Noel Cordero

Architecture Portfolio

CAL POLY POMONA

2019-2021

Selected Work Samples

Noel A Cordero Jr.

Cal Poly Pomona
Fourth Year Architecture Student
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Objective

Experience the work environment at your firm to help me broaden my knowledge of how an architect works in this industry. I want to learn the skills and have the opportunity to take these to college so that I can improve them even further, and return to this career as well experienced and capable candidate of handling any challenges given to me at a firm like yours.

Education

Bachelors in Architecture at Cal Poly Pomona (2017-Present)

Experience

Summer Intern at TCA ARCHITECTS (Summer 2019)

Assisted in organizing the construction document sets with the Project Architect.

Worked on residential apartment unit plans from the design concept drawings and transferred them into the computer drafting program.

I was also given the opportunity to pick up red-line mark-ups from the Project Architect to assist in revising the construction documents

Awards

Cal Poly Pomona : Interim Student Exhibition (August 2019)

Skills

Programs

Revit, Rhino, AutoCAD, Adobe InDesign, Photoshop, Illustrator, Word, Excel, and Model Making, BlueBeam

Languages

English and Spanish (oral and written)

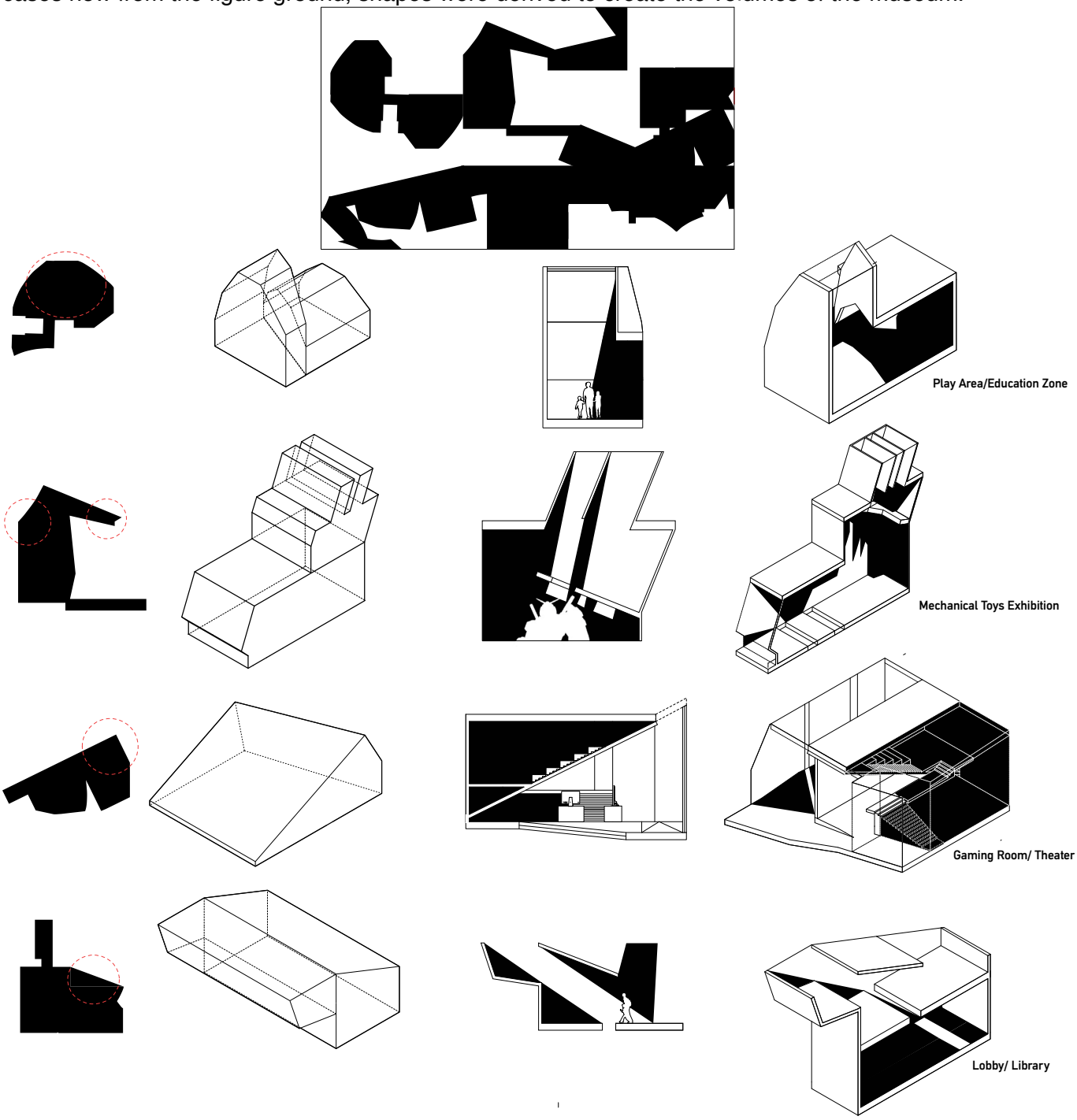
Selected Works

Architecture Portfolio (2019-2021)

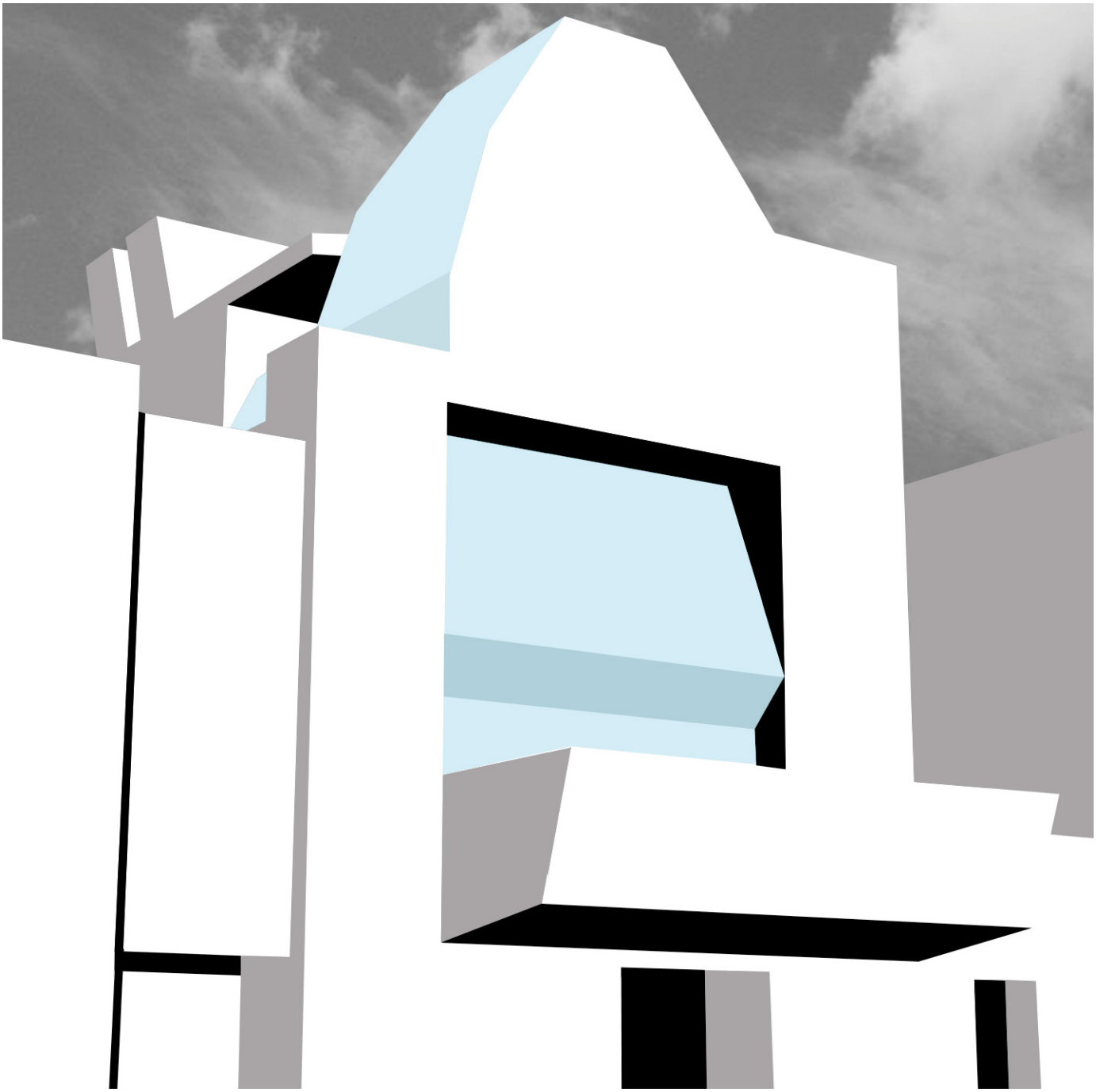
04 Toy Museum (2019)
12 Mountain Retreat (2019)
24 Compton College (2020)
40 Villa Onde (2021)

Toy Museum (Spring 2019)

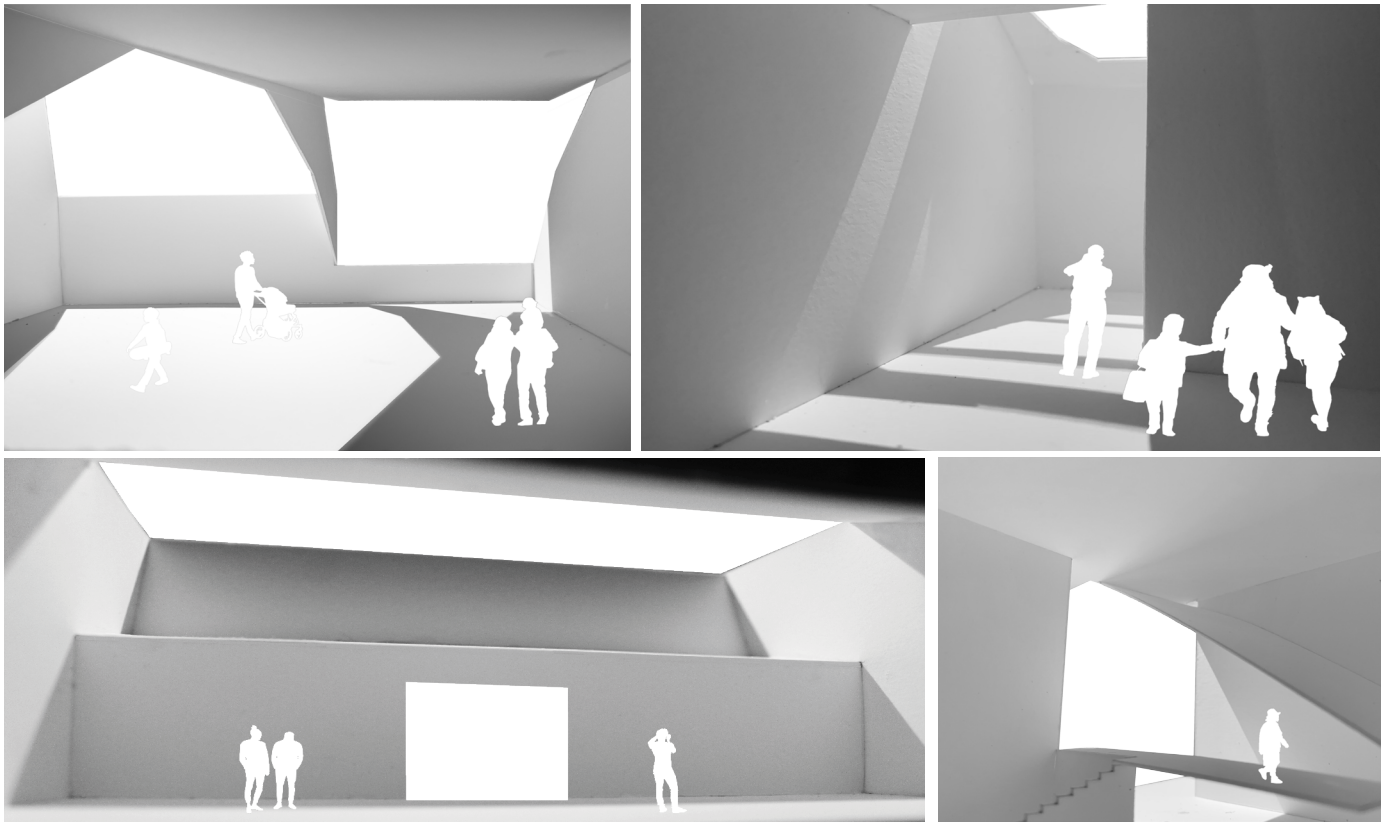
With the use of a figure ground I was able to create the form of my museum. The main concept behind my design of the museum was placing the main volumes/spaces in places where they would either receive a lot of light or not receive light at all. Later I would create apertures in these volumes that way lights can move through to other spaces that don't necessarily receive light. The apertures in these spaces will either wash or direct light to these other parts of the museum. In other words the volumes are the sources of light in this museum and the light indicates the programing too. The diagram below showcases how from the figure ground, shapes were derived to create the volumes of the museum.



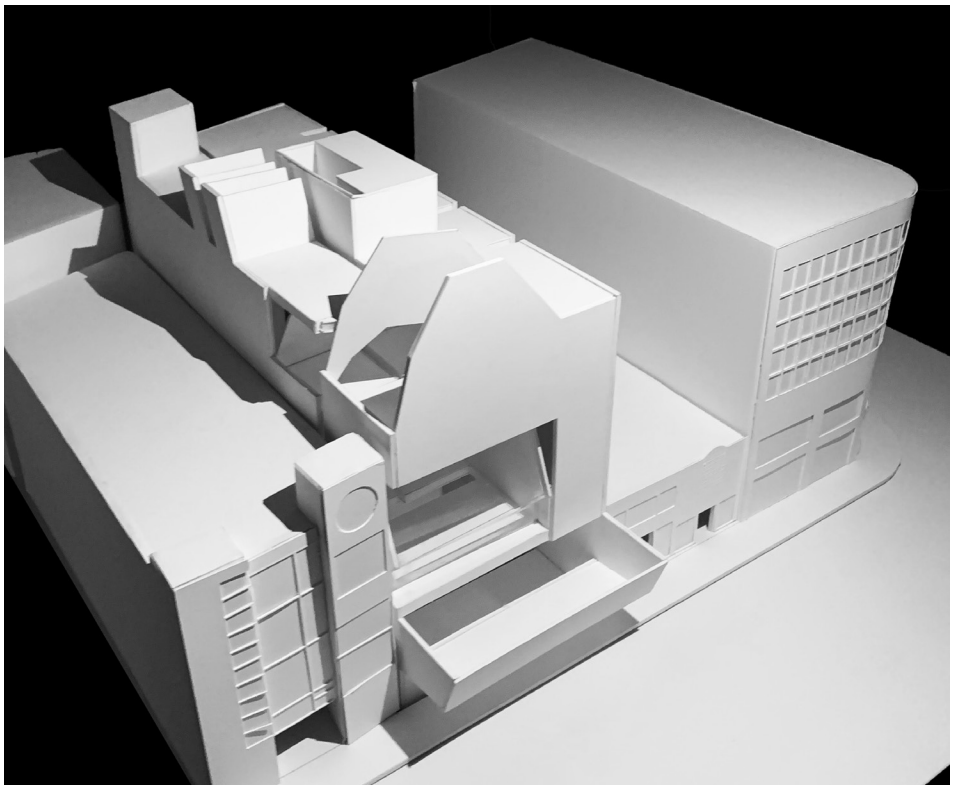
Process Diagram on how the figure ground shapes were made into actual volumes for the museum. And shows how the light passes through the openings.



