

WORK SAMPLES

STEVEN LIN | COLUMBIA GSAPP | 2023



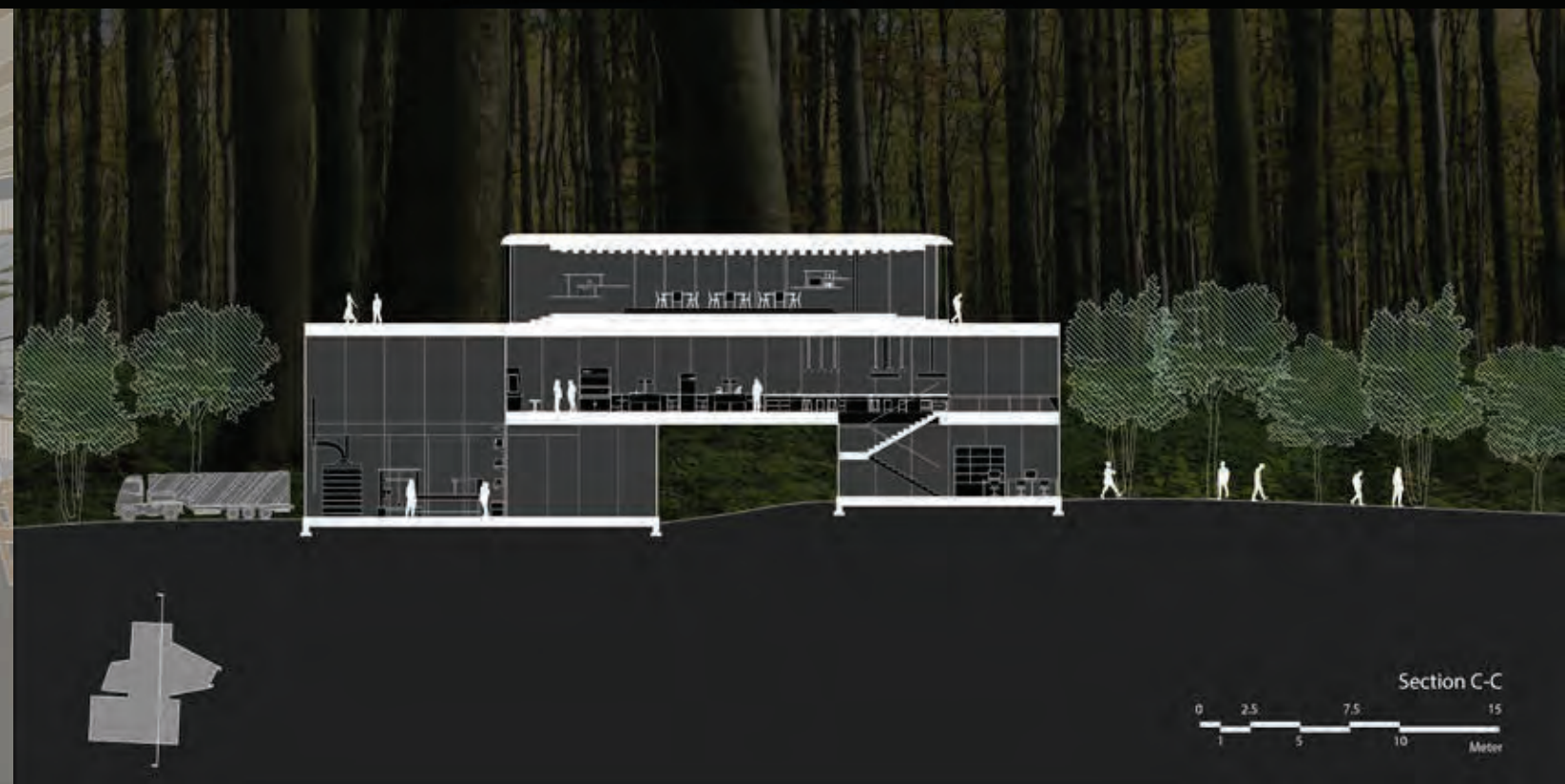
CONTENT

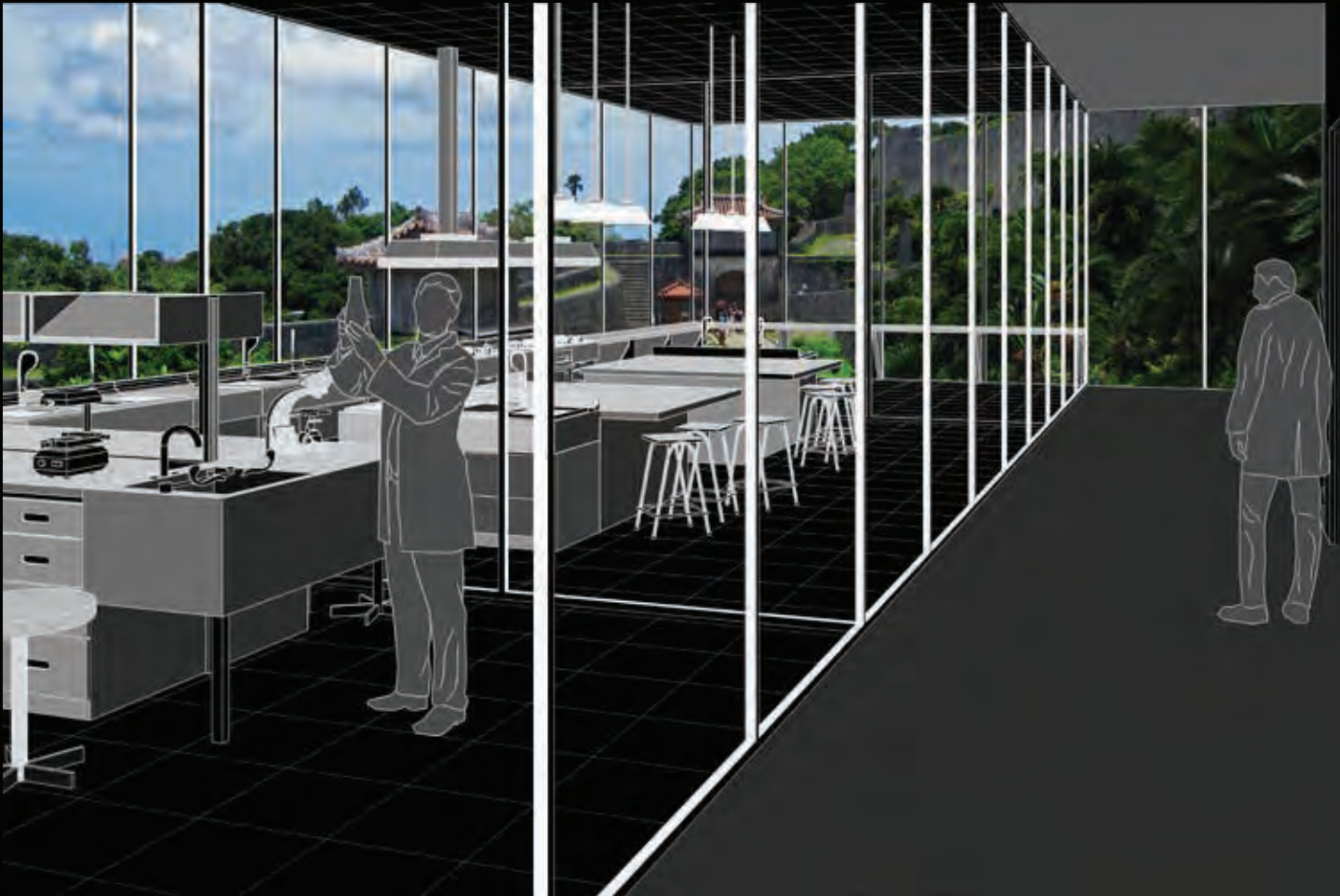
MATERIAL LAB X FOOD LAB
USPS VMF X FOOD DISTRIBUTION
LETMERT PARK INSTITUTE OF FILM ARTS
AQUAFLOW
FOLDING SCAPE
INSIDE/ OUT
LEIMERT PARK COMMUNITY CENTER
COHOUSING: AN APARTMENT WITH SHARING MOMENTS
MATERIAL TRANSFORMATION
INFINITE LOOP
FOLD AWAY
BRINGING BACK THE GREEN
HESS SCHOOL
WAN-TA POWER STATION
TAIPEI JEWISH SYNAGOGUE
JIN HUA PUBLIC HOUSING
ROOFTOP URBANISM/ BACKYARD URBANISM



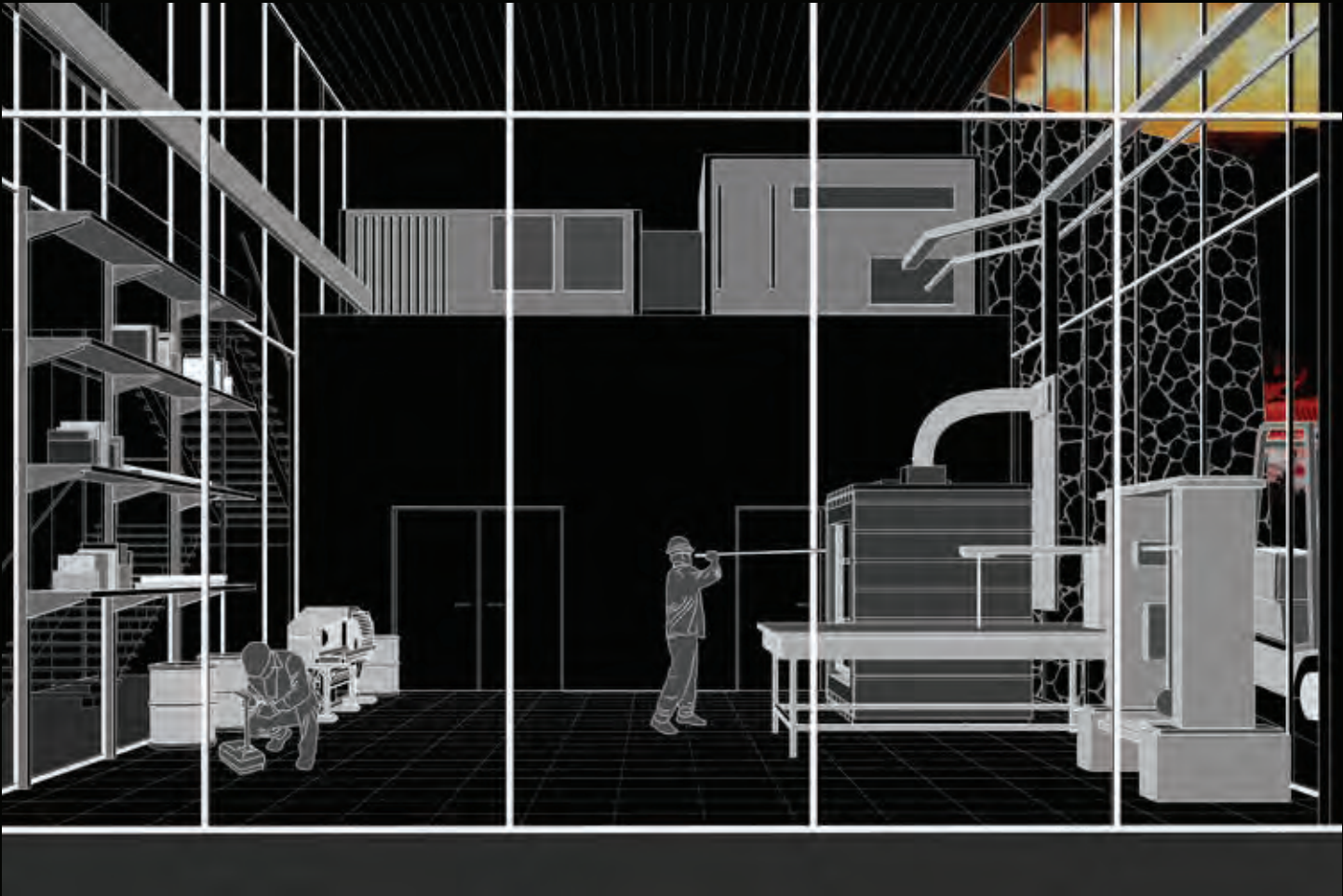
Arch 502- Architectural Design V
Prof. Marcos Sanchez
Spring Semester, 2022
Student Work

Figure 1 consists of two panels. The top panel is a regional map of the East China Sea, showing the coastlines of mainland China, Taiwan, and the Korean Peninsula. Key locations marked include Shanghai, Zhongshan Island, and various smaller islands. A scale bar at the bottom right indicates distances from 0 to 100 km. The bottom panel is a detailed map of the Zhongshan Island area, showing a dashed white boundary around a central urban area and a red shaded region to the west. A scale bar at the bottom right indicates distances from 0 to 10 km.

