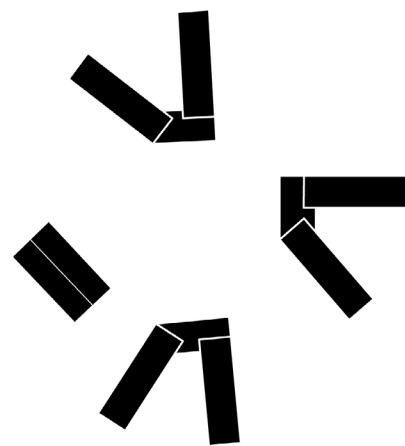


Diploma

"Residential pilot on Dystlandhaugen"

Edward G.W. Nesse



A group of houses on a farm in Nes.
A detailed architectural study
within an environmental perspective.



- FRAMEWORK
- CONCEPT
- PROCESS
- FINAL PROJECT

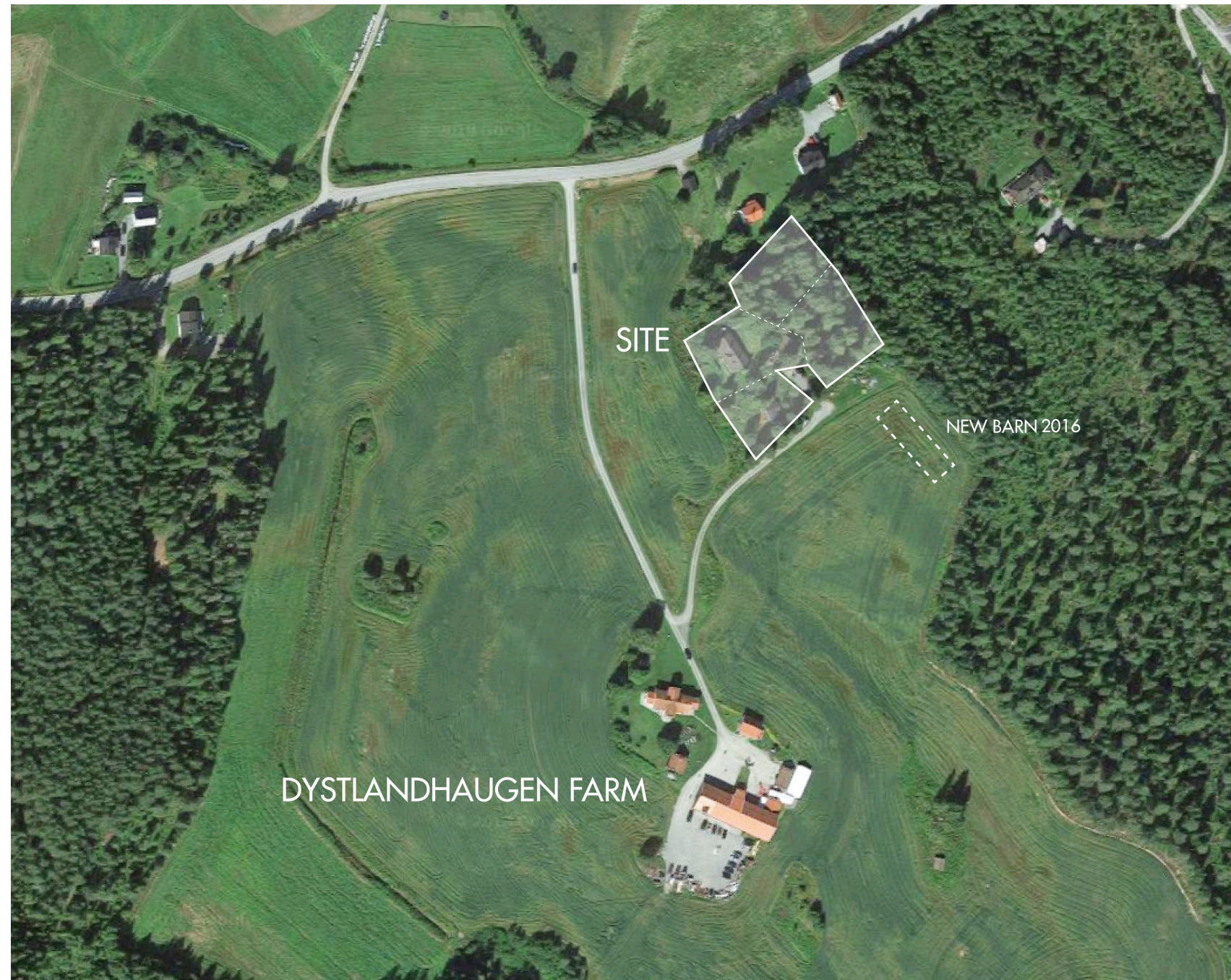
FRAMEWORK FOR THE DIPLOMA PROJECT



- Based on a student project that I carried out in a master studio in the fall semester of 2016.
- The task is a new study based on a new and extended set of framework conditions.

CONTEXT

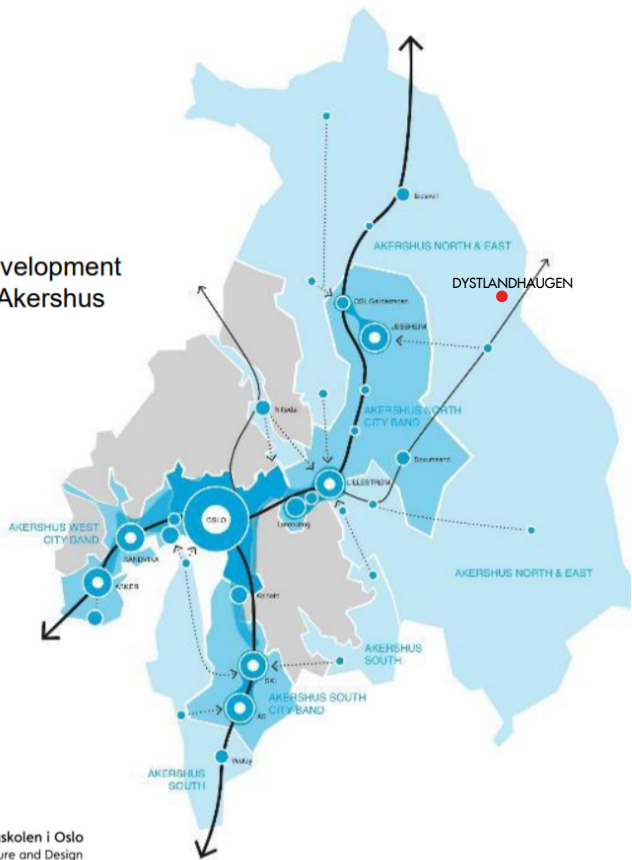
Place



- Dystlandhaugen is a farm in Nes, Akershus with ambitions.
- A new barn designed and built by students at AHO was completed in June 2016
- Farm land owner intends to build 3 to 4 detached dwellings (to-mannsboliger) on four adjacent plots to the barn - As a continuation of the "urban farming" concept

FRAMEWORK FOR THE DIPLOMA PROJECT

Projected urban development
2015-2030 Oslo & Akershus



Projected urban development 2015 - 2030 Oslo & Akershus

OSLO - DYSTLANDHAUGEN:

64 km, 1 hour drive

OSLO AIRPORT GARDERMOEN - DYSTLANDHAUGEN:

37 km, 30 minutes drive

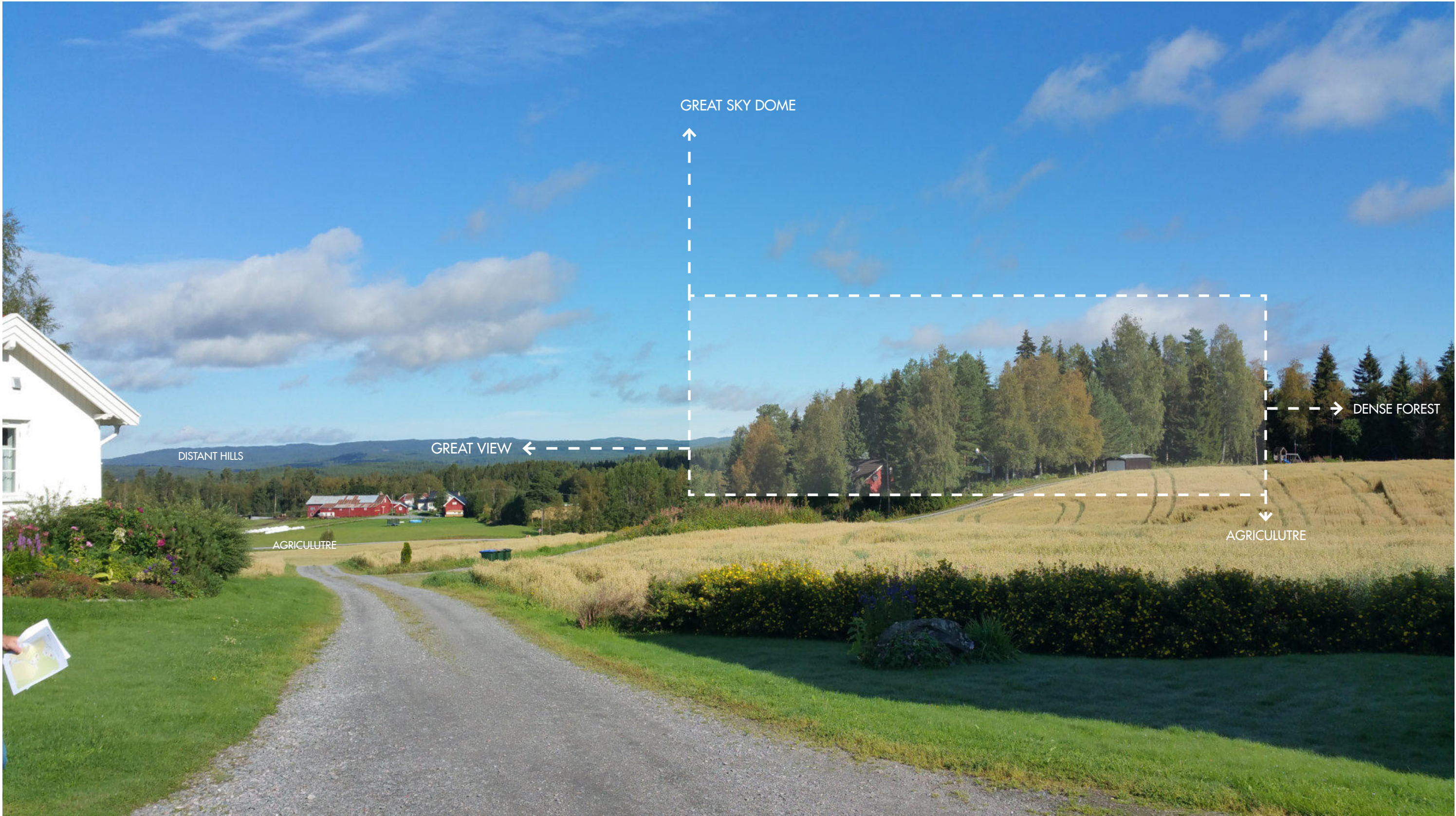
NORDISK MASSIVTRE - DYSTLANDHAUGEN:
(Local producer of cross laminated timber elements)

27 km, 20 minutes drive

LOCAL CLT PRODUCER

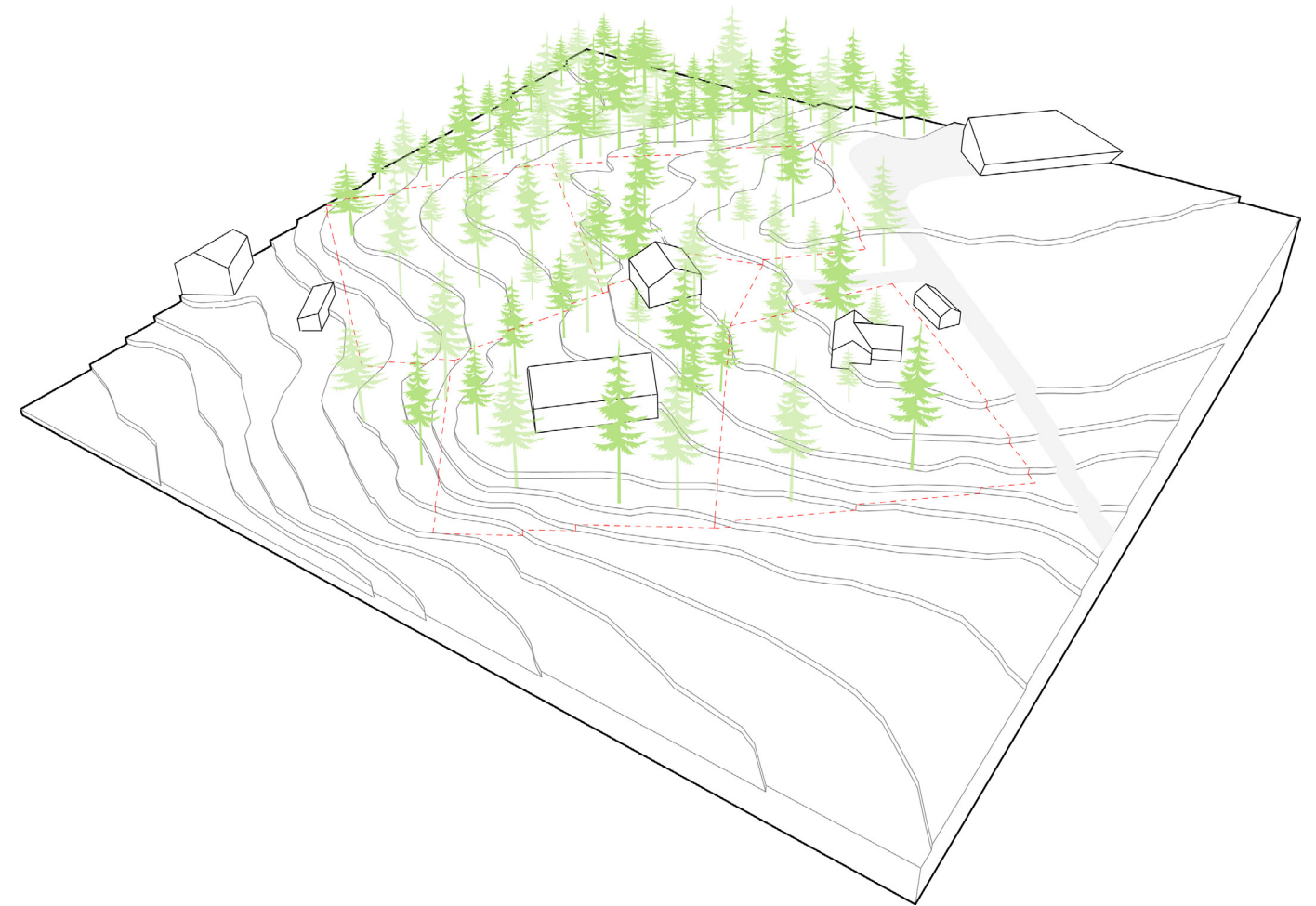
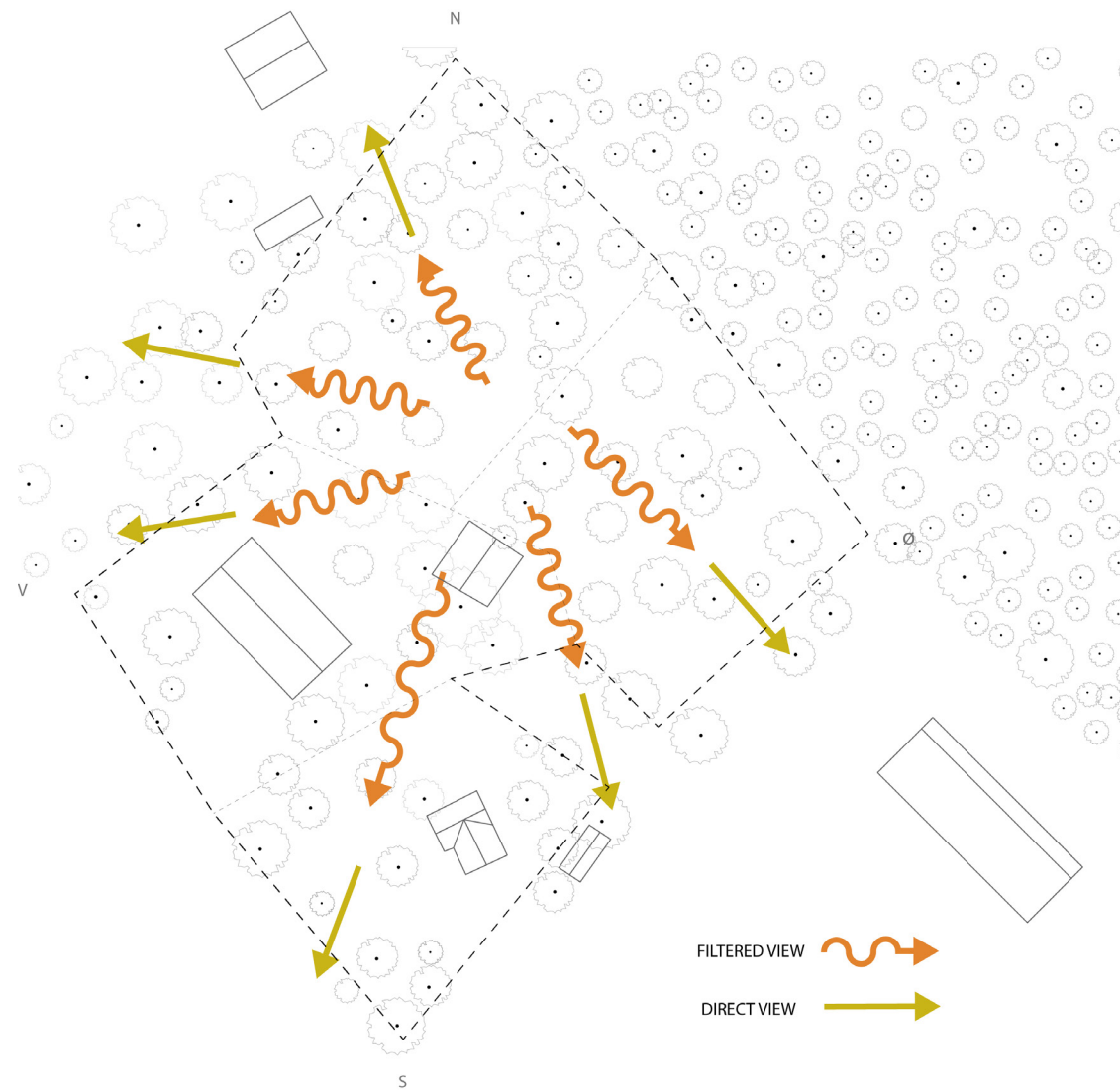
CONTEXT

