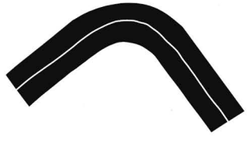
ANA ROBY

CONTENTS



01 WINERY TASTING ROOM

Cloudline



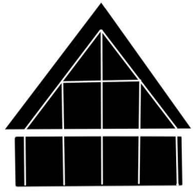
02 WINERY: PRODUCTION & HOSPITALITY

Mayacamas Ridge



03 ESTATE TASTING BARNS

Artful Symmetry



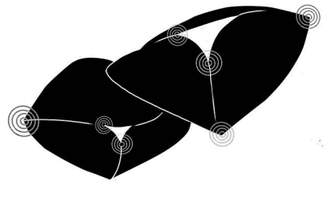
04 CASE STUDY

Summer House



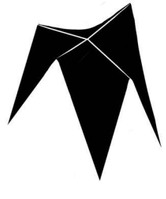
05 HOUSING

Neighborhood of Rooms



06 BOTANICAL GARDEN

Between Canopies



07 STRUCTURE & SYSTEM

Candela



08 CHILDREN'S CENTER

Corral Canyon

My name is Ana .

I grew up somewhere between Mendoza and California.
This deeply influenced the way I think about architecture, culture, and identity.

I received my B.A. in Architecture with a minor in History of the Built Environment from the University of California, Berkeley in 2022. Following my undergraduate studies I cultivated a practice across Art & Architecture in the Napa Valley. I worked on winery, hospitality, and residential projects, an experience that strengthened my interest in human-scale, culturally grounded and elevated design.

I am now based in Los Angeles , where I continue to create and design while also pursuing my Masters in Architecture.

0.1 Winery Tasting Room
Cloudline

Signum Architecture 2023
In Collaboration w/ Juancarlos Fernandez, Founding Partner

Project Location: Confidential

A leading California winemaking family sought to venture North to Walla Walla WA.
Their new winery hospitality building will lie north-east of the town, amongst the rolling hills and with distant views of the Blue Mountain range.

Unlike other buidlings of its kind in the area, the standing seam metal lies over an elegant palette of vertical sho sugi ban wood siding with plaster above the 10' datum line.

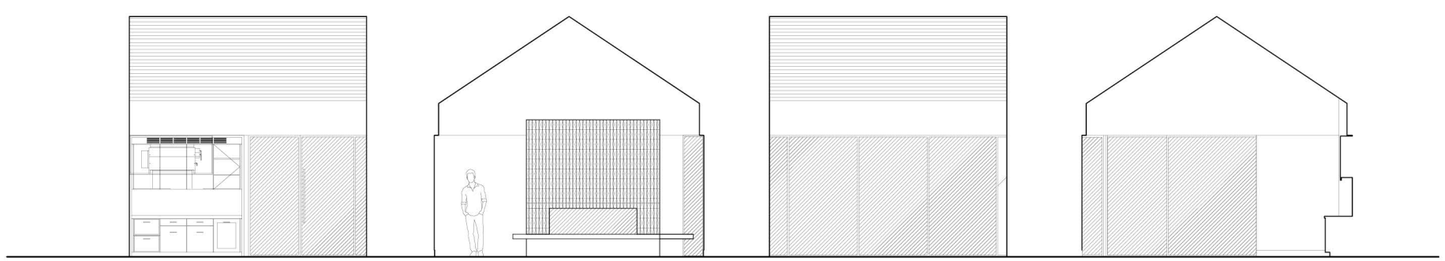
In executing a seemingly simple move, details and craft become essential-- subtle reveals & intentional alignments.

These materials are personal to the family, as the charred wood becomes a tribute to a cherished property that burned during the 2020 Glass mountain Fire, an homage to the Napa Valley.



COVERED TERRACE





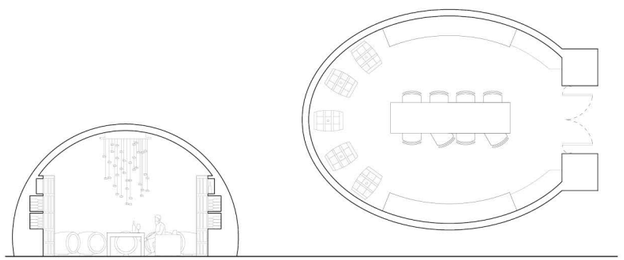
WINERY APPROACH + INTERIOR ELEVATIONS

0.2 Winery Production & Hospitality
Mayacamas Ridge



Signum Architecture 2024
In Collaboration w/ Juancarlos Fernandez, Founding Partner

Project Location: Napa Valley



Embedded within the hillside halfway up Spring Mountain, the winery is carefully concealed from the valley below. Separated from the client's residence, it functions as a private hospitality retreat, pairing an 800-square-foot entertaining space with a cave for wine production and barrel aging.

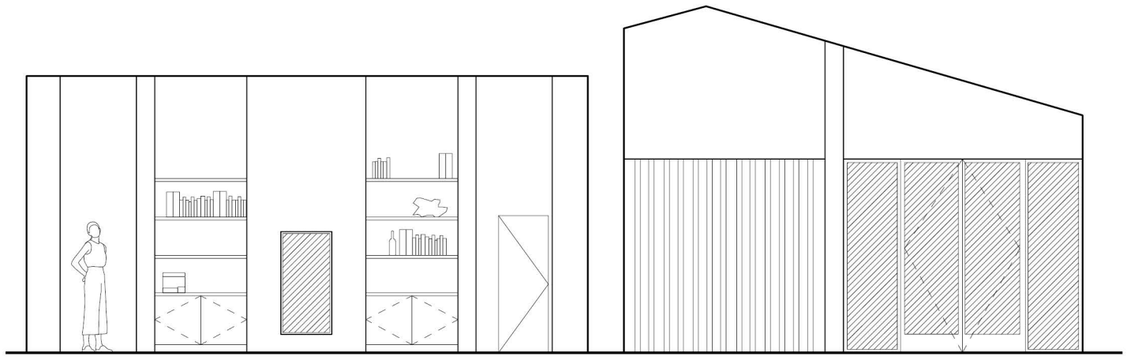


TASTING RM WITHIN PRODUCTION CAVE



WINERY APPROACH



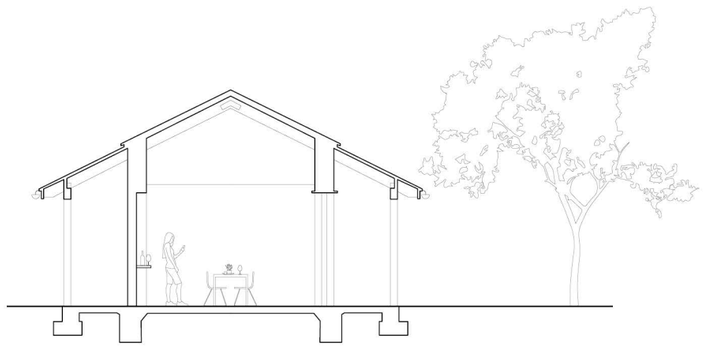


TASTING RM: EXTERIOR VIEW & INTERIOR ELEVATIONS

0.3 Estate Tasting Barns
Artful Symmetry

Signum Architecture 2026
In Collaboration w/ Juancarlos Fernandez, Founding Partner

Project Location: Confidential

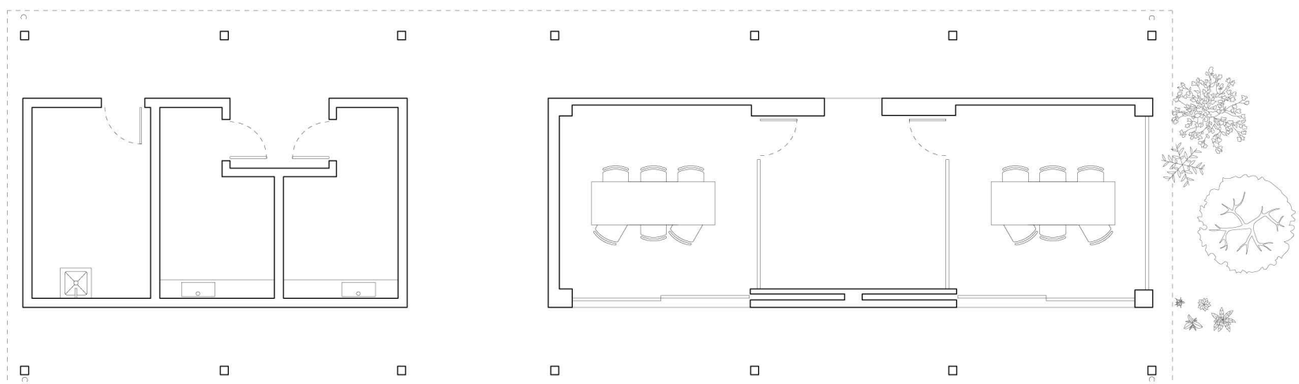


Located within a landscape of regenerative vineyards, gardens, and rolling hills, these elegant twin barns sit among an ever-growing collection of contemporary art. They are designed to function as member lounges and flexible event spaces.



