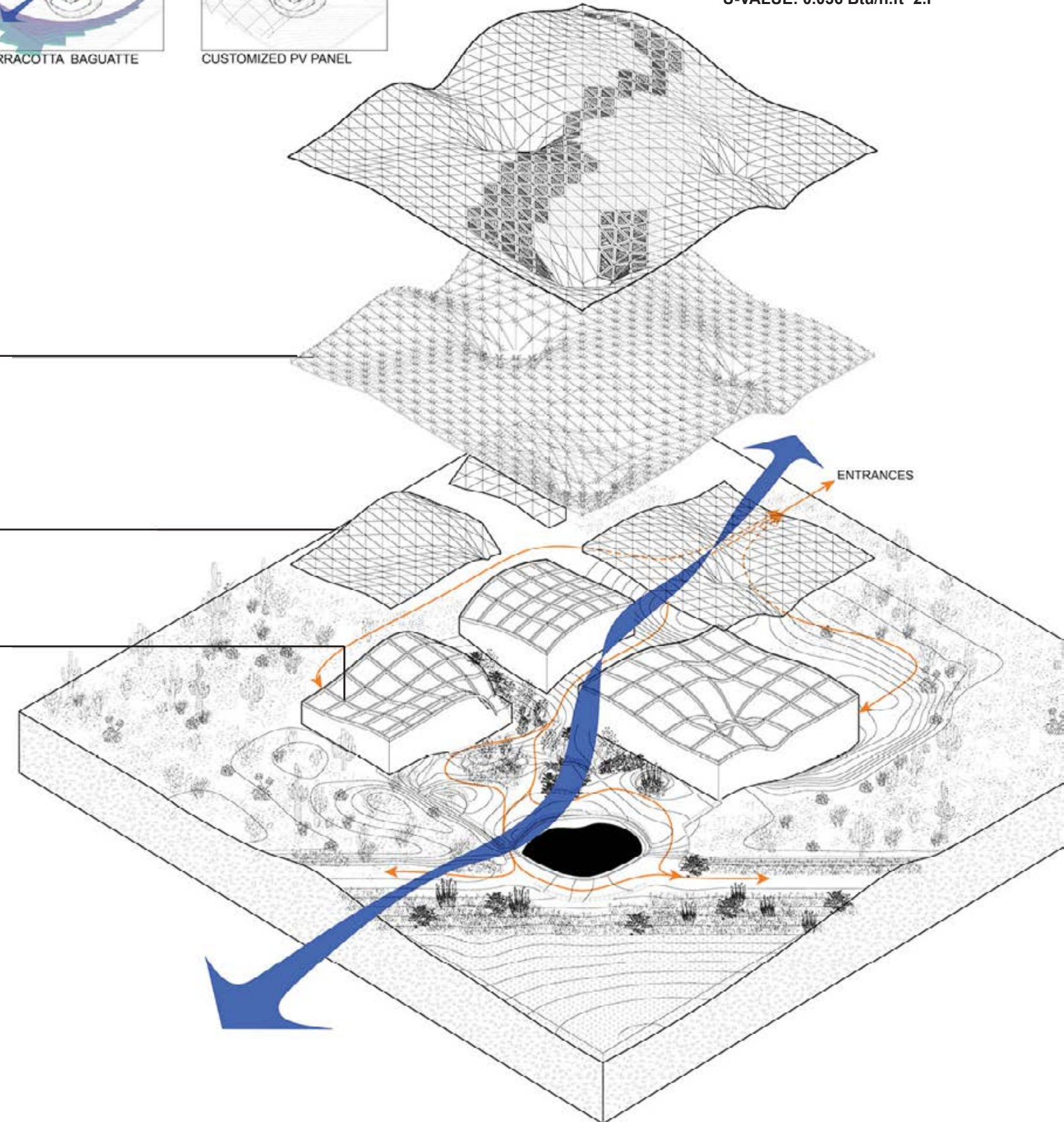


CUSTOMIZED PV PANEL

EXTRA TERRACOTTA PANEL LAYER ABOVE BUILDING ROOF FOR EXTRA SHADING AND WATER BARRIER

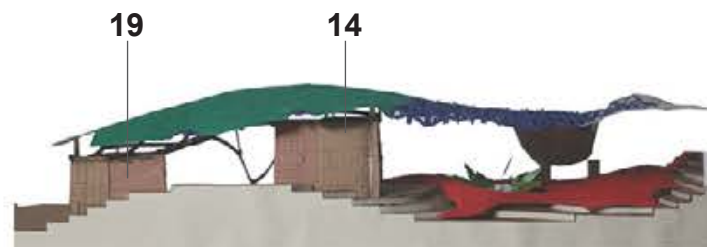
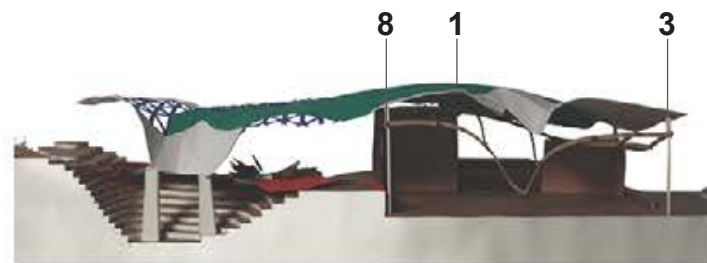
ENERGY CALCULATION

COUNTRY: USA
 STATE: ARIZONA
 CITY: PHOENIX
 BUILDING TYPE: COMMERCIAL
 CODE: IBC IECC 2018
 R-VALUE: 27.48 H.ft² F/Btu
 U-VALUE: 0.036 Btu/h.ft².F

