

# PORTFOLIO

**ARIANA BURGA**

## CONTENT --- 2026

1 - Resume

2 - Green Intervals: The Architecture School

12 - Astral Research Center

20 - Drawings & Designs

# ARIANA BURGA

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Phone Number: +1 (909) 756-5075

I am an architecture student at Cal Poly Pomona pursuing a minor in Regenerative Studies, with a passion for creating spaces that are safe, thoughtful, and responsive to both people and the environment. Throughout my design process, I often pause to ask, "How would I like to experience this space?" and use that perspective to guide each of my projects with curiosity and intention.

## EDUCATION

### California State Polytechnic University Pomona

B.Arch - Aug 2023 to May 2028

Minor in Regenerative Studies - Aug 2024 to May 2028

### San Bernardino Valley College

Architecture & Environmental Design Coursework -  
Jan 2021 to May 2023

## WORK EXPERIENCE

### CPP College of Environmental Design

Dean's Office Student Assistant

02/2024-Present

### Panera Bread

Host/Cashier

03/2022-04/2023

### Amazon

Warehouse Associate

10/2020-07/2021

## HONORS

### Cal Poly Pomona Dean's Honor List

2024-2025

### Cal Poly Pomona President's Honor List

2024-2025



LinkedIn  
Profile

## SKILLS

### Soft

Active Listening  
Teamwork  
Time Management  
Detail-Oriented  
Good Communication  
Adaptability

### Professional

Rhino  
AutoCAD  
SketchUp  
V-Ray  
Revit  
Adobe Creative Cloud Programs  
Microsoft Office Programs

## VOLUNTEERING

### CPP ENV Summer Camp

ENV Summer Camp Volunteer - 2024

### Pomona Valley Habitat for Humanity

Construction Volunteer - 2024

## LANGUAGES

<b>English</b>	<b>Spanish</b>
Proficient	Native

# 01

## GREEN INTERVALS: THE ARCHITECTURE SCHOOL

Period: January-May 2025

Location: Downtown Pomona, CA

Softwares: Rhino 8, Adobe Illustrator, AI for rendering, Adobe Photoshop

Instructor: Donatella Cusmá



### PROJECT DESCRIPTION

This project consisted in creating an architecture school in Pomona. The CSU campus will be establishing a School of Architecture off campus in acknowledgment of the current size and growth of the program.

For the development of this project, I used a set of rules to determine the shape of the building taking in consideration the site analysis and focusing on building community while implementing green open spaces not only for the architecture students/faculty but for the residents of Pomona.

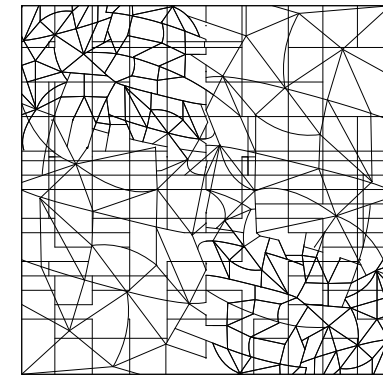


FIGURE A

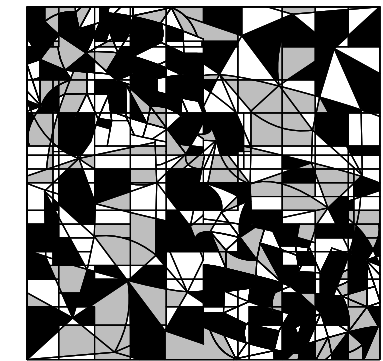


FIGURE B

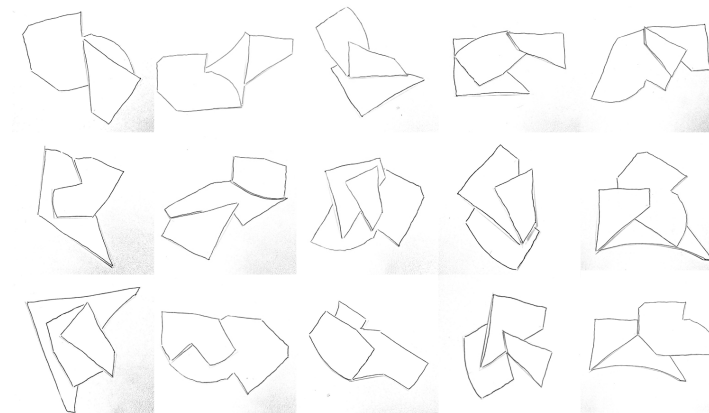
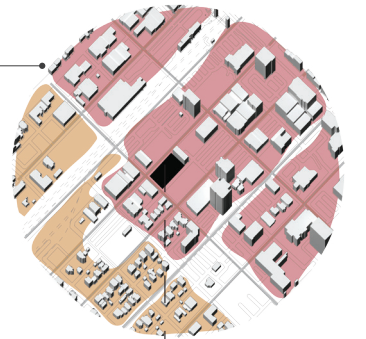


FIGURE C

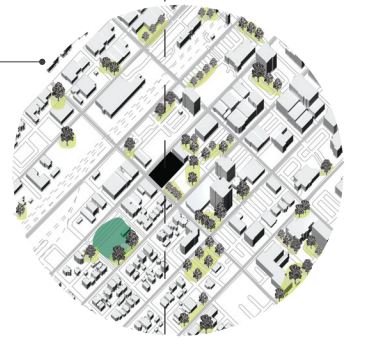
### ZONING CLASSIFICATION

- SITE
- MIXED-USE
- RESIDENTIAL/INDUSTRIAL



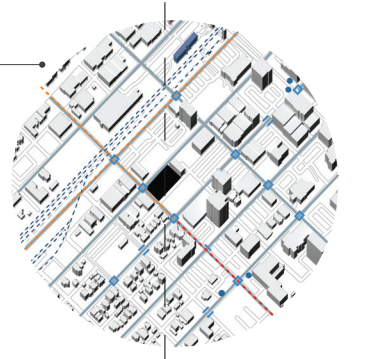
### VEGETATION

- PARKS
- TREES



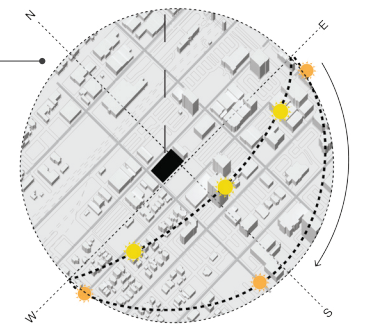
### TRANSPORTATION

- RAILWAYS
- ROADS
- PEDESTRIAN ACCESS
- EXISTING BIKE ROUTE
- EXISTING BIKE LANE



### SUN PATH

- WINTER SOLSTICE
- SUMMER SOLSTICE

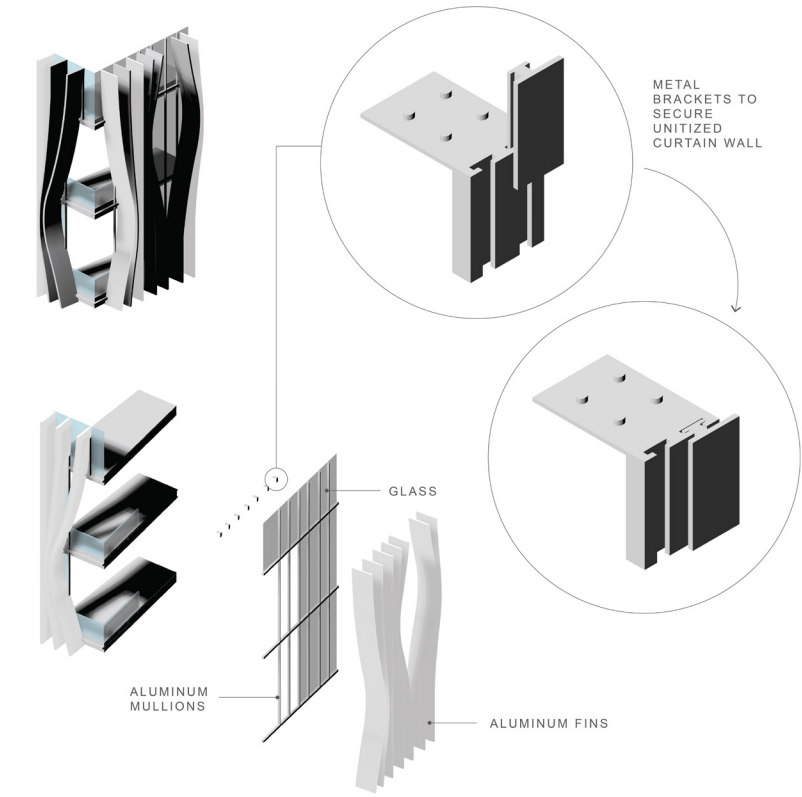


SITE ANALYSIS

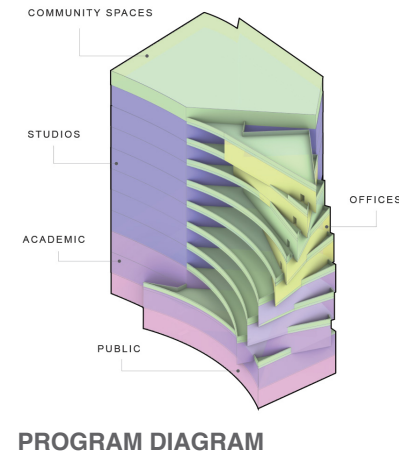
The form of the building was created from selecting interesting shapes from Figure B. In Figure C I tilted, placed back and front various shapes only limiting it to three shapes since my goal was to create a simplified version of Figure A which included curves, diagonals and pinch points.

The aluminum fins from the facade are either spaced closely or more distant depending on the projection of the sun throughout the year. They open up in specific areas of the building including studios to provide individuals fresh air and a view on their break away from screens.

