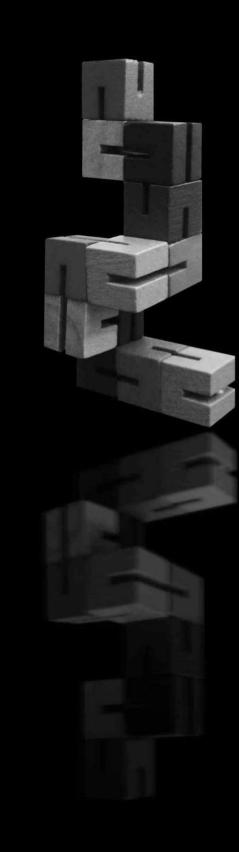
PORTFOLIO



Ana Desiree Guerrero Enciso 2025

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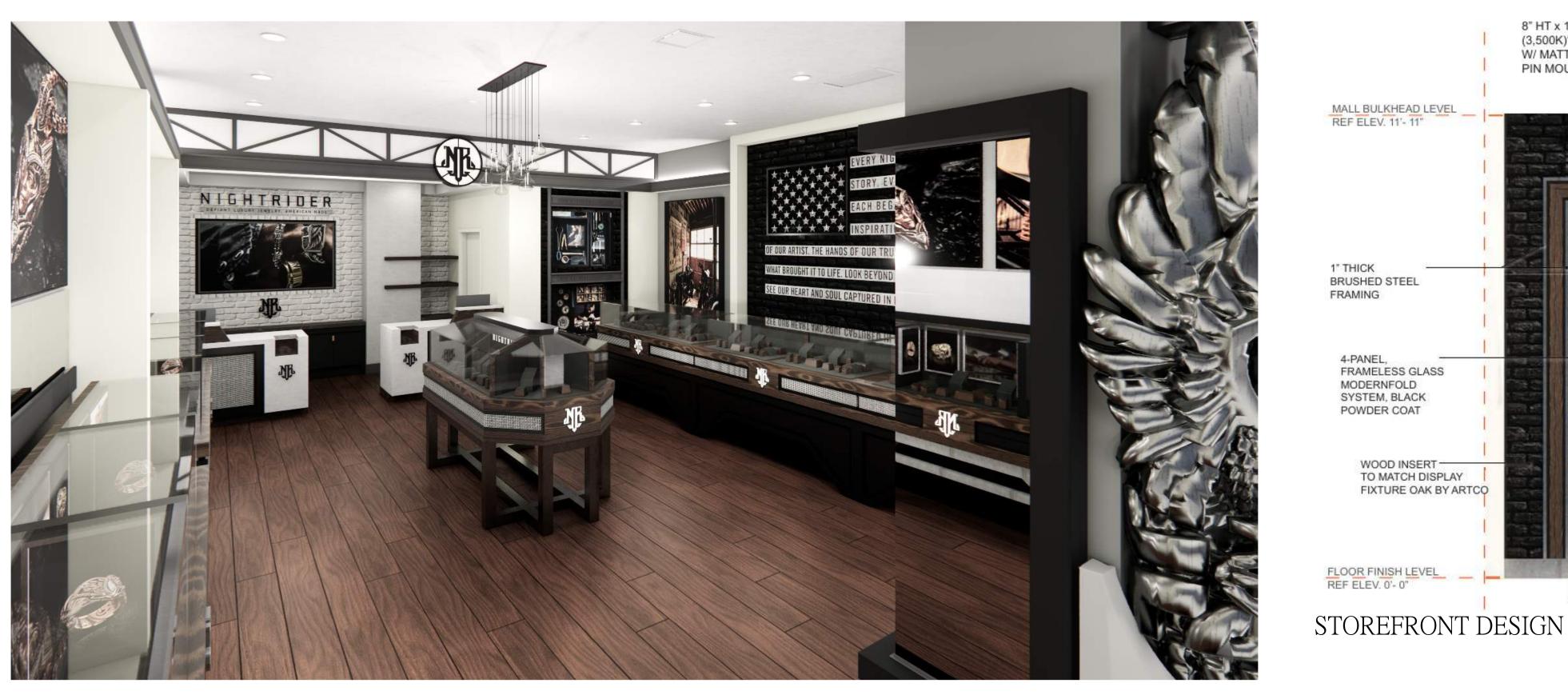
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PROFESSIONAL PORTFOLIO

