

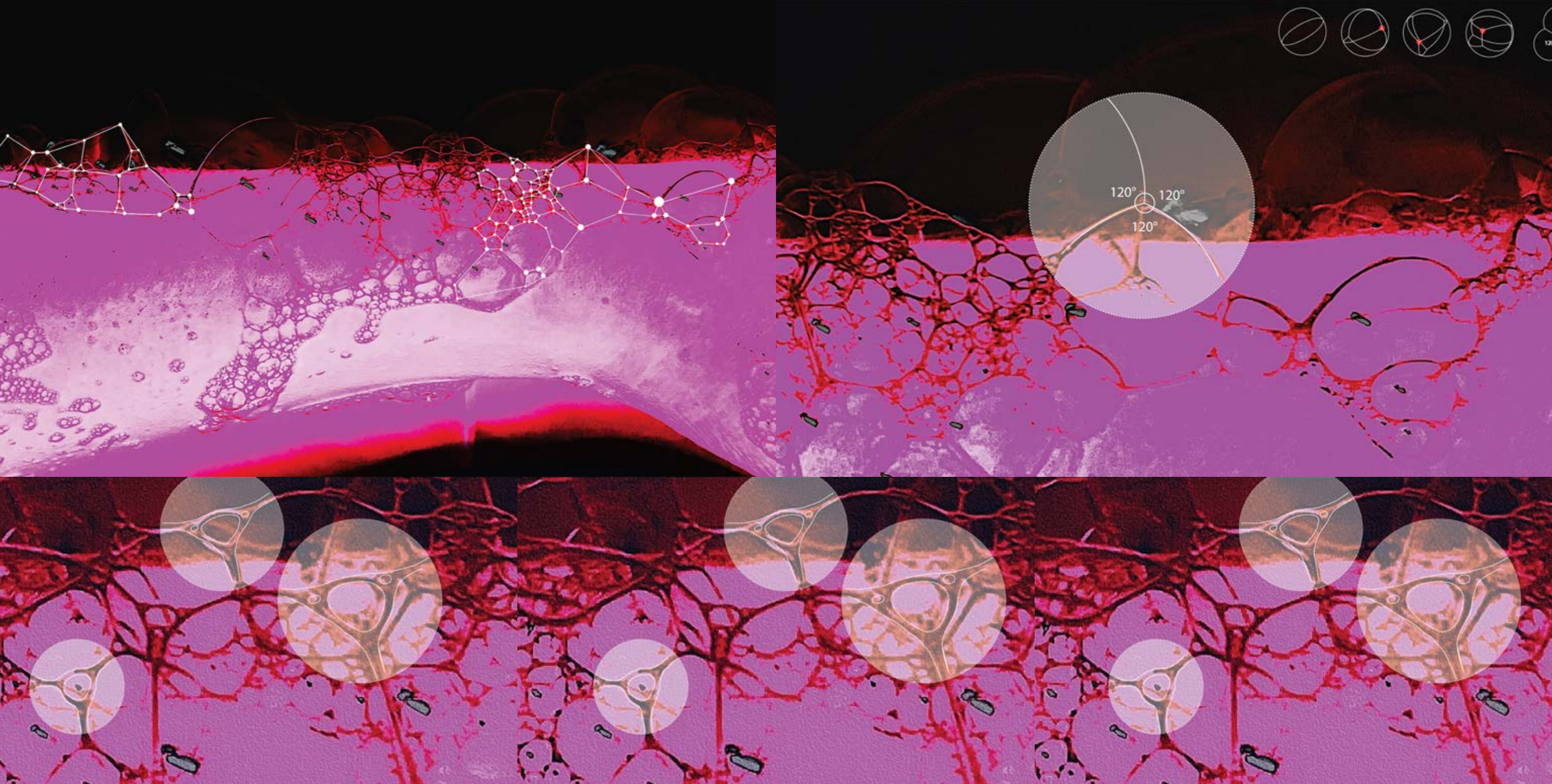
Architecture

PORT

PHOTO

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GSAPP 2023-2026

Haoming Zhu



Out of Time

A Material Meditation on Burning, Memory, and Queer Traces

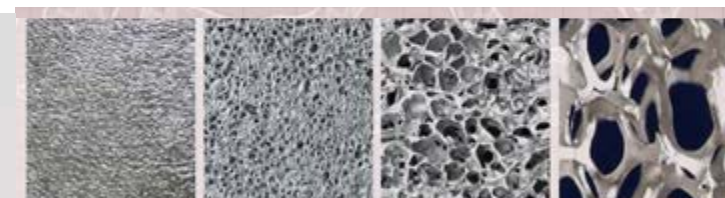
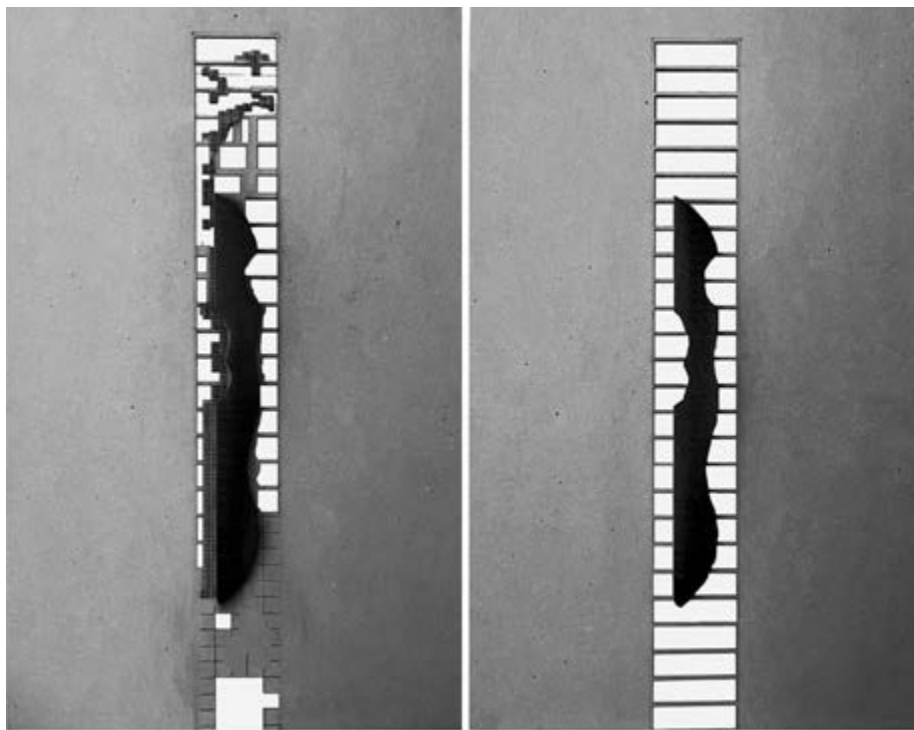
Fall 2023

