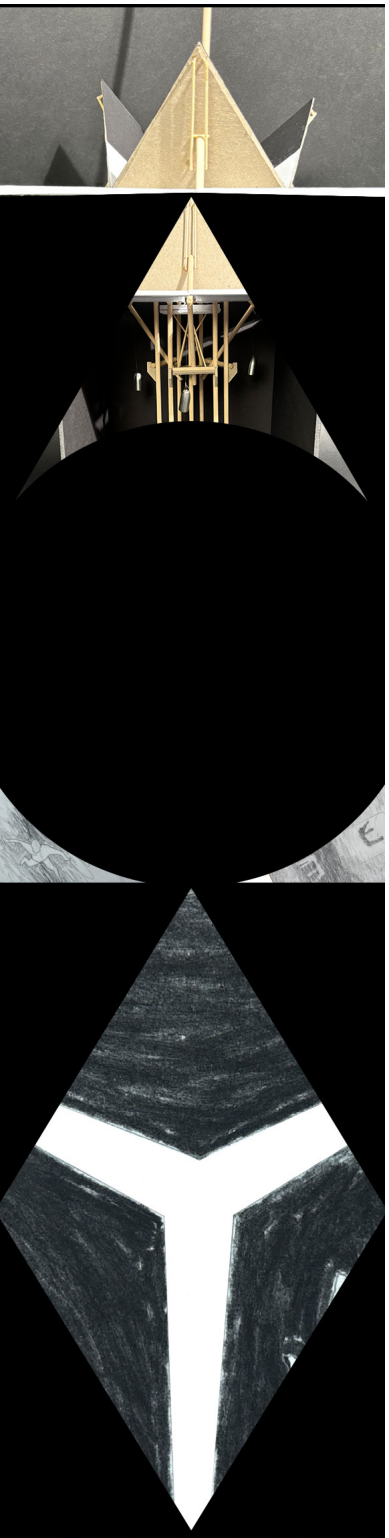


WILLIAM FLORELL

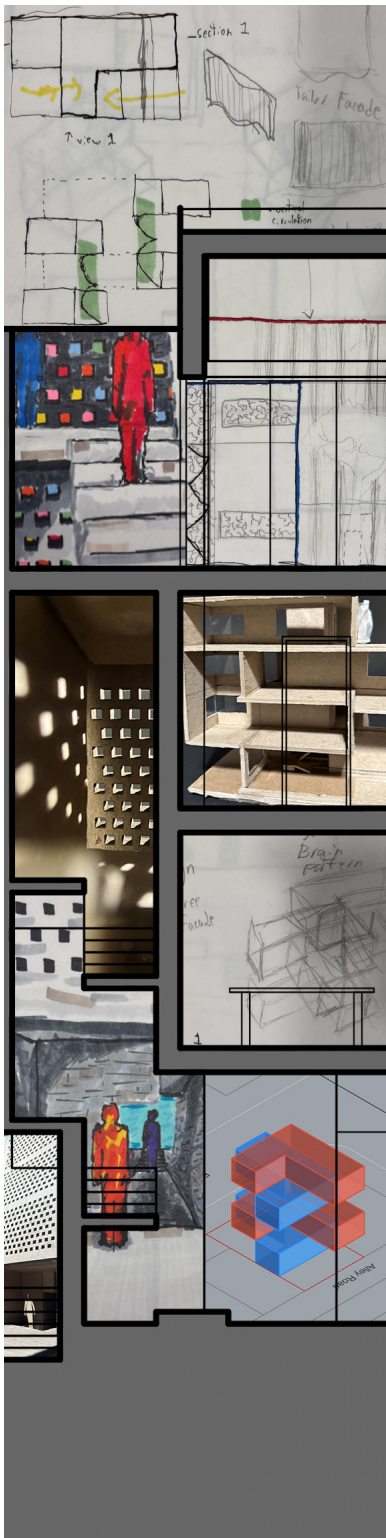
SELECTED WORKS

CONTACT
Williamflorell@gmail.com
(727)-278-4231

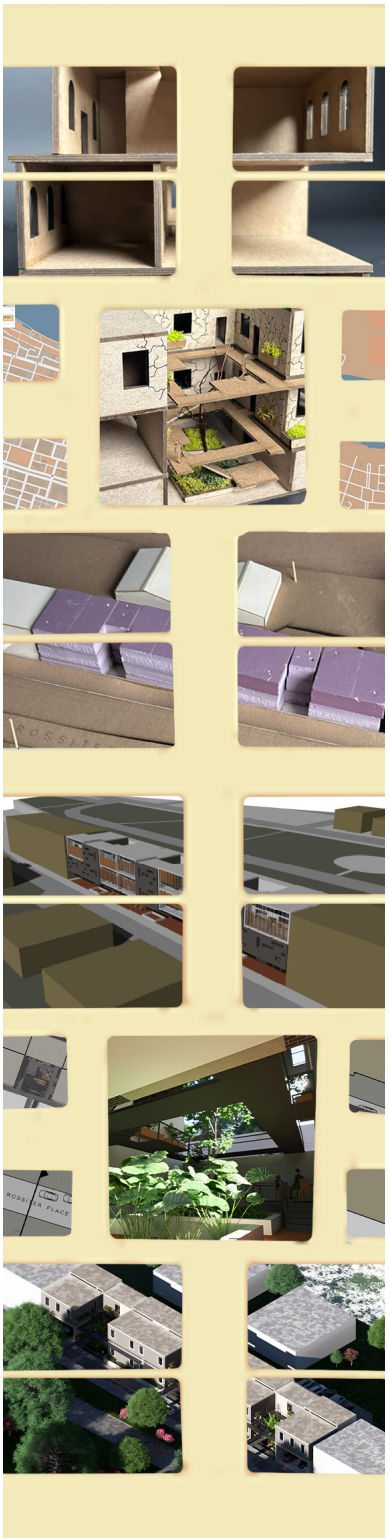
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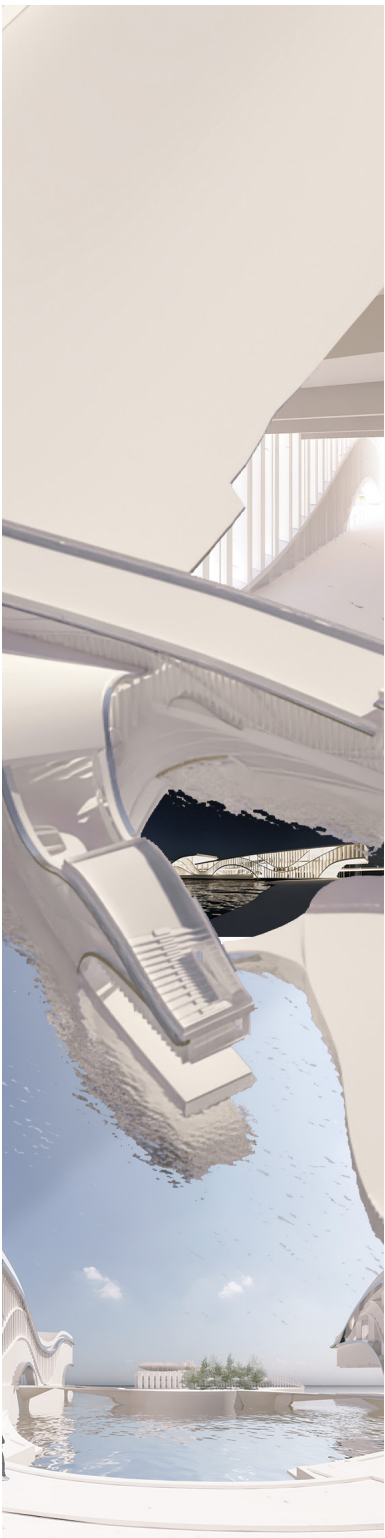
01: FOREVER RESING