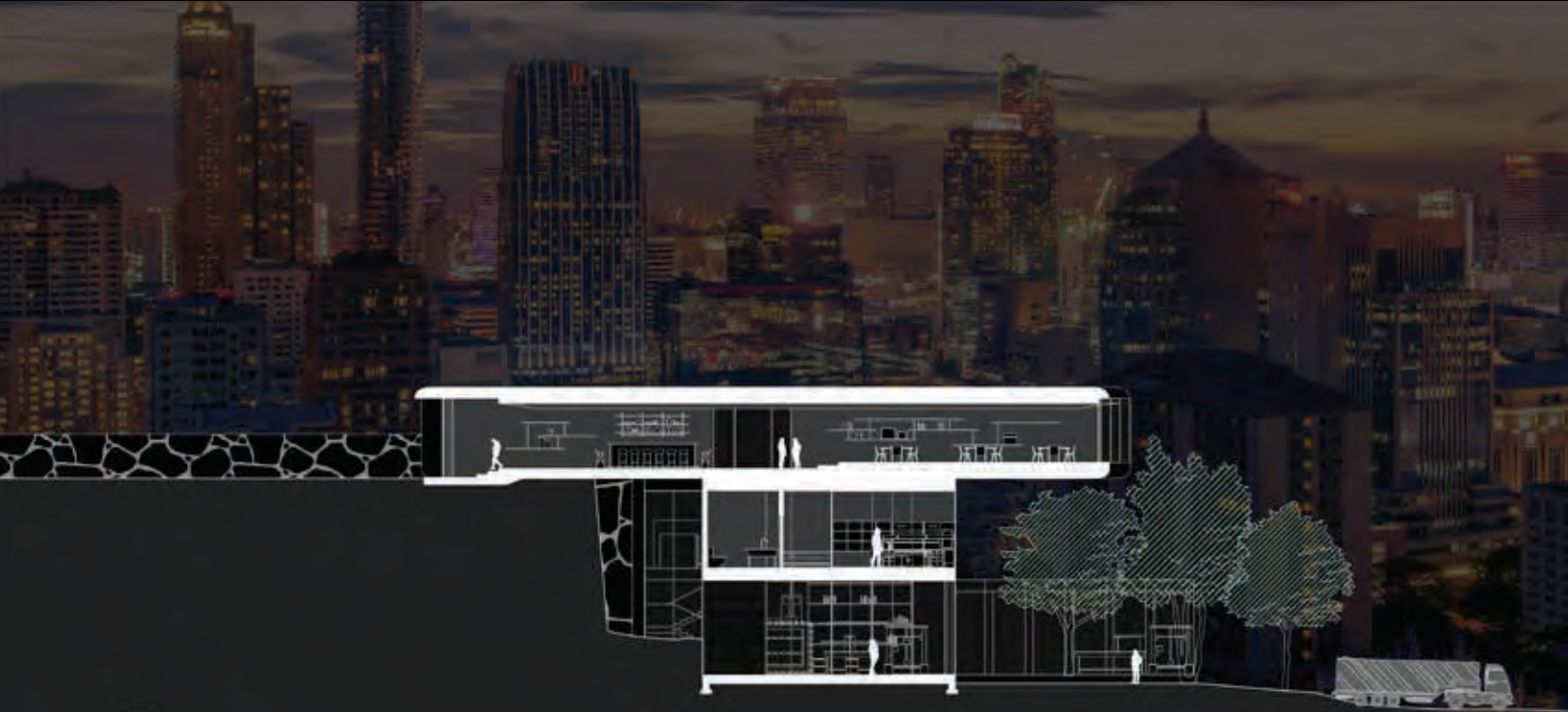




Food Lab Interior



Material Lab Interior



Section A-A



Section B-B



USPS VMF x FOOD DISTRIBUTION

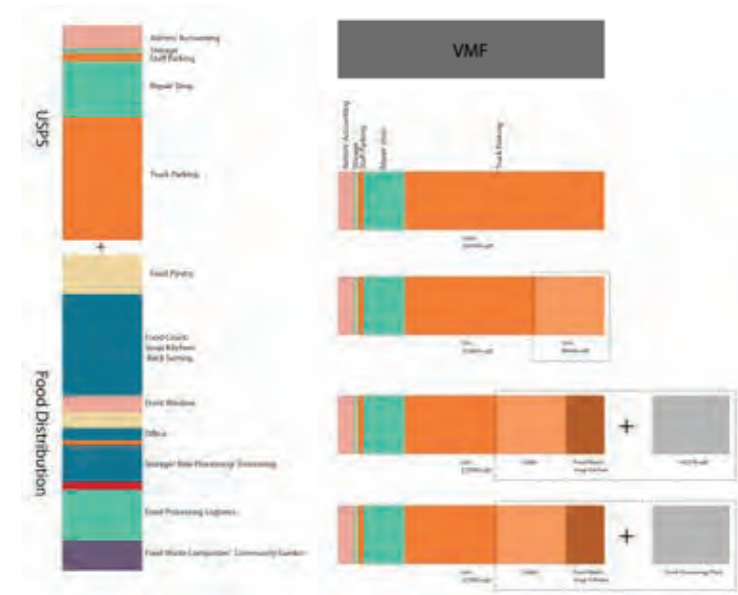
Advanced Studio V
Prof. Laurie Hawkinson
Fall Semester, 2022
Student Work

This studio speculated on ways in which new programs could expand the United States Postal Service and transform its mission, services and role for the zip code, as well as for City, State and Federal programs; possessing a new architecture in every sense of the term. In light of the recent Infrastructure Framework Plan ratified by the US Senate and The Inflation Reduction Act which includes legislation that will reduce carbon emissions by roughly 40 percent by 2030, the intention was to explore and reimagine that architecture and its role in shaping this essential public infrastructure now and in the future.

The project seeks an alternative solution to food insecurity in the New York urban context by utilizing the USPS food donation system. Under its infrastructure, the solution encourages USPS to transform the vehicle maintenance facility into a food distribution center with a non-profit organization to resolve the social issue.

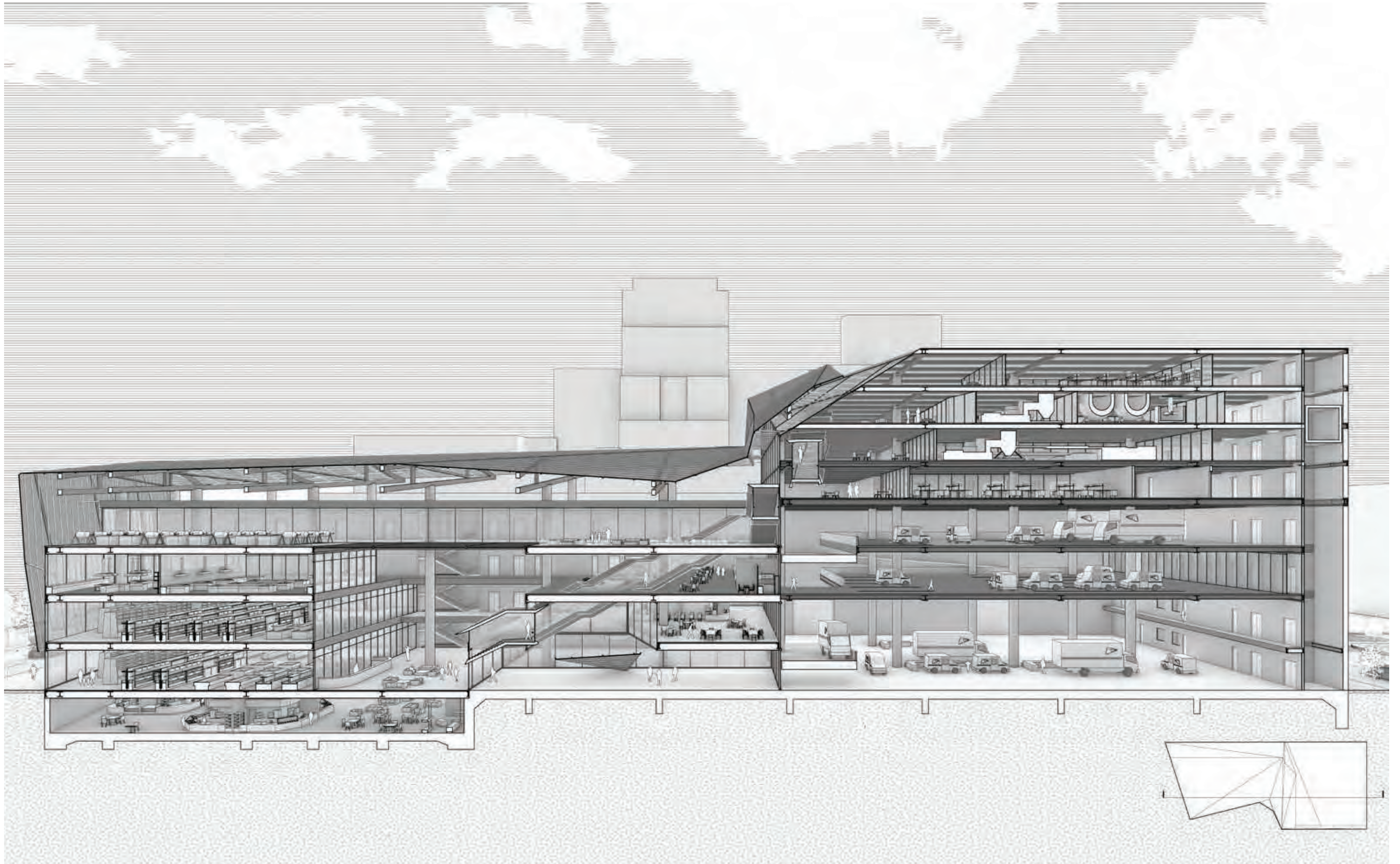


Urban Plan

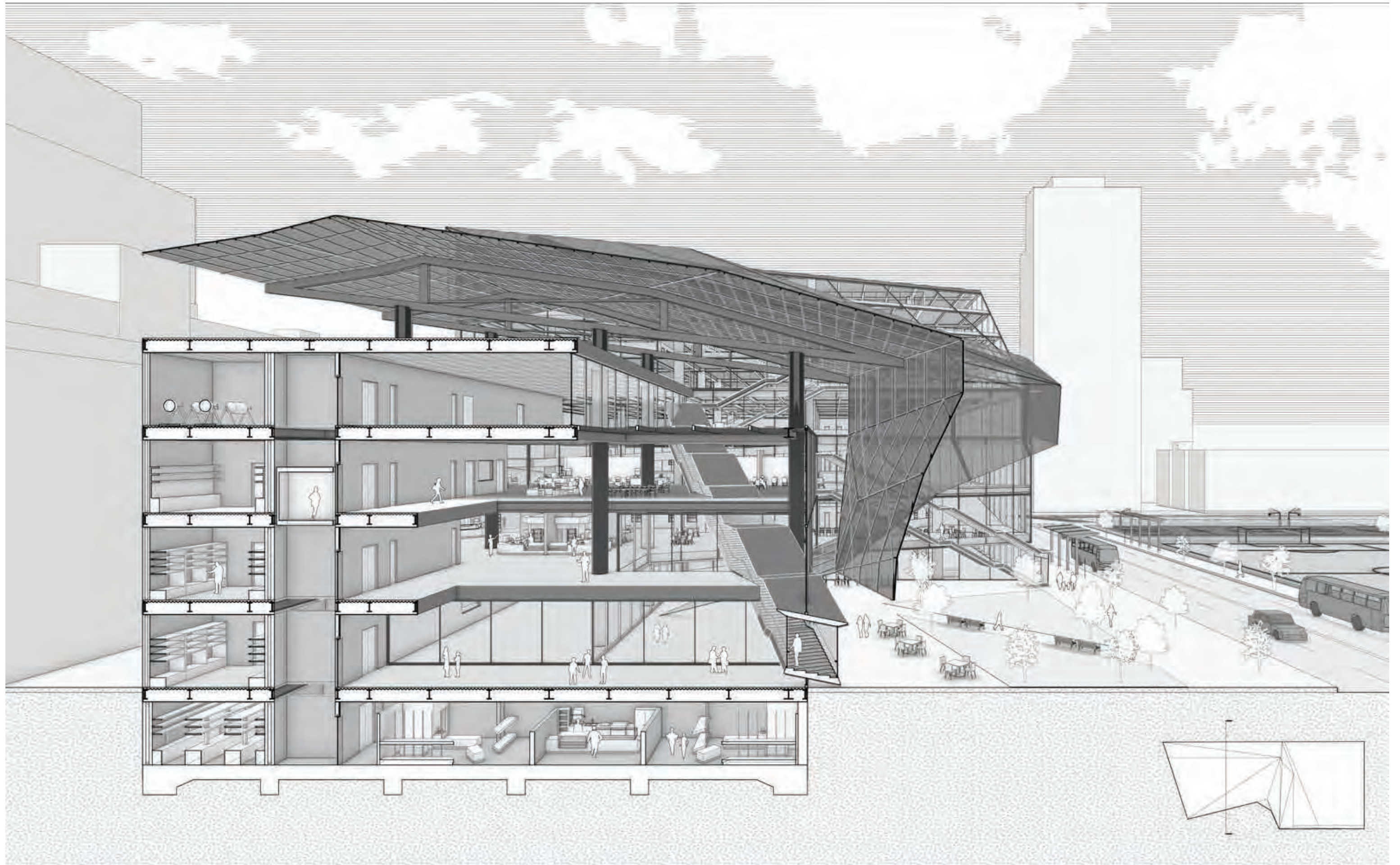


Site Plan





Section Perspective



Section Perspective

LEIMERT PARK INSTITUTE OF FILM ARTS

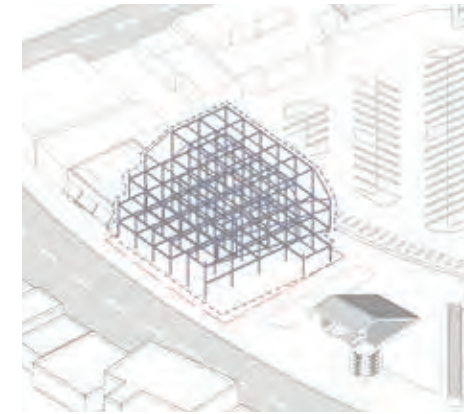
Arch 500a- Comprehensive Architectural Design
 Prof. Olivier Touraine
 Spring Semester, 2021
 Student Work

In the urban fabric of Leimert Park, the zoning planning create distinct segregation between the residence, public, and commercial, which makes it difficult for the local community to engage and experience the rich culture of Leimert Park. The project focus on the relationship between the public infrastructure and local residence; it redefines the Leimert Park Station.

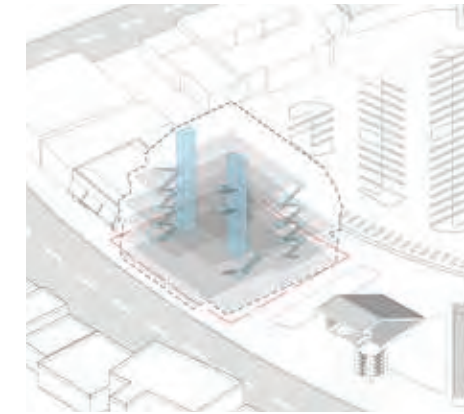
The project aims to create a fluid plaza to ease the segregation problem between public, commercial, and residential spaces. Combining the Leimert Park Station and Leimert Park Institute of Film Arts generates an outdoor plaza that is given back to the community and promotes the relationship between humans and architecture.



