

Talia Jialun Li

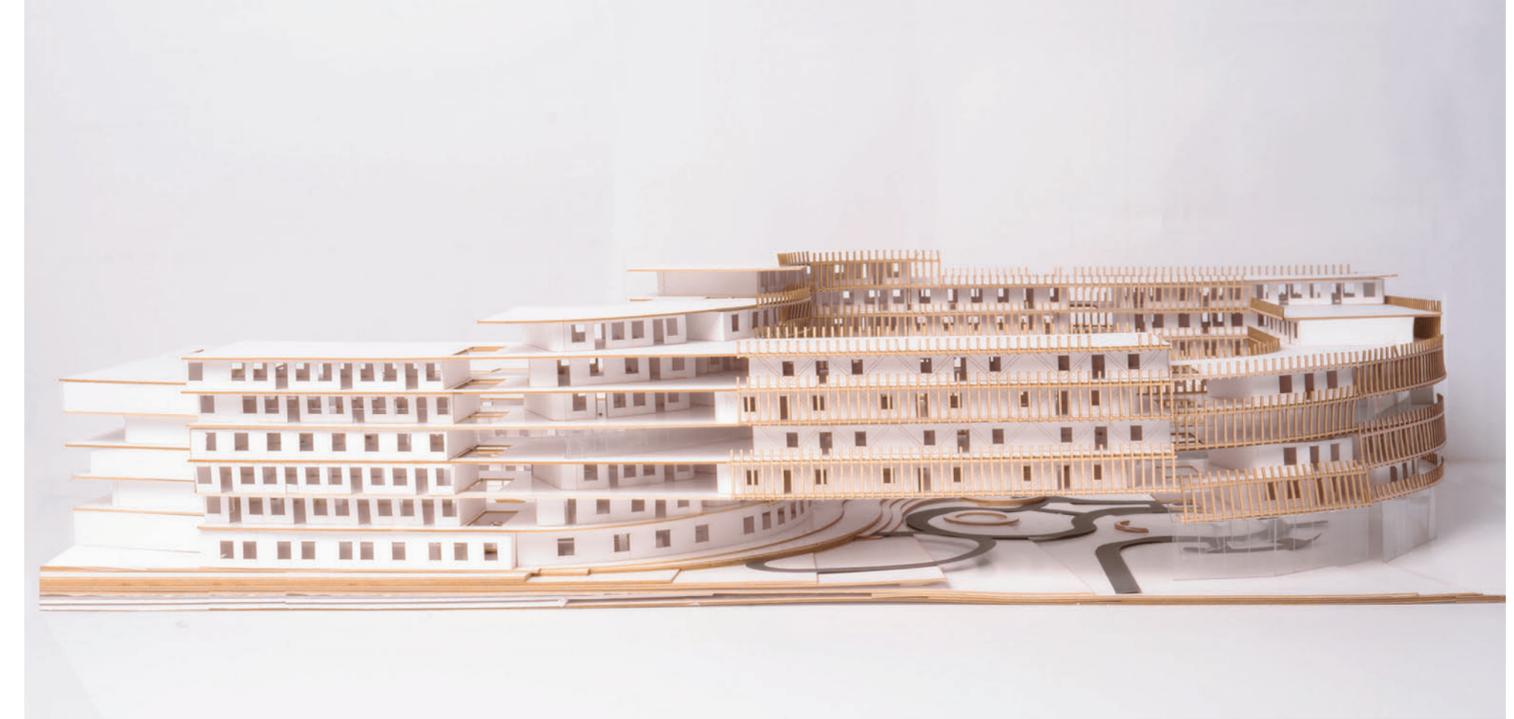
Columbia GSAPP
Portfolio 2022

Social Housing: Balcony for All

South Bronx, New York, NY

Architecture Design
GSAPP CORE III \ 2019 Fall
Critic: Gaila Solomonff
Partner: Charlotte Sie Wing Ho

We believe social housing should also have a "luxury" feature that will ensure its lasting value. In our case, we aimed to provide everyone with balconies. This housing project identified the need of mixing young professionals and family households in the South Bronx local neighborhood and provided two types of units: co-living apartments and single-family units. Aimed to provide effective public space for both residents and the neighborhood, this project created two courtyards to serve two groups.





Private Courtyard and Public Courtyard Serving the Residents and the Community

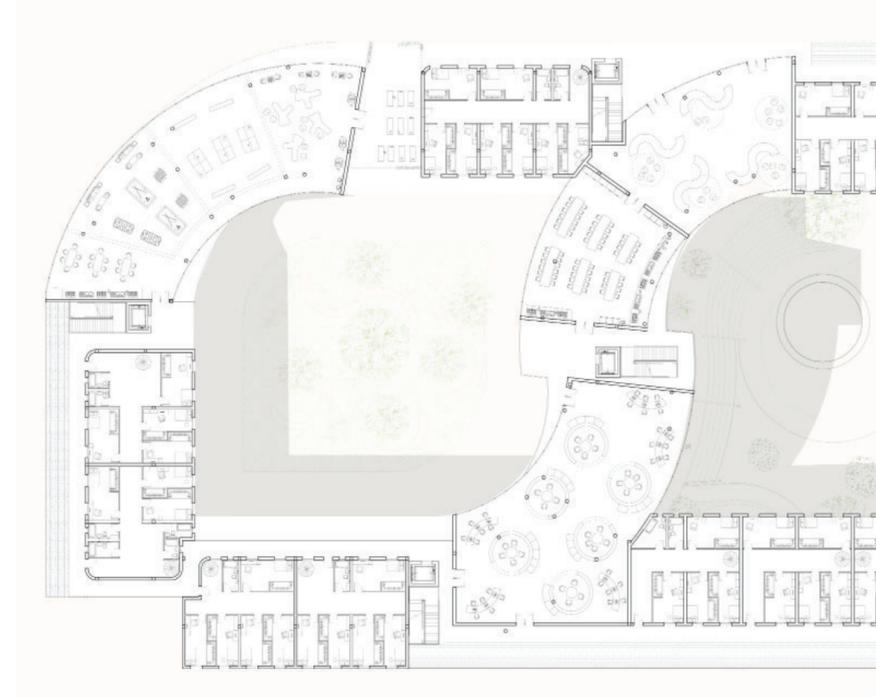


Private Courtyard Allowing Children to Play Safely
Alternating Corridors Allowing More Balconies

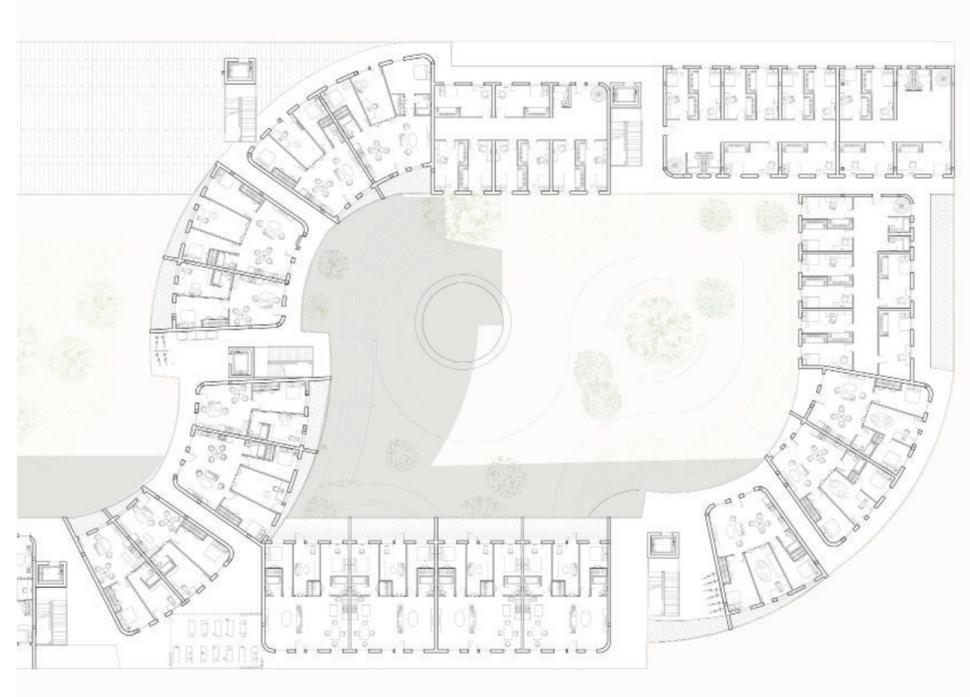


Expanded Core Becomes the
Converging Points for Residents

The west side courtyard is designed to serve only the residents. Compared to the east side, this side has a lower height, making it feel more intimate and secure. The single-loaded corridors alternate on different floors. The cores are located in the meet point of hallways, allowing residents to meet and flexibly use the spaces around the expanded, open to air central core and hallways.



Fifth Floor Plan:
Co-living Units and Shared Facilities For Young Professionals



Fourth Floor Plan:
Single Family Units and Co-Living Units for Young Professionals



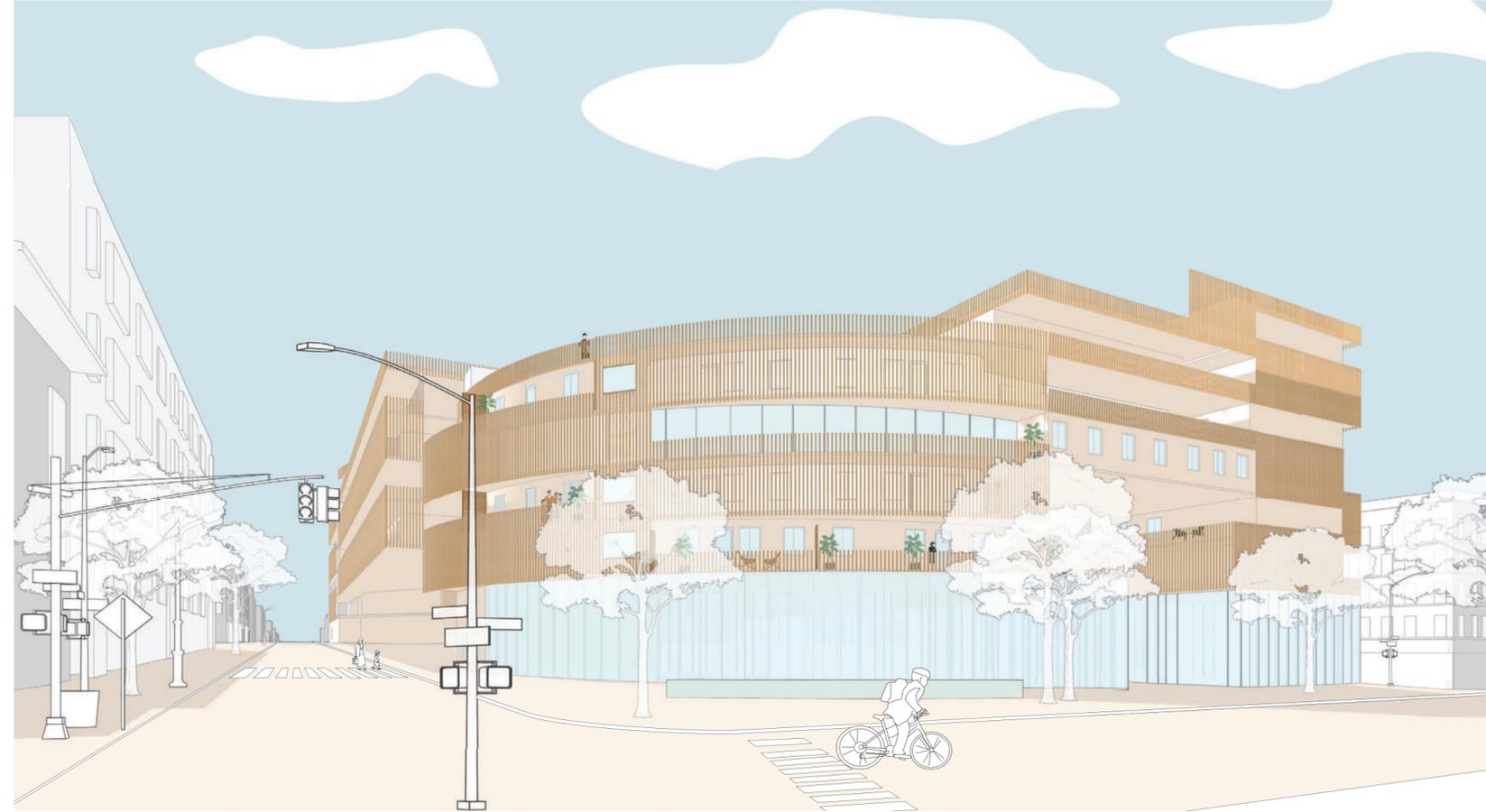
Expanded Hallway & Shared Balconies for Families and Young Professionals

The massing utilized the shrift of the quarter-radius-shaped modules to allow balconies on every floor without adding additional structures. As a result, hallways and balconies alternate on every floor. The operation also generated expanded converging points. They become a semi-public common space for residents. For young professionals, they shared balconies provide social platforms. For families, expanded hallways become a safe place for children to play.