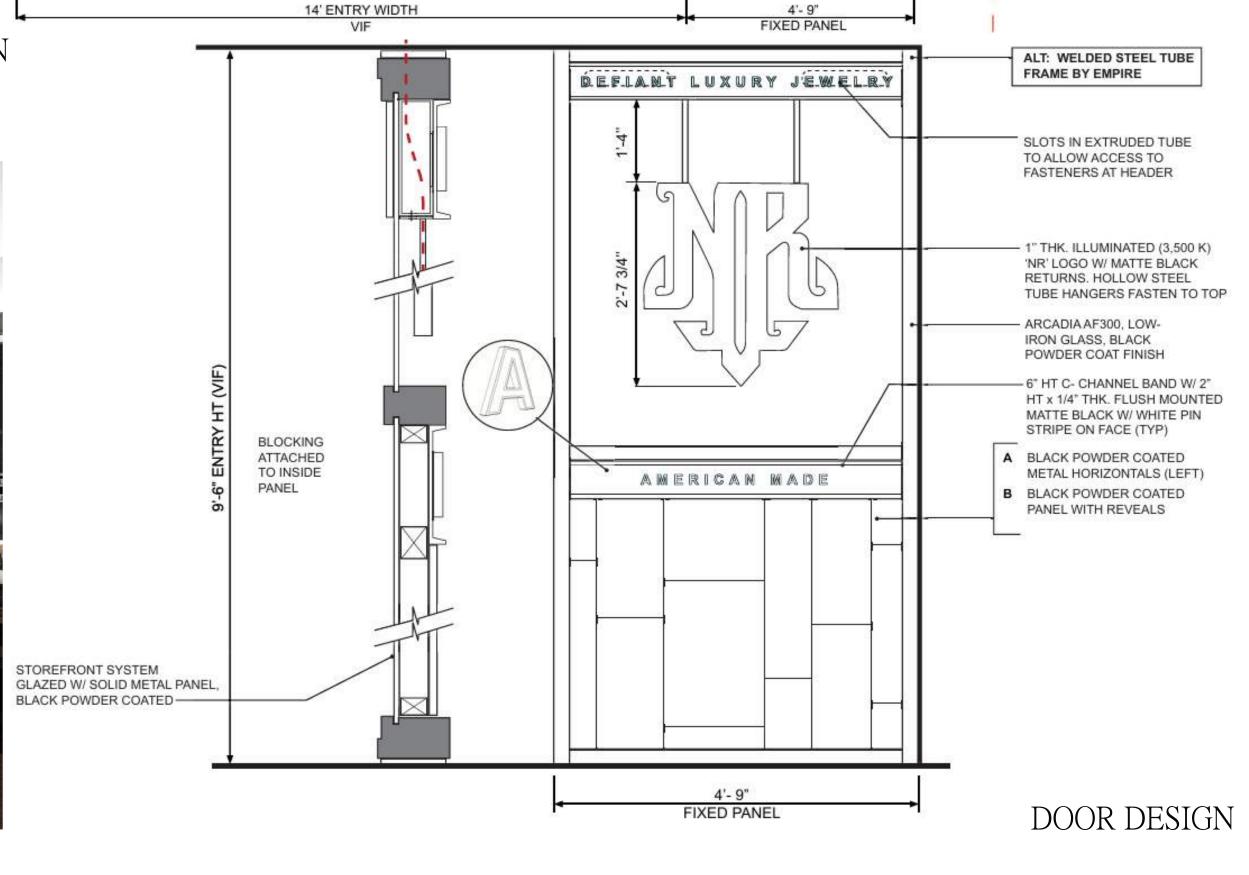




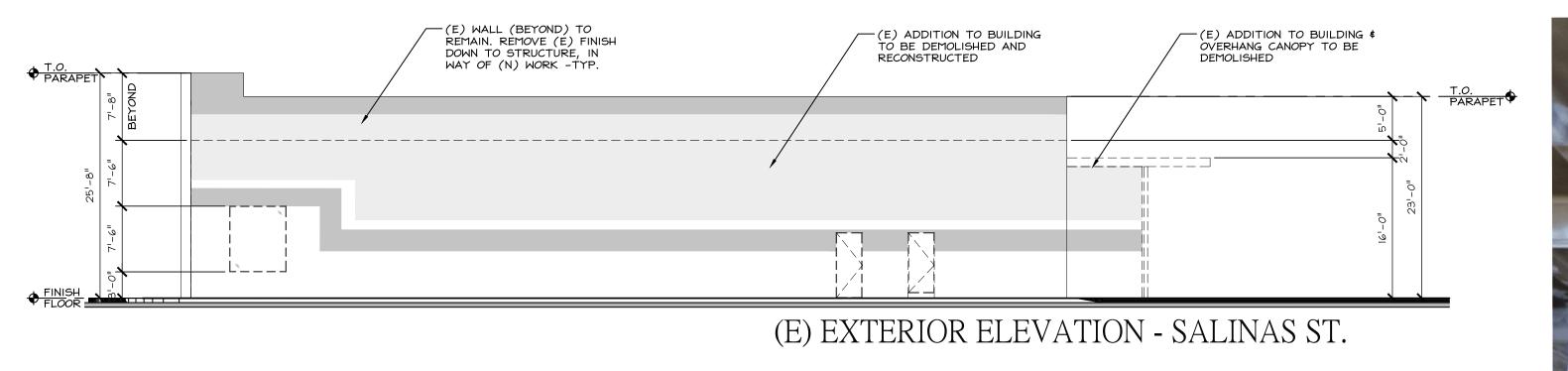


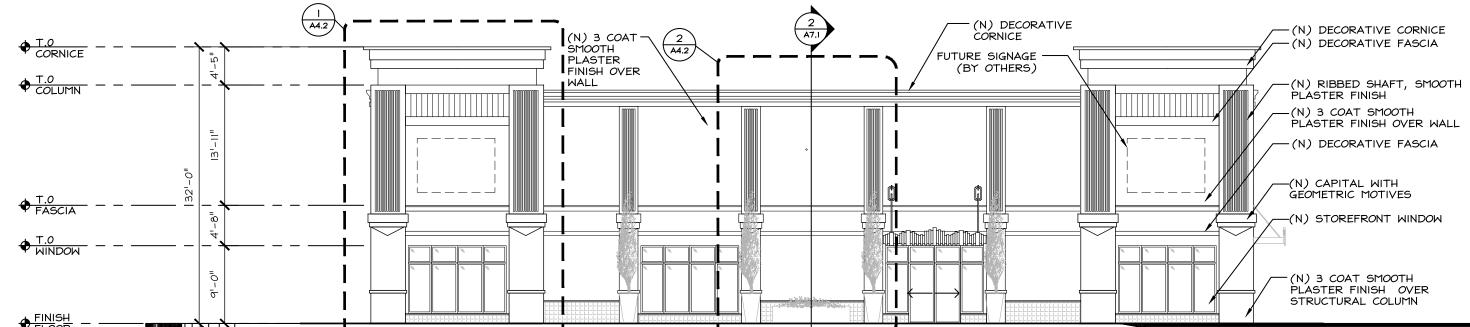


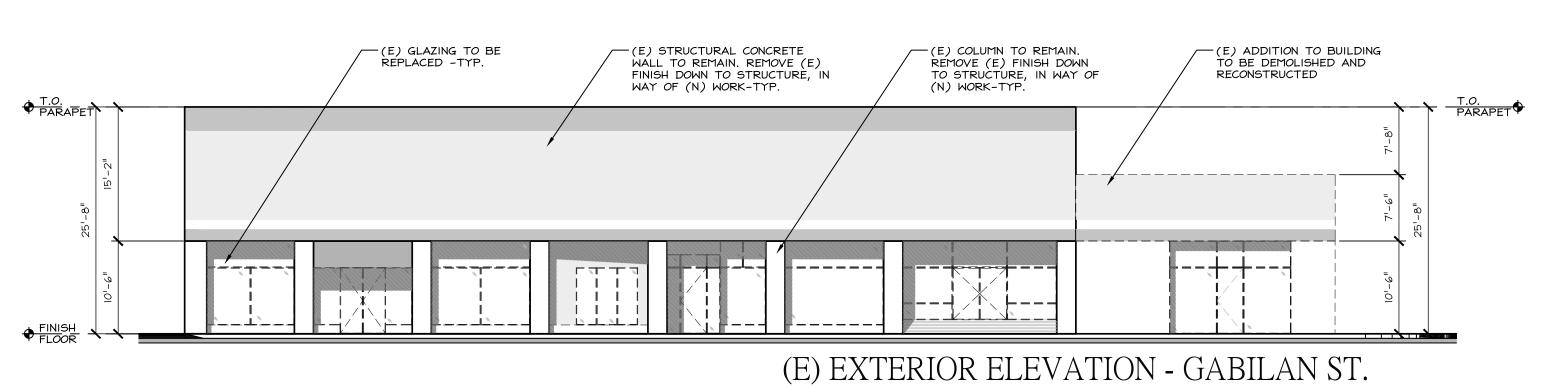


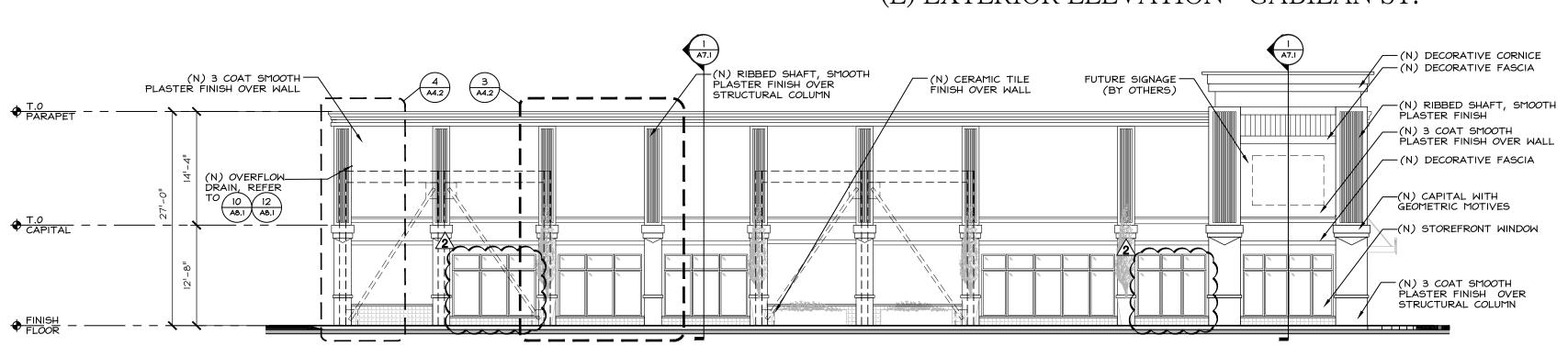






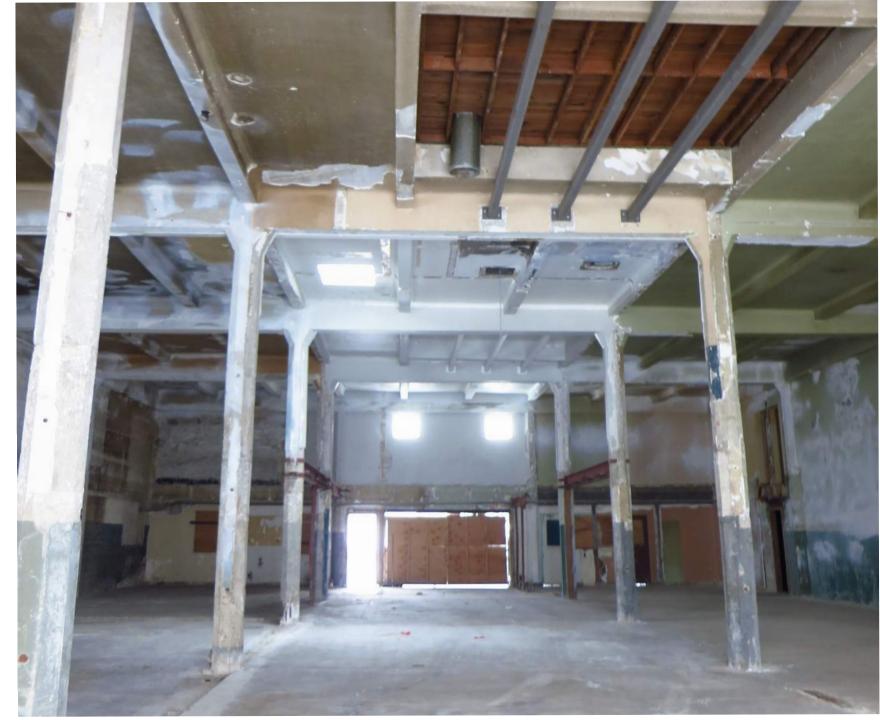


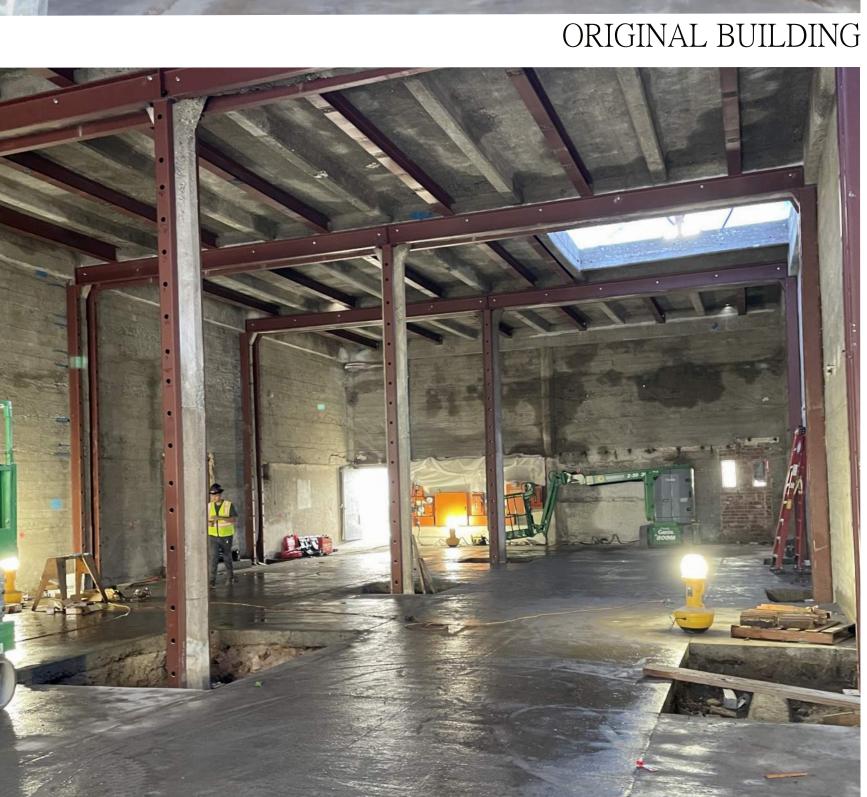




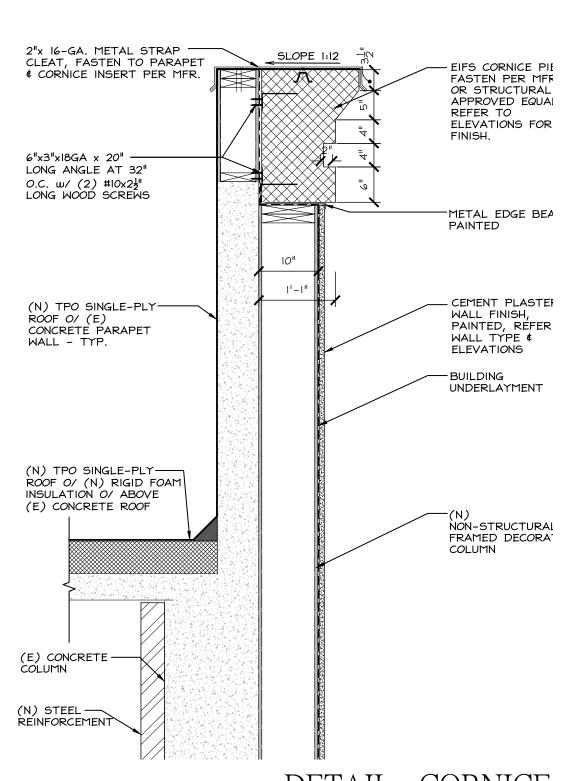
(N) EXTERIOR ELEVATION - GABILAN ST.

(N) EXTERIOR ELEVATION - SALINAS ST.

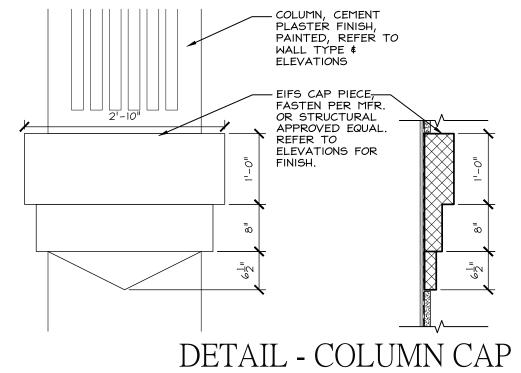




CURRENT CONSTRUCTION PROGRESS



DETAIL - CORNICE



BUILDING UNDERLAYMENT

BUILDING UNDERLAYMENT

To ELEVATIONS FOR FINISH.

BUILDING UNDERLAYMENT

To ELEVATIONS FOR FINISH.

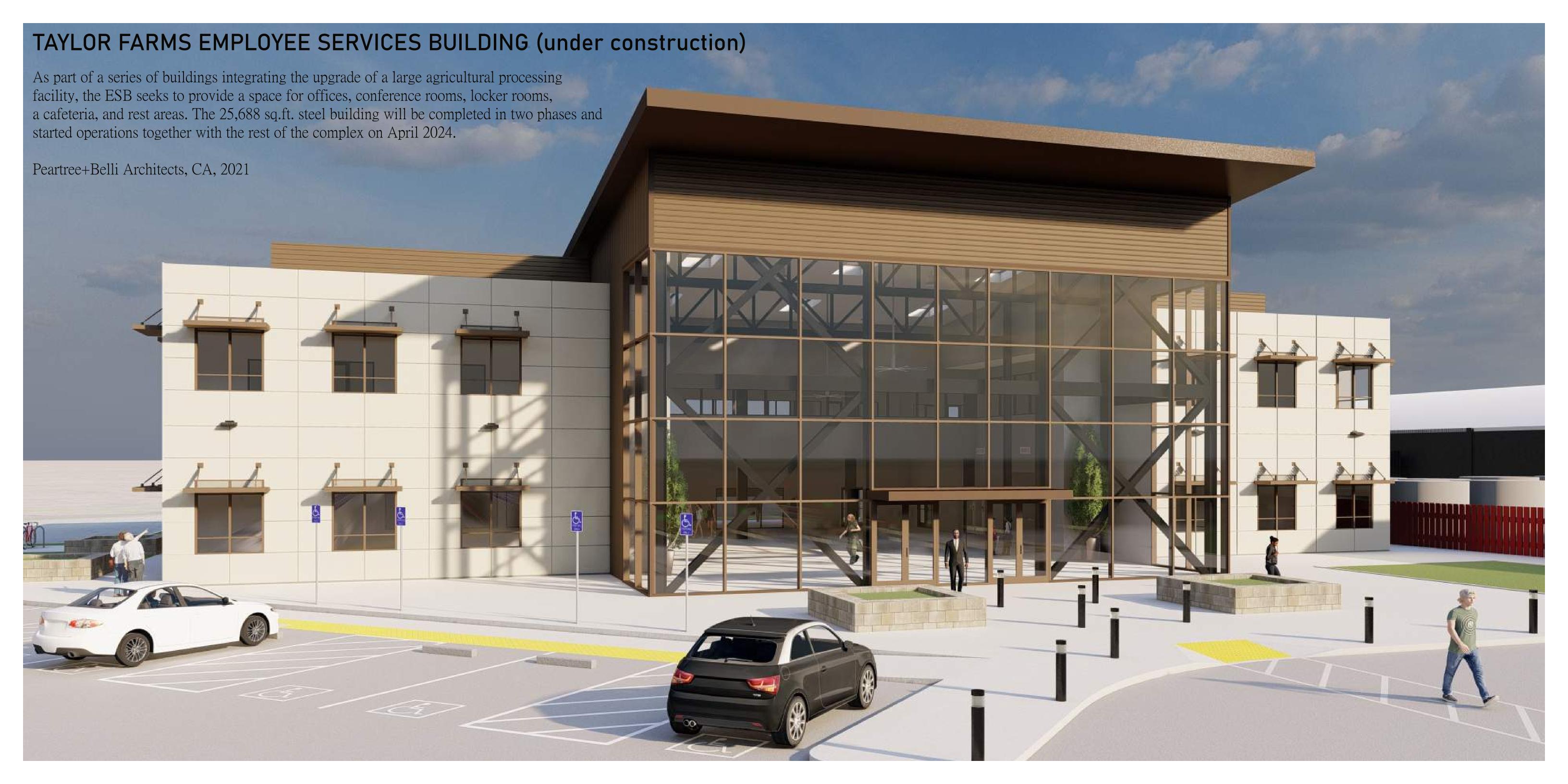
BUILDING UNDERLAYMENT

To ELEVATIONS

METAL EDGE FLASHING AND CAULK BEAD, PAINT FINISH -TYP.

CEMENT PLASTER WALL FINISH, PAINTED, REFER TO WALL TYPE & ELEVATIONS

DETAIL - FASCIA



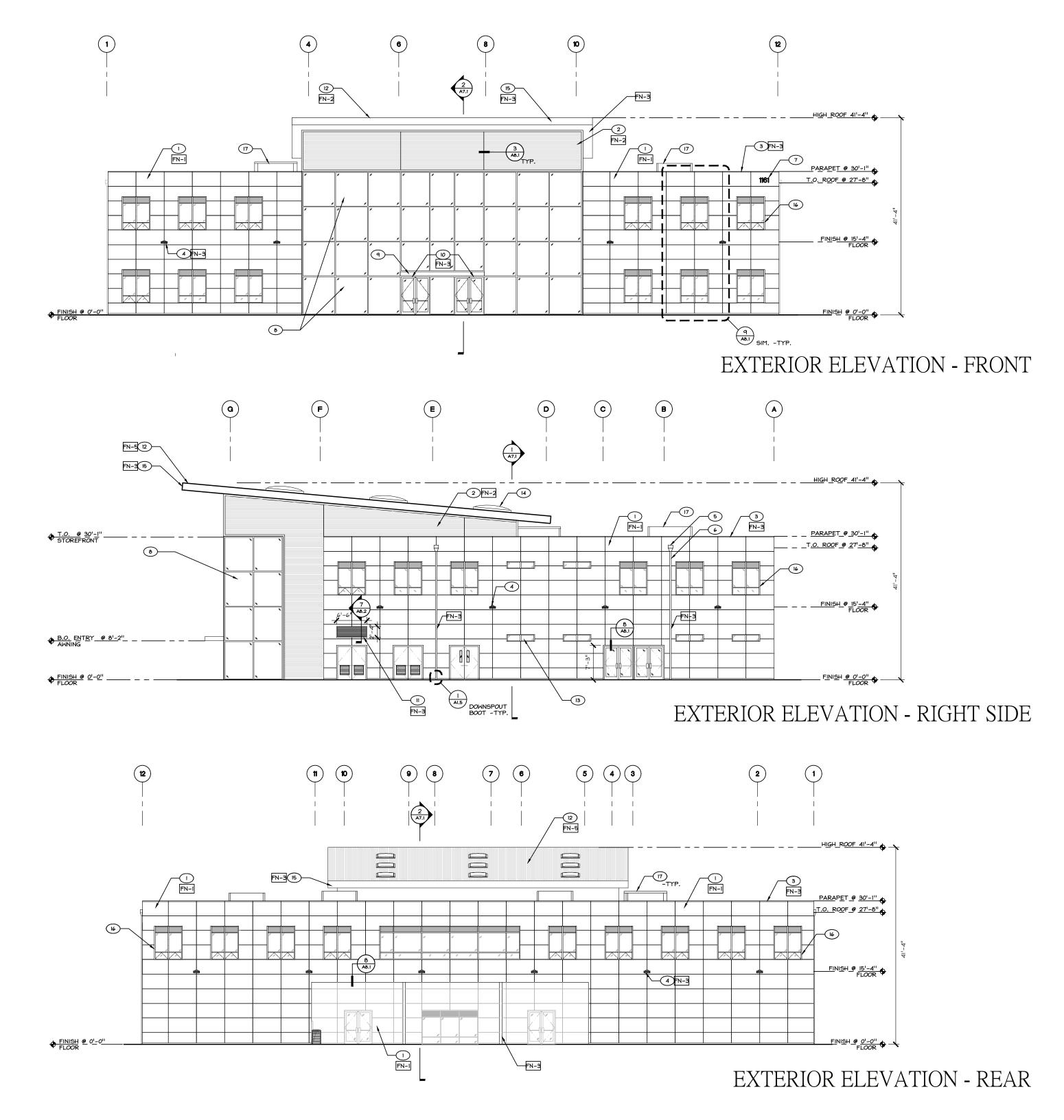


COMPLETED PROJECT





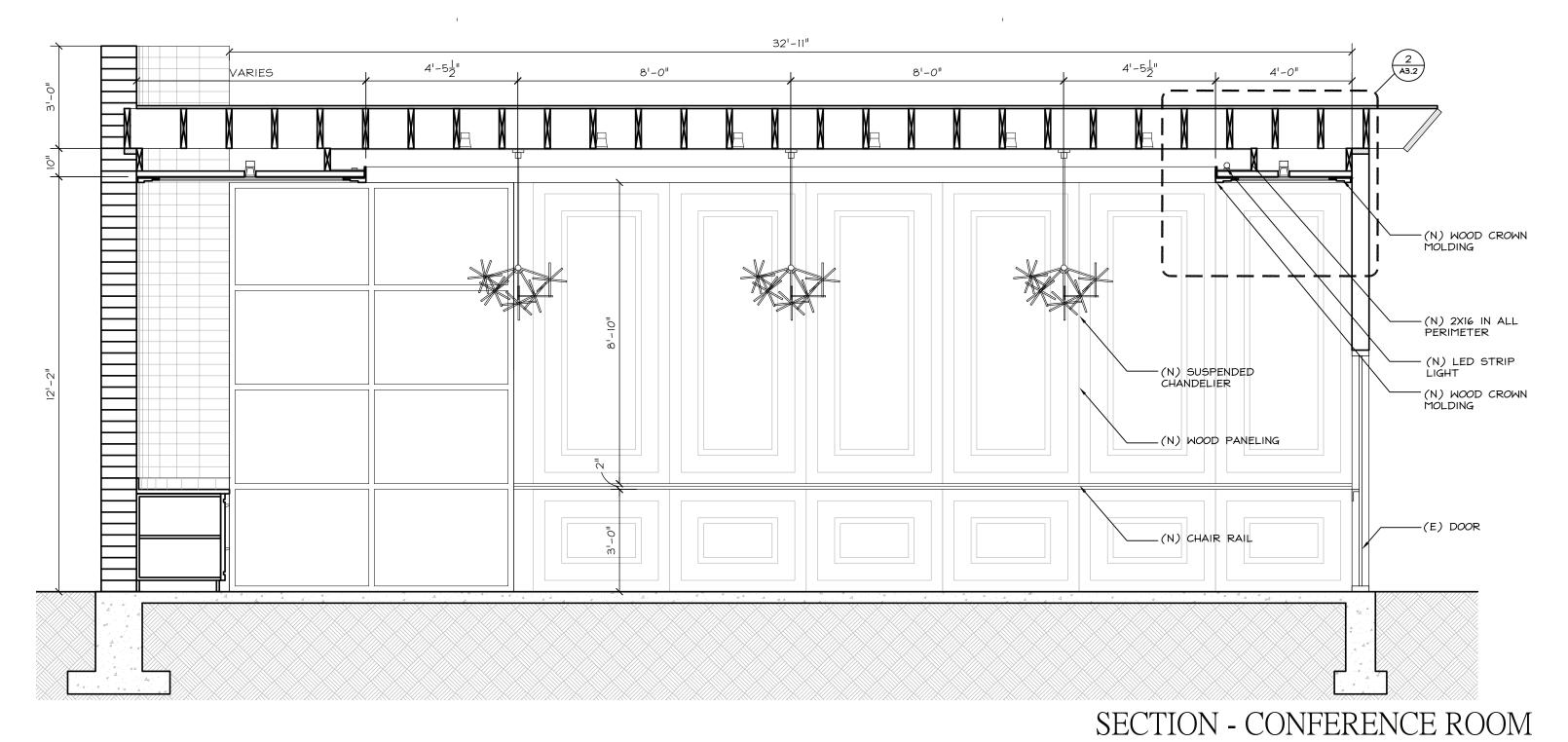
CONSTRUCTION PROCESS



GSA OFFICE REMODEL The original mid-century modern building containing office and conference room spaces required an interior remodel and accessibility upgrades. New wall panels, a new dropped ceiling, and lighting upgrades were proposed on the main conference room. These upgrades had to be integrated together with the existing mid-century modern furniture. Peartree+Belli Architects, CA, 2021



