

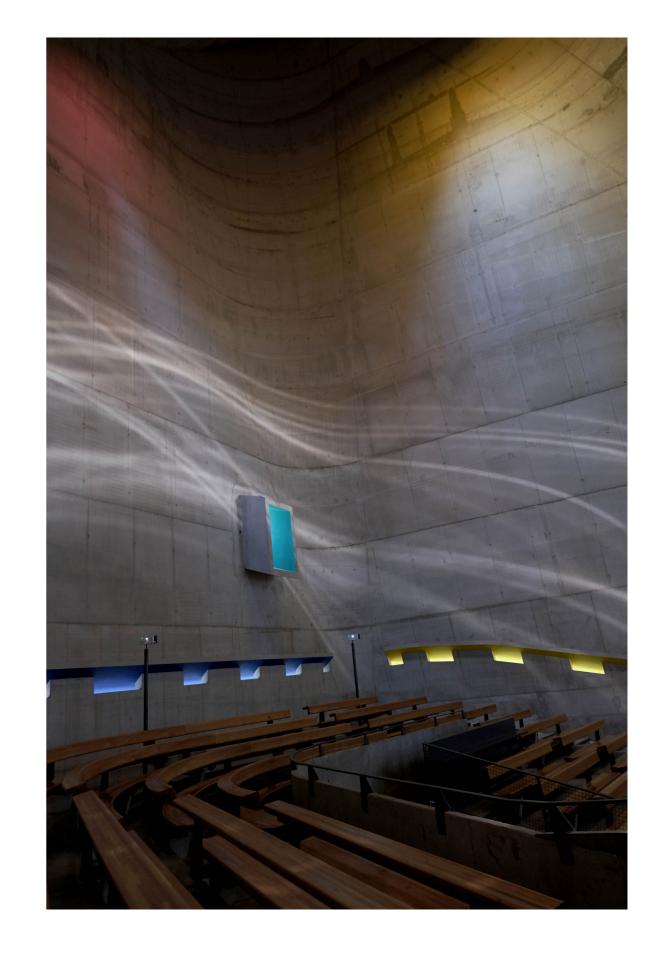


Introduction

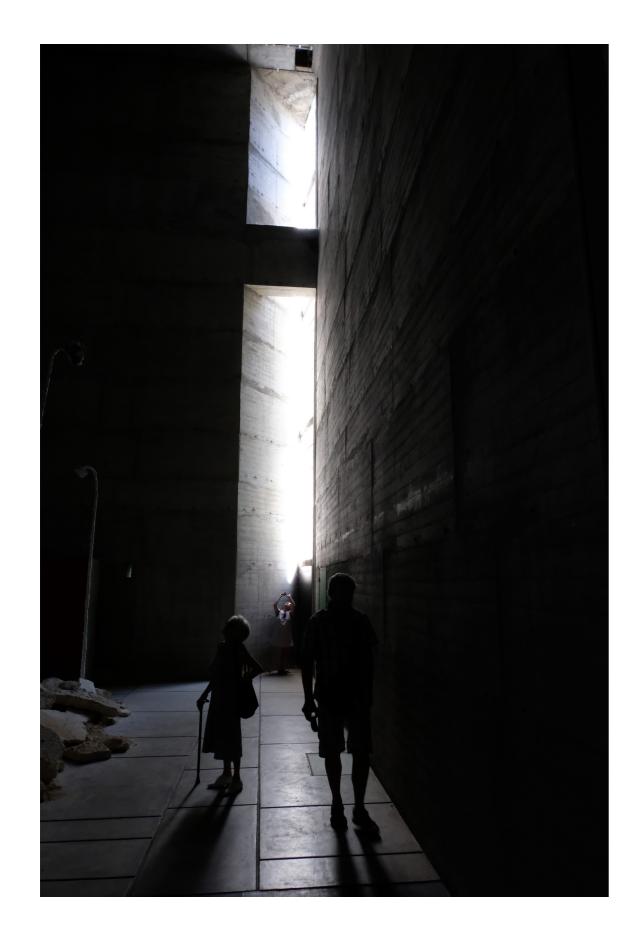
Explore Lab

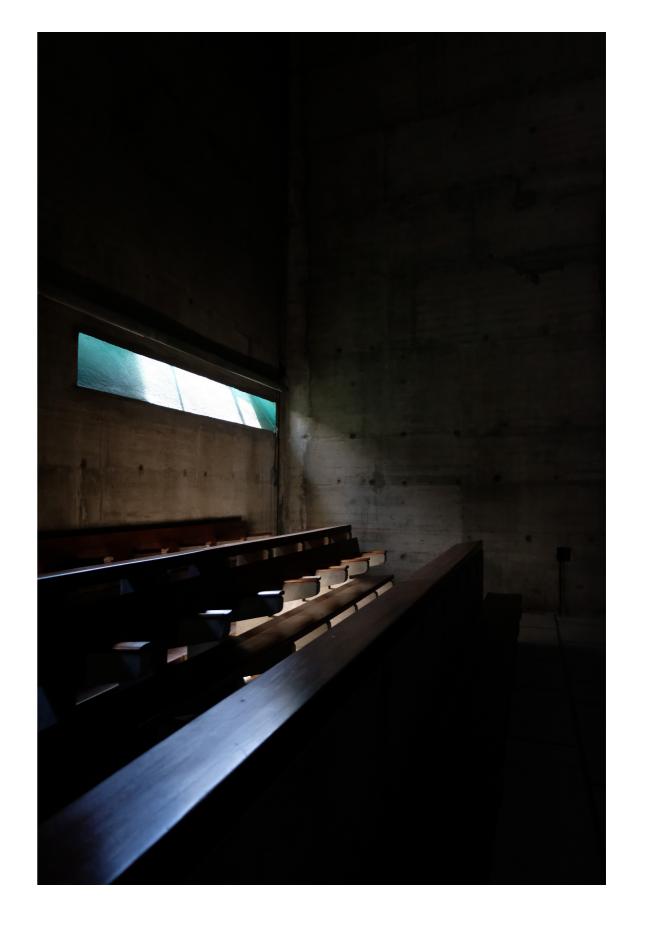
Sacred spaces





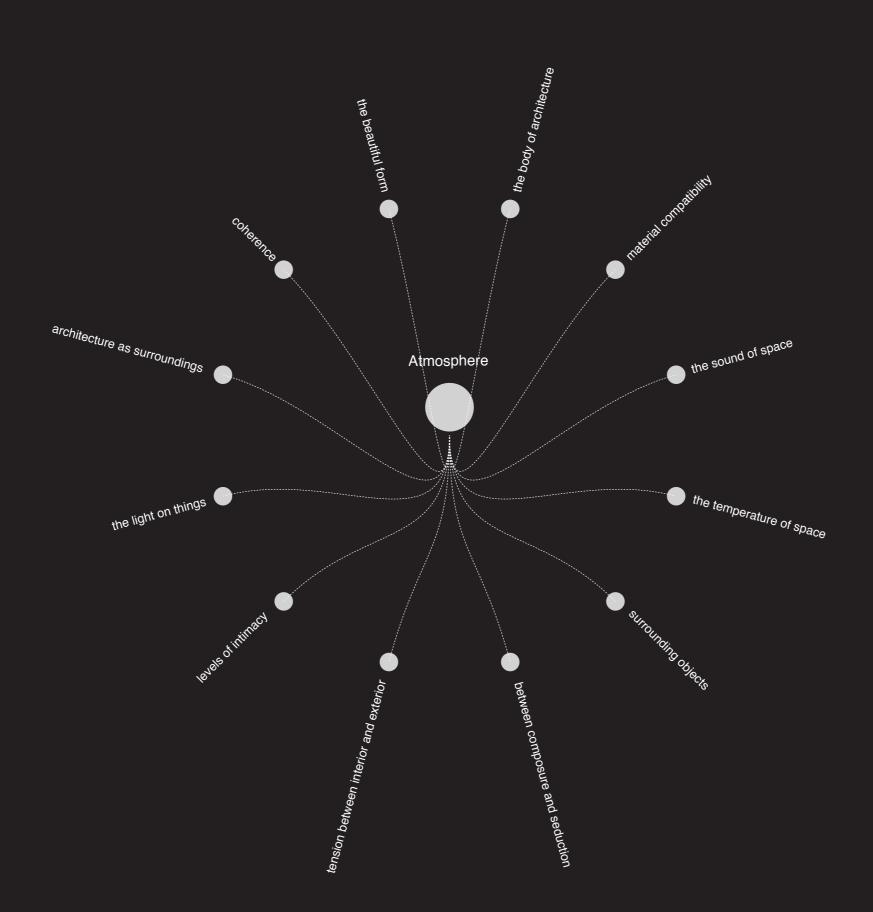
Couvent Sainte Marie de la Tourette





Sacred spaces

Sacred spaces - Atmosphere



Sacred spaces - Atmosphere

Creation of Emotional / Contemplative Spaces

Sacred spaces - Atmosphere

Creation of Emotional / Contemplative Spaces

Death as a Theme

Sacred spaces - Atmosphere

Creation of Emotional / Contemplative Spaces

Death as a Theme

A Space to Contemplate Death

Sacred spaces - Atmosphere

Creation of Emotional / Contemplative Spaces

Death as a Theme

A Space to Contemplate Death

Landscape

→ Design

Sacred Spaces - Atmosphere

Creation of Emotional / Contemplative Spaces

-----> Design

Death as a Theme

A Space to Contemplate Death

Landscape

How can we make atmosphere in architecture more approachable?

Sacred Spaces - Atmosphere		
Creation of Emotional / Contemplative Spaces		
	\longrightarrow	Design
Death as a Theme		
A Space to Contemplate Death		
Landscape		
How can we make atmosphere in architecture more approachable?		
Foundation Models (AI)	\longrightarrow	Research



Research

How can we 'process' architecture atmospheres so that it is more approachable?

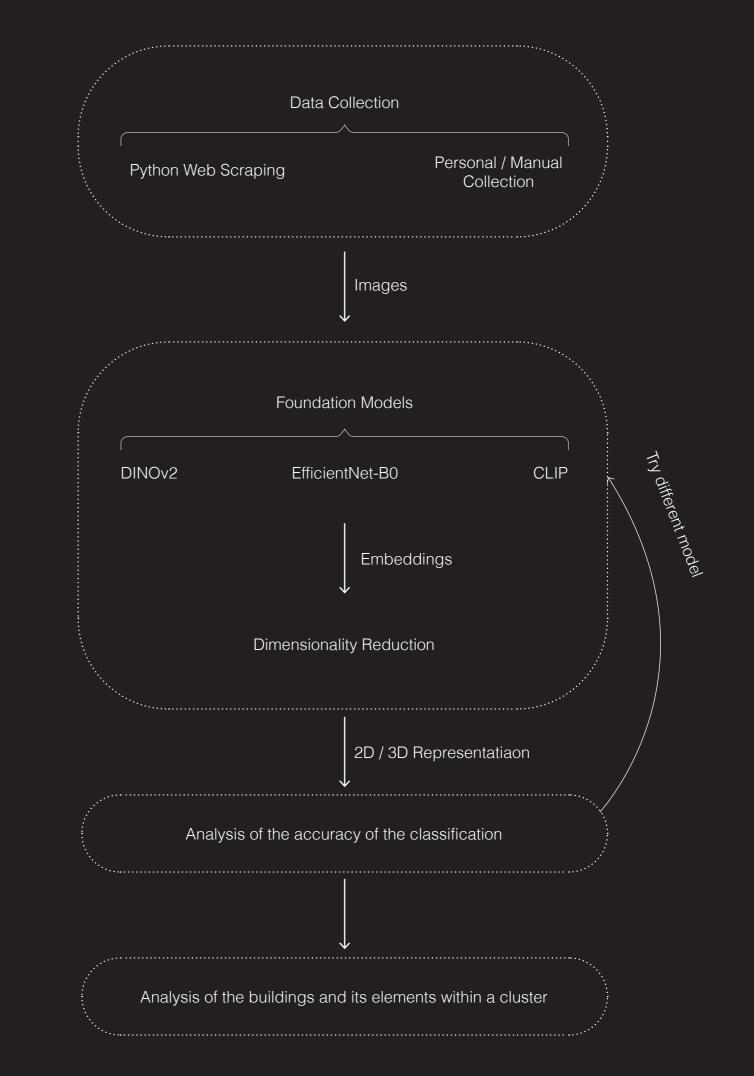
Atmospheres is the emergent quality of various elements in the building that we perceive (measurable)

This process of recognising implicit and abstract concepts out of measurable input is something that foundation models (Al models) do well at scale

The visualised output of foundation models can be used to navigate the theme of atmospheres