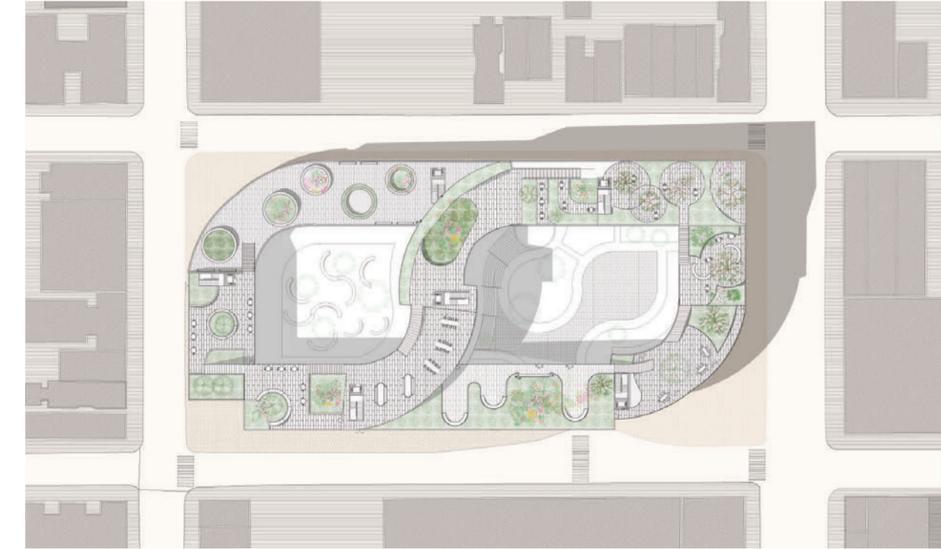


Expanded Core for informal gathering and Alternating Single Loaded Corridors

The project provides two separate courtyards on the east and west sides. The east side courtyard is envisioned to be more open and vivid. The storefronts on the ground level continued the heritage of the commercial street on the adjacent avenue. It also invites local citizens to come in and enjoy a public plaza. The west side courtyard is an exclusive and quiet space for residents. Besides the two yards, the projects also offer a continuous roof garden accessible from all floors, creating private outdoor access.



Commercial Side Entrance



Rooftop: Shared Garden for Residents



Ground: Private Courtyard and Open Commercial Plaza

Above and Under: Reuse a Warehouse

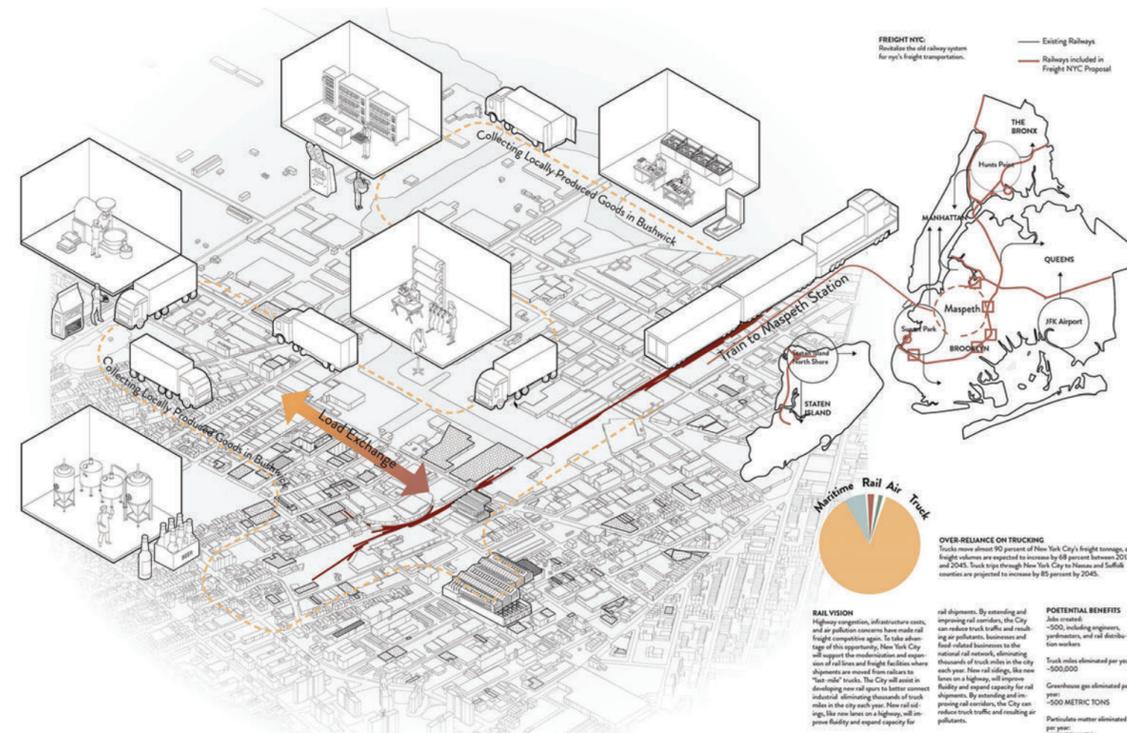
Bushwick, Brooklyn, NY

Architecture Design
GSAPP ADV \ 2021 Fall
Critic: Marc Tsurumaki, LTL Architects
Partner: Alexa U Kei Long
Software used: Rhino, Enscape, Adobe AI PS

The project was conceived to be a mixed-use complex to reconsider the possibility of reusing a common but soon-to-be outdated typology: warehouse. The original facade and the structural grid will be preserved.

In the South Brooklyn Bushwick neighborhood, we found lots of obsolete warehouses. Bushwick was historically known for its various manufactories. Today it is influx with modern sound and image production industry. The project thus strives to become a hybrid space where co-production could happen: the ground level is an open market. Locally produced food and goods can be sent to be on display here. They can also be packaged and transported to the rest of NYC by reutilizing the abandoned railway. Independent sound and image artists will have a sun-soaked workspace.





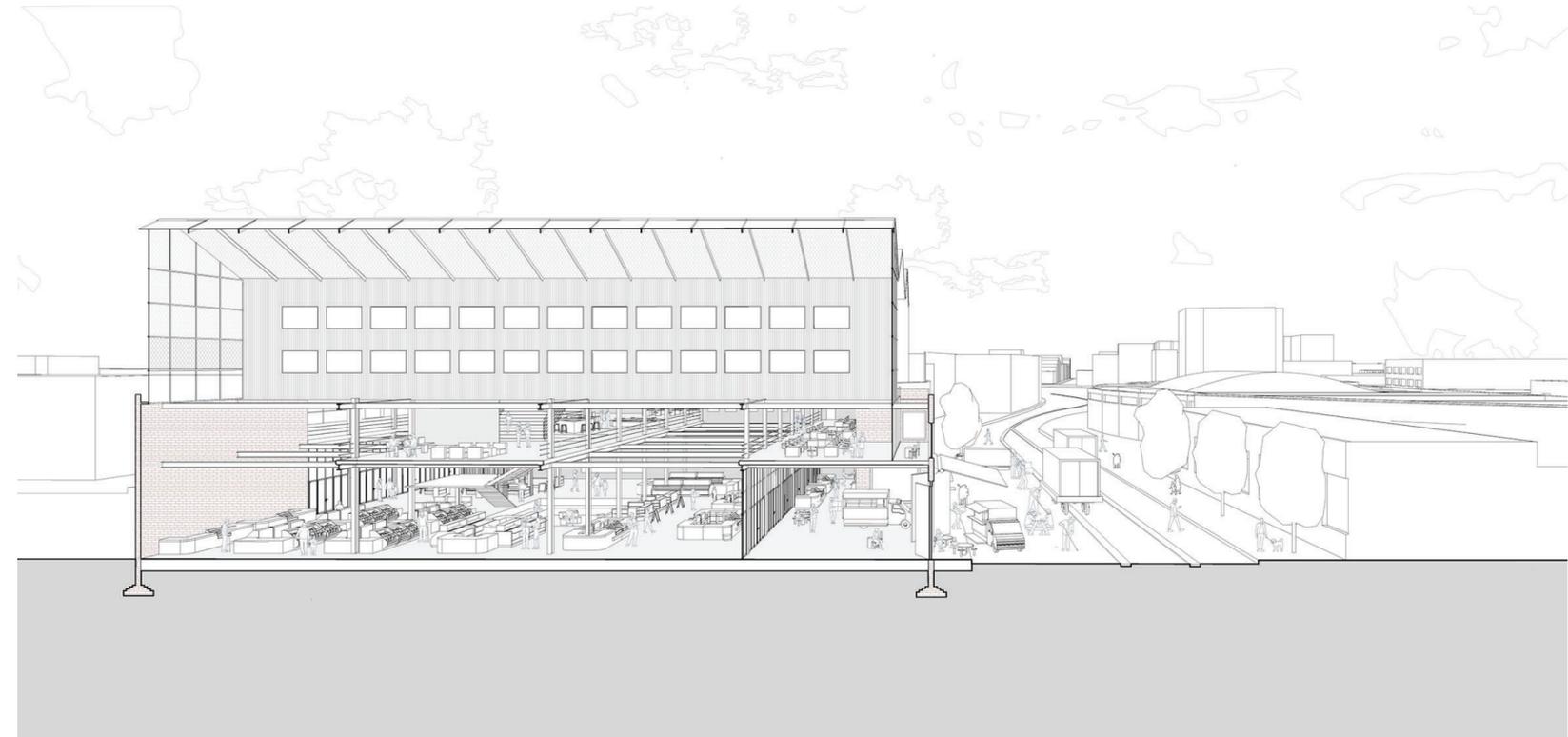
Revive the Adjacent Railway to Transport Locally Produced Goods



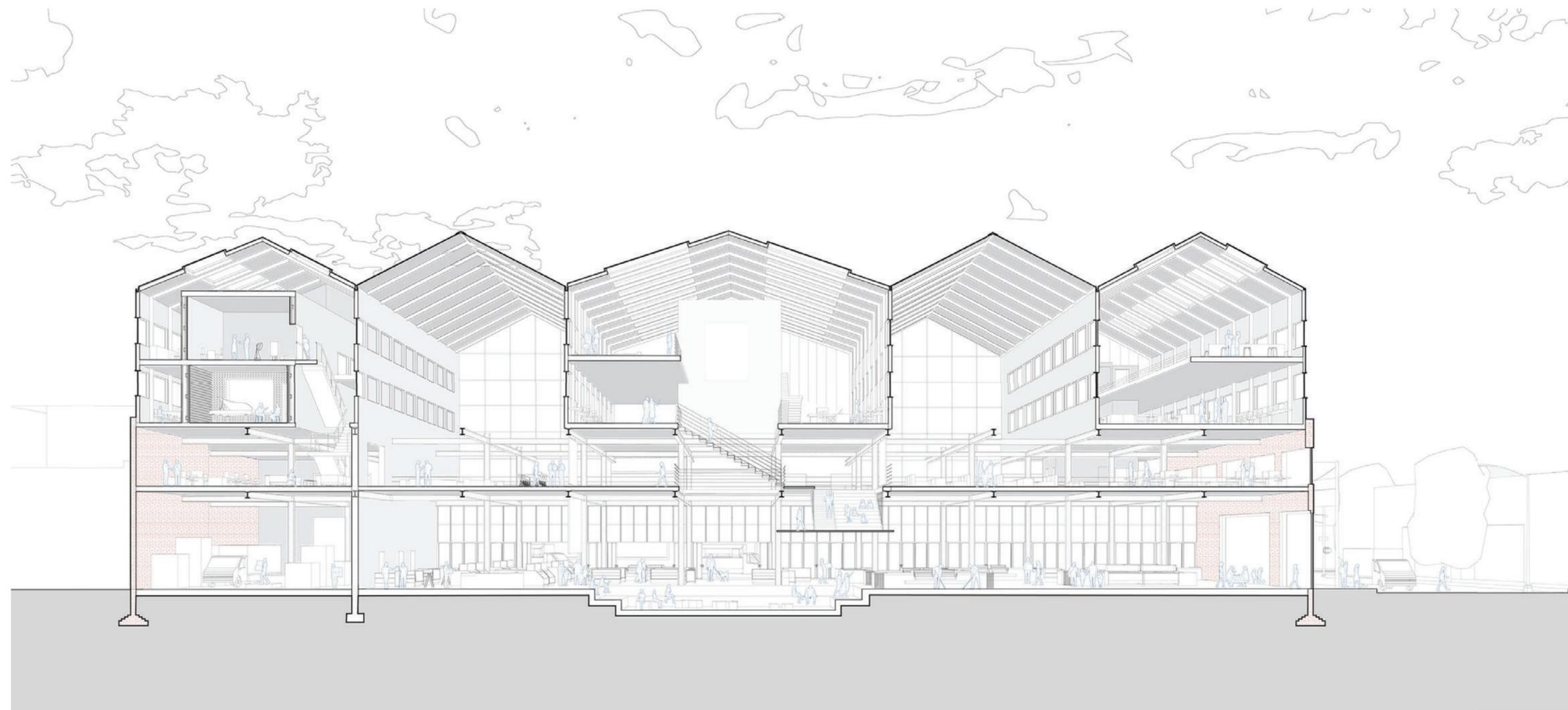
Reuse the existing structure and facade to serve different program use



