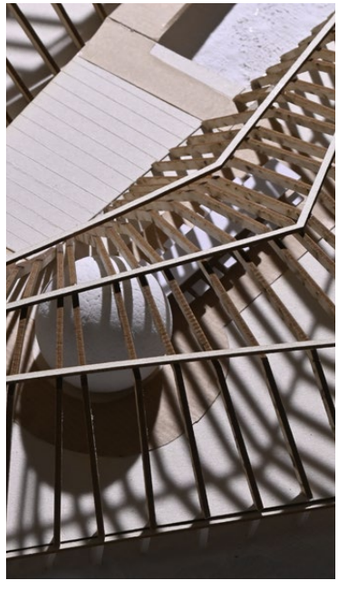
PORT-FOLIO | CV

MADLEN*SUNTINGER*

BACHELOR OF ARCHITECTURE



01Traits de côtes

BACHELORPROJECT

Studioproject - BArch six - S2025
Paris-Malaquais School of Architecture PSL University Paris
Supervisor: Nicolas Gilsoul

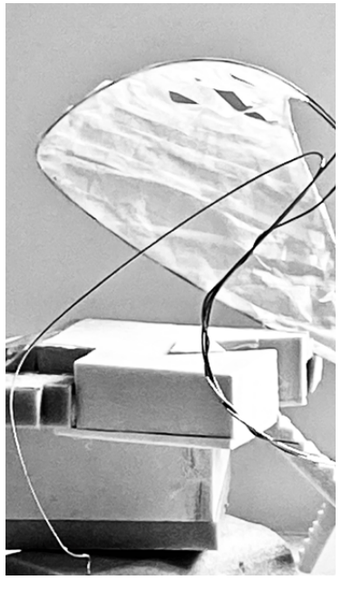
SSFeb25 - Jun25



02rotating grounds

Studioproject - MArch one - W2025
Academy of Fine Arts Vienna
Supervisors: Susanne Brorson

WS Oct25 - Jan26



03The Commission

Studioproject - BArch four - S2024
Academy of Fine Arts Vienna
Supervisors: Hannes Stiefel, Luciano Parodi

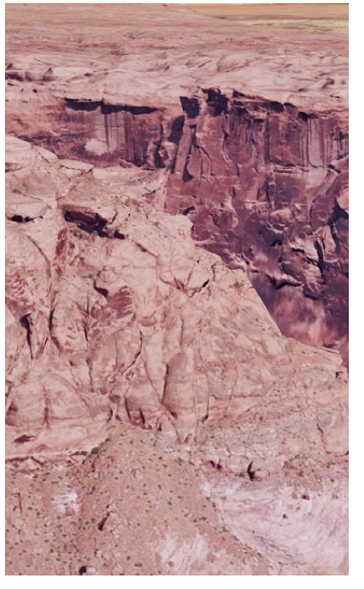
SS Feb24 - Jun25



04StudioL

Studioproject - BArch three - W2023
Academy of Fine Arts Vienna
Cooperation with Uni Stuttgart

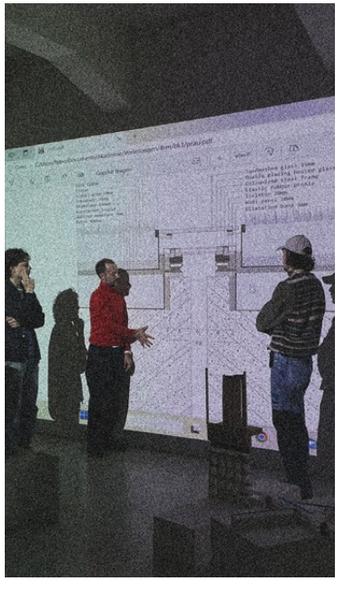
WS Oct23 - Jan24



05Notes on Concert Halls

Studioproject - BArch two - S2023
Academy of Fine Arts Vienna
Supervisors: Wolfgang Tschapeller, Valerie Messini

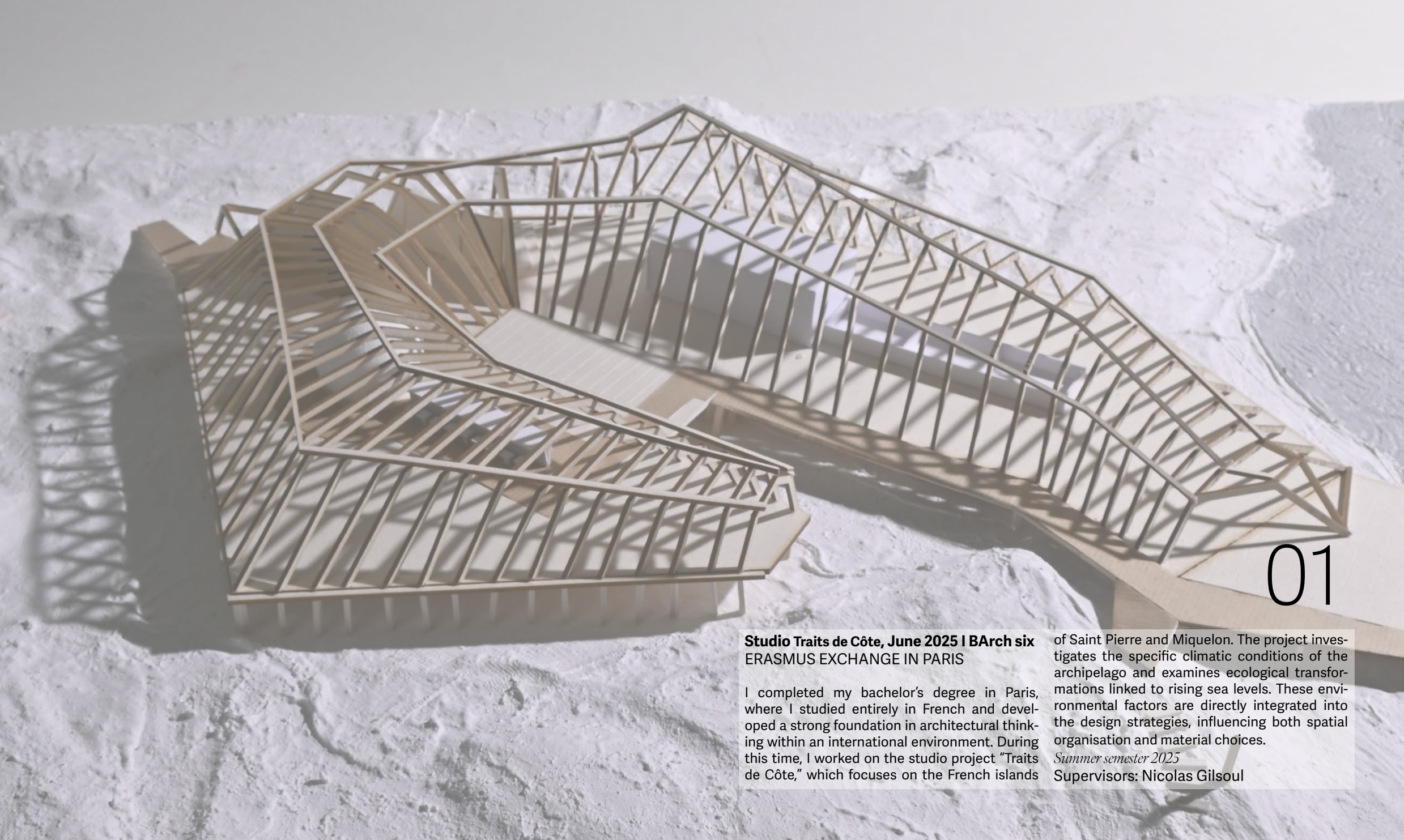
SS Feb23 - Jun23



06small projects

Wine bar table (sam-architects)
Pavillion construction
Loft conversion (sam-architects)
Accoustic workshop

SSFeb24 - Jun25



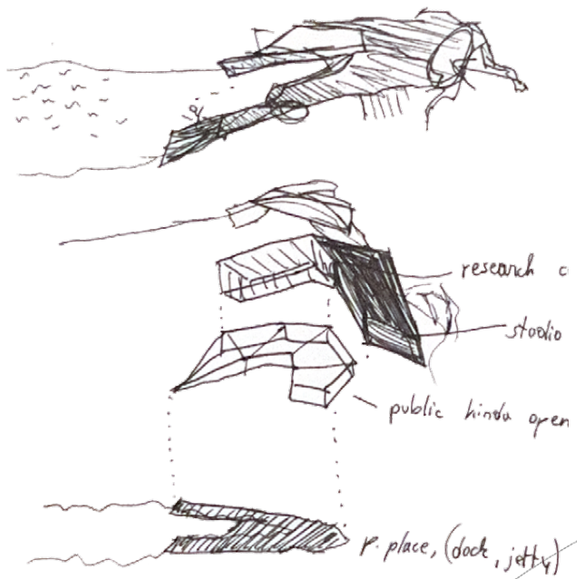
01

Studio Traits de Côte, June 2025 I BArch six
ERASMUS EXCHANGE IN PARIS

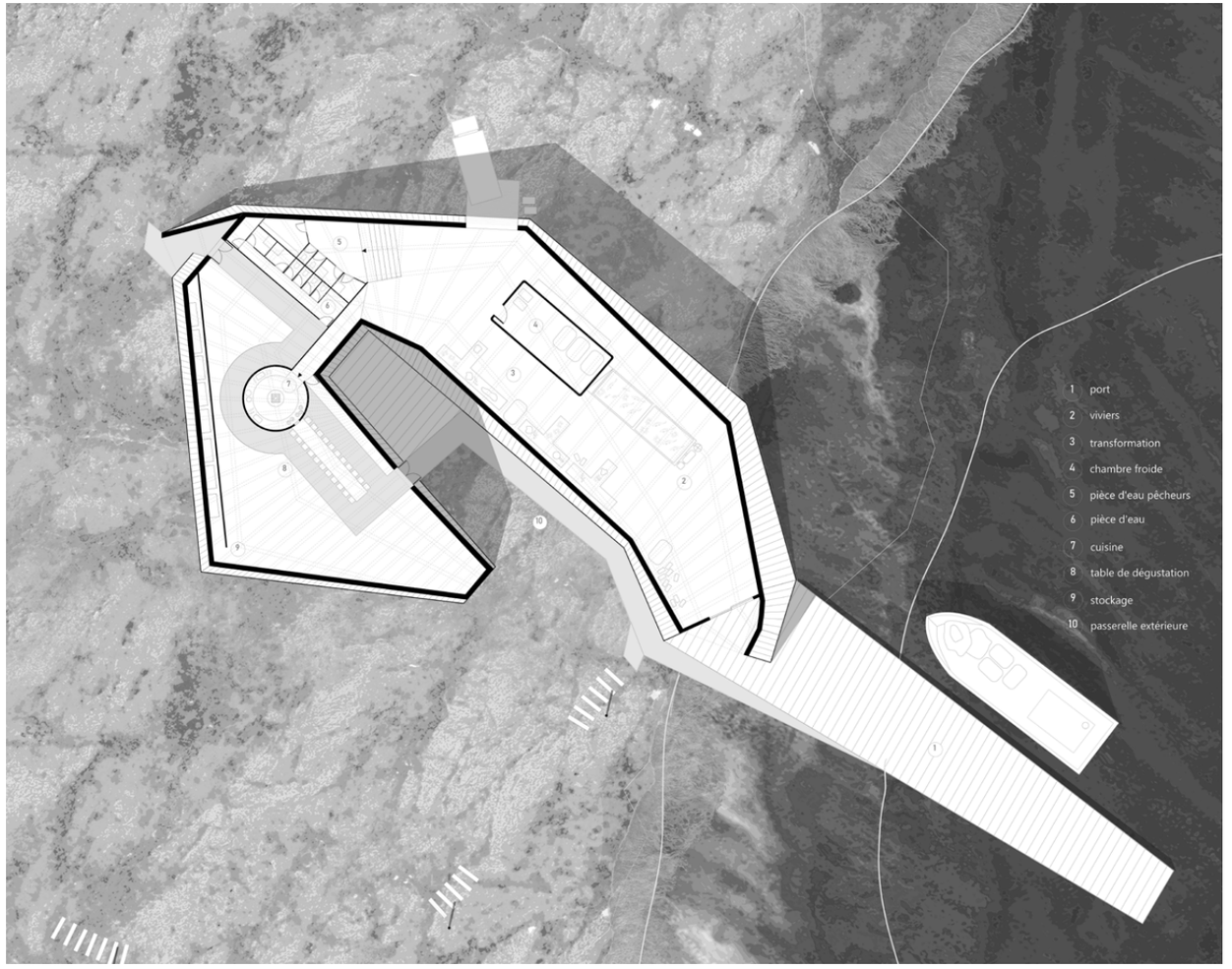
I completed my bachelor's degree in Paris, where I studied entirely in French and developed a strong foundation in architectural thinking within an international environment. During this time, I worked on the studio project "Traits de Côte," which focuses on the French islands of Saint Pierre and Miquelon. The project investigates the specific climatic conditions of the archipelago and examines ecological transformations linked to rising sea levels. These environmental factors are directly integrated into the design strategies, influencing both spatial organisation and material choices.