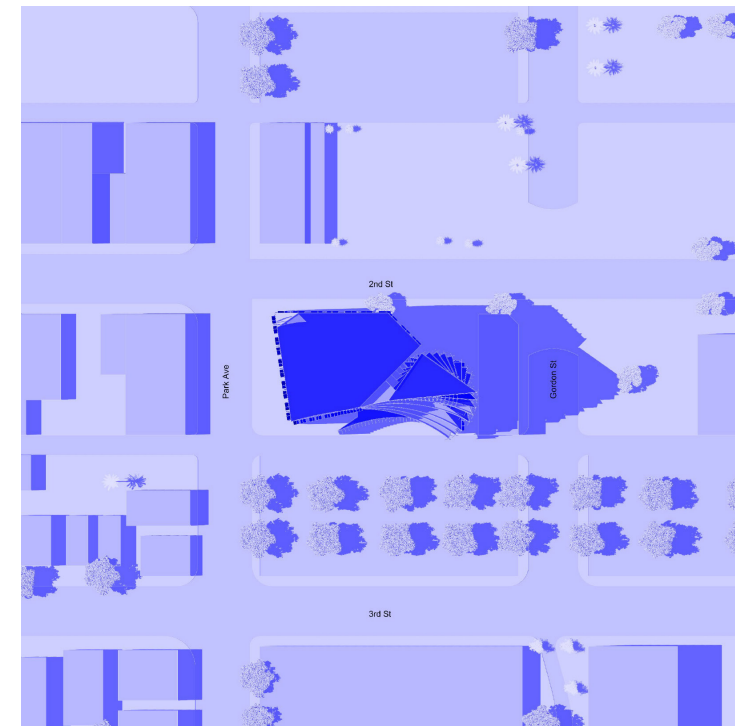
Some characteristics of the project were inspired by two case studies: CapitaSpring by BIG + Carlo Ratti Associati, and 404 One Park Drive by Herzog de Meuron.



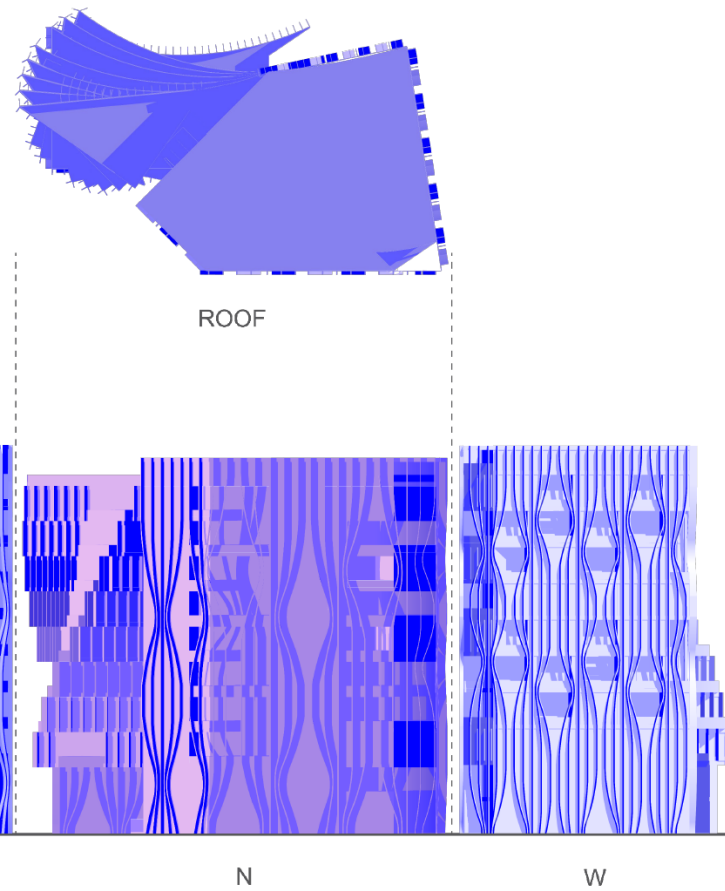
CHUNK OF FACADE



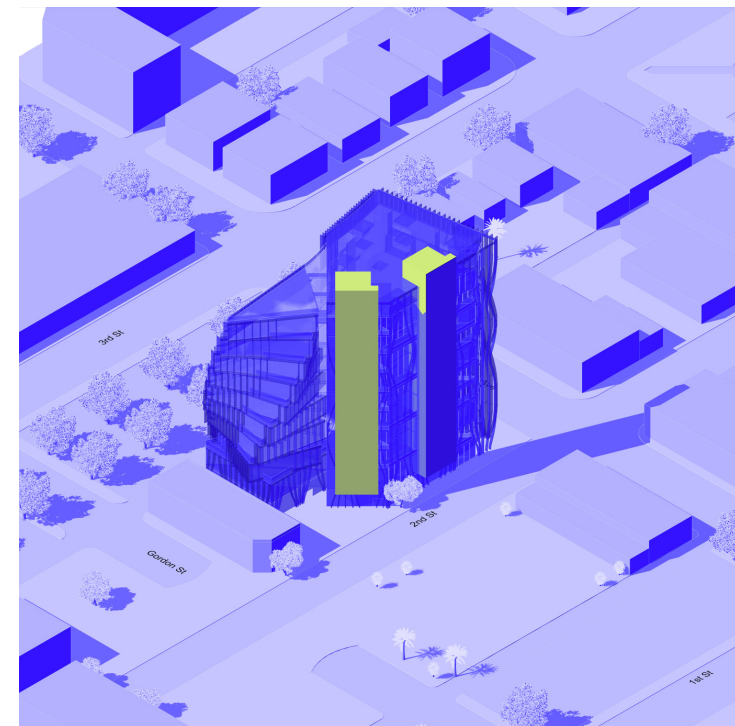
PROGRAM DIAGRAM



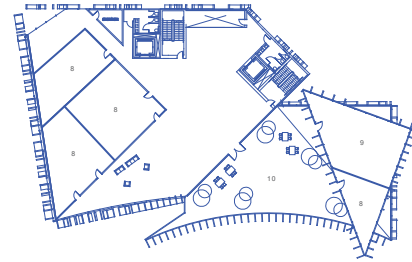
SITE PLAN



FACADE

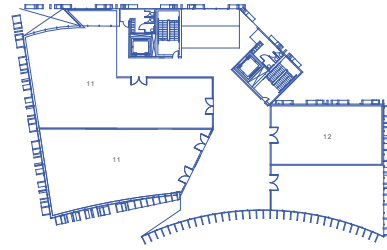


EGRESS DIAGRAM



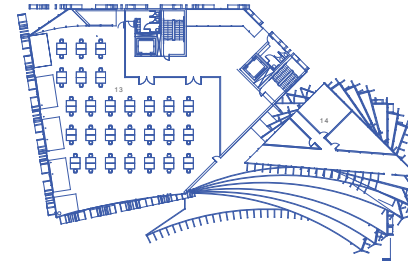
LEGEND  
 8. CLASSROOMS  
 9. CONFERENCE ROOM  
 LARGE  
 10. OUTDOOR SEATING  
 AREA

3RD FLOOR



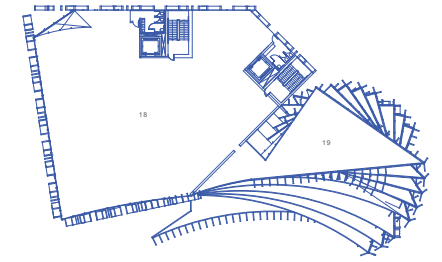
LEGEND  
 11. LECTURE HALLS  
 12. LIBRARY/ARCHIVES