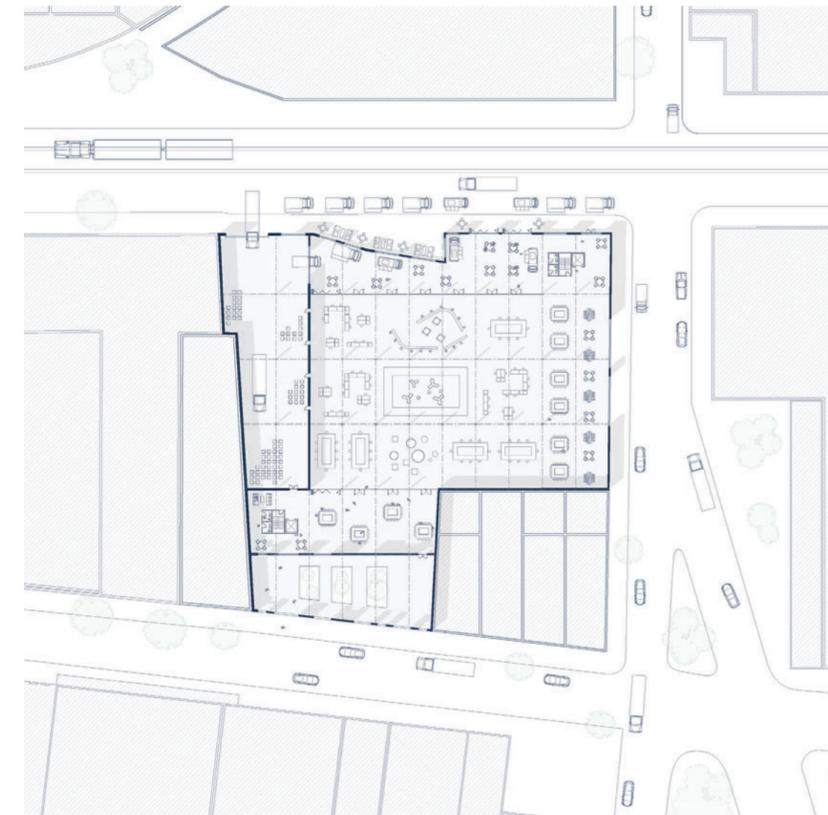
Food and Goods Production and Sound Imgae Production near Site Model Imgae



Section: Open Market and Rail Logistics on Ground Level



Section: Transform Original Warehouse Structure to house Three Levels of Hybrid Production



Expansive Warehouse Space is Suitable for Open Market, Loading Dock is Easily Convertible to House Logistics



Located in Industrial Zone, The Project is Surrounded by Similar Flat Warehouses



Second Floor: Fluid Work Space For Public to Witness/Experience Media Production



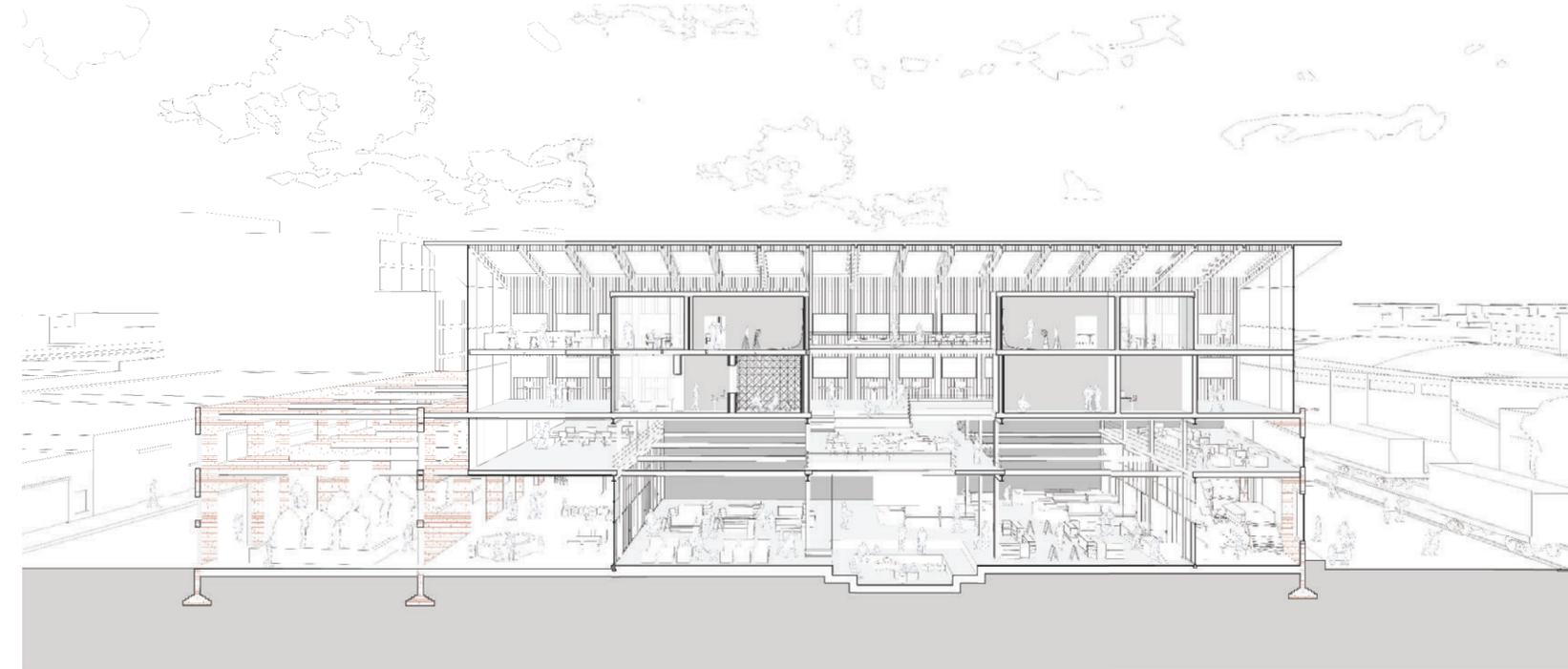
Third Floor: Sound-proof Boxes to Accomodate Sound Production and Open Office Plan on the Periphery



Central Stair Connecting the Horizontal Spaces Vertically



Intermediate Platform for New Media Production



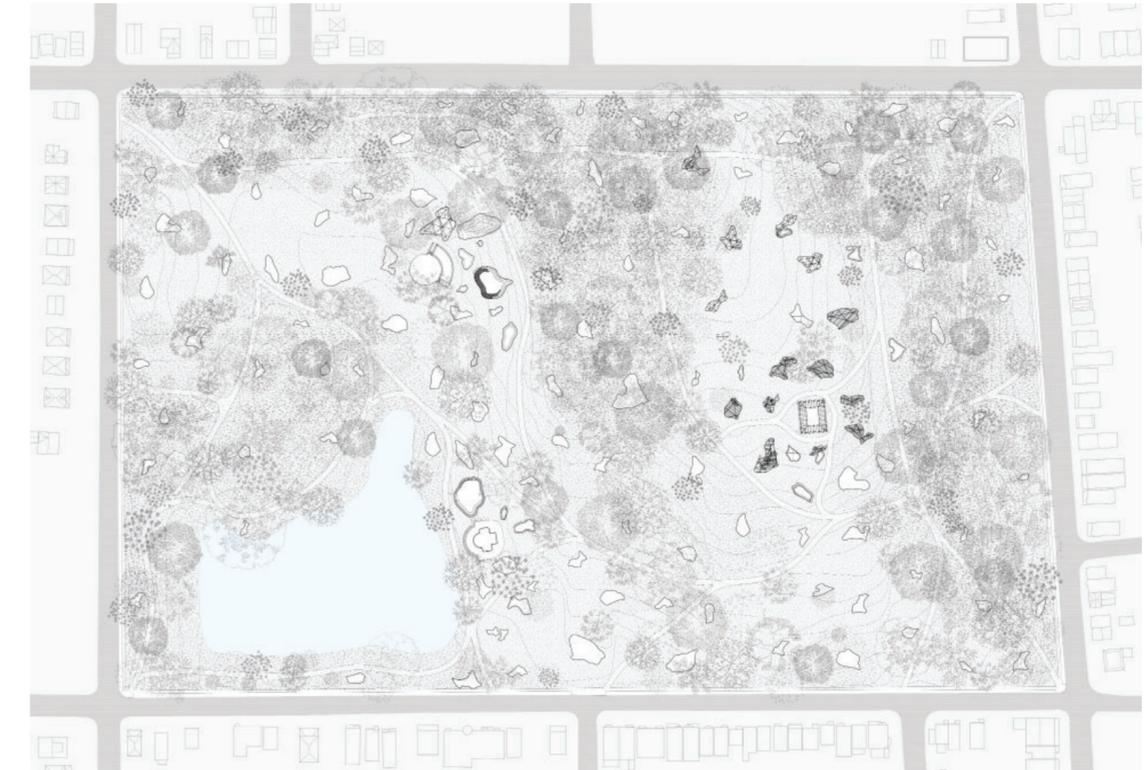
Section: Media Production on Different Levels

