

# PORTFOLIO

JAYDA K. WHITE

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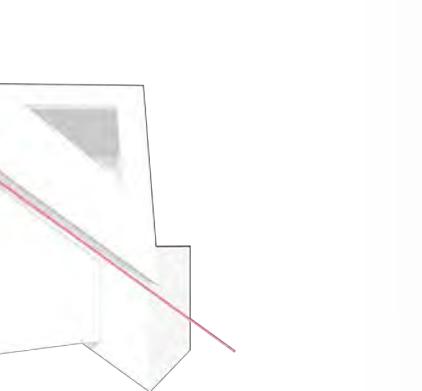
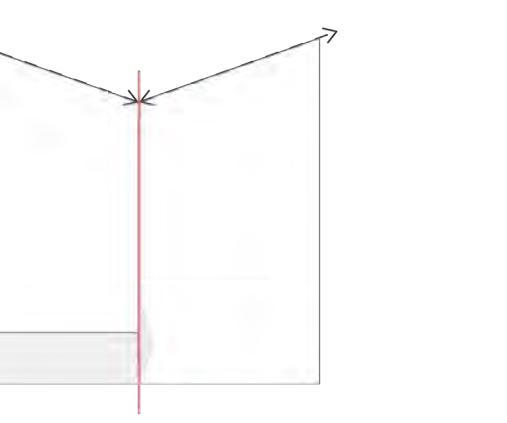
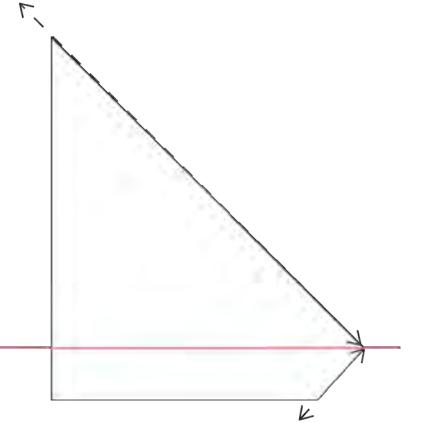
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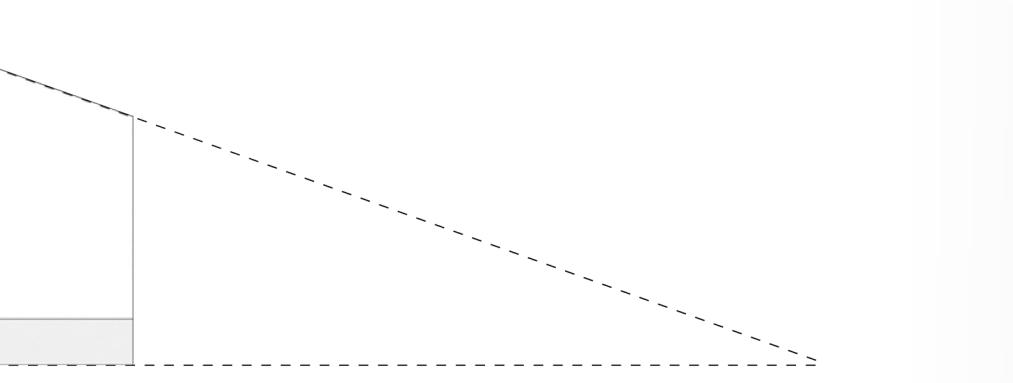
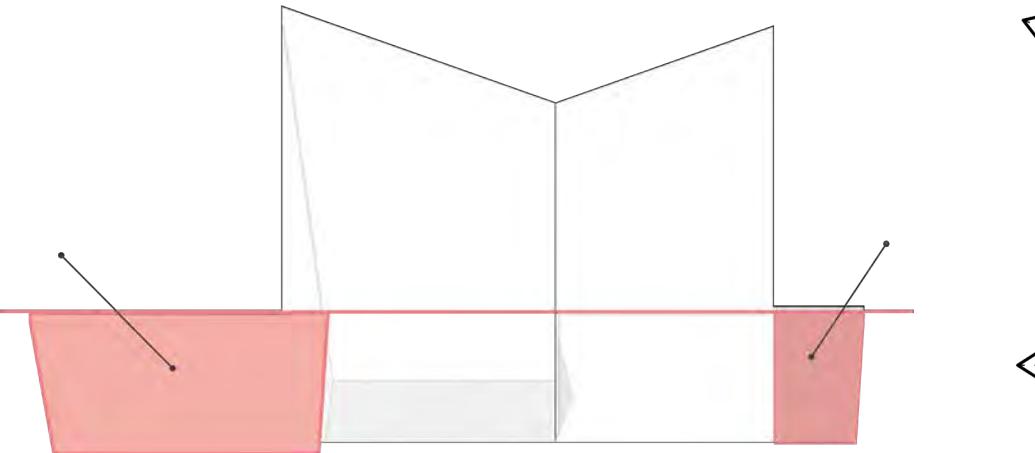
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PHYSICAL MODELS

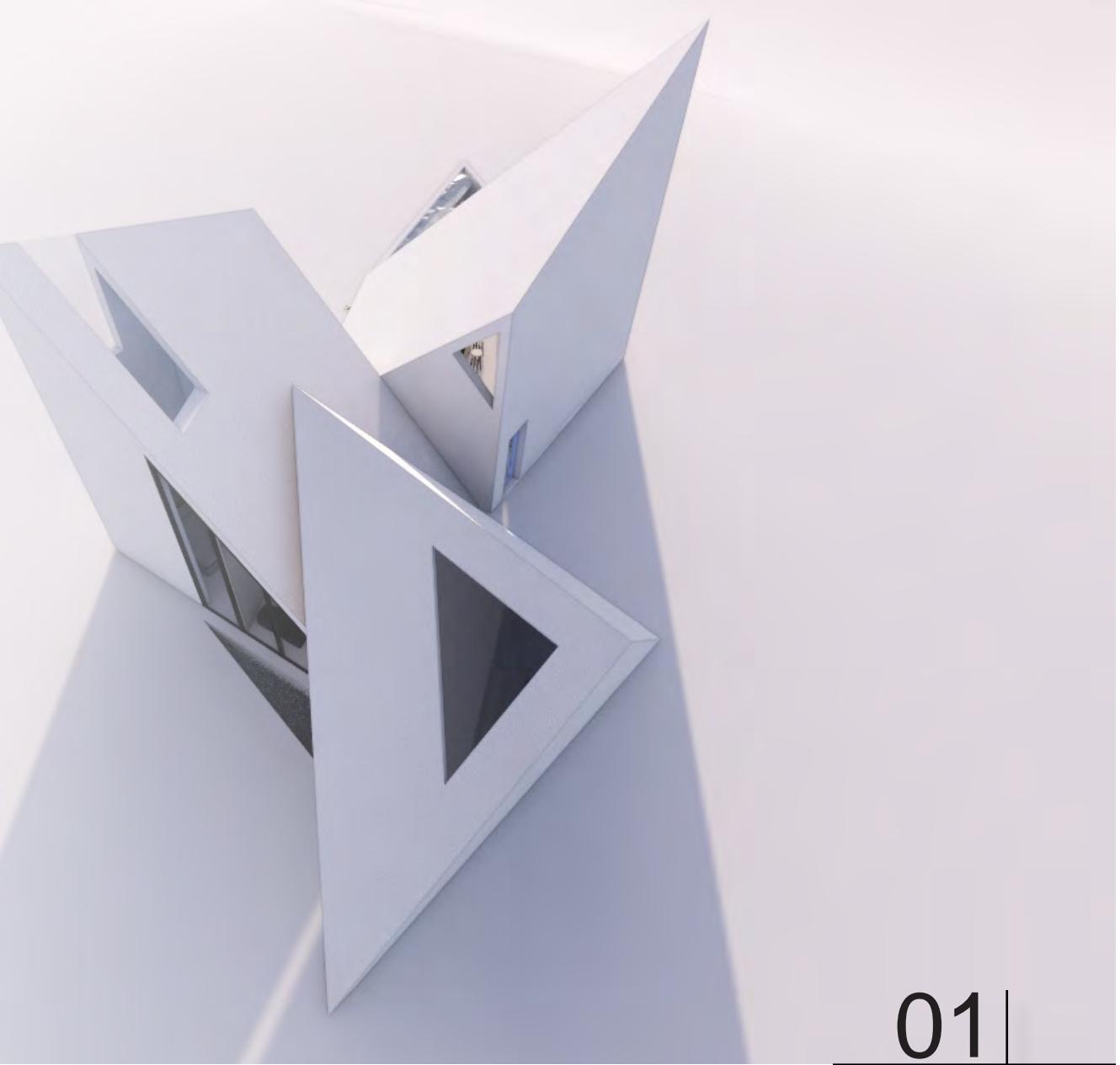
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This diagram explores the generation of architectural form through asymmetrical mirroring, guided by an introspective design process. A single geometric volume is manipulated along a diagonal axis—serving as both a literal and conceptual mirror. Rather than achieving symmetry, the mirrored mass shifts, resulting in intentional imbalance that reflects internal complexity.



Within the mirrored forms, spatial compression and expansion are introduced—tight, intimate moments contrast with open, airy volumes, followed by skylights from underground—evoking the emotional rhythm of reflection and self-discovery.

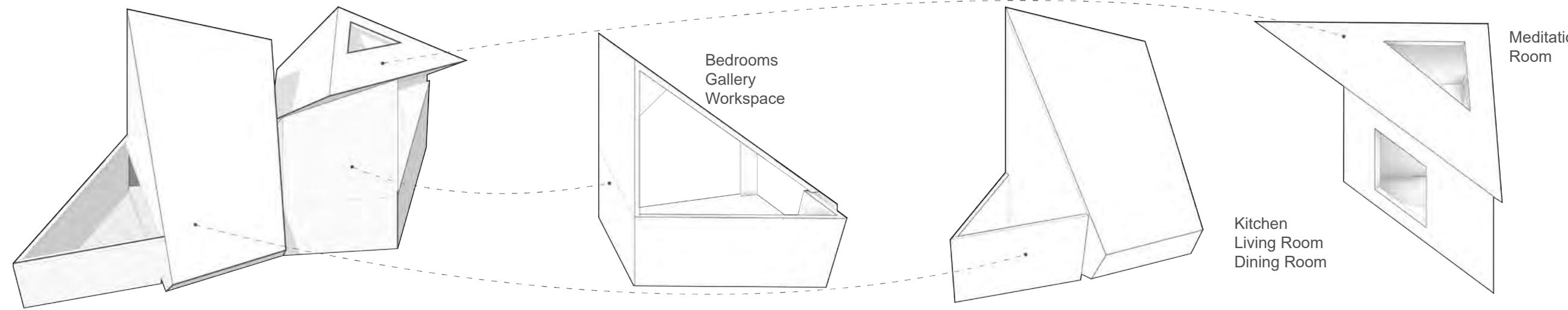


01  
Studio 10

# HOUSE FOR AN ARTIST

Location: White Sands, New Mexico

This project is an exercise in introspection, using design as a mirror to explore the deeper layers of self. The fictional client—an abstracted reflection of myself—represents my truest desires, values, and emotional states. The house is not only a place of dwelling but a spatial narrative of identity, memory, and solitude. Each architectural element, from material choices to spatial sequences, is designed to evoke moments of pause, contemplation, and personal clarity. Through the interplay of light, shadow, and mirrored volumes, the home becomes both a sanctuary and a canvas for internal reflection.