This can be used to evaluate AI tools

Method



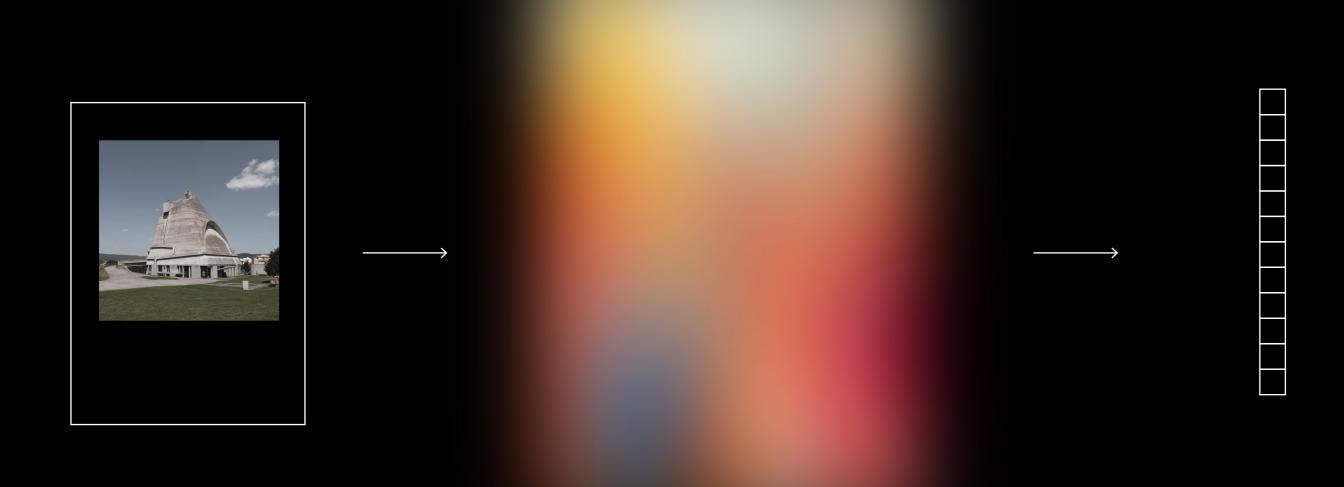
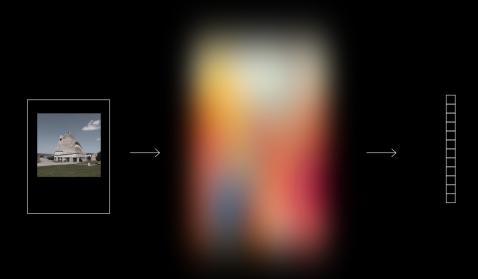
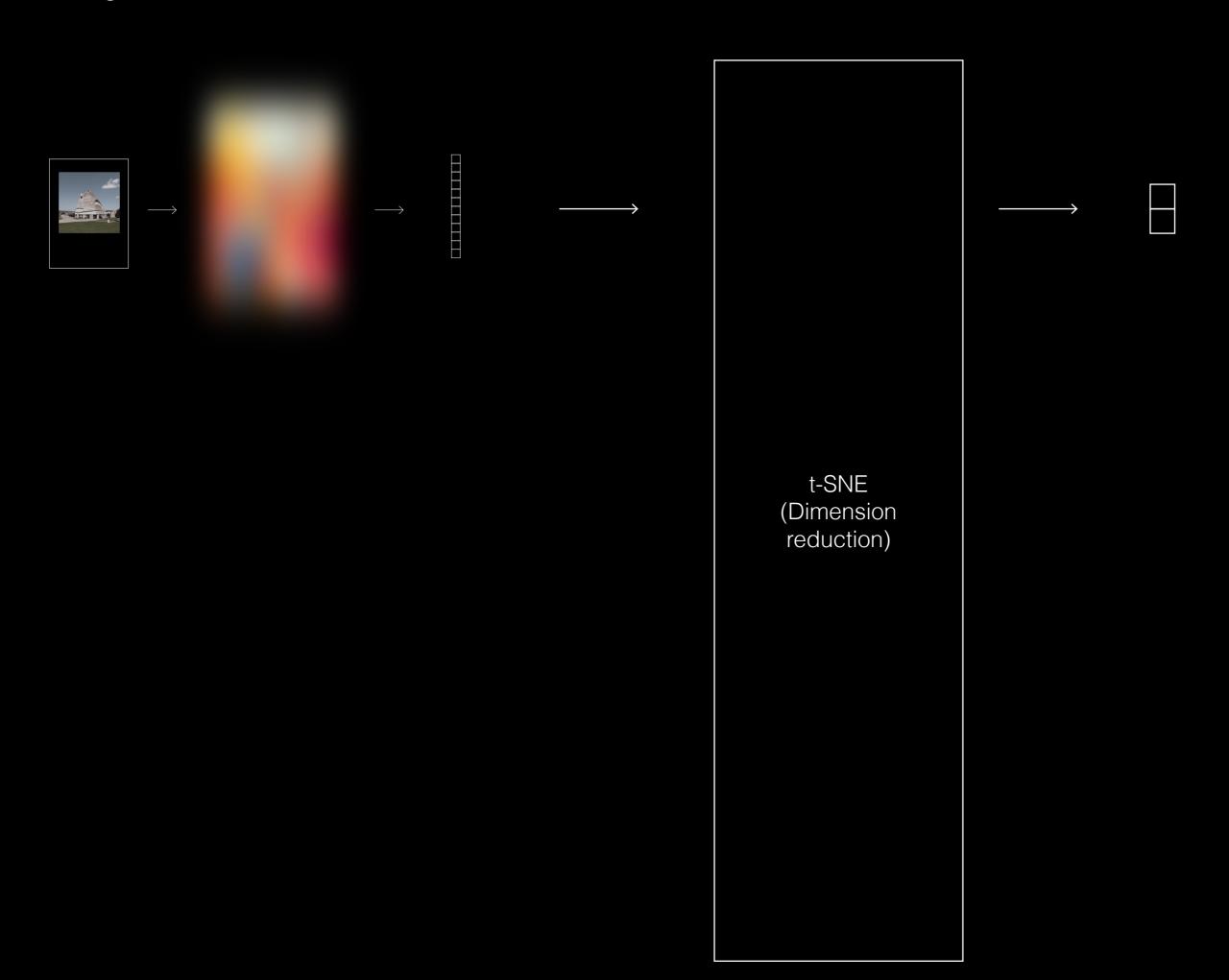
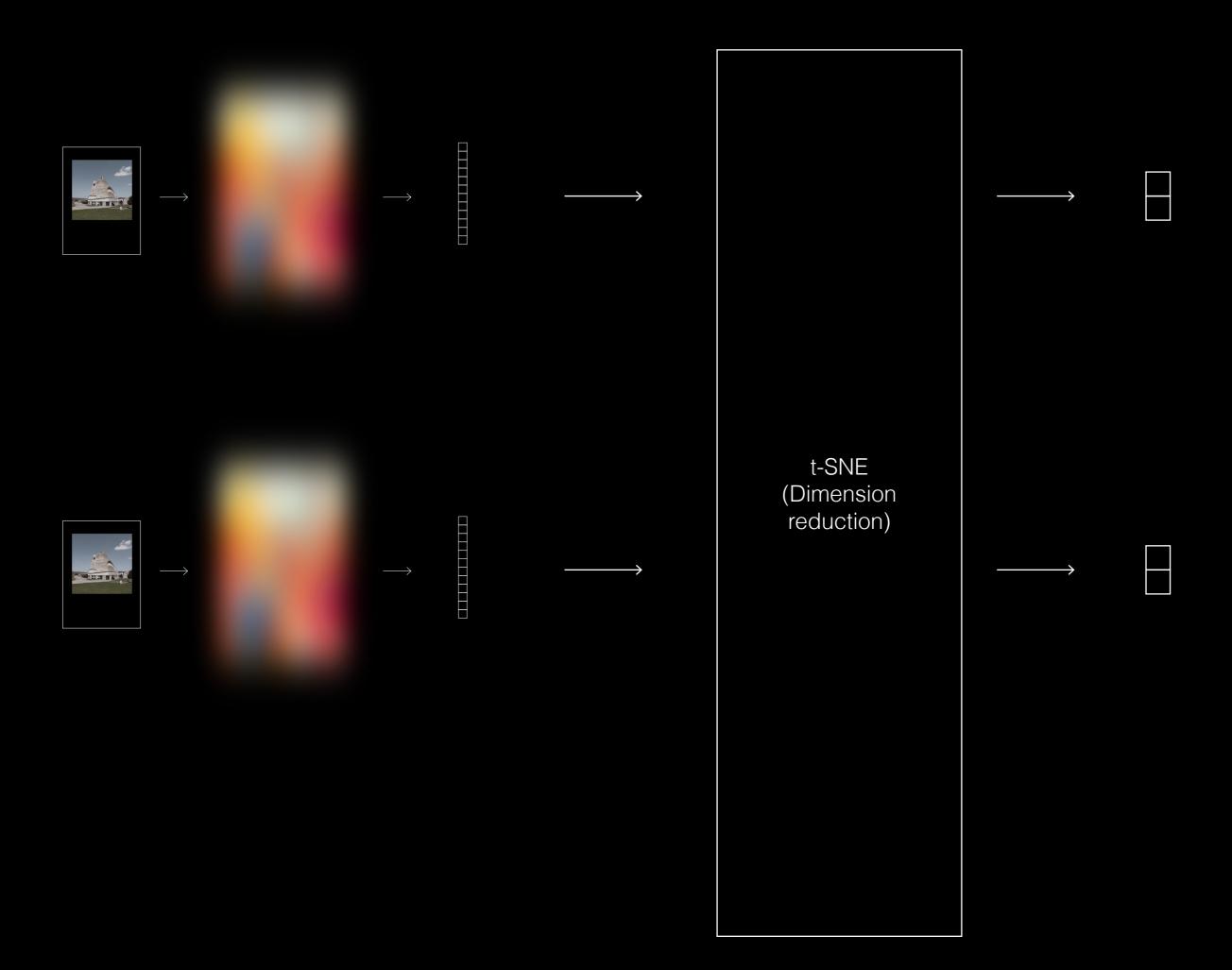


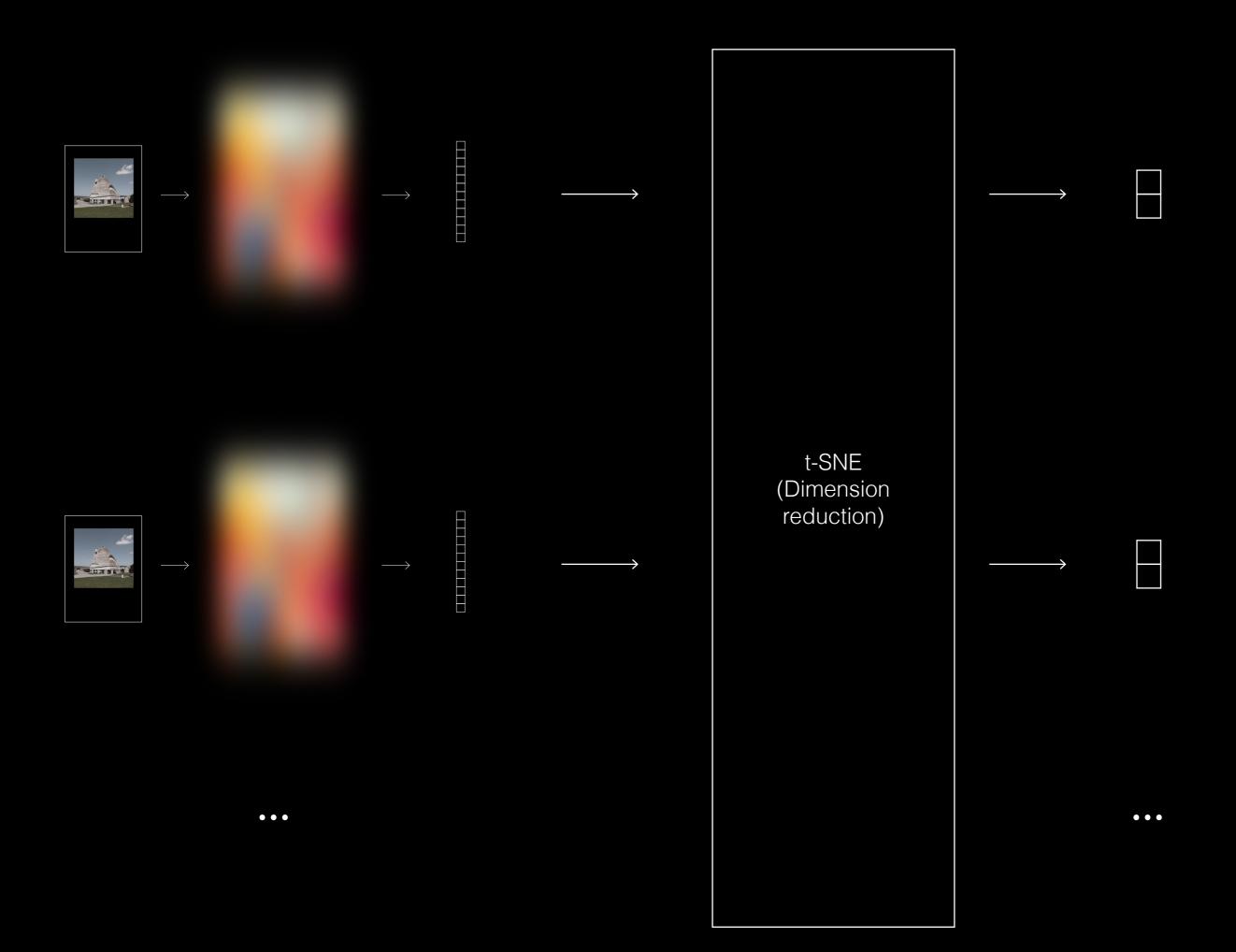
Image Model Vector Embedding

Contains all the features that the foundation model detects in an image.	
such as "How much of the image is blue?"	
"How round is the subject of the image?", etc	
vector format: (0.871236, 0.615235, 0.135234	



