

**Ye Hu  
Hwang**

architecture  
portfolio

2024

# Ye Hu Hwang

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650-924-6904

## Education

**Pratt Institute** - Brooklyn, NY  
*Bachelor of Architecture*  
Construction Management Minor

## Achievements

**International Merit Scholarship**

Fall 2017- Spring 2024

**Ohilhong Foundation Scholarship**

Fall 2023, Spring 2024

**Michael Hollander**

**Drawing Excellence Award**

2020, 2023

**President's List**

Fall 2019, Fall 2022, Fall 2023, Spring 2024

**Distinguished Review**

Fall 2022, Fall 2023

## Softwares

Revit  
Rhinoceros  
Enscape  
Grasshopper  
AutoCAD  
Adobe Suites  
Illustrator  
Photoshop  
Indesign  
After Effect  
Bluebeam  
MS Office

## Skills

Korean (Native)  
English (Fluent)  
Fabrication  
Photography

## Experience

**Kohn Pedersen Fox (KPF)** - New York, NY  
*Architectural Intern*

June 2023 - May 2024

- Prepared Design Development drawings sets and presentation packages for a large scale mixed-use project, which includes three towers and a podium
- Coordinated with international offices, including KPF Hong Kong and local architects, to collect and develop the drawings.
- Prepared Design Development drawings for a large transportation project in New York City using Revit

**Pratt Institute** - Brooklyn, NY

*Robotics Shop Monitor*

*Computer Numerical Control (CNC) Shop Monitor*

*Pratt Interdisciplinary Technology Lab Technician*

Fall 2019 - Spring 2020 / Fall 2022 - Spring 2023

- Experiment with ABB Robotics machines to run different operations such as routing, extruding clay and plastic, hot wire cutting etc.
- Responsible for reviewing NC files and operating CNC machines.
- Responsible for operating IRB 2600 and IRB 140.
- Responsible for operating the ZUND machine.

**Freelancer** - Seoul, South Korea

*Design / BIM Modeling*

April 2022 - September 2022

- Worked on several residential buildings from schematic design to design development for a private client. Utilized BIM using Revit.

**Shinsegae Property Inc.** - Seoul, South Korea

*Design Intern*

July 2020 - September 2020

- Worked under the design department to review and approve the storefront designs inside a newly built mall.
- Assisted in overseeing the progress and schedule of the interior construction of the mall, and communicated with the shops and sub-contractors to deliver the project on schedule.

**Assistant Executive Administrator  
to the Eighth U.S. Army Commanding General**

*Eighth U.S. Army - Camp Humphreys, South Korea*

October 2020 - April 2022

- Assisted the Commanding General of the Eighth U.S. Army in administrative scope.
- Served as a squad leader, supervising 11 peer soldiers.
- Awarded Army Commendation Medal.

### Park Your Civic



### Reduce Reuse Create: Plastic Community



### Old Town Mall: Bridging through Scaffolding



### 56 Gold Street



### Yang Pyoung House



### CRL Center Dongguan



# Park Your Civic

Emergency Housing / Civic Center

City of Bucha,  
Ukraine

Group: Valeria Bardi Cohen + Sinan Basaran

Instructor: Ajamal Aqtash + Richard Sarrach



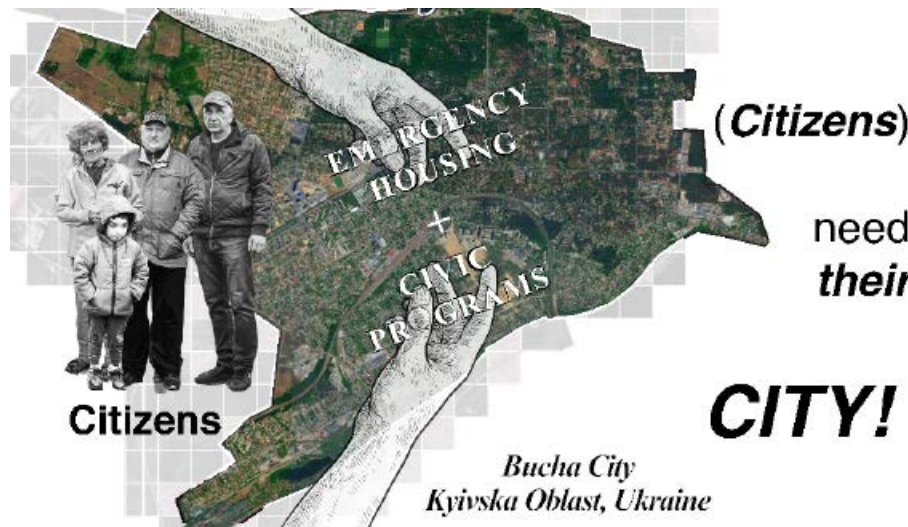
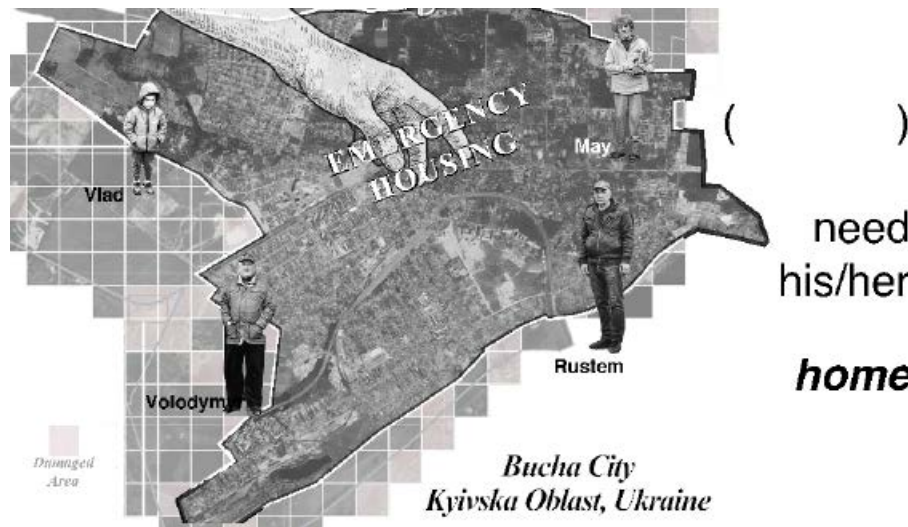
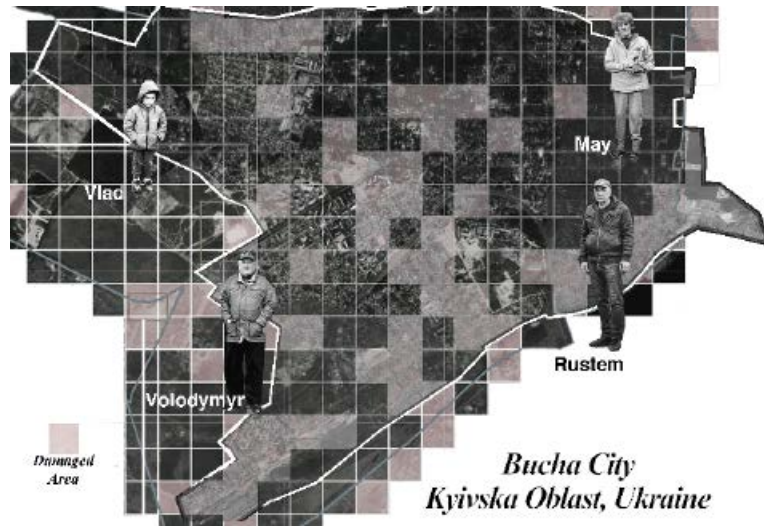
**Yes Housing,  
But**

Every once in a while, cities around the world faces a disaster and often organizations send emergency housing for the people who lost their homes. It is not any sort of new type of response from the world to the recently devastated area.

However the question is *“is it only housing that they need?”* What are other activities and spaces the people have lost? What about park, school, market, gym, religious congregation, etc. Can some of these civics be deployed like emergency housing?

Located in Kyivska Oblast, Ukraine, the City of Bucha was once home for more than 40,000 citizens, but many of them have migrated to find safer “shelter” since the invasion of Russia. To respond to the Ukrainian Government’s search for ways to bring its citizens back to their “home,” our team had to expand our perspective of emergency housing to promote a recovery and an empowerment of the city, the community, and citizenship.

*It is not only the emergency housing, but the civic life the citizens must regain.*



**Transience  
vs  
Permanence**

What does a life cycle of emergency housing and a civic center look like? How can one imagine the afterlife of urgently deployed temporary housing? How can temporary housing continue to be in use after their duty is done?

In the mixture of emergency housing and civic center, the nature of transience and permanence co-exist. Emergency housing temporarily serves the refugees until their houses and “homes” have rebuilt and will be dislocated into another site, where it is needed. In contrast, the civic center remains as a permanent structure to continue to serve the community.

Thus the structure and the role of the project changes over time. However, we envision the civic role of this project to be a part of the citizen's memory that promoted the community during their tragic times, and continue to be a part of community that promotes the community.

# Unit

Our team categorized five different types of units to accommodate various types of household: couple, mom + child, mom + multiple children, a group of young adults, and finally mom + children + grandparents. This unusual categorization was appropriate considering the state is in active warfare, with most men joining the military to defend their countries. Each unit have pre fabricated kitchen and bathroom installed and bump outs depending on their need.

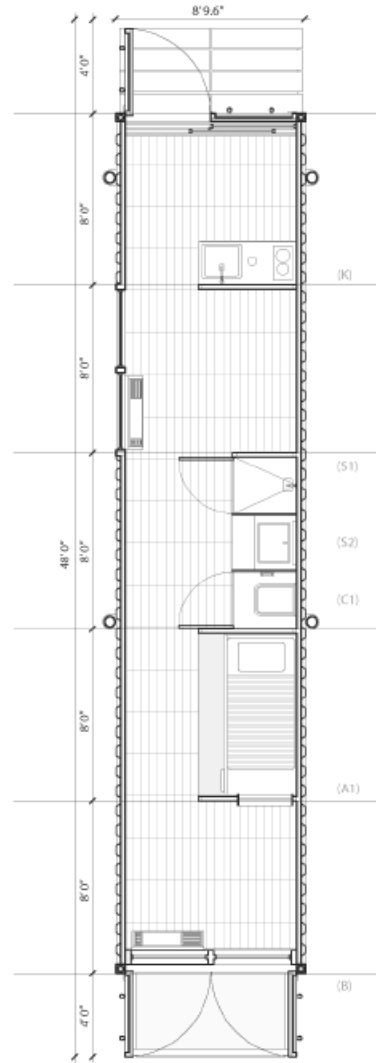
Shipping containers, with its abundance in supply due to the decrease in trade during COVID-19, were great ingredient to deliver urgent housing issue. However, shipping containers are narrow and unlighted, making them not desirable for human residence. In order to increase the quality of the space and the condition of shipping containers, our team utilized “bump-outs.”

These bump-outs acted as additional space for the occupants while strengthening the shipping containers through their own structures. In an absence of bump-outs, a large window replaces a bump-out to bring more natural light into the units, and can be used as balconies as well. The “bump-outs” are packed into the shipping container during the process of delivery and will be unpacked on the site.



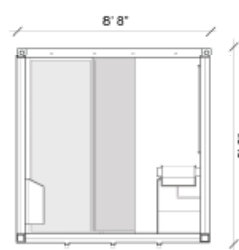
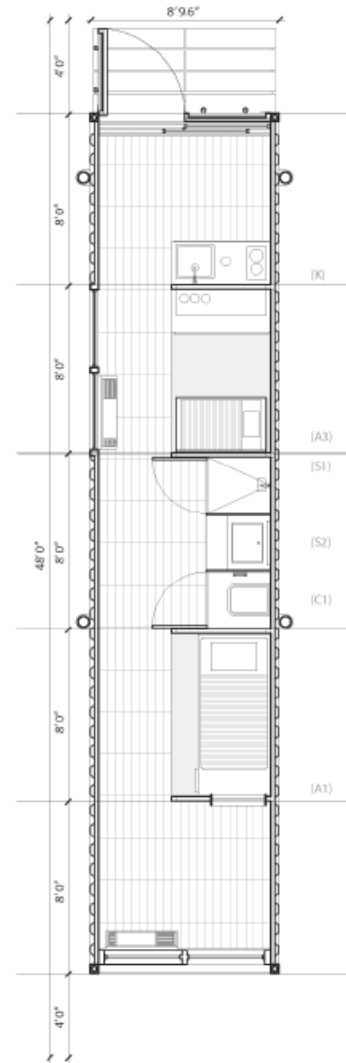
Interior Perspective

**UNIT TYPE A**  
(COUPLE)  
**320 SF**



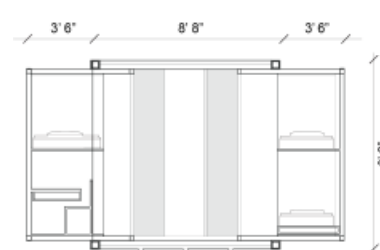
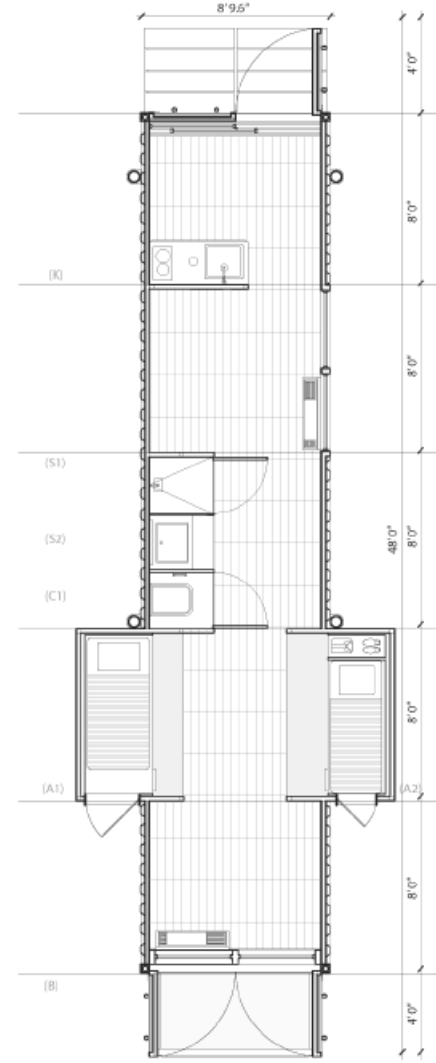
UNIT A

**UNIT TYPE B**  
(MOM + SINGLE CHILD)  
**320 SF**



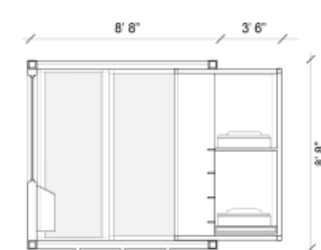
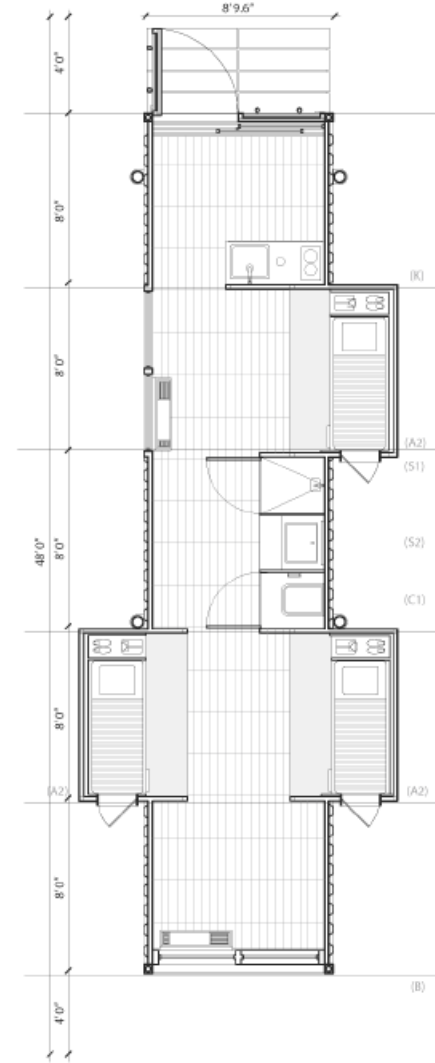
UNIT B