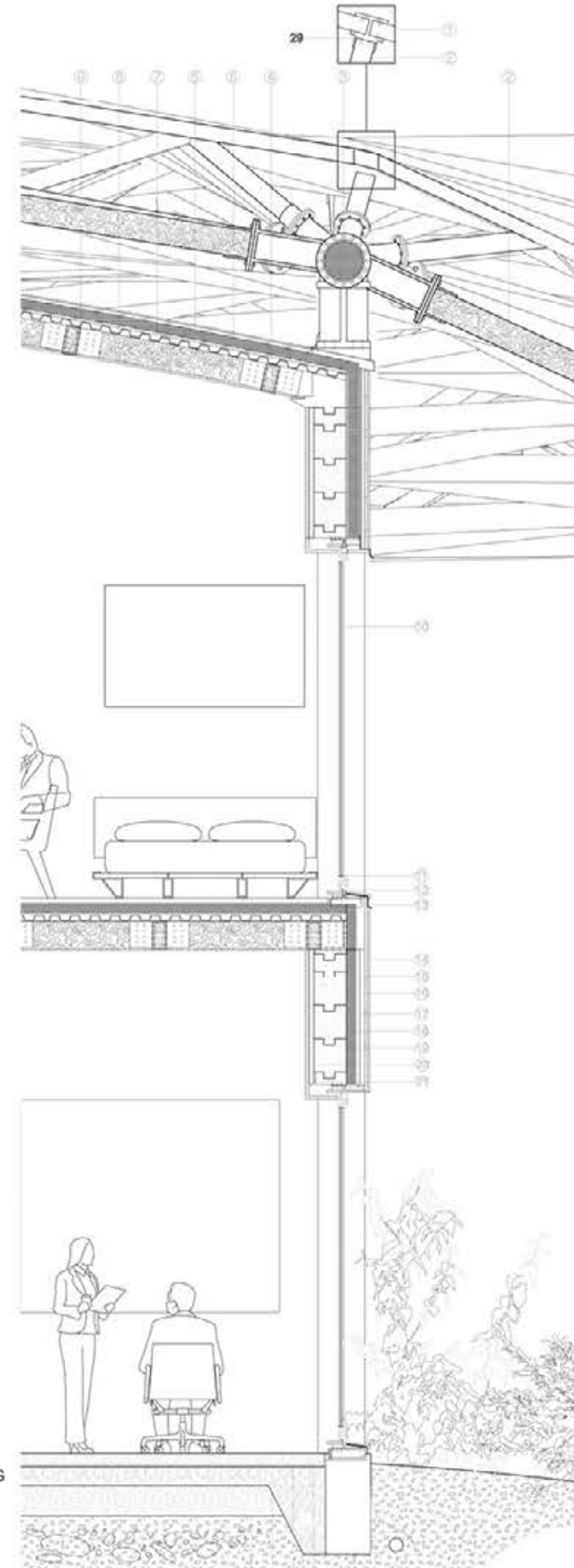


CANOPY STRUCTURE DETAILS

The structure of this building features a large canopy positioned atop an artificially contoured landscape. The canopy is supported by a system of timber beams and metal structural joints, which uphold terracotta panels that serve as both a protective covering and an energy-efficient surface. Integrated within these panels are photovoltaic (PV) modules to enhance energy efficiency, along with strategically spaced shading devices that facilitate natural ventilation. The canopy is anchored at the four corners of each building, effectively channeling structural loads downward to the ground. The building's façade also incorporates terracotta, chosen for its durability, thermal performance, and sustainability in arid environments.



- | | |
|-----------------------------------------|-------------------------------|
| 1. TERRACOTTA ROOF PANEL | 16. BARRISEAL |
| 2. TIMBER TRUSS | 17. THERMAL INSULATION |
| 3. CUSTOMIZED STEEL JOINT | 18. CELLULOSE INSULATION |
| 4. LIME PLASTER | 19. HEMPCRETE |
| 5. AIR BARRIER / THERMAL INSULATION | 20. CAVITY INSULATION |
| 6. INSULATION | 21. LIME PLASTER |
| 7. GALVANIZED CORRUGATED STEEL SHEETING | 22. DRAINAGE PIPE |
| 8. TIMBER BEAM | 23. FLASHING |
| 9. STEEL JOINT | 24. CONCRETE FOUNDATION |
| 10. INSULATED GLASS WALL | 25. CONCRETE GROUND FINISHING |
| 11. STEEL ANGLE BRACKET | 26. BARRISEAL |
| 12. WINDOW FRAME CLIP | 27. STONE PAD |
| 13. VAPOR DIFFUSION RETARDER | 28. GRAVEL |
| 14. FIBER CEMENT FAÇADE PANEL | 29. METAL JOINT |
| 15. METAL PANEL CLIPS | R-VALUE: 27.48 |





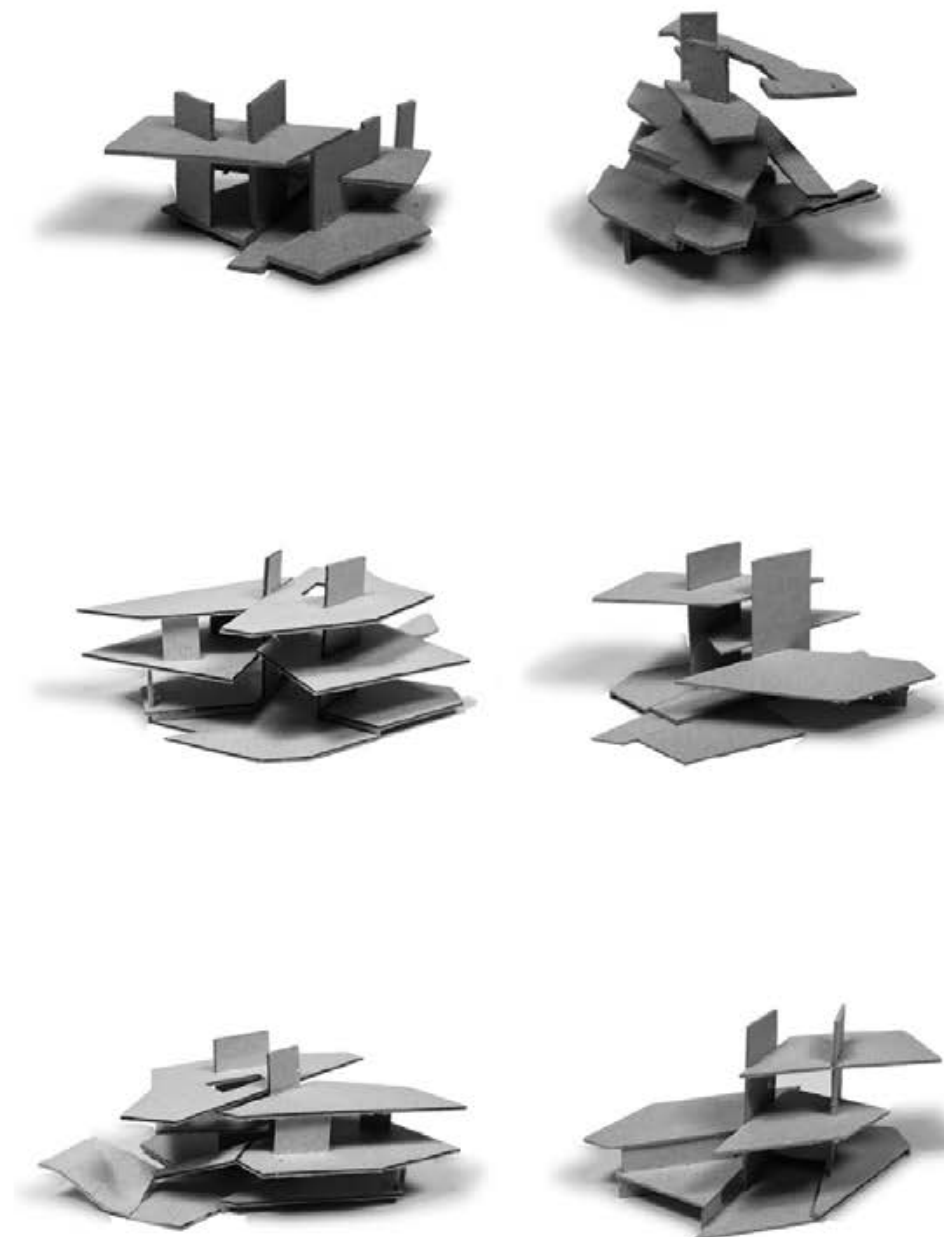
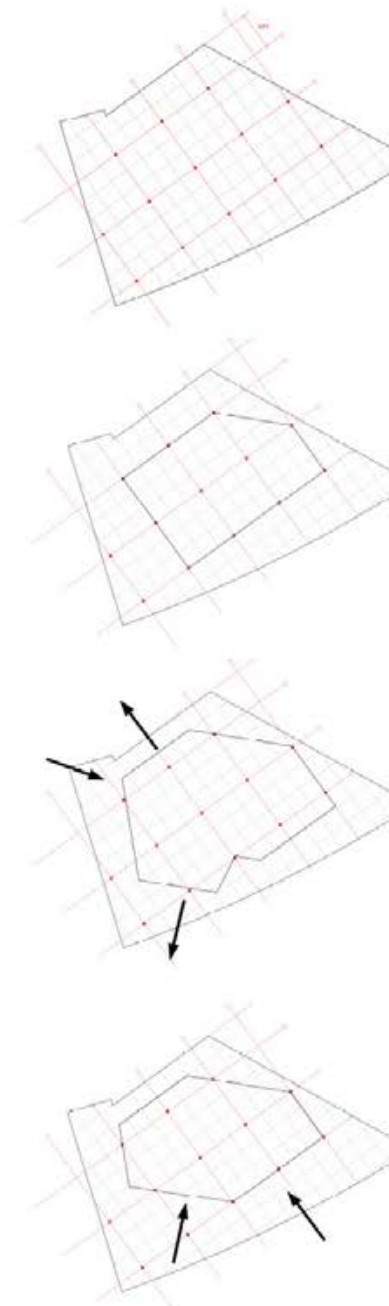
COMMUNITY LIBRARY