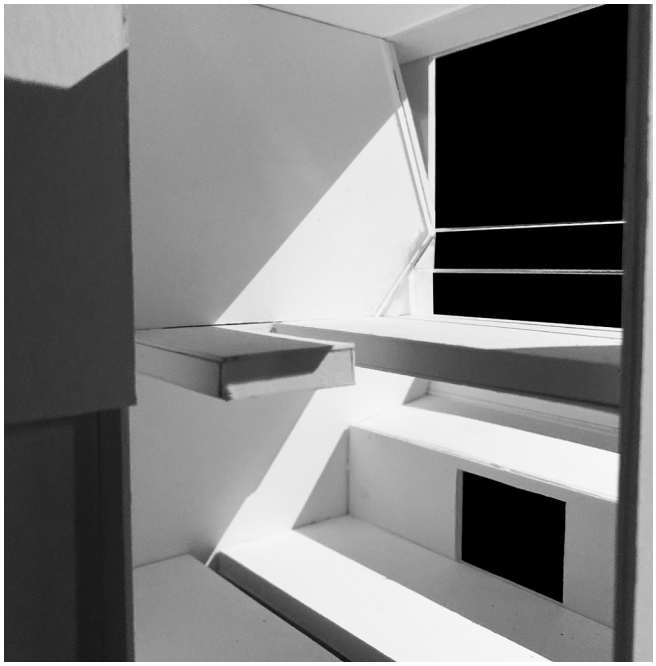
Exterior Renderings



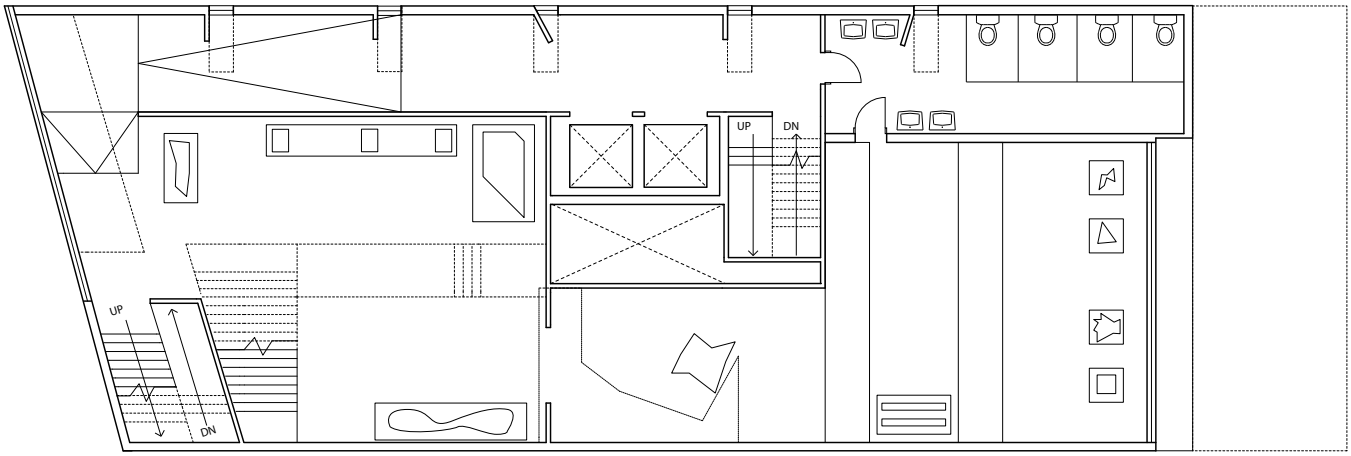
Interior Renders



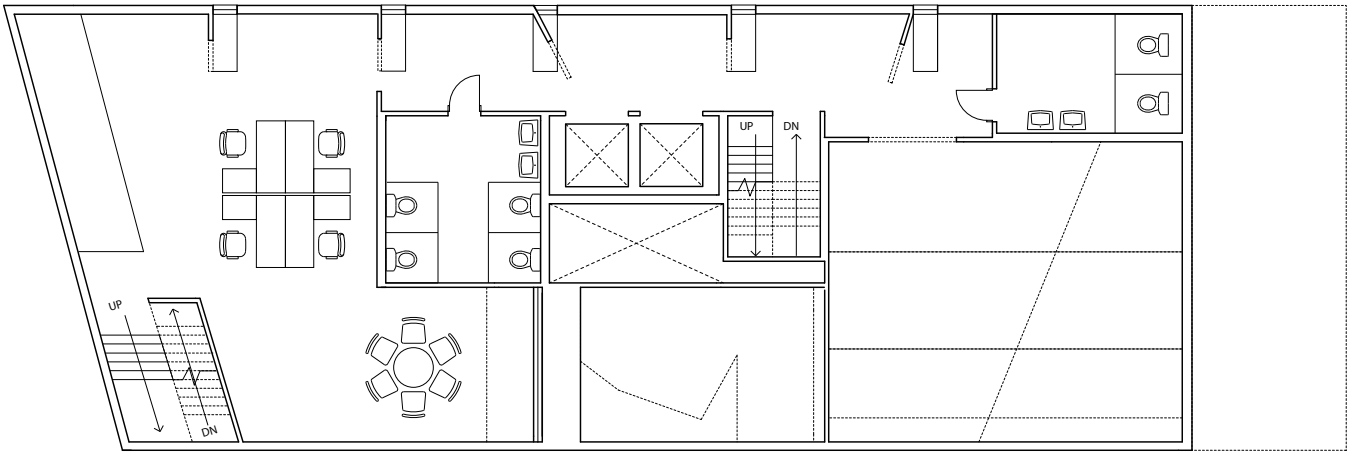




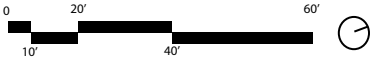
Pictures of Physical Model



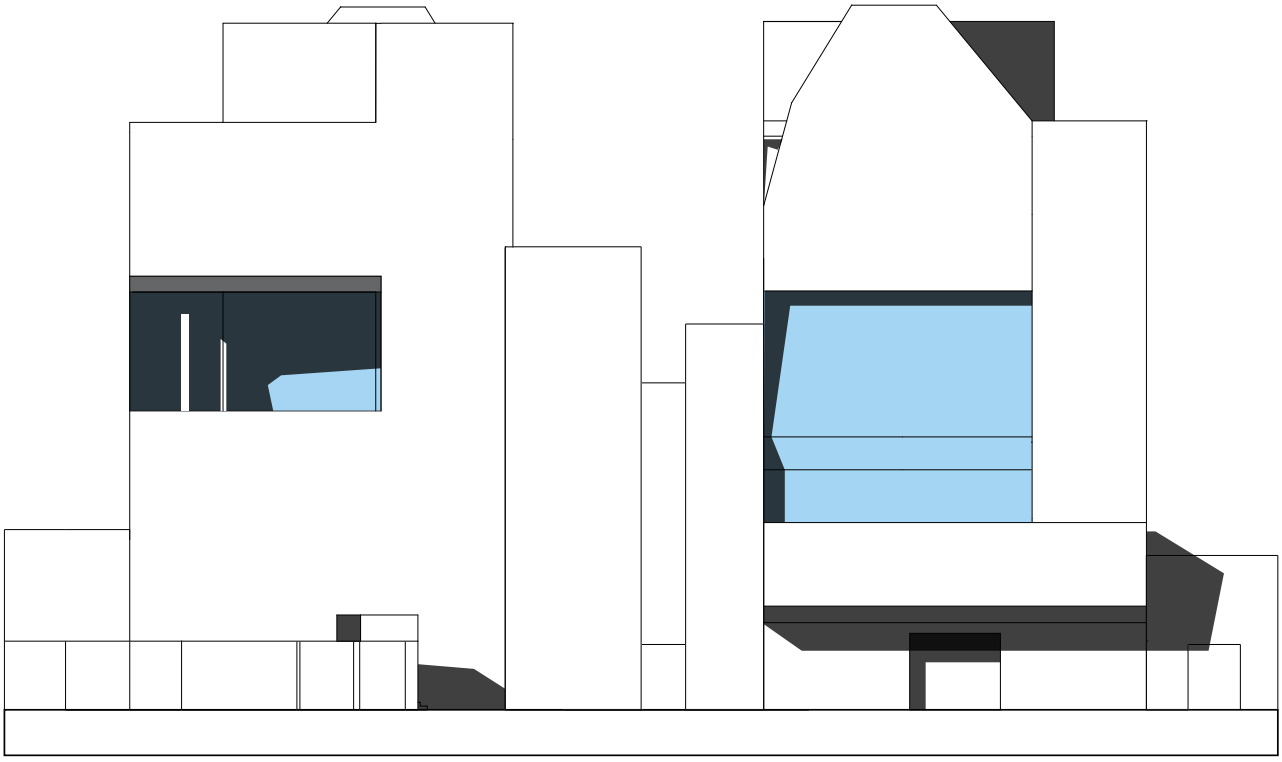
2nd Floor



3rd Floor

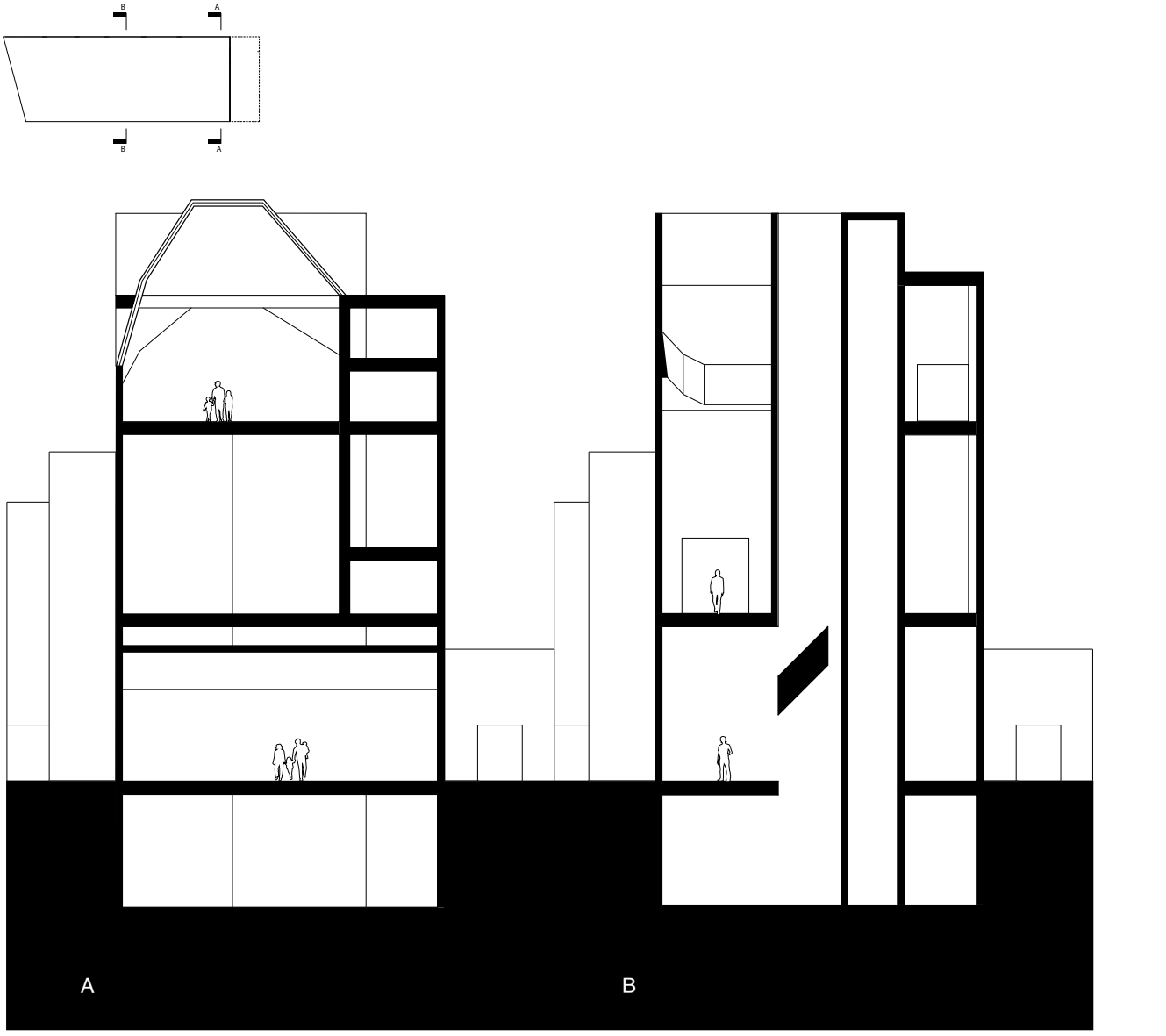


Floor Plans

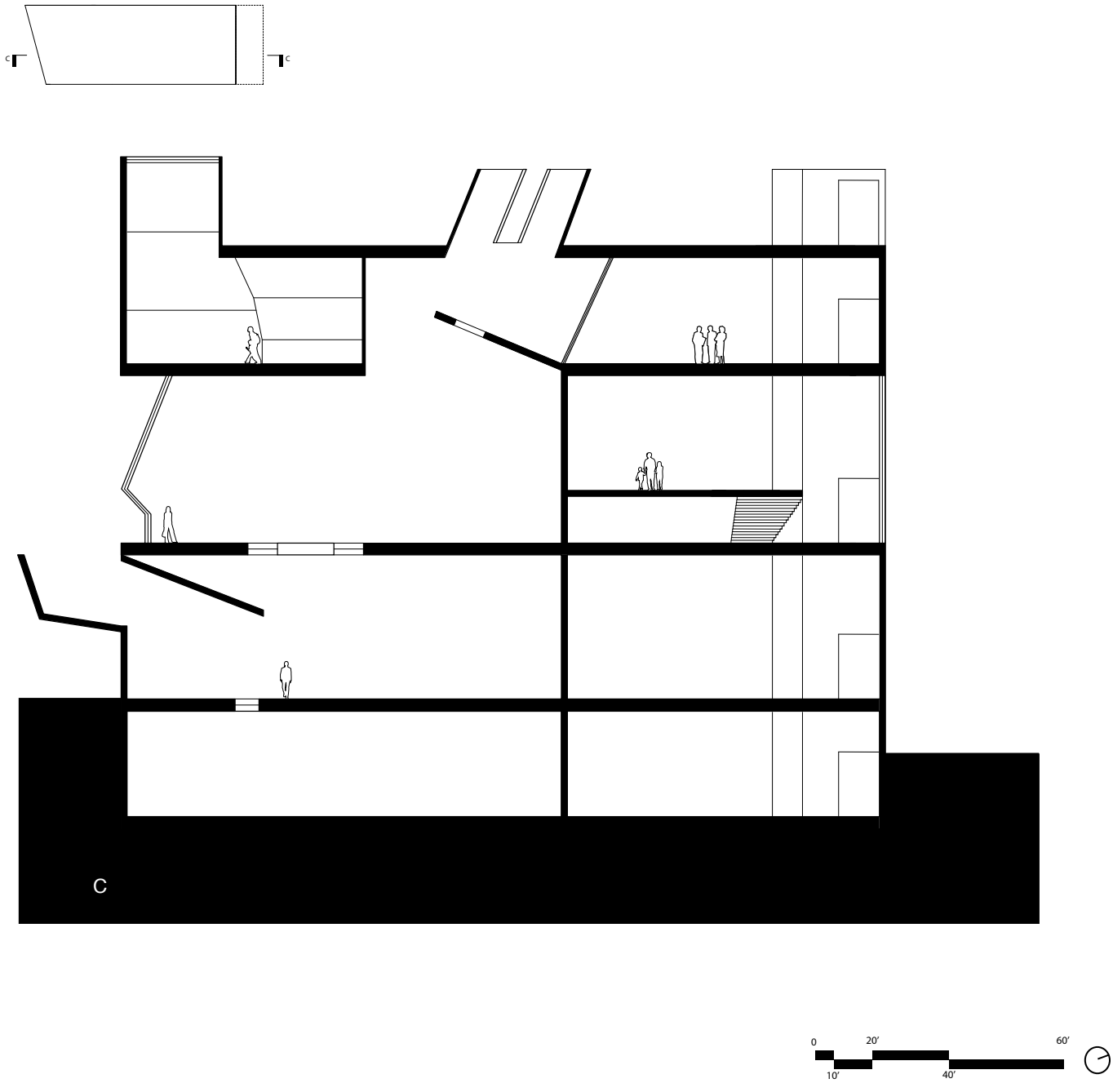


Back Elevation *Front Elevation*

Elevations



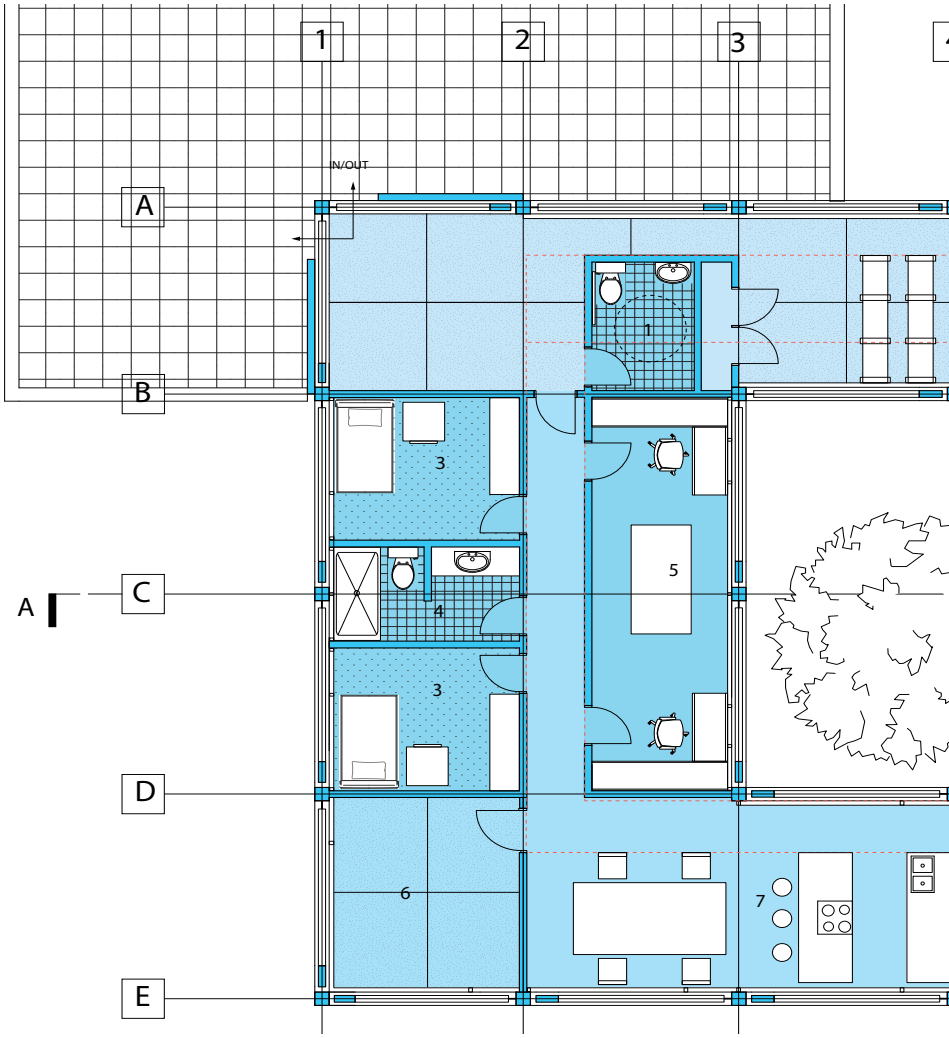
Section Cuts



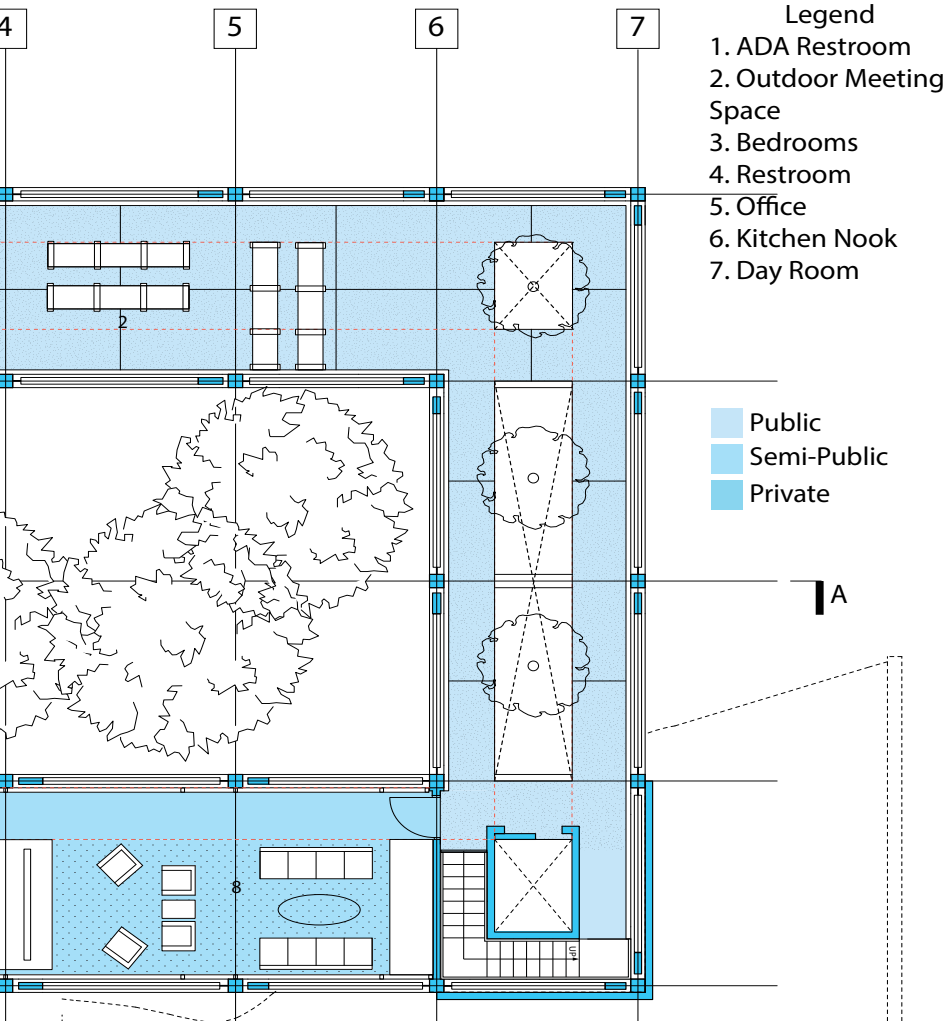
Section Cut

Mountain Retreat (Fall 2019)

The purpose behind this building was that it would house two scientist and they would be able to host various meetings with other scientists and be able to work there too. The concept of the house is having two L shaped buildings connected together that would cantilever over the
mountains. To be able to access this house there are both stairs and an elevator for people to use. One part of the building would house the two scientist, their office, kitchen, and bedrooms, and the other part of the building would be an open space that would be available for the meetings that would take place there with other people. This would leave an open space in the middle for trees to grow through.