Site - analysis



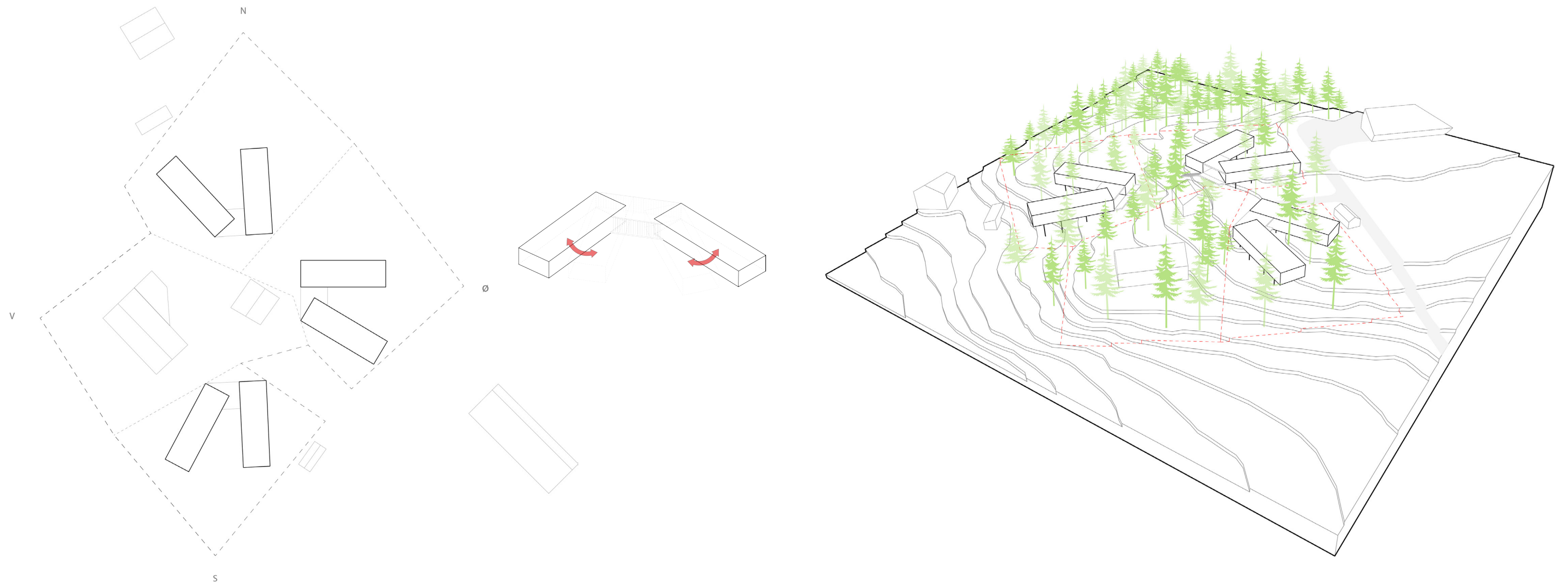
CONCEPT

Intimacy vs. openness



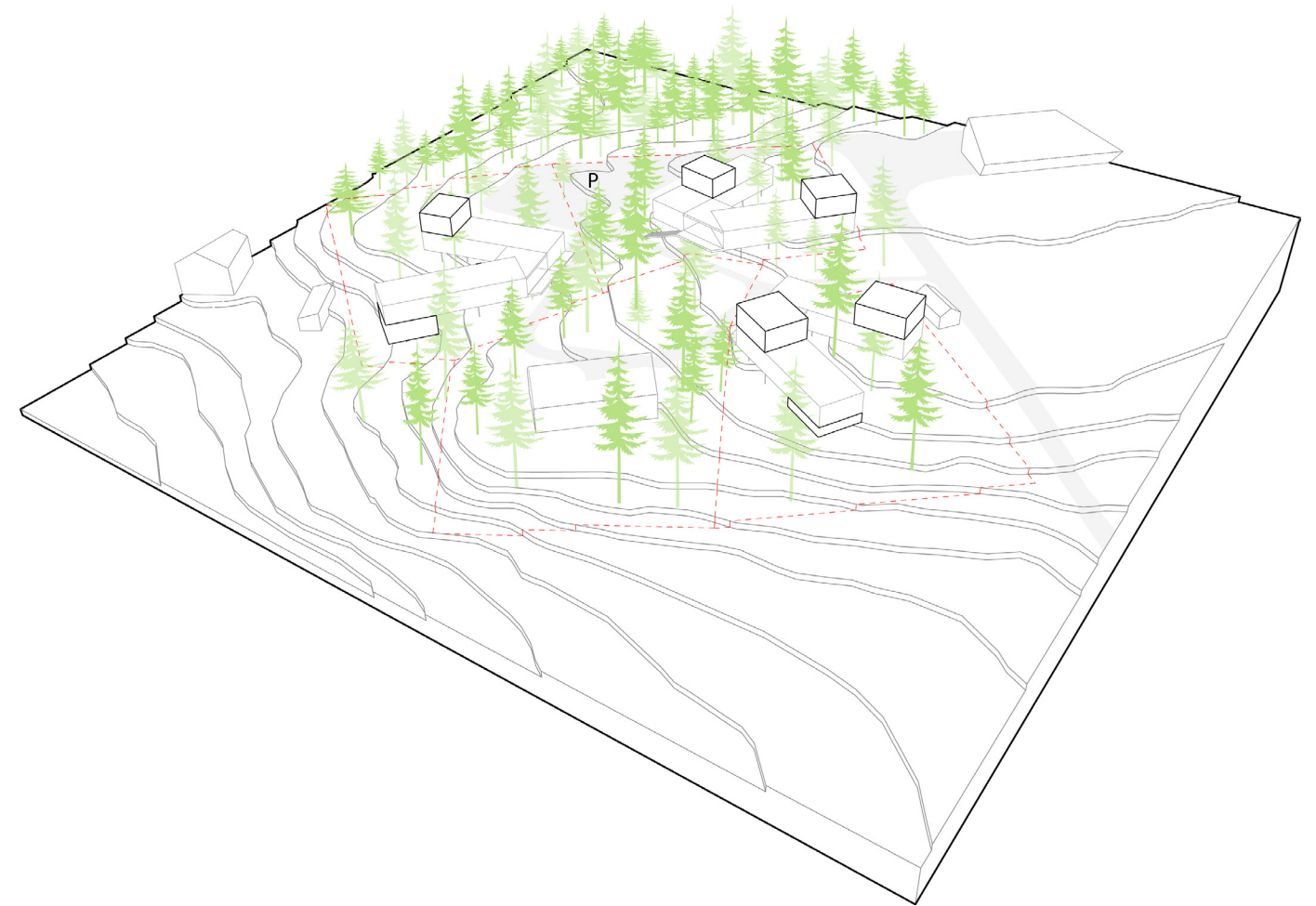
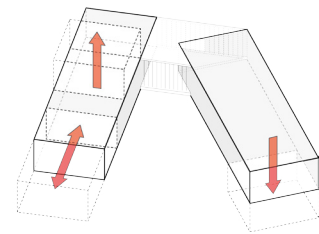
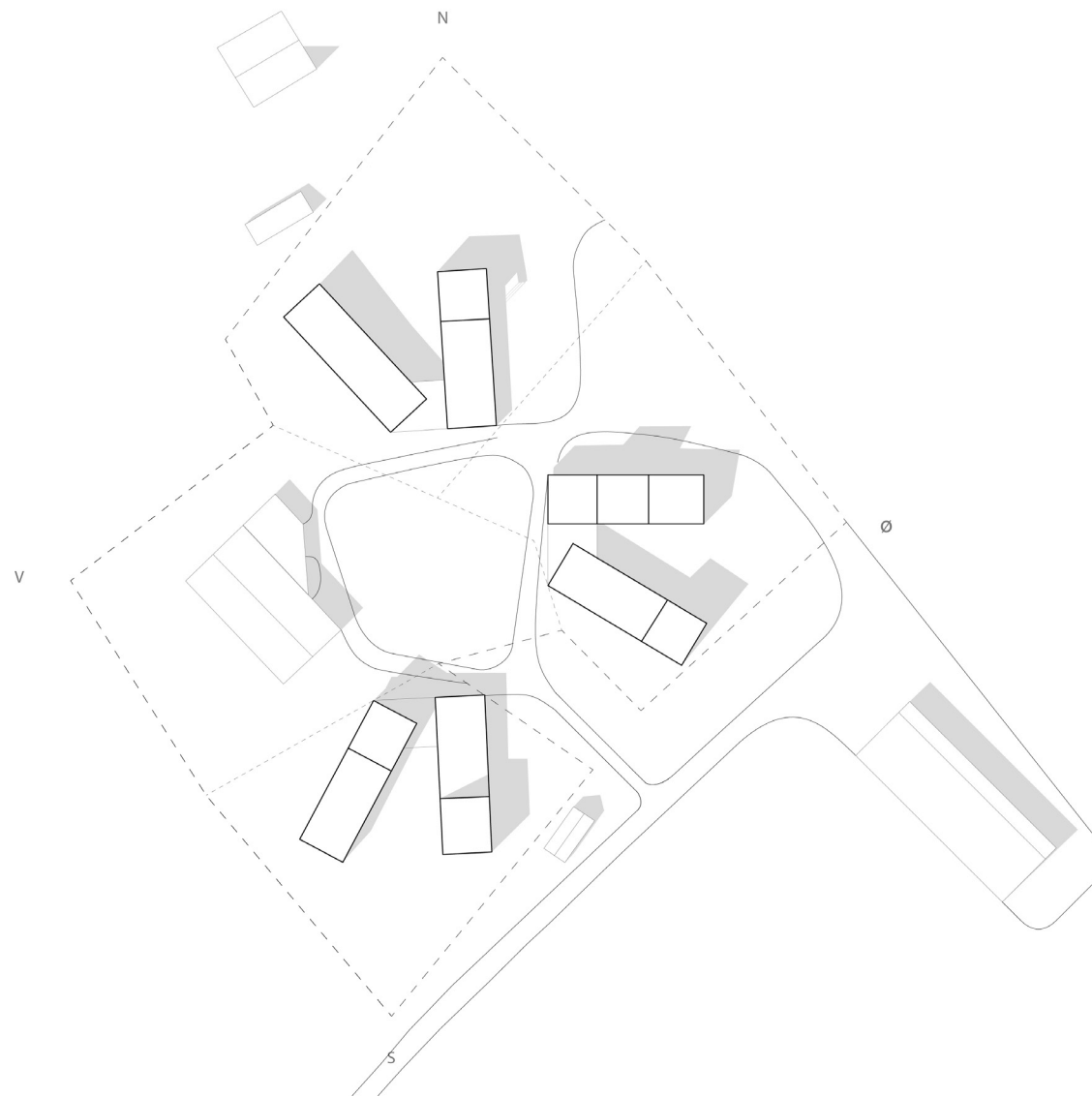
CONCEPT

Flexible volumes



CONCEPT

Adaptation



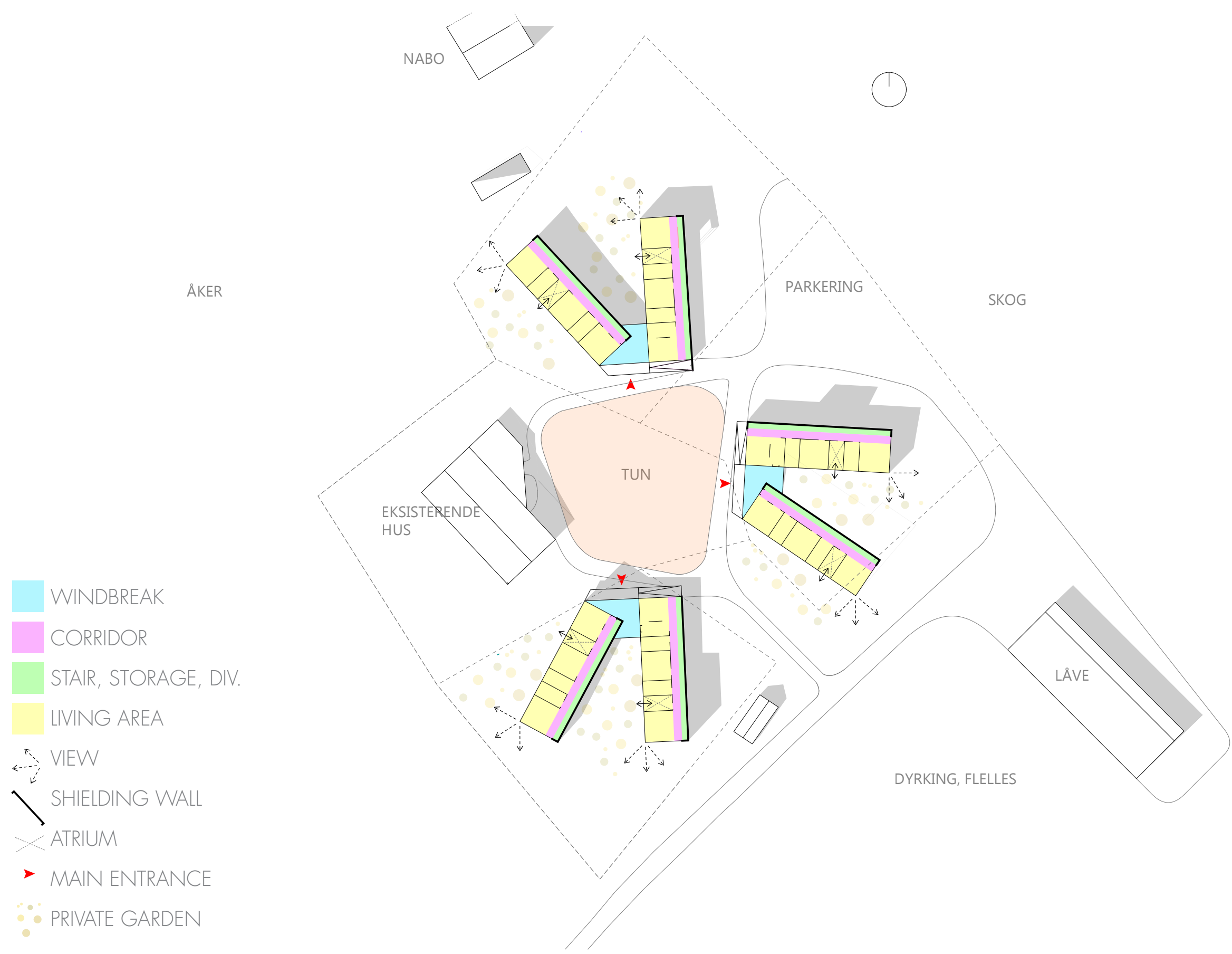
CONCEPT

Sketch of inner "tun" with access road and platform



CONCEPT

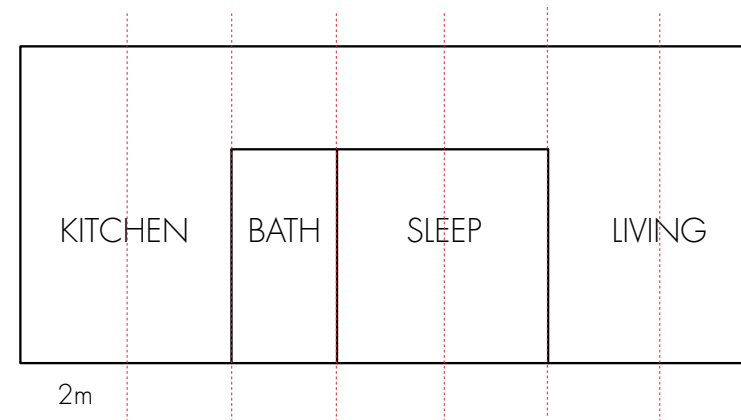
Site concept



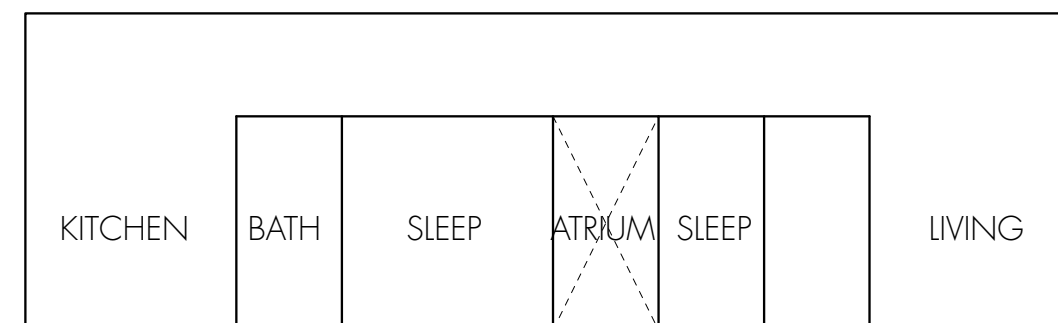
CONCEPT

- Ability to adapt to different users and their needs over time.

Basic module



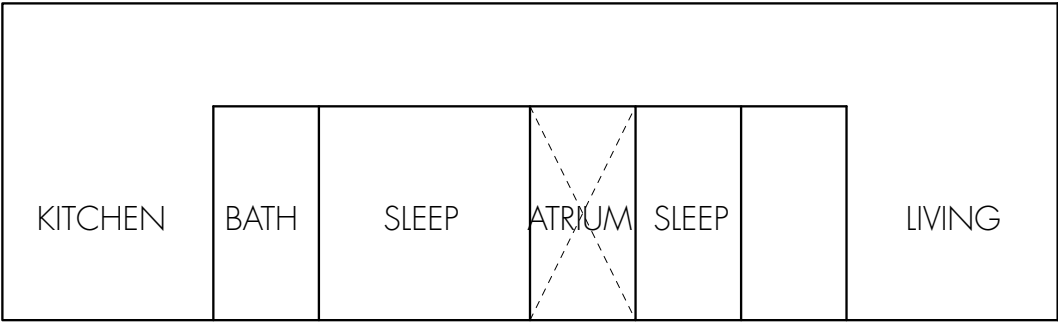
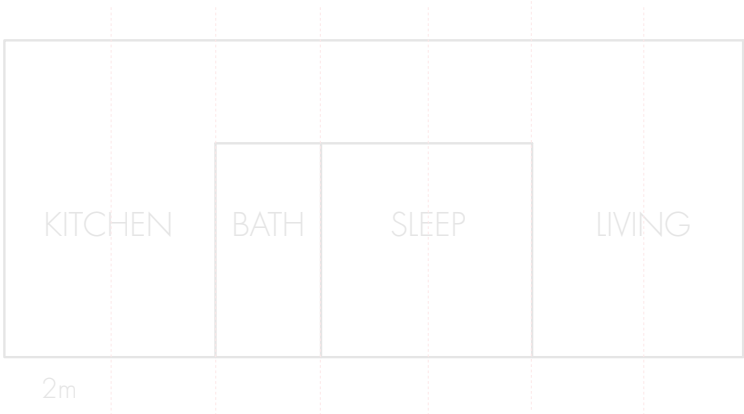
Extension



CONCEPT

- Ability to adapt to different users and their needs over time.

