

TYLER GORDON
ARCHITECTURAL PORTFOLIO

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A WOODEN BOAT
BUILDING SCHOOL

RATIONALIZED LEARNING

STUDIO 03 / FALL 2023





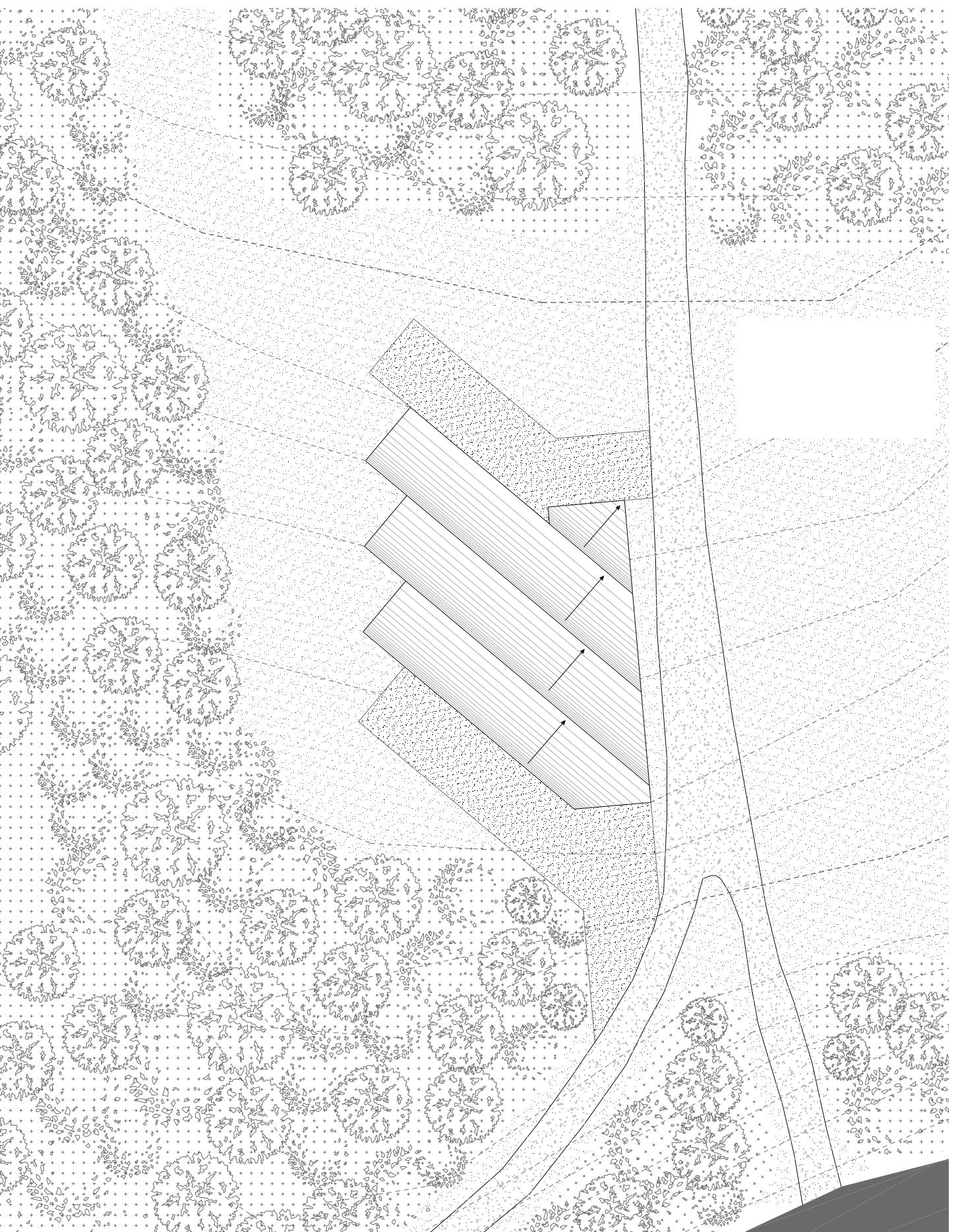
MODEL PHOTOGRAPHY

PROJECT: RATIONALIZED LEARNING

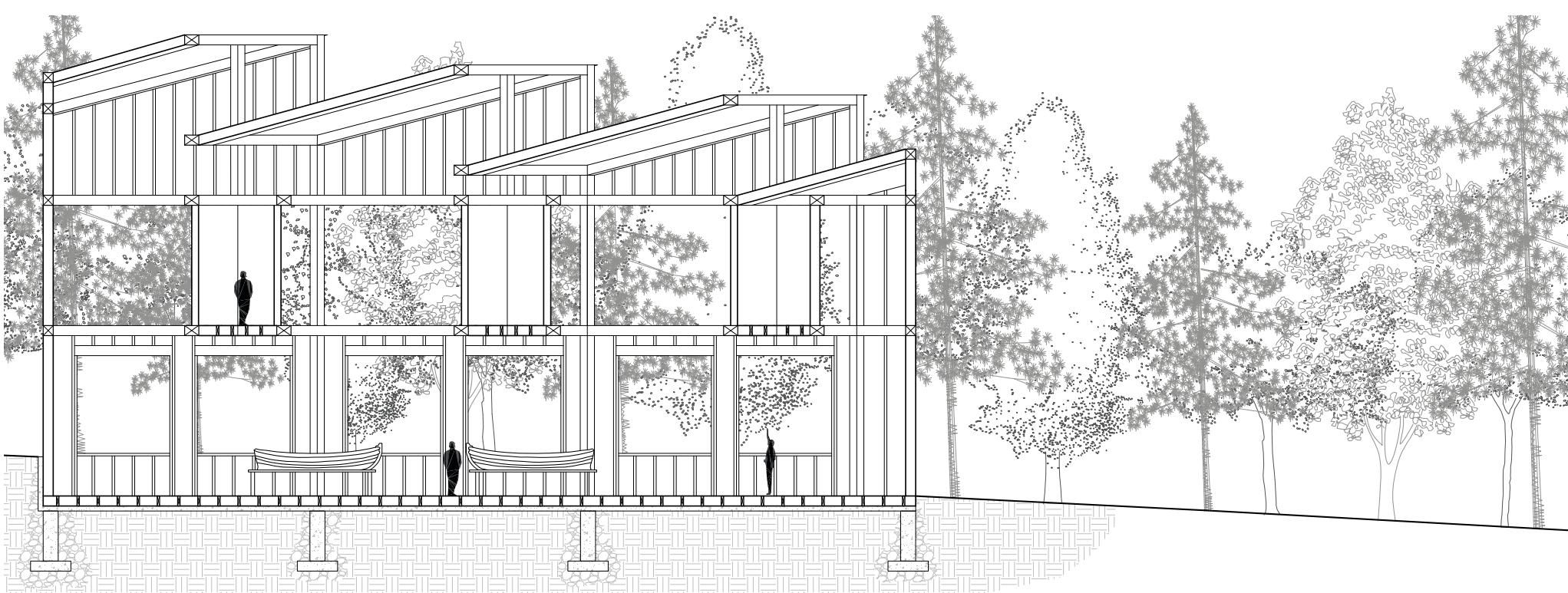
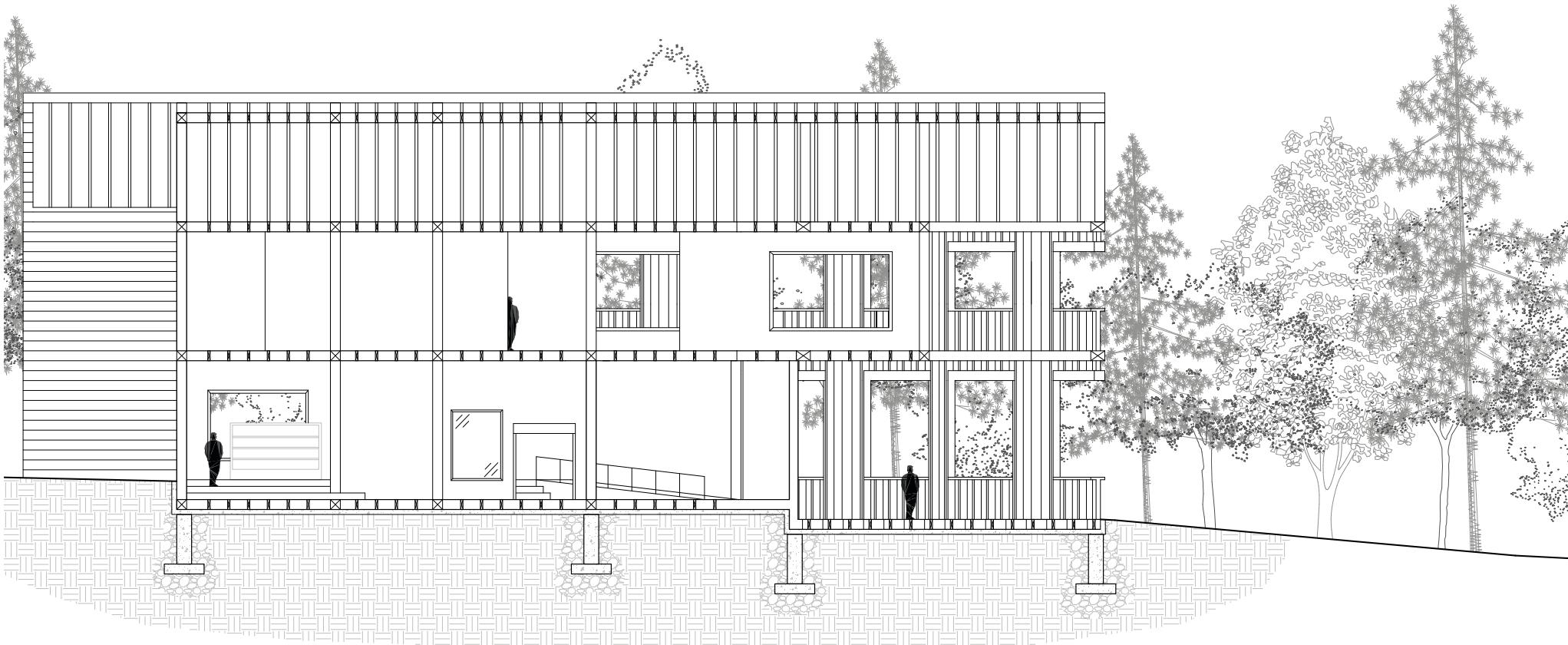
CLASS: STUDIO 03

Assembled by hand using basswood sheets and dowels, this fragment model of the boat-building room quickly becomes materialized. Supported through intricately placed framing techniques, the diffusion of light across the model adds great depth.

Highlighting the main room where this school practices the craft of constructing wooden boats, this model illustrates the focal rectangular form of the construction process. On the second level, angled protrusions form overhangs above the building room, allowing viewers or students to observe the process first hand.



PROJECT SECTIONS



With a goal of constructing a new building for the WoodenBoat Building School in Brooklin, Maine, a complex consisting of a program dedicated to the process of physically crafting a wooden boat is proposed.

