

ANDREW

RESTREPO

1

LIHM
ART MUSEUM

LONG ISLAND HISTORY MUSEUM IS AN ECO-FRIENDLY, INDUSTRIALLY DESIGNED SPACE FOSTERING COMMUNITY ENGAGEMENT AND CREATIVE EXPLORATION THROUGH DIVERSE EXHIBITS AND WORKSHOPS.

2

CONTRAST COMPLEX
RETAIL - APARTMENTS

A TRANSIT ORIENTED DEVELOPMENT DESIGNED AROUND THE CONSTRAINTS OF LOCAL AND NATIONAL BUILDING CODES.

3

CONTEXTUAL FIT
SMITH HOUSE ADDITION

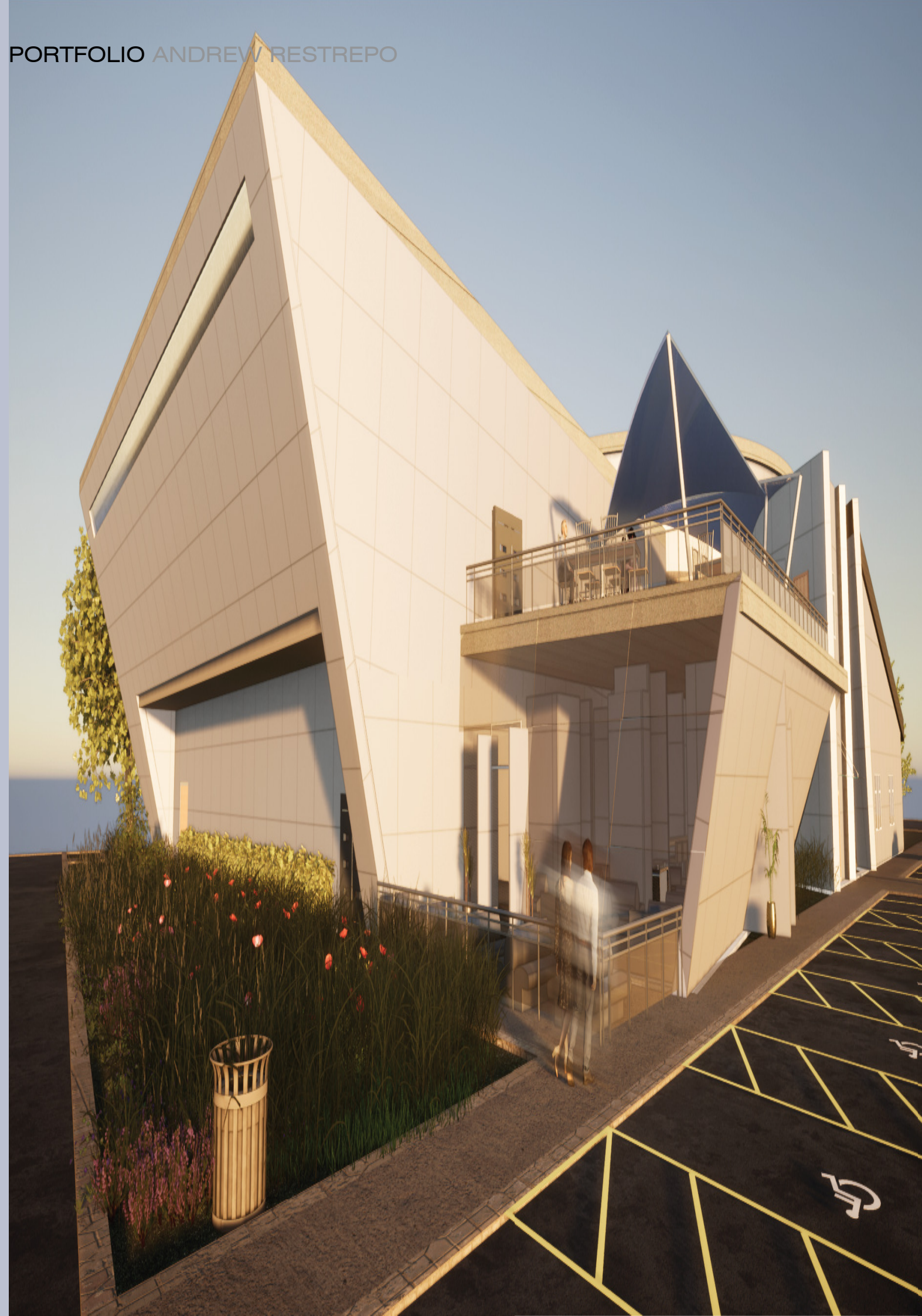
THIS PROJECT TAKES INTO CONSIDERATION EXISTING ELEMENTS FROM FAMOUS ARCHITECT RICHARD MEIER AND IMPLEMENTS THEM INTO AN ADDITION FOCUSING AROUND A CONCEPTUAL PARTI.

4

LIGHT
ORGANIC LIGHT CHAPEL

ALL GOOD ARCHITECTS CAN DESIGN.. BUT ALL GREAT ARCHITECTS MANIPULATE LIGHT.

WITH THE HELP OF CURVES AND OPENINGS THIS PROJECT CAME TO FRUITION ON AN EXISTING CAMPUS.



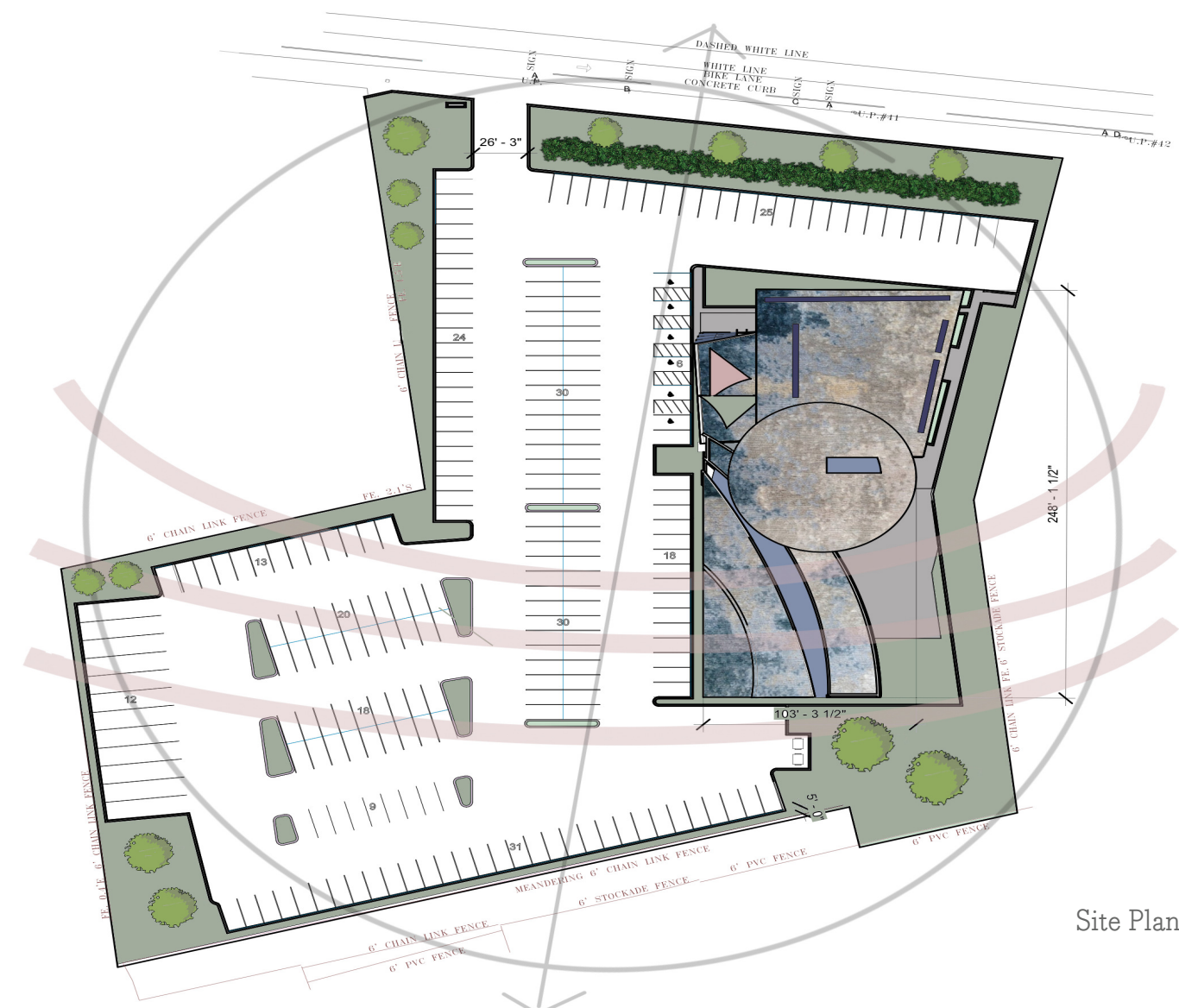
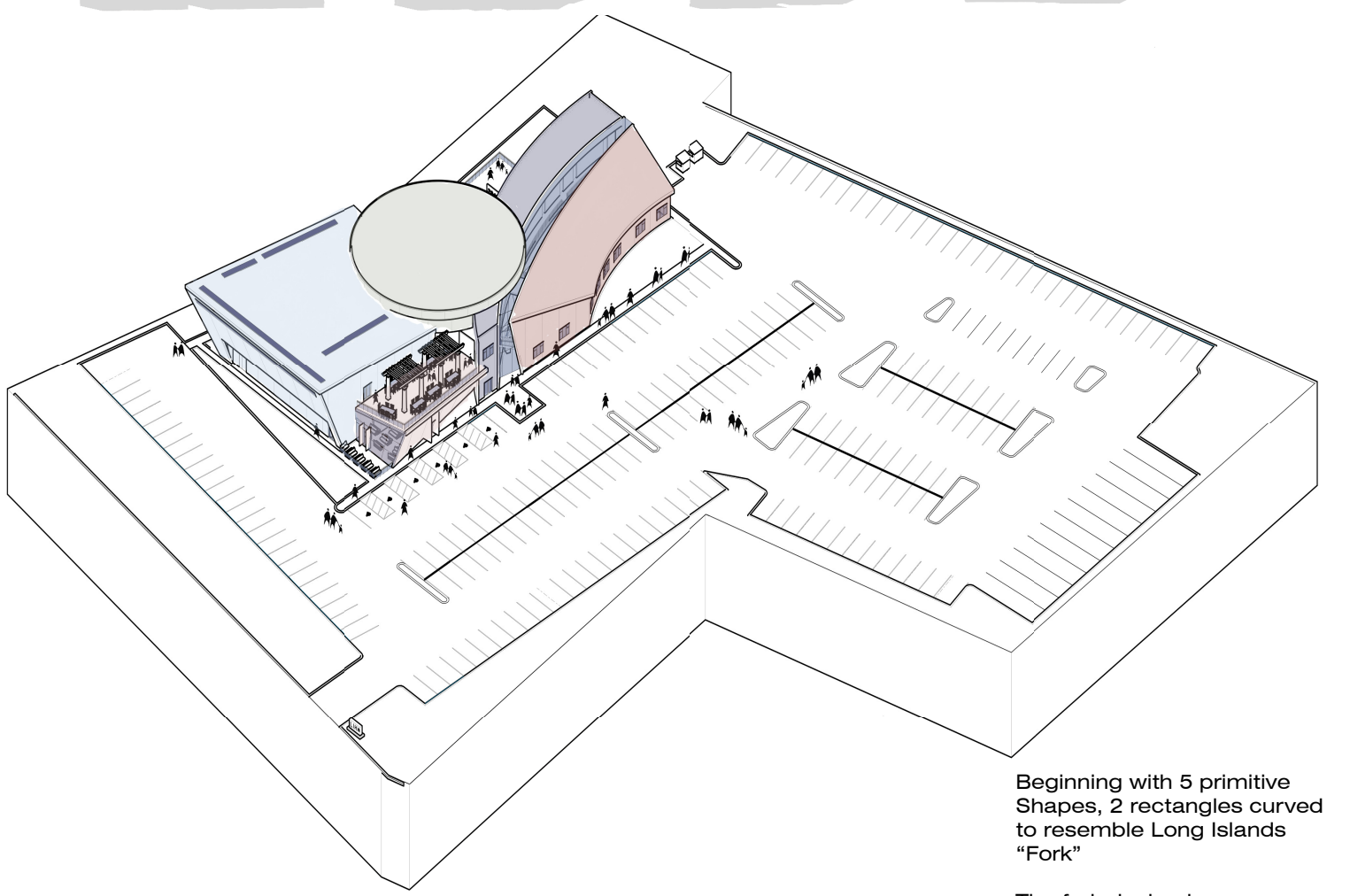
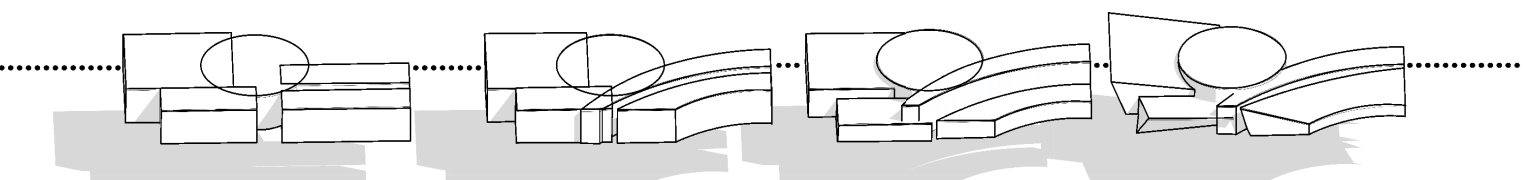
2023
DESIGN IV
FSC

