



G A B R I E L T A M B L I N
P O R T F O L I O

*a collection of architectural designs and creative works
2019-2024*

PROJECT:

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← gabrieltamblin.com

Let all that you do be done in love.

01 DECK & OUTDOOR KITCHEN

859 Red Lane, Danville, PA

Daniel Feese

Summer 2022

Restorations by Dan

In collaboration with Daniel Feese, we designed and constructed a detached deck featuring an outdoor covered kitchen.

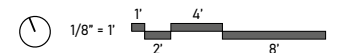
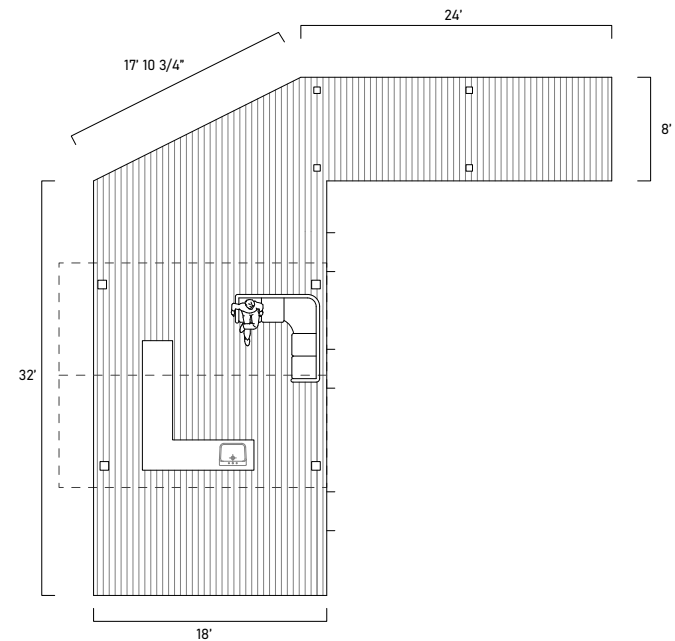
In the early stages, I produced a set of drawings which were then submitted to obtain a zoning permit.

These drawings illustrated that specific criteria and codes were met, such as setbacks, deck height, footer depth, and detached structure.

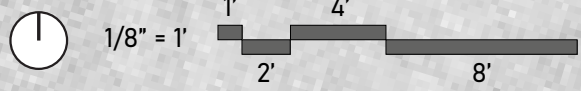
I was involved in various aspects of this project from start to finish, including the initial drawings, operating equipment, site preparation, setting footers, framing, electrical, plumbing, flooring, fencing, and kitchen installation.



859 Red Lane
Revised Deck Plan



859 Red Lane
Proposed Deck Plan



EXISTING SITE CONDITIONS



GROUND PREP AND FOOTERS



FRAMING



TREX COMPOSITE FLOORING



GABLE ROOF AND ZIP SHEATHING



RAILING



DECK TO WALL CONNECTION



DOG GATE & STAIRWAY TO MASTER



OUTDOOR KITCHEN



GABLE ROOF FRAMING



02 KEYS IN THE TREES

281 Osmond St, State College, PA

Prof. Rebecca Henn

Spring 2022

Arch 332

Hajjar Competition - Honorable Mention

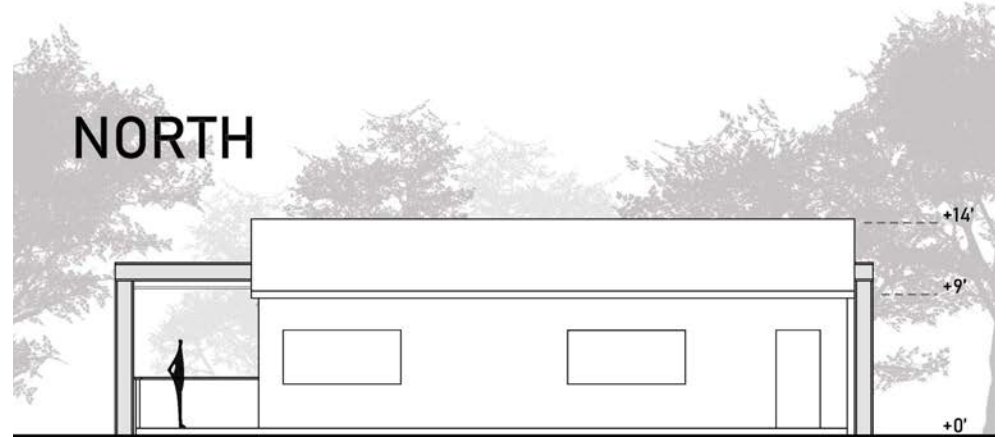
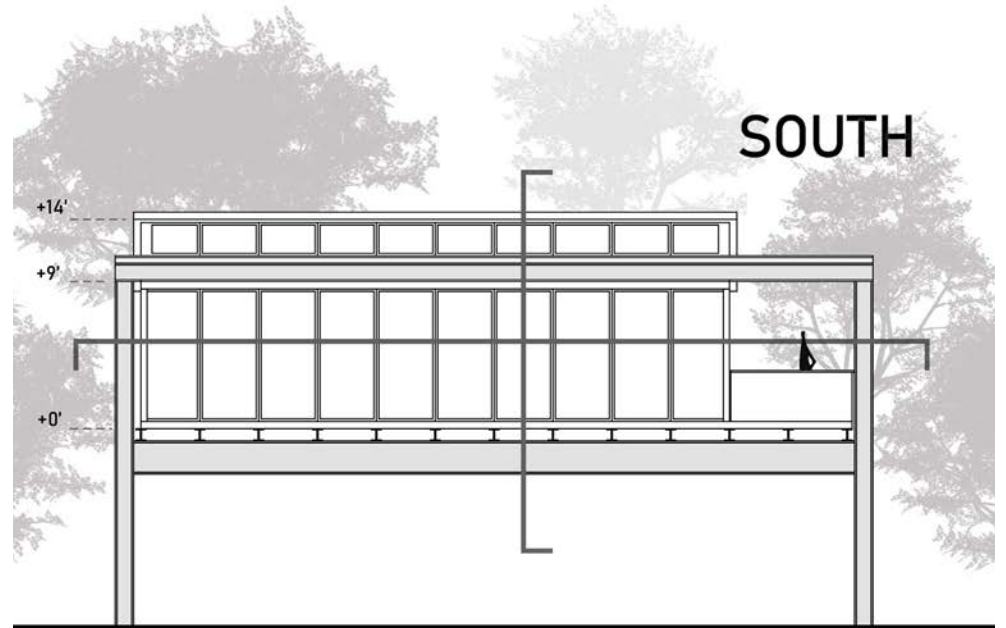
The 2022 Hajjar Competition called for the design of a residential home for an accomplished musician and professor at Penn State. This home needed to incorporate a space for small private concerts in addition to a living space.

For my design, located at the top of the hill for easy street access resides an accomplished pianist. Her dwelling appears humble from the street, but upon entering one is greeted by panoramic views and a piano overlooking the many trees scattered across the site. Wheelchair accessibility plays a major role in opting for a single-level home on such a steep site.

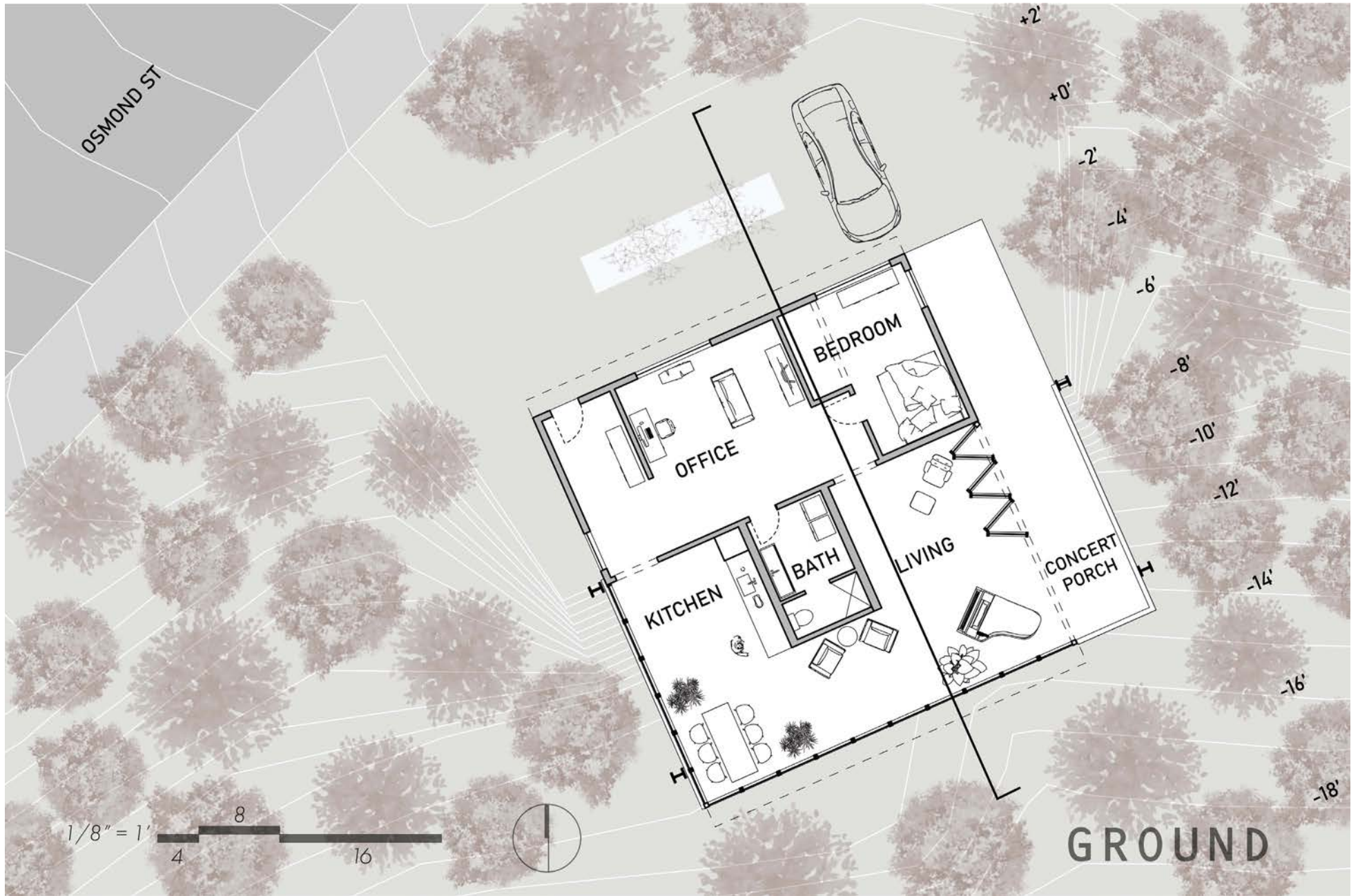
The home can be divided into two thermal zones: one being the living and concert space to the south, and the other being the bedroom and office to the north. The glass box is able to achieve extra thermal comfort and privacy by the natural shading of the trees in the hot months. Likewise, it takes advantage of the low-angled winter sun during the cold months.