Summer semester 2025

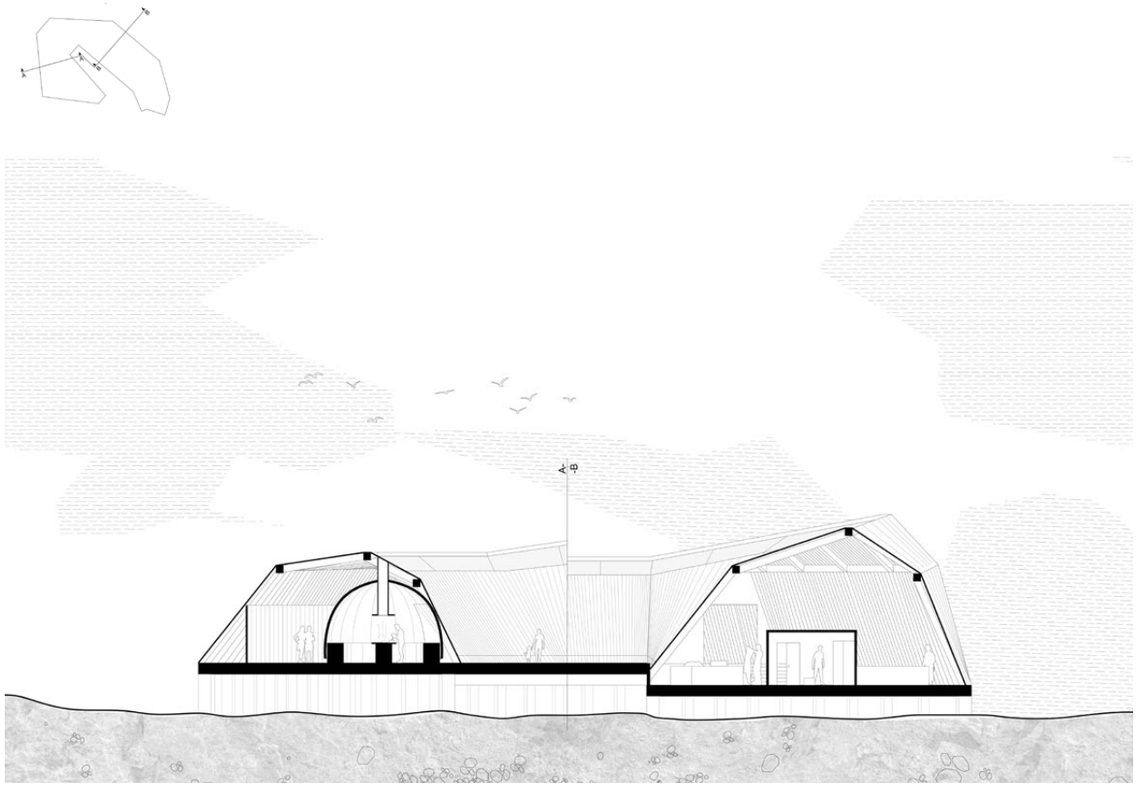
Supervisors: Nicolas Gilsoul

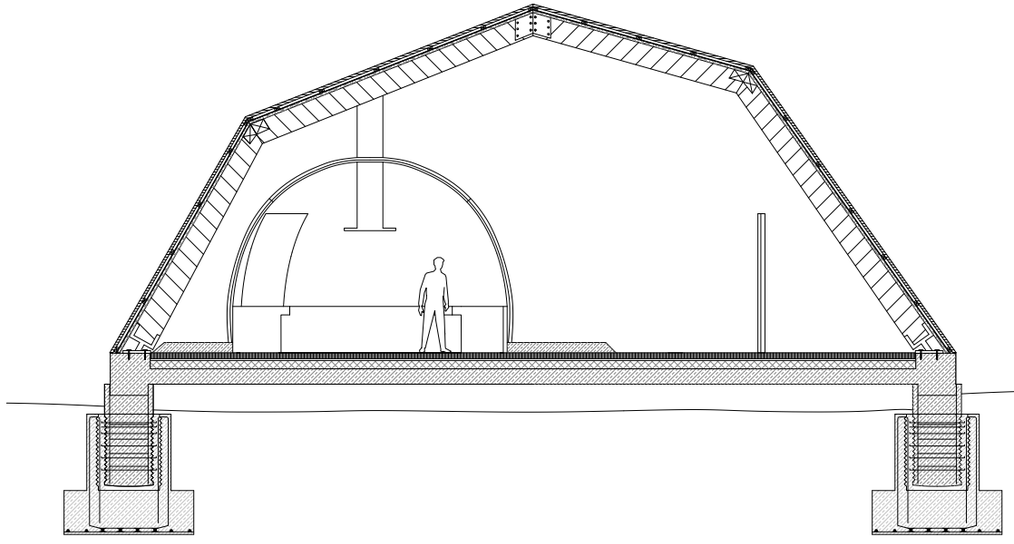


Traits de Côtes explores architectural resilience on the islands of Saint Pierre and Miquelon, where rising sea levels and harsh winds shape daily life. The project examines the intersection of climate, territory, and cultural identity, translating ecological transformations into spatial strategies.



The building combines a protective timber structure with porous, light-filled zones that mediate between work, community, and the shifting coastline. Developed during my Erasmus semester at ENSA Paris-Malaquais, the project reflects a French approach to site-driven design and material sensitivity.





Wood gridshell structure
Timber cladding
Rafters with ventilation gap
Vapour barrier
Thermal insulation, soft
Load-bearing timber, beam construction
Post base connector

Floor construction
Floor finish / flooring
Cement screed
Impact sound insulation
Thermal insulation
Reinforced concrete slab
Substructure

Caisson Foundation
Reinforced concrete footing
Central socket (cast-in or precast)
Load-bearing column inserted into socket
Grouted connection (non-shrink mortar or concrete)
Horizontal reinforcement rings for shear resistance
Vertical reinforcement for load transfer
Soil compaction or gravel layer underneath
Ensures axial load transfer and lateral stability
Suitable for timber or steel frame structures
Prefabricated or in-situ concrete construction possible



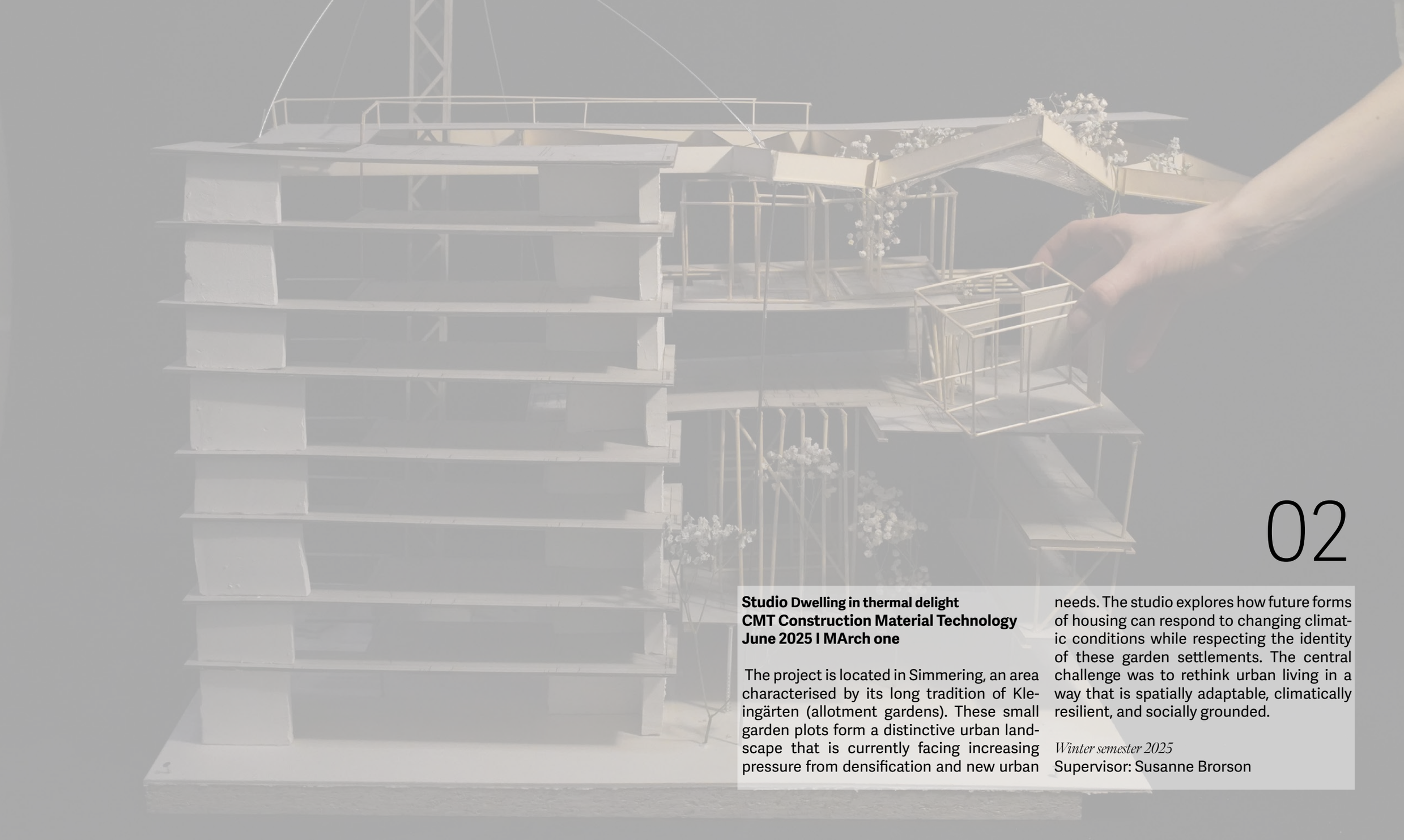
DETAIL
Content: section A-A'
1:4
Studio Traits de côtes