02: STITCHED PATHWAYS



03: STCACKED PLAZA

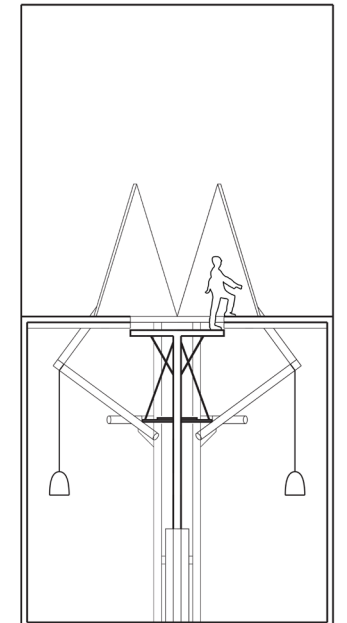
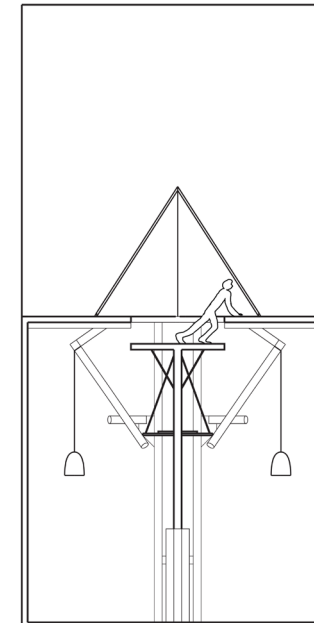
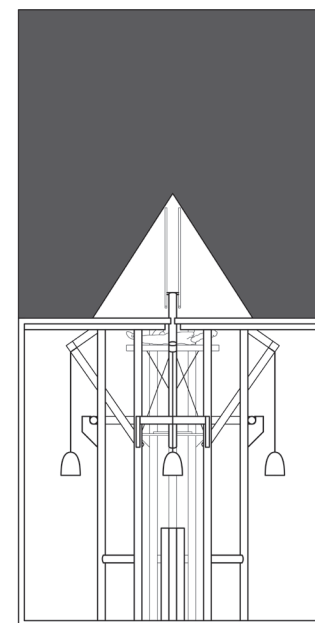
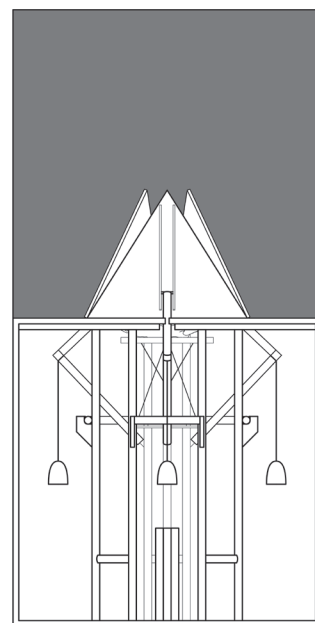
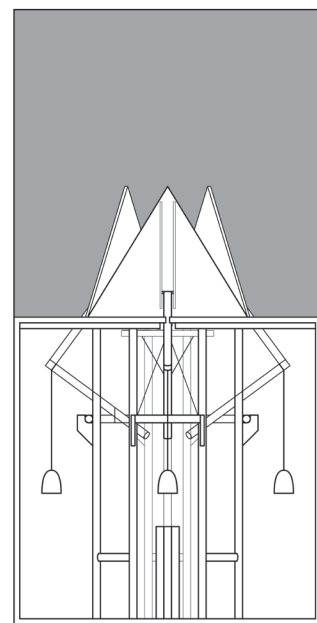
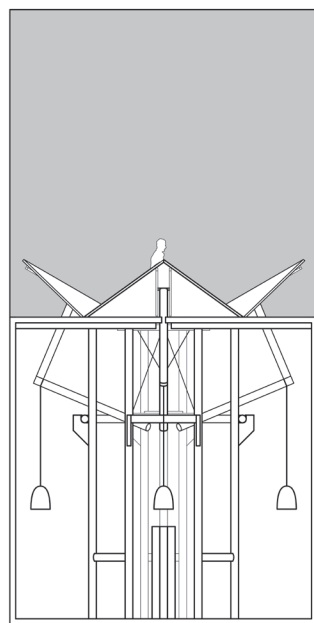
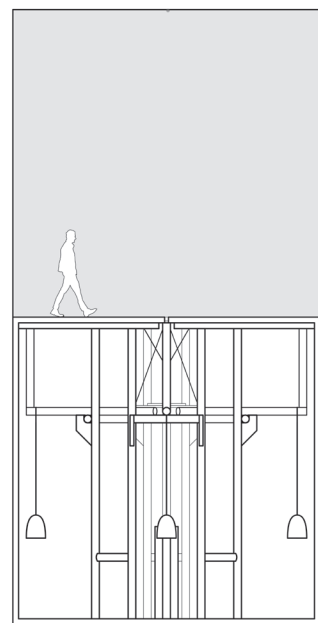
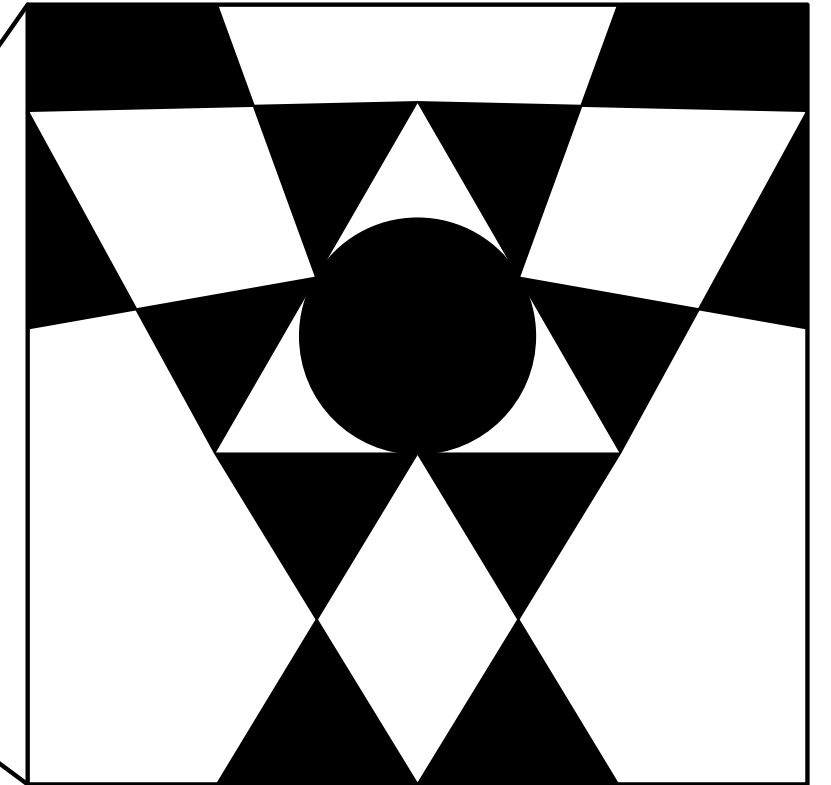
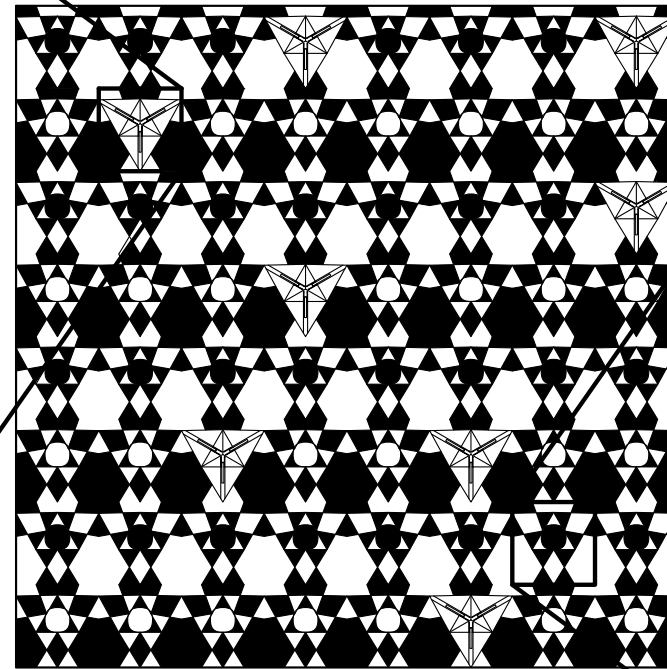
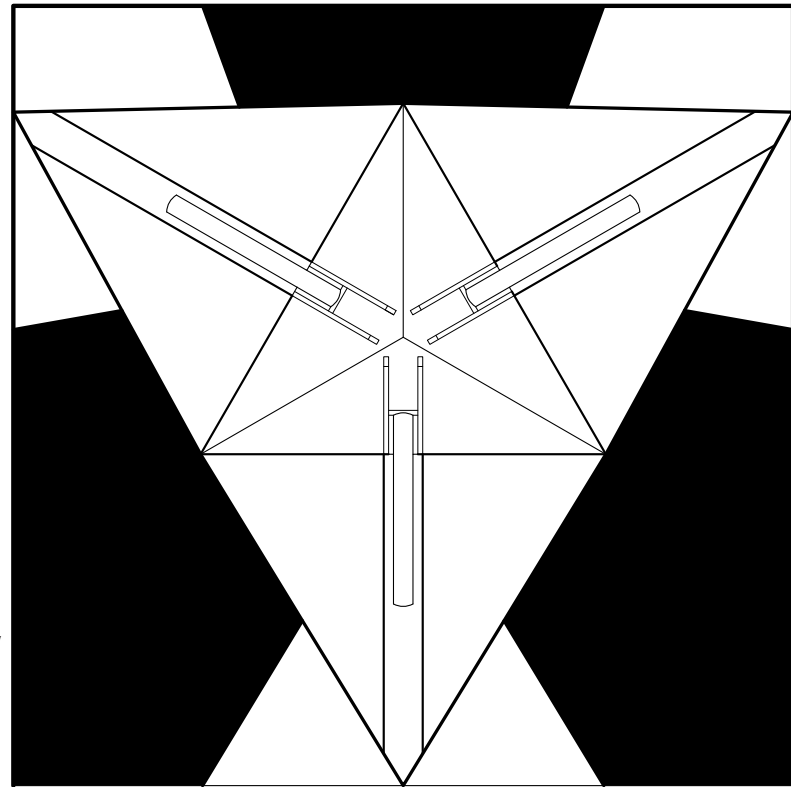