INTERIOR OF TASTING BARN





EAST TASTING BARN FLOOR PLAN

0.4 CASE STUDY
Summer House

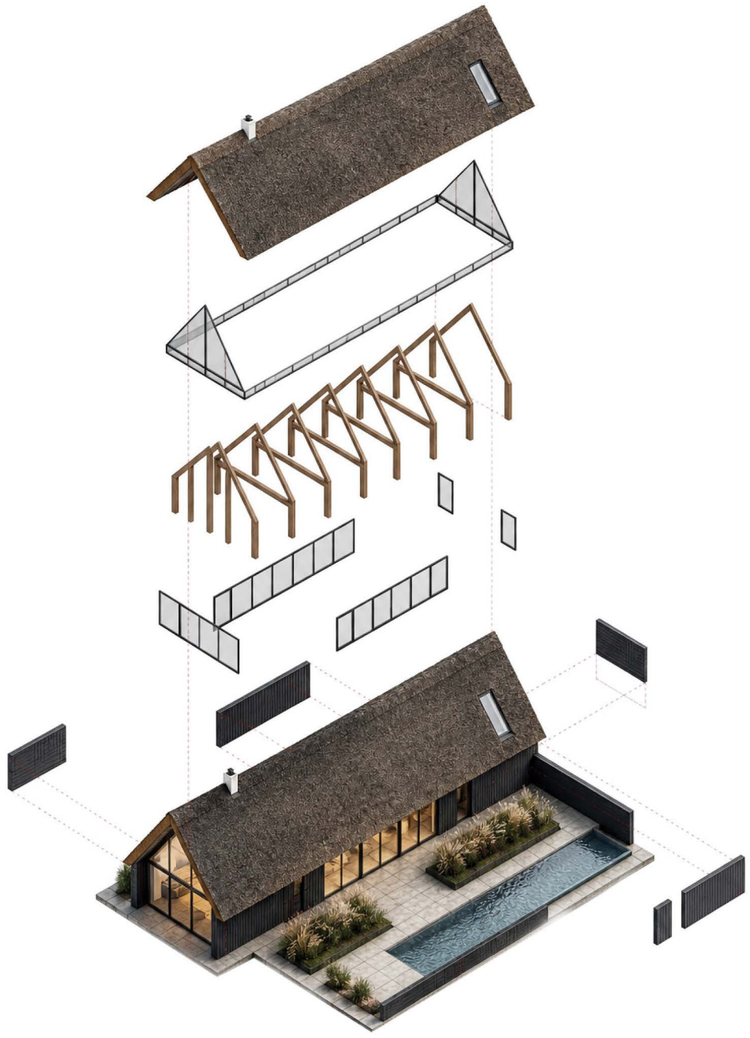


UCLA 2026 - Introduction to Construction 436
Group Project

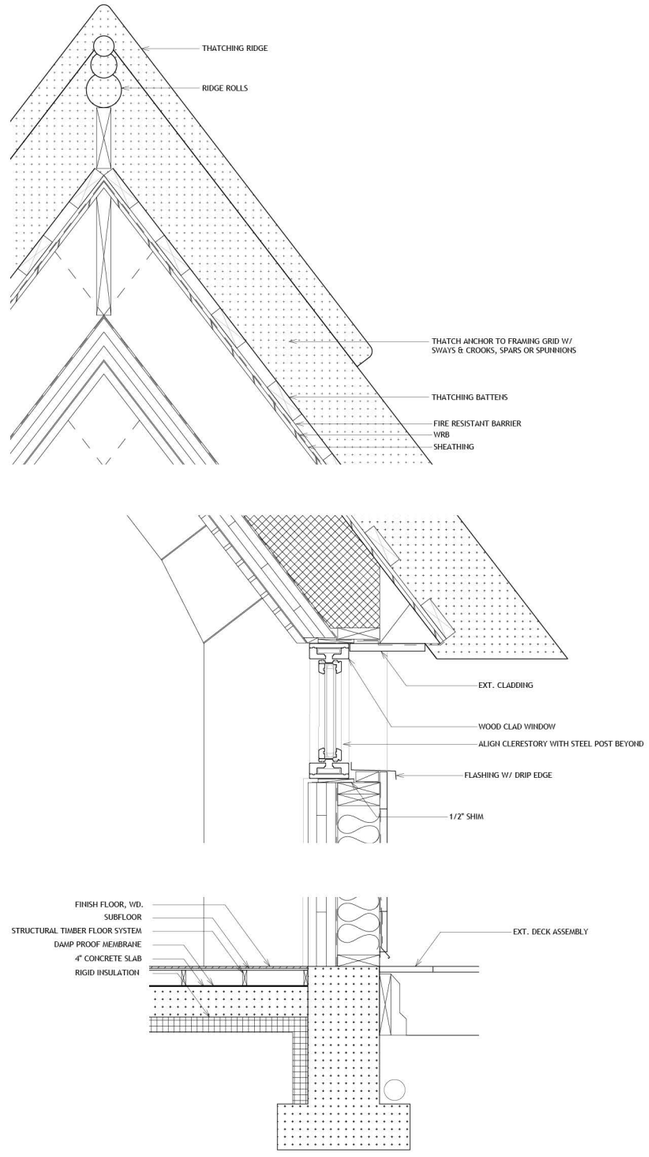
Project Location: Denmark

This study reconstructs the construction logic of the Summer House by PAX Architects in the absence of published construction documents. Working primarily from editorial photography and a single stylized floor plan, the project reverse-engineers key assemblies, details, and material relationships through careful visual analysis and inference.