This project proposes a multifunctional library and community center tailored to its site and purpose. Centered on a circulation core with interconnected stairs and ramps, it ensures seamless, inclusive mobility. Prioritizing community engagement, education, and collaboration, it features child-friendly spaces and workshops. A marble façade reflects daylight and glows softly at night, creating a visual landmark. The design fosters a practical, vibrant hub supporting diverse activities.

STUDY MODELS



DESIGN DIAGRAM

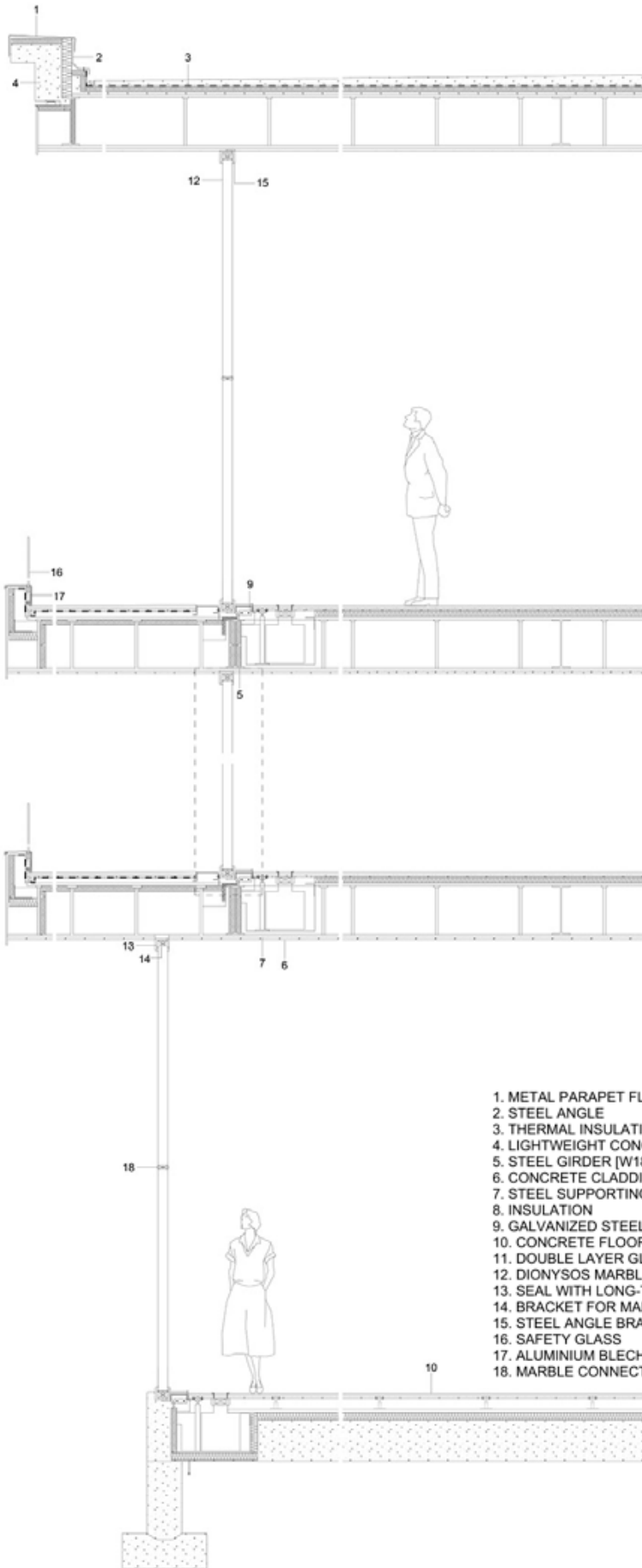


// 04. Community Library

_2022 SPRING
 _Instructor: Marta H. Wisniewska
 _Location: Seneca Fall, NY

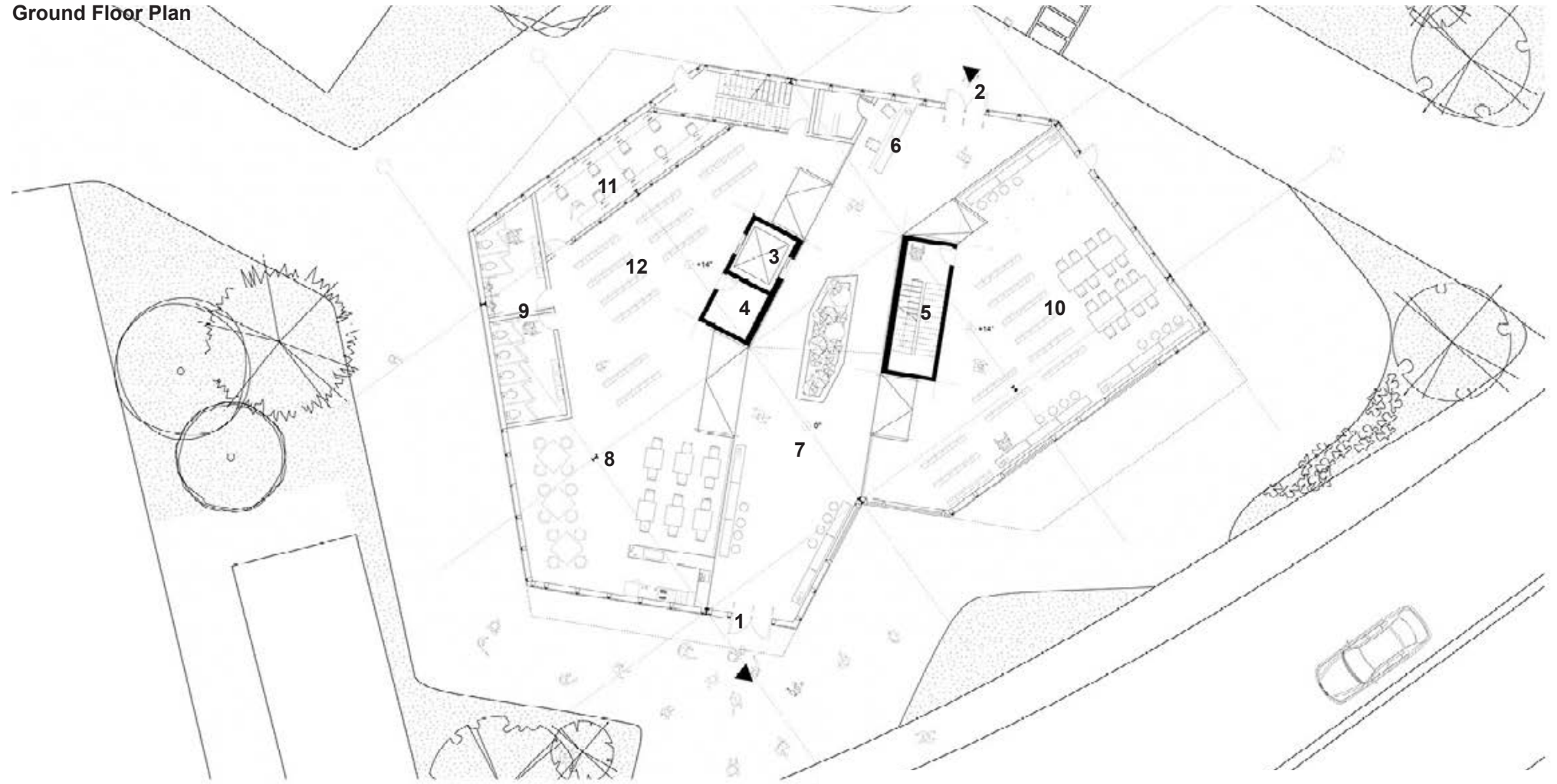
This project conceptualizes a multifunctional library and community center, emphasizing a design deeply responsive to its site and purpose. The proposal centers on a dynamic circulation core that facilitates seamless vertical and horizontal mobility throughout the structure. The core, composed of interconnected