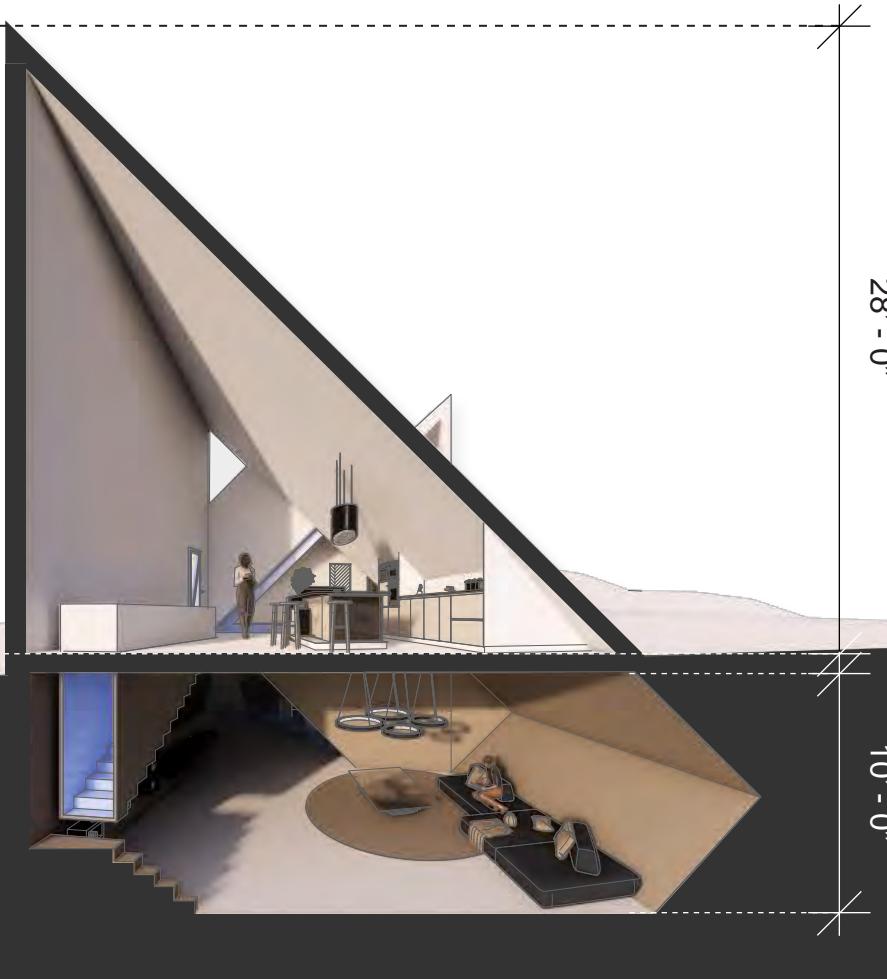
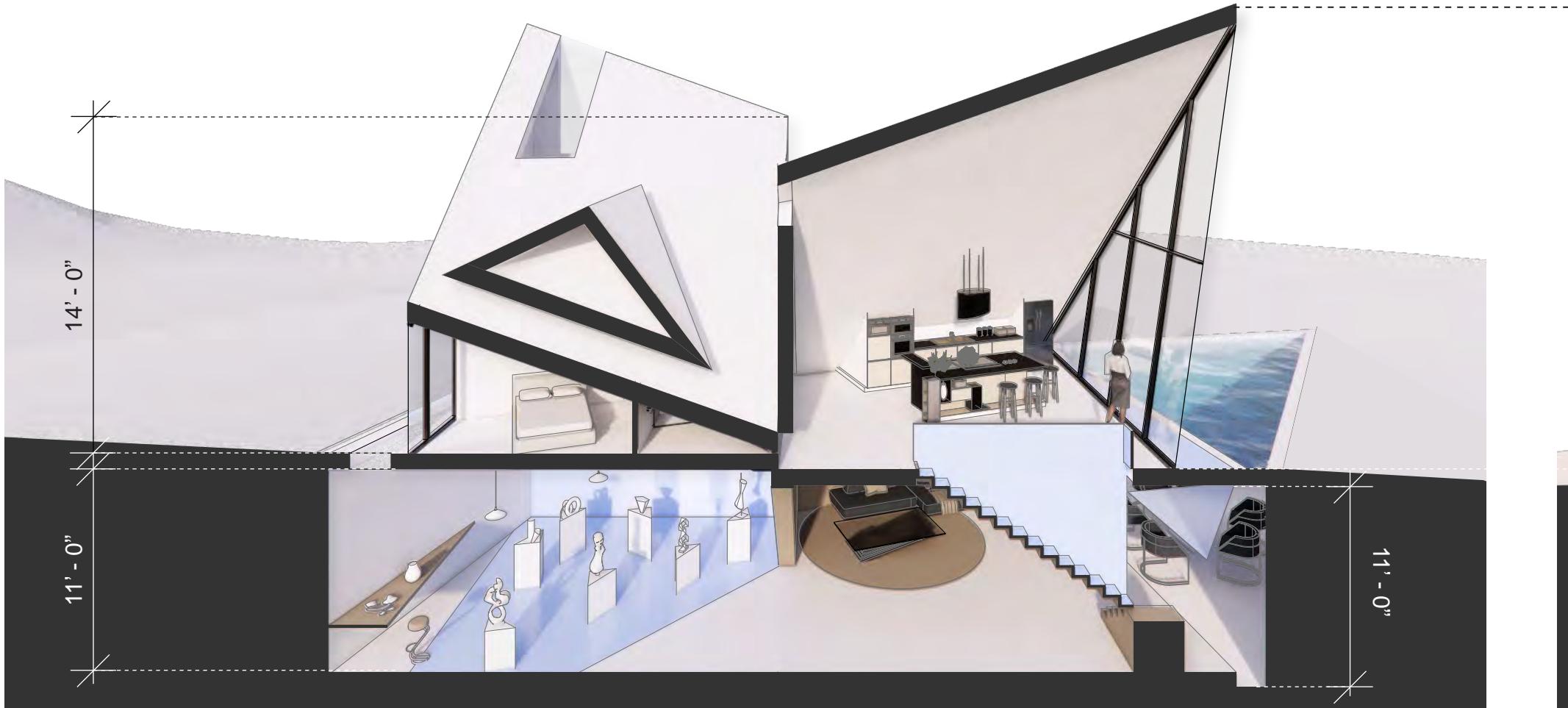