Location: Pier 43, New York

Instructor: Lindy Roy

Individual Work

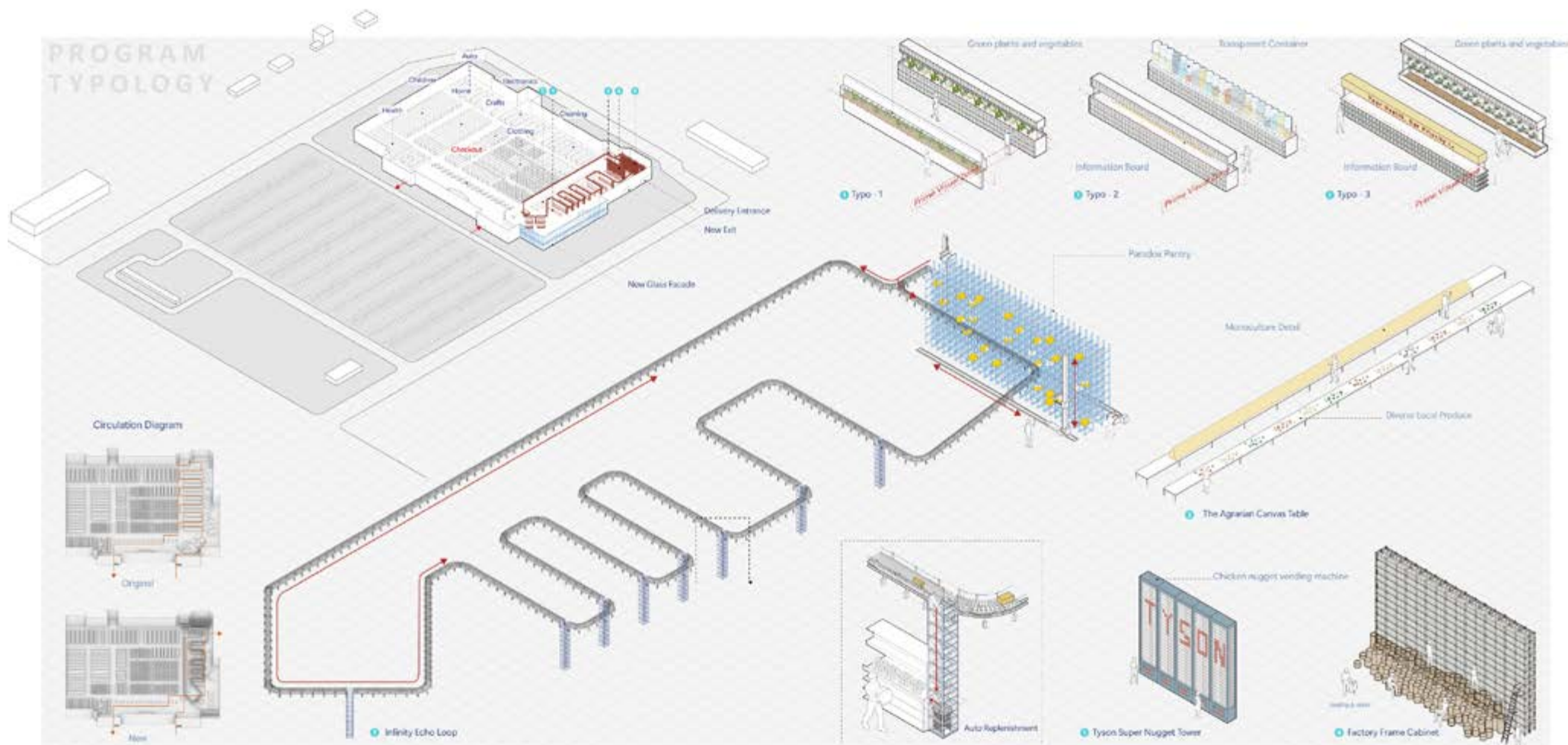
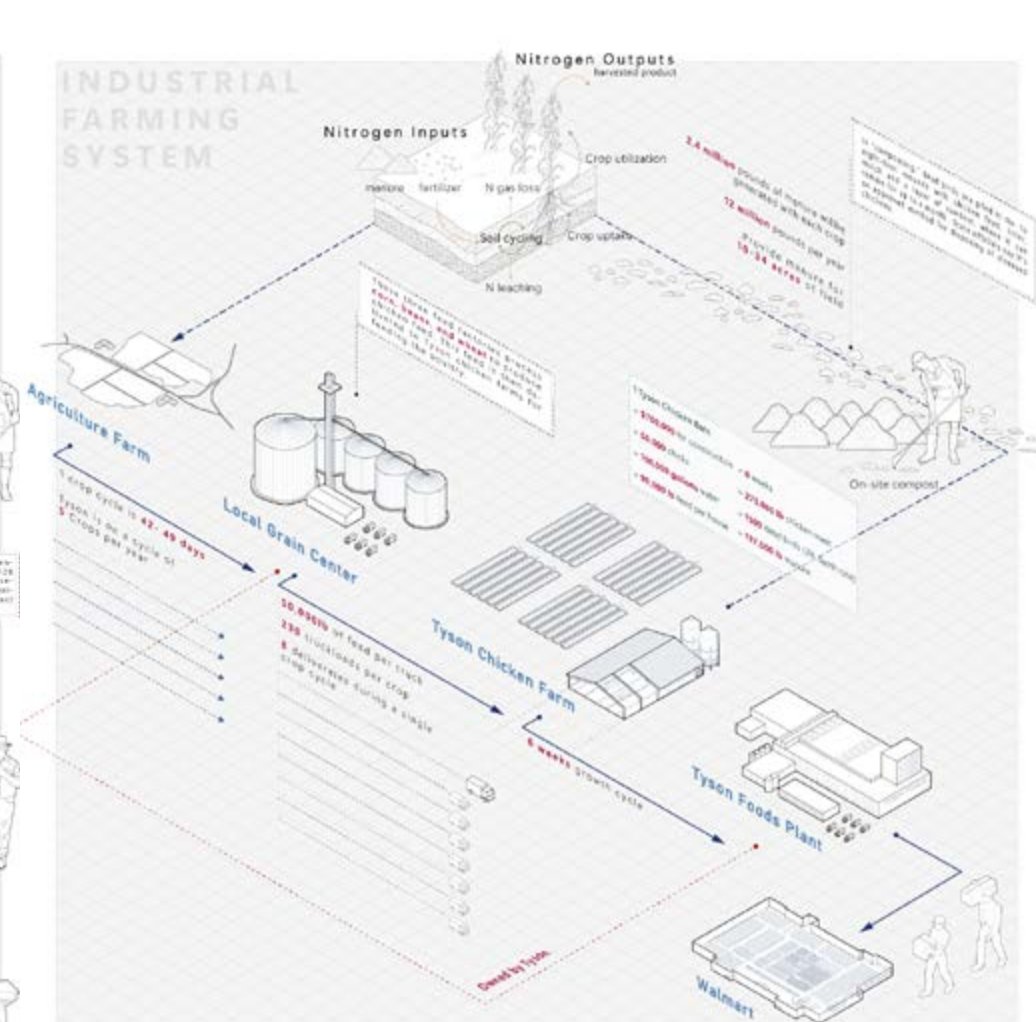
This project uses the burning process of a candle as a way to observe and materialize the passage of time, exploring how fleeting things do not simply disappear, but transform into new states, traces, and memories. Through heating, melting, dripping, and solidifying, the candle wax shifts between solid, liquid, and semi-solid forms, while the embedded wire structure gradually emerges from within the wax, revealing a hidden framework that remains even as the surrounding material is consumed by flame. Connected to the historical and emotional context of Christopher Street Pier, this burning experiment becomes a metaphor for the gradual dissolution of social bias, constraint, and invisible burdens: what once clung to the body and identity eventually melts away into shadows of the past, while what truly belongs to us continues to exist beyond the limits of time.



Aluminum Foam: Small, Medium and Large

These aluminum foam panels are manufactured through an air injection process in molten aluminum, which contains a fine dispersion of ceramic particulate. These ceramic particles stabilize the air bubbles, and create aluminum foam panels which provide an interesting level of detail and variability. The surface of the material is either left in its solid form as produced or undergoes surface preparations which provide many different appearances, from a solid surface "shimmering" look to a translucent "water froth" look. As the thickness increases, the density decreases, giving each thickness a distinct look. The panels can absorb the sound of the environment and reflect or allow the passage of light through the panel.







Living as Learning: The School Without Walls

“Each teacher can be a learner, each learner can be a teacher”