**UNIT TYPE C**  
(MOM + 2 CHILDREN)  
**400 SF**



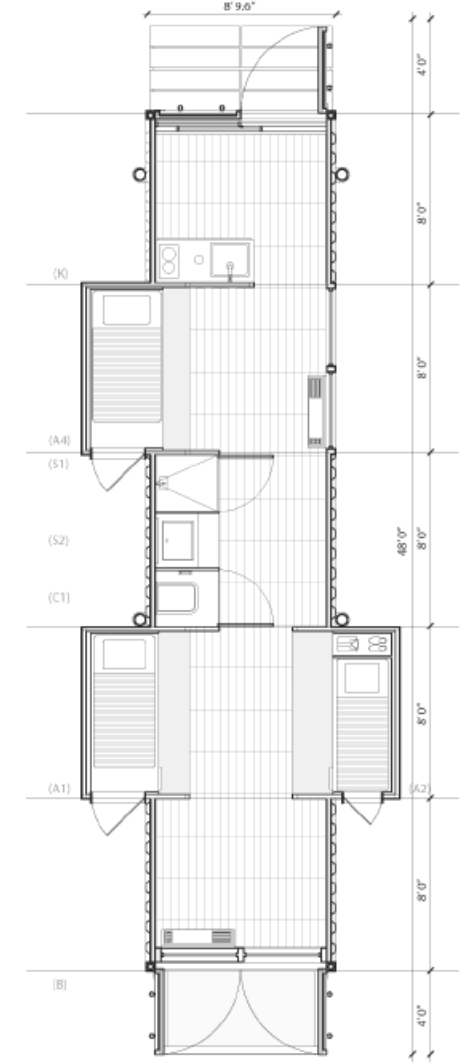
UNIT C

**UNIT TYPE D**  
(YOUNG ADULTS)  
**410 SF**



UNIT D

**UNIT TYPE E**  
(MOM + 2 CHILDREN + GRANDPARENTS)  
**440 SF**



UNIT E

Plan

Section

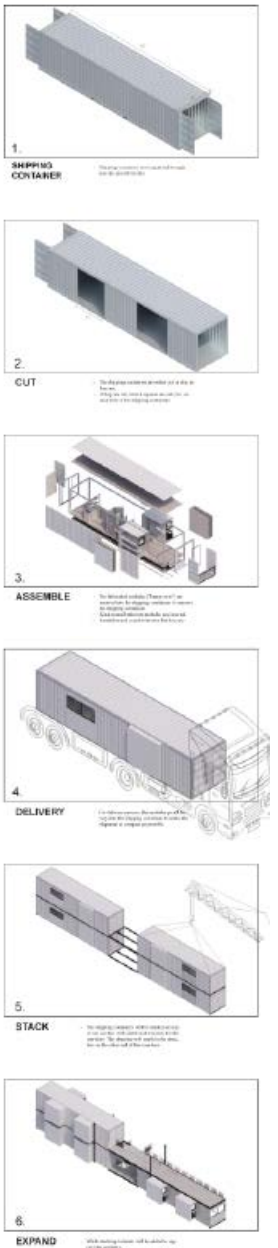
# Residential

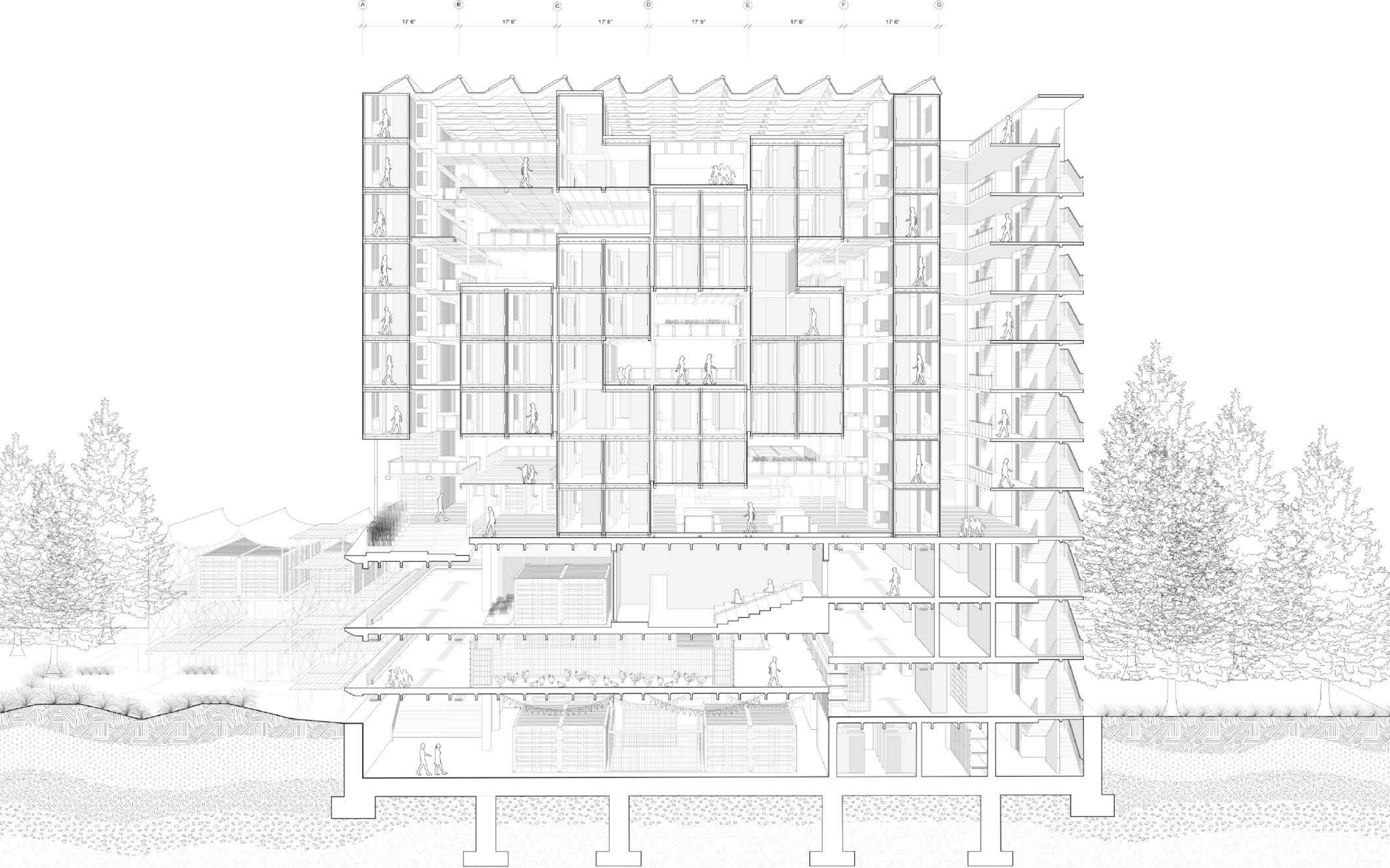
Utilizing structural capability of shipping containers, our team not only stacked the containers on top of each other, but also create corridors out of pre fabricated decking system to make communal spaces for the residents. The flexibility of the floor plan could be achieved through this system, allowing the project to have amenities such as classrooms, gym, barbeque area.



Residential  
 Unit A  
 Unit B  
 Unit C  
 Unit D  
 Unit E  
 Communal Dining Area  
 Communal Living Area  
 Service

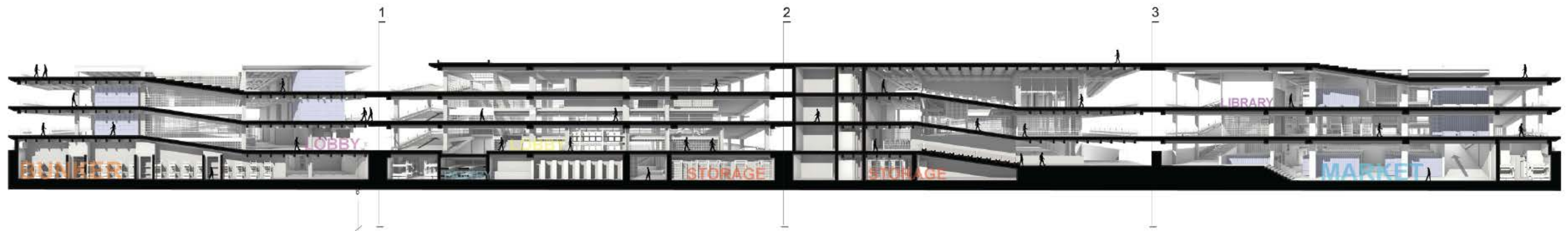
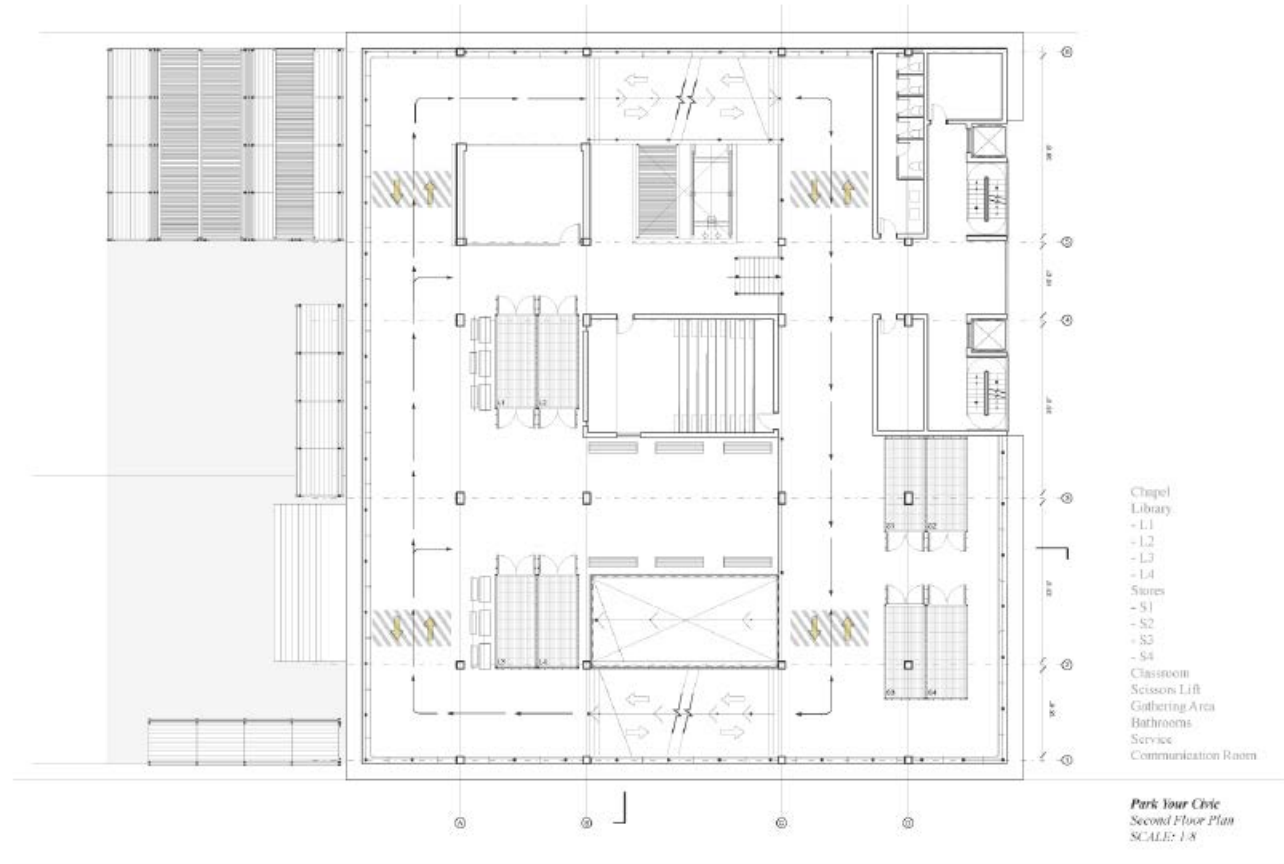
*Park Your Civic*  
 Sixth Floor Plan  
 SCALE: 1/8





# Civic Center

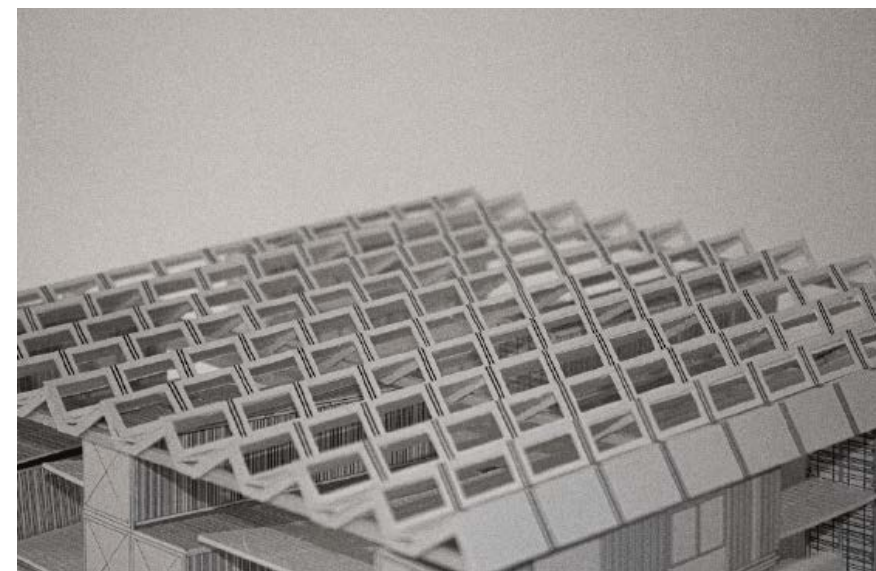
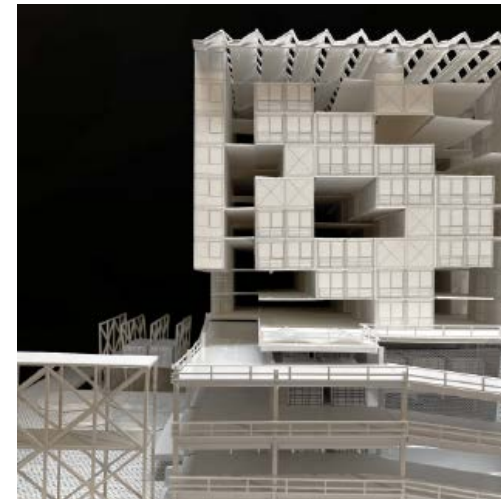
The civic center located on the bottom of the residential units serves the residents as well as the local community. Utilizing the structure of pre-fabricated parking garage, the civic center also aims for a quick deployment to Bucha. The idea of parking, which the function activates through the users, applies to the civic center as the local community and the residents starts to bring in their civic life inside the project. Shipping containers will be “parked” in designated spots, whether the function of the container is pharmacy, library, shoppes, etc. The only “fixed” built environment would be the chapel, to bring people together in congregation for their religious activities.







*Park Your Civic is a combination of banalities: shipping containers, deckings, parking garage, scaffoldings. Nevertheless, the banalities were what made the project special: providing the citizens a platform to reinvigorate their civic life to regain their community and the city.*



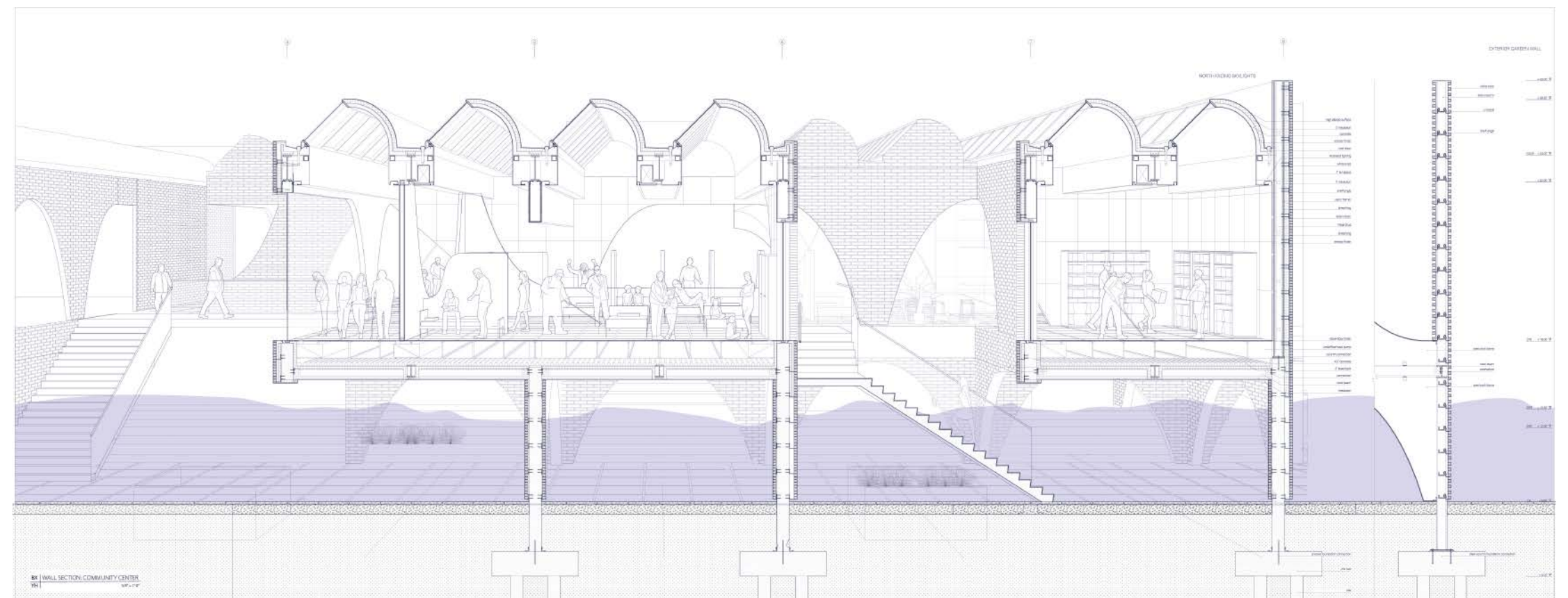
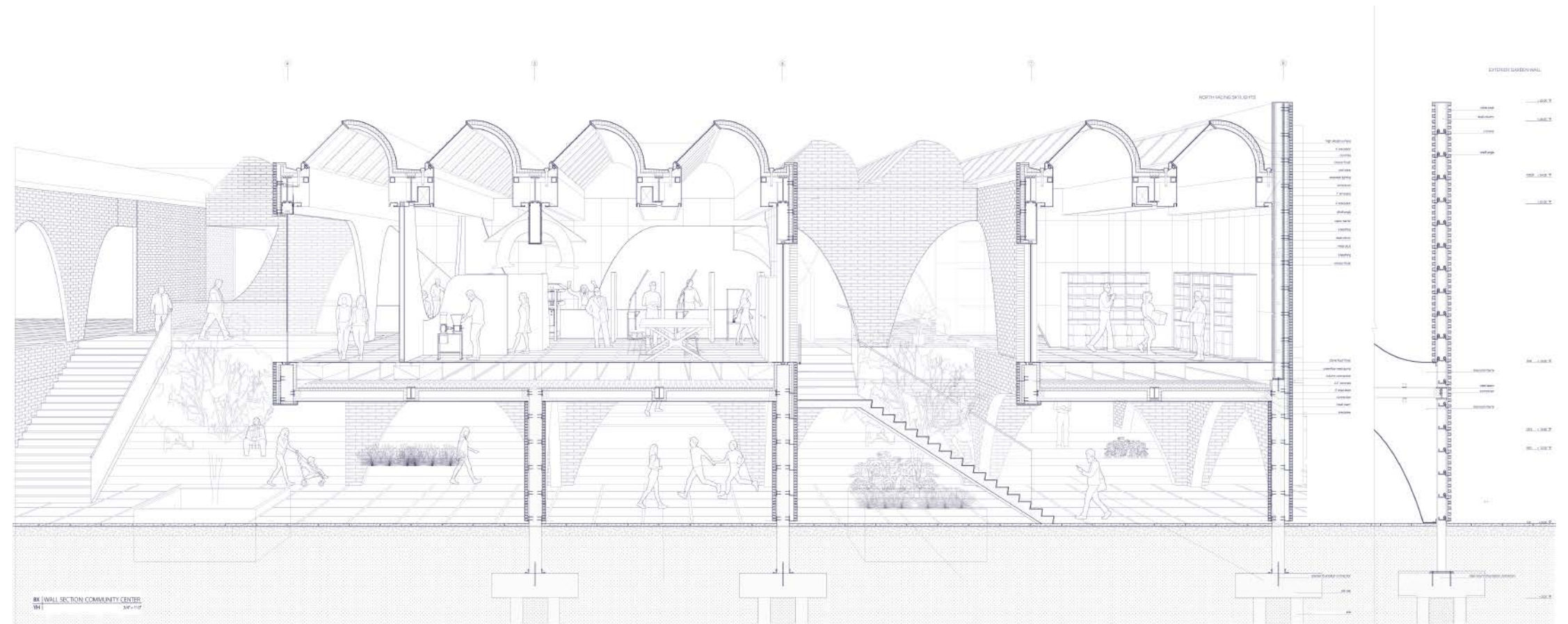
**Reduce  
Reuse  
Create:  
Plastic Community**