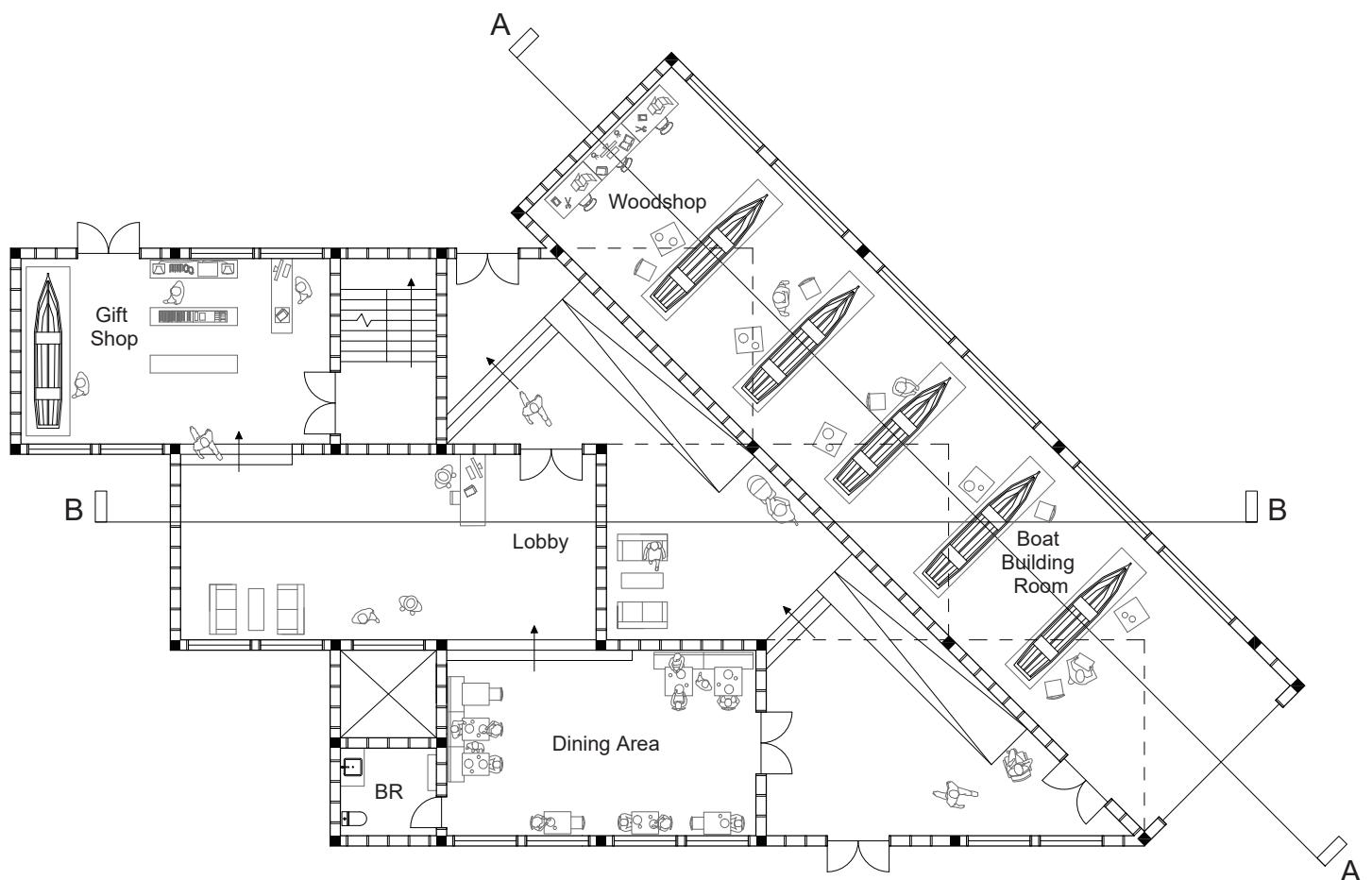
Sitting on a coastal site just feet away from the Atlantic, the strongly sloped hillside that the project sits on is enveloped by miles of forests and nature. Being deliberate in not disturbing too much of the preexisting greenery, the project is proposed to sit in an already cleared field on the schools campus.

The building itself is completely composed of heavy timber framing, using nearby trees to complete the boat building process, a theme of lumber is apparent throughout the school. In order to combat the slope of the site, the first floor steps down with the terrain so to not excavate and disturb the site.

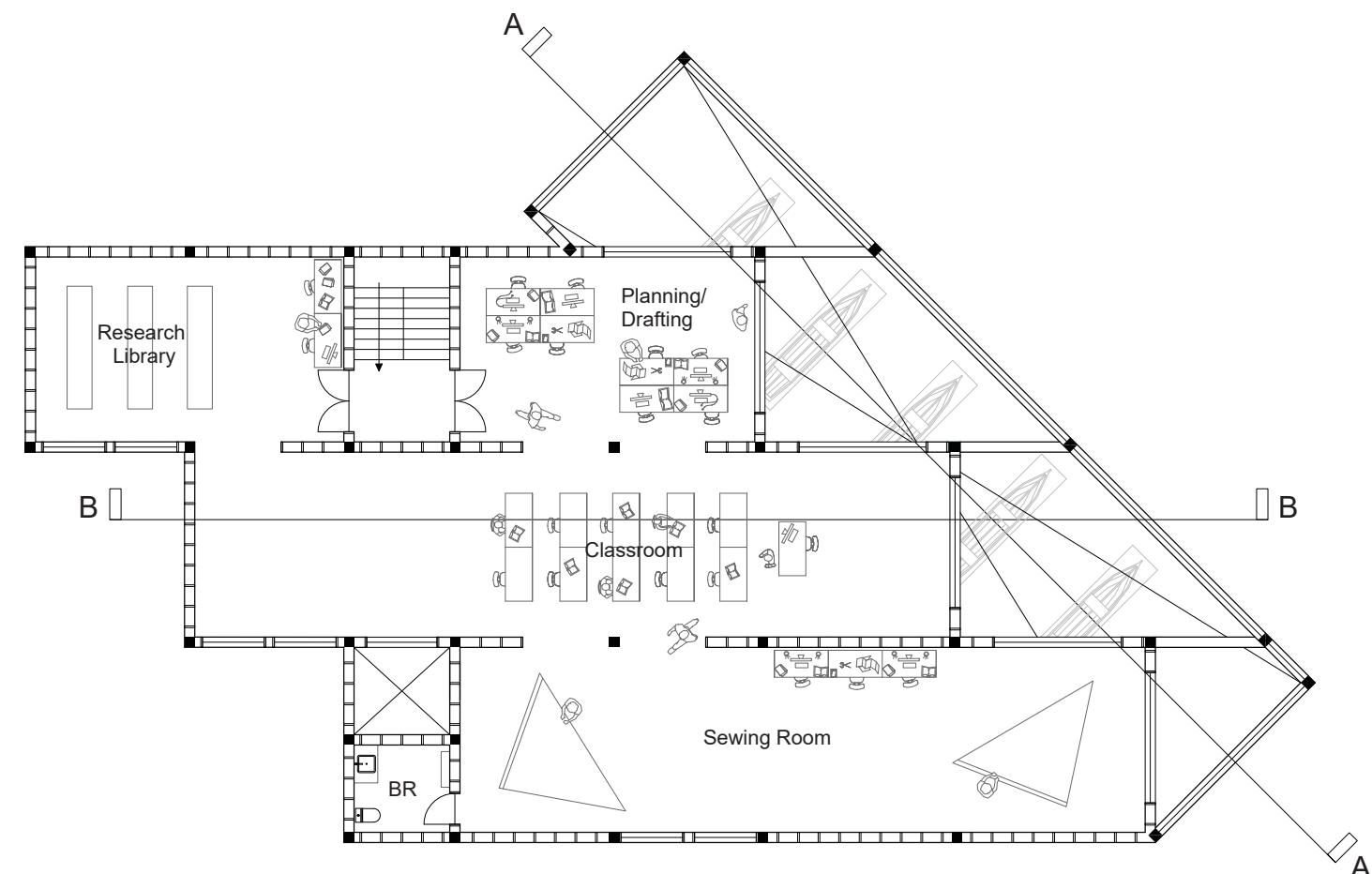
The process of making a boat is physicalized through this project. Divided into the aspects of learning physically (Through building) versus learning mentally (In a classroom), the program of the building forces its users to traverse the rooms in such a way that they follow the steps in the craft of making a wooden boat.