Floor



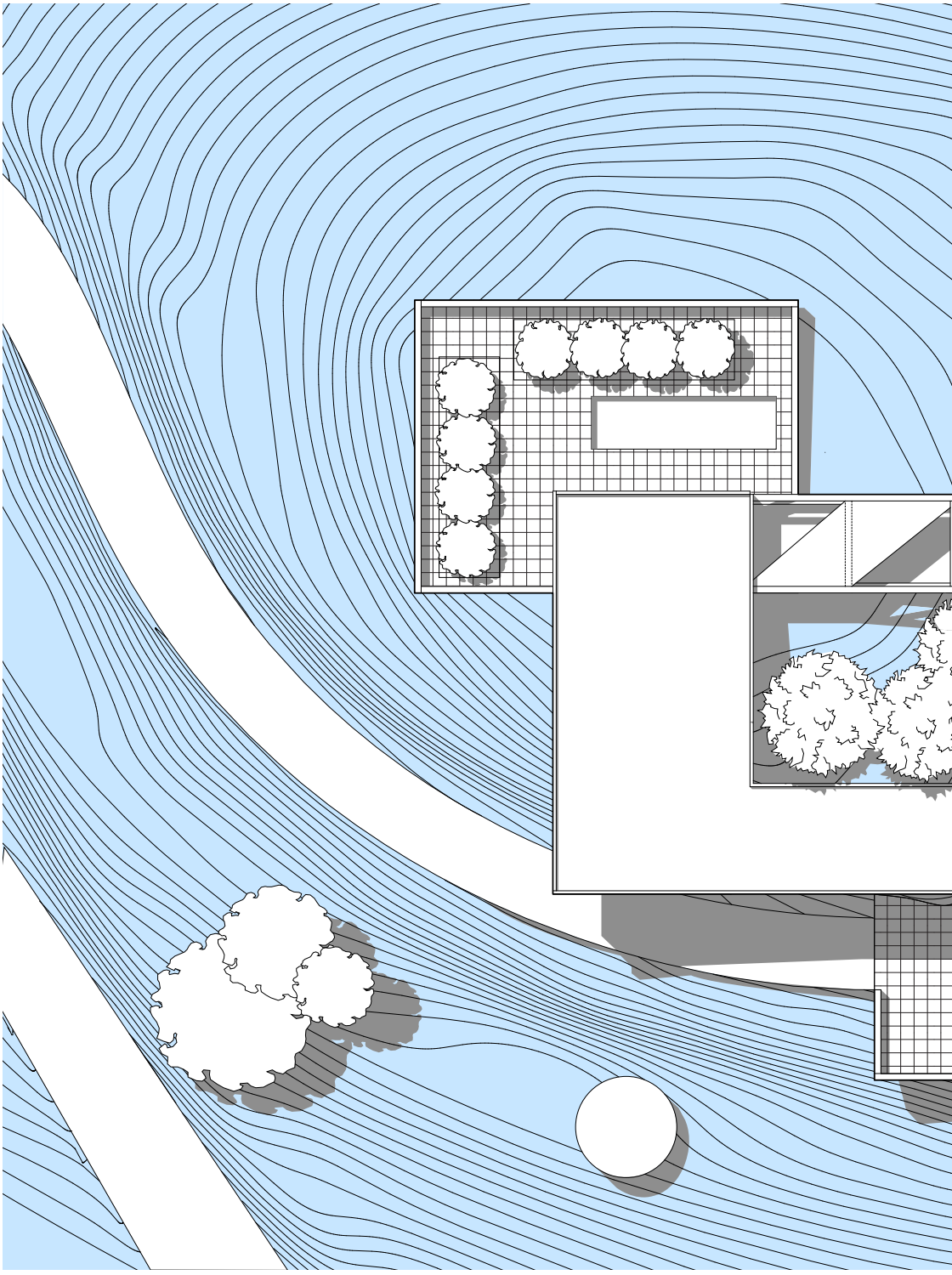
Legend

1. ADA Restroom
2. Outdoor Meeting Space
3. Bedrooms
4. Restroom
5. Office
6. Kitchen Nook
7. Day Room

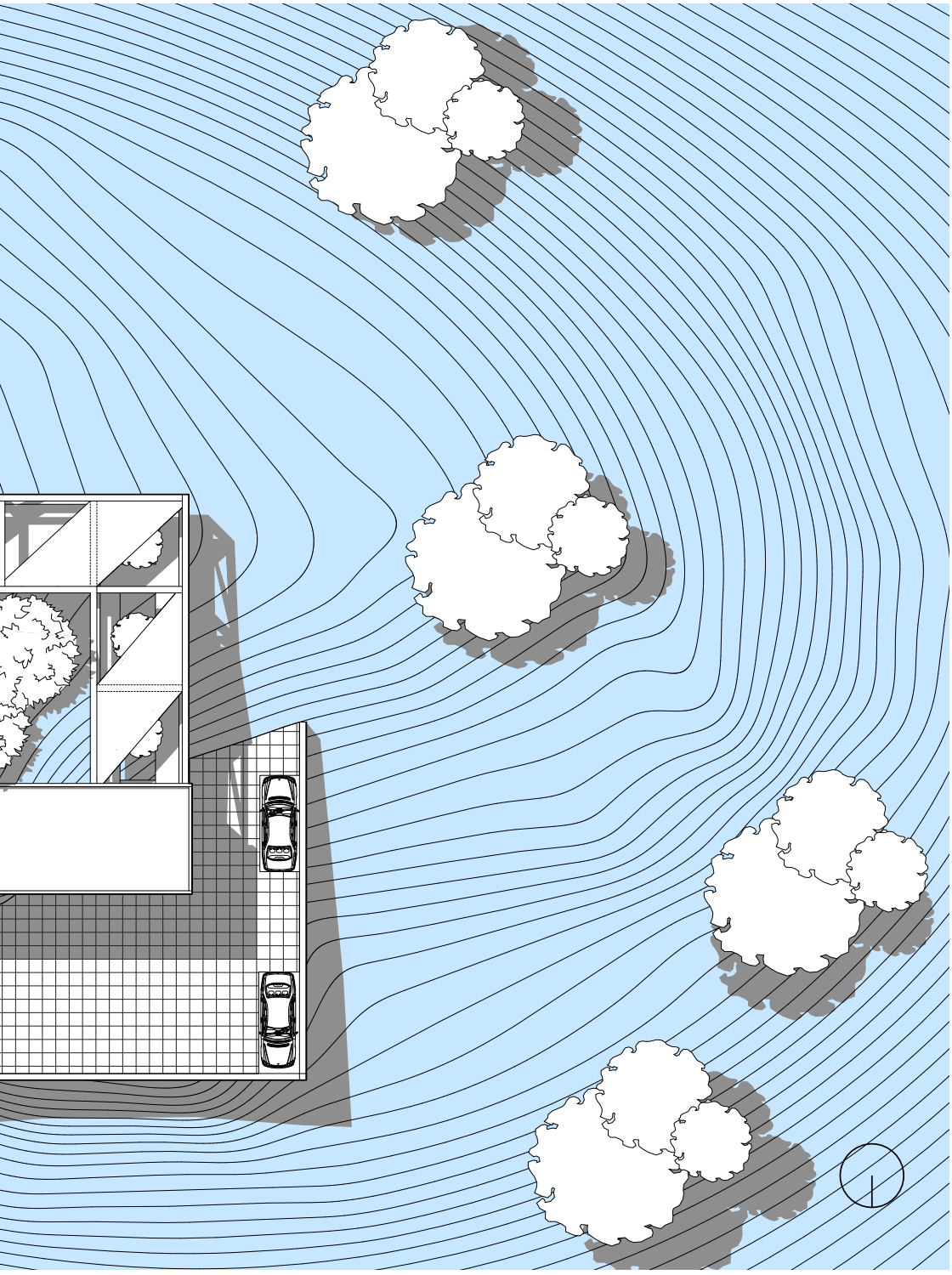
Public
Semi-Public
Private

Plan

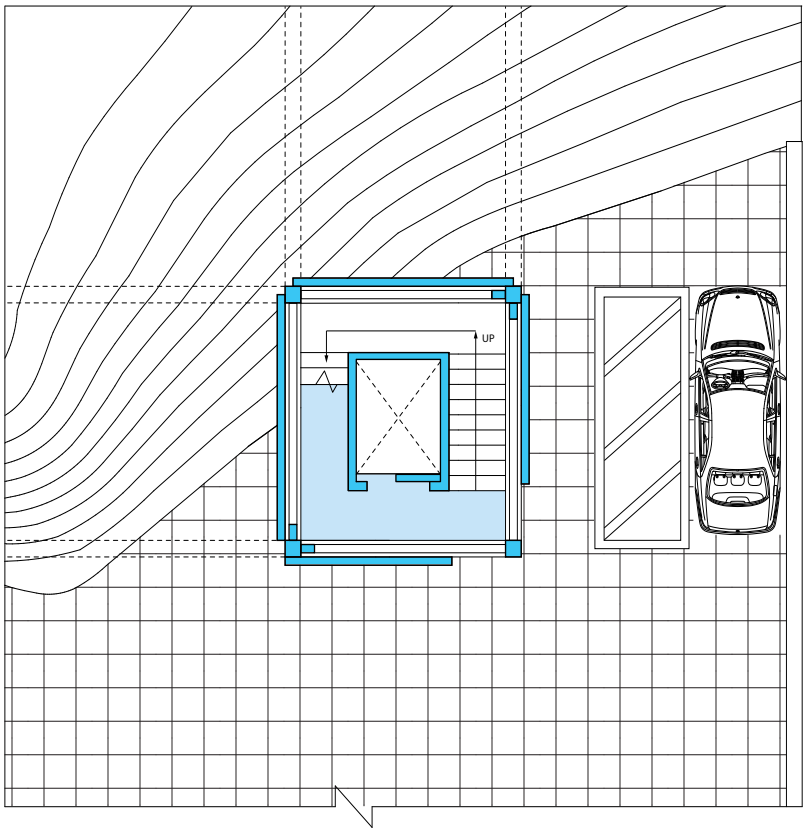
Site



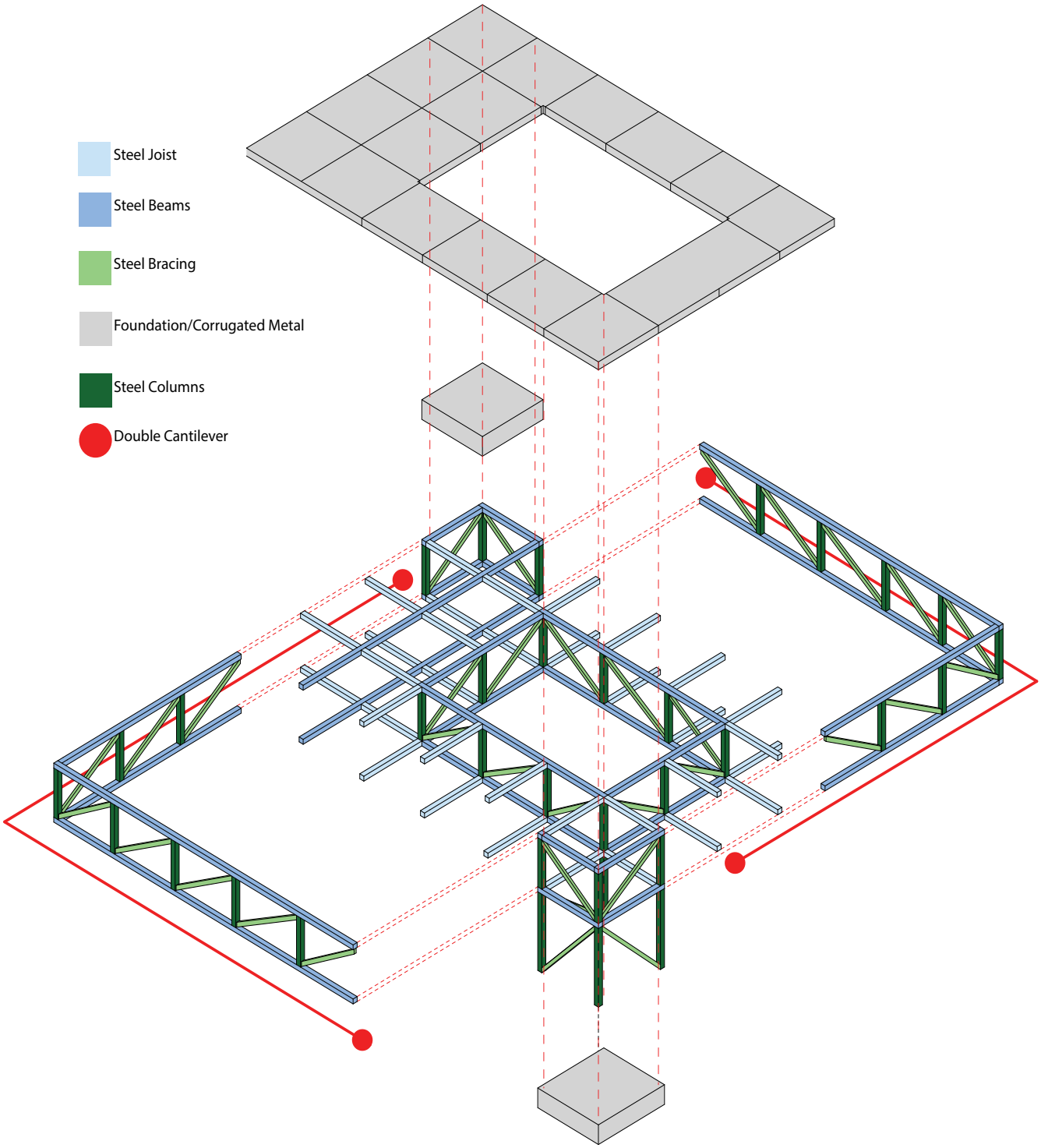
Site



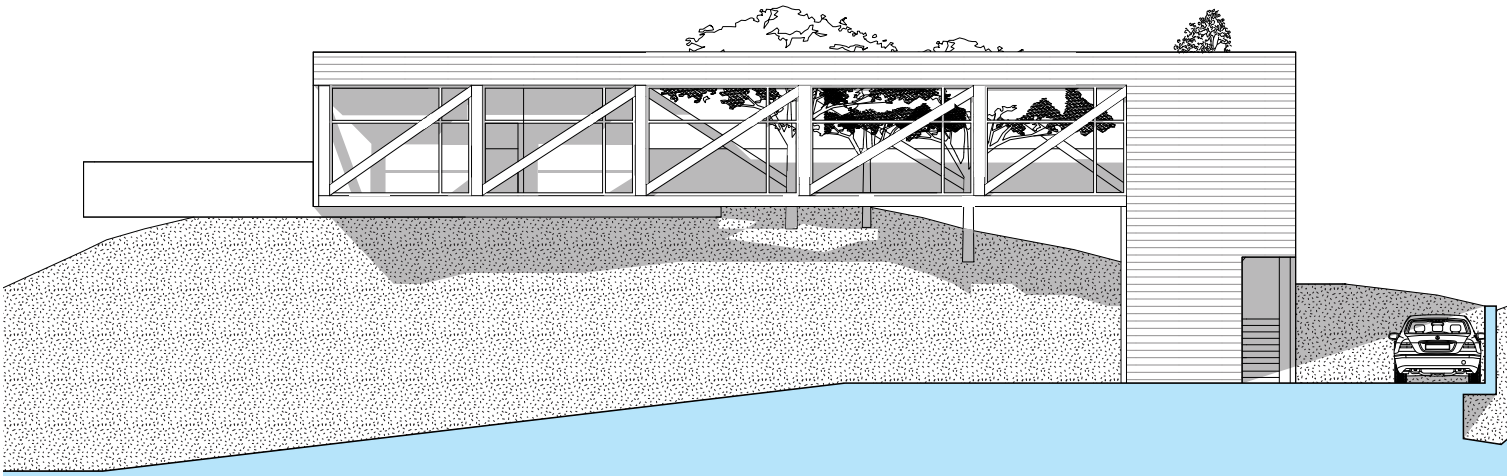