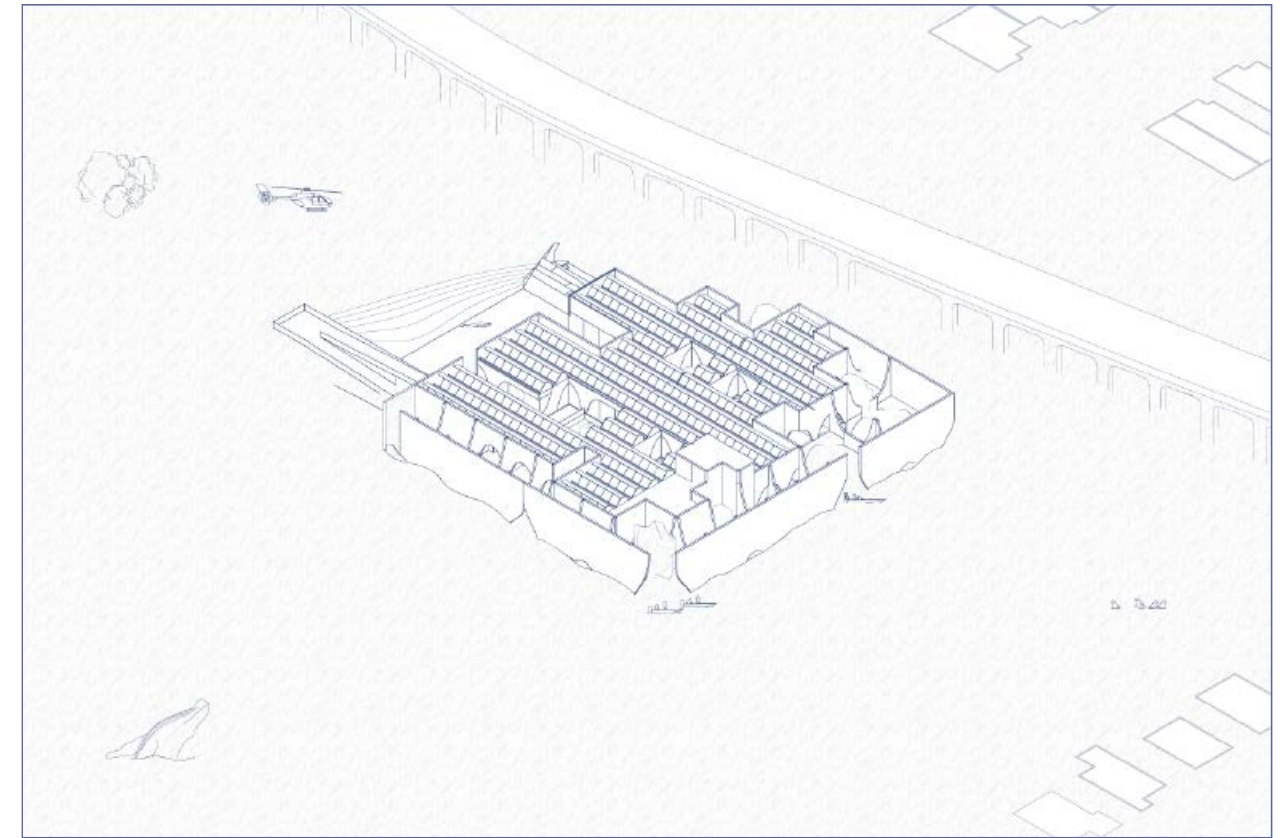
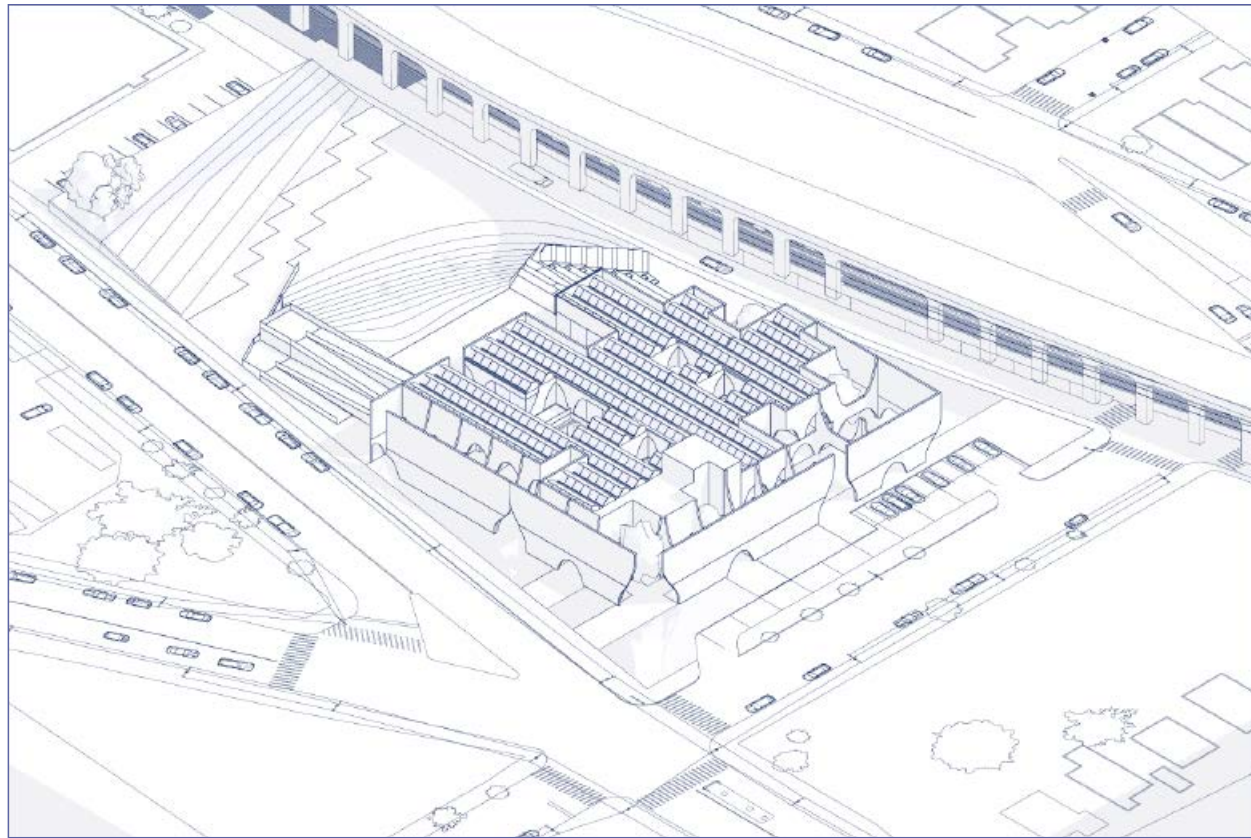
Community Center / Emergency Shelter

300 Beach 62nd St.  
Brooklyn, NY

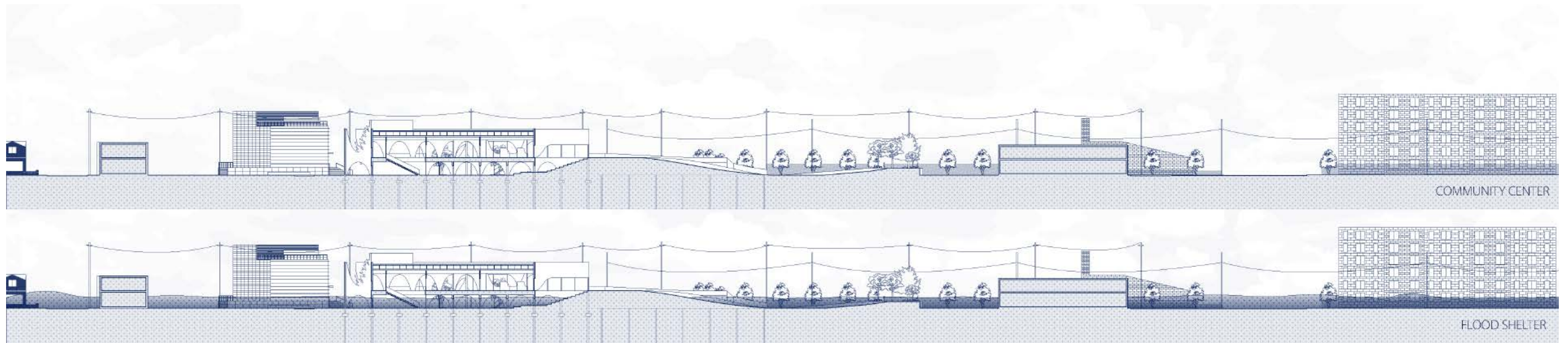
Partner: Bia Xavier

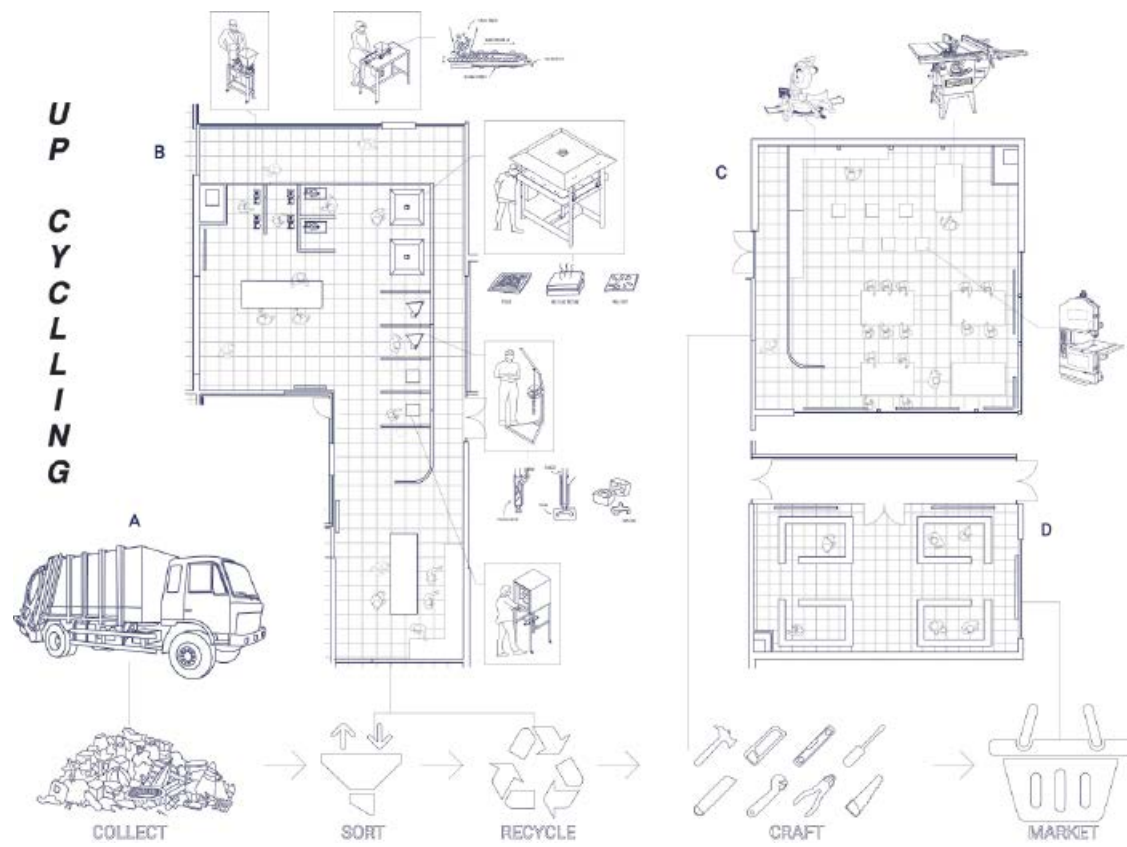
Instructor: Andrew Lyon



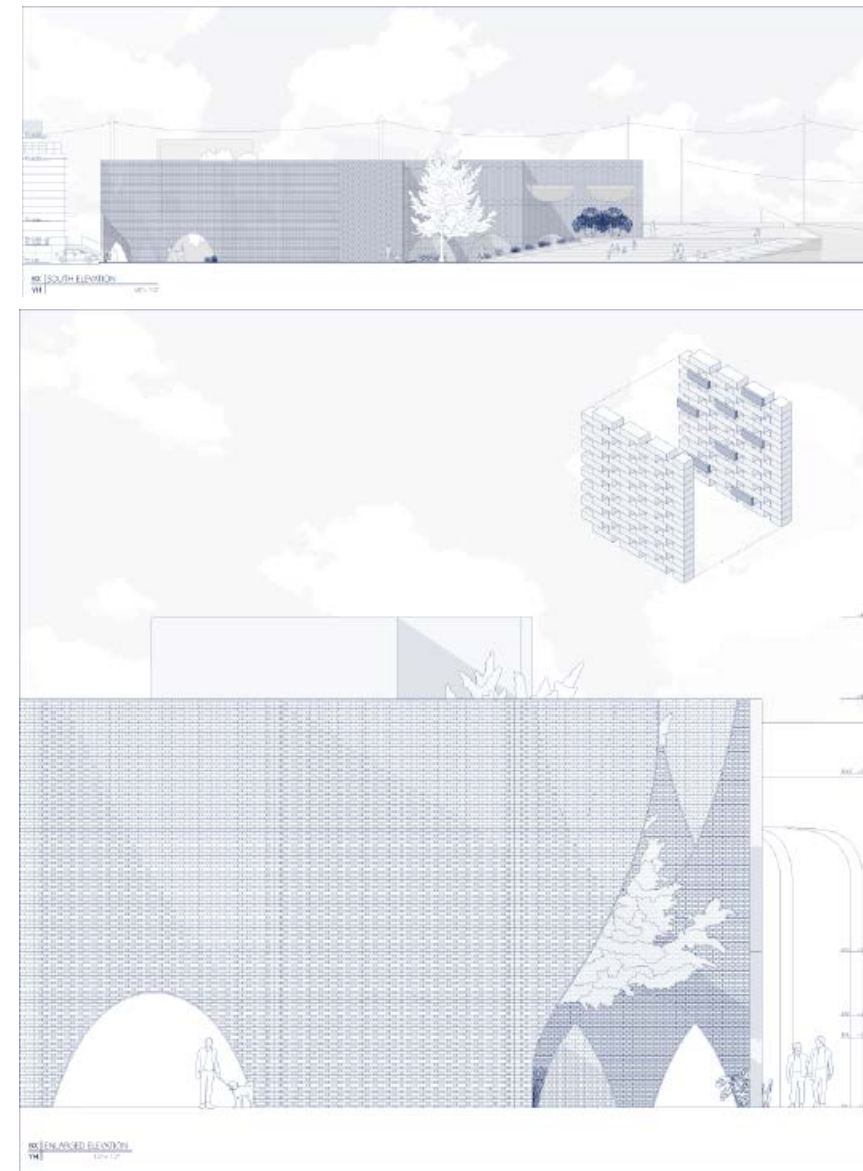


Plastic Community is a hybrid response to our current climate crisis. This project provides a new community center to respond to the increase in plastics in our ocean through the reuse of consumer plastic. Simultaneously, the project also responds to climate emergencies by transforming into an emergency shelter during climatically driven storm events, creating a beacon for the neighborhood to ride out the storm. Thus Plastic Community is a project that protects our community and climate by reconsidering the longevity of throwaway plastic.



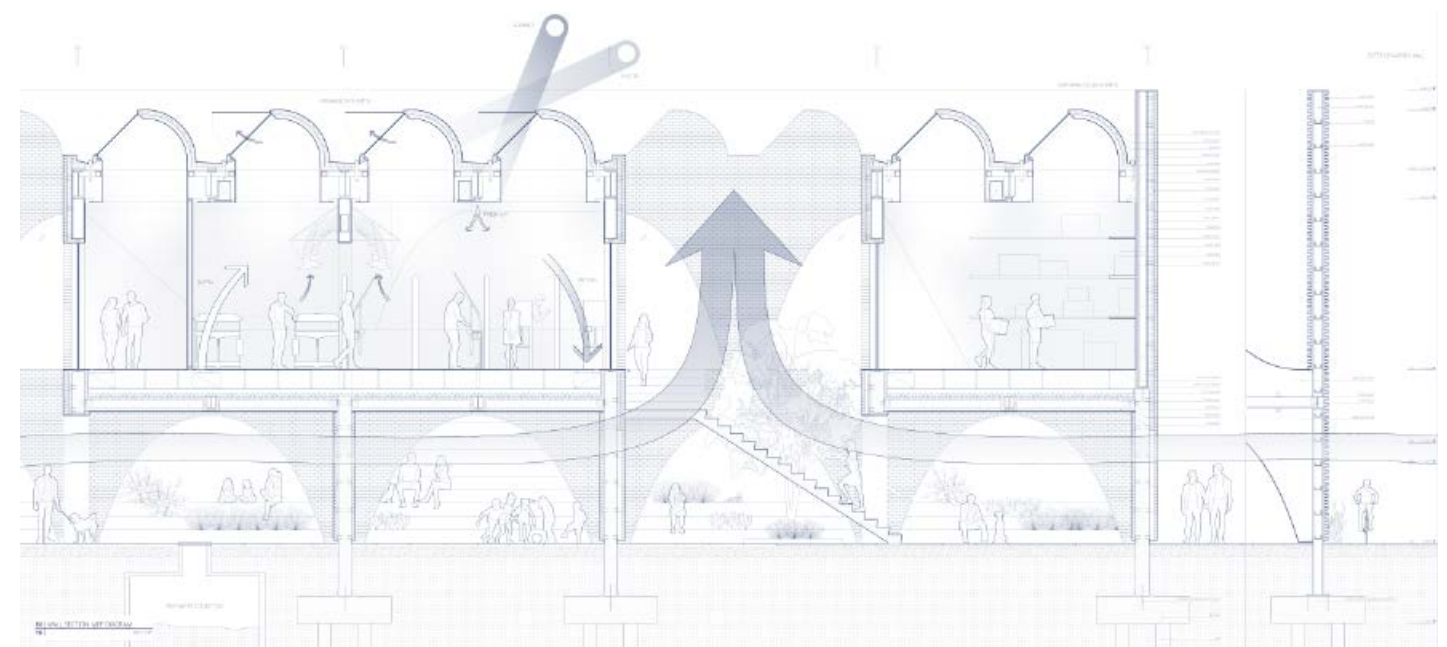


Plastics litter the neighborhood and site's immediate vicinity. Non-Profits, including our client RISE, clean up the shore through volunteer programs. Our project proposes a daily routine of upcycling, creating crafts out of littered plastic collected by these organizations. To support these efforts, Plastic Community acts as a new art studio center using specialized facilities for the repurposing of plastic and it's recreation as raw input for industrial design, art or new long lasting products. As a result, the project encourages community engagement in environmental action through the upcycling process.

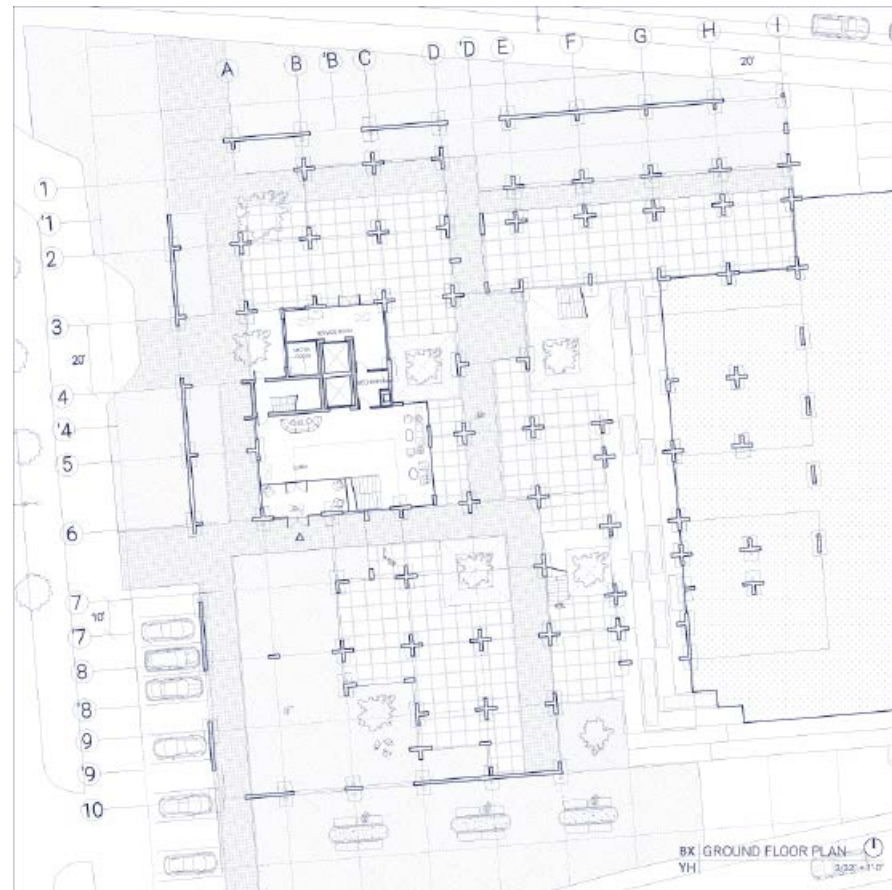


The building is clad in white brick, which faces all of the extended walls in the project, and the interiors are made up of stone walls and stone floor tiles. Specific openings in the outer wall indicate entrances into the project from strategic community points, such as the subway, the road intersection, and the underside of the subway line.