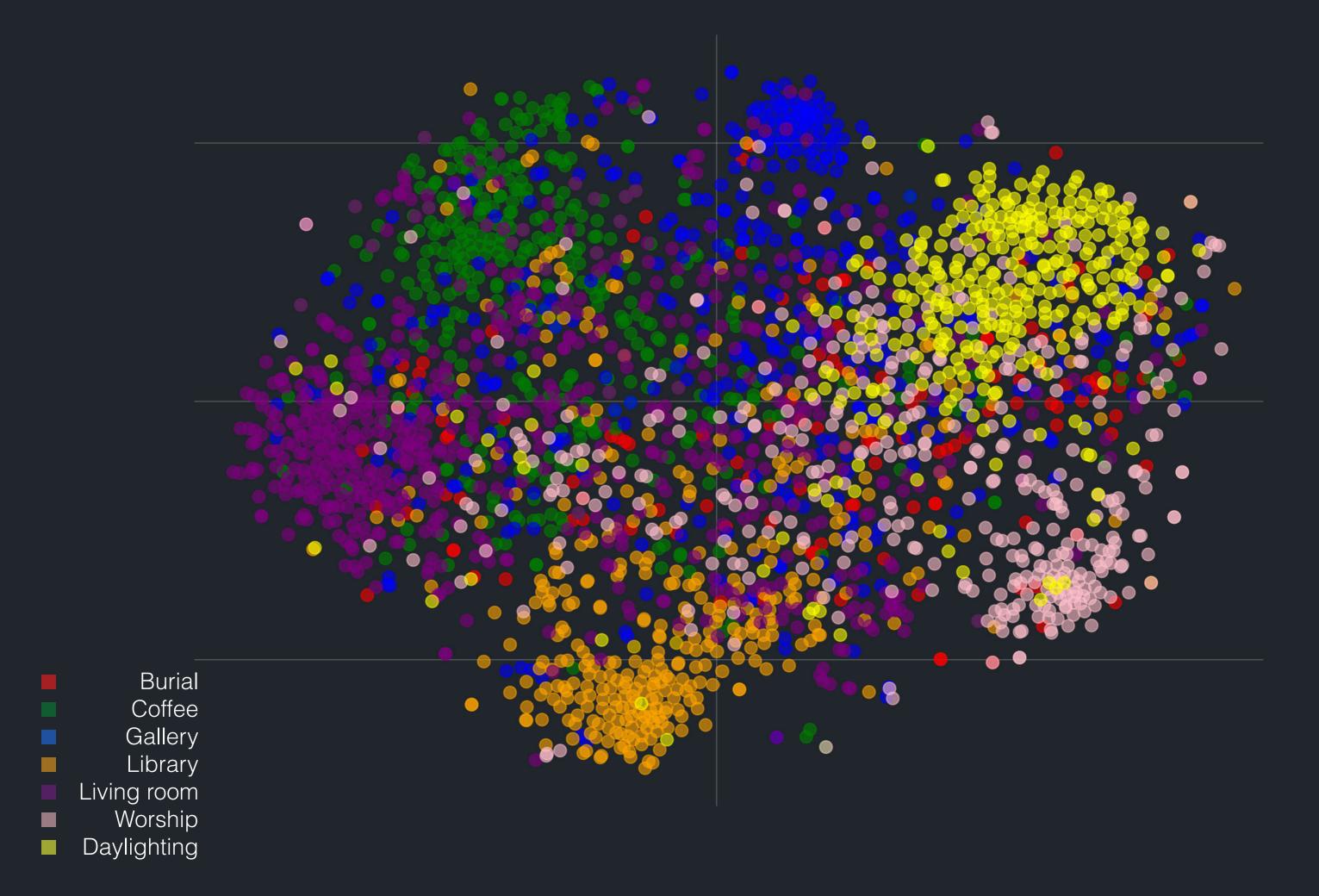




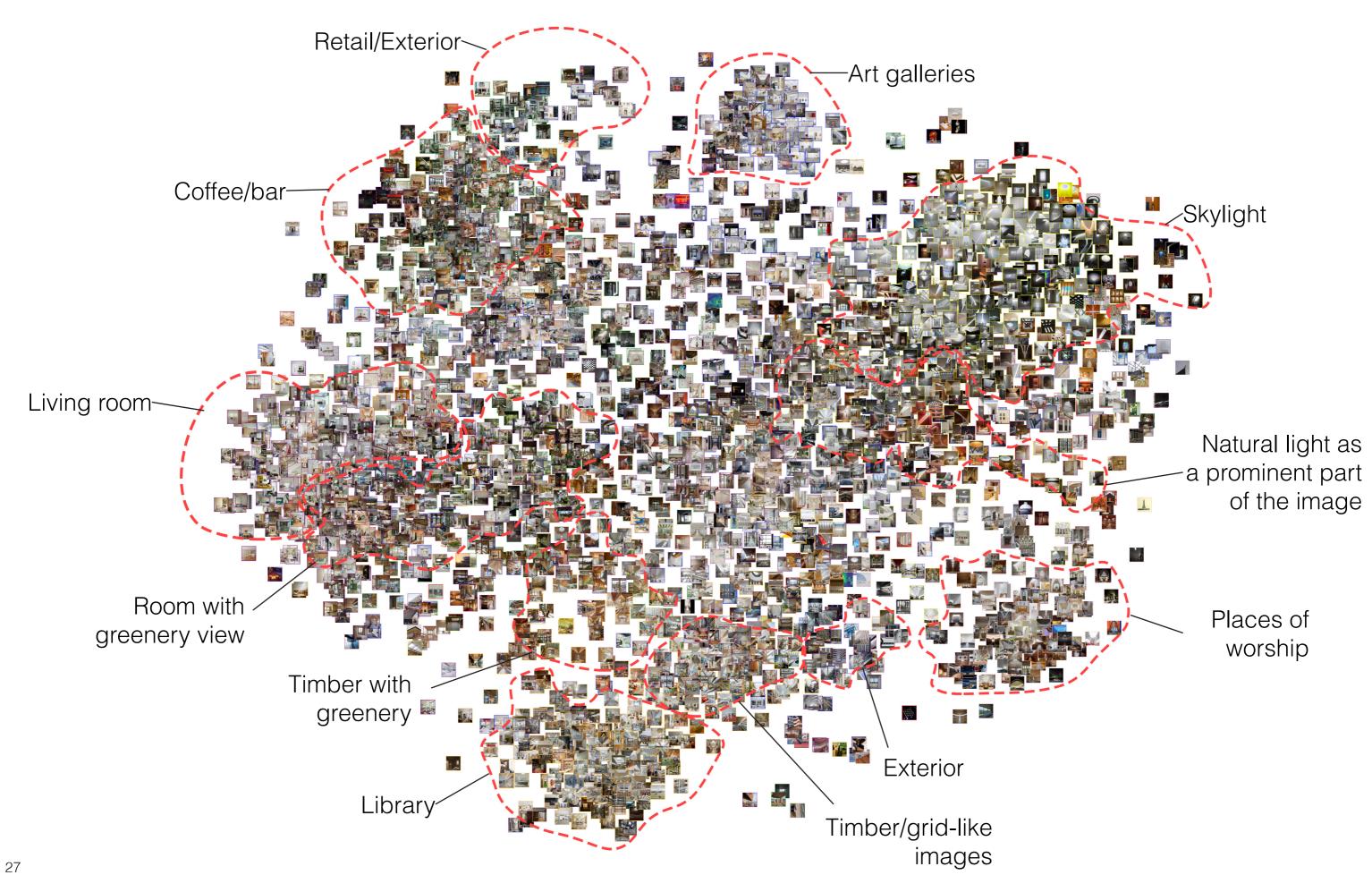




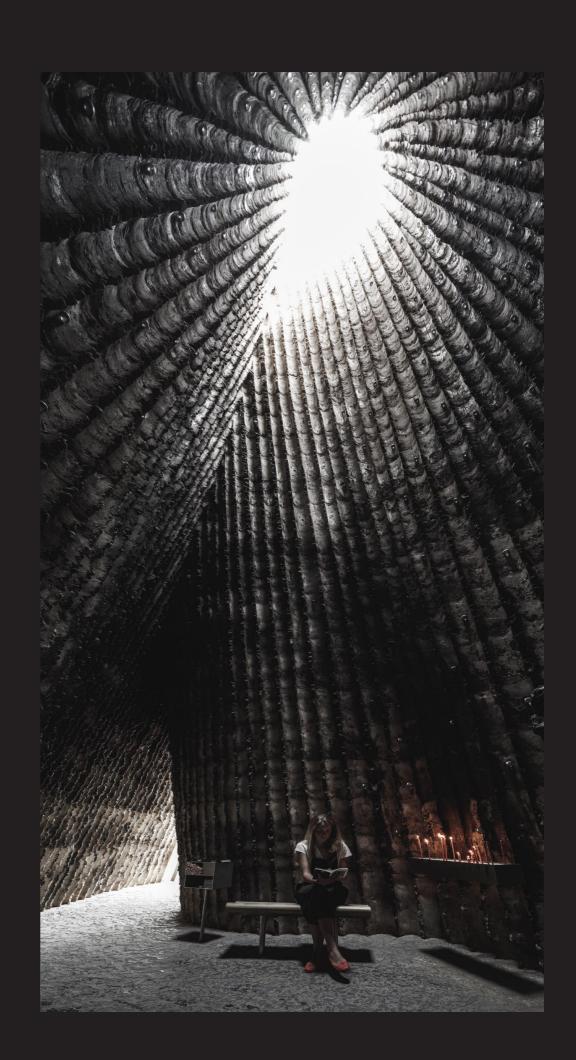






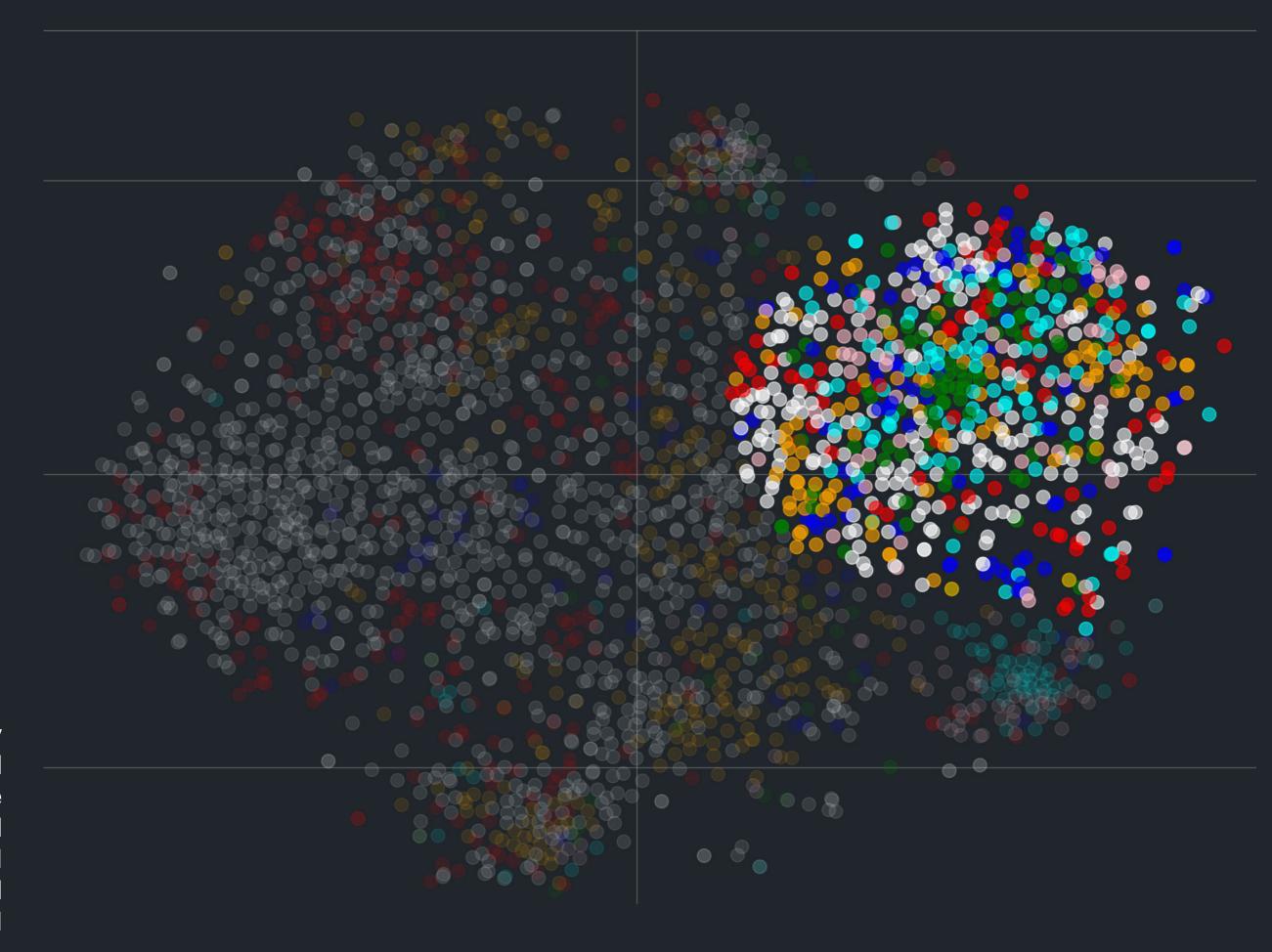


Use-case: Precedent Finding









"An image that has a ____ atmosphere"