Meditation Room

### Programming

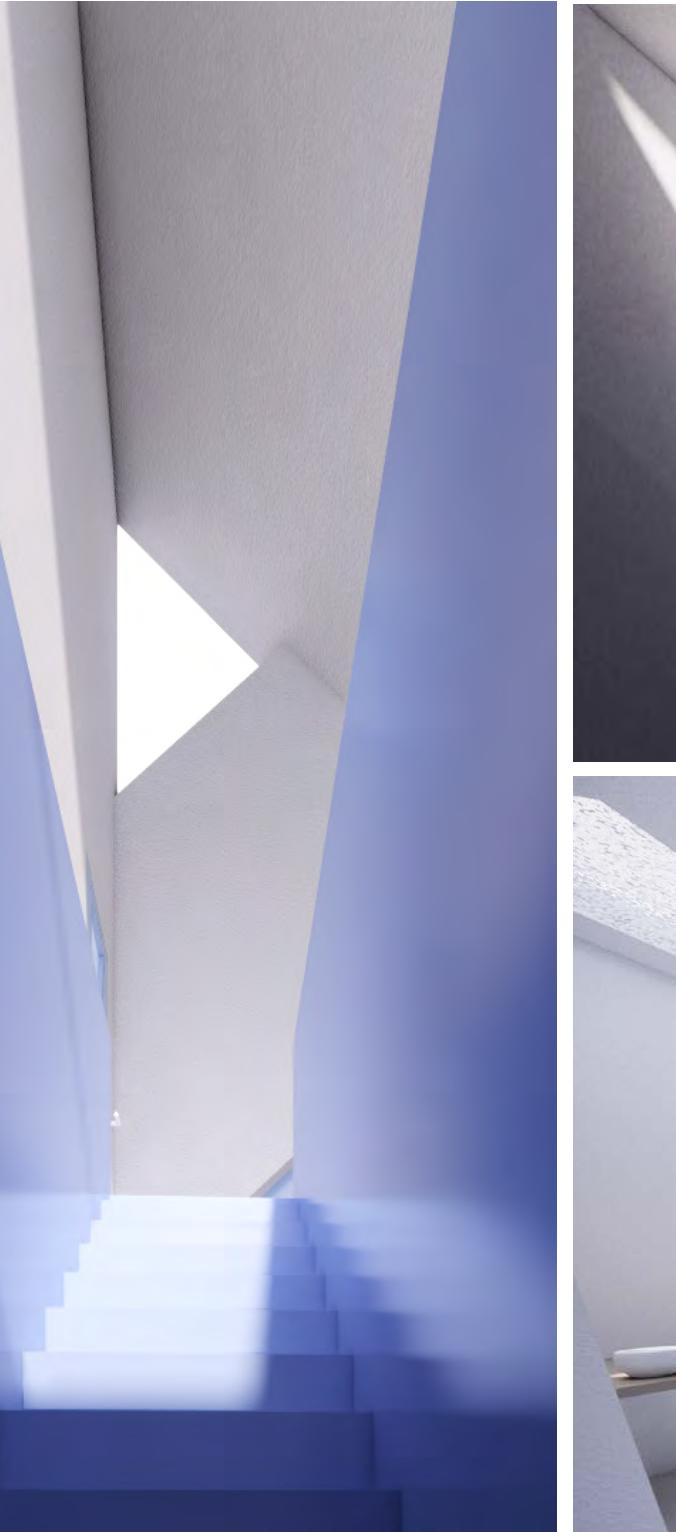
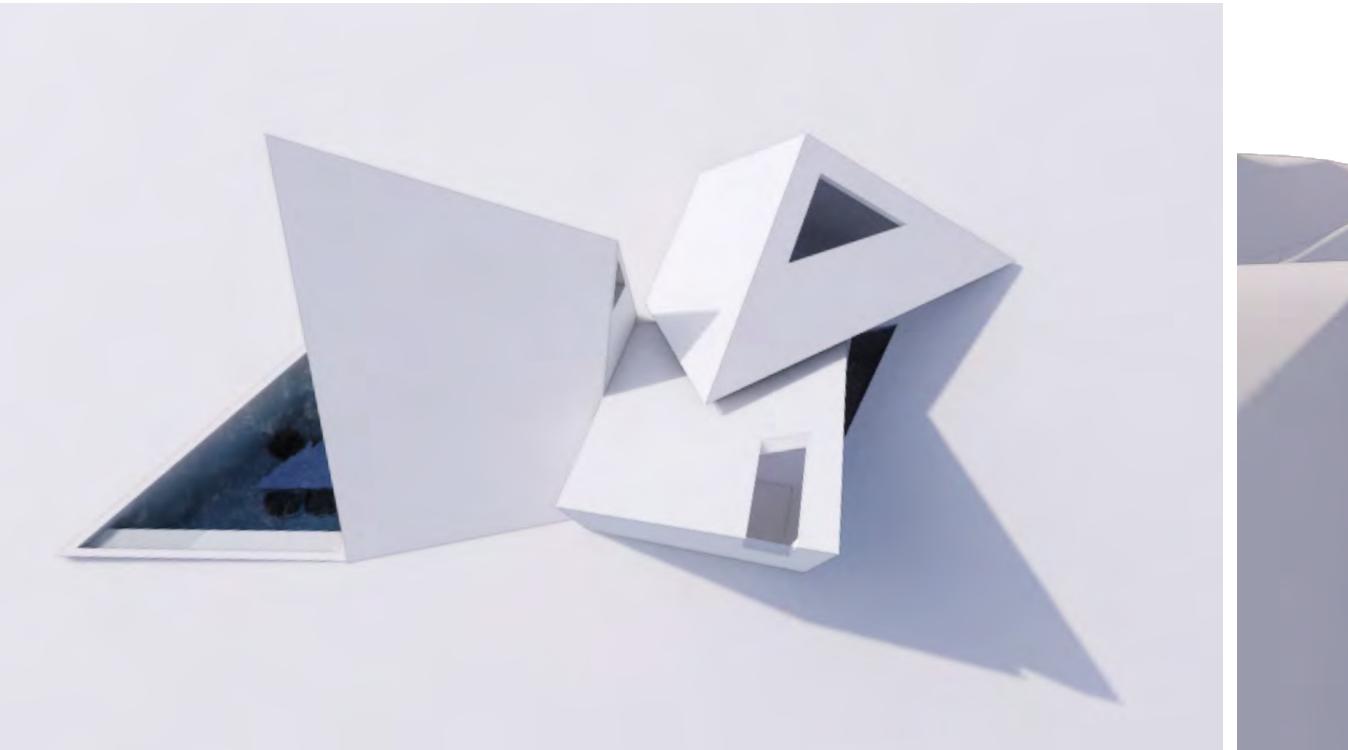
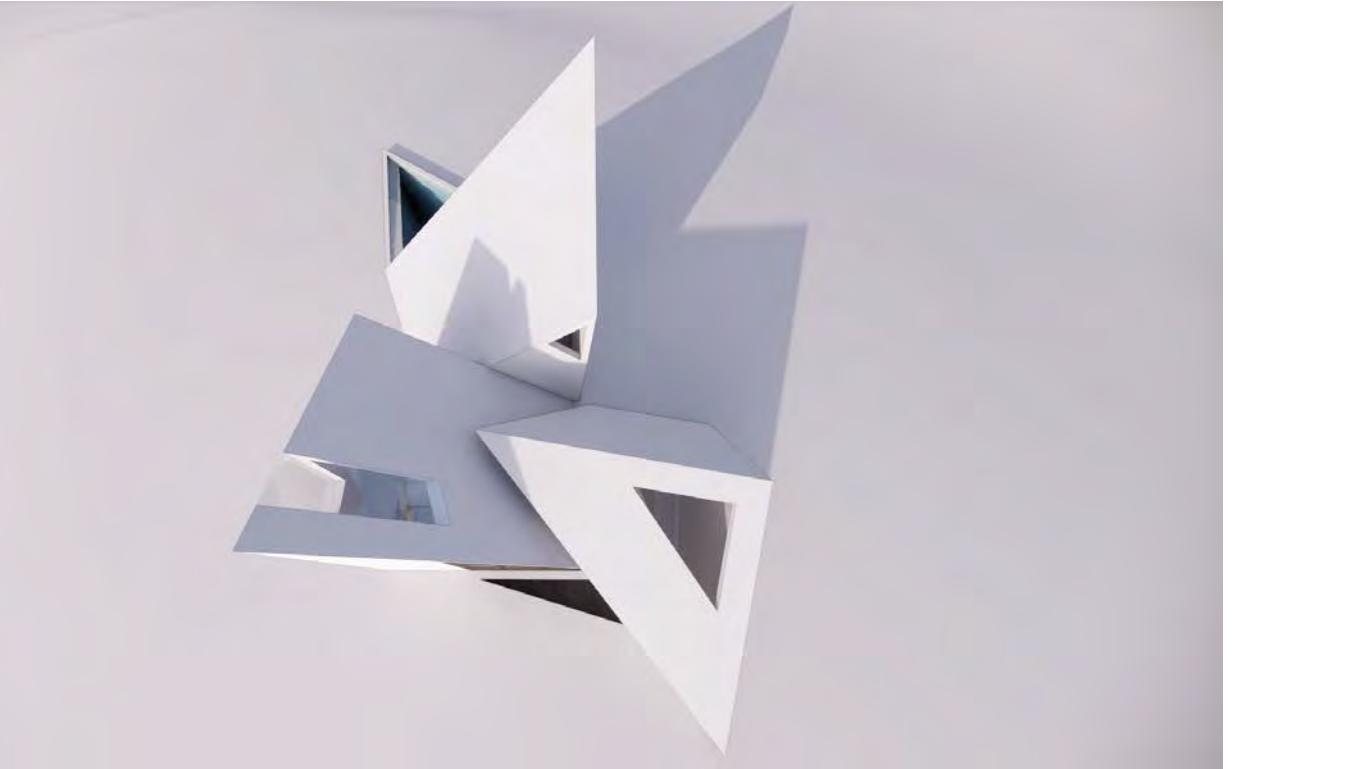


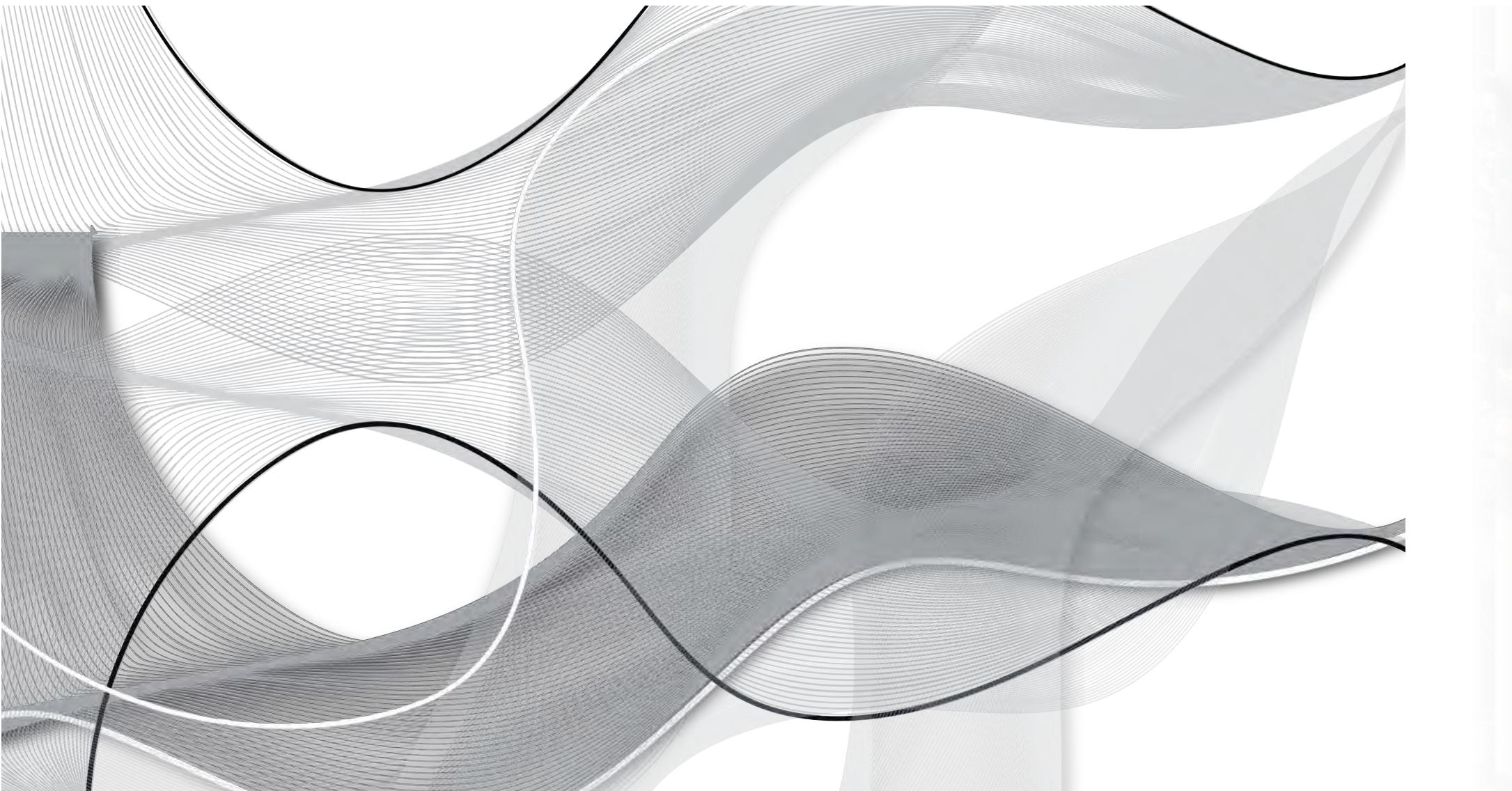
First Floor Plan



Basement Floor Plan

Section Perspectives





We have a train that runs continuously at a given time every day, but we're also looking at affordable housing constants. In Brooklyn, many affordable housing projects are repetitive in form, façade, apartment units, circulation, or structure. Which can make someone's living experience mundane.

My goal is to modify these constants to make that potential experience more pleasurable. Exploring this concept is important because one of our main objectives as designers is to improve people's quality of life. To design an experience that users can appreciate and enjoy rather than just a place to simply live and exist in. All it takes is a simple modification to achieve this goal.