2ND FLOOR



LEGEND  
 13. STUDIOS  
 14. OFFICES

9TH FLOOR

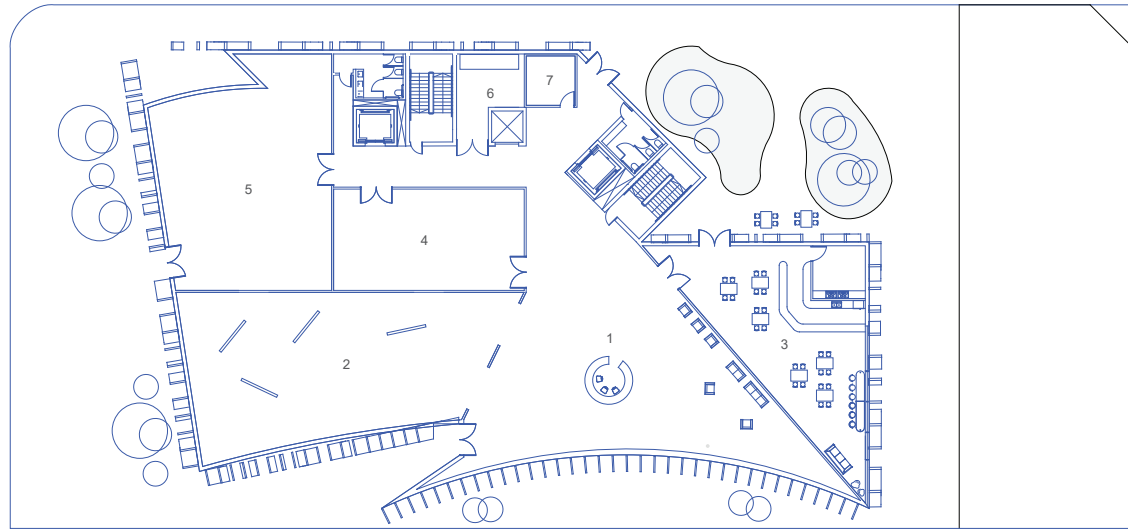


LEGEND  
 18. INDOOR GYM  
 19. GREEN ROOF

ROOFTOP

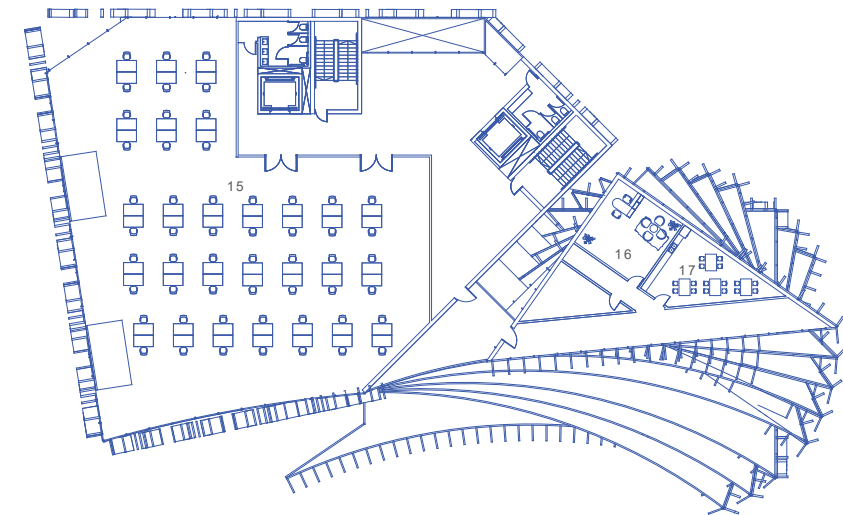
2ND STREET

PARK AVE



LEGEND  
 1. LOBBY  
 2. GALLERY  
 3. CAFE  
 4. FABRICATION LAB  
 5. MODELSHOP  
 6. LOADING DOCK  
 7. GARBAGE STORAGE

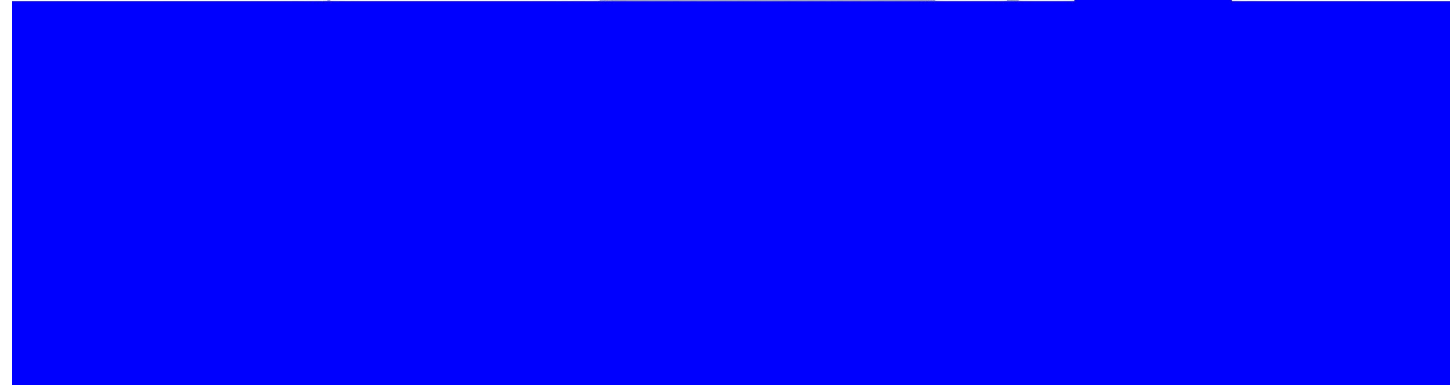
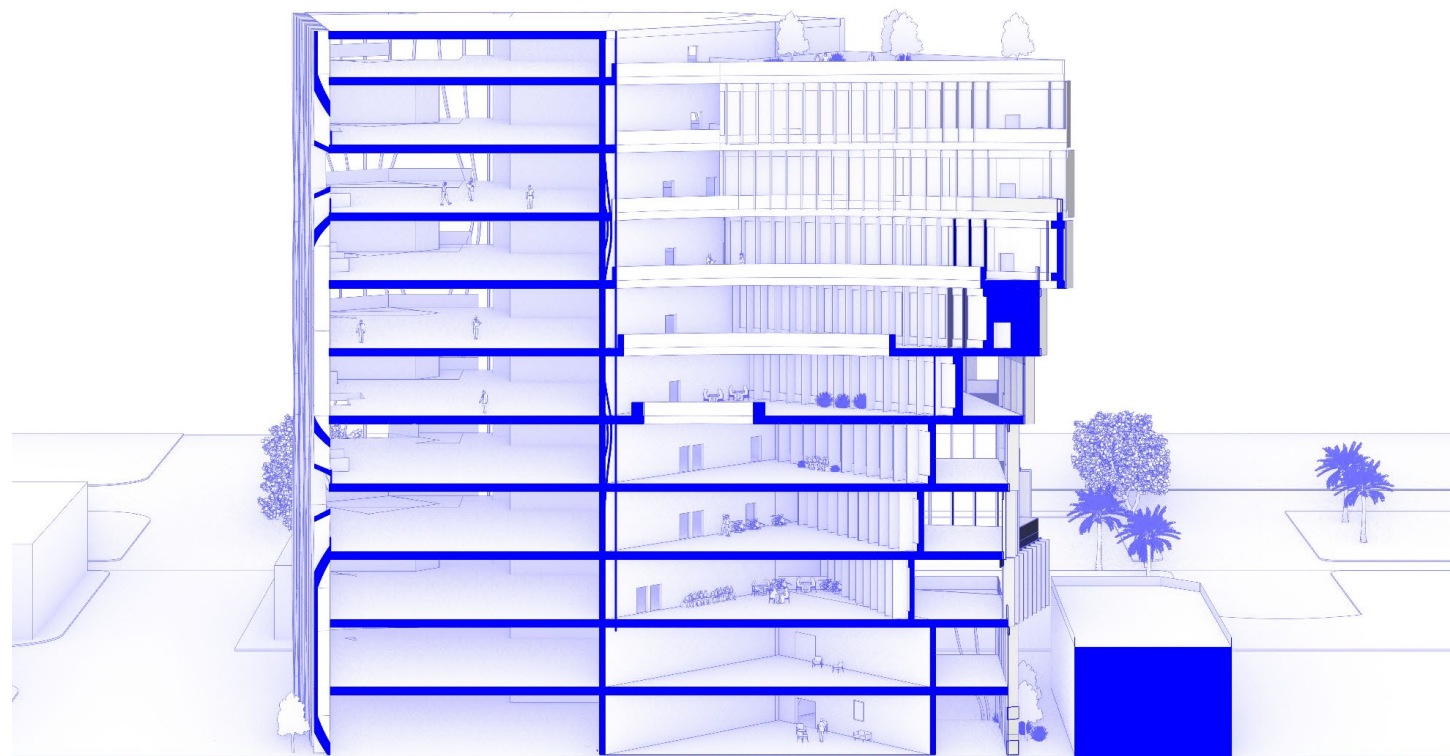
GROUND FLOOR