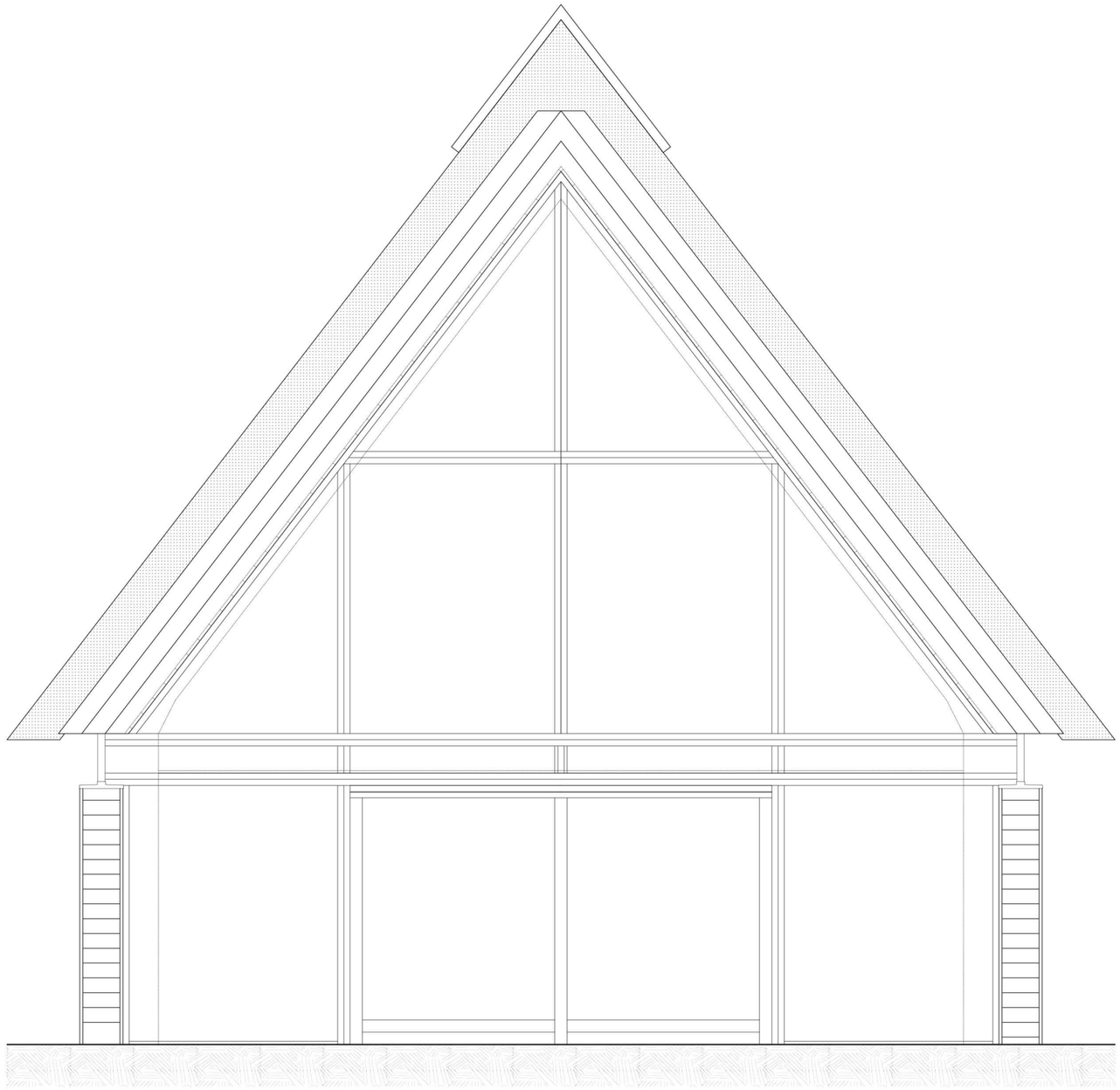
We developed a set of speculative construction drawings that articulate the building's envelope, structural system, and sequencing. The process required translating atmospheric imagery into precise architectural information, bridging representation and tectonic understanding.



EXPLODED AXO



ASSEMBLY DETAILS



FRONT ELEVATION

Grounded in Danish vernacular traditions, the project pays particular attention to the thatched roof as both cultural artifact and performative envelope. We analyzed its thickness, pitch, and layering to speculate on water-shedding, insulation, and ventilation strategies, translating these observations into a detailed roof assembly. This culminated in a physical model that tests the buildup and sectional logic of the thatch in relation to the underlying structure.



3D DETAILS

0.5 HOUSING
Neighborhood of Rooms

UCLA 2026 - Studio 413
Individual Work

Project Location: Mir, Los Angeles

Neighborhood of Rooms morselizes the single-family house into a collection of interconnected rooms, courtyards, and shared spaces that can be occupied in multiple ways over time, proposing a flexible and communal model of living.

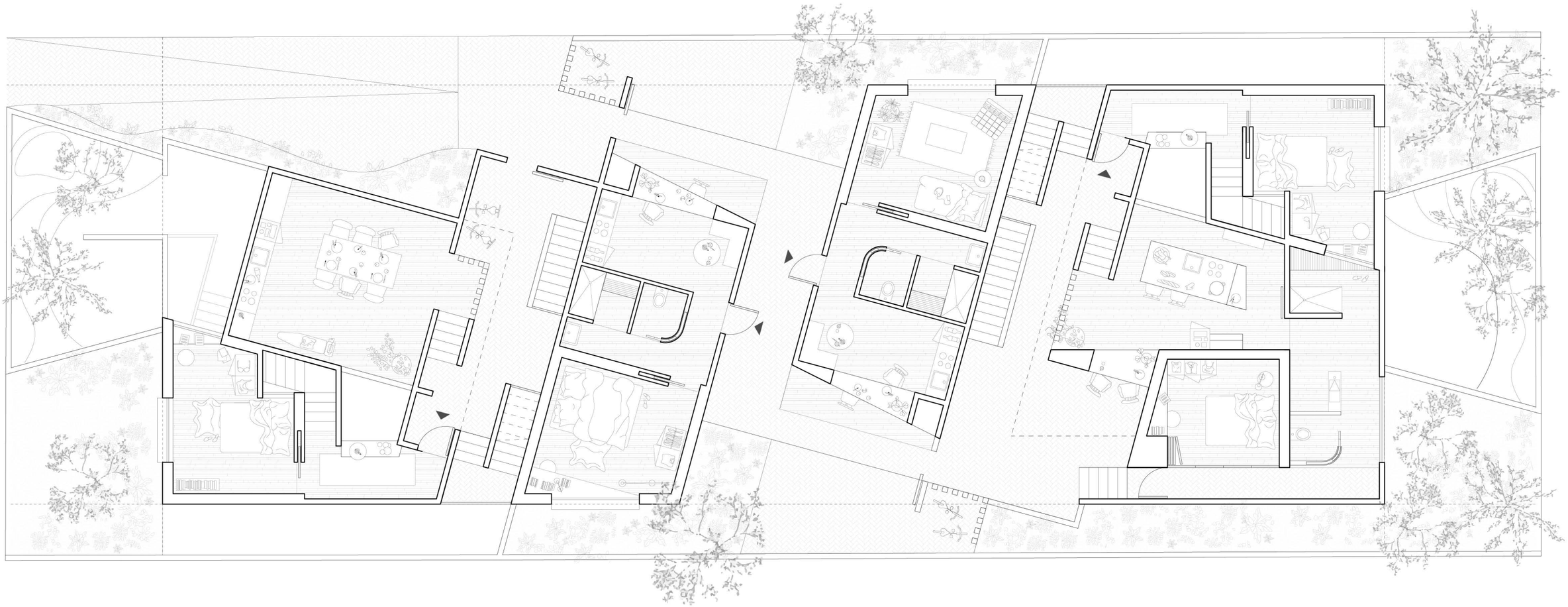
Staggered levels and partially sunken spaces establish a thermal hierarchy across the project, using the ground to moderate temperatures during hot Los Angeles summers while also creating a richer sense of proportion and enclosure to define spaces as either interior, semi-interior, semi exterior or exterior. This thermal hierarchy corelates to a gradient of privacy, with “interior” spaces being the most secluded, while “semi-exteriors” become shared.



VIEW FROM STREET

The project is generated through diagonal subdivision and subtle shifts between simple volumes.

This produces a network of rooms and layered thresholds that create opportunities for both access and interaccess: allowing circulation to occur across the site but also between clusters, encouraging social interaction while maintaining varying degrees of privacy and intimacy.

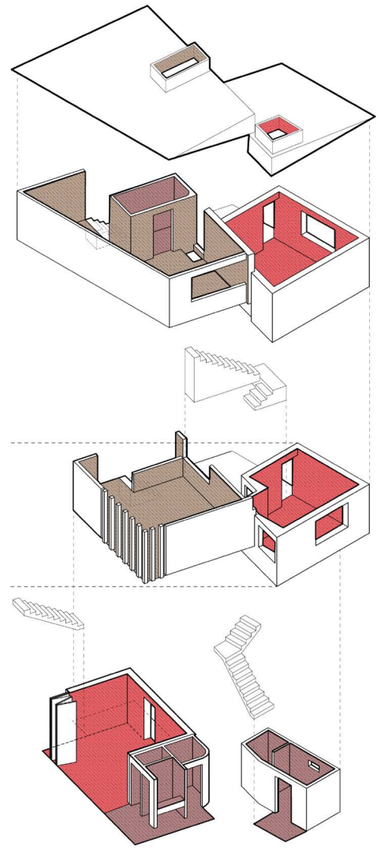


GROUND PLAN



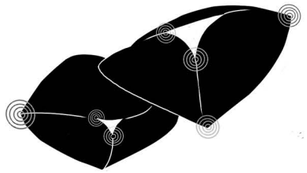
SCALE MODEL

The proposal can operate as four primary units each with a JADU, in addition to two ADUs (8 dwellings total). However, its ambition is to move beyond a collection of isolated residences and instead imagine a "neighborhood of rooms" that offers a new paradigm for density in Los Angeles, one that prioritizes flexibility, shared living, and the quality of everyday interactions.



