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INTERNATIONAL EXPERIENCE AT INNO ARCHITEKTURA
DOMESTIC EXPERIENCE AT SAHAGUN SILES AND PARTNERS
M. ARCH FROM UNIVERSITY OF ILLINOIS AT CHICAGO
EXPERIENCED ACROSS FULL PROJECT CYCLE IN SCHEMATIC DESIGN,
DESIGN DEVELOPMENT, AND CONSTRUCTION DOCUMENTATION.

01

“BEYOND” AUTO REPAIR SHOP

ABIGAIL CHANG
BY INTERPRETING AND ANALYZING THE PREPOSITION “BEYOND”, AN AUTO REPAIR SHOP IS ABLE TO BE REDESIGNED.

02

HOUSE NEAR ZAKOPANE

INNO ARCHITEKTURA
REGIONAL HOUSE SET TO BREAK GROUND IN 2026. PLACED AND DESIGNED A HANDFUL OF MINUTES OUTSIDE OF POLANDS MOUNTAIN CAPITAL, ZAKOPANE.

03

BELOW GROUND

GRANT GIBSON
THREE INDIVIDUAL DWELLING UNITS ARE DUG BELOW THE EARTH TO CREATE A COLLECTIVE GARDEN SPACE, BELOW A STANDARD SIZED CHICAGO LOT.

04

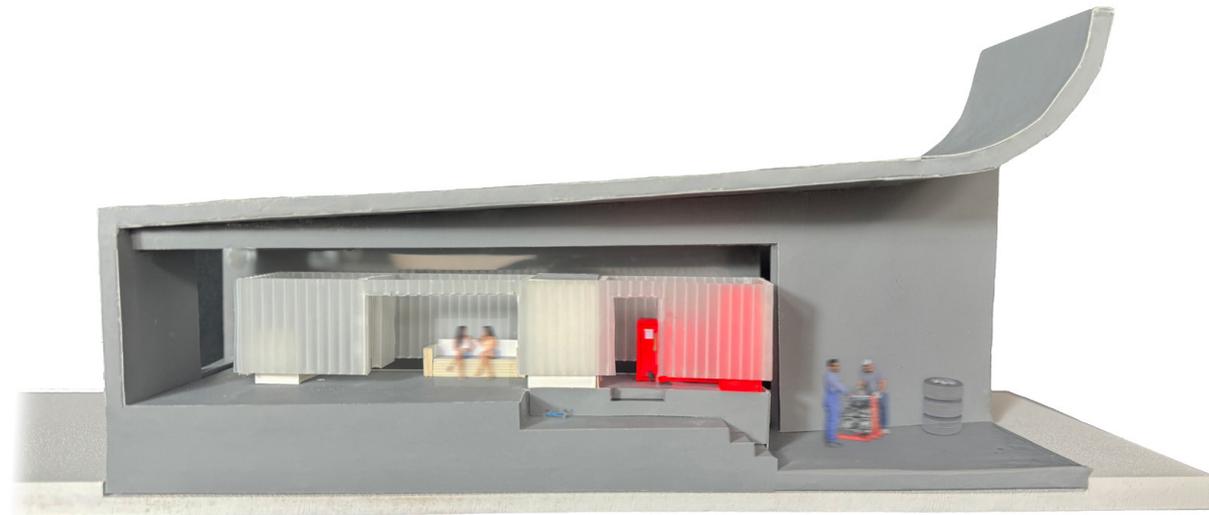
SKY-SCRAPER

BARBARA MATERIA
SKYSCRAPER CONFIGURATION IS REIMAGINED BY INTRODUCING “FLOOR-TRAYS” RATHER THAN REPETITIVE COMMERCIAL ARCHITECTURE.

05

ONE ROOM BUILDING

PAUL ANDERSEN
THE PROJECT BRIEF WAS SIMPLE: DESIGN A ONE-ROOM BUILDING OF ANY SCALE OR FUNCTION.

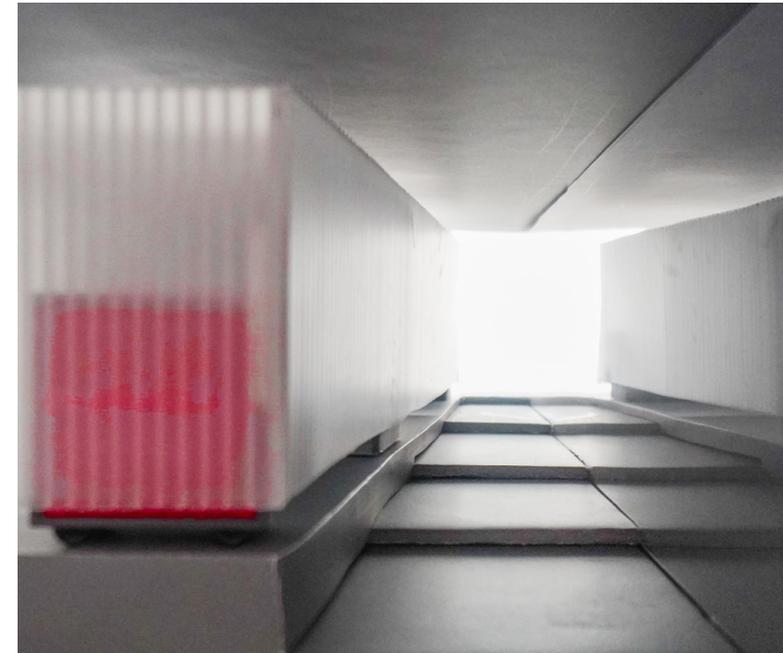


AutoRepairShop_ModelSection_”Beyond”

01 “BEYOND” AUTO REPAIR SHOP

“Beyond” is a conceptual project that demonstrates the importance of language, words, and interpretations throughout the design process.

“Beyond” describes a point in space in relation to another that is not directly accessible. The notion of “beyond” implies a place of greater importance, which may contain richer elements that are not easily attained. The building proposal for an auto repair shop examines the preposition “beyond” through 3 approaches.



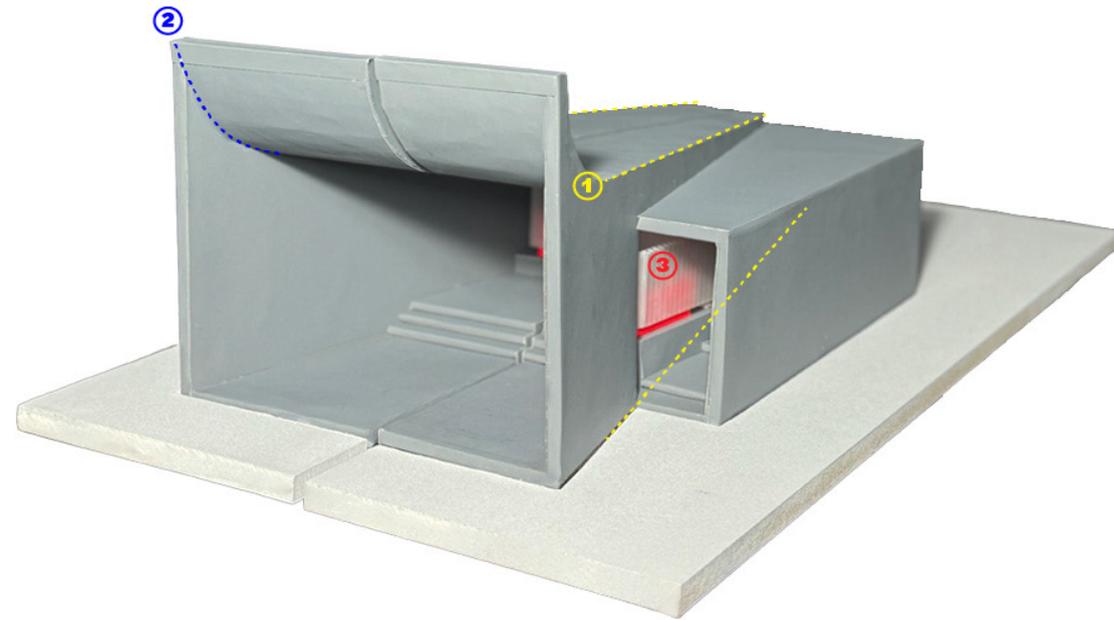
AutoRepairShop_MainImage_”Beyond”