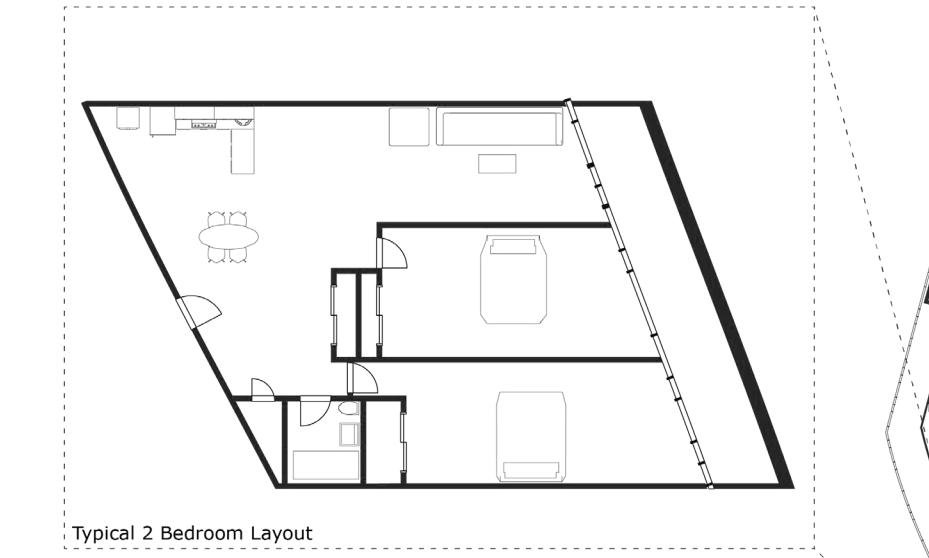
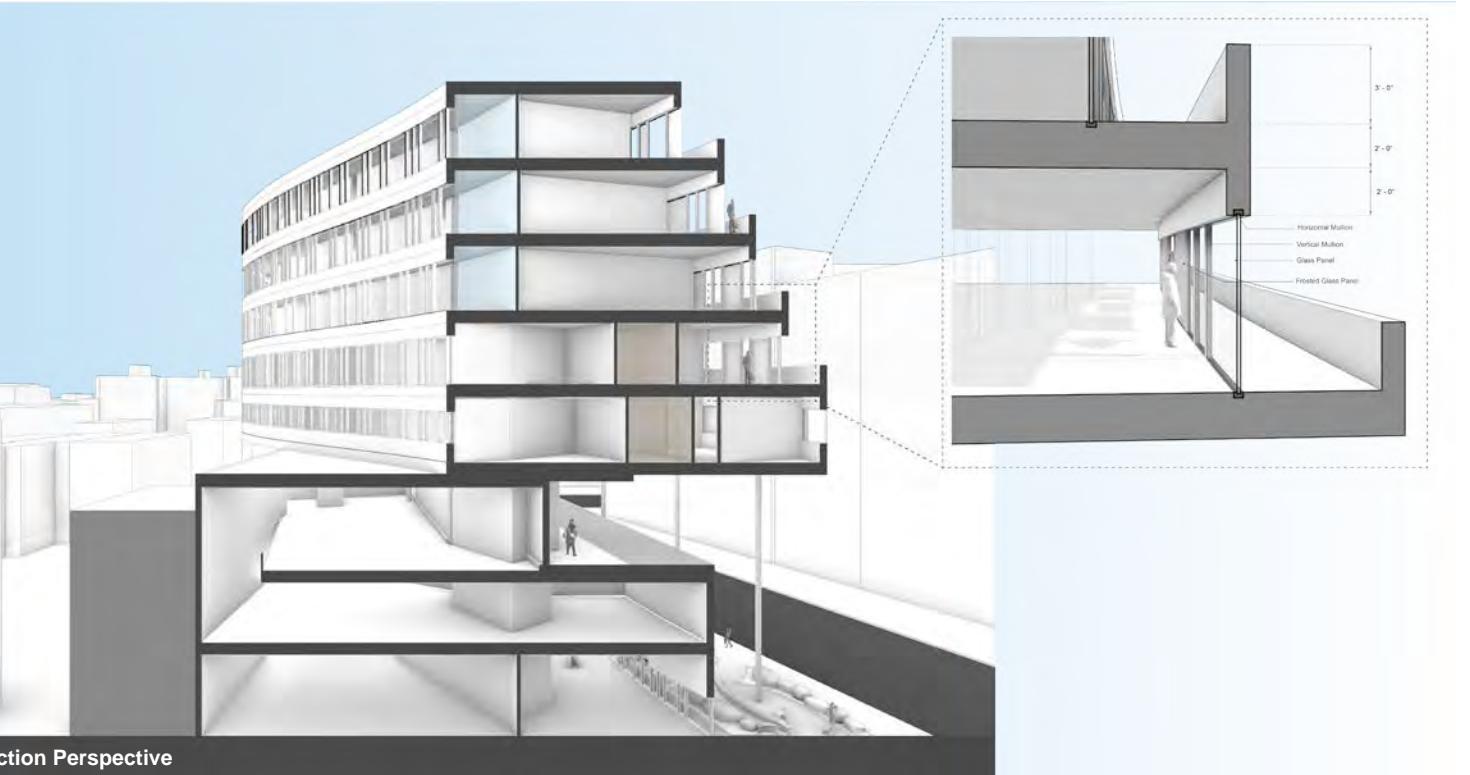


## APARTMENT COMPLEX

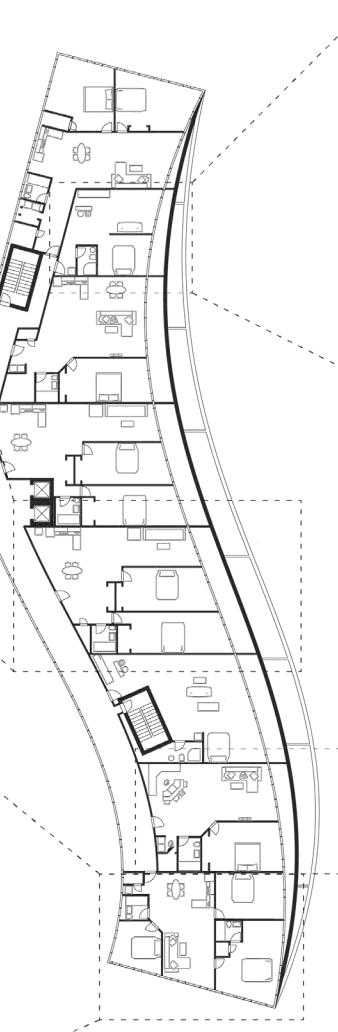
Location: 199 Lefferts Place, Brooklyn NY