04: COMMUNITY MARINE CENTER

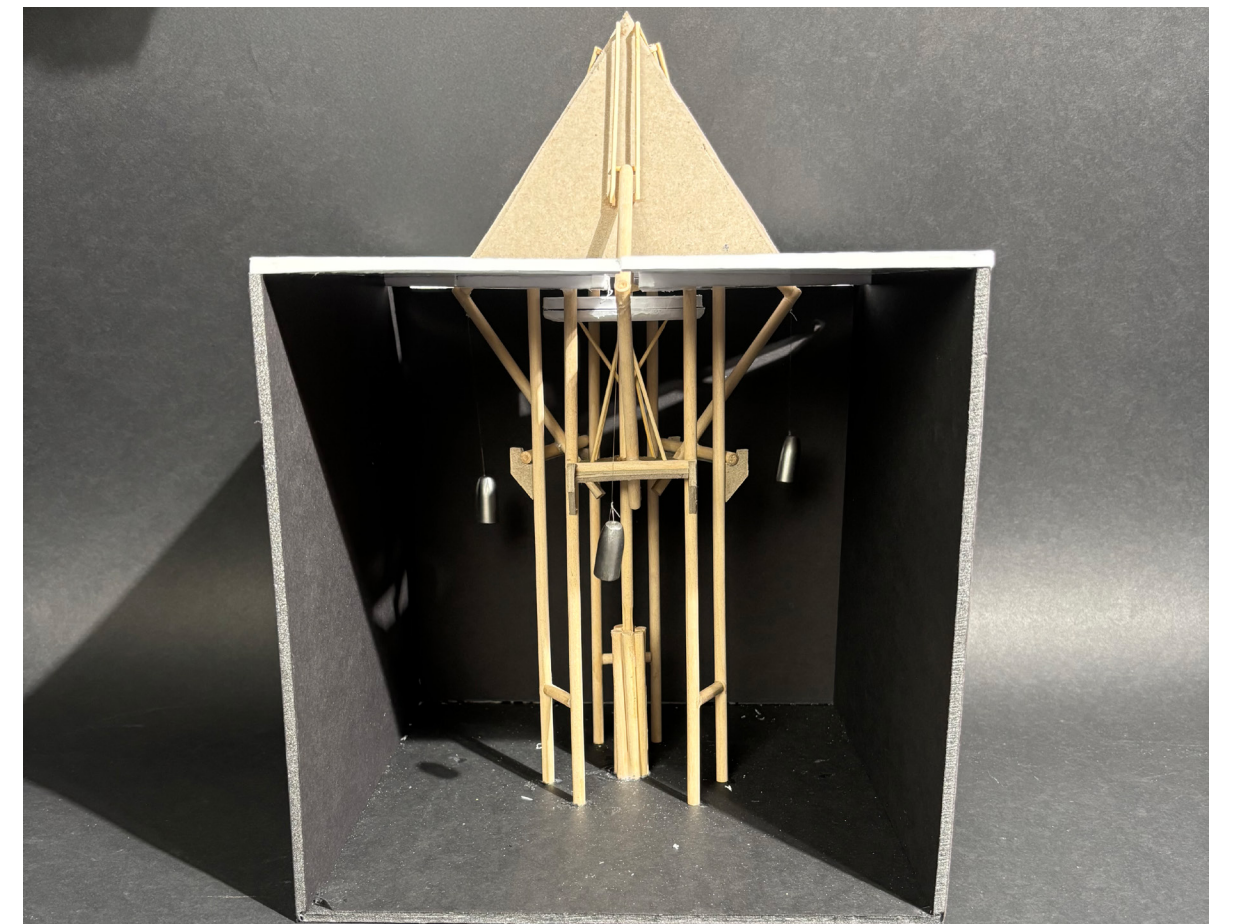
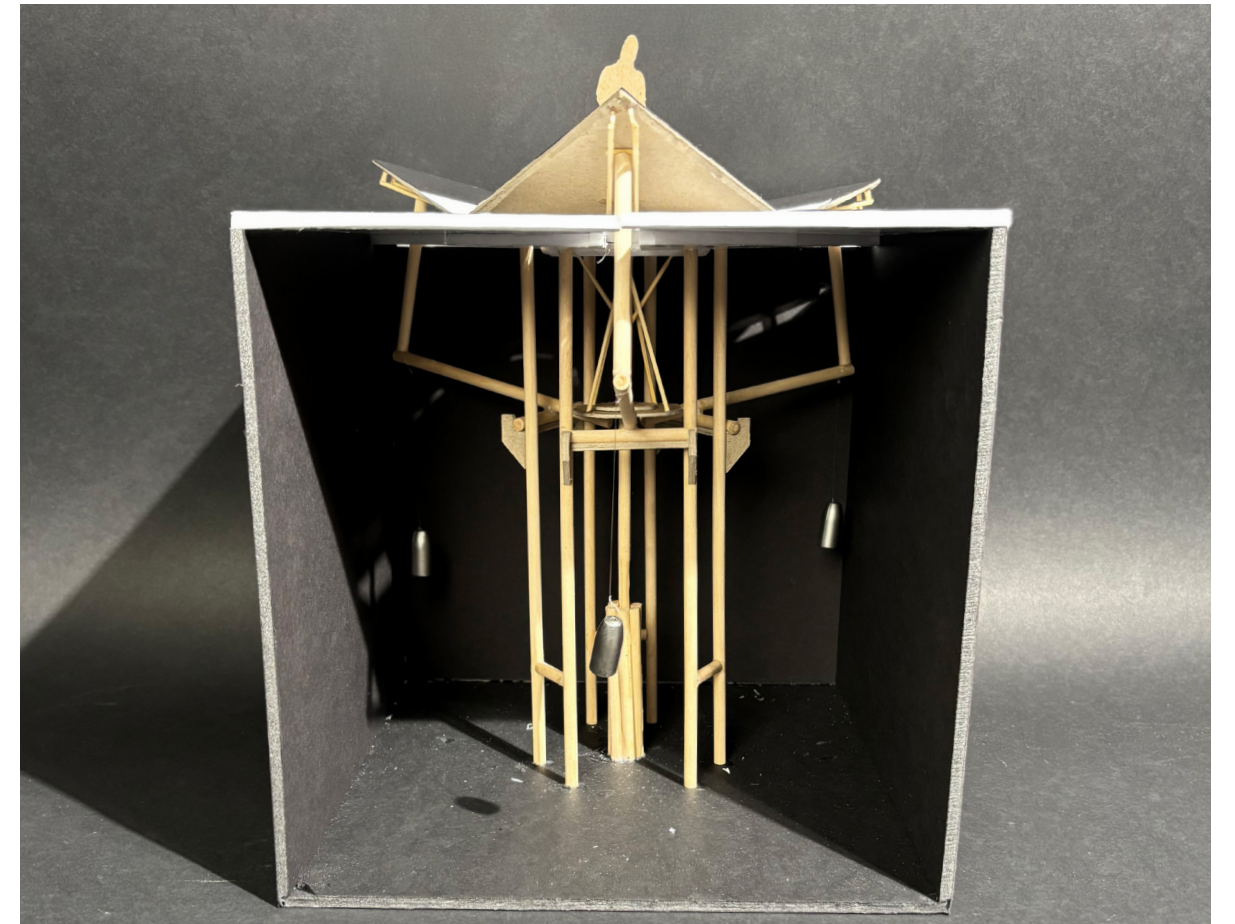
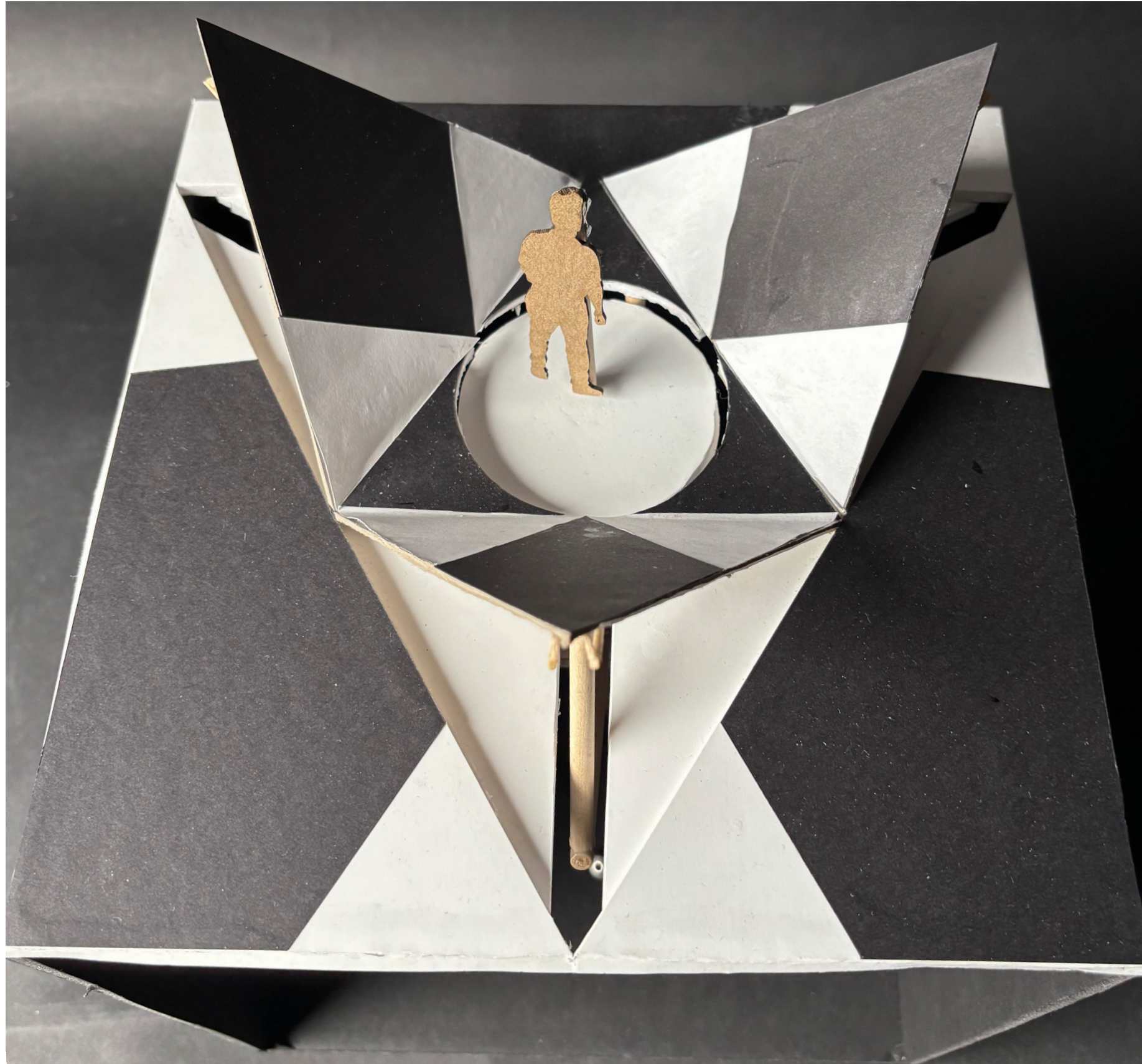
“Each night, when I go to sleep, I die. And the next morning, when I wake up, I am reborn” - Mahatma Gandhi. This quote is especially profound and integral to this project, as it interprets the spiritual transformation that occurs during sleep as a physical action. The parameters of this project area make up a 20'x20'x40' box with a datum splitting the space in two. The concept of **an opening flower inspired the opening and closing** action of the sleeping space. When people walk into the space, it closes slowly around them due to counterweights and lowers the bed into the belly of the mechanism. The grave consumes the user, closing out all other sounds and sensory stimuli, only opening when the user decides to be reborn into the world. Since the main facade is flush with the ground, I designed it to look like an abstract tile pattern that could be **infinitely repeated**, creating a sea of chambers.