SOFTWARES USED
REVIT
ADOBE
TWINMOTION

LONG ISLAND HISTORY MUSEUM

ART MUSEUM + CAFE

Located at 3040 Veterans Memorial Highway in Bohemia, NY, This location stands as a haven for priceless objects, artifacts, sculptures, and artworks within the LIHM. Its exterior, adorned with eco-friendly ACM panels, presents an industrial facade housing galleries and storage spaces. Adding to the immersive experience is a contemporary cafe seamlessly integrated into the architectural design. This project aims to breathe new life into the area and foster public engagement. Serving as the Long Island History Museum, the facility offers diverse space designs for exhibits, workshops, classrooms, and various creative endeavors. The exhibit spaces are meticulously designed to showcase Long Island's history and highlight local art. Simultaneously, the inclusion of classrooms and other innovative programs is geared towards fostering productivity, enhancing mental well-being, providing educational opportunities, and fostering a sense of community among the public who utilize these spaces.



Site Plan

Beginning with 5 primitive Shapes, 2 rectangles curved to resemble Long Islands "Fork"

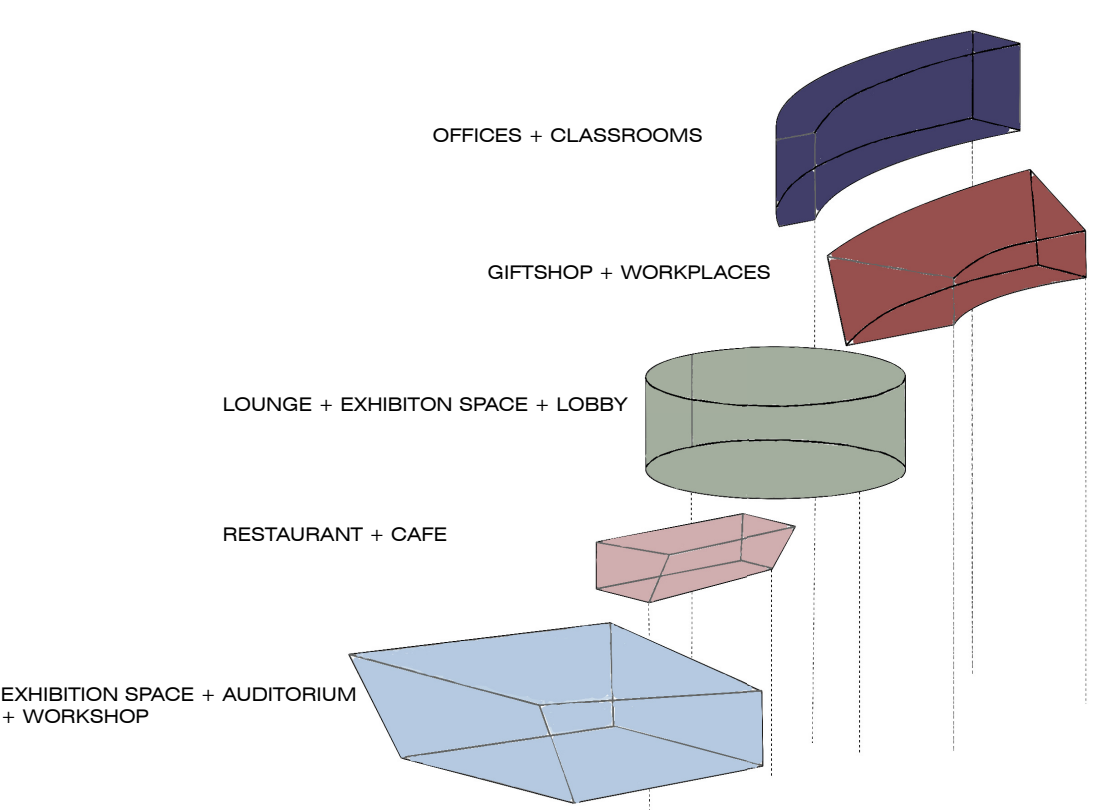
The fork design becomes a iconic landmark contributing with the identity of LI and helps become a hub for preservation, innovation and sustainability.

The circle in the middle helps with circulation, connecting with different areas seamlessly, creating a more fluid, harmonious spatial experience and enhancing the overall aesthetic of the building.

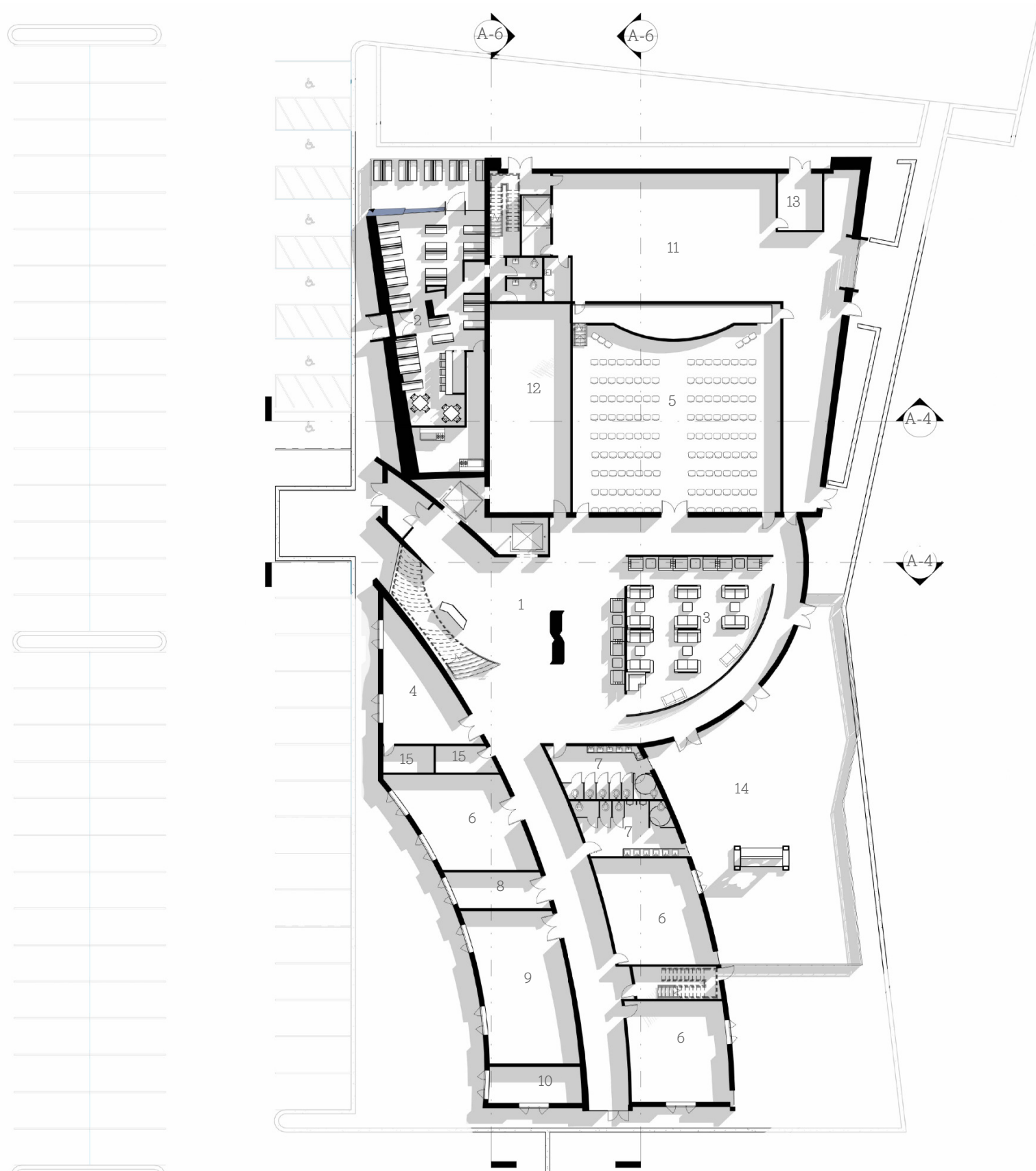
The 2 square shapes were incorporated are slanted and sloped which introduces a sense of movement and dynamism to the appearance, creating a visually interesting and dynamic facade. The slanted walls and sloped roof creates an interesting shadow throughout the gallery space by orientating the skylights away from specific areas that is directly exposed from the sunrays, protecting the galleries artwork and sculptures.