02

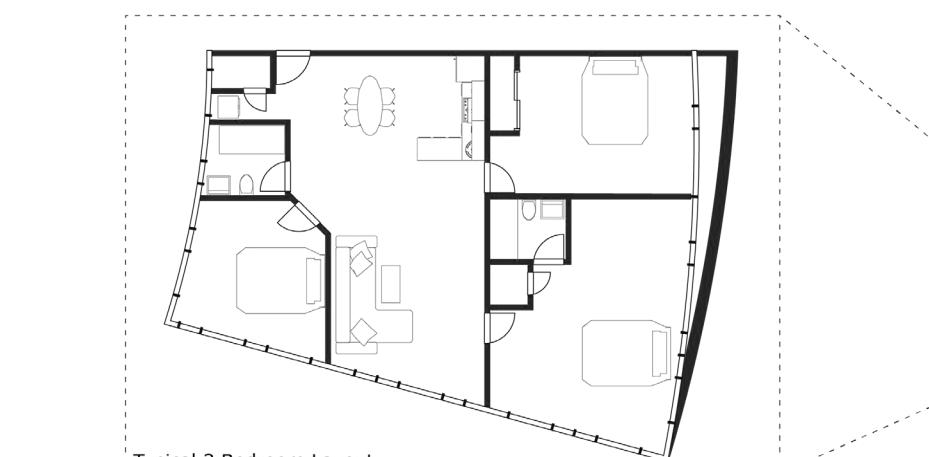
Studio 6



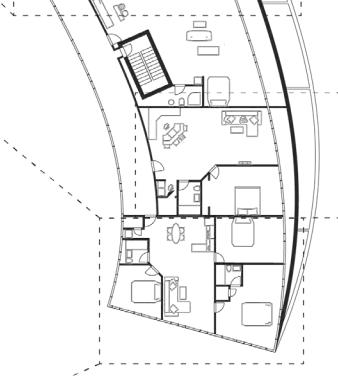
Typical 2 Bedroom Layout



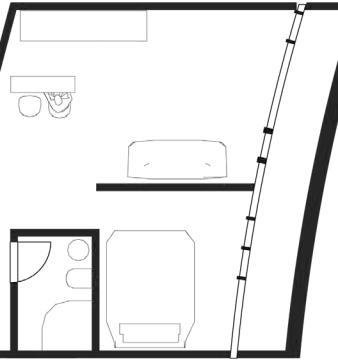
Typical 1 Bedroom Layout



Typical 3 Bedroom Layout

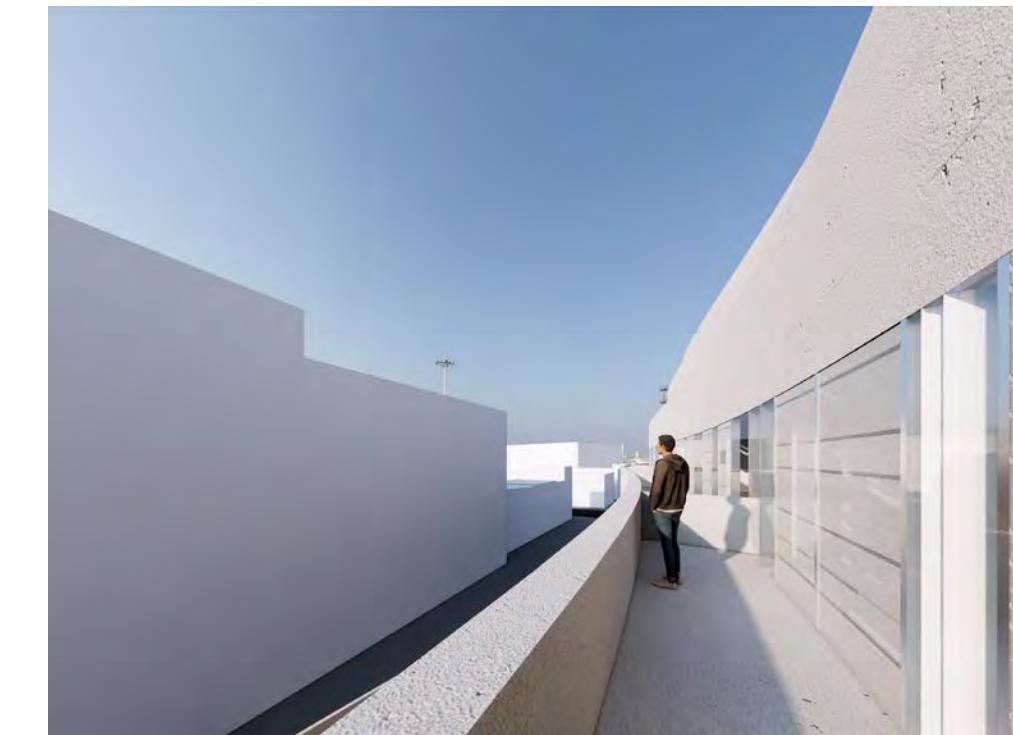


Typical Studio Layout



Total Apartments: 51

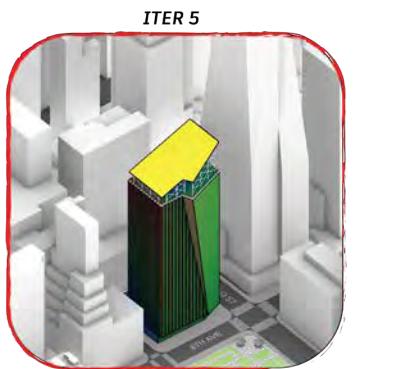




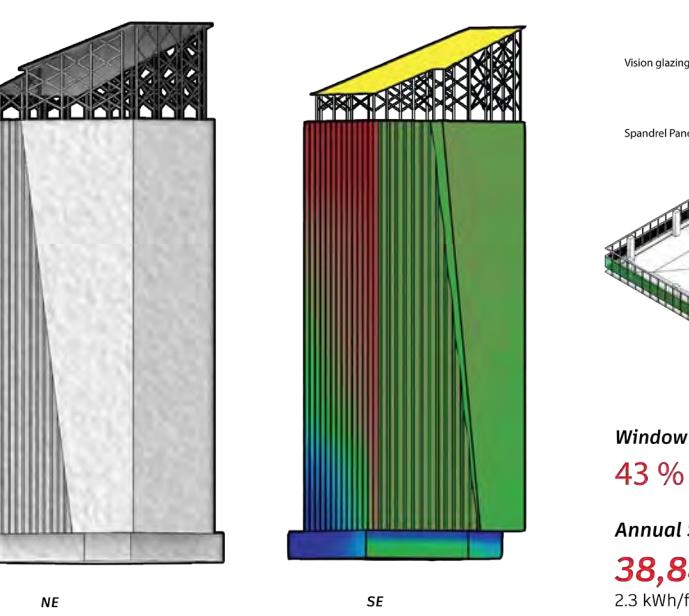


A diagonal line divides the building's East façade, with the northeast portion extending toward the park. The southeast portion features vision glass panels set at 90 degrees, offering a direct and intimate view of Bryant Park. This strategic orientation also helps reduce southern solar heat gain by incorporating opaque GFRC panels—chosen for their strength, lightweight nature, and visual appeal. Facing south, these panels enhance the building's durability while minimizing structural load. Depending on the viewer's position, the building may appear primarily glass or GFRC, resulting in a dynamic and visually engaging experience.

**TOWER FAÇADE**  
Location: 1095 6th Ave, New York, NY 10036  
Group Project



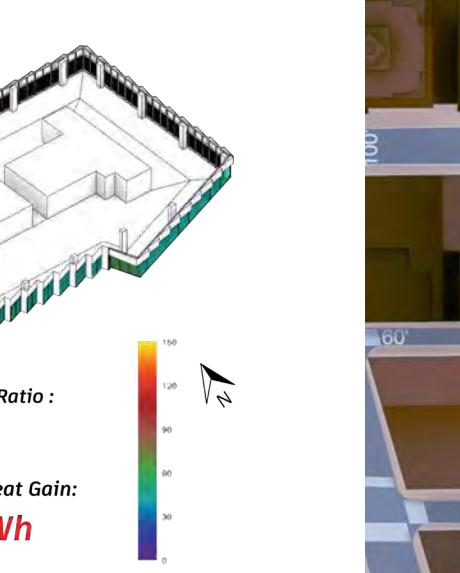
**V PRODUCTION (kWh/yr)**  
TOTAL PV PRODUCTION (kWh/yr) :  
**581,782**  
TOTAL FLOORS: 31  
WALL AREA: 258,274  
ROOF AREA: 28,295  
FAÇADE RADIATION: 11,856M  
TOTAL FLOOR AREA : 682,596  
PV PRODUCTION (kWh/ft<sup>2</sup>/yr) :  
**24.3**  
0 150 kWh/ft<sup>2</sup> (Annual Solar Radiation)



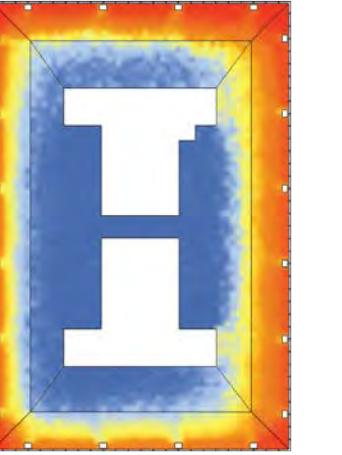
### BASE MODEL



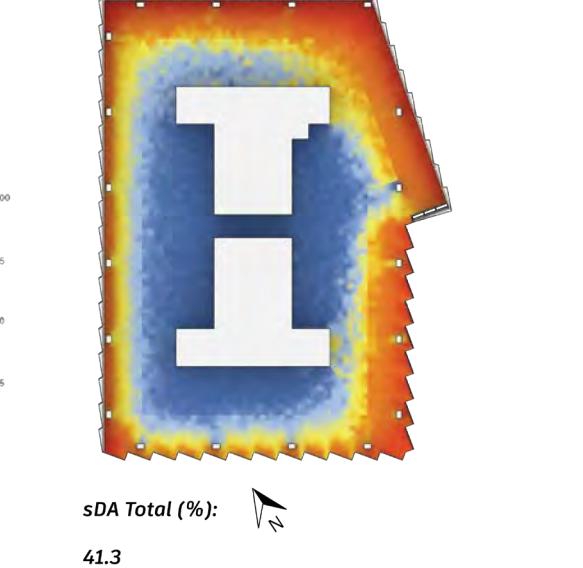
### PROPOSED MODEL



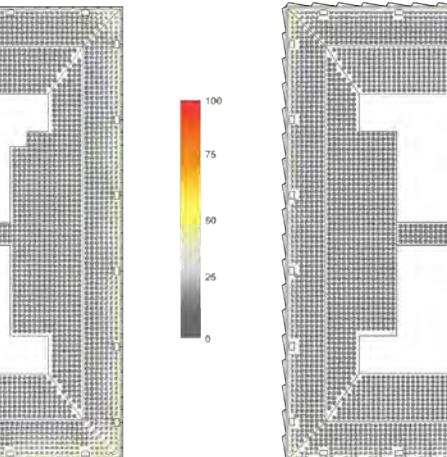
### BASE MODEL



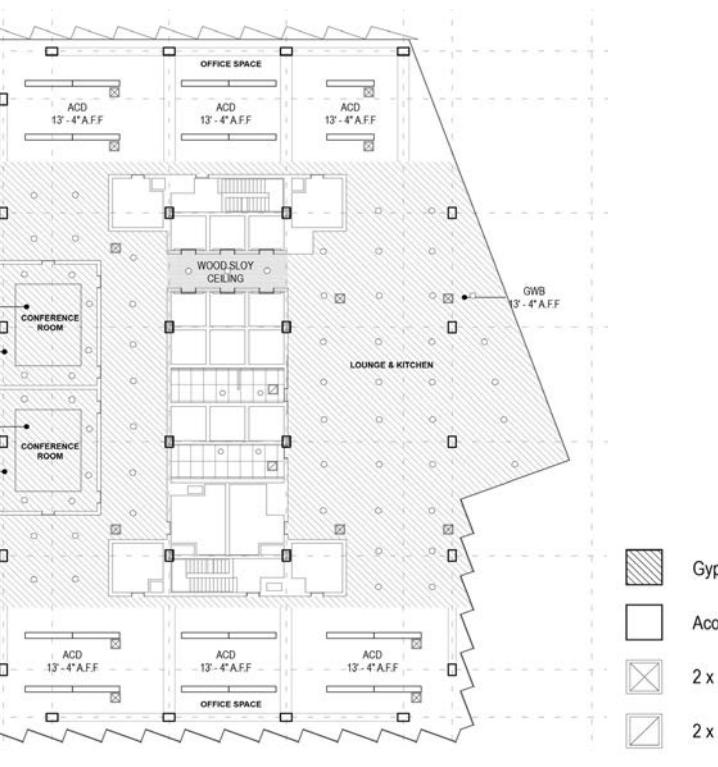
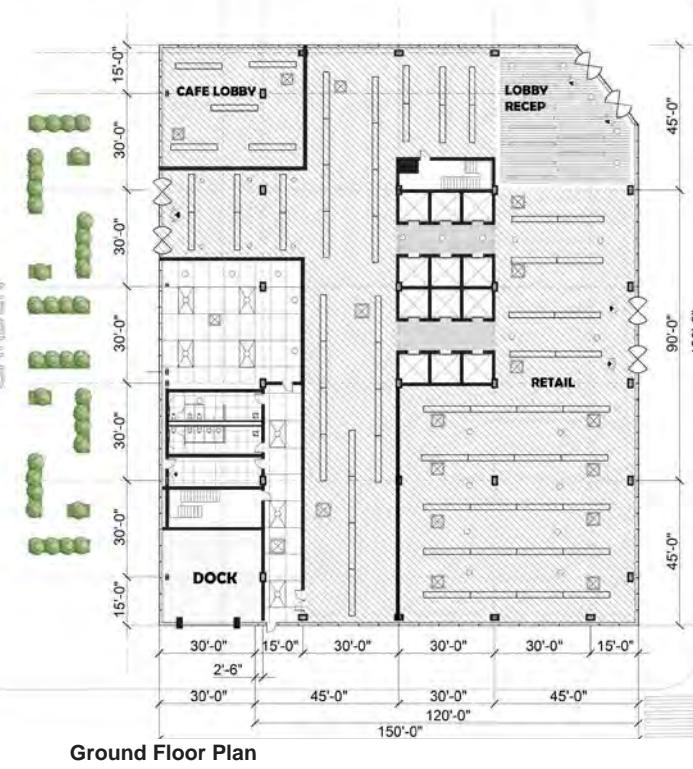
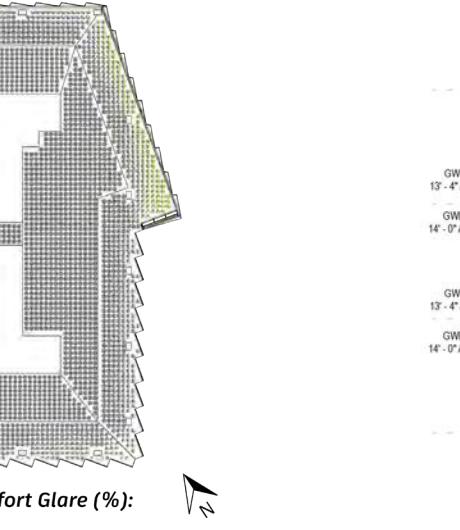
### PROPOSED MODEL