e Plan



Floor Plan

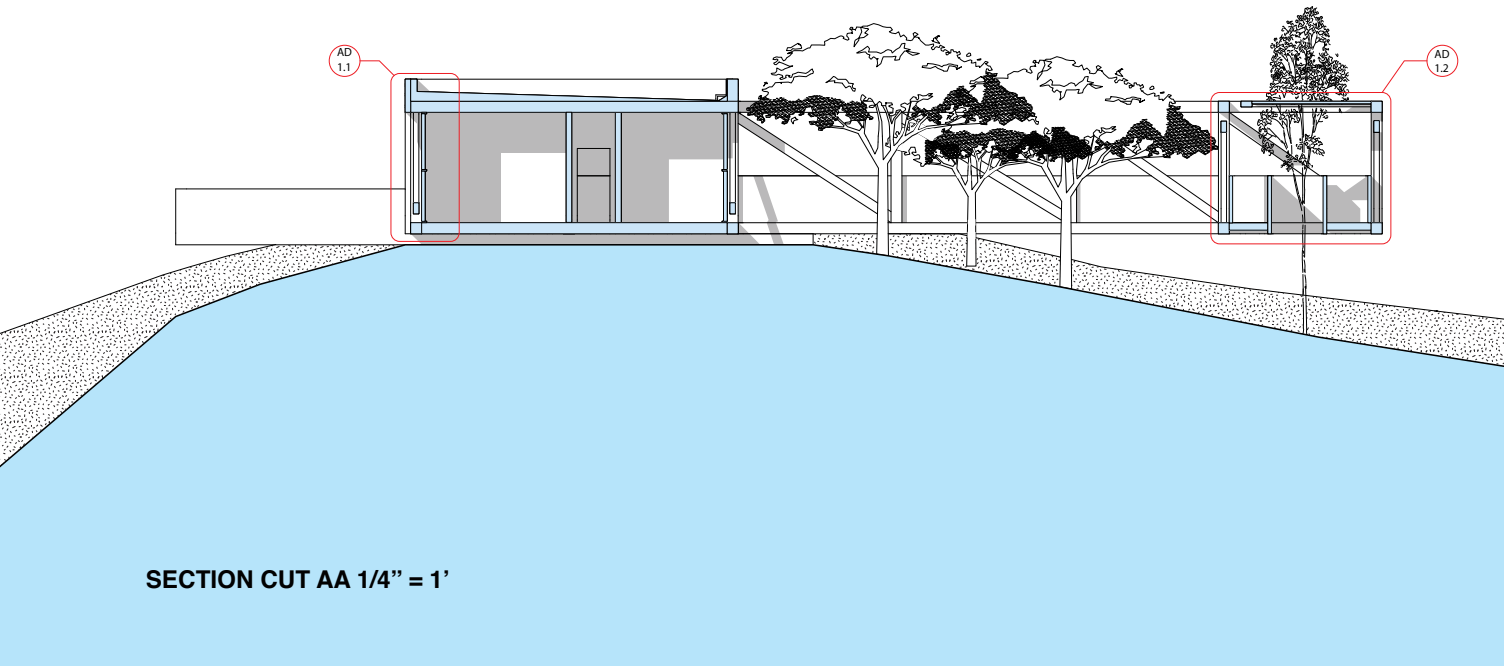


Axon Diagram showing how the structure of the building works



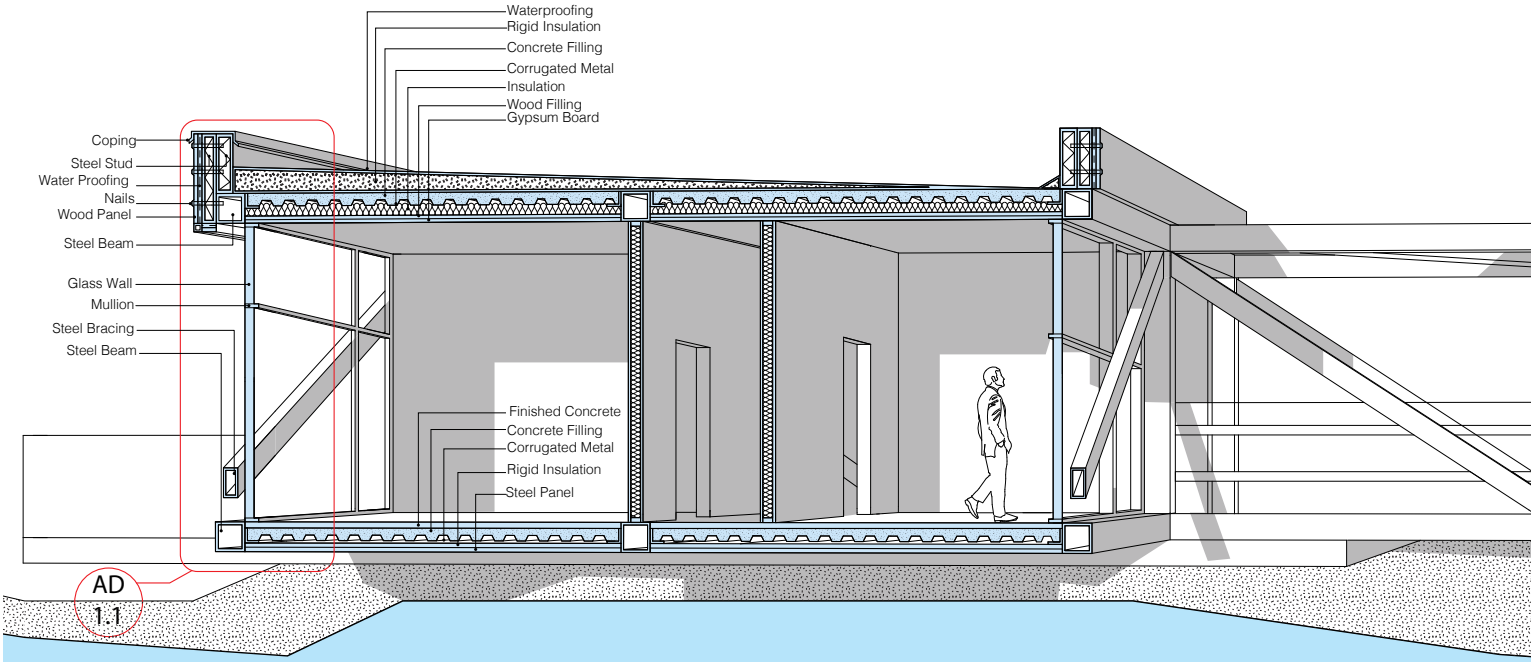
ELEVATION 1/4” = 1’

Sectio



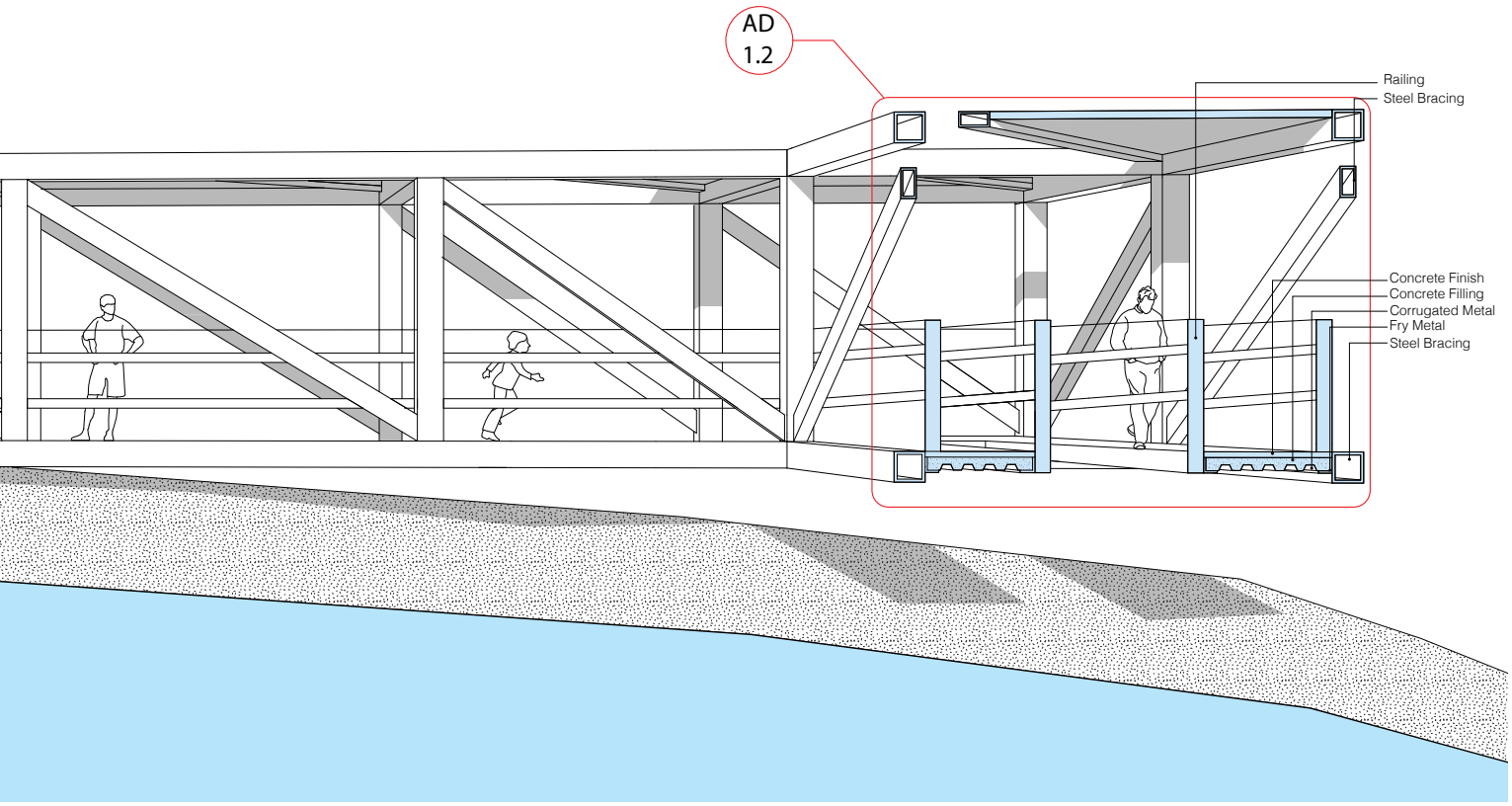
SECTION CUT AA 1/4” = 1’

n Cut

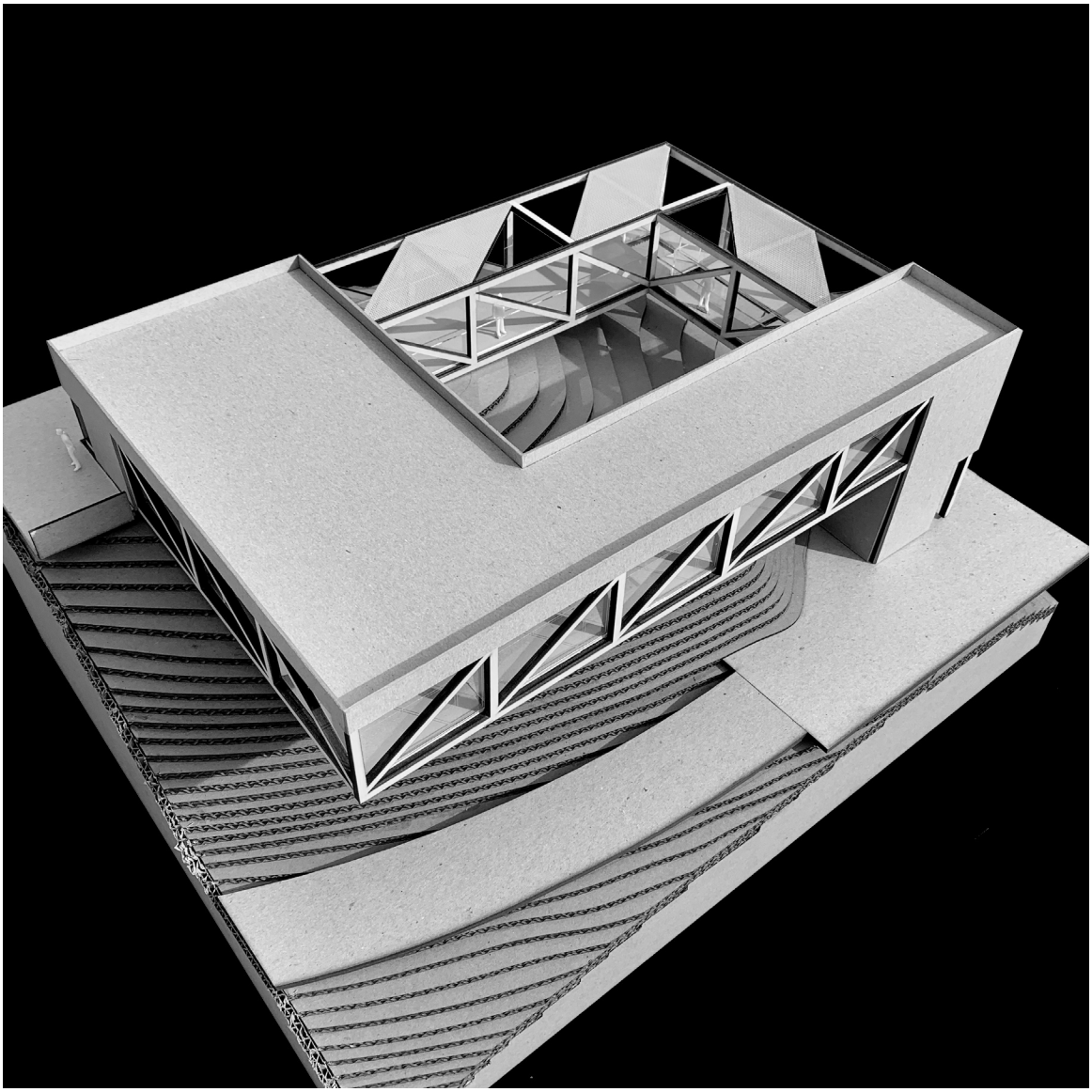


ARCHITECTURAL DETAILS 3/4" = 1'