Fall 2024

Location: Harlem, New York

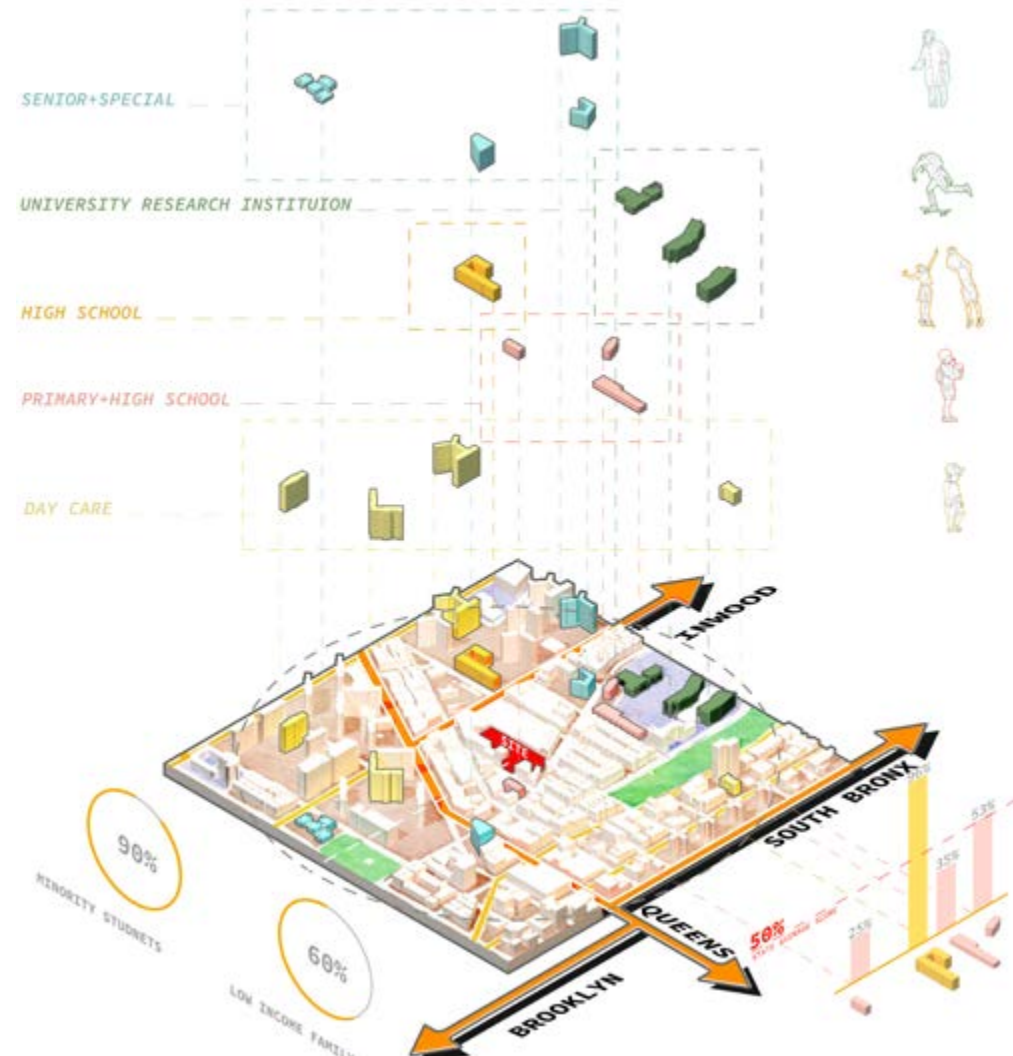
Instructor: Gary Bates

Group member: Haoming Zhu, Hanwen Miao

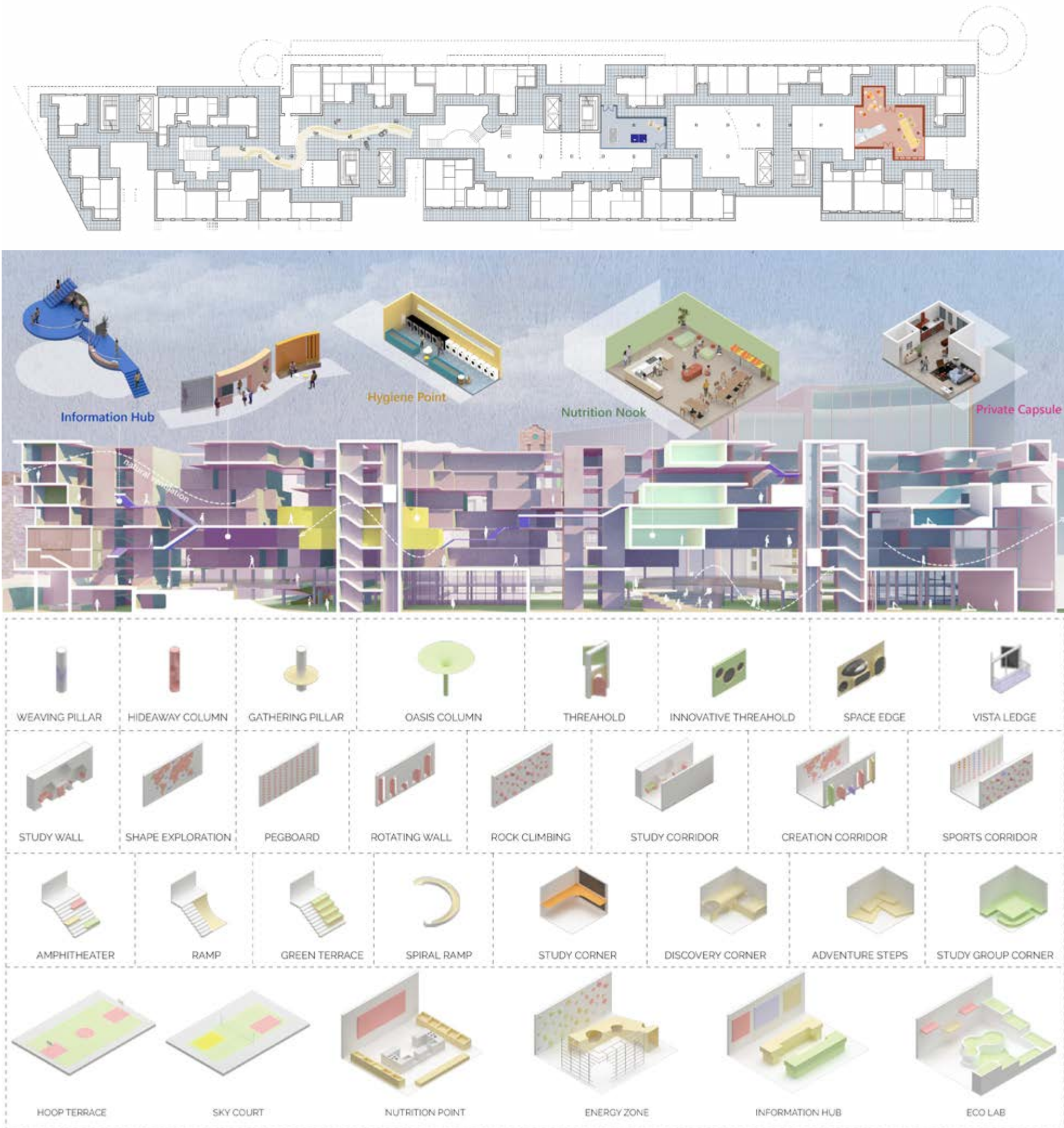
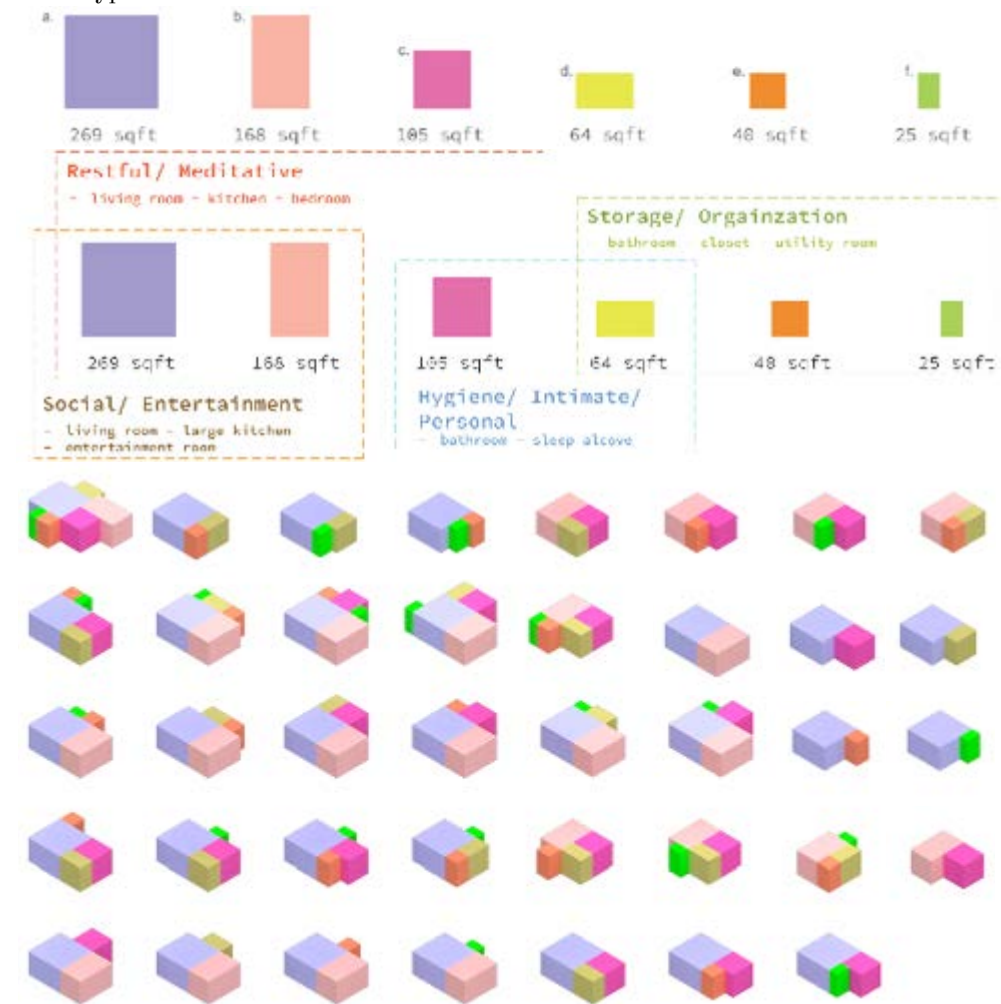
Contribution: Concept 50%, Research 70%, Digrammatic Drawing 60%, Modeling 80%, Rendering 50%