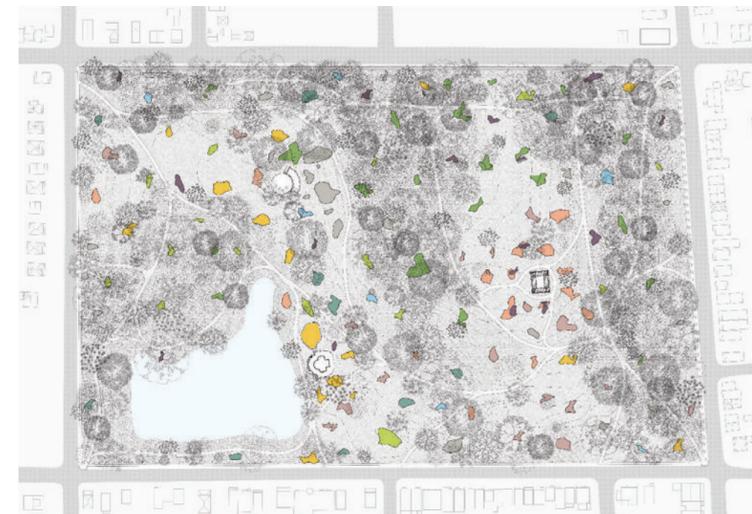
Downing Park: Natural Mediums

Downing Park, Newburgh, New York

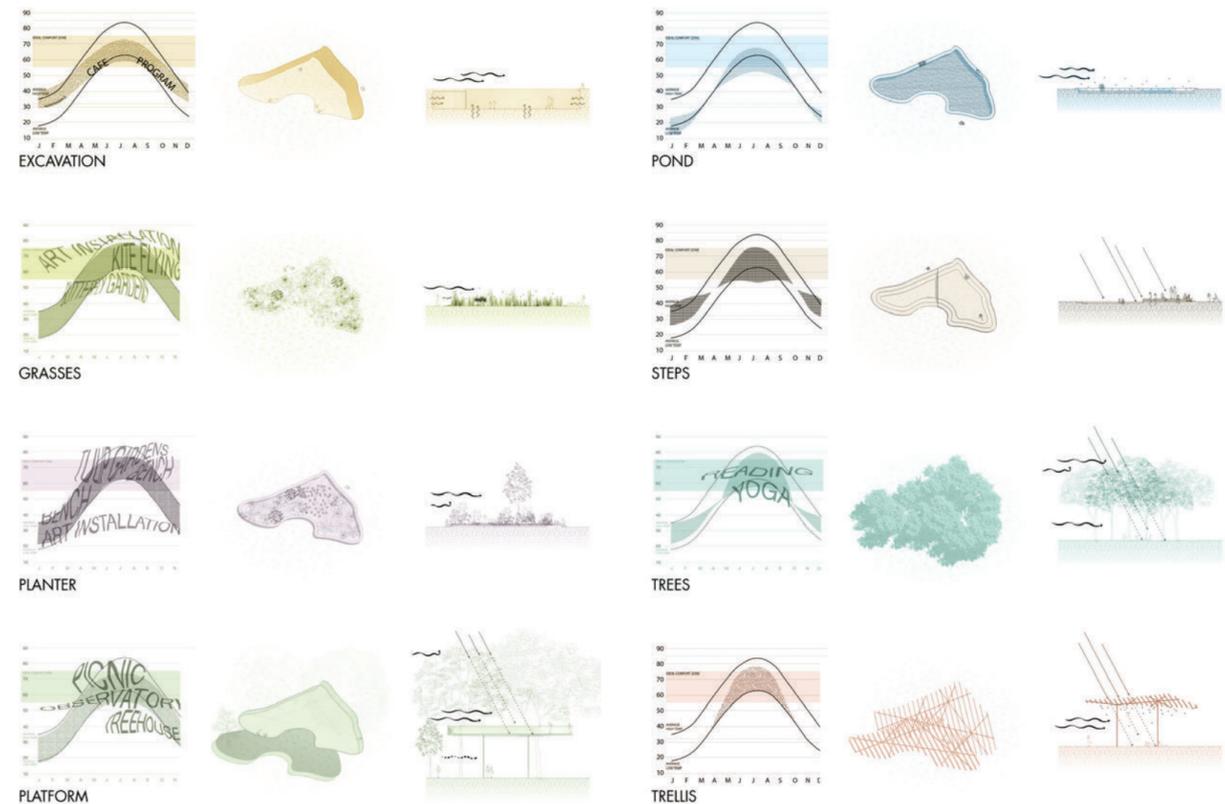
Architecture/Landscape Design
GSAPP ADV IV Studio\ 2019 Fall
Critic: Adam Frampton, Only If Architects
Partner: Lauren Scott
Software: Rhino, Adobe AI PS, Vray,

Designed by Olmsted and Vaux, Downing Park is a forgotten gem in the city of Newburgh as its urban environment decays over the decades. By incorporating small-scaled interventions on the existing Downing Park, Natural Mediums create microclimates pockets where facilitate existing social activities. The design speaks to many lost historic usages and their changing contextual use. Instead of erasing what is there and building new, we propose to add small-scaled "mediums" to intensify the experience and extend the usage throughout the seasons.

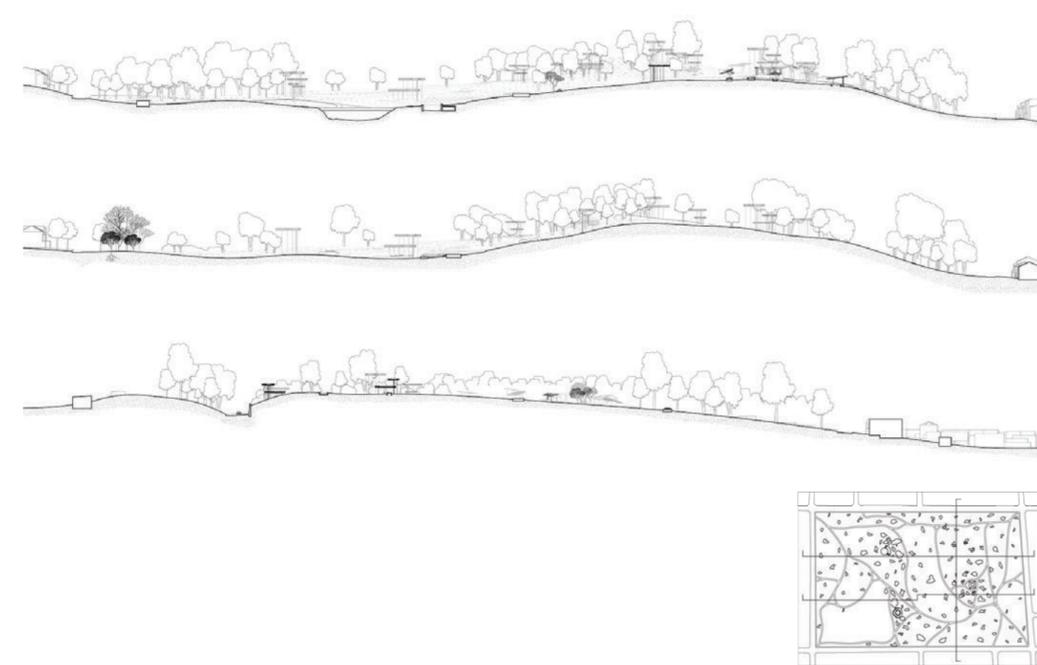




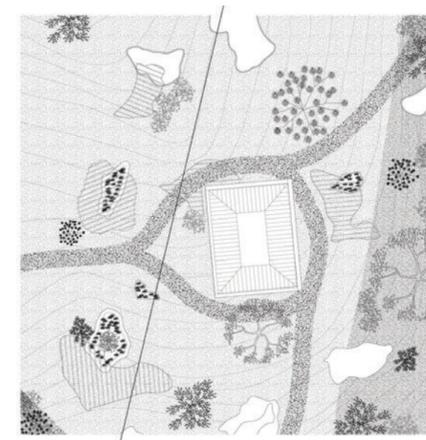
Intervention Key Plan



8 Types of Interventions Creating Microclimates



Excavations On the Low, Platforms On the High

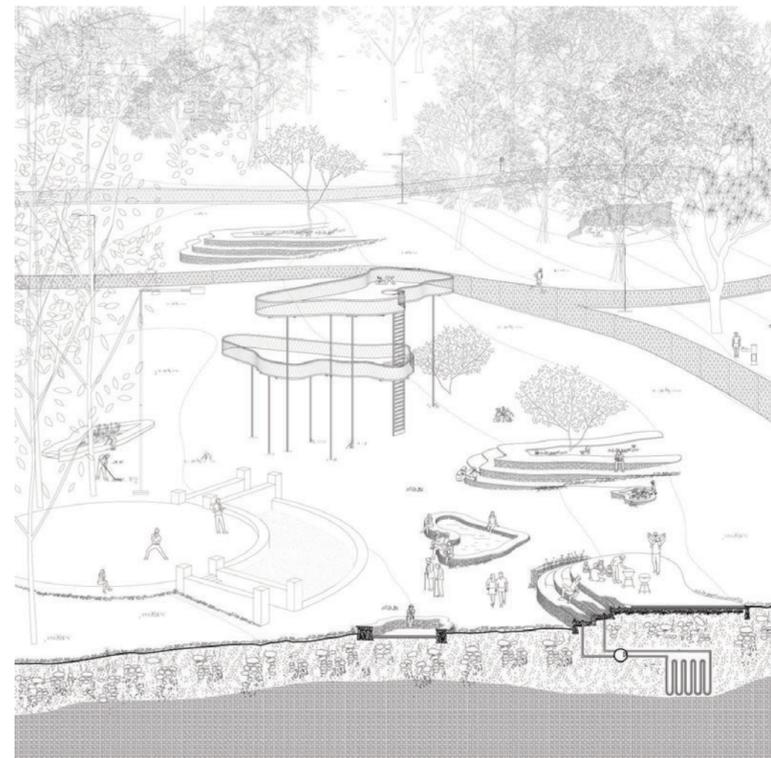


Tulip Garden
Mixed Types

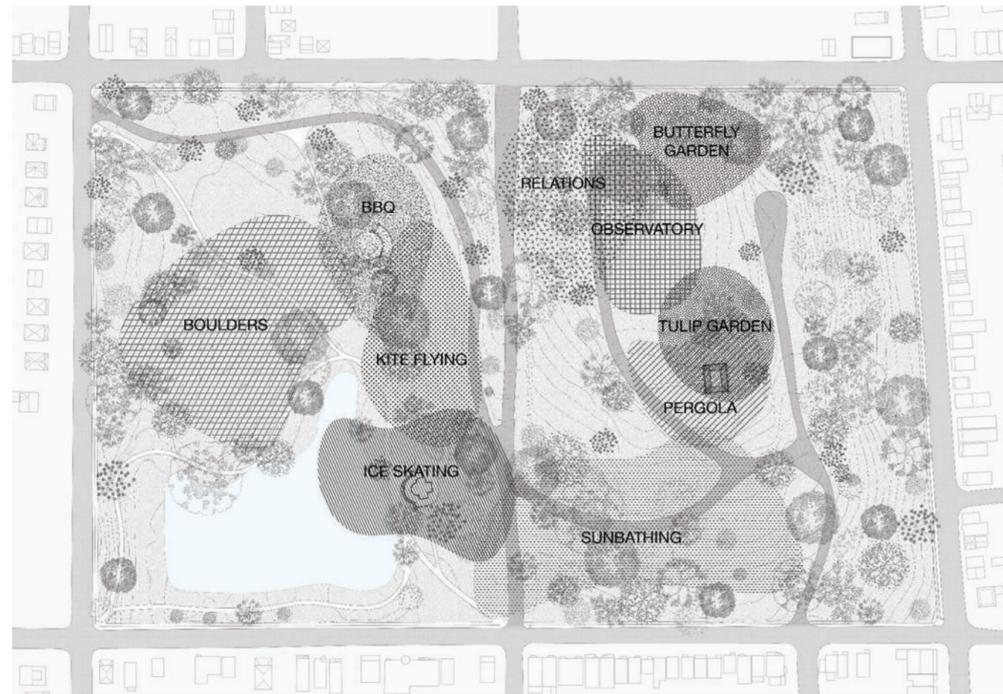
Sheltered Rooms
Summer Stage



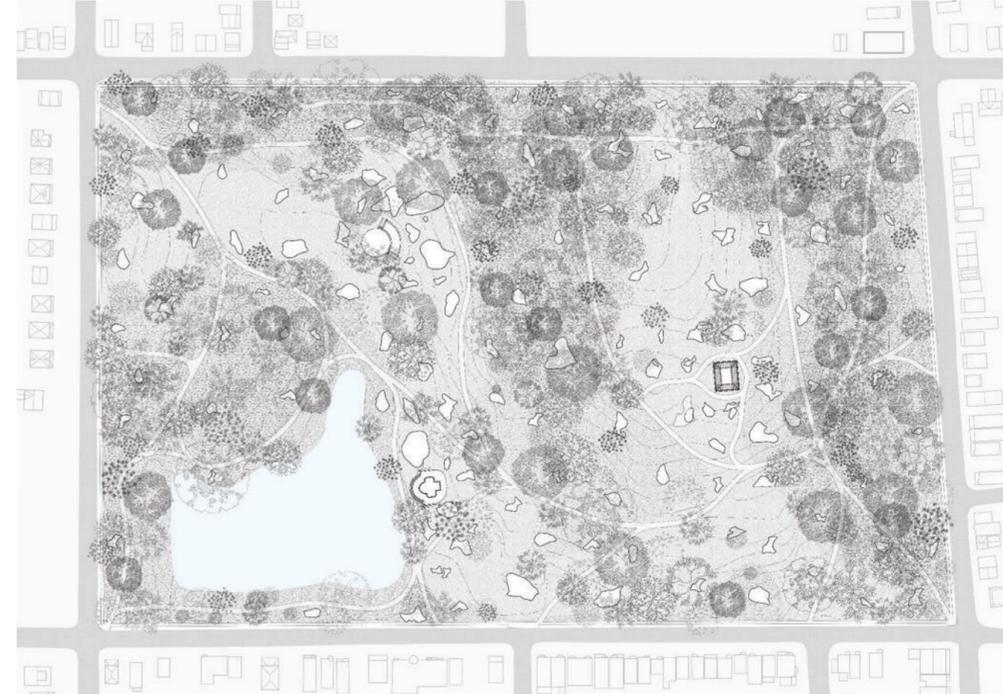
Amphitheater in Fall and Summer



Interventions Facilitating Summer Stage and Collective Gathering



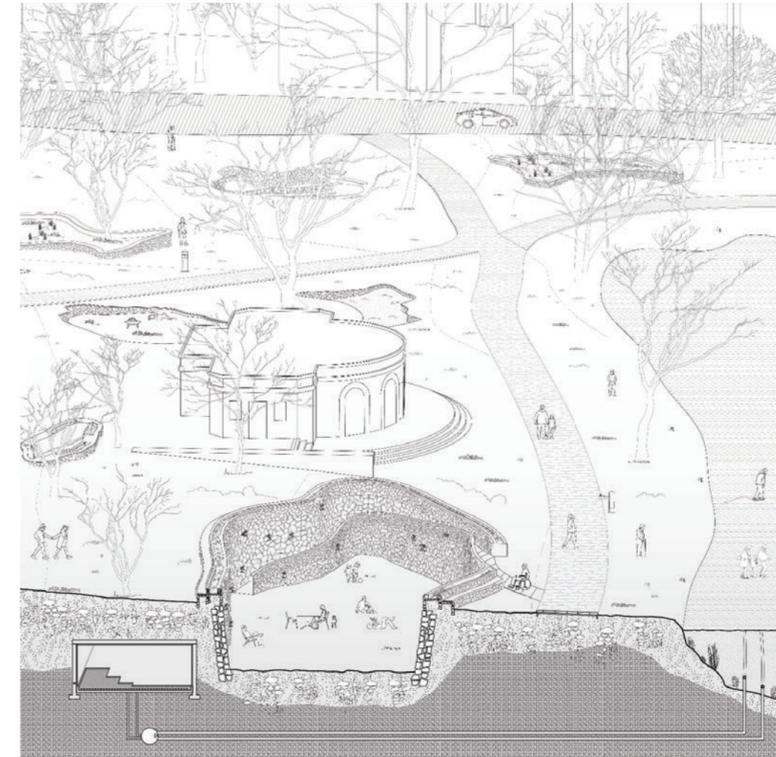
Existing and Historic Program Serves as Design Goals



