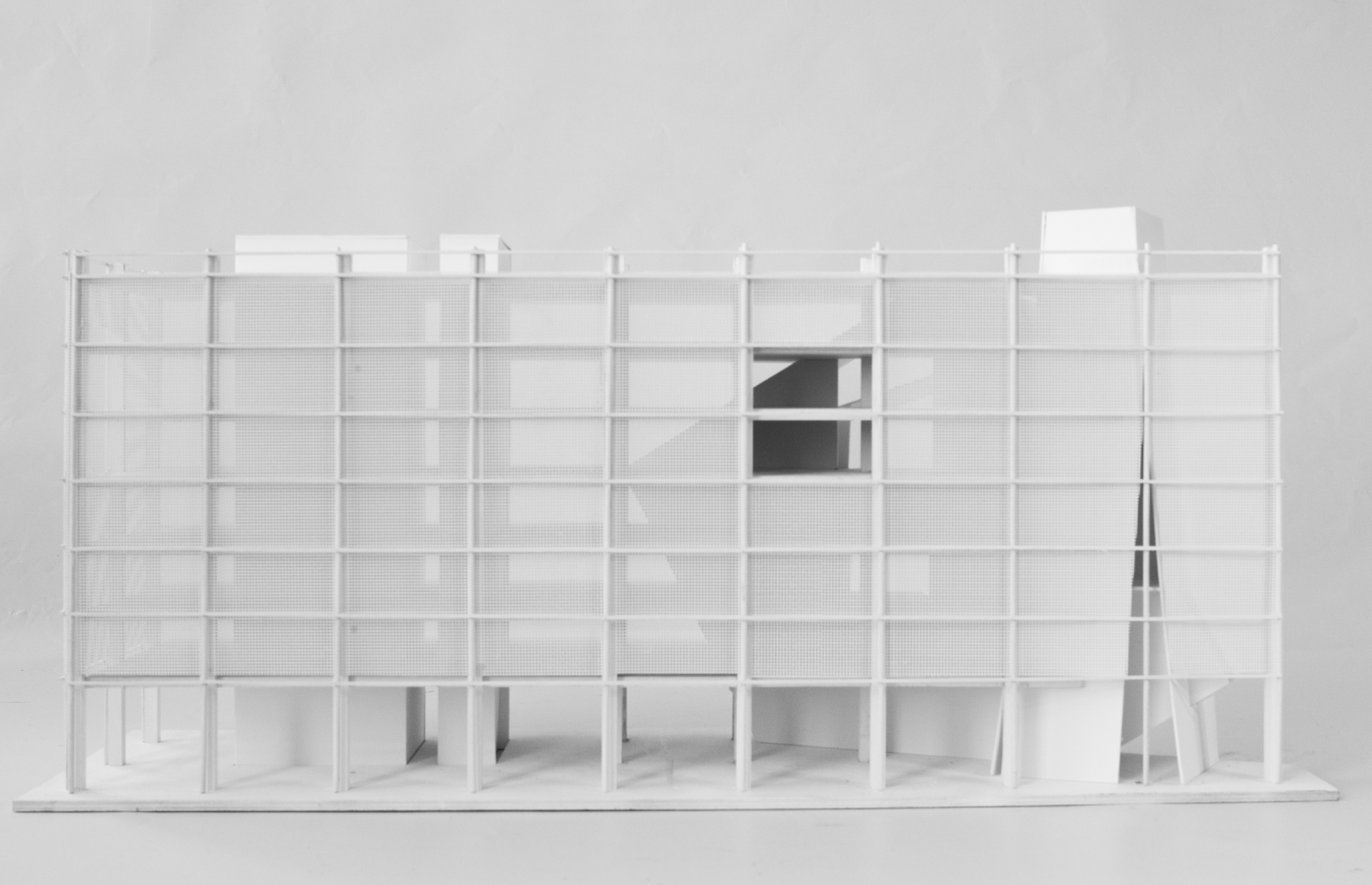


Jake Schlabs	Auditorium	Pavilion	House	Civic Center	City, Lake, Ranch
Berkeley MArch 2027	Berkeley Spring 2025	Berkeley Spring 2025	Berkeley Fall 2024	Boulder Spring 2023	Buchanan Architecture August 2023 - July 2024
	2 - 7	8 - 9	10 - 13	14 - 15	16 - 21

Projects



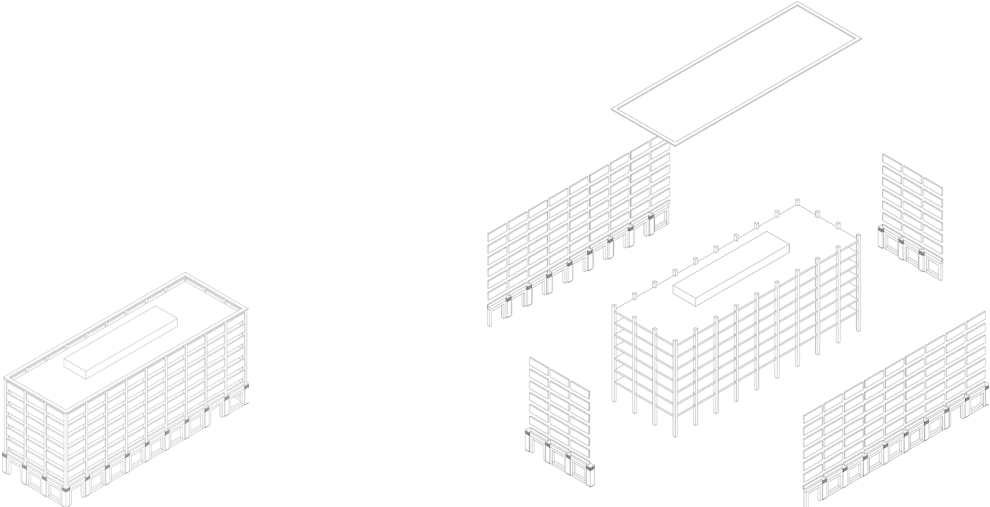
Final model. 2

Auditorium Hollow Shell

Type	Instructor	Berkeley
Adaptive Reuse	Morgane Copp	Spring 2023

I. Shell

The structure and form of the existing building are treated as a singular, hollow shell that assumes responsibility for the many architectural considerations of contemporary construction (e.g. setbacks, envelope stipulations, seismic compliance, allowing for standardized construction techniques, etc.).

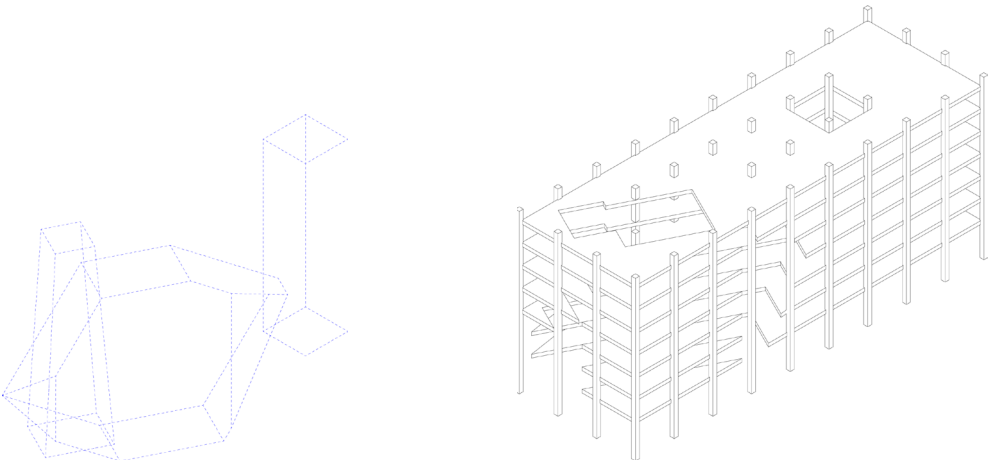


Existing building.

Removal of outdated facade.

II. Void

The existing floor slabs are cut to allow for the insertion of an atypical auditorium and circulation core extending through all seven floors.

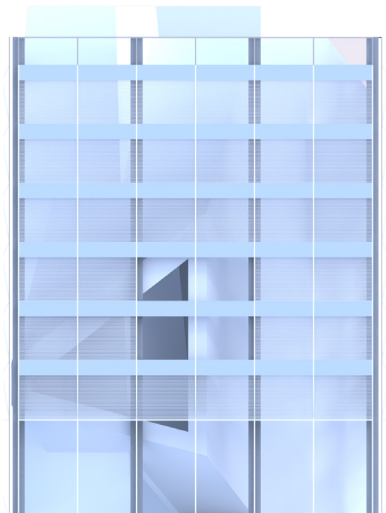


Interior addition of auditorium and cores.

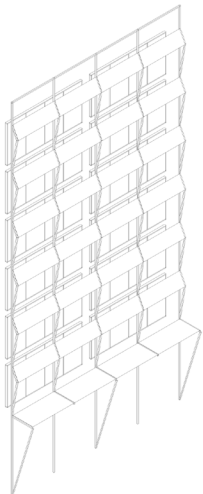
Floor slab cuts.