In order to create even more space for small concerts with friends, a bifold glass wall system is implemented adjacent to the porch. This home serves not just as a functional space, but also as a place of inspiration, good company, and comfort.

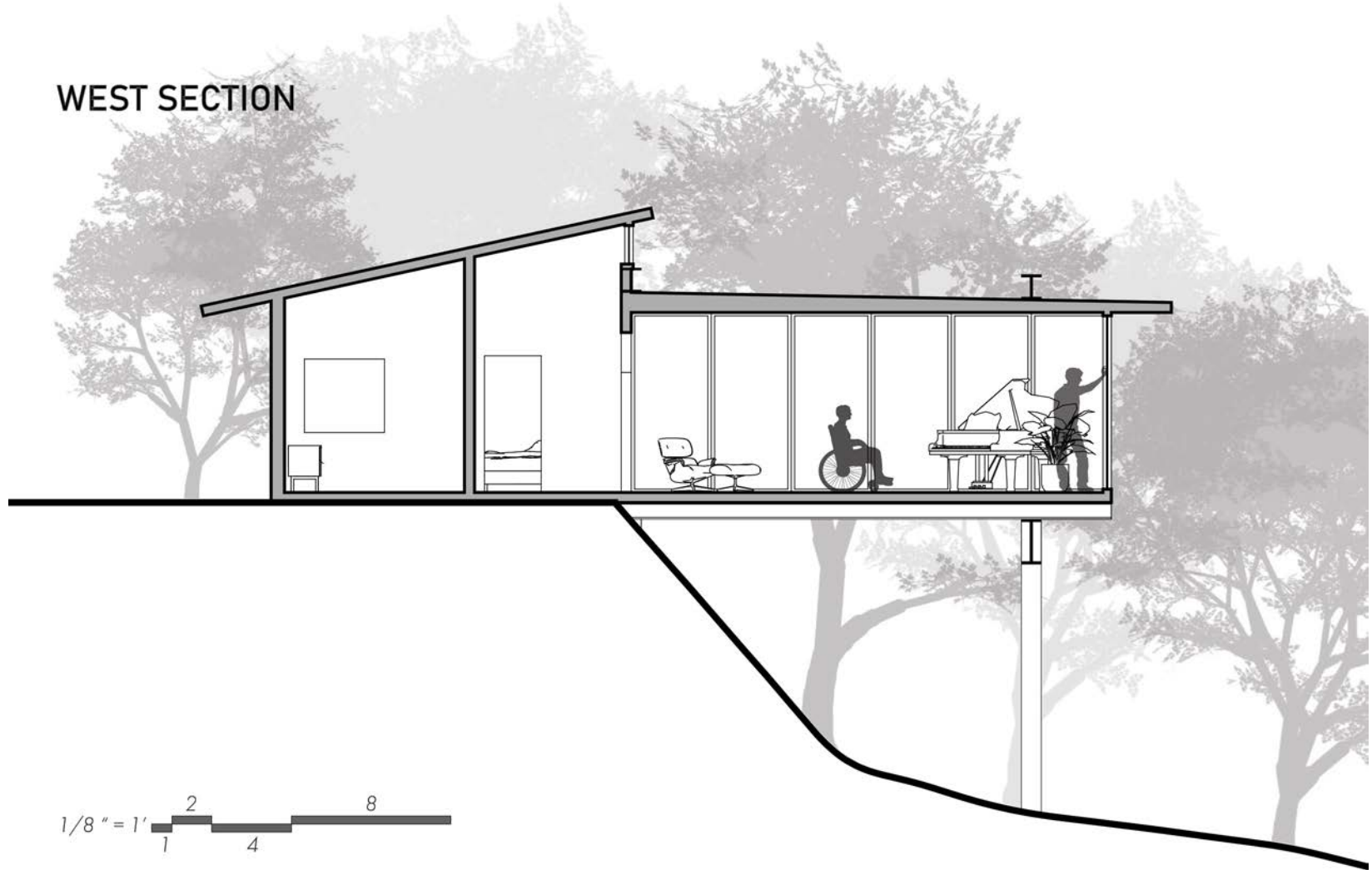
NORTH AND SOUTH ELEVATIONS



GROUND PLAN

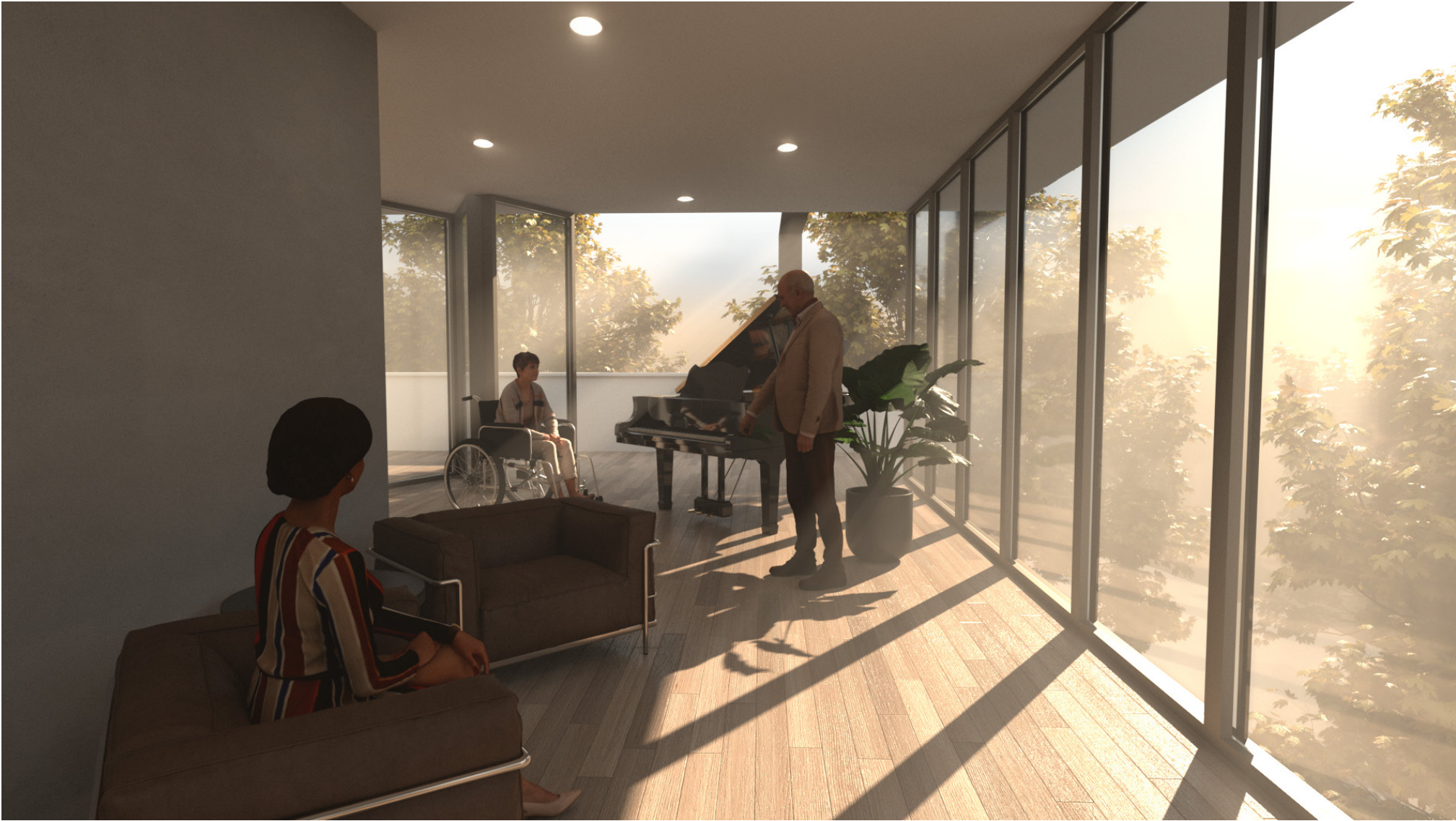


WEST SECTION



1/8" = 1'
1 2 4 8

INTERIOR LIVING SPACE



03 CENTER FOR CHAMBER MUSIC

Penn's Woods, State College, PA

Prof. Rebecca Henn

Spring 2022

Arch 332

Positioned alongside the wooded area just beyond the Penn State Arboretum, the building is strategically situated to harmonize with the natural environment and tranquil atmosphere of the site. Through the use of transparency, a window is created between campus and the wooded area behind the site.

The building is divided into two distinct volumes, one monumental box containing the recital hall and choral rooms, and the other housing residential spaces, practice rooms, and classrooms. This division separates the private living and learning spaces from the public performance areas.

The project features CLT and heavy timber construction with a tessellated metal panel facade.

Throughout the timeline of this project, considerations were given to the whole design process, including life safety, site design, structure, HVAC, lighting, acoustics, and passive design strategies.