01: Forever Resting

Arch214 - Core Design Studio IV
 Sleeping Space
 Professor Olga Mesa



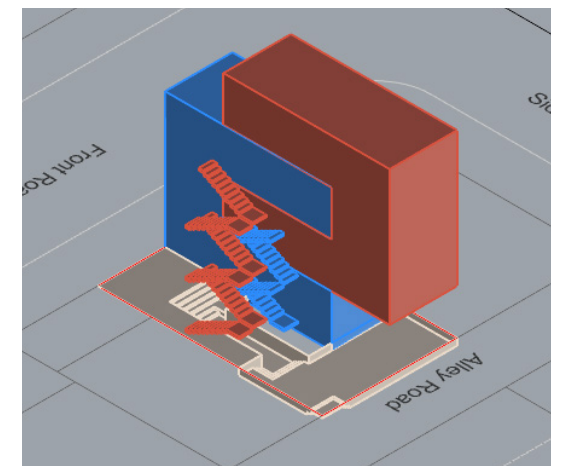
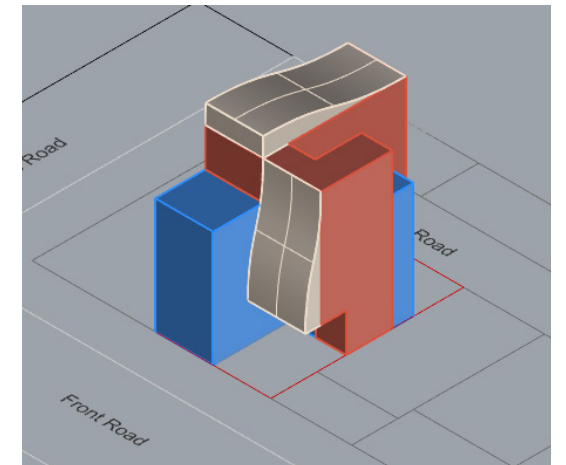
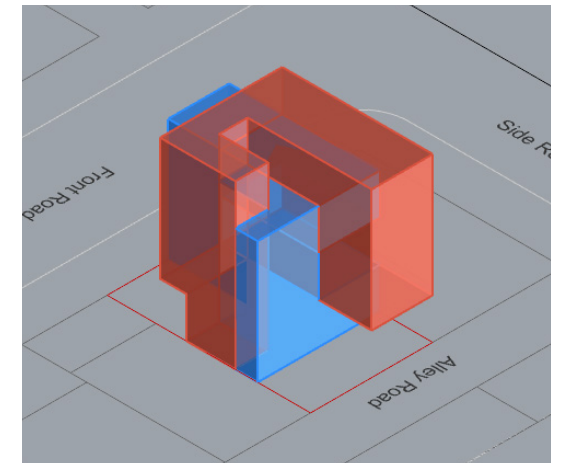
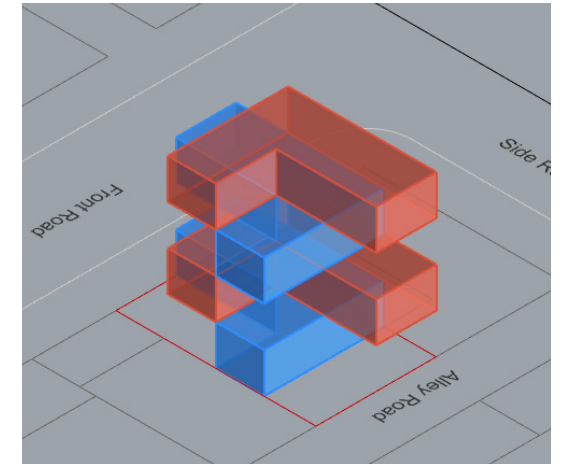
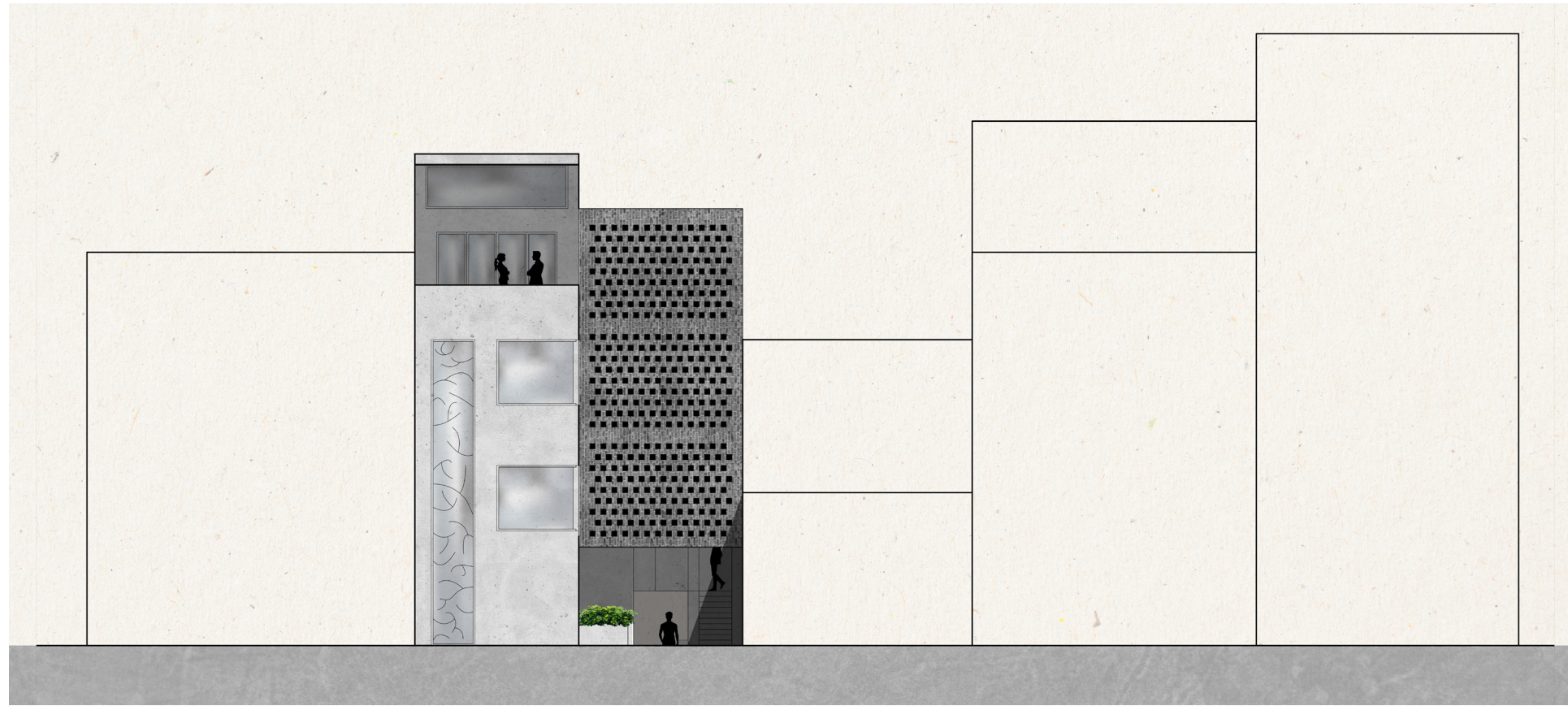
01: Model Photos