Planconstruction: Veronica Tabacaru, Mathis Pohu, Madlen Suntinger
Location: 97500, St. Pierre und Miquelon

Date: 08.06.2025
Plandimensions: 594mm (b), 841mm (h)
Filename: BKIII_SS25



lacered modell out of Finnpappe, and finals presentation in Paris at the Malaquais University

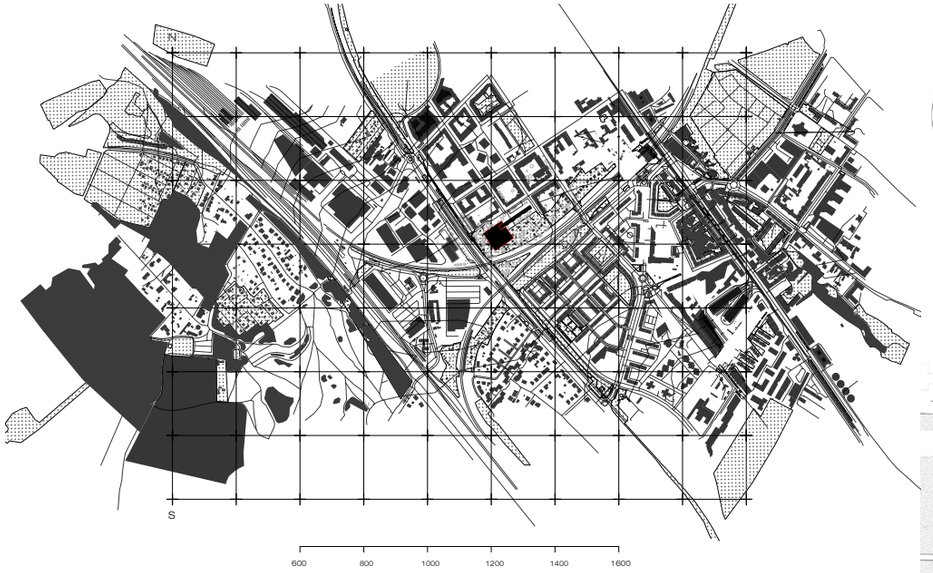


02

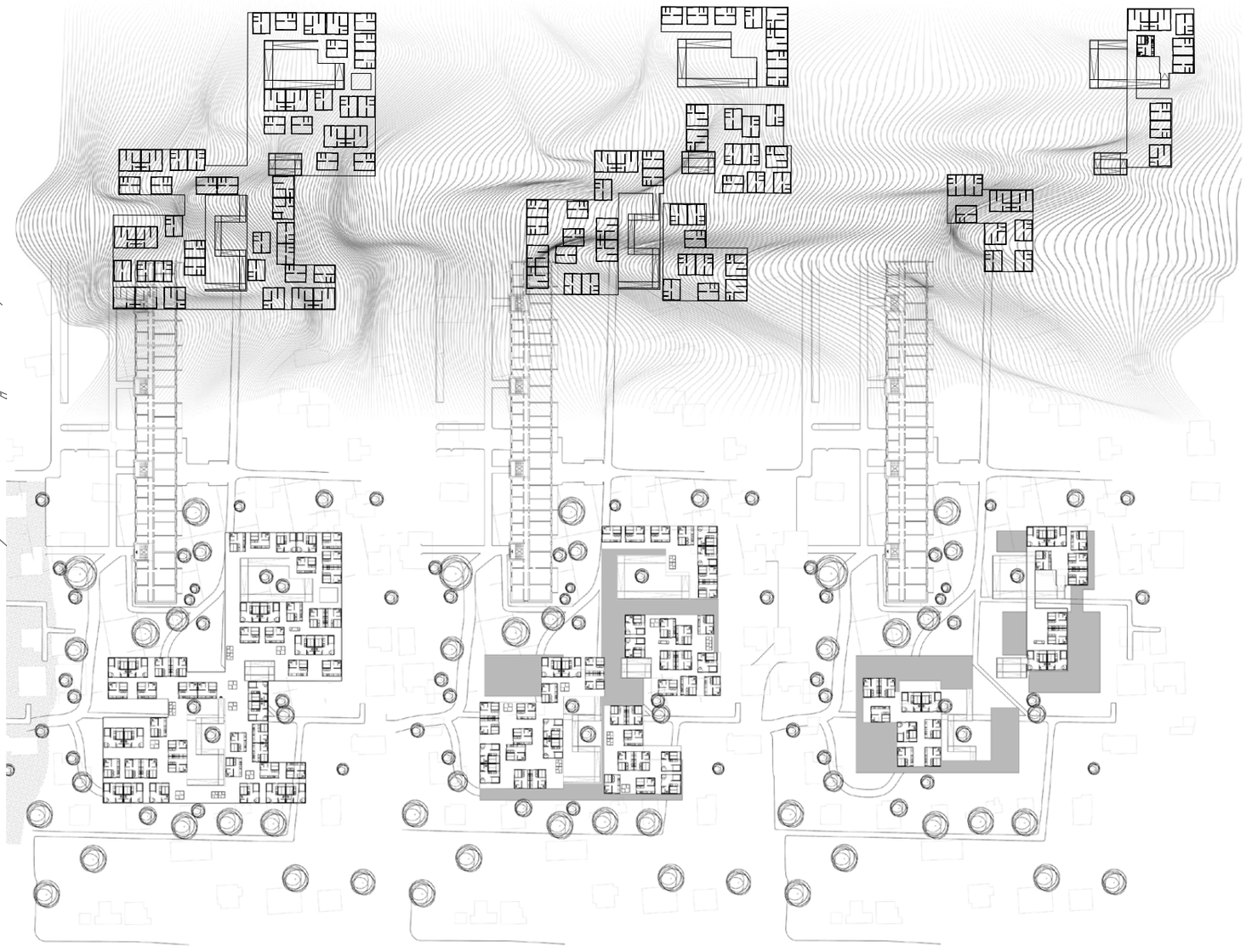
Studio Dwelling in thermal delight
CMT Construction Material Technology
June 2025 I MArch one

The project is located in Simmering, an area characterised by its long tradition of Kleingärten (allotment gardens). These small garden plots form a distinctive urban landscape that is currently facing increasing pressure from densification and new urban needs. The studio explores how future forms of housing can respond to changing climatic conditions while respecting the identity of these garden settlements. The central challenge was to rethink urban living in a way that is spatially adaptable, climatically resilient, and socially grounded.

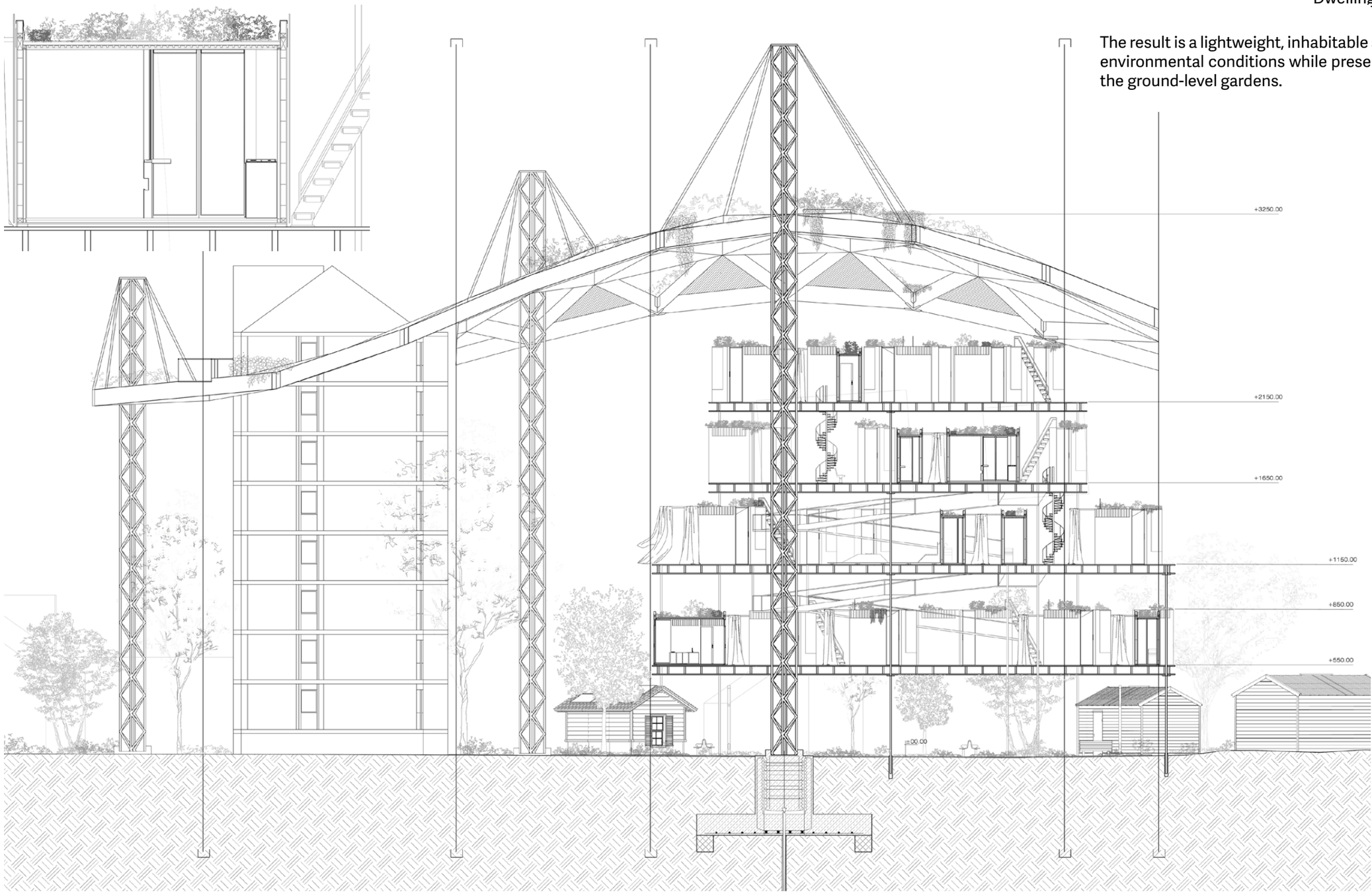
Winter semester 2025
Supervisor: Susanne Brorson