Interventions Creates a Field Condition that Facilitates Social Life



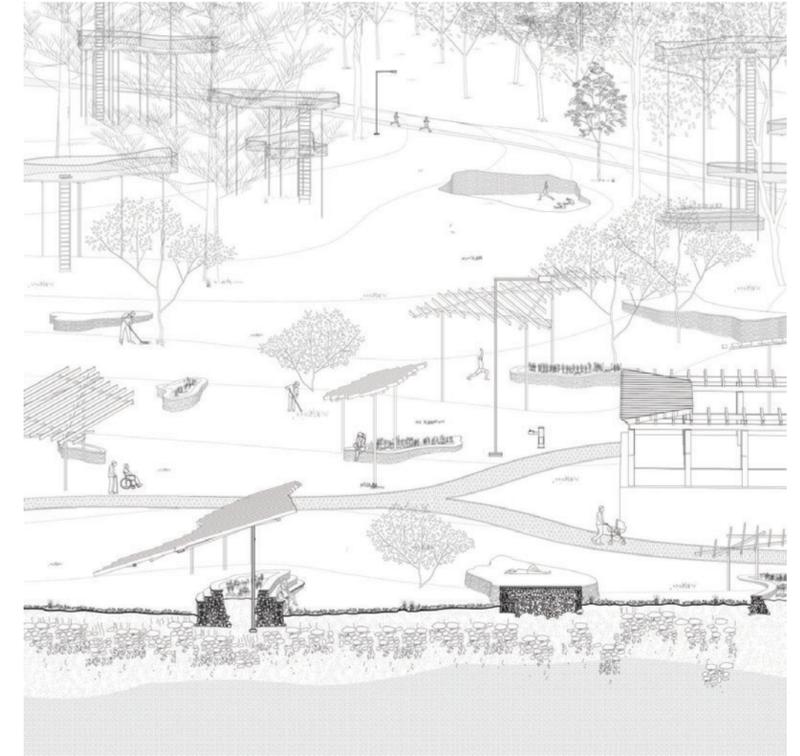
Excavation in Winter and Fall



Heat Transfer between Excavation and Pond to Restore Ice Skating



Trellis and Planters in Spring and Summer



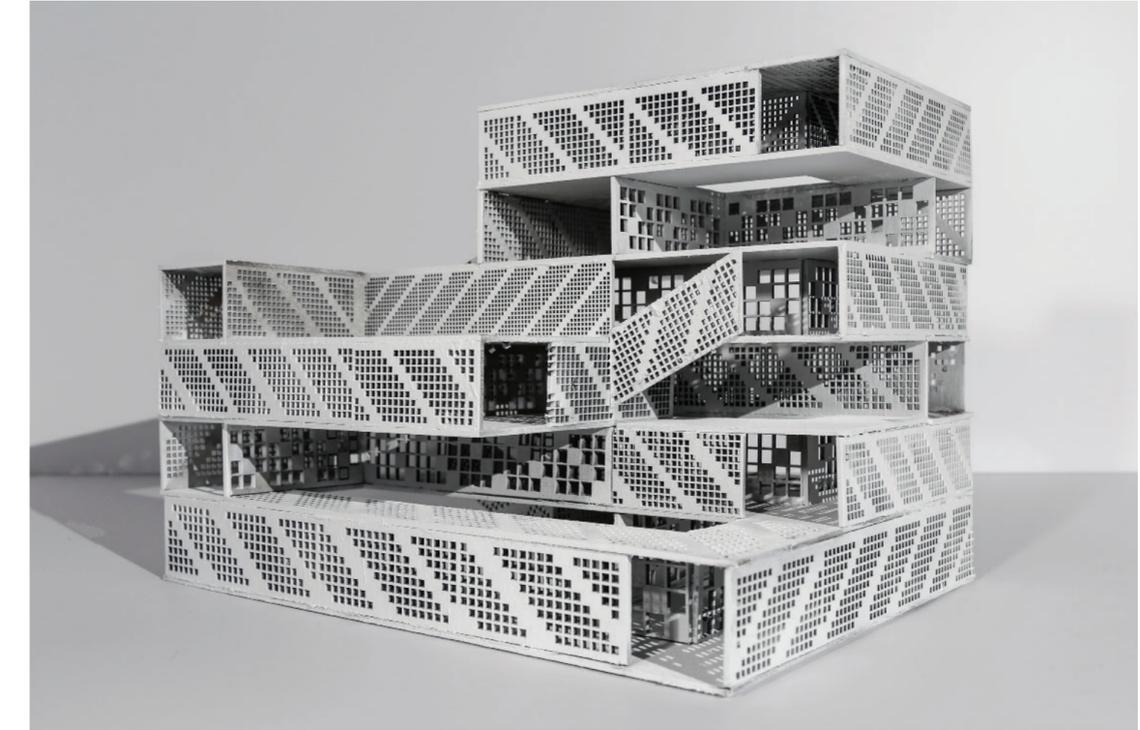
Restored Historic Tulip Garden and Platforms to overlook Hudson River

Link Library

Sara D. Roosevelt Park, New York, NY

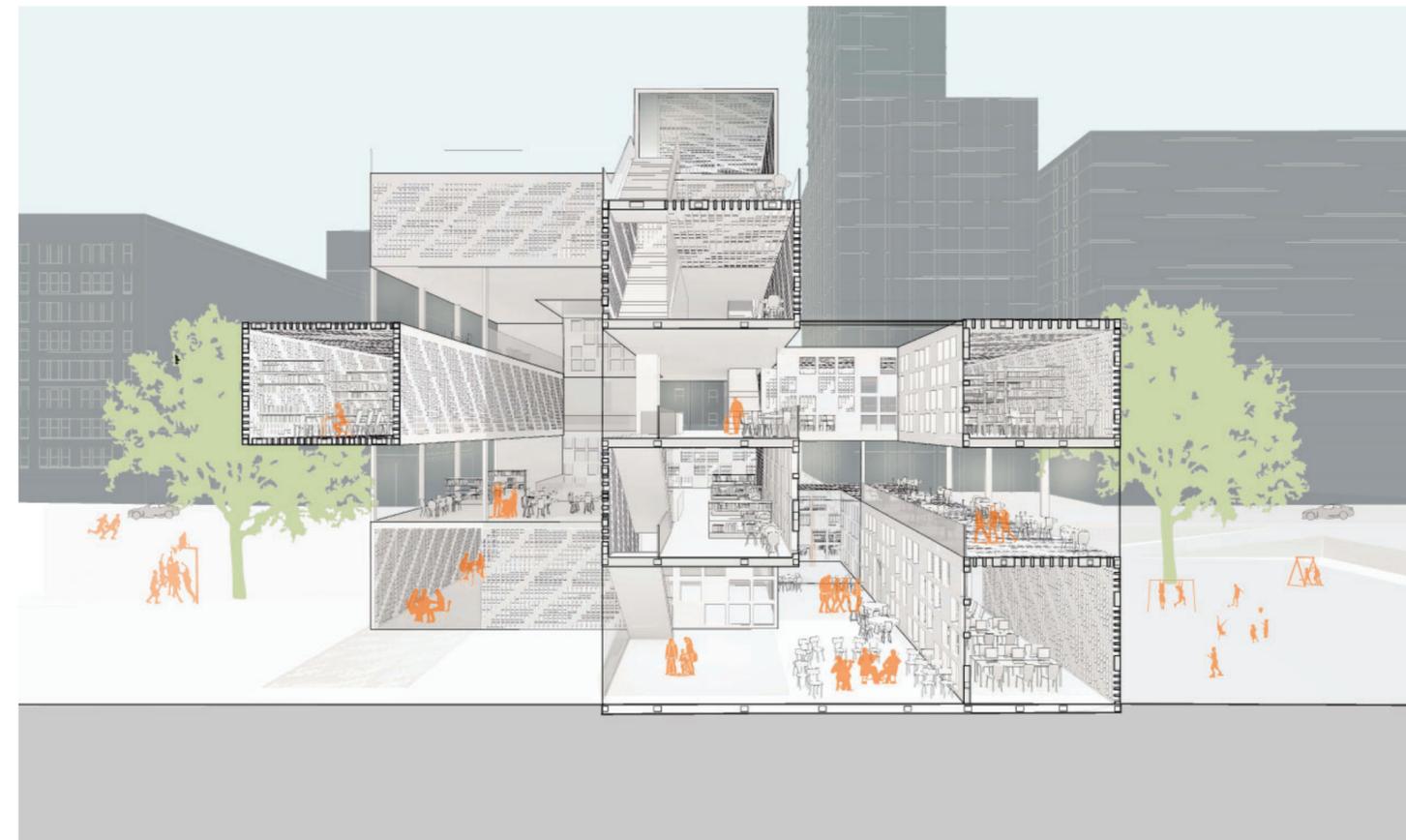
Architecture Design
GSAPP CORE II \ 2019 Spring
Critic: Mimi Hoang
Software: Rhino, Adobe PS AI, V-Ray

The street life of NYC inspires this library. While we are all alone in a city, we are still together, sharing the town's infrastructure. My project translated the infrastructure of NYC into a form of stacked alternating tubes. The tubes' in-between space then became the city's in-between spaces: the streets. Inside the tubes are rooms for formal study and reading, and the in-between spaces are communal areas for people to meet and have a conversation.