COURTYARD
ENTRANCE



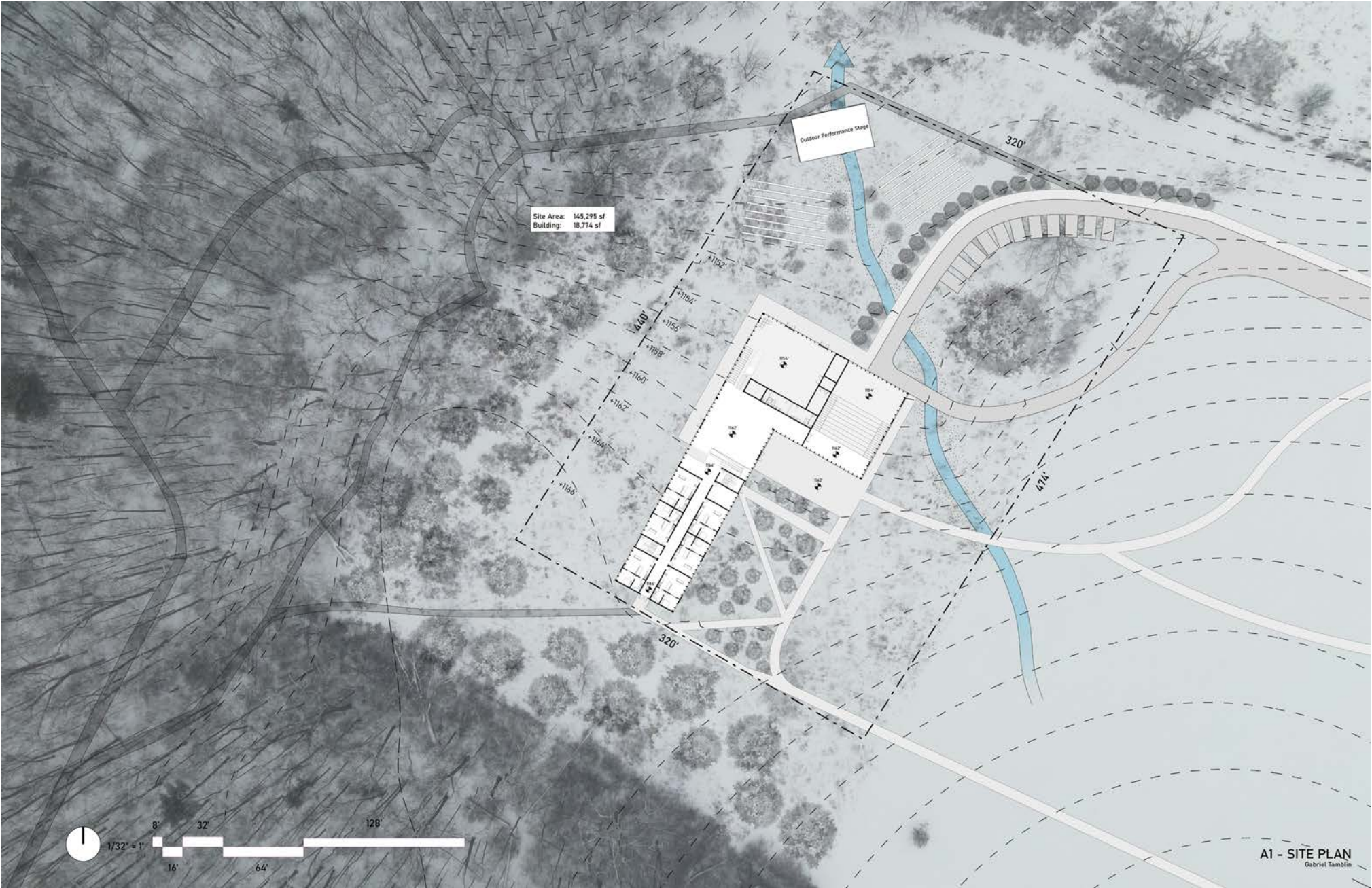
RECITAL HALL
FACADE



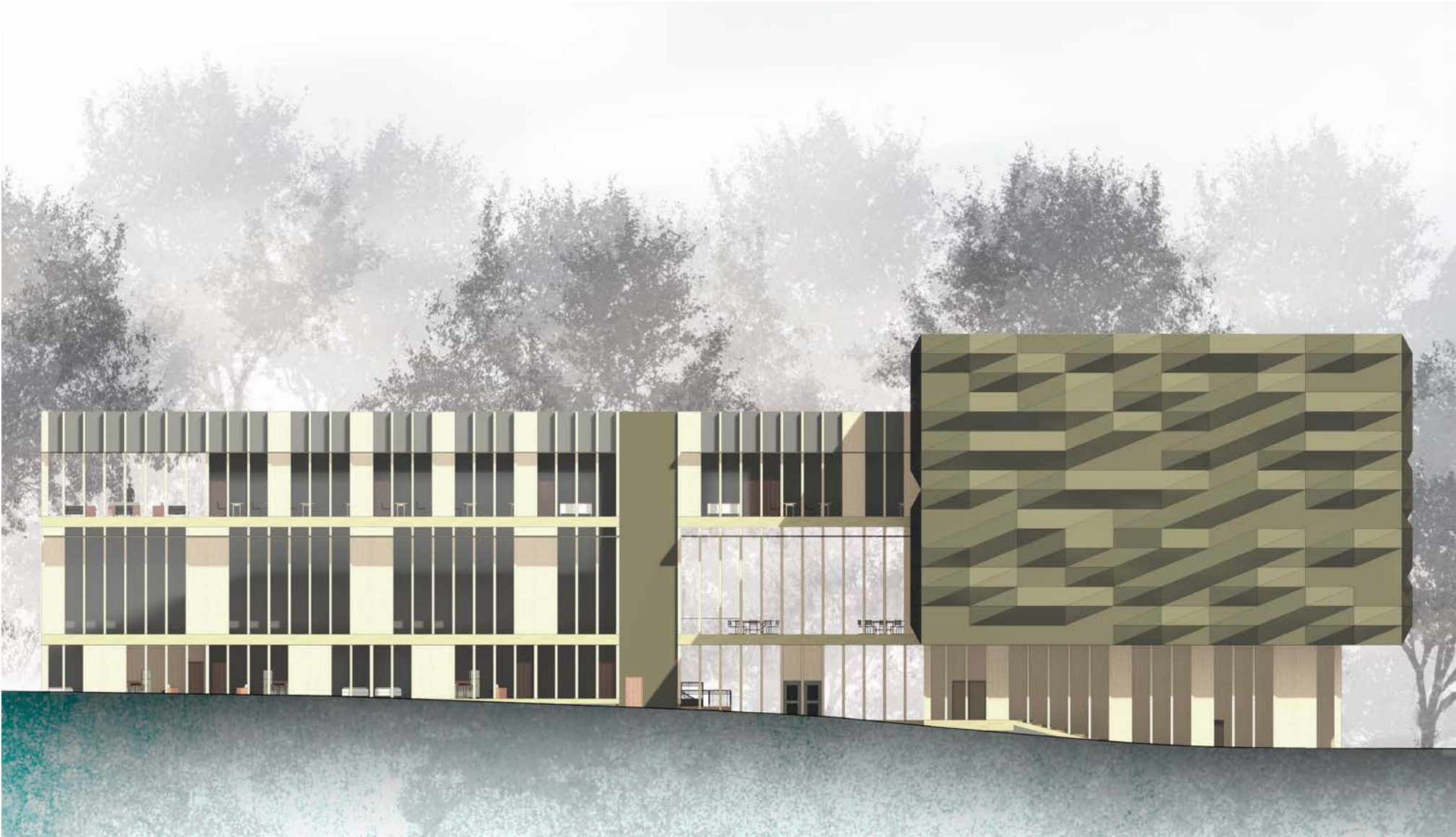
RECITAL HALL
INTERIOR



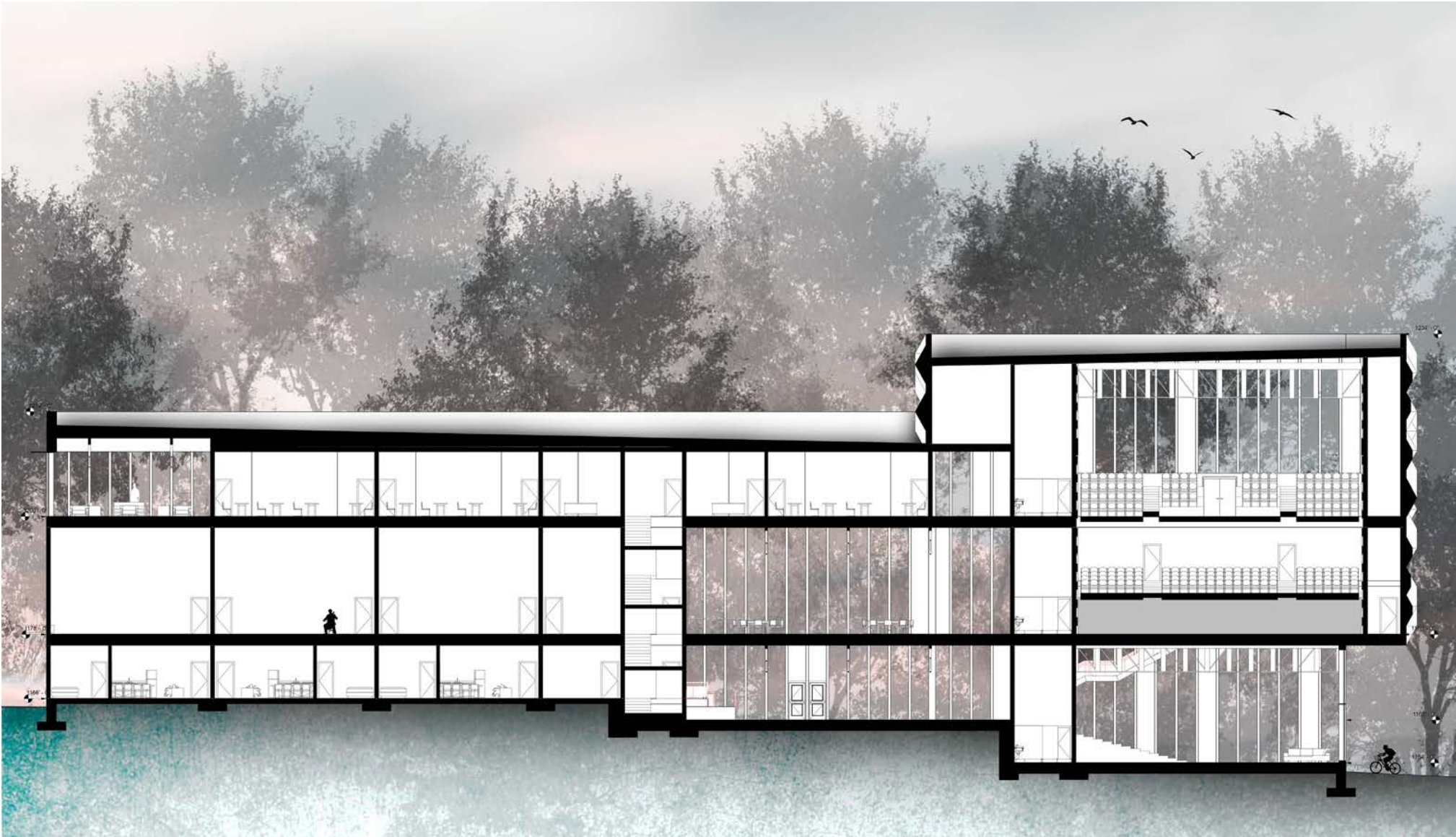
SITE PLAN



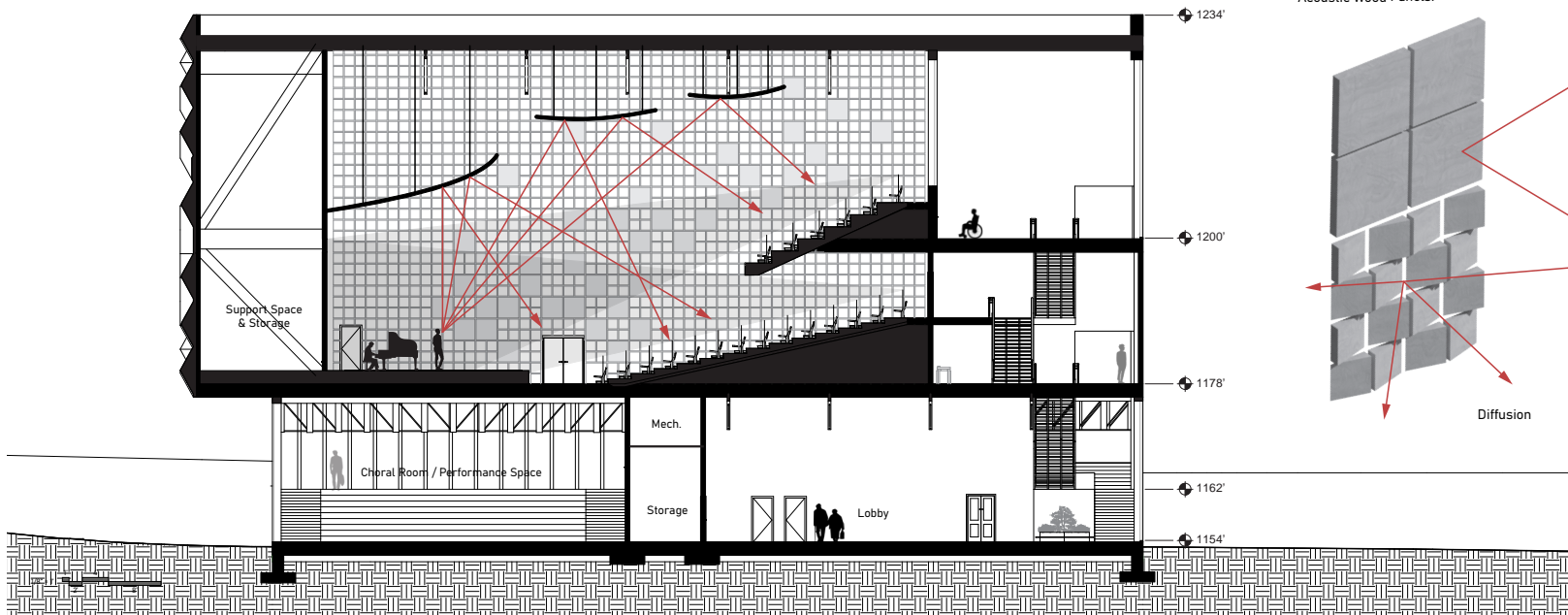