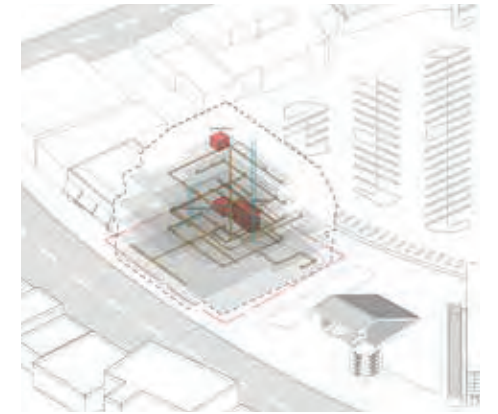
Site Plan



Structure Diagram



Egress Diagram



MEP Diagram



Section A-A



Section B-B



1st Floor Plan



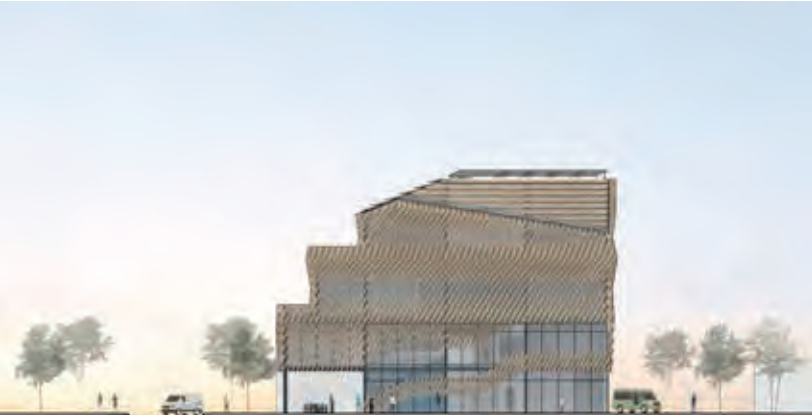
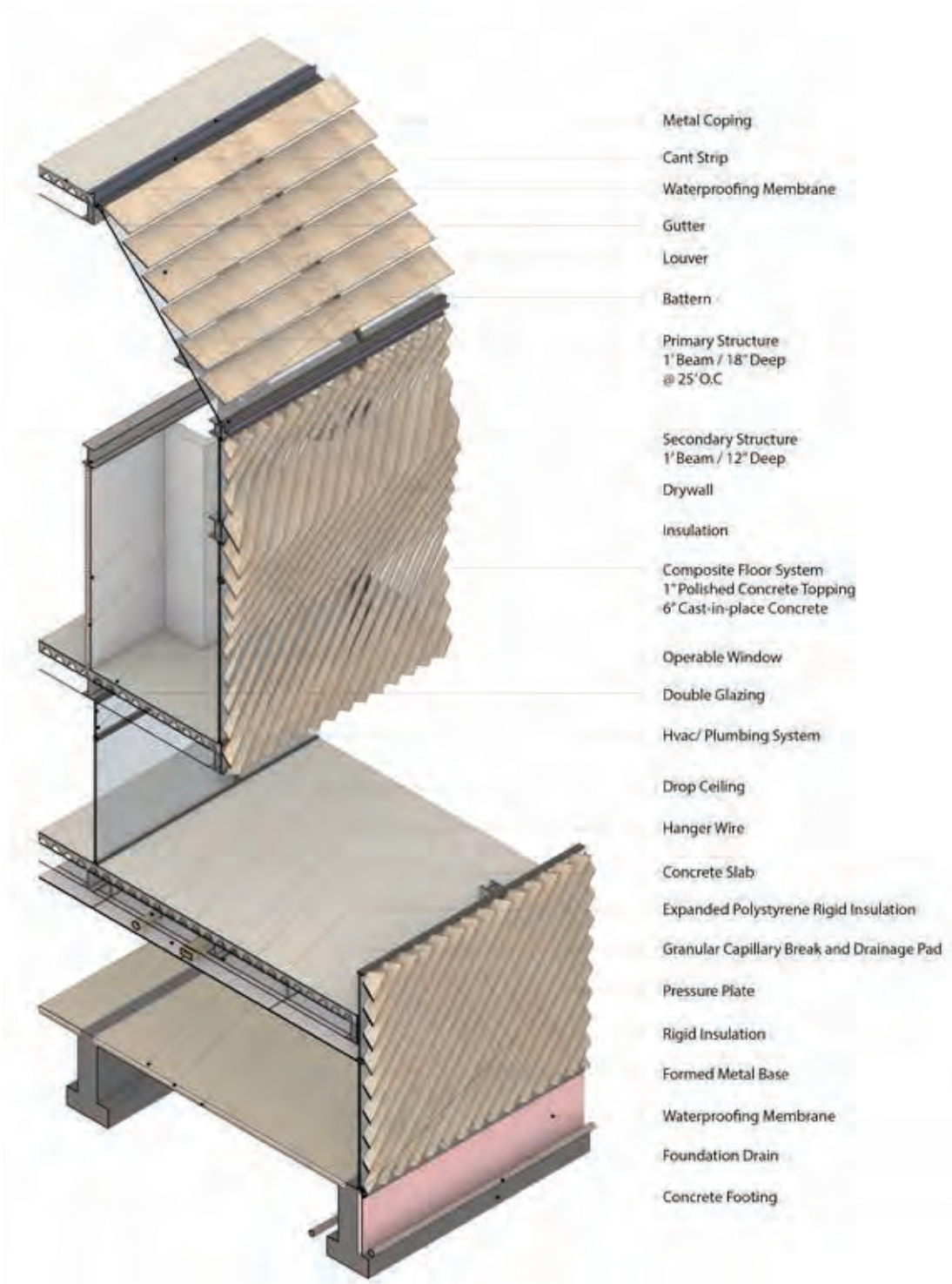
3rd Floor Plan



2nd Floor Plan



4th Floor Plan



South Elevation



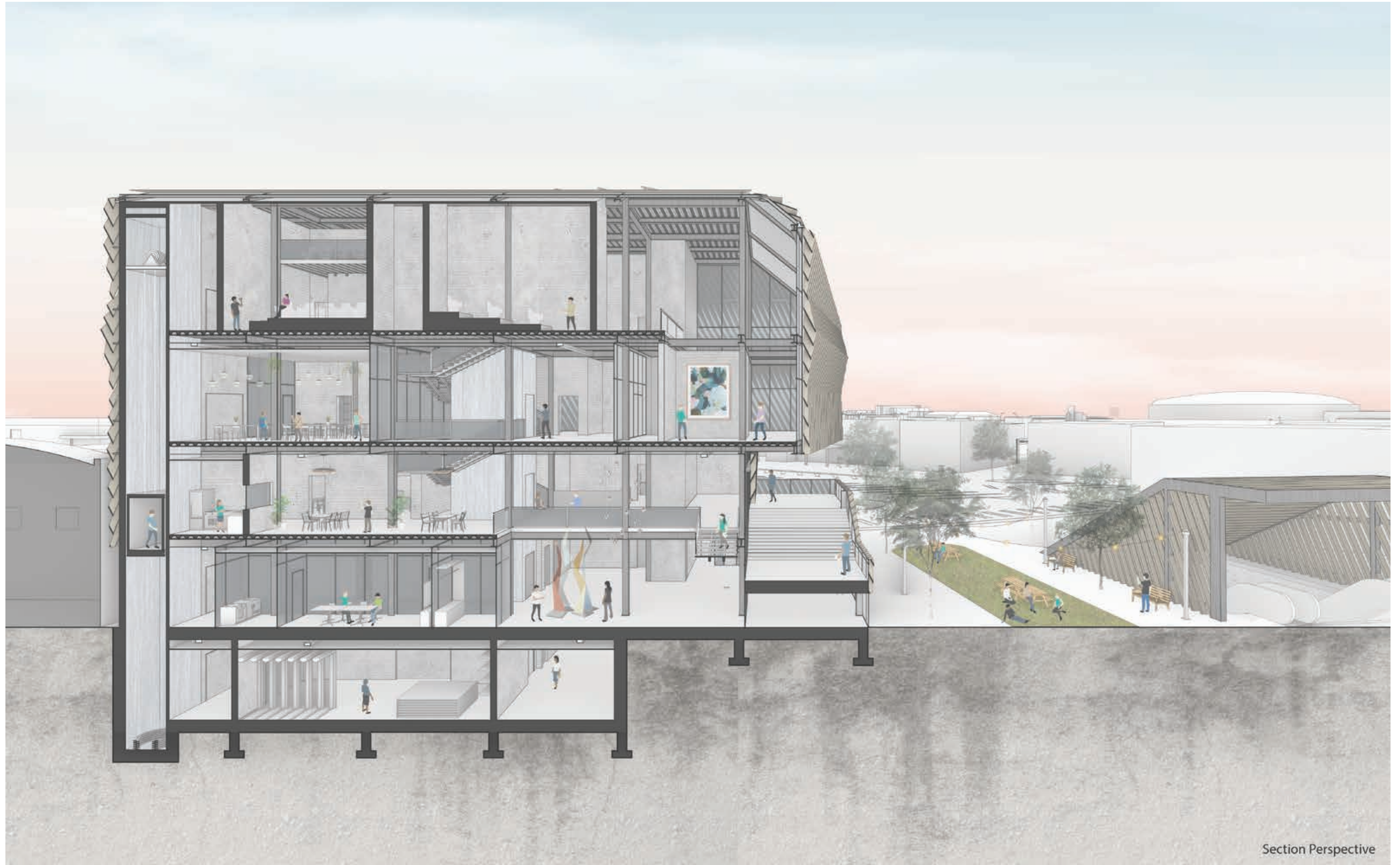
North Elevation



East Elevation



West Elevation

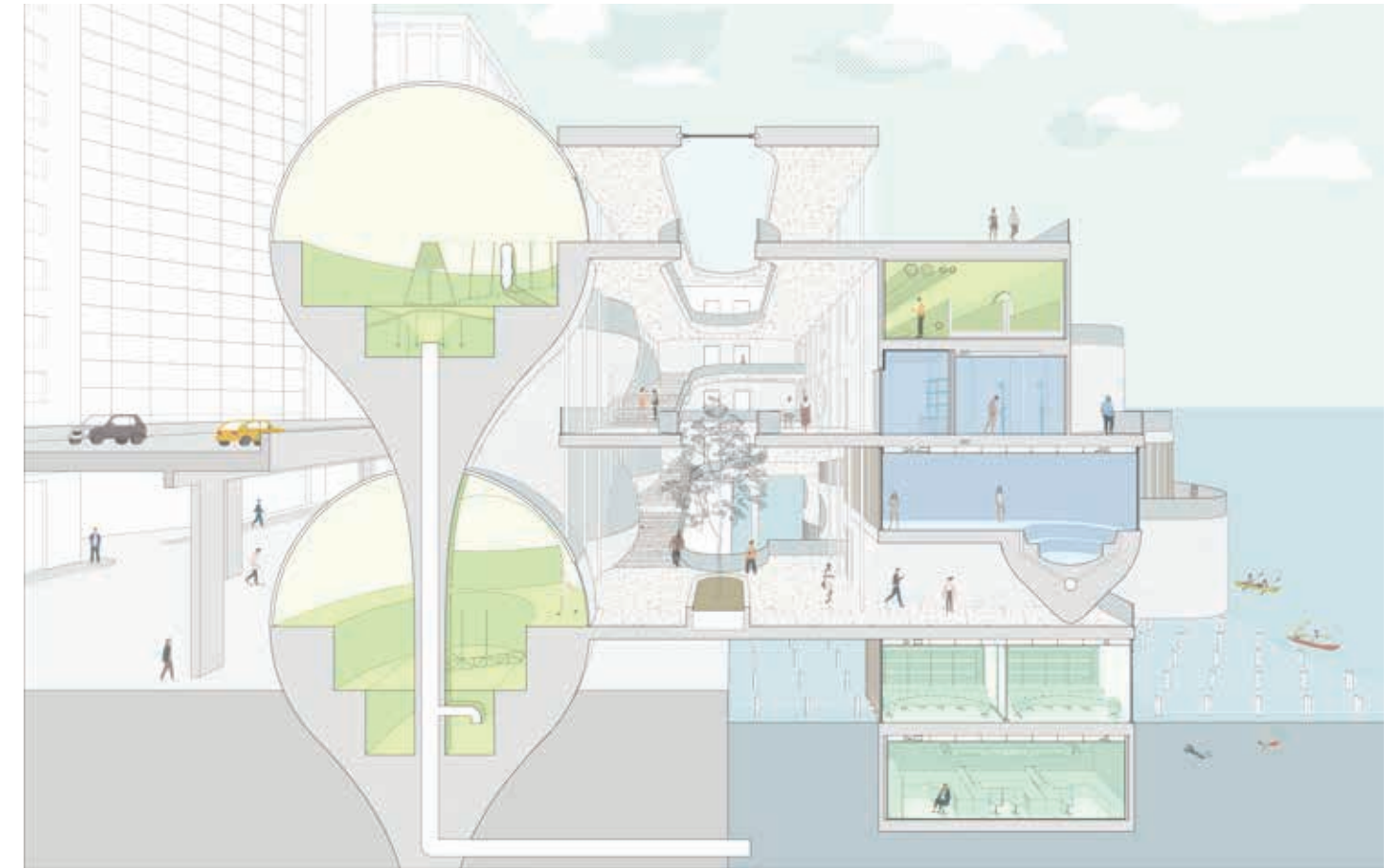
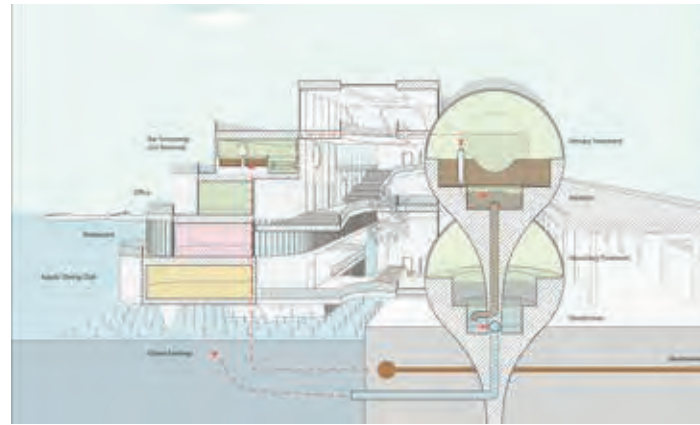