UNIT AXO

0.6 Botanical Garden
Between Canopies



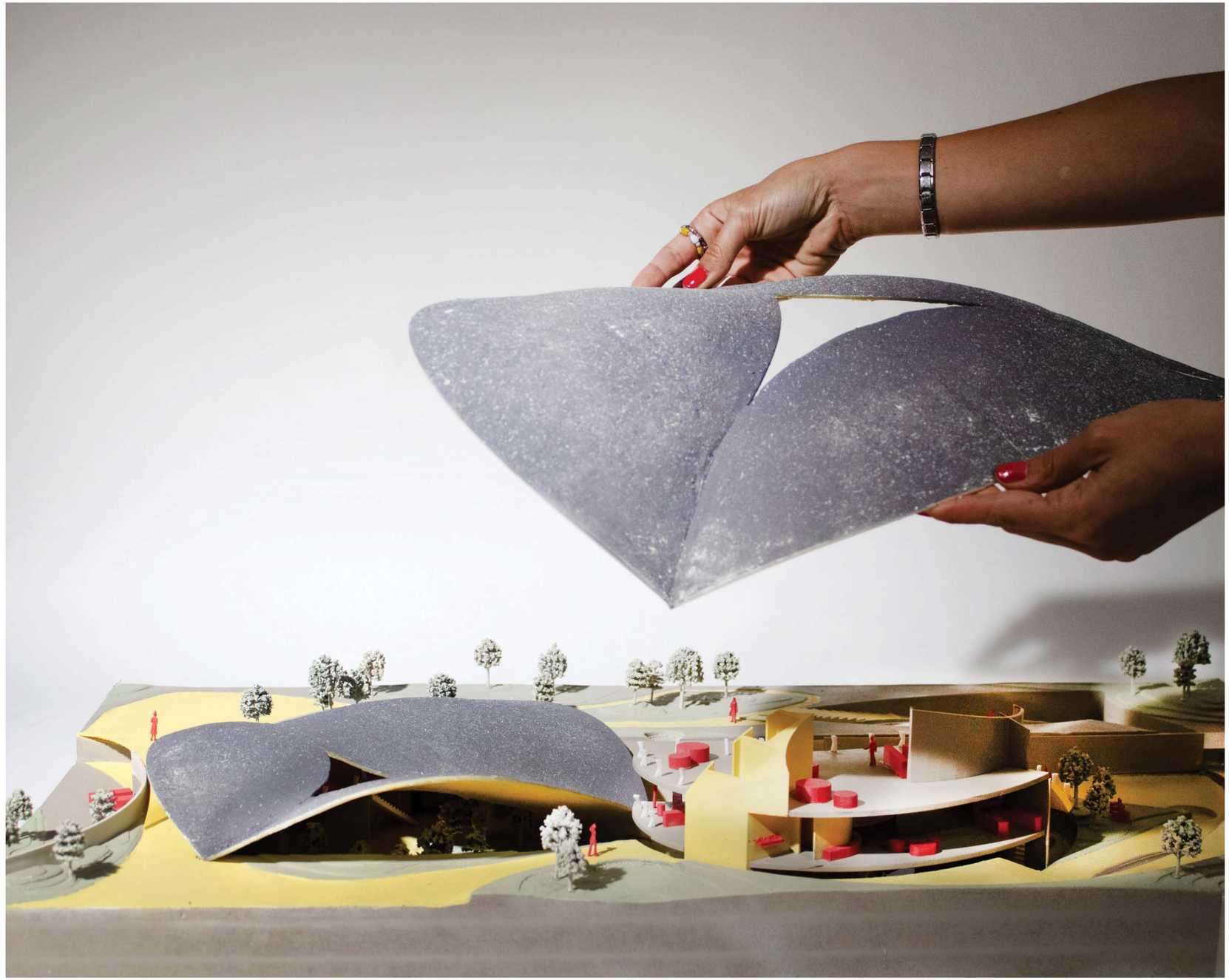
UCLA 2026 - Studio 412
Individual Work

Project Location: Miracle Mile, Los Angeles

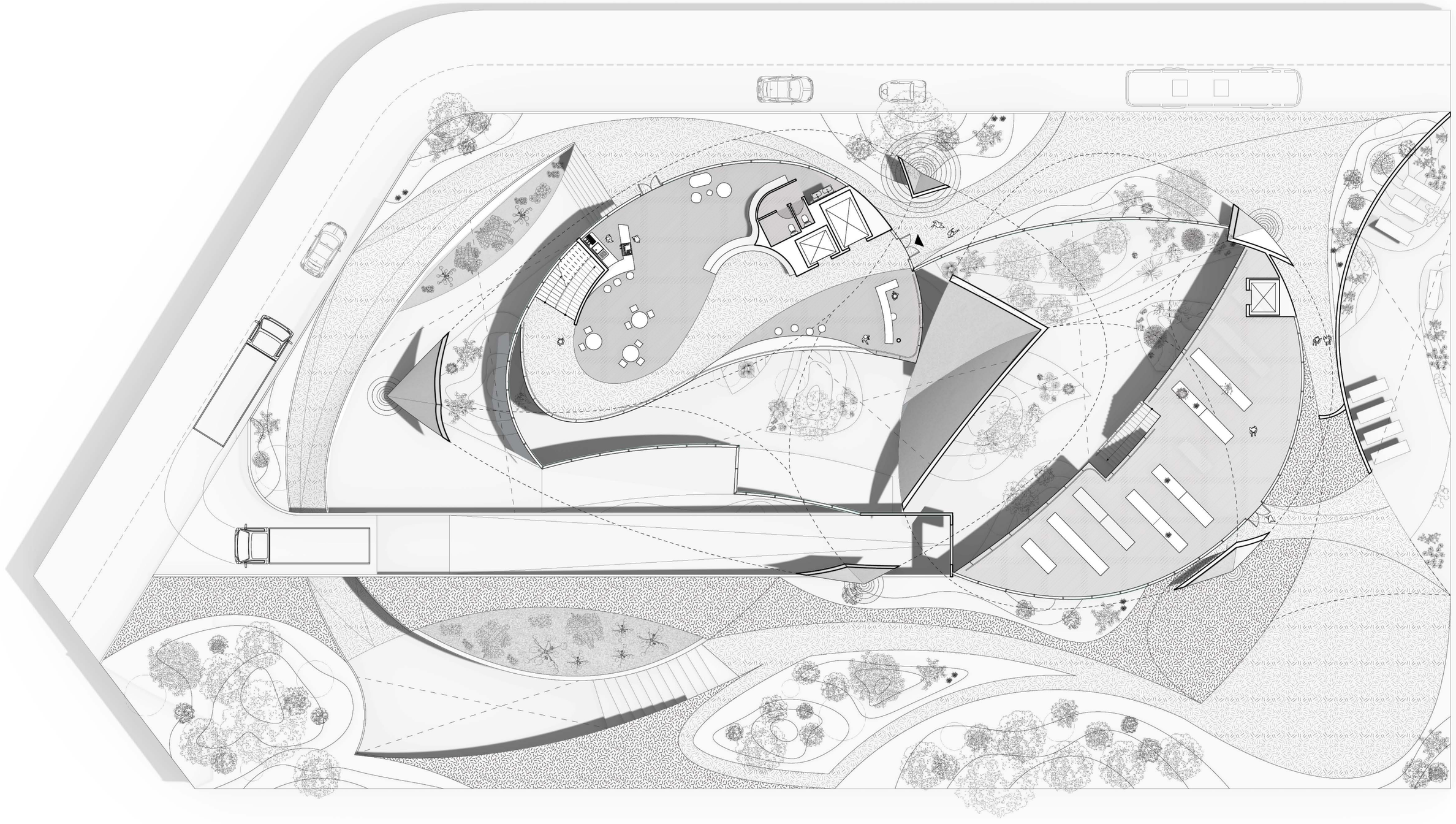
The botanical garden lies within a system of two nested concrete shell structures derived from the hyperbolic paraboloid geometries of Félix Candela. Rather than replicating precedent, the project develops a rule-based aggregation of parabolic surfaces, producing shells that span, detach, and lightly touch the ground resolving into minimal points of contact that meet the ground almost like spider legs.