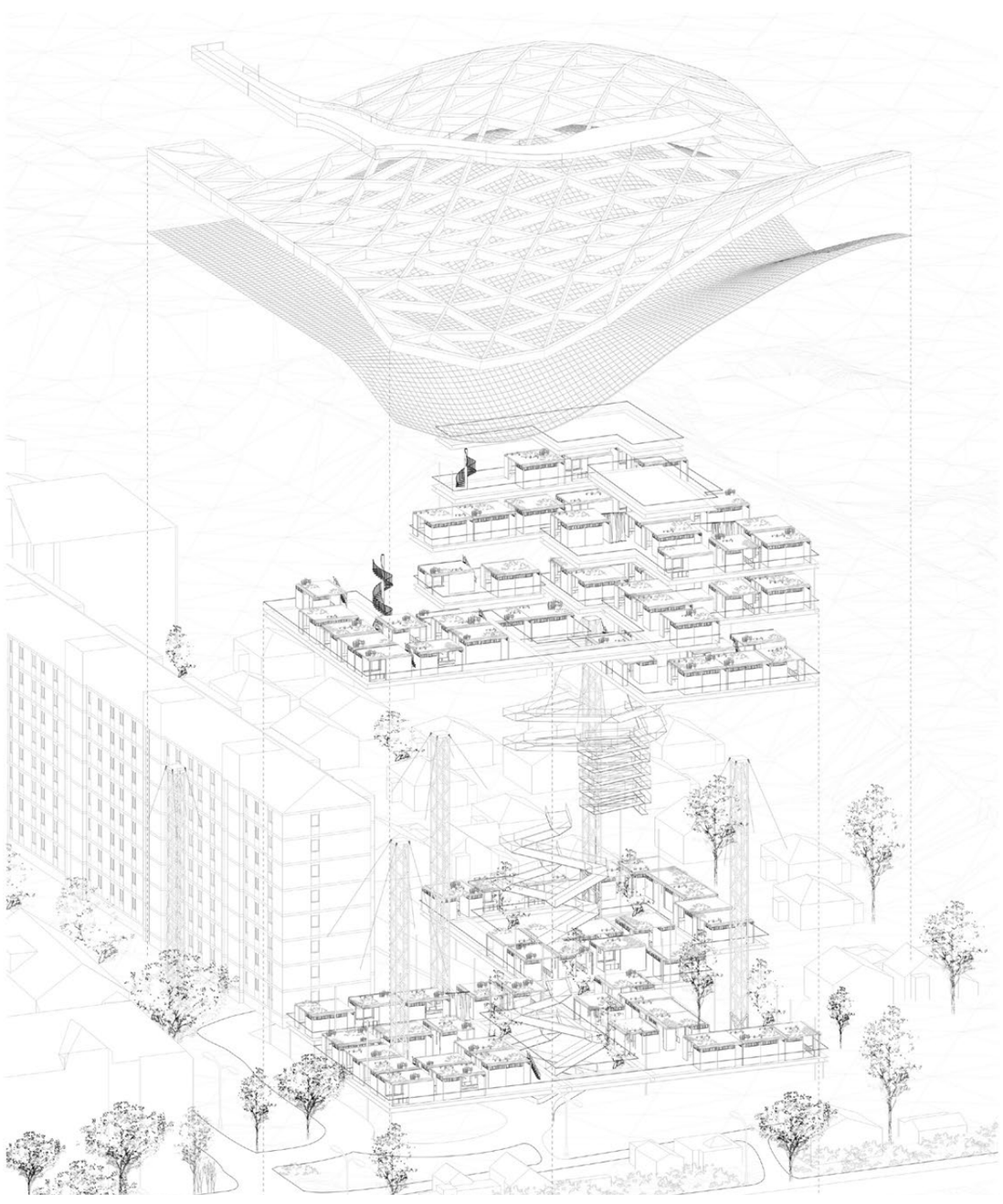


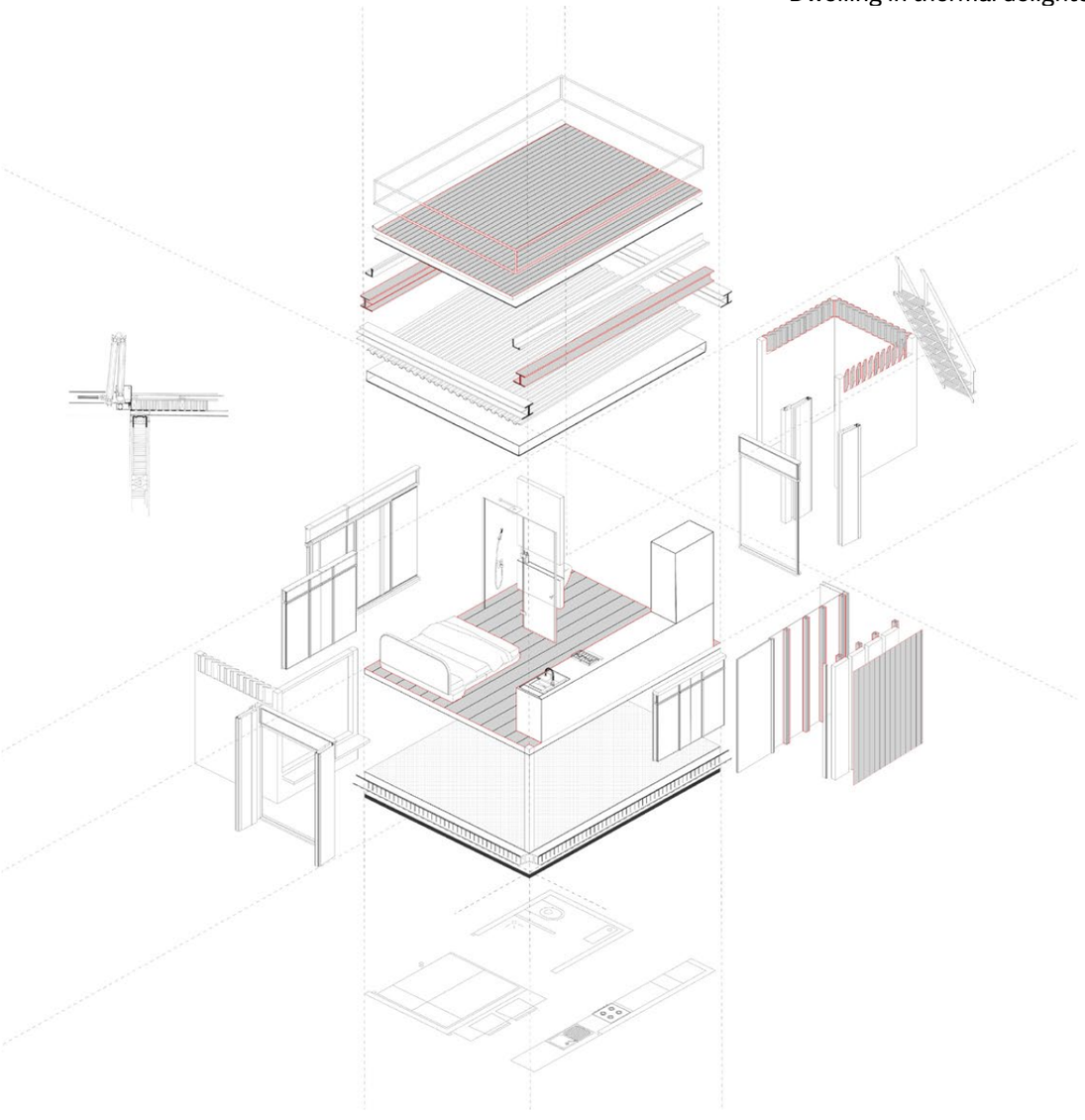
Set in Vienna's allotment garden districts, this project reimagines urban densification through climate-responsive living structures. Rather than replacing existing gardens, the proposal introduces an elevated, open framework that enhances airflow, supports seasonal comfort, and allows residents to adapt their spaces over time. Climatic simulations guided each design iteration, shaping the distribution of platforms, openings, and thermal zones.



The result is a lightweight, inhabitable scaffold that reacts to environmental conditions while preserving the character of the ground-level gardens.





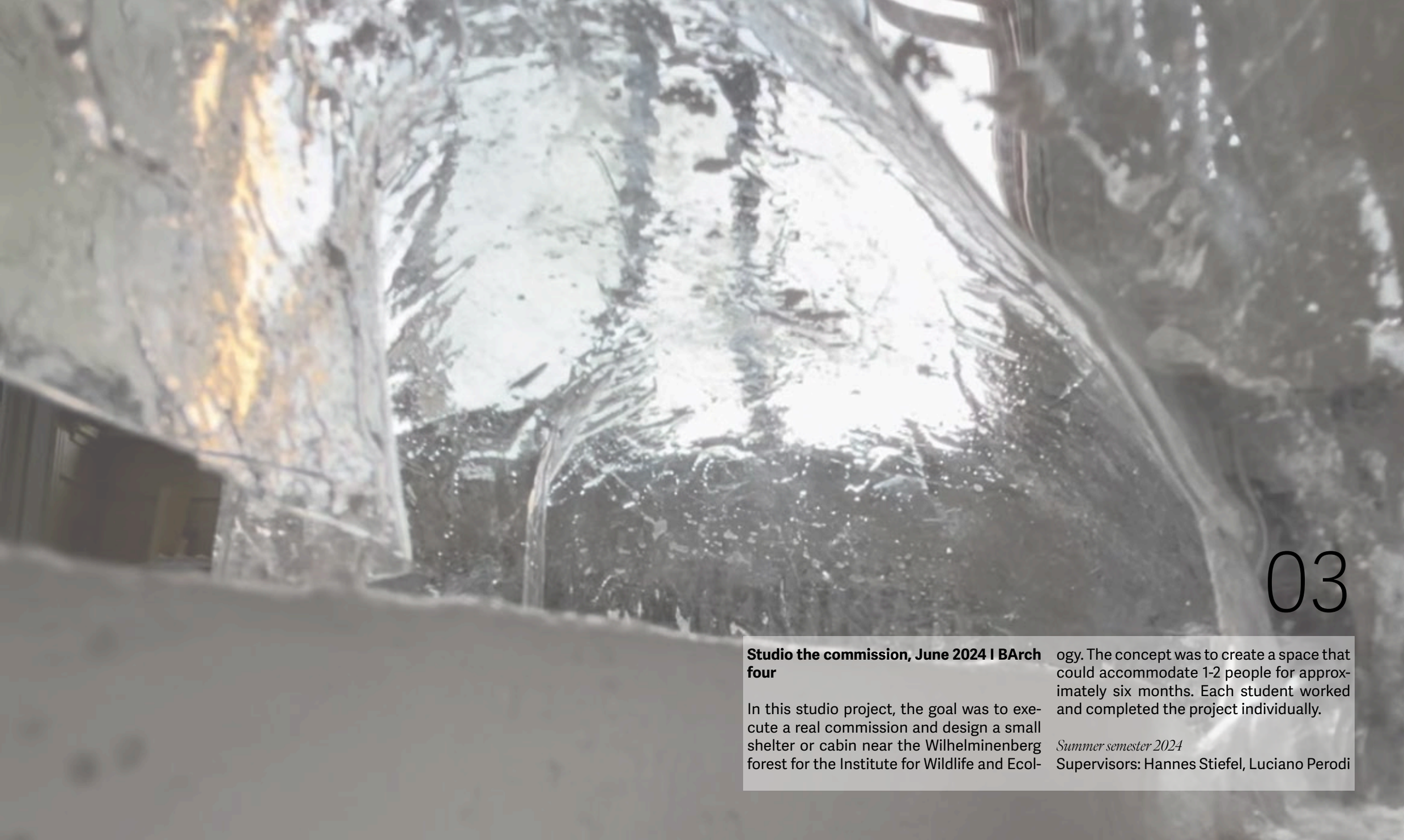


Since the aim is to increase the density of living space, two types of floor plans were developed, with which the individual platforms were arranged.

The openness and adaptability of the floor plan and the hierarchy of privacy were examined in detail and studied for a new way of living together in shared accommodation.