FACTS

 Completed Fall 2021 Semester, under the guidance of Professor  Abigail Chang

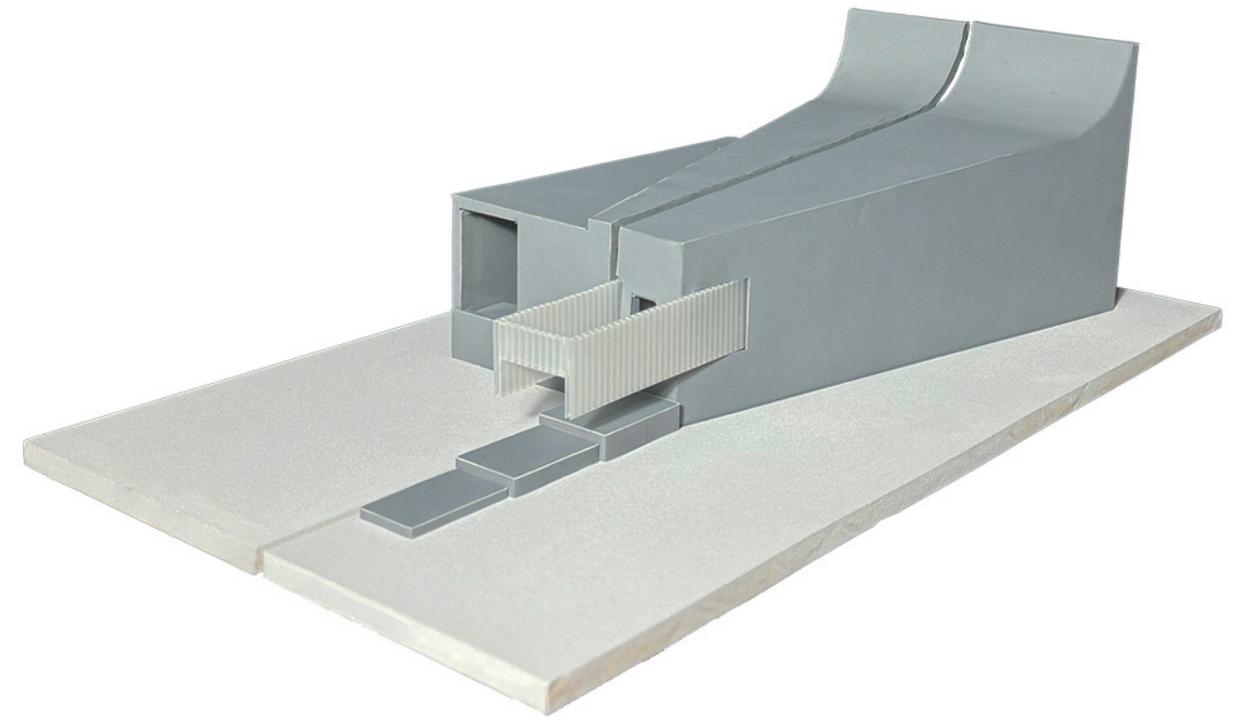
 Awarded at UIC Year End Show “Outstanding Undergraduate 4th year Project” 2022

Physical model constructed with routed MDF board



AutoRepairShop_FrontModel_“Beyond”

- ① Firstly, two cone-like volumes produce a forced perspective, manipulating the perception of space to appear further. Tighter niches for an office and entry open toward large, open areas for the garage and car lifts.
- ② Secondly, the profile of the garage roof curves upward and reads as a receding surface from the front elevation. This profile produces a soft, indistinguishable edge whose end disappears out of sight.



AutoRepairShop_BackModel_“Beyond”

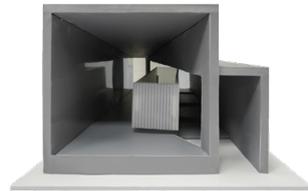
- ③ Thirdly, containers that house the waiting room and restrooms give the illusion of levitation through materiality. Translucent partitions compartmentalize the back of house and double through the reflective interior. As they slide and slip past the exterior shell, the hovering containers allow customers and employees to be viewed through partial glimpses.



Study Model 1

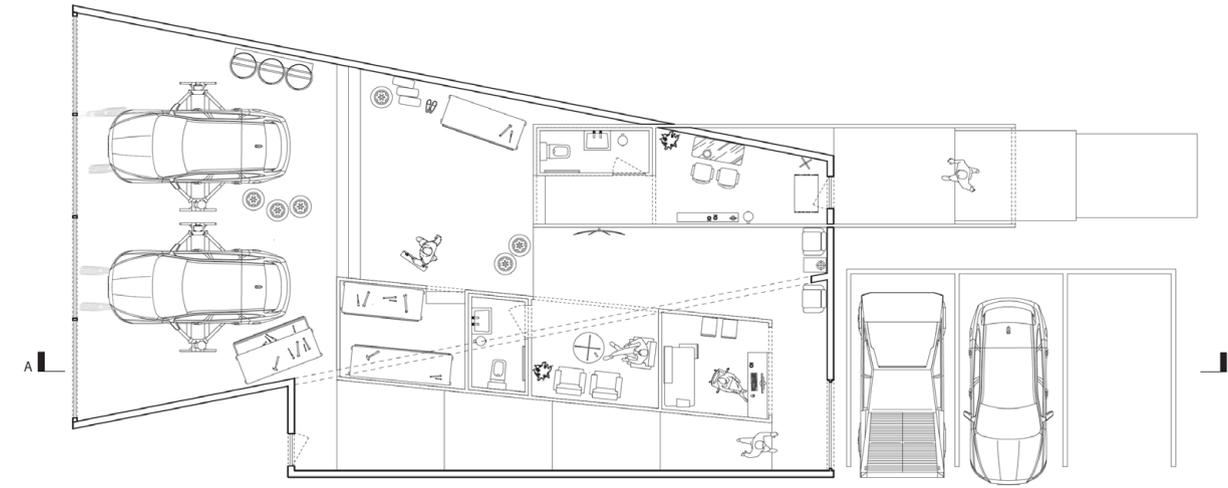
Early foam model opened up the question, “are we attracted to open spaces when in tight spaces?” or “are we attracted to tight spaces when in open space?”

Resulting in the auto repair shop to constantly pull users between tight and open spaces.

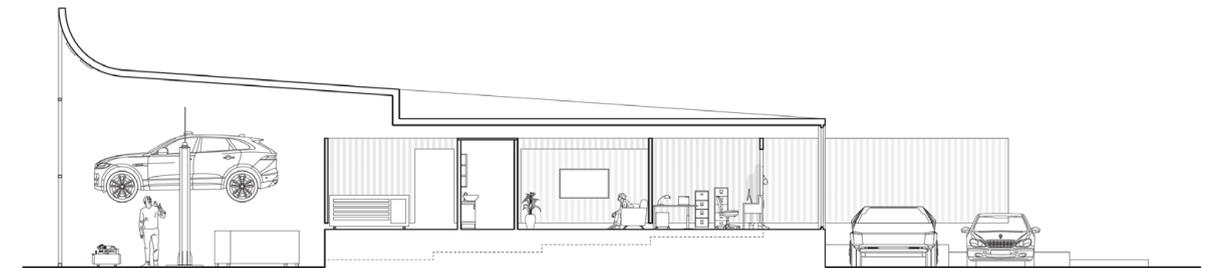


Study Model 2

Midterm model, created before the project was assigned the program of an auto repair shop. It was during this study model that the idea of a translucent container was introduced, further extrapolating the interpretation of the preposition “beyond.”



FLOORPLAN
1/16"=1'-0"



SECTION
1/16"=1'-0"

02 HOUSE NEAR ZAKOPANE



Project Breaking Ground: 2026

BRYLÓWKA, NOWE BYSTRE, POLAND - Zakopane is one of Poland's most unique villages, despite the region only containing less than 1% percent of the Polish population, the other 99% of Poland know, visit, and hold this part of Poland on a pedestal for its uniqueness, beautiful mountains, and distinct spoken dialect.

House near Zakopane is a single family house that was designed and will be located just a handful of minutes outside of Zakopane, paying homage to the region through materiality and local style.

To create a dynamic and family orientated ambience, the entire first floor clumps together many of the building's programs like bathroom, staircase, guest room, closet, and windbreaker, all into just a small portion of the building plan, allowing for other programs that include human interaction and cooperation like kitchen, living space, and outdoor space to all be easily transgressed and open to one another.