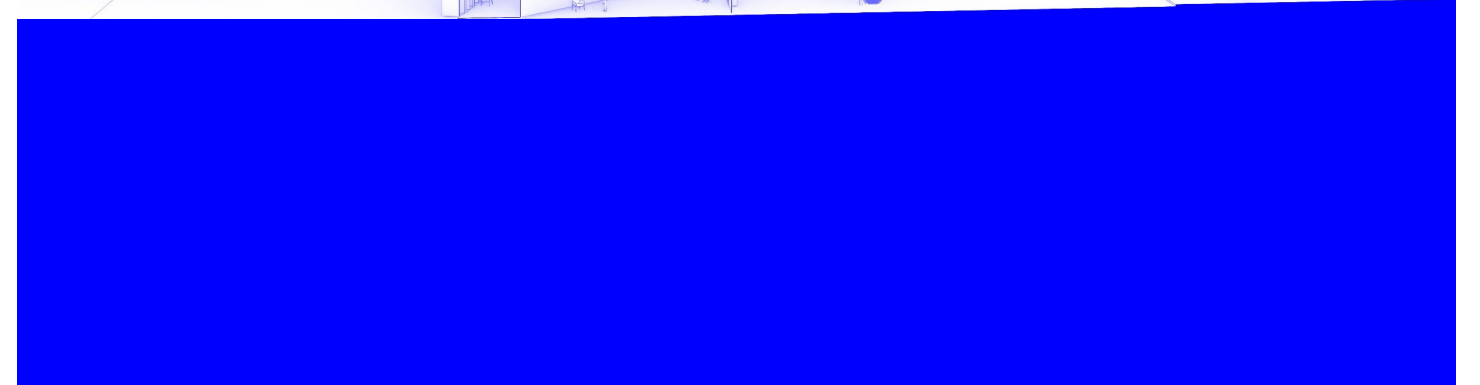
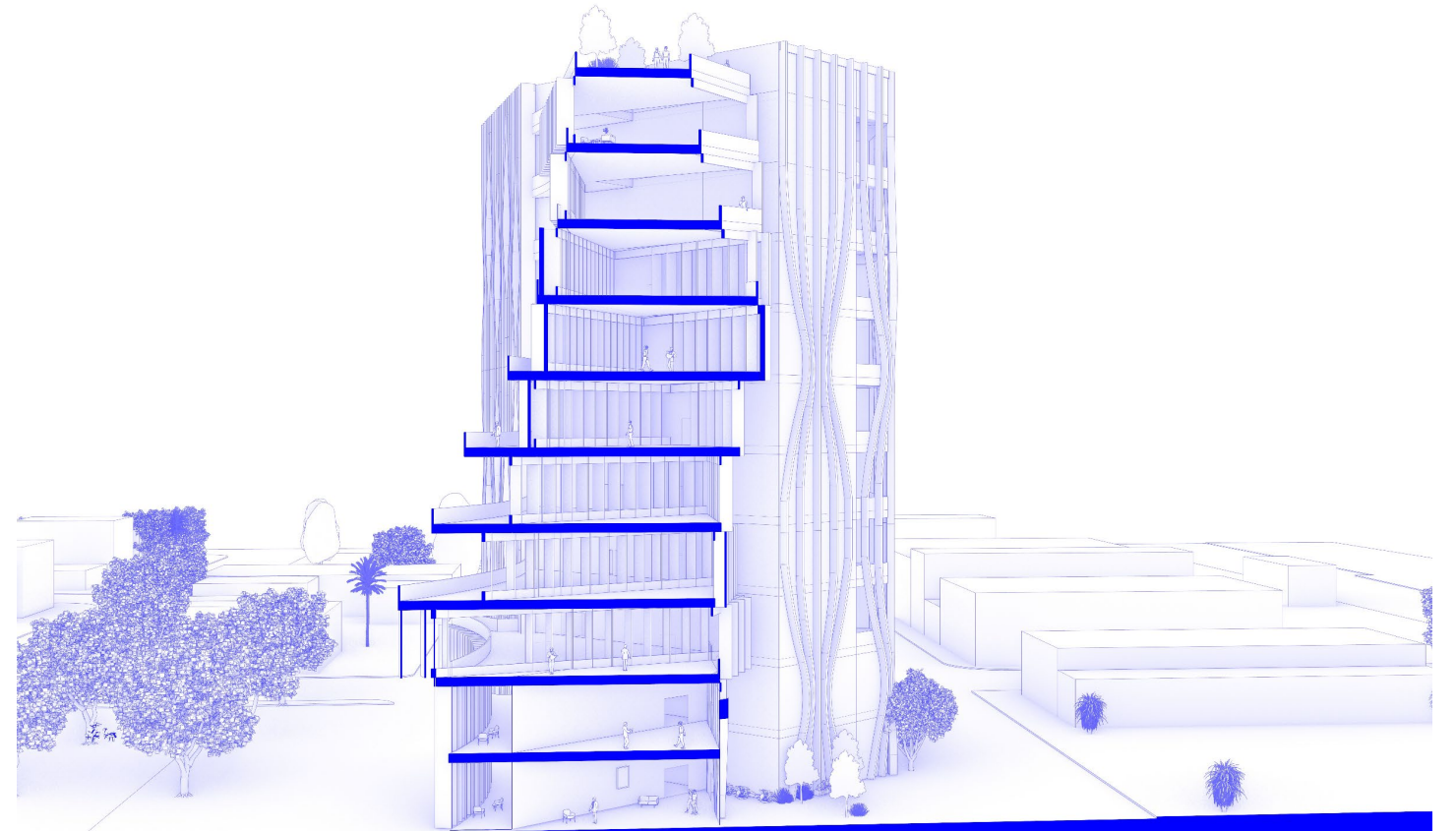
LEGEND  
 15. STUDIOS  
 16. DEAN'S OFFICE  
 17. BREAKROOM

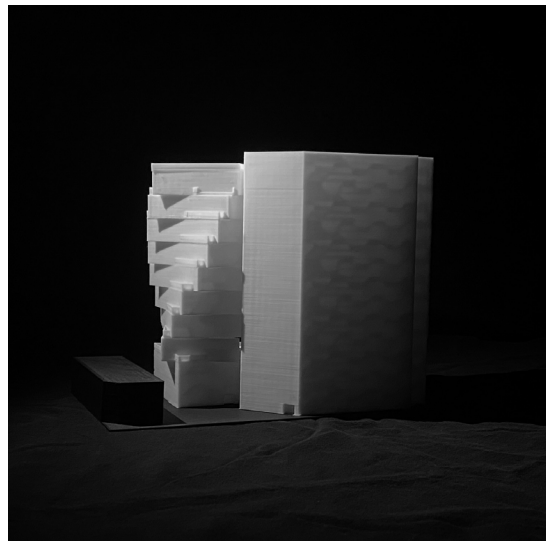
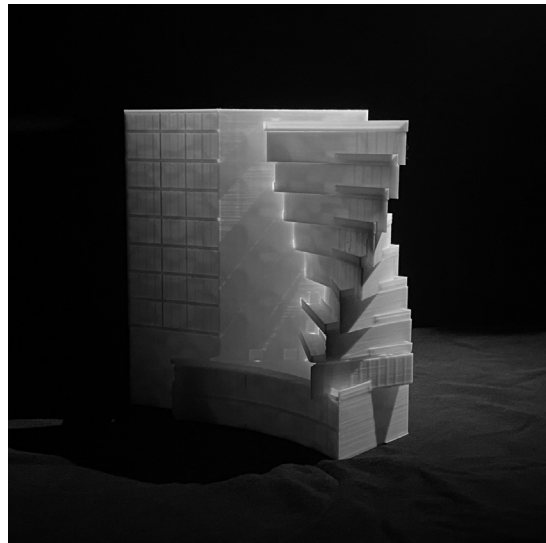
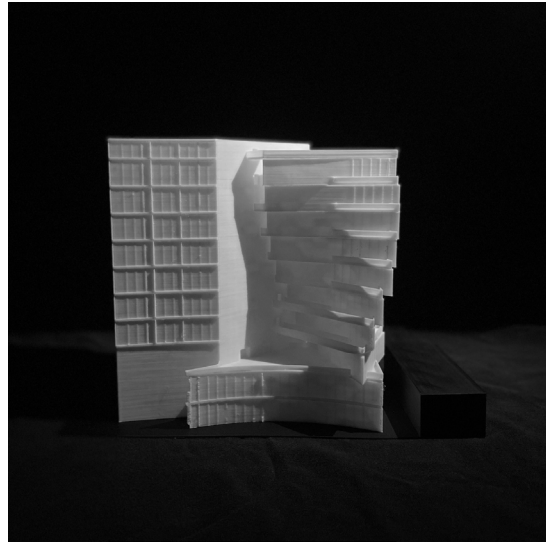
10TH FLOOR

LONGITUDINAL SECTION

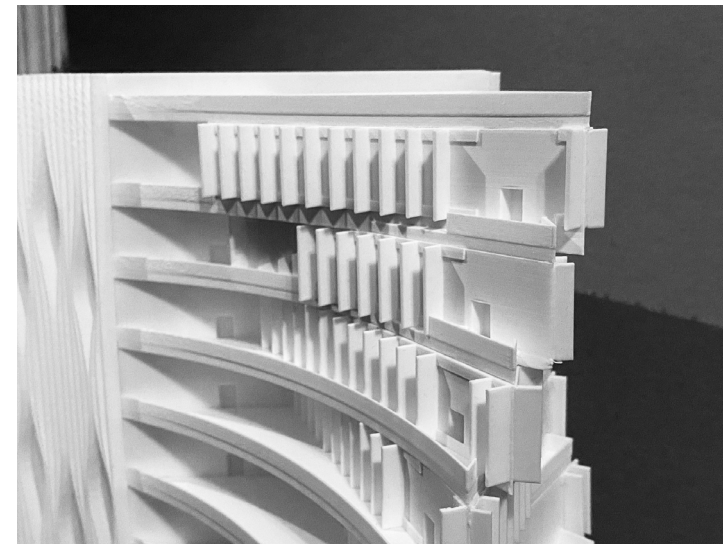
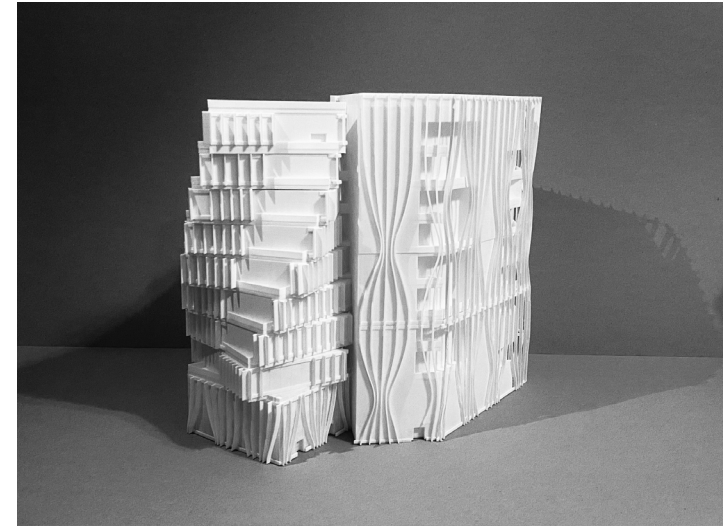
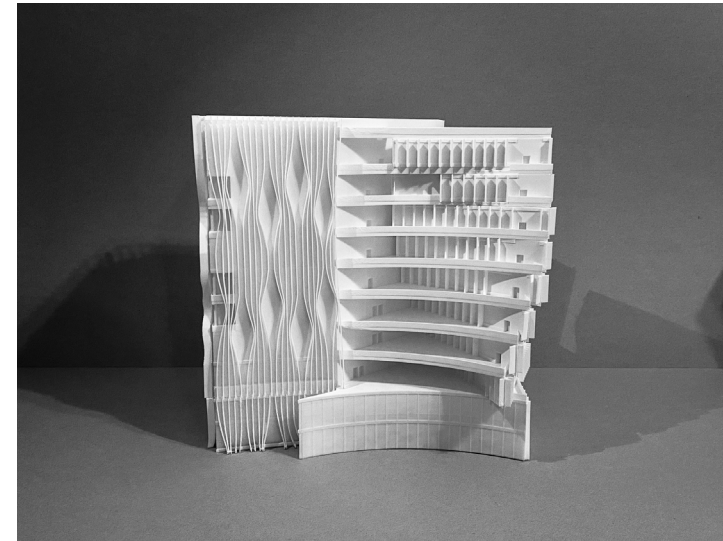