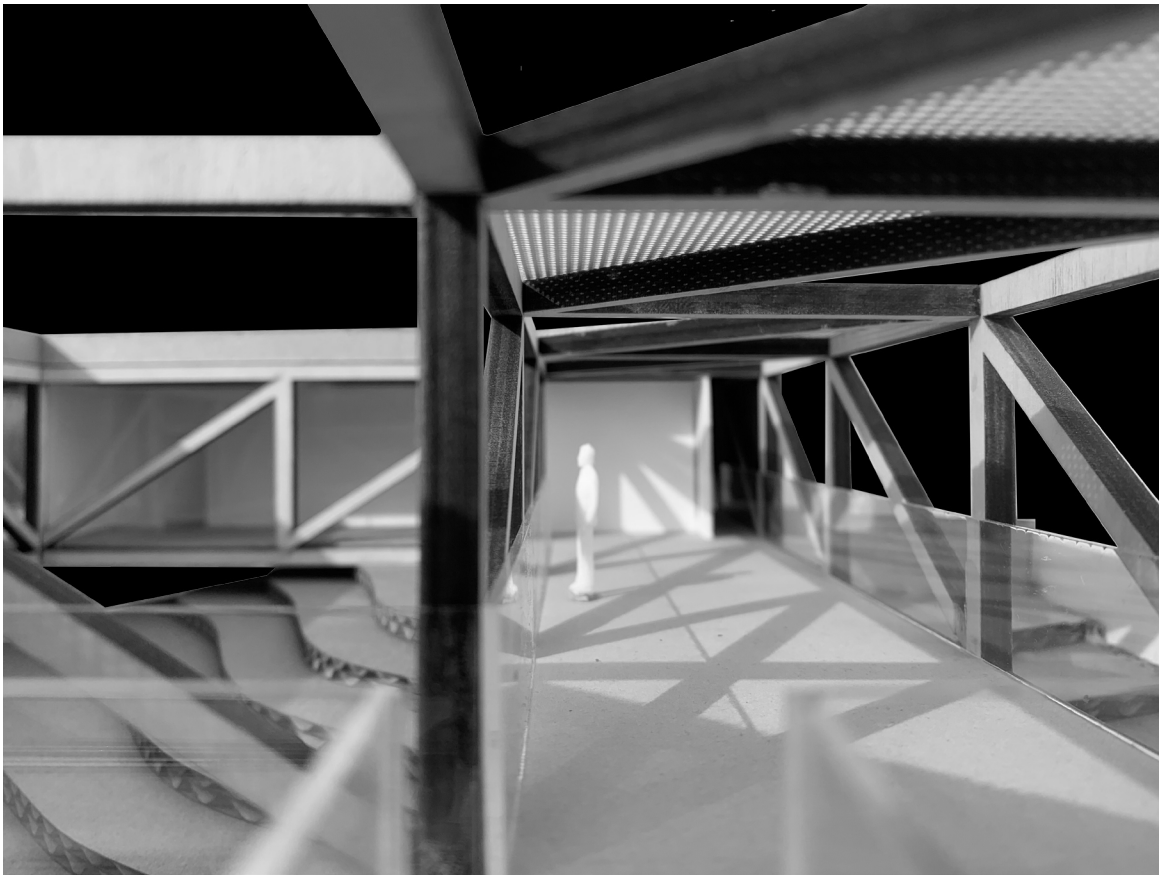
Architectu


AD
1.2
Railing
Steel Bracing
Concrete Finish
Concrete Filling
Corrugated Metal
Fry Metal
Steel Bracing

ral Details



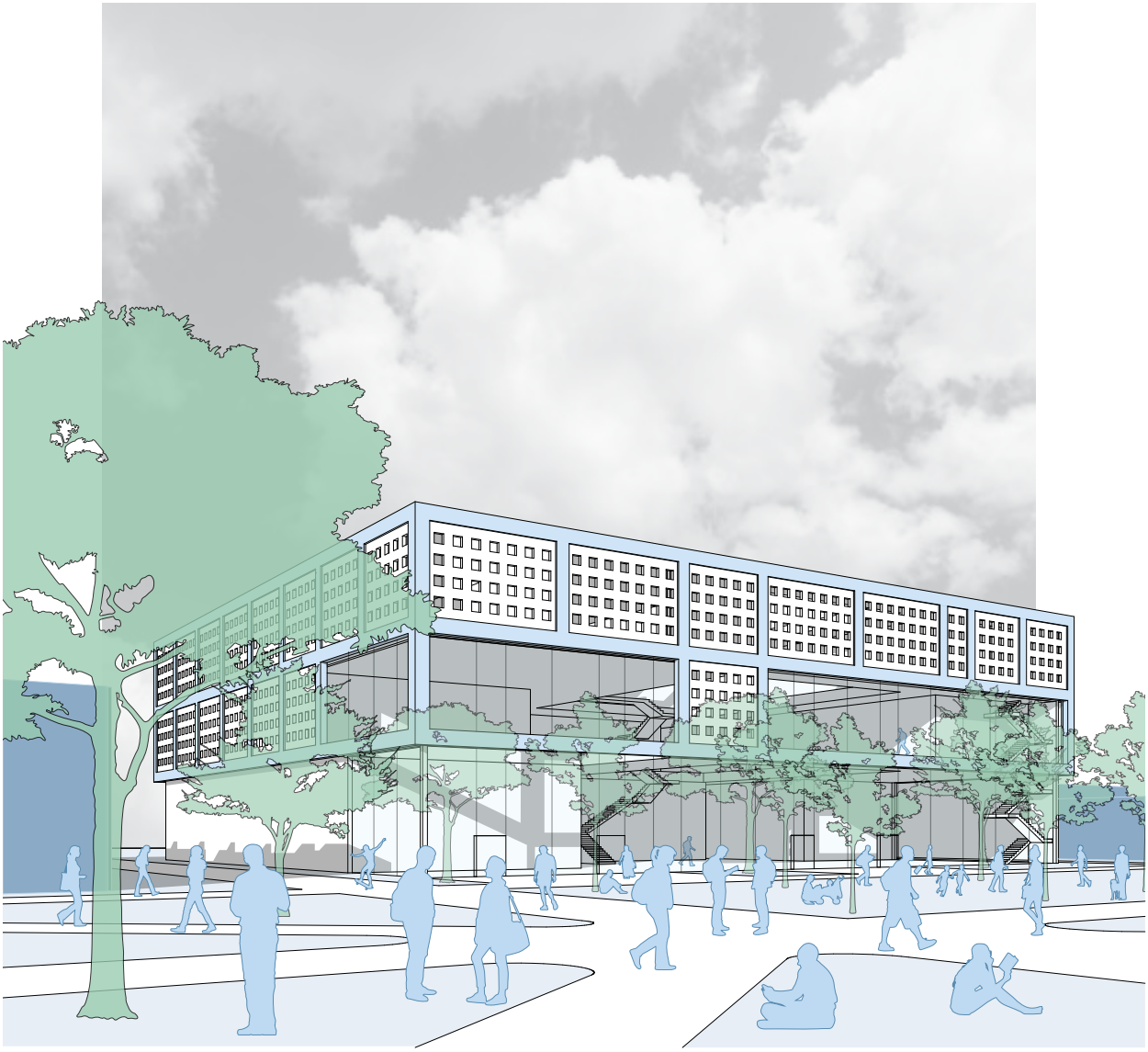
Physical Model



Interior Shot of Physical Model

Compton College (Fall 2020)

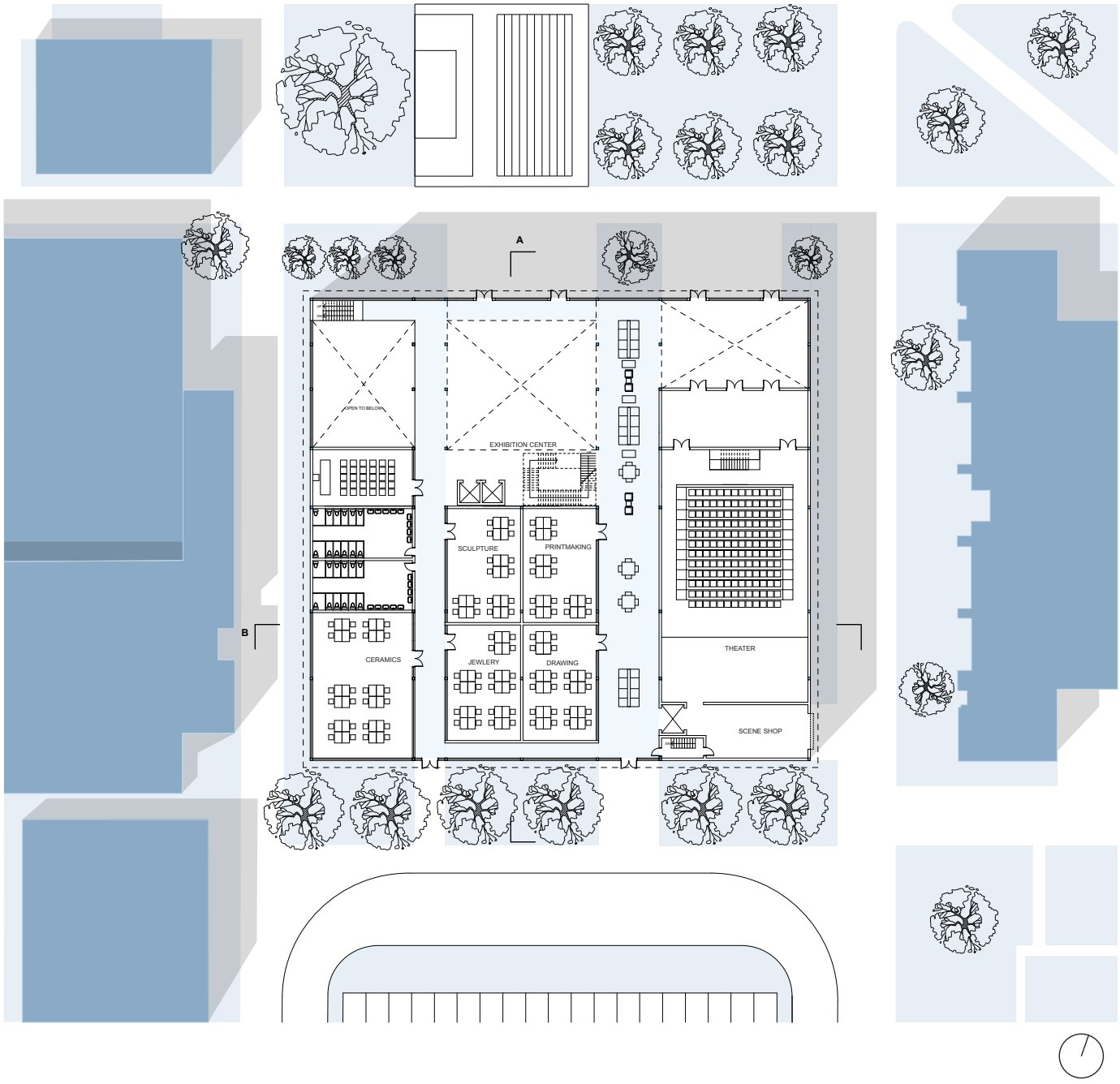
As a proposed building for Compton College, this Visual Arts Building houses a Theater, Exhibition Center, Film Room, and other facilities such as classrooms and studios. This building aims to have students take classes and invite other students and visitors to spaces like the theater and exhibition center, which is considered when designing this building—taking the concept of elongated spaces, allowing for the program's placement on either side of the hallways. I made one of the elongated spaces wider than the other one to allow for moments of informal spaces to occur. There are rooms and spaces dedicated to subjects like Film, Theater, Dance, and Photography on the four floors. On each of the floors, there are communal spaces to encourage different types of learning and interactions. The central communal space is on the top floor, where students can study and talk to one another. This educational building successfully creates dedicated spaces for academic learning and experience and informal learning areas, thanks to the concept of the elongated hallways