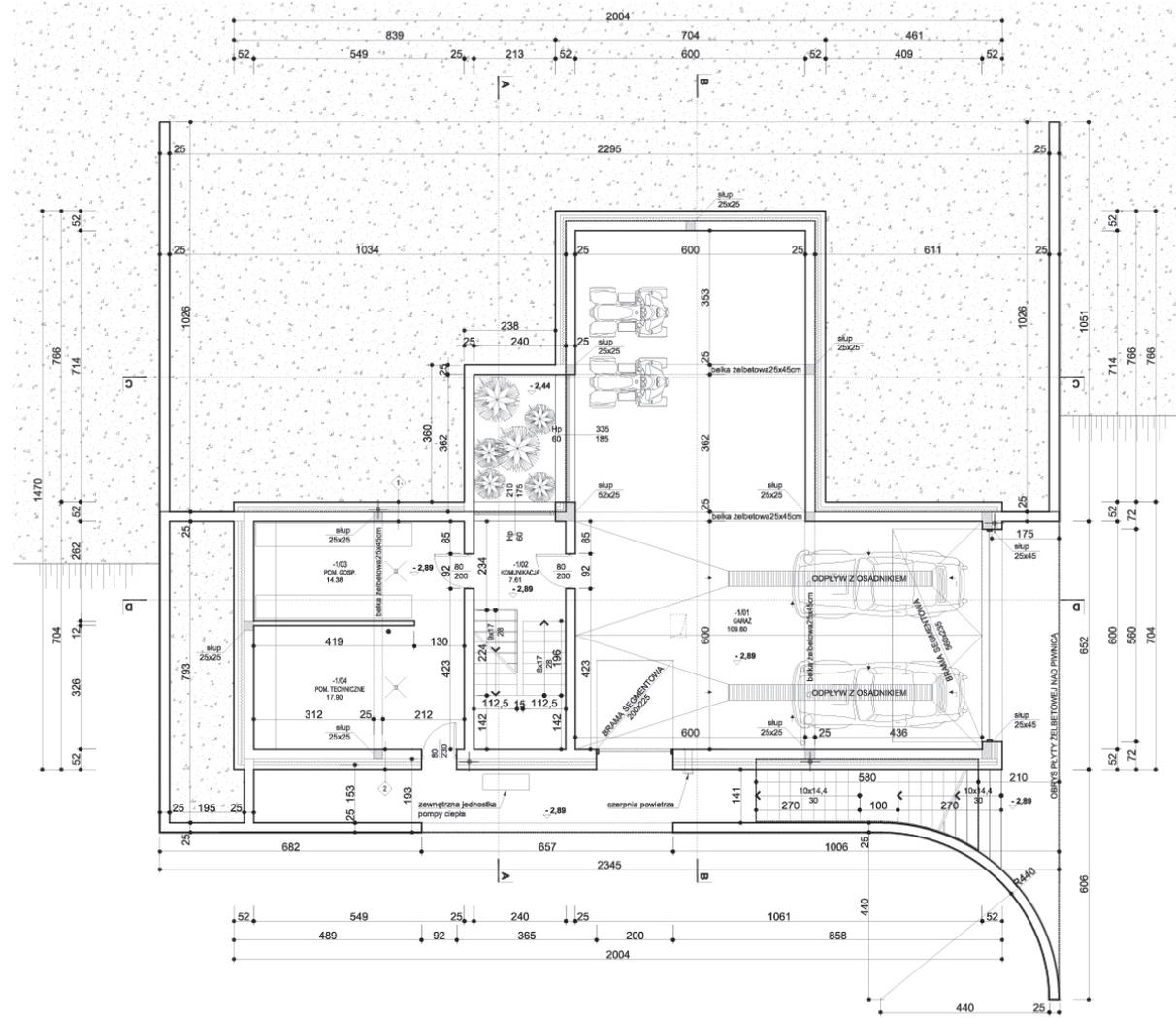
FACTS

Designed while working at INNO PRACOWNIA ARCHITEKTURY
Janosówka 14, 34-500 Zakopane, Poland.

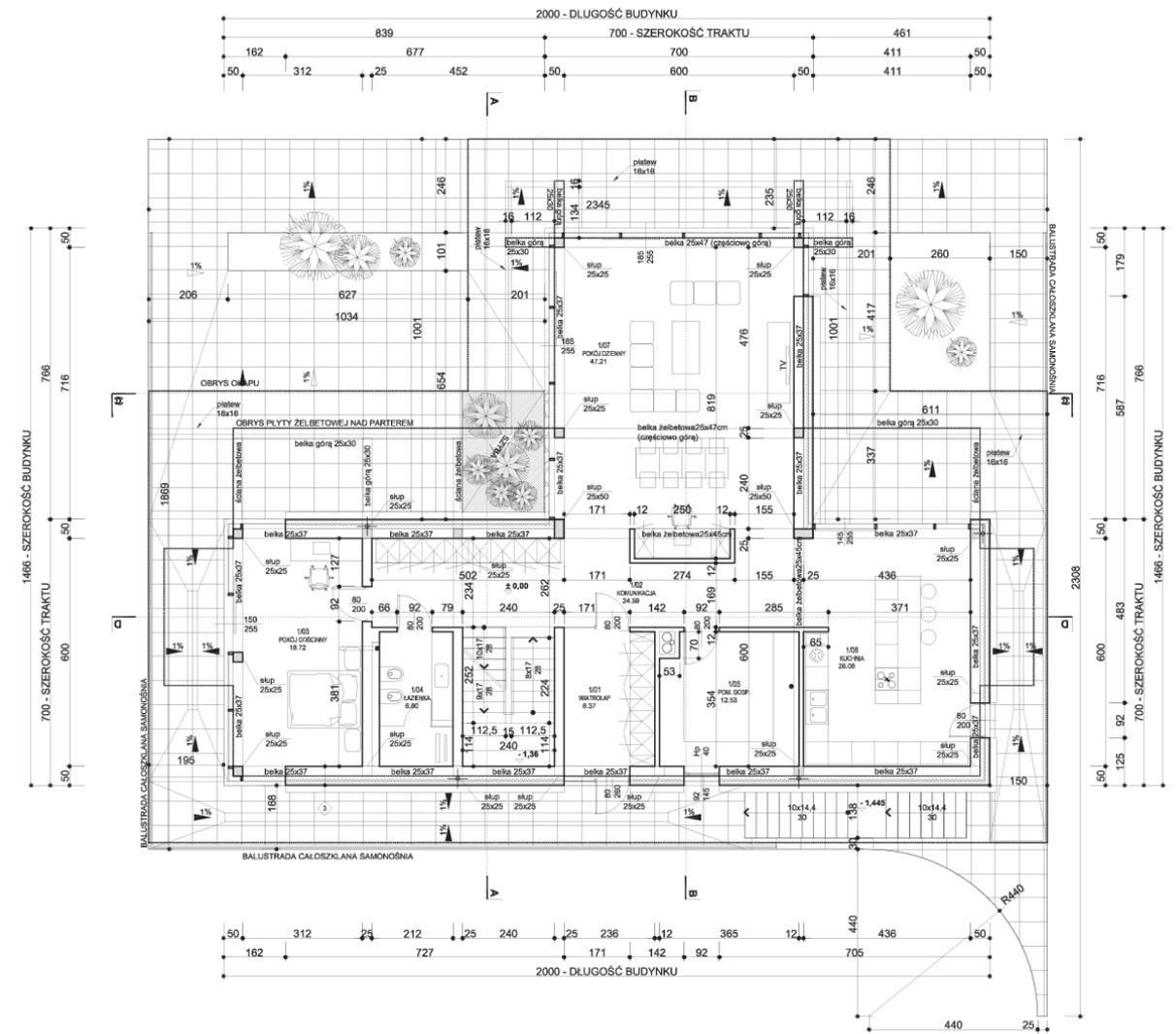
Renders credited to Mariusz R.

Breaking ground in 2026.