III. Facade

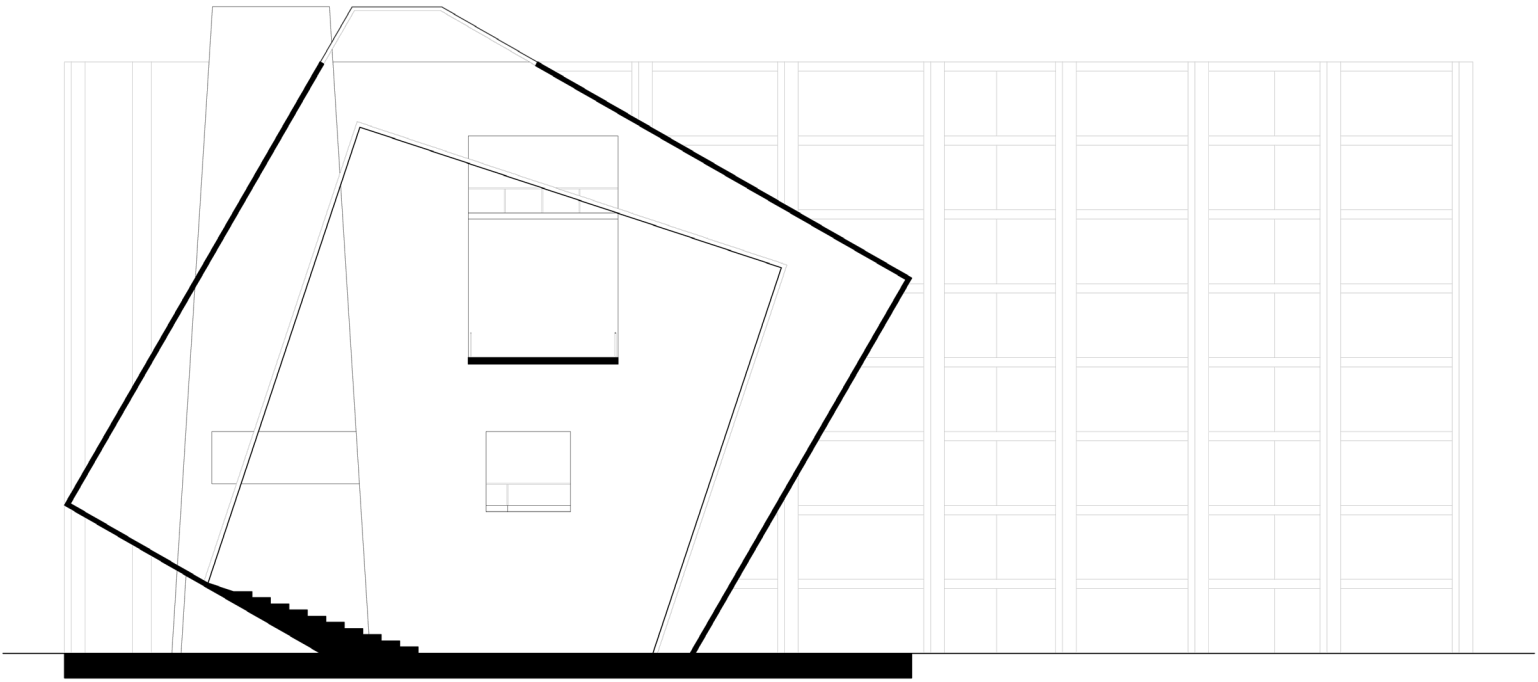
The existing facade is replaced with floor-to-ceiling glazing to allow for increased natural lighting. Solar heat gain is mitigated through the external addition of louvres and perforated aluminum screens.



Facade rendering.



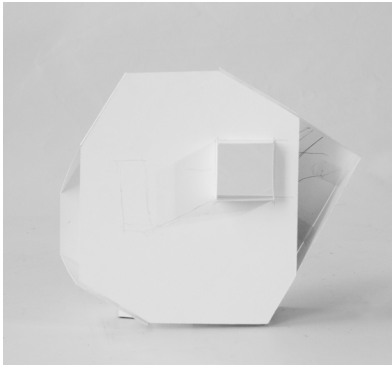
Facade system.



Section.

IV. Auditorium

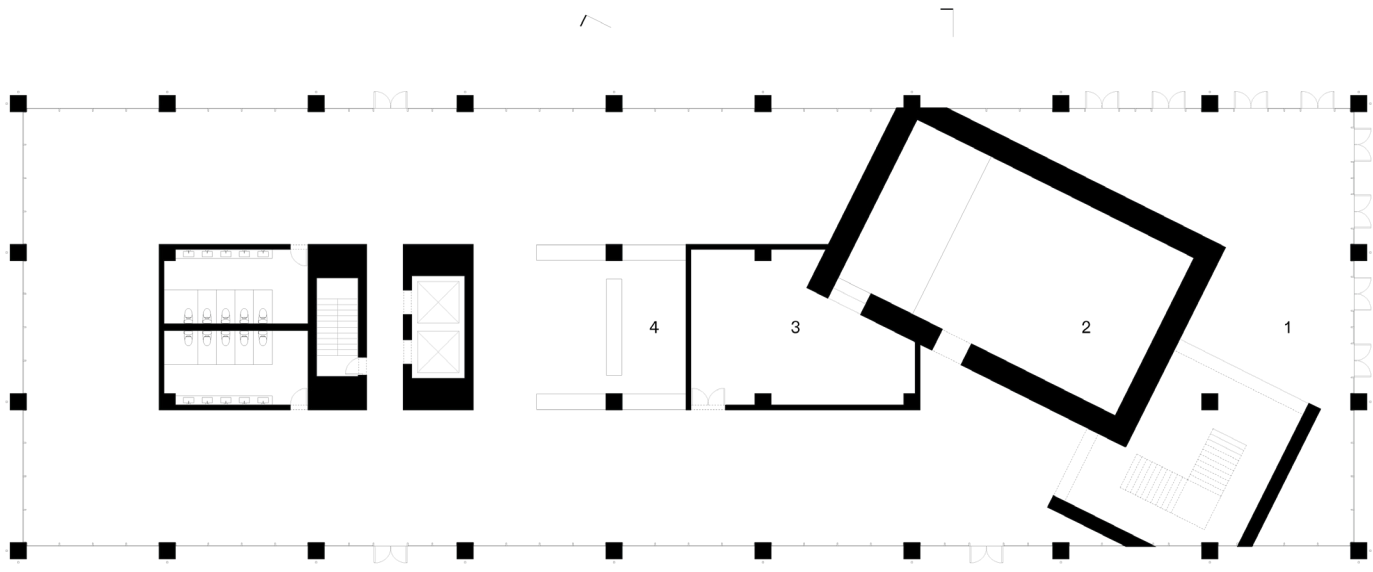
Through the use of suspended acoustic panels typical of theater design, the atypical form of the auditorium can be constructed within the void of the existing building.



Auditorium study model.



Interior catwalk rendering.



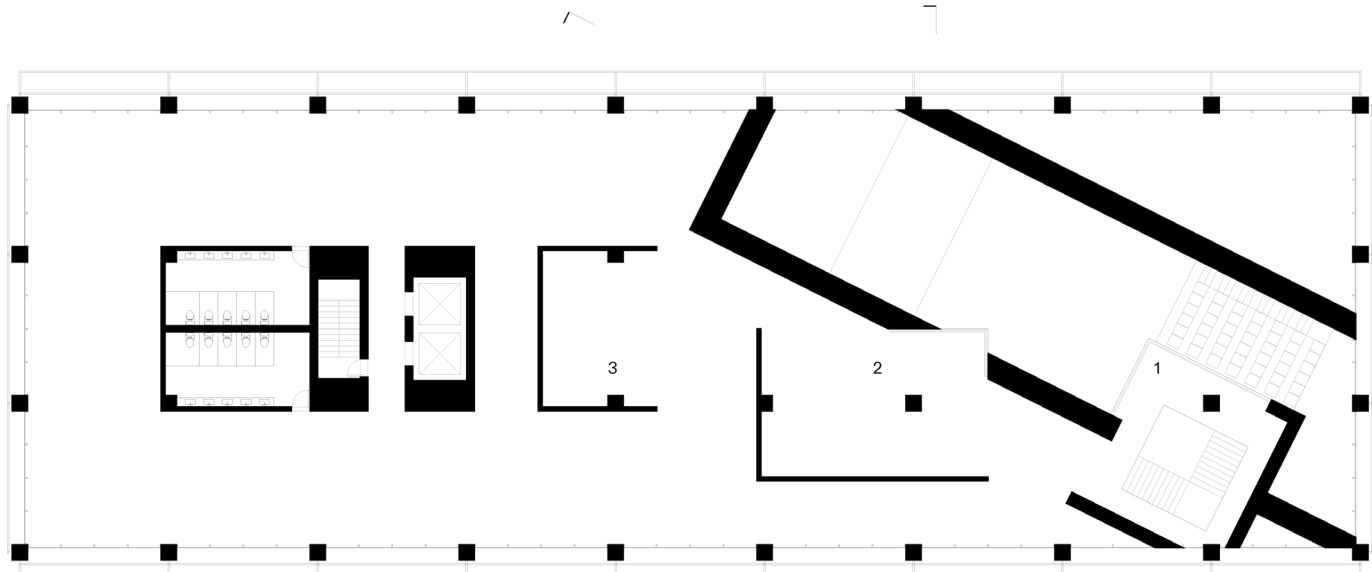
Level one floor plan.