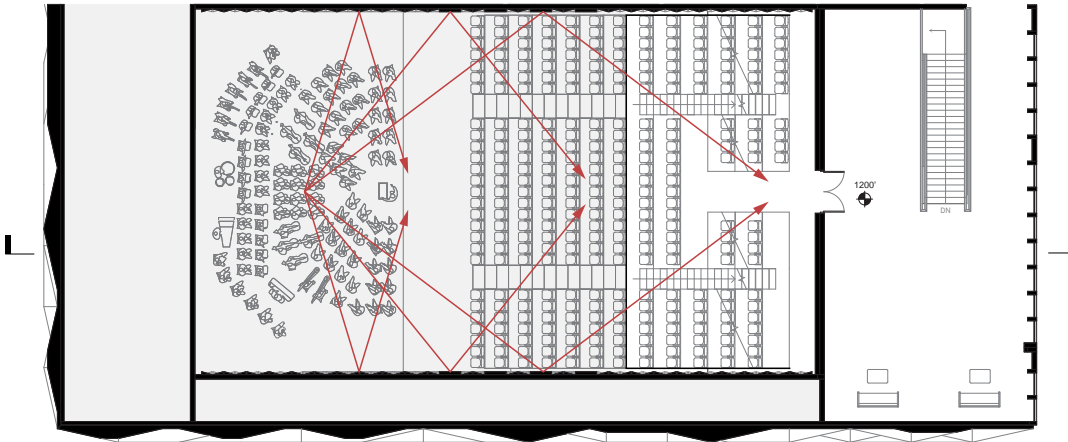
SOUTH ELEVATION



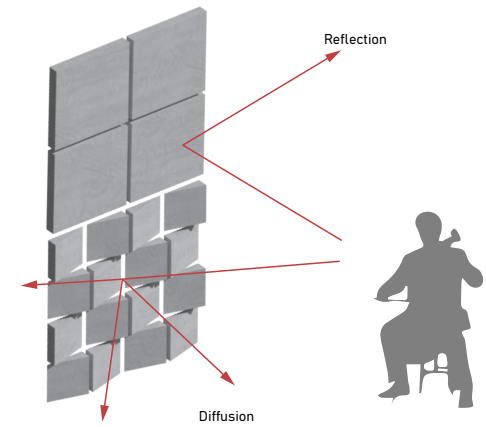
SOUTH SECTION



RECITAL HALL ACOUSTICS



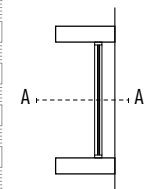
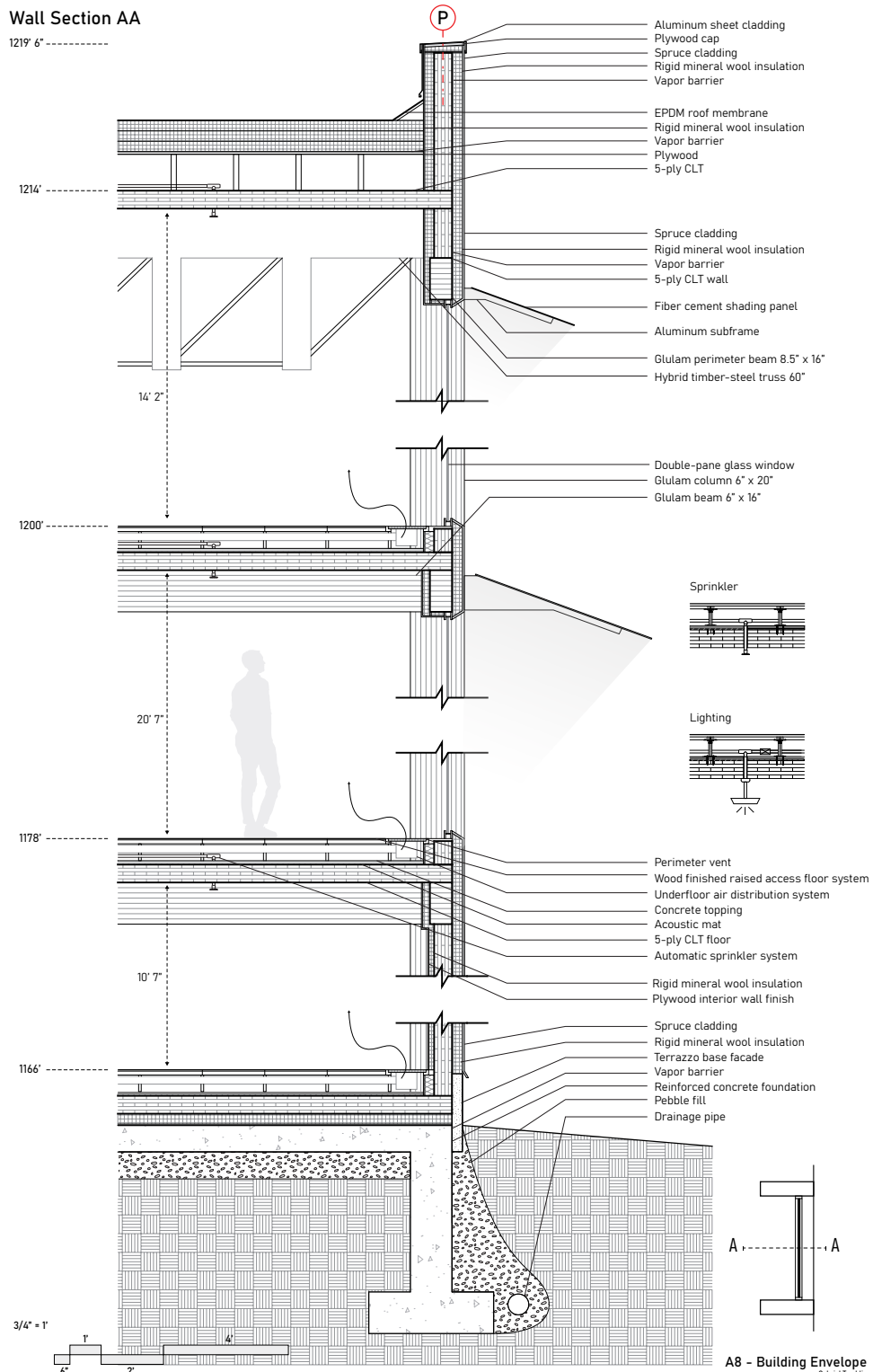
Acoustic Wood Panels:



A5 - ACOUSTICS
Gabriel Tamblyn

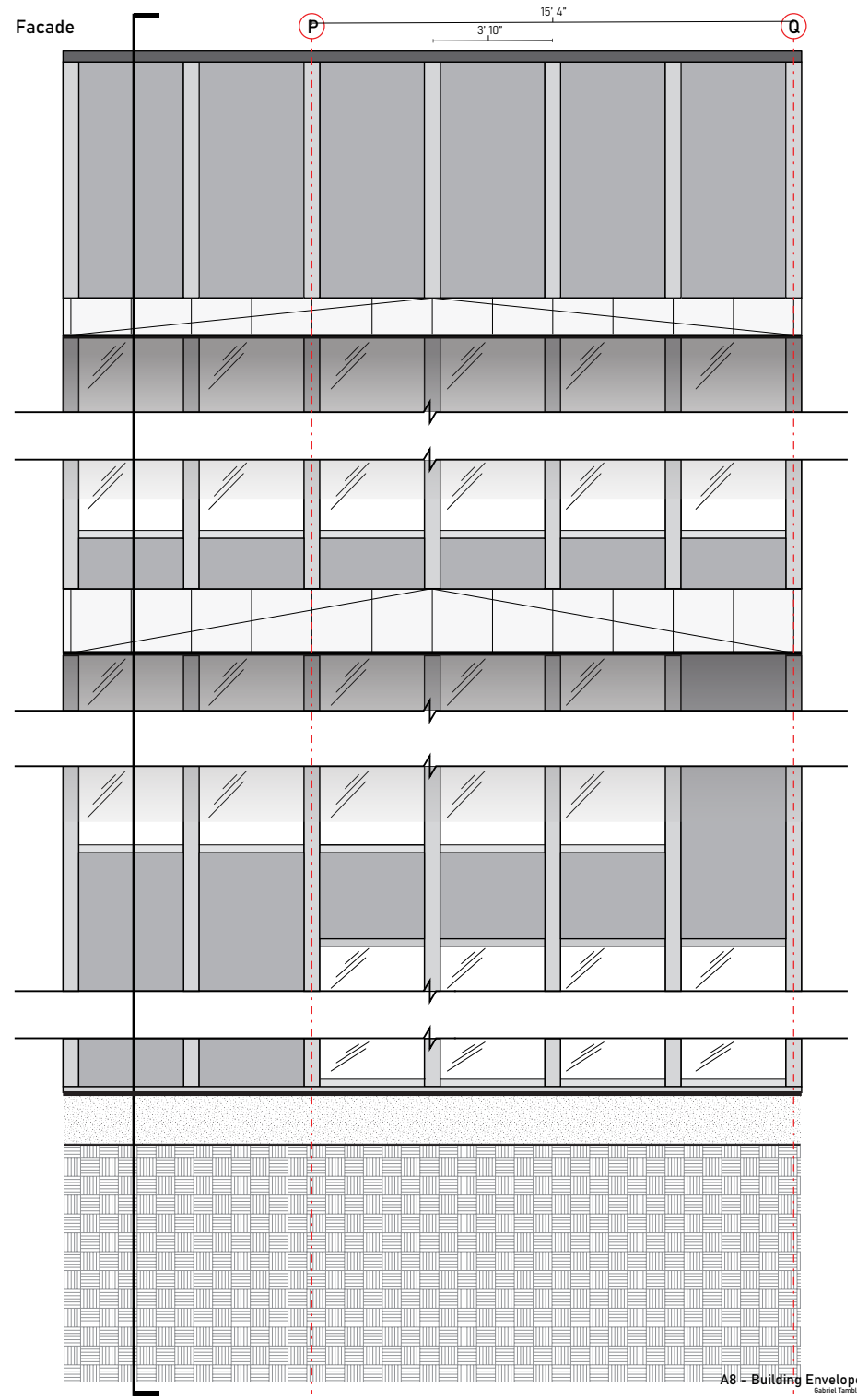
Wall Section AA

1219' 6" -----



A8 - Building Envelope
Gabriel Tamblyn

Facade



A8 - Building Envelope
Gabriel Tamblyn

04 PORTABLE HABITAT

Sonoran Desert and Upstate New York

Prof. Marcus Shaffer

Spring 2021

Arch 232

5 weeks

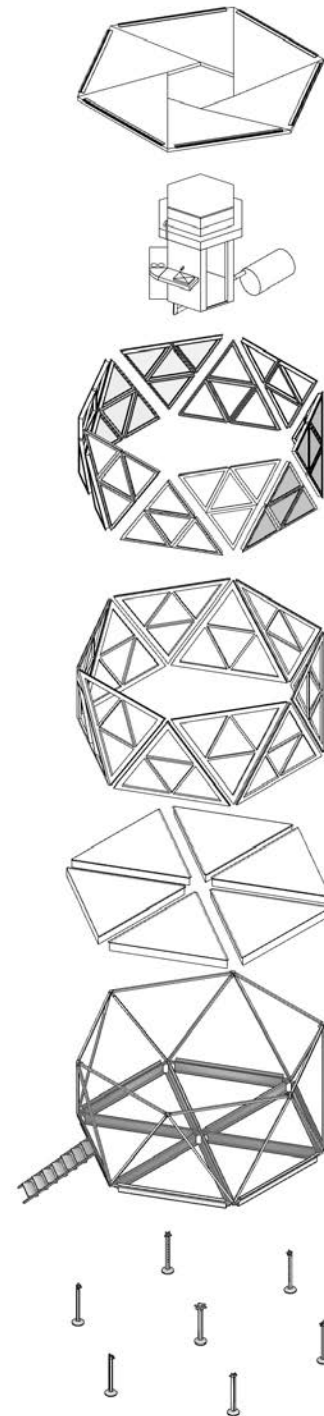
A-HIT Habitat, or “**Anti-Hexagonal Iris Toroid**,” is a portable habitat that fulfills the individual’s need to weather two climate extremes: cold Upstate NY winters and blazing Sonoran Desert summers.

This habitat is able to adapt to where it is assembled, all for the user’s convenience, comfort, and sense of good-living. A-HIT Habitat features operable panels for shedding snow or increasing airflow, with the addition of a solar panel for powering interior amenities.

The dimensions are fine-tuned to the human body’s proportions, and each individual component is designed with the intent to collectively fit into a trailer for transportation.

This project focused on what makes good living. In my own words, “good living embodies functionality, convenience, and comfort. In terms of physical space, it should not only exist as an inspiring place to reside, but also a place in which we can seek refuge. Good living is fulfilling and serves a purpose. It facilitates both communal gatherings and personal retreats, seamlessly integrating with its natural surroundings, rather than disrupting them.”

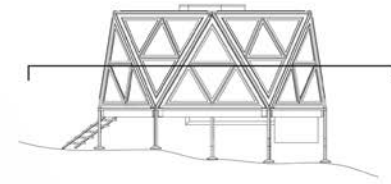
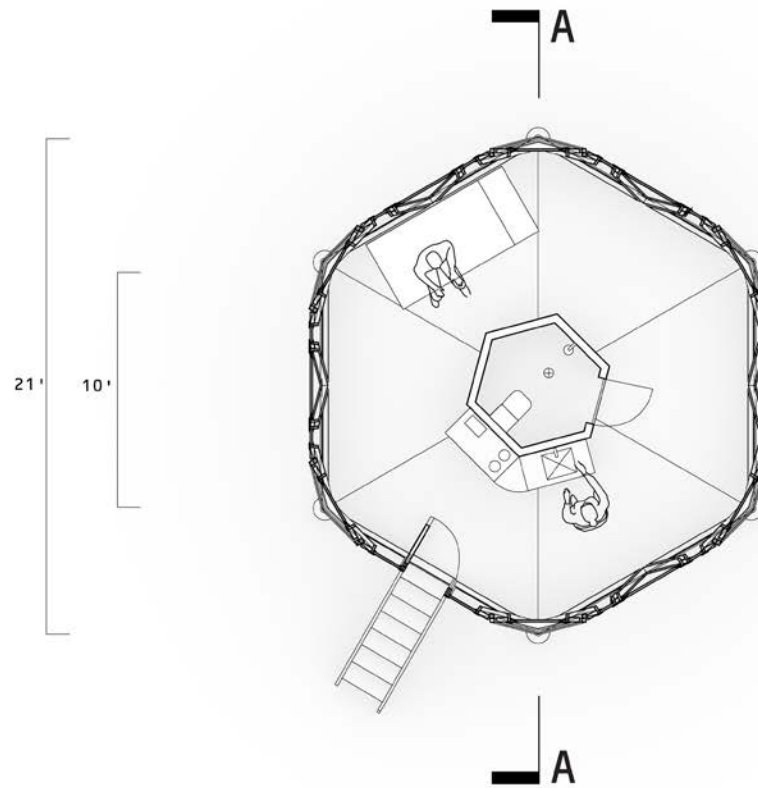
Exploded Axonometric Assembly



SUMMER CONDITIONS - CROSS VENTILATION



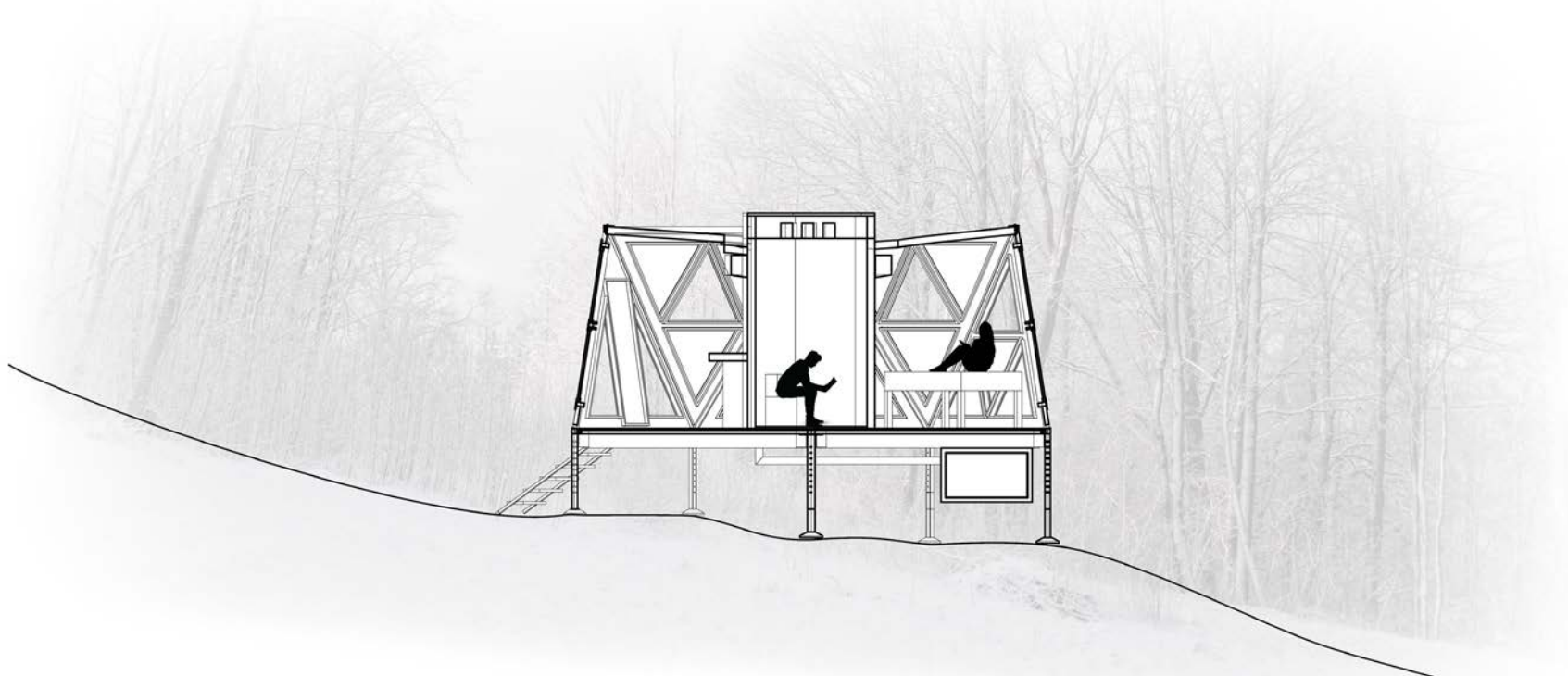
PLAN - CLOSED PANELS



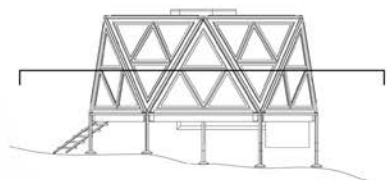
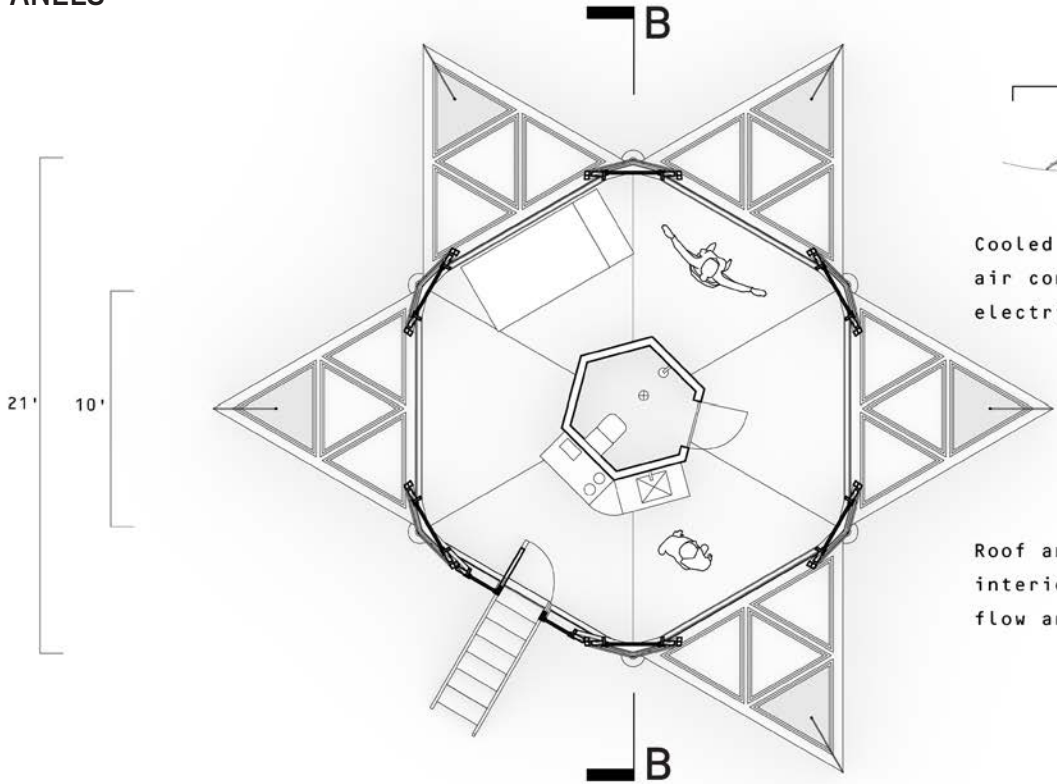
Kept warm by a pellet stove.
Heat is retained by keeping
the panels closed.