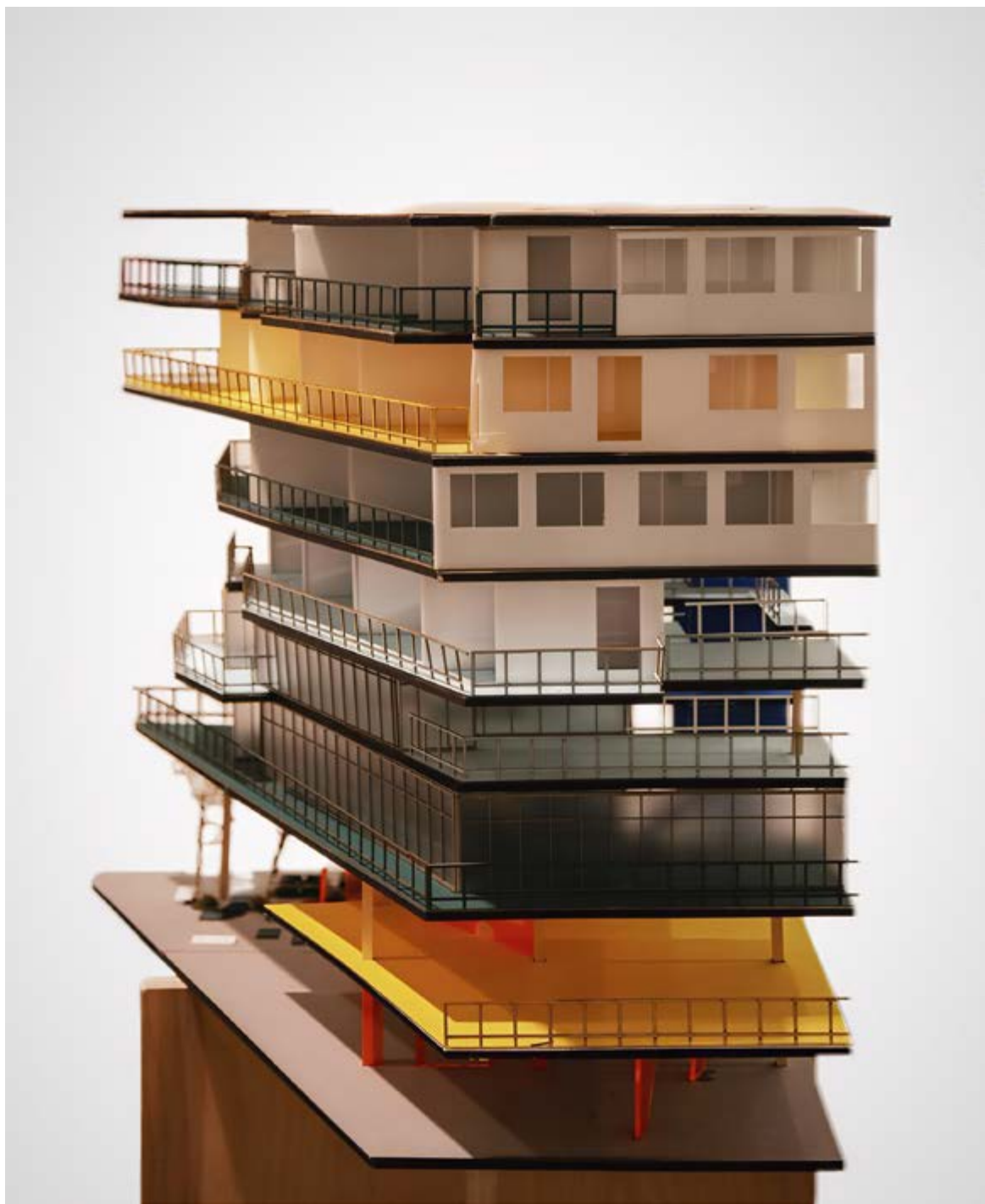
"The School Without Walls" revolutionizes urban living at the corner of Convent Avenue and West 128th Street, transforming traditional housing into a vibrant hub of intergenerational learning and interaction. With the mantra "Each teacher can be a learner, each learner can be a teacher," this innovative project designs spaces that foster dynamic educational exchanges across all ages.

The architecture ingeniously integrates 57 unit types from six fundamental space concepts, emphasizing adaptability and inclusivity in spaces under 250 sq. ft. Public areas like kitchens, gyms, gardens, and more double as communal classrooms, encouraging residents to share skills and knowledge. Modular in design, this project not only maximizes spatial efficiency but also nurtures a culture of continual learning and human connection, redefining the essence of community living.



Unit Type







The Living Shed

A Regenerative Ecological Hub for Liberty State Park

Spring 2025

Location: Liberty State Park

Instructor: Mimi Hoang

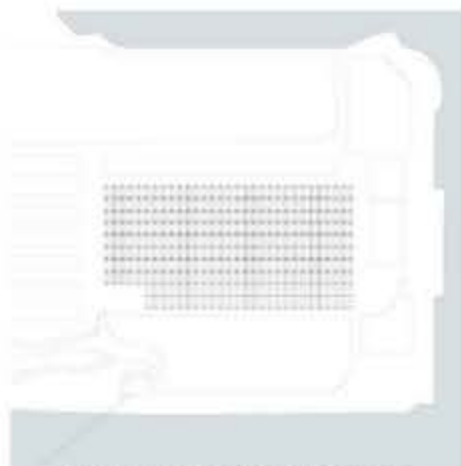
Group member: Haoming Zhu, Hanwen Miao

This proposal reimagines the Train Shed at Liberty State Park as a living, open-access botanical center—a hybrid between a community garden and a specialized ecological research ground—rooted in both public participation and scientific restoration. Integrating a visitor center, science pavilion, exhibition greenhouse, laboratory seed factory, and civic workshop spaces, the project creates a dynamic hub for plant research, soil regeneration, biodiversity education, and everyday public engagement.

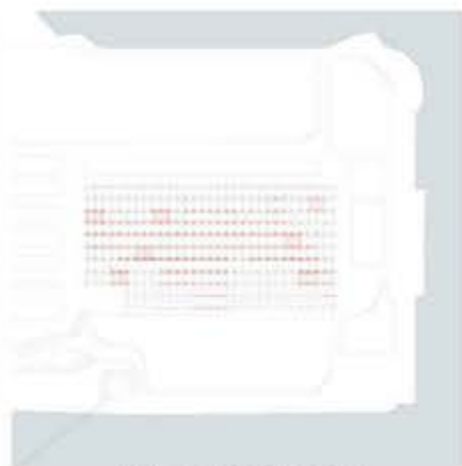
At its heart lies a simple belief:

“A tiny seed can make a mighty deed—when roots run deep, the soil is freed.”

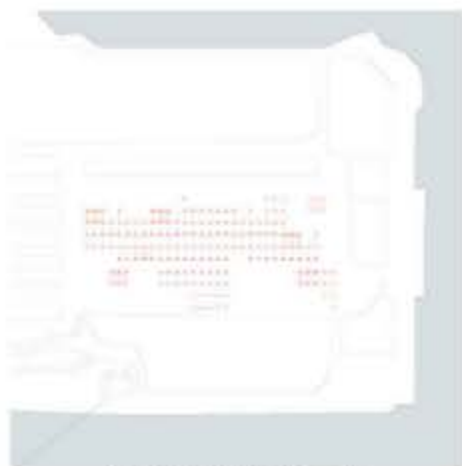
The Train Shed becomes more than a shelter—it transforms into a seedbed for ecological renewal.