1. Atrium

2. Auditorium

3. Greenroom

4. Cafe

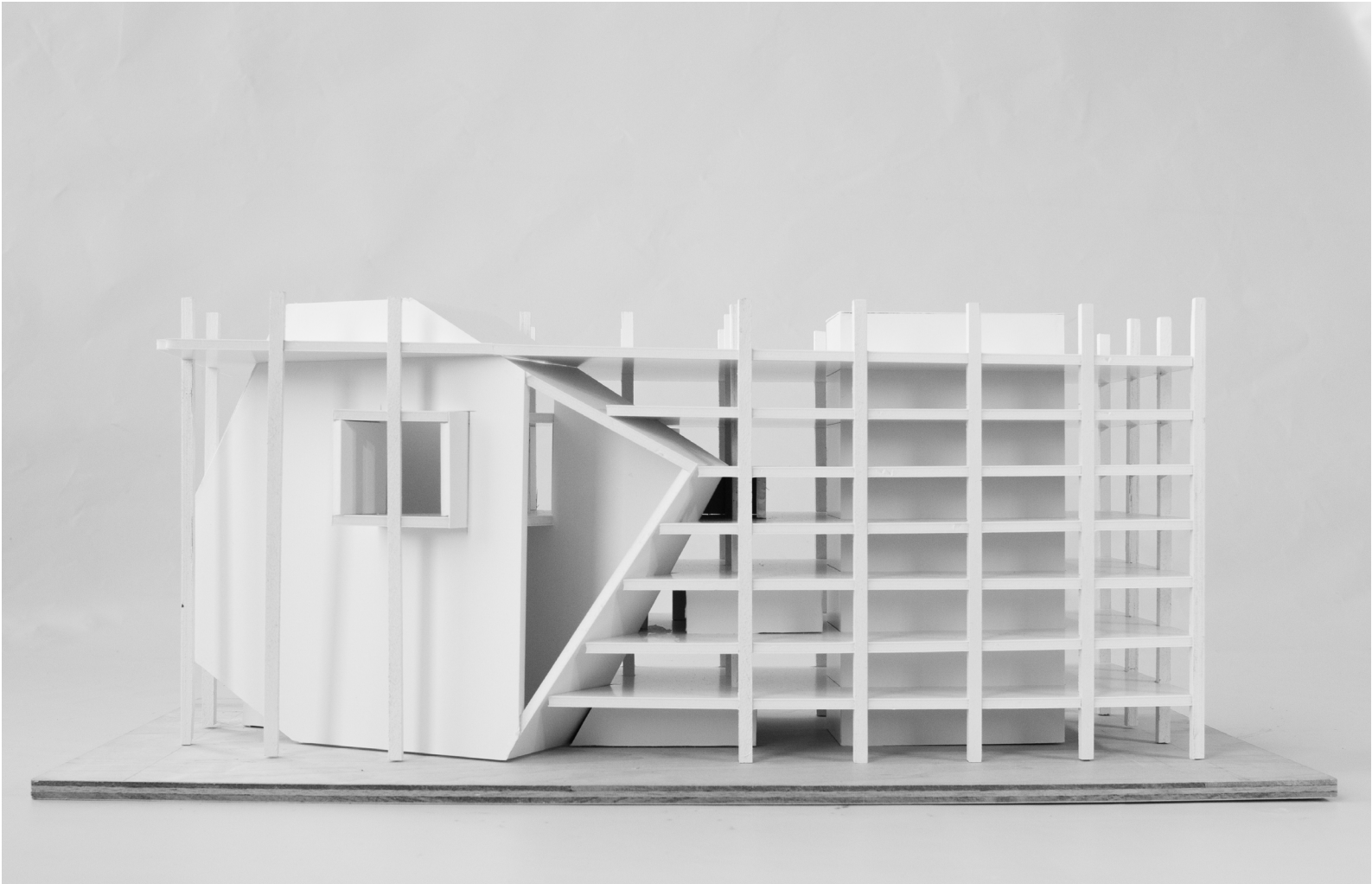


Level three floor plan.

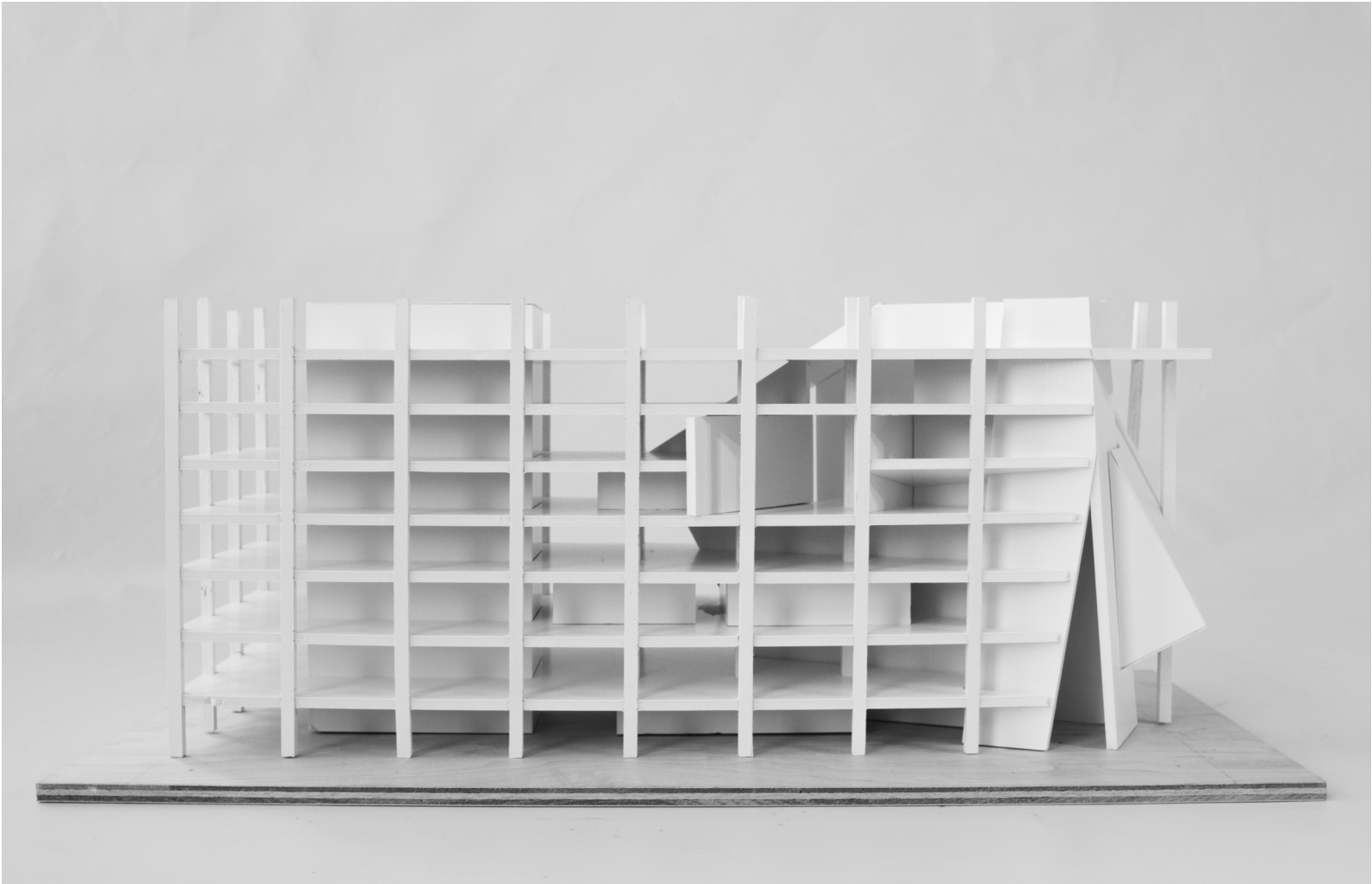
1. Mezzanine

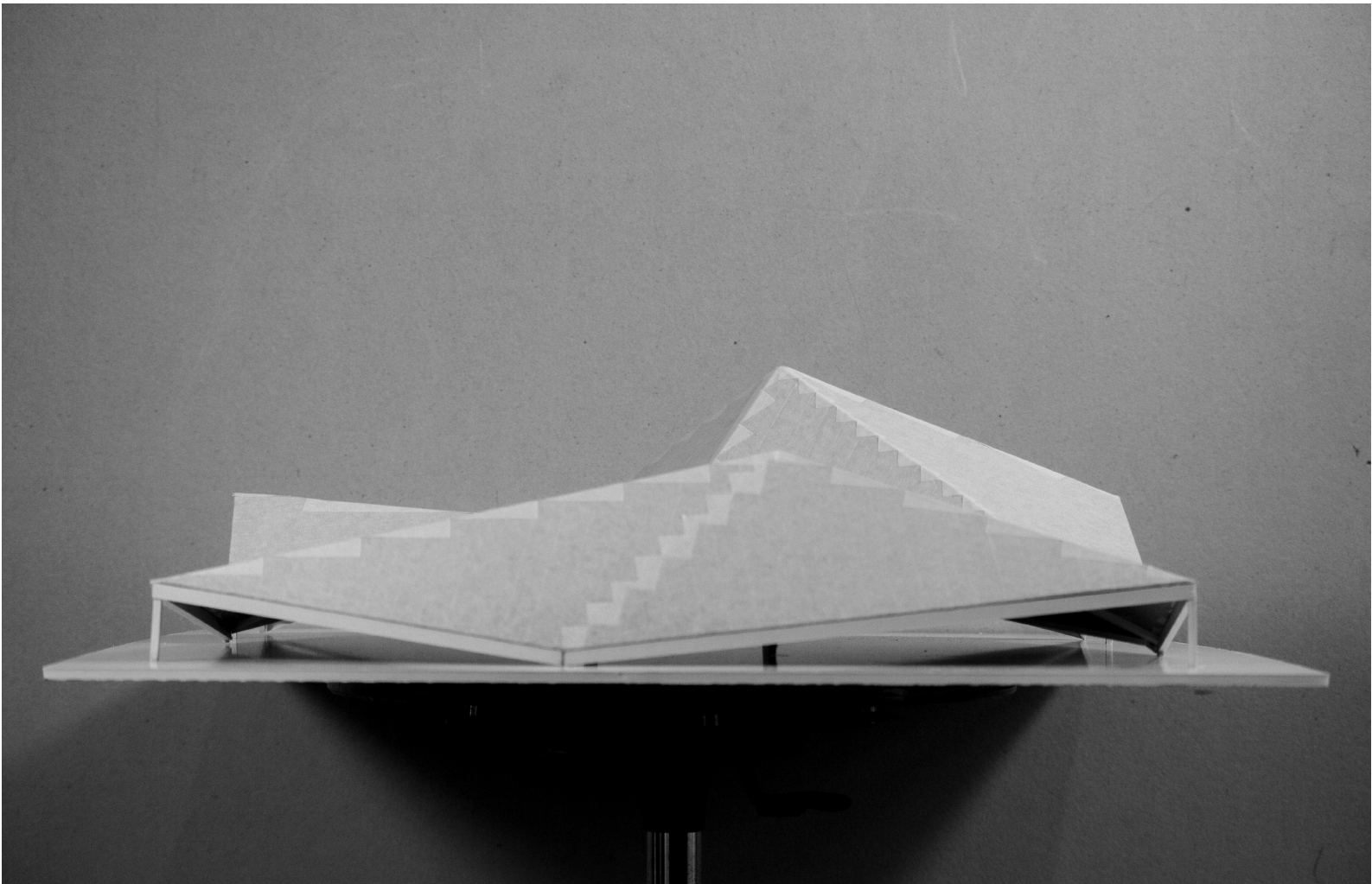
2. Gallery

3. Gallery



Massing model.