AQUAFLOW

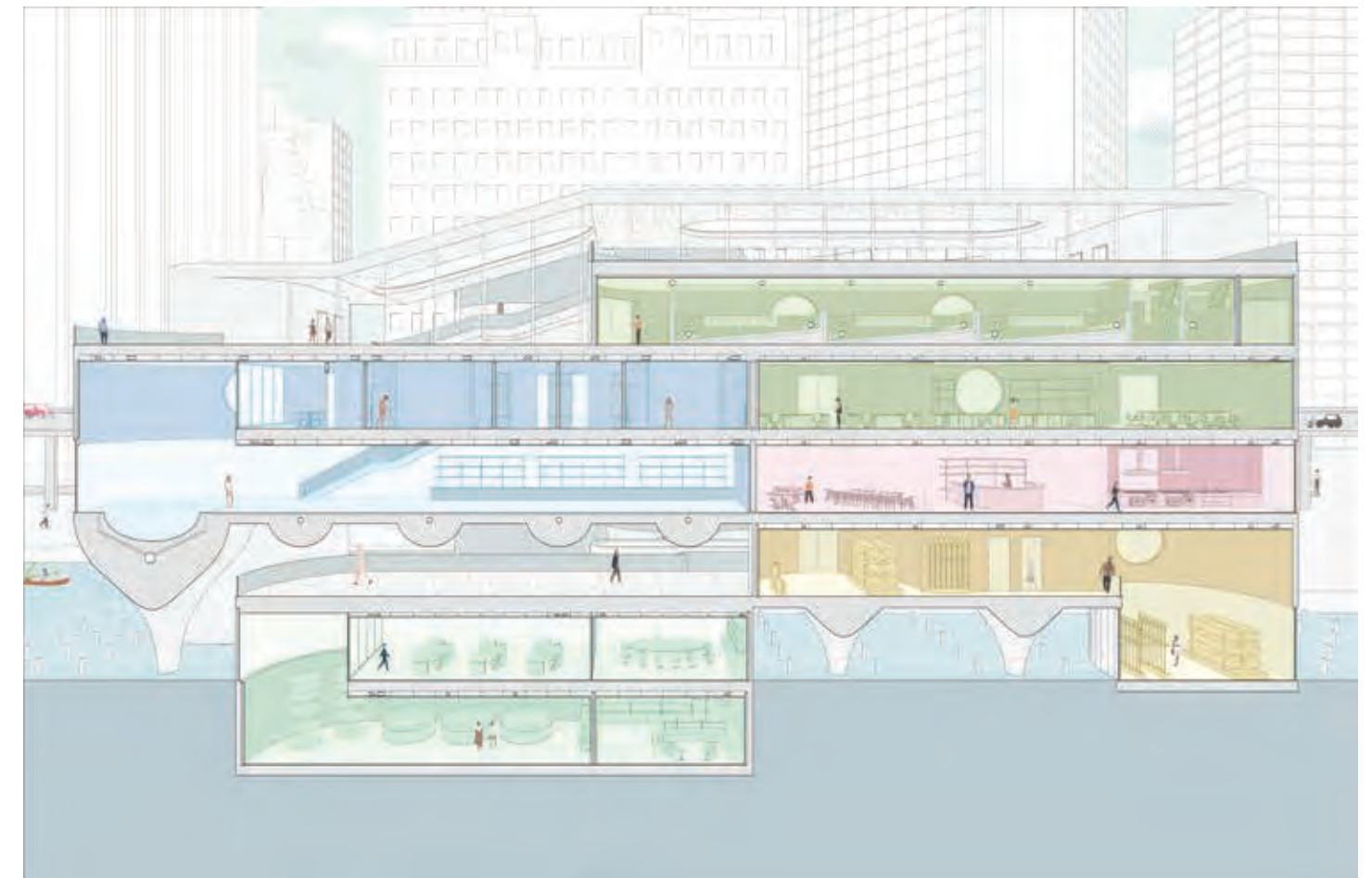
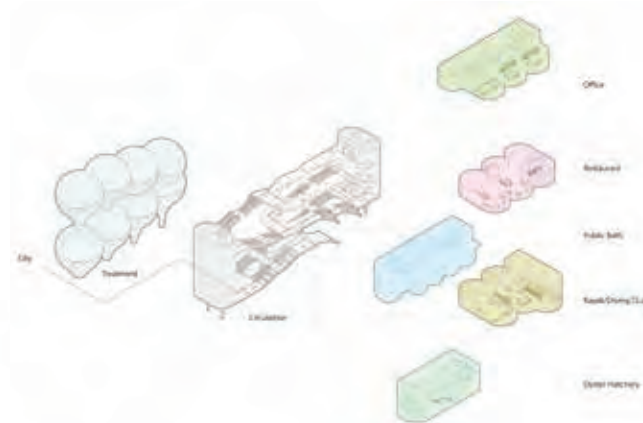
Advanced Architecture Tutorial
Prof. Dan Wood
Summer Semester, 2022
Student Work

This studio examined the urban and infrastructural networks connected through the septic system. It looked at the history of sewers and sewage and how the public has interacted and grown fascinated with them. It looked at how architects and artists have addressed infrastructure and sewers in their work from Modernism until today. And finally, it looked at the potential future of the septic system and how it can function as an integral new people of a global green movement to make cities more ecological.

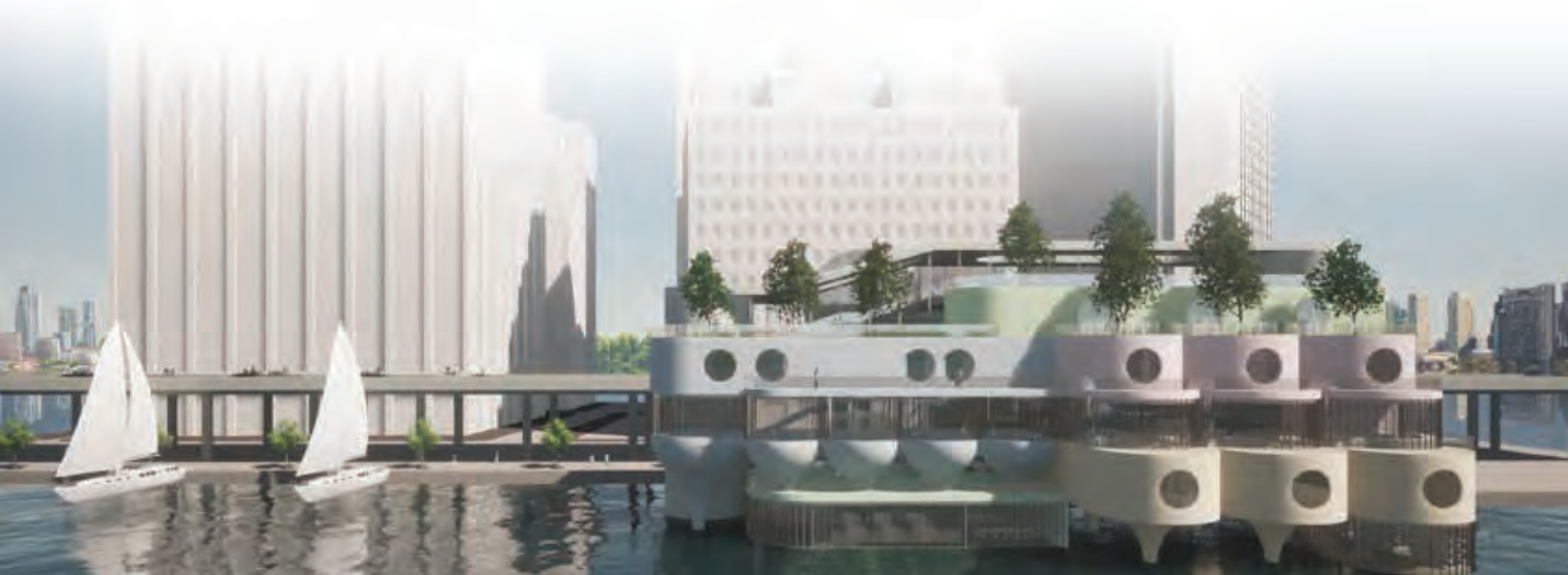
The project seeks opportunities to negotiate the relationship between community and infrastructure and create a social and cultural space for the public. The project forms a central circulation with the wastewater treatment on one side and the public service on the other. The circulation blends the infrastructure with other programs such as public baths, restaurants, kayak clubs, and oyster farms. As the wastewater is released from the treatment plant, the water contains chemical acid pollution. AquaFlow tries to reduce acidity by implementing the oyster field to neutralize the wildlife environment.



Section Perspective



Section Perspective

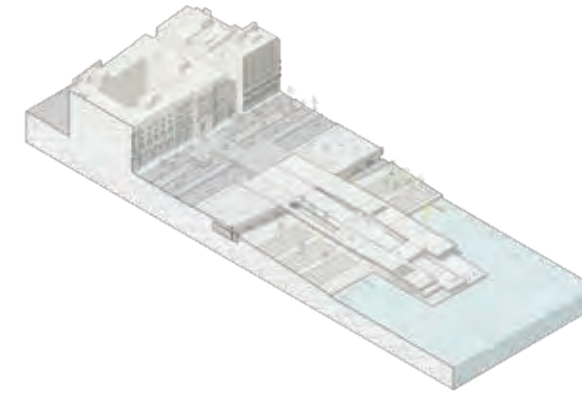


FOLDING SCAPE

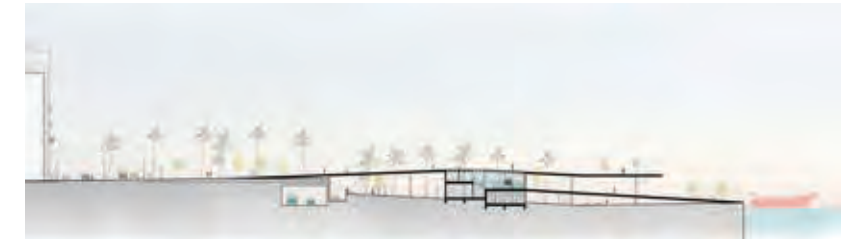
Arch 402b- Architectural Design IV
 Prof. John Dutton
 Fall Semester, 2021
 Student Work

The limit between water and land is a man-made condition that is constantly evolving through time. Historically, the city near the port was defined by the Muralla de Mar, a 15th century wall, that once stood near the limit of the water. Its effect created a linear facade along the port that's influenced by existing infrastructure.

Through use of the existing urban grid and understanding the historical front along Passeig de Colom and Ronda Litoral, the project seeks to preserve the linearity of the city by extending the plaza and the street through a series of folding planes. With different height of the folding planes, the project introduces the fisherman warehouse as well as the restaurant to revitalize the waterfront.



Section A-A



Section B-B

Isometric



Office Plan



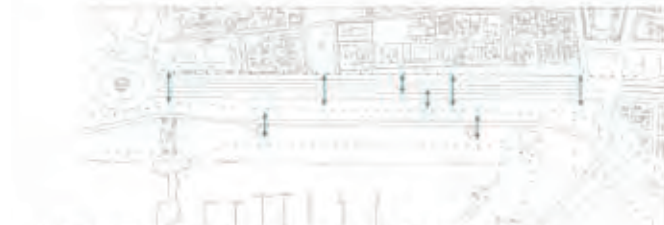
Warehouse Plan



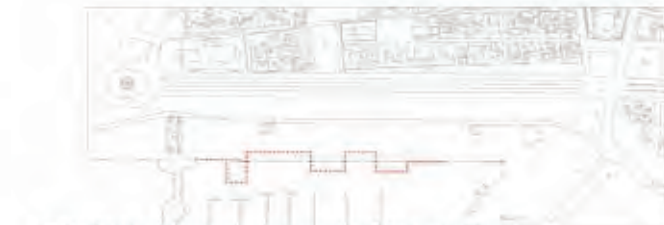
Passeig de Colom and Ronda Litoral present a prominent infrastructure barrier to the port.



Creating direct accessibility to connect the city to the water.



Limited amount of direct connections to access the port from the city.



Interlocking coastline increases perimeter of the original coast

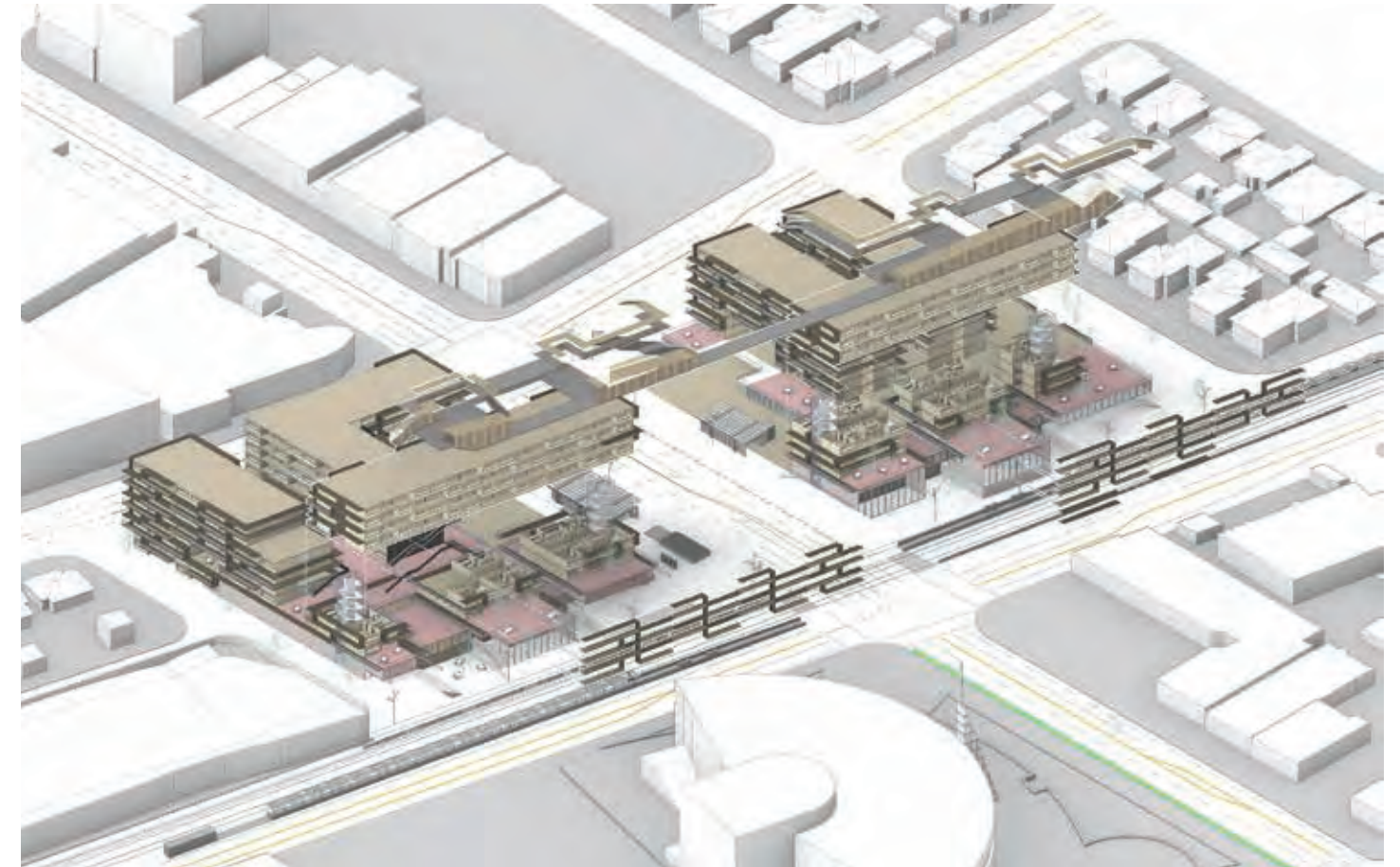
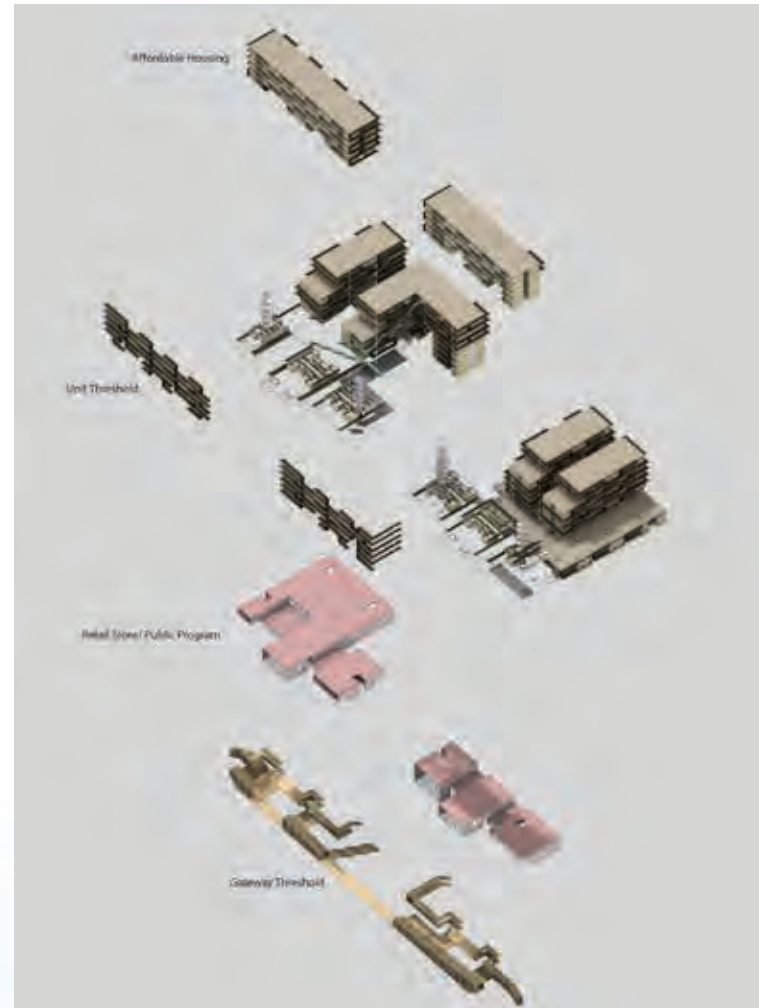