Meant to reference a traditional industrial mill in terms of form, the building can be derived into four main rectangular forms. Three of which are parallel, yet staggered with a fourth form intersecting the rest at a 45 degree angle. The fourth form is the main boat building room, and this overlap allows sight down into the room from the above forms. The sawblade roof brings in a warming light through the forms as it runs along the length of the project.

PROJECT PLANS: FIRST FLOOR



PROJECT PLANS: SECOND FLOOR



PERVOLIA RESIDENTIAL PROJECT

EXTRACARRICULAR PROJECT / WINTER 2024



PHOTO: ERNESTO C.

PROJECT: Pervolia Residential Project

DESIGN FIRM: Efimero

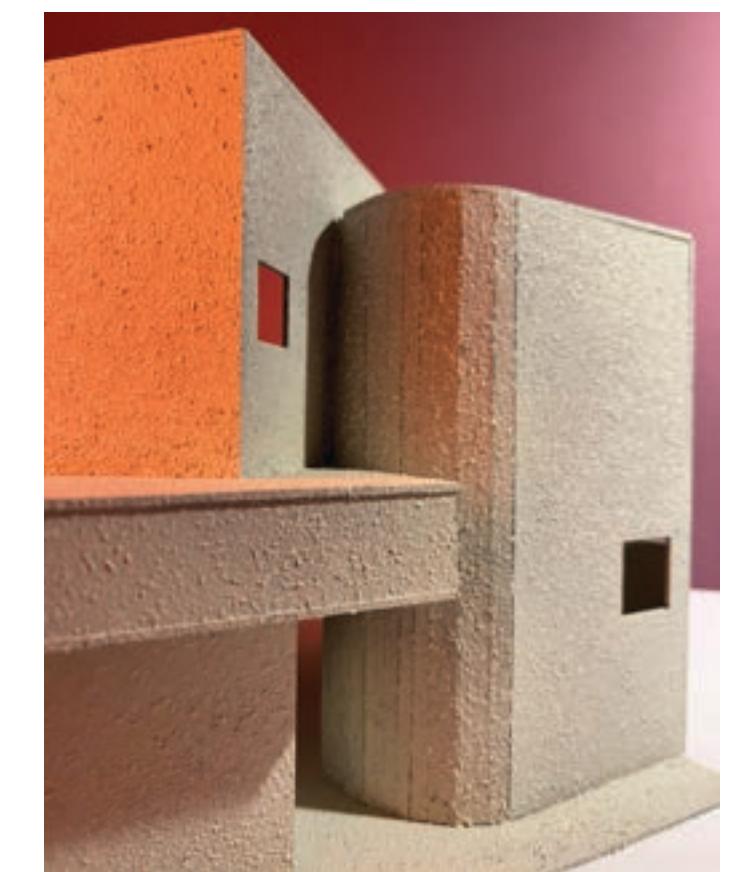
LEAD DESIGNER: Ernesto Carvajal

POSITION: Model Production

MODEL PHOTOGRAPHY

Constructed for an ongoing housing development project in Cyprus, these fragment models were created to illustrate key moments found in each buildings form.

Assisting with the physical production of the models, several techniques were implemented in order to define the proper materiality and lighting of the buildings.