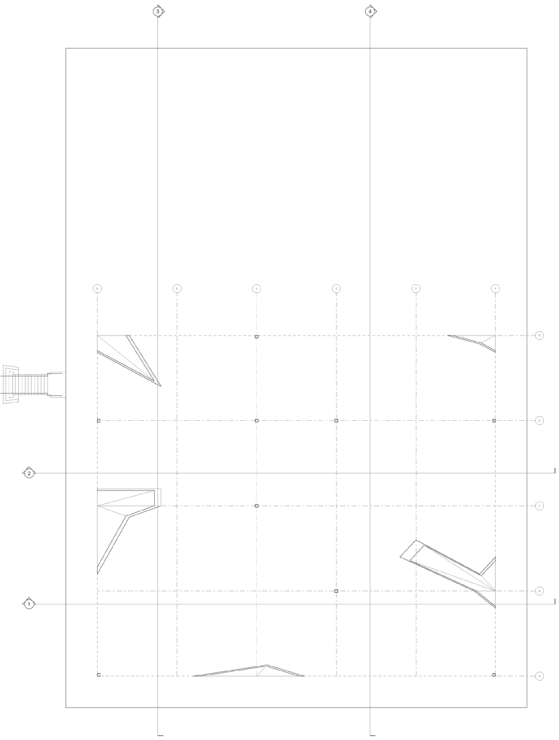




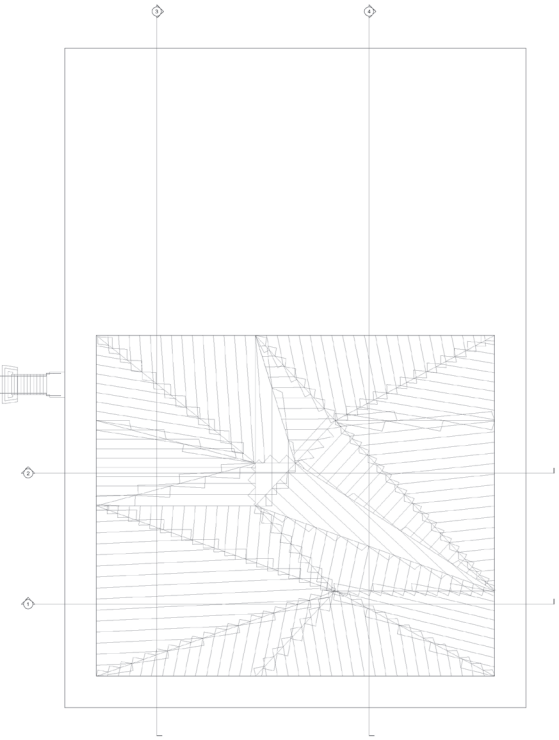
Pavilion

Domesticated Mountain

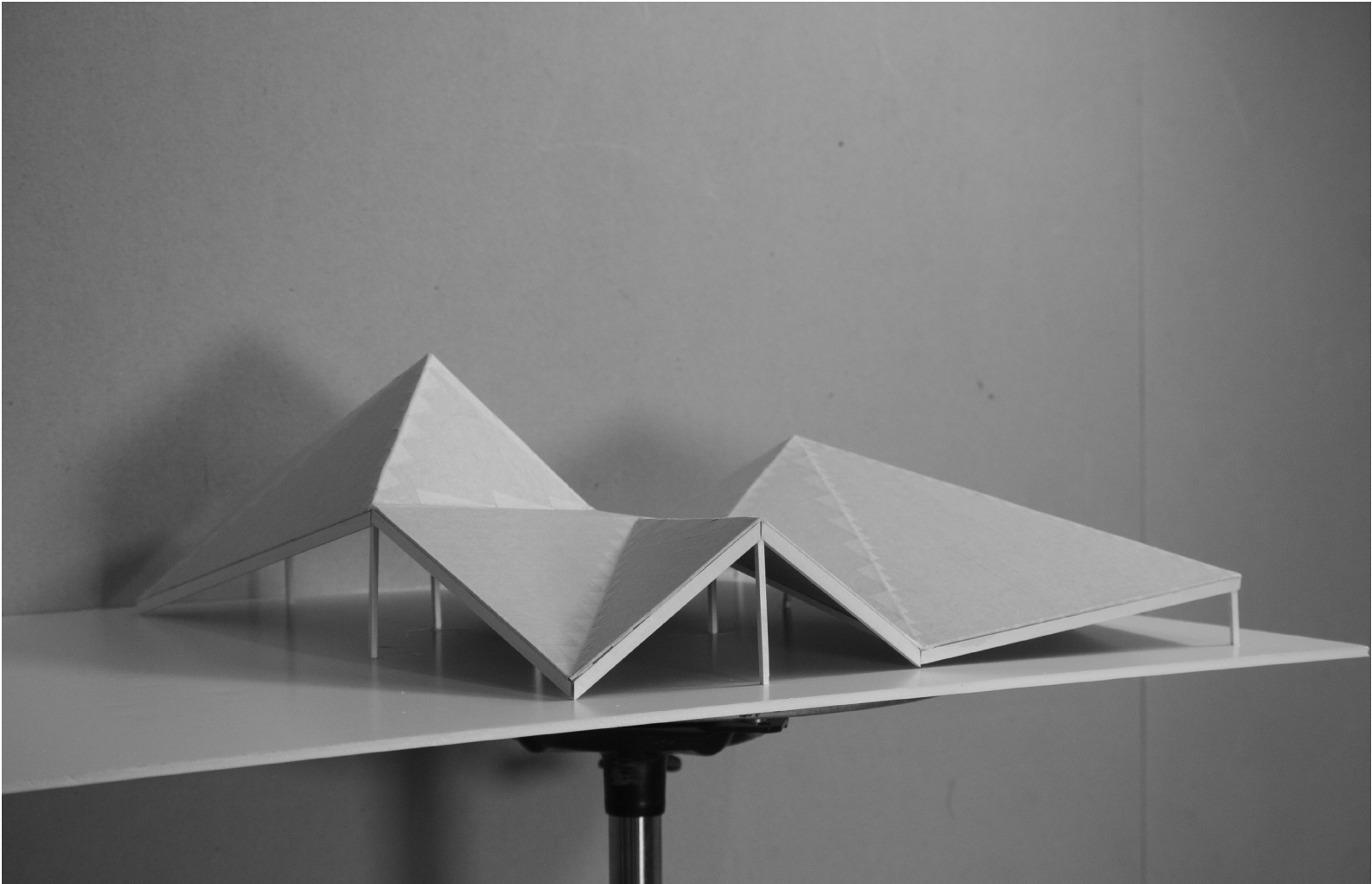
Type	Partner	Instructor	Berkeley
Pavilion	Maggie Sexton-Dwyer	Andrew Atwood	Spring 2025



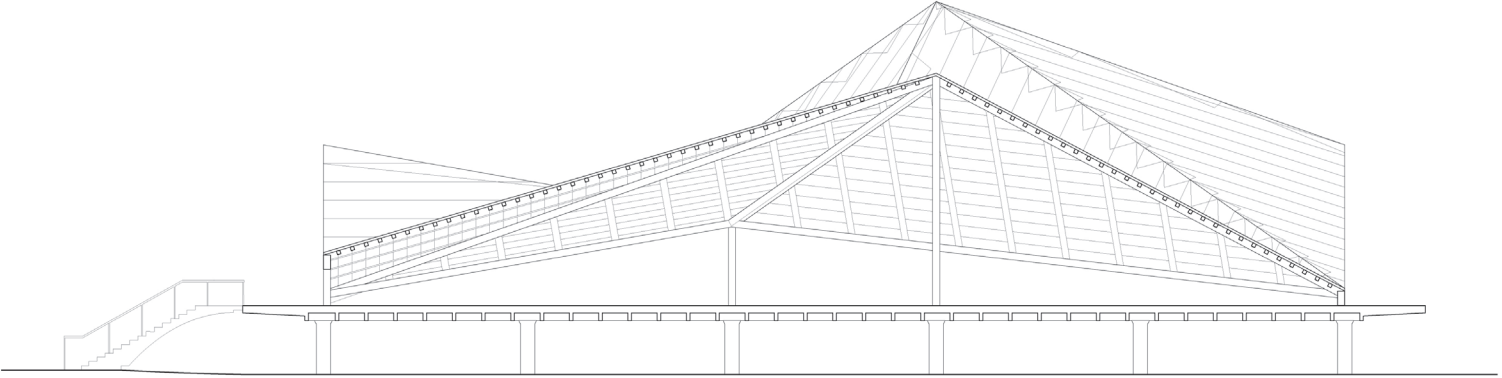
Floor plan.



Roof plan.



Final model.



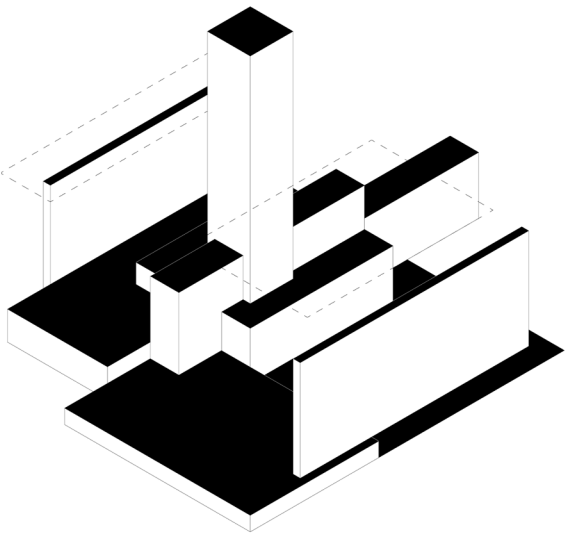
Section one.

House

Room as Object

I. Hearth

The concept of the hearth is expanded beyond its practical applications in heating and cooking. In an attempt to embrace the symbolic qualities of the hearth, the hearth's form is expanded upon to create an object that facilitates multiple programs and various types of interaction with its users.



Hearth axonometric.