INSIDE/ OUT

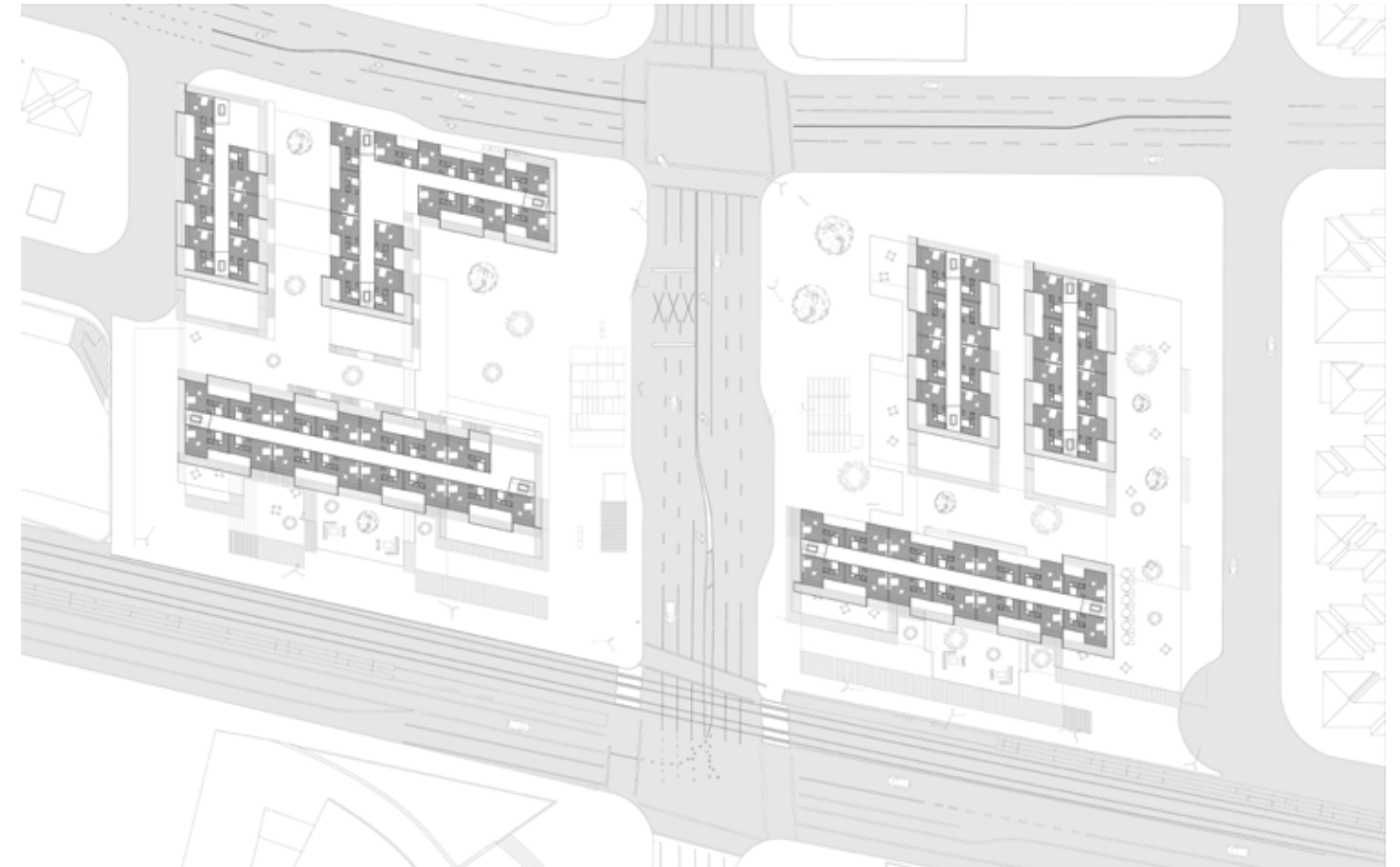
Arch 402a- Architectural Design IV
 Prof. Yolande Daniels
 Fall Semester, 2020
 Student Work

This project focuses on the relationship between the users and the threshold, which creates the gateway condition for the various users at different scales. The project sees human perception as a tool to guild the directionality for the users, who are mainly the residents from the local community, the residents from affordable housing, and the visitor from the metro station.

Throughout the threshold gateway, users are able to experience the change of the spatial quality, such as shifting in the horizon line, projecting different views, and changing in movement. Moreover, the threshold path is leading people to different cutout spaces with different activities to encourage intermingle life. In the end, this threshold gateway is not only a space in-between but a place where people will stop, gather, and interact to promote the social life in the neighborhood.



Isometric



Plan

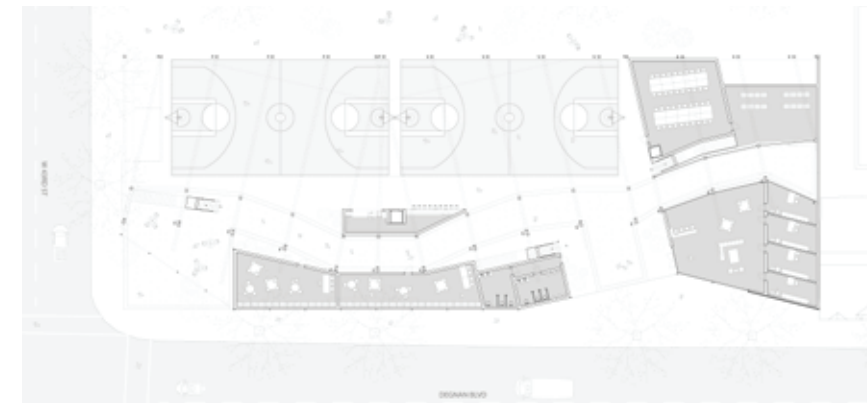
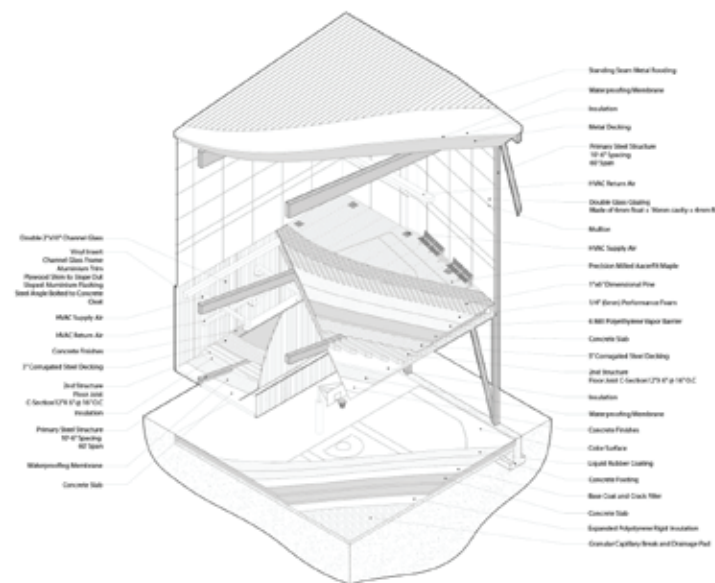
LEIMERT PARK COMMUNITY CENTER

Arch 302b- Architectural Design III
Prof. Selwyn Ting
Spring Semester, 2020
Student Work

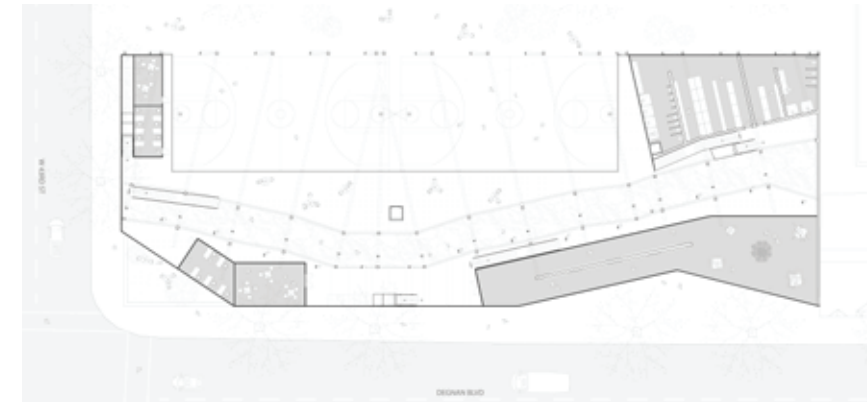
This project looks at how the infrastructure defines the placement of the program. Based on the public transportation layout, the exhibition gallery is located on the west façade, attracting potential visitors from the LAX and Santa Monica and the LA downtown residents.

The connection between each program forms the linear relationship from dynamic and active space to quiet and static.

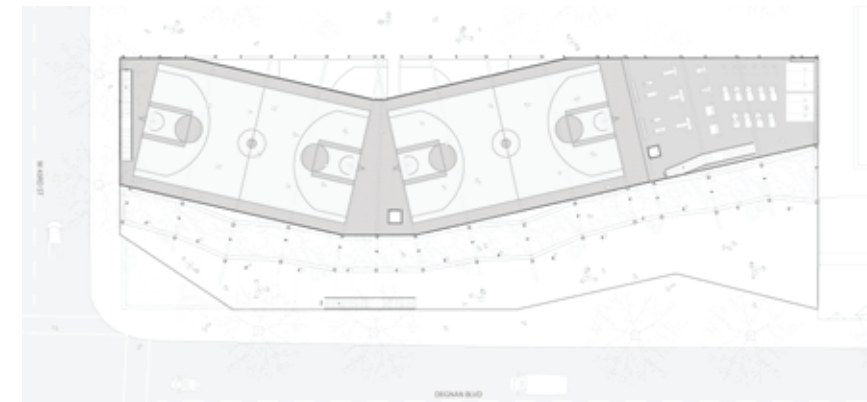
The linear relationship develops U shape geometry, in which the threshold is open to the public to create an urban gathering space for the community. As for structure, it is the connection between active and quiet zone, and it provides the user the freedom to mediate all the programs. The primary structure allows the project to have the direct circulation located at the center that corresponds to the linear relationship. Ultimately, the project is creating an open street landscape that has a visual connection and physically attracts people from all the places to promote social interaction.



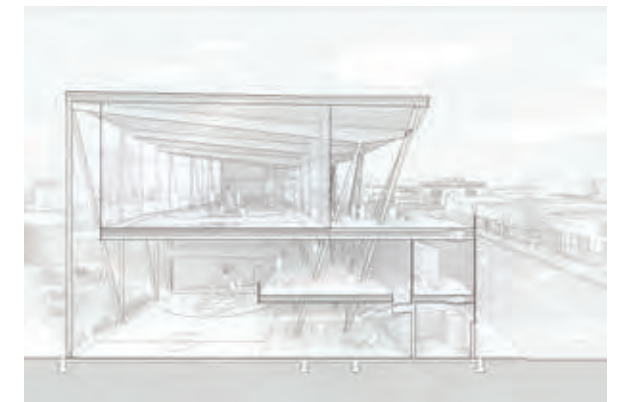
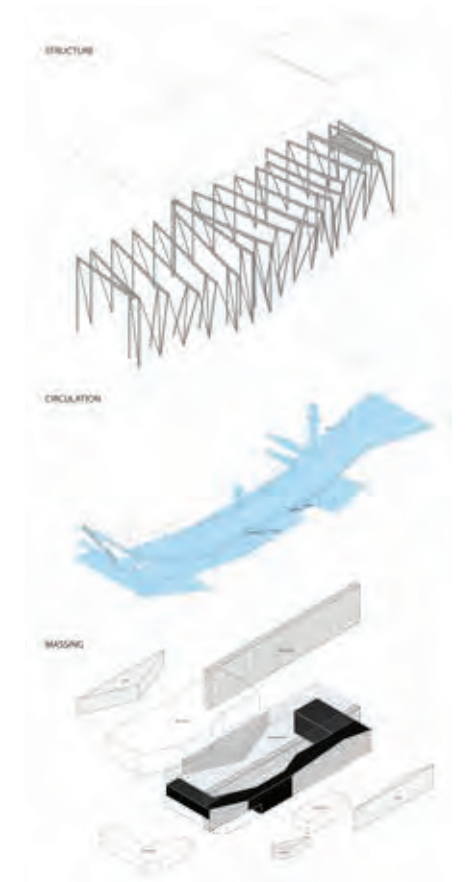
1st Floor Plan