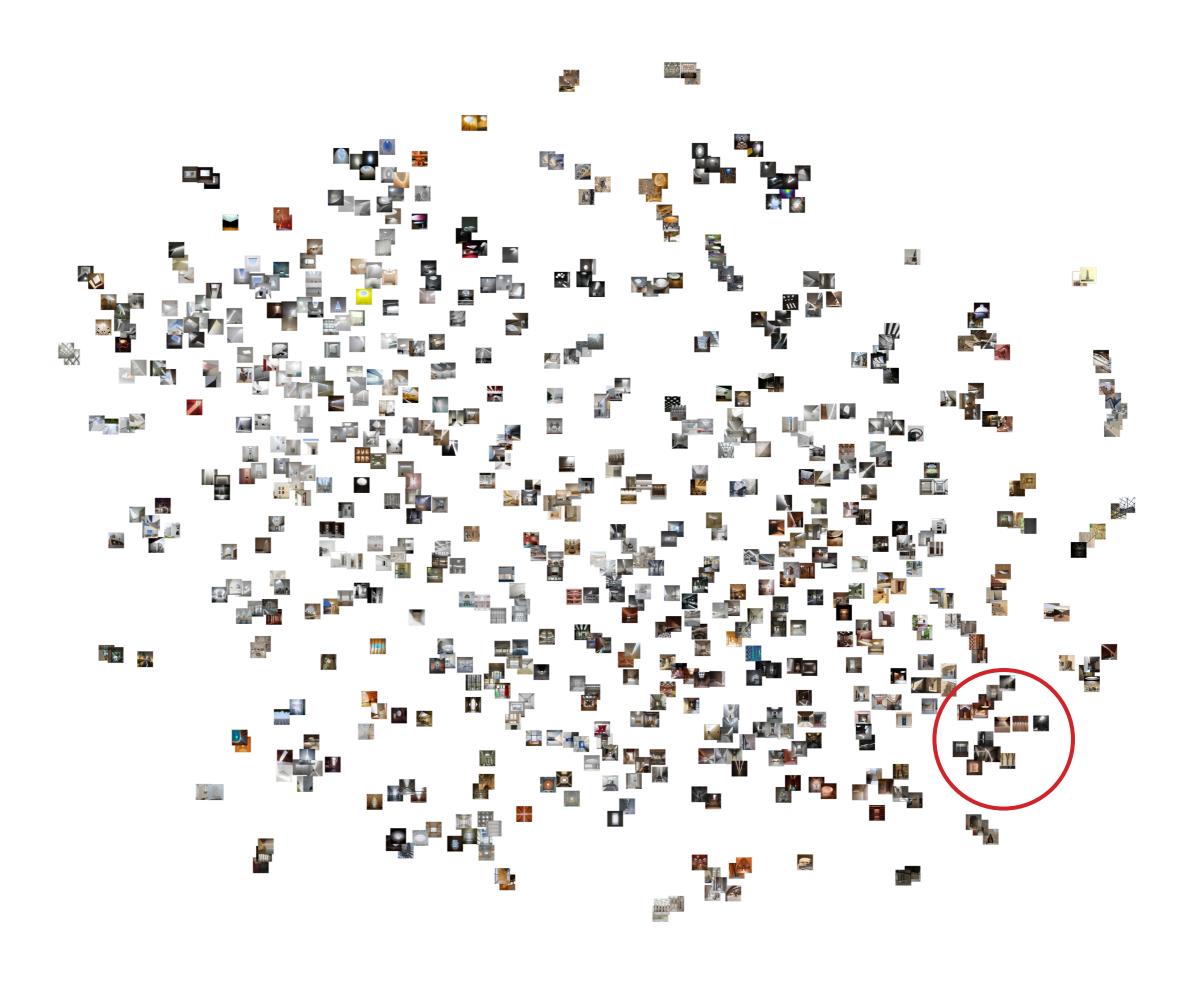
Cosy Transcendental

Serene

Retail

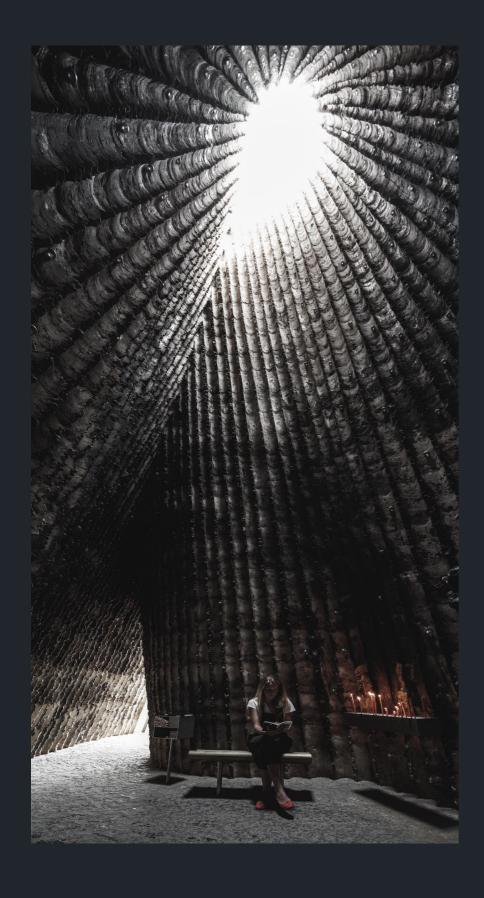
Relaxed

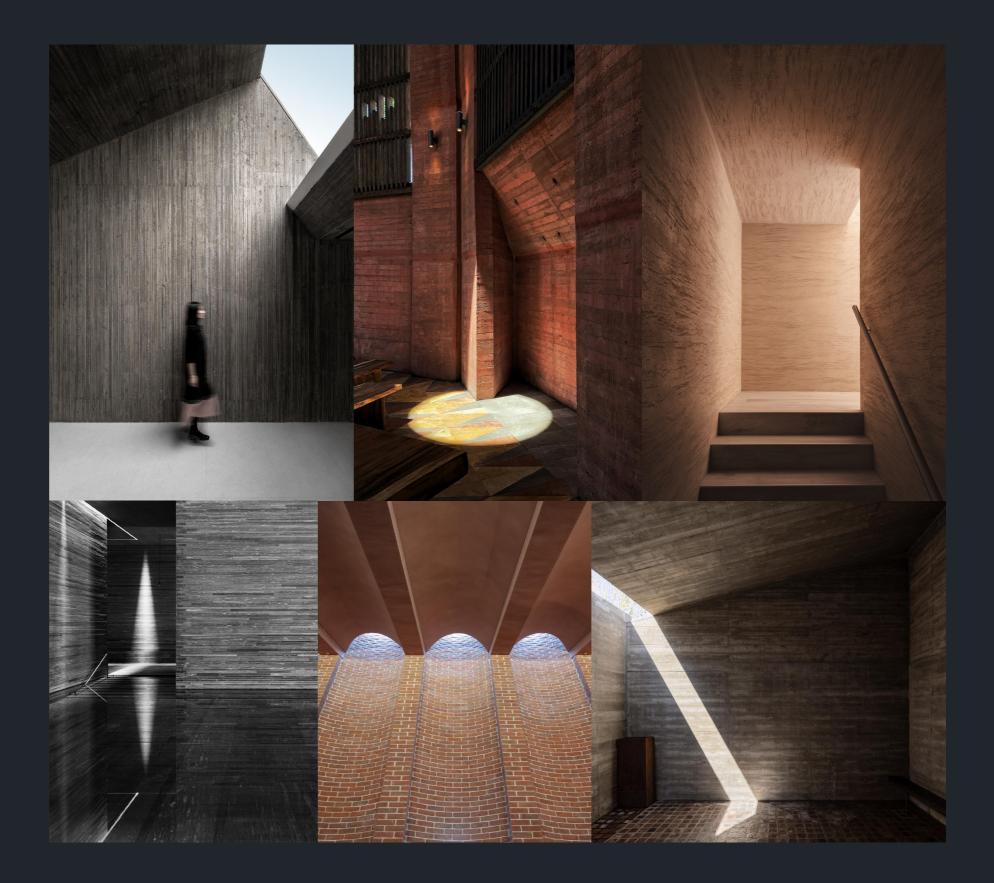
Spiritual Sacred

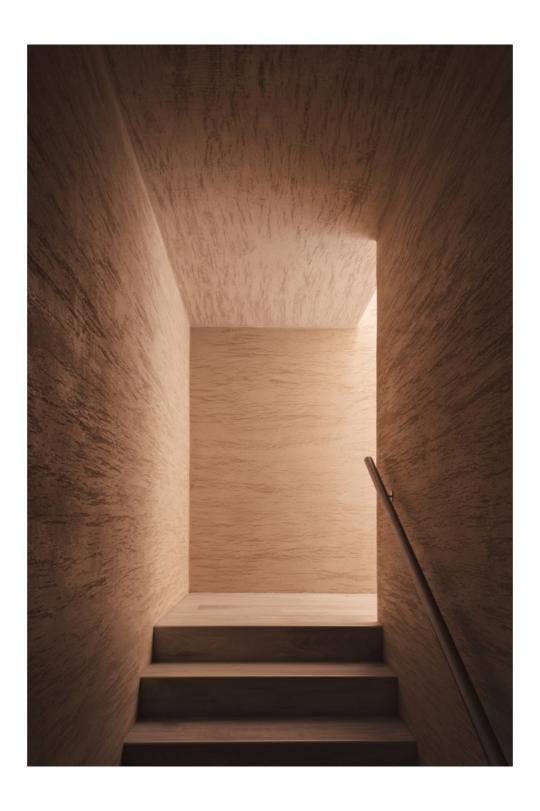


2D Plot (Zoom in - using DINOv2)