Lobby

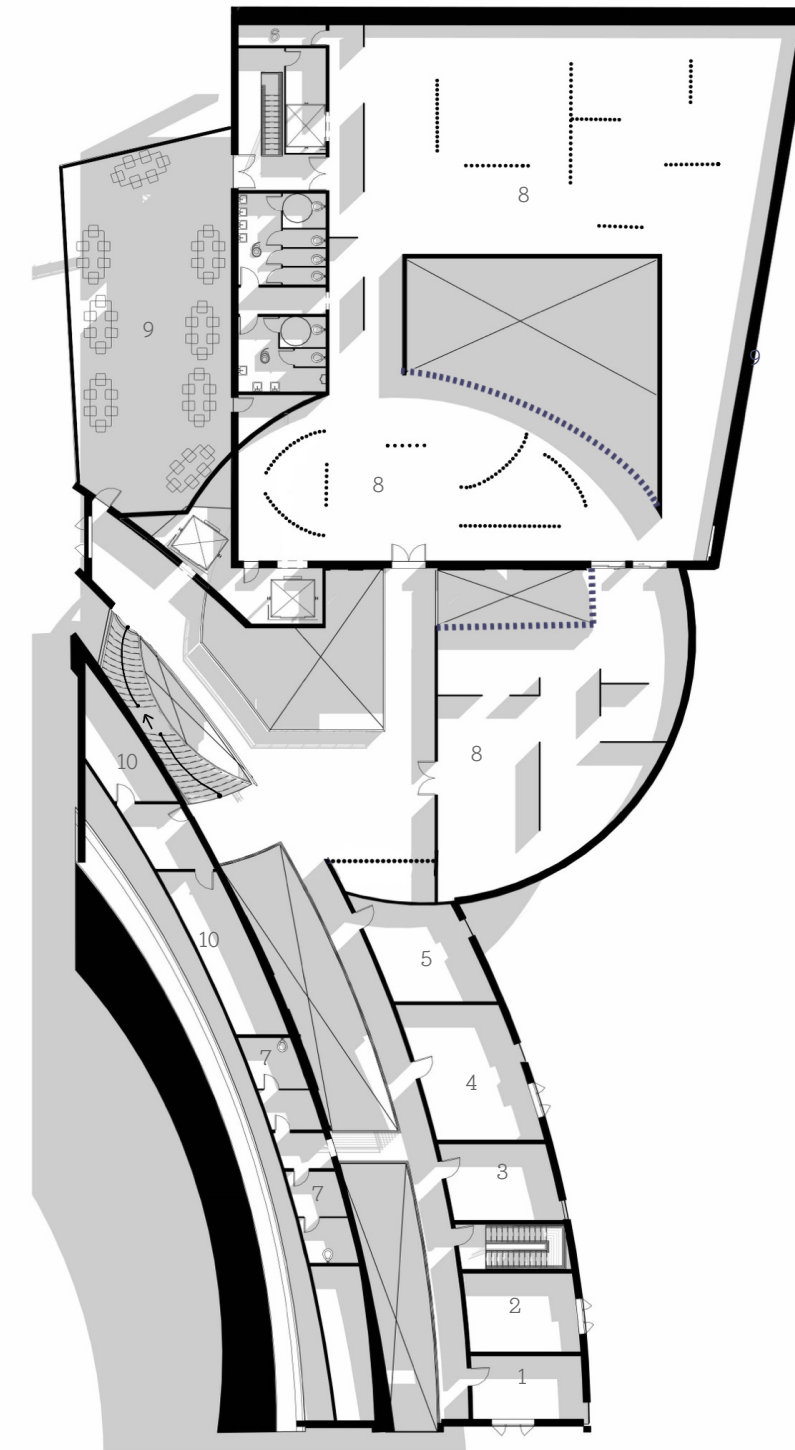


PORTFOLIO ANDREW RESTREPO



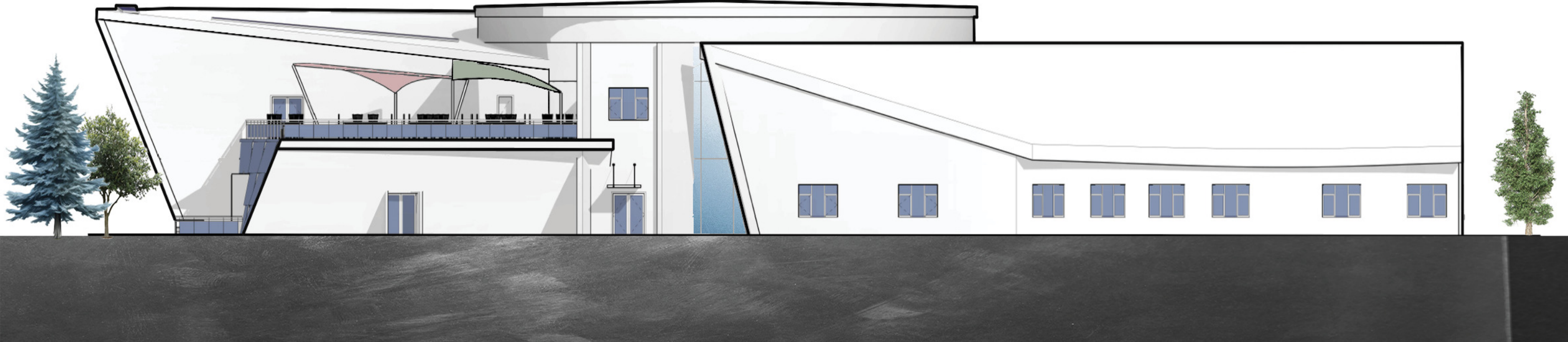
Ground Floor

- | | | | | | |
|-----|--|----------|-----|-----------------------|----------|
| 1. | PUBLIC SPACES (LOBBY, TICKET SALES, INFORMATION) | 4299SQFT | 13. | LANDSCAPING ROOM | 148SQFT |
| 2. | RESTAURANT | 1514SQFT | 14. | OUTDOOR EXHIBIT SPACE | 2080SQFT |
| 3. | LOUNGE | 1068SQFT | 15. | STORAGE | 200SQFT |
| 4. | SALES SHOP | 550SQFT | | | |
| 5. | AUDITORIUM | 2512SQFT | | | |
| 6. | CLASSROOMS | 600SQFT | | | |
| 7. | PUBLIC TOILETS | 415SQFT | | | |
| 8. | PRIVATE LIBRARY | 200SQFT | | | |
| 9. | STAFF(SECRETARY, BOOKEEPER, CLERK TYPIST, PUBLICITY) | 800SQFT | | | |
| 10. | EMPLOYEE LOCKERS | 200SQFT | | | |
| 11. | WORKSHOP | 2602SQFT | | | |
| 12. | MECHROOM | 990SQFT | | | |



Floor 2

- | | | |
|-----|---------------------------|----------|
| 1. | CURATOR OFFICE | 200SQFT |
| 2. | ASSISTANT DIRECTOR OFFICE | 243SQFT |
| 3. | EMPLOYEE LOUNGE | 240SQFT |
| 4. | DIRECTOR OFFICE | 400SQFT |
| 5. | RECEPTION | 284SQFT |
| 6. | PRIVATE TOILETS | 260SQFT |
| 7. | EMPLOYEE TOILETS | 400SQFT |
| 8. | EXHIBIT | 7367SQFT |
| 9. | OUTDOOR RESTAURANT | 1620SQFT |
| 10. | STORAGE | |



FRONT ELEVATION



SECTION



2023
DESIGN III
FSC

SOFTWARES USED
REVIT
ADOBE
TWINMOTION



CONTRAST COMPLEX

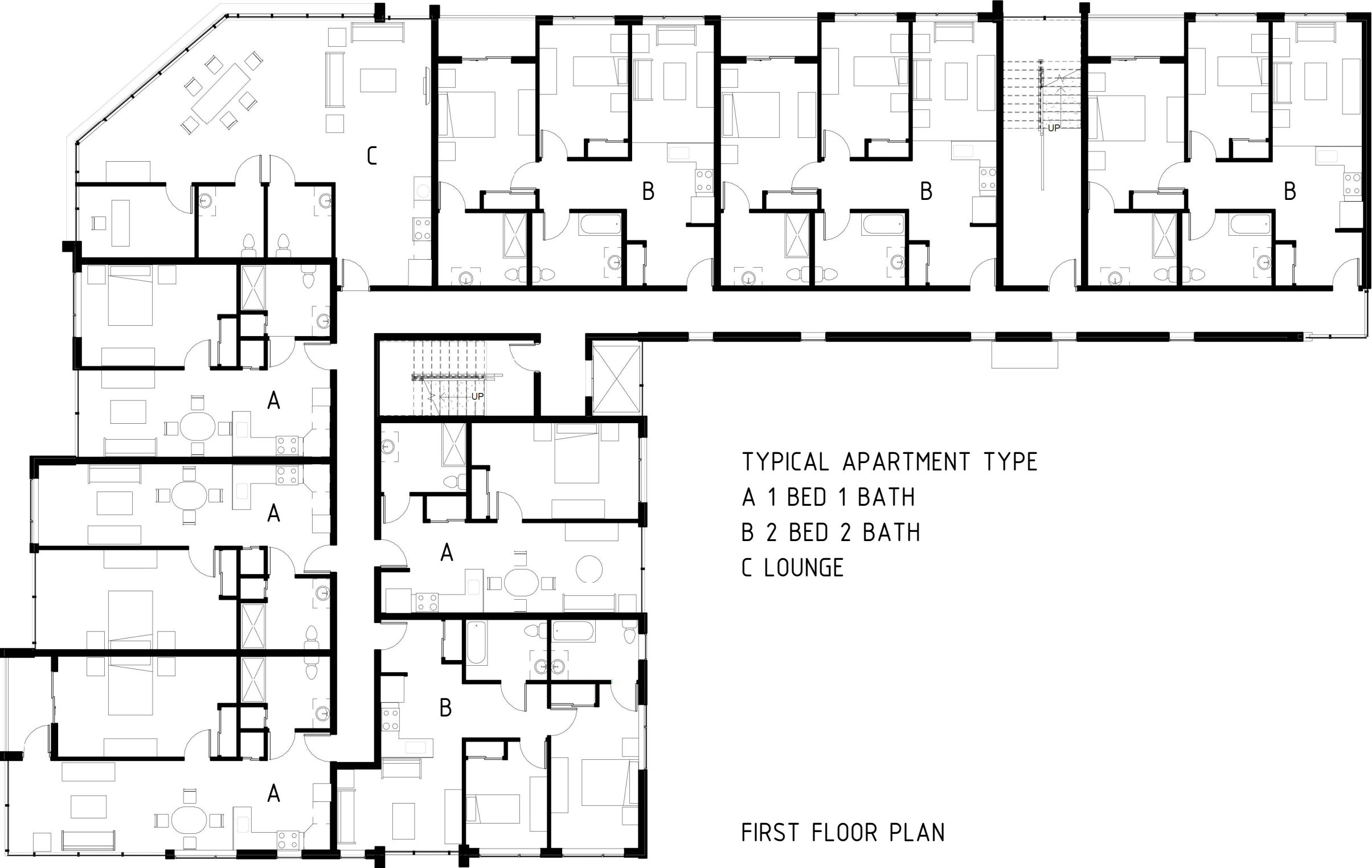
RETAIL - APARTMENTS

A developer who specializes in Transit Oriented, Multi-family Residential Development has retained us to provide design services in regard to an Apartment complex that they wish to construct on an approximately 1.12 acre site in Central Islip, New York that aligns with New York State building code. The 17 total units in the Design Criteria include nine 1 bed/ 1 bath units and eight 2 bed/ 2 bath units. Additionally planned were four retail lots which was requested to be a laundry, lobby, community room, mechanical, storage, refuse, and janitor rooms. The objective of the site and the units of the building were requested to comply with ADA and take into consideration New York State Building Code and the local code which we were granted a relaxation for the limited parking spots.



“Contrast Complex” located at what would develop into downtown Central Islip reflects a clear influence from the U.S Federal Court designed by the architect Richard Meier. The exterior facade, predominantly adorned in a pristine white, portrays a sense of purity and timelessness, paying homage to Meier’s iconic use of this color. Its design incorporates precise geometric shapes and varying heights, resulting in a visually dynamic composition that stands out amidst the urban landscape. Large, floor-to-ceiling windows flood the interior spaces with abundant natural light, blurring the lines between the inside and outside, much like Meier’s emphasis on transparency. The building’s overall aesthetic embraces minimalism, showcasing a clean and uncluttered design that emphasizes functionality and a reduction of unnecessary ornamentation. Incorporating Meier’s principles into a dynamic, functional space, this modern multi-use building stands as a testament to the enduring impact of architectural innovation in our evolving urban landscapes







ELEVATION



SECTION





2022
DESIGN II
FSC

SOFTWARES USED
AUTOCAD
ADOBE
LUMION

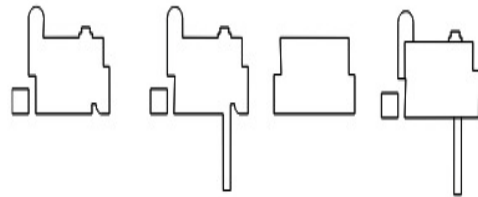
CONTEXTUAL FIT

SMITH HOUSE ADDITION

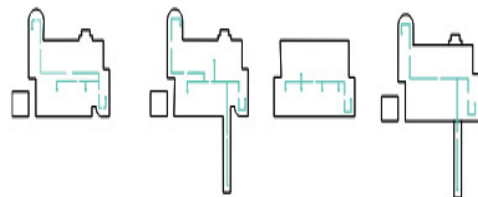
The objective of this project was to meticulously design additions to the existing structure while paying homage to its surroundings. The design process involved a thorough analysis of the original structure's intricate systems and a thoughtful integration of the encompassing landscapes, cultural nuances, and regional identities. The focal point of inspiration was the iconic "Smith House" nestled along the Long Island Sound, a creation by the visionary Richard Meier dating back to 1965. Enclosed within this portfolio is a visual representation that captures the realization of this harmonious convergence.