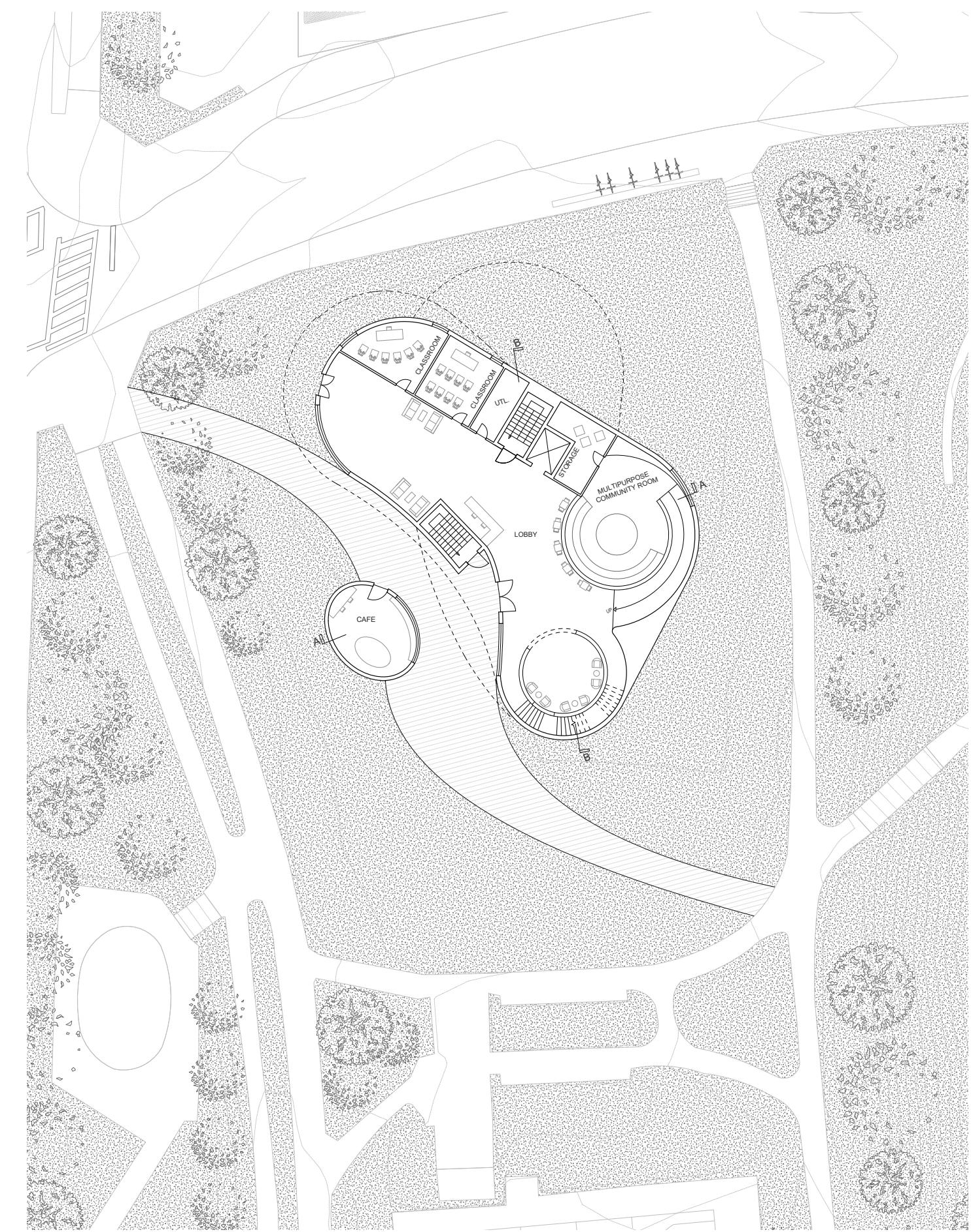
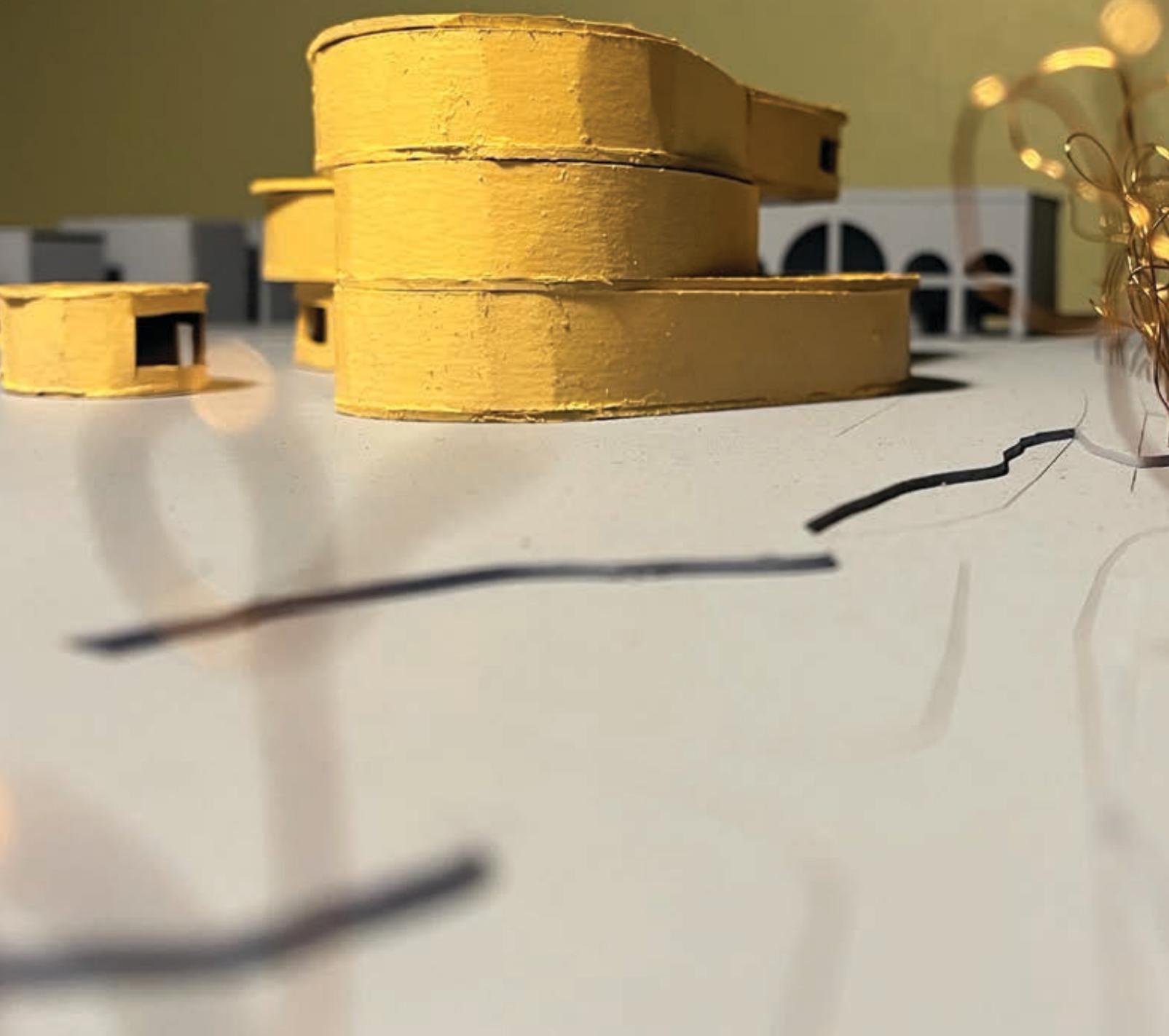


PHOTOS: ERNESTO C.