Programmatically, the project shelters a botanical environment from the surrounding urban condition: visitors enter through a café and descend into a sunken arboretum or ascend to a herbarium above.

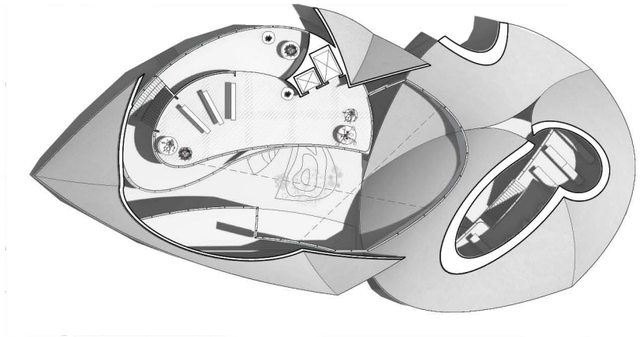
Sectional organization reinforces a gradient from public to controlled environments, while maintaining visual and spatial continuity throughout.



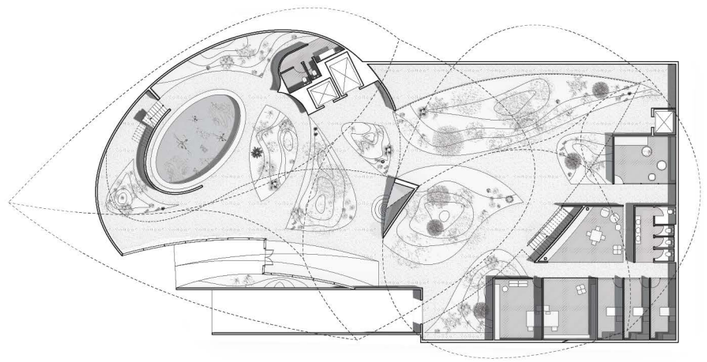
PHYSICAL MODEL



GROUND PLAN



PLAN CUT THROUGH ROOF SHELLS OF 1ST LEVEL

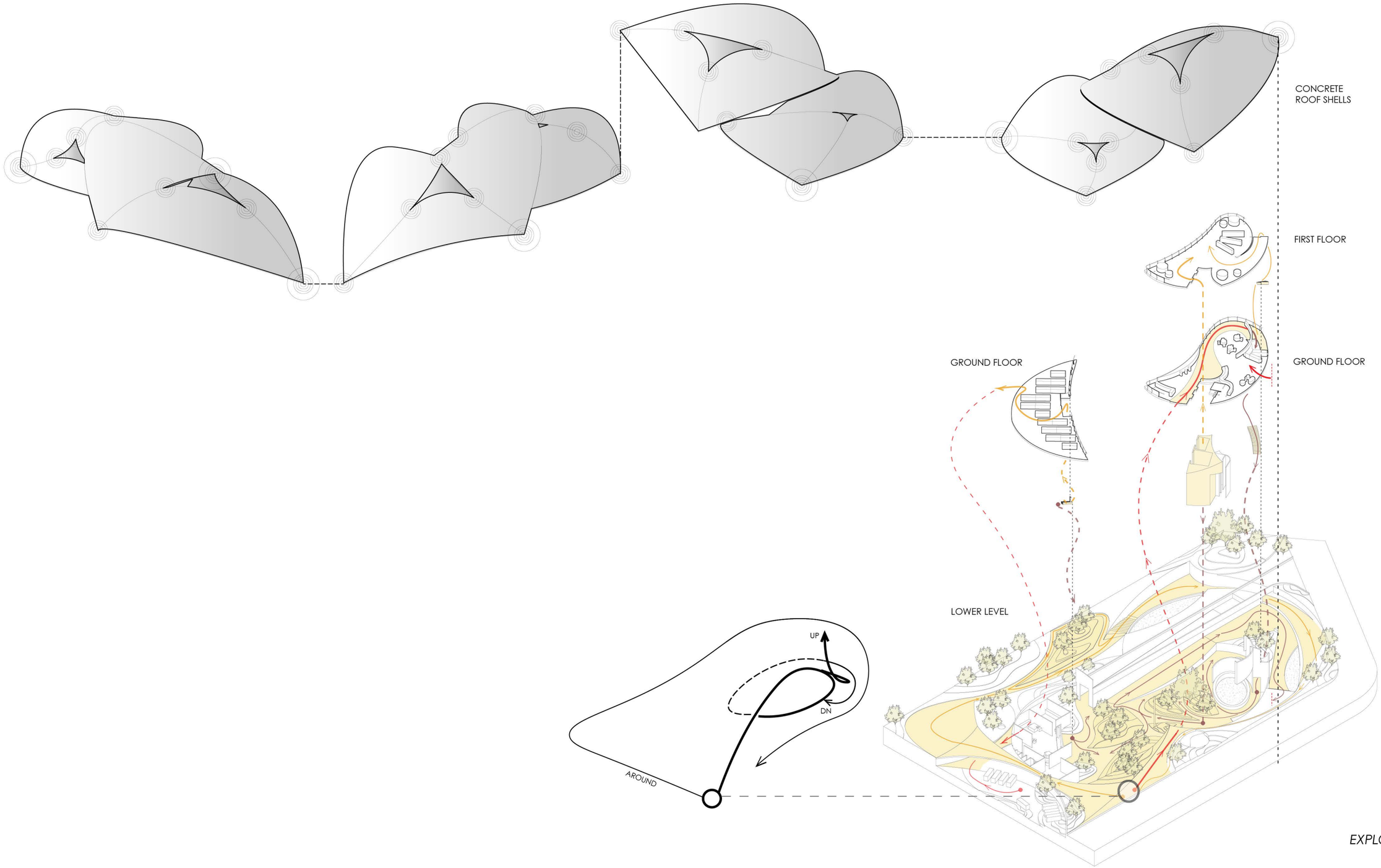


BASEMENT PLAN

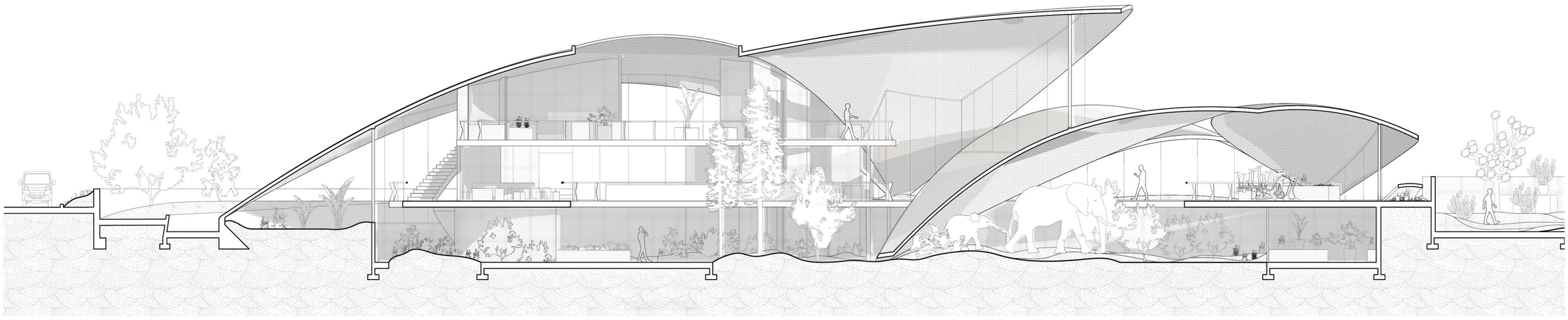
The project is concerned with system but also intentional inefficiency, using a calibrated logic of aggregation to produce moments that exceed strict optimization. In doing so, it explores how structural form can generate atmosphere, framing a botanical environment that is both sheltered and open to light, air, and seasonal change.