staircases and ramps, fosters accessibility and inclusivity, ensuring fluid transitions between various functional zones. These elements not only connect distinct areas of the library but also enhance its role as a hub for community engagement, education, and collaboration. By synthesizing these spatial strategies, the design aspires to create an integrated and vibrant environment that supports diverse activities and strengthens communal ties.

FACADE CONSTRUCTION DETAIL

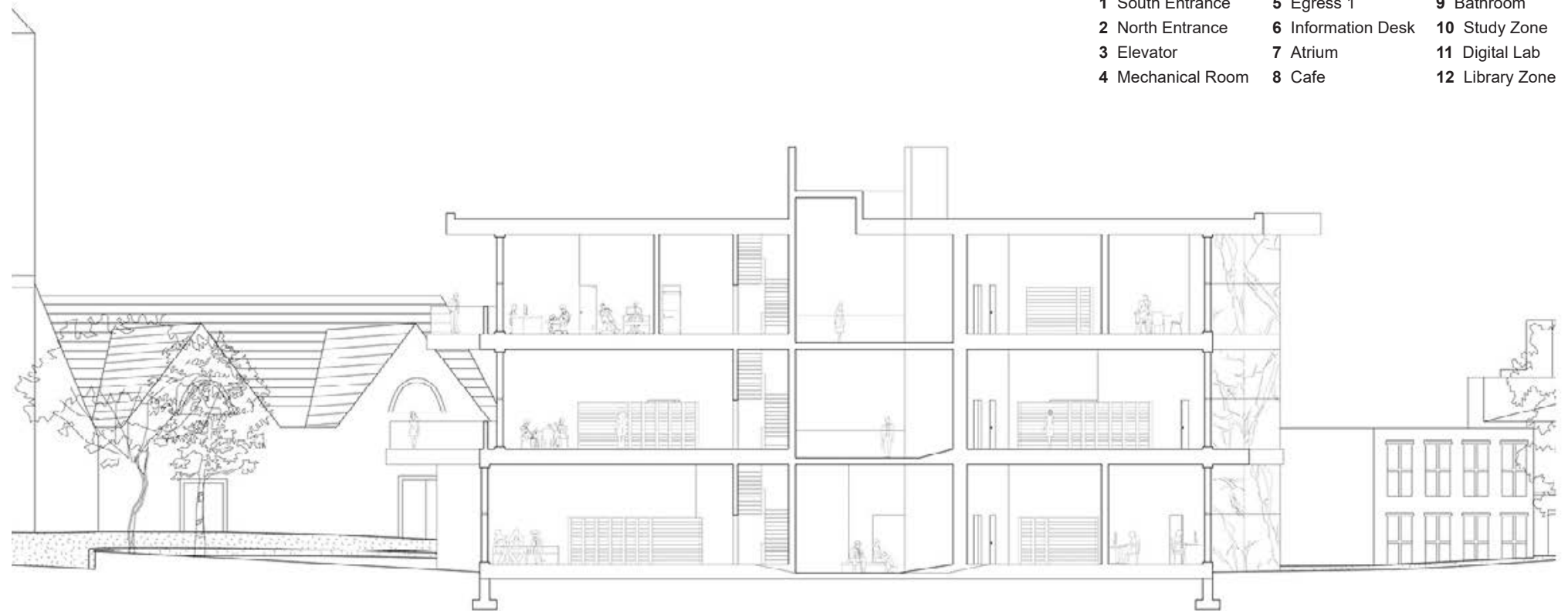


- 1. METAL PARAPET FLASHING
- 2. STEEL ANGLE
- 3. THERMAL INSULATION [0.4"]
- 4. LIGHTWEIGHT CONCRETE
- 5. STEEL GIRDER [W18,40]
- 6. CONCRETE CLADDING [0.9"]
- 7. STEEL SUPPORTING STRUCTURE
- 8. INSULATION
- 9. GALVANIZED STEEL VENTILATION GRATING
- 10. CONCRETE FLOOR FINISHING [0.78"]
- 11. DOUBLE LAYER GLAZING [4.7"]
- 12. DIONYSOS MARBLE [3.5"]
- 13. SEAL WITH LONG-TERM ELASTICITY
- 14. BRACKET FOR MARBLE SLAB
- 15. STEEL ANGLE BRACKET
- 16. SAFETY GLASS
- 17. ALUMINIUM BLECH
- 18. MARBLE CONNECTION