LATERAL SECTION

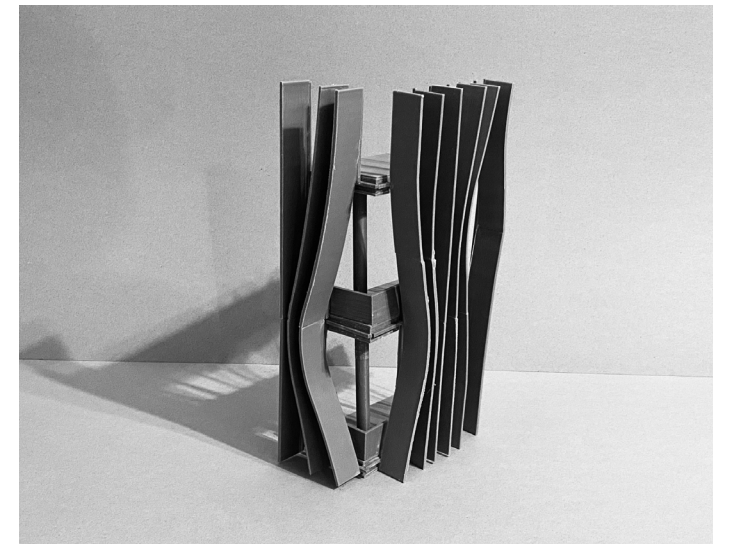
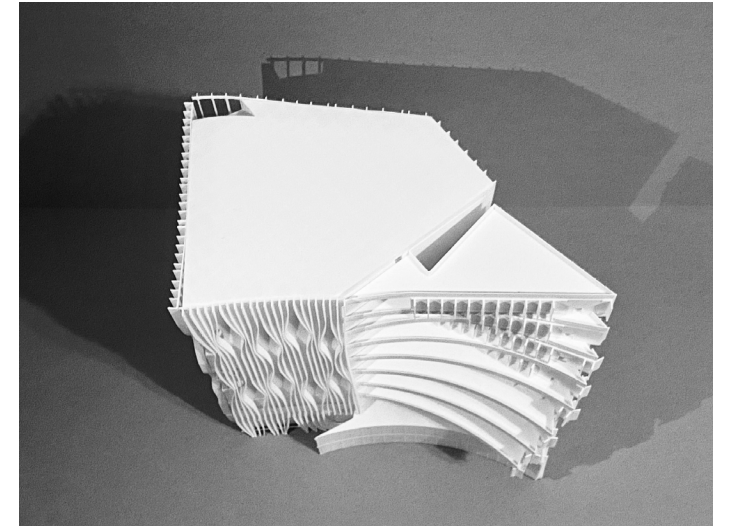
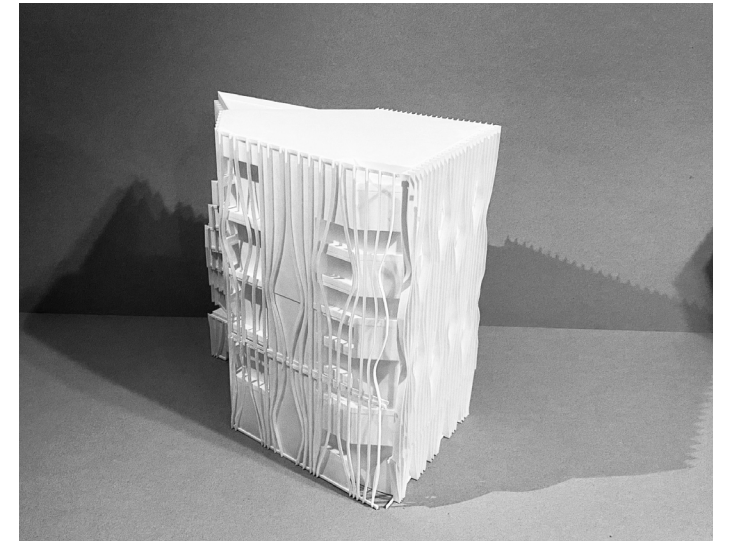




STUDY MODEL



FINAL MODEL AND CHUNK



# 02

## ASTRAL RESEARCH CENTER

Period: August-December 2026

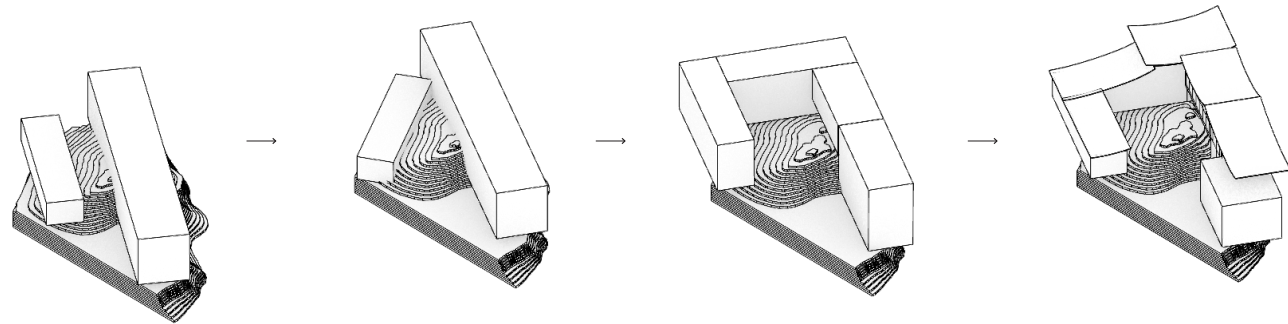
Location: Mt. Wilson, CA

Softwares: Rhino 8, Adobe Illustrator, AI for rendering, Adobe Photoshop

Instructor: Apurva Pande

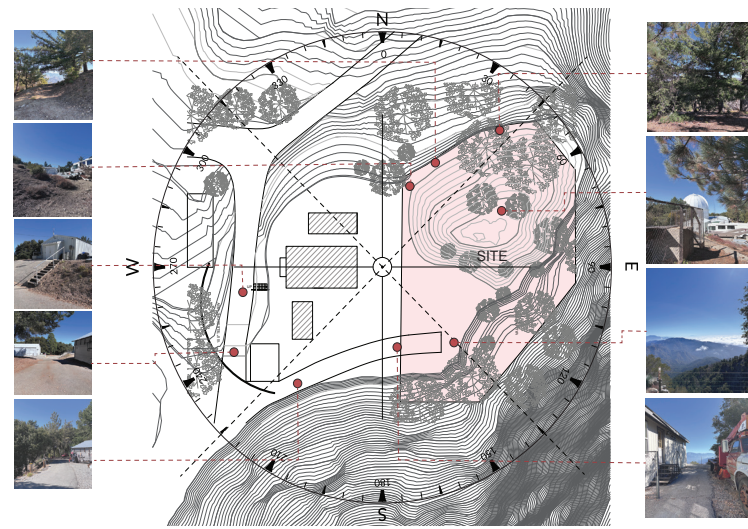


### ROOF DEVELOPMENT



### PARTI + SITE

During the process of organizing the program and outdoor spaces I often asked myself "How do I want this space to be lived in?" this approach led to placing a main staircase that takes you up the hill and opens to a central courtyard where is located the amphitheater, public spaces, and residency area. Meanwhile, the main office is accessed from the ground floor while the research labs and offices are placed above the amphitheater. This way, every single program has a way to capture intentional views and pleasurable experience from the mountains.



SITE VIEWS

### PROJECT DESCRIPTION

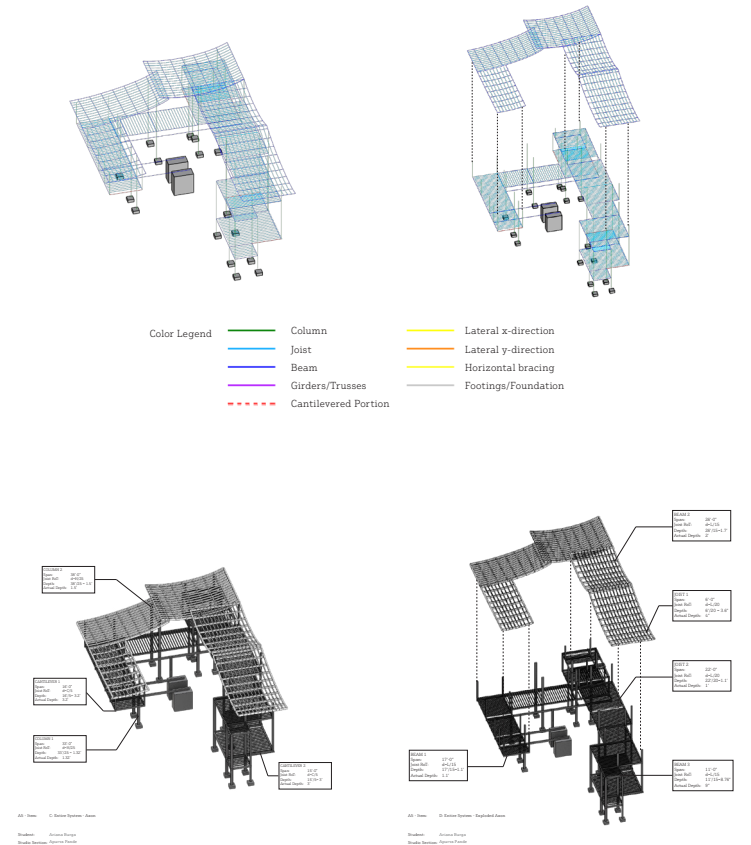
This proposal located in Mt. Wilson surrounded by a mesmerizing landscape has the goal of being a space dedicated to scientists and hikers to do investigations and/or rest and enjoy the environment.