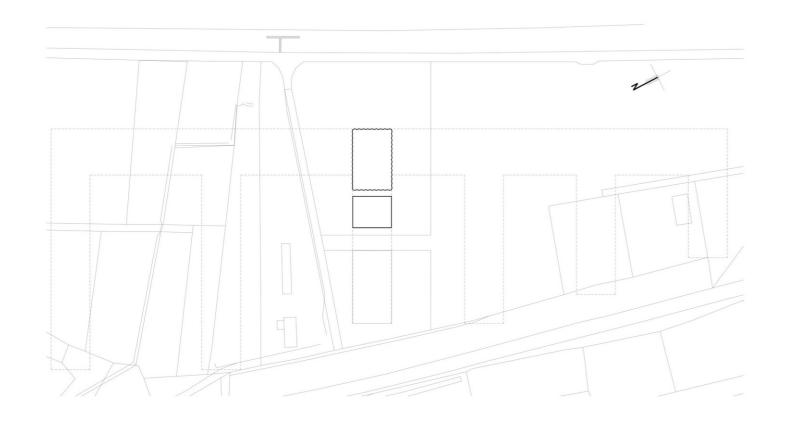


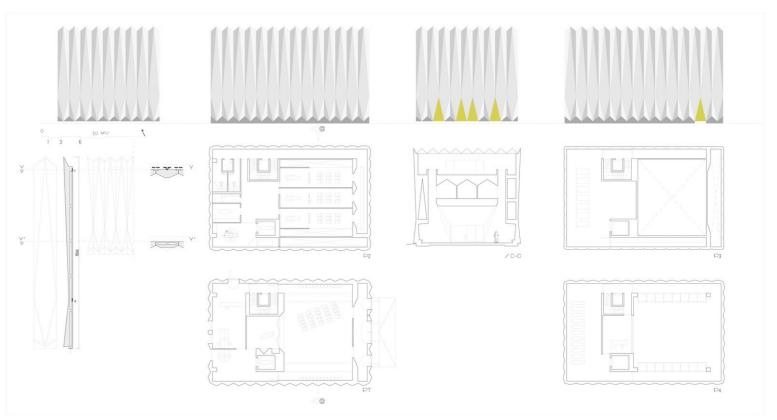


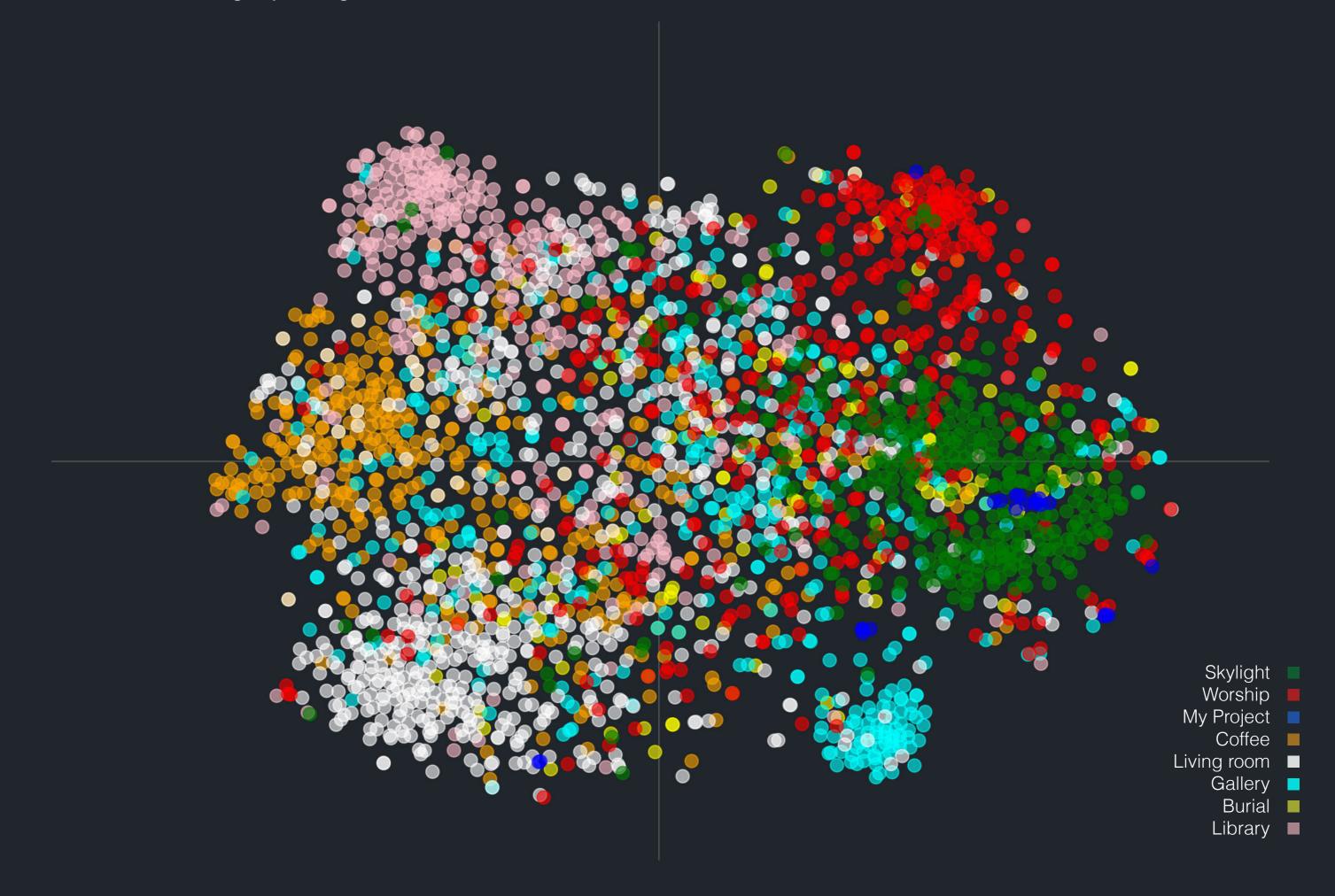




CAFUBE Funeral Home- LOKOMOTIV.archs







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	\longrightarrow	Design
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Brief

Design Brief

A space that would allow for the user to approach death in a more direct way.

The design is intended for patients with terminal illness that chooses the option of withdrawing from routine life and society in order to contemplate and process the impossible concept of death.

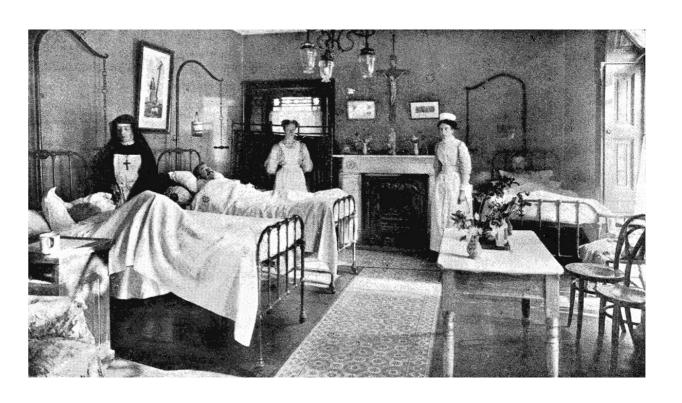
The design aims to serve as a liminal space (a space of transition) between this realm and the next, focused on the theme of coming to terms with mortality (and the typical palliative care).

Elizabeth Kübler Ross- On Death and Dying

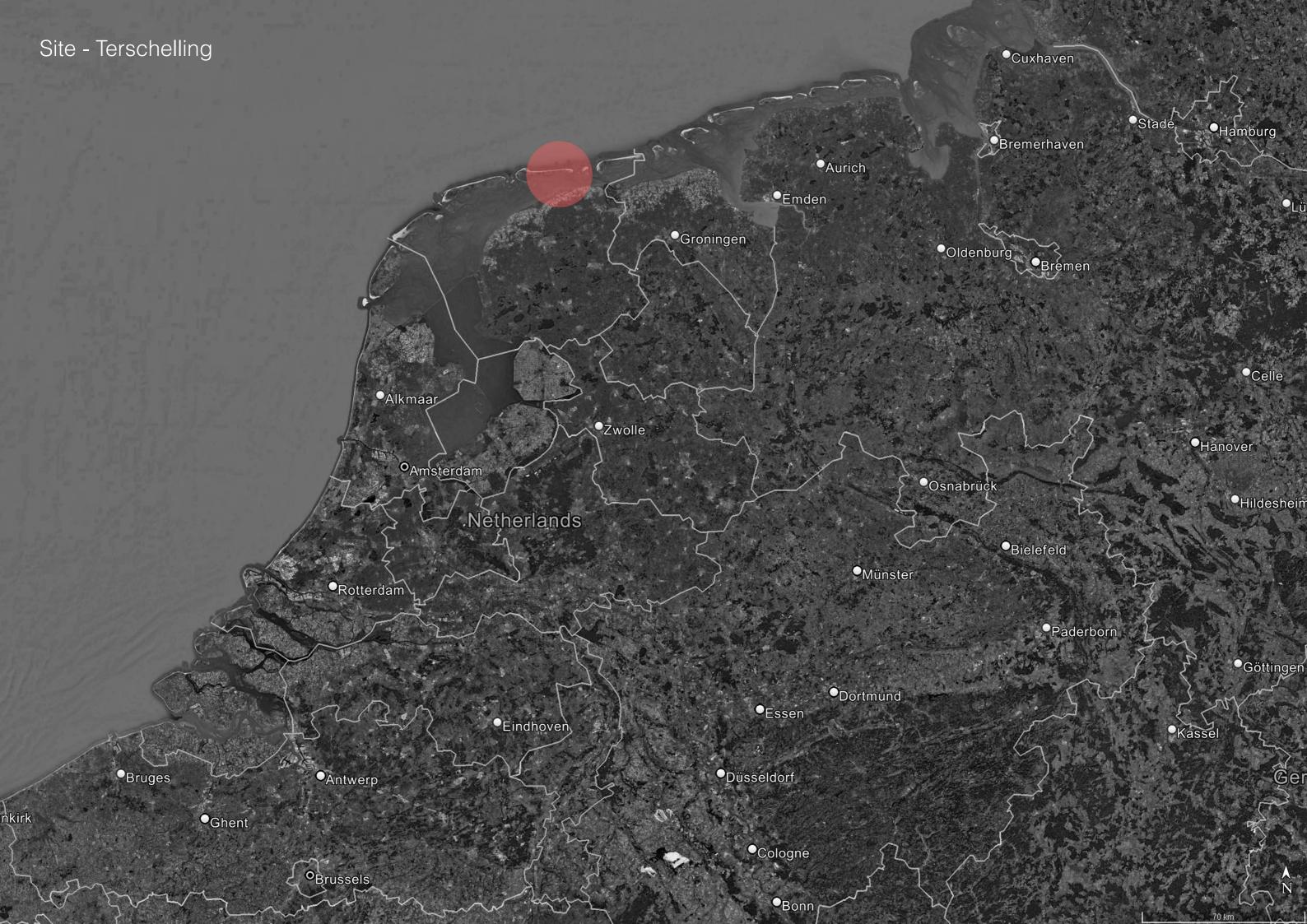
- Denial and Isolation
- Anger
- Bargaining
- DepressionAcceptance

