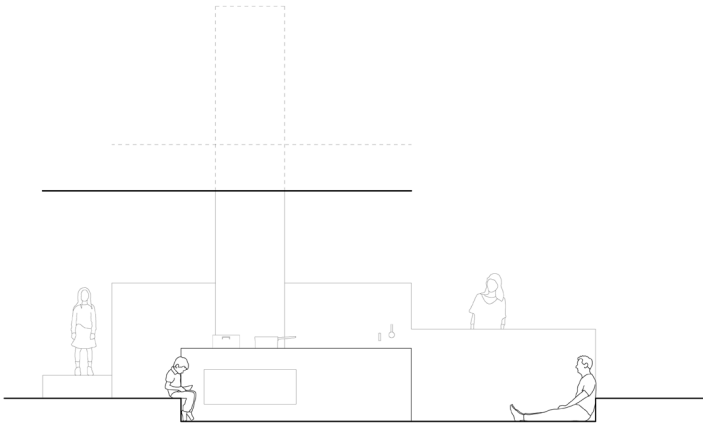
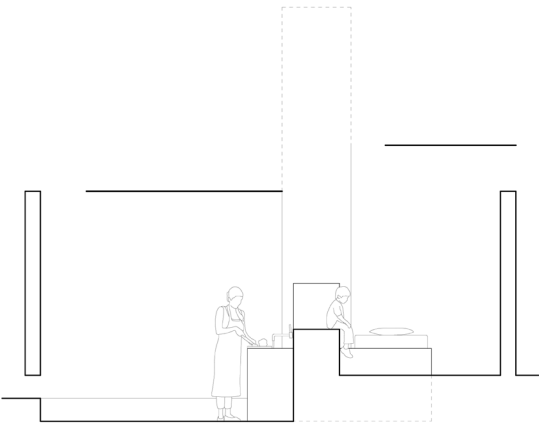
Russian Stove, 1927.



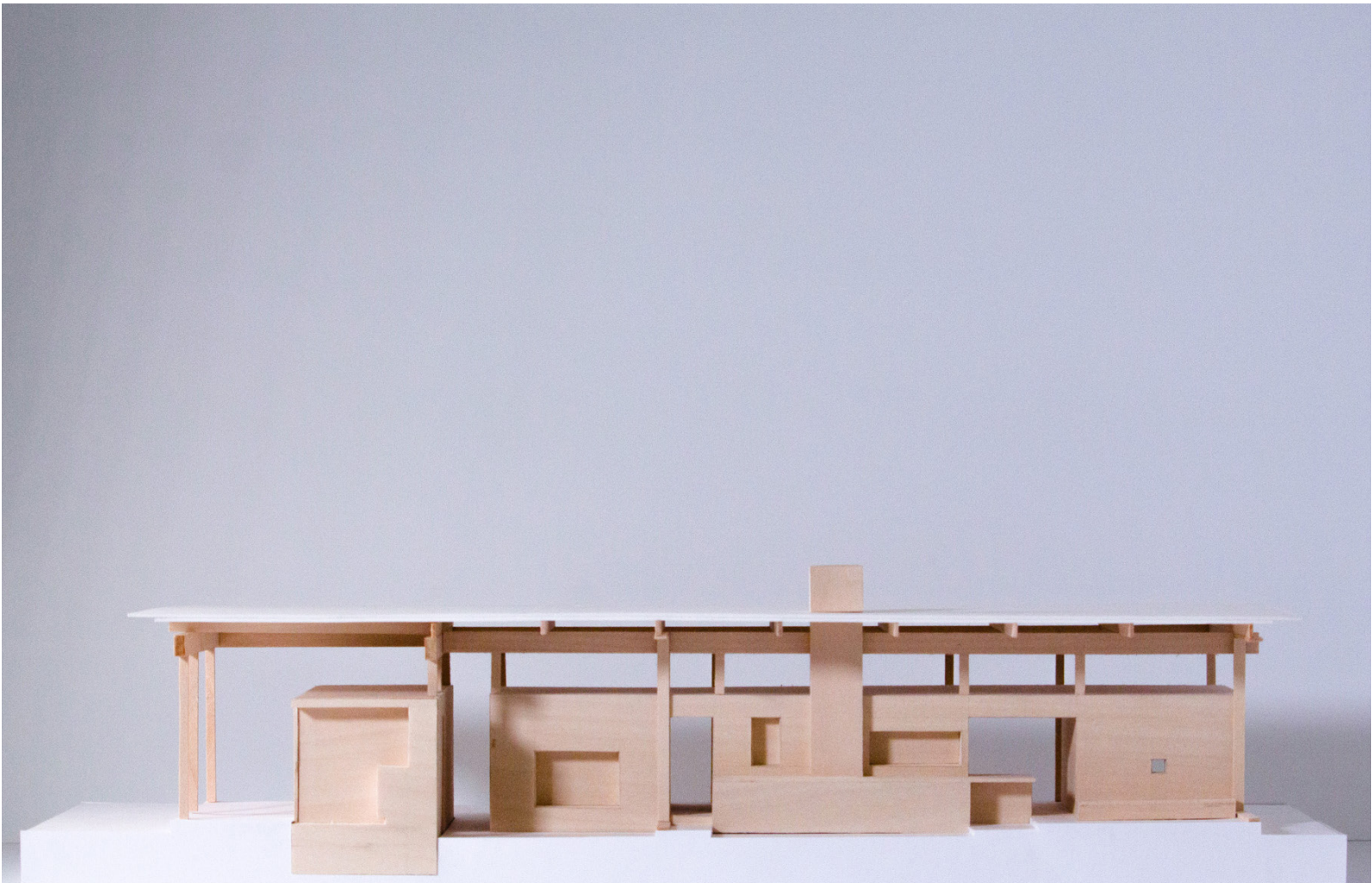
Bulthaup Workbench, 1988.

II. Room

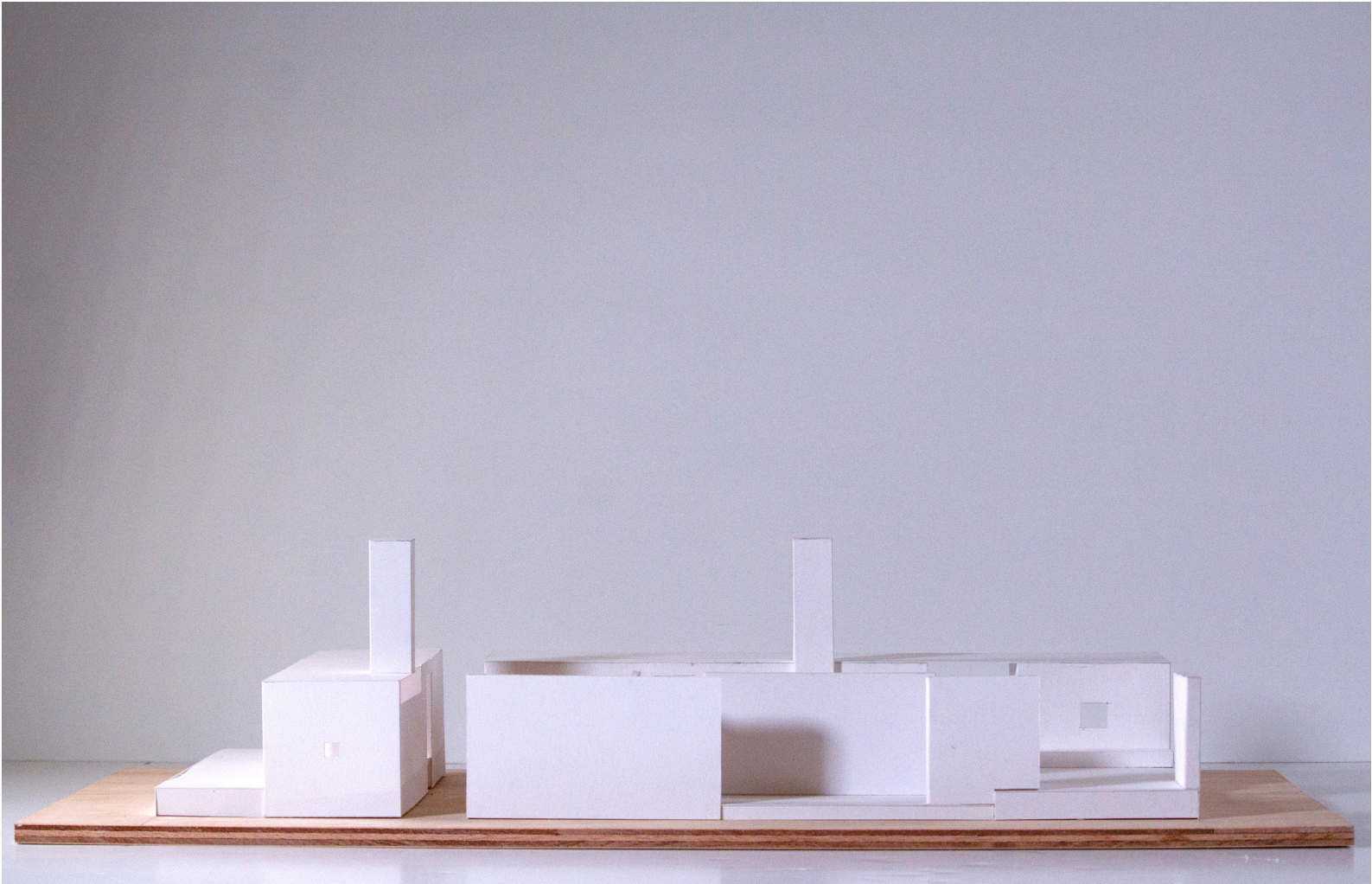
The relationship between two programs within one room are reconciled by the introduction of an organizing object. As opposed to the traditional tendency to divide functions and create a relationship of container (room) versus contained (function), the spatial and functional needs of rest and cook are negotiated by the shared 'hearth'. The vague delineation of space by an object allows for both interaction and separation.



Room sections.



Final model.