Ground Floor Plan



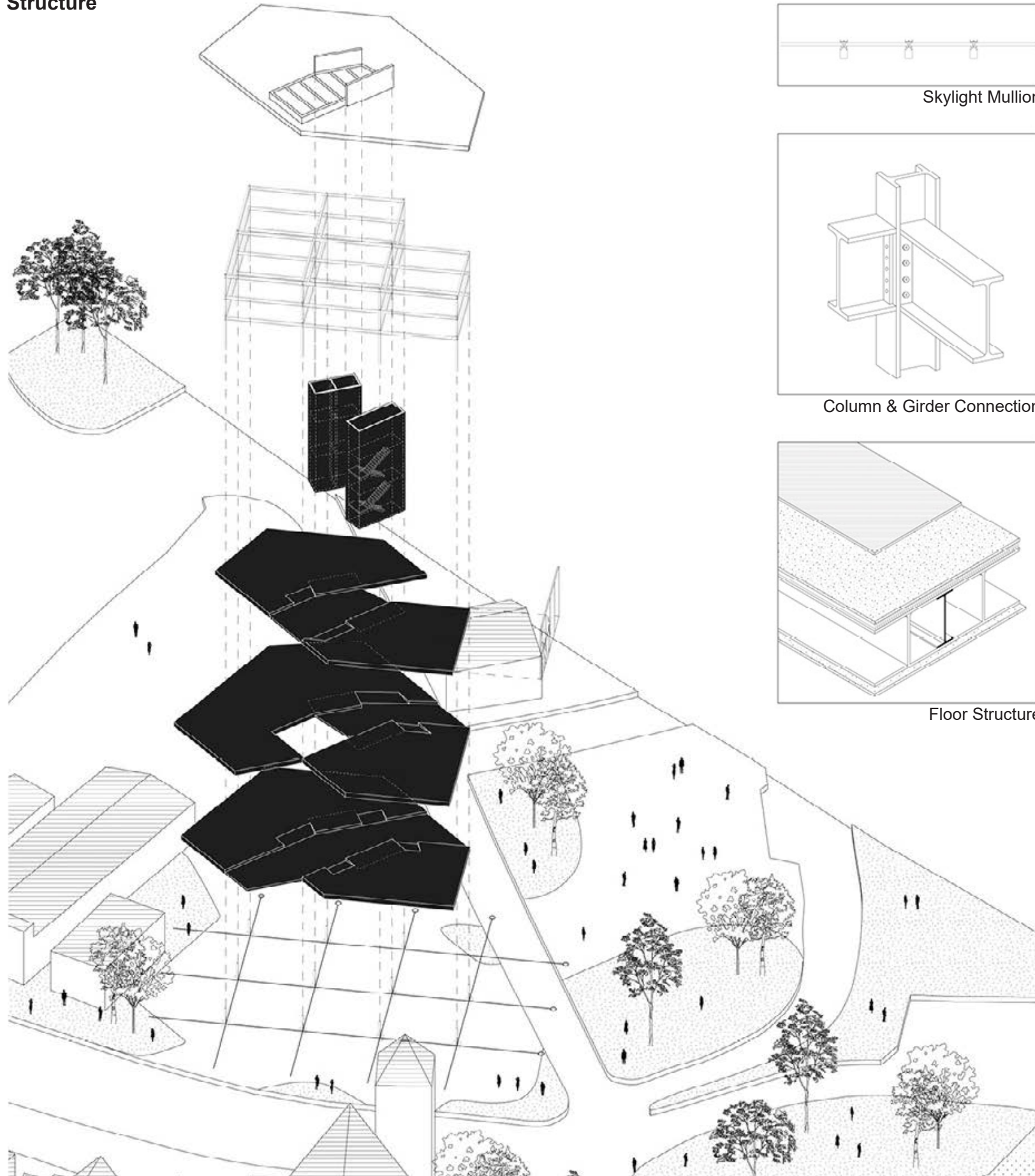
Section B



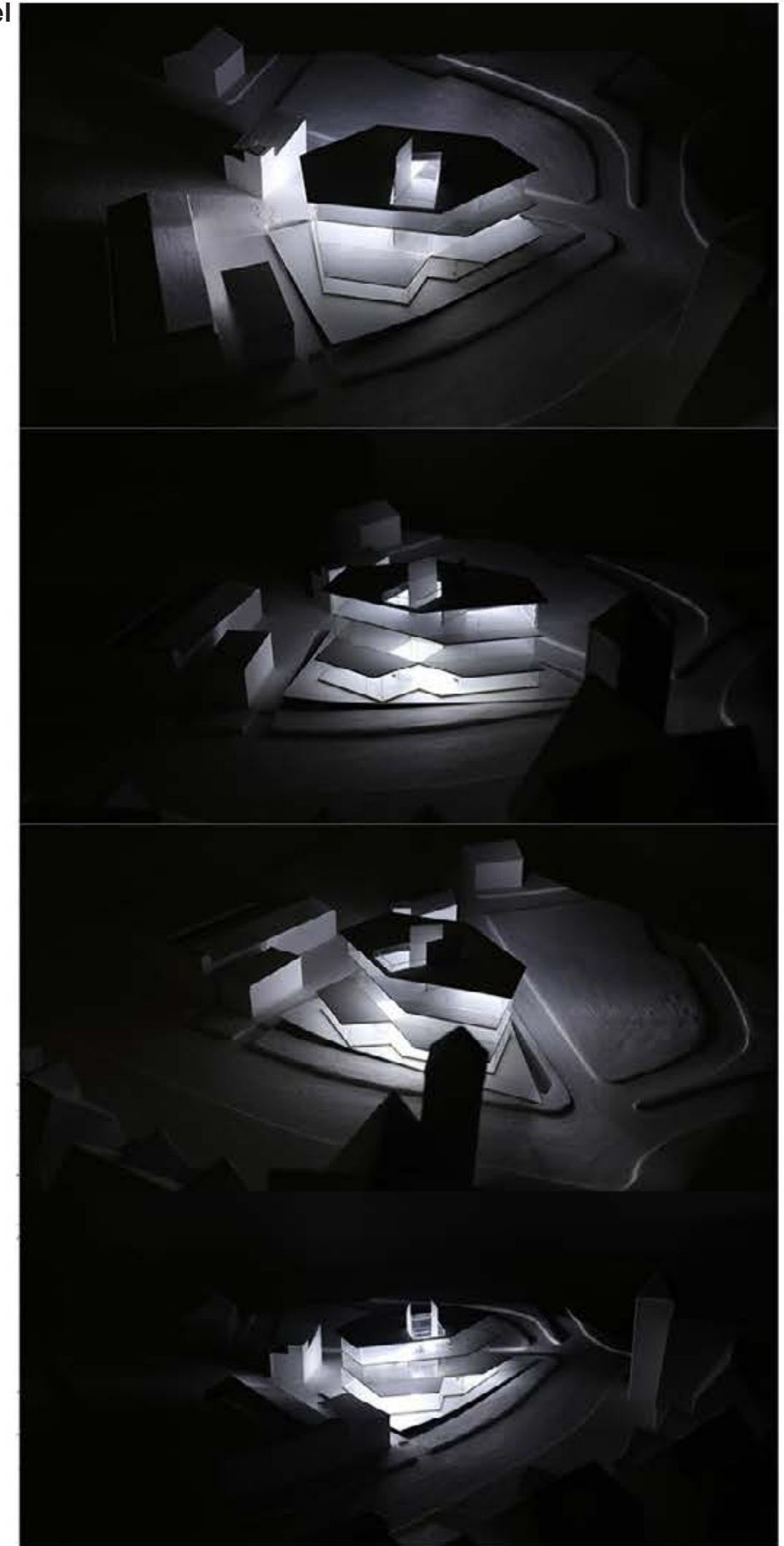
PROGRAM DISTRIBUTION

- | | | |
|-------------------|--------------------|-----------------|
| 1 South Entrance | 5 Egress 1 | 9 Bathroom |
| 2 North Entrance | 6 Information Desk | 10 Study Zone |
| 3 Elevator | 7 Atrium | 11 Digital Lab |
| 4 Mechanical Room | 8 Cafe | 12 Library Zone |