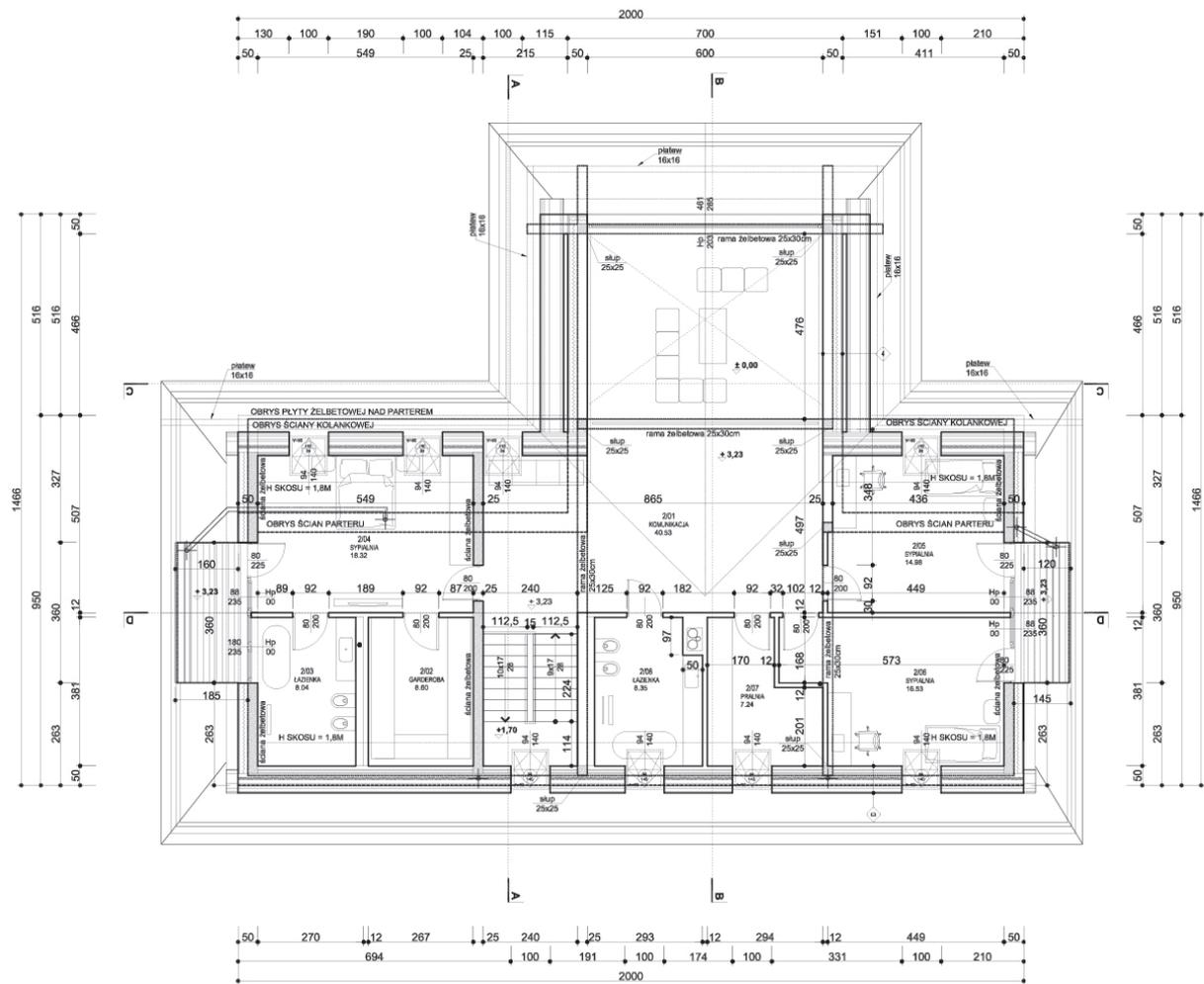




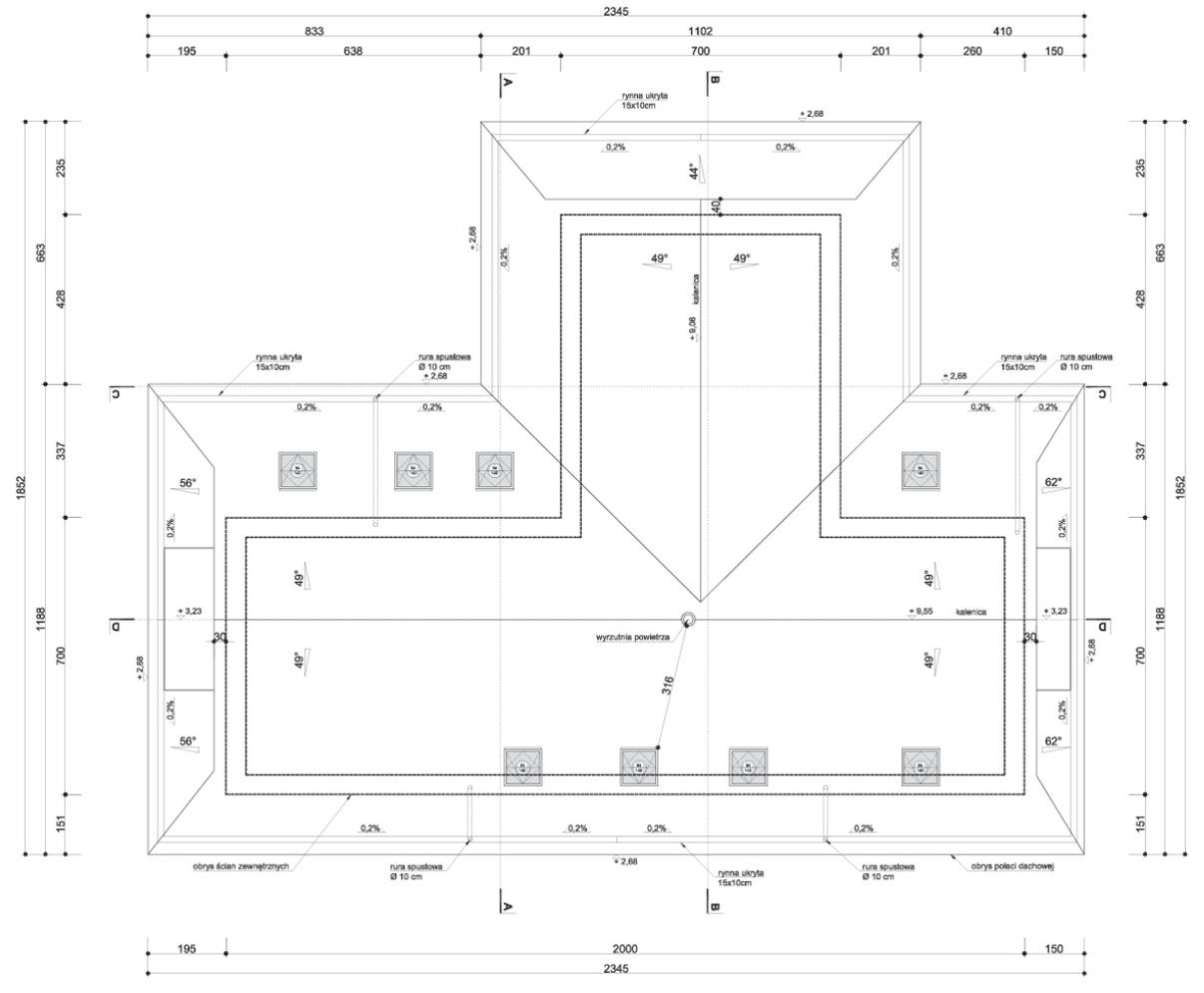
BASEMENT FLOORPLAN
1/16"=1'-0"



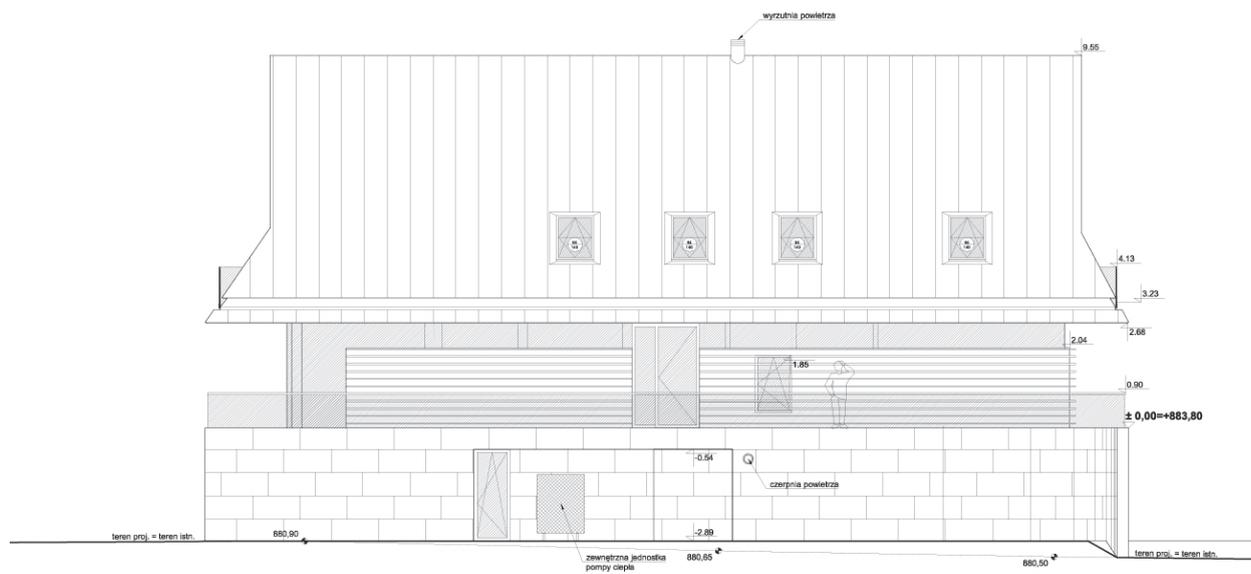
FIRST FLOORPLAN
1/16"=1'-0"