An interior liner would keep
heat from escaping when the roof
panels are shedding snow.

SECTION - CLOSED PANELS



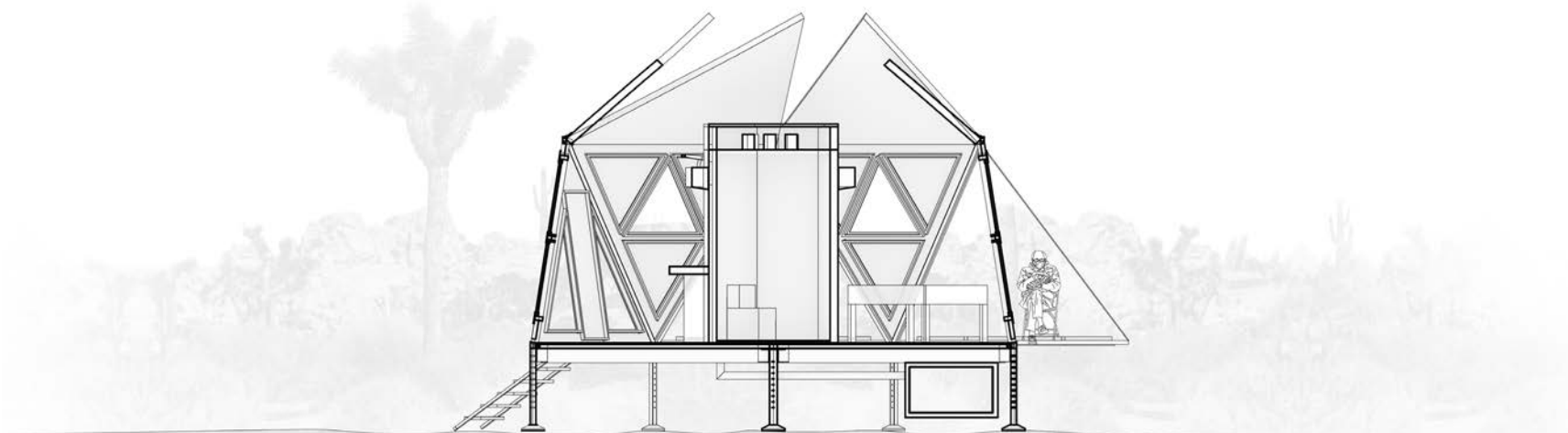
PLAN - OPEN PANELS

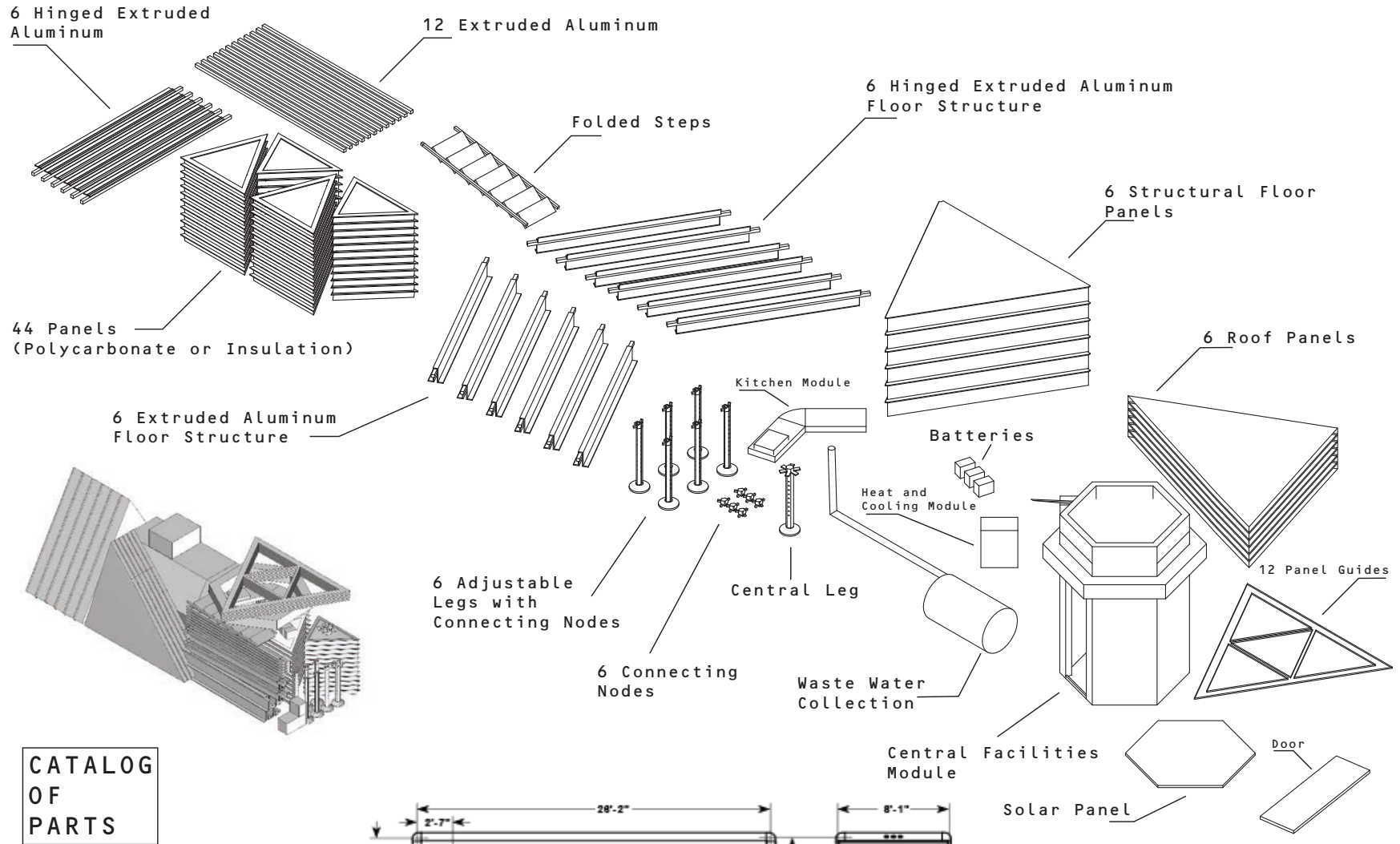


Cooled by breeze or portable air conditioners running on electricity.

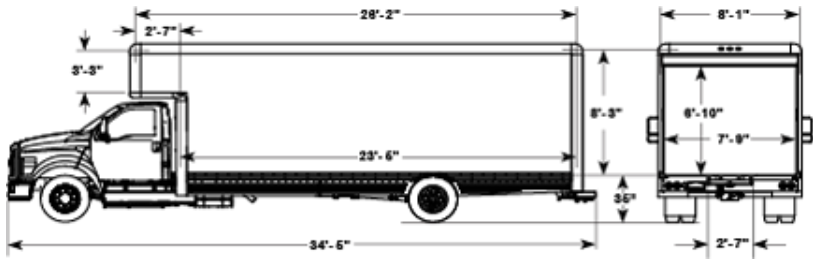
Roof and walls can help control interior climate by means of air flow and shade.

SECTION - OPEN PANELS

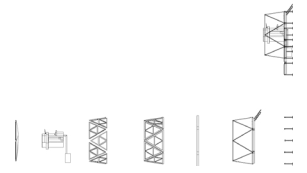




CATALOG OF PARTS



ORDER OF ASSEMBLY





05 Communal Solitude

Bellefonte Rail Trail, State College, PA

Prof. Heather Ligler

Fall 2020

Arch 231

16 weeks

Located just beyond the Penn State Arboretum, this nature observation tower overlooks a wild meadow, offering a link between campus and the Bellefonte Central Rail Trail.

The tower implements post and beam timber construction and is reinforced with tension cables for additional structural stability. Operable shutters have also been integrated to provide dynamic control over light and privacy.