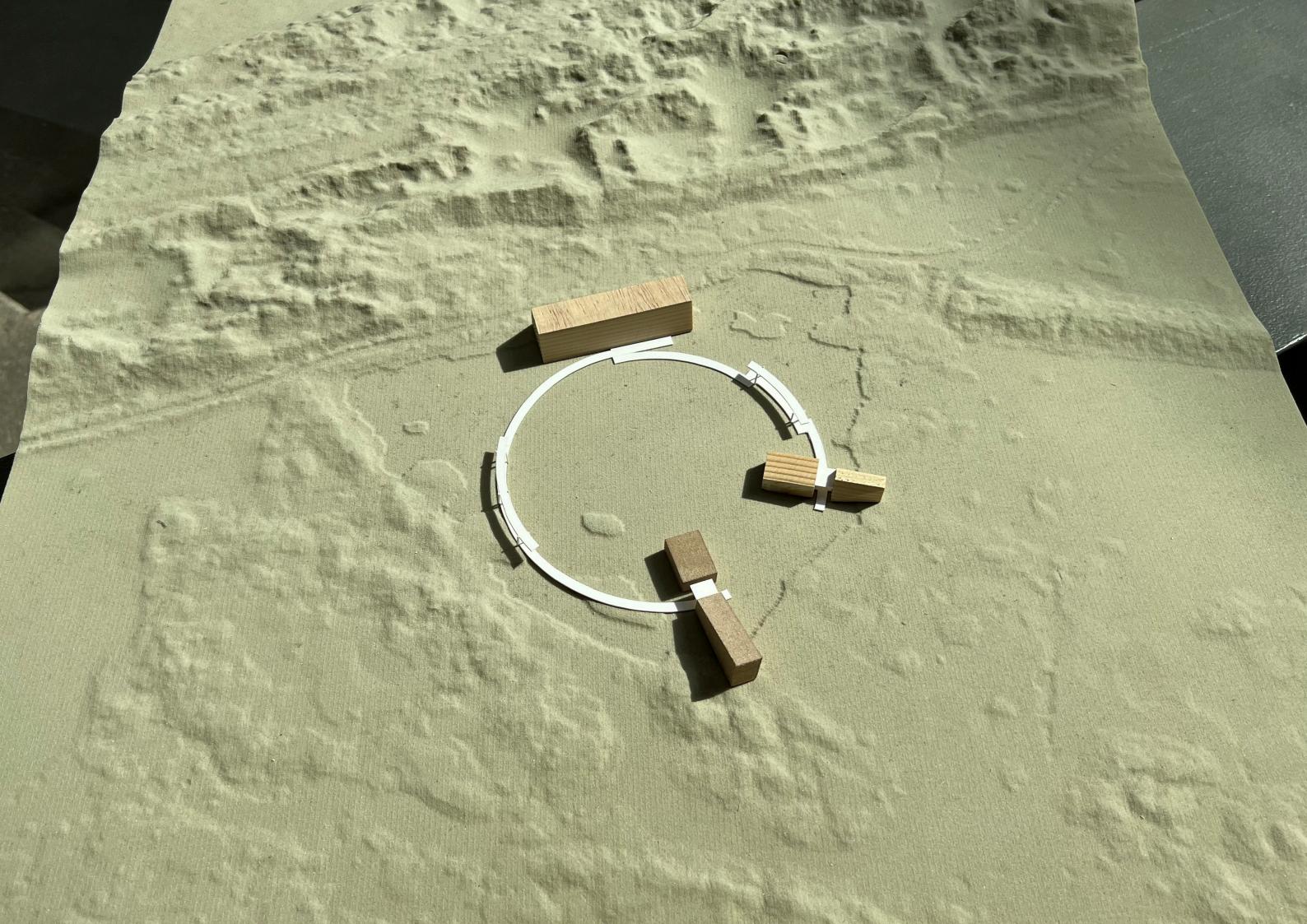


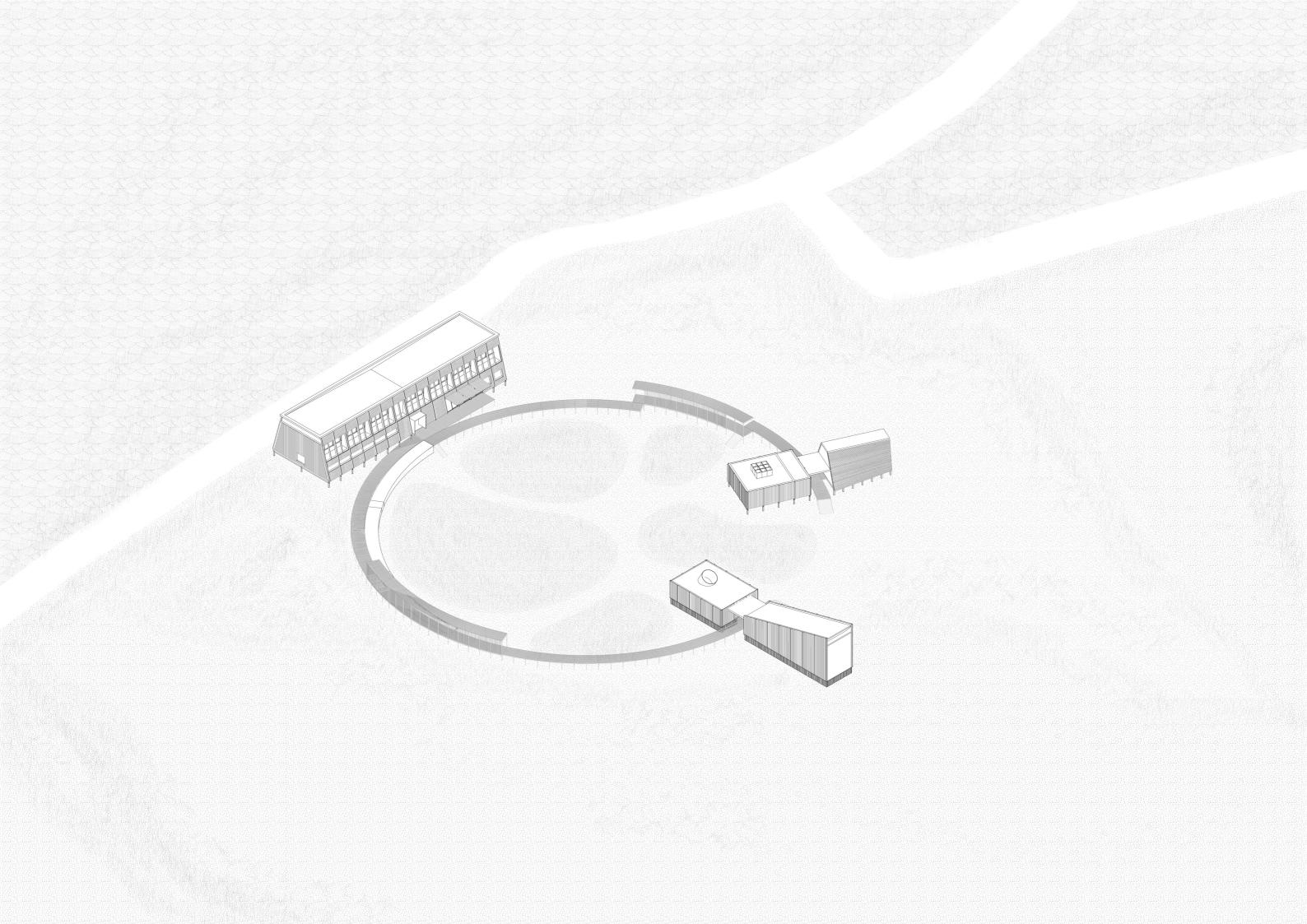


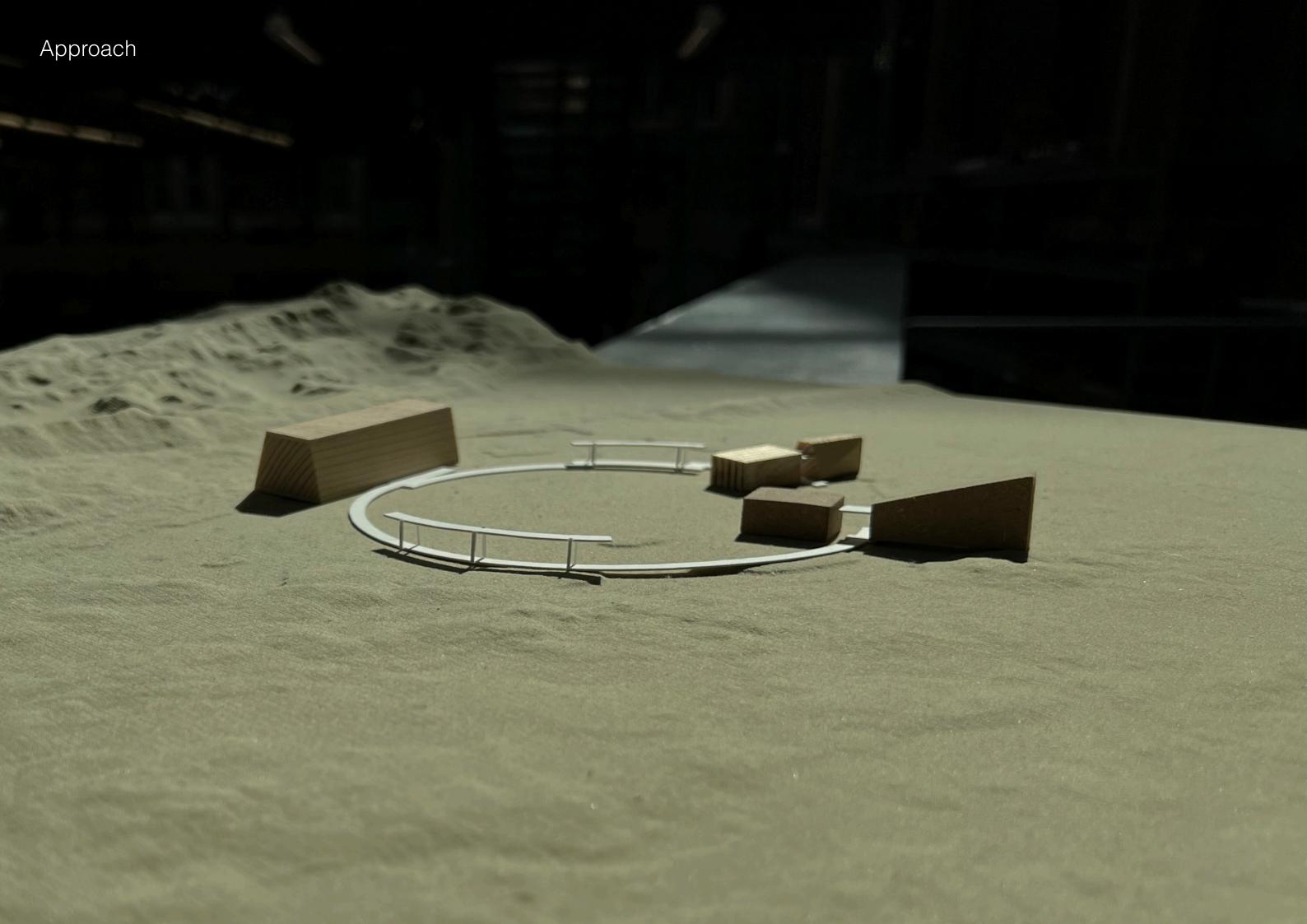


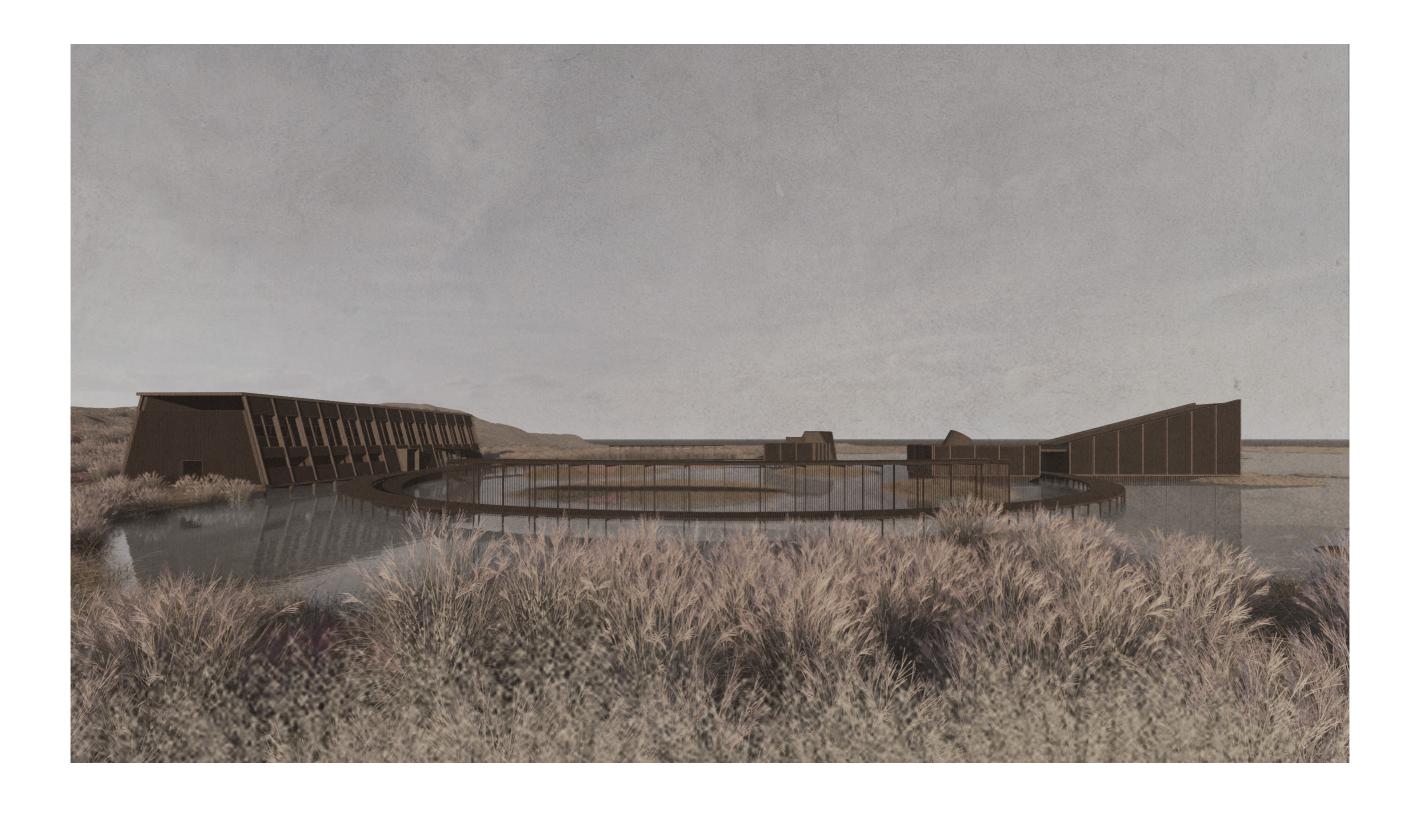