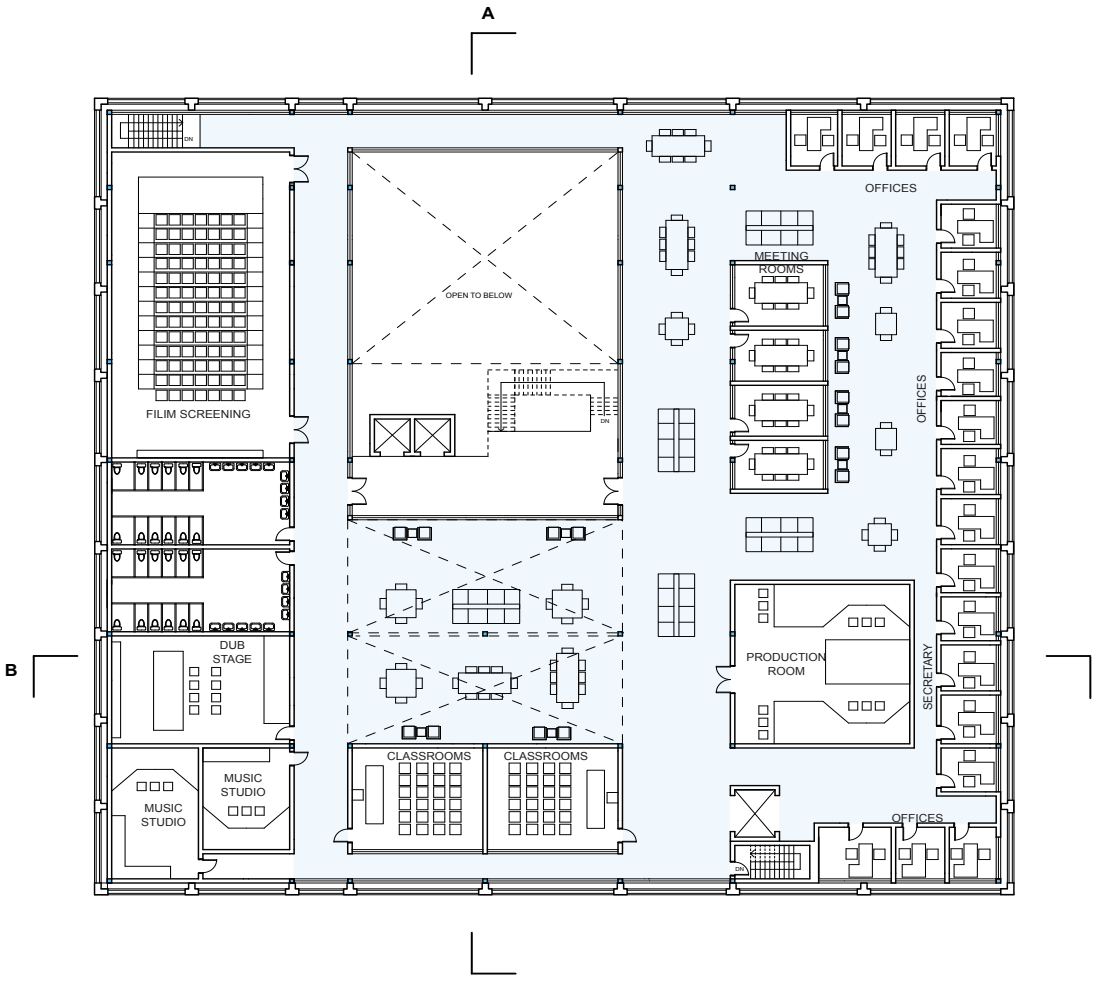
Perspectives from the Northside



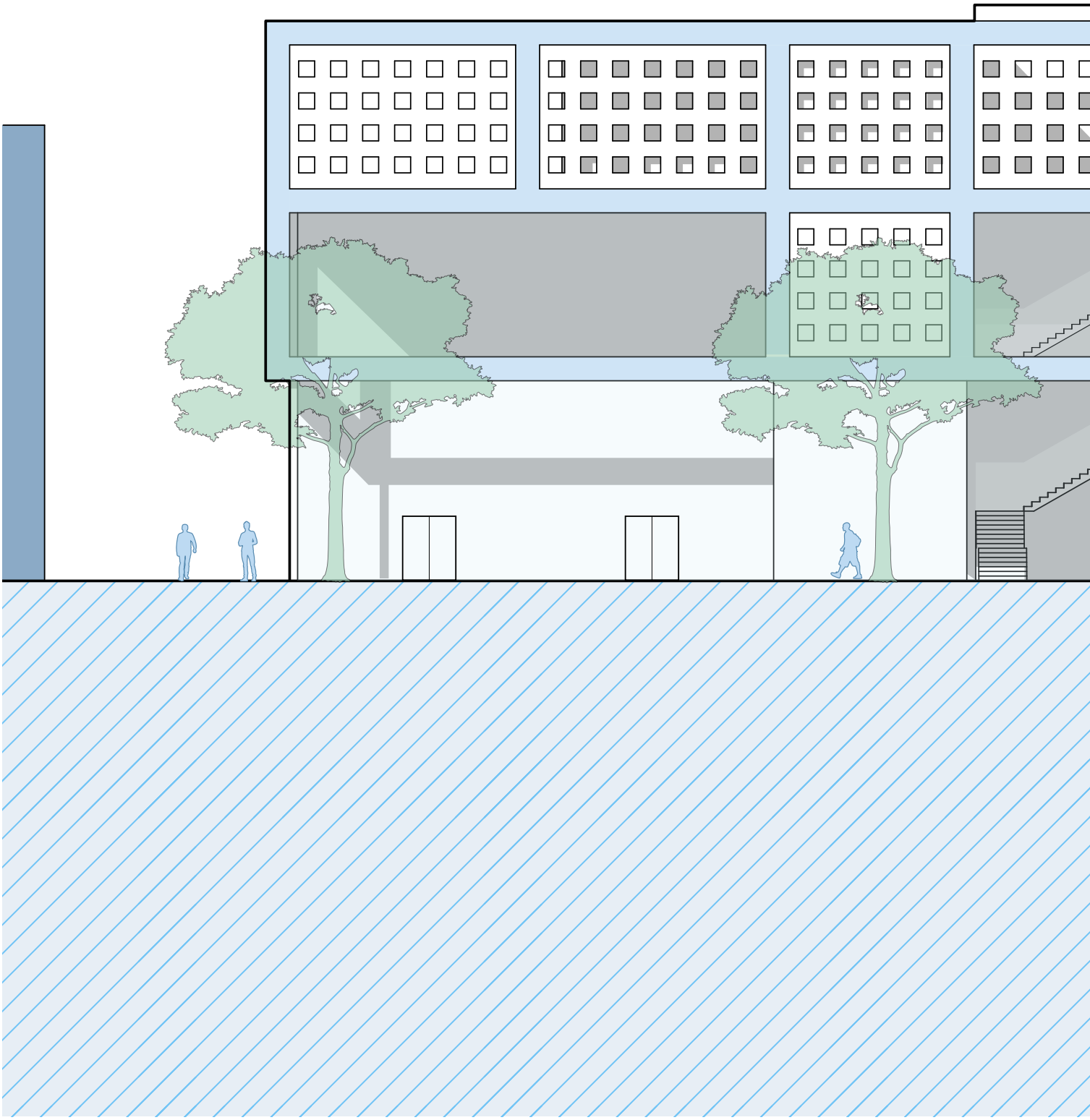
quad and Southside parking lot



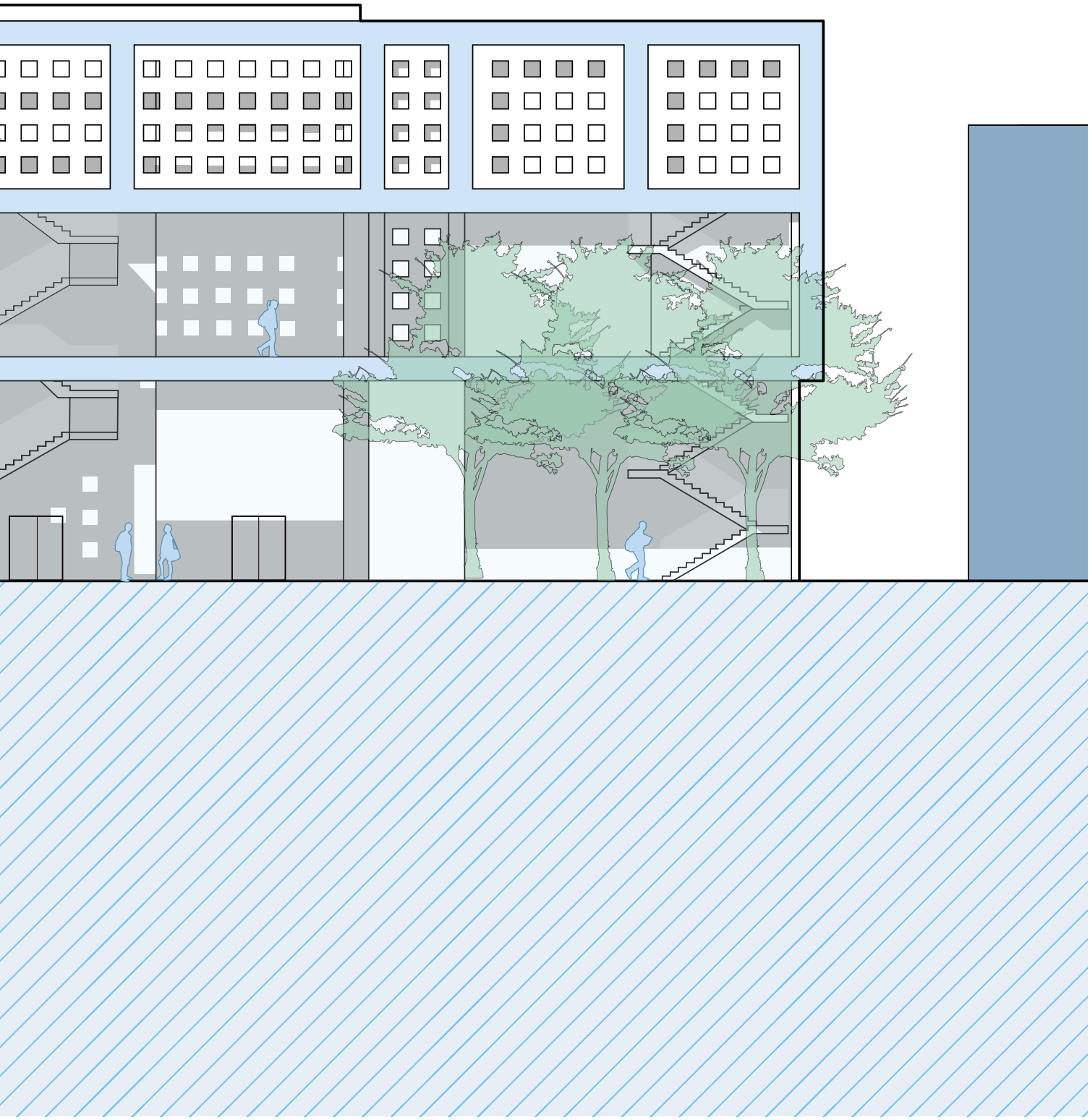
Ground Floor Plan


A
B
OFFICES
MEETING ROOMS
OPEN TO BELOW
FILIM SCREENING
OFFICES
DUB STAGE
PRODUCTION ROOM
SECRETARY
CLASSROOMS
CLASSROOMS
MUSIC STUDIO
MUSIC STUDIO
OFFICES

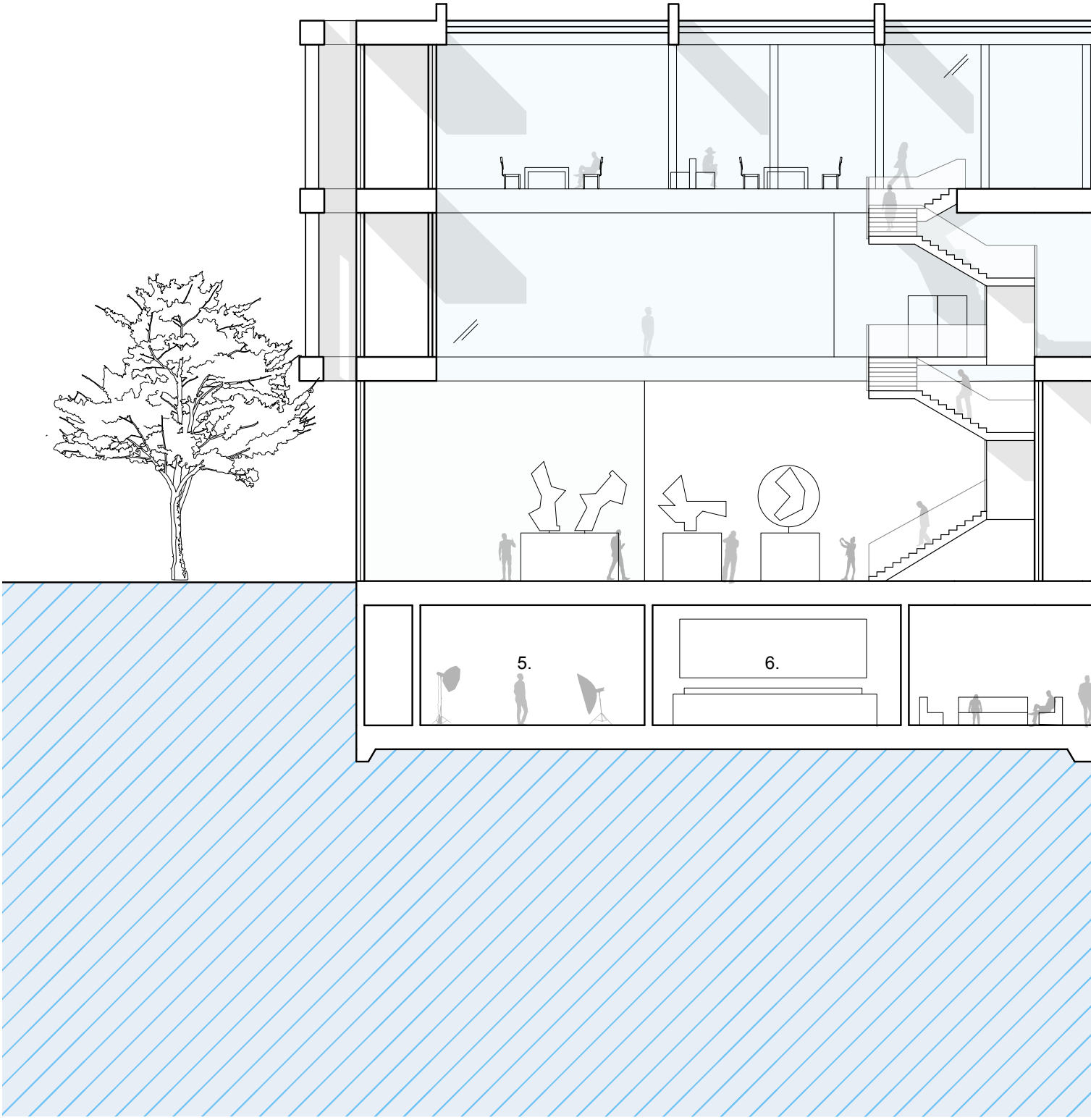
Third Floor



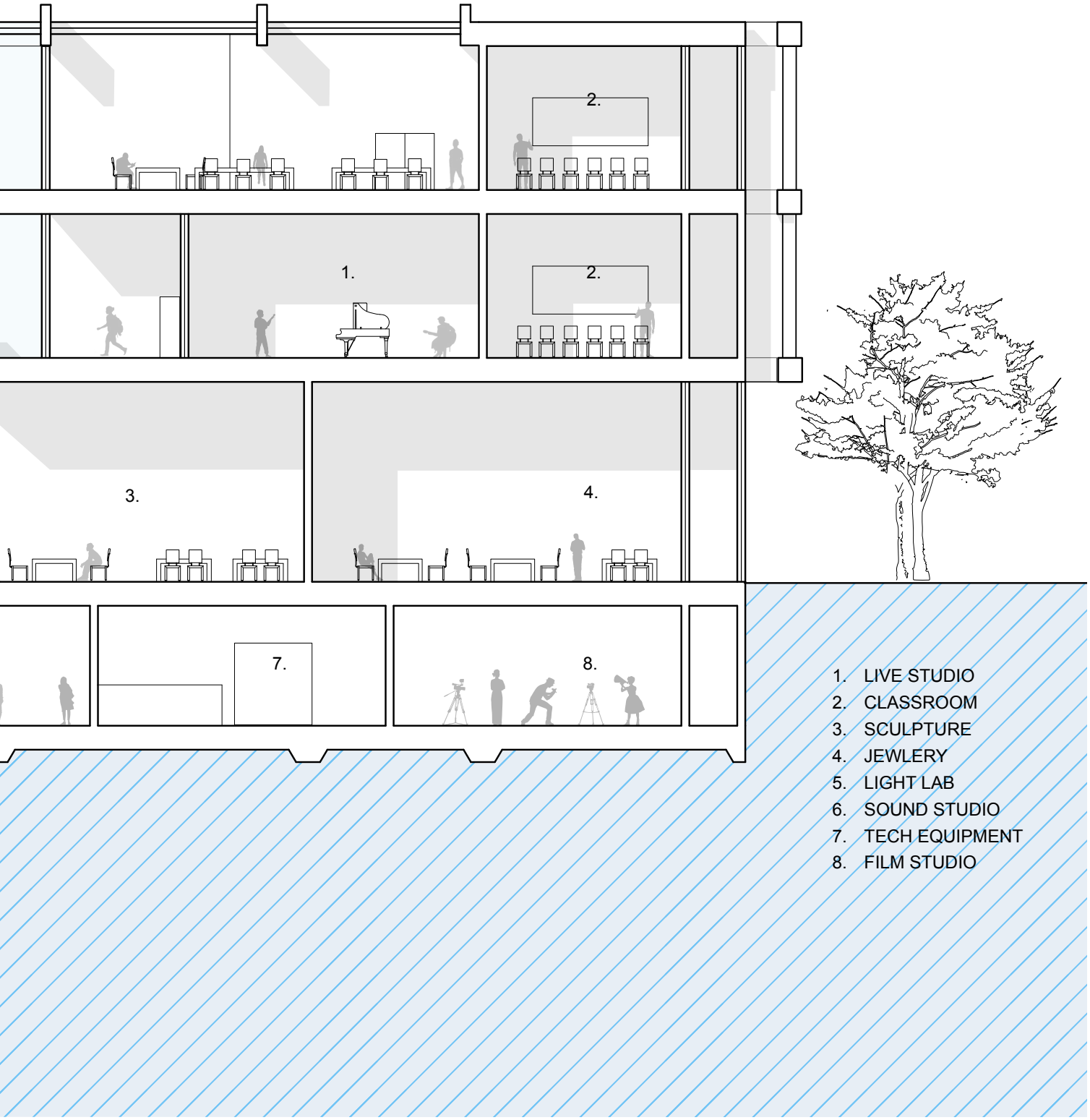
North E



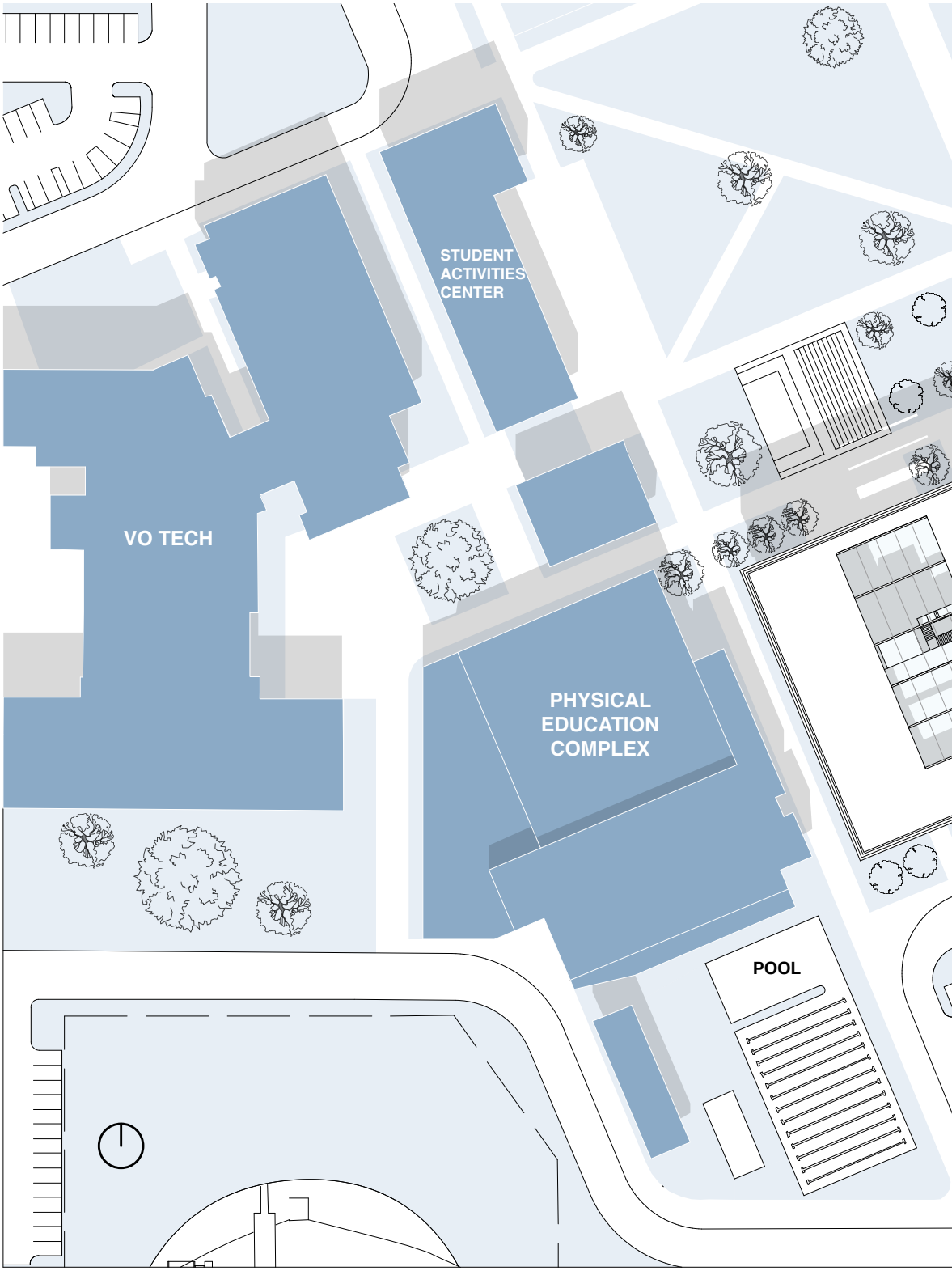
levation



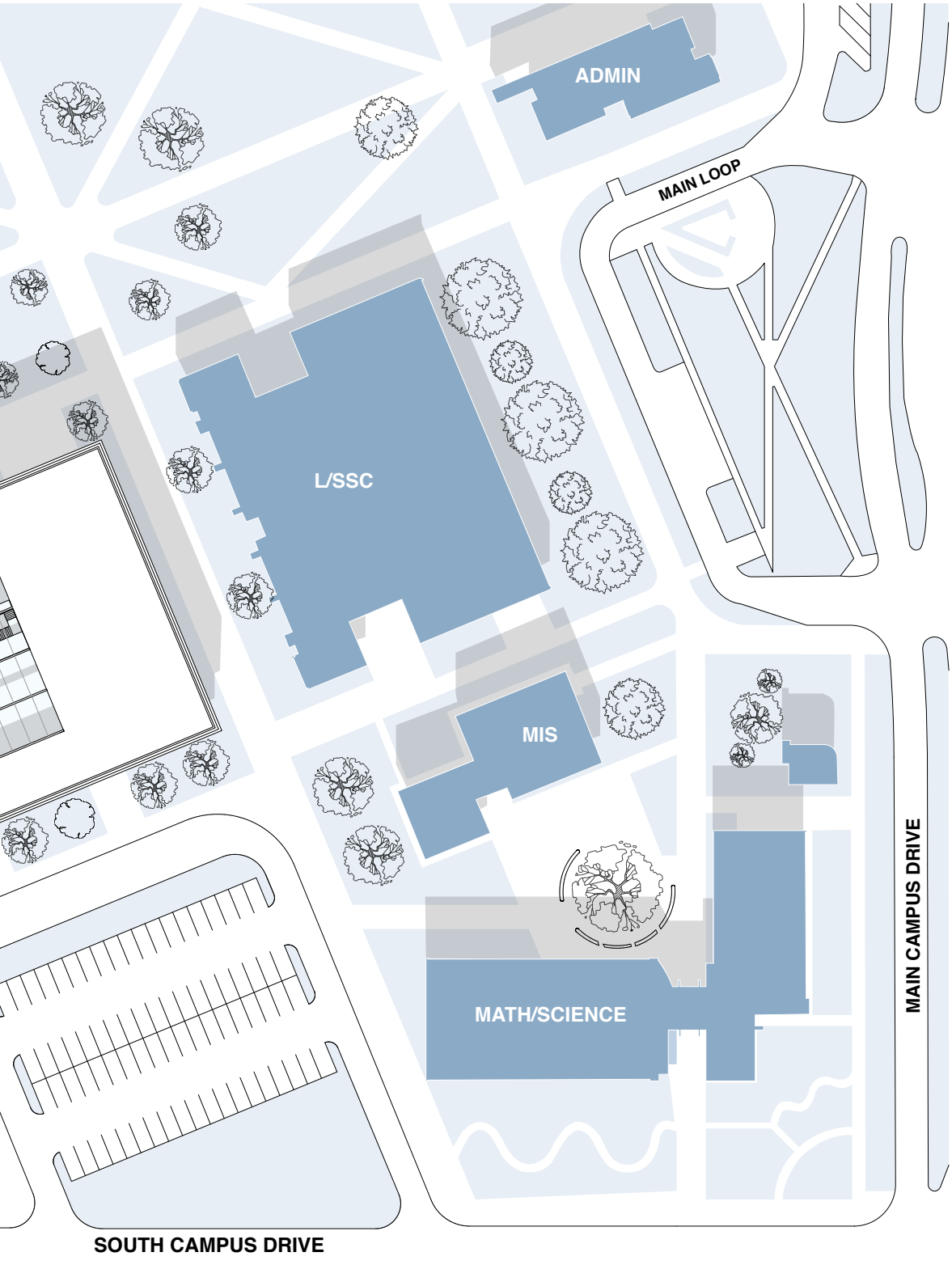
Sect


2.
1.
2.
3.
4.
7.
8.
1. LIVE STUDIO
2. CLASSROOM
3. SCULPTURE
4. JEWLERY
5. LIGHT LAB
6. SOUND STUDIO
7. TECH EQUIPMENT
8. FILM STUDIO