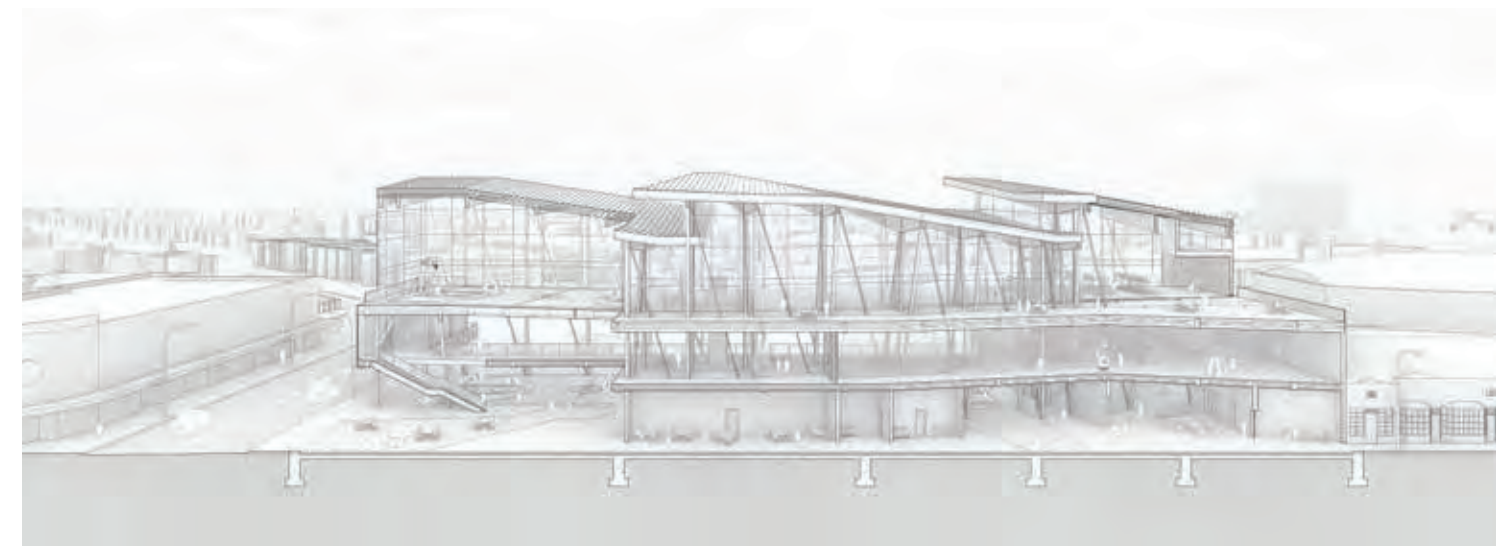
2nd Floor Plan



3rd Floor Plan



Section Perspective



Section Perspective



COHOUSING: AN APARTMENT WITH SHARING MOMENTS

Arch 302a- Architectural Design III
 Prof. Valery Augustin
 Fall Semester, 2019
 Student Work

In high population density city, the walkway, open space and plaza getting smaller are the consequences of people paying too much attention on privacy. This project is looking at the spatial transformation in program aspect and using it to bring up the notion of sharing that privatized elements would transform to public. In this project, the proposal is to create a co-living apartment with the corridor that encourage people to interact with others.

The apartment went through the operation of excavation to generate a solid and void relationship promoting the idea of "sharing". From micro to macro scale, two units are sharing one bathroom and a living room, four units are sharing an outdoor space and two cluster are sharing one main vertical circulation. Lastly, the community is sharing its public space with the public. One of the main solution to solve housing crisis is to increase social interaction through architecture.



MATERIAL TRANSFORMATION

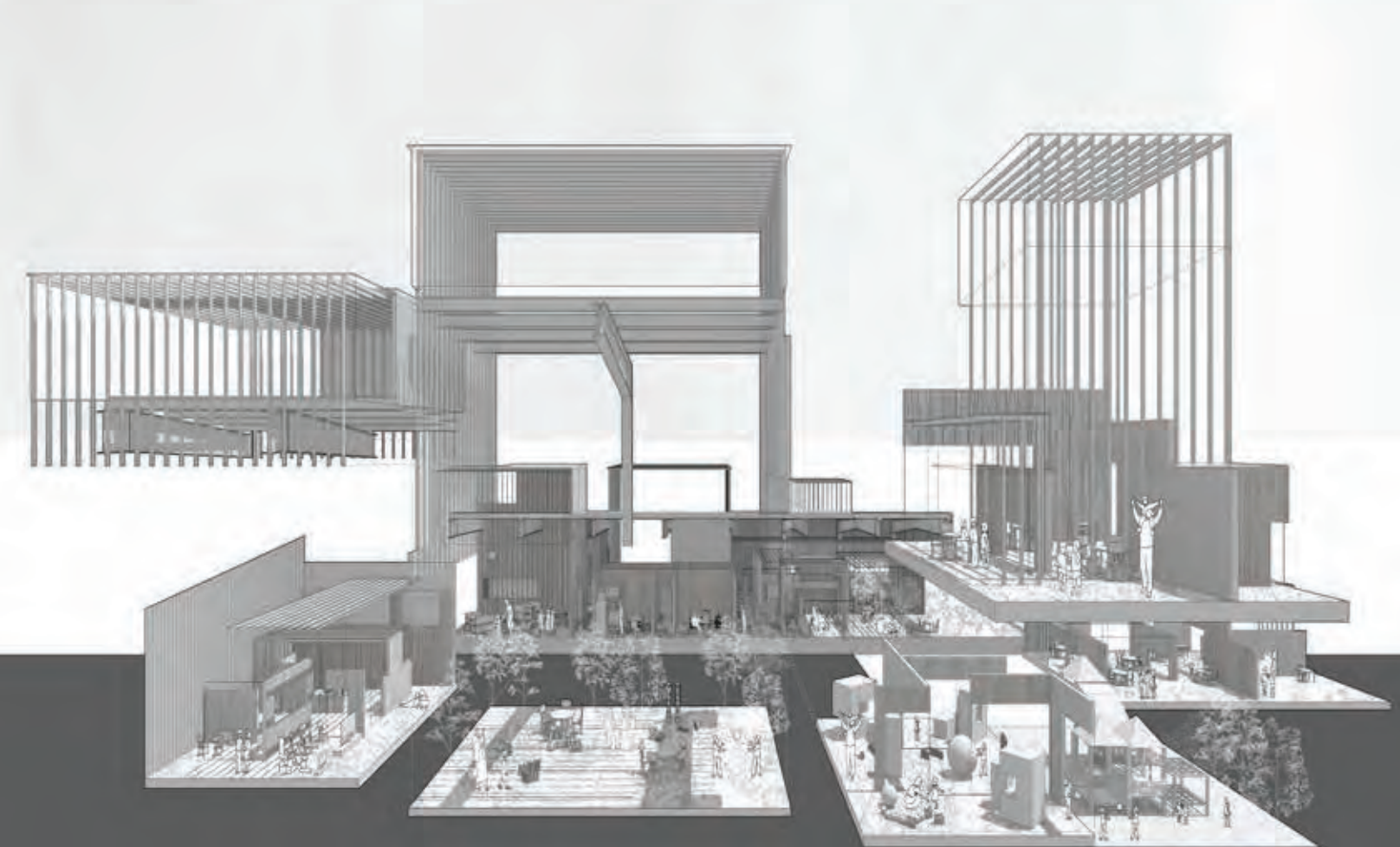
Arch 202b- Architectural Design II
 Prof. Eric Nulman
 Spring Semester, 2019
 Student Work

A kindergarten inspired by the John Hejduk 3X3 grid house. This project is focus on the effect of the materiality, instead of materiality its own; and, it brings up the notion of how materiality manipulates the user experience. Materiality allows the architecture to expose the assembling of structure which introduces the idea of deconstructivism and post- modernism, etc. As for this project, it explores the idea of immateriality using different material texture to define the space for the user.

When people lose the sensibility of color in their visual ability, people's insight would become more sensitive then usual. Following with the idea, differentiating the space with the roughness and softness texture from the wood and glass, it allows the users to acknowledge the effect that material provides as well as an indication of the program. Therefore, under these conditions, it produces an achromatic architecture.



Plan Perspective



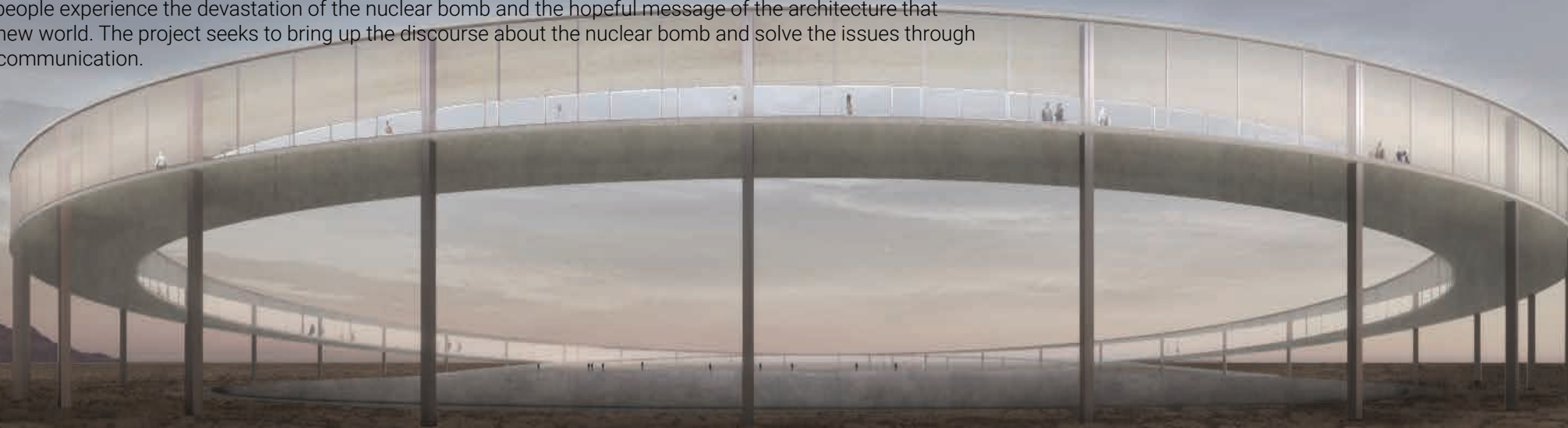
Plan Perspective

INFINITE LOOP

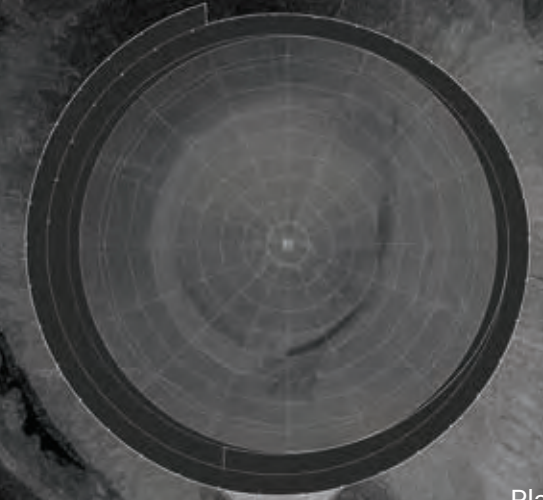
Bee Breeders Competitions- The Last Nuclear Bomb Memorial
Group Project: Justin Wan, Darwin Hu, Byron Wong, Steven Lin
Summer, 2021

With the future in such a state of uncertainty and political relationships more strained than ever, there is one more silent threat that could end up being more deadly and dangerous to humanity than a hundred pandemics: nuclear weapons. The destruction created by the nuclear bomb shows how powerful human technology is. It physically prevents conflict and mentally keeps people under surveillance. However, it brings people into a high-risk environment. Therefore, we support the call for a ban on nuclear weapons.

The infinite loop marks the end of the nuclear weapons and represents the new chapter in human history. Throughout the memorial, people experience the devastation of the nuclear bomb and the hopeful message of the architecture that expresses the new world. The project seeks to bring up the discourse about the nuclear bomb and solve the issues through a new form of communication.



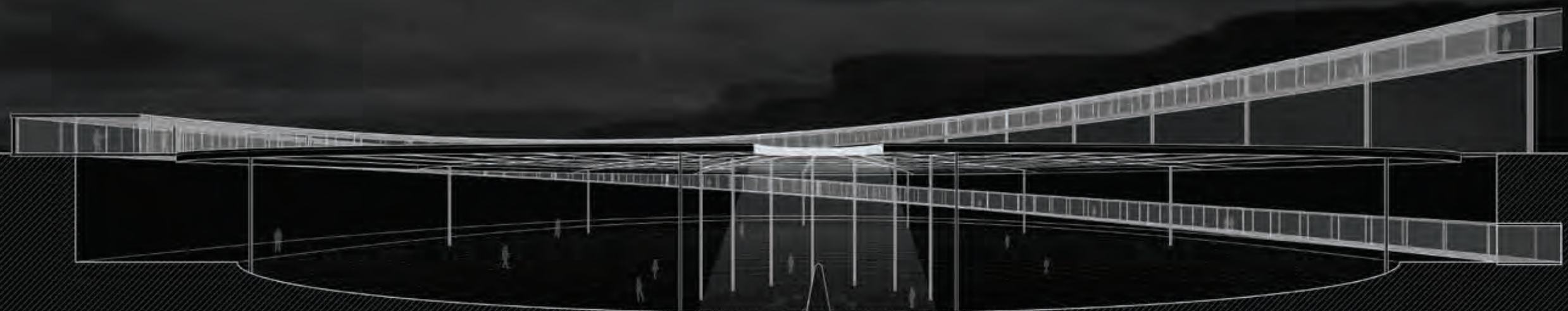
Perspective Render by Justin Wan



Plan



Isometric Diagram



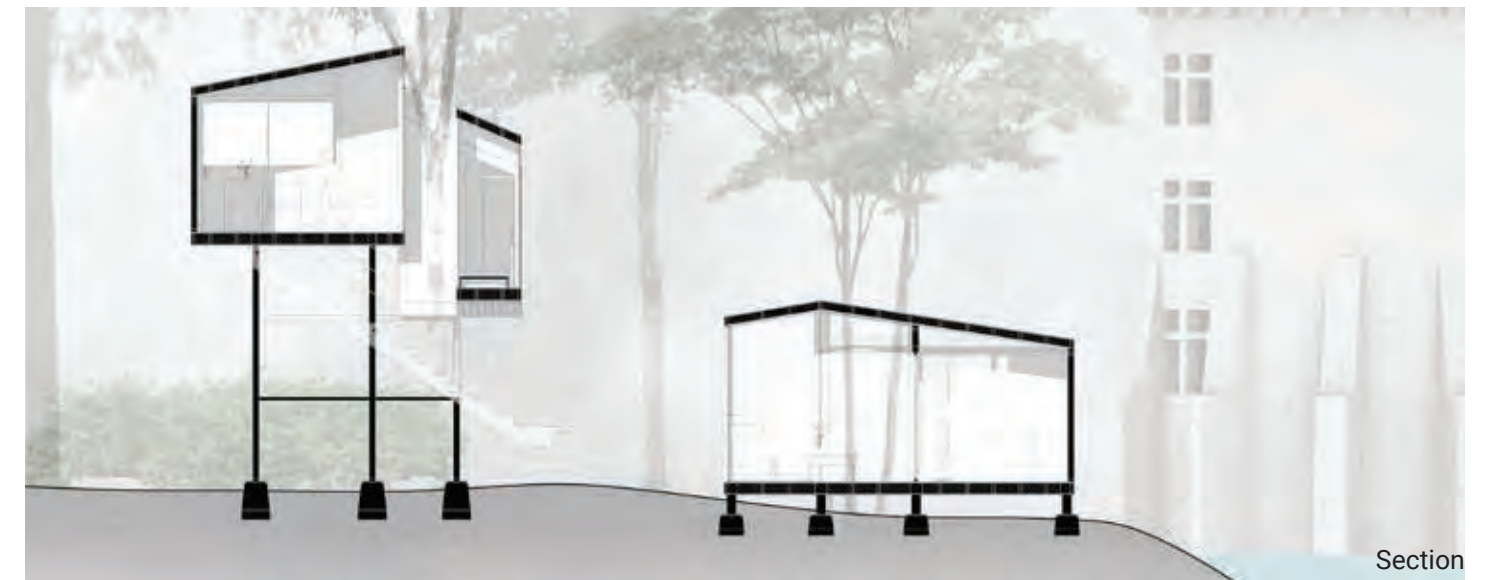
Section Perspective

FOLD AWAY

Young Architects Competitions- Tree House
Group Project: Justin Wan, Erik Orta, Rashi Gupta, Kristina Tom, Steven Lin
Summer, 2020