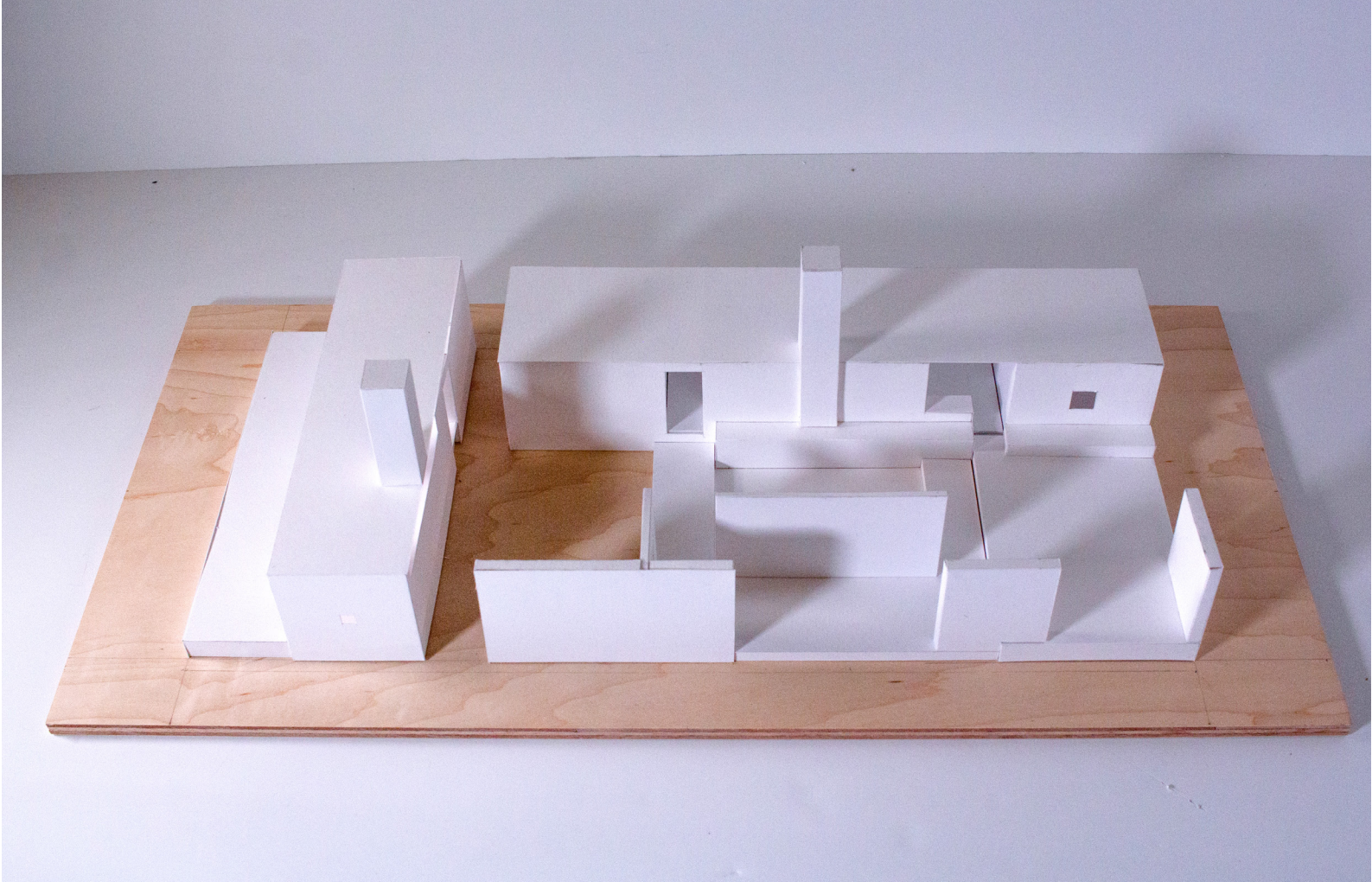
Massing model.

III. House

The central hearth of the house is expanded to become an “object” containing private spaces, such as bedrooms, a bathroom, and a laundry room. The exterior of the hearth faces the free-plan of the communal spaces, providing functional elements on its facade, such as kitchen appliances and built-in furniture.



Floor plan and sections composite drawing.

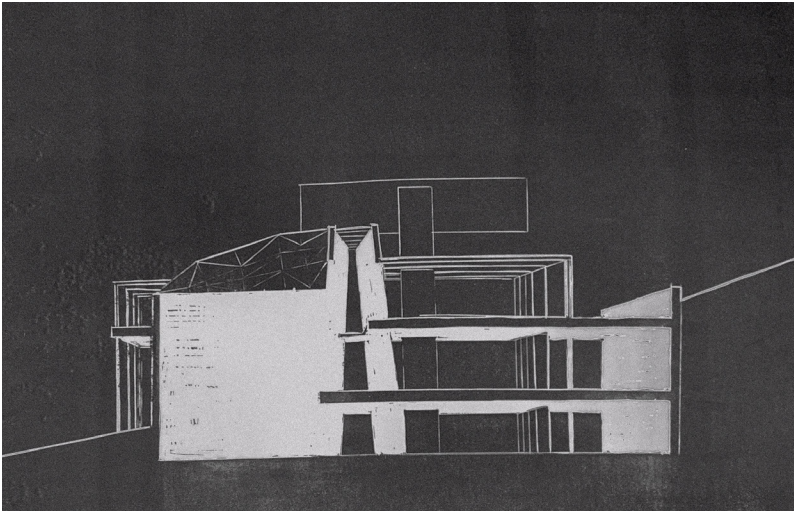


Civic Center

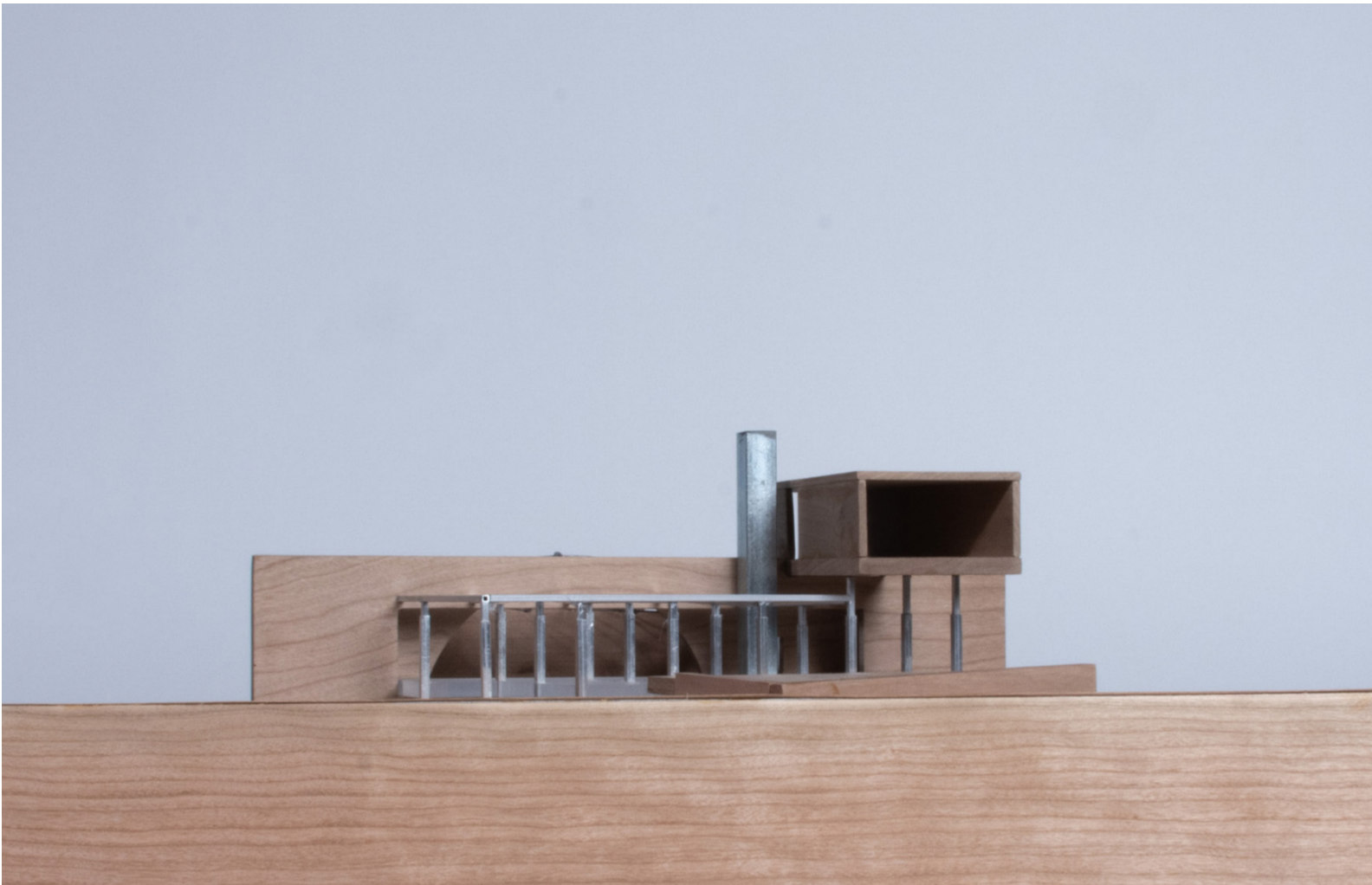
Landscape Mediator

Type	Instructor	Boulder
Institutional	Dr. Ping Xu	Spring 2023

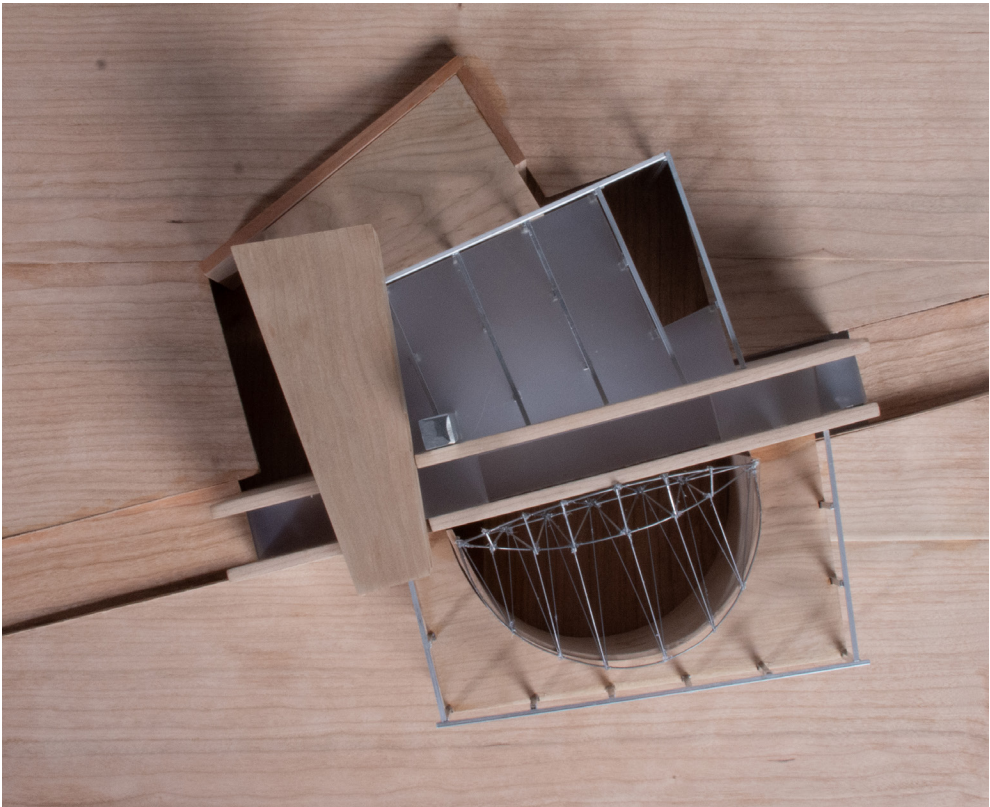
A central corridor at the intersection of the building’s two structural grids establishes an east-west axis, mirroring the orientation of the nearby Eldorado Canyon. Views towards the mountains, foothills, and sky are framed by the viewing platform, central corridor, and atrium, respectively.