ORIGINAL FLOOR PLAN ANALYSIS

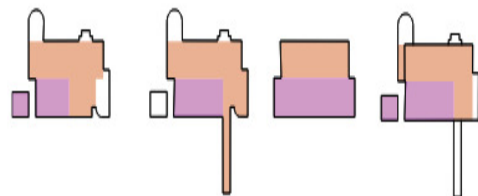
OUTLINE



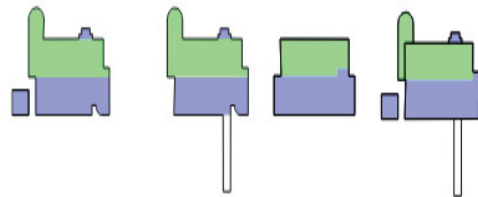
CIRCULATION



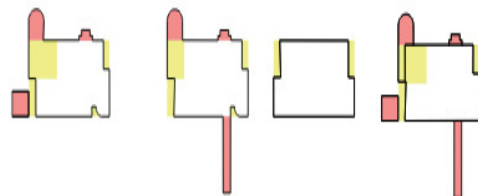
PUBLIC/ PRIVATE



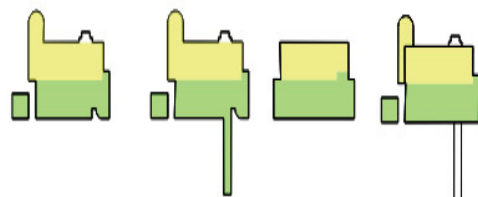
OPEN/ CLOSE



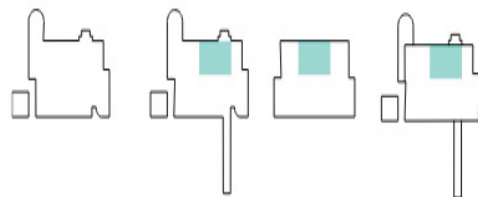
ADDITIVE/ SUBTRACTIVE



MASS/ VOID

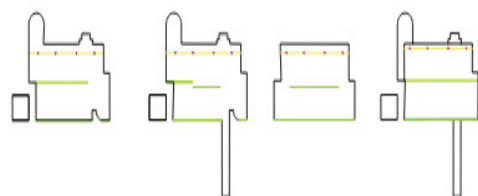


HIERARCHY

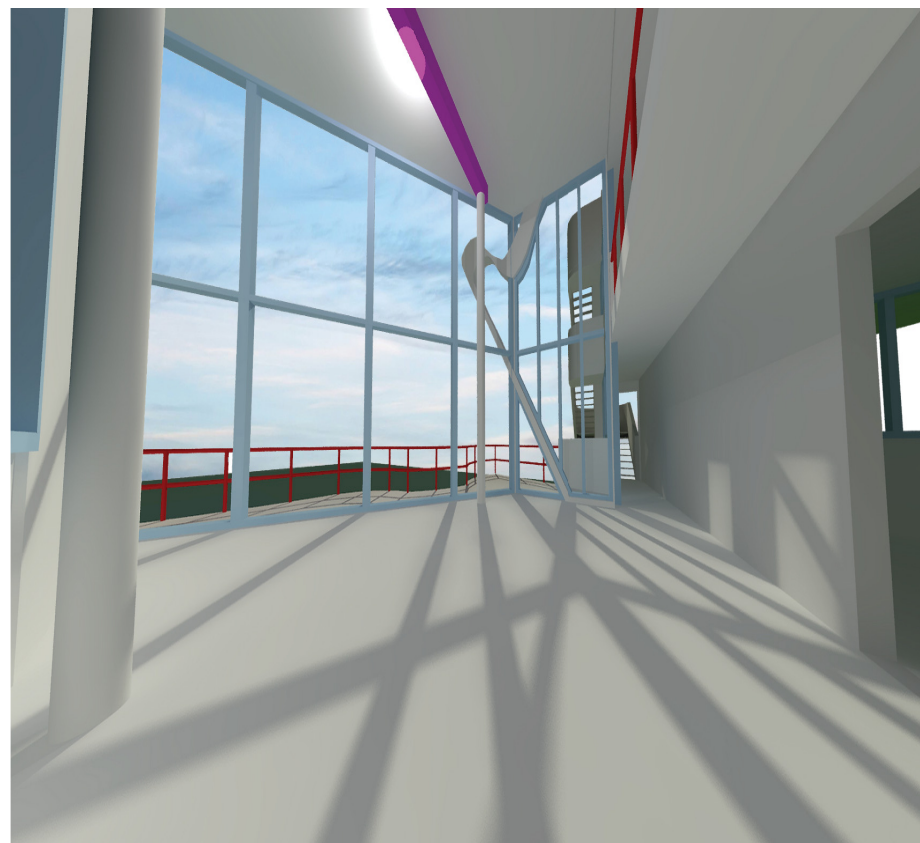


STRUCTURE

GIRDER
BEARING WALL
COLUMN



EXISTING INTERIOR



PROPOSED INTERIOR

Narrative

After years of touring the globe, our particular client happens to be a composer that has recently purchased the Smith house in Connecticut.

She prioritizes large spaces for practicing her art twice a week. She believes that creating more open areas would give a better view of the water, but also she understands just as important public versus private is, loud vs quiet is equally important.

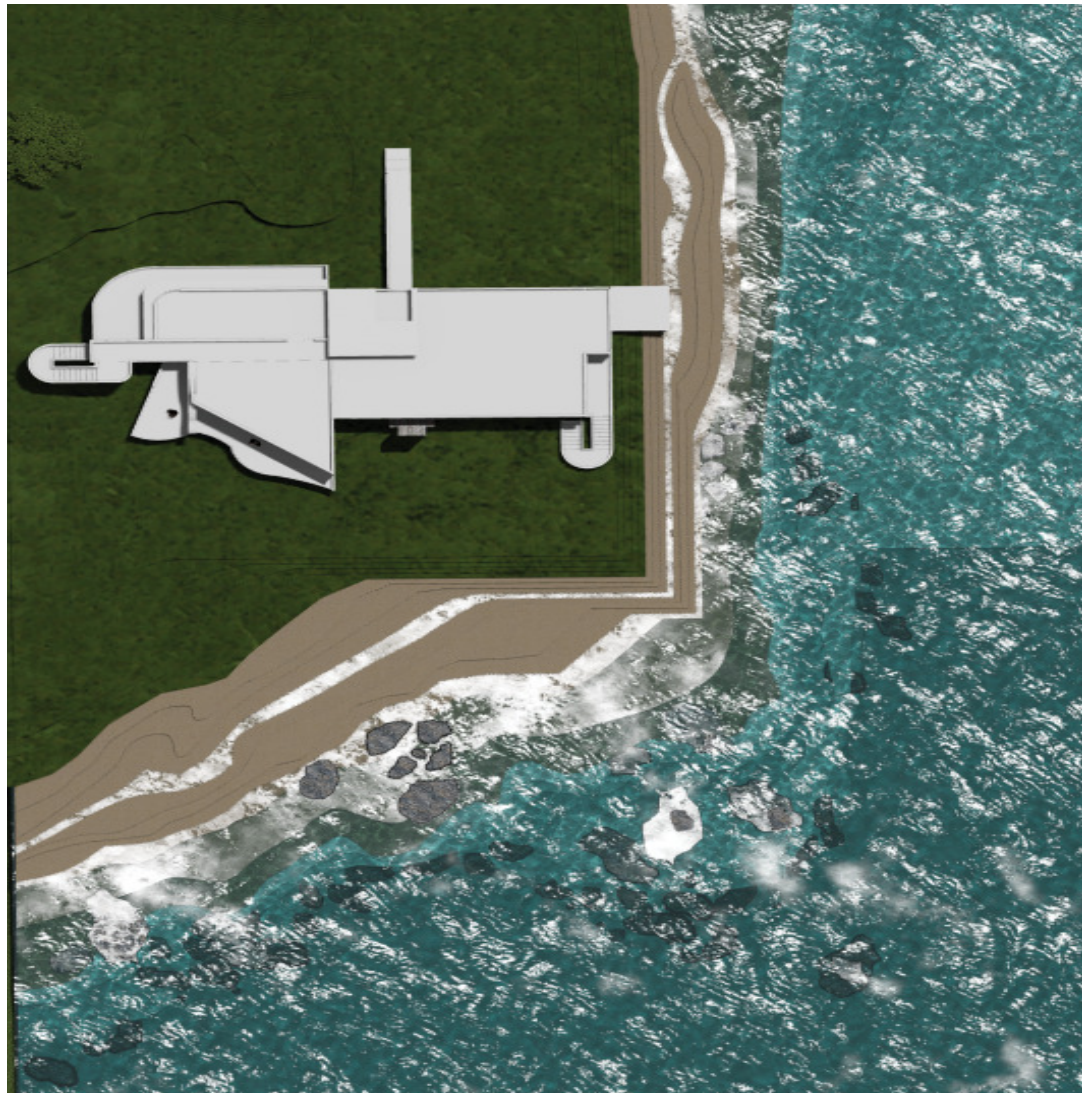
She has also stated she would like for a private studio to be added so she can focus on writing music.

Overall, she would like for the extension to preserve the architectural integrity of the property while adding a new sense of comfort and style.

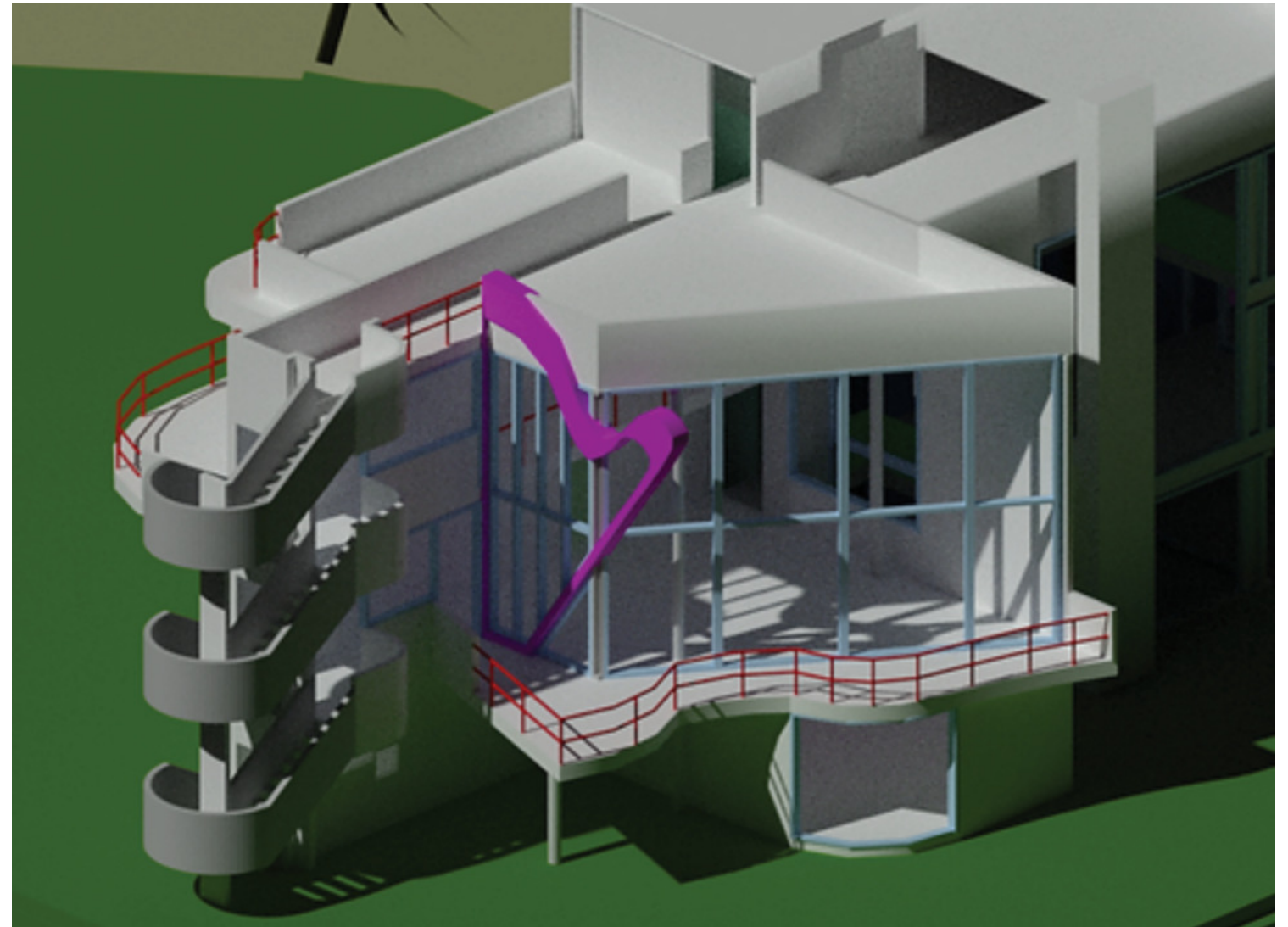
PARTI



The composer sought a symbiotic integration of her daily musical pursuits, particularly the harp, into the architectural extension. The concept aimed to seamlessly incorporate the harp's form and functionality into the building's design, both structurally and aesthetically.