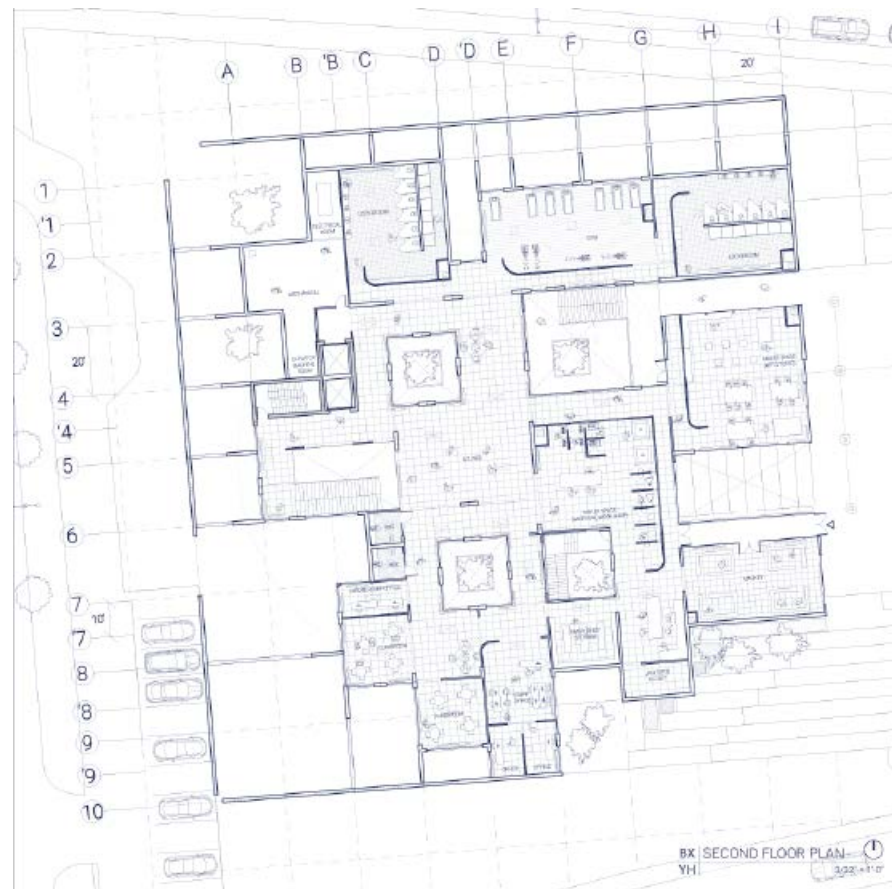
The outer wall is made of perforated brick. It is a solid wall that delineates the profile of the boundary and make the contained exterior feel protected, yet have connections to the public. In detail, they are composed of three layers of perforated bricks which one of them are transparent plastic bricks, which is the main material for our crafts. They emit their color when light passes, and emit them on to the white bricks.



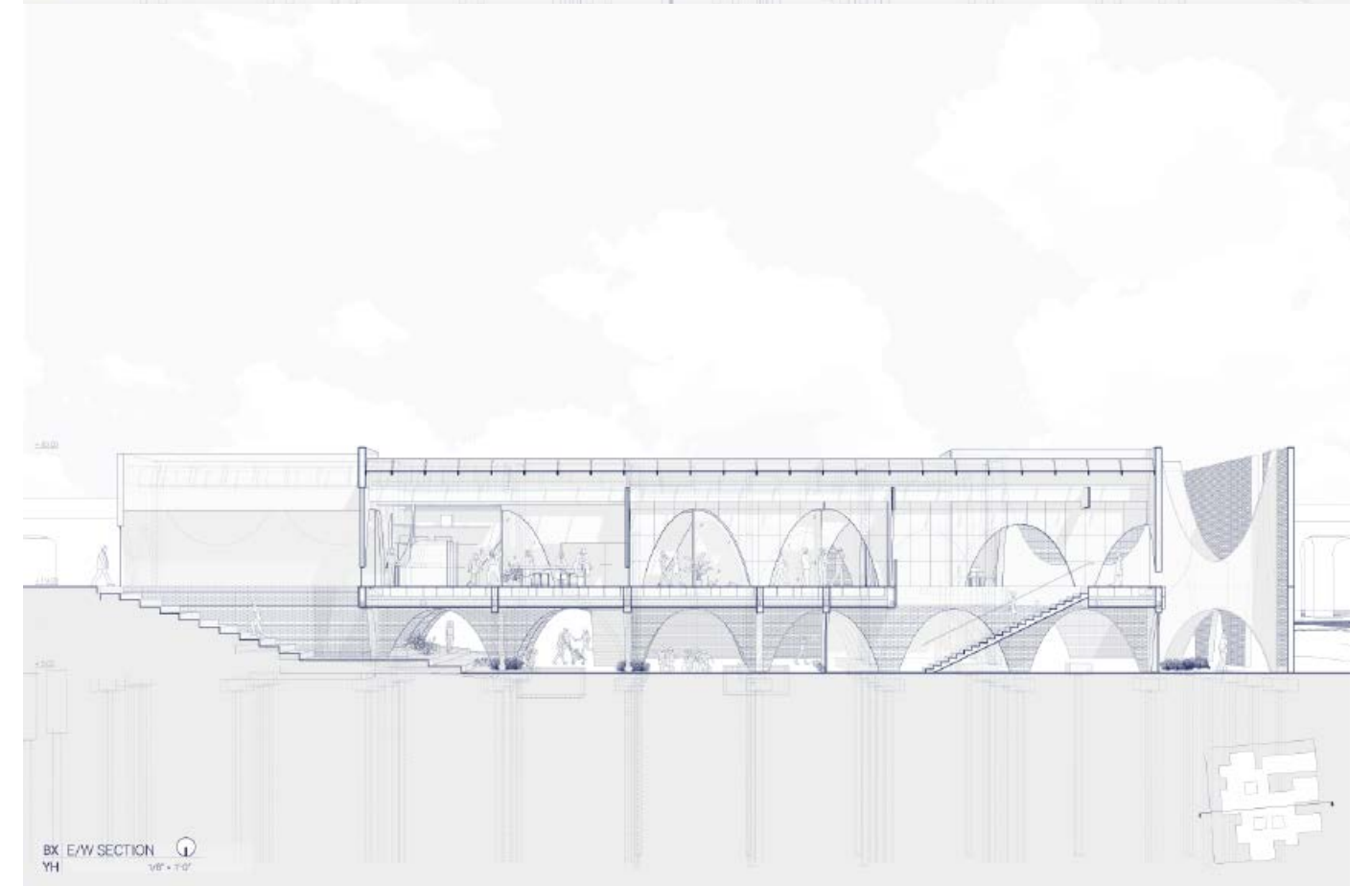
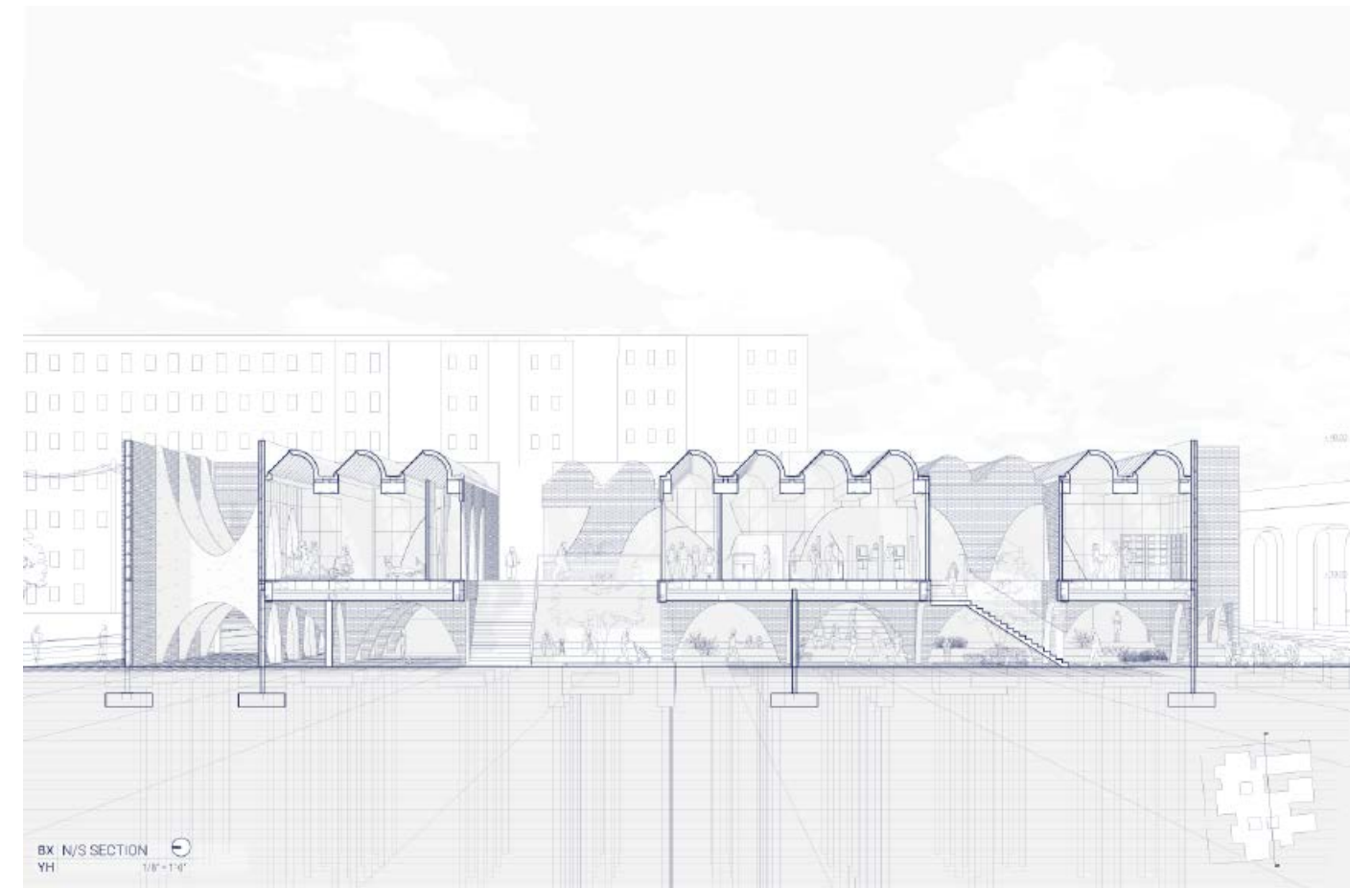
The center is created based on a program layout distributed within a 20x20' grid, formed by a system of intersecting walls that occupy a rigid boundary. The space in between the building profile and the boundary line creates a buffer space (transition) that layers the experience of approach to the building into three phases: exterior, contained exterior, and interior. The flexibility of the wall types enables the building envelope to establish the building as a system rather than a solid object. Ground is defined by paths that lead to courtyards - light shafts for the open first floor

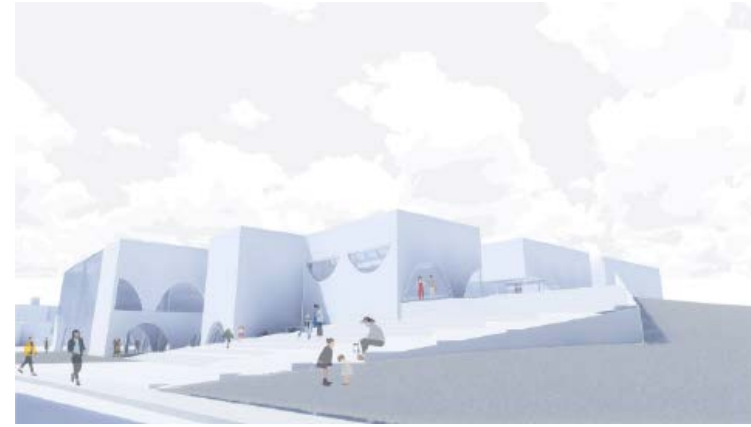
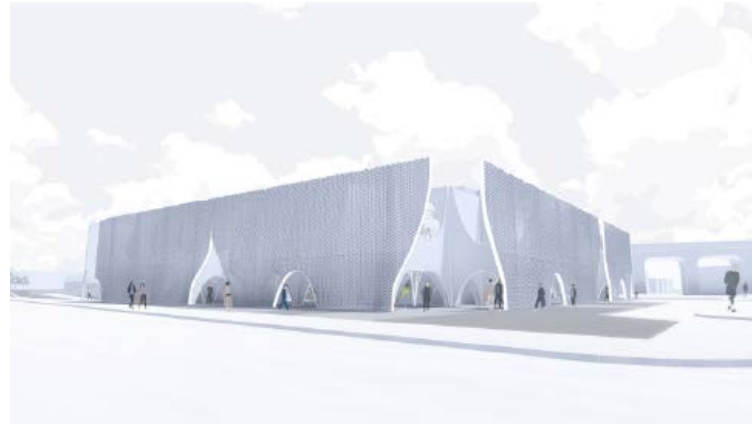


The programs orbit around the central lounge area that is flexible for presentation, exhibition, or any community activity made at the request of our client, RISE. Furthermore, programs orbit around courtyards on a smaller scale, creating circulation around the punched courtyards. Our art/ reuse & recycle program required us to split the "maker spaces" within the project into two categories: the art workshop, and the material processing workshop.

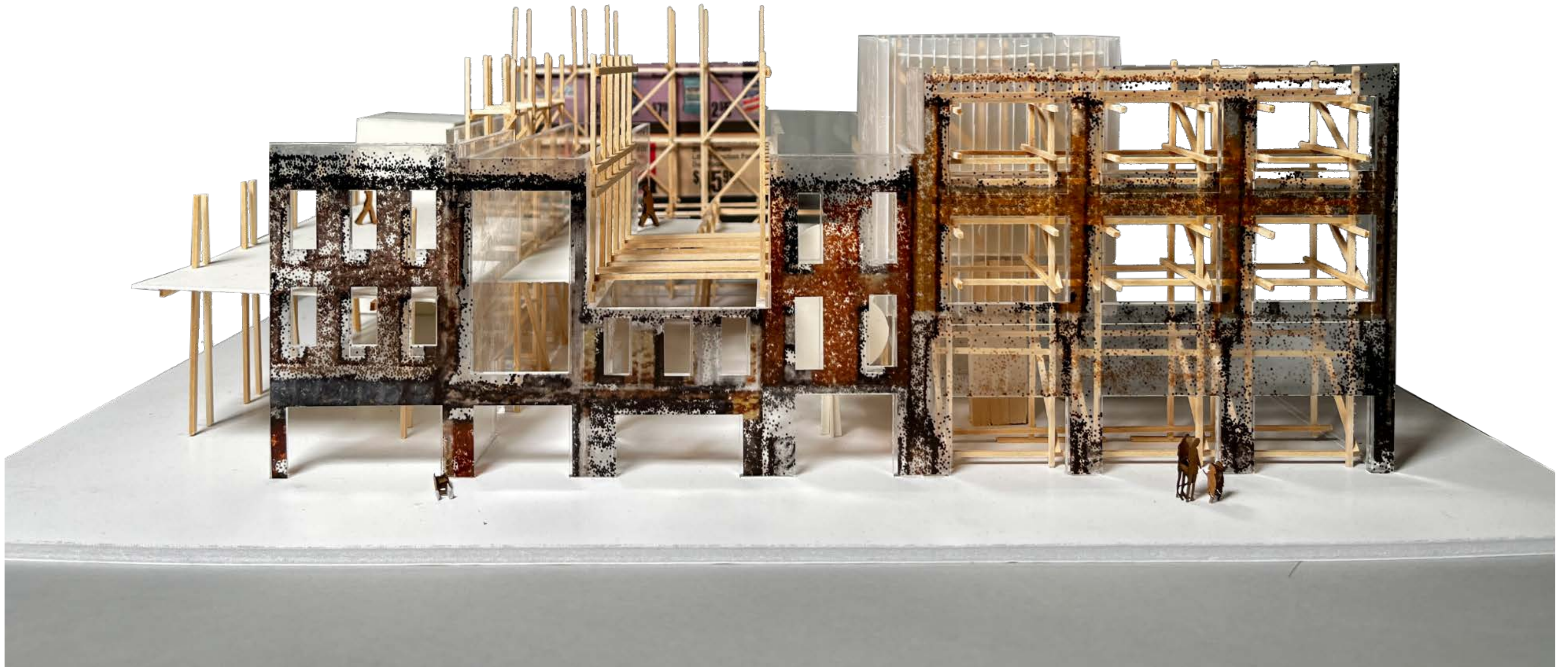


The art workshop includes standard workspaces and tools for craft making, with a requirement for consistent and even lighting that is fulfilled by the skylights running through it. On the other hand, the material processing workshop includes different tools and machines for the basic manipulation and processing of safe plastics, which have high ventilation requirements.





**Old Town Mall :** Adaptive Reuse / Community Engagement  
**Bridging through Scaffolding** Old Town Mall, Baltimore, MD  
Instructor: Jason Lee



## *Old Town Mall*

The project aims to gradually emerge with the community's engagement to re-imagine and revive the abandoned Old Town Mall in Baltimore. Many current development of ghost towns are radical. A developer finds a property; plan; build; then, present to the neighborhood with a complete package. However, the neighborhood's dream, comfort, and necessities vanish with it.

So how can a development be more community friendly? Even if it takes long and unprofitable, how can a new development become just the right fit for the existing people?