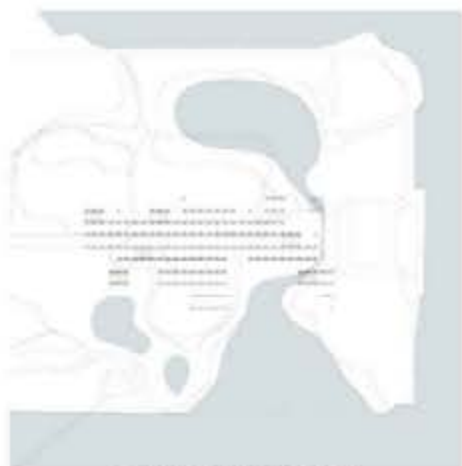
1. Original Train Shed Structure



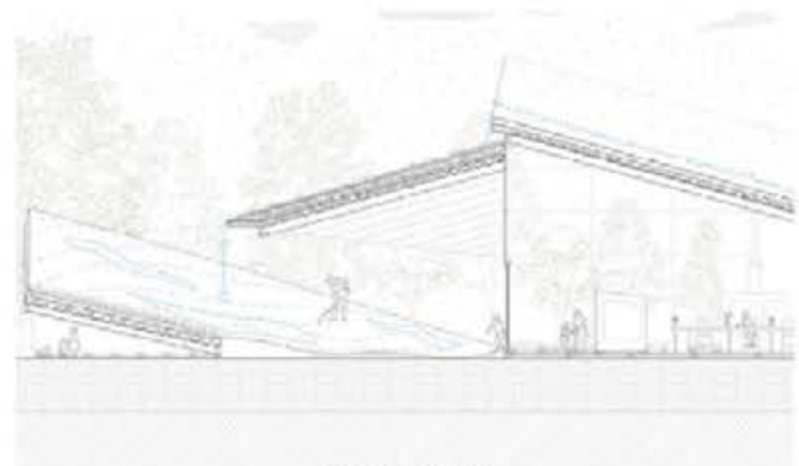
2. Demolition phase 1



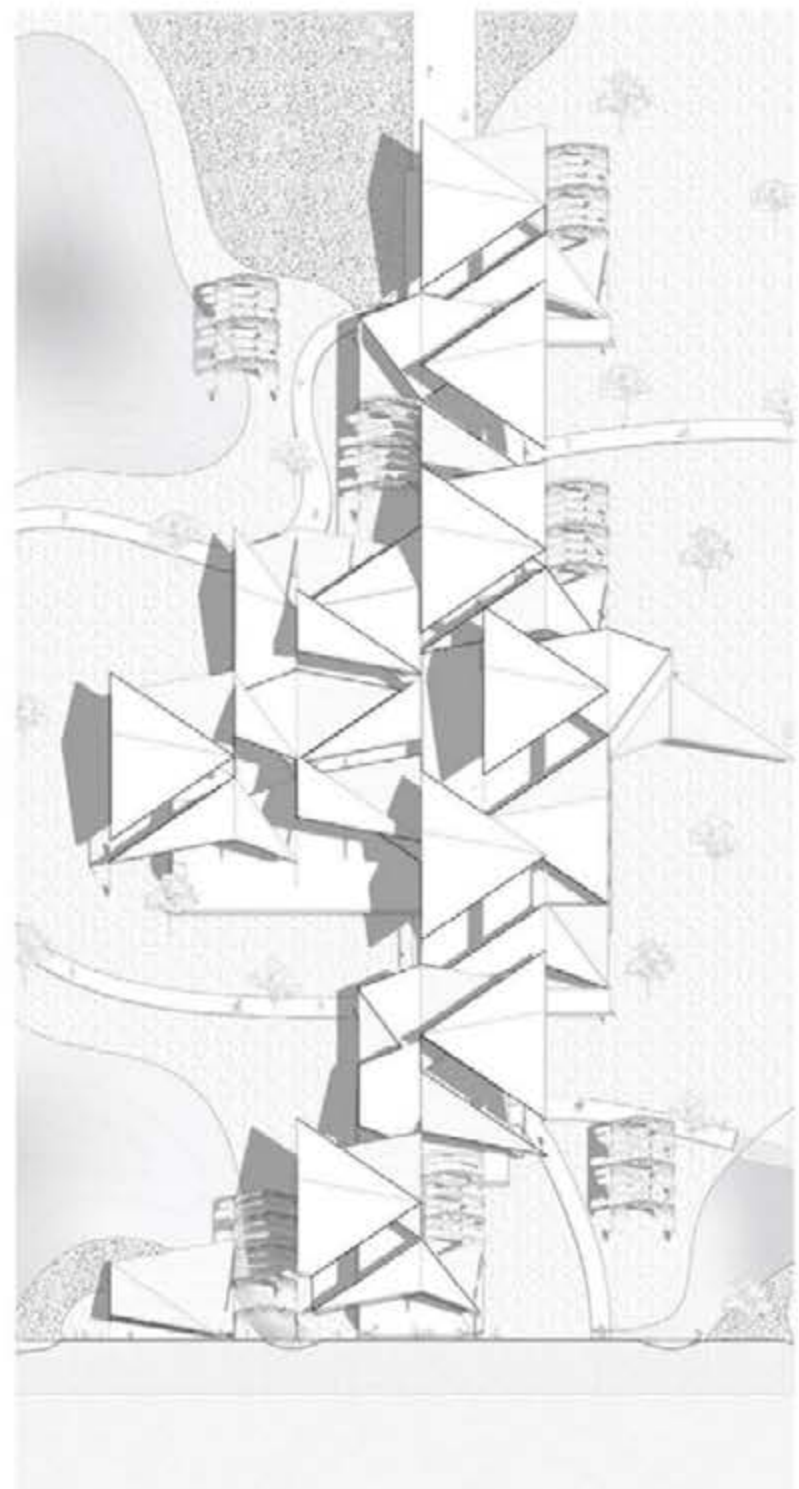
3. Demolition phase 2



4. Demolition phase 2



Detail Section





Irish-American Fashion Museum

Weaving history into living fashion

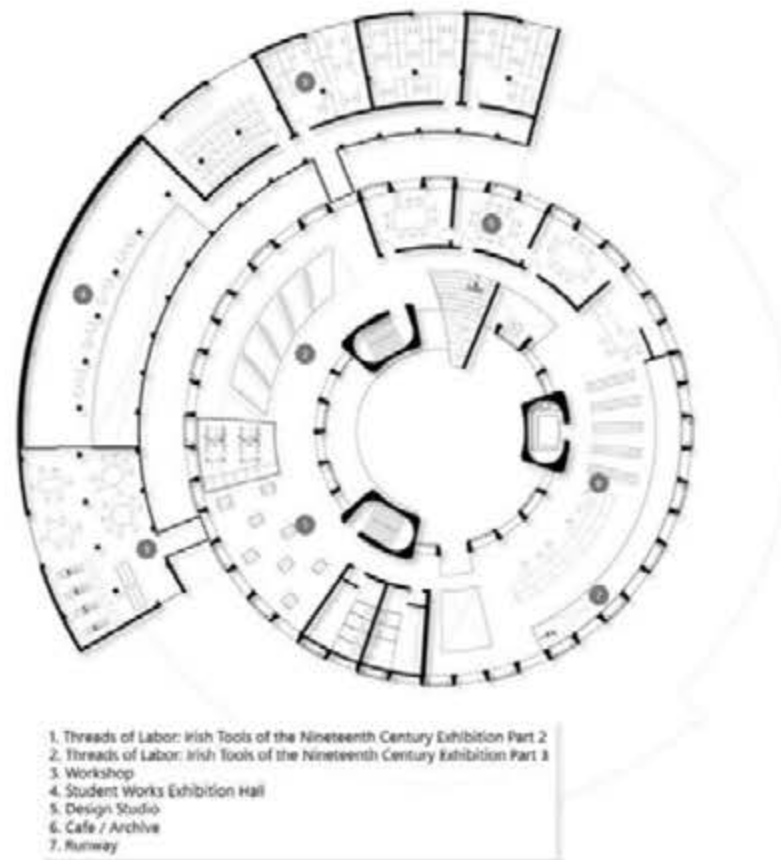
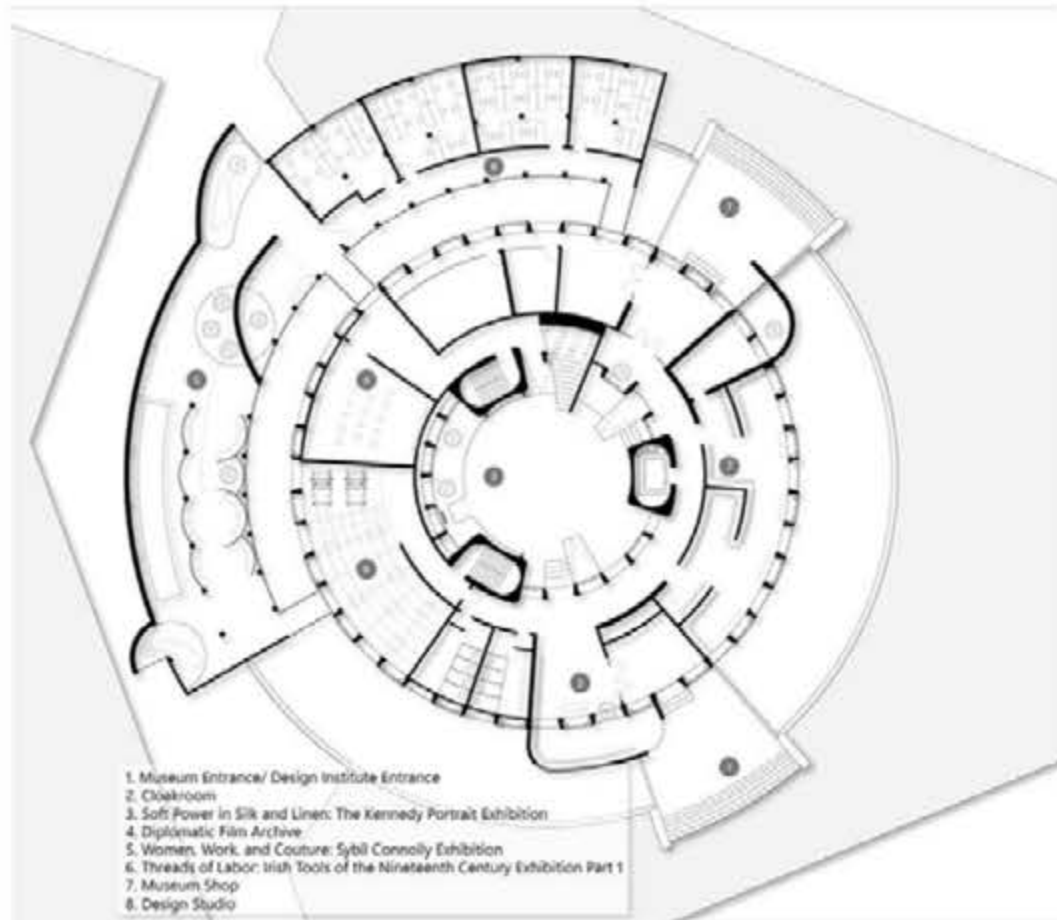
Fall 2025

Location: Dublin, Ireland

Instructor: Jorge Otero-Pailos, Mark Rakatansky

Individual Project

This project transforms the existing building into an Irish American Fashion Museum and Design Institute, using clothing as a diplomatic cultural medium to unfold intertwined narratives of identity, labor, gender, and contemporary creative industries. Through exhibition halls, textile workshops, and design studios, the project constructs a continuous system of learning and production. The design