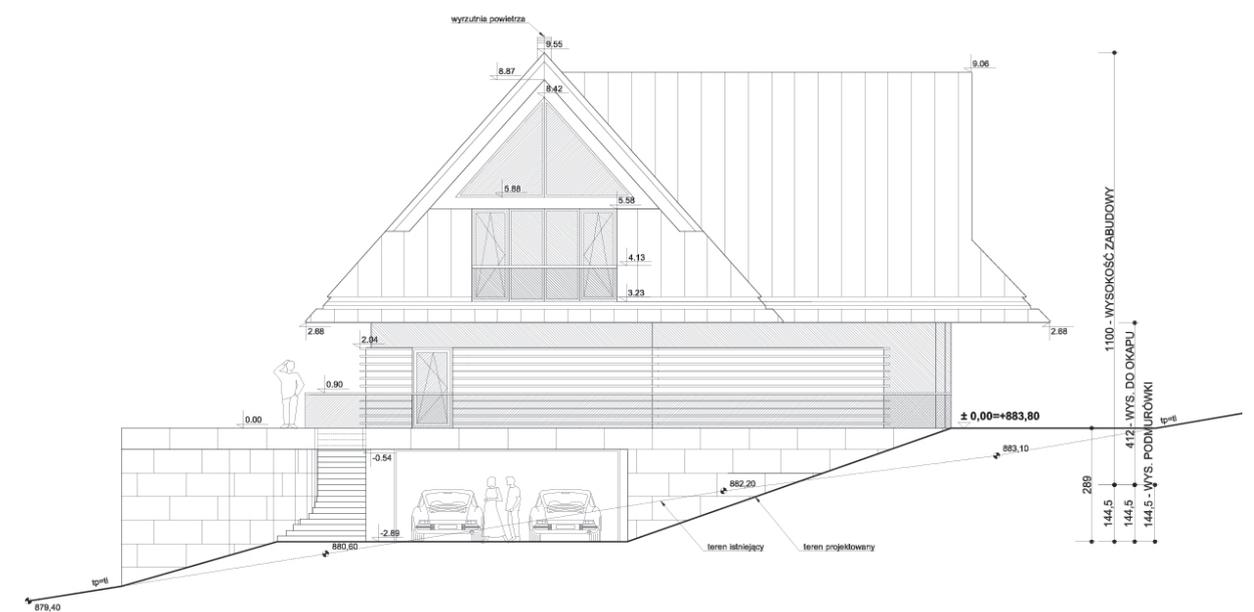
SECOND FLOORPLAN
1/16"=1'-0"



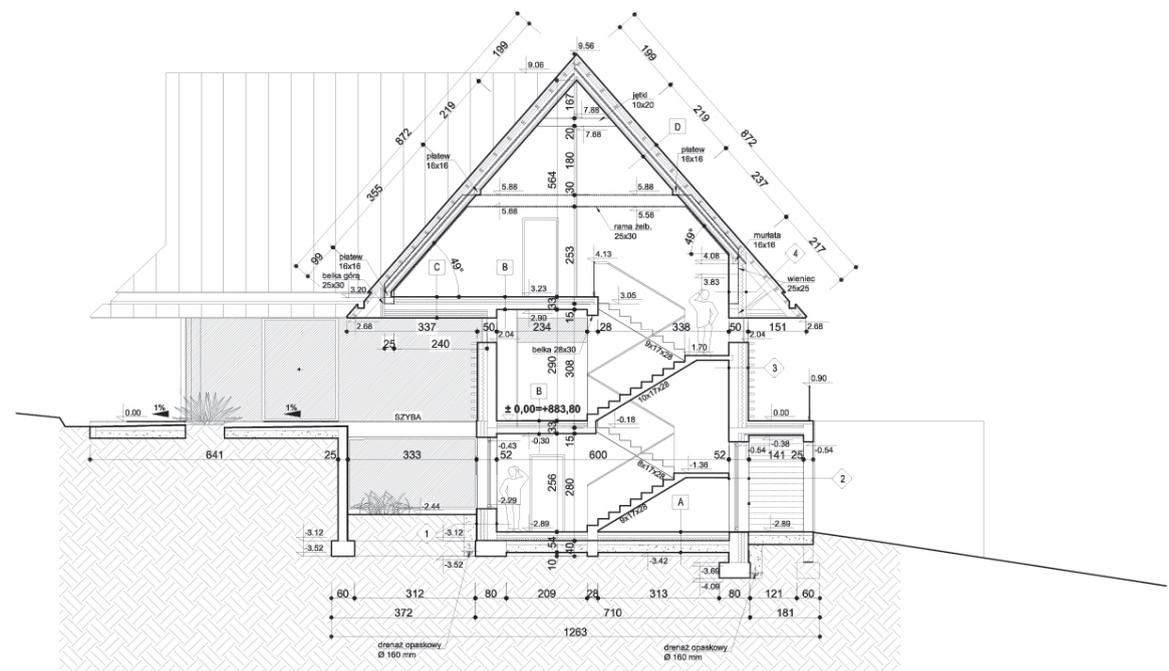
ROOF FLOORPLAN
1/16"=1'-0"



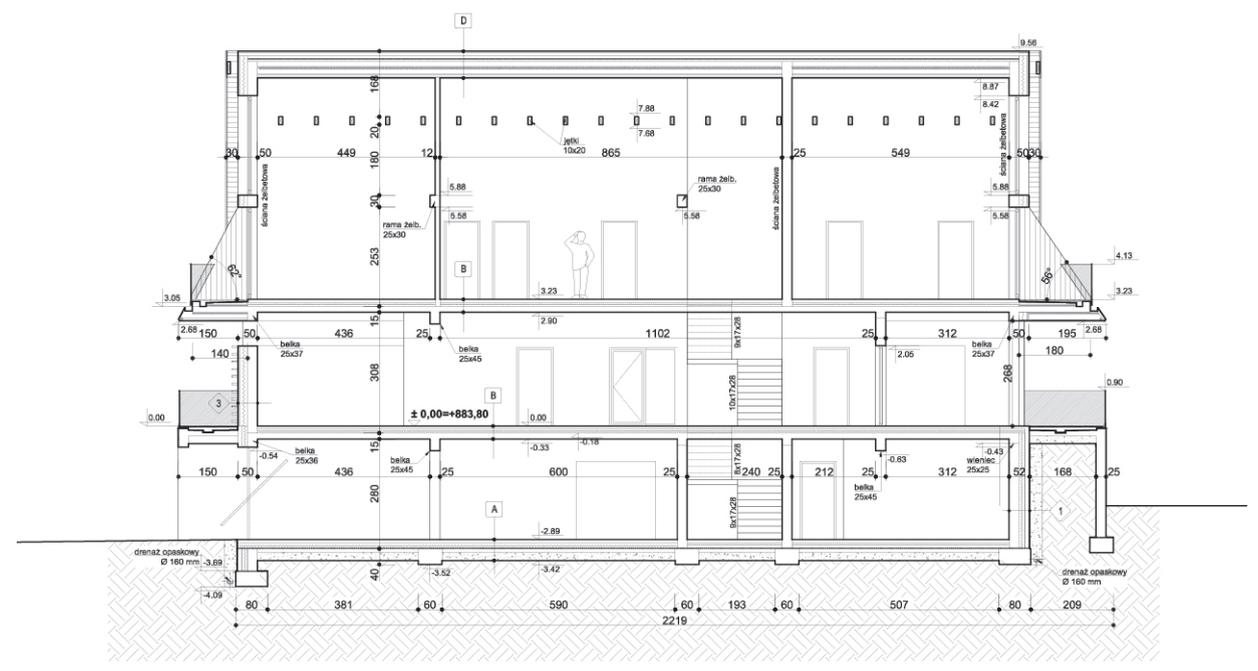
ELEVATION NORTH
1/16"=1'-0"