This project emerges from the site by creating cantilevers and a "bridge like" circulation element that connects the two buildings along the hillside. In addition, the development of the roof consisted in extracting a single curve from the hill topography section to invent a subtle continuous roof that merges with the landscape's natural form.

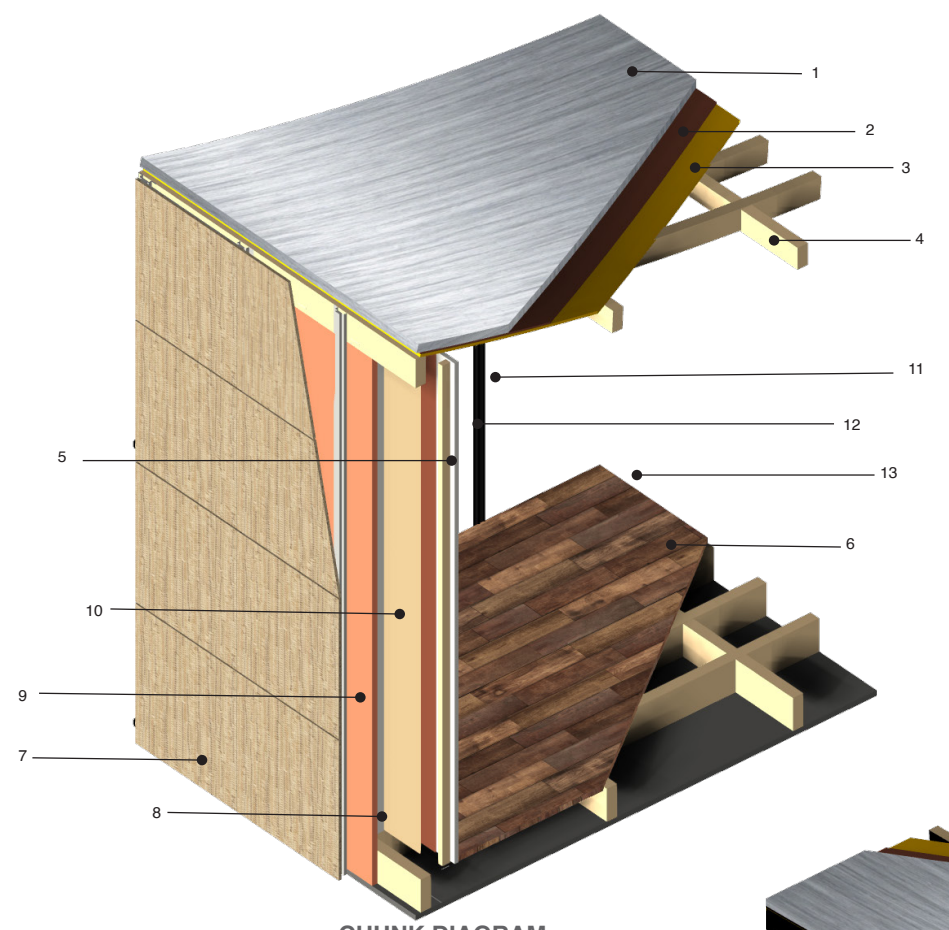


AI GENERATED RENDER



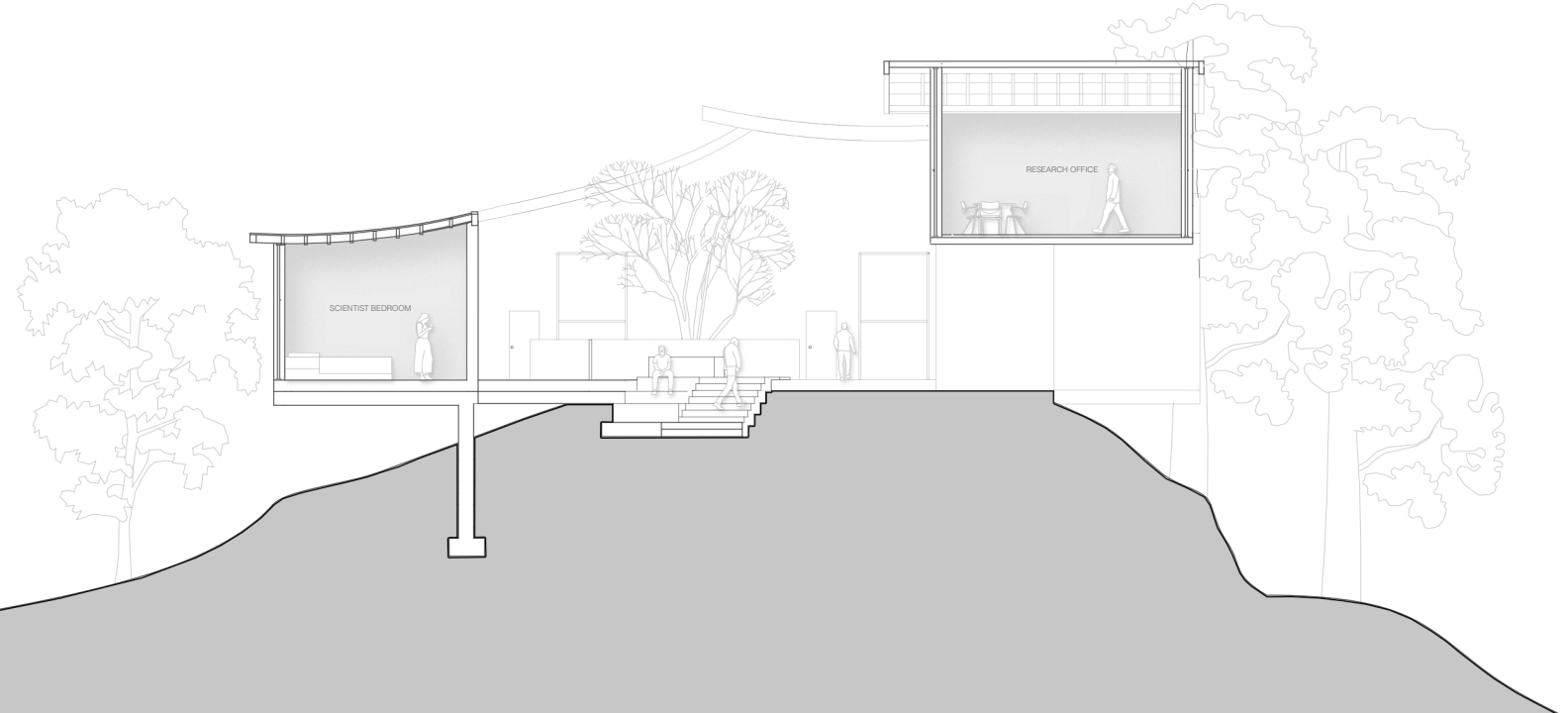


STRUCTURE SYSTEM DIAGRAMS



CHUNK DIAGRAM

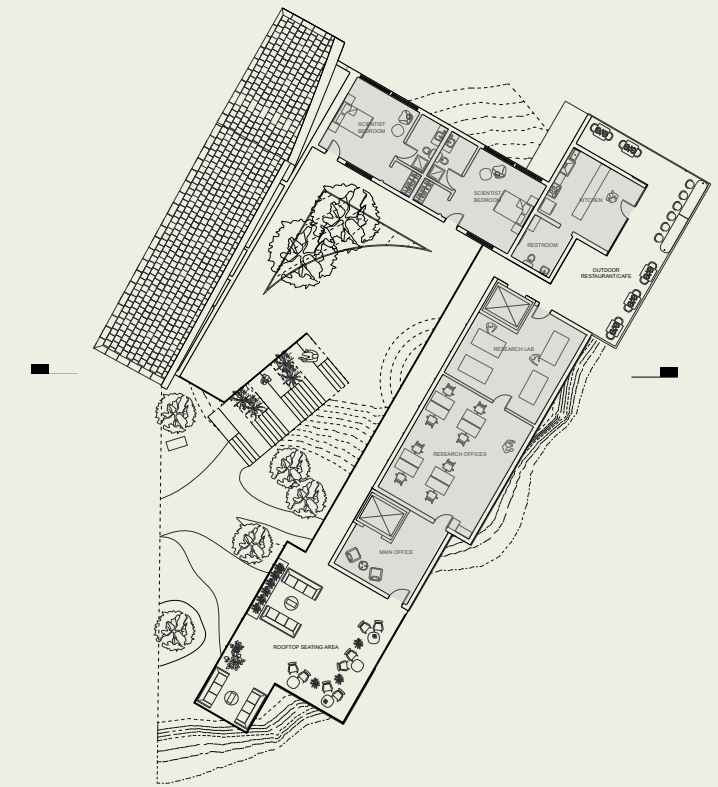
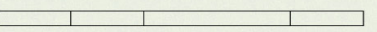
- LEGEND
1. Stainless Steel Panels (Cladding System)
  2. Vapour control layer
  3. Trapezoidal Steel Deck
  4. Curved Gluelam Beams
  5. Gypsum Board
  6. Flooring
  7. Fiber Cement Facade
  8. Studs
  9. Thermal Membrane
  10. Service Void Battens
  11. Galvanized Glass Panels
  12. Window Mullions



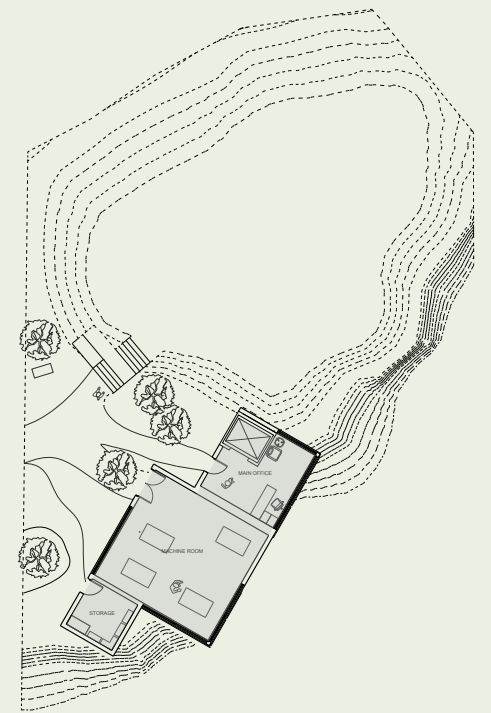
ELEVATION



The more private zone, the bedrooms, are located somewhat away from the cliff nonetheless, the bedrooms capture other angles of the nature as well. The public space continues on the third floor bringing the kitchen connected to an outdoor seating area just right at the corner of the building.