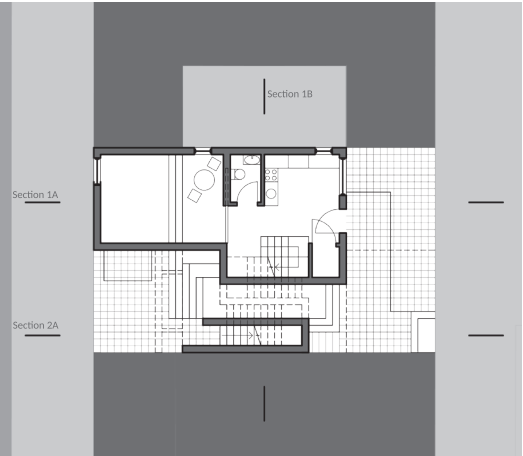
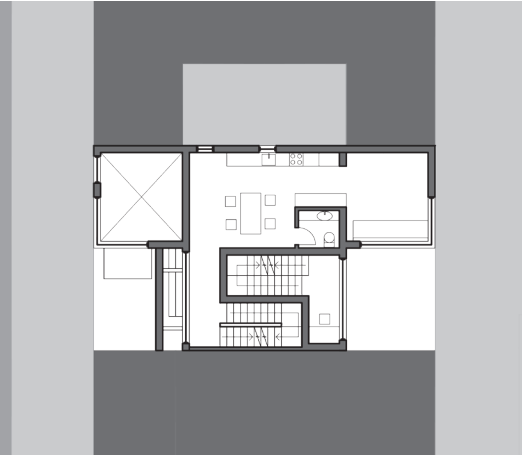
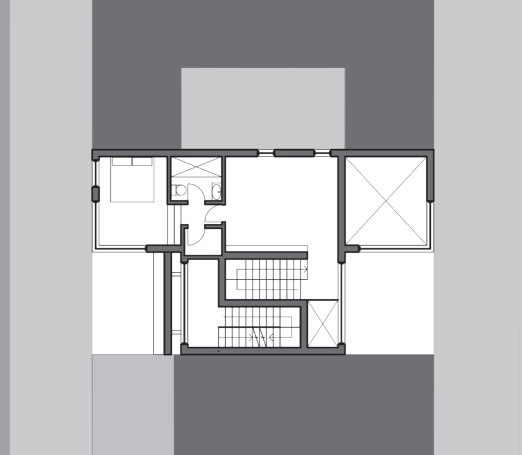
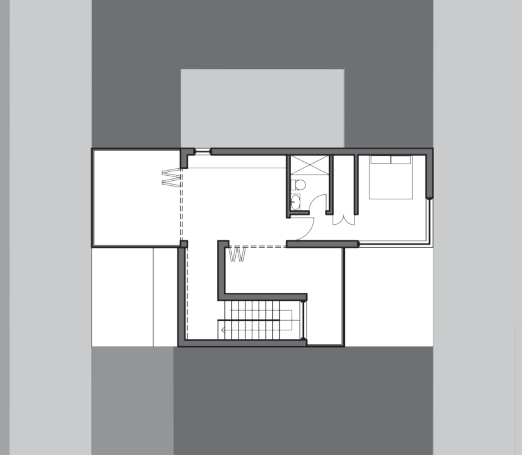
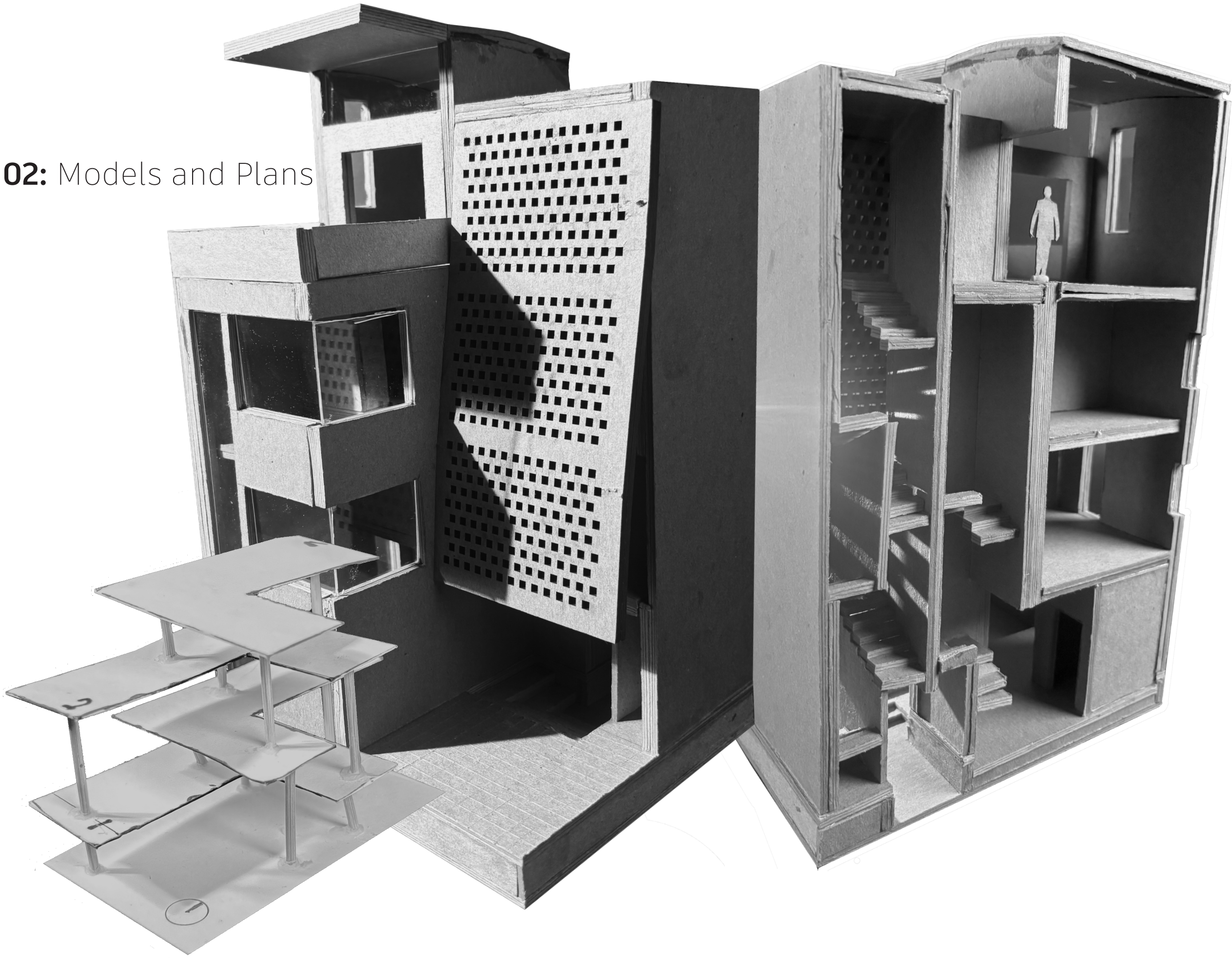
02: Stitched Pathways

Arch214 - Core Design Studio IV
Duplex Project
Professor Olga Mesa

In this project, two professionals, a psychologist and a tailor, work and live inside a duplex tailor-made for their specific needs and careers. The building layers each floor, with the general **PARTI of alternating L-shaped masses** that zip together and fit like puzzle pieces. Two parallel staircases that give unique experiences of light and visibility on each level. The front facade and roof curve to seamlessly open the space and give the building a sleek look. These curved elements alter the building's materiality, placing clean metal surfaces on the white facade, highlighting the building's curves. The stairs switch back and forth, stitching the alternating floors together, creating a sunken opening between the front and back patios.