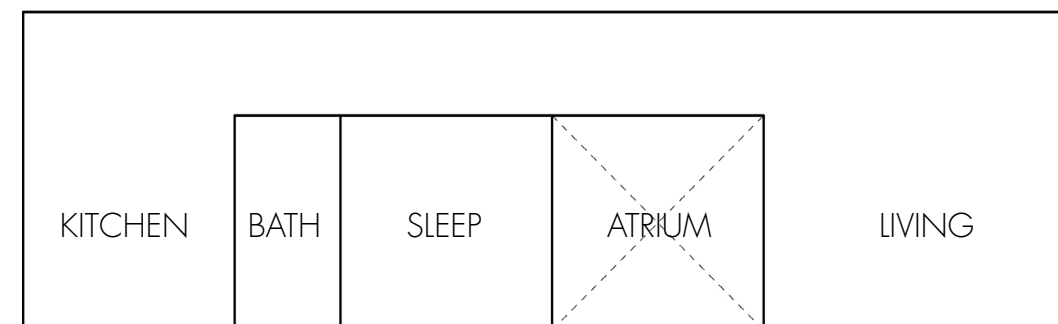
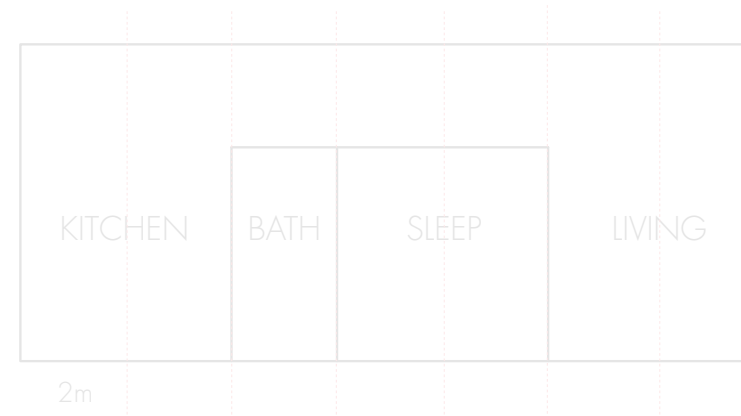
Basic module



CONCEPT

- Ability to adapt to different users and their needs over time.

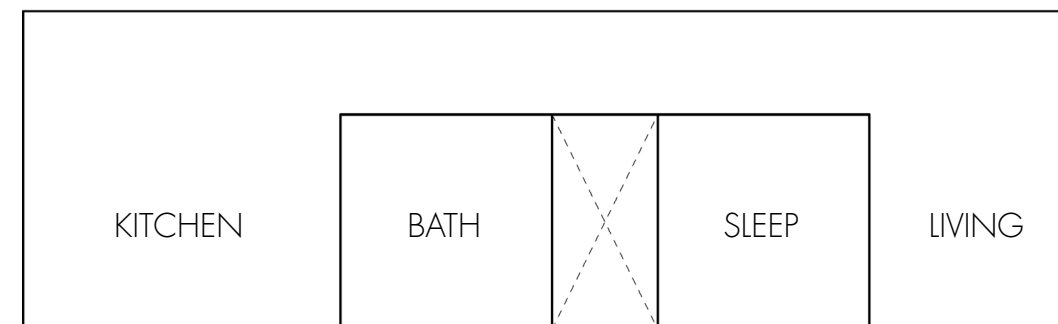
Basic module



CONCEPT

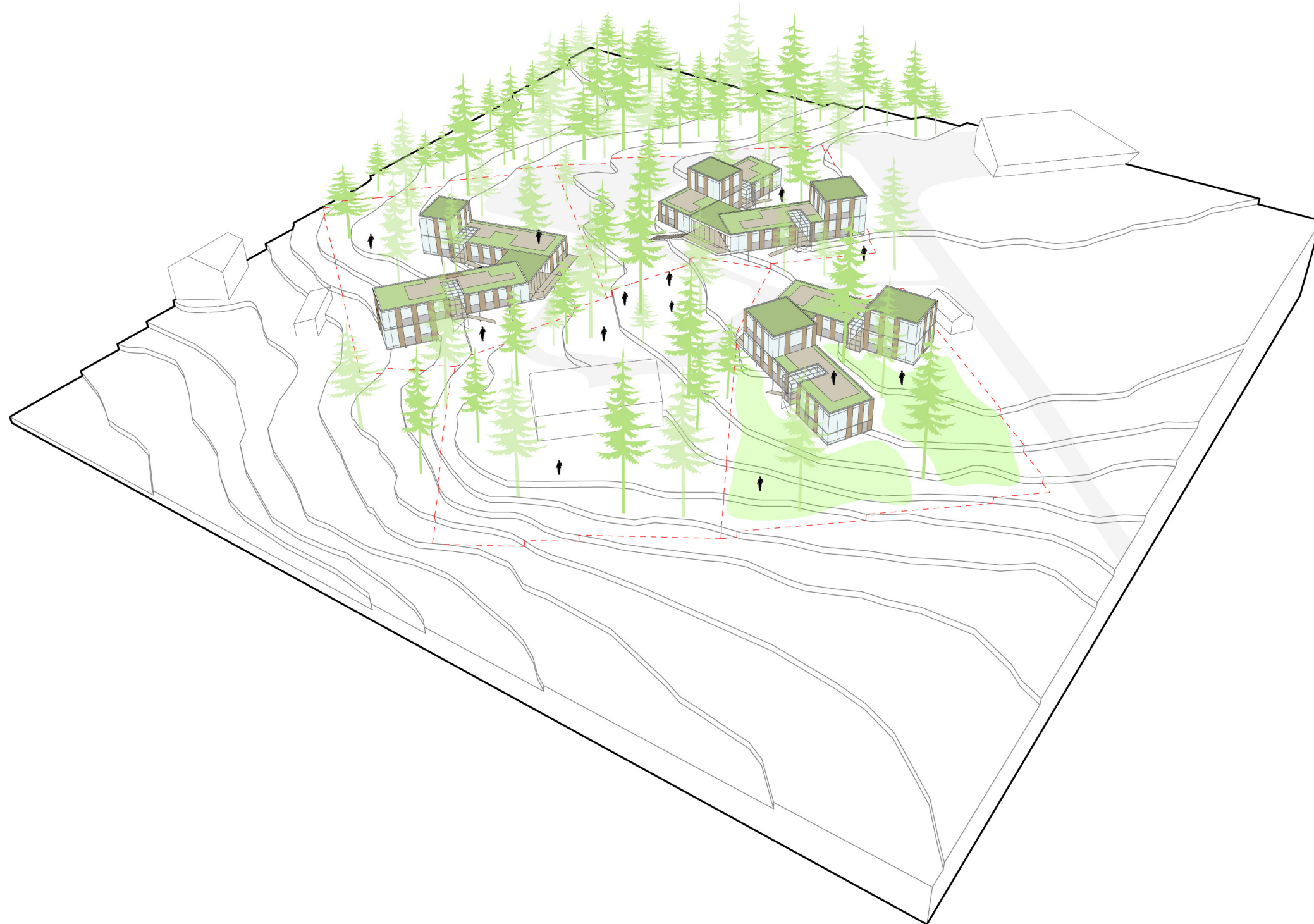
- Ability to adapt to different users and their needs over time.