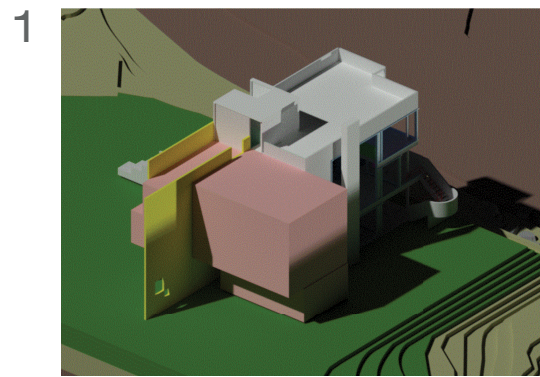


SITE PLAN

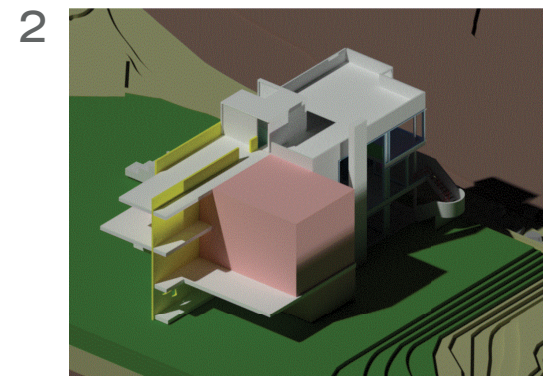


EXTERIOR VIEW

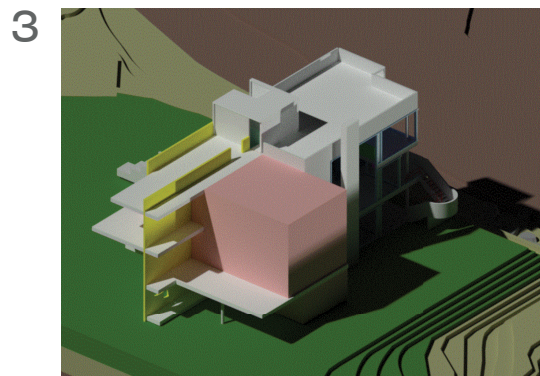
DESIGN PROCESS



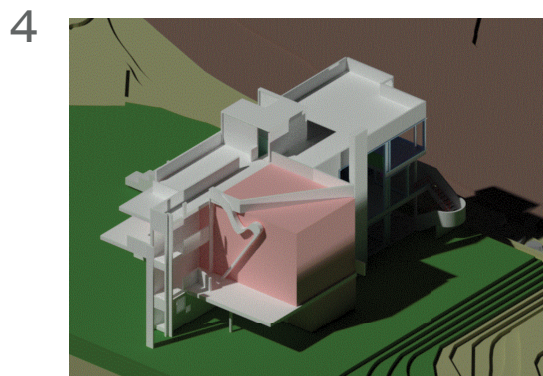
Began the design process by building masses



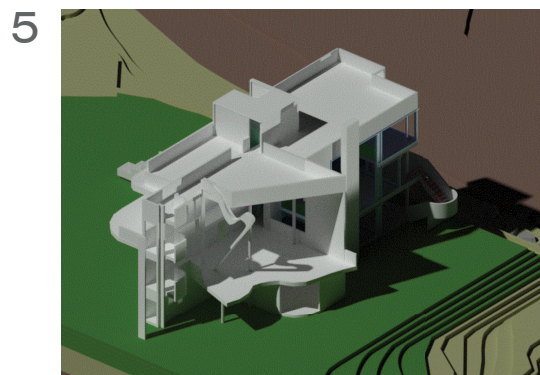
Converting the masses into spaces



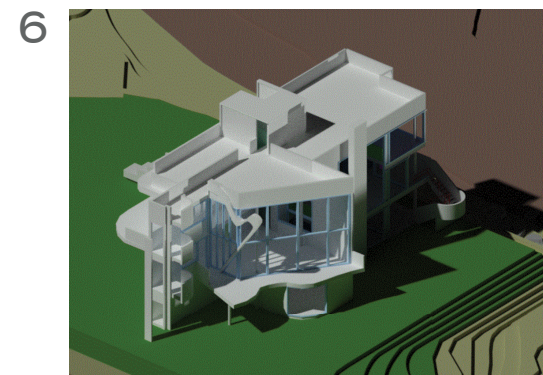
Connecting existing structural grid and columns



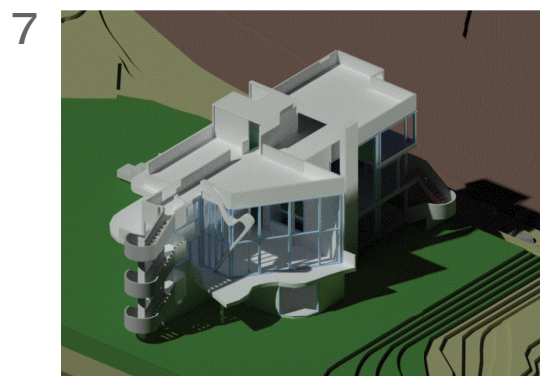
Incorporating the Meta Idea into the project



Curving out the spaces to give the floor layout character



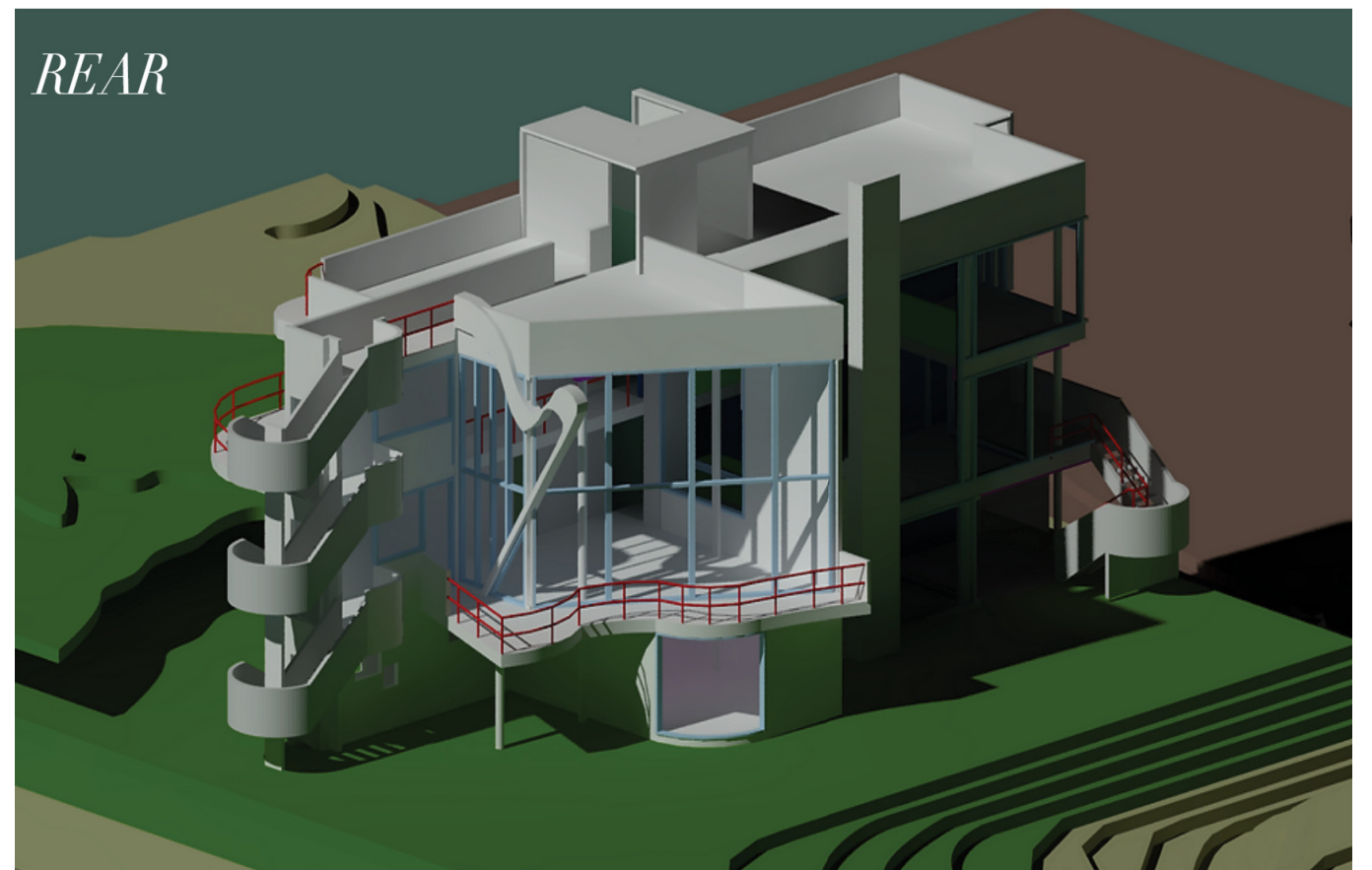
Adding existing window mullions onto new extension