PERSPECTIVE - CONFERENCE ROOM



—(N) WOOD CROWN MOLDING —(N) LED CANLIGHT REFLECTED CEILING PLAN - CONFERENCE ROOM —— (N) 2x6 IN ALL PERIMETER ——(E) 2x14 @ 16 ____(E) 2x14 @ 16 (N) LED STRIP — LIGHT (N) CROWN— MOLDING. FINAL PROFILE BY ARCH. —(N) WOOD CROWN MOLDING. FINAL PROFILE BY ARCH. 4'-0'' — (E) SUSPENDED 2x6 COFFIN CEILING DETAIL - CONFERENCE ROOM

8'-0"

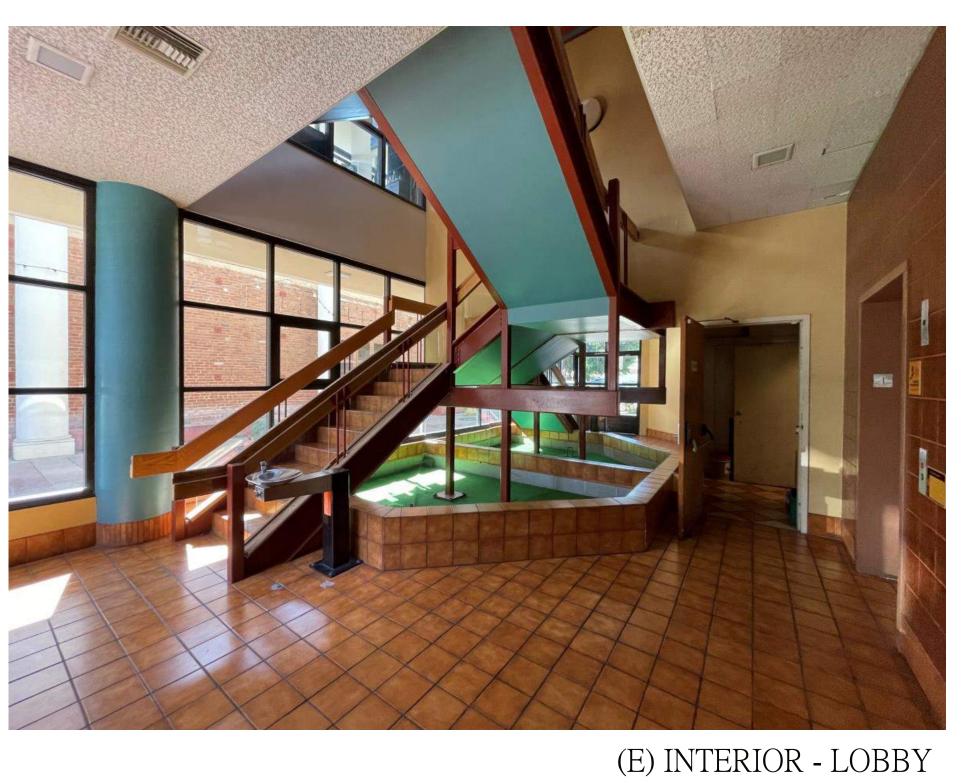
-(N) HANGING CHANDELIER

4'-5<u>1</u>"

(N) WOOD CROWN — MOLDING





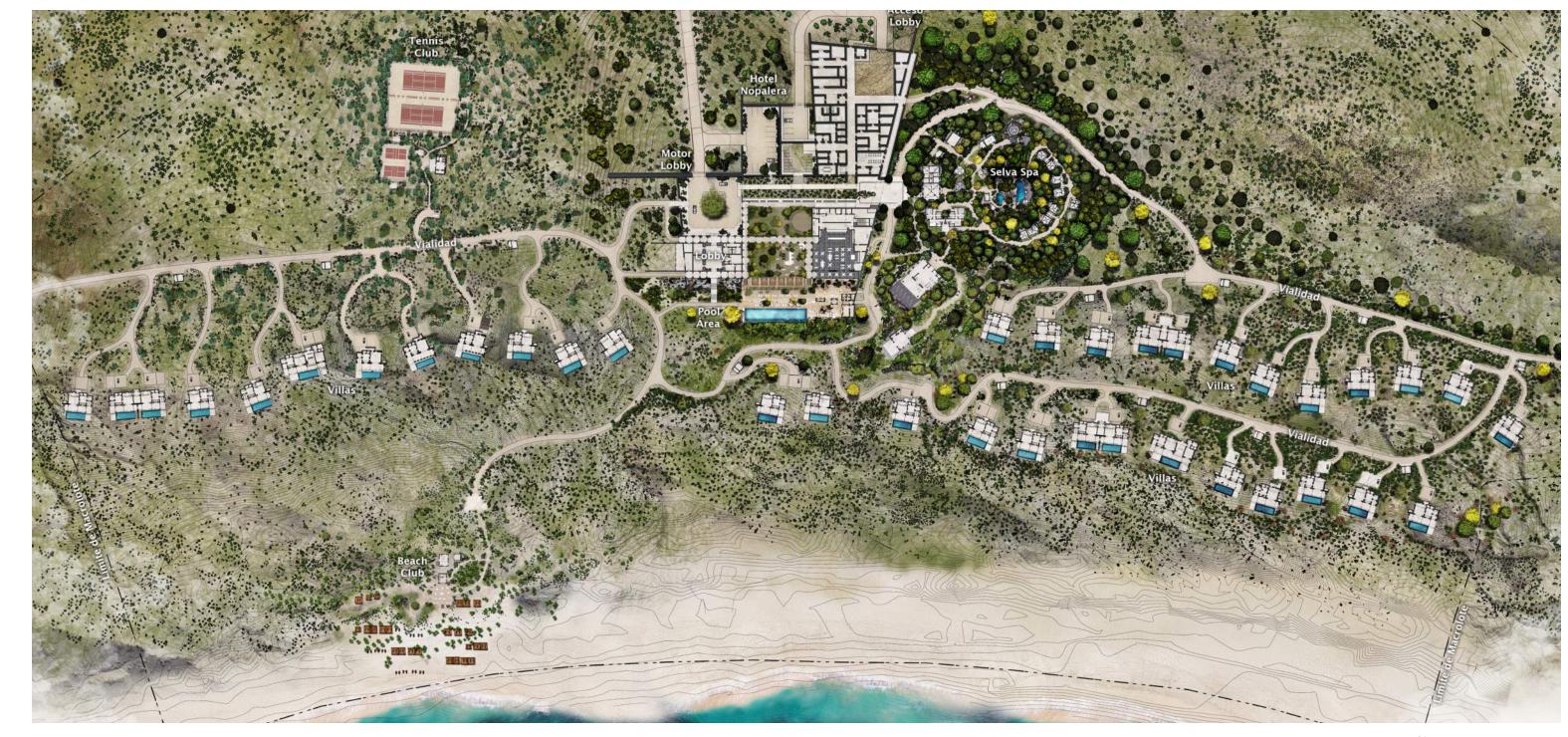


(E) INTERIOR - RESTROOM

(N) INTERIOR - LOBBY

(N) INTERIOR - RESTROOM

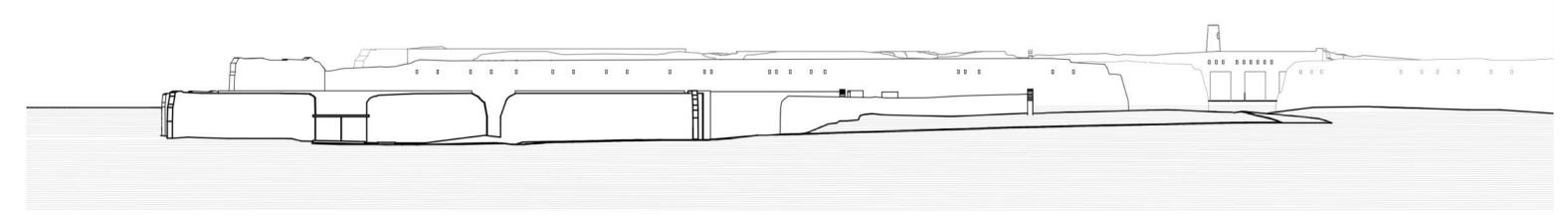




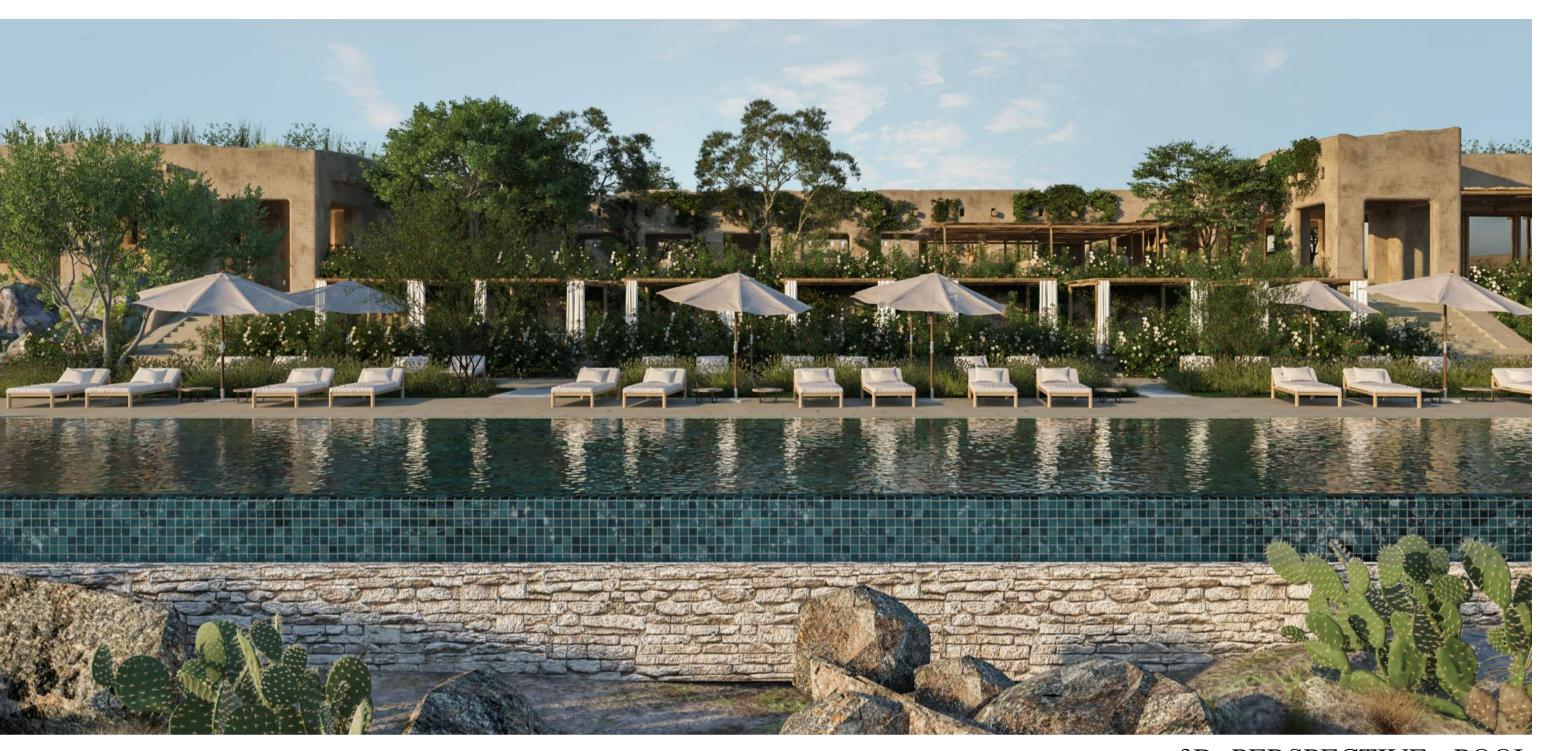
SITE PLAN



BUILDING SECTION - LOBBY



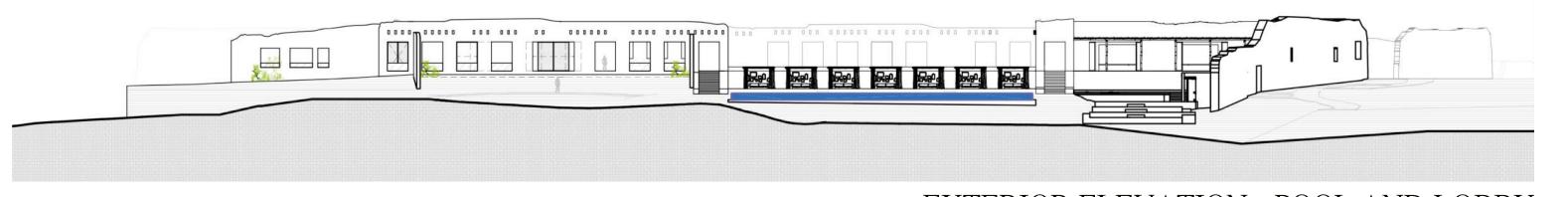
EXTERIOR ELEVATION - ENTRANCE



3D PERSPECTIVE - POOI



BUILDING SECTION - POOL



EXTERIOR ELEVATION - POOL AND LOBBY

BLUE APARTMENT

This interior design project was executed in 5 days. The apartment, located inside a 1970's building needed to be redecorated according to its new inhabitant's art collection. Painting and electrical outlets were upgraded. Existing furniture was repaired and integrated into the new design.