ELEVATION WEST
1/16"=1'-0"



SECTION A
1/16"=1'-0"

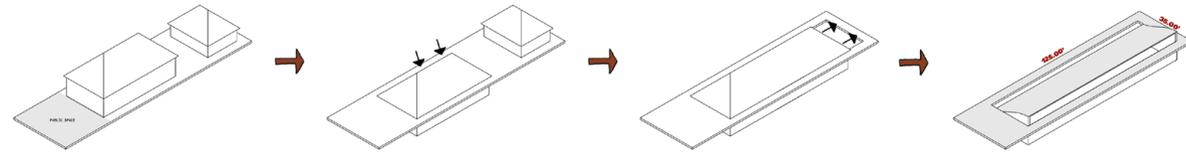


SECTION D
1/16"=1'-0"

03 BELOW GROUND



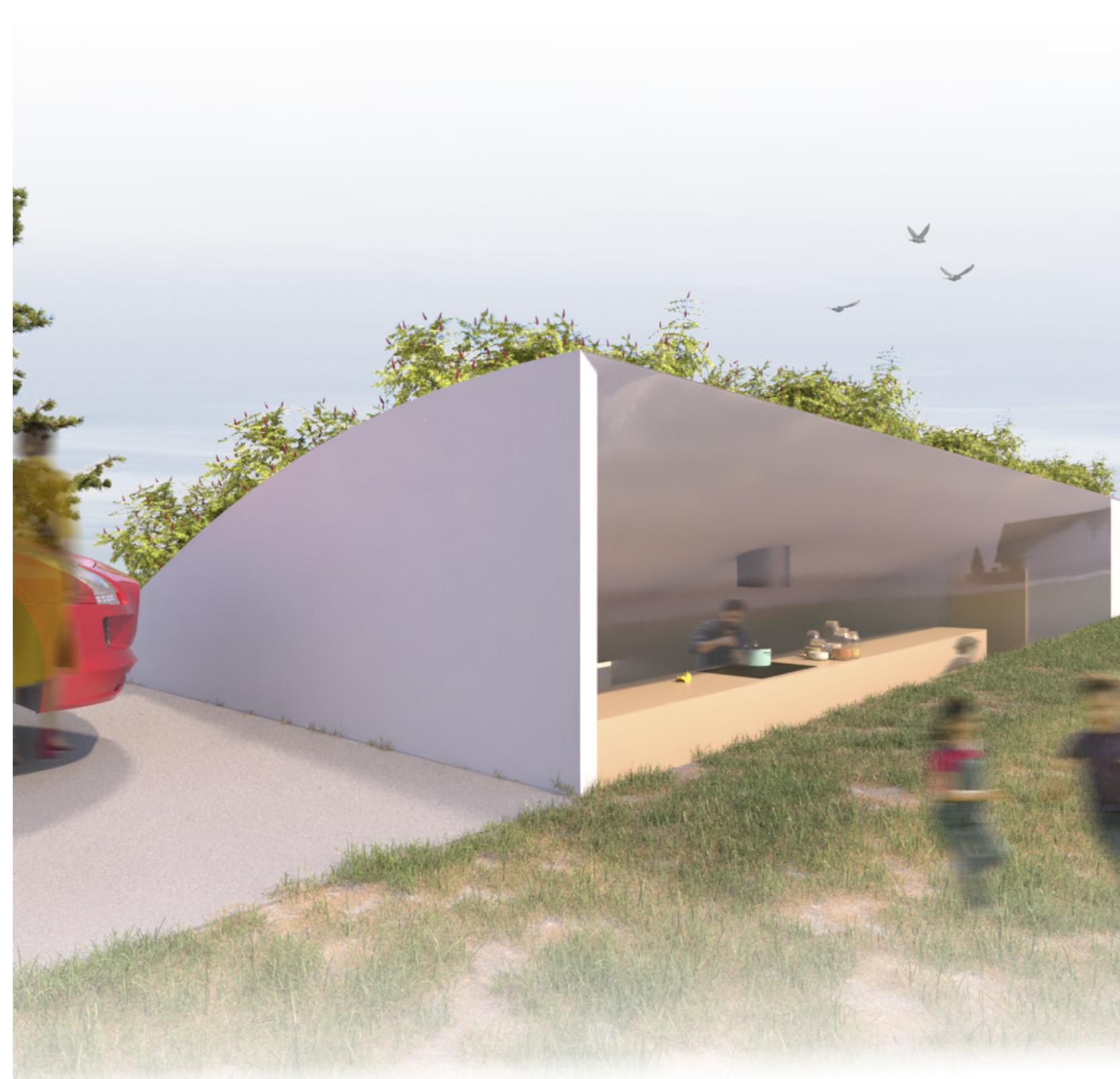
The project is a **direct critique of the typical Chicago lot**. Incentivized by the high cost of land, builders and designers consistently aim to maximize every square foot for private space, resulting in a strict divide between public and private. Likewise, the typical lot owner will always build on the entire buildable area, forgetting about the importance of maximizing important elements to living such as access to sunlight as well as providing a connection to outdoor space.

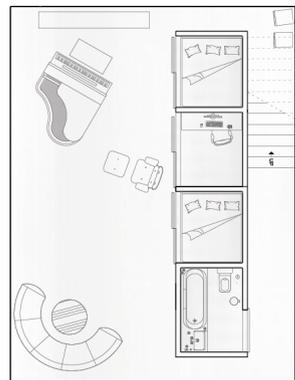
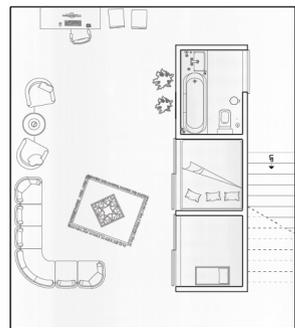
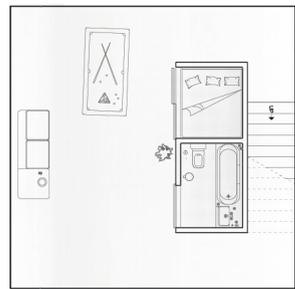


Diagram_Main_BelowGround

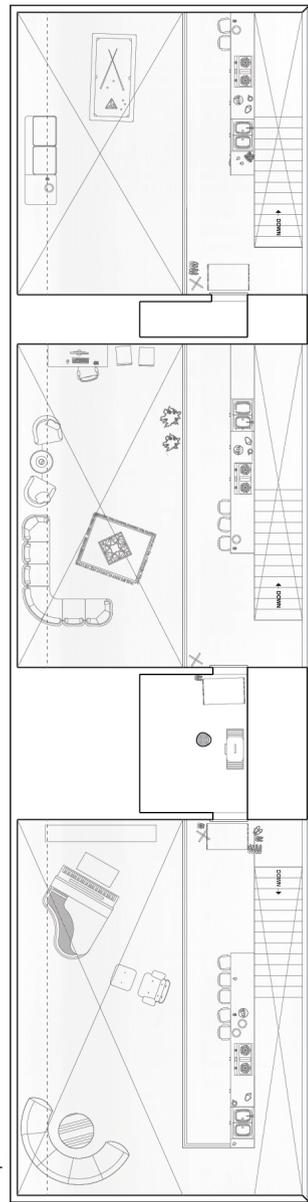
Unlike the typical Chicago house, the project's entire ground floor is dedicated to a collective yet private garden that maintains the qualities of an empty lot. In order to reach one's unit, each occupant must first make their way through the lot area which is given back to the community, then transgress through the garden and descend into their units. A single sunken entrance is placed along the façade wall, suggesting the start of private space.

Below ground, each unit contains the same exact characteristics that make the garden so desirable. 1) Access to sun-light, allowing for occupants to enjoy natural light despite living below ground. 2) Open space, concentrating many of the building's programs into a small rectangular block. The design is able to devote a majority of the private space to living and eating spaces. 3) Fresh air, placing windows on contrasting ends of each apartment space, a flow of wind is created, mimicking the conditions of the garden above.