Basic module



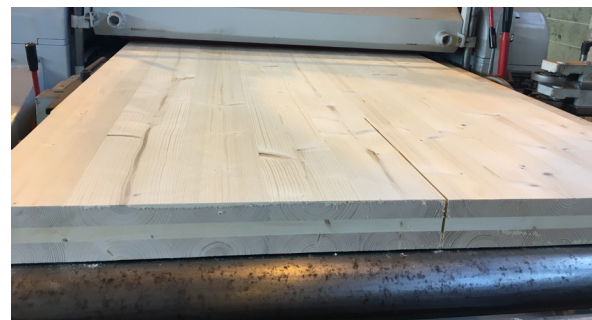
CONCEPT

Varied outdoor spaces

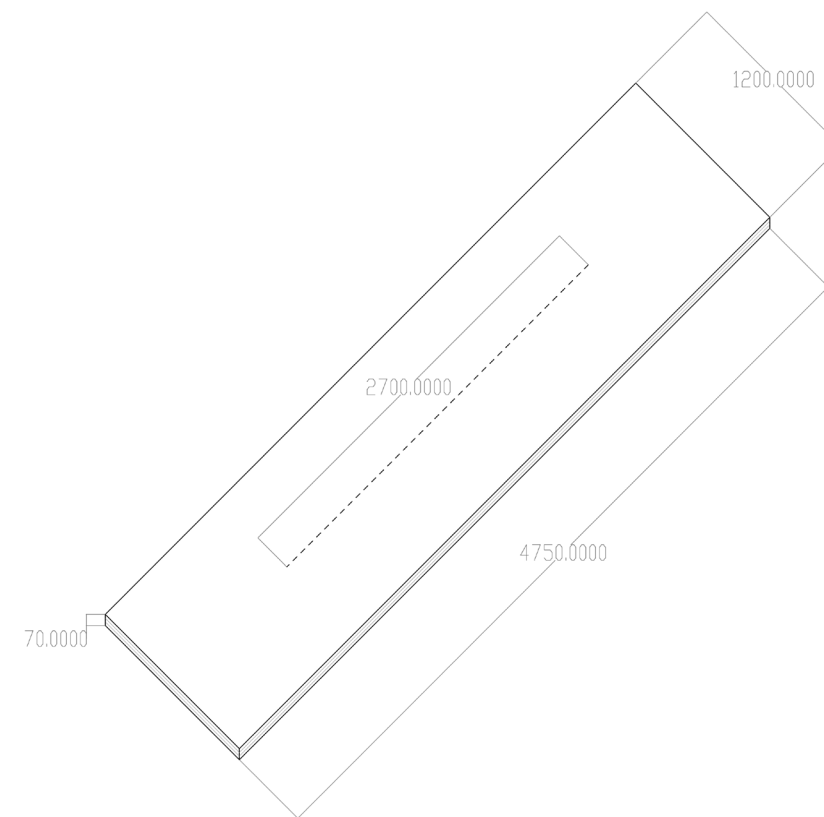


PROCESS

Visit to Nordisk Massivtre

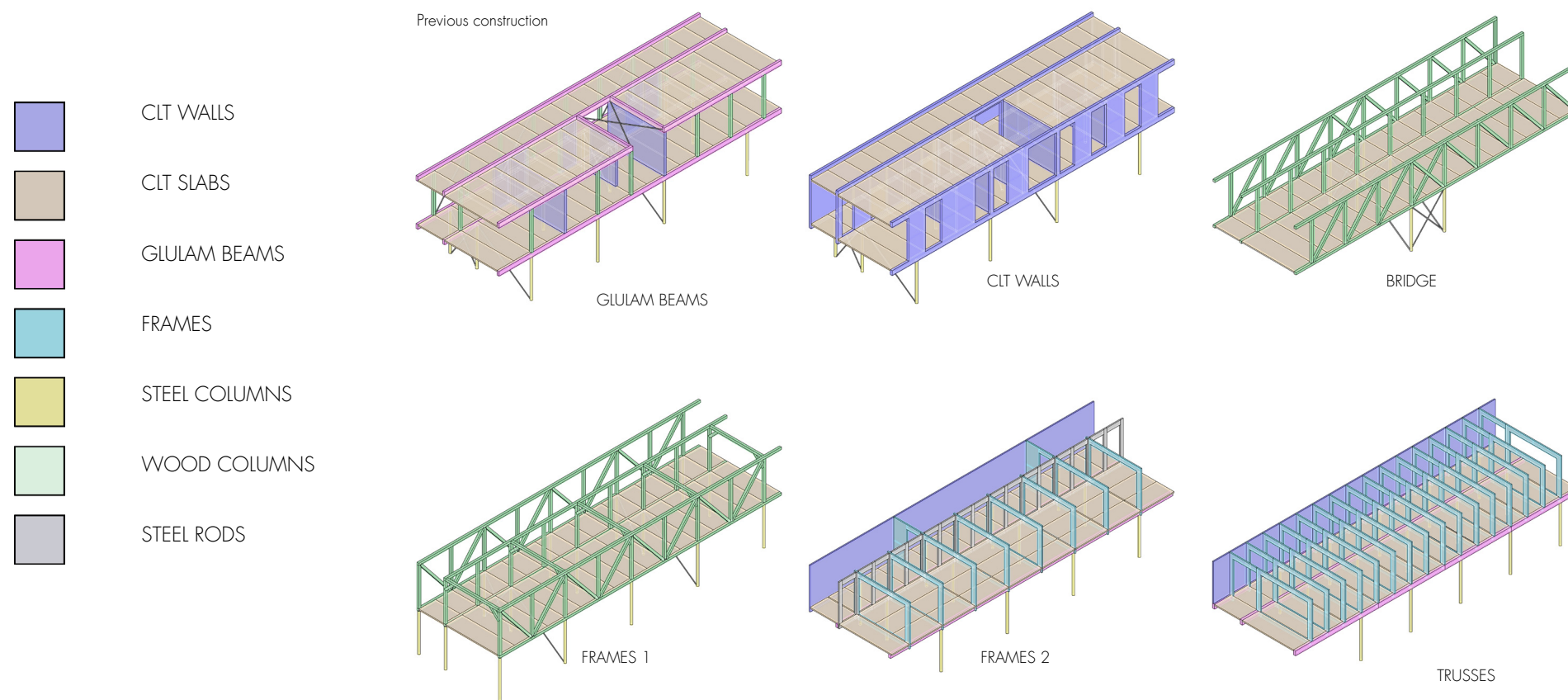


70 mm plate



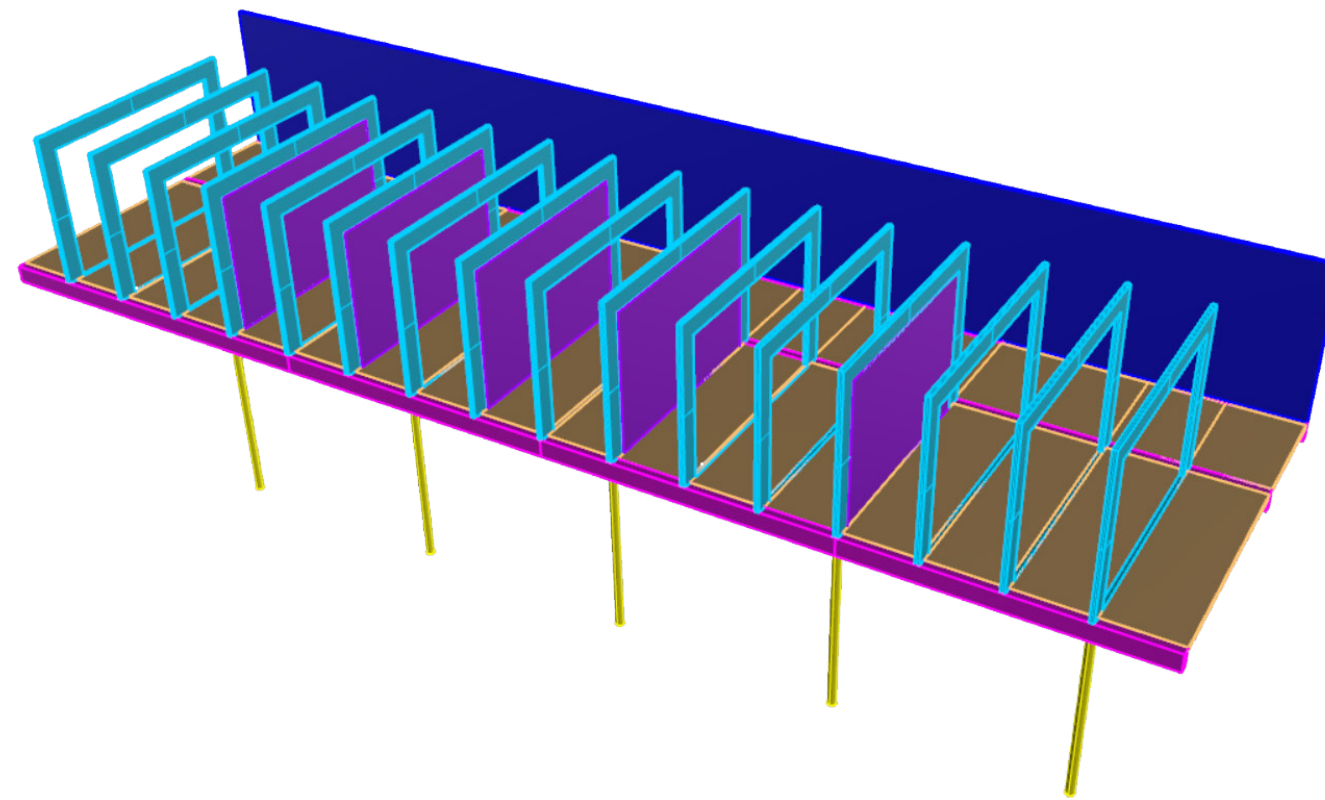
PROCESS

Study of constructions



PROCESS

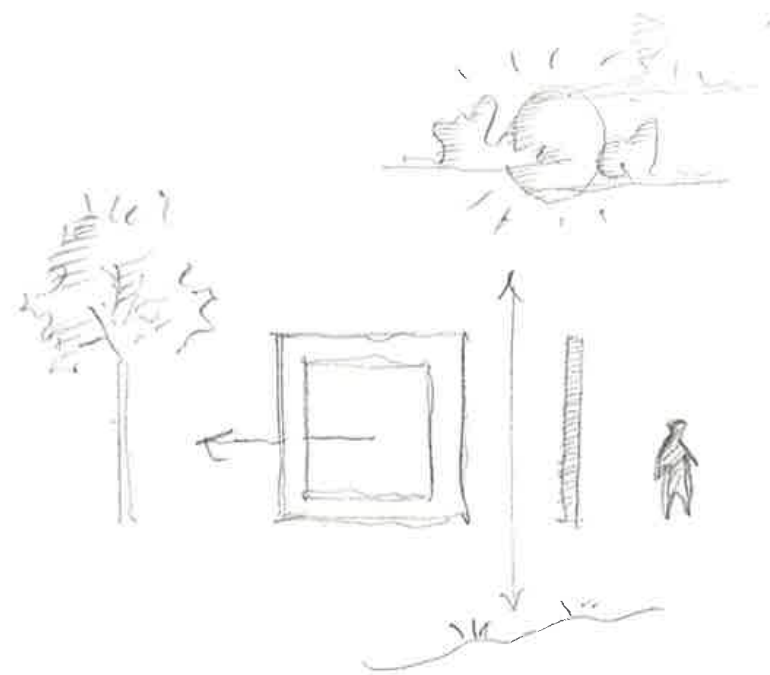
Frames



PROCESS

Conceptual drawing

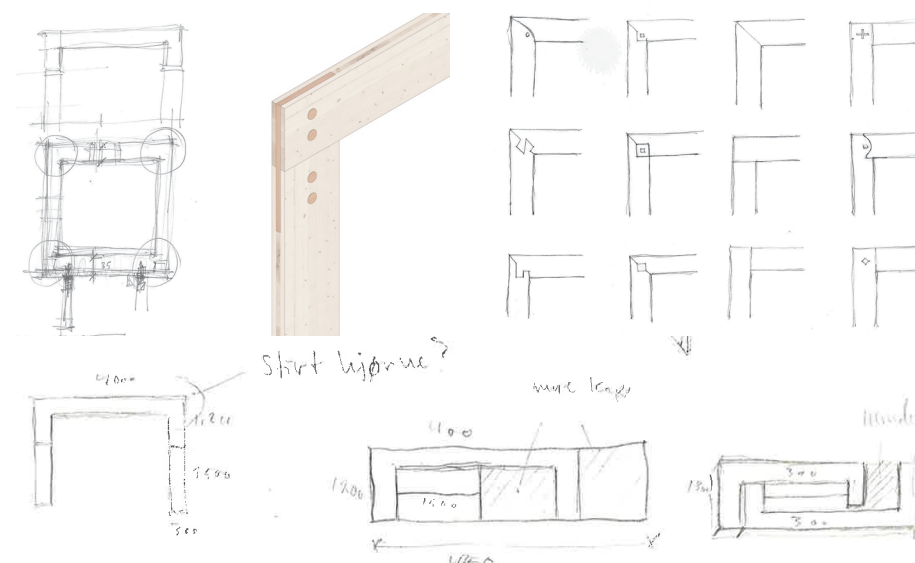
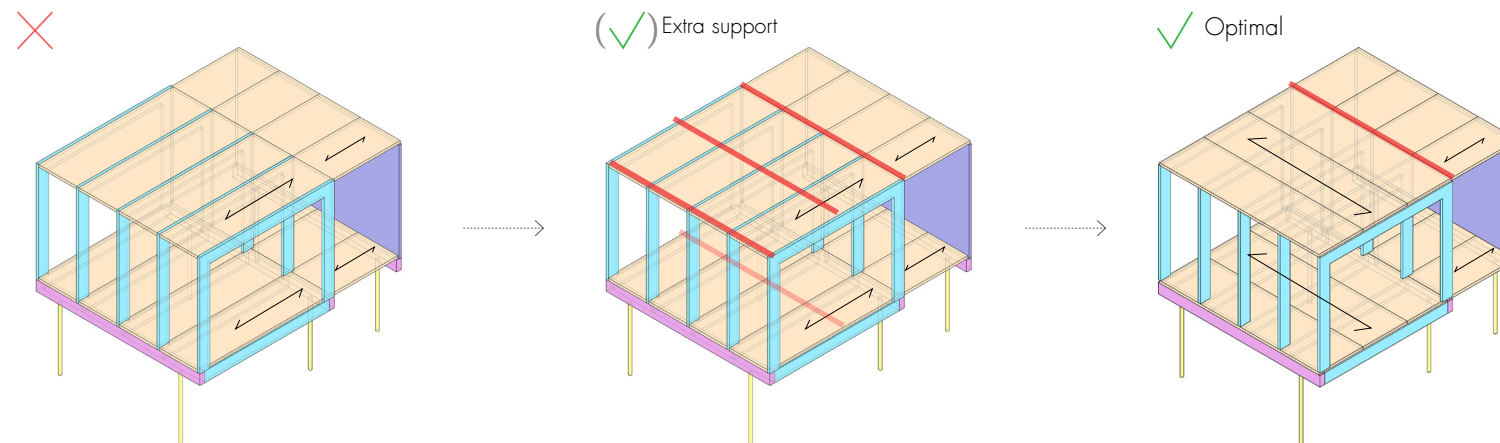
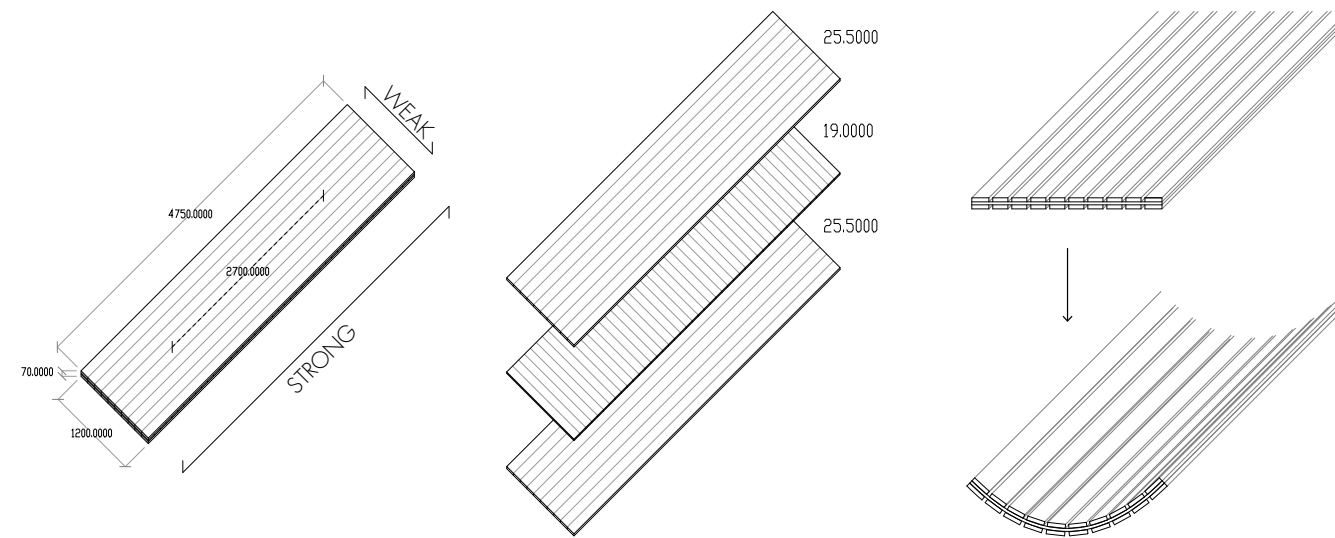
- Dense wall towards the neighbour
- The frames open up towards the nature and view



PROCESS

Study of constructions

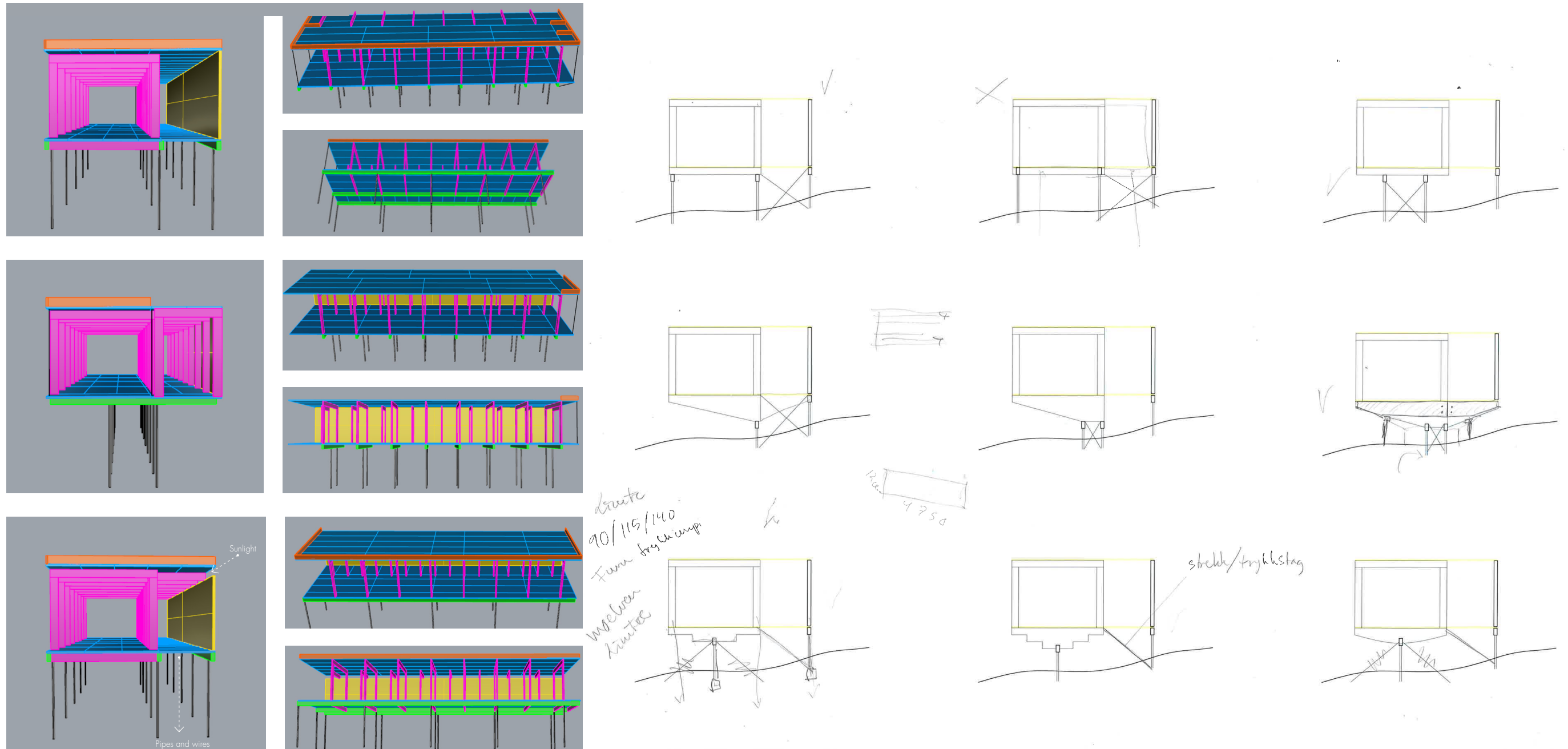
- Guidance with engineer and architect from "Oslo tre"



PROCESS

Detailing and design

- Evaluating different consequences the different alternatives had for the architecture (simultaneously)





PROCESS

Detailing and design



PROCESS

Detailing and design



PROCESS

Detailing and design



PROCESS

Detailing and design



PROCESS

Detailing and design



PROCESS

Detailing and design



PROCESS

Detailing and design



PROCESS

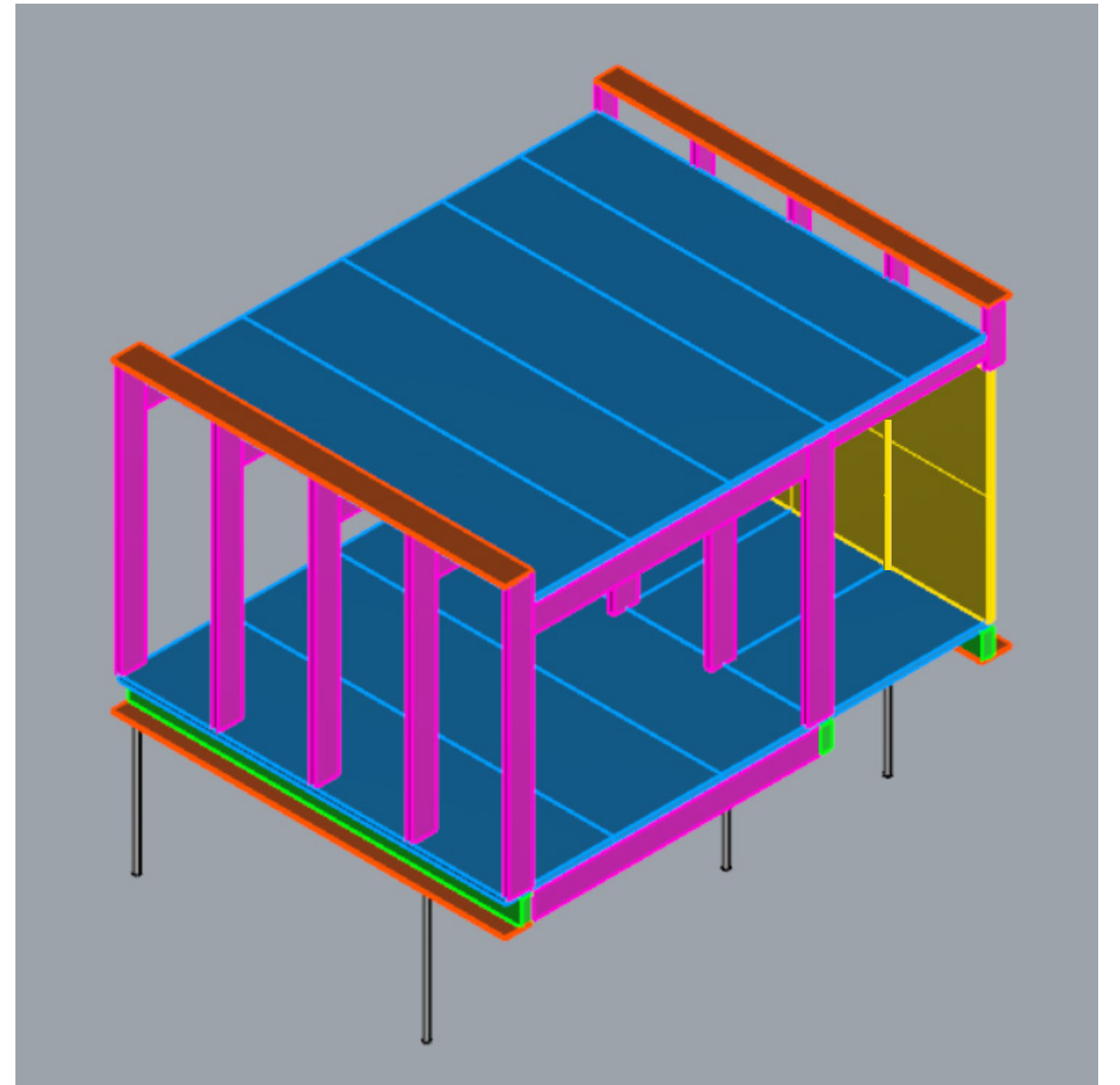
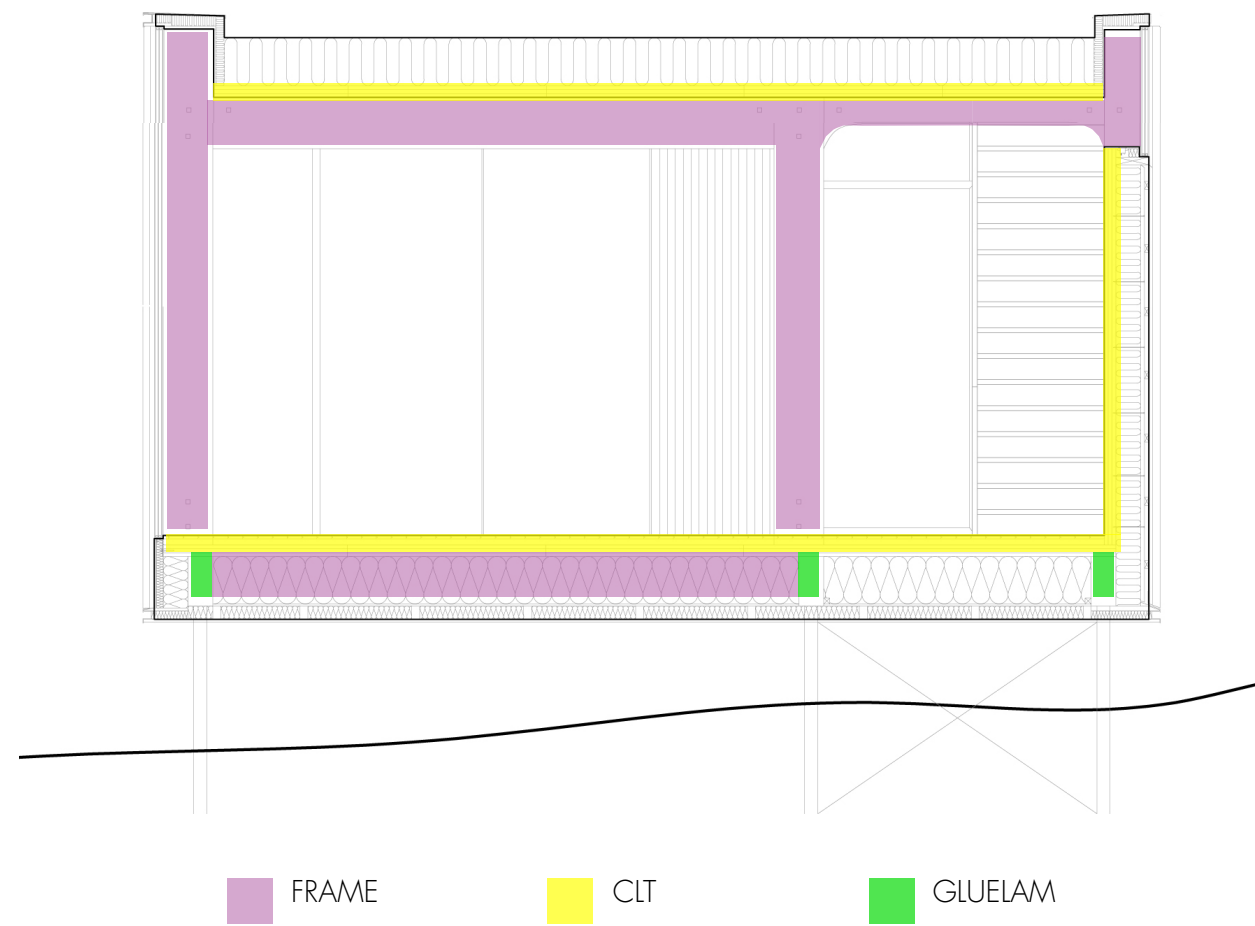
Detailing and design