PHYSICAL MODEL

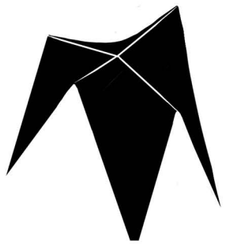


EXPLODED AXO



LONG SECTION

0.7 Structure & System
Candela



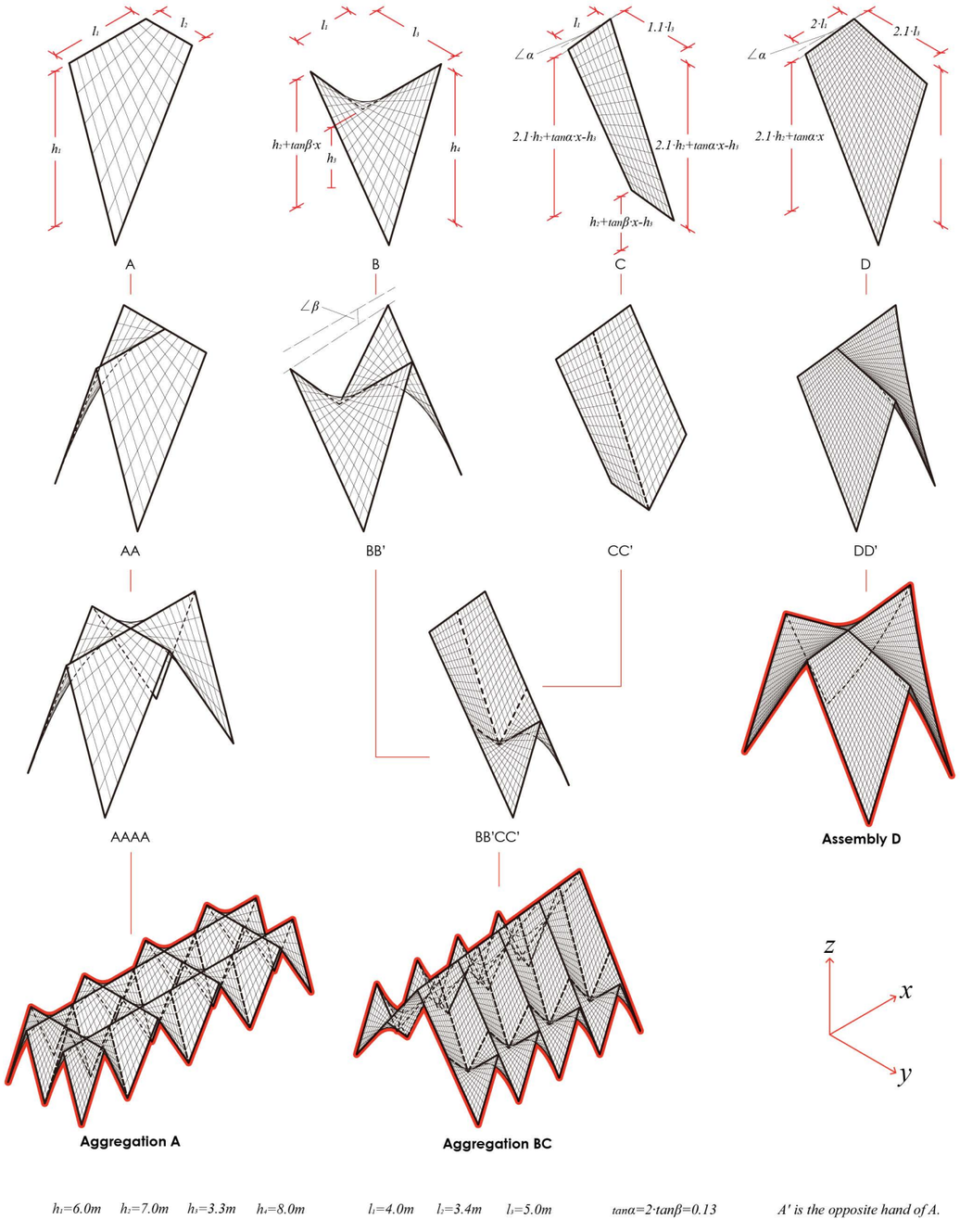
UCLA 2026 - Studio 412
Individual & Group Work

Project Location: CDMX, Mexico

This project began with a structural analysis of Félix Candela's Church of Our Lady of the Miraculous Medal, focusing on the geometric and structural logic of hyperbolic paraboloid (hypar) concrete shells. Through drawings and models, we studied how thin-shell surfaces resolve forces of tension and compression, span efficiently, and aggregate to produce both structure and space.

We translated our findings into a generative system. We abstracted the hypar into a set of rules: controlling curvature, orientation, and points of contact, to test how individual shells could combine, detach, and adapt across iterations.

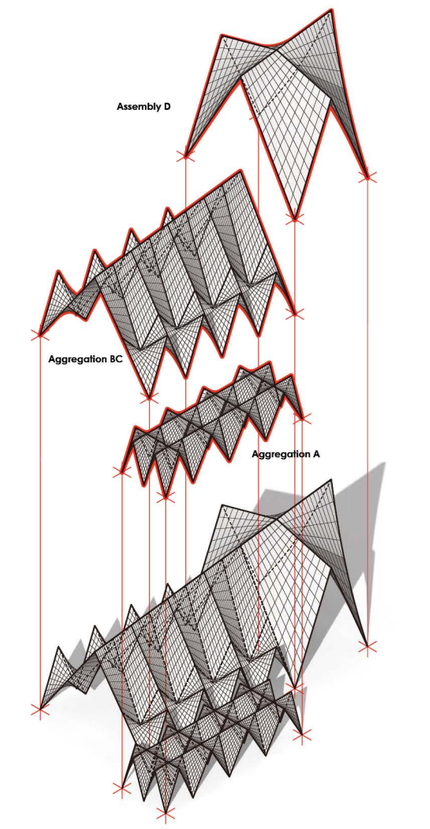
The exercise became a bridge between analysis and design, using precedent not as a model to replicate, but as a framework for producing new spatial and structural possibilities