is grounded in the concept of 'weaving history,' re-texturing the building while preserving its structural order. By introducing fabrics of varying textures, the interior spatially negotiates the tension between traditional craftsmanship and contemporary fashion. In the juxtaposition of museum and design institute, old and new, display and production flow into one another. Textile studios remain open to the public, while student work enters the museum shop, forming a cycle from making to exhibition to re-production. Through this loop, fashion becomes an active cultural medium that continuously generates new energy within the city.





To Curve

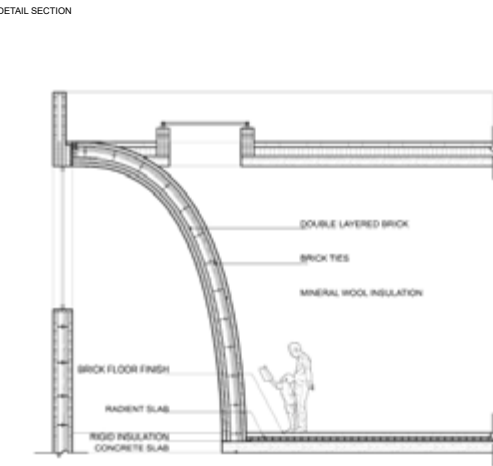
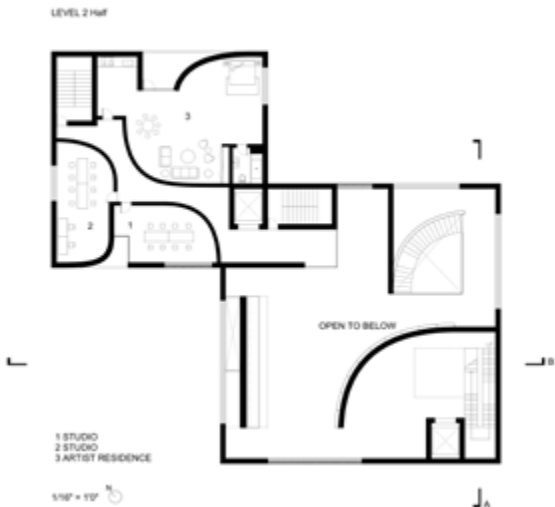
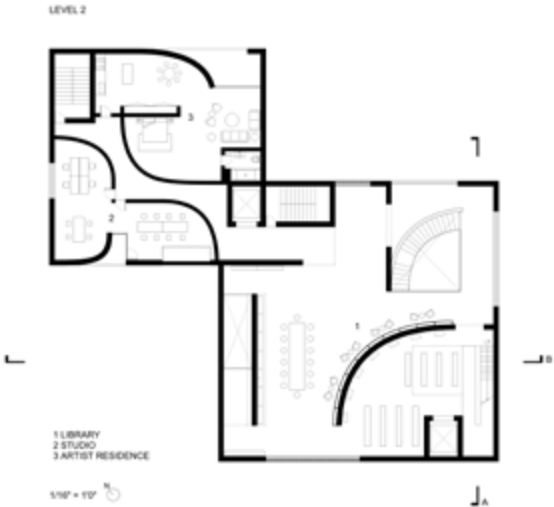
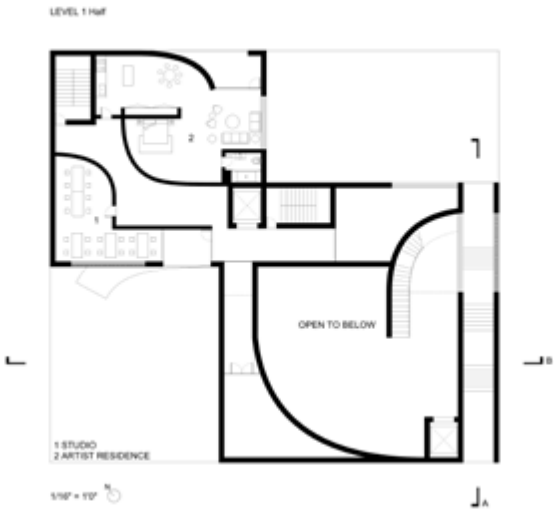
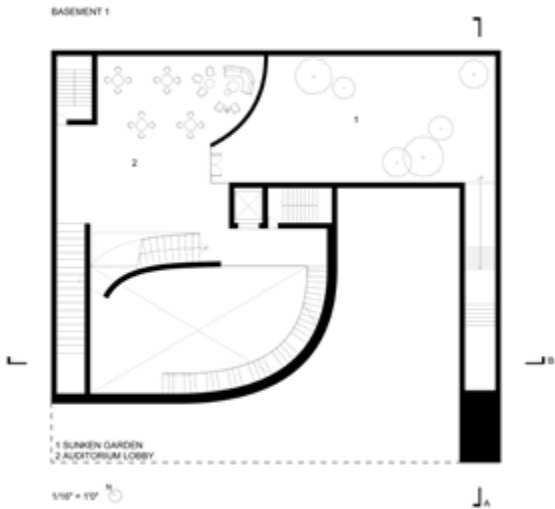
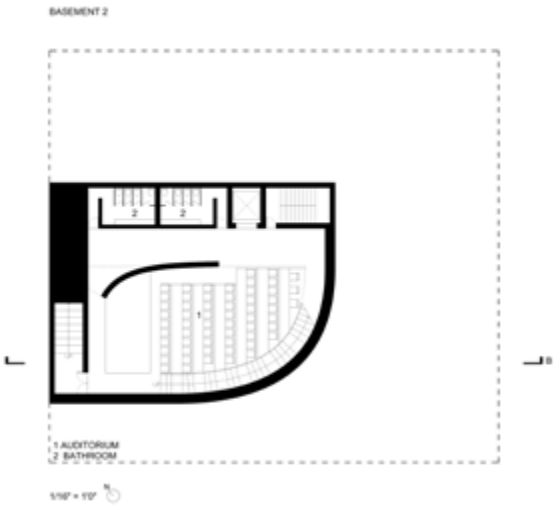
Spring 2026