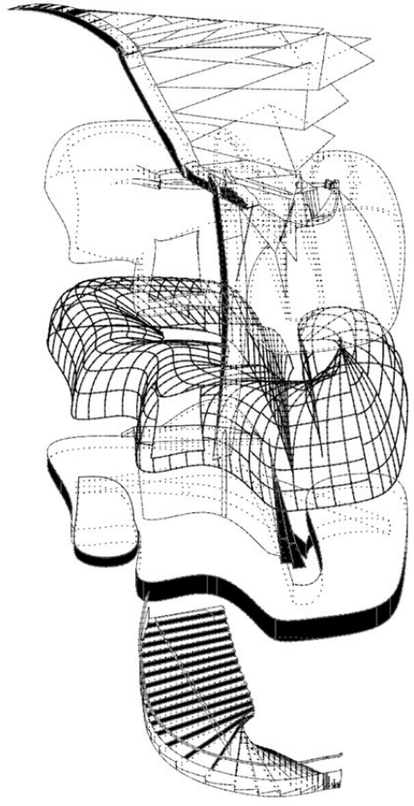
03

Studio the commission, June 2024 I BArch four

In this studio project, the goal was to execute a real commission and design a small shelter or cabin near the Wilhelminenberg forest for the Institute for Wildlife and Ecology. The concept was to create a space that could accommodate 1-2 people for approximately six months. Each student worked and completed the project individually.

Summer semester 2024
Supervisors: Hannes Stiefel, Luciano Perodi

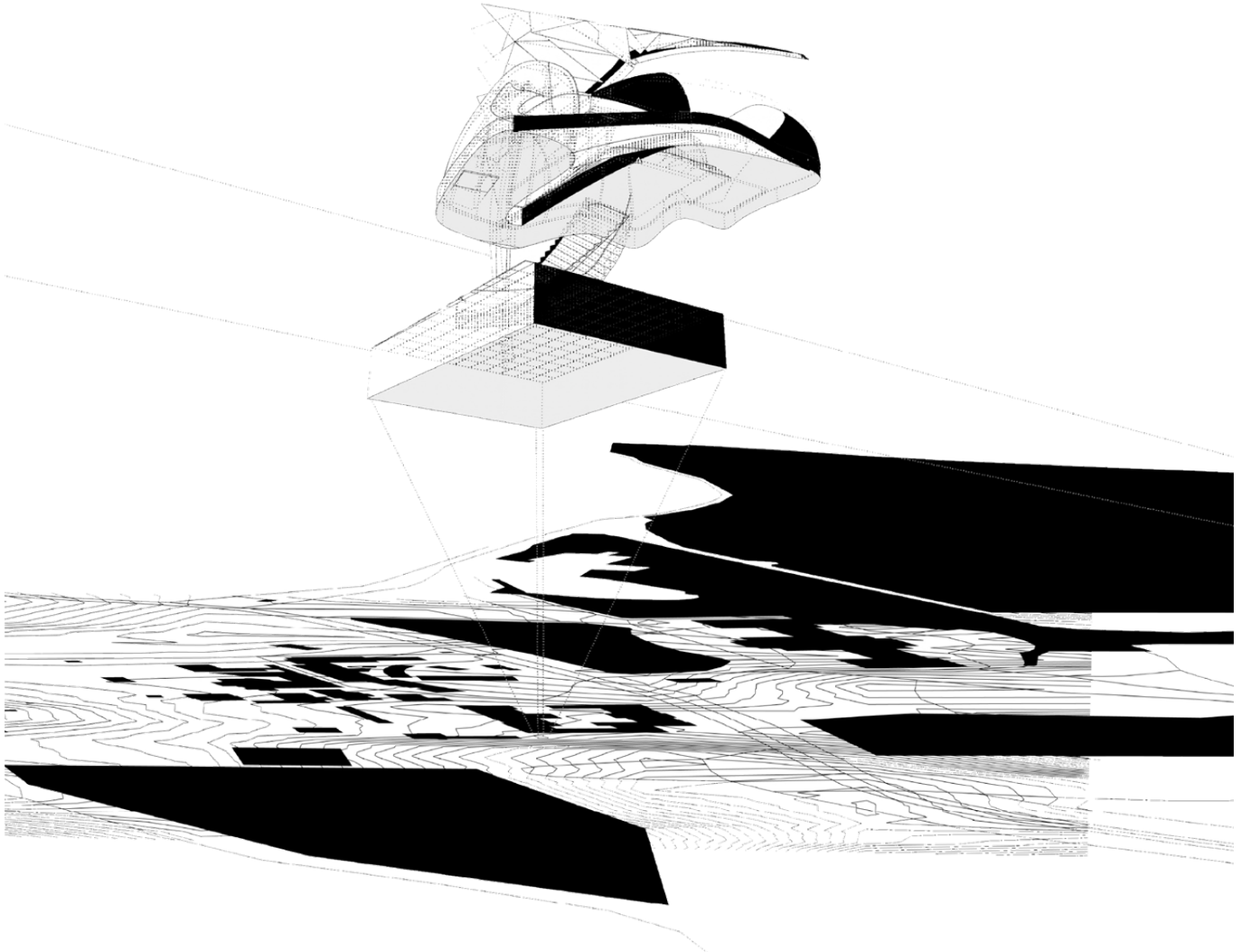
The Solar Sylvan Observatory is a small, elevated shelter designed for a forest edge near Wilhelminenberg. The structure responds to daily shifts of wind and sunlight through a roof system inspired by bird wings, equipped with movable slats powered by solar energy.











Conceived as a temporary dwelling for one or two people, it offers an adaptable, immersive experience of the surrounding forest. The design focuses on lightweight construction, ecological responsiveness, and the relationship between domestic space and nature.

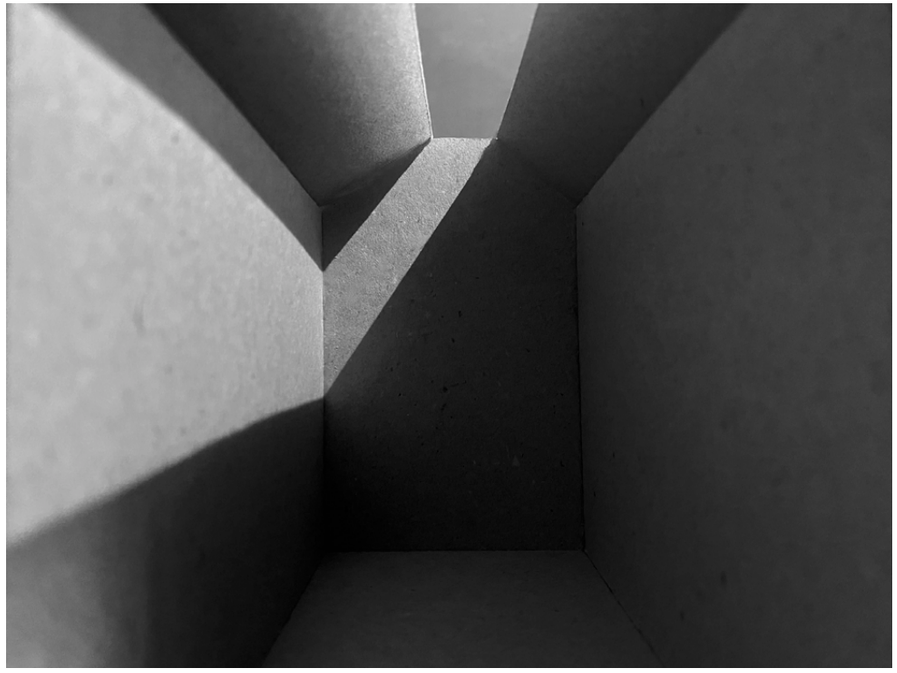


04

StudioL, October 2023 I BArch three

In cooperation with the University of Stuttgart in Germany, a yoga studio was designed with a strong focus on the perception of light and shadow within the building. Through organically curved roof structures and carefully placed openings, interior spatial conditions were created that aim to generate a warm and calming atmosphere. Particular attention was given to physical model-making and the experiential quality of the interior spaces.
The design process explored how natural light can shape movement, mood, and orientation throughout the day. Various material studies were carried out to understand how textures and surfaces respond to changing daylight. In addition, different spatial sequences were tested to encourage a smooth transition between relaxation, meditation, and physical practice.