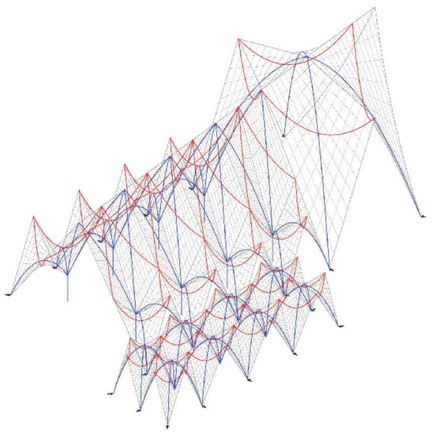


HYPBAR STUDIES

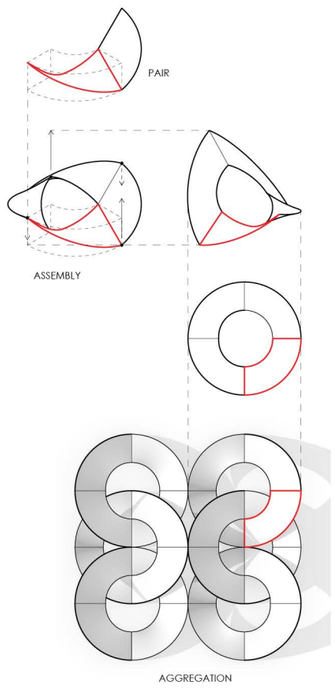


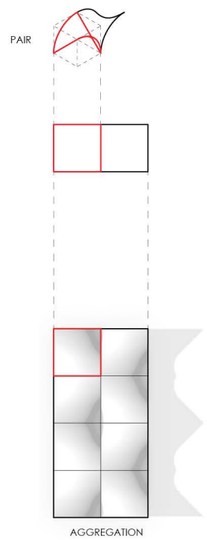
PHYSICAL CHUNK MODEL

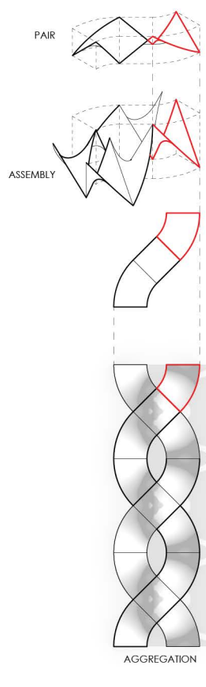


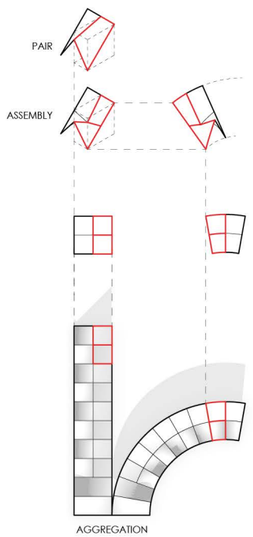


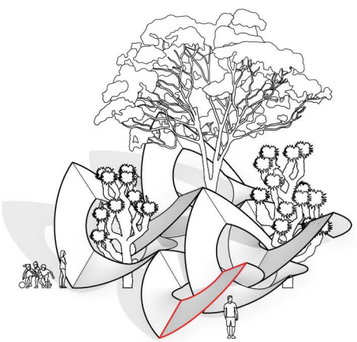
STRUCTURAL ANALYSIS DIAGRAMS



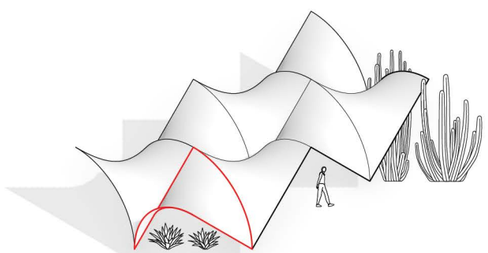




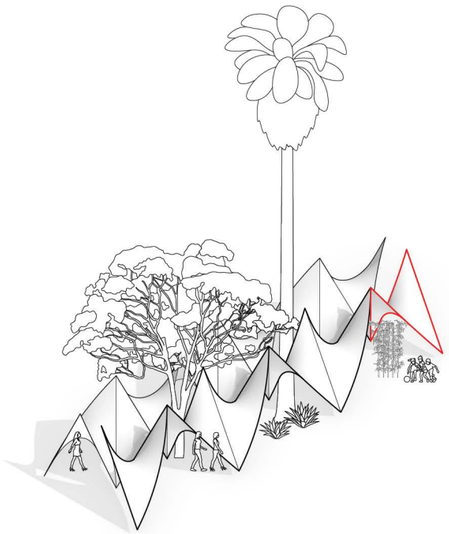




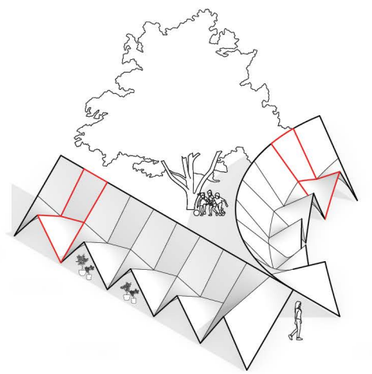
ITERATION 1



ITERATION 2



ITERATION 3



ITERATION 4

0.4 CHILDREN'S CENTER
Corral Canyon



UCLA 2026 - STUDIO 411
Individual Work

Project Location: Corral Canyon, Santa Monica Mountains

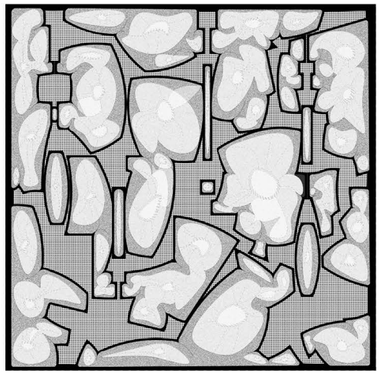
Sited atop Corral Canyon, this project explores the relationship between environment, children, and adults through a constructed landscape of inhabitable landforms. The form is developed through a "handcrafted" parametric logic, generating a series of berms that hold orthogonal chambers within their mass.

The roofscape becomes a playscape, where children traverse a network of paths across the dunes and descend into cave-like interiors to wander and explore. In contrast, adults move through a sequence of orthogonal, processional spaces carved within the dunes, emphasizing direction, order, and framed occupation.

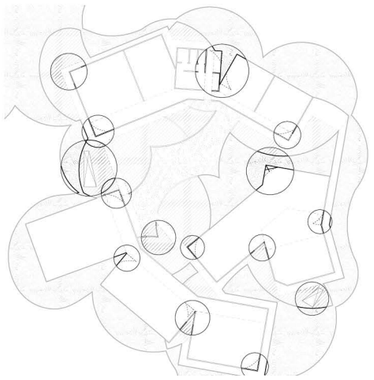
The project operates as an inverted vivarium where human activity is both immersed within and observable across the landscape. Relationships of visibility and surveillance are carefully staged, allowing moments of overlap between children and adults while maintaining distinct spatial logics. Through this system, the architecture mediates between play and procession, organic form and geometric order, landscape and enclosure.