Adding stairs for vertical connection/ circulation

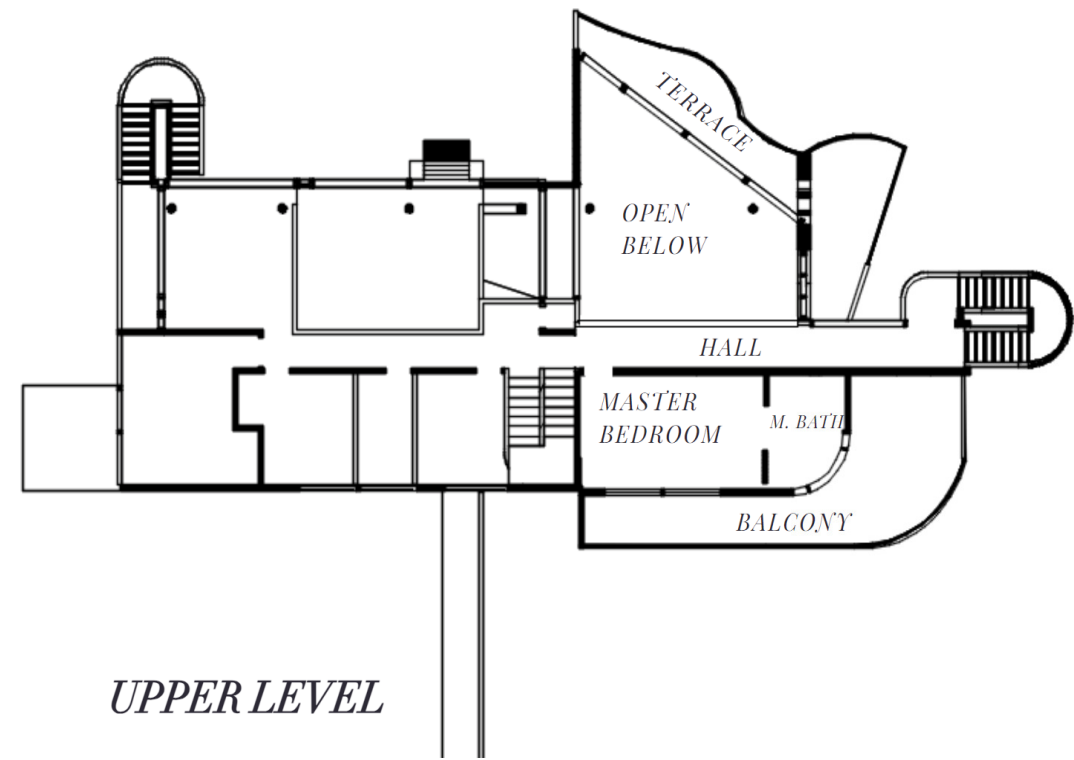
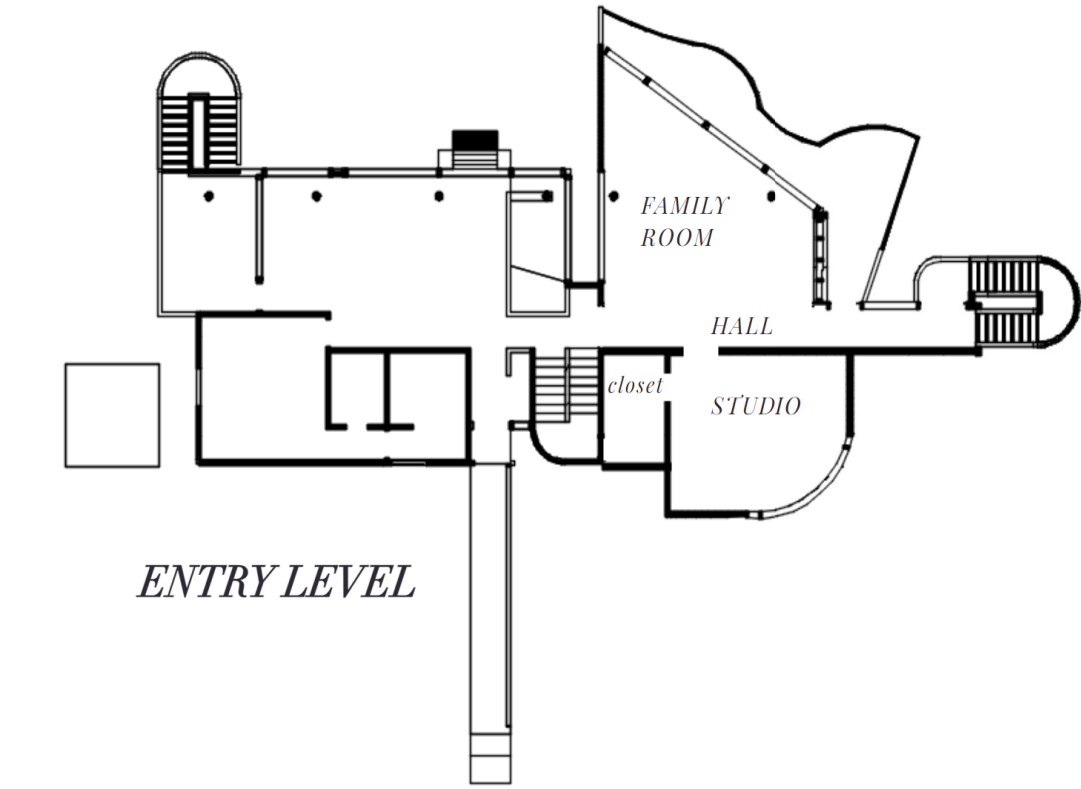