Winter semester 2023
Supervisors: Sonja Nagel, Levin Koch



Model construction of Studio L, scale 1:20



Lichtstudie |



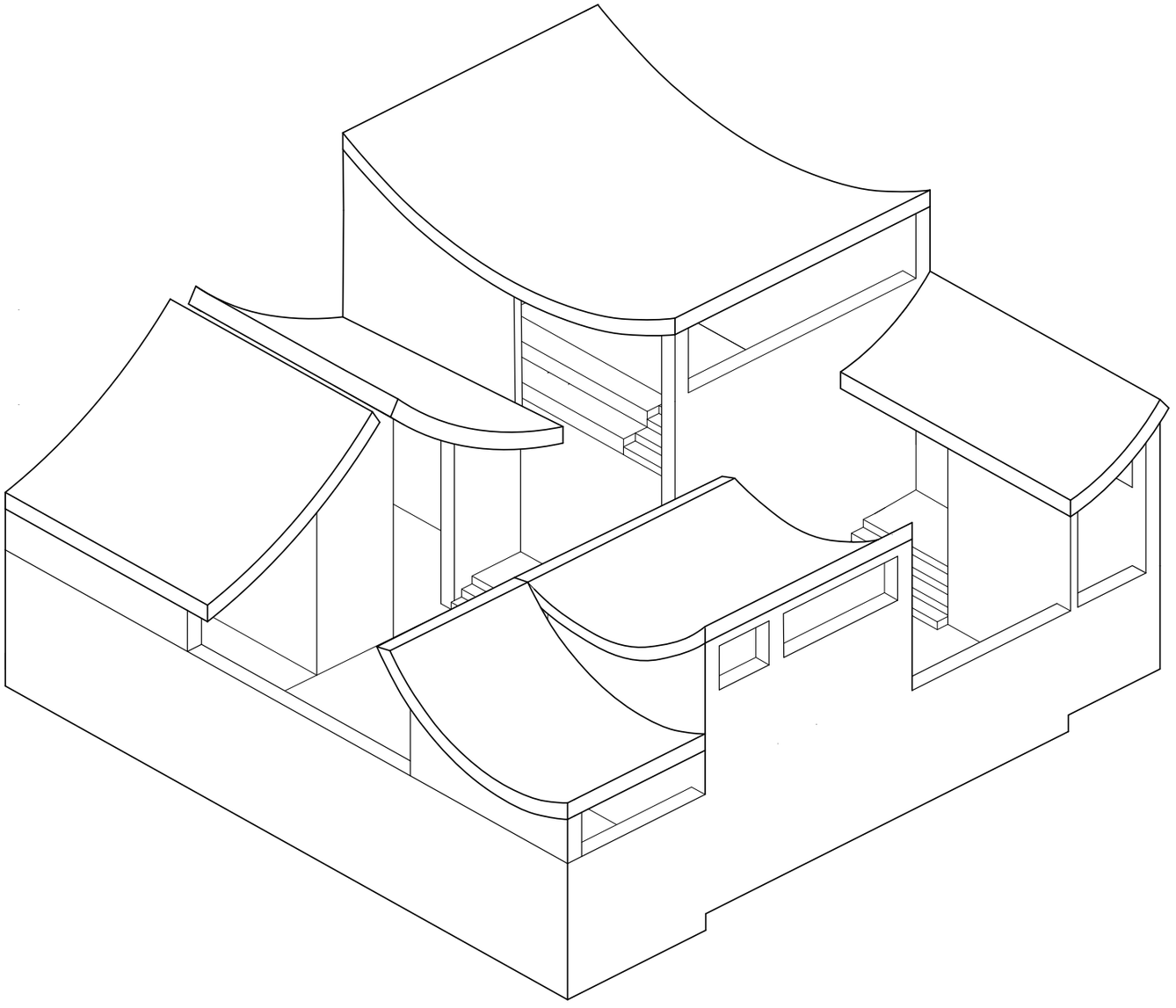
Lichtstudie ||

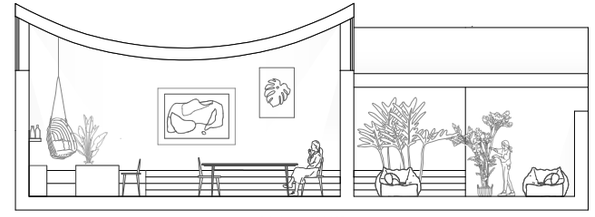


Lichtstudie |||

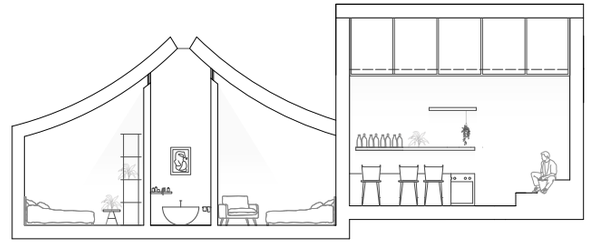


Lichtstudie IV

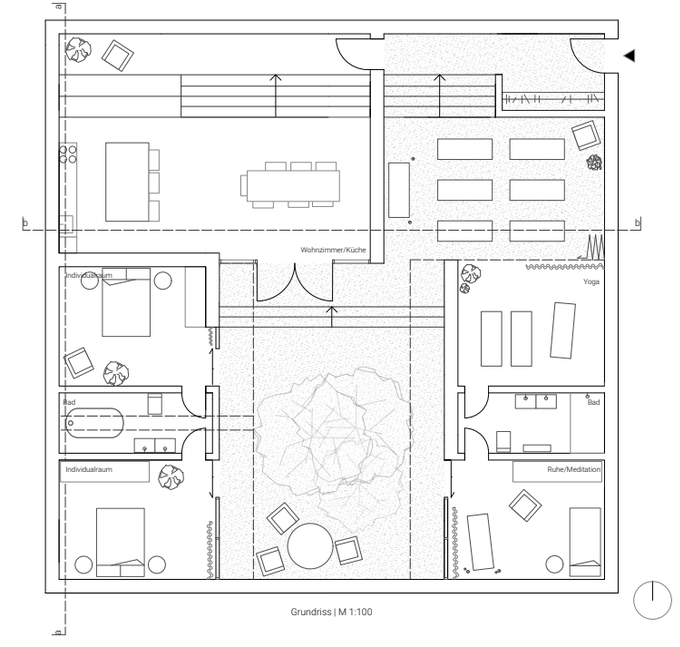




Schnitt a-a | M 1:100



Schnitt b-b | M 1:100



Grundriss | M 1:100

Studio L investigates how light and shadow define interior atmosphere. A series of curved roof structures create warm, shifting light conditions throughout the day, while the compact plan remains rational and clear. Physical model studies played a central role in testing material behaviour and spatial transitions between meditation, movement, and stillness.



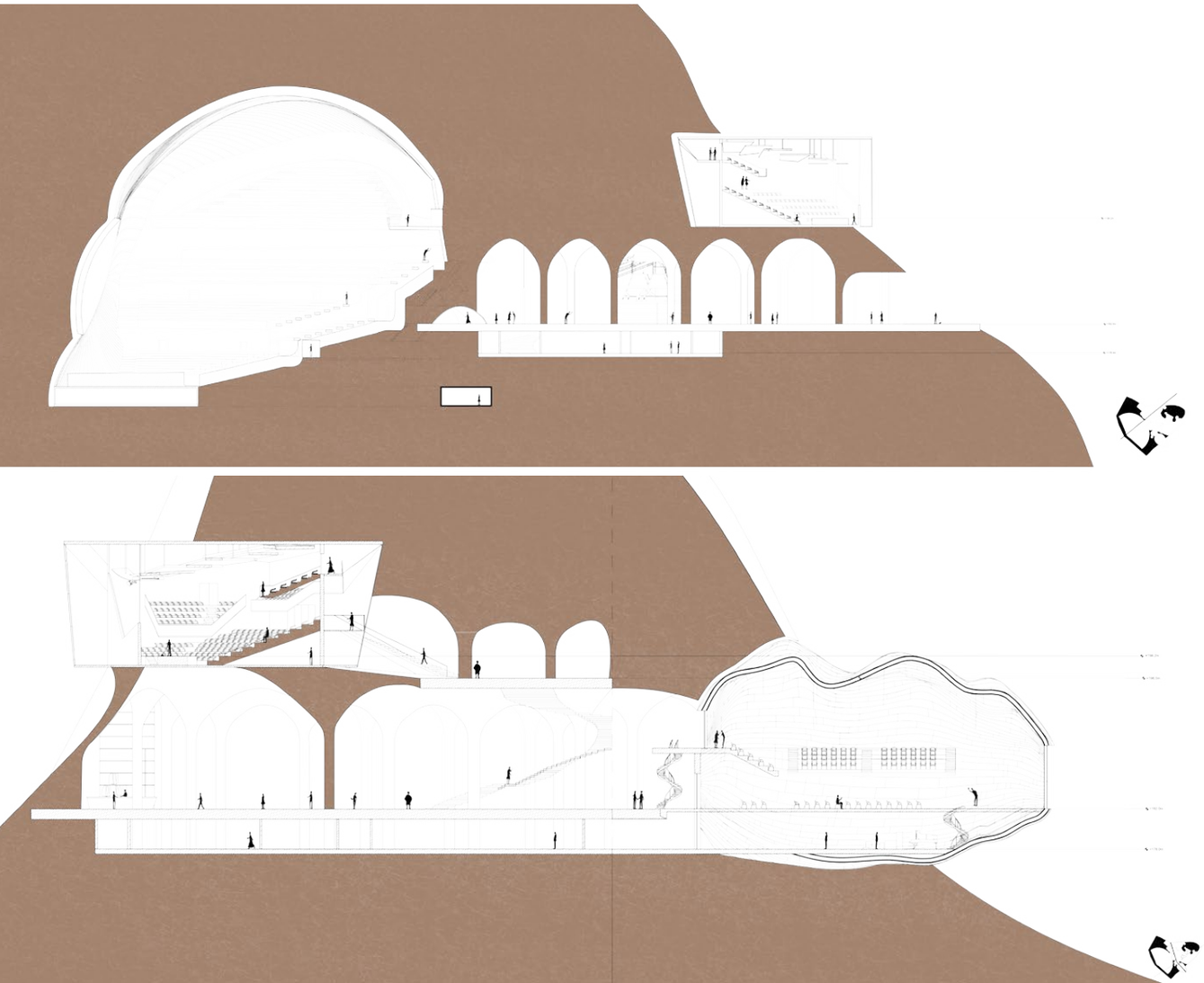
05

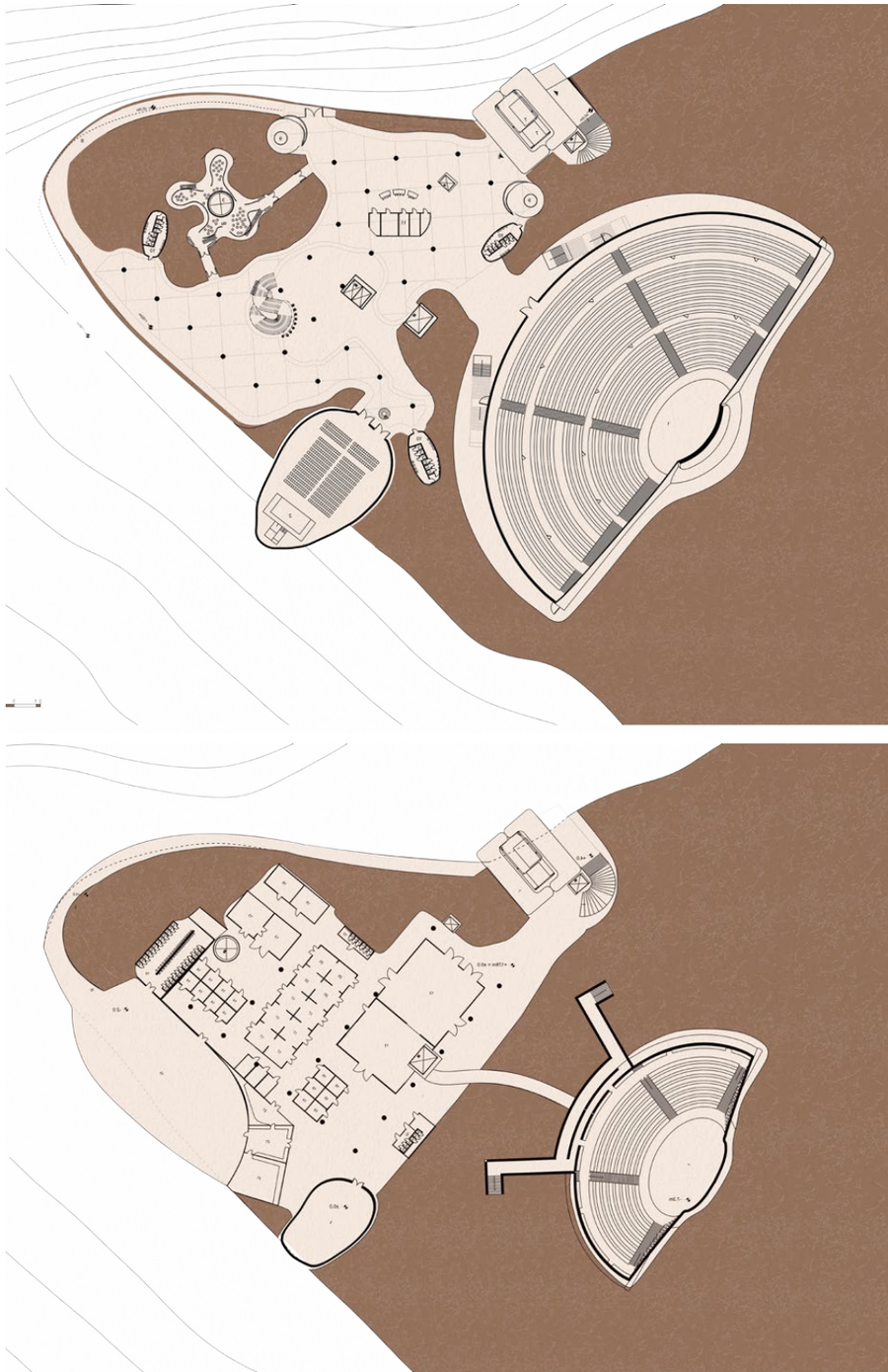
Studio Notes on Concert Halls, June 2023 I BArch two

The design concept for a concert hall at Horseshoe Bend in Arizona encompasses five concert halls, complemented by lounges and recording studios for artists. Working in groups of five individuals each, we collaborated on this project, which rises over 182 meters above sea level and is nestled into the natural formation of a rock. The inspiration for this underground construction arose from an exchange with artificial intelligence, which outlined potential future scenarios for urban development. Faced with increasing challenges of heat and drought, we decided to construct the concert hall underground using sandstone. This not only provides natural climate control for the surroundings but also offers acoustic benefits that enhance the artistic experience. Our concept combines innovation and sustainability by not only creating a cultural hub but also contributing to environmental conservation while preserving the unique beauty of Arizona's landscape.