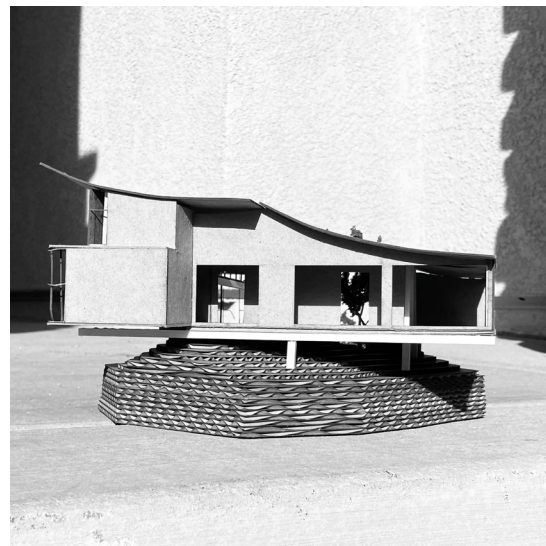
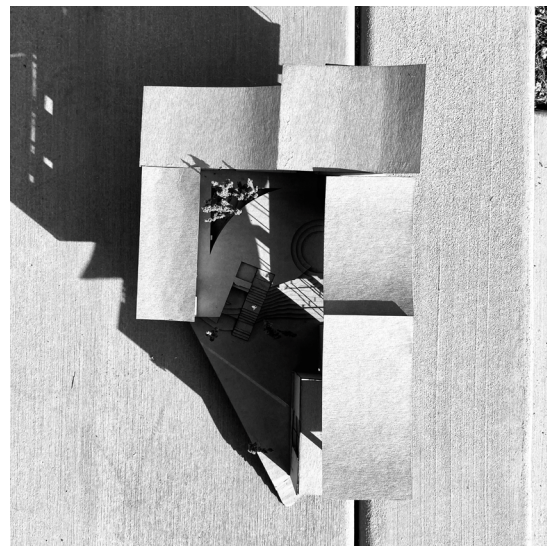
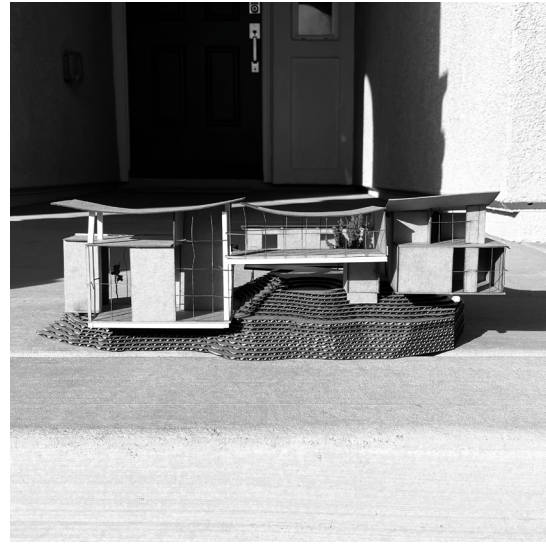
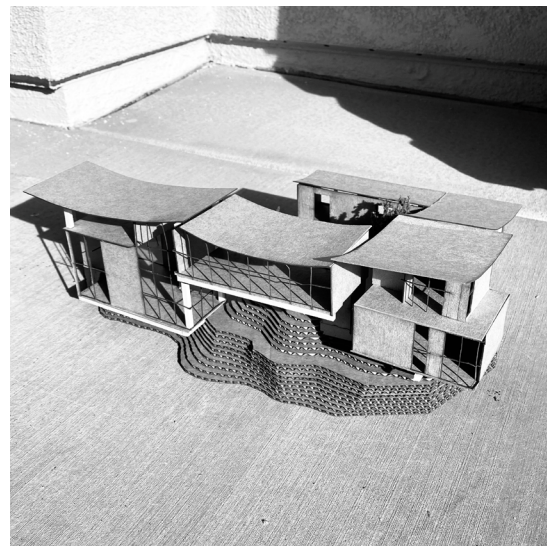
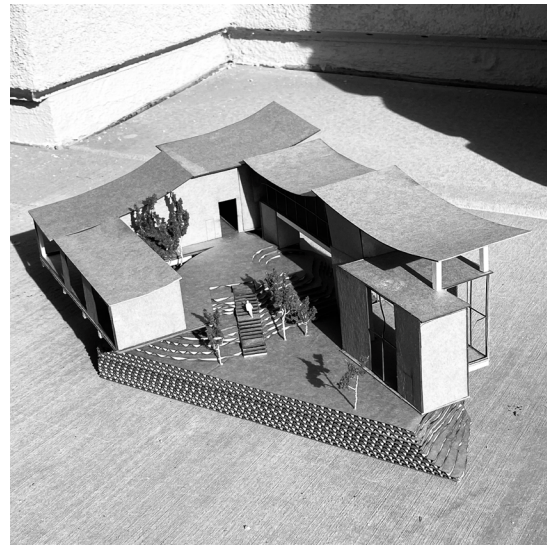