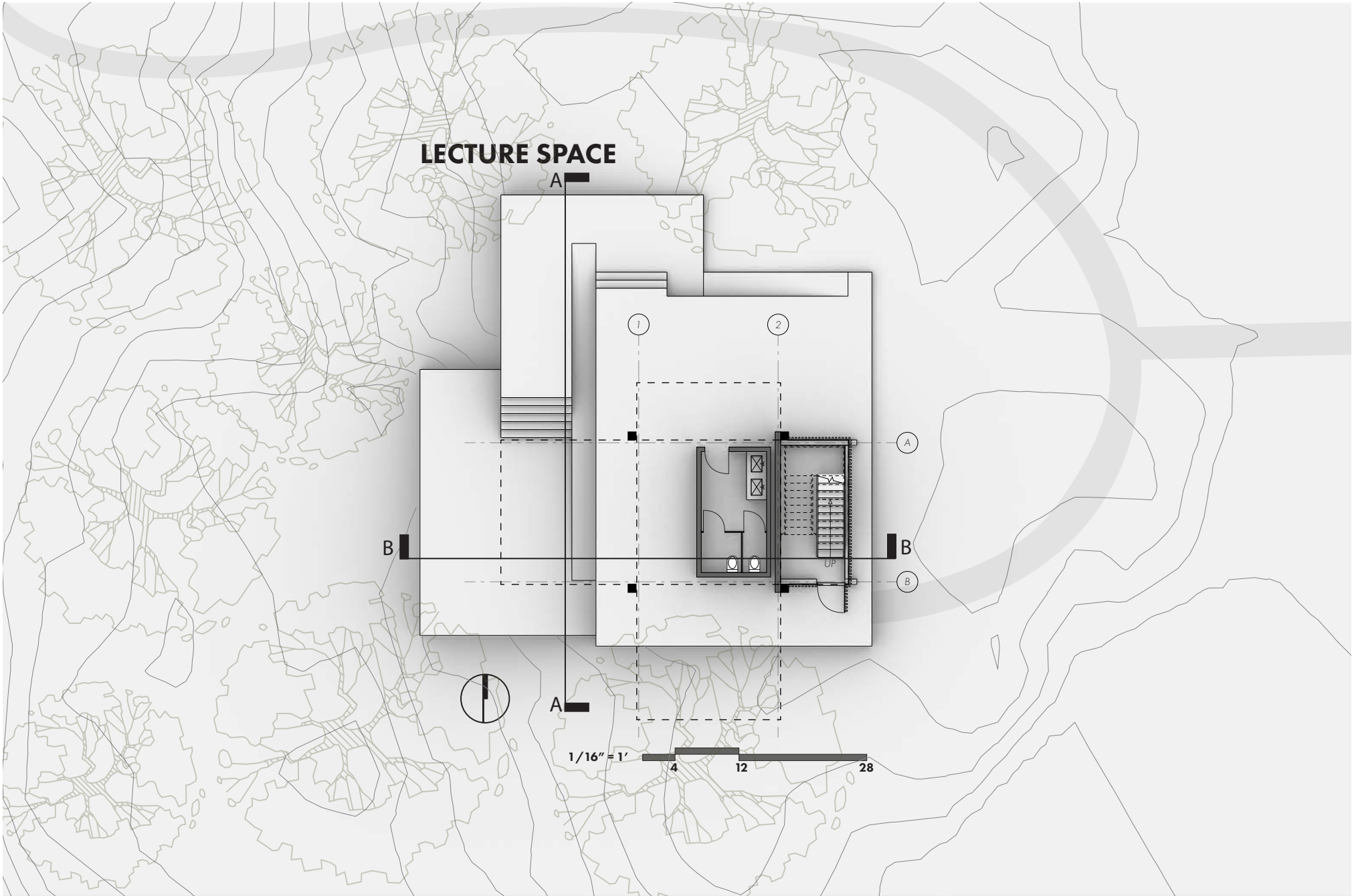
The program includes a ground level lecture space, multilevel public-access viewing platforms, and a private residence for a nature blogger to make the most of the site.