Photogrammetry of the Existing Facades



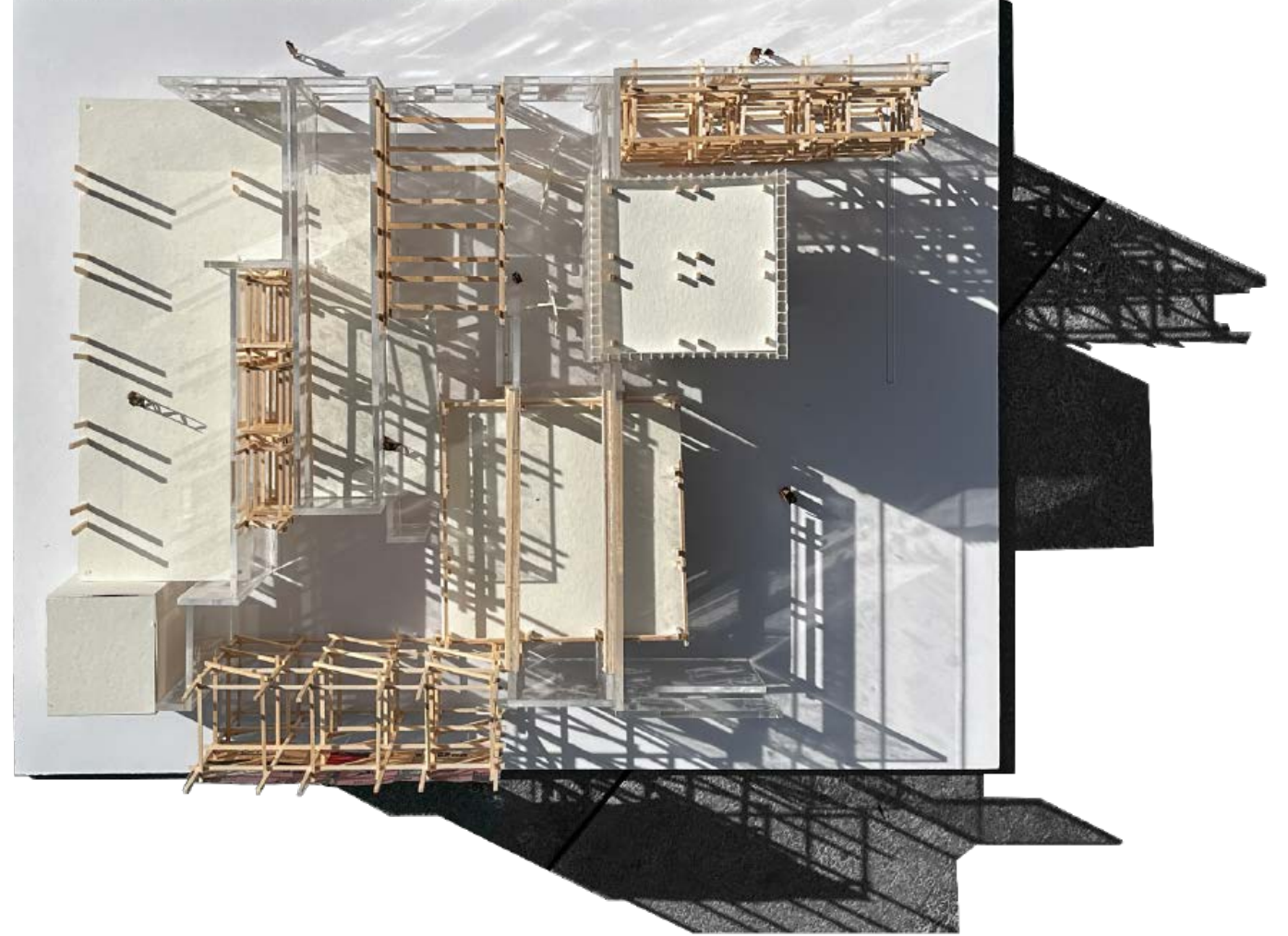
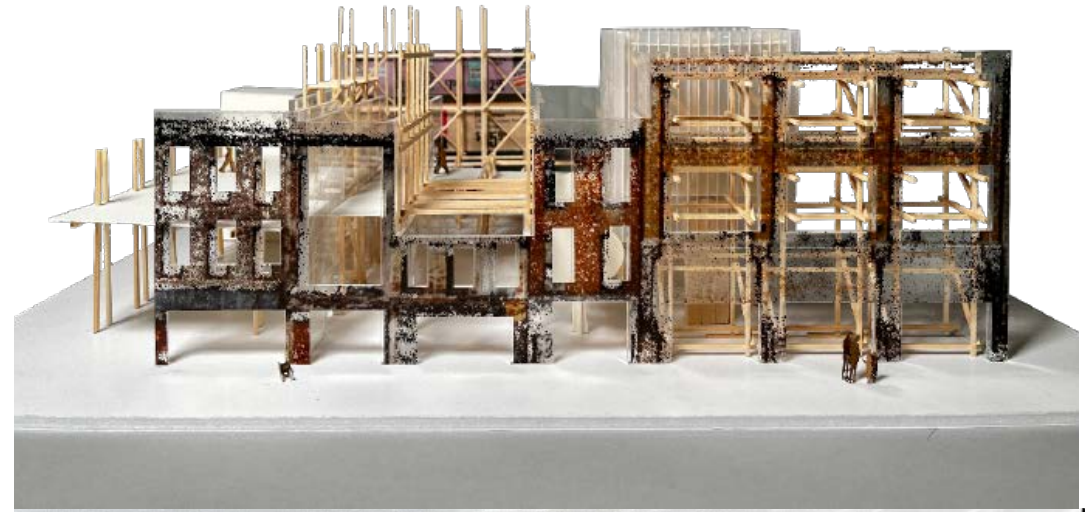
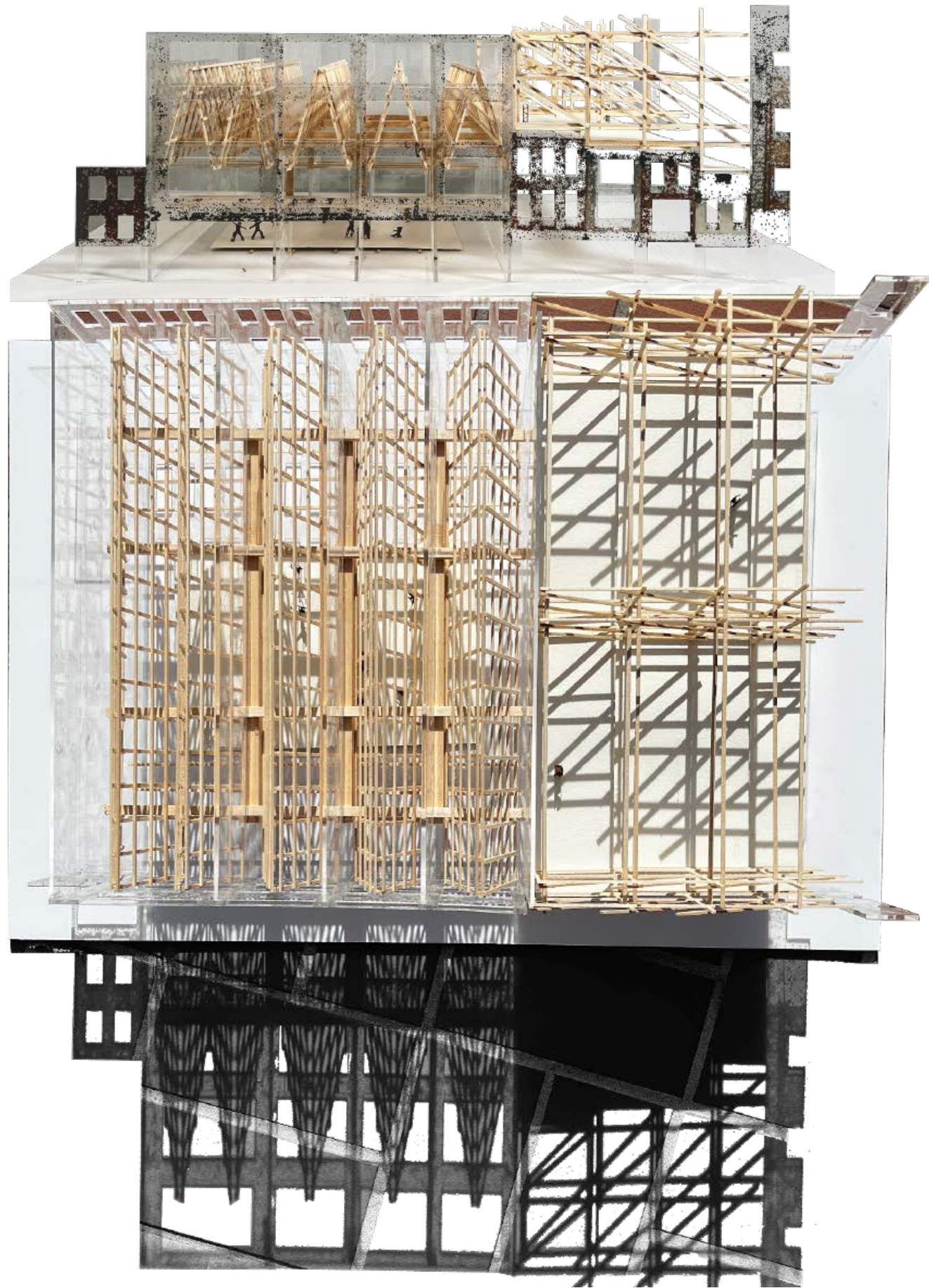
Photogrammetry of the Existing Street

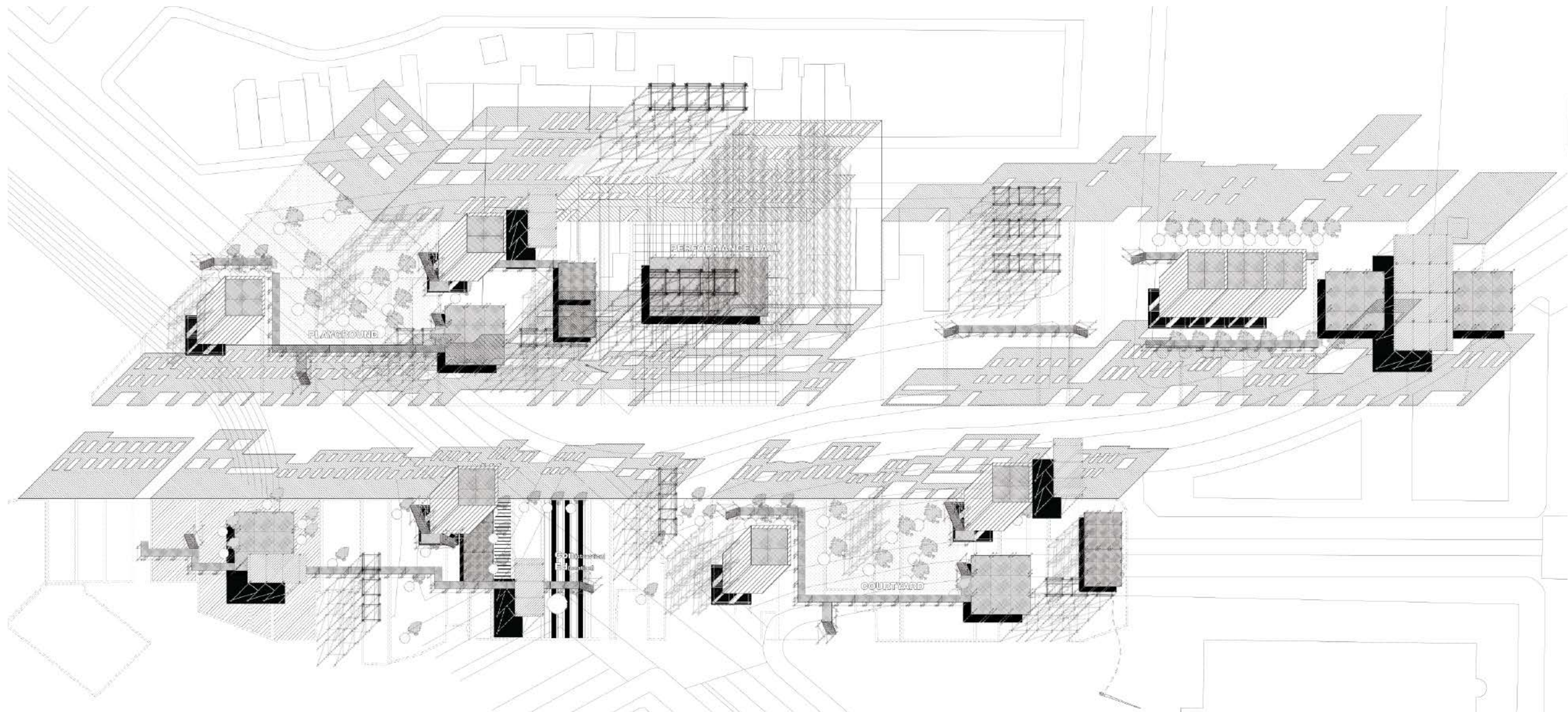


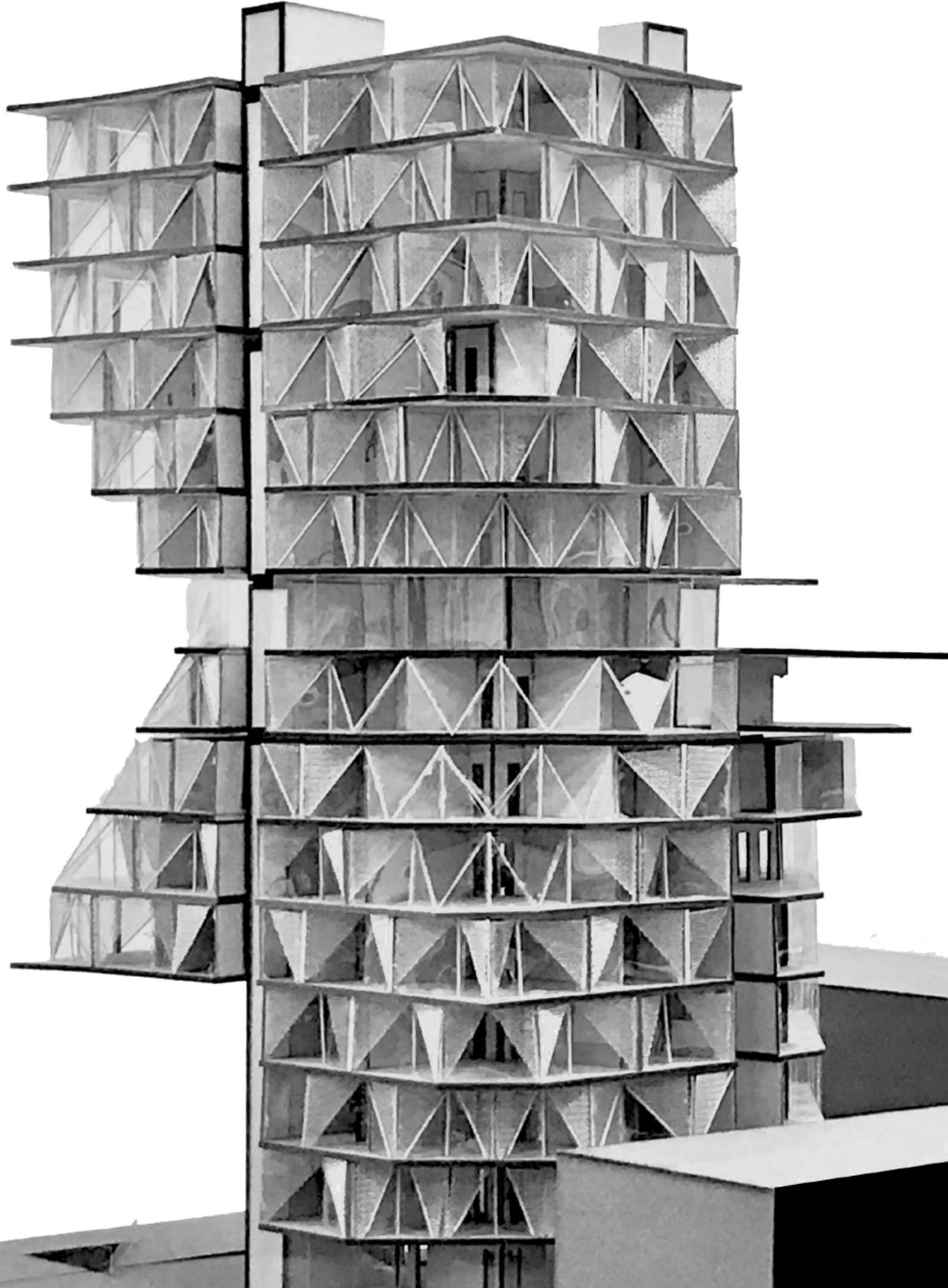
In response to the question, the project purposely become temporary. It is not meant to be permanent, but flexible; it's not meant to be a work of a firm or idea of a person, but a platform for community engagement; thus, it is a collection of transient projects.

In order to achieve the goal, the project utilize the most ubiquitous ingredient in construction: scaffolding. Scaffolding become the architecture itself, freeing the project from the permanence. Not only it is a necessary tool for the renovation of the site, but it becomes a tool for the neighborhood to design their own space, utilize the space, and work the project.

As a result, the project does not have a dominant form nor an overarching identity. It is light, transparent, and free. It is not aggressive, but embracing. From playground to performance hall, it becomes a community center planned by, designed by, and built by the community.