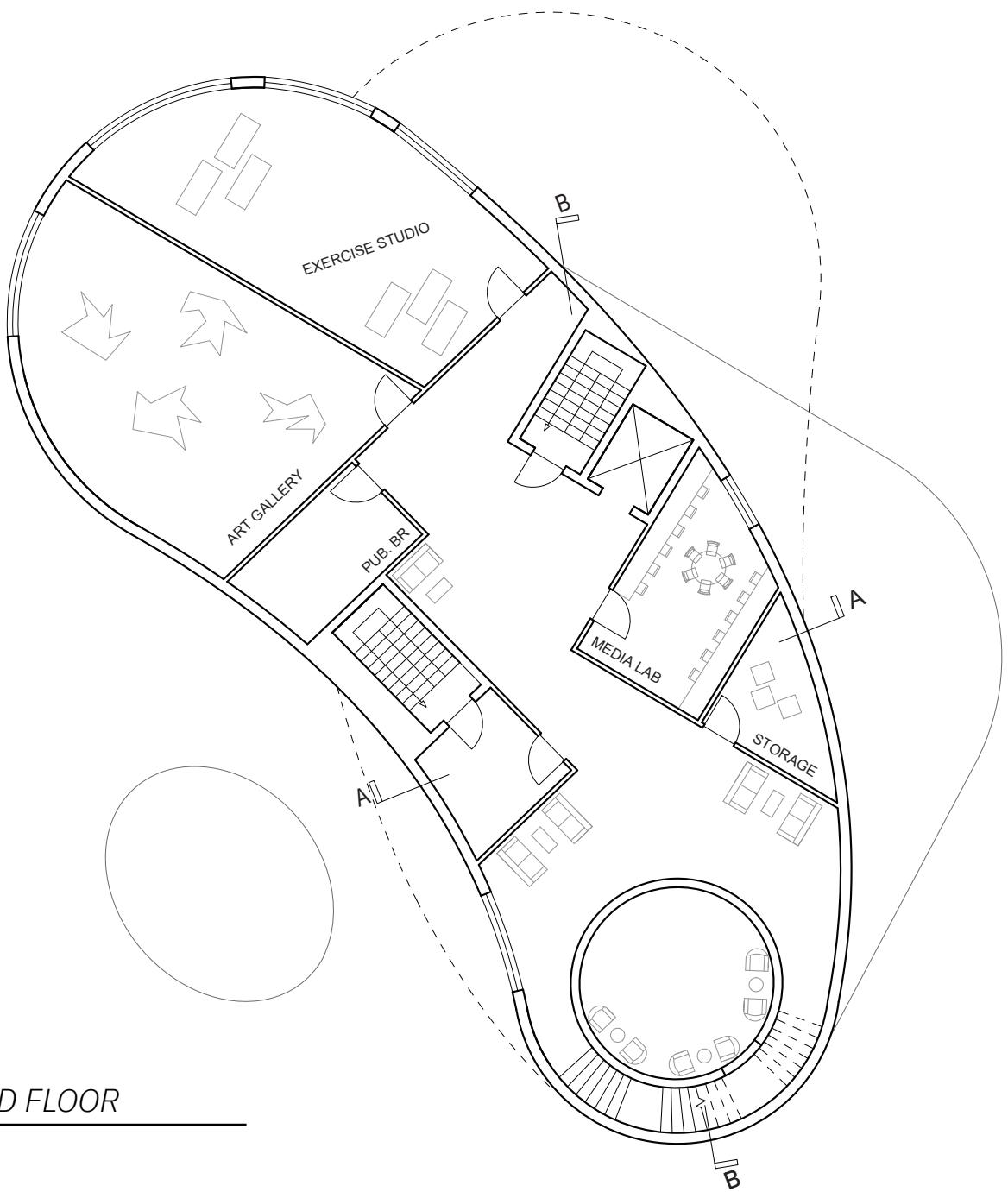
HORACE MANN SCHOOL FOR THE DEAF AND HARD OF HEARING

AMOEBOIC ASSEMBLY

STUDIO 03 / FALL 2023



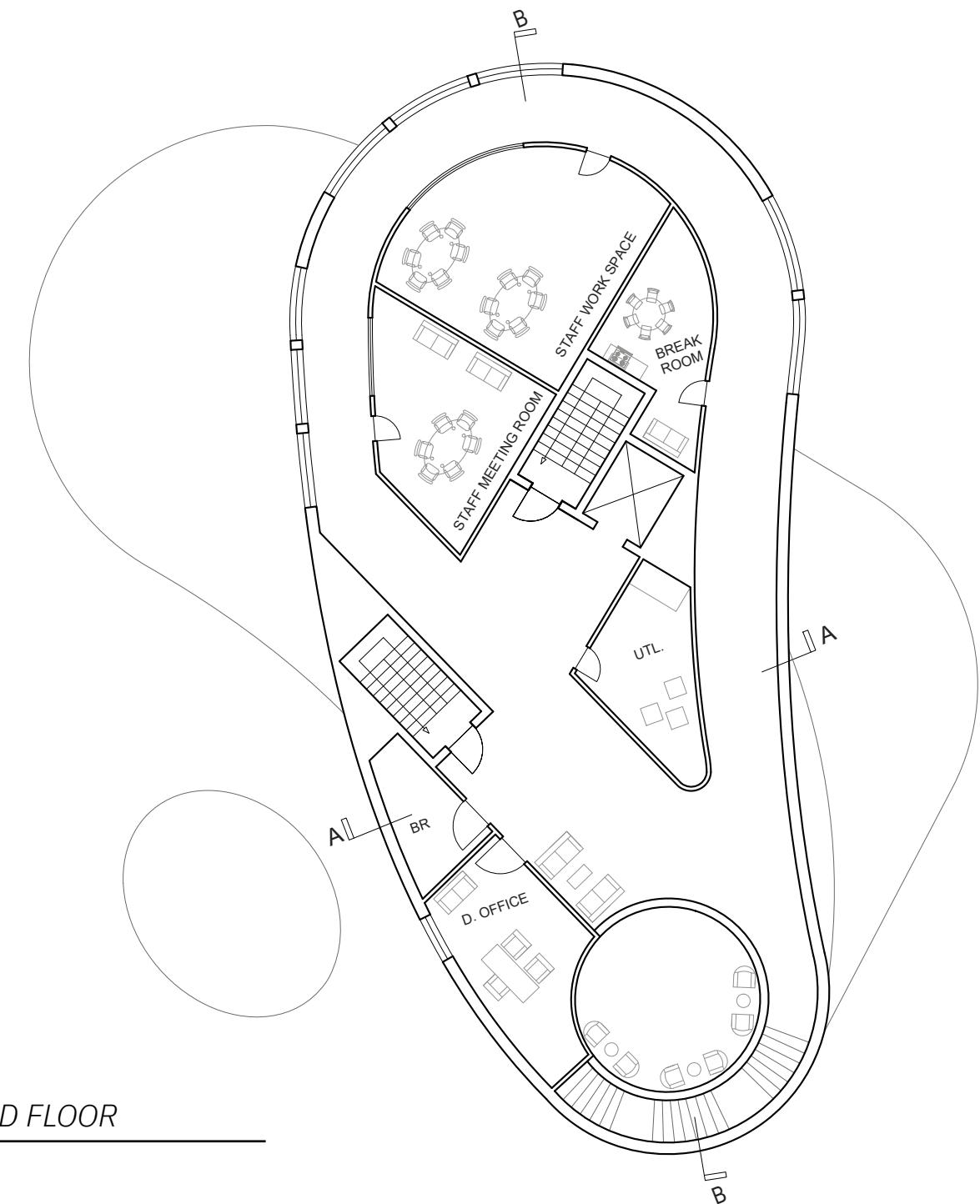
FLOOR PLANS



SECOND FLOOR

With a site located directly above the MBTA orange/commuter rail lines, this project aims to serve as a community center for those hard of hearing. Built in accordance with Gaullidet Universities “Deafspace Guidelines”, the project emphasizes long, open sightlines and curved features to best support those utilizing the space.

The overall placement of this project acts in response to the various approaches possible when visiting the site. Taking into account the circulation paths of pedestrians and vehicles, opportunities to cross the site and engage with the project are suggested.