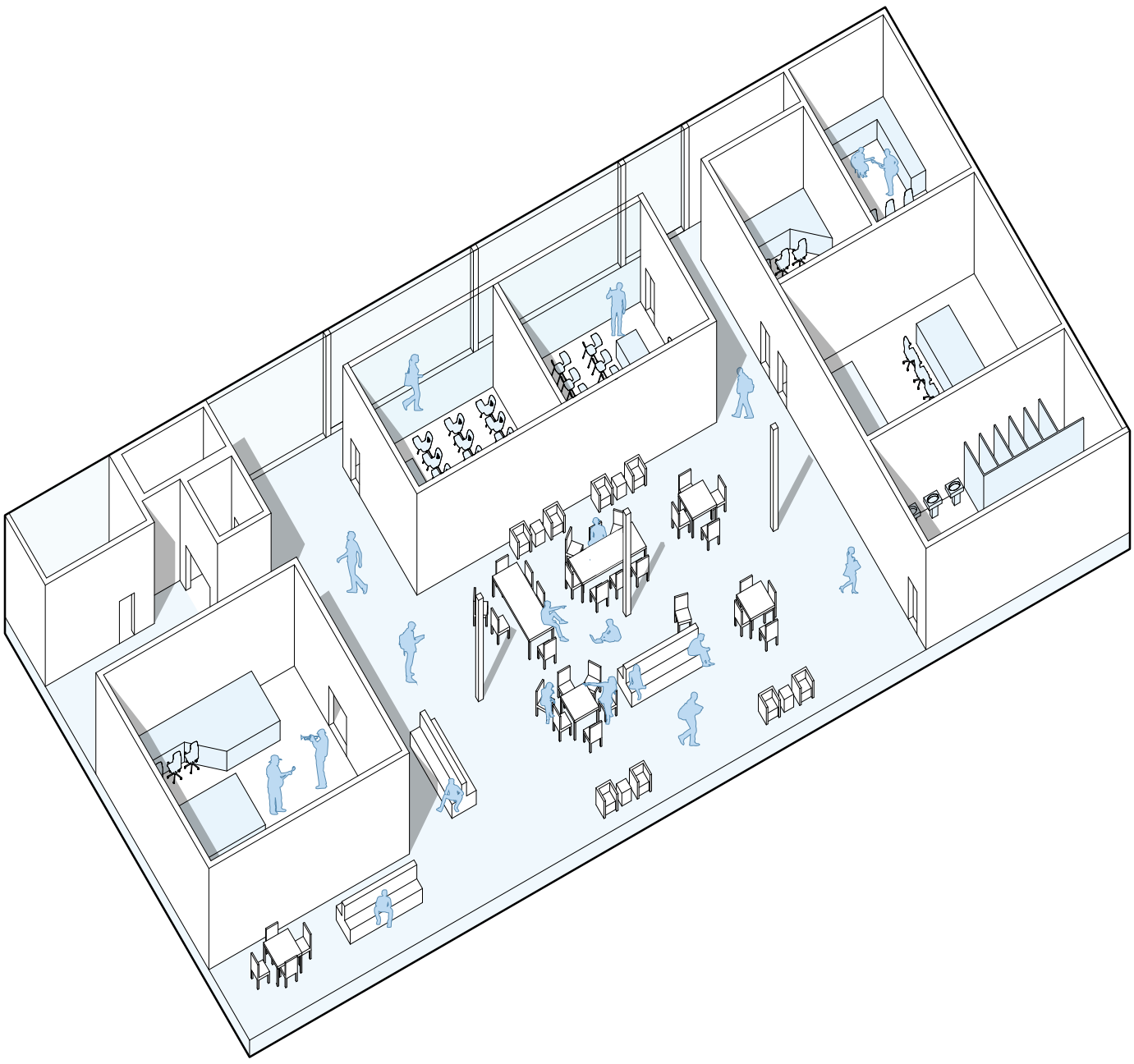
ion AA


STUDENT
ACTIVITIES
CENTER
VO TECH
PHYSICAL
EDUCATION
COMPLEX
POOL

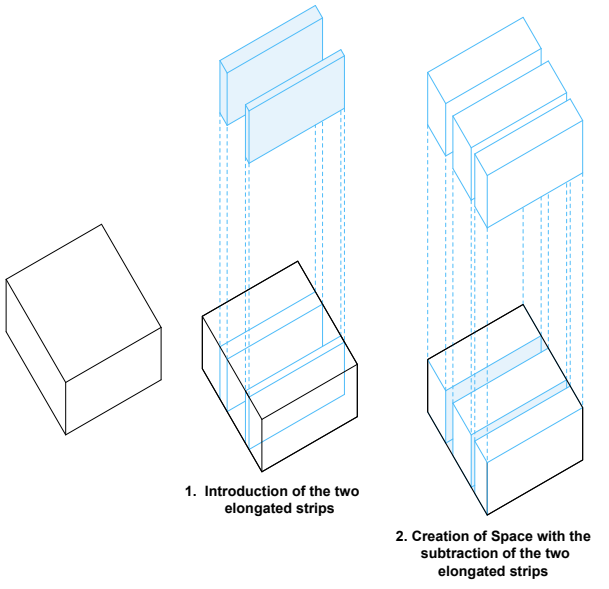
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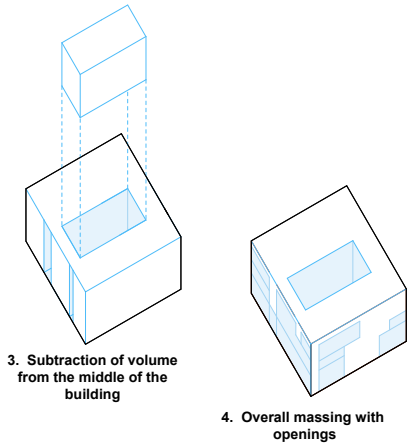

ADMIN
MAIN LOOP
L/SSC
MIS
MATH/SCIENCE
MAIN CAMPUS DRIVE
SOUTH CAMPUS DRIVE

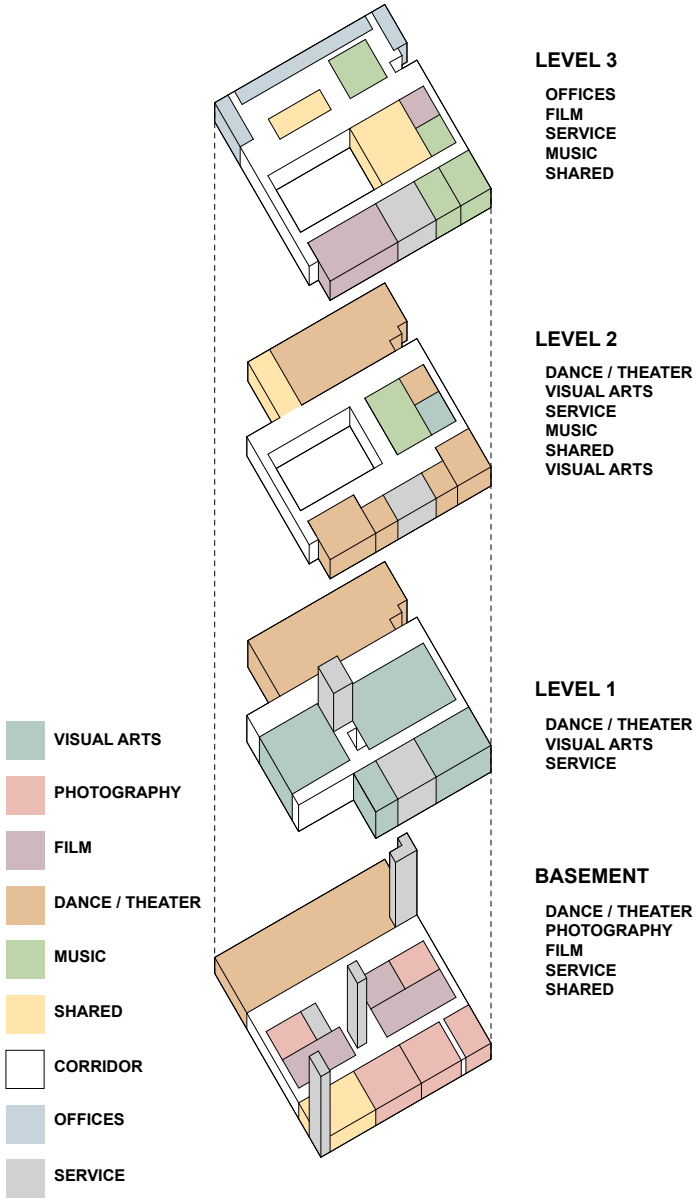
Plan



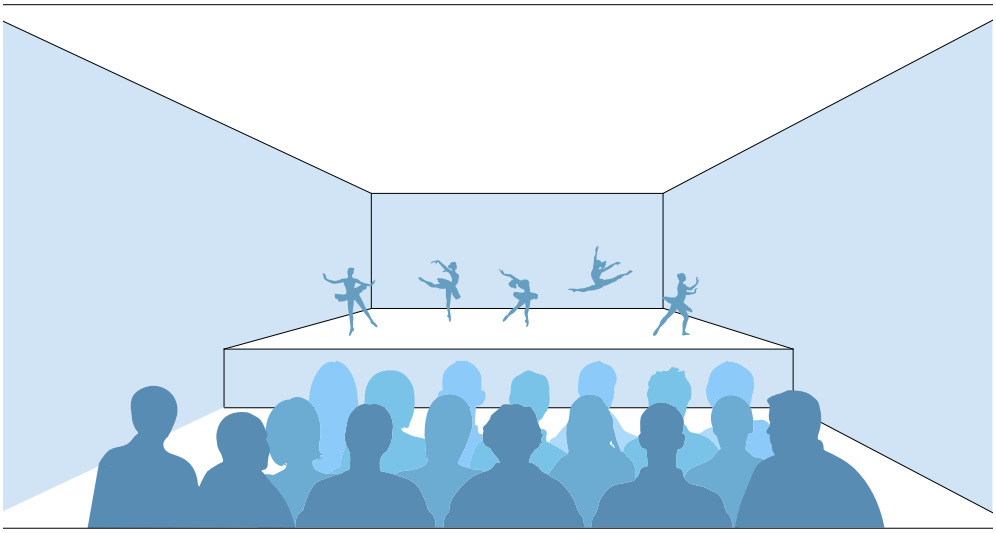
Formal and Informal Spaces on the third floor

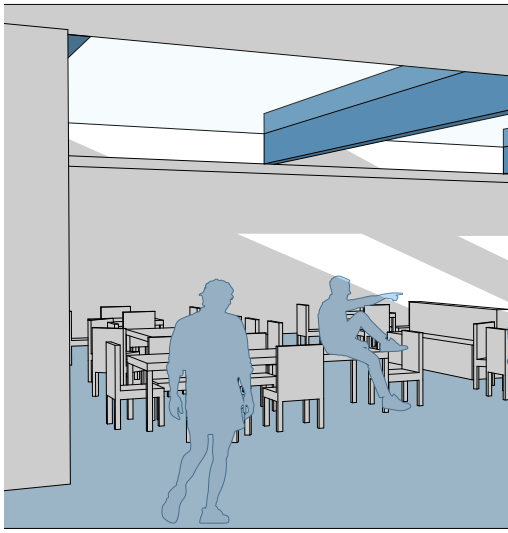


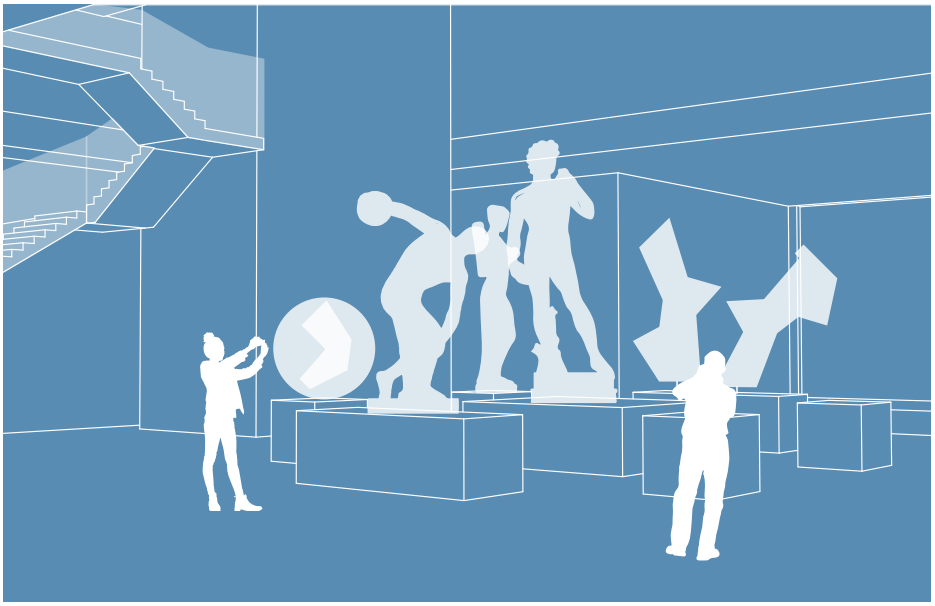




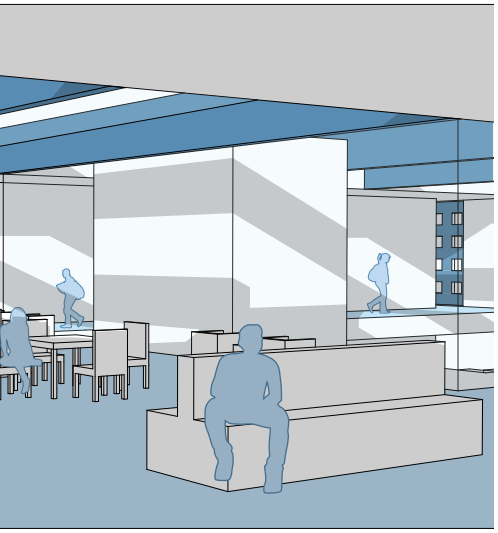
Left: Formal Strategy
Right: Program of Building