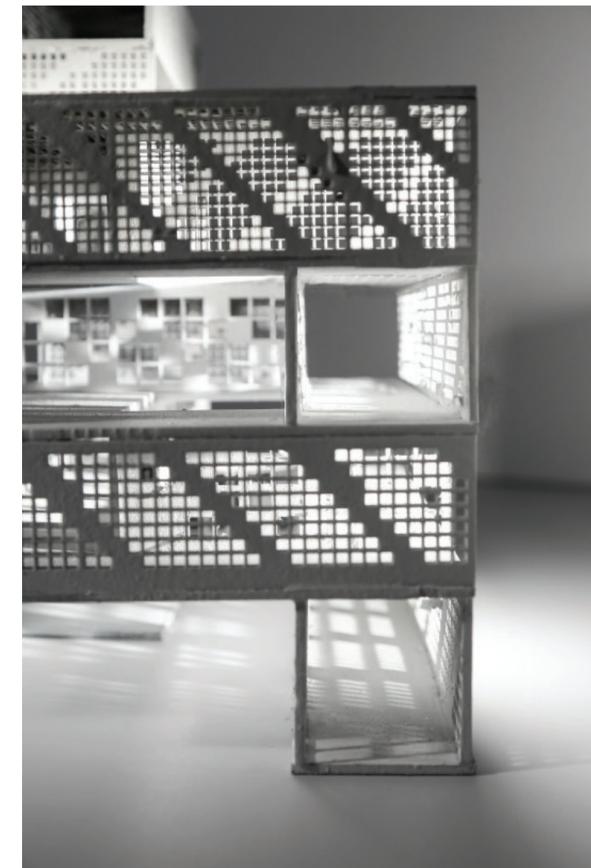




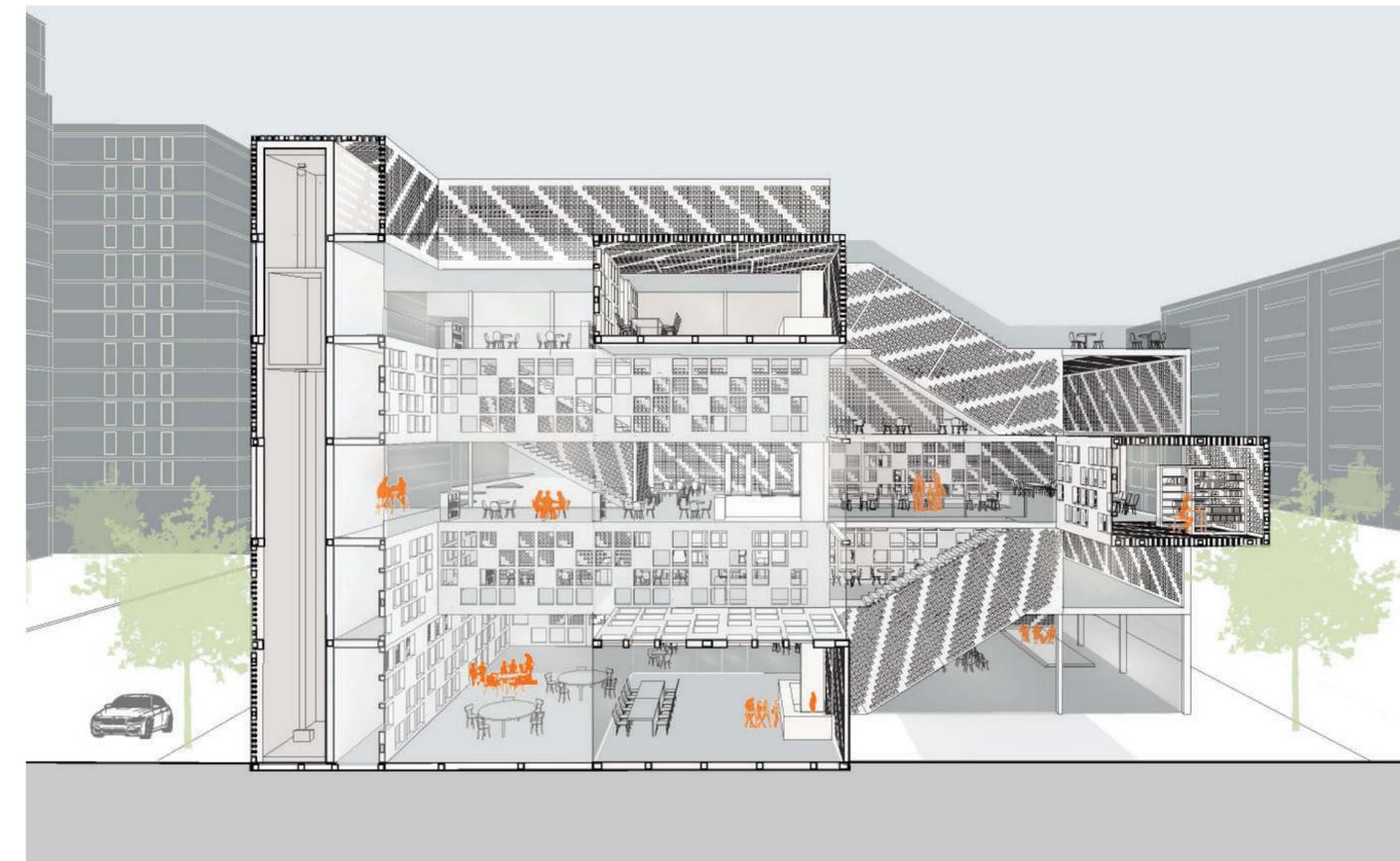
Courtyards Concept Driven from NYC's Backyards



Solid Tubes for Formal Programs, In-Between Tubes for Public Life



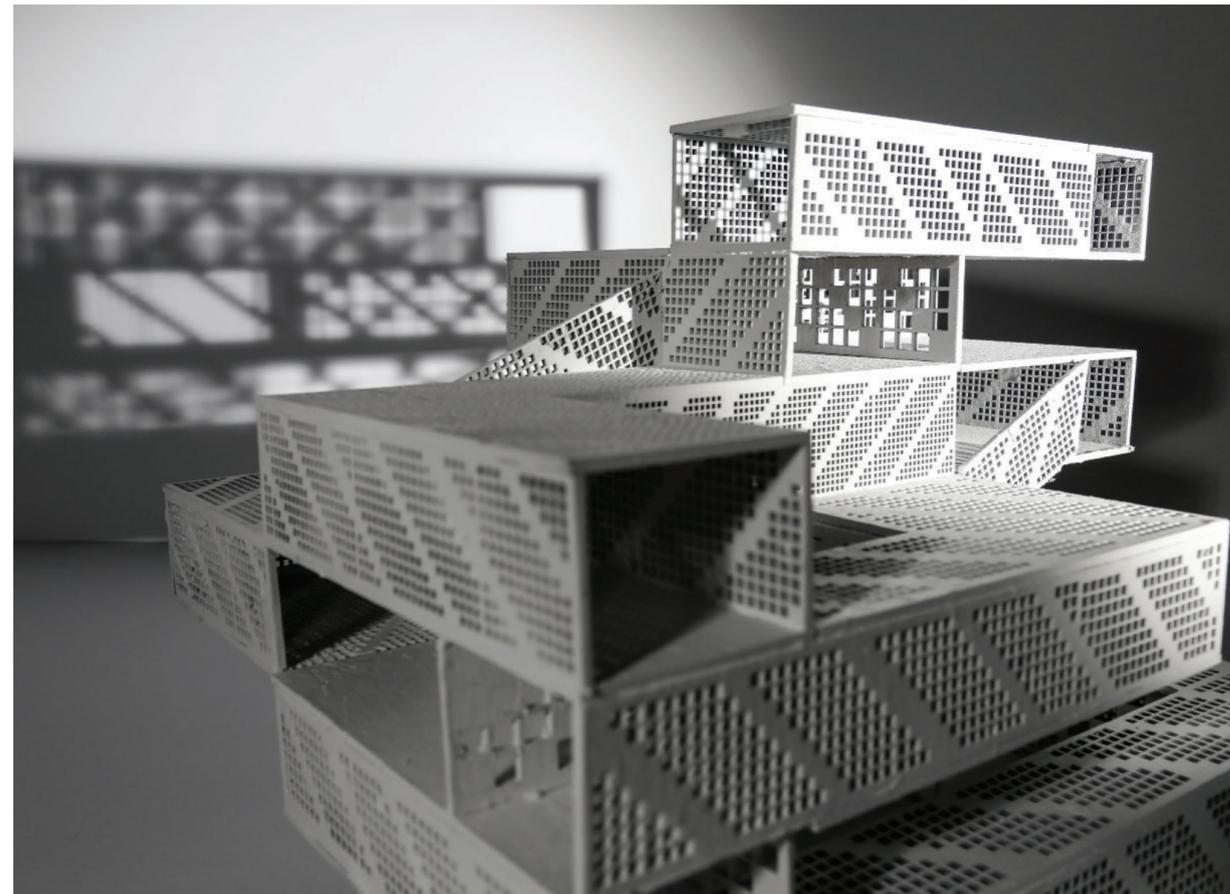
Alternating Tubes Established Building's Rhythm



Different Floor Heights Created Diverse Spatial Qualities



Opaque Walls and Glasses Signal Different Program Uses



Perforated Facade Emphasizes the Forms of Tunnels and Embodies Vierendeel Structures



Link library is imagined not only to offer access to written knowledge in books but also oral knowledge from our friends, neighbors and even strangers. Conversations and debates are welcomed in spaces between the formal solid tunnels. The stacking tunnels also ascends people from the ground to the top, creating a visual rhythm.



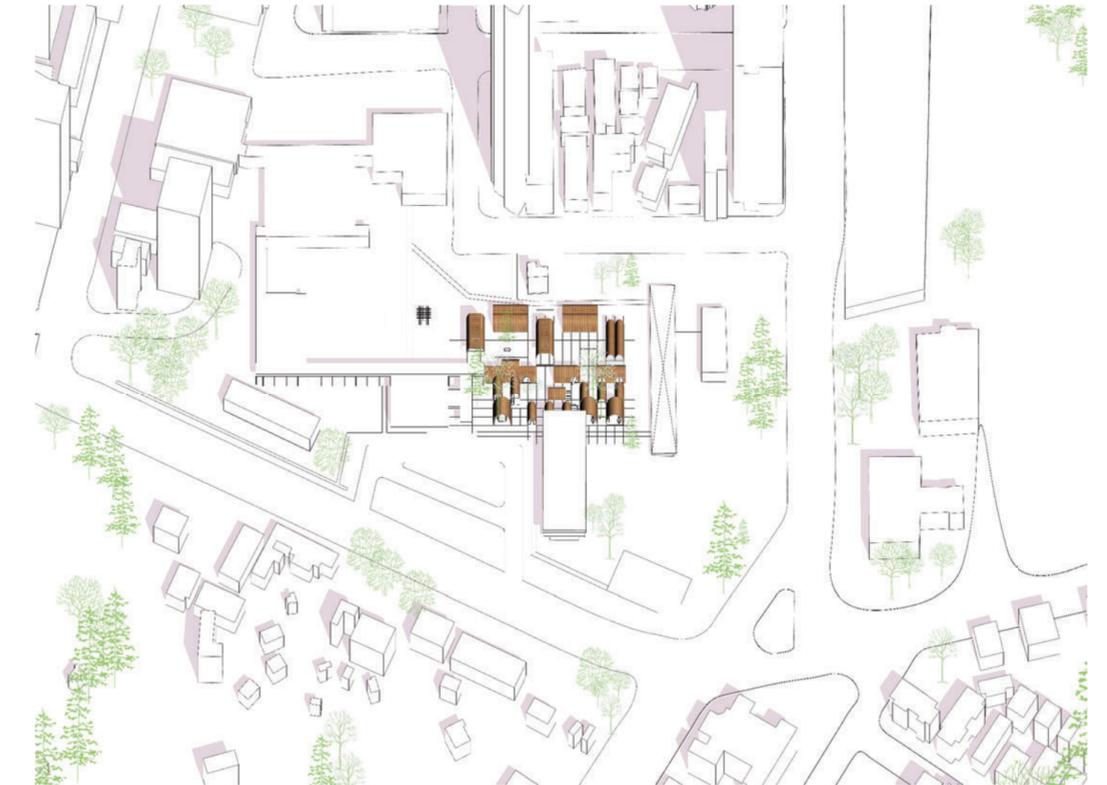
The Tunnels Constantly Change Orientations to Create Diverse In&Out Spatial Conditions