THIRD FLOOR

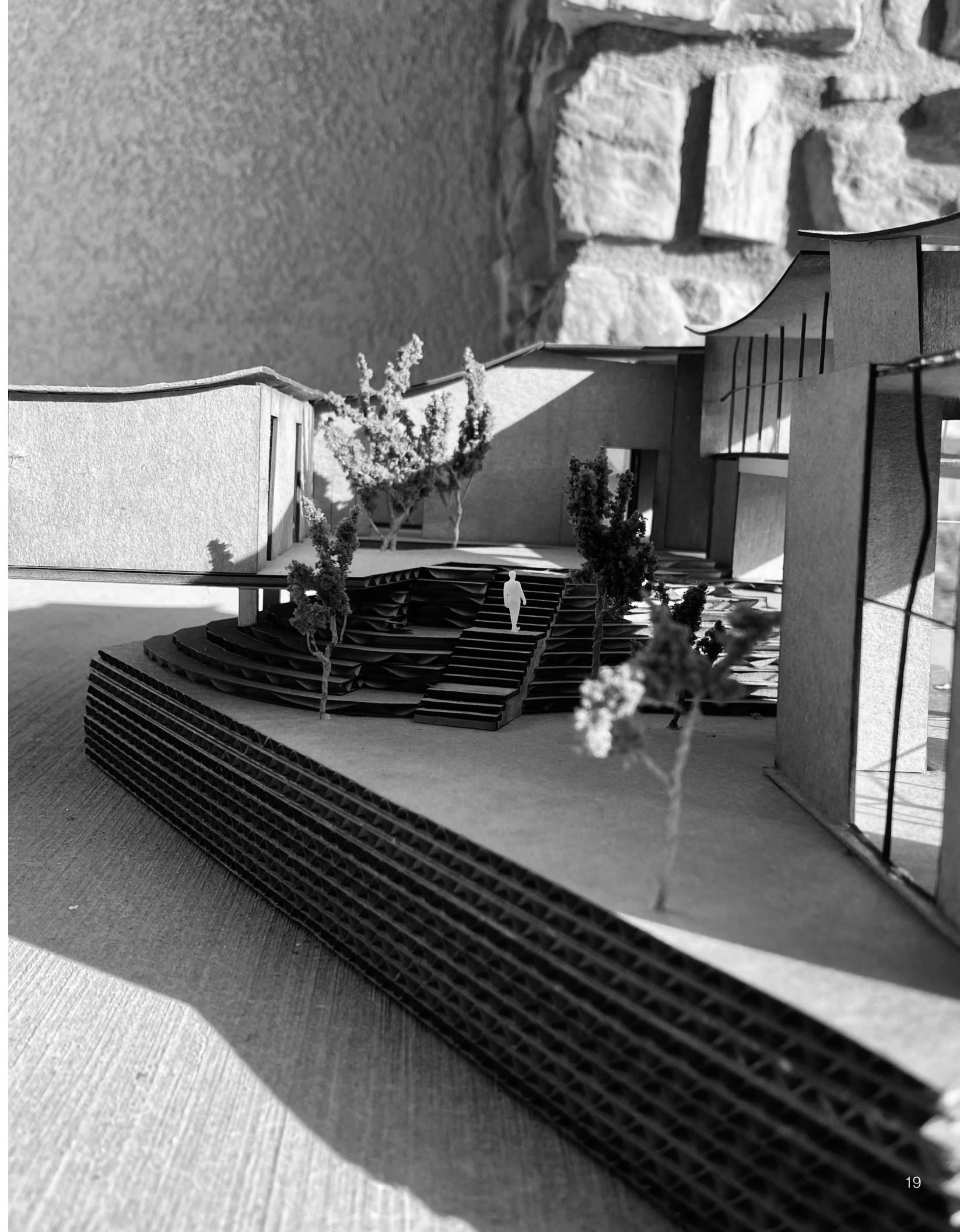


GROUND FLOOR



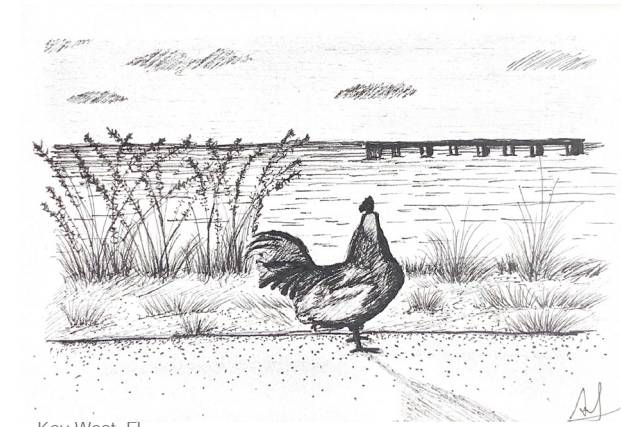
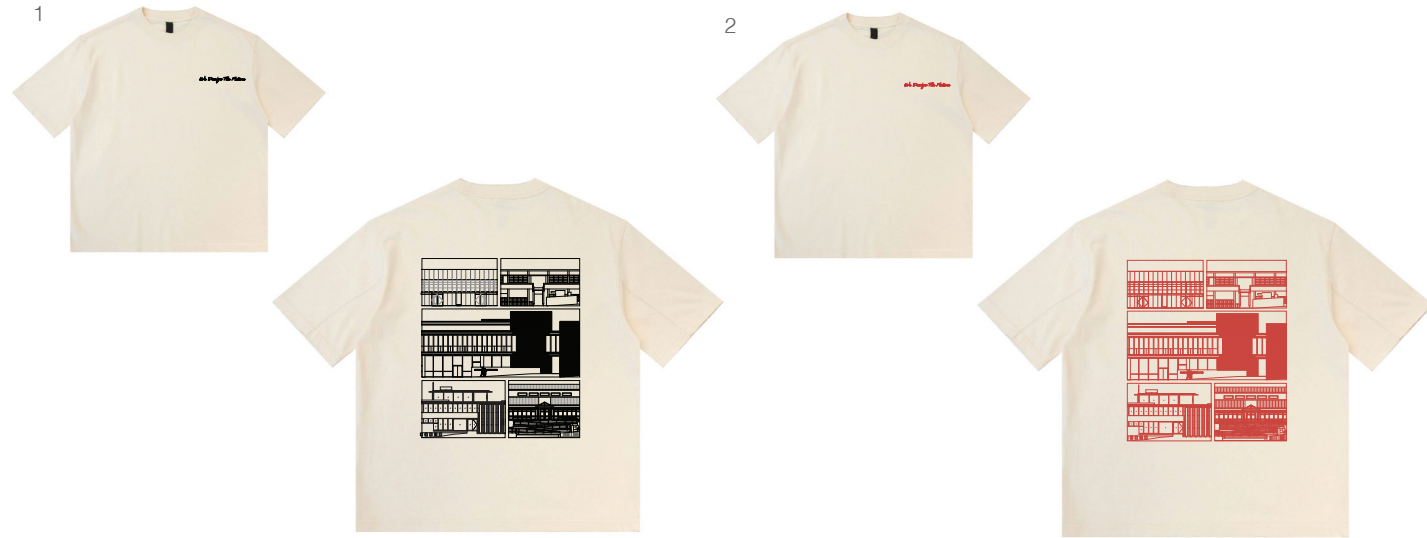


FINAL MODEL PHOTOS

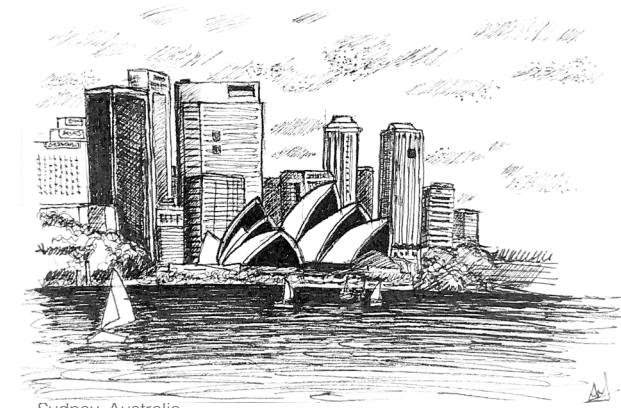


# 03

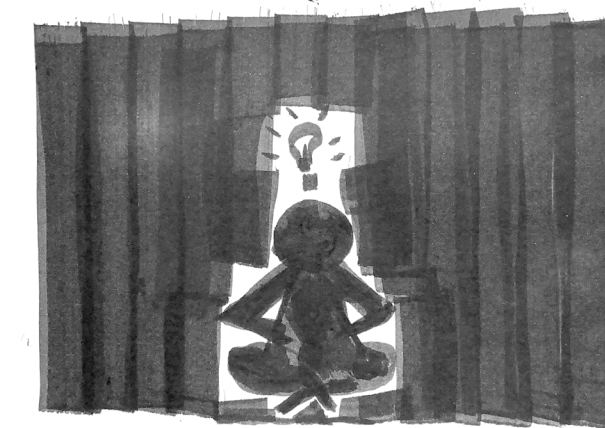
## DRAWINGS & DESIGNS



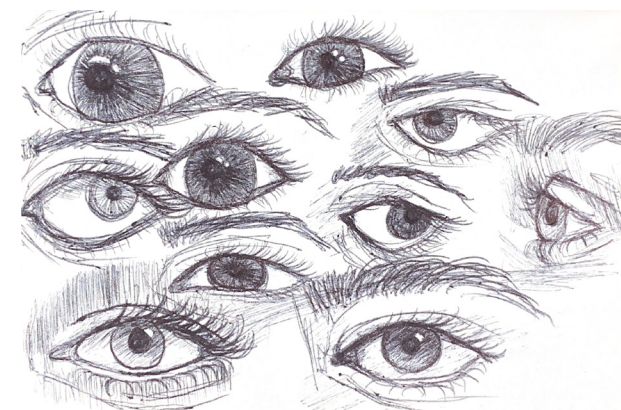
Key West, FL



Sydney, Australia

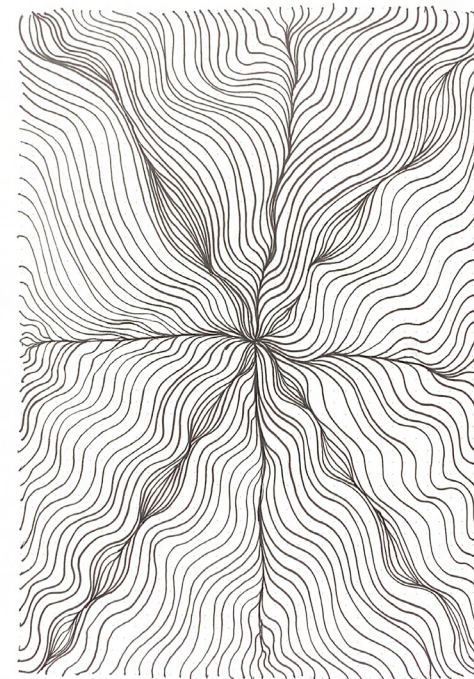


The Idea



Ojos Eyes

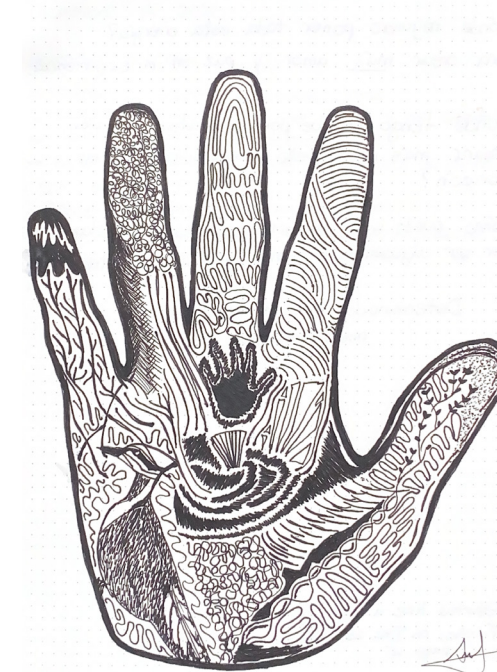




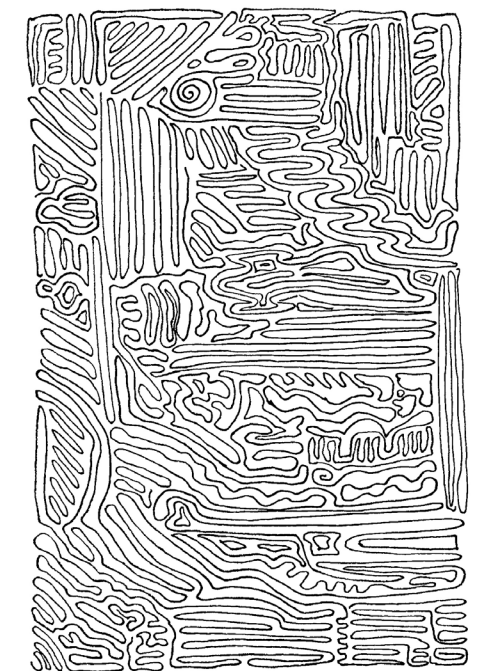
Abstract, Pen



Upsidedown, Collage



Magical Hands, Pen



Labyrinth, Pen

# **ARIANA BURGA**

Bachelor of Arch. | Minor Regenerative Studies | 3rd year  
Cal Poly Pomona



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