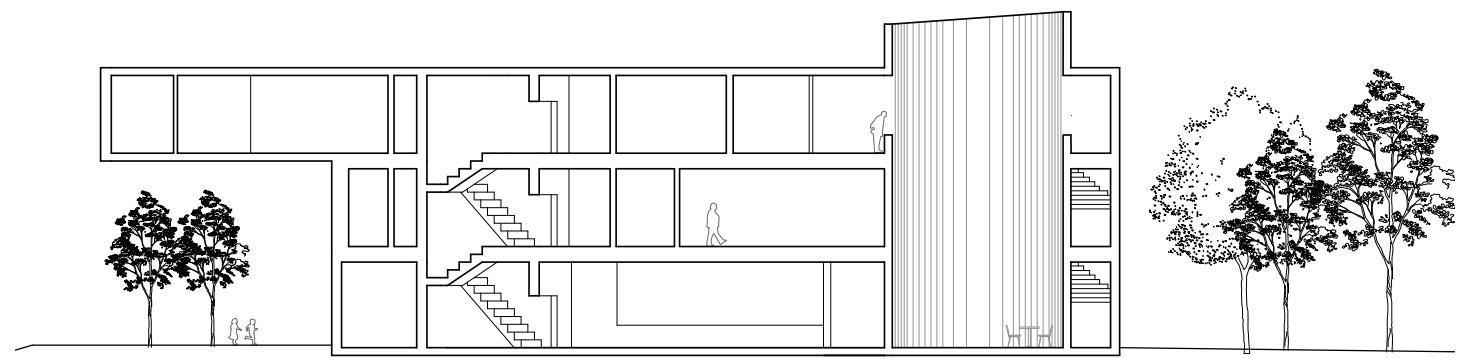


THIRD FLOOR

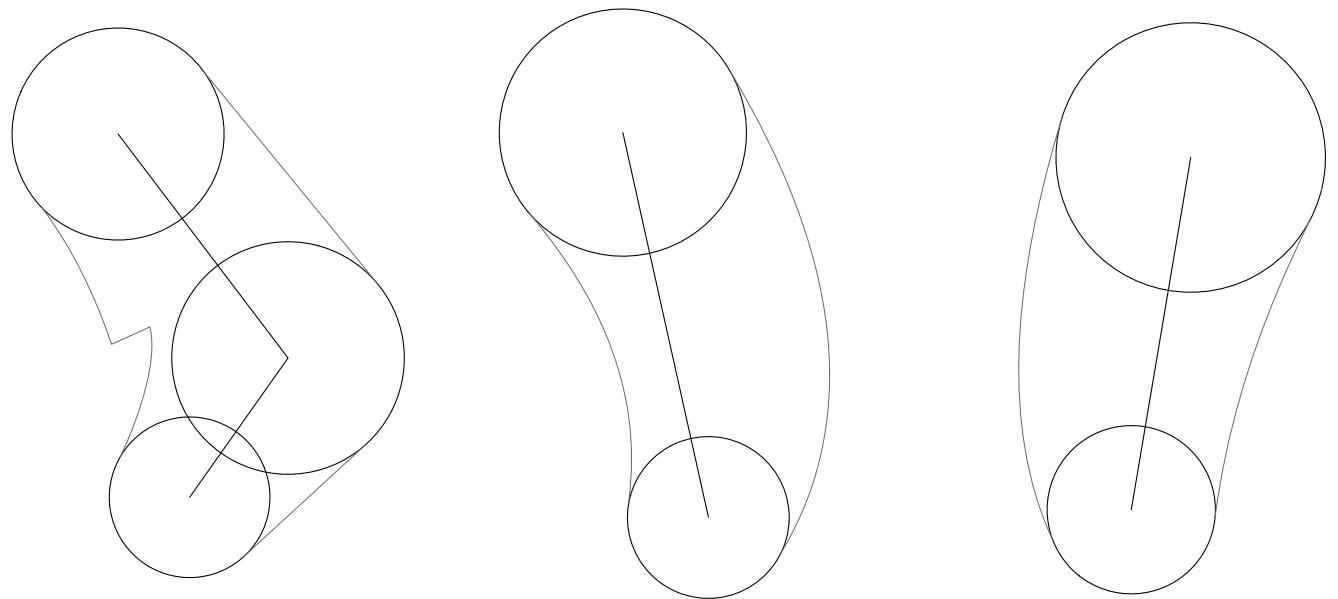
Seemingly ‘amoebic’ in structure, the three-teired project is composed of curving plans resulting in overhangs and views in and around the existing public park in which the project exists. On the exterior, a concave path of circulation wraps around an isolated cafe space, inherently creating an embedded program for exterior engagement.

A spiral staircase acts as a point of pivot for the extending floors, acting as a connection for circulation through all floors. Atop the atrium sits a skylight, providing an appropriate amount of light for clear sight when auditory senses are lacking.