Structure



Final Model





// 05. The Pavilion /BUILT PROJECT/

_2024 SPRING

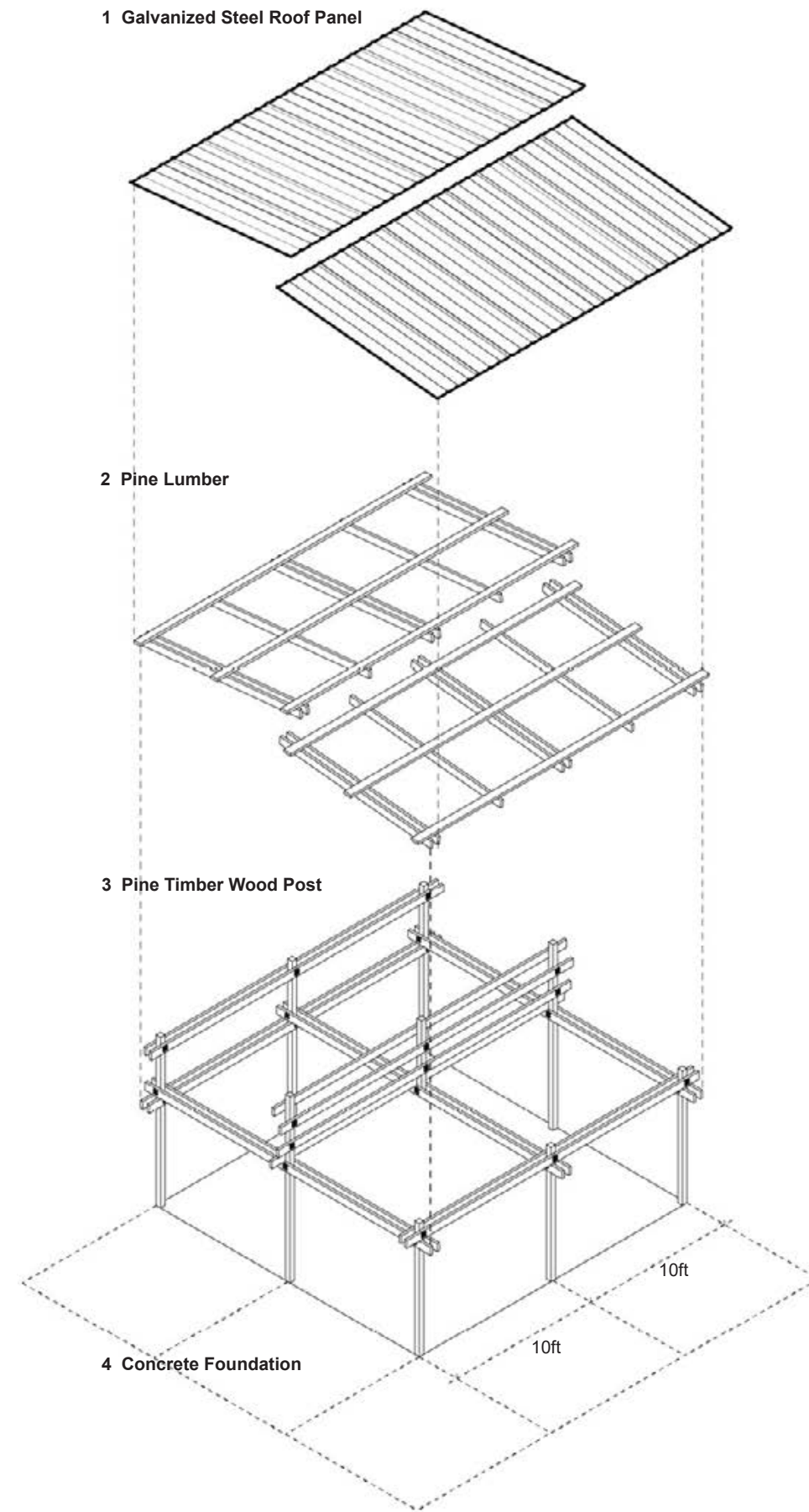
_Designer: Yue Lin, Emma Silverblatt

_Collaborators: Jiayu Su, Kewei Xu

_Construction Team: Close to Home Studio Team, the HomeDepot Construction Team, volunteers

_Location: Trumansburg, NY

The local community proposed a playground to bring new life and gathering spaces to Trumansburg's trailer park neighborhood. As part of this vision, the pavilion, designed in collaboration with Professor Emma Silverblatt, serves as a shaded, open-air retreat where residents can relax and connect. With its separated roof structure, the pavilion allows natural ventilation and shade, inviting cool breezes and soft light into the space. This structure offers a welcoming spot for rest and play, fostering a sense of calm and community within the playground.