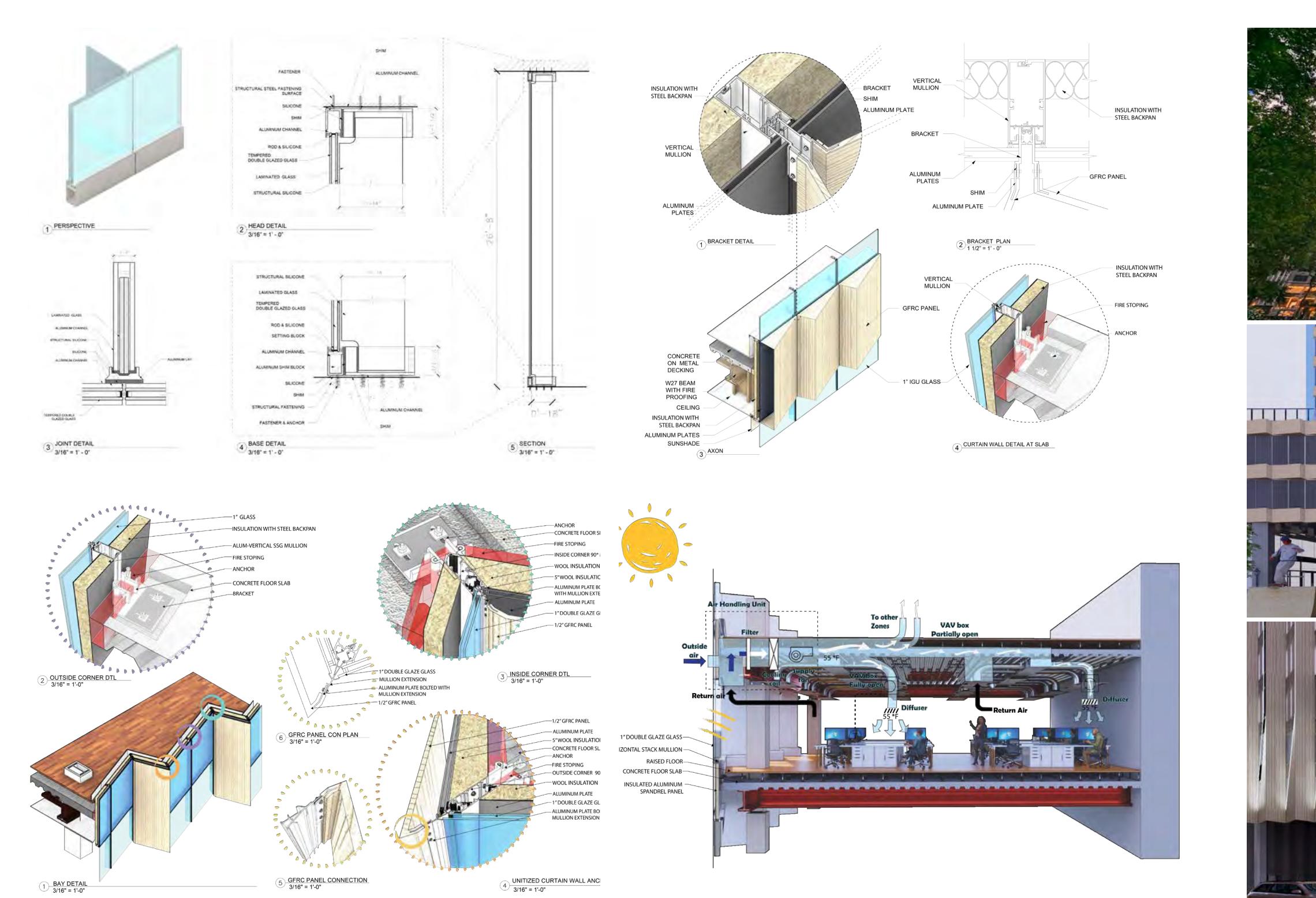


### BASE MODEL



### PROPOSED MODEL





## SITE ANALYSIS



### HISTORY

1645  
The first settlers (Dutch & English Men) arrived in this region around this settlement.

1788  
The Lawrence family was given the 900 acres that make up College Point by Governor Kieft.

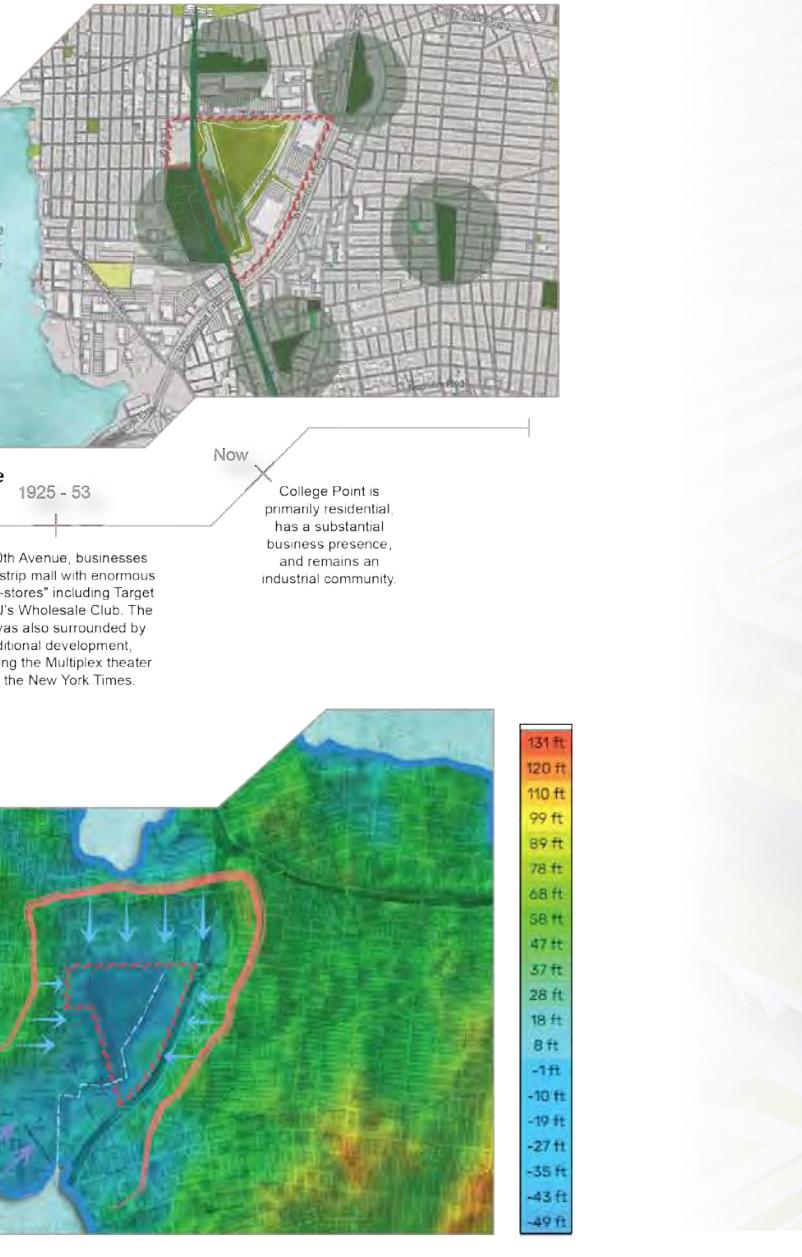
1838  
St. Paul's College, which was established near College Point, gave the area its name.

1850  
(College Point College closed)  
Up until the middle of the 1850s, College Point was mostly a farming community. When Conrad Poppenhusen arrived in the area, it quickly became industrialized.

1861 - 65  
Numerous immigrants were attracted to the region by the demand for skilled employees, which further sped up College Point's development.

1925 - 53  
Flushing Airport opened. Residential construction began to increase. There were 100 single-family and two-family homes constructed.

1925 - 53  
On 20th Avenue, businesses built a strip mall with enormous "mega-stores" including Target and BJ's Wholesale Club. The site was also surrounded by additional development, including the Multiplex theater and the New York Times.

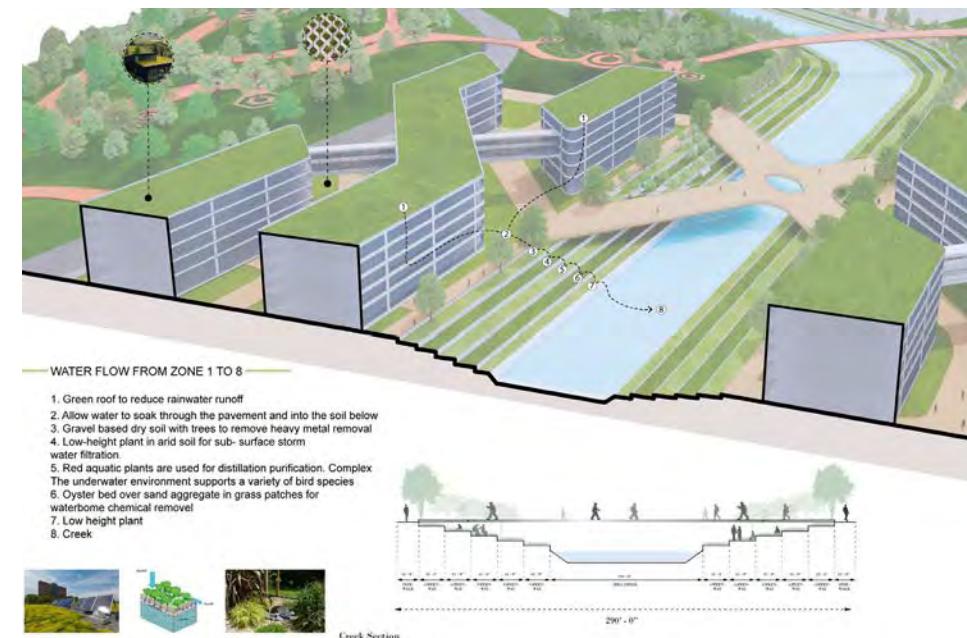
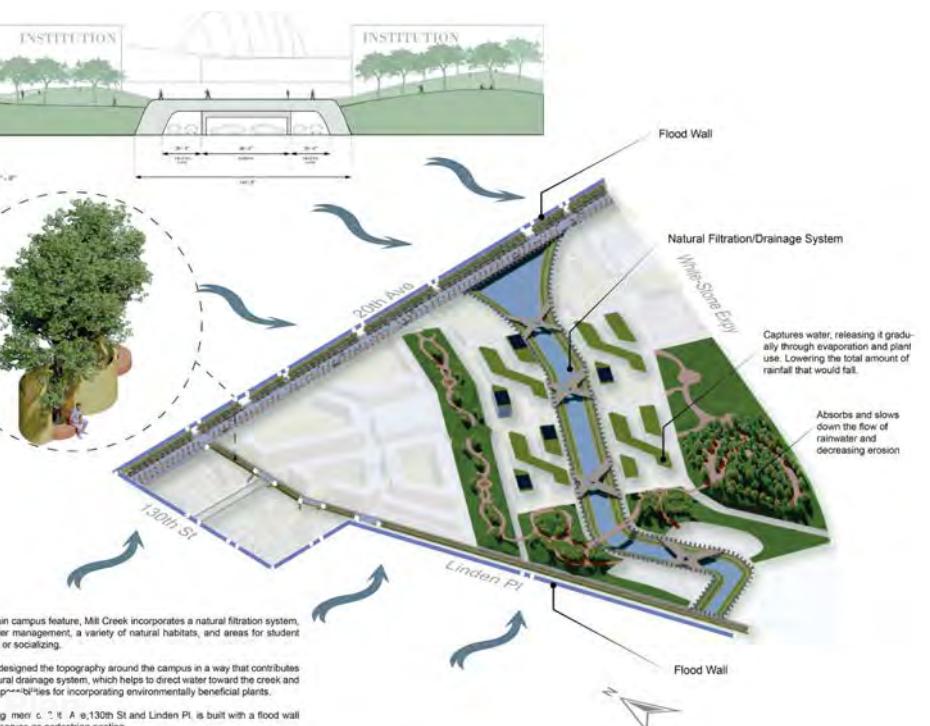