Independent project, MD, 2017







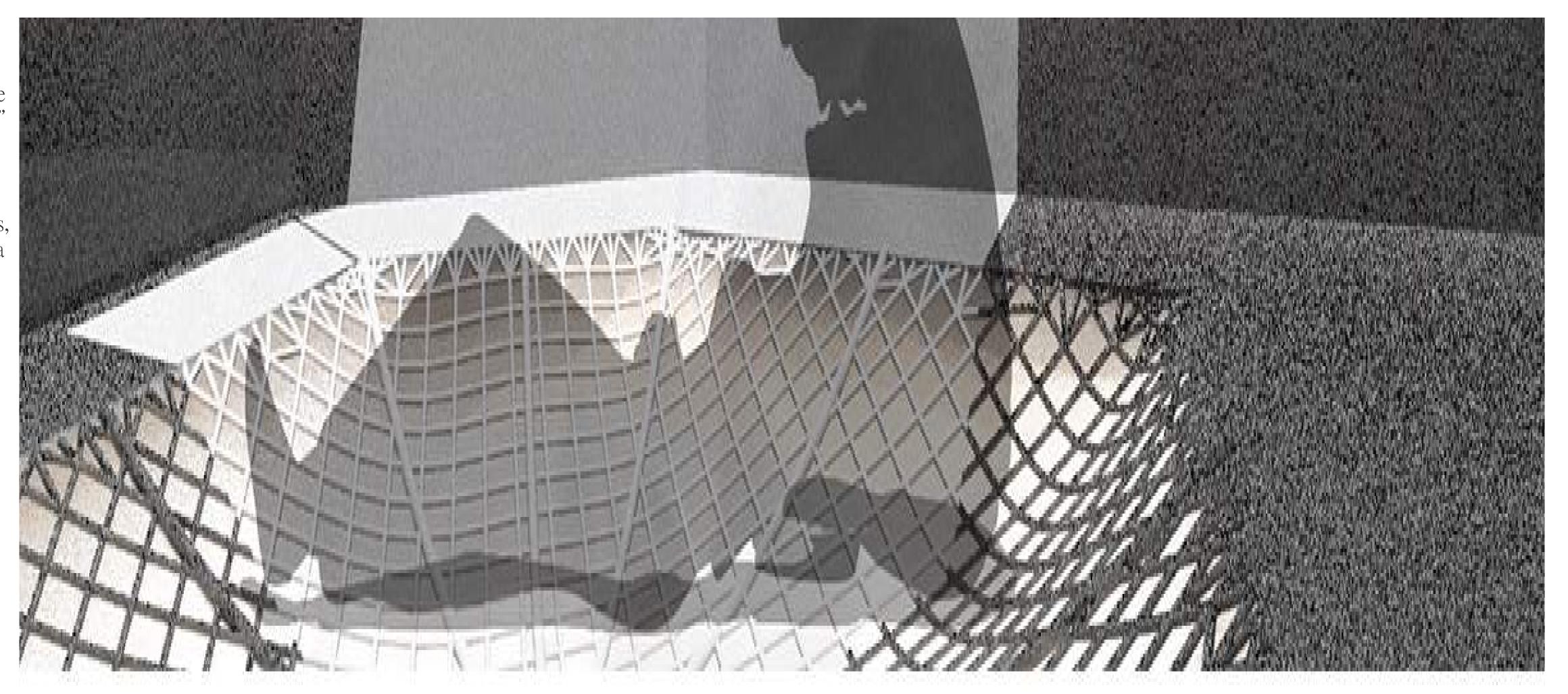
ACADEMIC PORTFOLIO

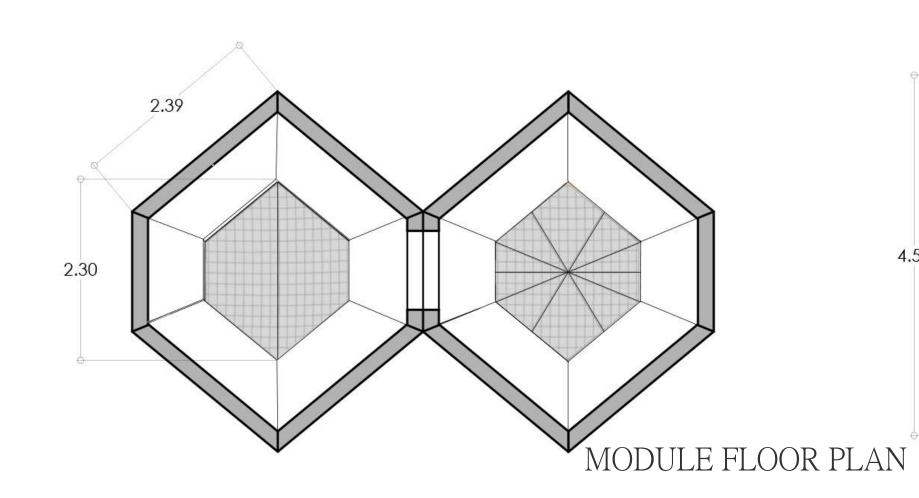
NORDIC CAMPING

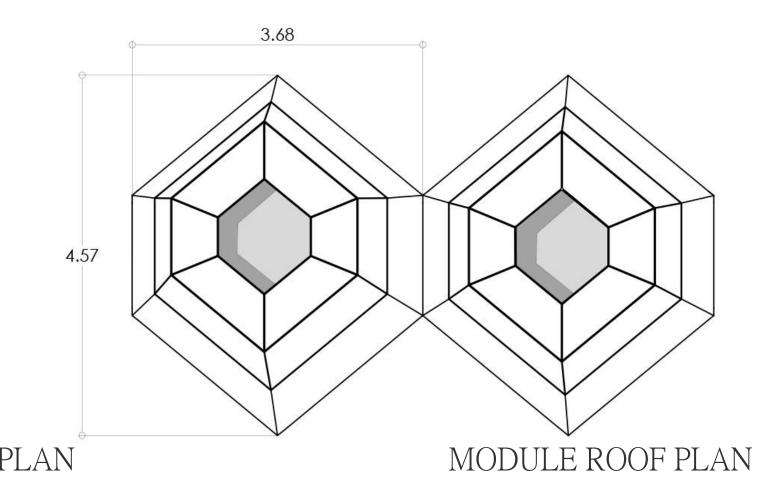
This project demonstrates a form-finding technique used to conceptualize structures based on a pattern. The pattern is created by defining "genes" (objects) and "rules" (behavior).

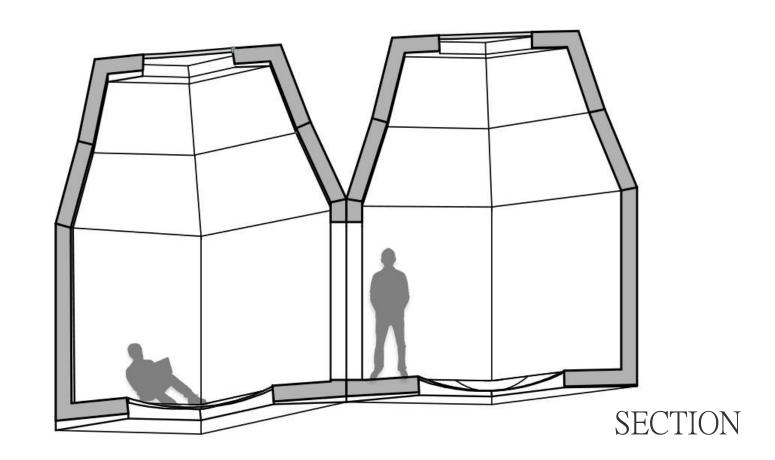
In this exercise, the generated pattern and shape were the result of observing the existing topography and the use of parametric design tools, in which the resulting 3D shape transformed into a camping and rest area for hikers in Norway. Its aim was to provide each visitor with a capsule for resting and observing the night sky.

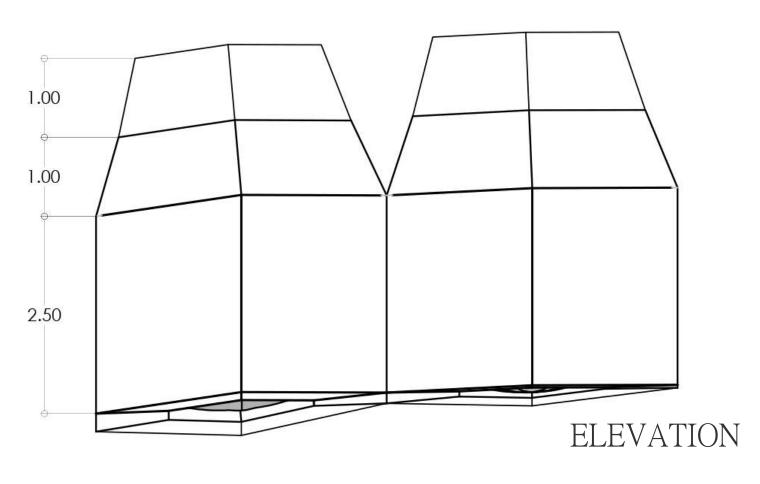
Graduated Studies, UNAM, 2021. Tools: RhinoVault 2, Rhinoceros+Grasshopper, Affinity Suite.