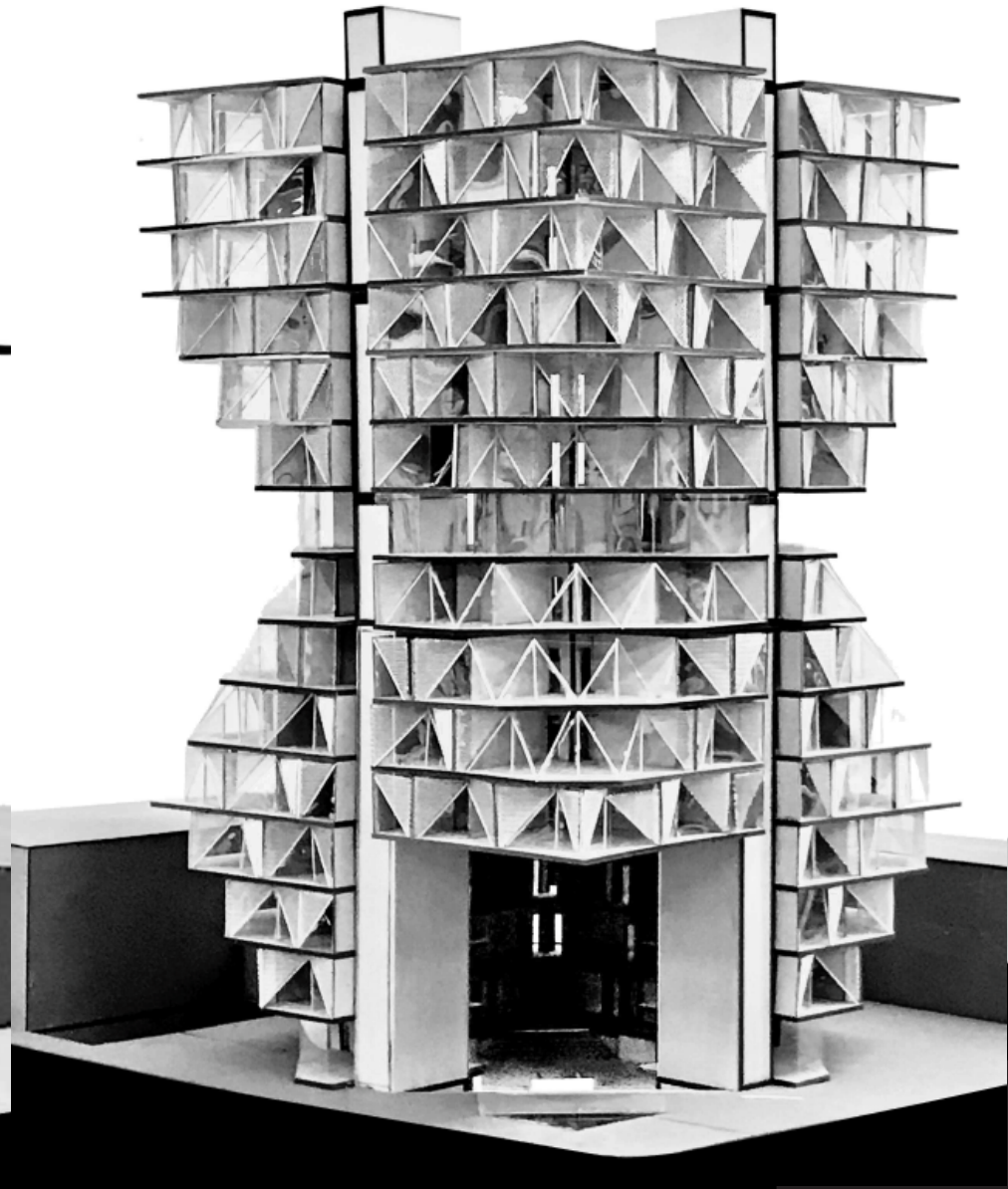
## 56 Gold Street

Residential + Commercial

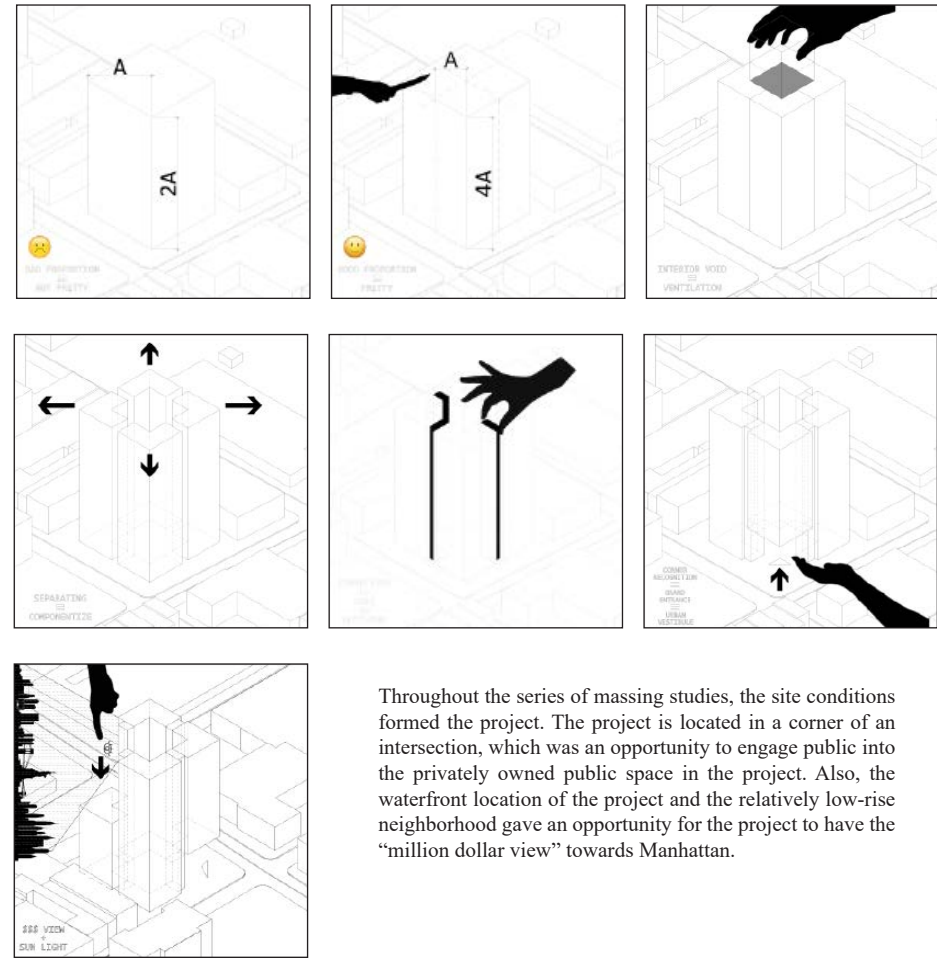
56 Gold Street  
Brooklyn, NY

Partner: Sungwook Choi

Instructor: Gonzalo Carbajo



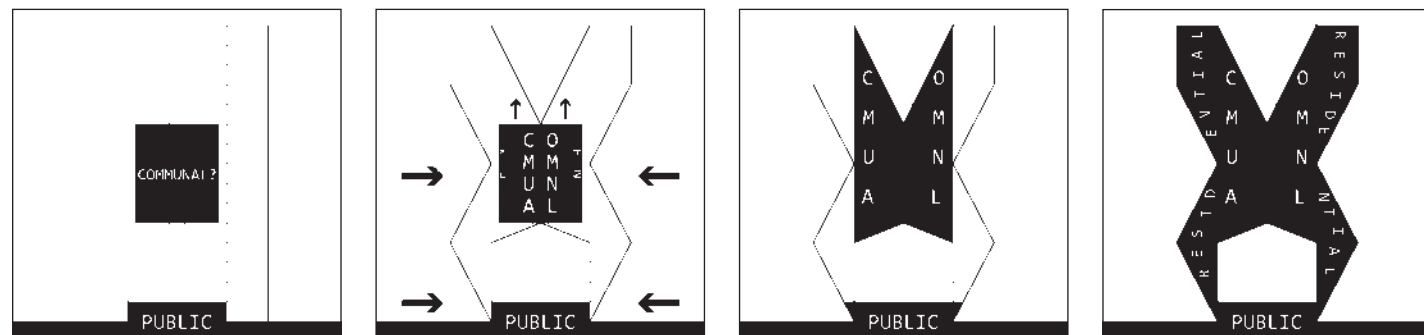
# MASSING DIAGRAM



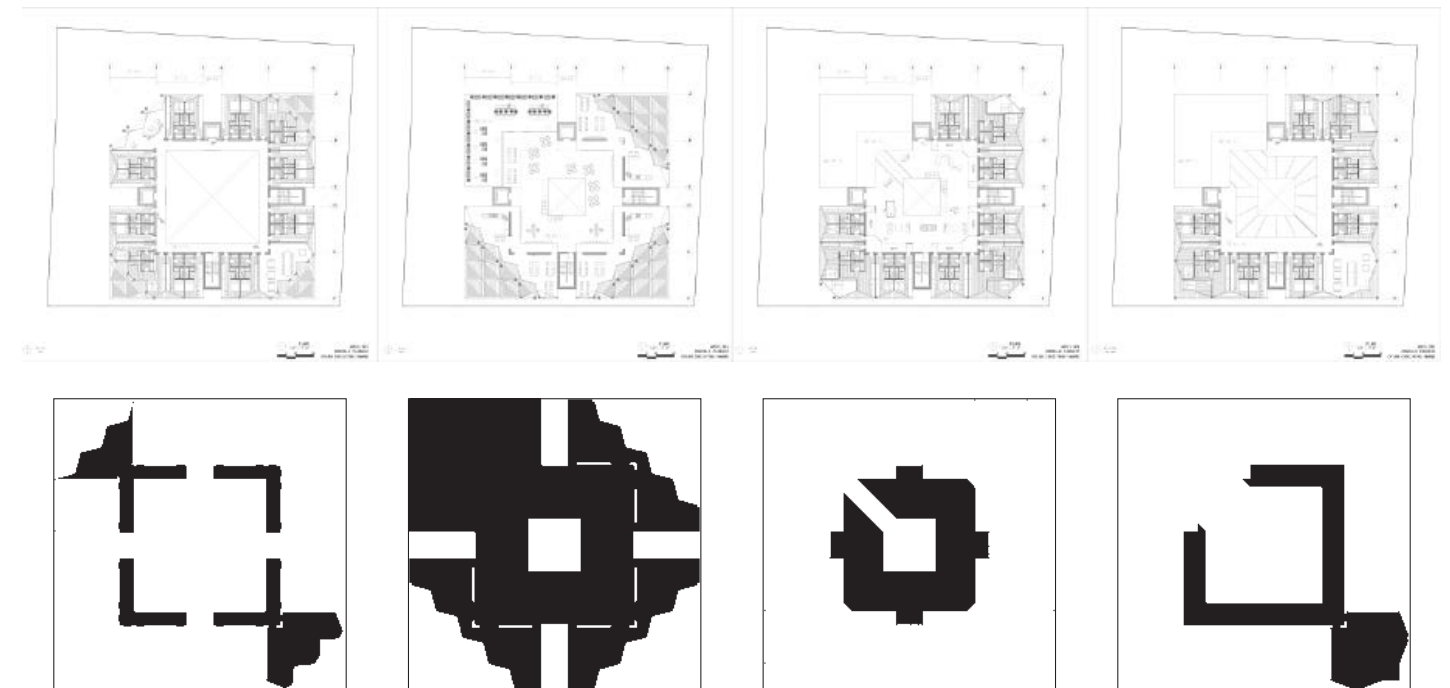
Throughout the series of massing studies, the site conditions formed the project. The project is located in a corner of an intersection, which was an opportunity to engage public into the privately owned public space in the project. Also, the waterfront location of the project and the relatively low-rise neighborhood gave an opportunity for the project to have the “million dollar view” towards Manhattan.

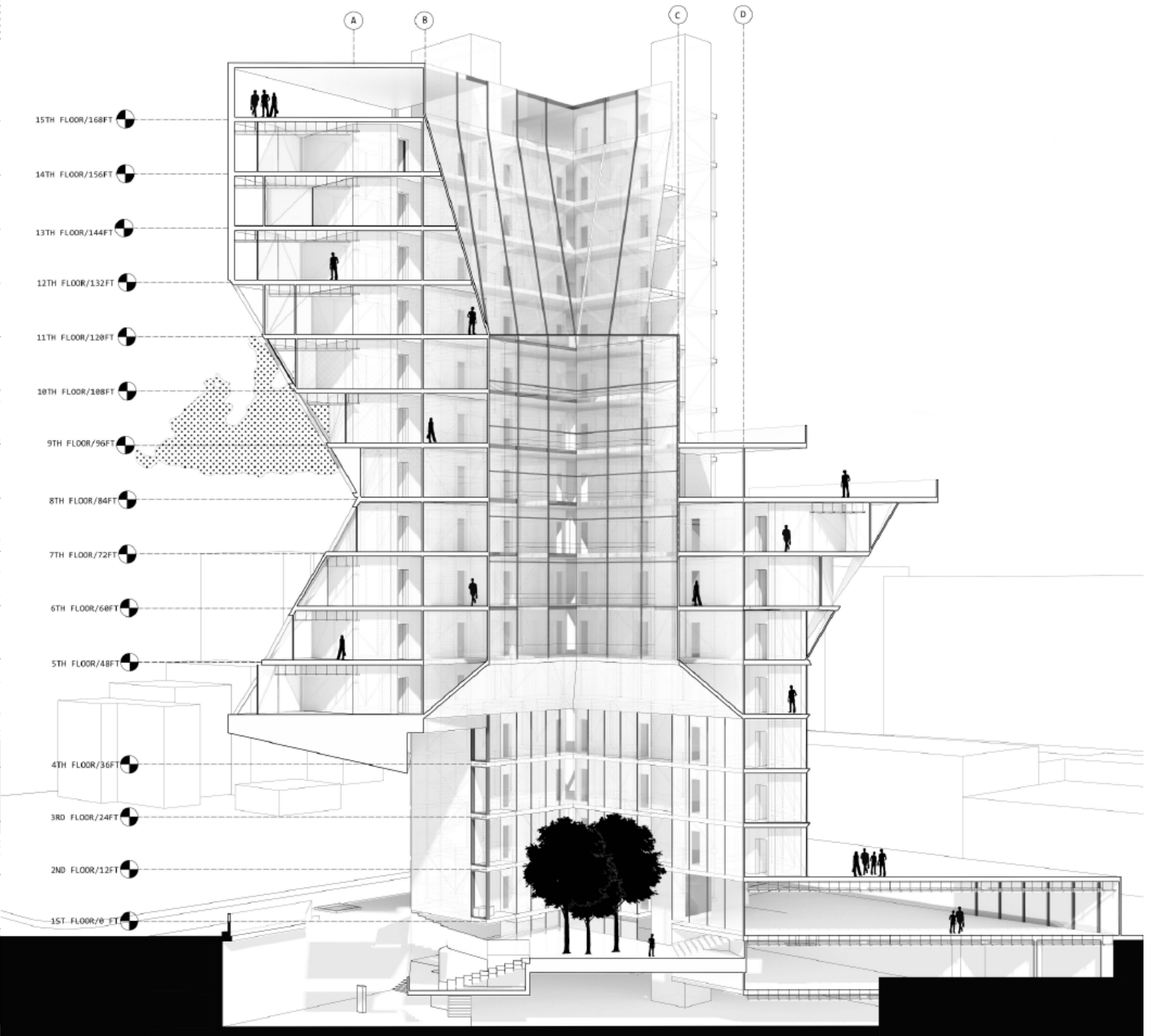
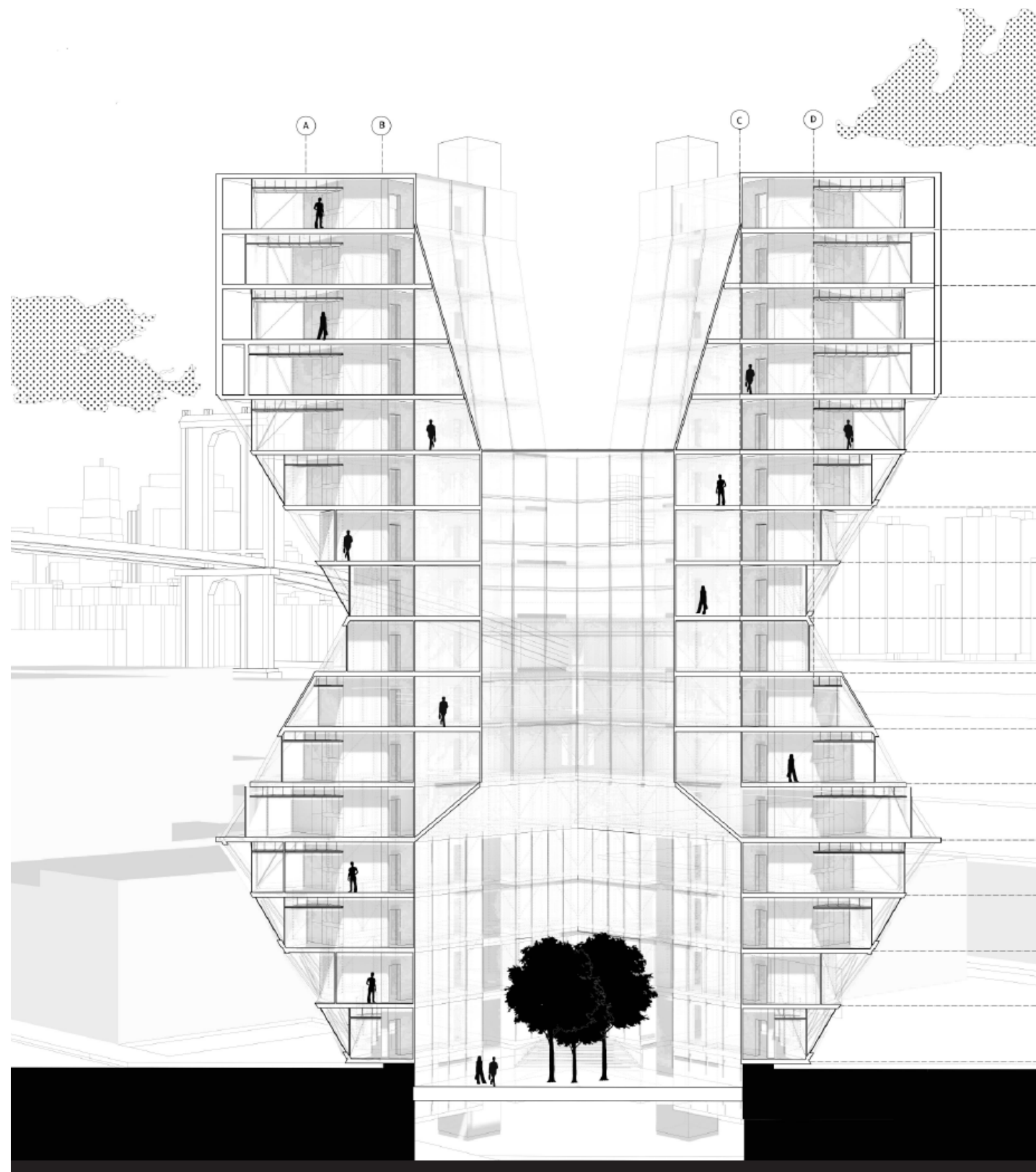
# PROGRAM DIAGRAM

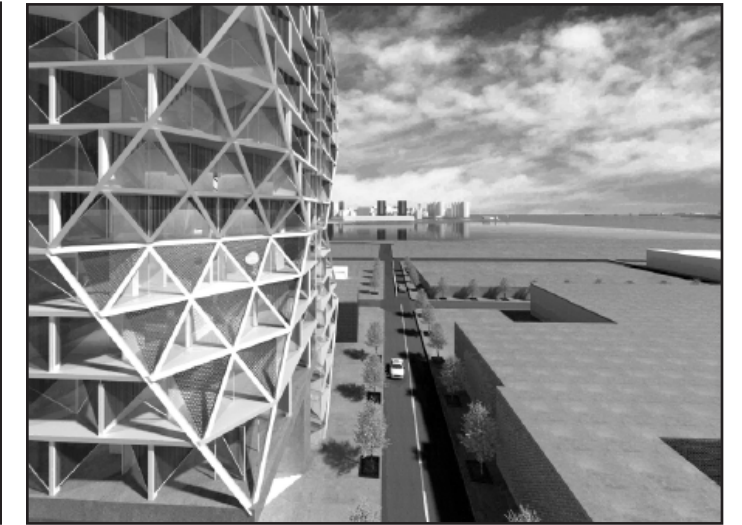
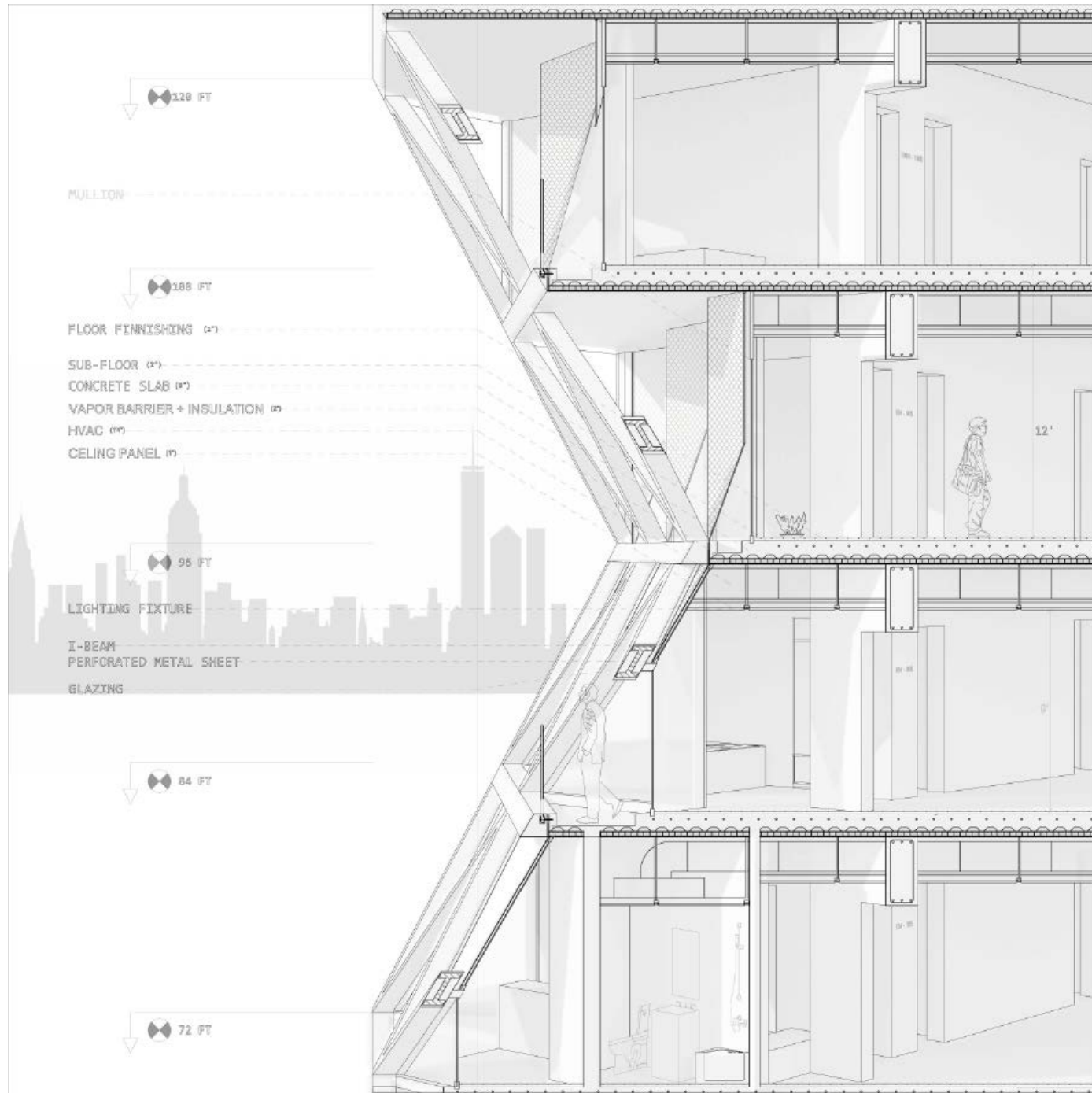
Located near Dumbo, the apartment targets young professionals to reside and develop a community. Communications and connections between young professionals were our primary concern regarding the facilities that would serve the residents.