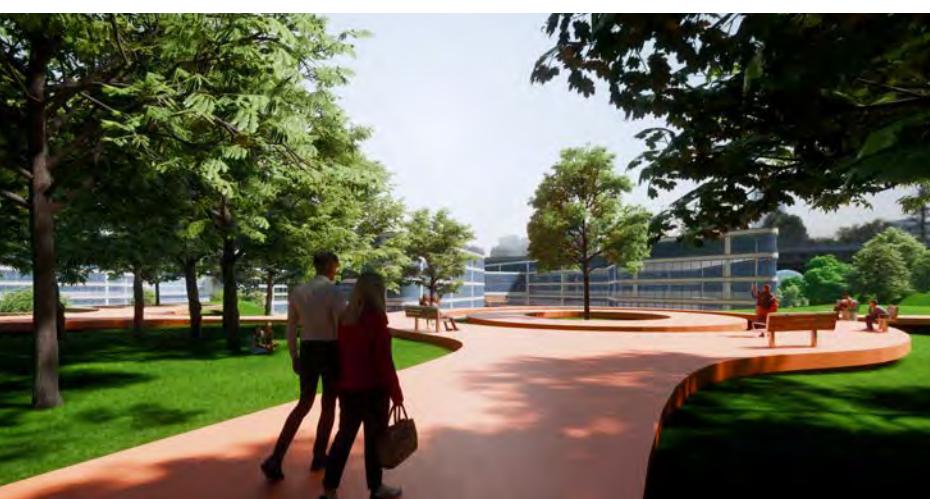
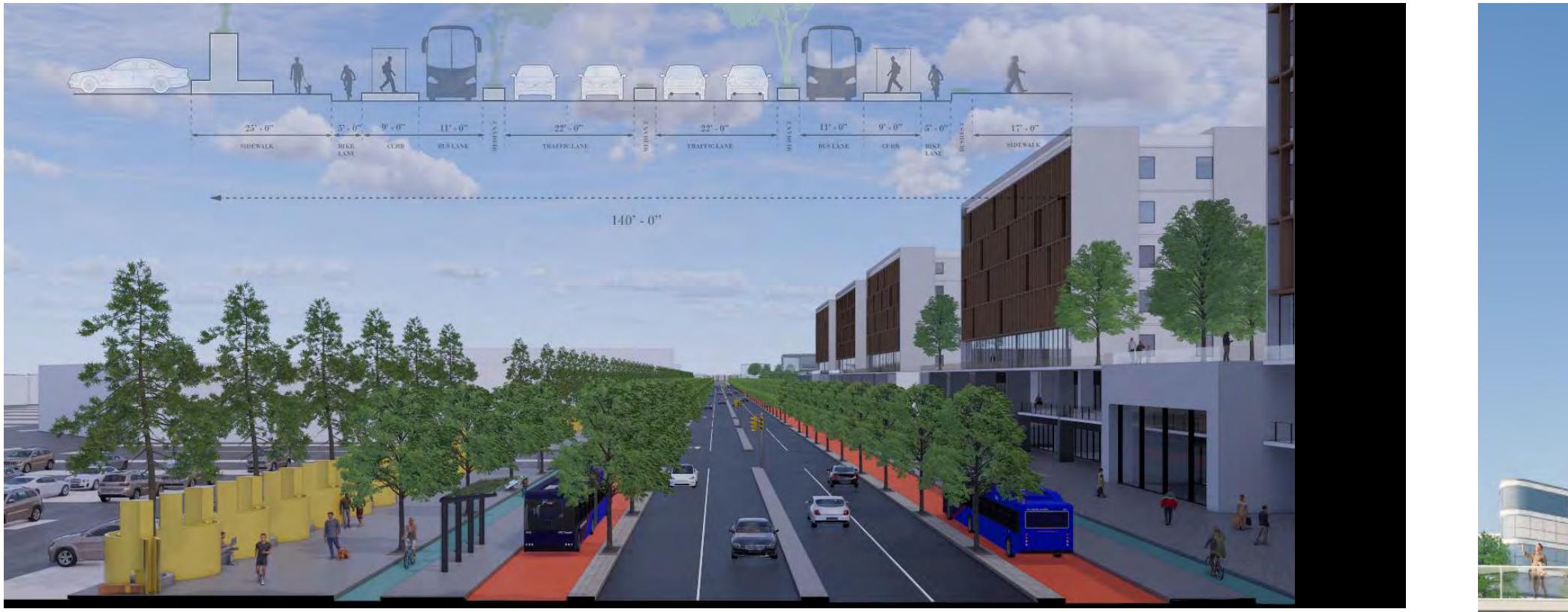
This was an adaptive reuse project based on Flushing Airport in Queens, New York. Our proposal was centered on integrating three distinct lines, one green, one commercial, and one institutional, with the existing setting and design we were developing. While also considering flood mitigation and sustainable strategies.

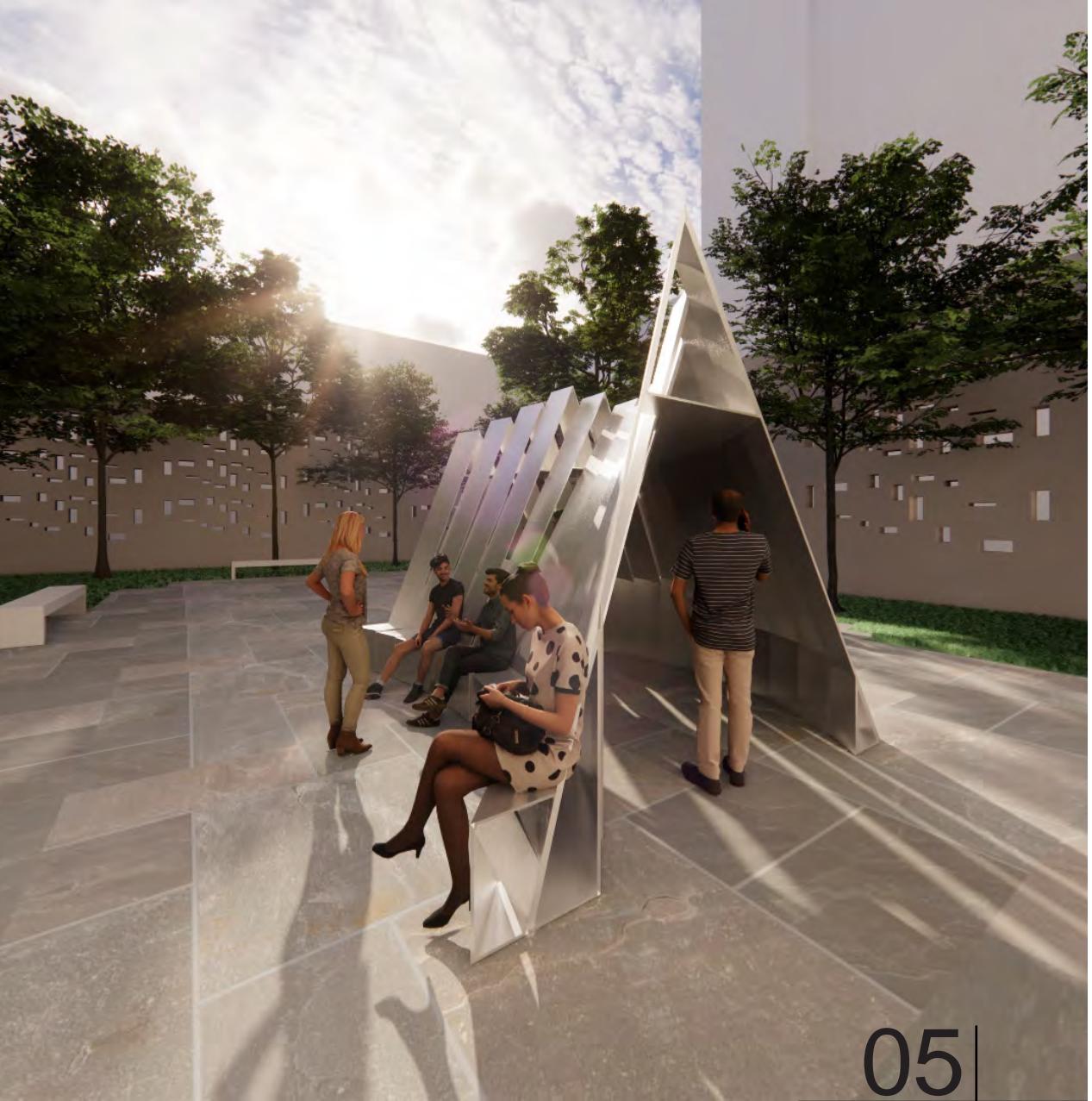
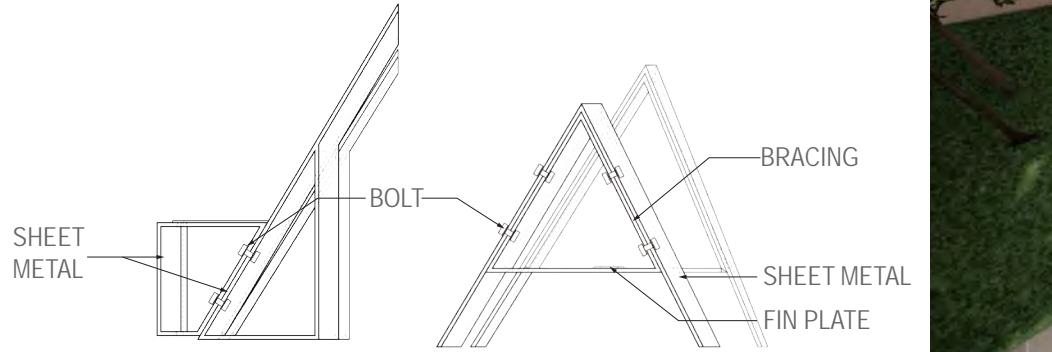
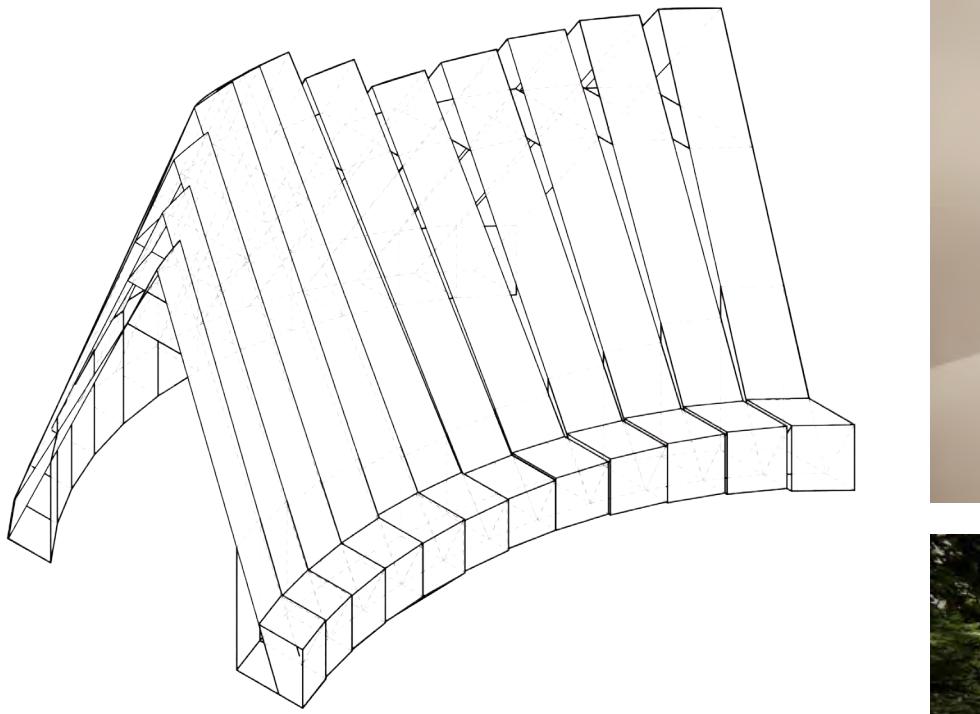
**FLUSHING AIRPORT**  
Location: New York State Pavilion, Queens, NY  
Group Project