02: Models and Plans



02: Vignettes and Sections



V1



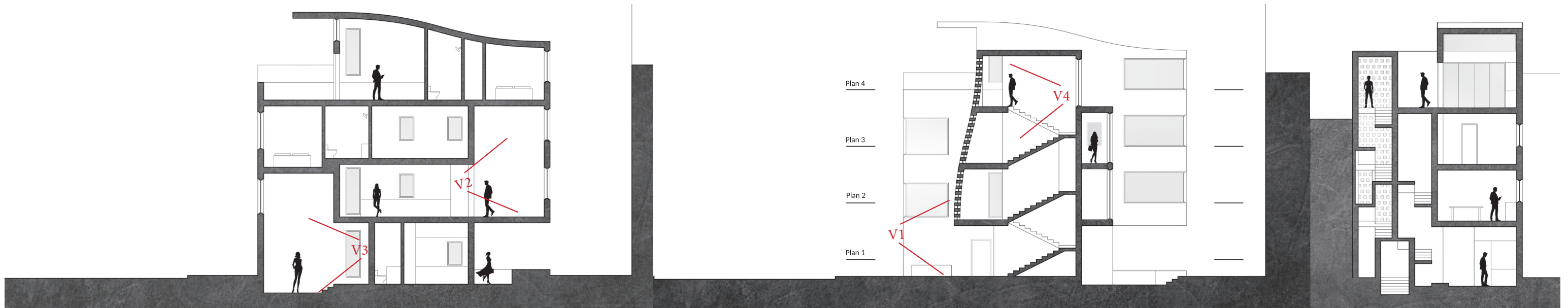
V2



V3



V4



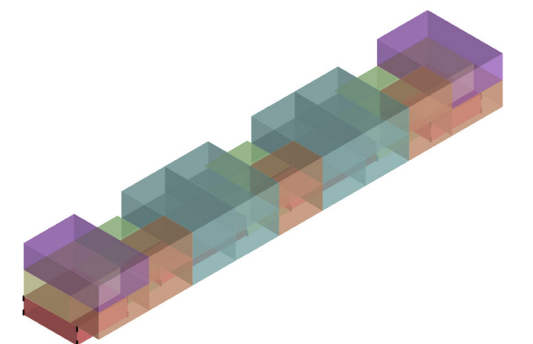
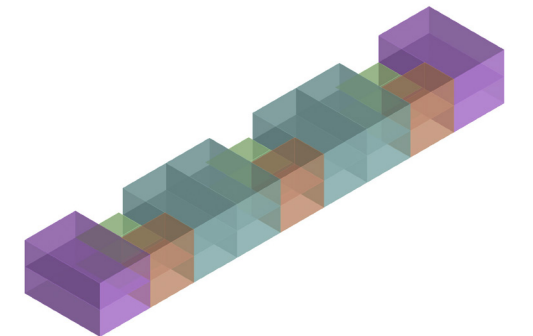
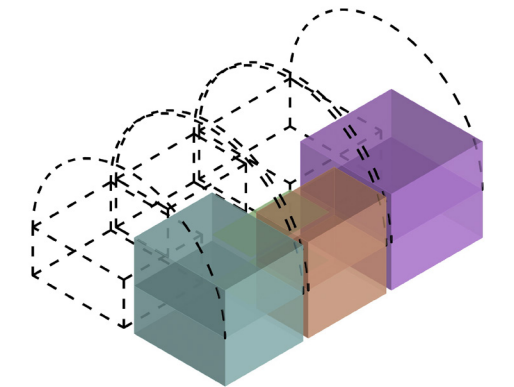
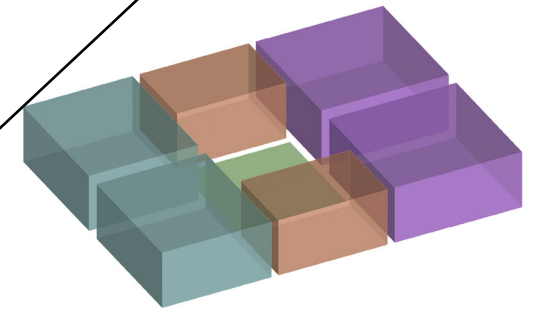
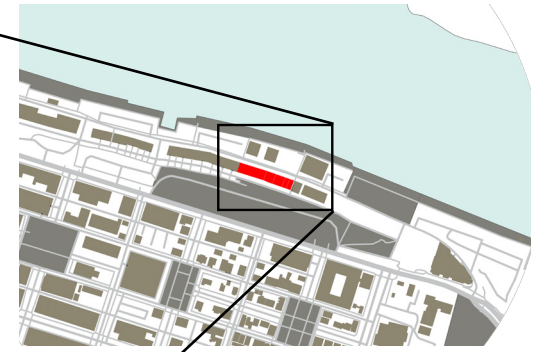
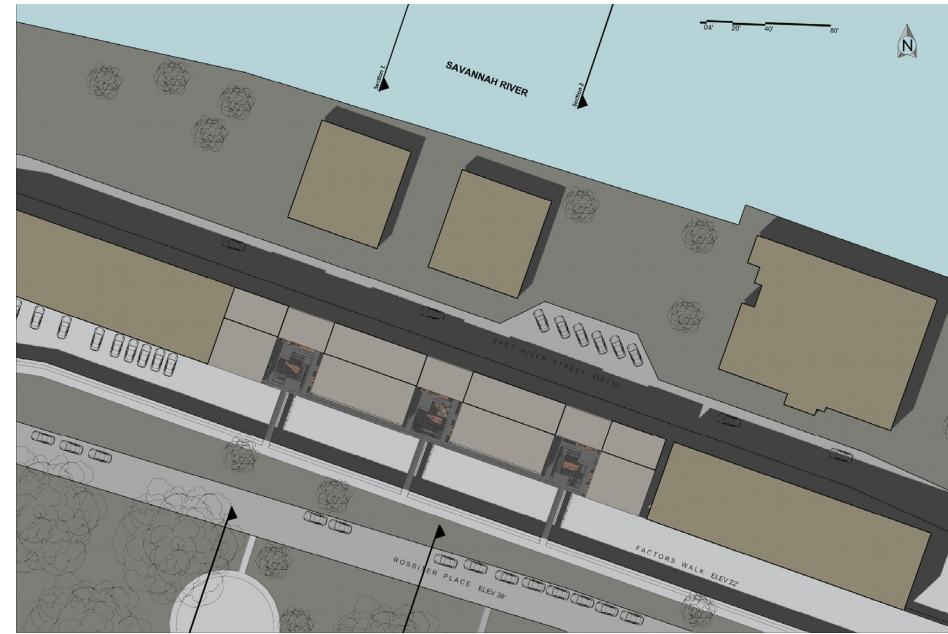
03: Stacked Plaza

Savannah, GA

Arch214 - Core Design Studio IV

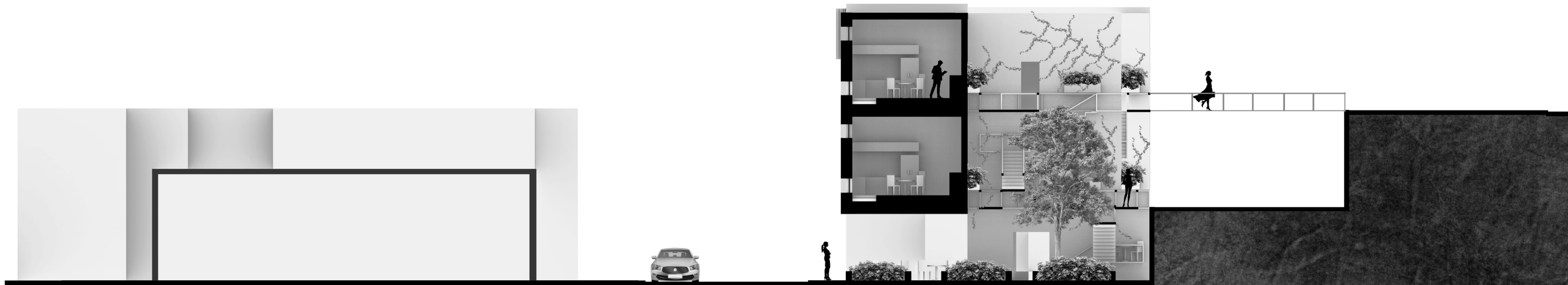
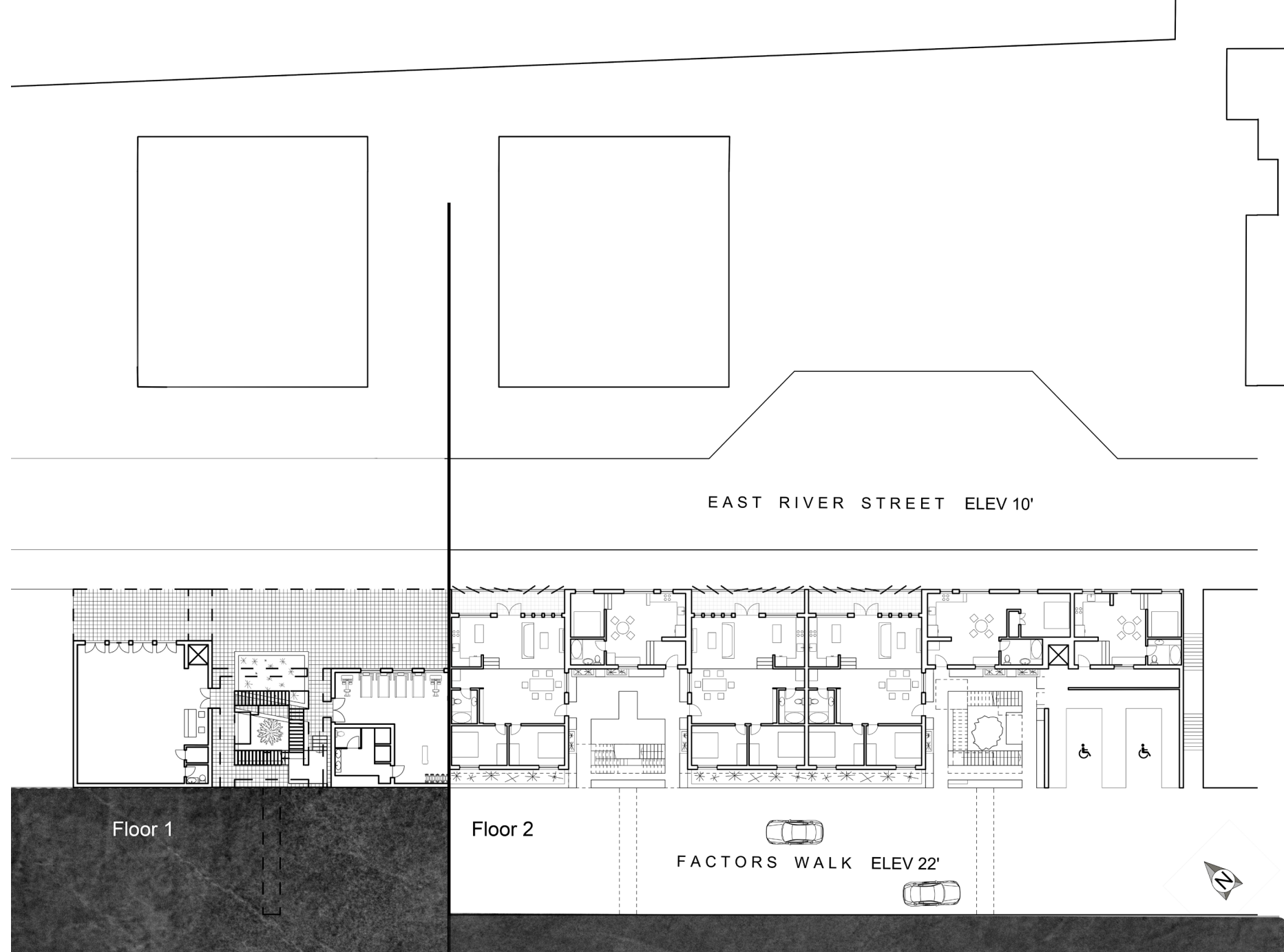
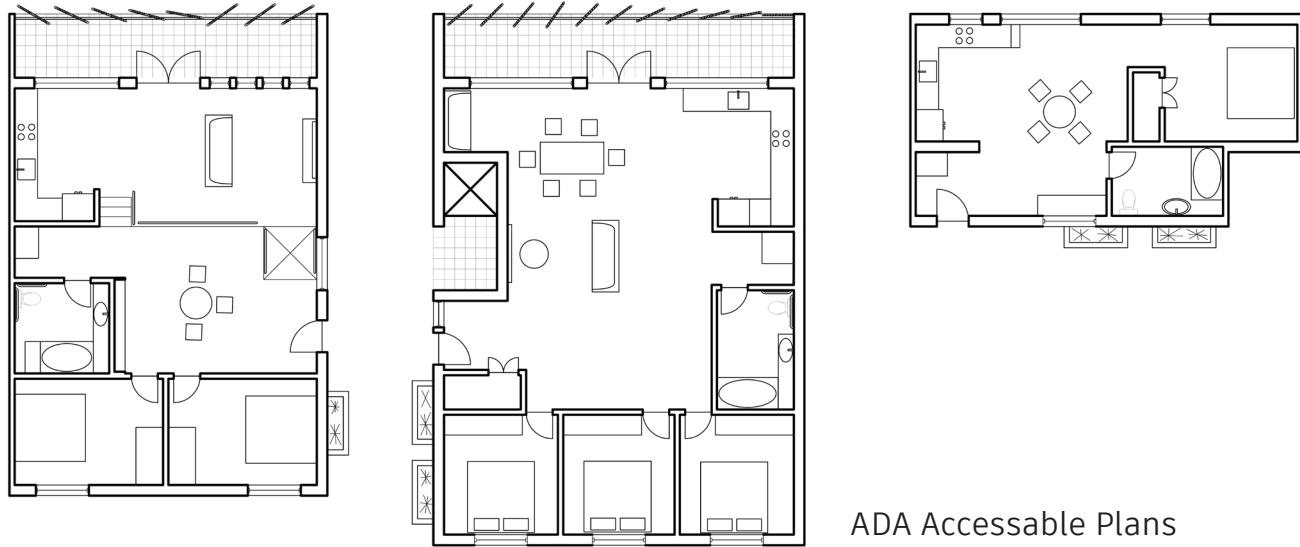
Professor Olga Mesa

Savannah, Georgia, was designed in 1733 by General James Oglethorpe. This plan continues to spread green spaces throughout Savannah by placing housing blocks around a central communal garden space or park. Extrapolating and abstracting this idea by **folding the blocks over on themselves** allowed me to create a housing building with green spaces that transports people from the green city to the more industrial coastline. These green vertical plazas create intimate spaces that bring neighbors together in small communities within the building. **Raising the apartments allows circulation and retail opportunities** that provide services to residents and visitors alike.