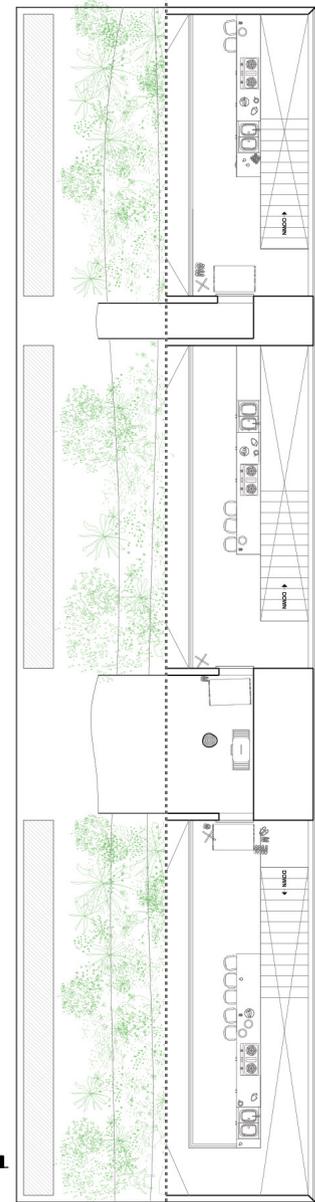




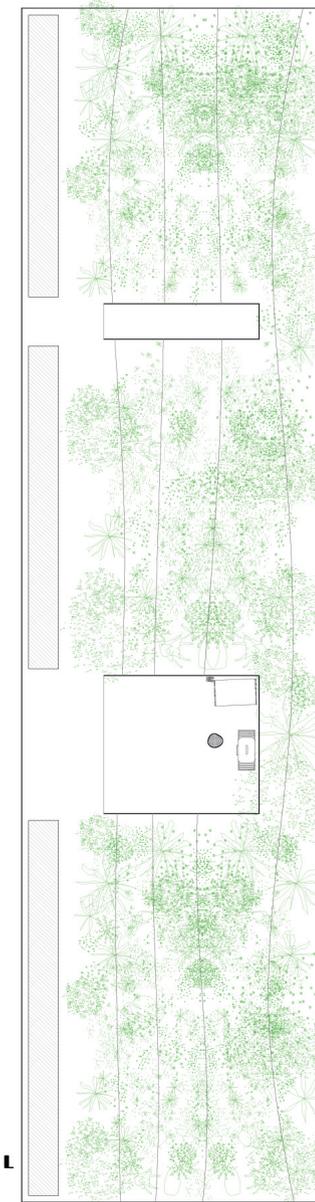
FLOORPLAN -1
1/16"=1'-0"



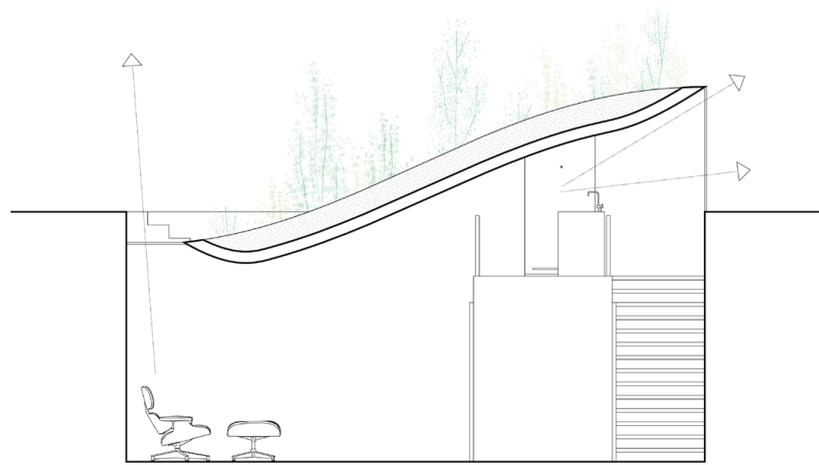
FLOORPLAN 0
1/16"=1'-0"



FLOORPLAN +1/0
1/16"=1'-0"



FLOORPLAN +1
1/16"=1'-0"



SECTION
1/8"=1'-0"

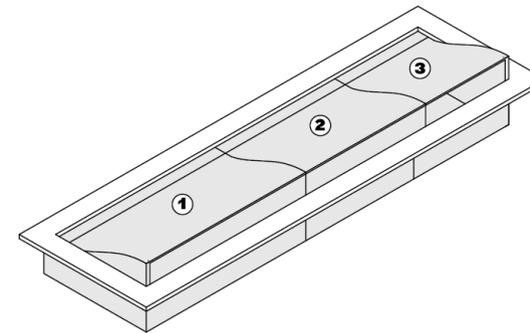
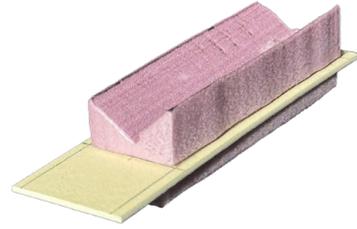


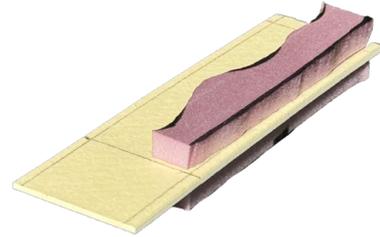
DIAGRAM 1
N.T.S



Study Model 1



Study Model 2



Study Model 3

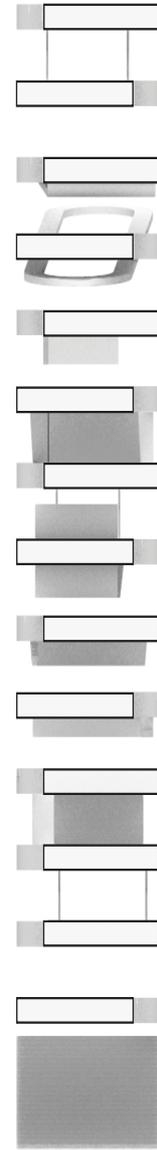
A sequence of physical models investigate how a single volume can be maximized and manipulated into a single form that allows for access to sunlight, interior open space, access to fresh air.

04 SKY-SCRAPER

The “floor tray” athletic club challenges the traditional sky-scraper. Rather than having little to no relation exist between each floor, the athletic club consists of stacked “floor tray’s” that interact with one another housing a variety of sports and programs onto each unique tray.

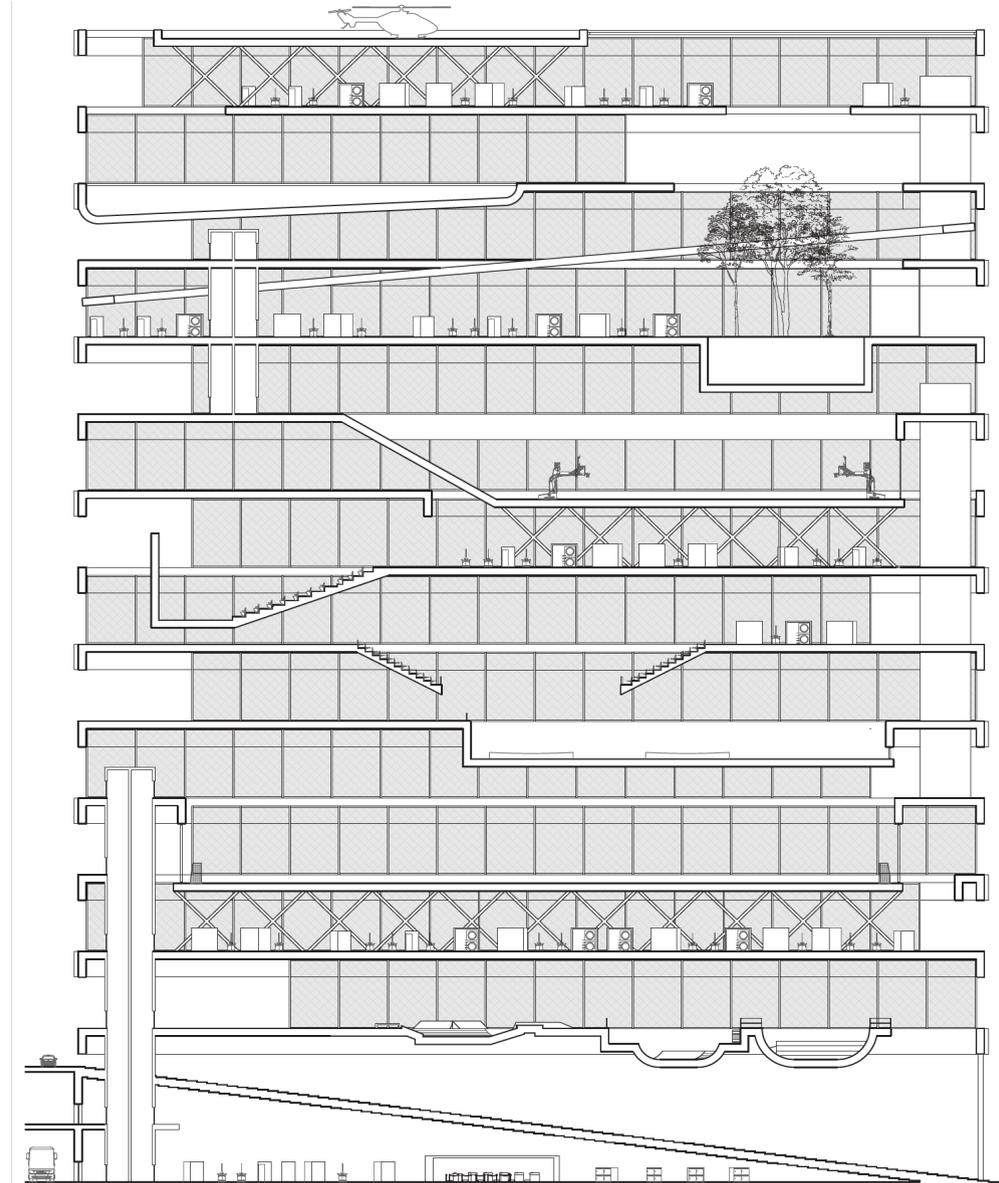
Each tray is placed in a “pivot” in order to create a relationship not only with the trays both above and below, but also with those place two floors above and below, resulting in a more interactive design.