- Continuous 3d process



FINAL PROJECT

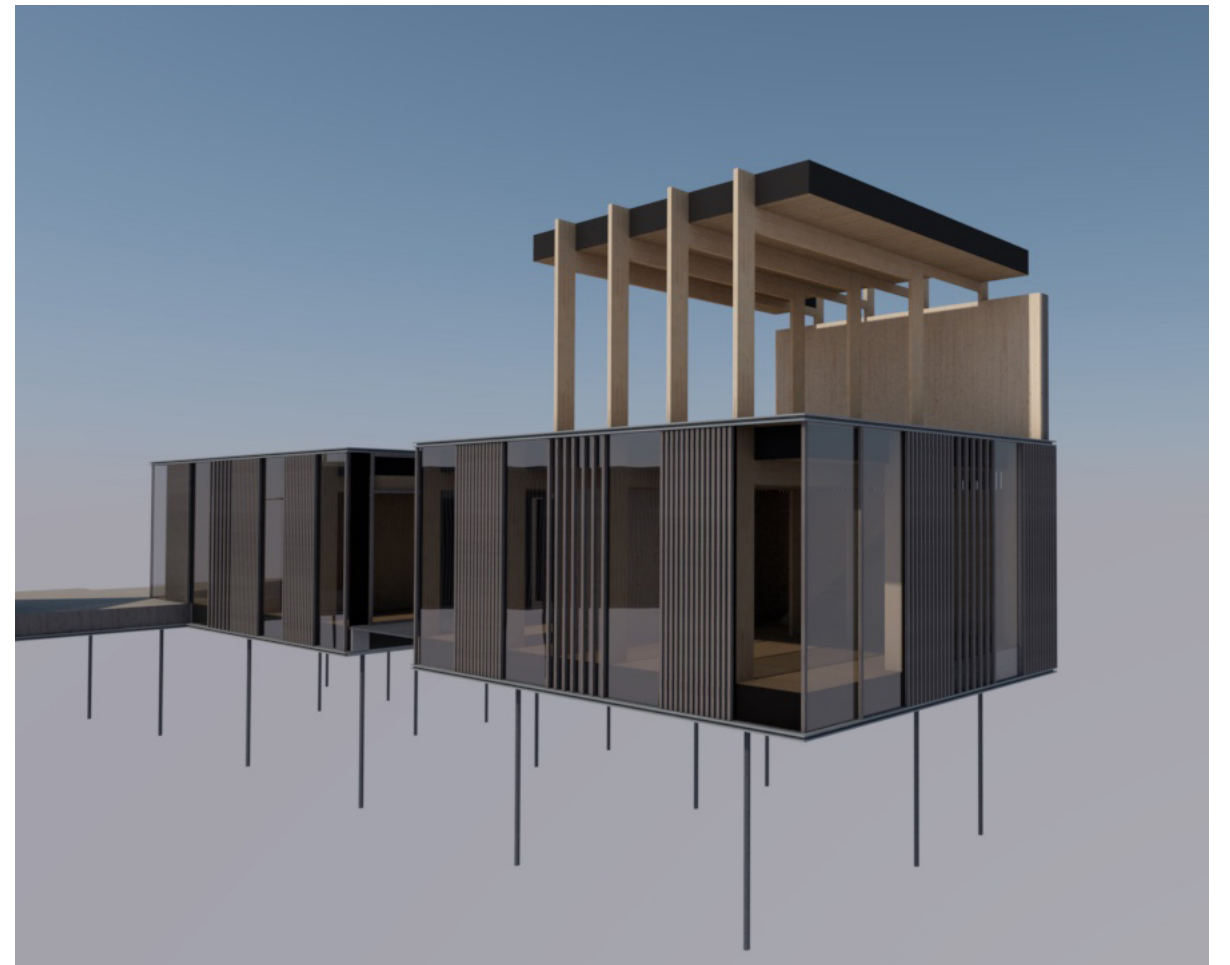
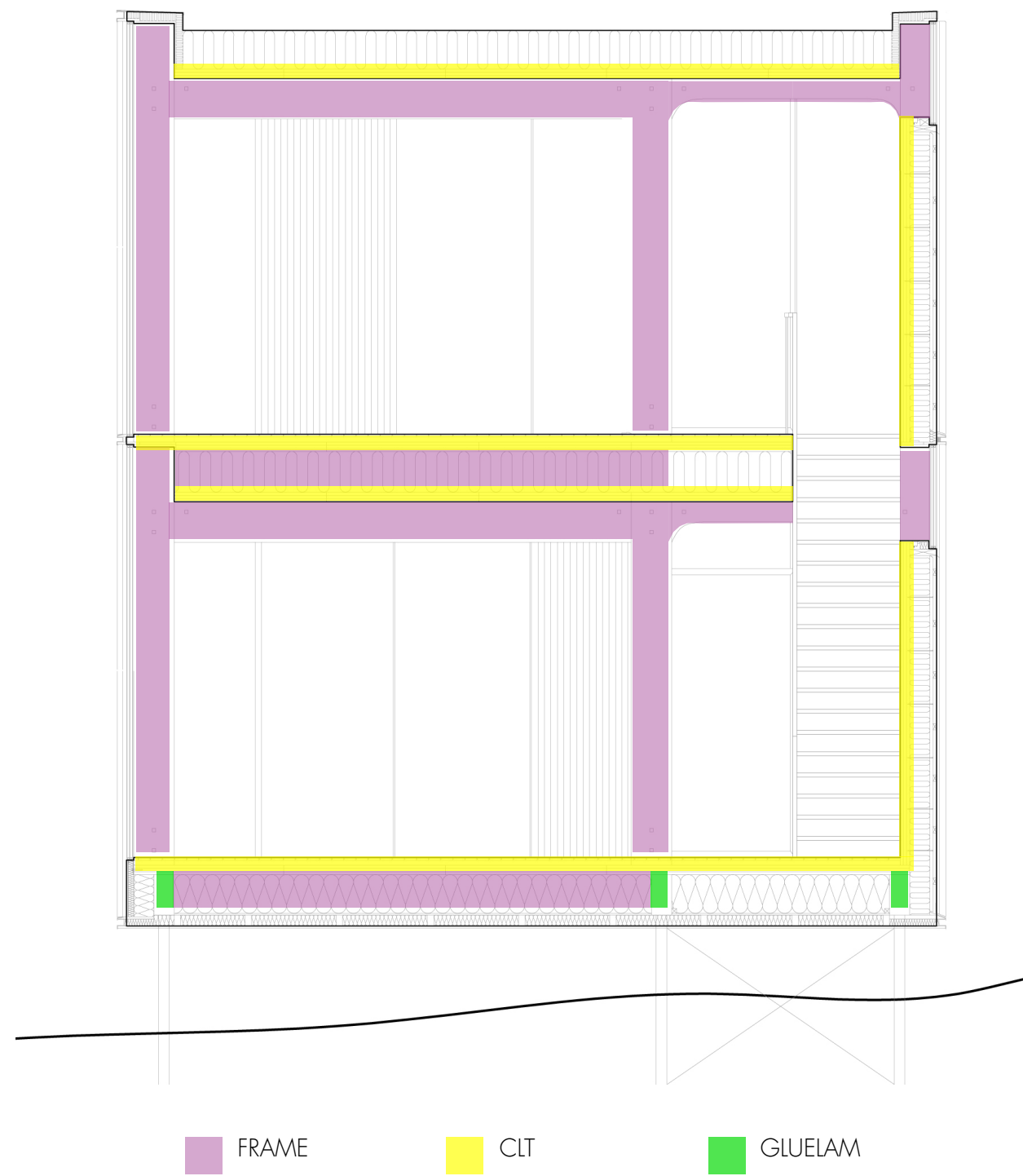
New section & construction



FINAL PROJECT

Extention

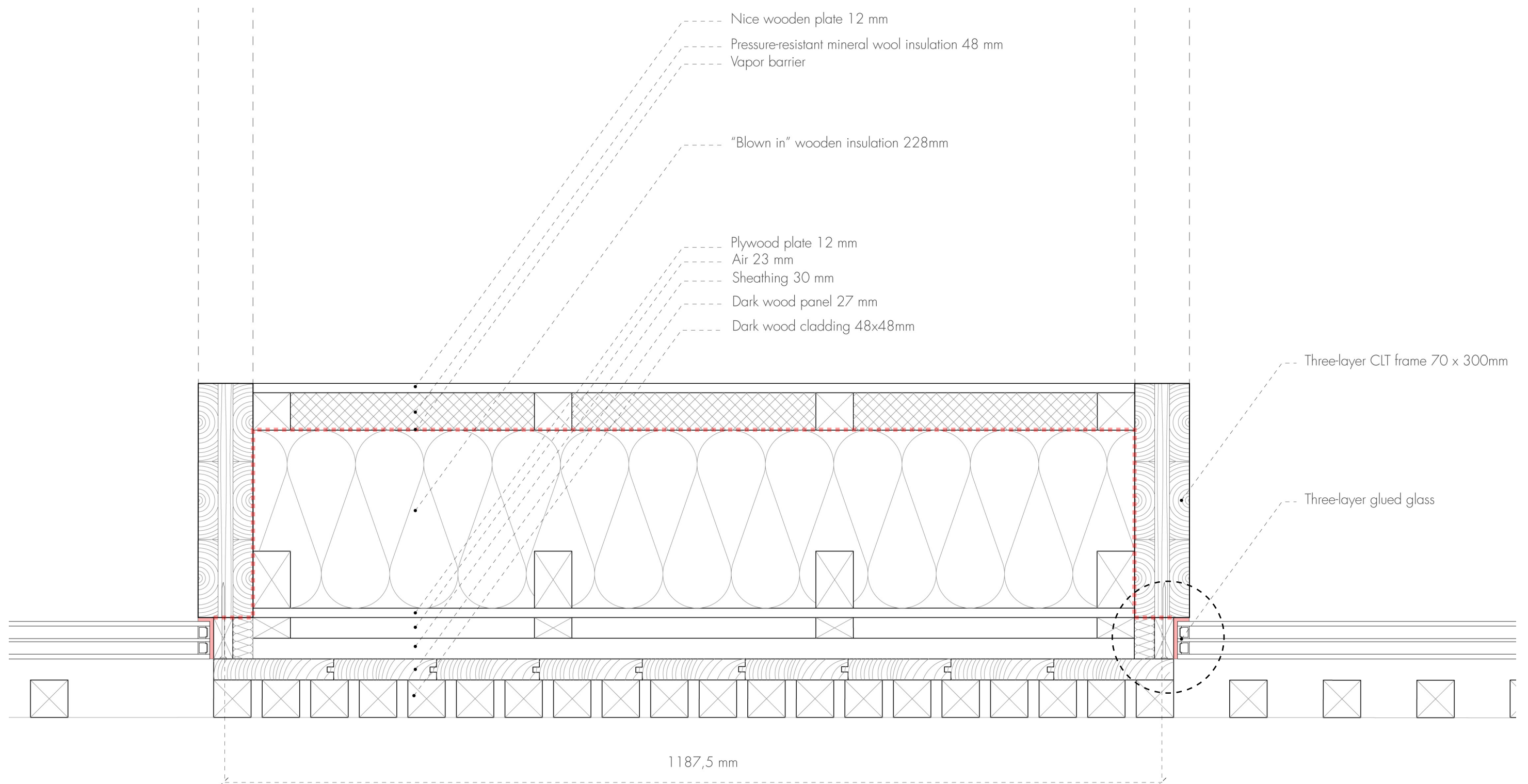
- Same system put on top



FINAL PROJECT

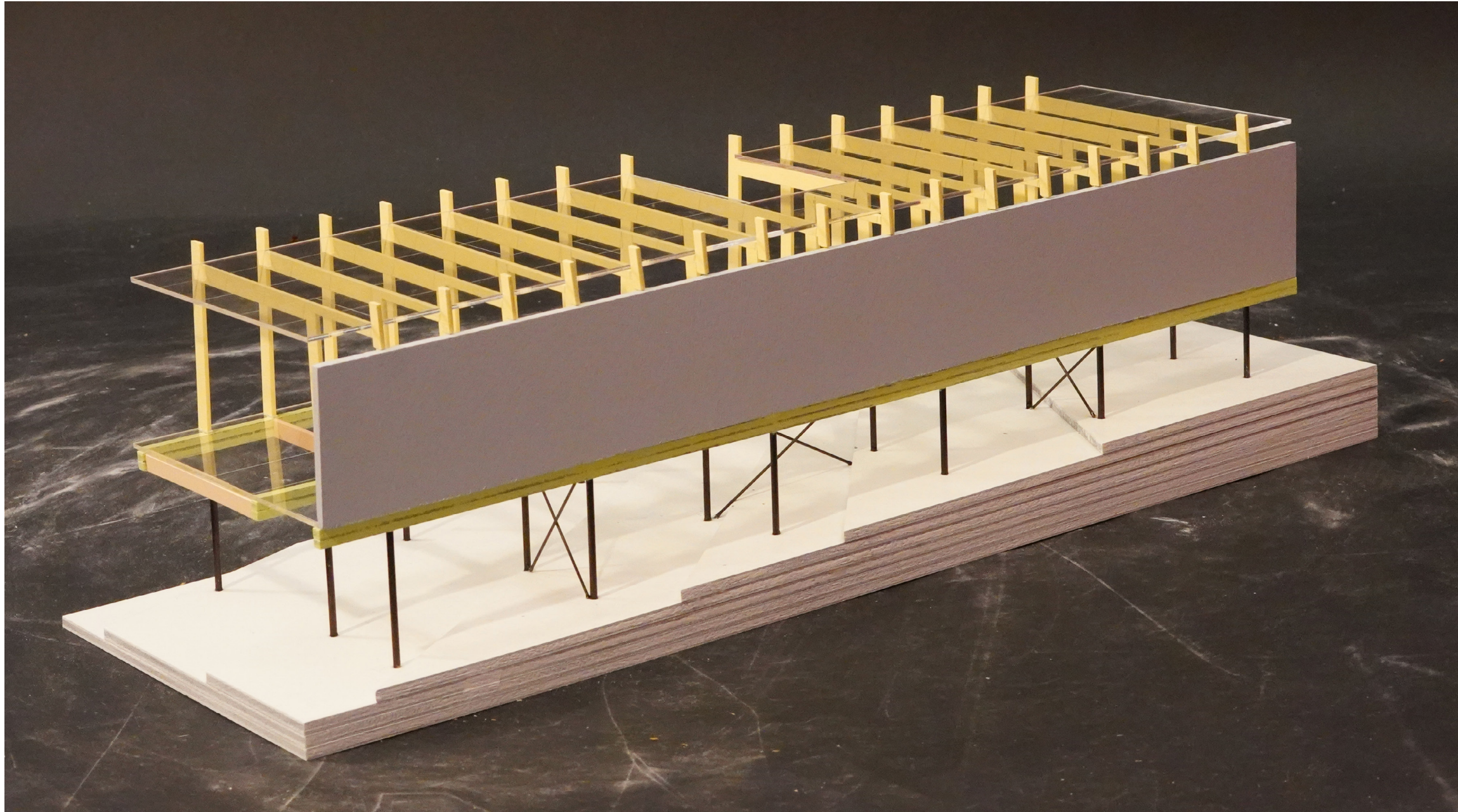
1:5 detail

- Windows glued directly to the frames



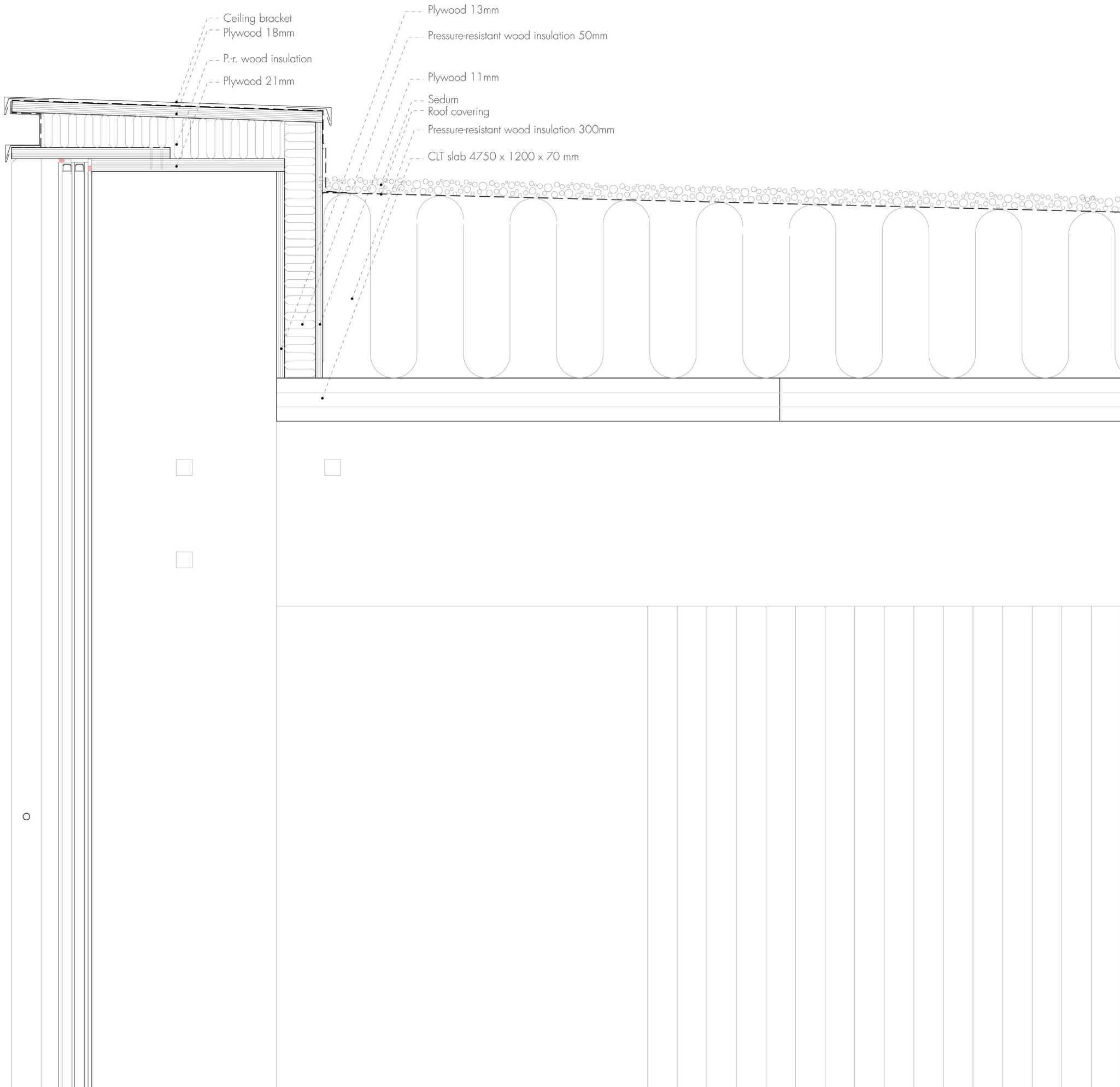
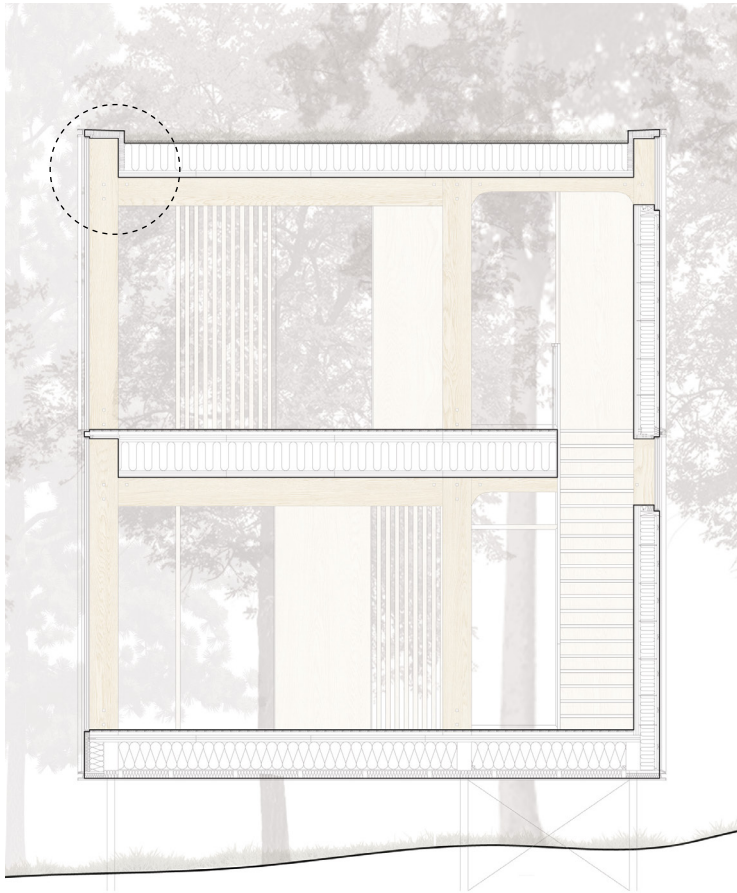
FINAL PROJECT