In the rural countrysides of France, the 3 castles stand today as historical monuments, and the former glory that once gave the structures their reputation has left without a trace. In the olden days, these manmade forts claim the natural landscape as defensive lookouts for civilization to grow. Today, these castles are left as ruins, slowly consumed by invasive plants, which now claim the sovereignty of these lands. While nature and architecture exist as elements on opposite ends of the spectrum, the treehouse physically manifests itself as a balance point between the two. This typology serves to counteract the narrative of nature as an invasive element on site, negotiating with nature to provide comfortable spaces for its inhabitants.

Our proposal seeks to simulate a harmonic relationship between nature and architecture by optimizing the inhabitant's interaction with nature through physical and visual connections with the outdoors. Habitable spaces are placed to circumscribe the tree, which becomes the definitive element that drives the programmatic organization of the living spaces.



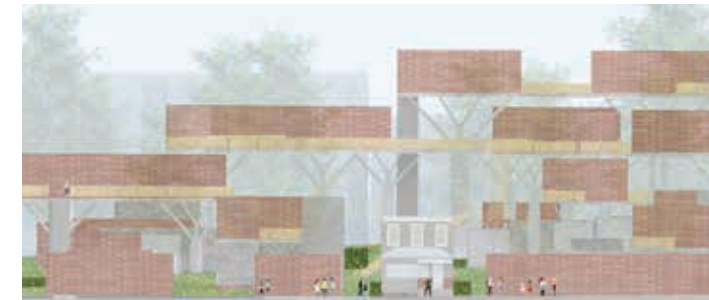
BRINGING BACK THE GREEN

2019 NOMAS Competition

Group Project: Justin Wan, Darwin Hu, Byron Wong, Jose Zagal, Yesenia Diaz Porcayo, Shenaia Turner, Alexia Avanessian, Steven Lin
Fall, 2019

Alongside the birth and recent developments of New York City and its architecture, comes an underlying trend of exclusion. The very act of defining and claiming ownership of certain spaces, manifests itself physically as the vertically imposing typologies of the city. The impenetrable mass of these buildings act as a sort of defensive front that serve to intimidate and fend off street-goers. The row houses in Flatbush act as a prime example of such architecture in which their exterior communicates a sense of territorial claim and sovereignty of the land. To challenge this is to create a place that is understood as inclusive. "Architecture" often excludes and implies ownership, so instead, we turn to that which belongs to no one, but at the same time provides a sense of place: nature.

The proposal works to break down the defensive structure of these urban typologies by the introduction of natural elements and its forms, which serve to counteract the narrative of definitive exclusion with one of inclusive integration.



Elevation



Elevation



Section



Perspective by Jesse Chappelle & Steven Lin



HESS SCHOOL

StudioBase Architects

Team: Ming-Wei Huang, Hao-Min Hsu

Designer: Timon He, Bey Wu, Steven Lin

Work Project

Summer, 2021

The Hess School in Taichung is a kindergarten providing daycare and tutoring services. The project seeks to provide a learning experience with greenery landscape. The site context allows an outdoor backyard to be a gathering space and embrace the natural element. With the limited budget, the project focuses on developing the frontal facade to create the louver shading system and engage the community.



WAN-TA POWER STATION

StudioBase Architects

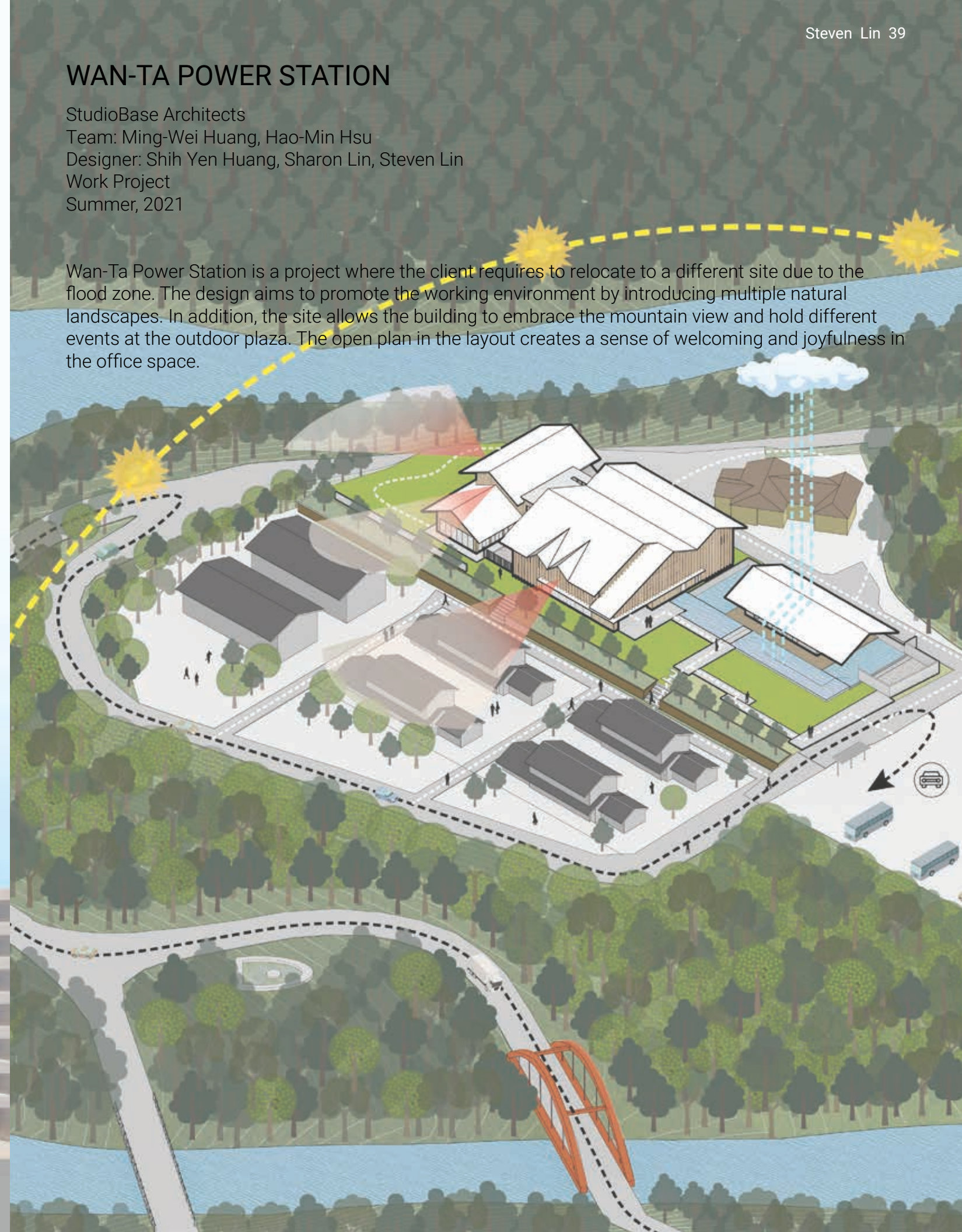
Team: Ming-Wei Huang, Hao-Min Hsu

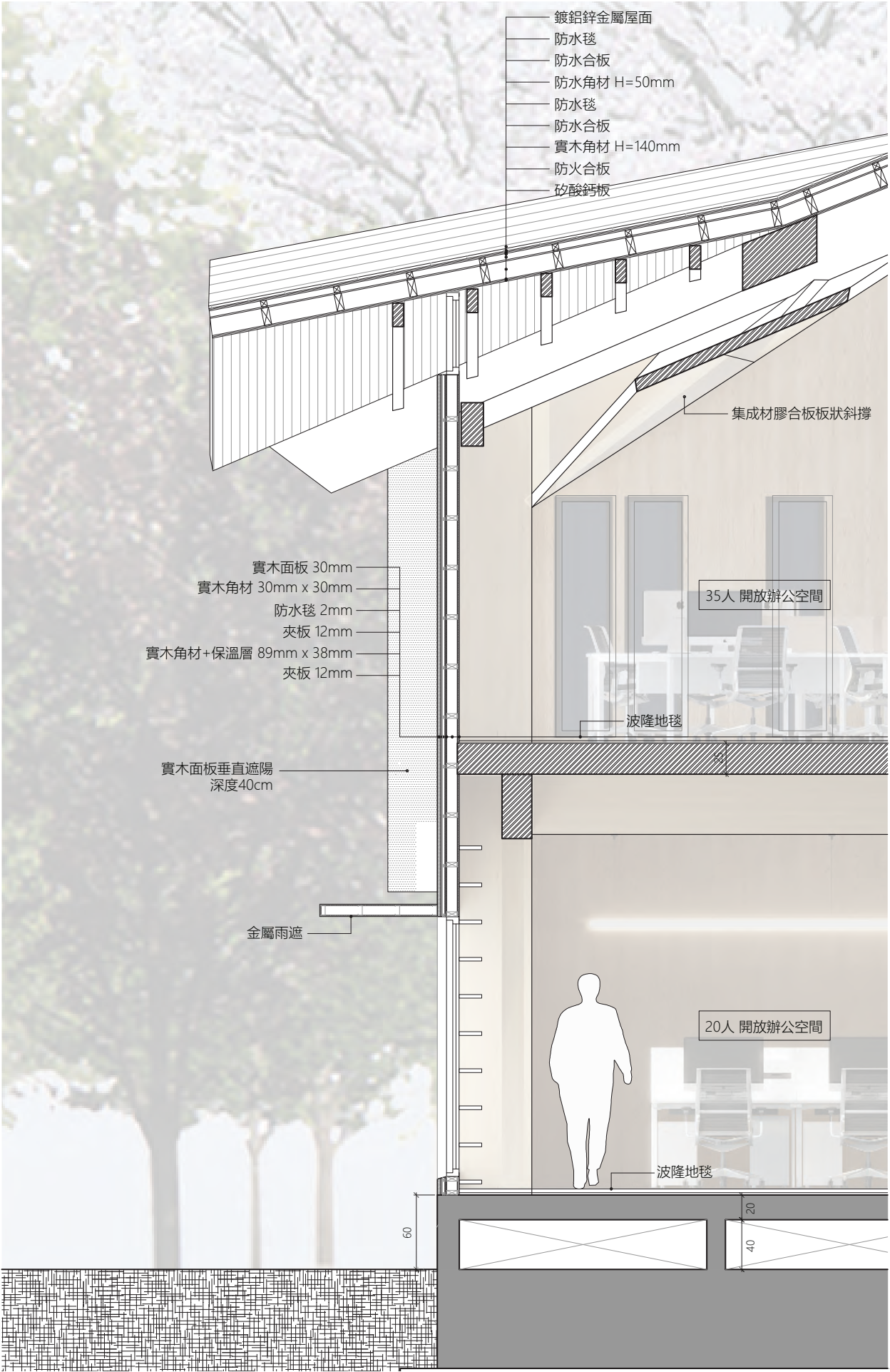
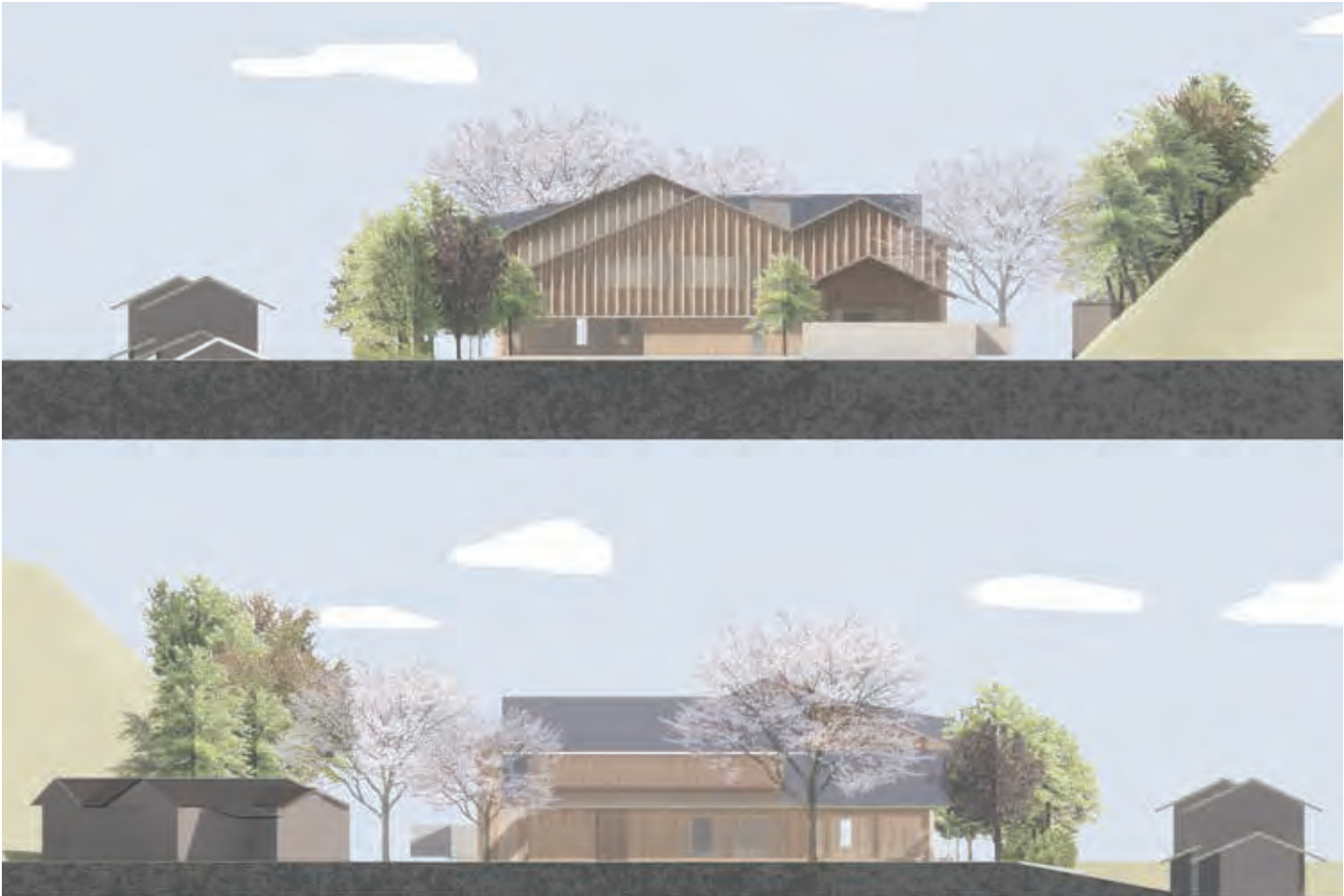
Designer: Shih Yen Huang, Sharon Lin, Steven Lin