## MASTER PLAN

- 1 Creek
- 2 Bridge
- 3 Technology Building
- 4 Medical Arts
- 5 Science Building
- 6 Main Lab building
- 7 Visitor's Center
- 8 Open parking and EV Charging
- 9 GYM
- 10 Library
- 11 Admission office
- 12 Music rehearsal Building
- 13 Main music hall
- 14 Commercial use
- 15 Commercial Parking
- 16 Commercial Building
- 17 Flood Wall
- 18 Mixed Use
- 19 Residential
- 20 Bus line
- 21 Green steps along the creek
- 22 paths
- 23 Dining Hub







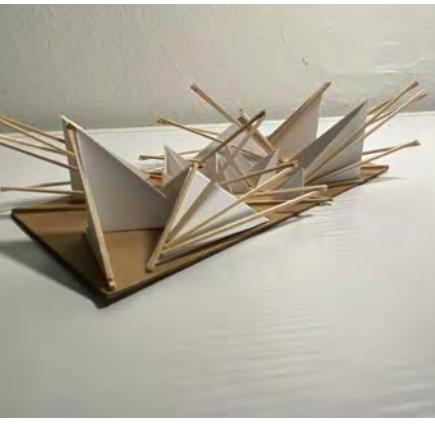
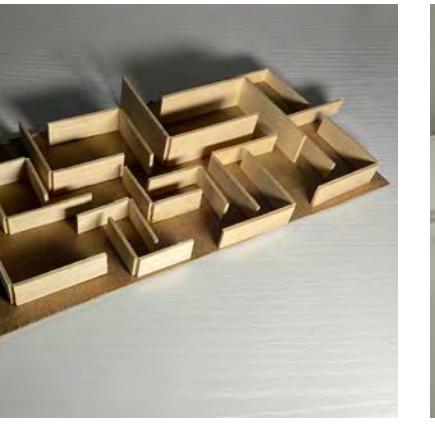
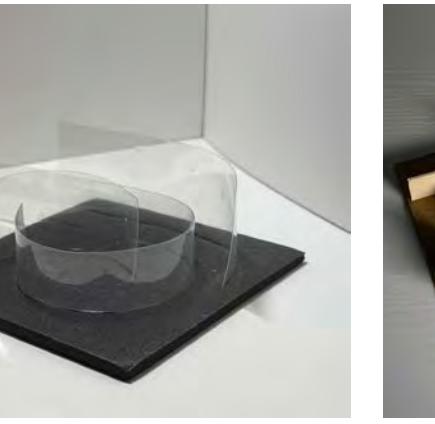
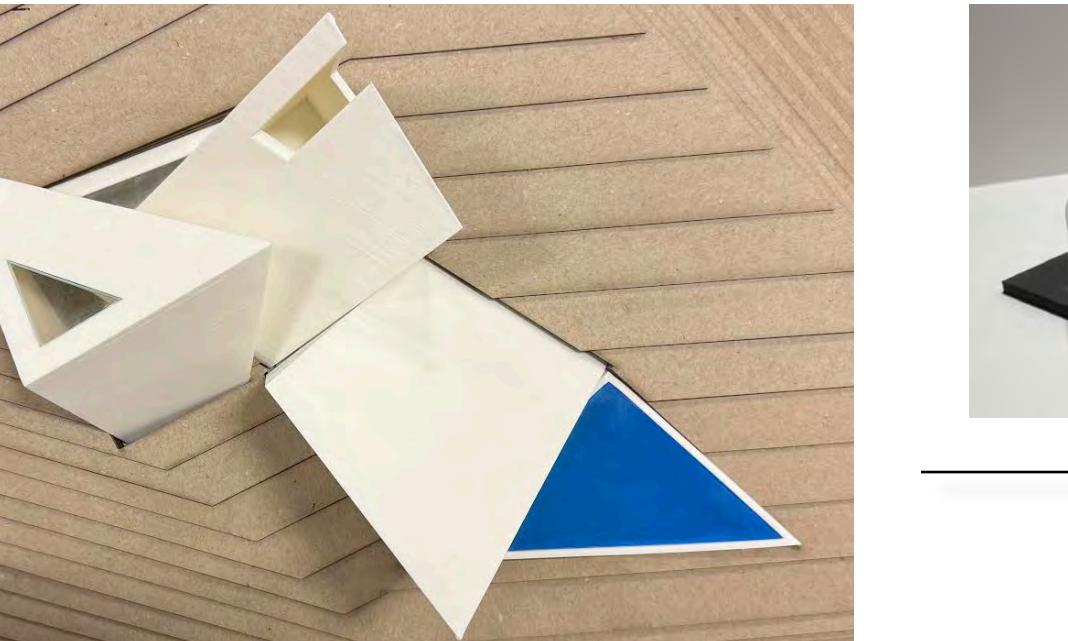
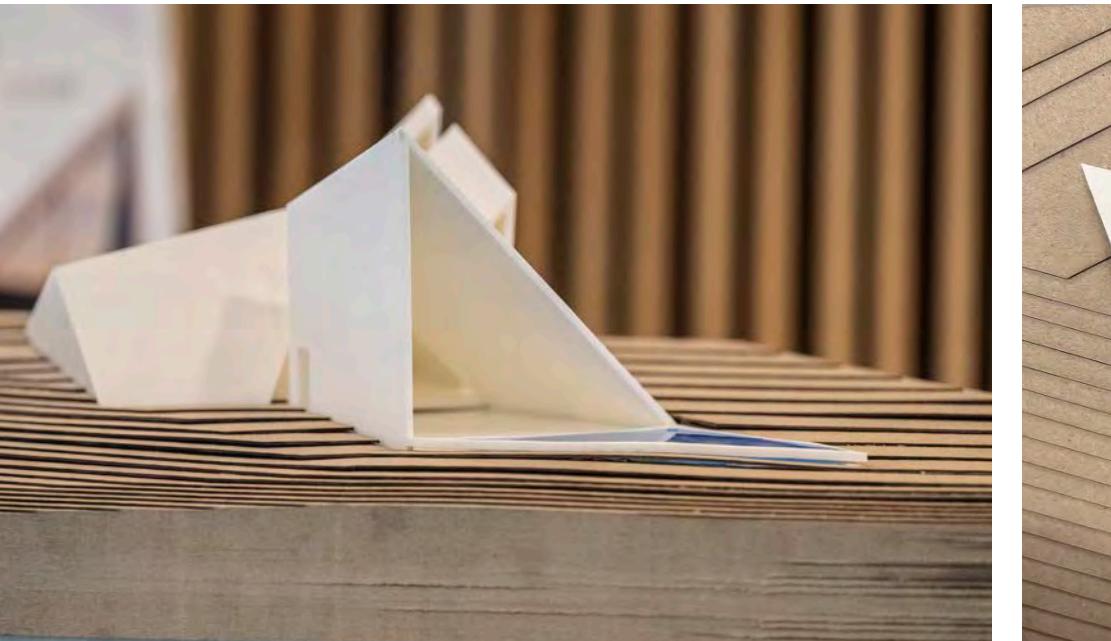
05

Fabrication

## PASSAGE PAVILION

This design aims to create a walkway with benches. When designing this project, I aimed to create an experience that allowed for both mobility and immobility. It was necessary to include a corridor into a simple seating area for this reason. The pavilion offers chairs for relaxation and a 14-foot pathway that casts interesting shadows.

# PHYSICAL MODELS



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