Adding railings to finalize the design



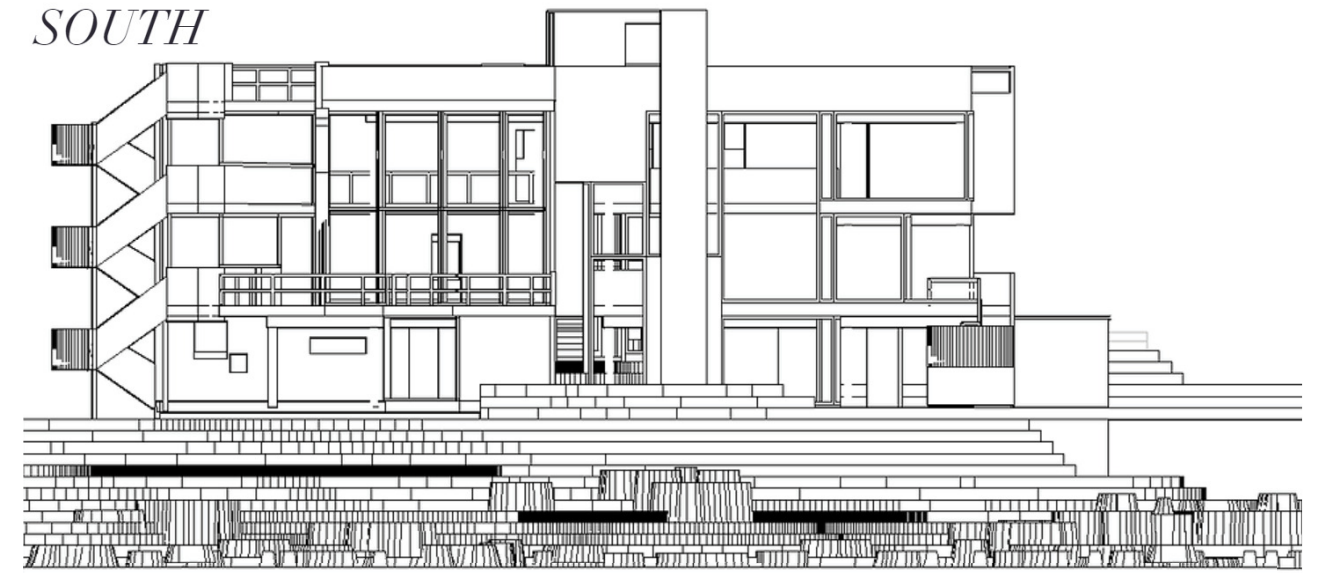
Final Design

PROPOSED FLOOR PLANS

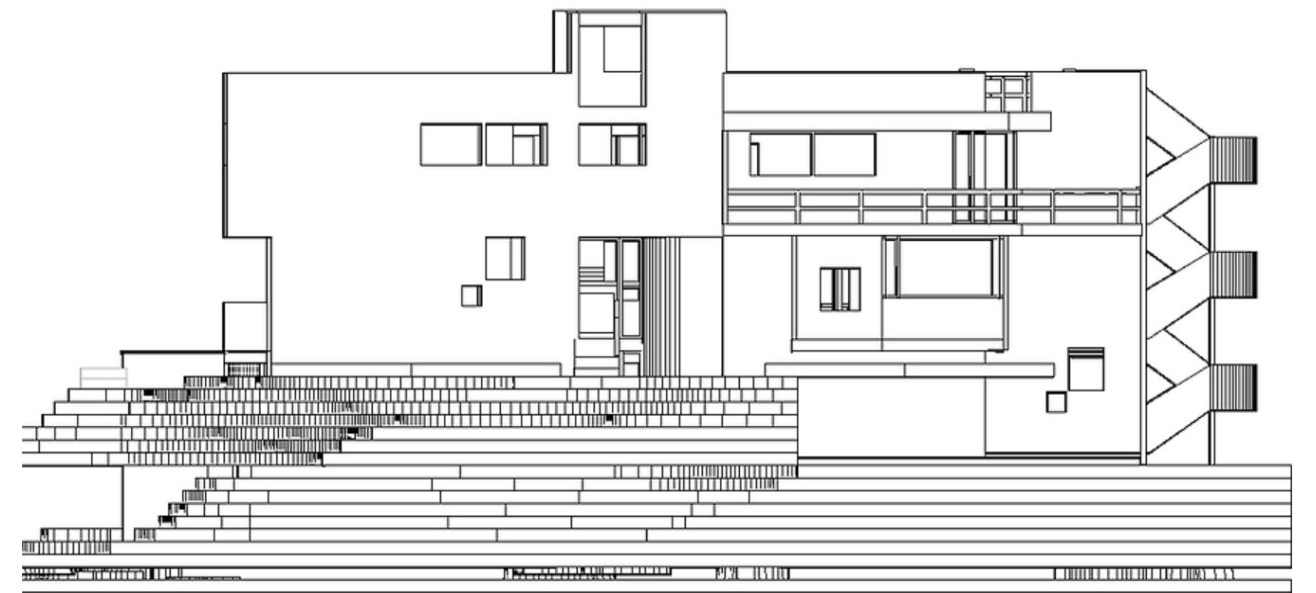


PROPOSED ELEVATIONS

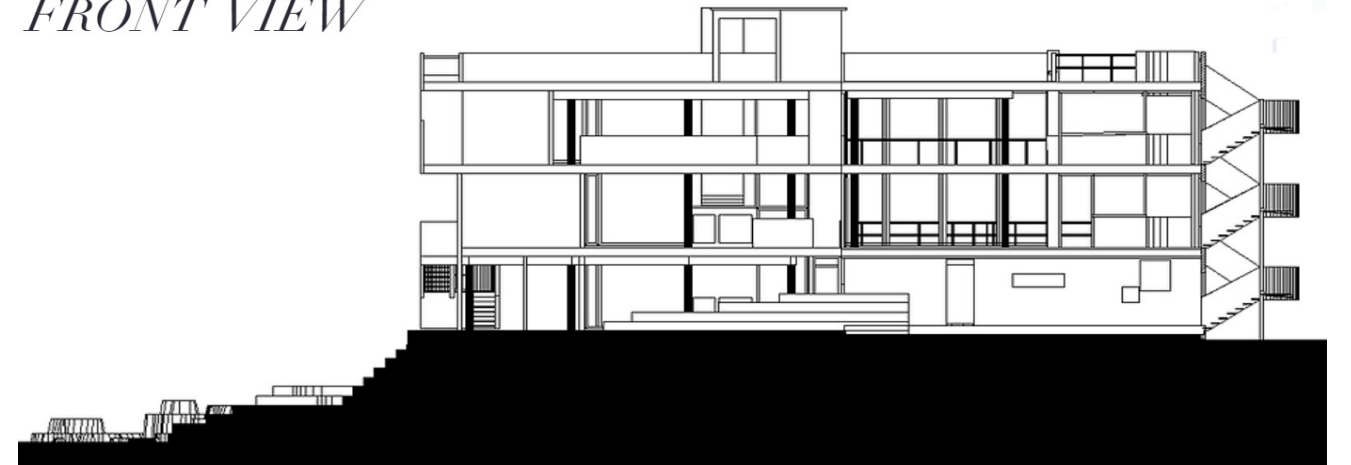
SOUTH



NORTH



FRONT VIEW



SECTION





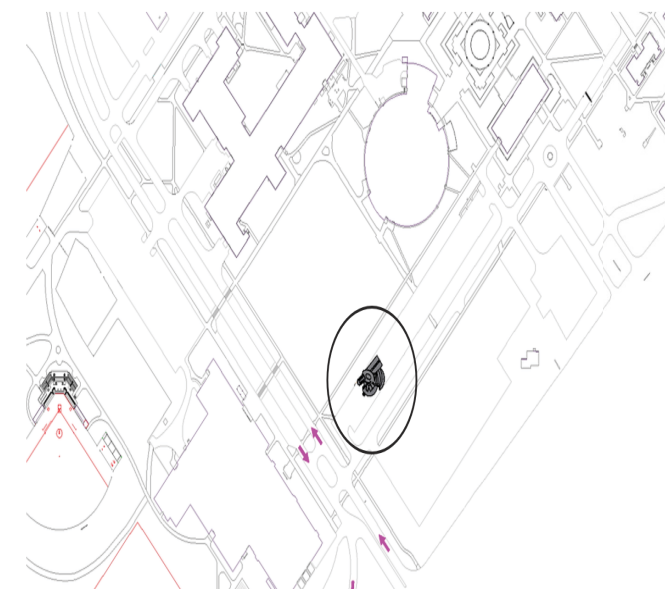
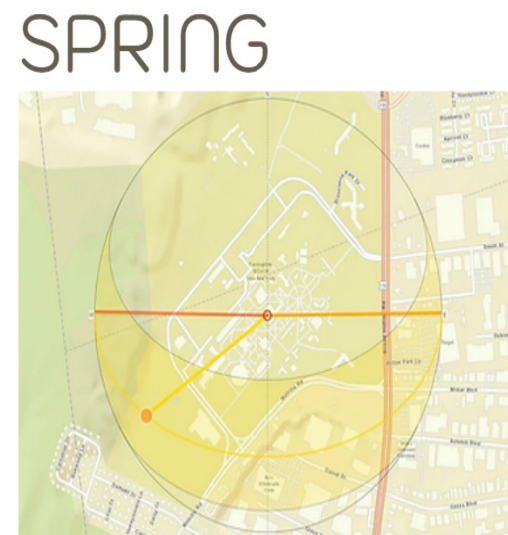
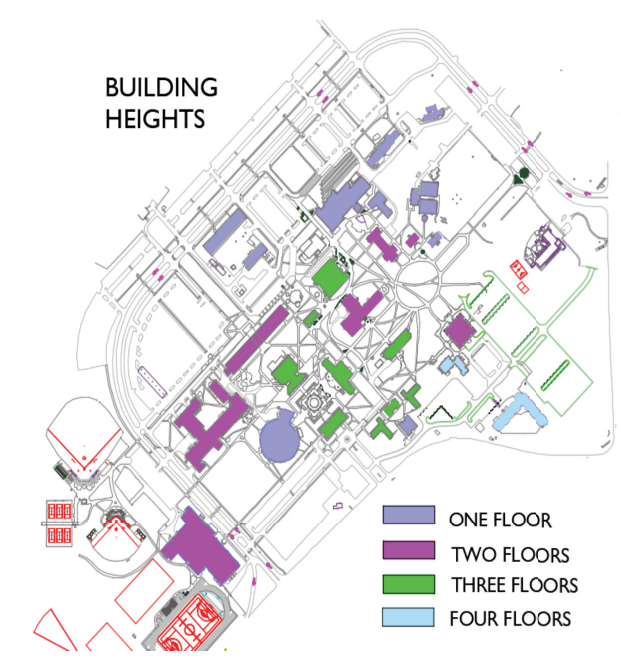
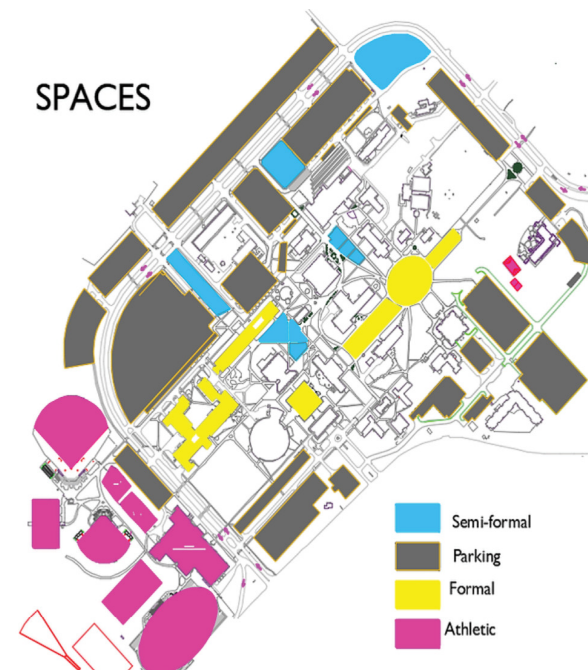
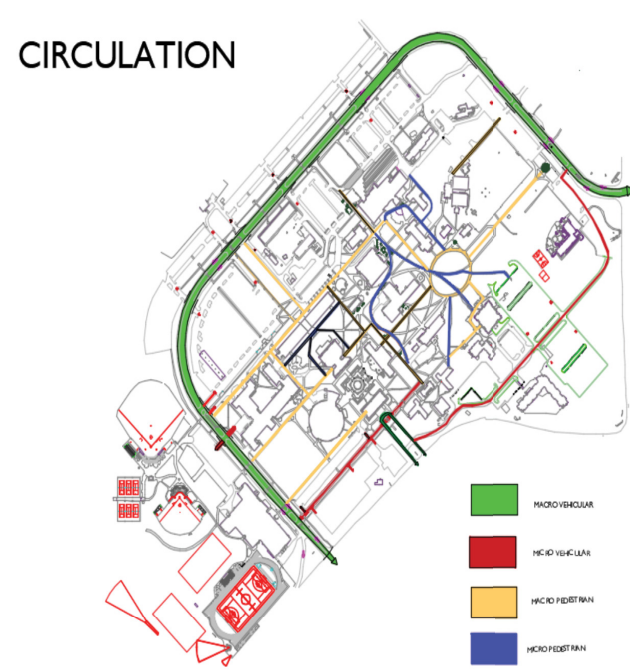
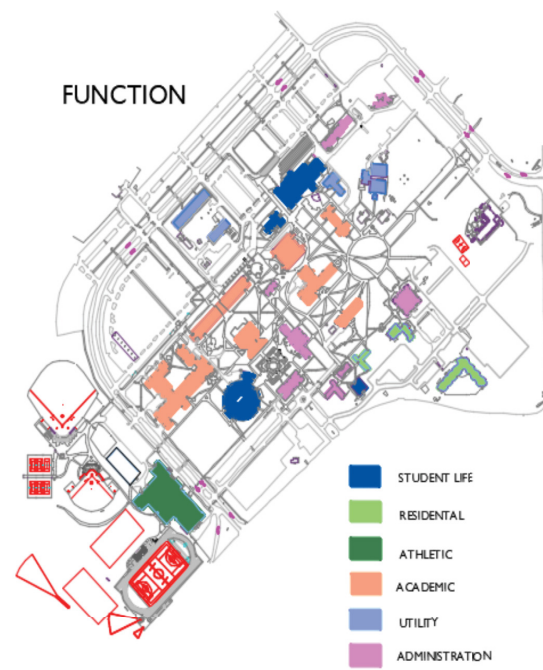
2022
DESIGN II
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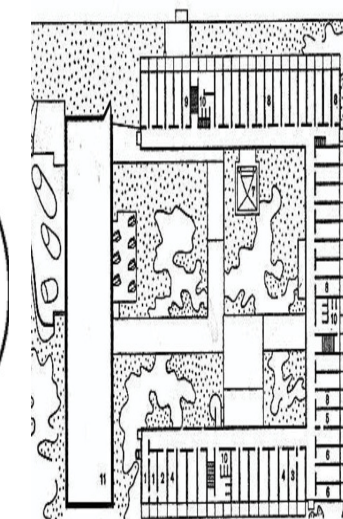
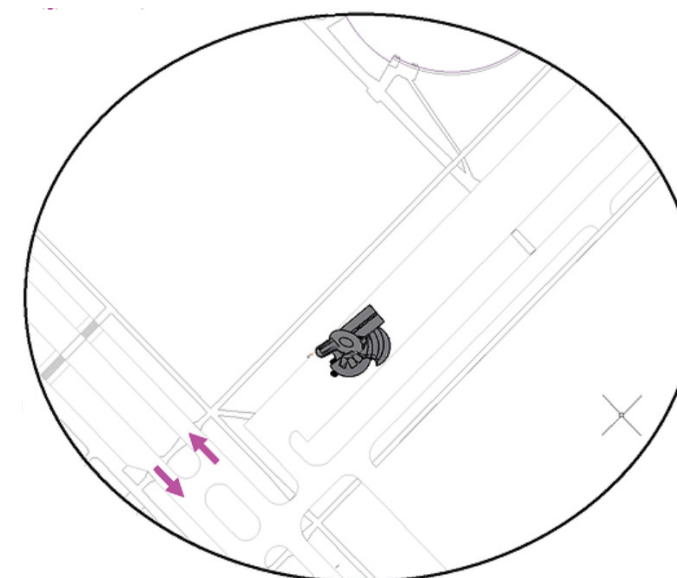
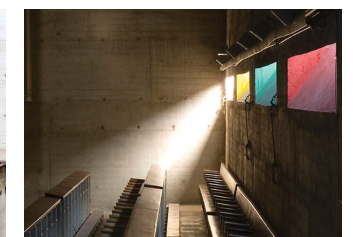
LIGHT

ORGANIC LIGHT CHAPEL

This project aimed to design a non-denominational chapel proposed for Farmingdale State College's campus. The college envisions this space as a spiritual haven open to people of all faiths for prayer and contemplation. Achieving this ambiance relies on creative lighting strategies, such as backlighting, reflector shields, and light cannons, to manage light flow into the building. Incorporating curved surfaces can also generate beautiful light effects. This chapel aspires to blend spiritual inclusivity with architectural finesse, a testament to the seamless union of thoughtful design and meaningful purpose.



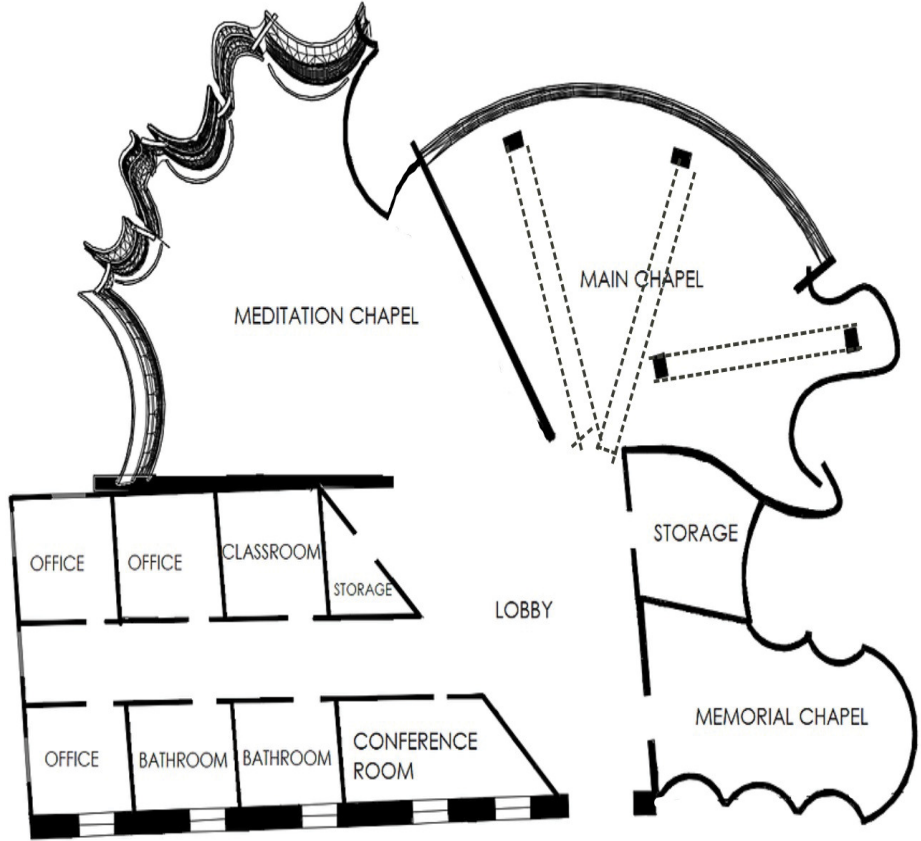
The site was selected for its seclusion, providing a unique advantage for the design. The structure benefits from abundant sunlight, accentuating the interplay between design and light. Boxed rooms find their place on the north side, while chapels are oriented to the south, east, and west. The main chapel, strategically placed on the southern side, enjoys ample sunlight. This isolated location naturally captures students' attention, making it a likely destination for them. The chapel's integration with the surroundings and its optimal sunlight aligns to create an atmosphere of contemplation and draws students to this serene spot.