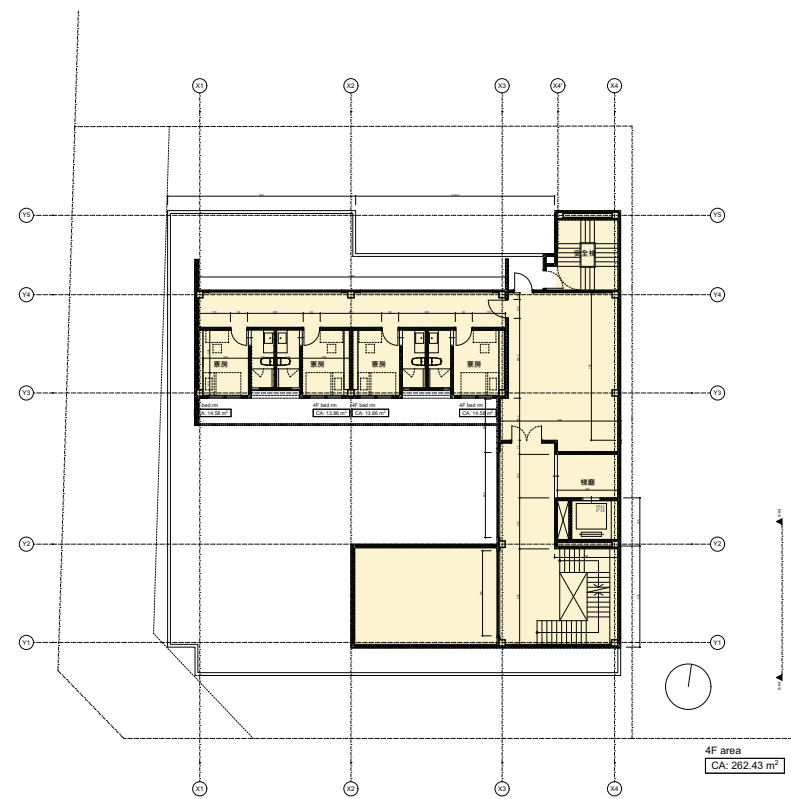
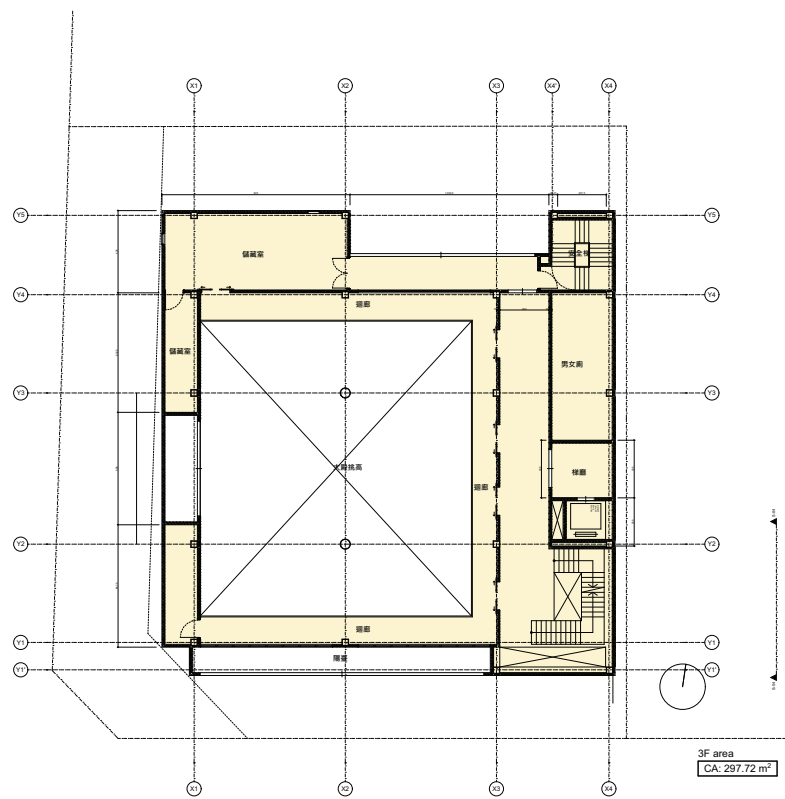
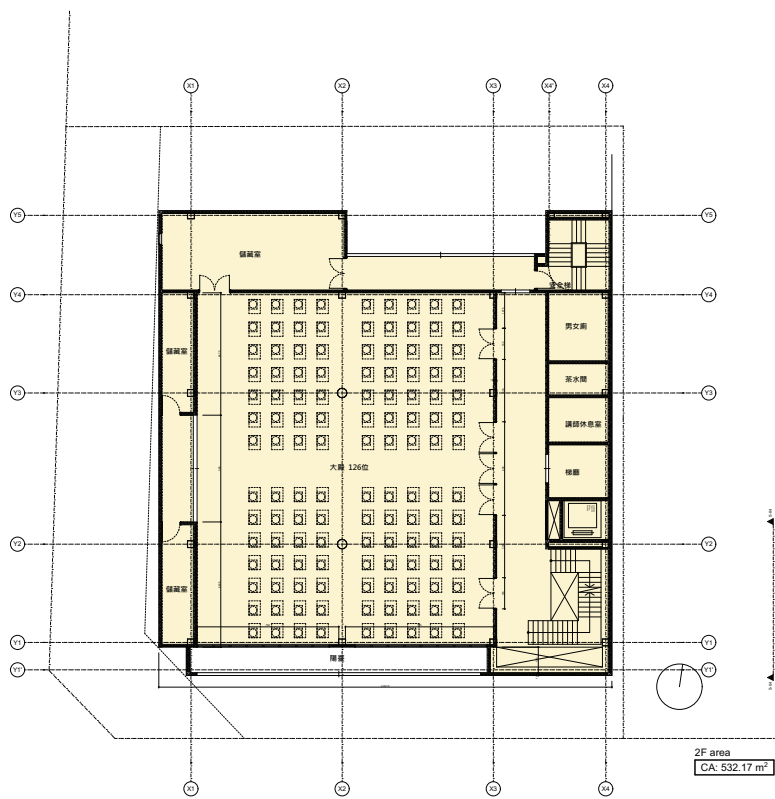
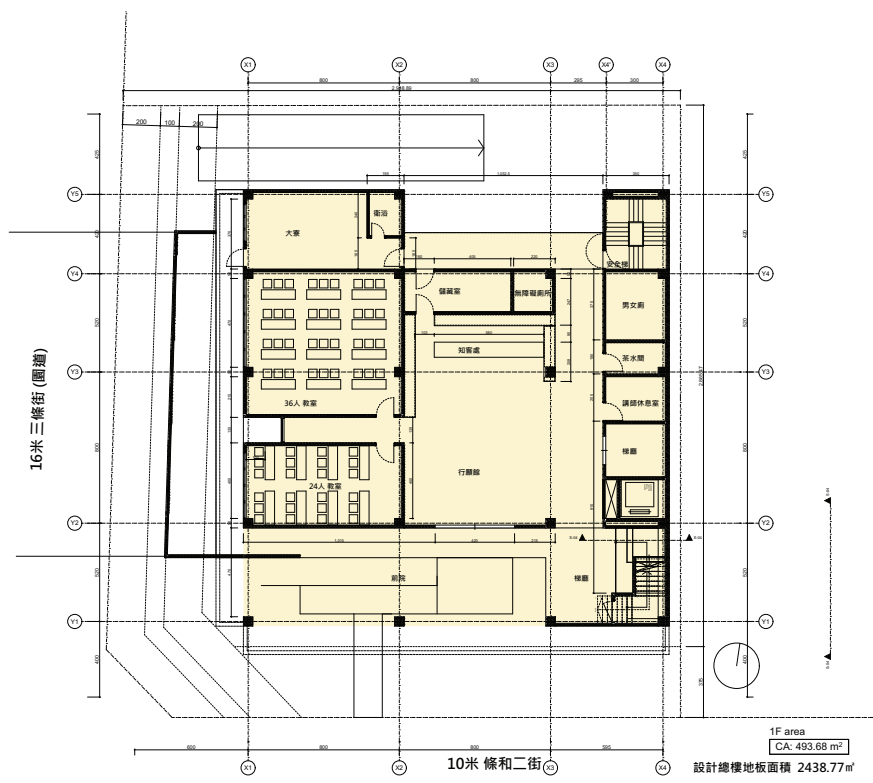
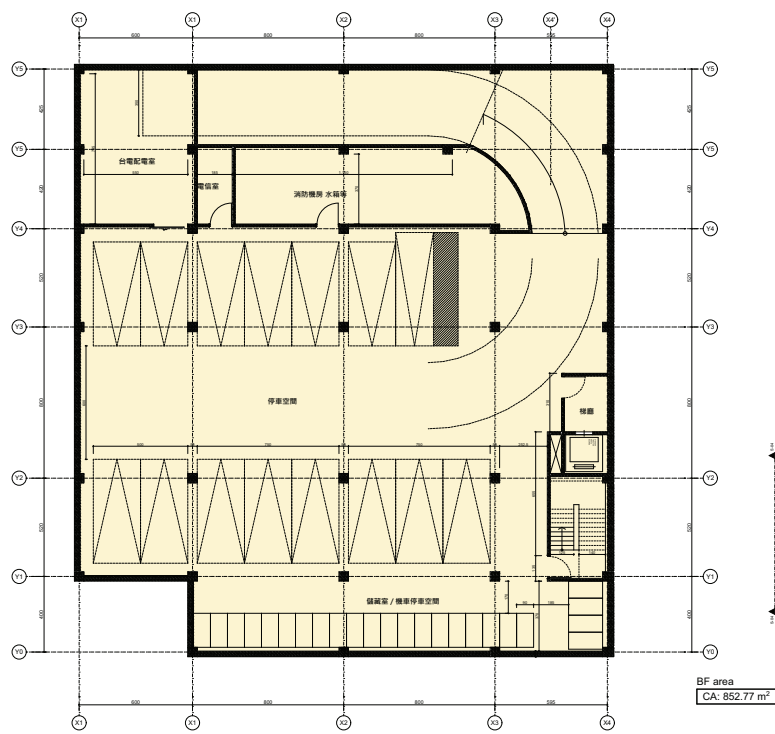
Work Project

Summer, 2021

Wan-Ta Power Station is a project where the client requires to relocate to a different site due to the flood zone. The design aims to promote the working environment by introducing multiple natural landscapes. In addition, the site allows the building to embrace the mountain view and hold different events at the outdoor plaza. The open plan in the layout creates a sense of welcoming and joyfulness in the office space.







TAIPEI JEWISH SYNAGOGUE

Ricky Liu Associates Architects + Planners
 Team: Ricky Liu
 Designer: Ricky Liu, Jian Long Lin, Steven Lin
 Work Project
 Summer, 2019

This Jewish Synagogue was commissioned in Spring 2019. It is a multi-function building that includes a restaurant at the lower level with a Jewish Synagogue on the upper floor. It utilizes the relationship between the lighting condition and interior space to create a sense of sacredness. The design activates the space through a series of push/pull operations to attract the public.



JIN HUA PUBLIC HOUSING

Ricky Liu Associates Architects + Planner
 Team: Ricky Liu
 Model Assembly: Feng Wei, Winnie Cai, Roxana Liu, Edward Kim, Steven Lin
 Work Project
 Summer, 2019

This project is a Taiwan Government Public Housing. The goal is to create an infrastructure to facilitate public service and benefit the community. In addition, there is historic preservation adjacent to the southern part of the site. Therefore, the proposal is to generate an architecture that revitalizes the community and the historic preservation.



ROOFTOP URBANISM/ BACKYARD URBANISM

Bureau Spectacular

Team: Jimenez Lai, Joanna Grant, Jake Parkin, Lena Kohl, Xiaowan Qin, Alicia Jones, Jade Narrido, Chieh-Ting Chuang, Georgia Pogas, Kyoung Eun Park, Michael DePrez, Yu Han, Yushan Menn, Lauren Mitchell, Karolina Dohnakova
Model Assembly: Evan Ho, Jacob Tennant, Fernanda Echeverri, Sam Anderson, Christine Du, Linda Deng, Emily Wu, Steven Lin
Work Project
Summer, 2018

Rooftops & Backyards is an exhibition by Bureau Spectacular at Taiwan Academy. In the urban context of both cities, people experience shortages of accessible spaces. It has resulted in the high cost of living in the real estate market and created a sense of discomfort caused by the unaffordability of housing. The exhibition brings up the discourse on Accessory Dwelling Units and awareness of the social needs.



Section View



Street View



City View



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