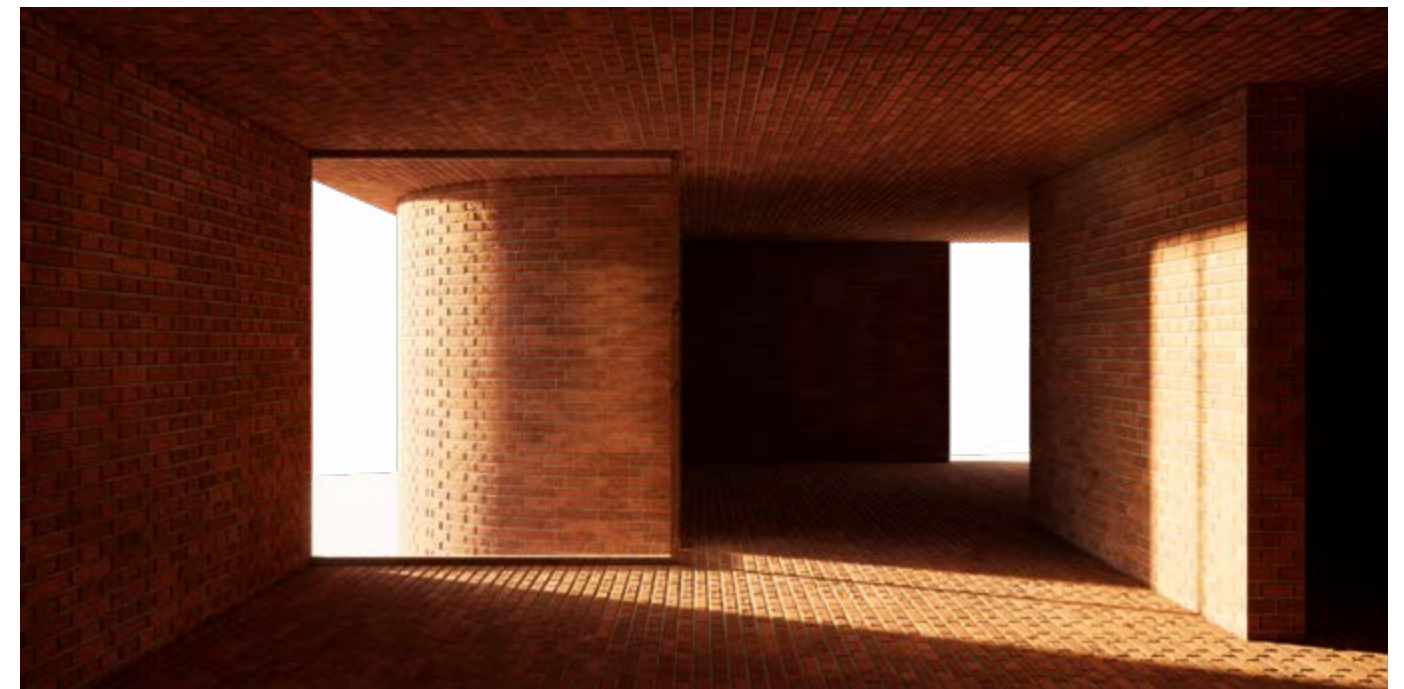
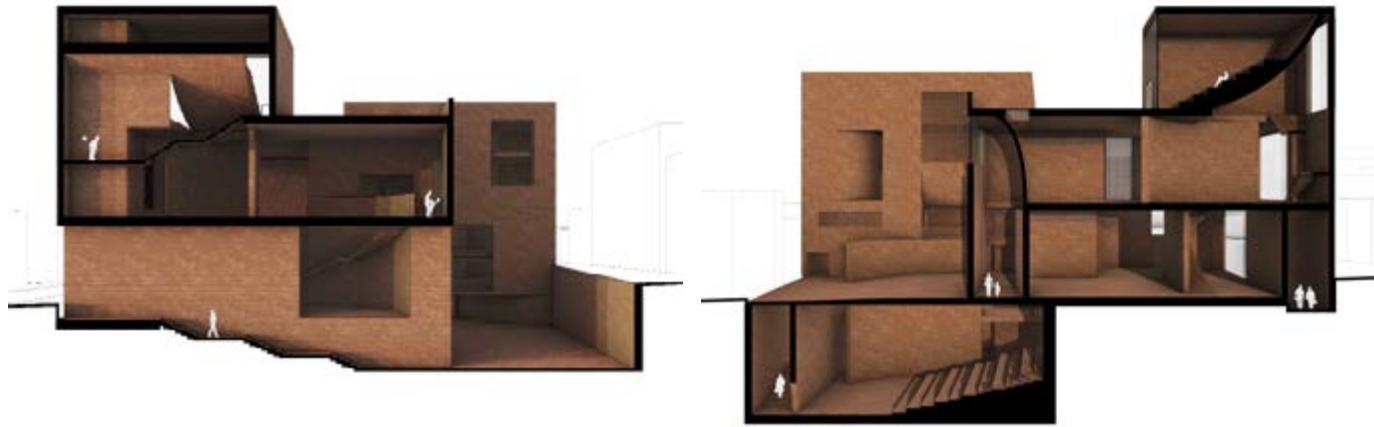
Location: Hudson, NY

Instructor: Steven Holl, Garrick Ambrose

Group member: Haoming Zhu, Hanwen Miao

- Curving surfaces define space and shape entrances, circulation, and light.
- Two volumetric load bearing brick cubes shift on the site to create two gardens. One private garden and one public garden.
- One volume is for fine grain program-studios, residences and offices. The other volume is for the public programs.



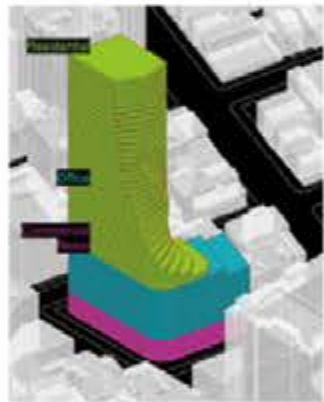




Throne 30

Mixed use high rise building

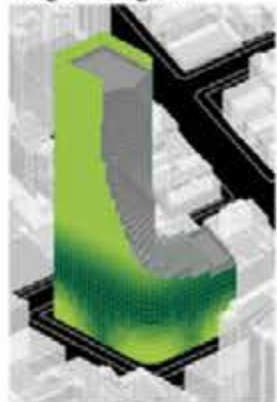
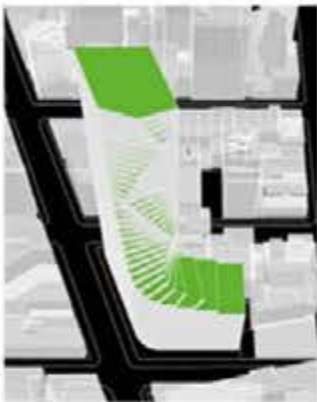
Fall 2025
 Location: 1227 Broadway, New York, NY
 Instructor: Joe Brennan
 Group member: Haoming Zhu, Yunhao Zhong, Mia Miao, Tommy Wang