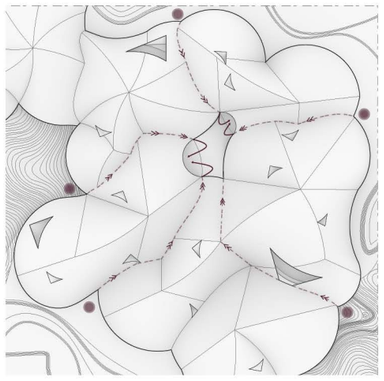
FORM- FINDING



SURVEILANCE



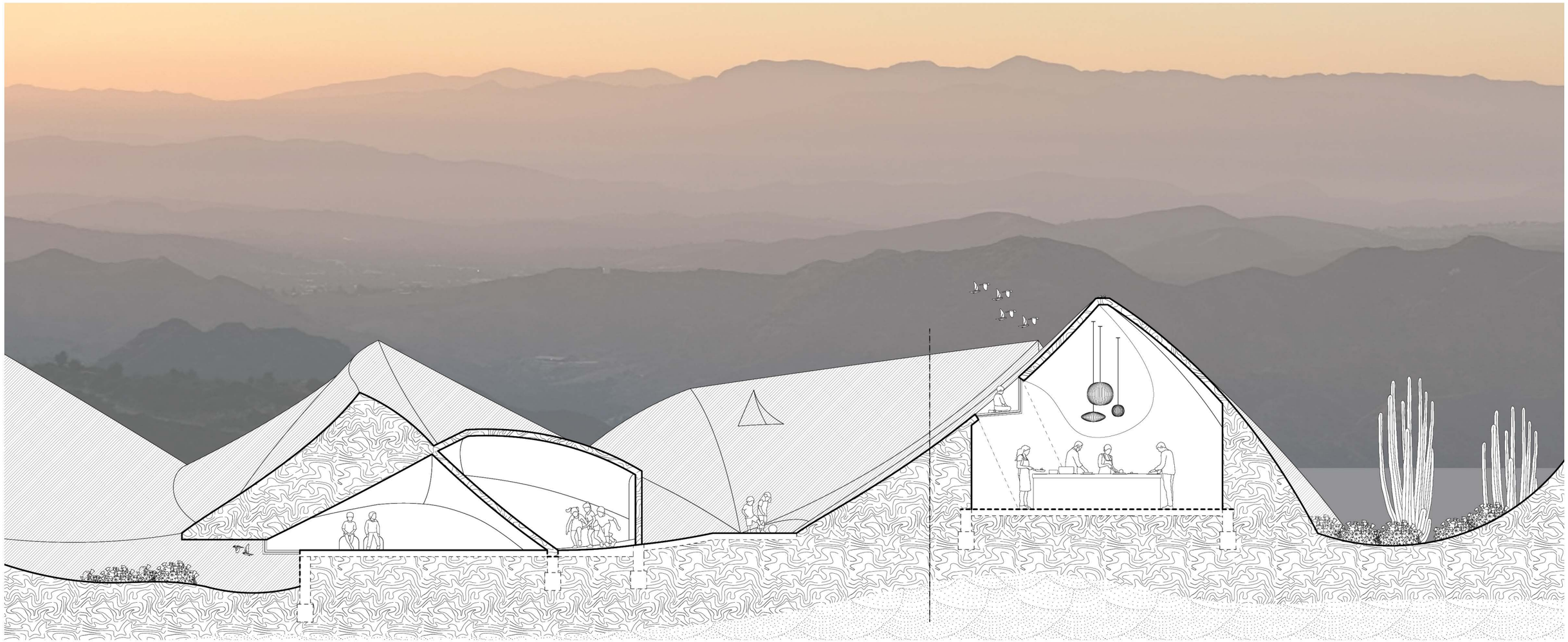
ROOFSCAPE



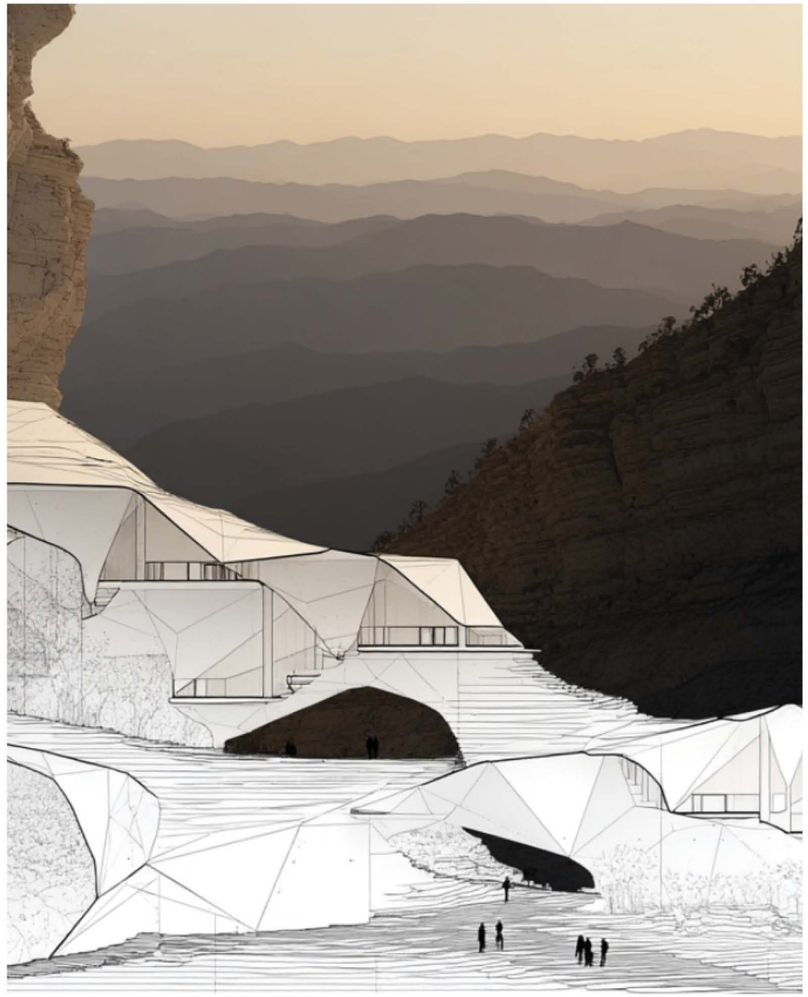
DIAGRAMS



GROUND PLAN



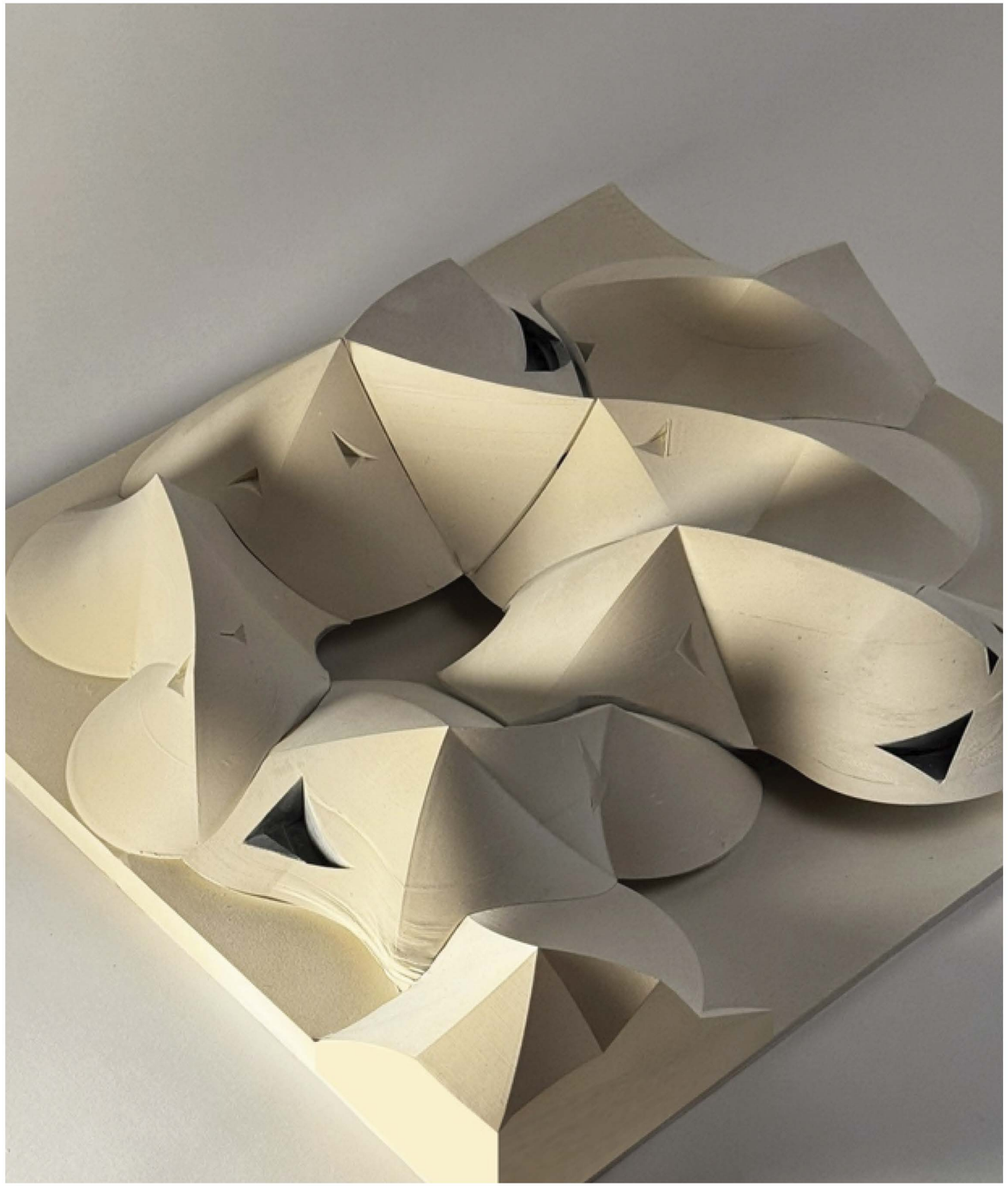
LONG SECTION



AI-BASED VISUALIZATION

Translation of my physical model into speculative architectural imagery through AI-based visualization. Using my handcrafted model as the primary input, I developed a series of images that reinterpret its geometry, materiality, and spatial atmosphere.

The process amplifies qualities already embedded in the model: light, texture, and form, while introducing new readings of scale, context, and inhabitation.



PHYSICAL MODEL

thank you.