Structural model



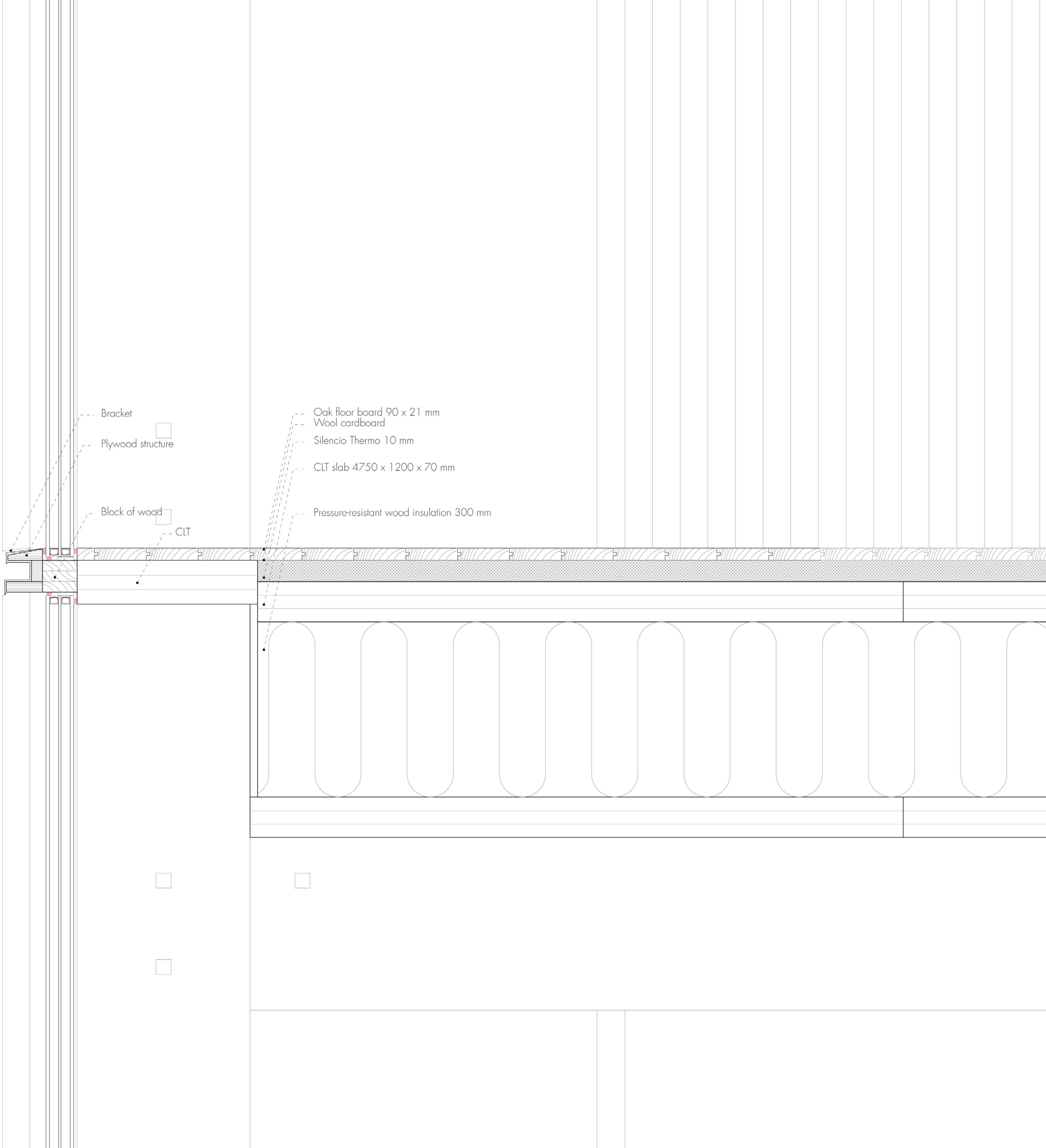
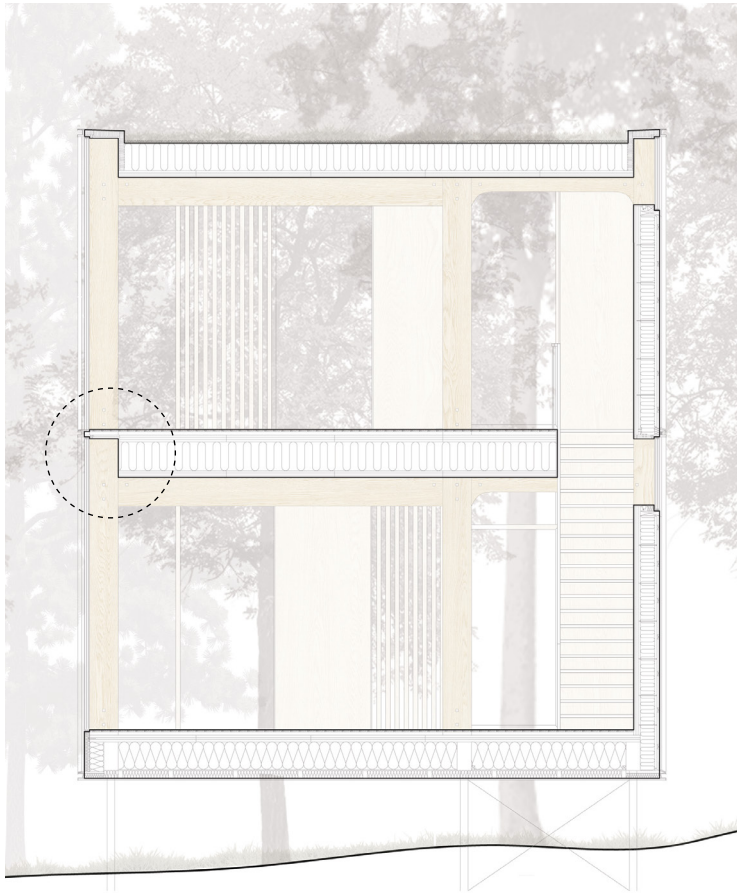
FINAL PROJECT

Section detail 1:5



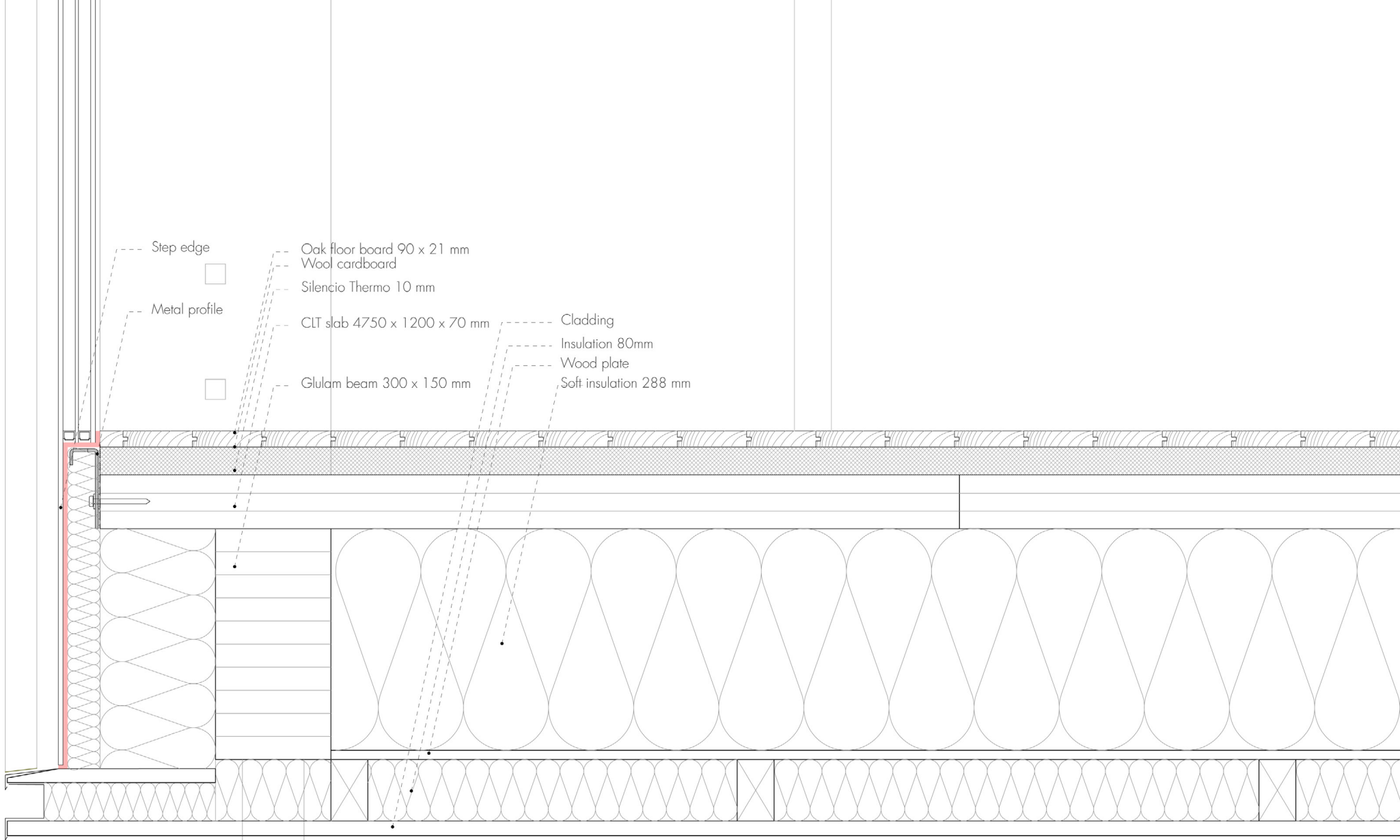
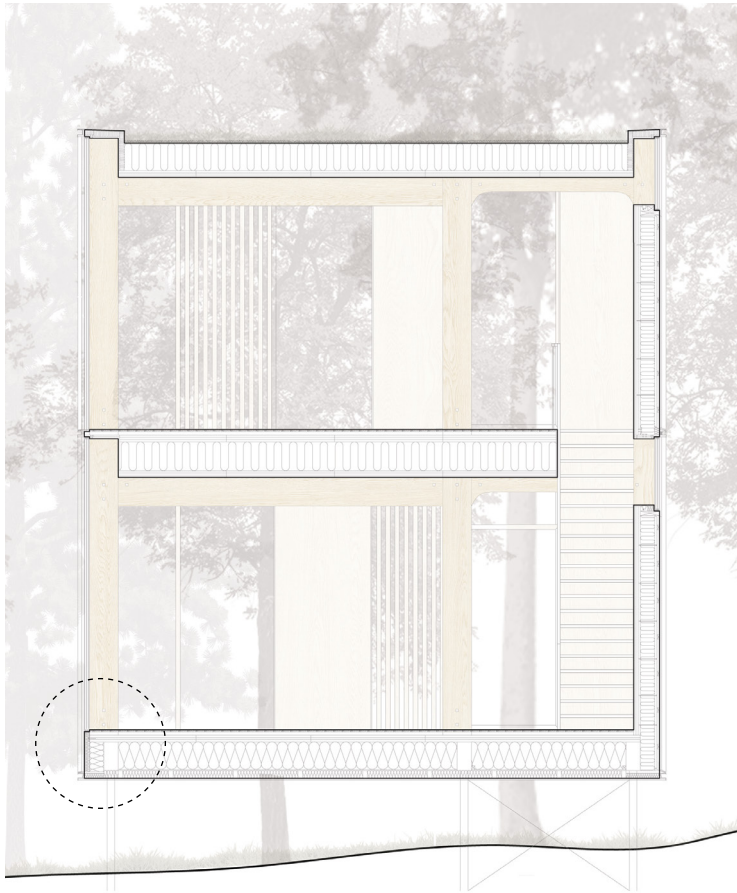
FINAL PROJECT

Section detail 1:5



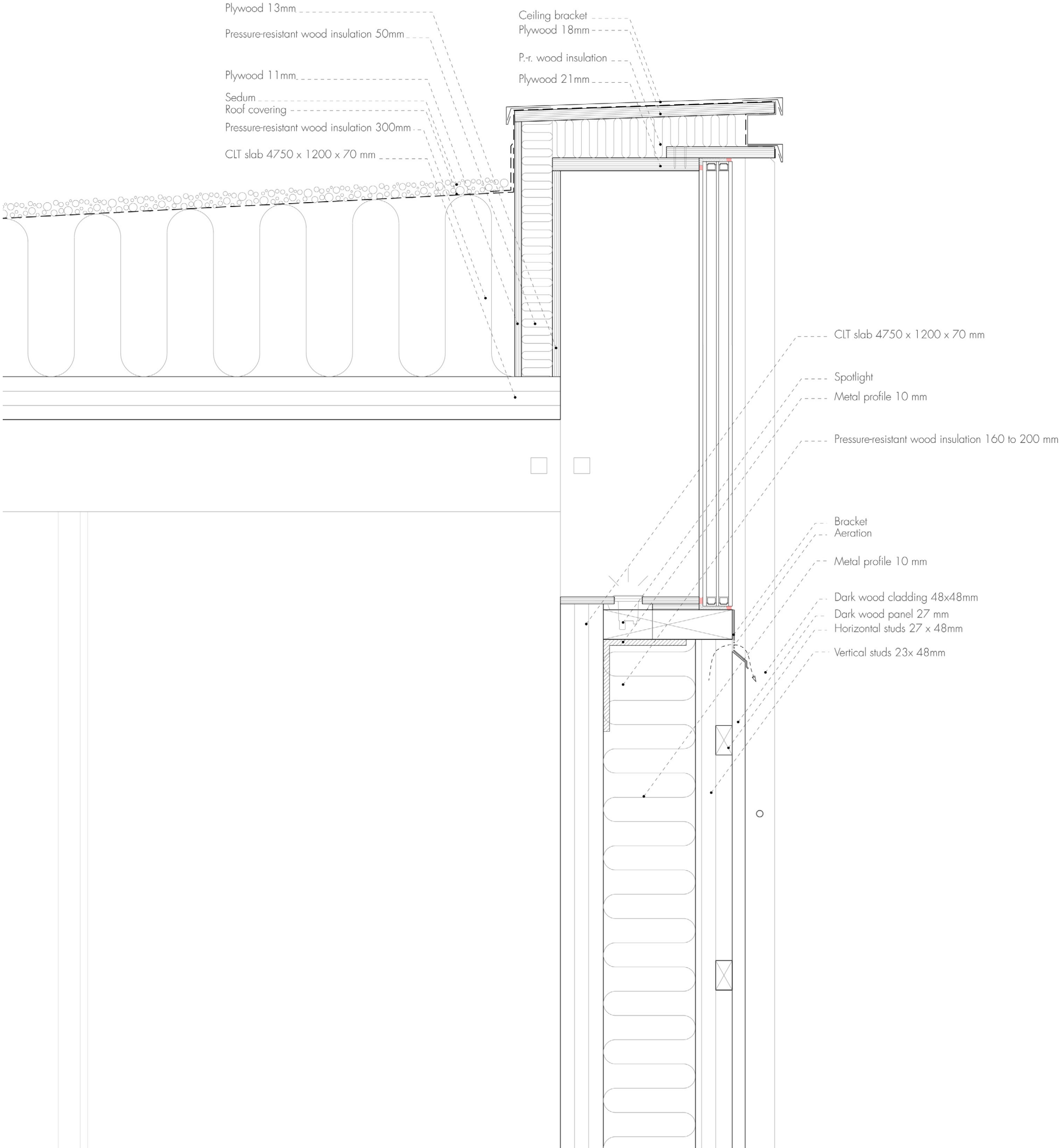
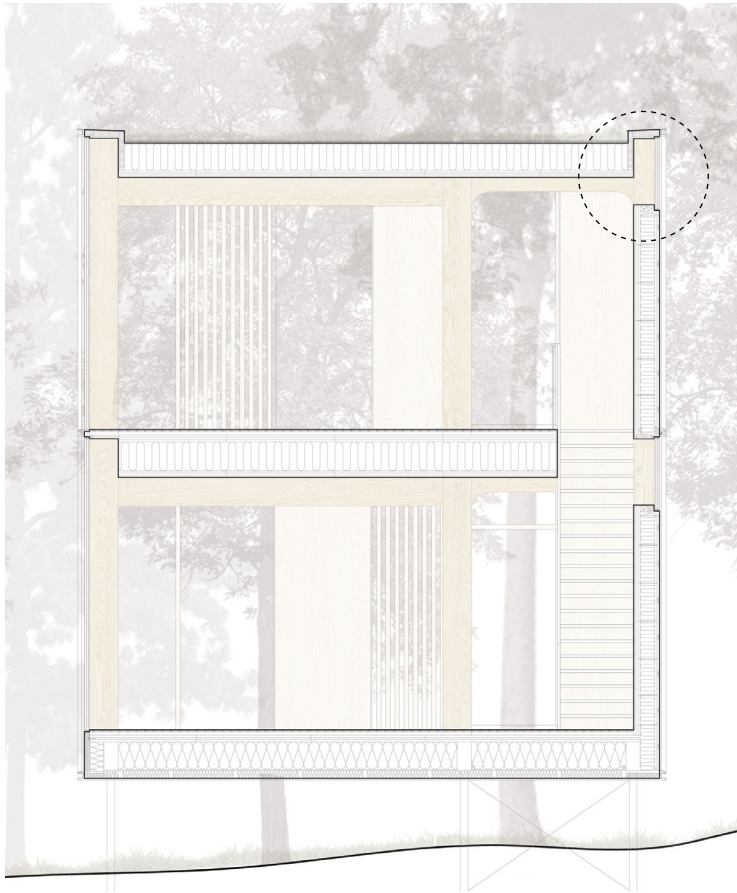
FINAL PROJECT

Section detail 1:5



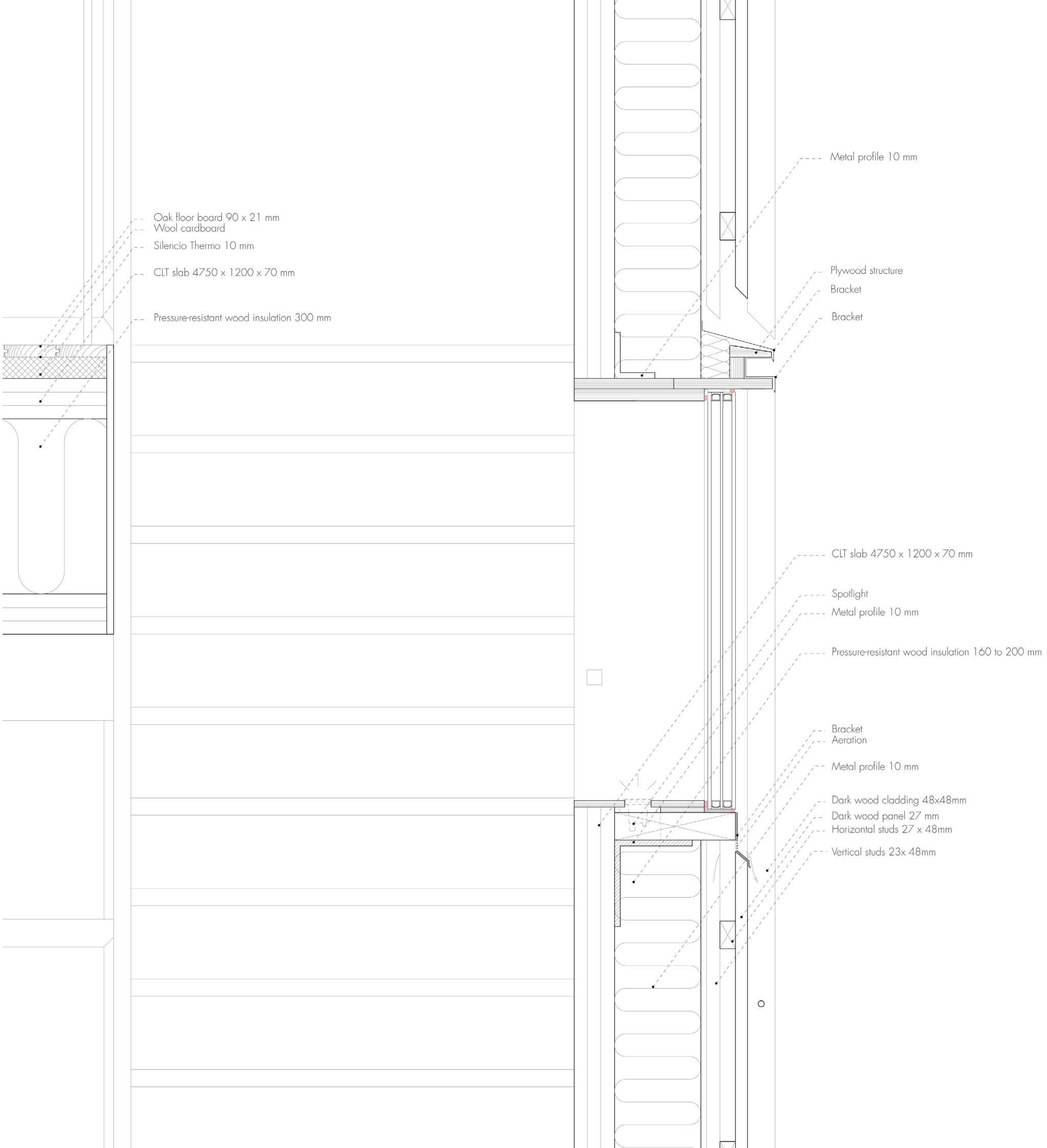
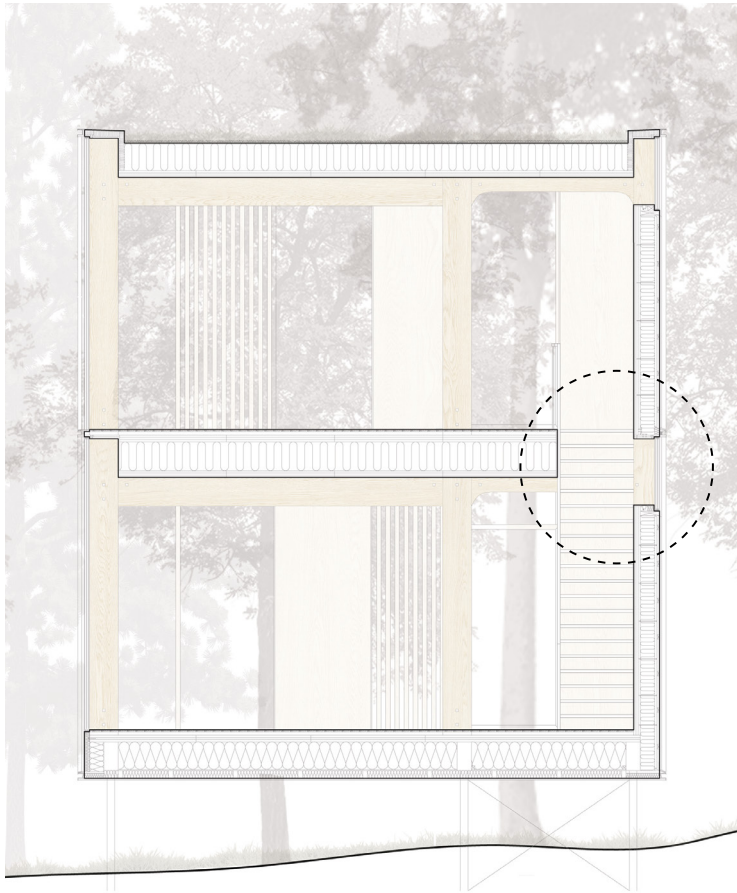
FINAL PROJECT