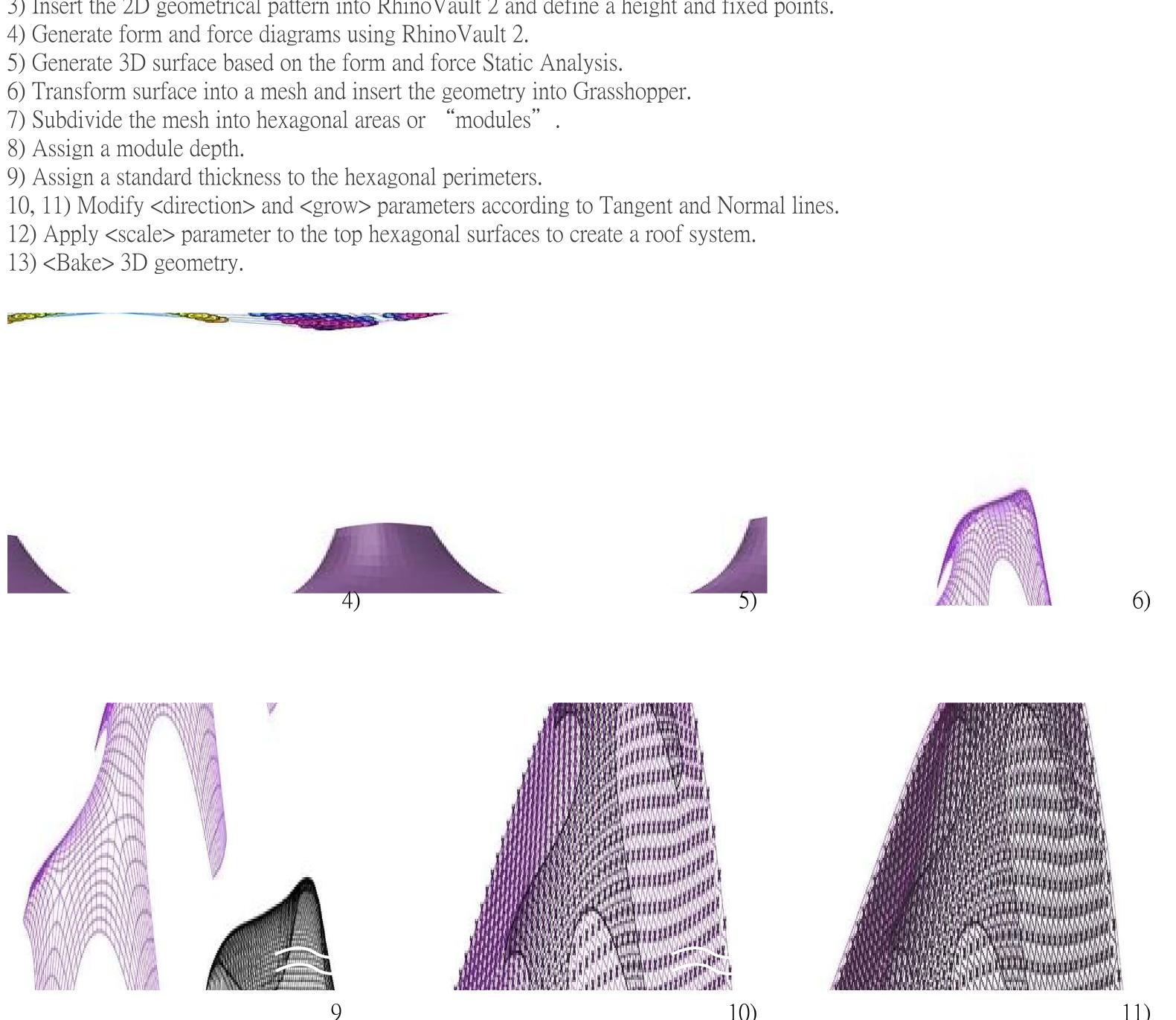


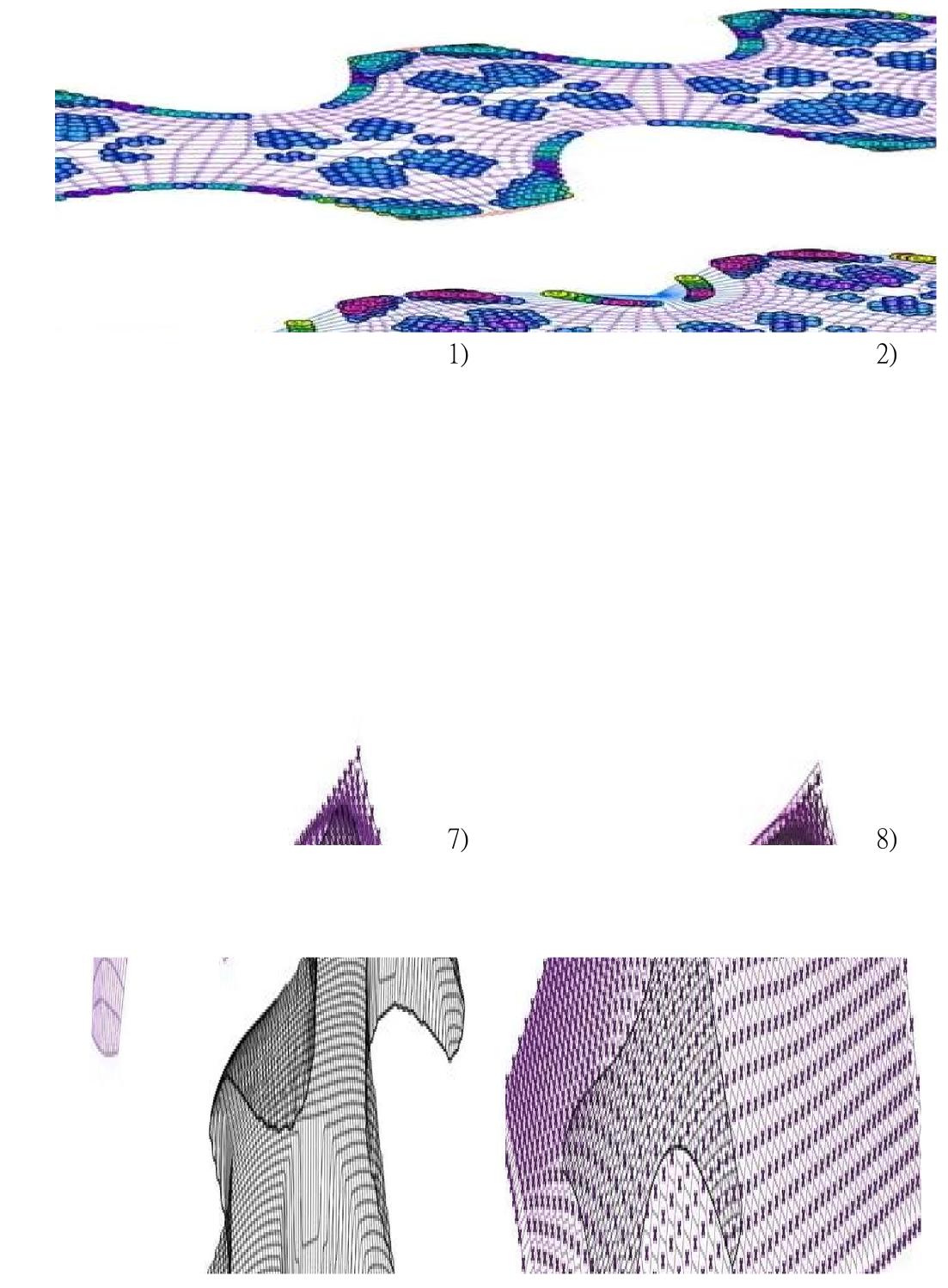


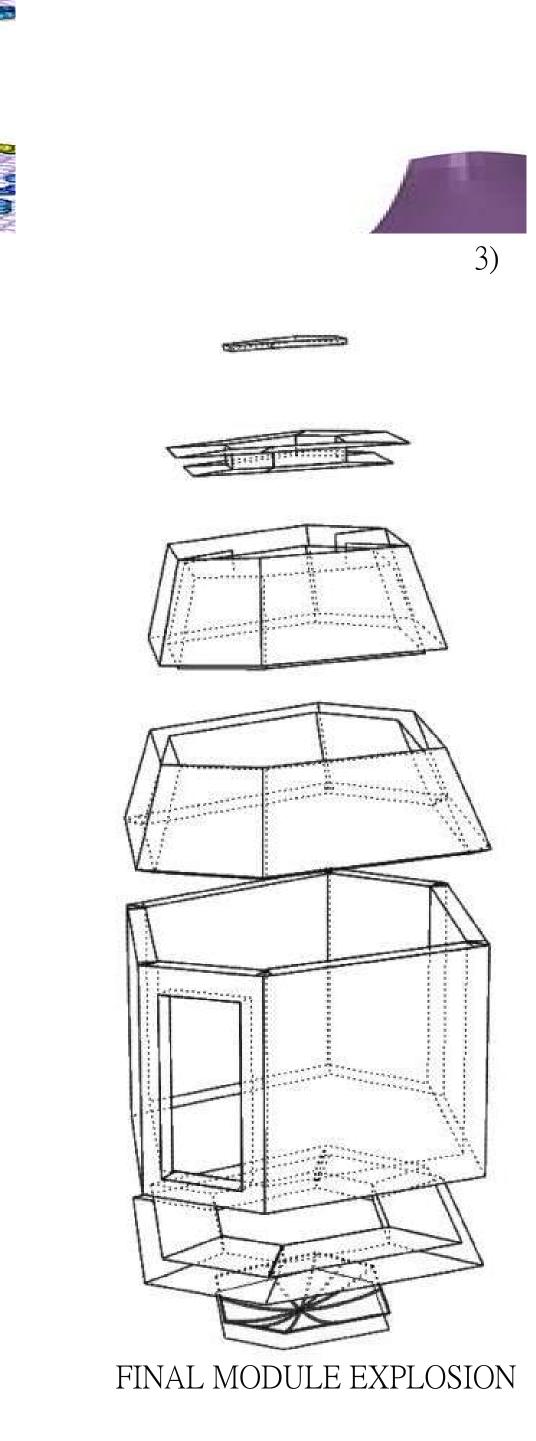


Form-finding process:

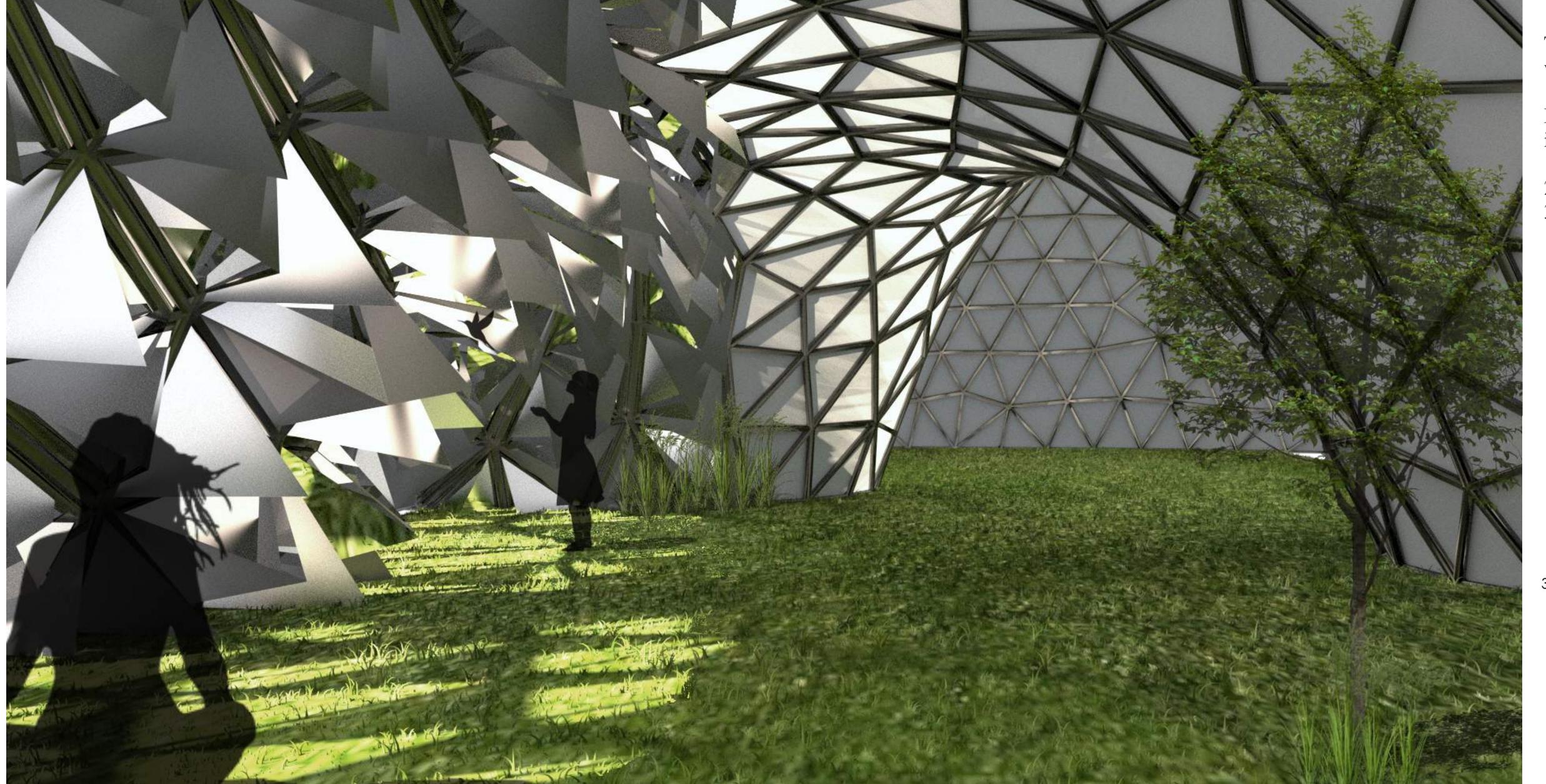
- 1) Select topography aerial view and sketch a basic <skull> structure.
- 2) Transform line work into a geometrical pattern.
- 3) Insert the 2D geometrical pattern into RhinoVault 2 and define a height and fixed points.







12)



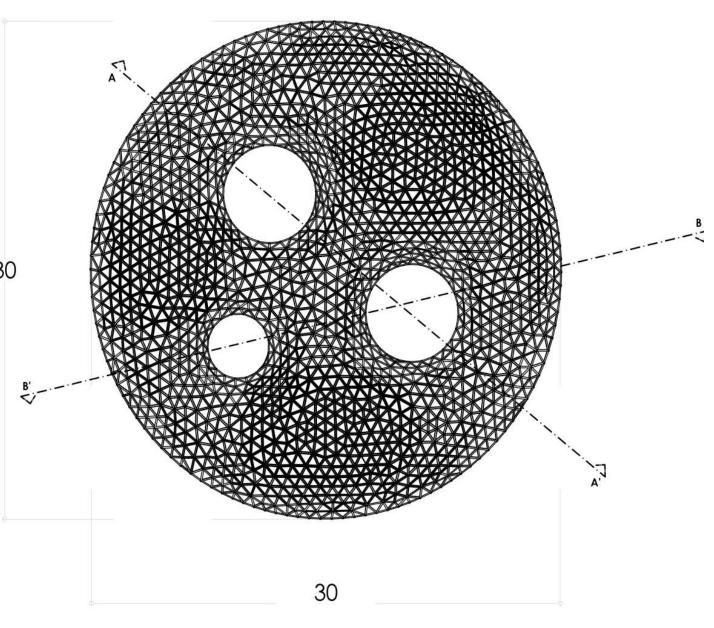
TRANSFORMABLE DOME

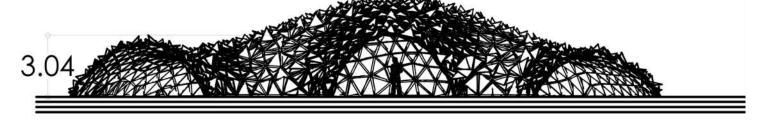
This adaptable structure was designed to provide humans with a solution to living in extreme climates.

In order to meet that goal different solutions were implemented:

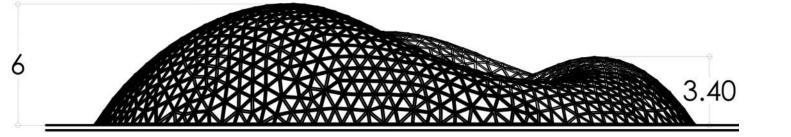
- 1) Phase changing materials.
- 2) A mechanical system.
- 3) Geometry optimized to work under compression only.

Graduated Studies, UNAM, 2021. Tools: Rhinoceros+Grasshopper, RhinoVault2. Therm, WUFI, Karamba 3D, Arduino.



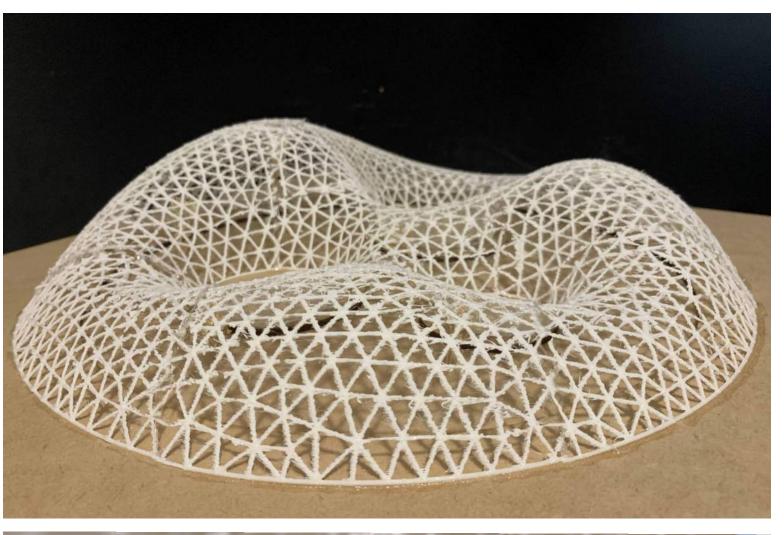






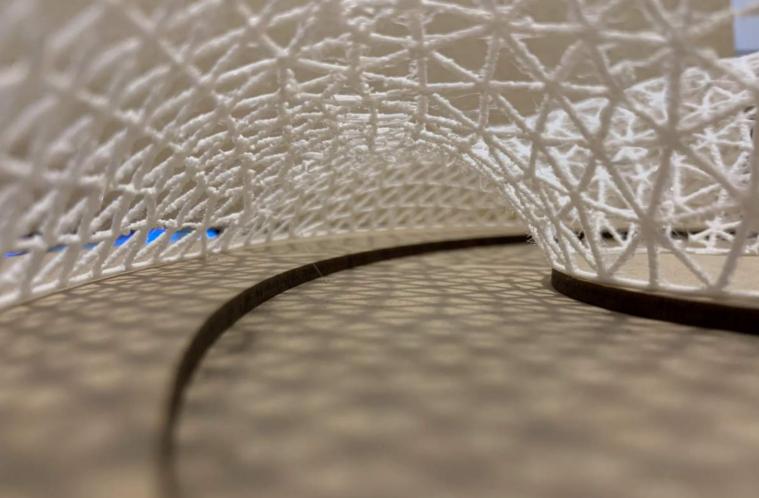


ELEVATION 2



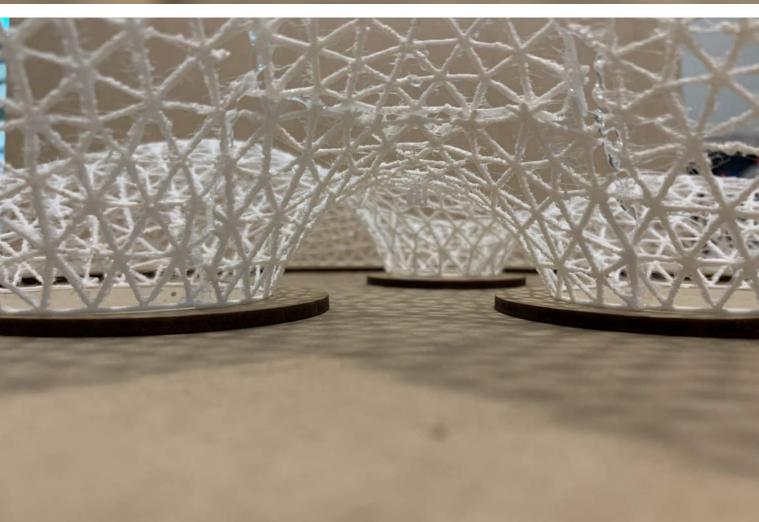
The geometric solution was obtained by using RhinoVault 2. Its floor plan is defined by one external circumference and three internal circumferences as supports. The maximum height parameter established was 6 meters while the minimum was 2 meters.

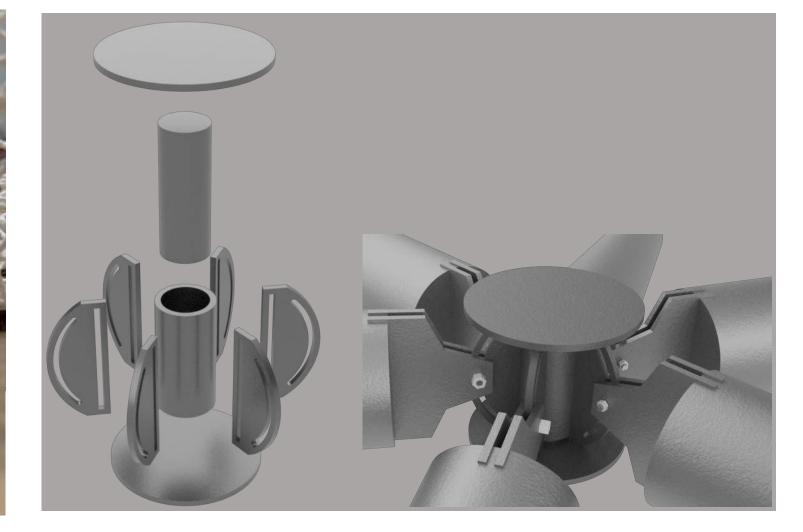
The generated mesh was subdivided into equilateral triangles, each one conceptualized as a thermal module. The resulting geometry is capable of resisting 20 times its own weight.