03: Orthographic Drawings

3 main layouts make up the building: 3-room, 2-room, and studio apartments. These apartments are placed **variably around the plazas to create diverse communities** within the complex. The larger apartments feature balconies with adjustable privacy screens, giving residents access to fresh air and privacy from the hustle and bustle below. The top floors cantilever over the ground level, inviting people into the space and protecting visitors from the elements. **Specific ADA accessible apartments** with specific layouts allow people with disabilities to more easily move and use their apartments, with ADA accessible parking and elevators, as well as accessible means of egress.



04: Physical Models + Renders

The Physical Model was created to give a visual aid and **understanding of light qualities and the rhythms of the building** in its placement upon the site and connections with neighboring buildings. A sectional model at a larger scale allowed me to photograph individual qualities of space especially in the communal spaces and front facade.

Using rhino3d, a 3d model was developed, highlighting the materiality of the building. Using Lumion, I was able to make detailed 3d renders, refining them using photoshop, highlighting individual vignettes and **human interaction with space.**



05: COMMUNITY MARINE CENTER

Barcelona, Spain

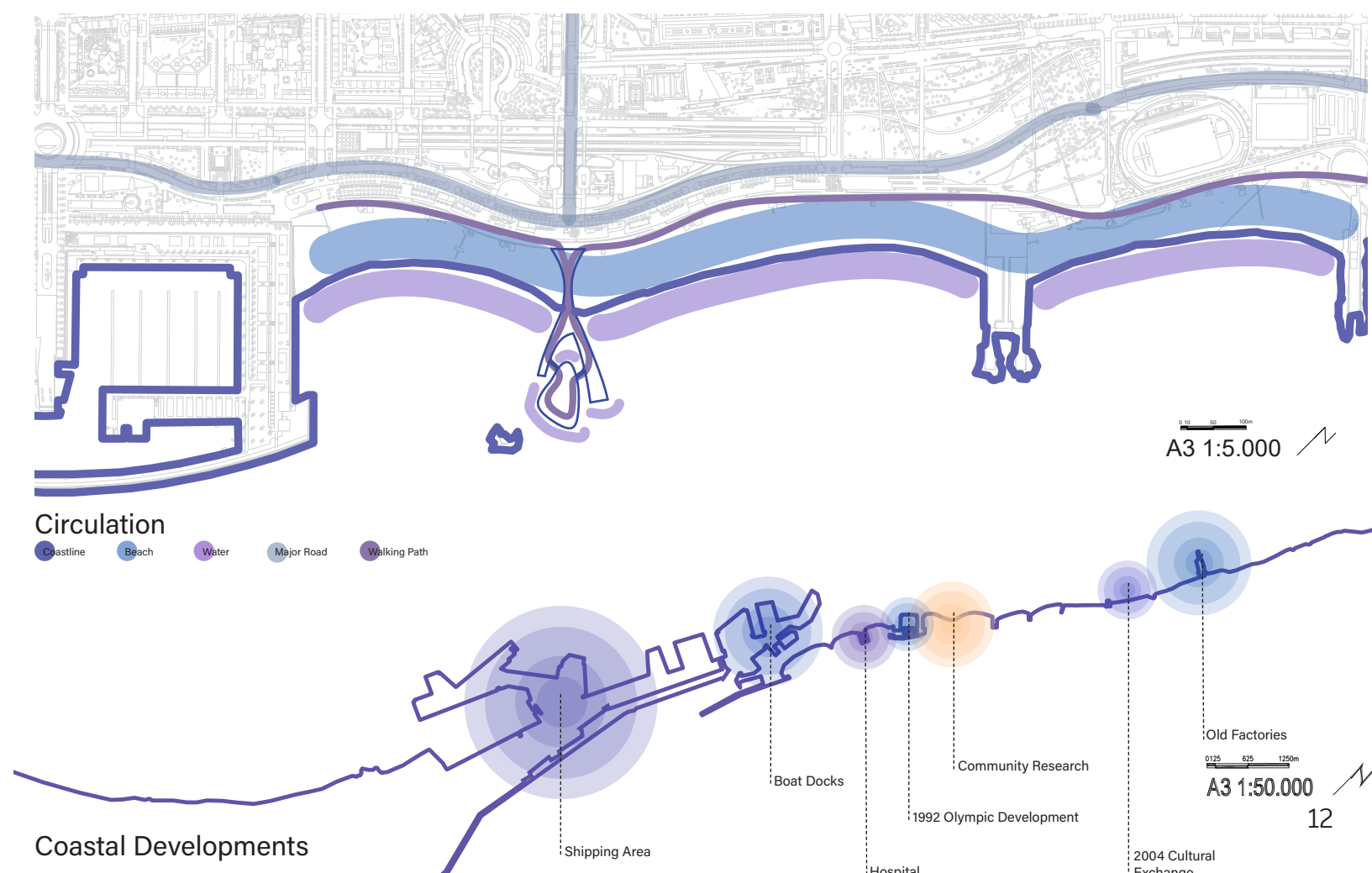
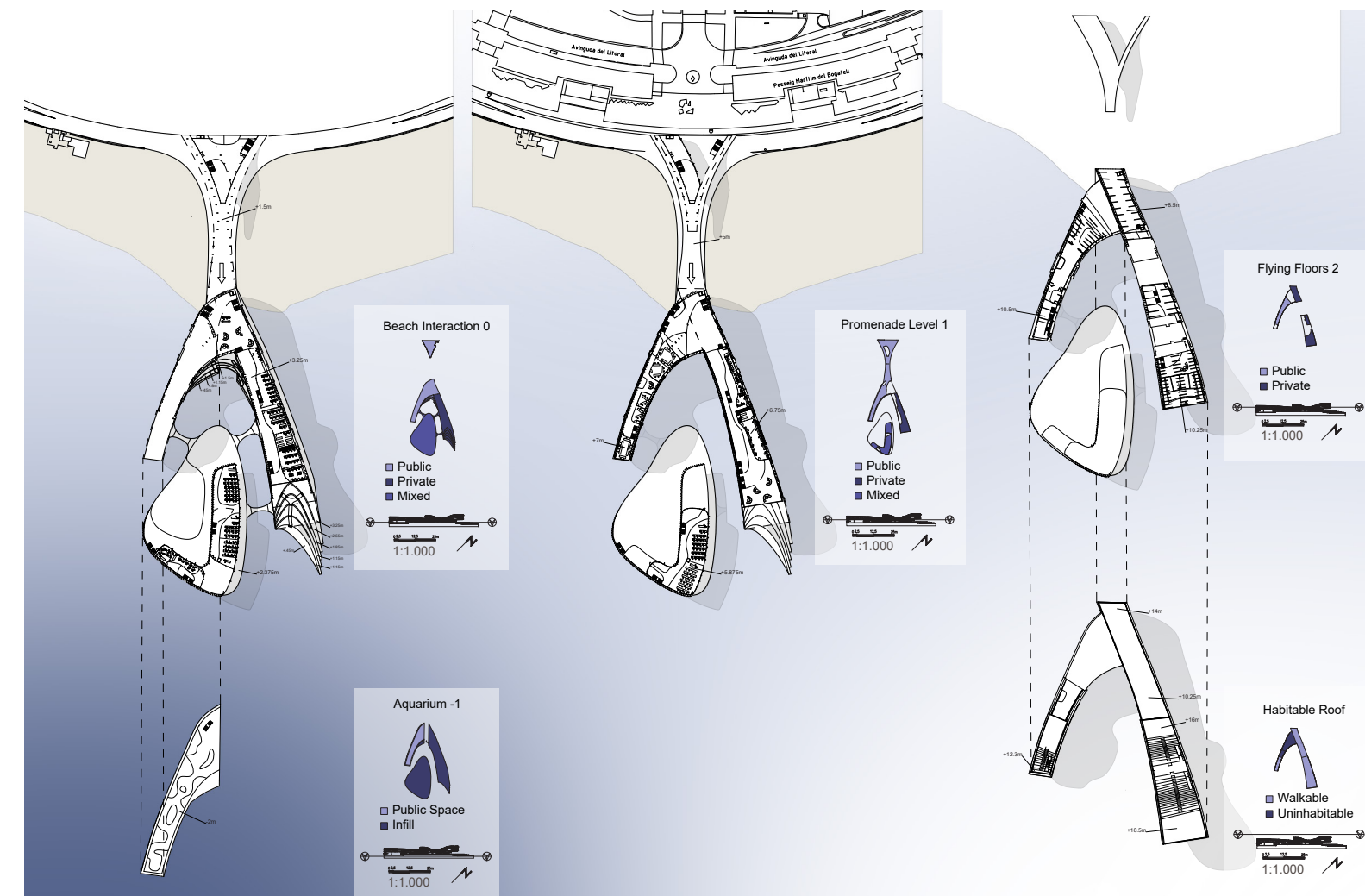
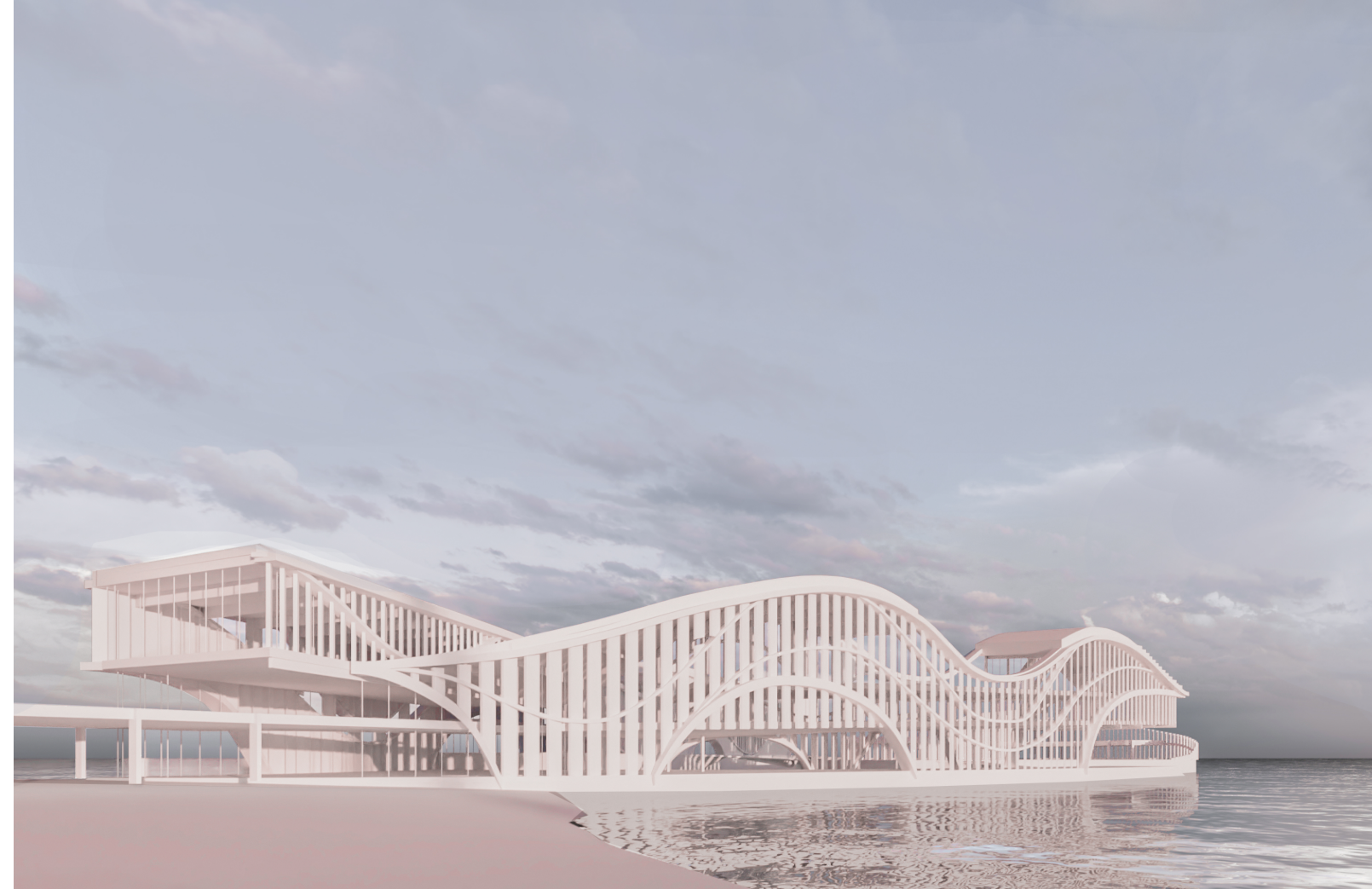
In Collaboration With Jessica Villarreal Reyes