Section perspective relief print.



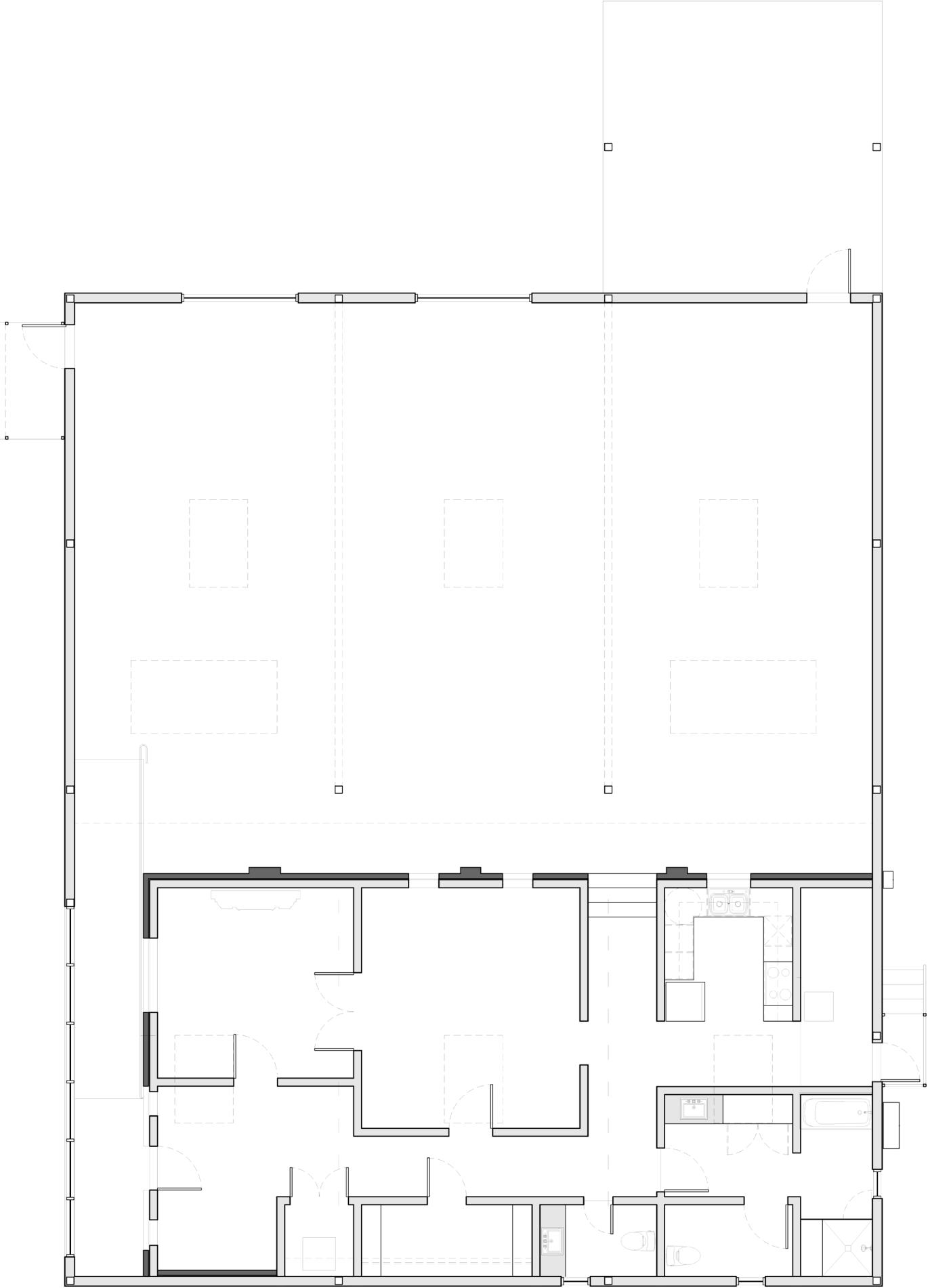
Final model.



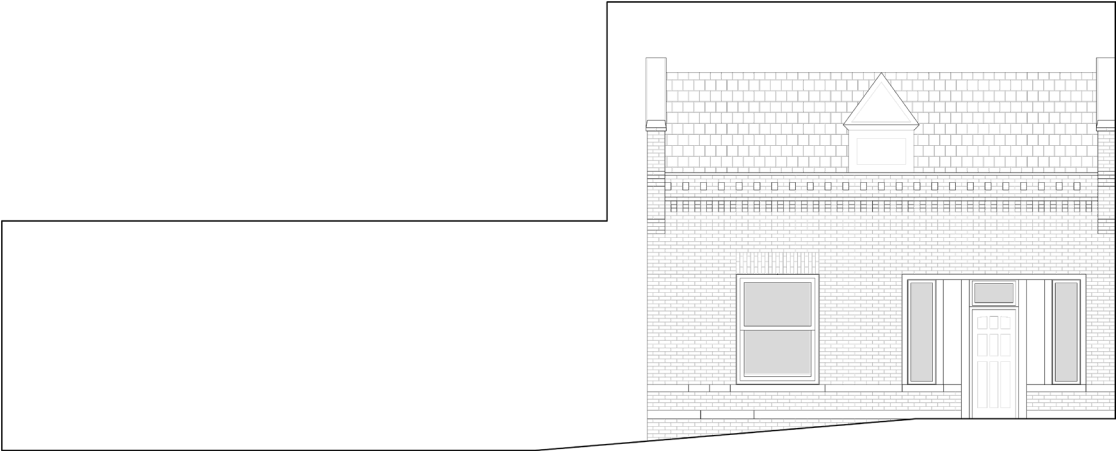
City Gallery

Type	Location	Status	Office
Historic Preservation + New Construction	Dallas, TX	Under Construction	Buchanan Architecture 2023 - 24

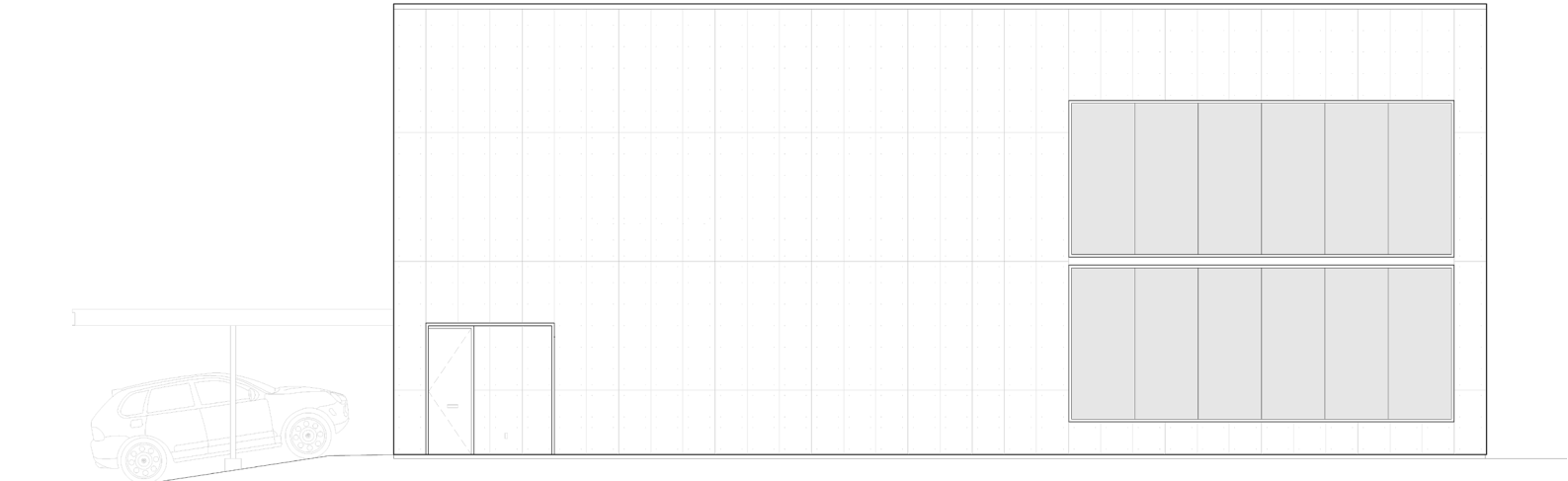
A legacy, triple-wythe brick house is preserved via reassembly within a newly built enclosure. The nesting of buildings allows for a gallery space that operates within the context of both historical and contemporary construction.



Level one floor plan.



Interior elevation.