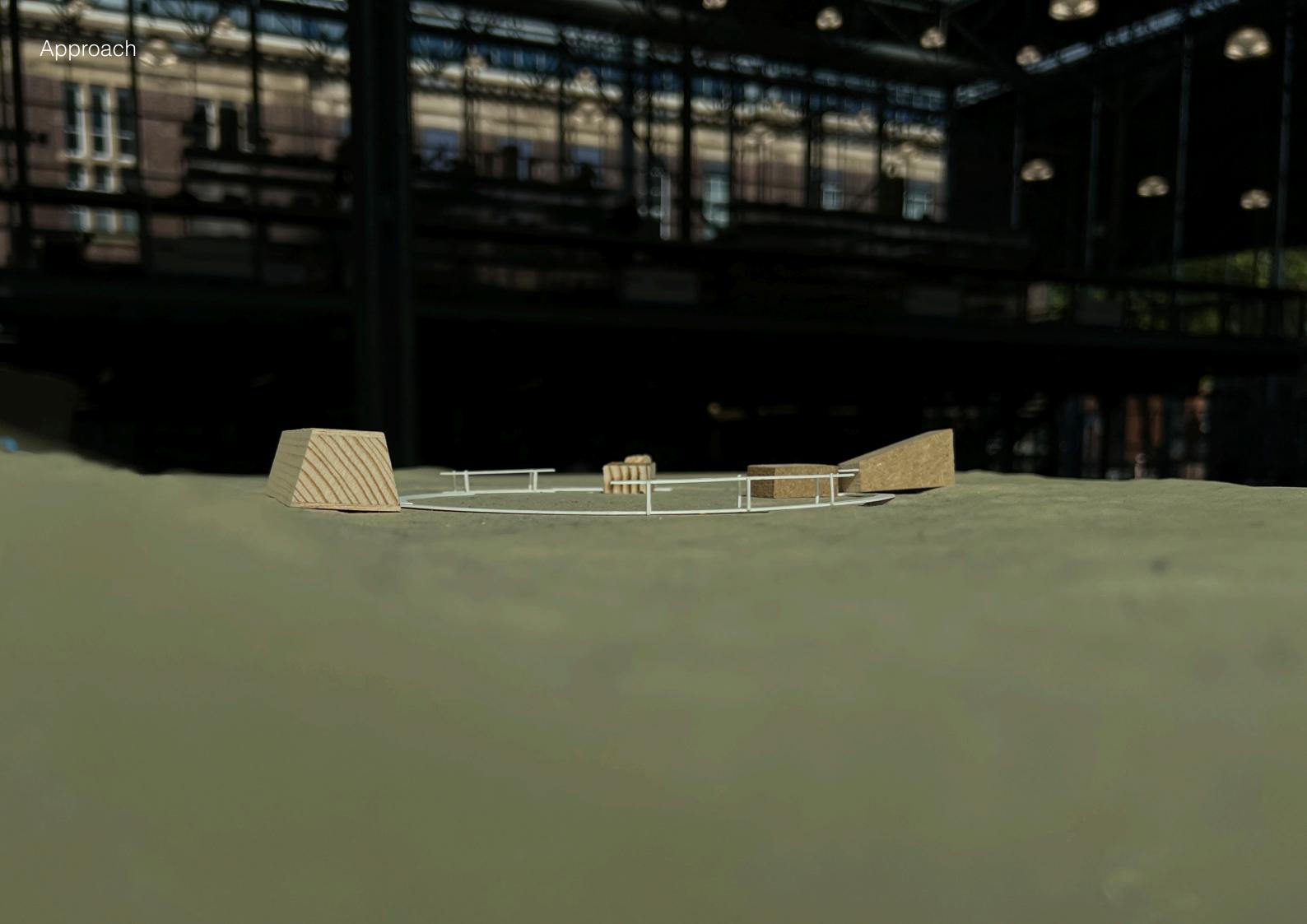


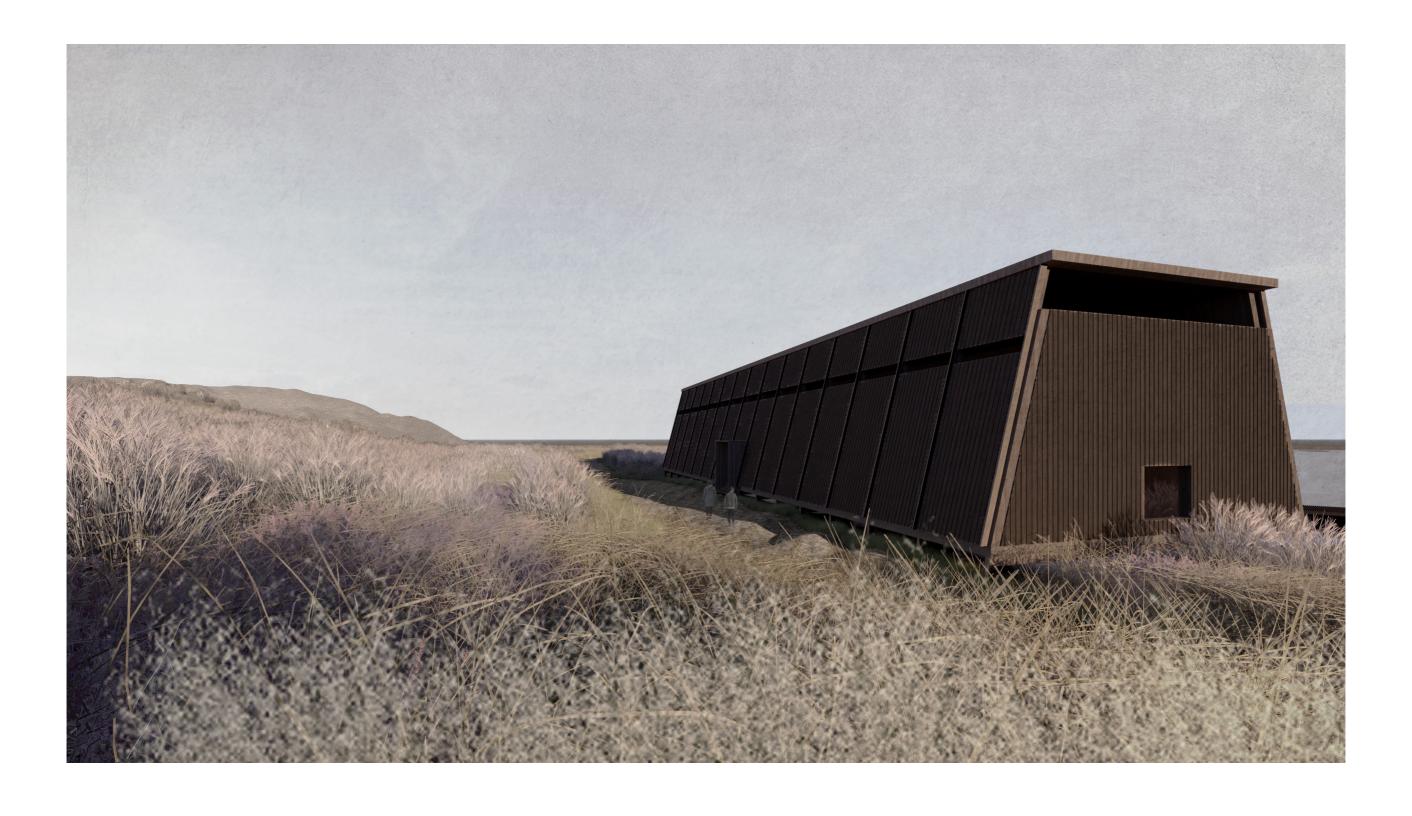


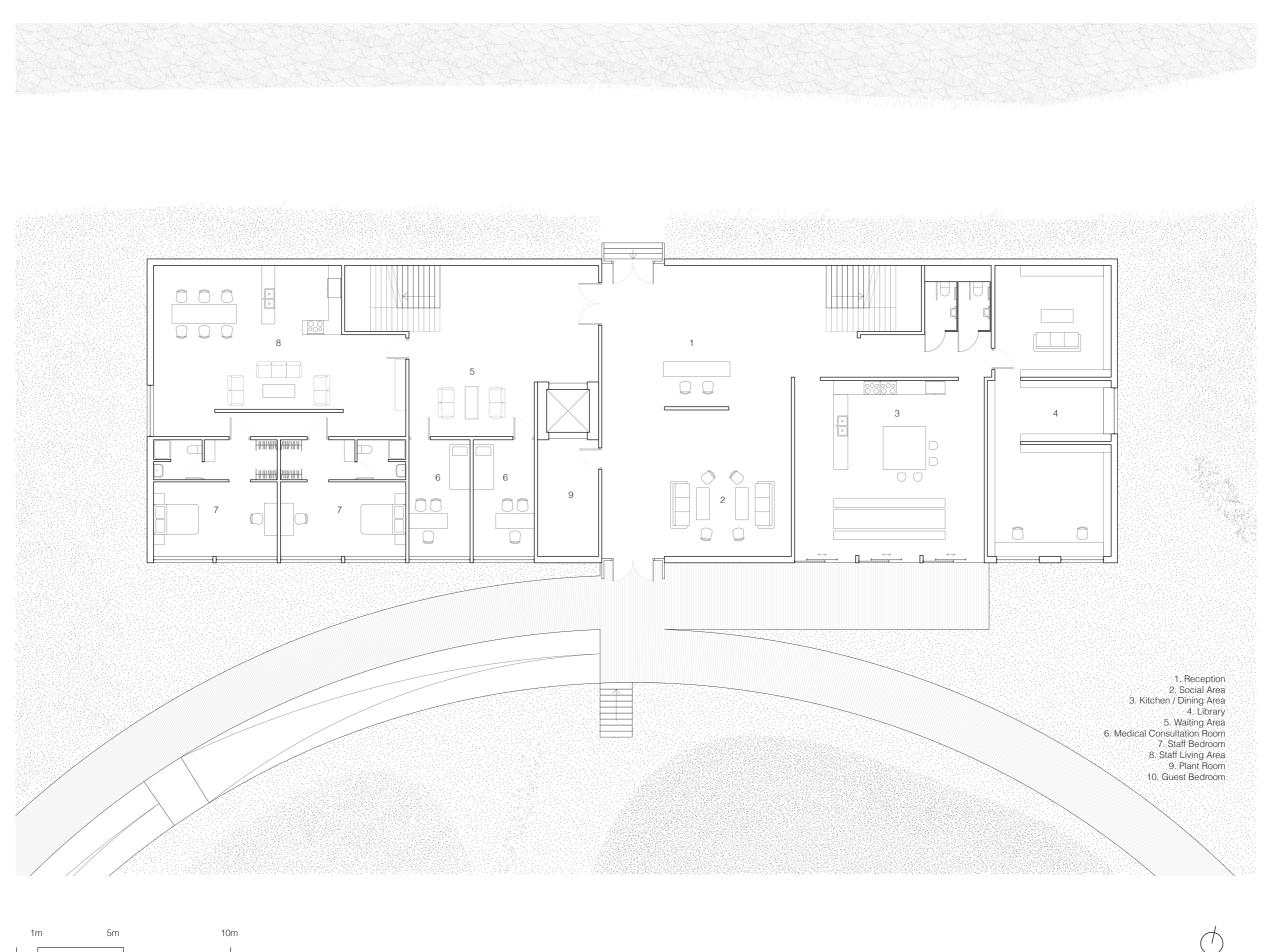




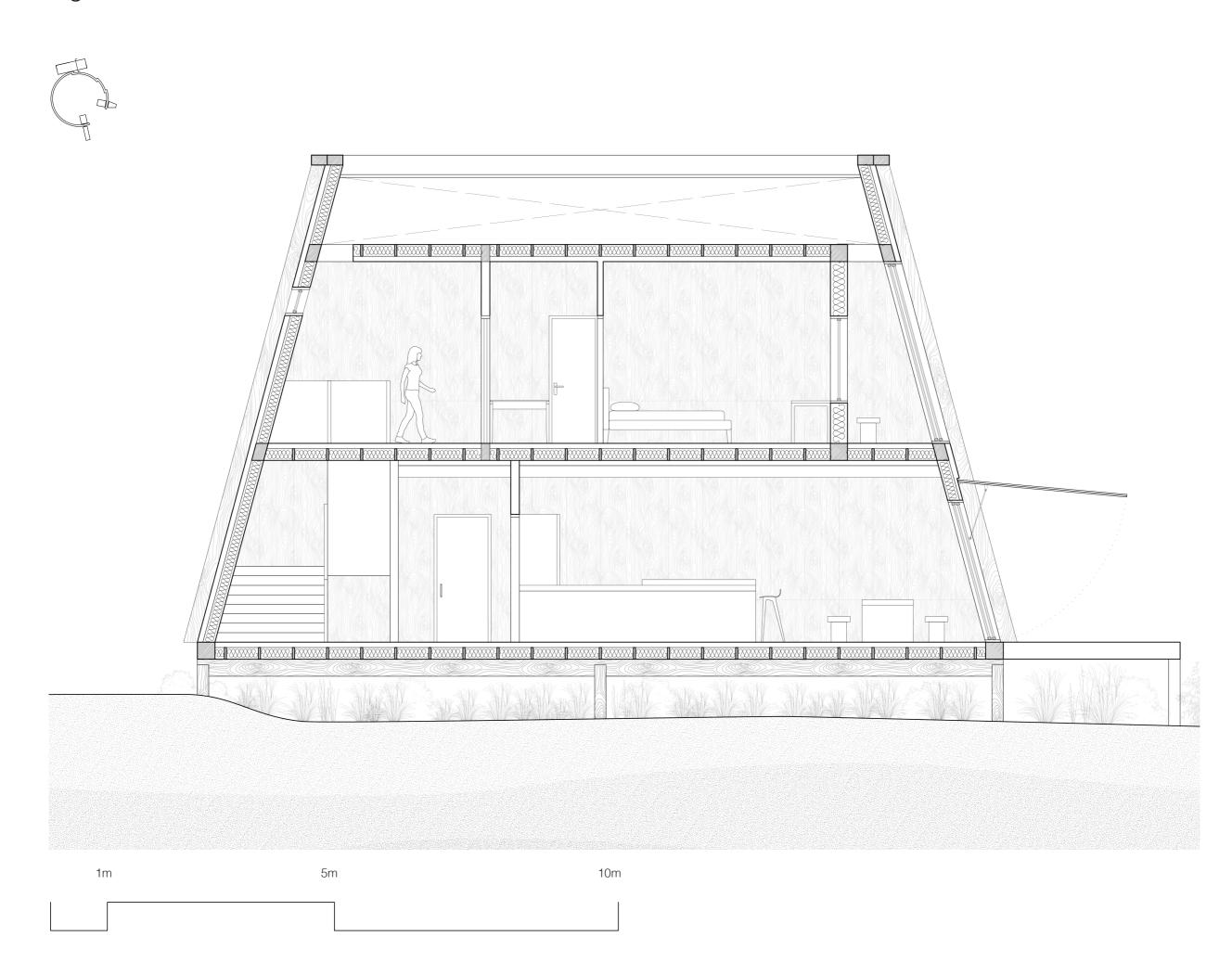