As it's represented by the form of the building, the specific communal spaces located in the middle and the bottom work as belts that bring the residents and the visitors together. The belting of the spaces also resulted in the scale changes of the semi-public spaces in each floor by the widening of the corridors that can be used as small lounge spaces.



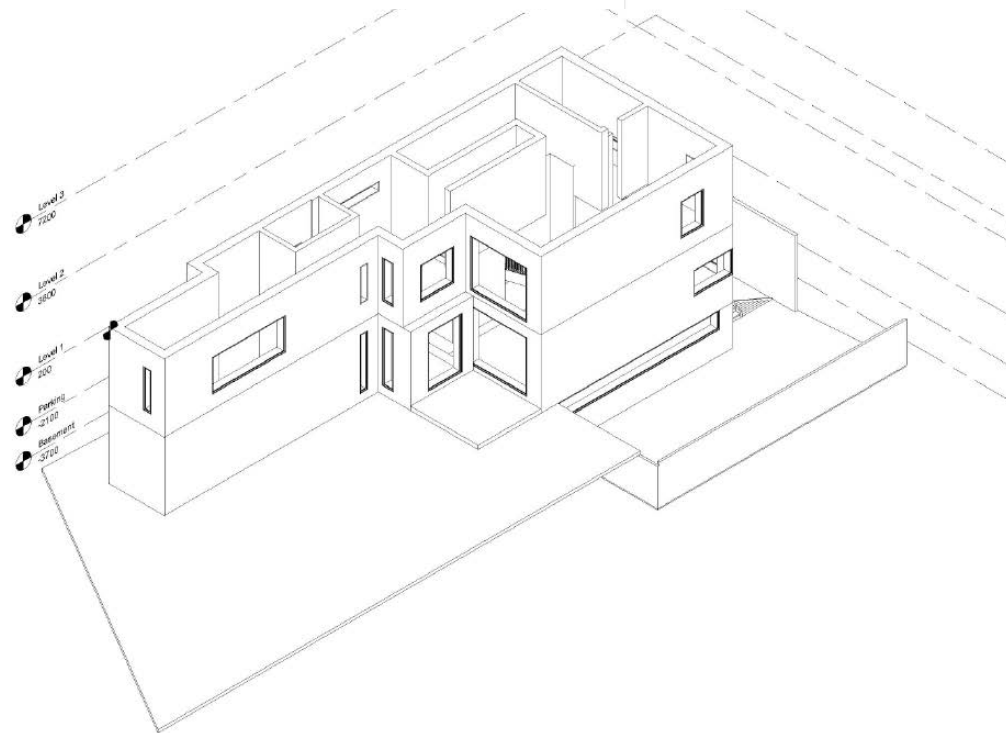
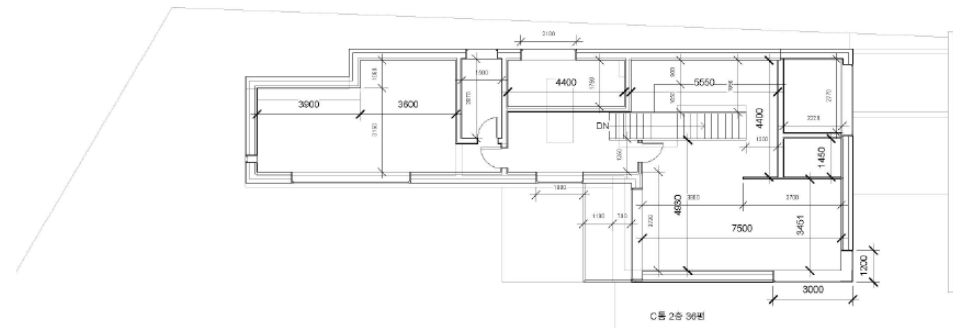
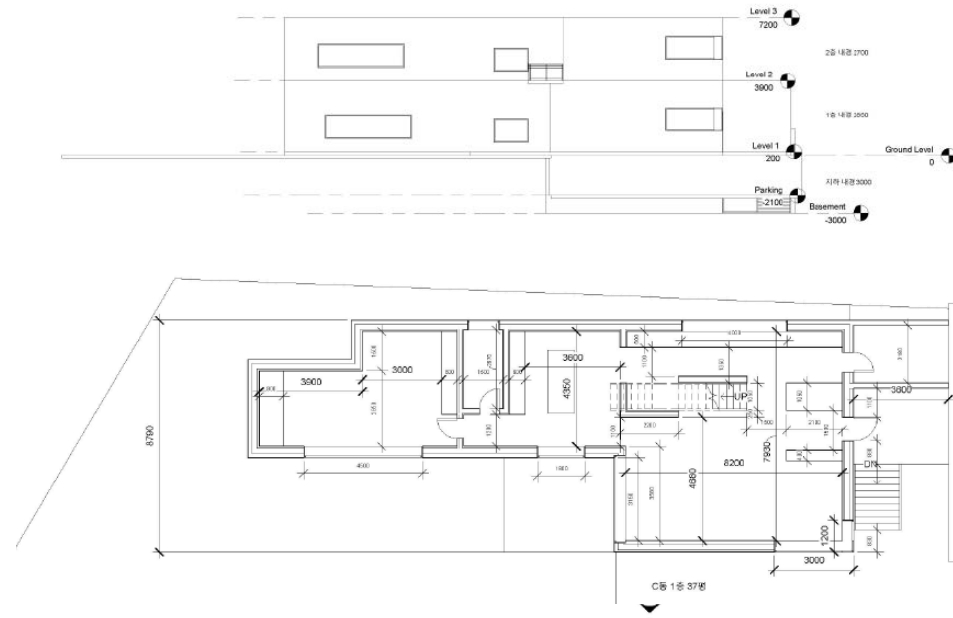




**Yang Pyoung  
C House**  
Residential

Yang Pyoung, South Korea

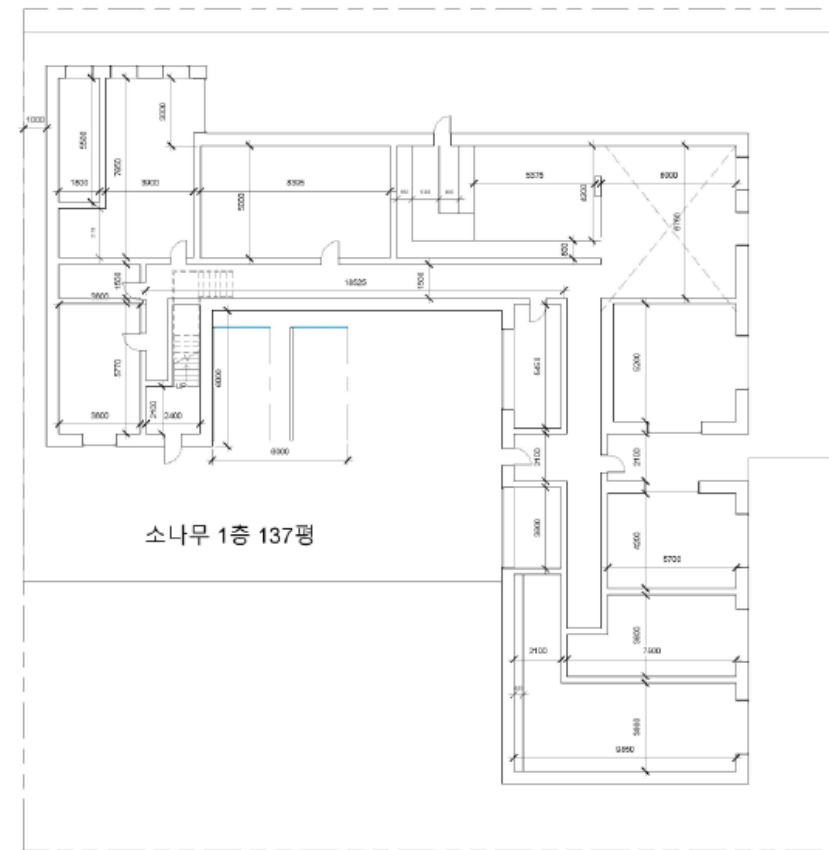
Freelance Work



**Yang Pyoung  
Pine Tree House**  
Residential

Yang Pyoung, South Korea

Freelance Work



# CRL Center Dongguan

Mixed Use - Office, Retail, Hospitality

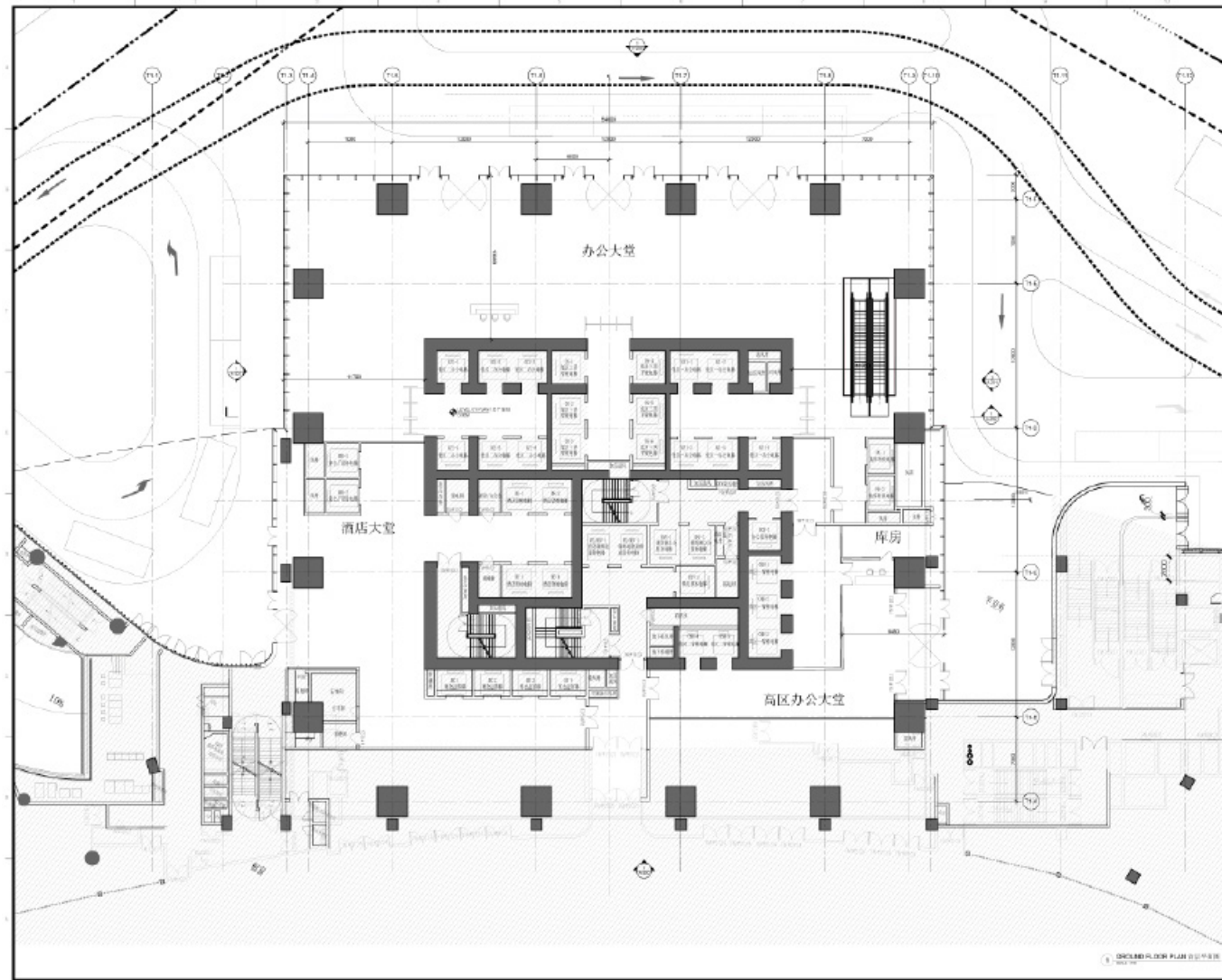
Dongguan,  
China

Client: China Resource Land Limited

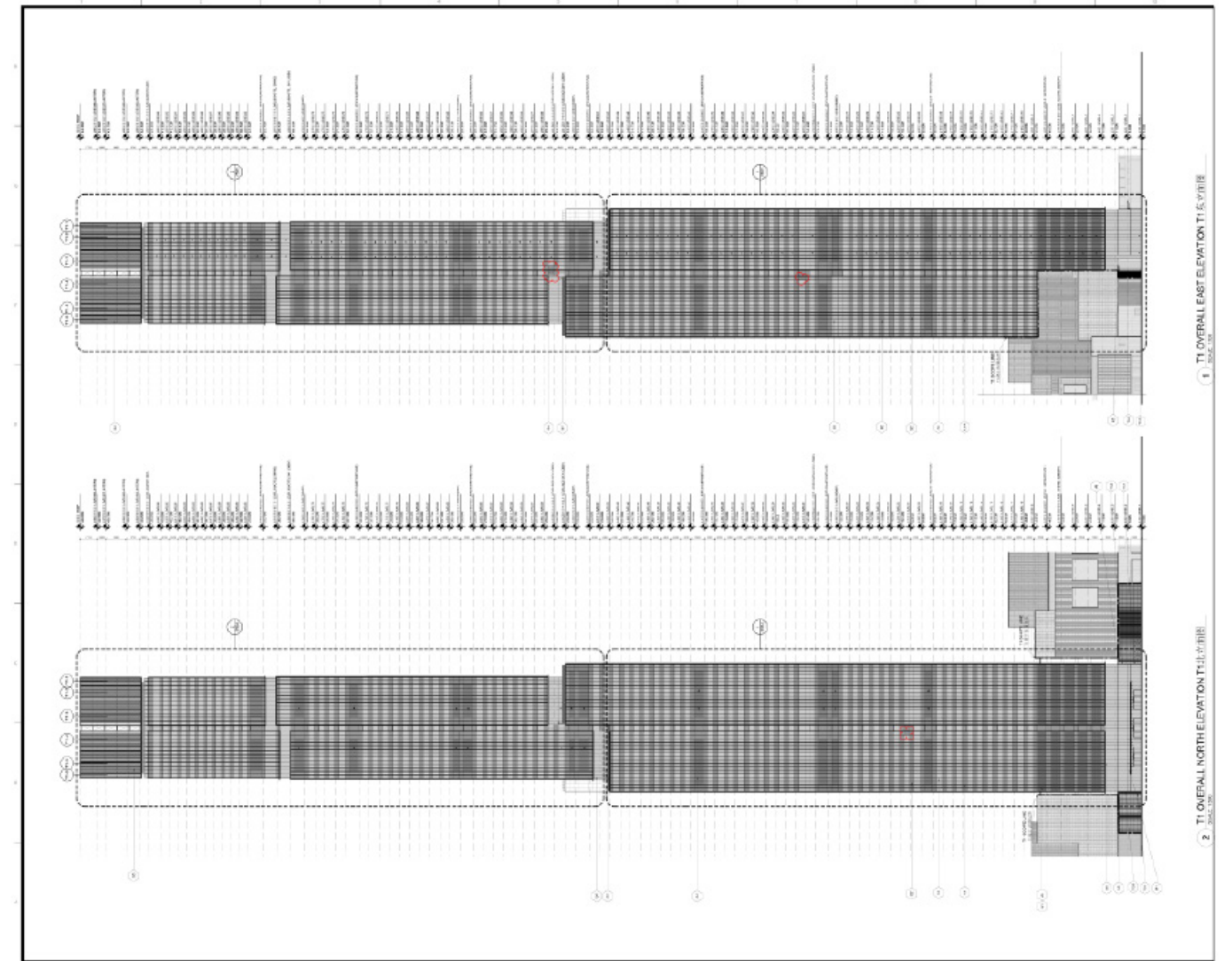
Size: 747,000 sq.ft.