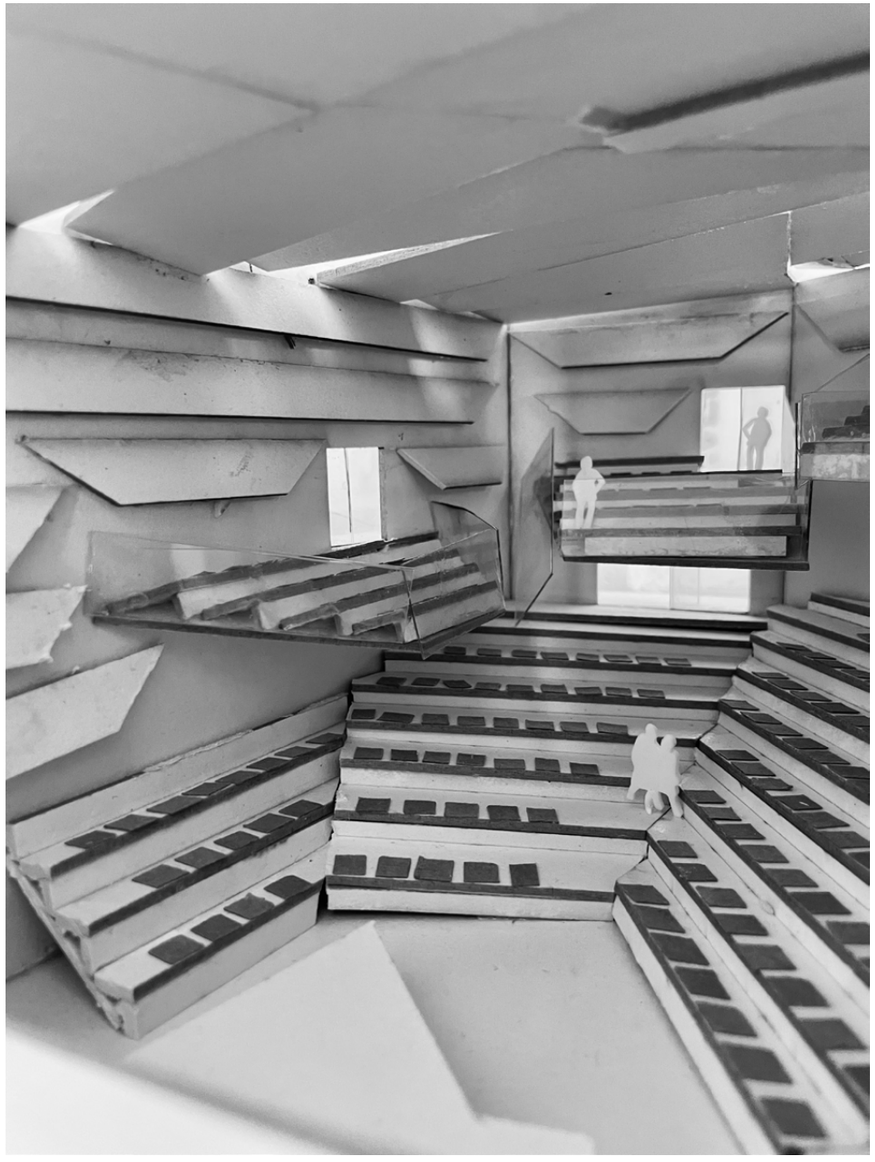
Summer semester 2023
Supervisors: Wolfgang Tschapeller,
Valerie Messini

This project proposes an underground concert complex carved into the sandstone formations of Horseshoe Bend, Arizona. In response to extreme heat and drought, the halls are embedded in the rock for natural cooling and acoustic enhancement.

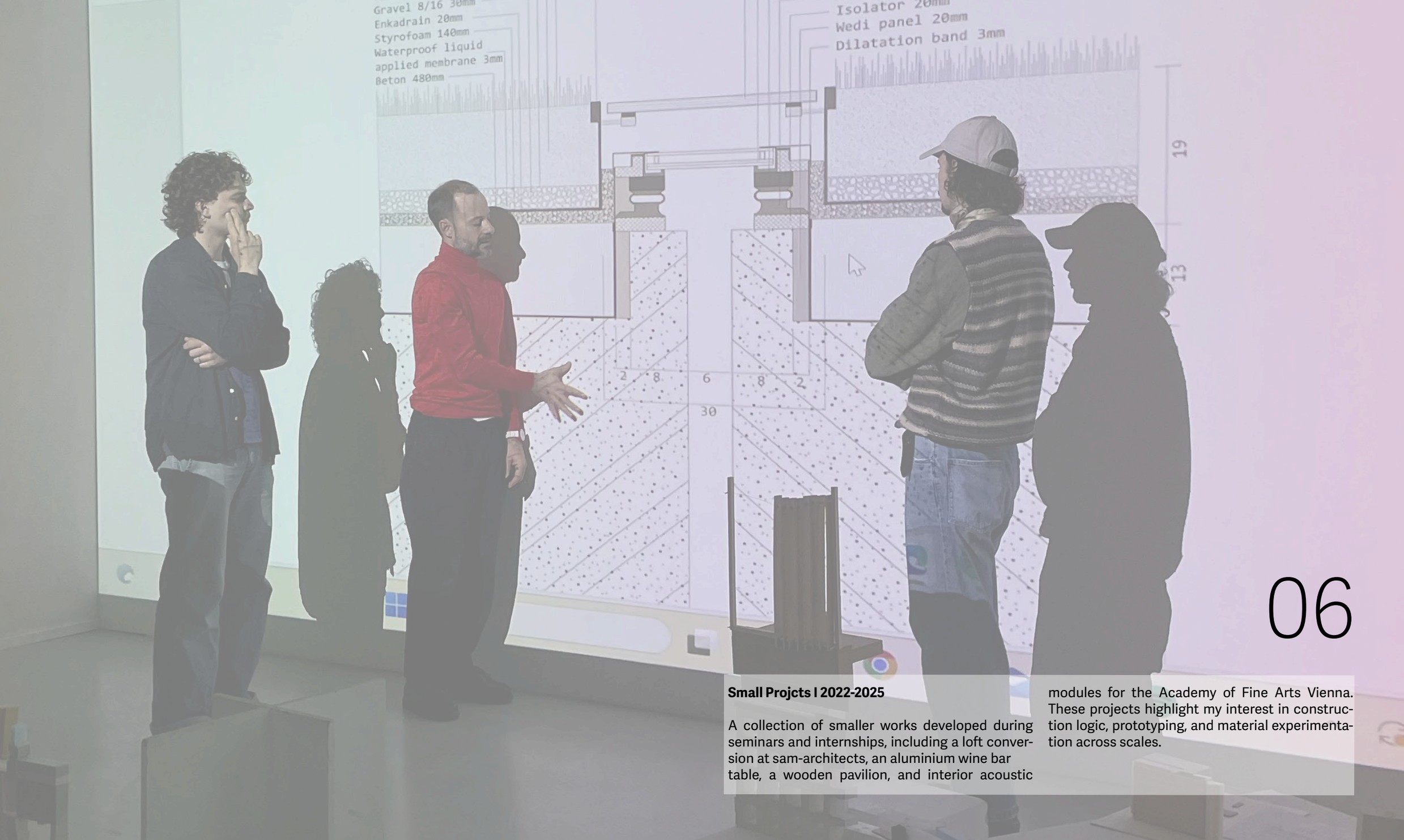








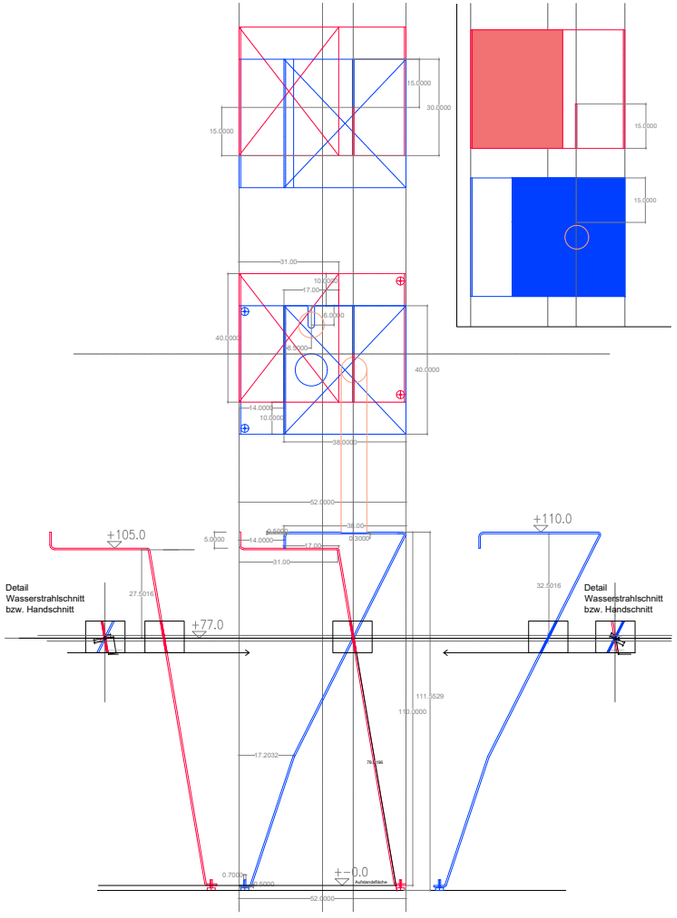
Developed collaboratively, the design explores monumentality, landscape integration, and the atmospheric qualities of subterranean space. Model-making and sectional studies were key tools in shaping the spatial identity of the project.



06

Small Projcts I 2022-2025

A collection of smaller works developed during seminars and internships, including a loft conversion at sam-architects, an aluminium wine bar table, a wooden pavilion, and interior acoustic modules for the Academy of Fine Arts Vienna. These projects highlight my interest in construction logic, prototyping, and material experimentation across scales.