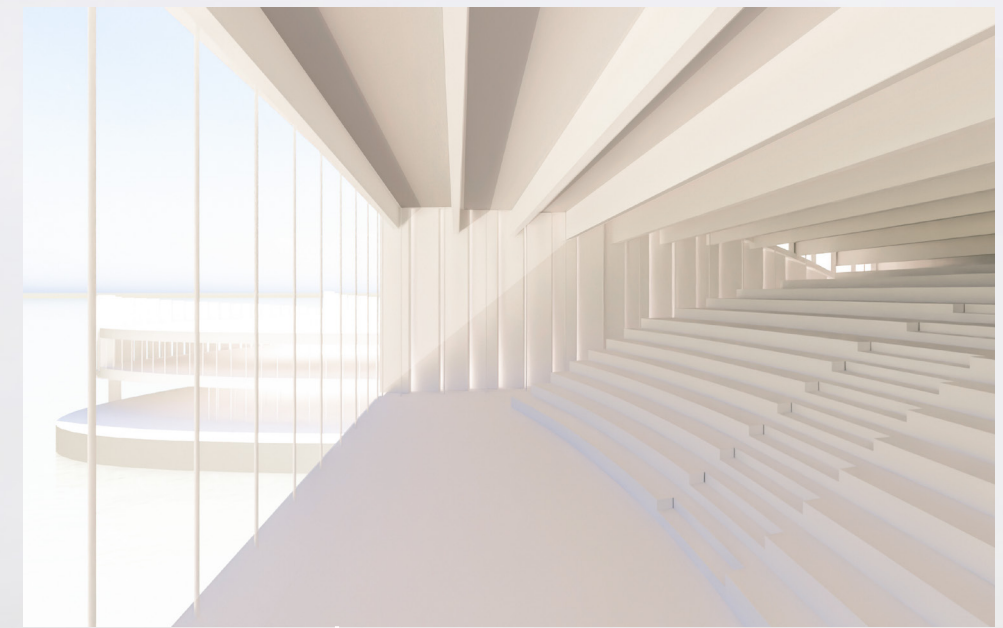
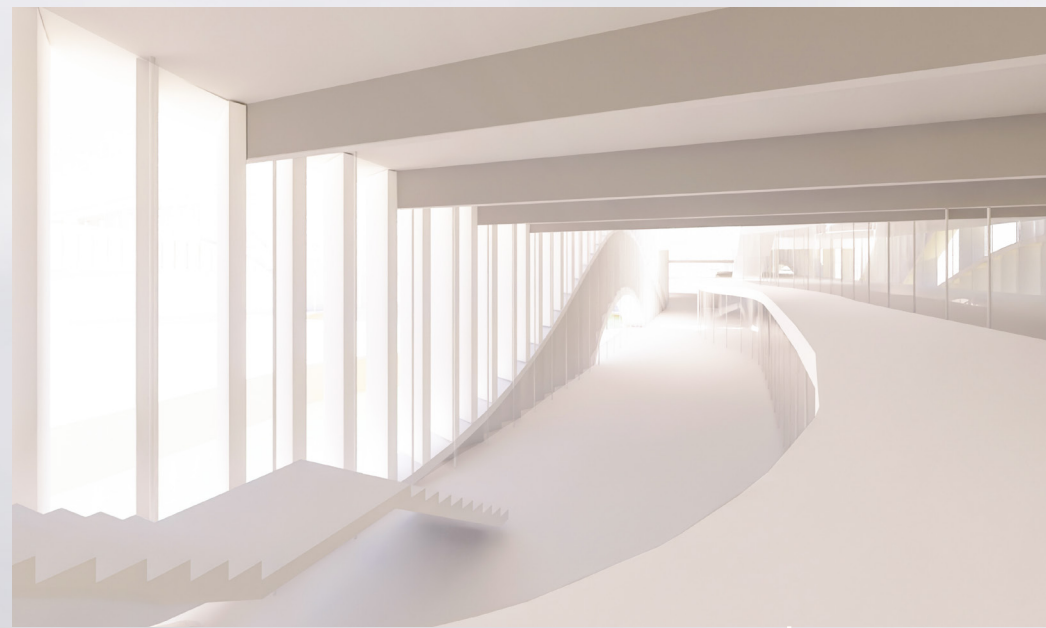
Barcelona's **coastal connection defines itself as one of the city's core determinants** of its growth. This importance has given the coastal areas their own identity, separate from the rest of Barcelona as the most progressive and modern part of the city, constantly changing with new technologies and innovations. The overall composition of the building extends from the promenade into a cradle for knowledge on the water, open and accessible to all who look to learn about or appreciate the coastal ecology of Barcelona. This project introduces a new hub of interaction on the beach while fitting in thematically to the existing surroundings of the Mediterranean Sea as a marine research center, that the community at large has the opportunity to interact with, and a place where the public and university students can take classes at, with the organization of the building reflecting the 3 main uses, with **3 different branches for community space, professional space, and educational space.**



04: Plans + Diagrams

The Community Marine Center creates a modern sea campus between the historical landmarks of the 2004 cultural exchange and the 1992 Olympics campus in **harmony with the distinct architectural and industrial styles along Barcelona's coast**. offering opportunities to practice and learn marine sciences. The circulation through the building creates a series of loops, from the scientific wing to the educational island, to the community branch, and back again. This organization offers relative freedom both inside and outside the building, allowing visitors to explore the interiors and exteriors, with an inhabitable roof providing panoramic views of the ocean and city. The footprint and design of the building are also designed to protect the center island from the wind, sun, and waves. The Scientific wing acts as a breakwater and a wind wall, while the community branch protects the island from the harsh sun, creating an oasis on the coast.





05: Section + Vignettes

A system of columns fuse into the facade of louvers, solarly oriented to maximize sun from the north and shade the southern facing interiors. These louvers anchor onto a flowing weave of frames, creating a **series of trusses** that allow the structure to curve from the ground up into cantilevers. Between the trusses span thick steel beams that give the building an open interior, creating double and triple-height spaces that make seamless circulation between levels.