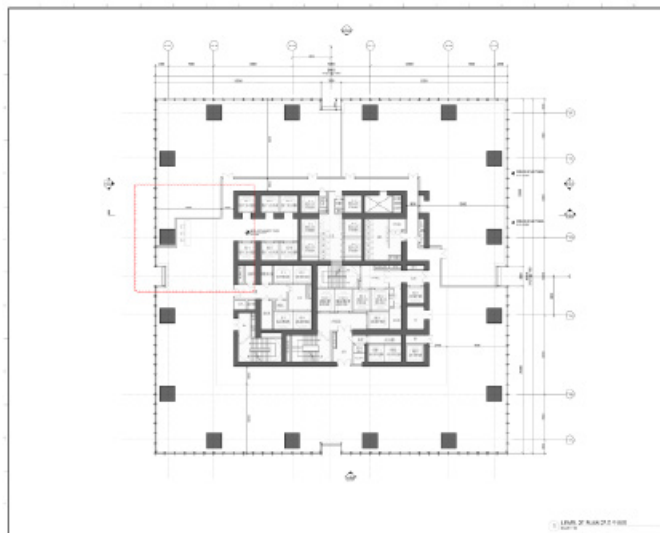
# Tower 1



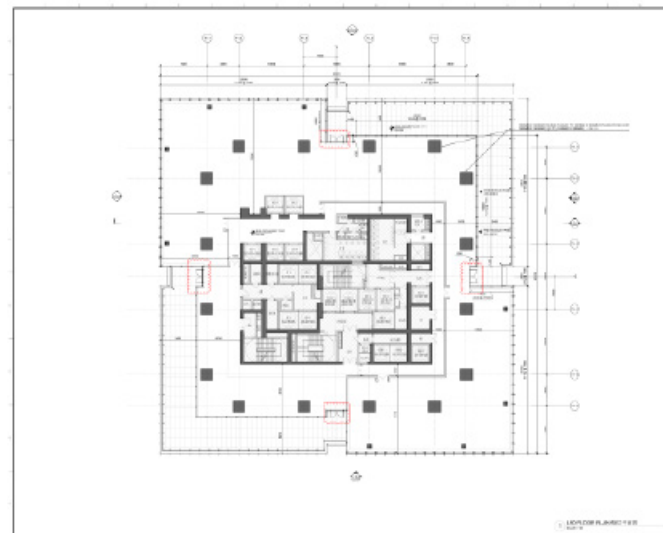
Ground Plan



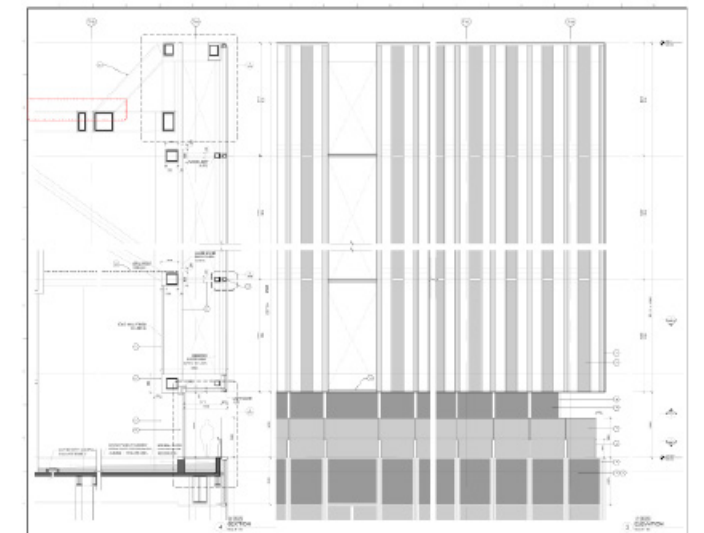
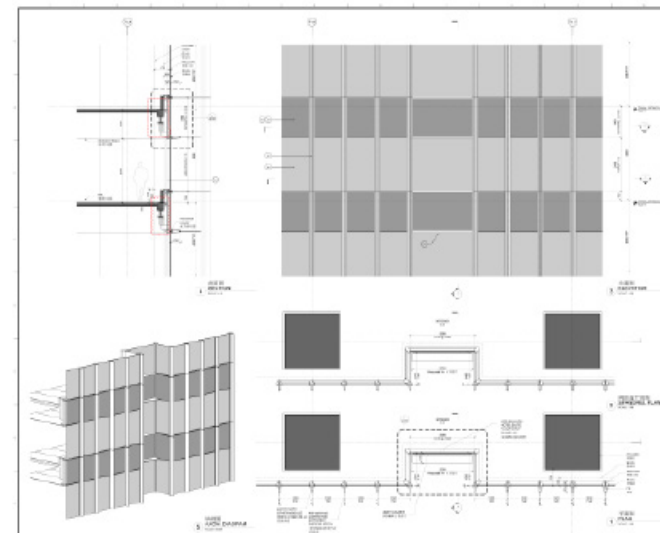
Elevation



Typical Plan

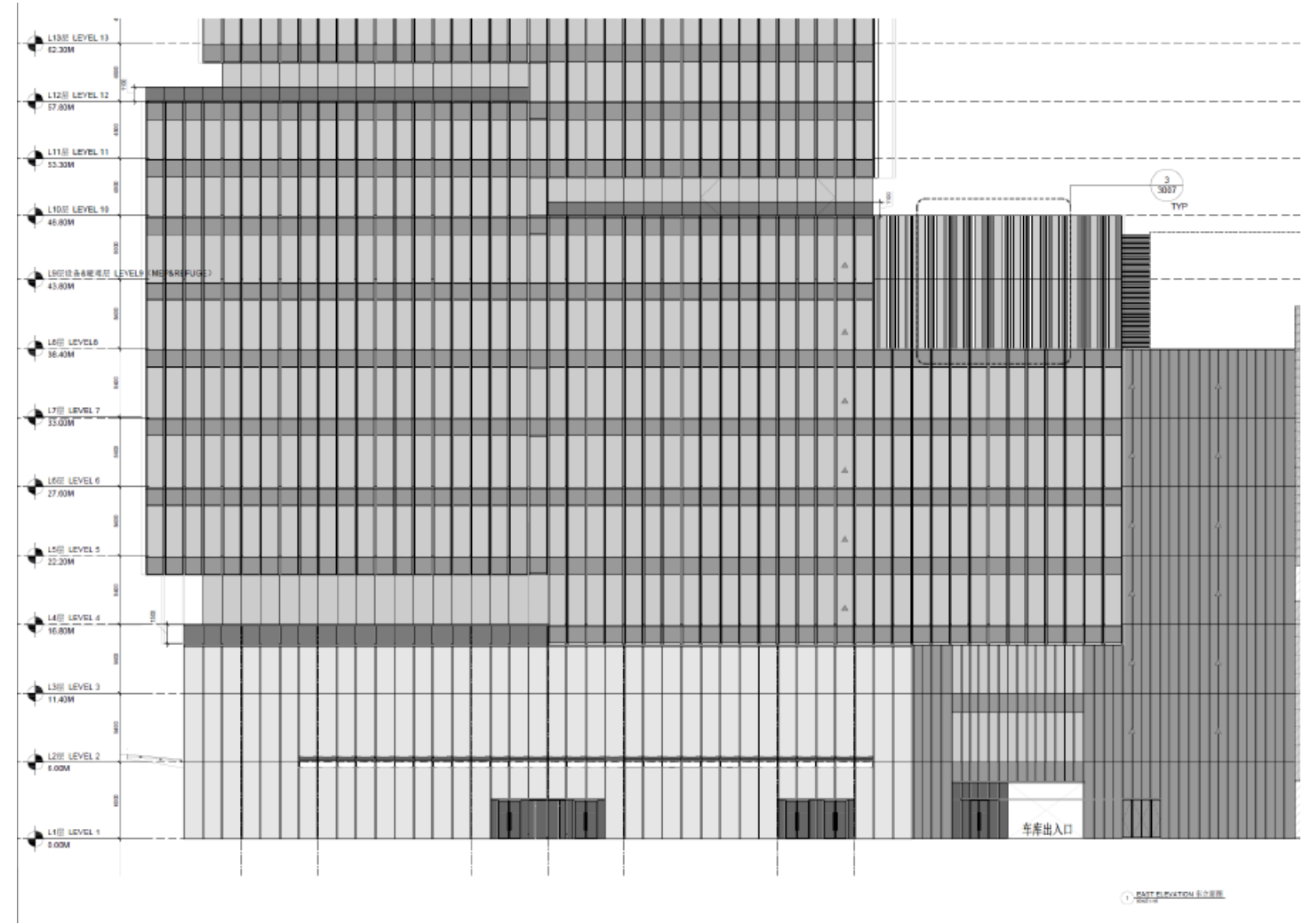
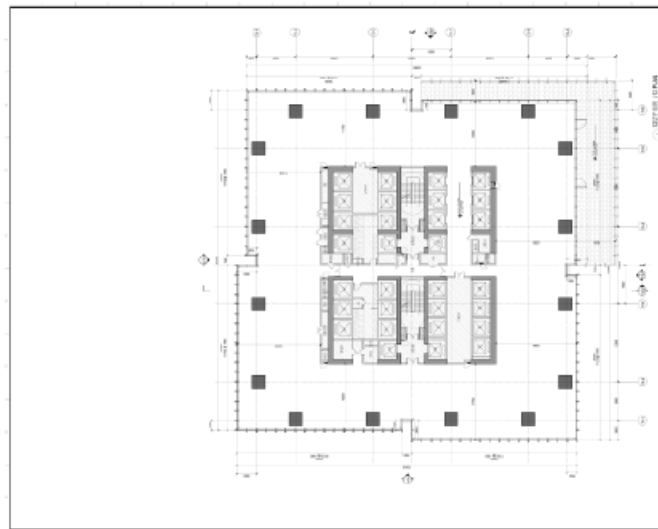
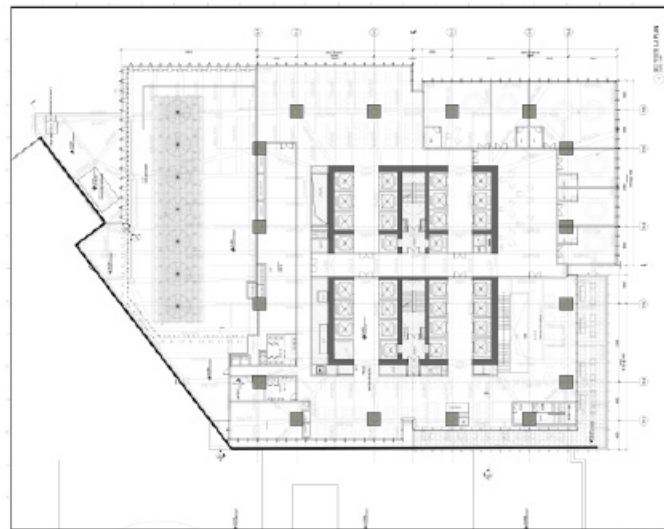
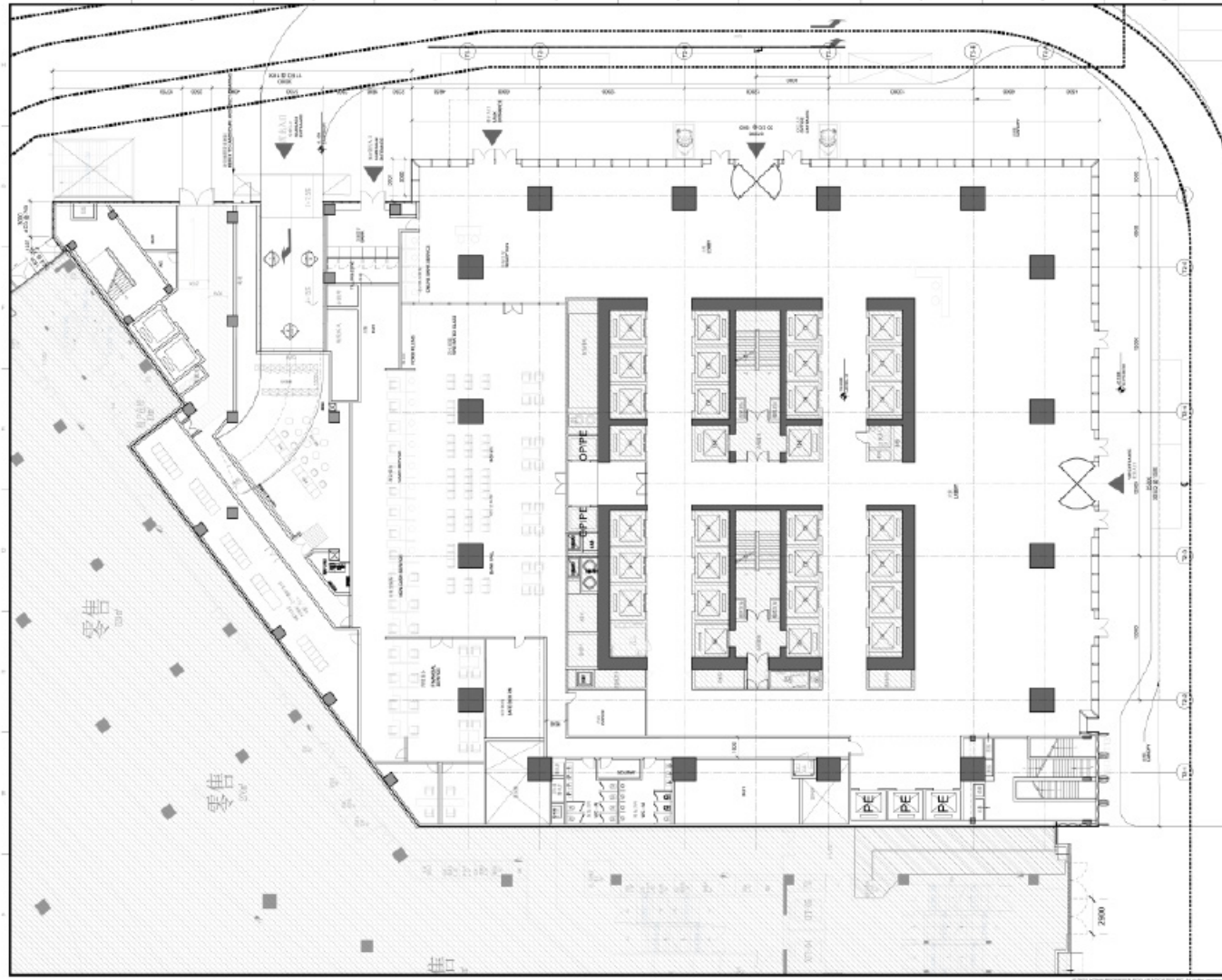


Terrace Plan



Wall Type Detail

# Tower 2

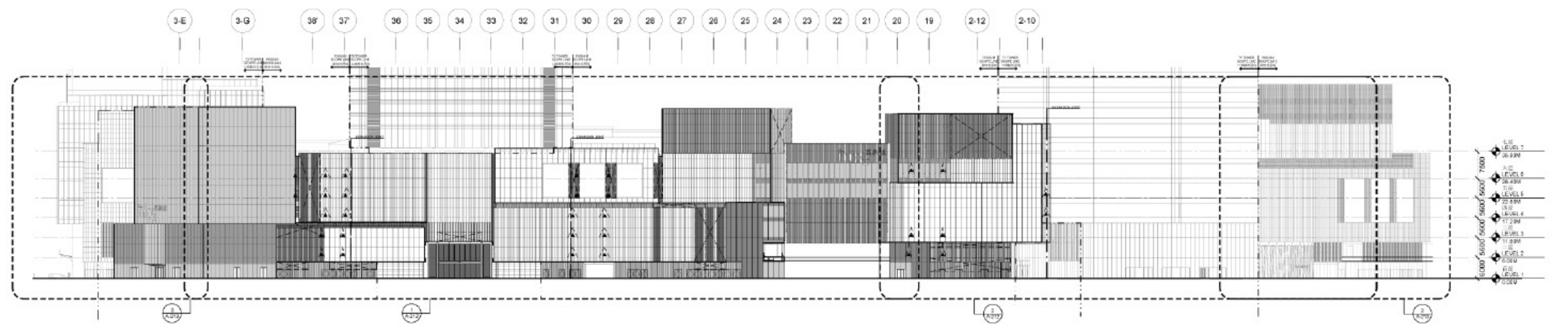
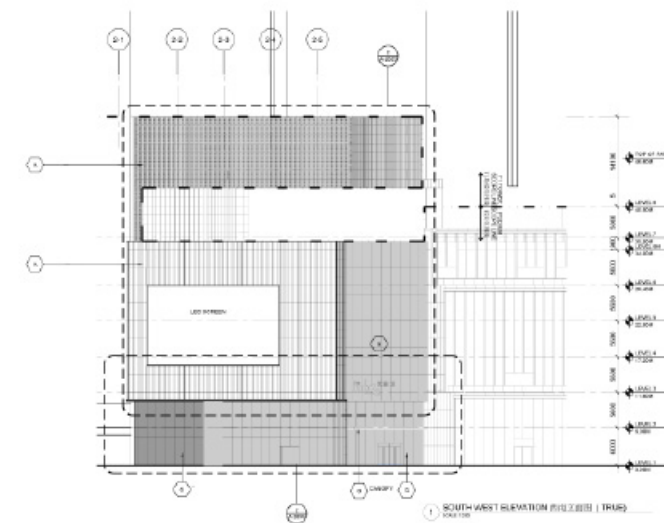
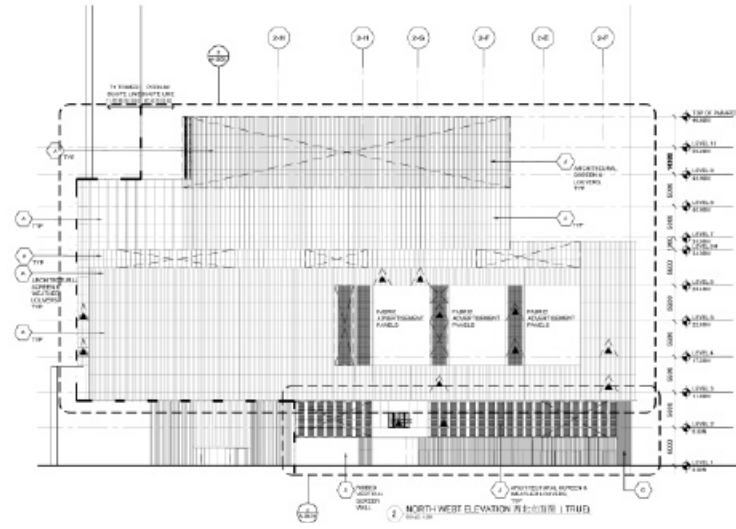
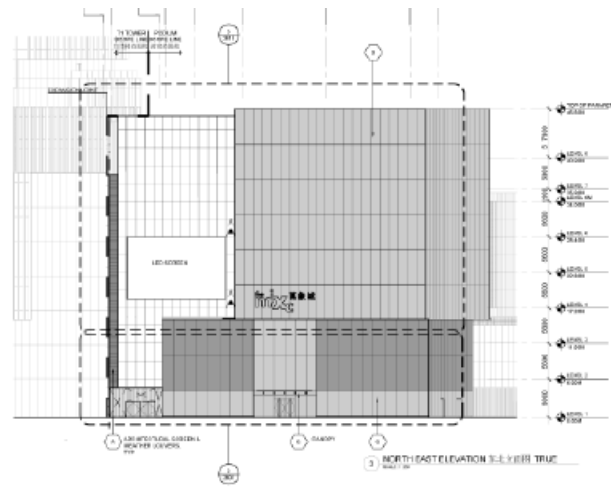


- 深灰色 氟碳漆饰面 (饰面) (A1) Dark Gray PVDF Paint
- 灰色 氟碳漆饰面 (饰面) (A2) Silver PVDF Paint
- 灰色 不锈钢 (饰面) (A3) Stainless Steel
- 花岗岩 (饰面) (A4) Granite Panel

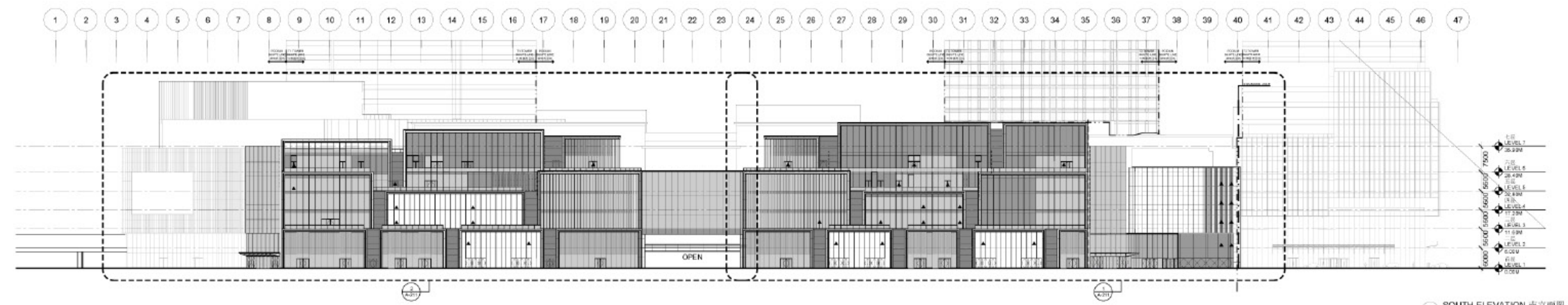


- 灰色 氟碳漆饰面 (饰面) (A1) Silver PVDF Paint
- 灰色 不锈钢 (饰面) (A2) Stainless Steel
- 花岗岩 (饰面) (A3) Granite Panel

# Podium



3 NORTH ELEVATION 北立面图  
SCALE: 1:50



1 SOUTH ELEVATION 南立面图  
SCALE: 1:50