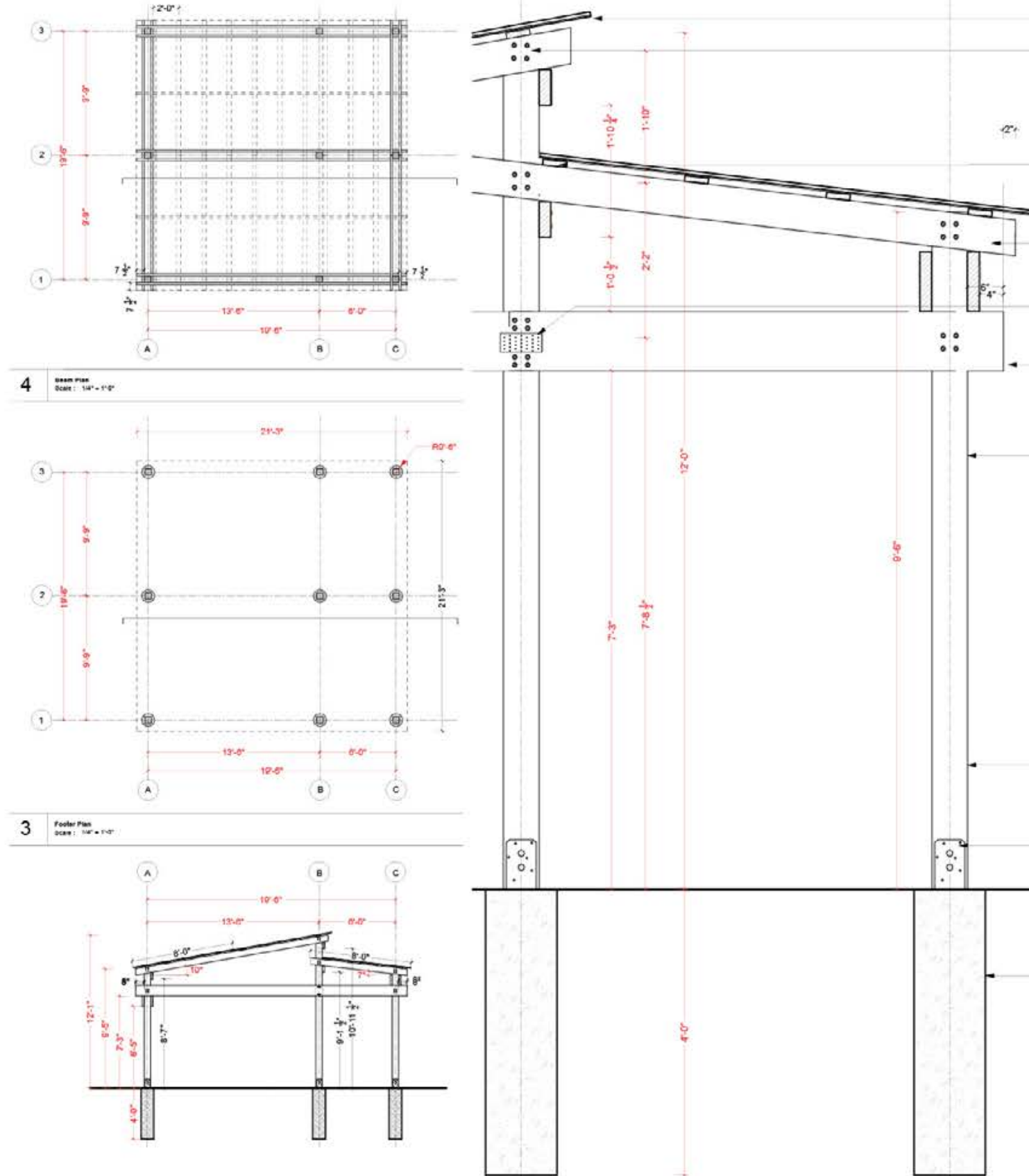
STUDY MODEL



CONSTRUCTION DRAWINGS

CREDIT: Emma Silverblatt

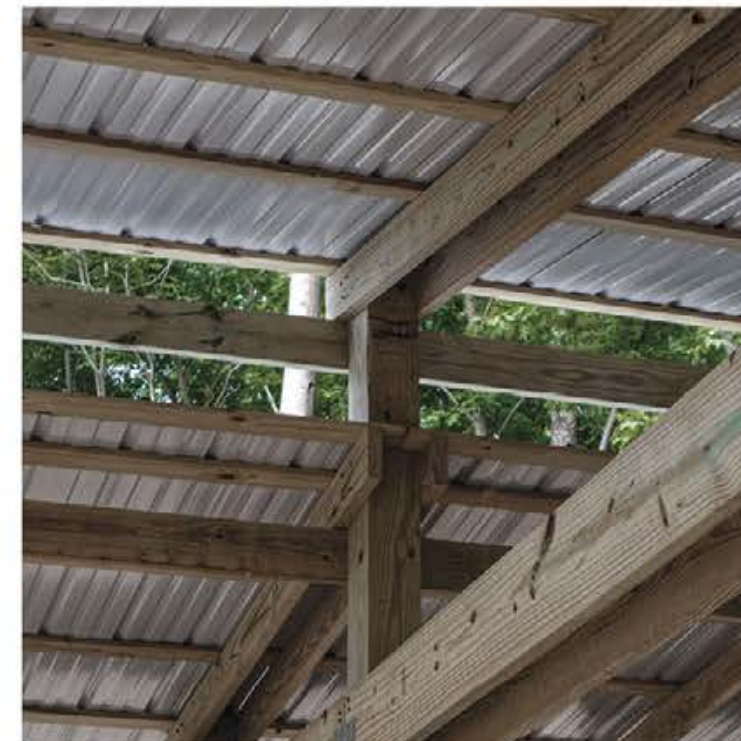
The final proposal was revised by the designer and studio instructor, Emma Silverblatt. In this revision, the two roof panels were adjusted to shear at different angles, with one panel extending longer than the other. This modification improves water drainage, ensuring more effective runoff while maintaining the original ventilation and lighting benefits.



CONSTRUCTION SITE

Credit goes to everyone involved in this project, including all collaborators, studio mates, and volunteers from Home Depot and the local community. Their collective efforts and contributions were essential in bringing this design to life.

Volunteers: the HomeDepot Construction Team, Local Community Members, 2024 Spring Close to Home Studio Members, Cornell University AAP Faculties



Work Sample // 01. Exhibition - Housing Innovation Lab

Location: Ithaca, NY.