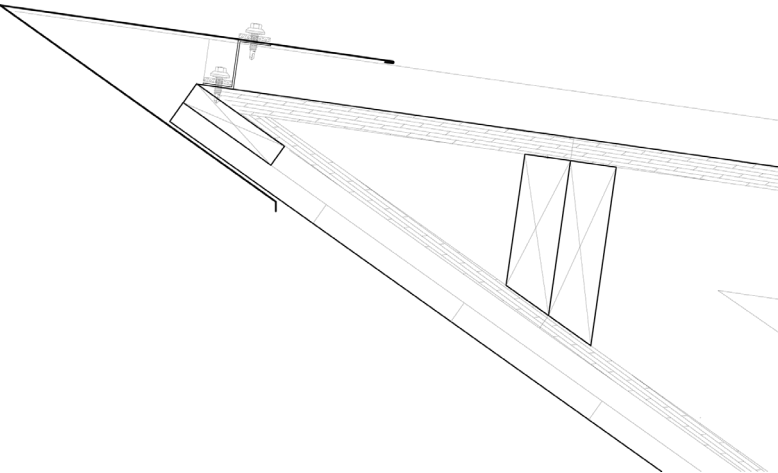


Exterior elevation.

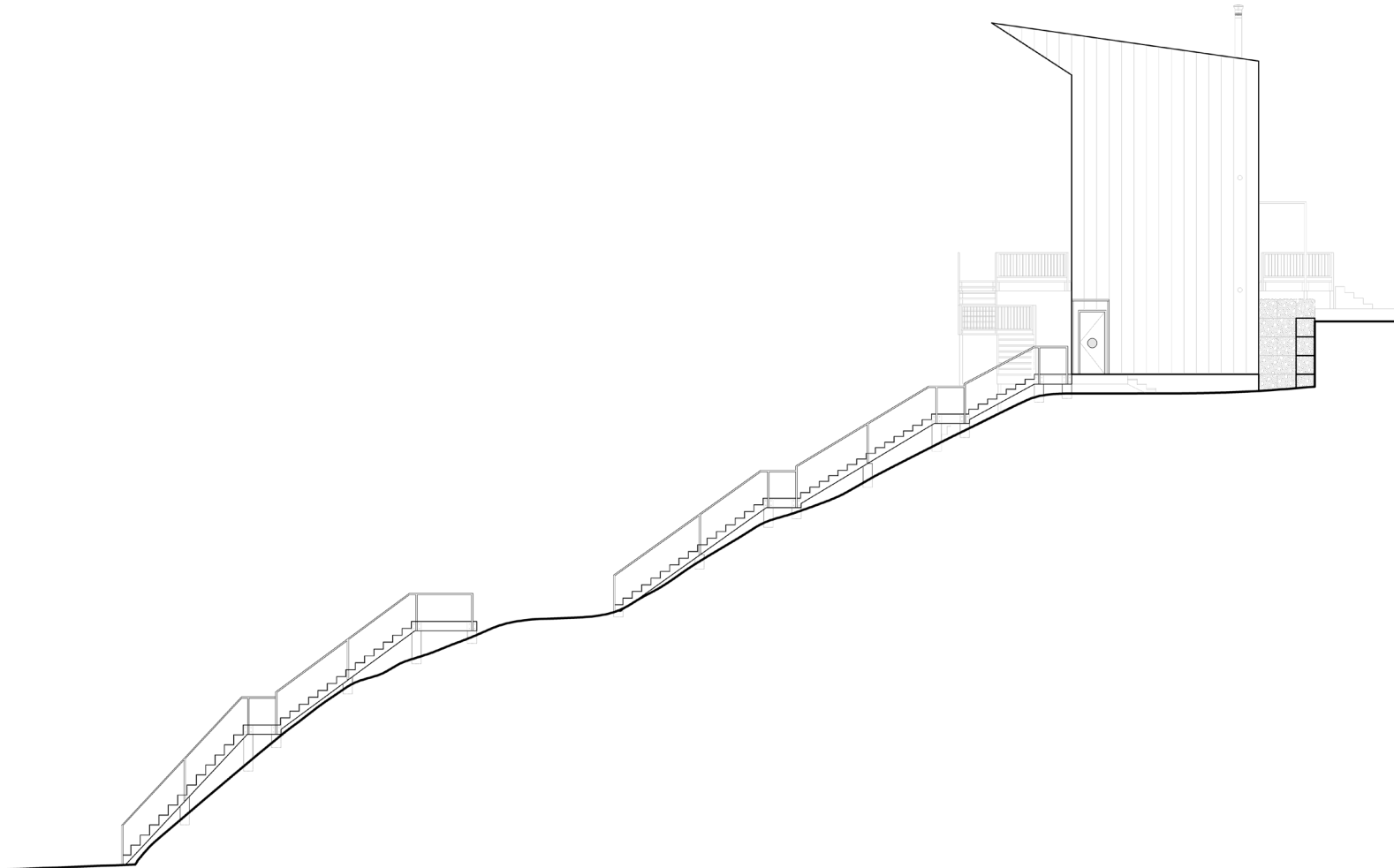
Lake Residence

Type	Location	Status	Office
New Construction	Grand Lake, OK	Under Construction	Buchanan Architecture 2023 - 24

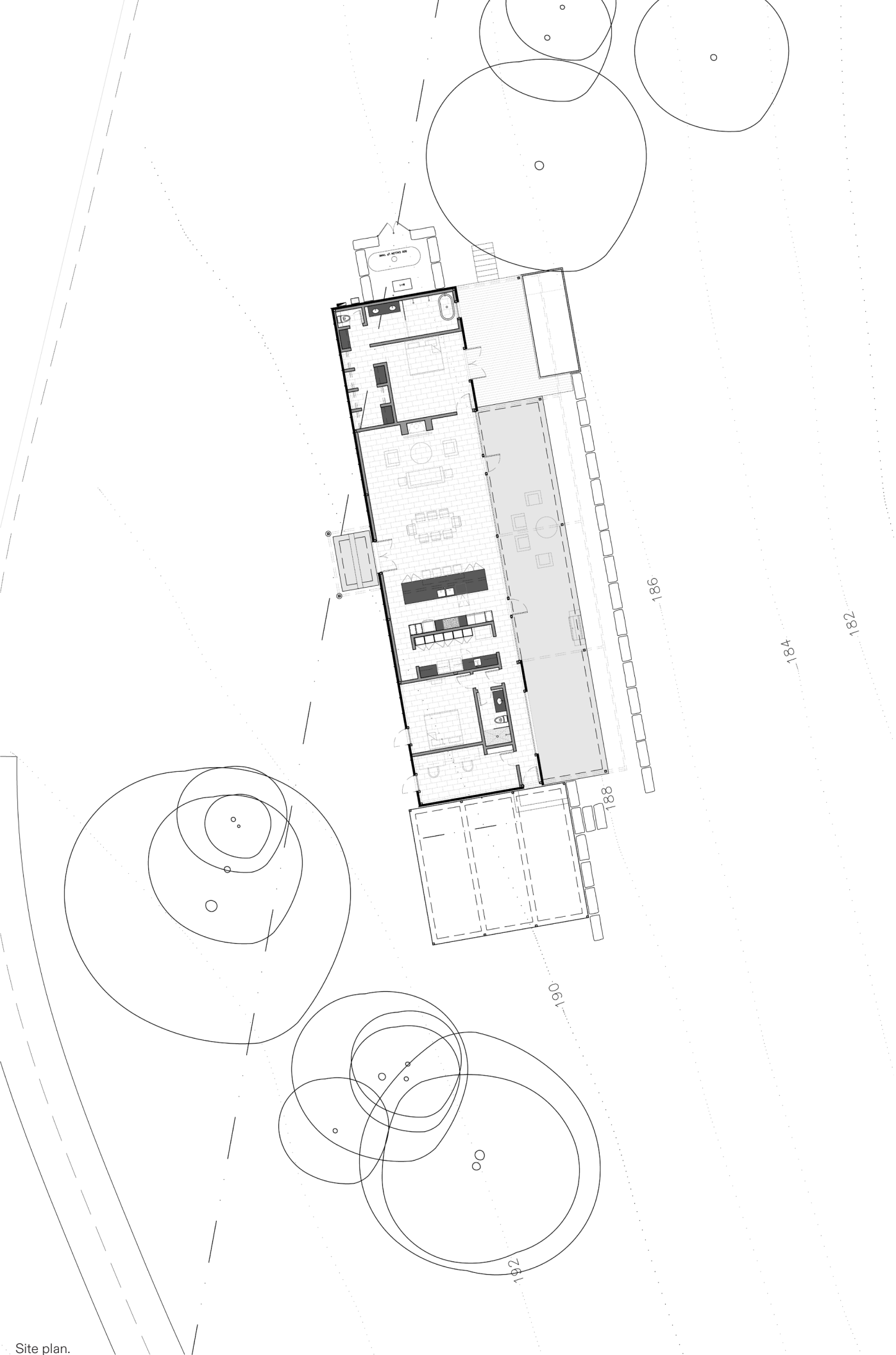
The steep slope of the site allows for a second floor entrance that opens up to a panoramic view of the lake.



Roof framing and flashing detail.



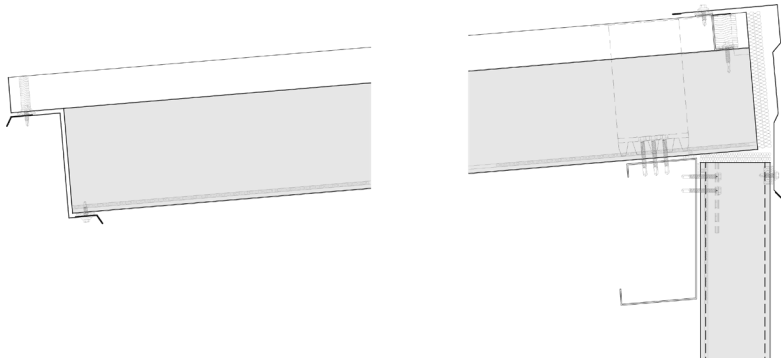
Site section.



Ranch Residence

Type	Location	Status	Office
New Construction	Fredericksburg, TX	Under Construction	Buchanan Architecture 2023 - 24

Ease of construction on a rural site is achieved through the use of steel-frame barn construction typical to the area. Structurally Insulated Panels, fastened to the steel frame, allow for an efficient construction schedule without compromising the R-Value of the wall assemblies.



SIP roof flashing and connection detail.