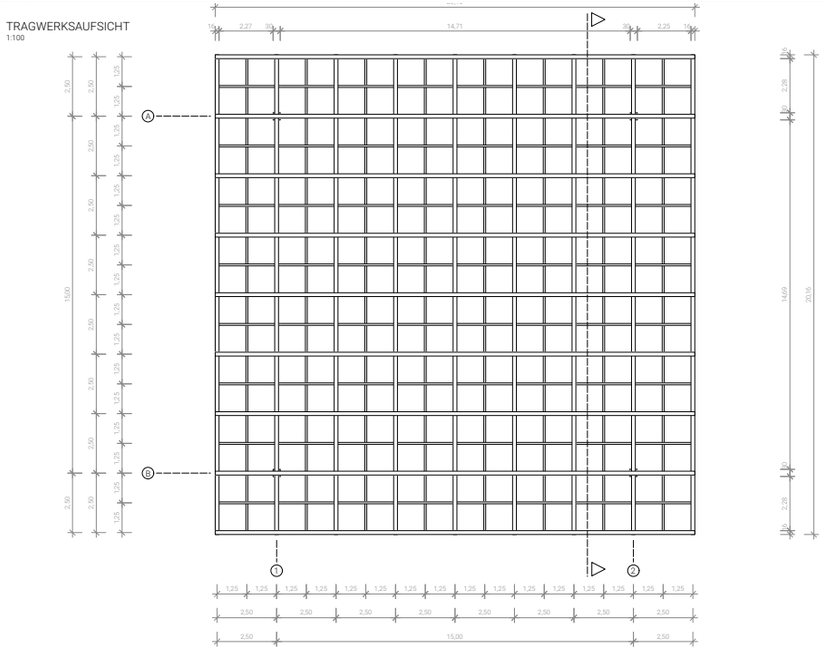


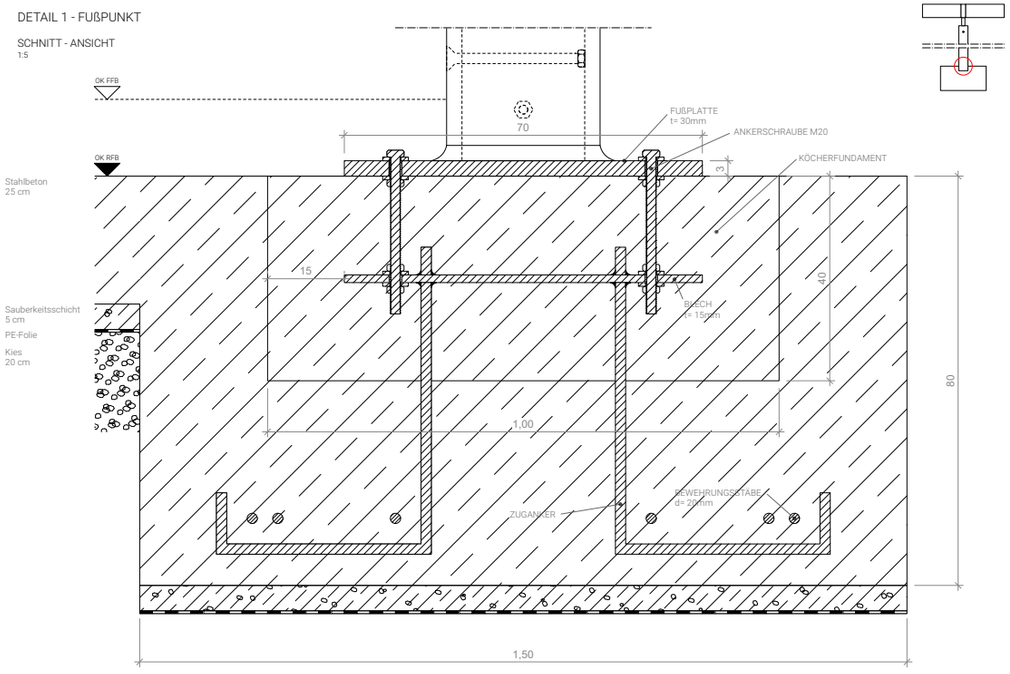


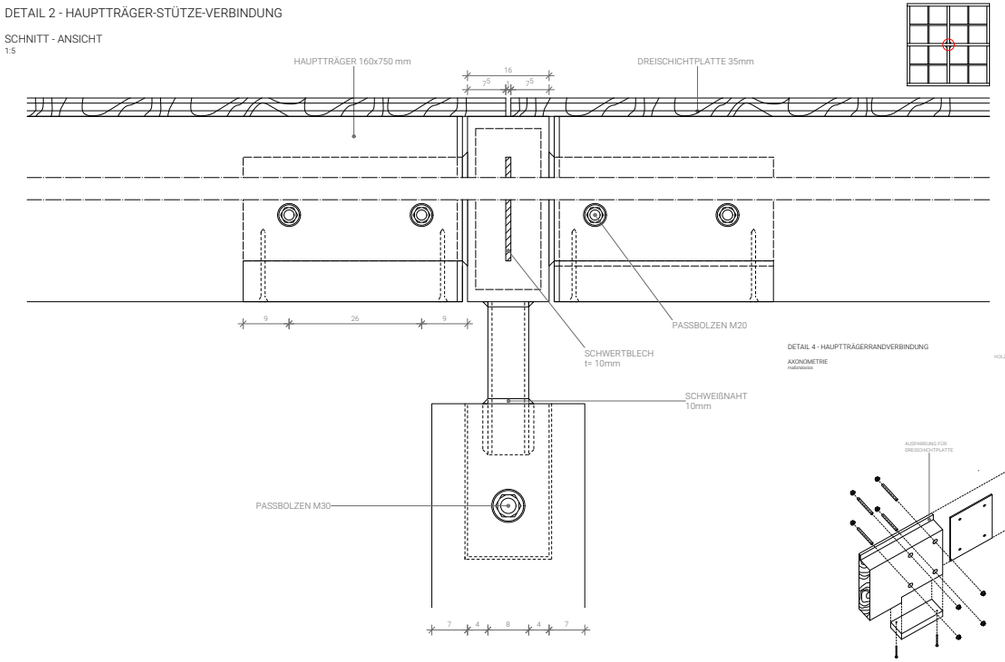
Wine bar table - *sam architects*, July 2024

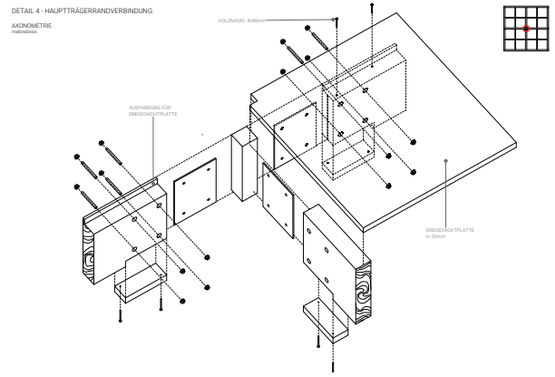
At *sam architects*, I designed the construction plan and helped with the design of an aluminum wine bar table, which was then produced.





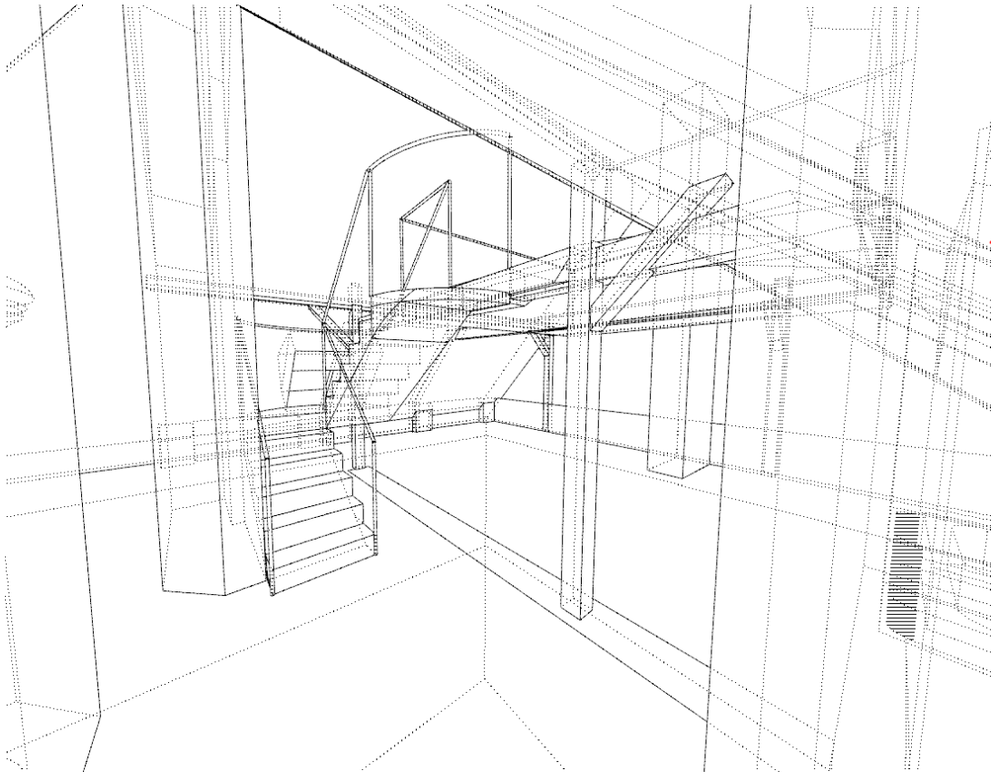




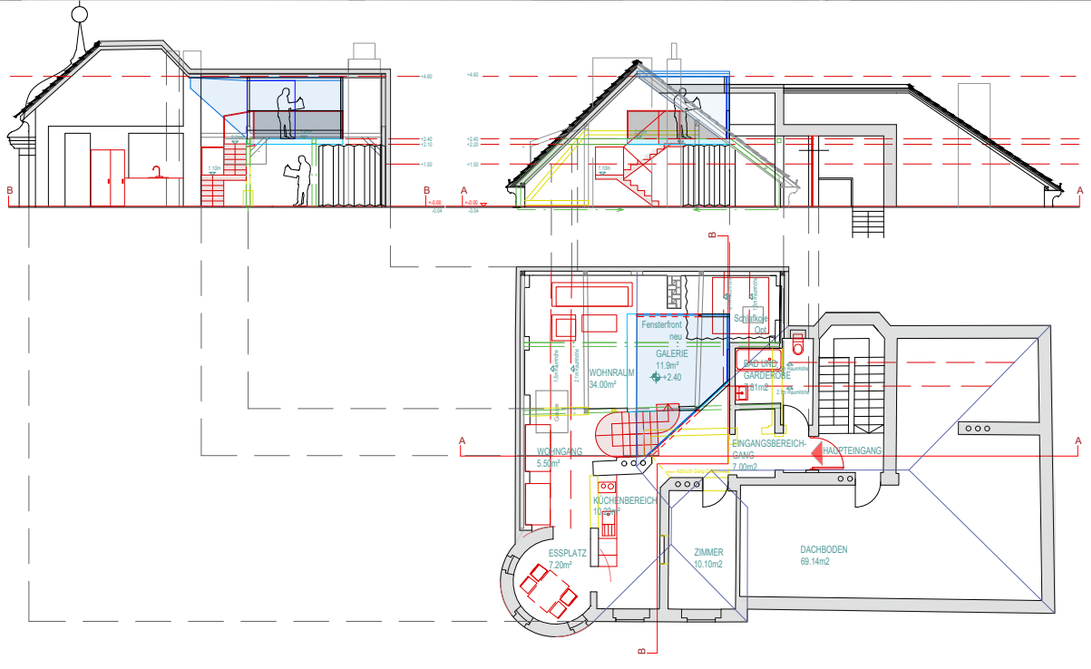


Seminarproject building construction, June 2025

In this seminar, a wooden pavilion was developed and detailed through precise constructive drawings. Various types of structural connections and foundation systems were studied and examined in depth to understand their technical and spatial implications.







Loft conversion - *sam architects*, October 2024

I had the opportunity to lead the transformation of an unused attic into a fully functional and thoughtfully designed living unit. I was responsible for both the architectural concept and the drawings of the renovation, which was planned at sam-architects.