Section detail 1:5



FINAL PROJECT

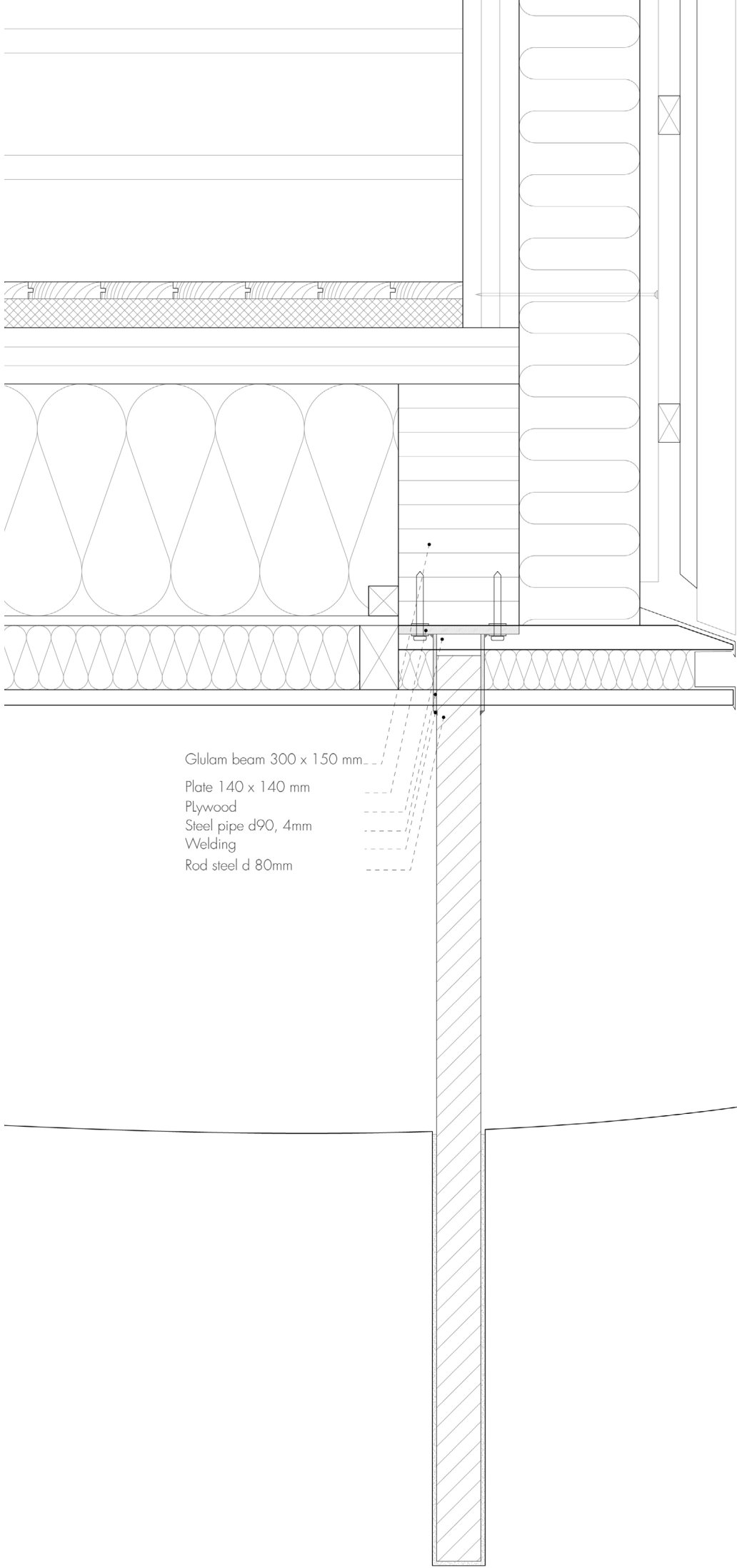
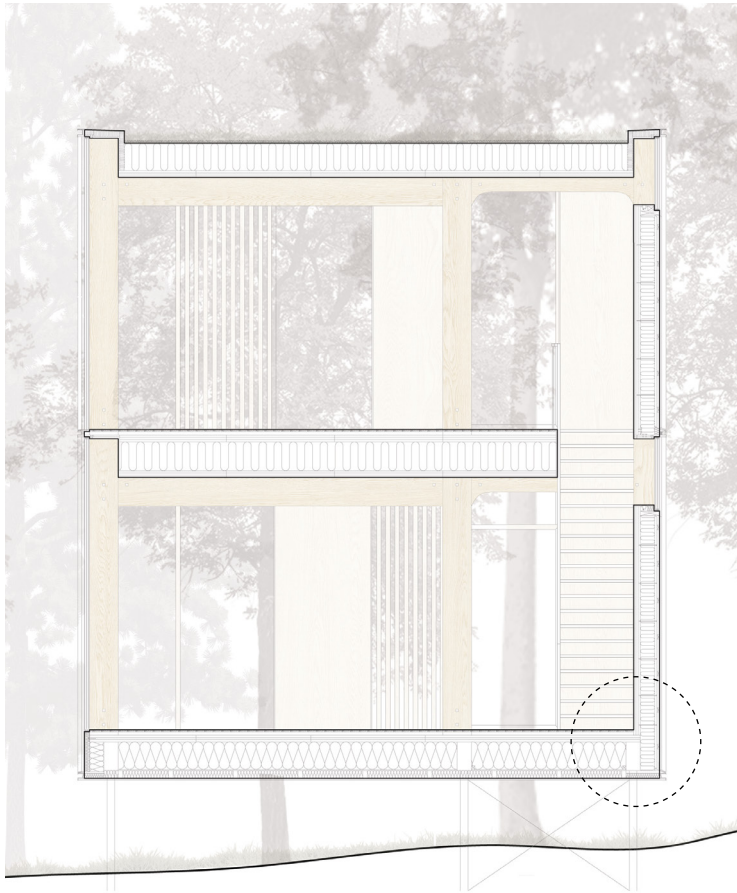
Section detail 1:5





FINAL PROJECT

Section detail 1:5

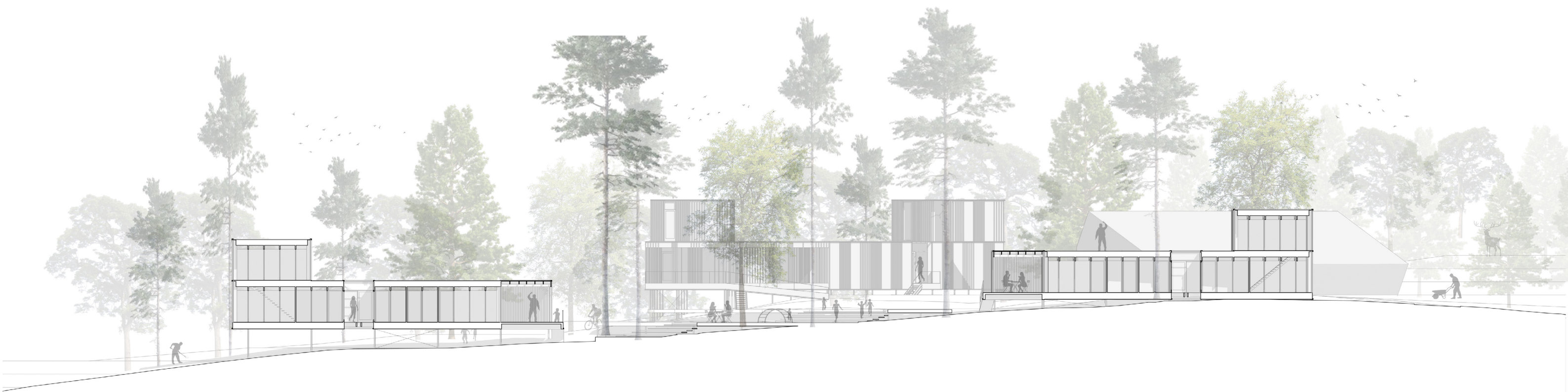


FINAL DRAWINGS



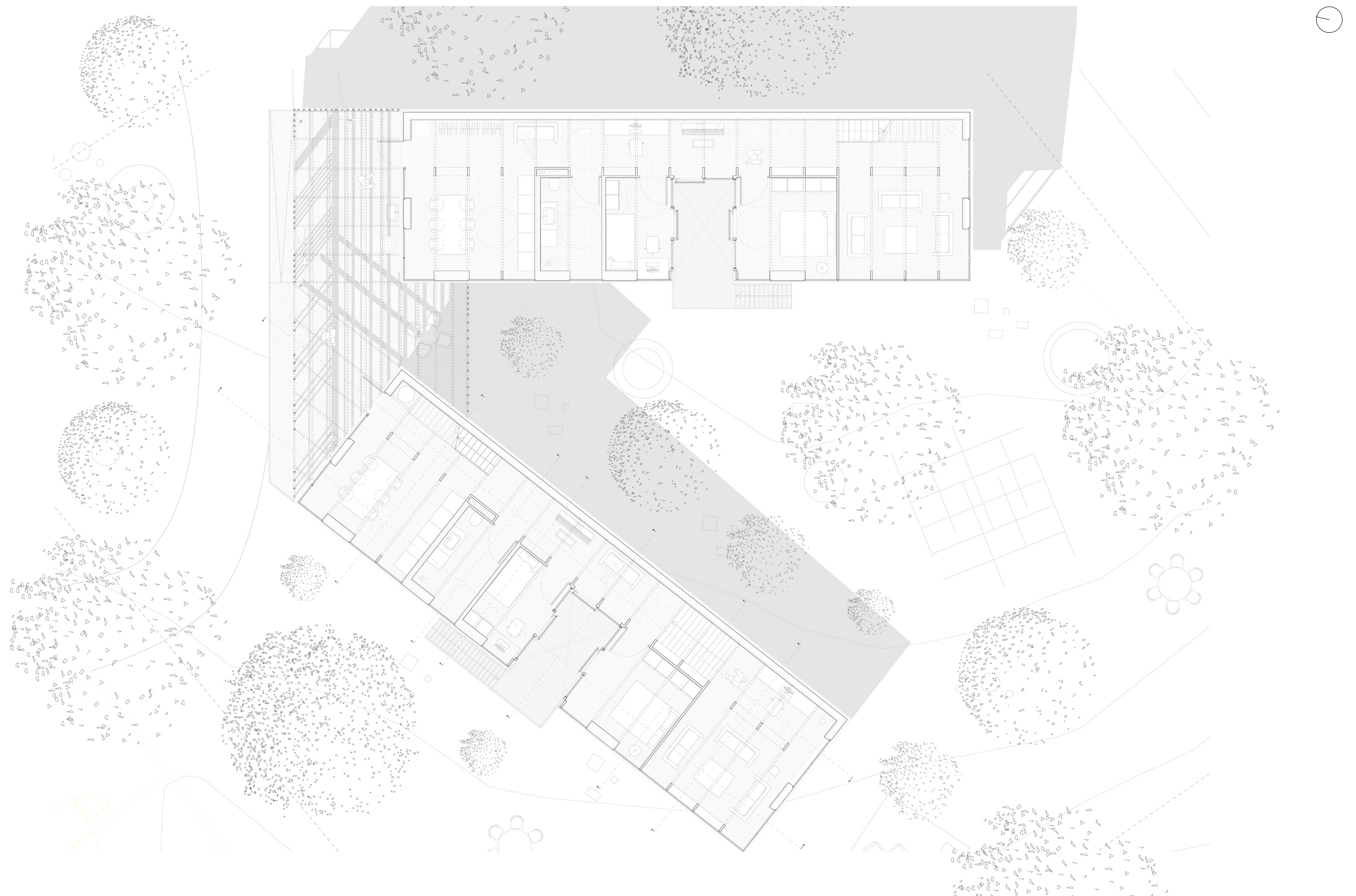
FINAL PROJECT

Site section



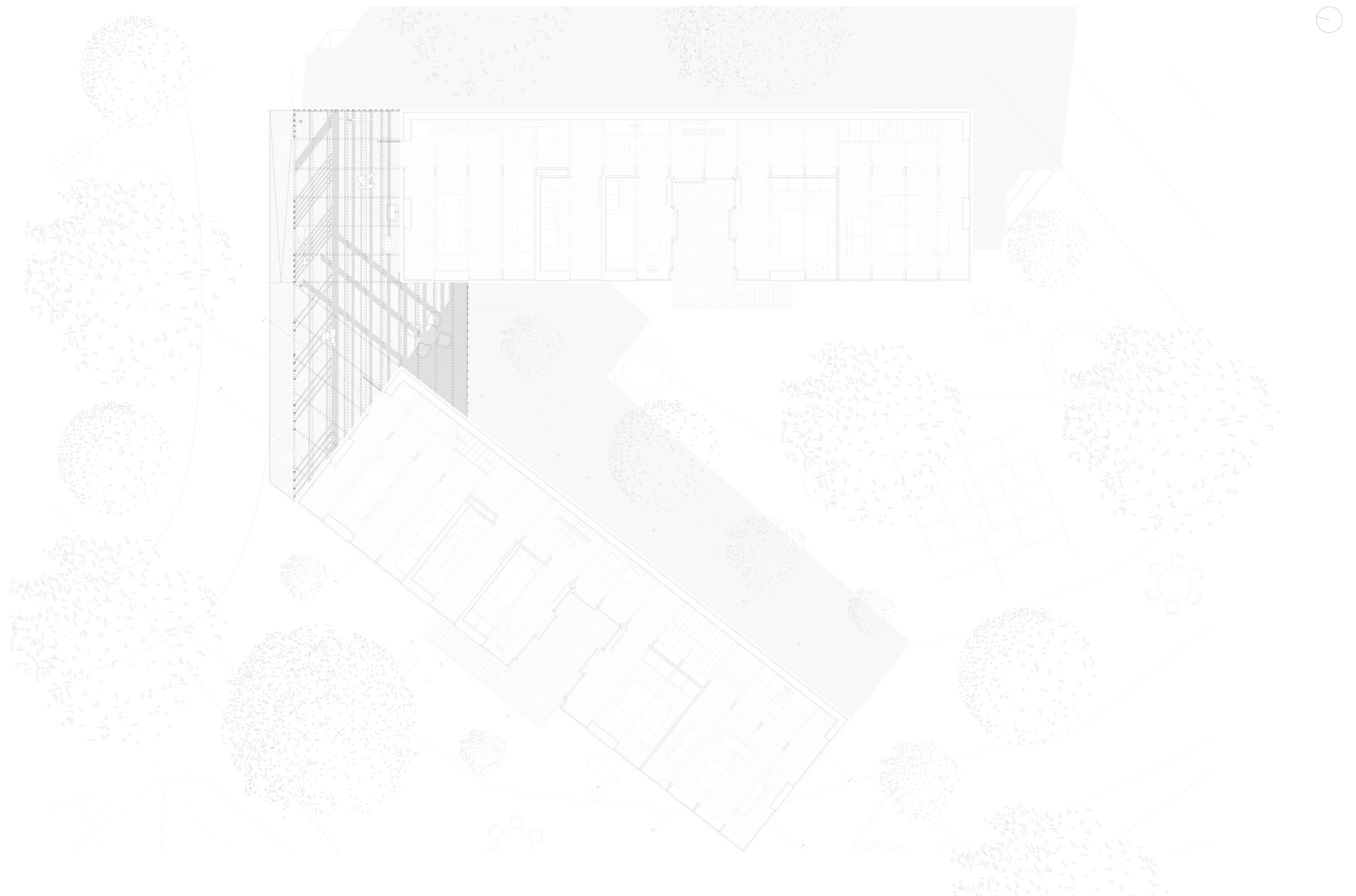
FINAL PROJECT

1st floor.