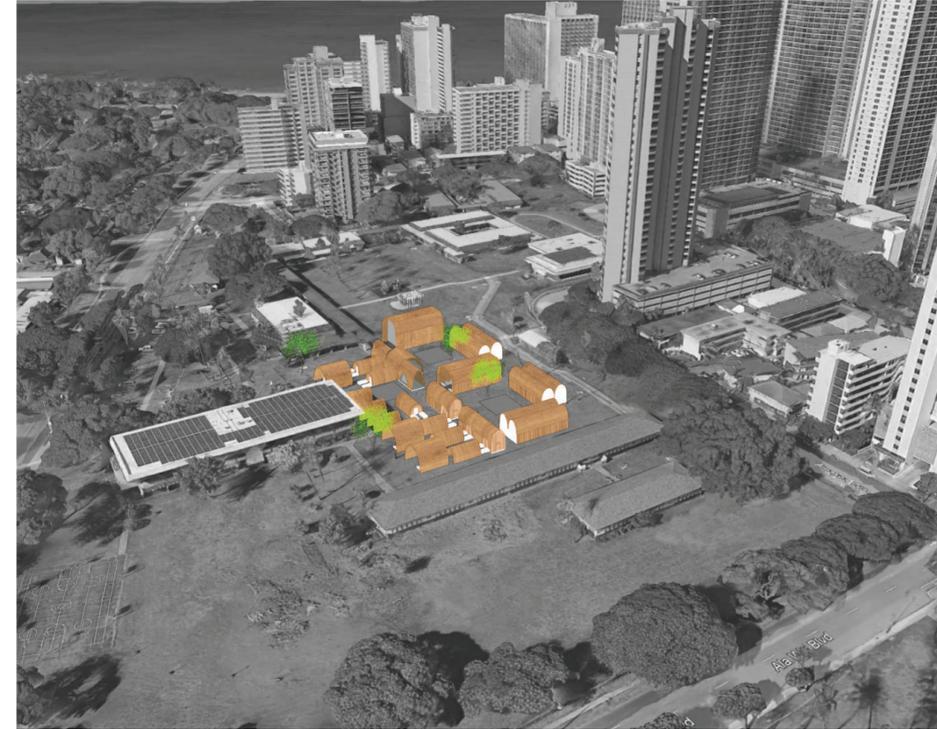
The Village

*Thomas Jefferson Elementary School,
Honolulu, Hawaii*

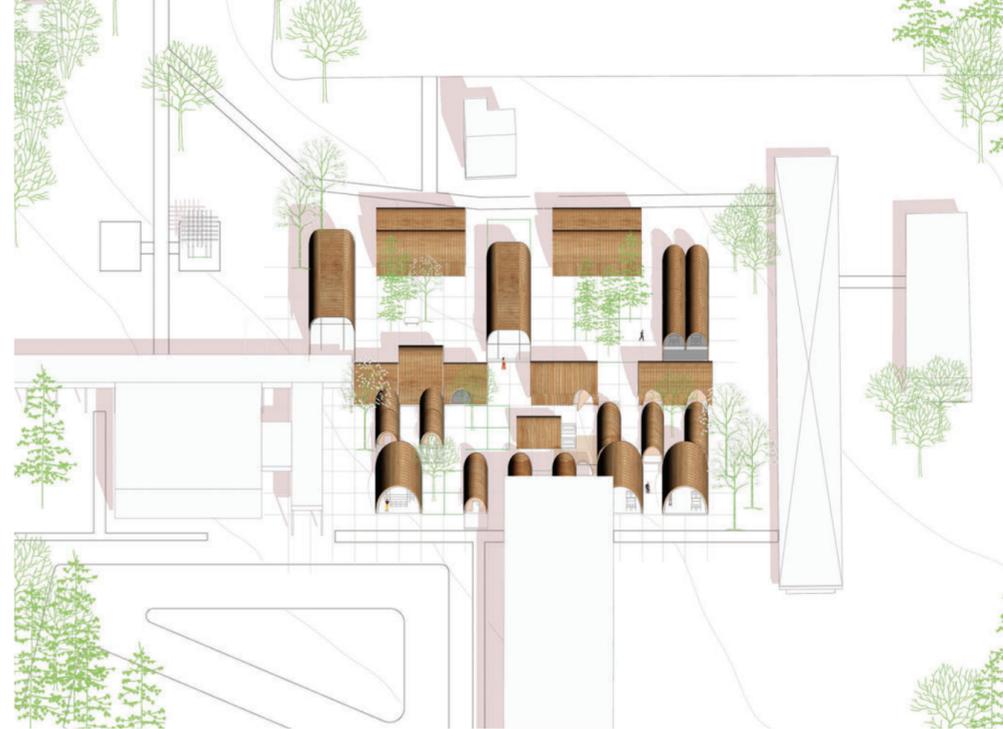
Architecture Design
GSAPP CORE VI \ 2022 Spring
Critic: Gary Bates
Software: Rhino, Adobe PS AI, V-Ray

The project is conceived to provide an educational and transitional housing project for the large homeless population in Honolulu, Hawaii. The project proposes to incorporate a network of independent and self-buildable structures in President Thomas Jefferson Elementary School. The structures will accommodate the houseless families who cannot afford the rent with living wages. Meanwhile, the project will offer learning and educational spaces for the houseless children as well as adults who are willing to advance their skills. For the public school on site, this project also provided additional learning centers for more living skills such as planting and building.





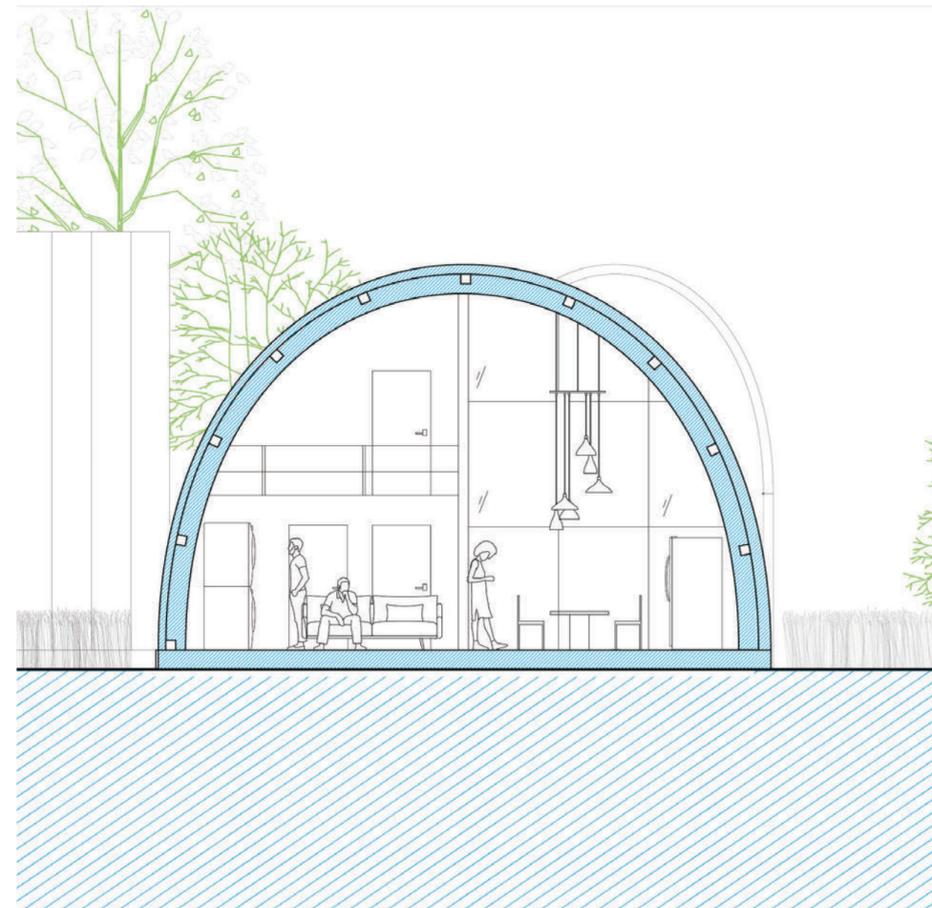
Site Aerial View



Perforated Facade Emphasizes the Forms of Tunnels and Embodies Viereckel Structures



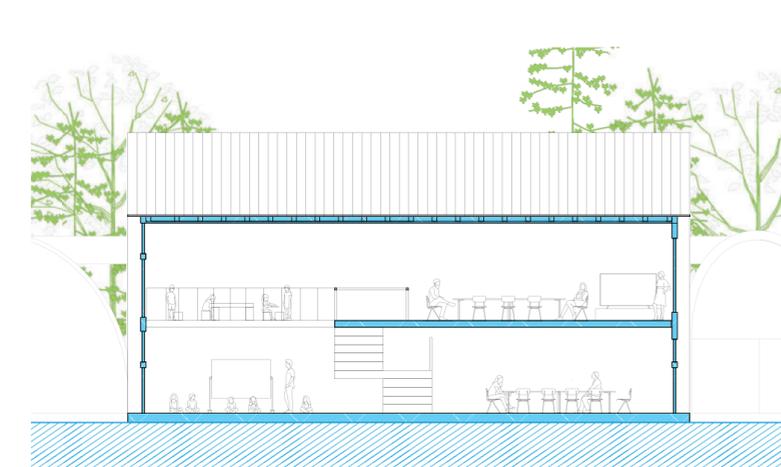
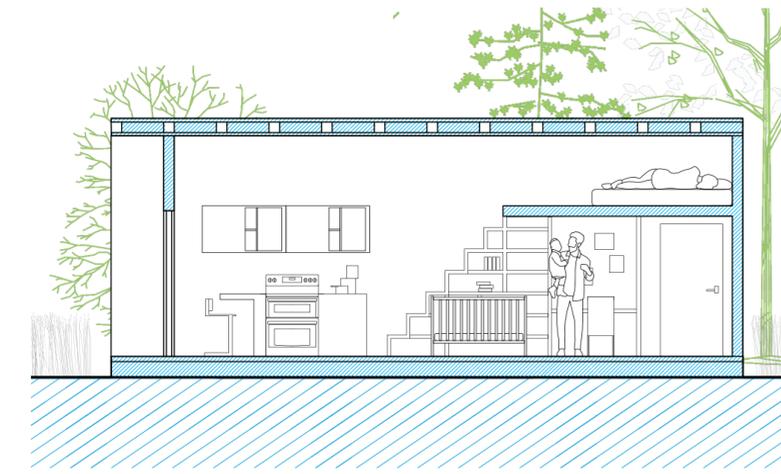
Long Section Oblique Cutting Through the Common Space