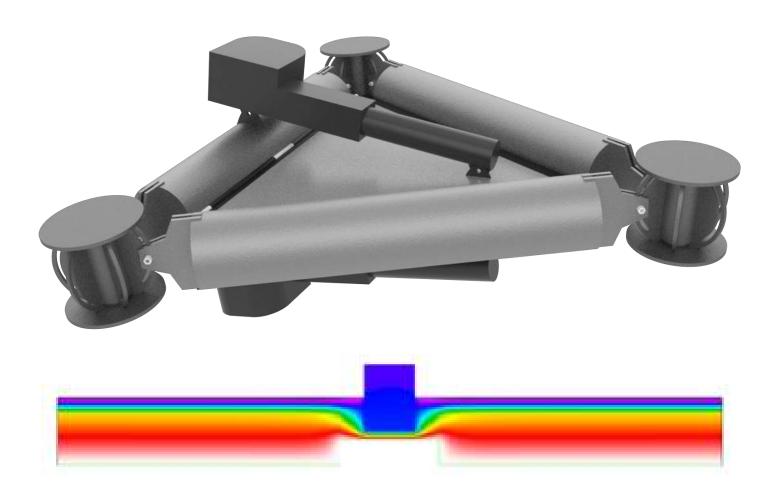


A free-form steel grid-shell was selected as construction system due to its capability of joining different surfaces into a single vertex independently of their rotation.

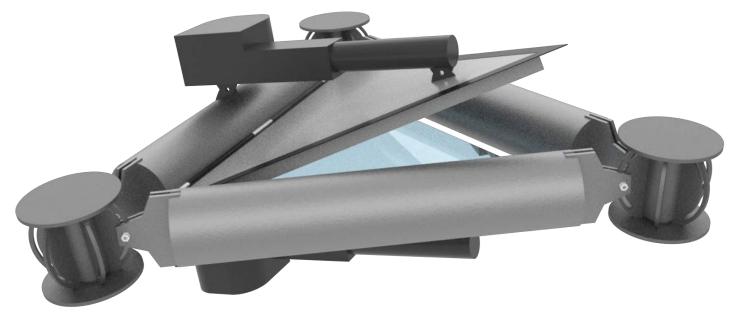
Once the geometry and the construction system were designed, a Static Analysis was developed using Karamba 3D. The resulting maximum displacement of the structure was 1 mm.



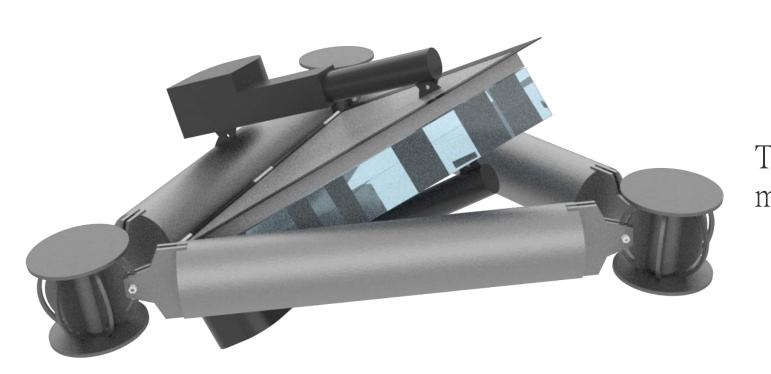




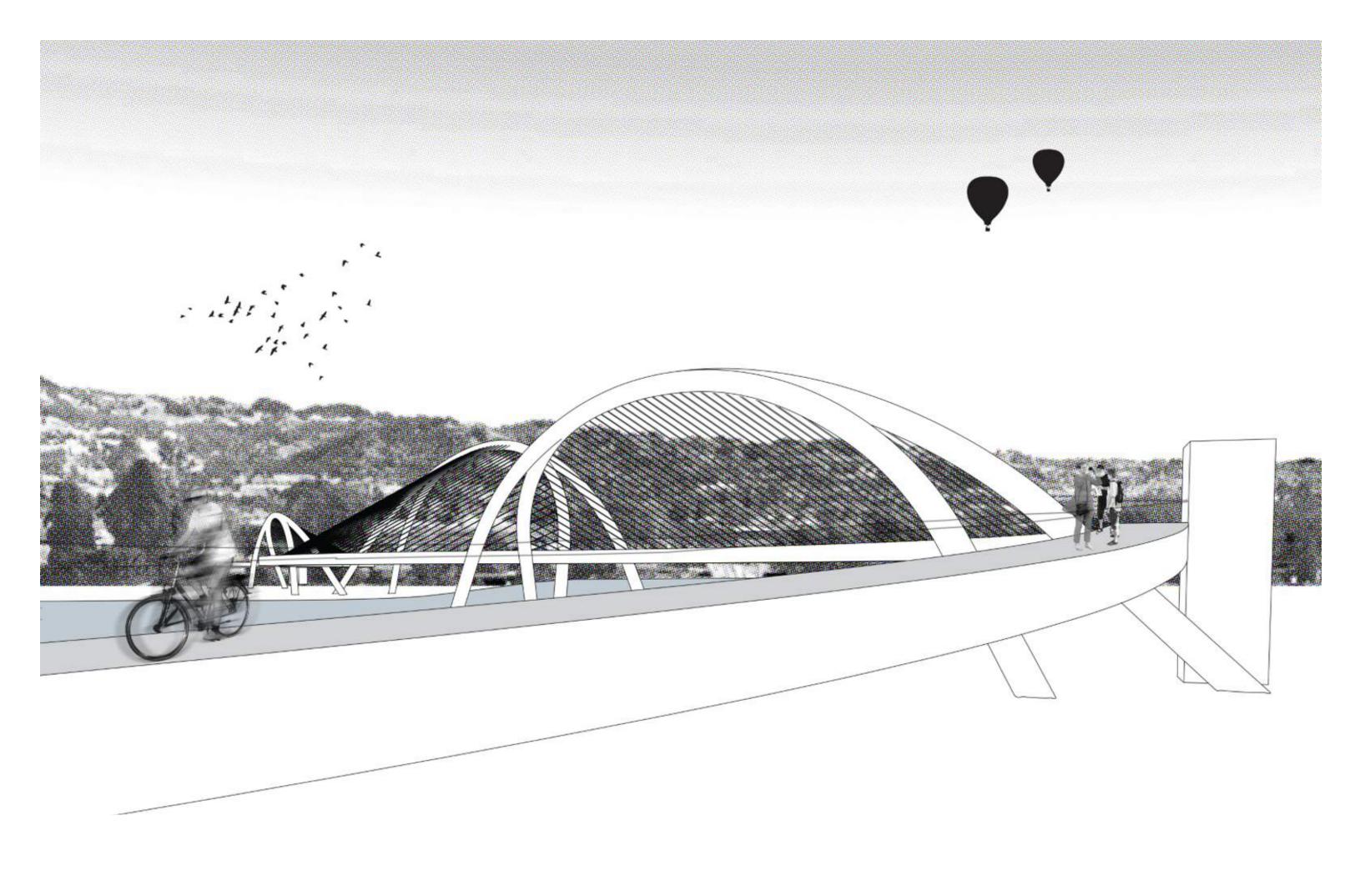
As a thermal control strategy, each module was conceptualized as a Heat Storage System by filling it with a phase-changing material. The assembly was analyzed by Therm and WUFI in order to visualize its thermal behavior.



A mechanical Rotation System was designed in order to modulate the amount of air coming from the exterior of the dome.



The system provides each module and its component with movement capacity without affecting the system's hermeticity.

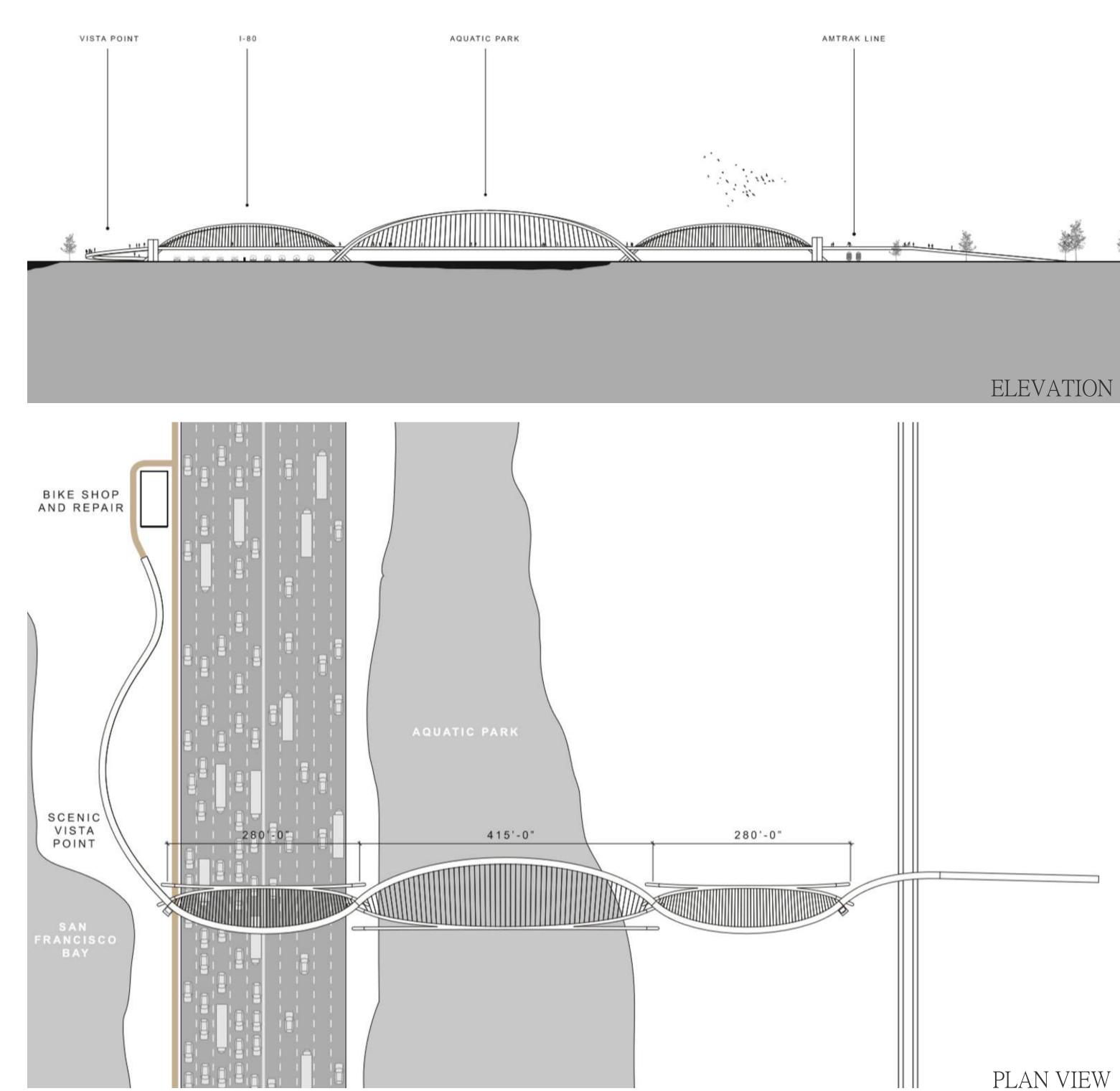


PEDESTRIAN BRIDGE

This conceptual bridge was designed to safely connect Berkeley, CA and the Scenic Vista Point across the river. The structural solution needed to span 975 ft. while being statically stable.

The designed structure consisted of three horizontal conjoined arches, supported by three inclined vertical supports, in order to generate equilibrium. The structure was proposed on hollow steel sections, steel cables, and concrete footings.

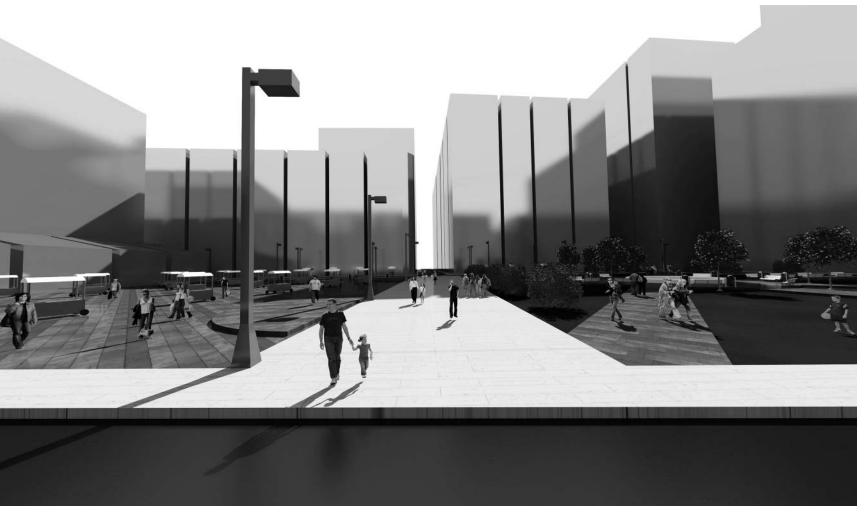
Undergraduate Studies, UC Berkeley, 2018. Tools: SAP 2000, AutoCAD, Rhinoceros, Adobe Photoshop.



URBAN REGENERATION PROJECT AND CULTURAL CENTER

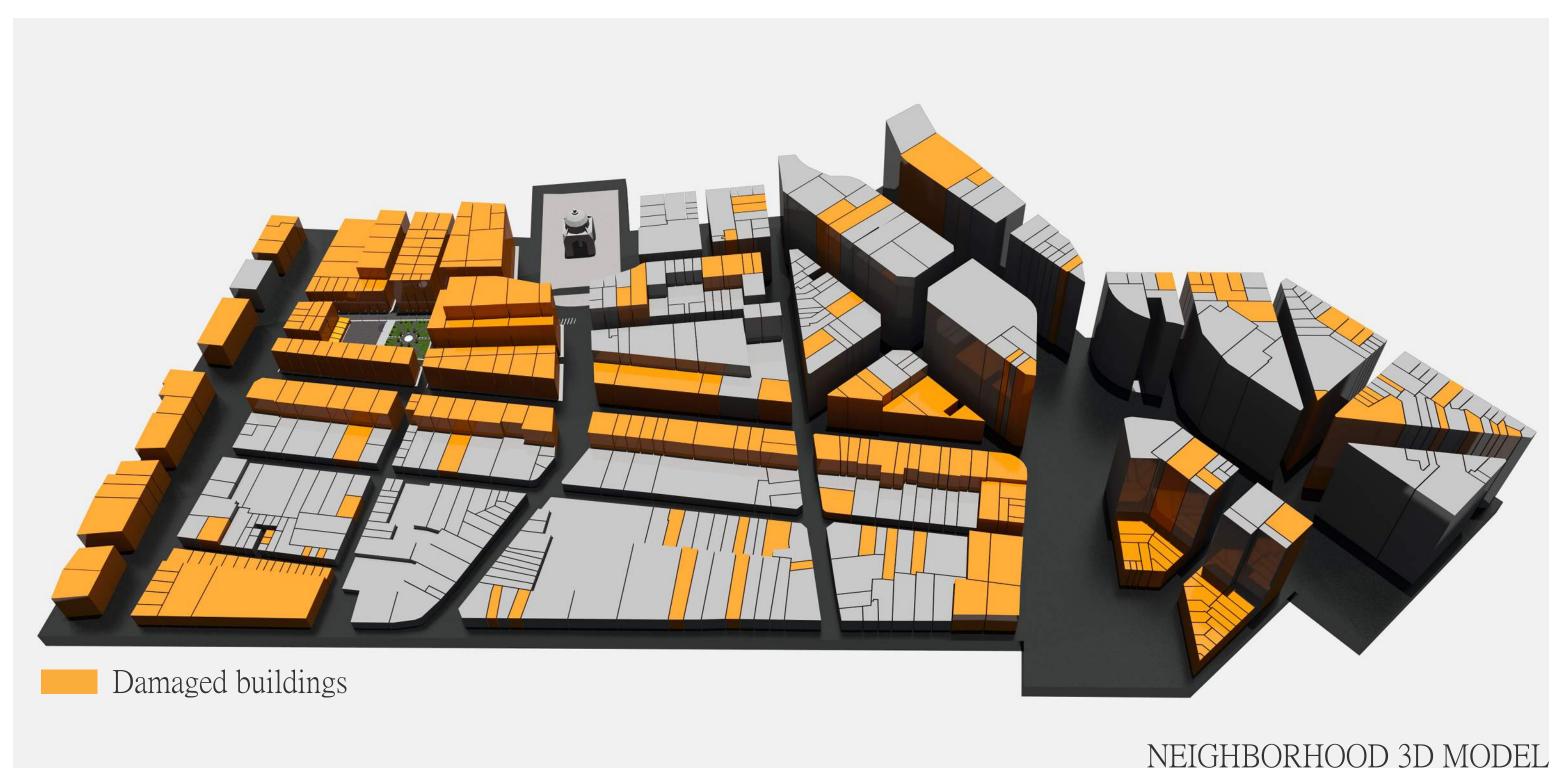
The project was developed as a response to the 2017 earthquakes in Mexico City. The goal was to propose a new Urban Plan for one of the most damaged neighborhoods. The new Urban Plan had three main purposes: to incentivize walking, to attract more young professionals to the area, and to increase safety.