SECTIONAL VIEWS



GEOMETRIC FORM DERIVATIONS



ODUNPAZARI MODERN ART MUSEUM PRECEDENT STUDY

STUDIO 03 / FALL 2023
A Collaborative Effort with Abby Borges



ODUNPAZARI MODERN ART MUSEUM PRECEDENT STUDY

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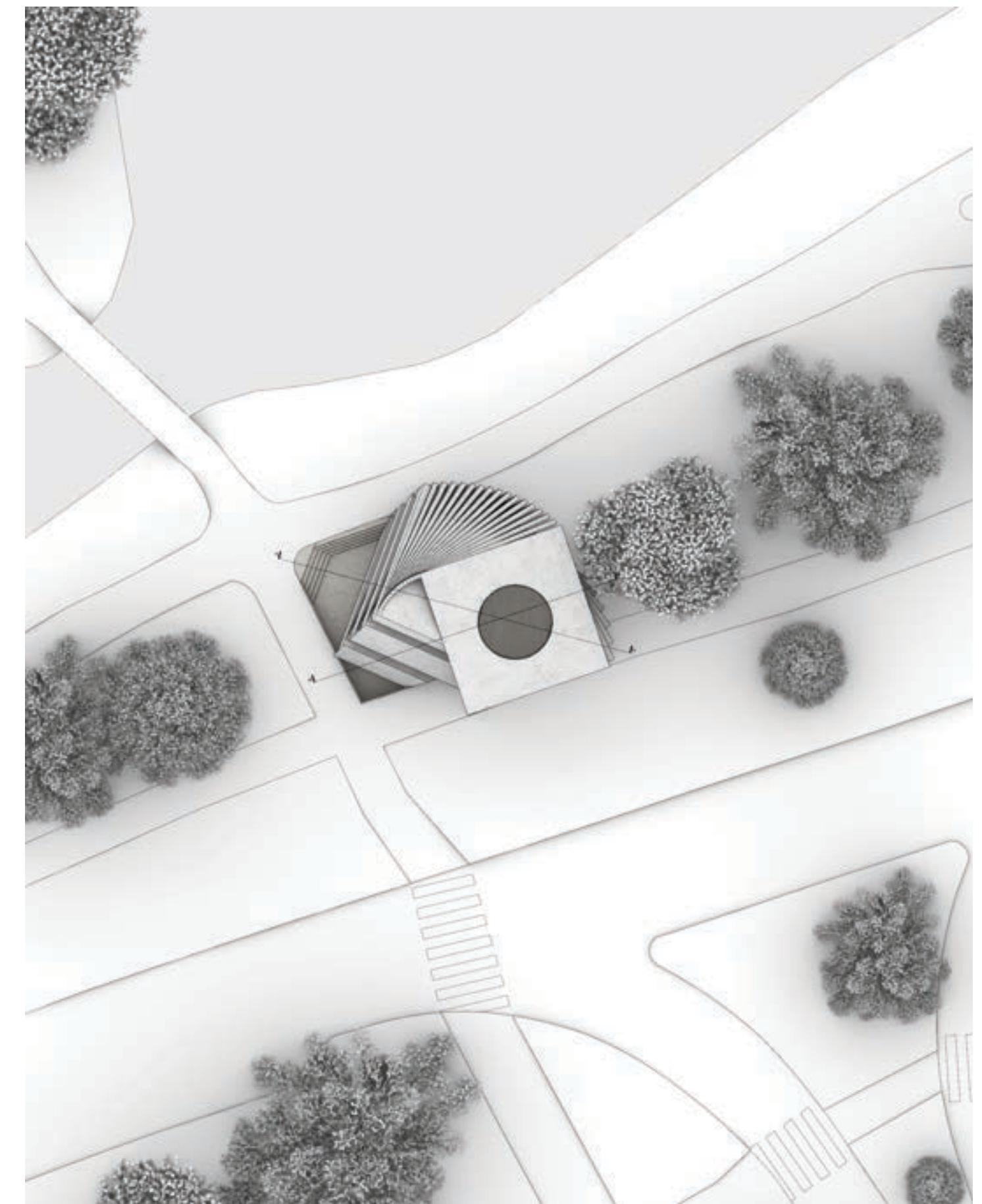
The goal of this precedent was to study an existing example of timber being utilized in innovative methods. Capturing the central atrium of the Odunpazari Modern Art Museum in Eskisehir, Turkey, by Kengo Kuma. The intricate stacking and spiraling of the main atrium was the emphasis of this study, taking away the unique forms possible as a result of using timber elements.

Simplified to $1/16" = 1'$, this sectional model demonstrates the effects of materiality, lighting, and form on the atrium's design. Due to the slatted design of the logs, light is allowed to seep through small cracks and gaps fitted between each layer.

The model was constructed with basswood sticks in an attempt to mimic the grain of the laminated wood found in the real project. Chipboard and acetate were also used sparingly.

PERFORMANCE: CUBED AN EXPERIMENTAL ANALYSIS

STUDIO 01 / FALL 2022

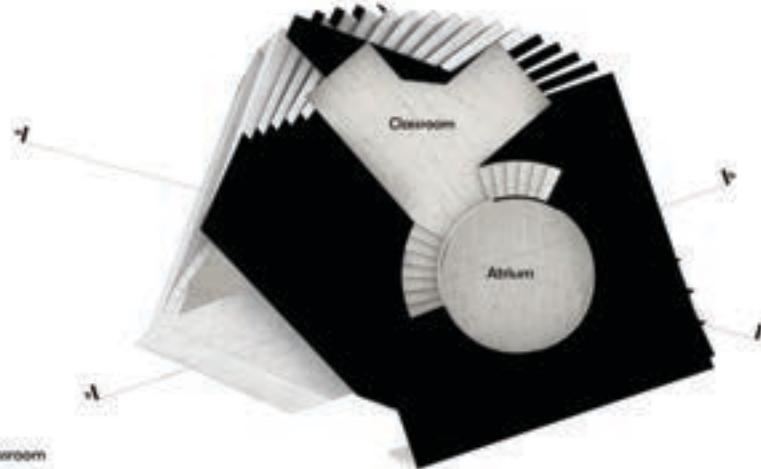


PROJECT FLOOR PLANS



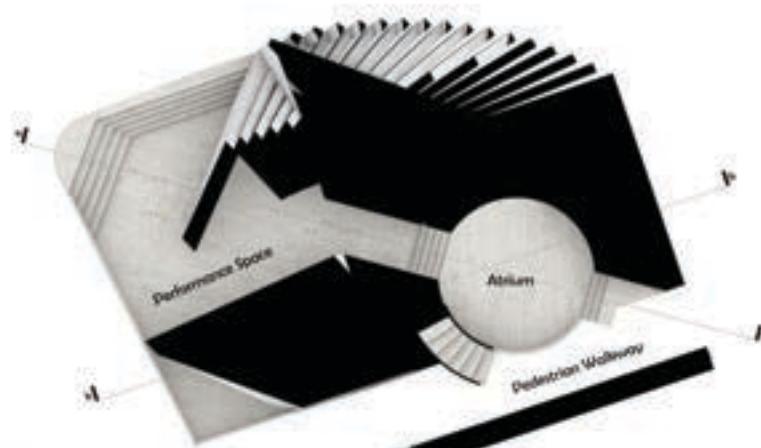
32 - Gathering Room

An extremely experimental take on a building, this project was materialized from a previous creation of a plaster-formed cube. Arraying this cube about an arbitrary line resulted in the ‘fanning’ form present. Using subtractive methodologies, program was developed.



31 - Classroom

Located on a riverside slope along a major walking path, this project acts as a community center, housing social spaces and classrooms. A below-grade performance space wraps around the paths nearby.



30 - Ground

The skewed form of the project intends to act as a monumental project to the area, due to its abstract geometries. Opposing this untamed form, a solid, blank wall faces the street to drivers nearby. This duality between faces creates a tension as well as different experiences depending on how users enter the site.

PROJECT PERSPECTIVES



PROJECT SECTIONS