Time: 2024.10

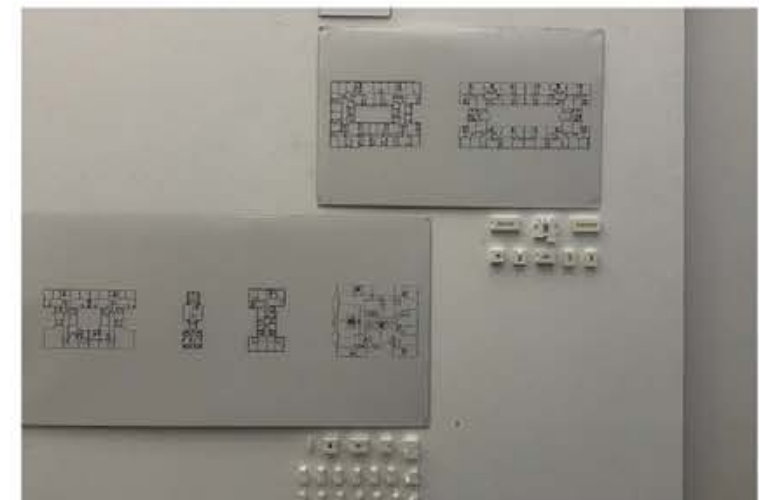
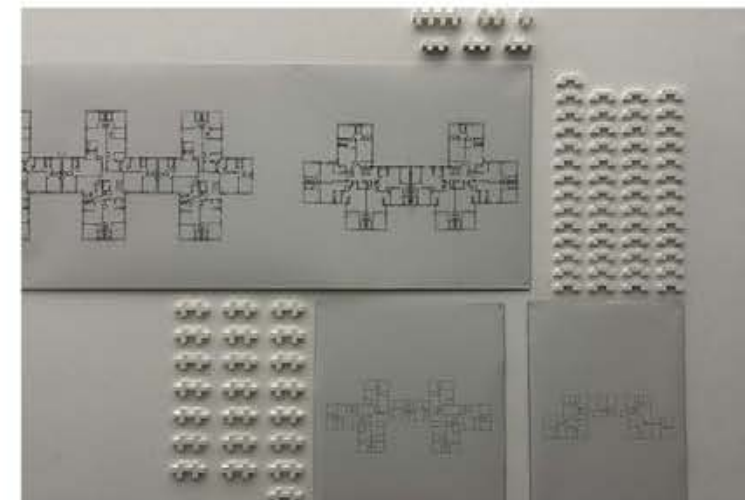
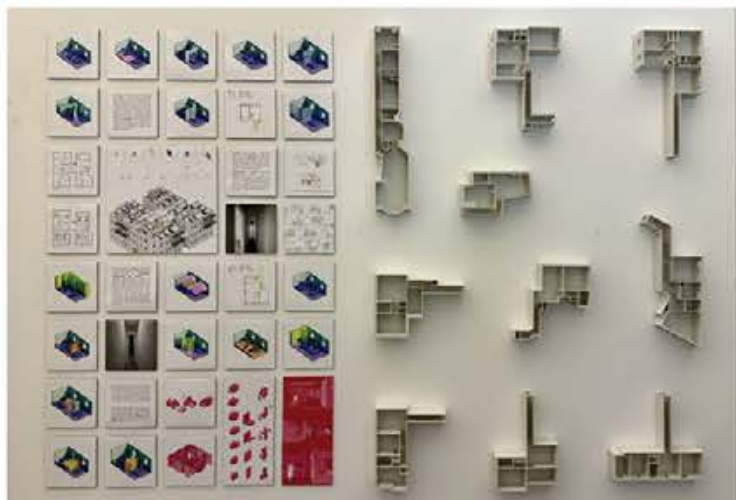
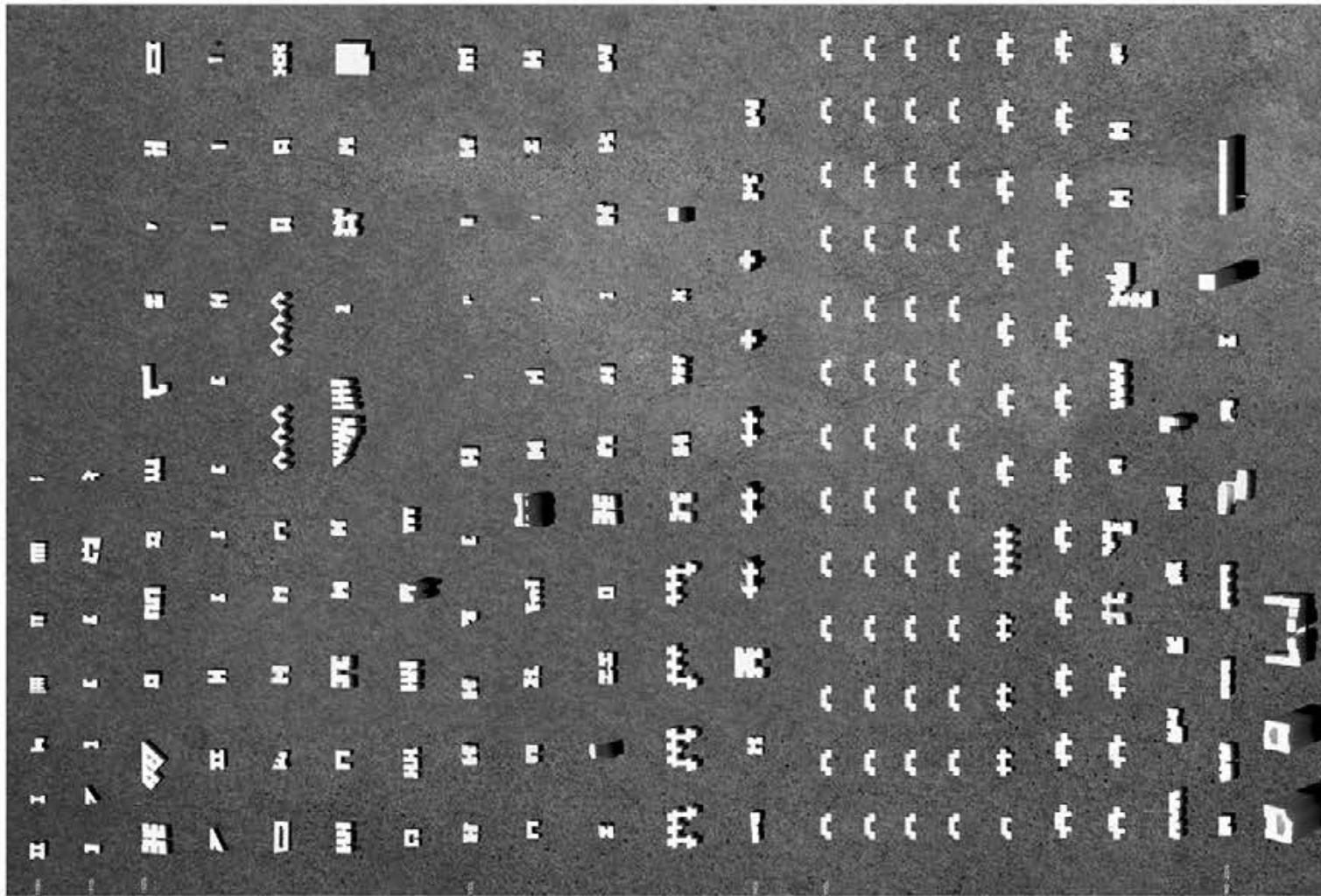
Duties: Model Making, Exhibition Setup.

Teams: Marcos Escamilla-Guerrero, Nathan Gach, Jaeha Kim, Jihoon Kim, Yue Lin, Angelique Meza, Justin Mortman.

Curators: Nathan Gach, Katharina Kral.

The exhibition examines 312 residential buildings across New York City, offering two perspectives: a typological and morphological analysis that deliberately isolates buildings from their context, and a functional, performative analysis emphasizing visual relationships, spatial versatility, and materiality in dense urban settings. These complementary studies aim to unpack the challenges and opportunities of a holistic retrofitting approach that foregrounds livability alongside sustainability.

Exhibition Documentation



Work Sample // 02. Exhibition - MUME Design

Position: Intern 2023.05 - 2023.07

Location: Tangkou, Guangdong, CHN.

Duties: Model Making, Drawings Preparation.

Teams: MUME Design Tangkou Office, MUME Design Qiandongnan Office.

Curators: Yu Ma, Guodong Chen.



Exhibition Preparation Documentation



Work Sample // 03. Documentation - MUME Design (Video published in review)

Position: Intern 2023.05 - 2023.07

Location: Qiandongnan, Guangdong, CHN.

Duties: Video Editing, Site Construction Documentation.

Teams: MUME Design Qiandongnan Office.

Leads: Yajie Lan, Yue Lin, Bihui Yang.

Intention of the Project

This video is dedicated to the carpenters of Qiandongnan, Guizhou, China. They are among the oldest carpentry communities in the country still actively building, designing, and practicing mass timber construction. Our team documents one of their ongoing projects from July 2023, tracing the story from drawing and design through onsite construction. The project is located in a village in the Qiandongnan region.

Construction Site Documentation



Travel Archives - Hand Sketches