Site visits and surveys took place in order to identify each damaged building in the neighborhood.

A new Zoning Plan was developed, dividing the neighborhood as follows:

Residential

Commercial

Mixed-use

Transportation Terminal

Commercial Studios

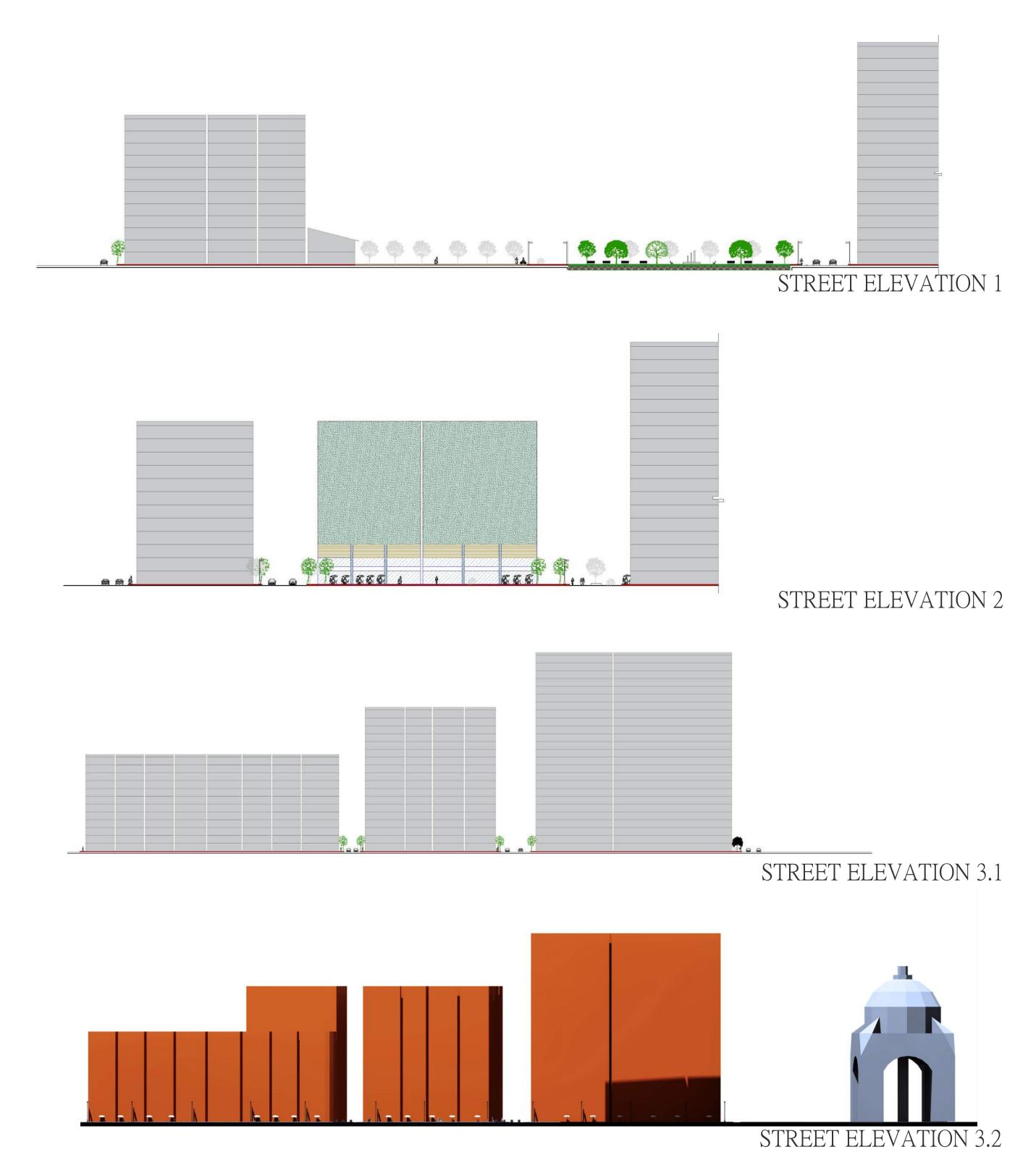
Subway Station

Corporate Offices

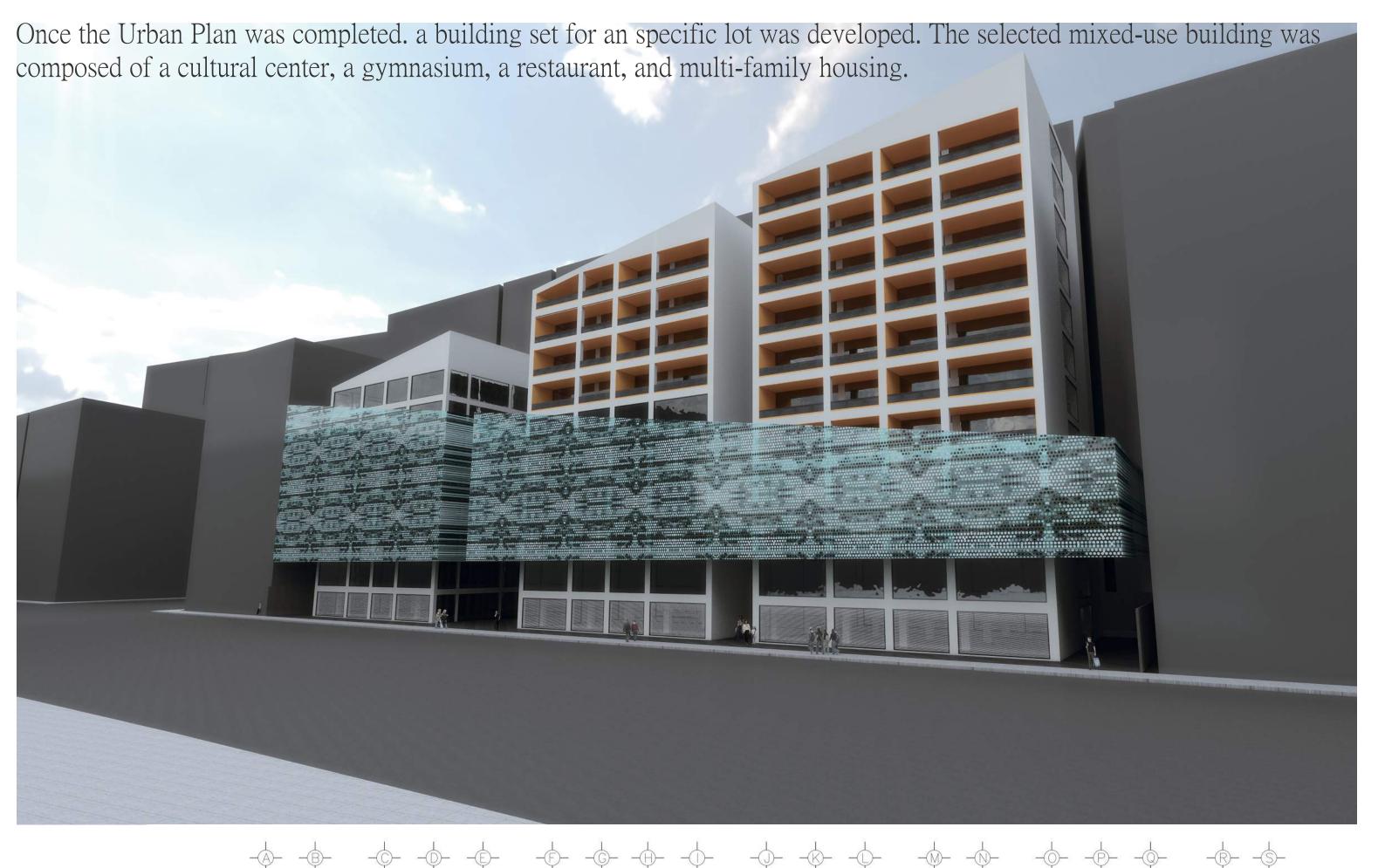
Parking

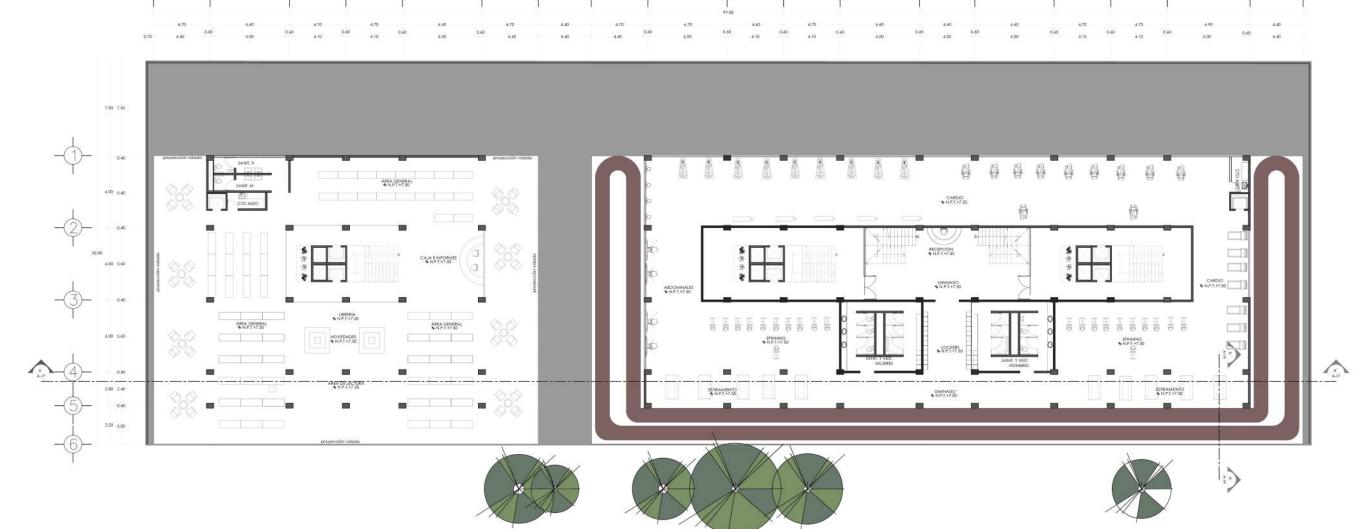
A pedestrian-only street and a public garden were also proposed.