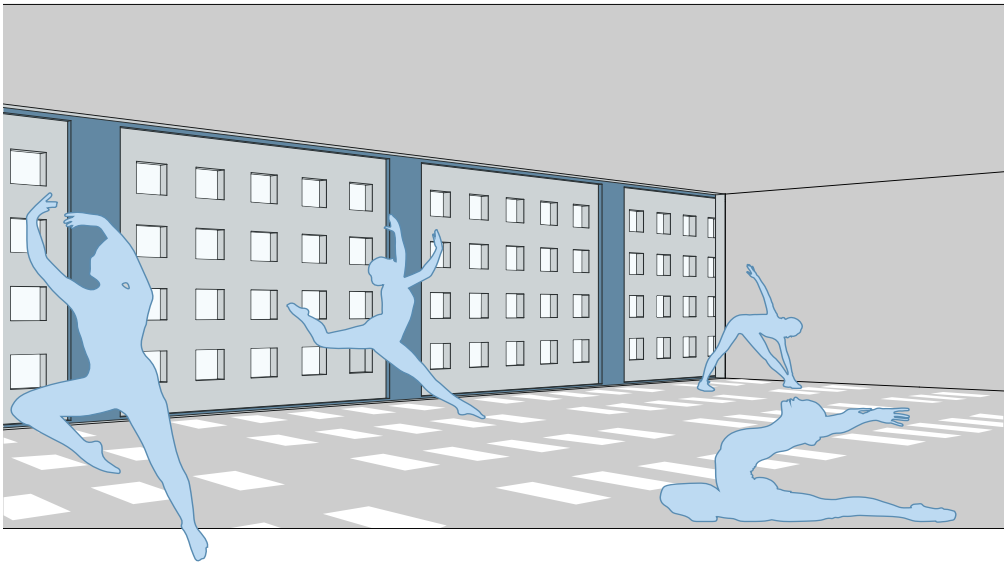


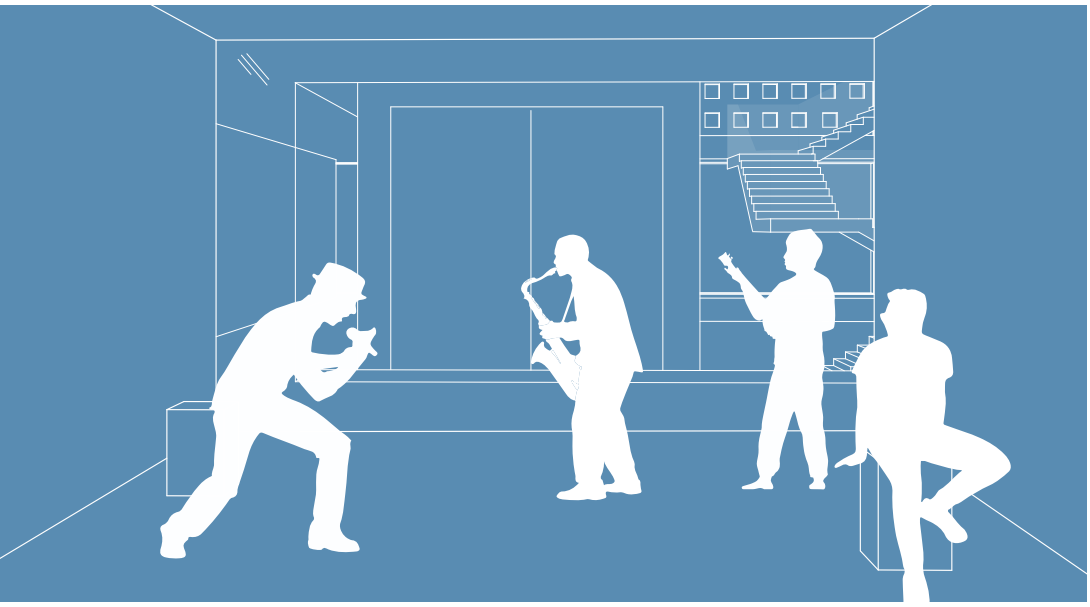




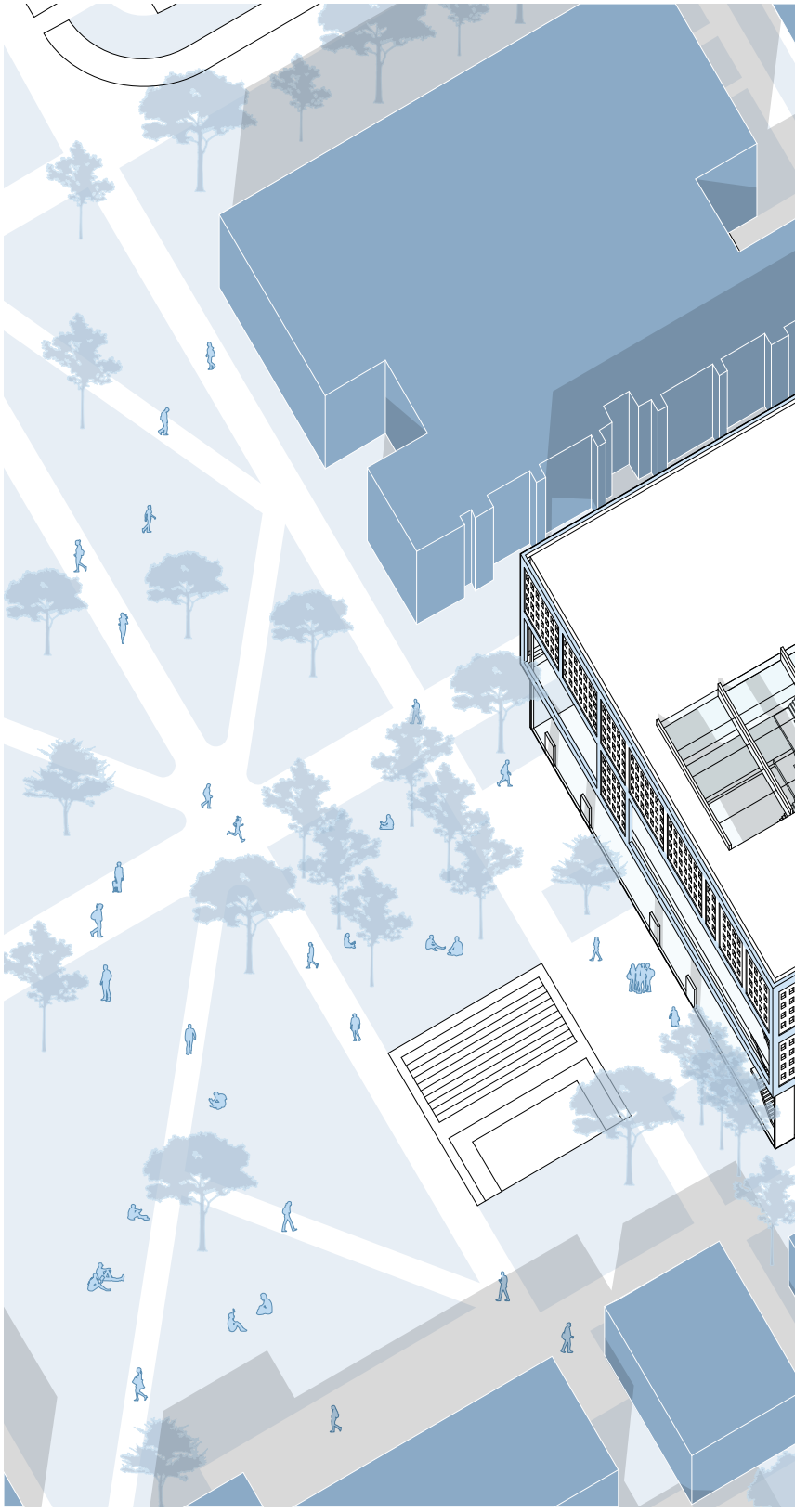
Narative drawings showcasing the various a



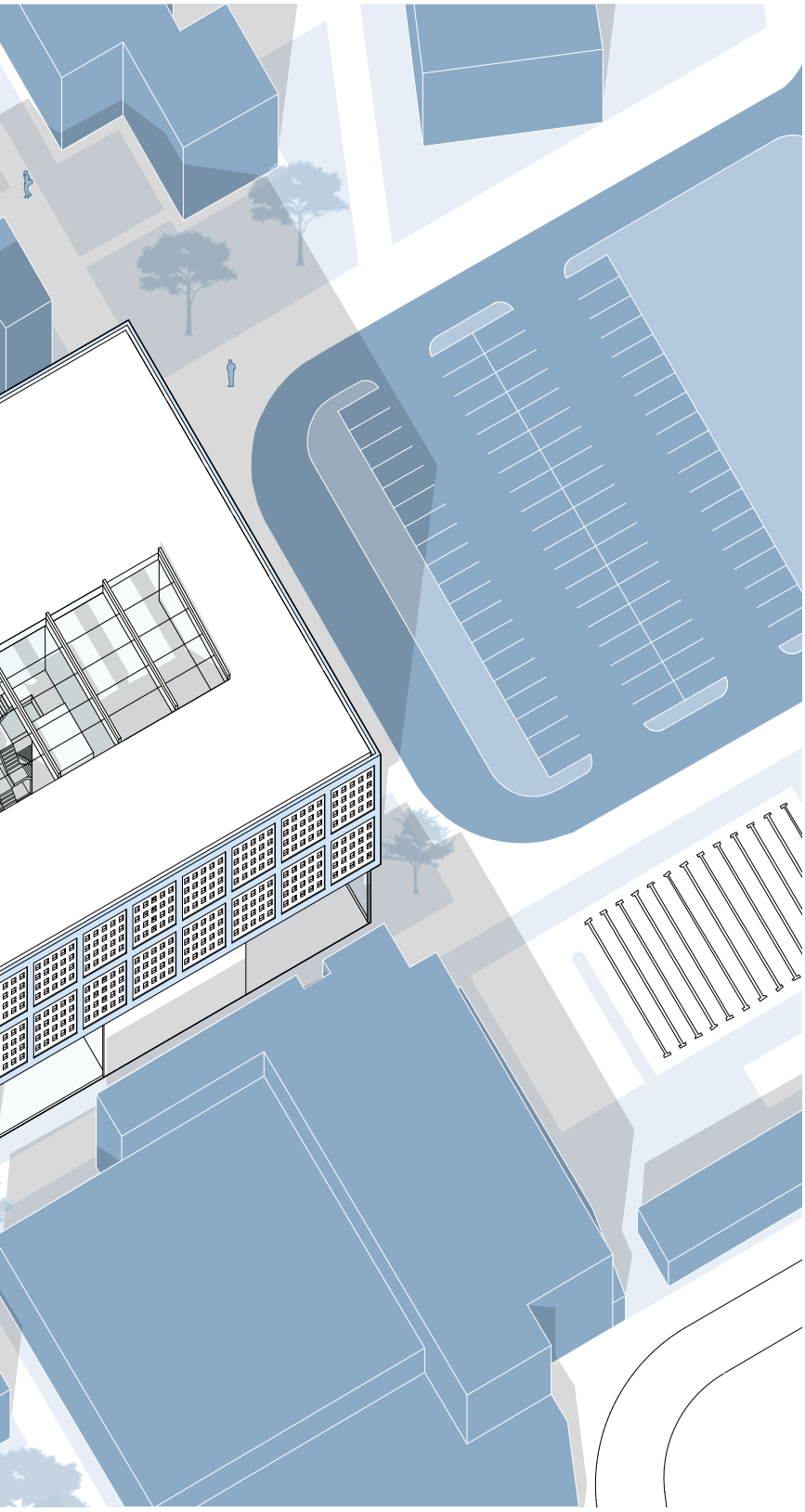




ctivities that can be done in this buidling



Site



Axon

Villa Onde (Spring 2021)

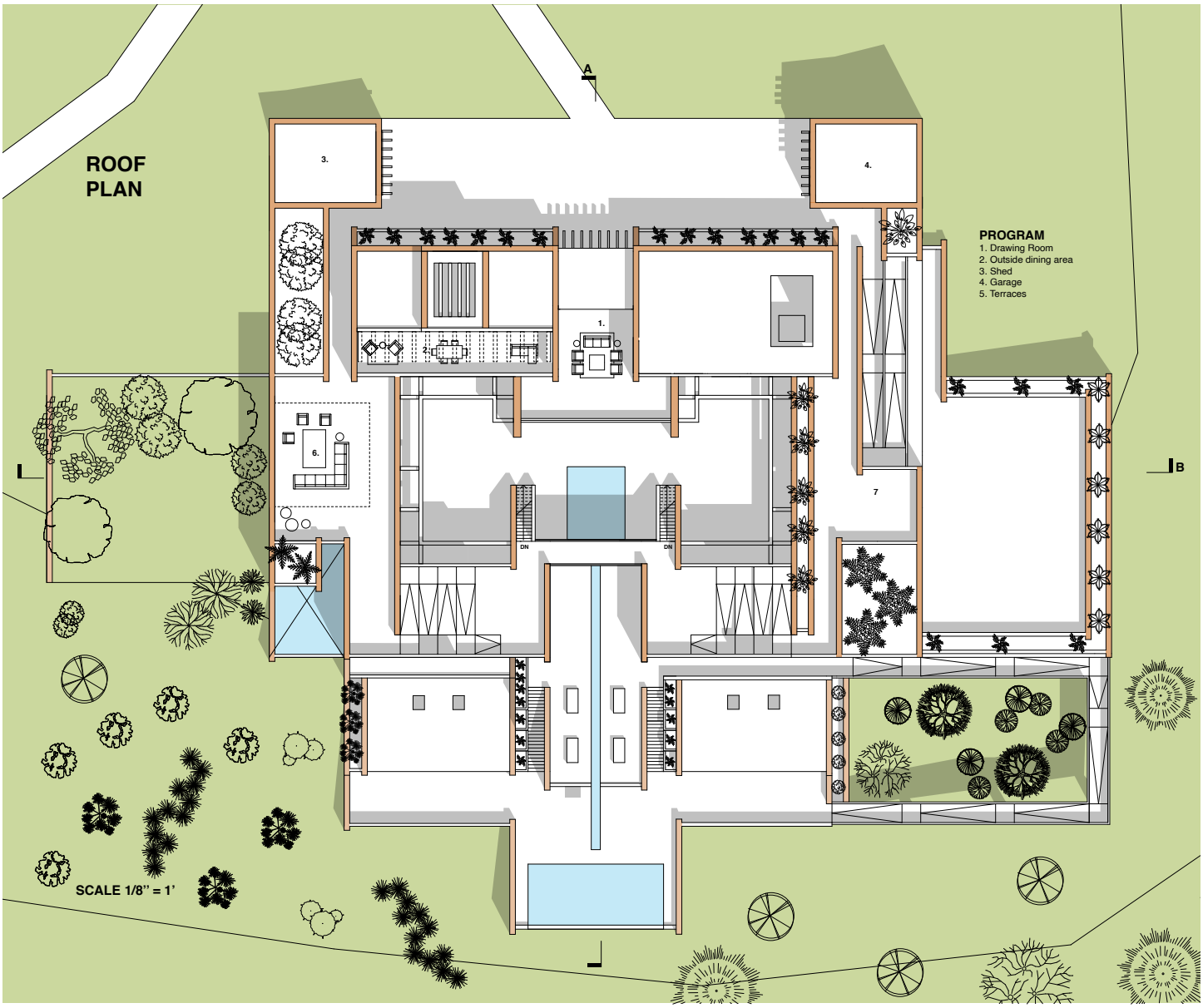
Located in the gated community of Hollister Ranch, CA, which is home to a private beach that has one of the best waves in California, this project attempts to do a contemporary reinterpretation of Pliny's letter on the Laurentian Villa, and introduce different experiences throughout moments in the architecture while at the same time be a site of inclusivity in an already exclusive place. The purpose of this project is to create a villa inspired by Pliny's letter and deep reverence for the Chumash, which used to live around these areas a long time ago. The connections to the Chumash Tribe can be seen in the devotional gateway and the materials used in the house. The Devotional Gateway in this villa is a reflection of Point Conception which for the Chumash is a place for the dead to go to heaven. Just like the Chumash and other Native American Tribes, used earthwork to build their homes, this villa does the same with its rammed earth walls. It uses the dirt from the excavated space to build the walls, which makes the villa a part of the landscape. This villa becomes a place of inclusivity because it can host various types of Non-Profit Surf Charities that bring in underprivileged people to be able to experience the once exclusive beaches of Hollister Ranch.



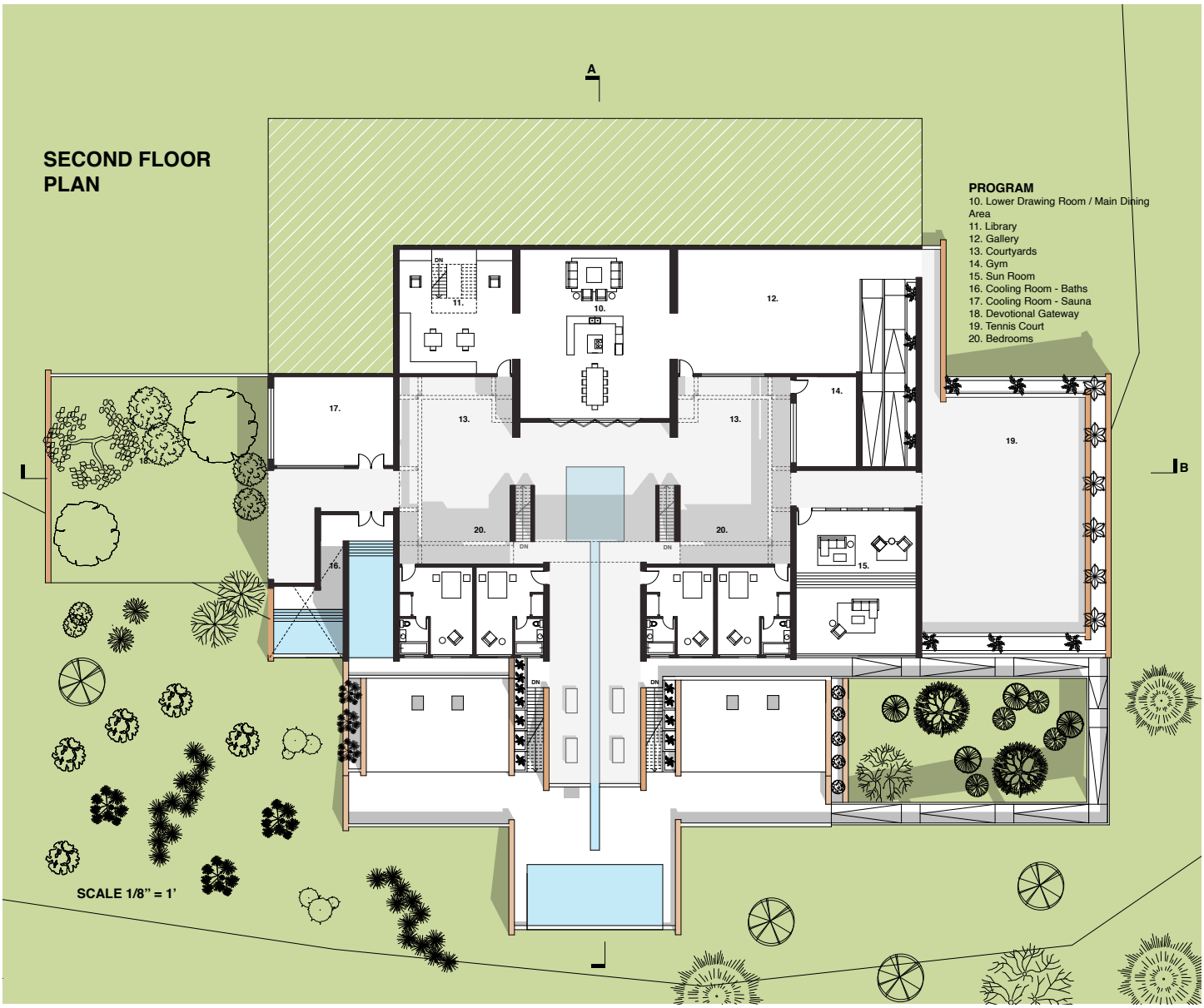
Front View


SITE PLAN
PARCEL 107
ROAD
RAILROAD TRACKS
Razer Blades
Surfing Spot
NTS

Site Plan


ROOF
PLAN
A
B
3.
4.
1.
2.
6.
7
DN
DN
PROGRAM
1. Drawing Room
2. Outside dining area
3. Shed
4. Garage
5. Terraces
SCALE 1/8'' = 1'

Roof Plan



Second Floor Plan



Eleva



ations



Secti



on AA





Rende





erings

thank you

noel a. cordero jr.
nacordero@cpp.edu
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