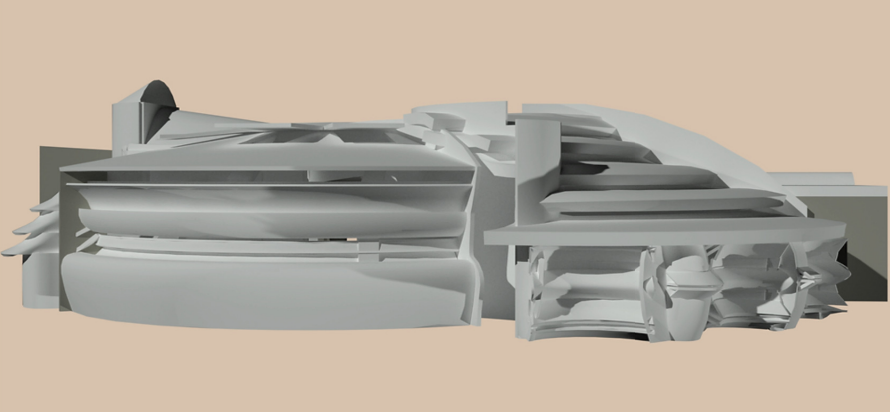
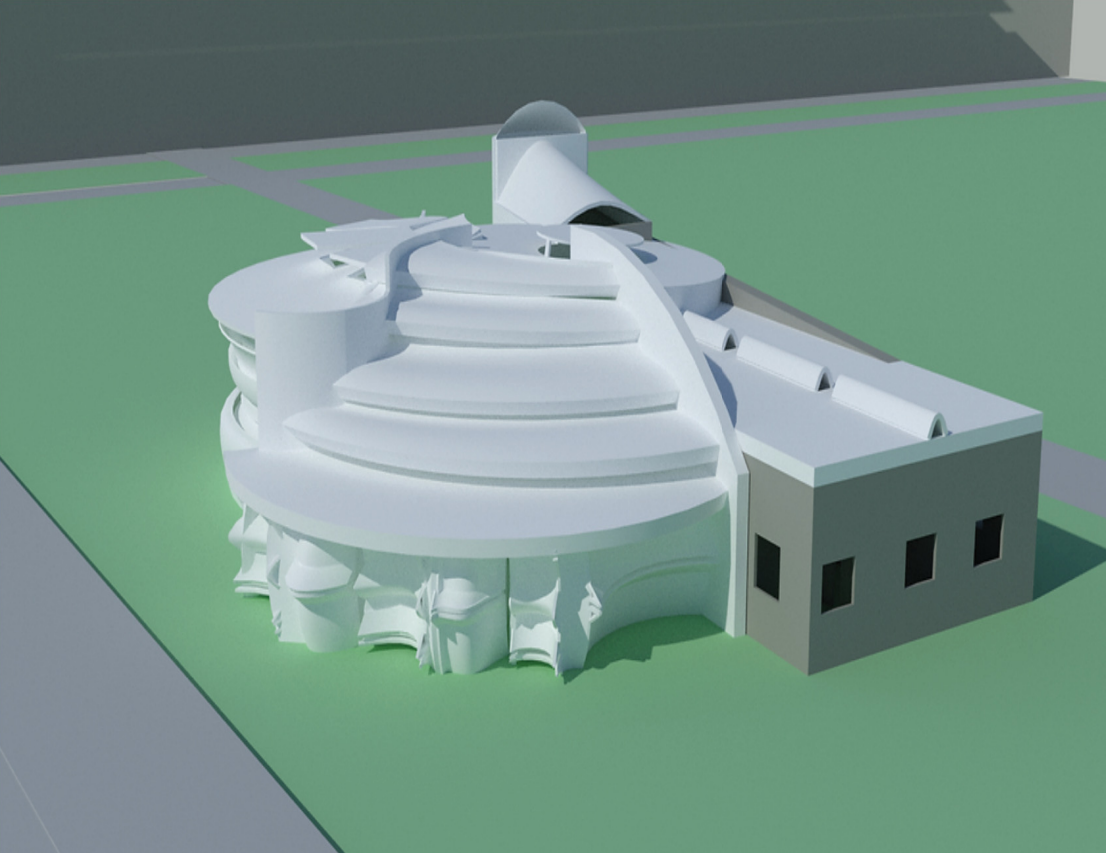
11 floor
 Cells for the sick, 2 Nurse's cell, 3 Cells for visitors, 4 Fathers' cells, 5 Cell for the monk in charge of the student brothers, 6 Student priests' cells, 7 Oratory, 8 Student brothers' cells, 9 Lay brothers' cells, 10 Sanitary offices, 11 Church

The influence of La Tourette is evident in our project. Boxed rooms were employed for secular purposes, following its principles. Learning from Le Corbusier, we explored light manipulation, using varying window sizes to play with natural light angles. Inspired by his vertical brise-soleils in India and light cannons through solid walls, we integrated similar elements. Unlike Ronchamp's blending with the landscape, our design asserts a more dominant presence. These insights shaped our design's focus on light dynamics and aesthetics.

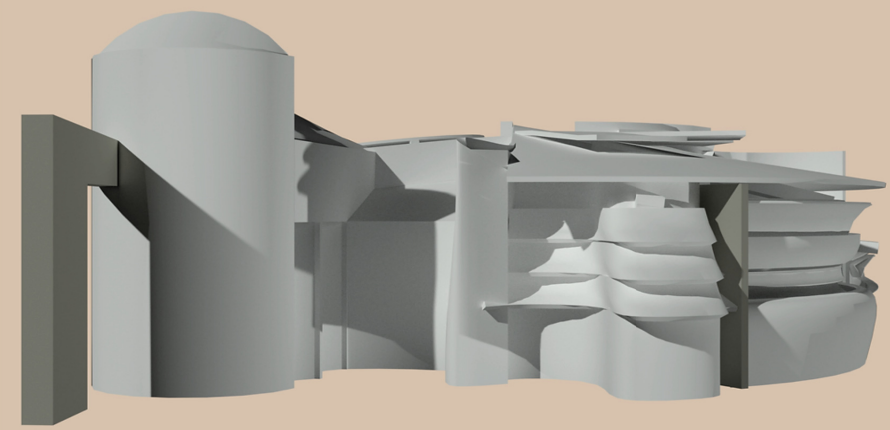
FLOOR PLAN



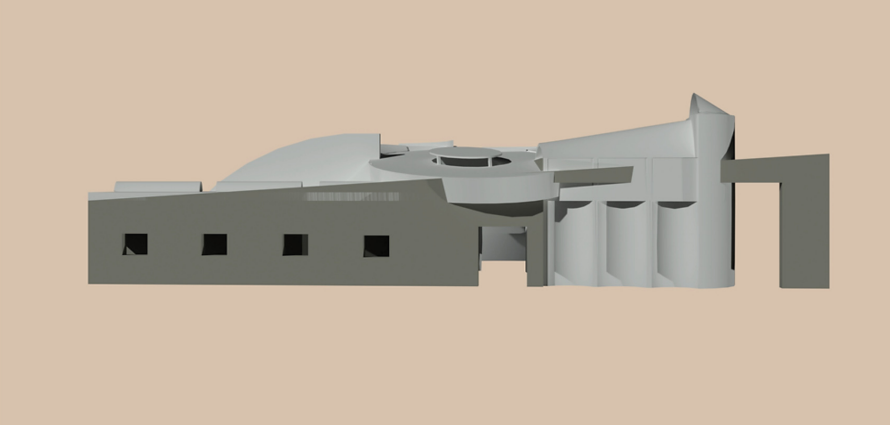
EXTERIOR ON SITE



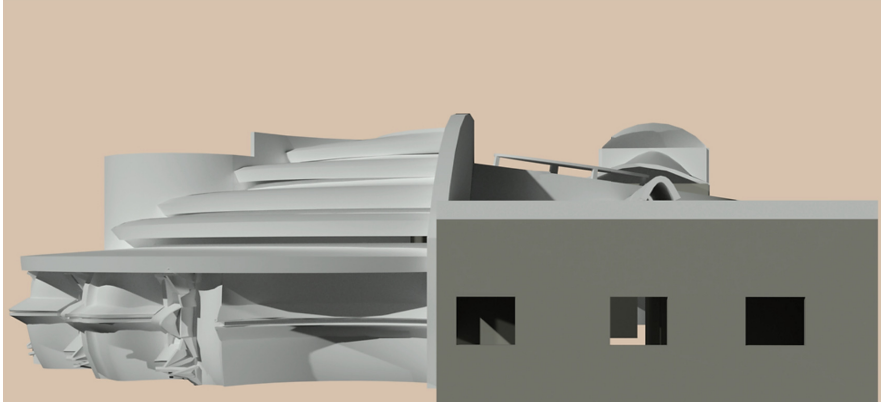
SOUTH ELEVATION



WEST ELEVATION

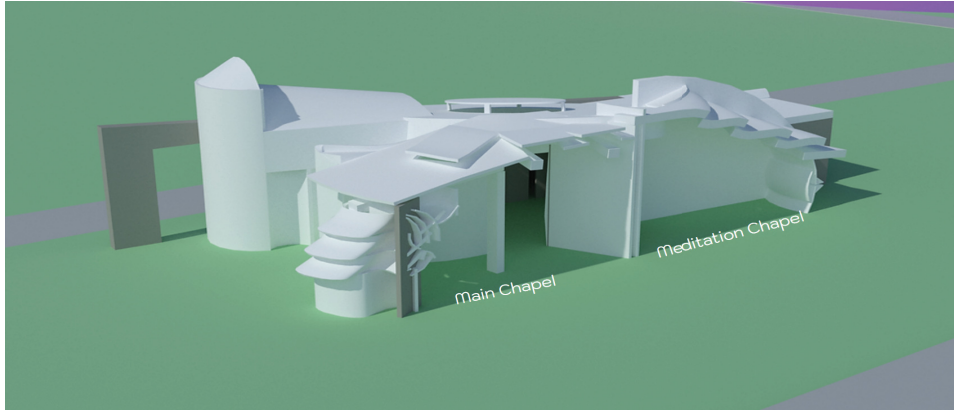
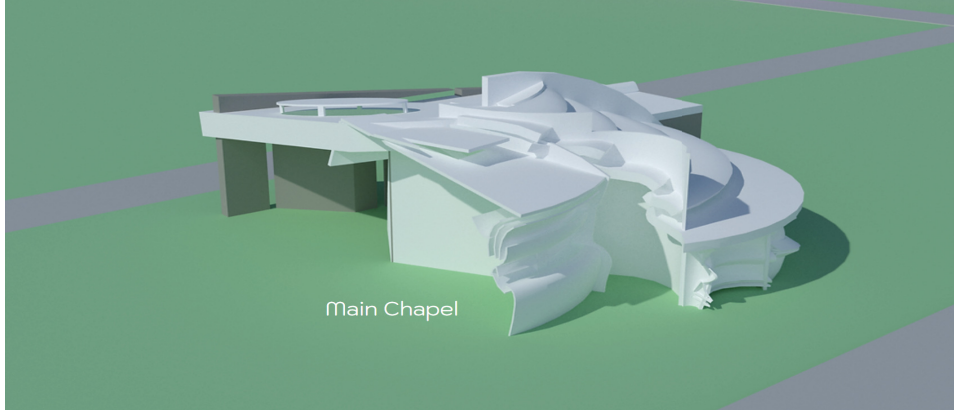
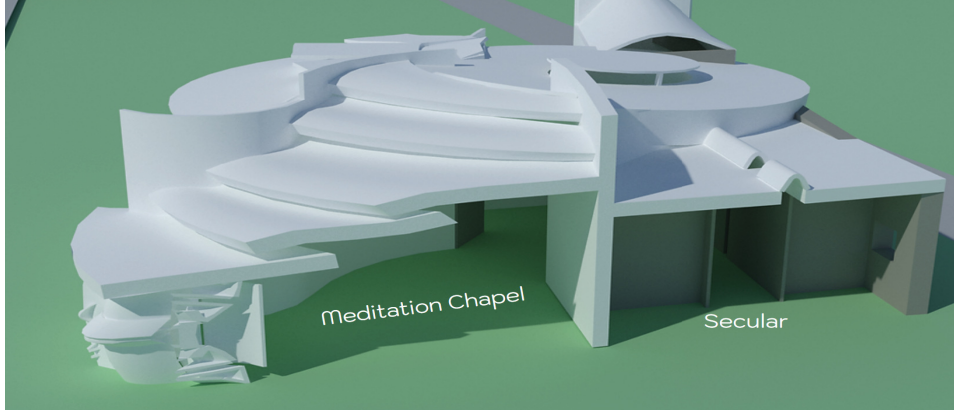


NORTH ELEVATION



EAST ELEVATION

SECTION VIEWS



EXTERIOR ON SITE