1/16" SCALE MODEL

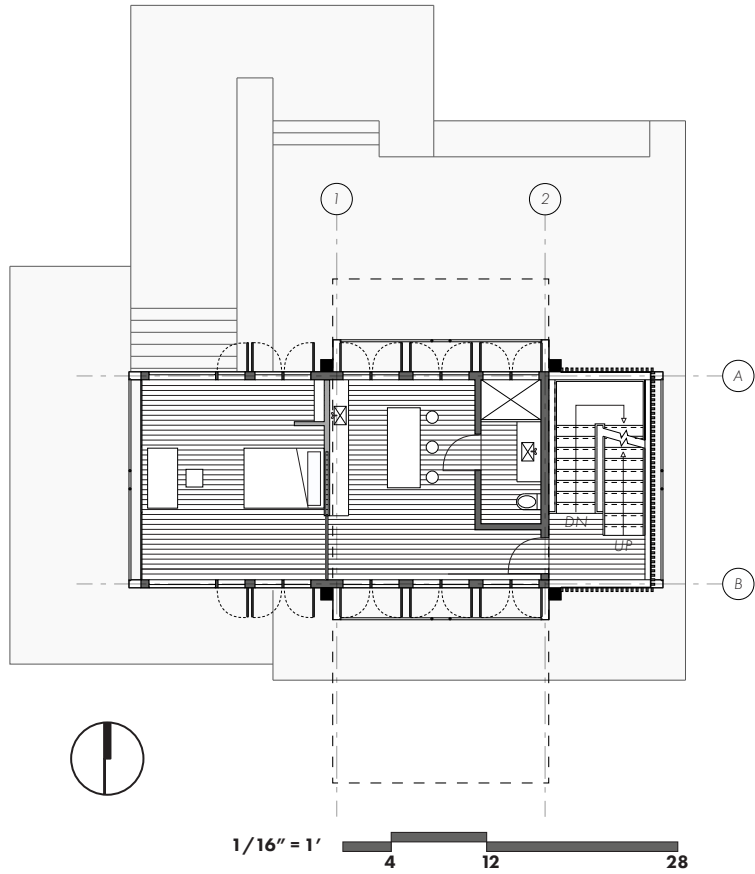


EXTERIOR VIEW OF OBSERVATION TOWER

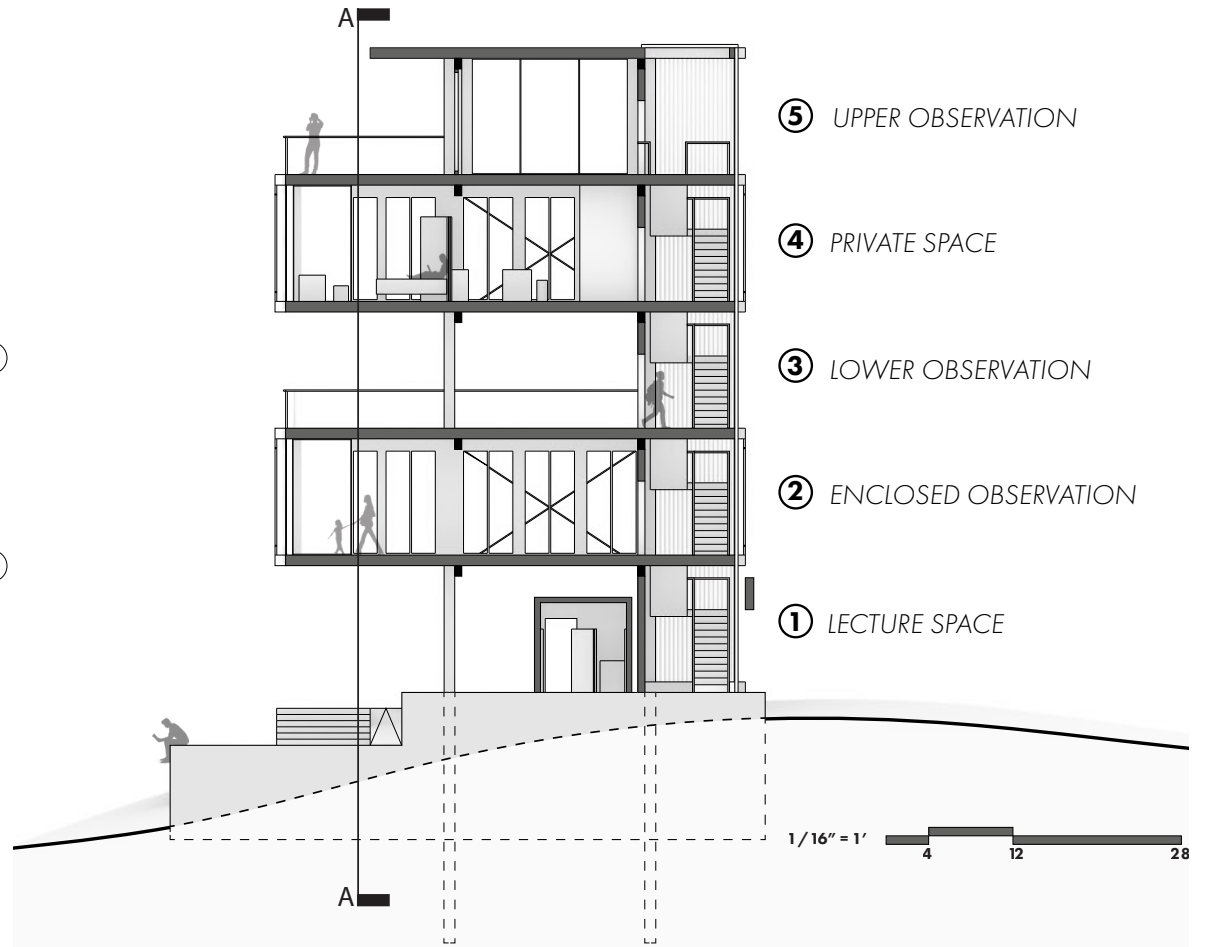




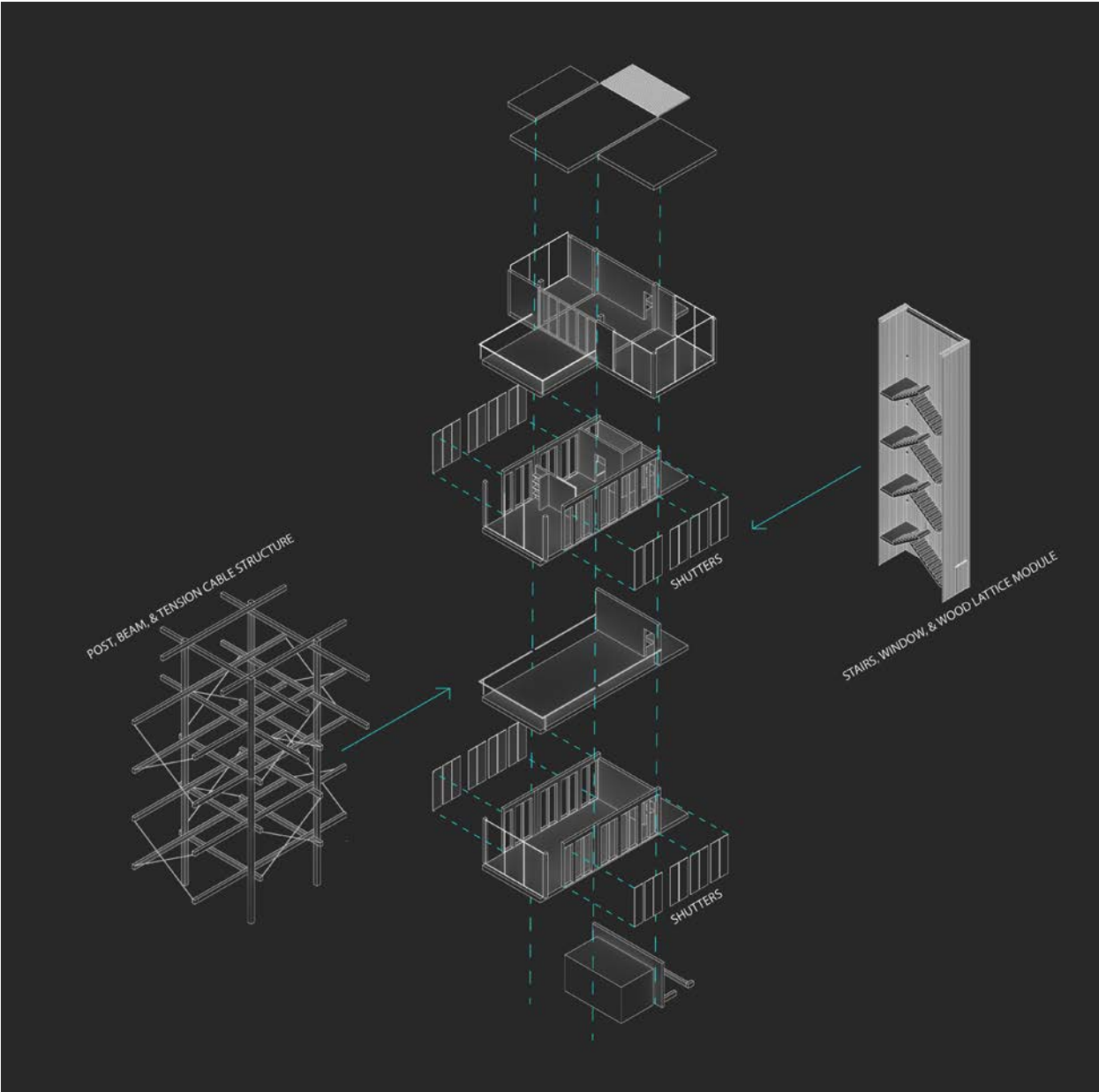
PRIVATE SPACE



SECTION BB



EXPLODED BUILDING COMPONENTS



INTERIOR VIEW OF UPPER OBSERVATION LEVEL



06 TREEHOUSE BOTHY

Millbrook Marsh Nature Center, State College, PA

Prof. James Kalsbeek

Spring 2020

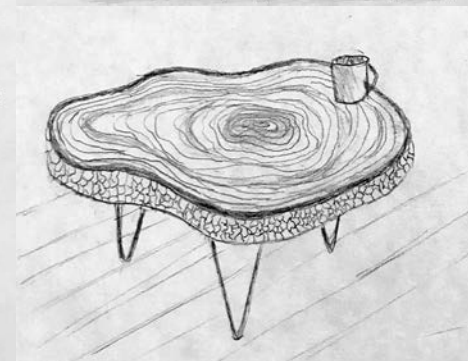
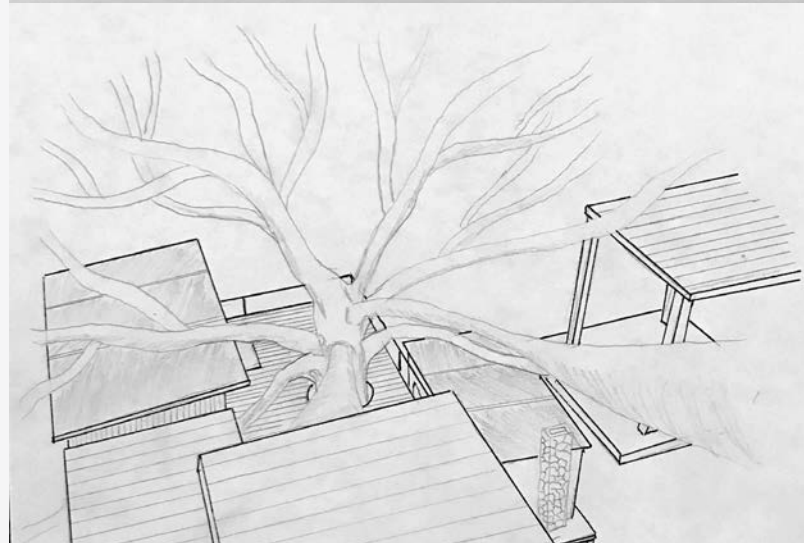
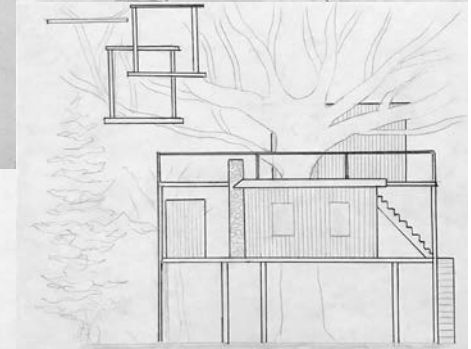
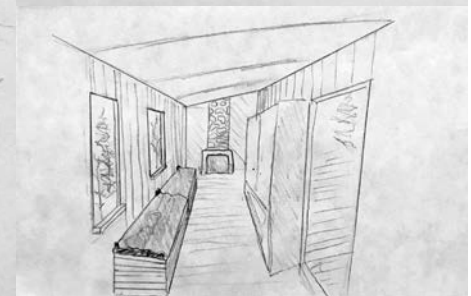
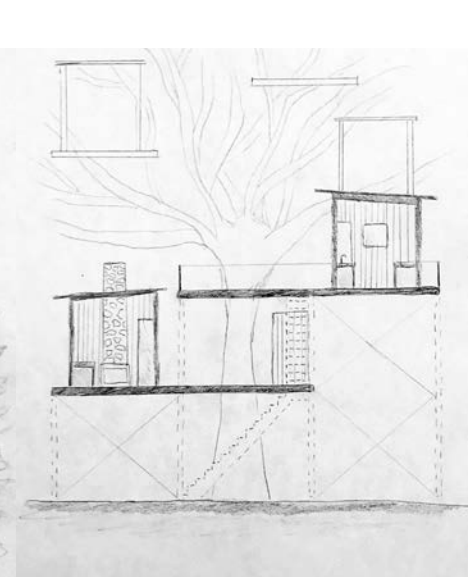
Arch 132

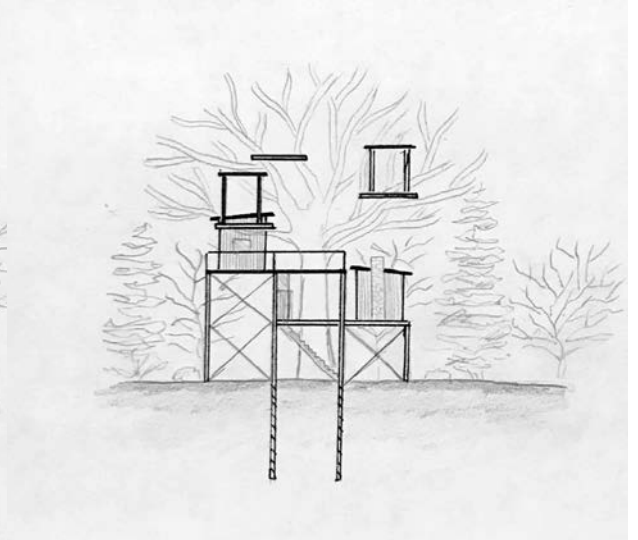
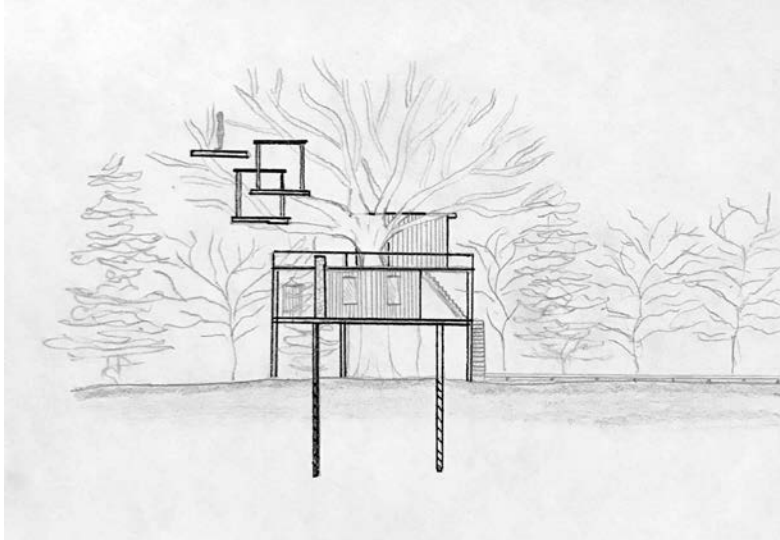
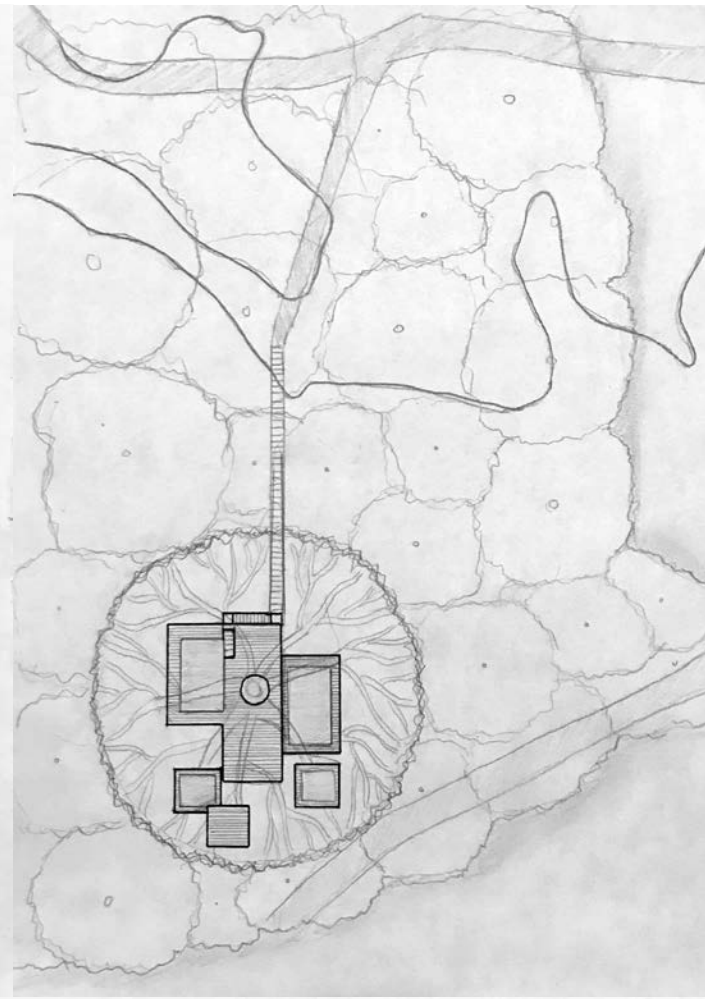
6 weeks

In this project, our studio explored what characteristics make a bothy. Typically there is a caretaker, and the remaining spaces are available for any travellers in need of a place to seek refuge.

This bothy was designed for a silviculturalist, allowing him to escape in nature and work in a place of solitude and self reflection.

This project began after the abrupt beginning of quarantine due to COVID and made use of hand sketching to complete the project.





07 Personal Render Studies

Programs Used:

- Vray
- Rhino
- Photoshop

I devoted some of my time to learning Vray and furthering my skills in accompanying software. This allowed me to imagine a variety of scenes and scenarios that I wouldn't necessarily have the time or opportunity to pursue in studio projects.

The images highlighted here allowed me to explore things like lighting, atmosphere, reflections, and materiality.

MEDITERRANEAN VIEWS





ROOFTOP GREEN SPACE



RUNNING PATH