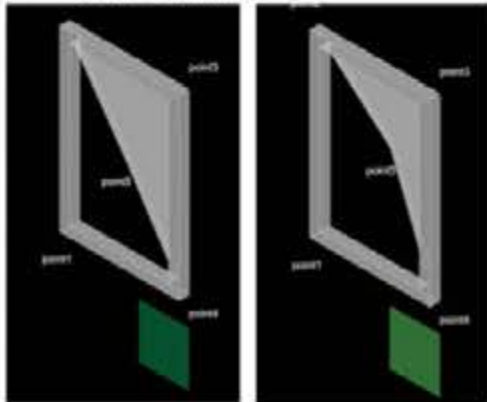
Program Diagram



Terrace Iteration



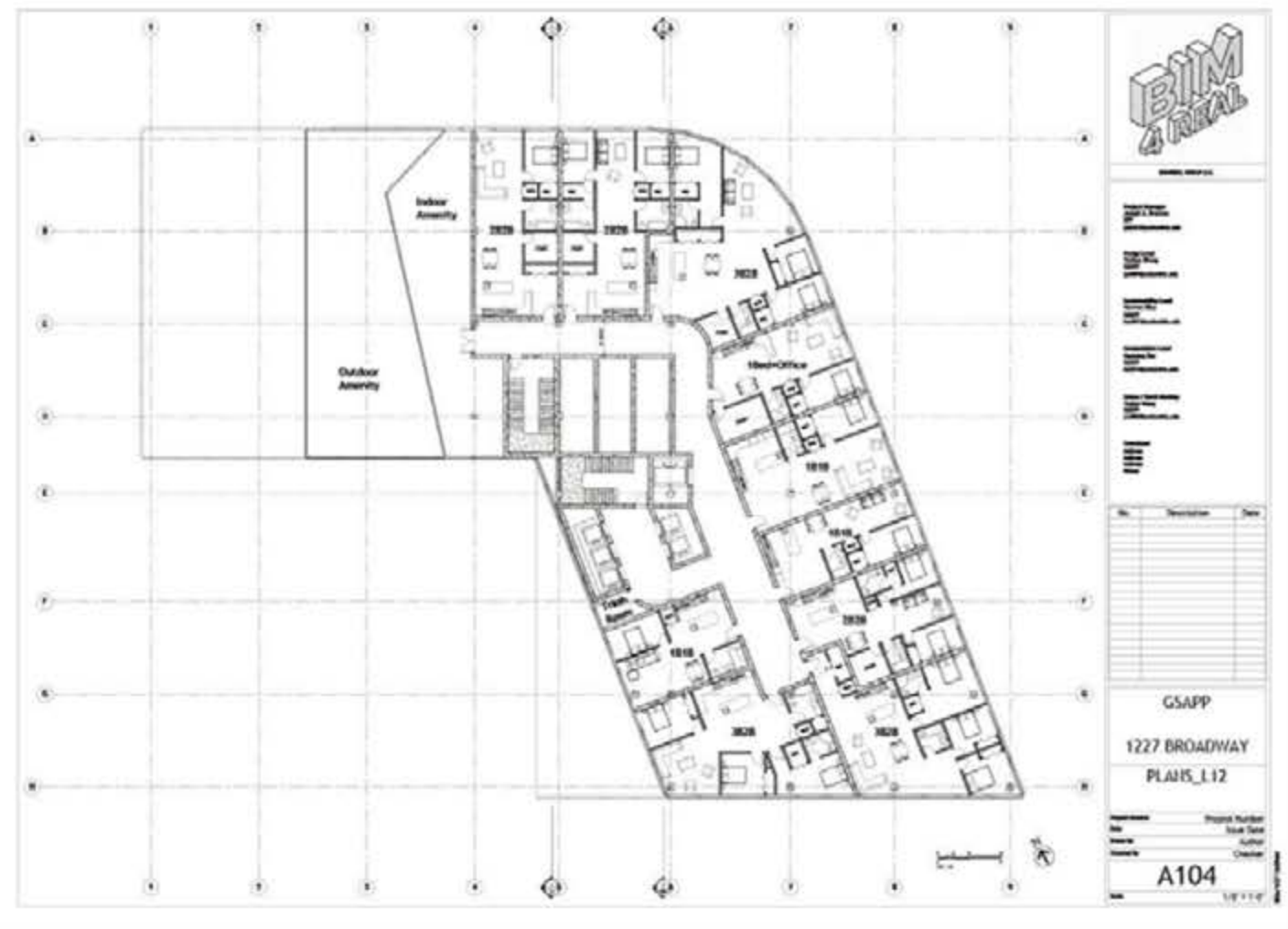
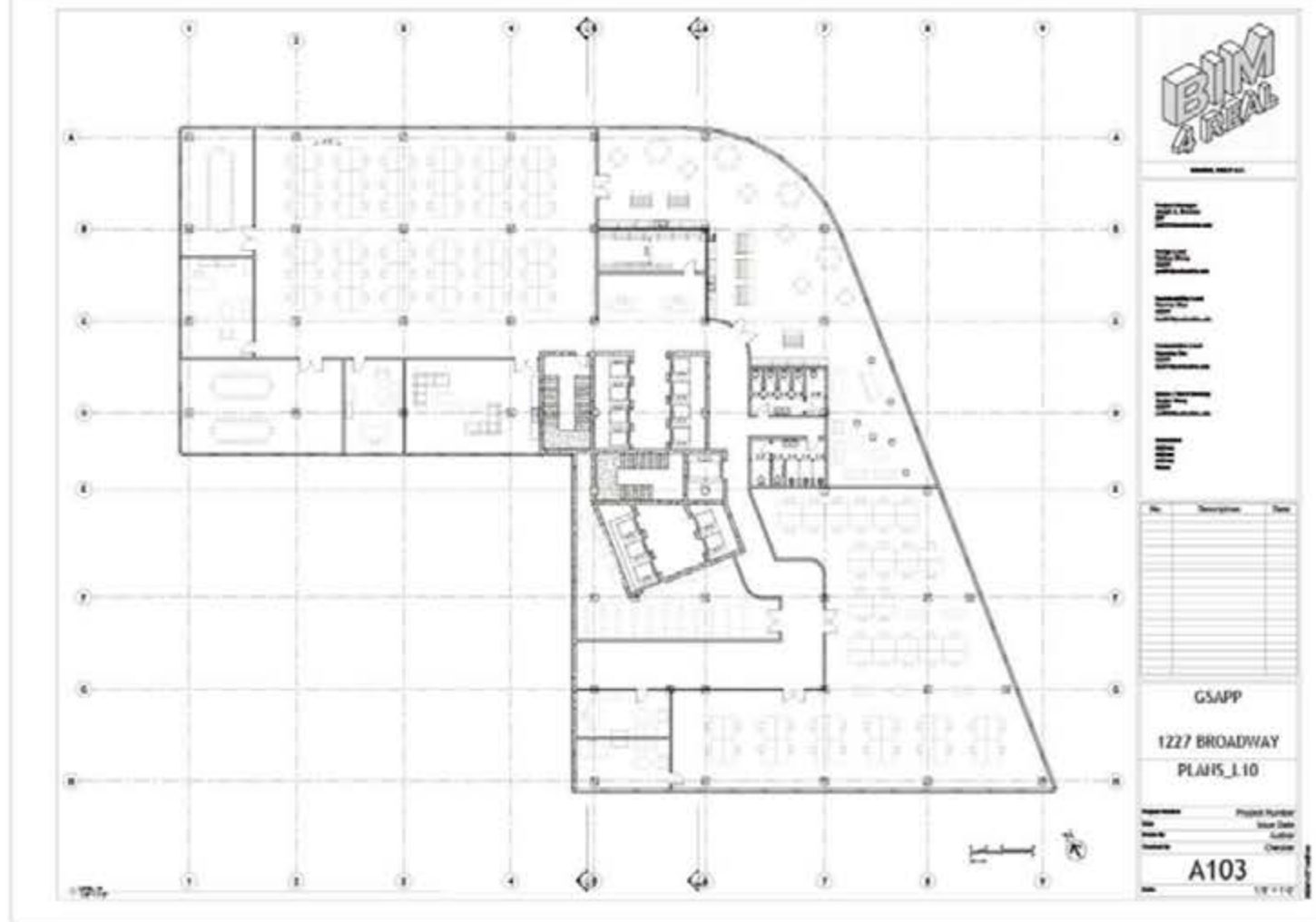
Facade System Iteration



Office Lobby



Mood Board



Office Area



Mood Board



Residential Living Room



Mood Board