Common Space provides Laundry Kitchen and Dining



Interior Perspectives



Typical Classroom and Living Unit



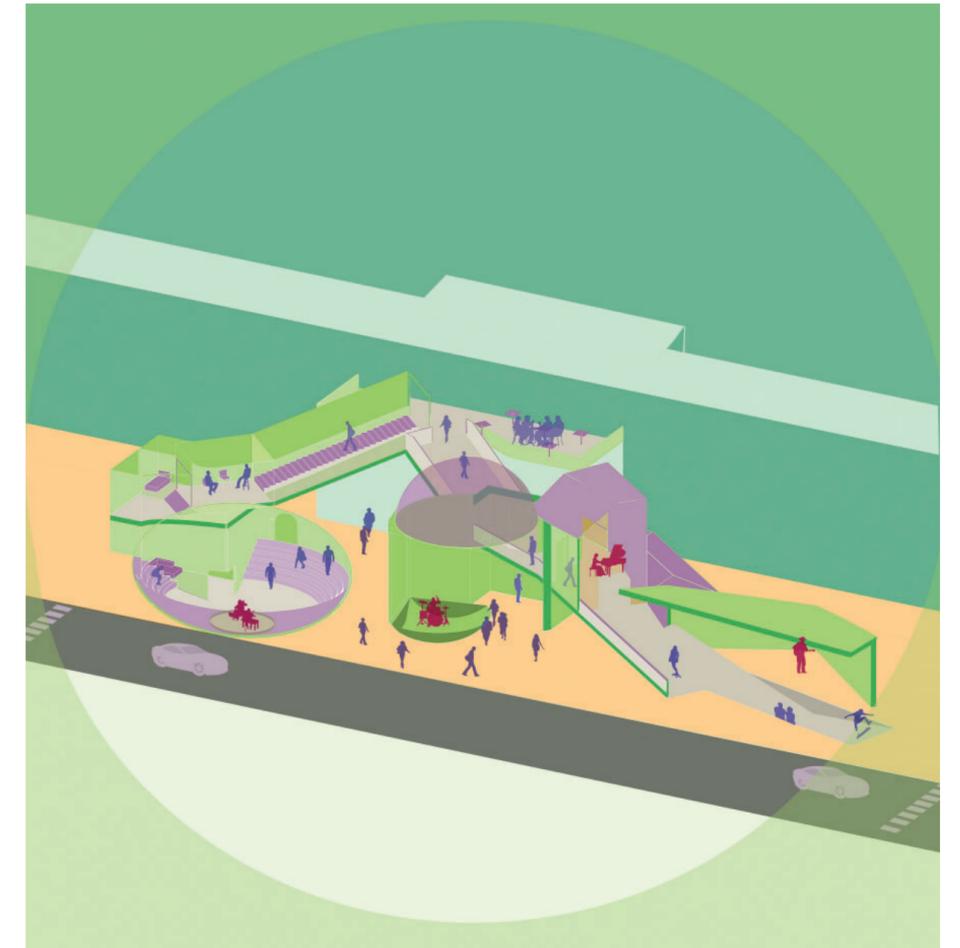
Interior Perspectives

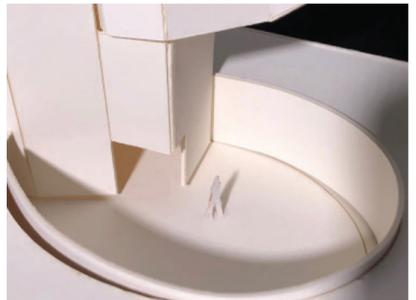
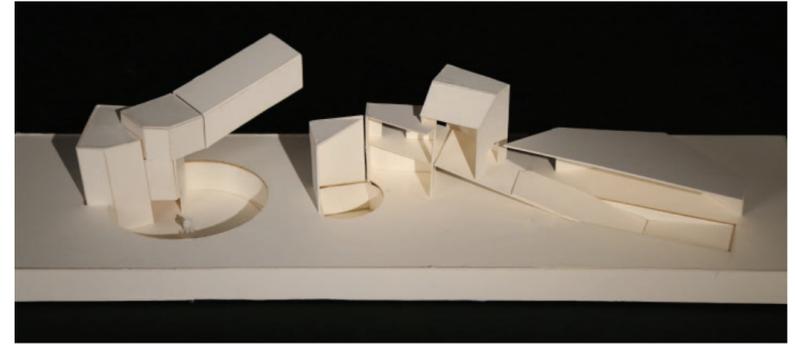
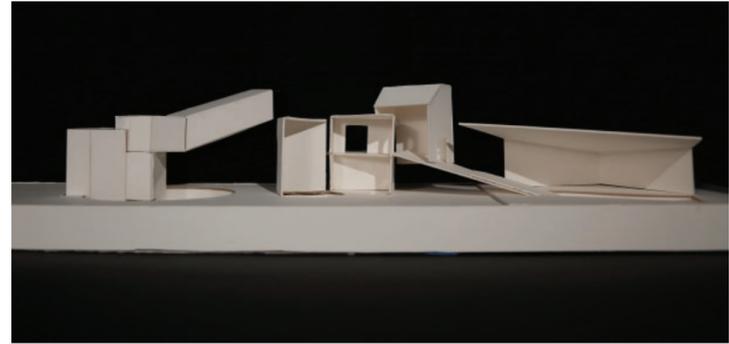
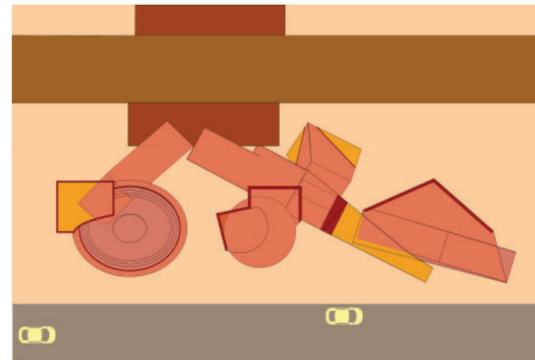
Urban Sound Playground

Federal Plaza, Thomas St and Broadway, New York City

Architecture Design
GSAPP CORE I Studio\ 2018 Fall
Critic: Christopher Kumpusch

Urban Sound Playground aims to utilize sound to transform the original highly guarded and dull urban environment in front of FBI building in lower Manhattan. It encourages citizens' involvement to different architectural programs through the agency of sound. Five color drawings were produced to convey program, site, section, plan and context.





The Ultrareal: Abandoned Gas Station

Visual Studies
GSAPP \ 2020 Spring
Partner: Sixuan Liu
Critic: Joseph Brennan, Phillip Crupi

Renderings done in Visual Studies course: Techniques of the Ultrareal. My partner Sixuan and I were both interested in creating atmospheric renderings that will speak to emotions. We were inspired by David Lynch's Twin Peaks series, and wanted to replicate that otherworldly feeling with renderings.



Vault House Re-Thought

Johnston Marklee Architects, Oxnard, South California

Conceptual \ Presentational
GSAPP ADR I \ 2018 Fall
Critic: Bika Rebek

This is a visual presentation project for Johnston Marklee Architects' Vault House. Its porous facade and interior inspired me to rethink it as a cheese and wine tasting venue. Surrounding this concept, I produced a series of drawings, model, and animation.

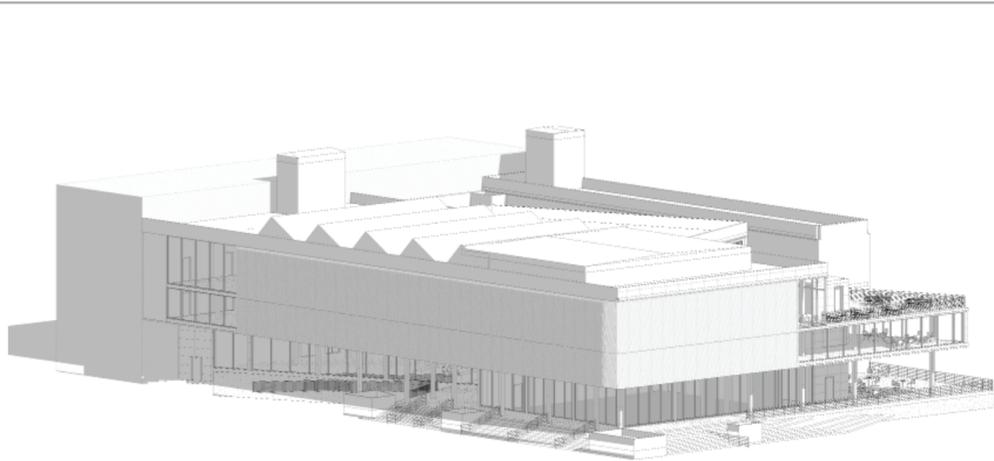


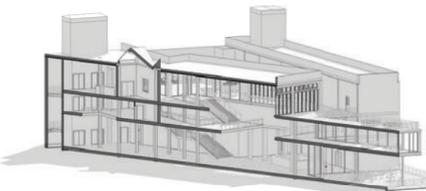
Greenpoint Theater:

Greenpoint, Brooklyn,

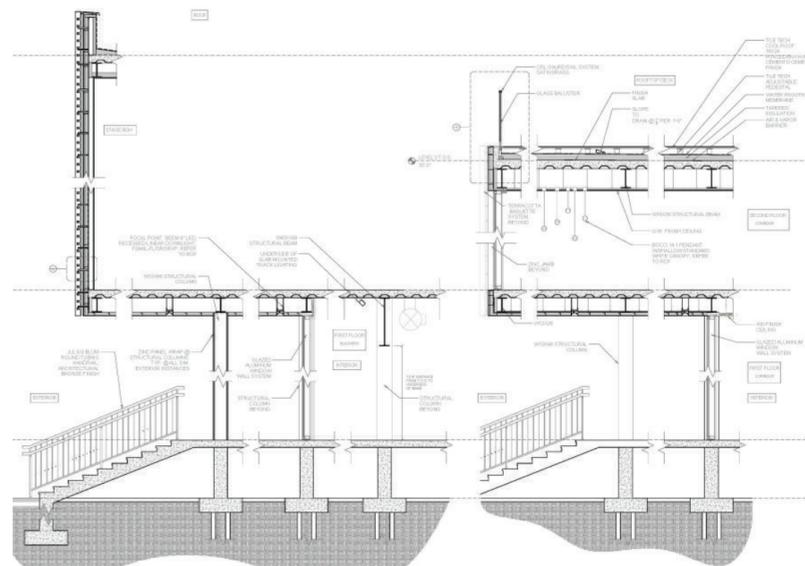
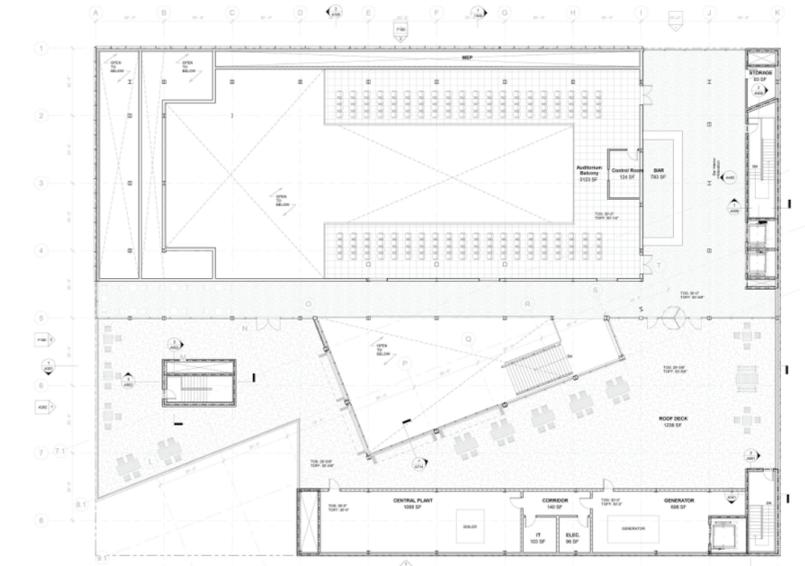
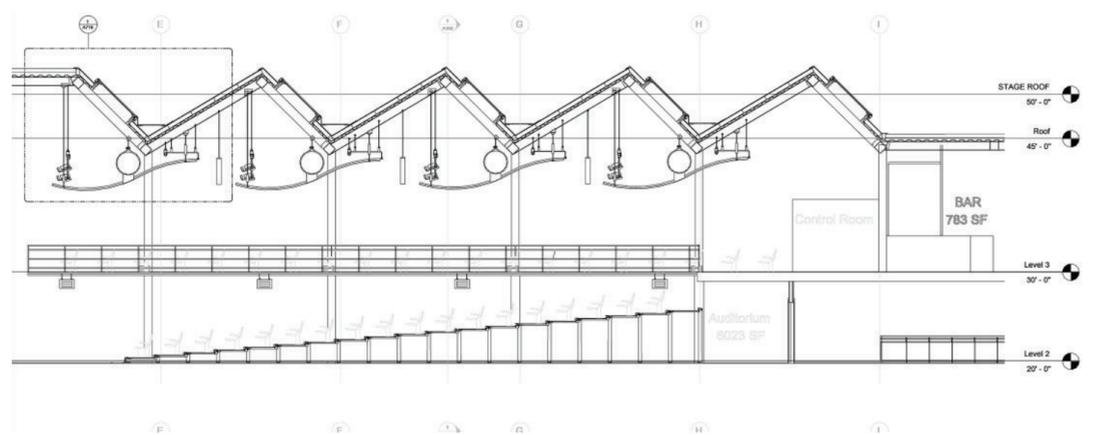
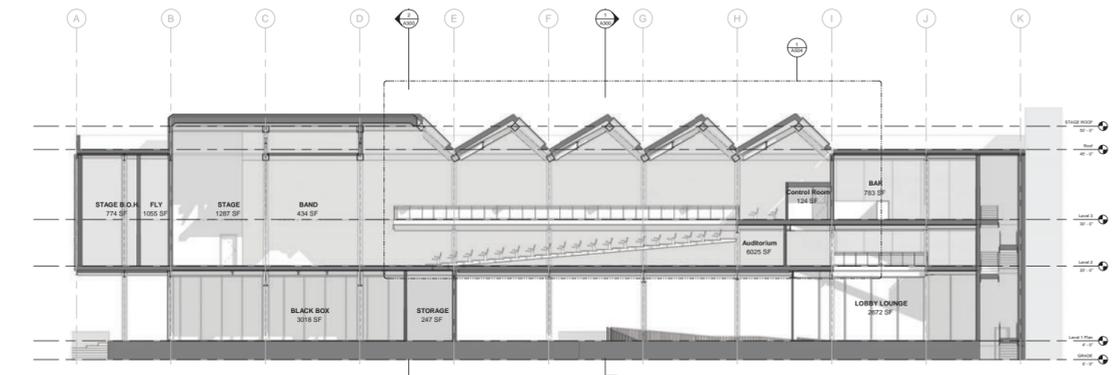
Architecture and Tech System Design
 GSAPP Advanced Tech IV\ 2019 Fall
 Architecture Design Lead: Nicole Dosso
 Team: Chengliang Li, Jiazhen Lin, Isabella Bartenstein
 Software: Revit, Rhino

The envisioned Greenpoint Theater would feature a sawtooth that would transform the space into a sun-soaked public space during the day and a black-box theater by night. The theater's terra-cotta facade system tries to blend it in with its brick warehouse contexts. The double-height central circulation core also welcomes light into the lobby.





		
Architect Mori Rhee SRP		
Structural Consultant Mori Rhee SRP		
Mechanical Consultant Mori Rhee SRP		
Electrical Consultant Mori Rhee SRP		
Interior Consultant Mori Rhee SRP		
Program Quality Enhancement Client: Mori Rhee January 1, 2019		
NO. DATE REVISION		
01	OCT 2019	SD SUBMISSION
02	OCT 2019	SD SUBMISSION
03	NOV 2019	CD SUBMISSION
GSAPP GREENPOINT THEATER		
COVERSHEET		
Project number	Project Number	
Date	Issue Date	
Author	Author	
T000		



The main theater of the project features a sawtooth roof. We introduce light into the always dark theater space by integrating the sawtooth to extend its usage beyond the traditional all-dark performance experience. When there is no performance, the theater can also serve as public gatherings or event. The curved panel under the sawtooth hides the ceiling sound and lighting equipment and softens daylight.