The athletic club can also be understood in two parts, a lower and an upper part. The lower part consists of a large staircase aimed to attract and interest passerby’s around the city towards the athletic club. The upper part consists of the floor trays while housing a variety of programs like sports, restaurants, leisure activities, and capsules to sleep in.



CONCEPTUAL SECTION
N.T.S

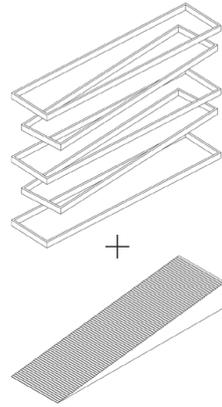
04



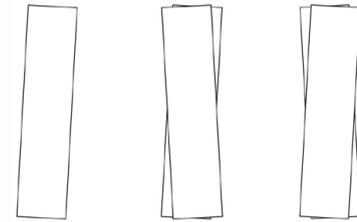
SECTION
N.T.S

04

COMPROMISED OF
2 PARTS
(UPPER AND
LOWER)

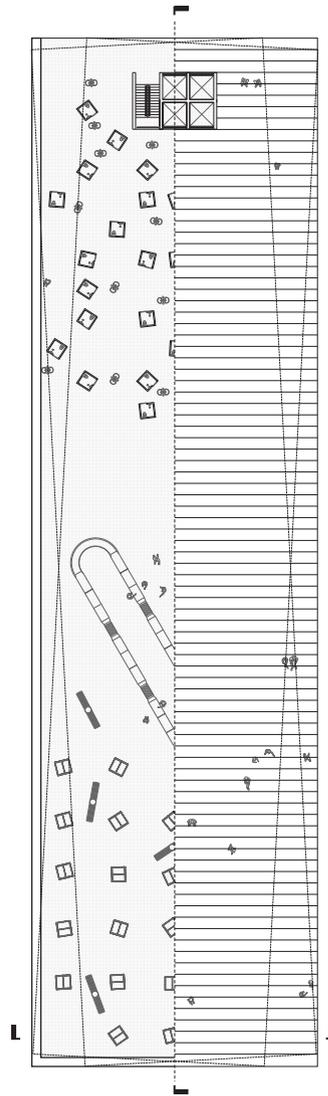


EACH FLOOR
TRAY'S
PIVOT
ALLOWS FOR MORE
FLOORS TO
INTERACT WITH
ONE ANOTHER

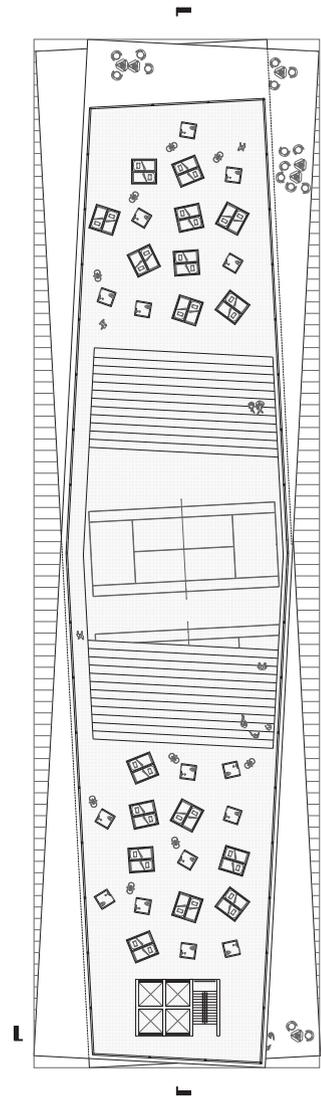




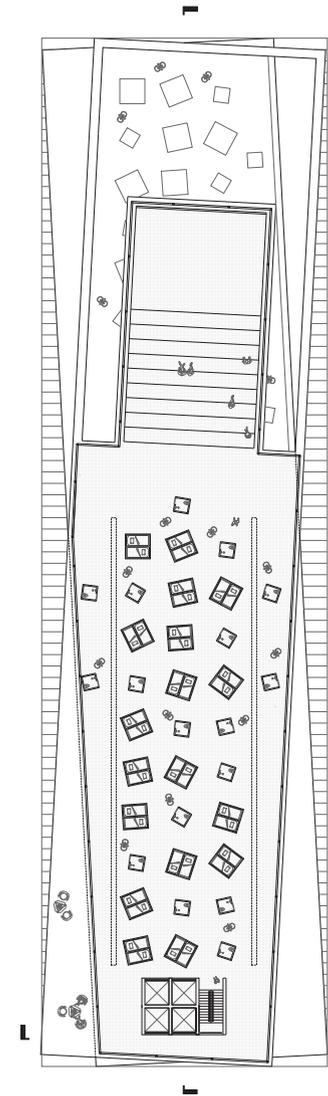
RunningTrack_RenderIMG_SkyScraper



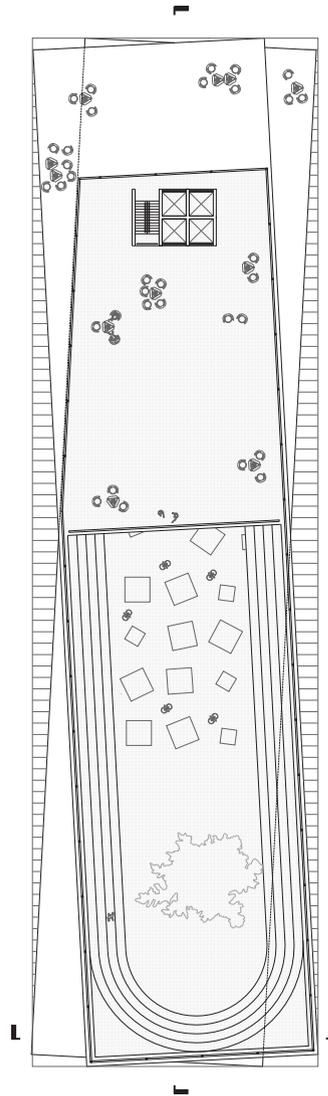
FLOORPLAN -1/0
1/64"=1'-0"



FLOORPLAN 6
1/64"=1'-0"



FLOORPLAN 8
1/64"=1'-0"



FLOORPLAN 12
1/64"=1'-0"



05 ONE ROOM



The project brief was simple: design a one-room building of any scale or function.

One Room is a single-family house project that reinterprets the symbolic gable roof through unconventional forms. The design process emphasized physical model making as the primary method of exploration.



Front Elevation



Right Elevation



Left Elevation



Back Elevation

FACTS



Completed Spring 2025 Semester, under the guidance of Professor Paul Andersen

Final model constructed with 1/16" basswood

Study models constructed with 1/16" chipboard



Study Model 1



Study Model 2



Study Model 3



Midterm Model 1



Midterm Model 2



OneRoom_AxoModel_GableRoof