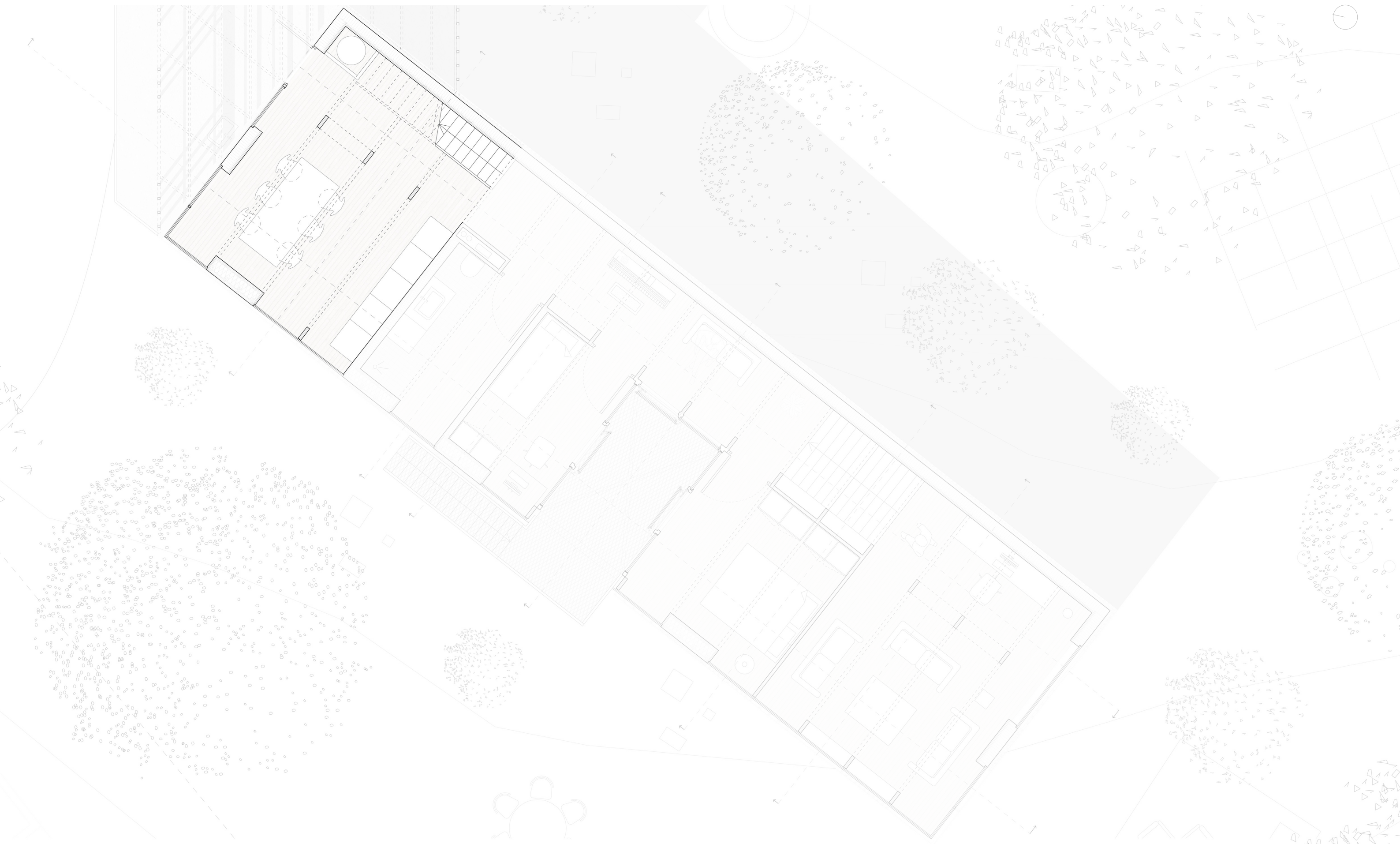
FINAL PROJECT

Windbreak / porch



FINAL PROJECT

Kitchen



FINAL PROJECT

Kitchen and extention



FINAL PROJECT

Kitchen and corridor



FINAL PROJECT

Bath



FINAL PROJECT

Bath



FINAL PROJECT

Atrium



FINAL PROJECT

Atrium



FINAL PROJECT

Bedroom



FINAL PROJECT

Bedroom



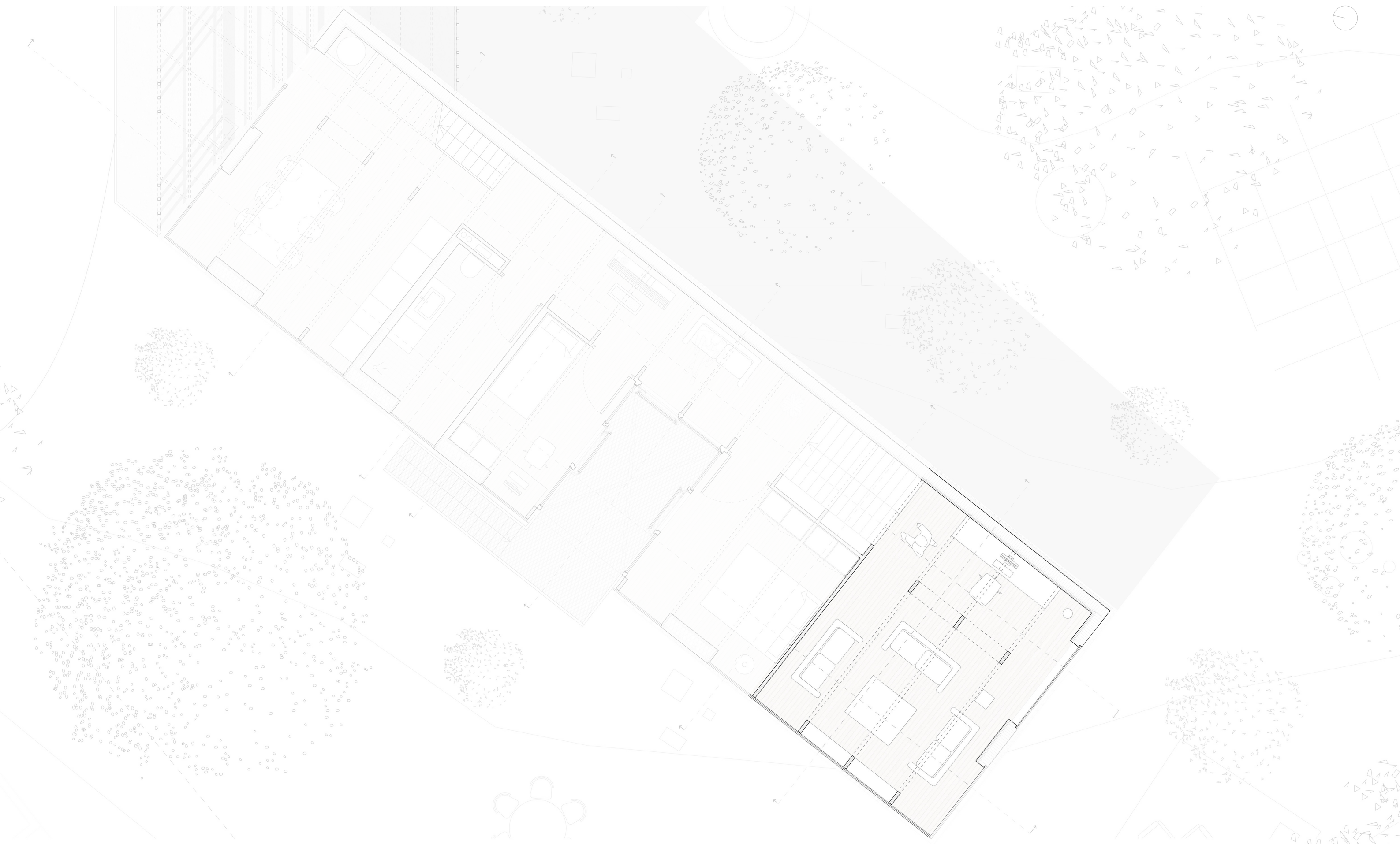
FINAL PROJECT

Bedroom



FINAL PROJECT

Living room



FINAL PROJECT

Living room



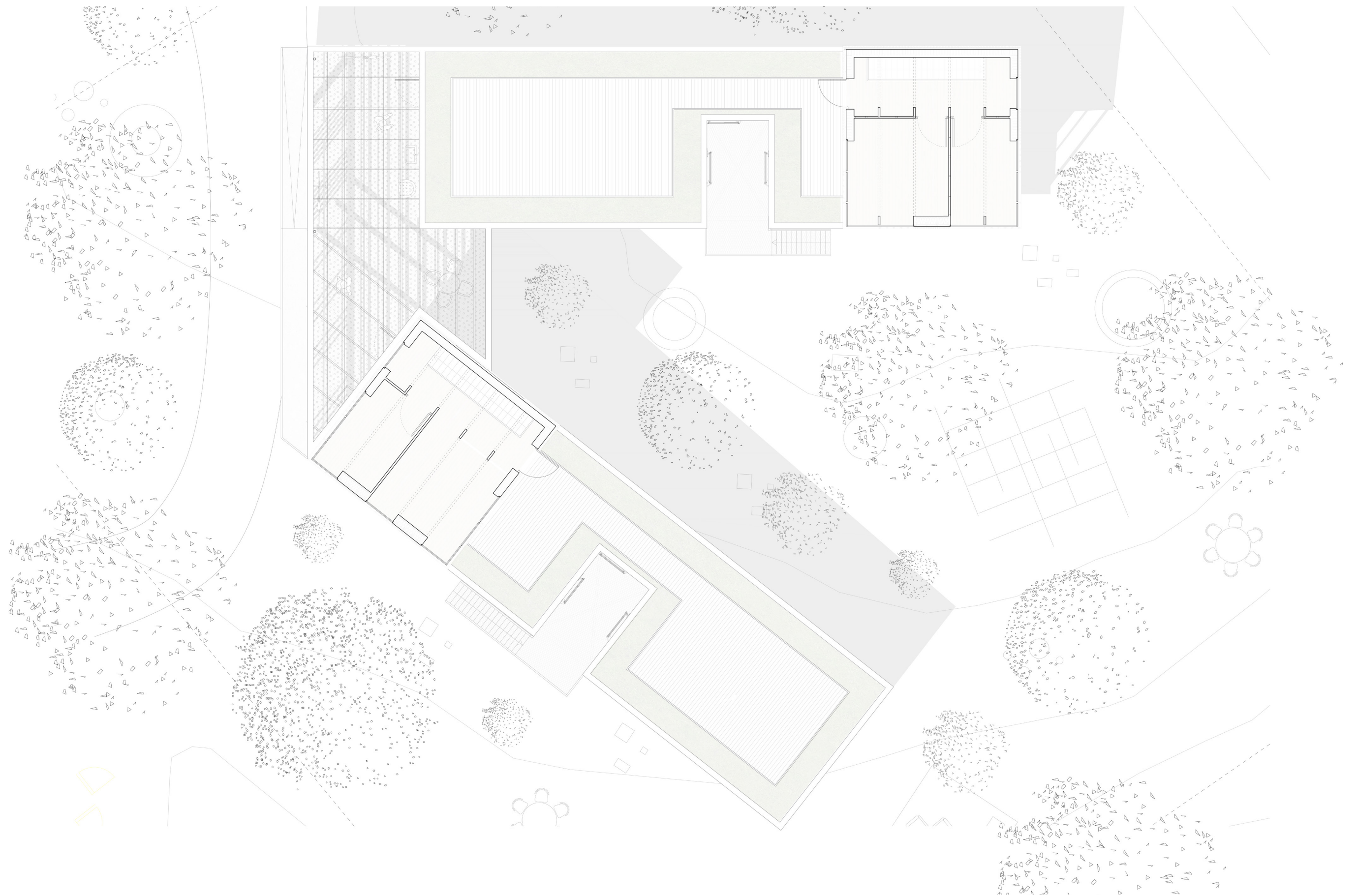
FINAL PROJECT

Living room



FINAL PROJECT

2nd floor, extension



FINAL PROJECT

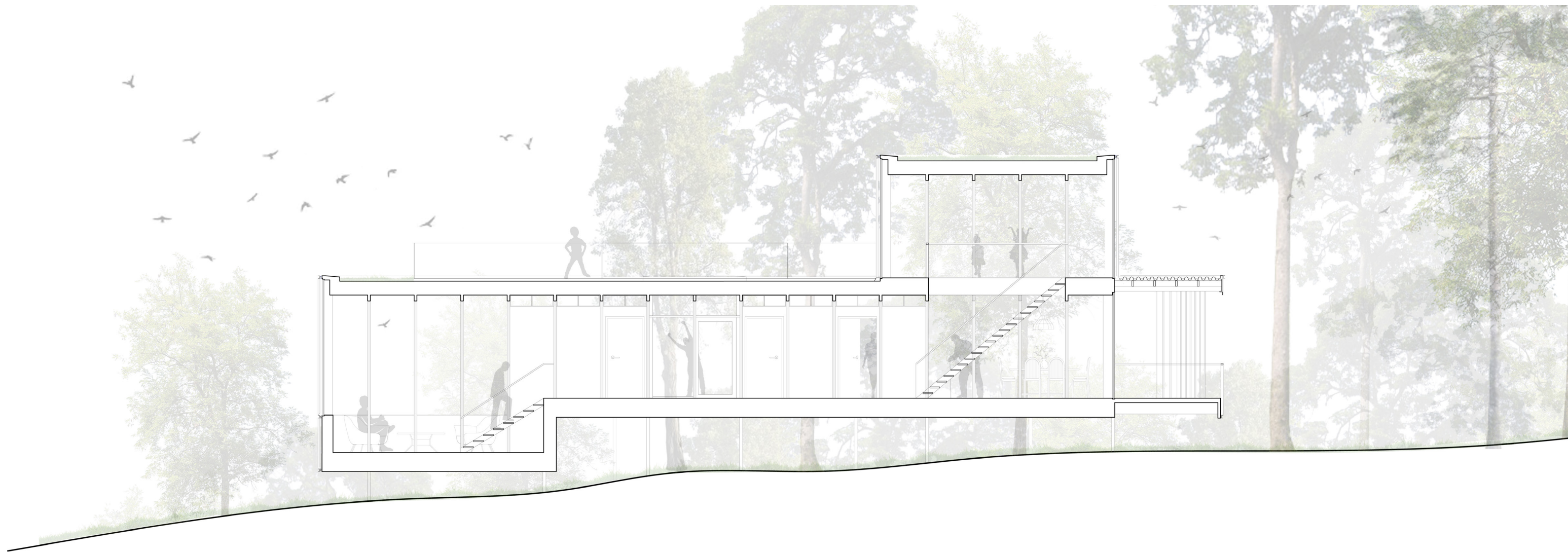
2nd floor, extension



FINAL PROJECT

Long section

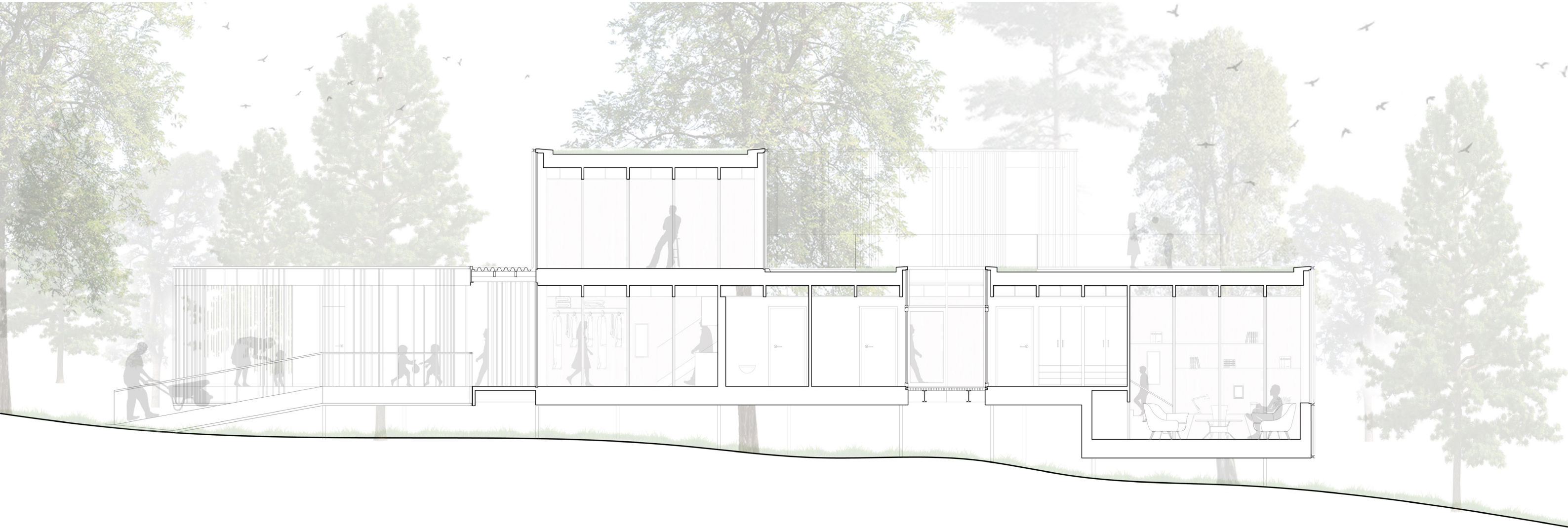
- Corridor



FINAL PROJECT

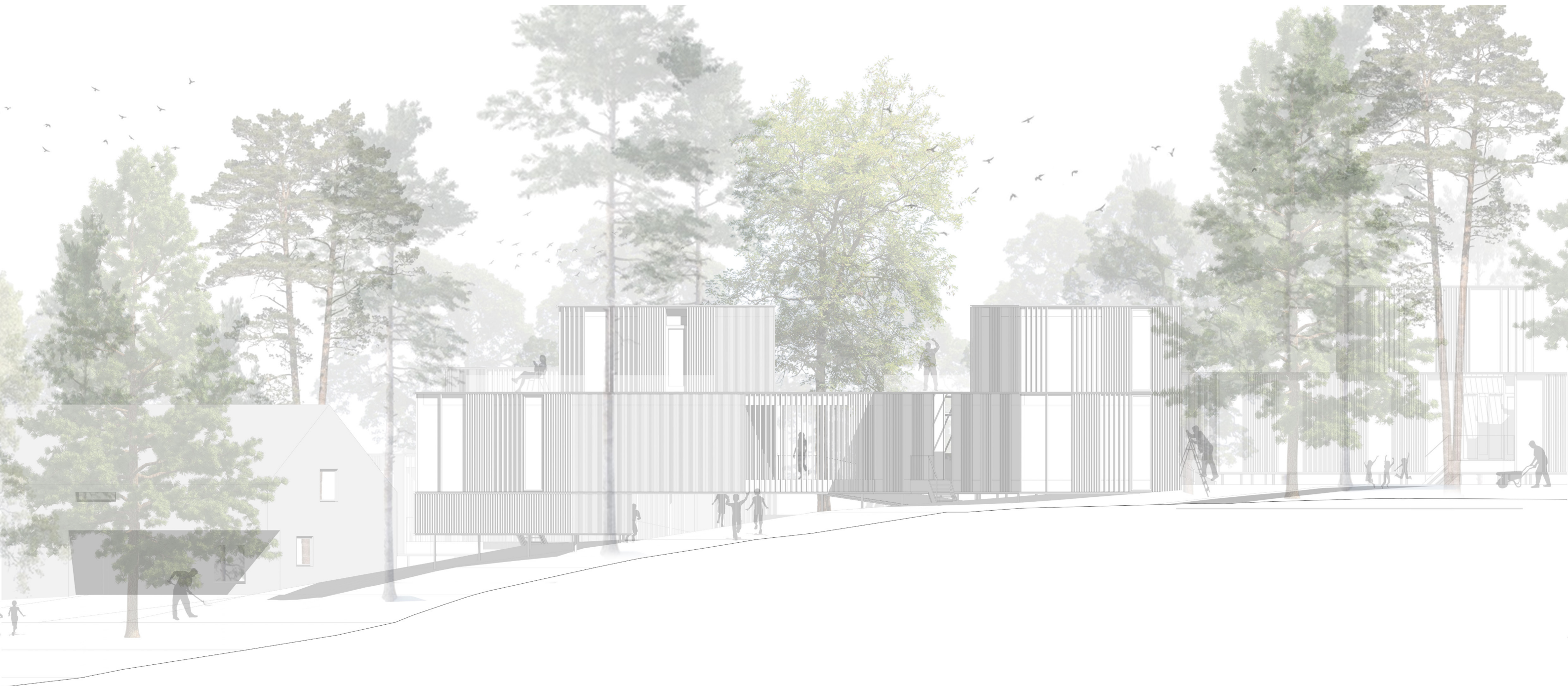
Long section

- Living area



FINAL PROJECT

Elevation









Thank you