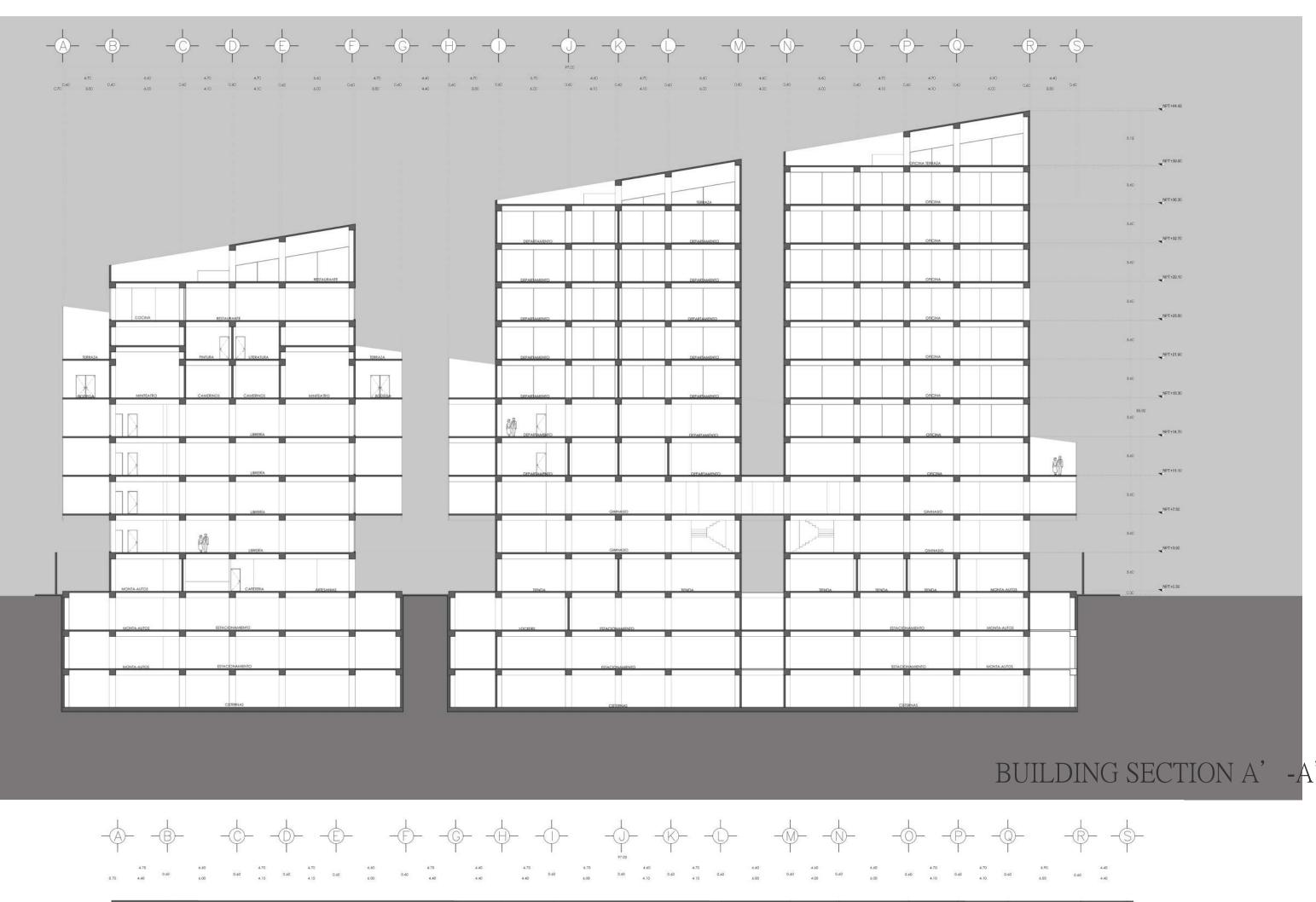


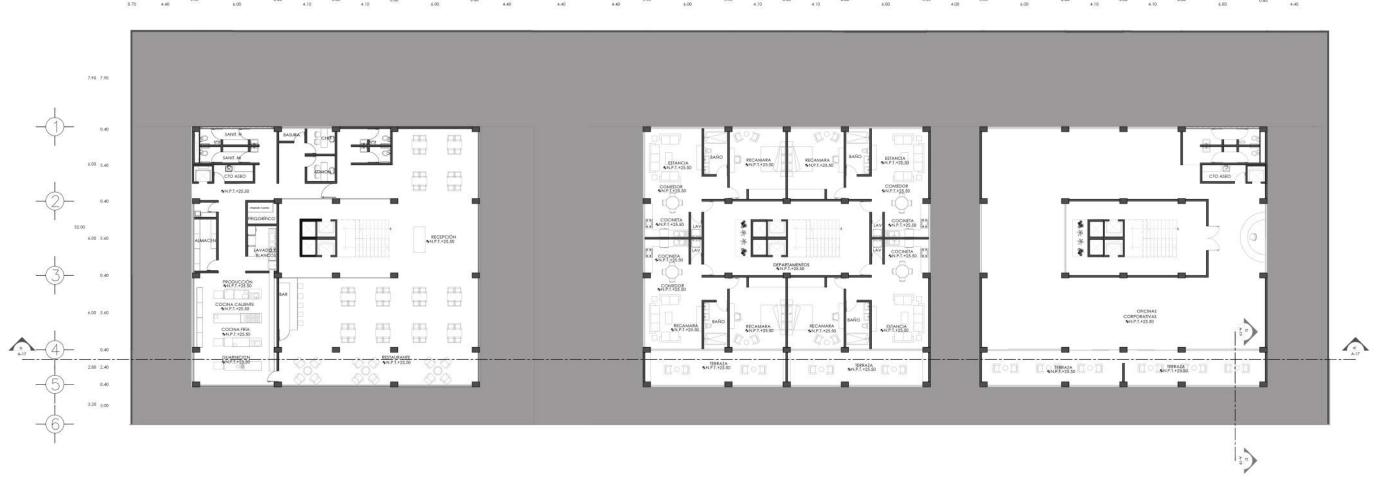
ZONING PLAN





FLOOR PLAN - 3RD FLOOR

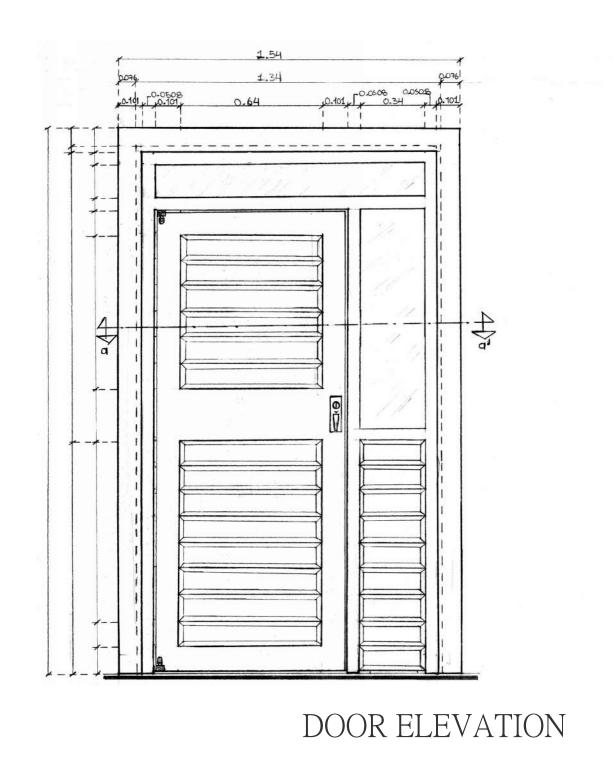


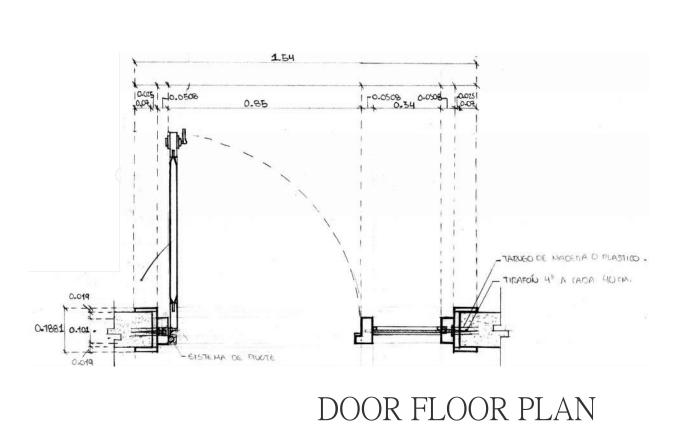


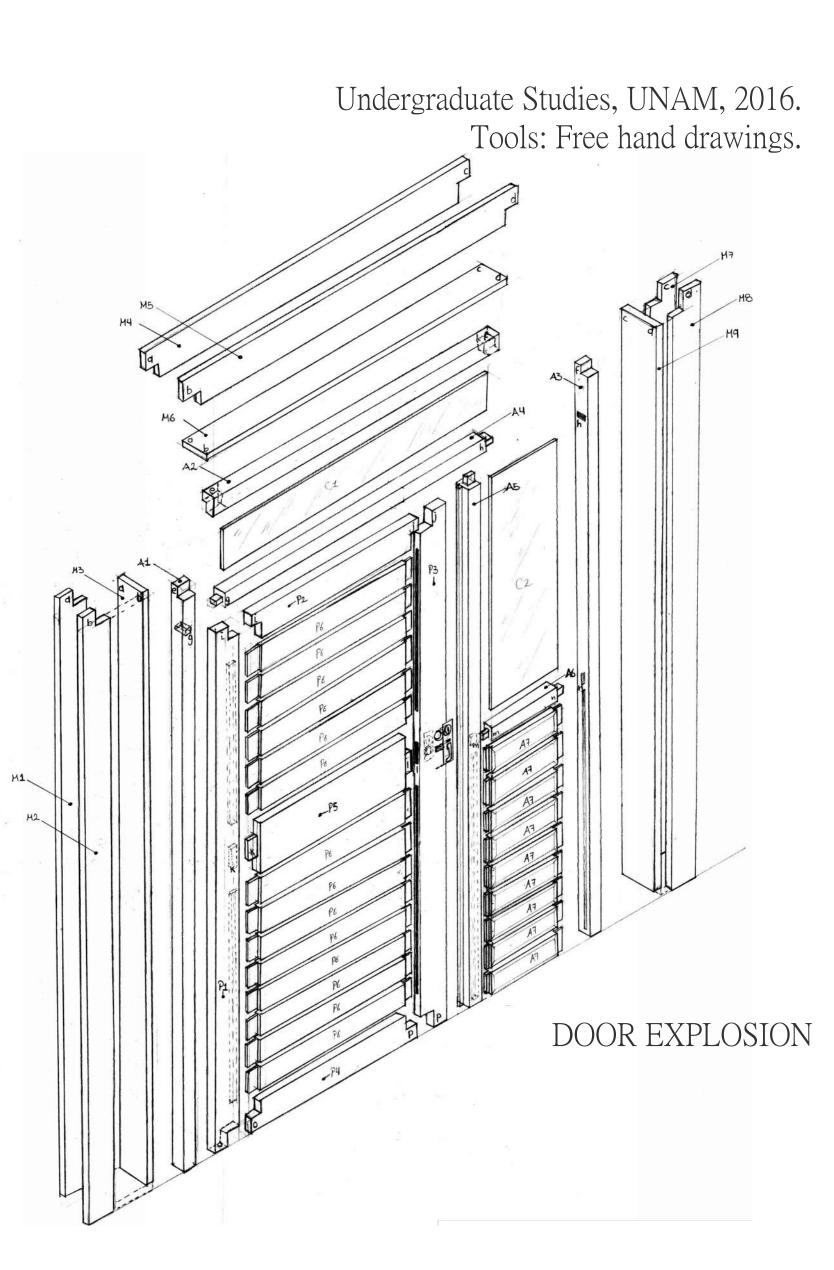
FLOOR PLAN - 9TH FLOOR

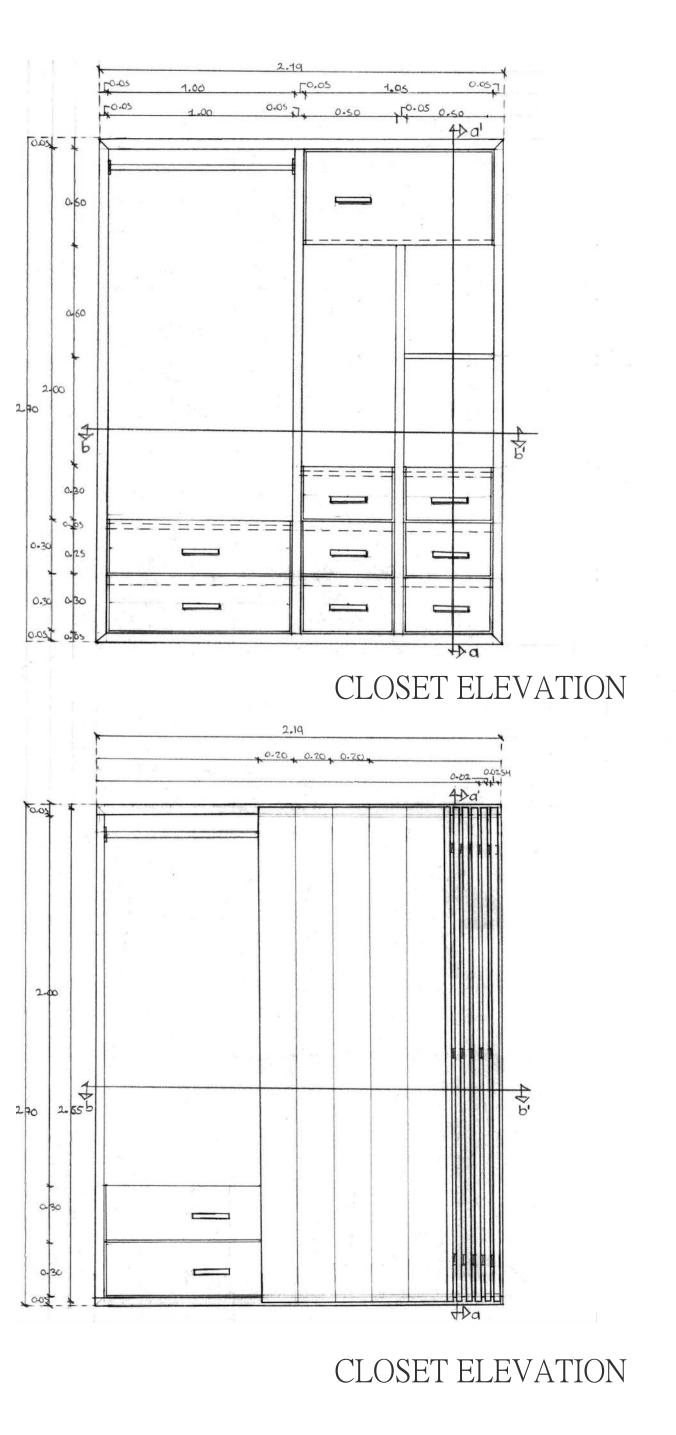
CARPENTRY DESIGN

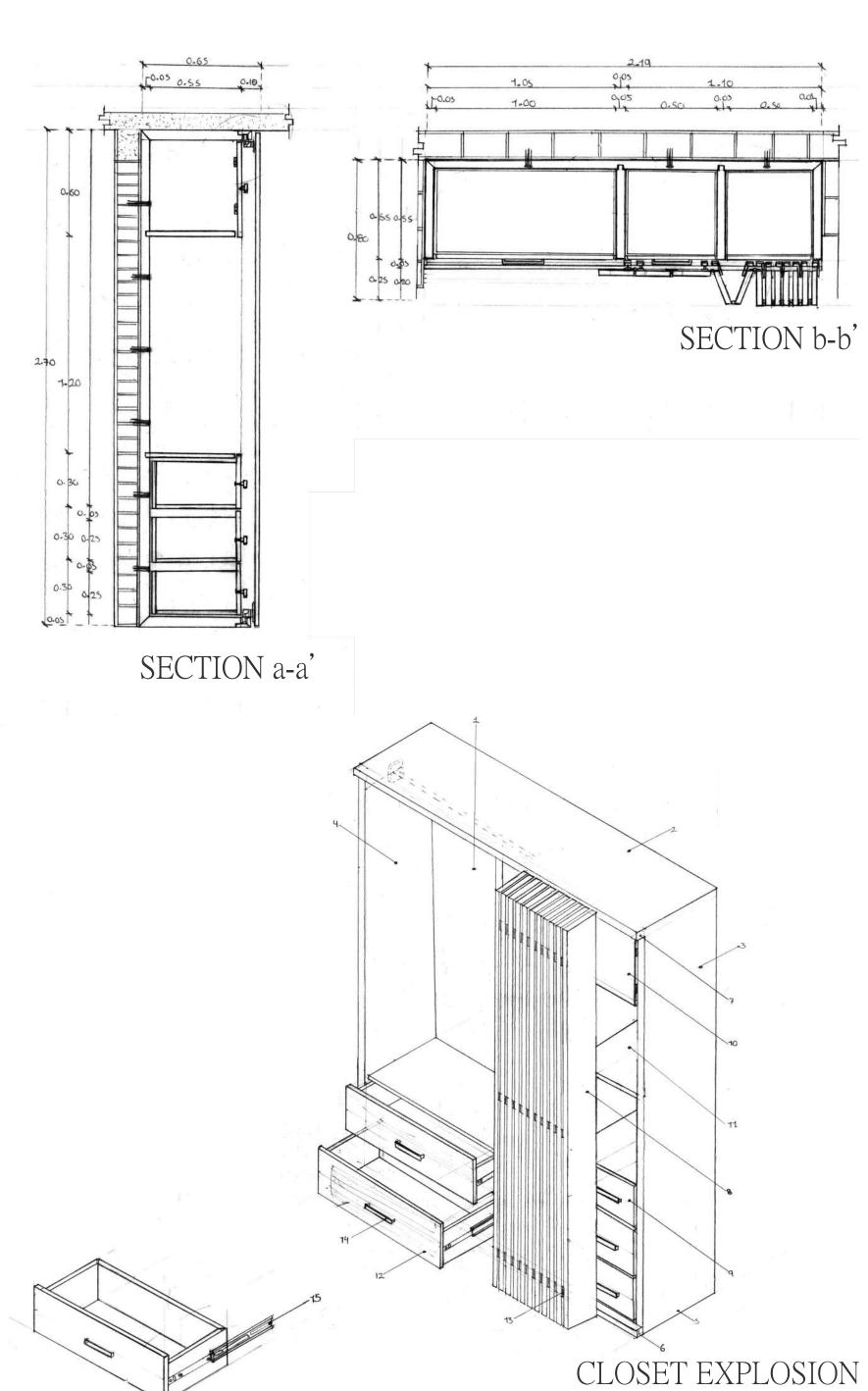
The below free hand drawings show the conceptual design of a wood entrance door and a closet for a single-family residence, explaining the different pieces that compose each carpentry element and how they should be assembled together.











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