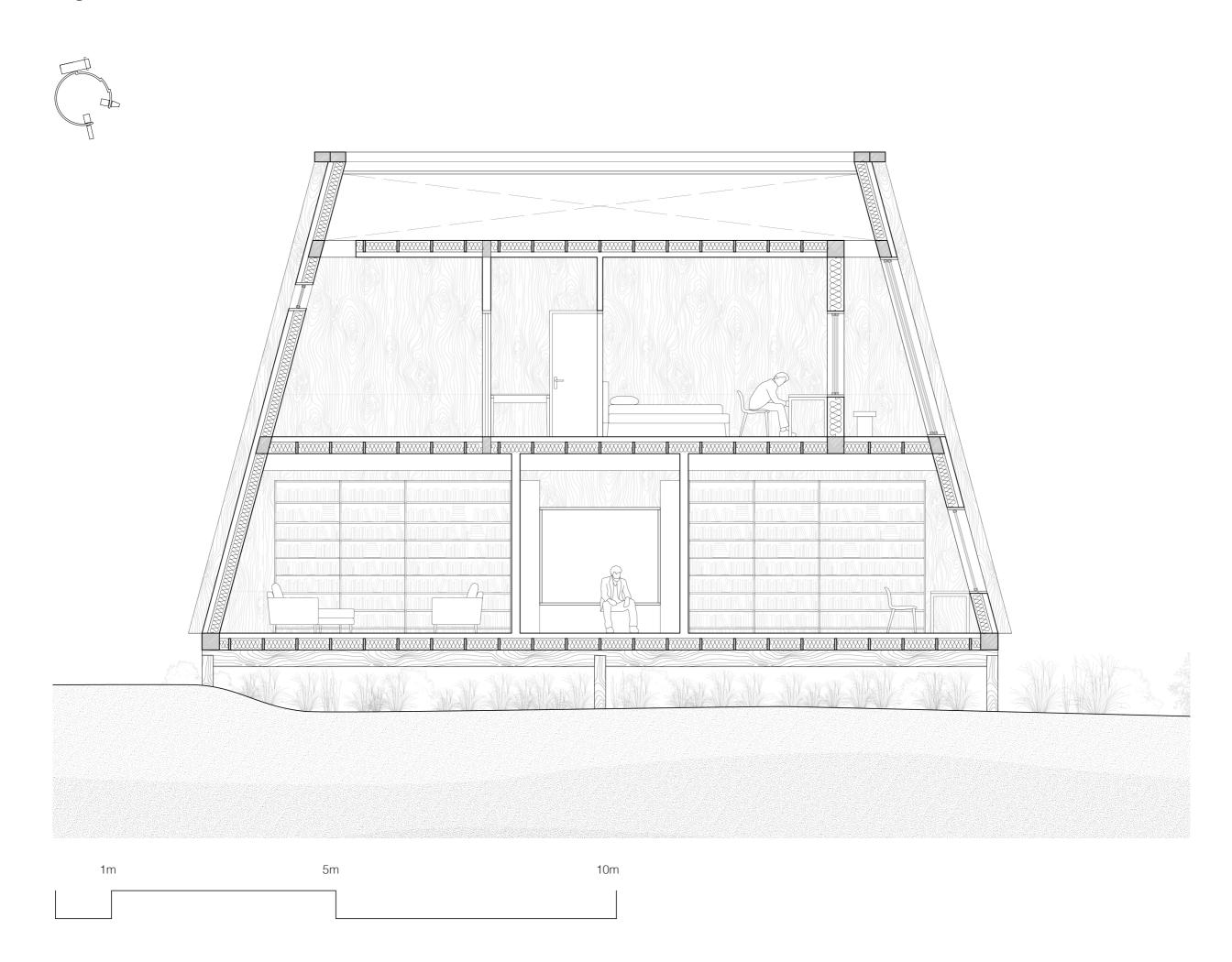








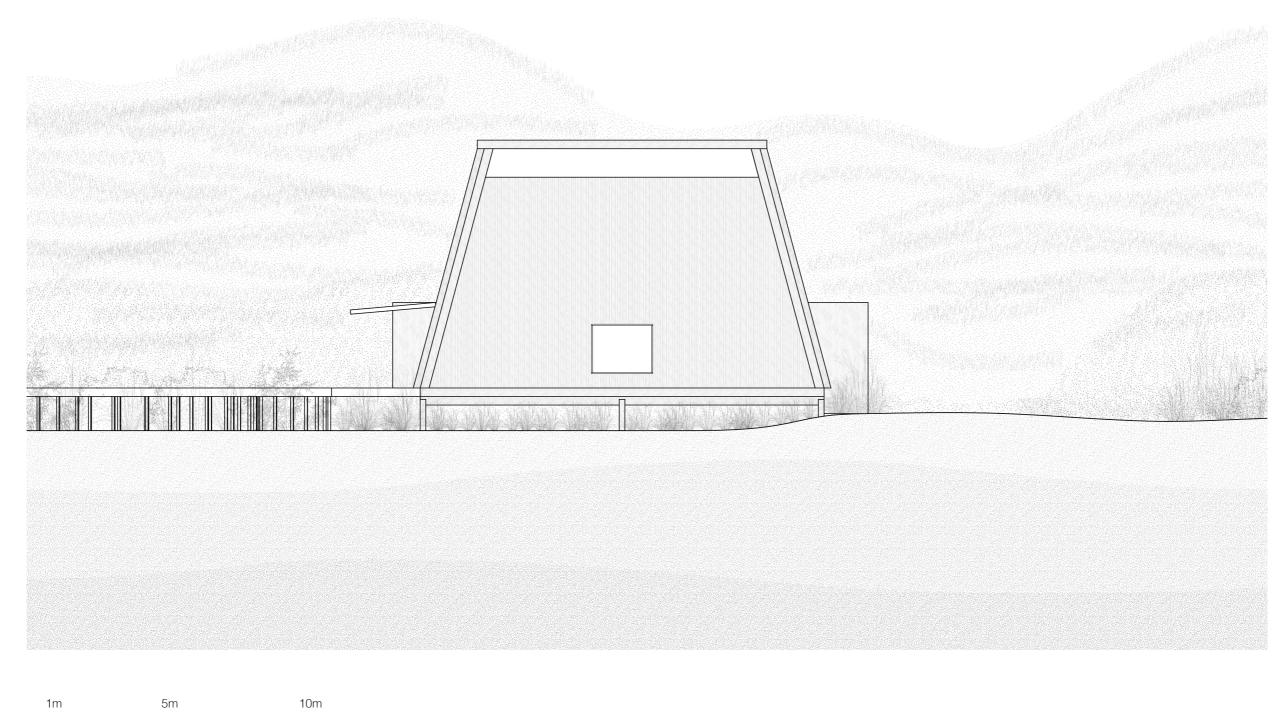






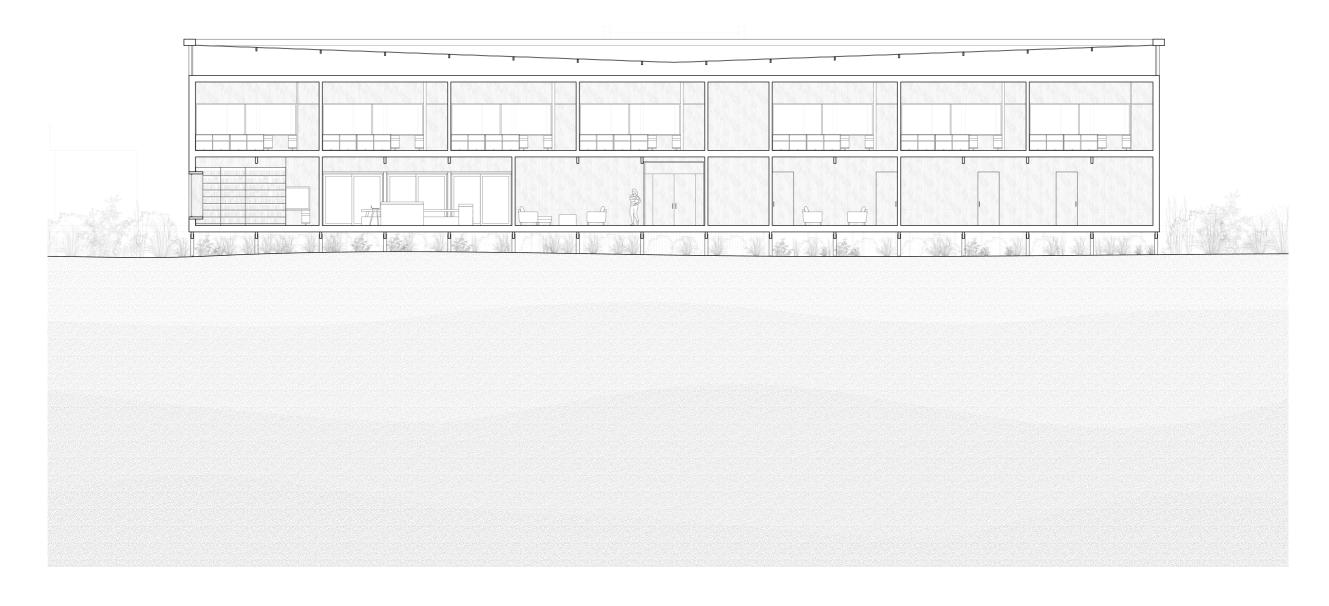




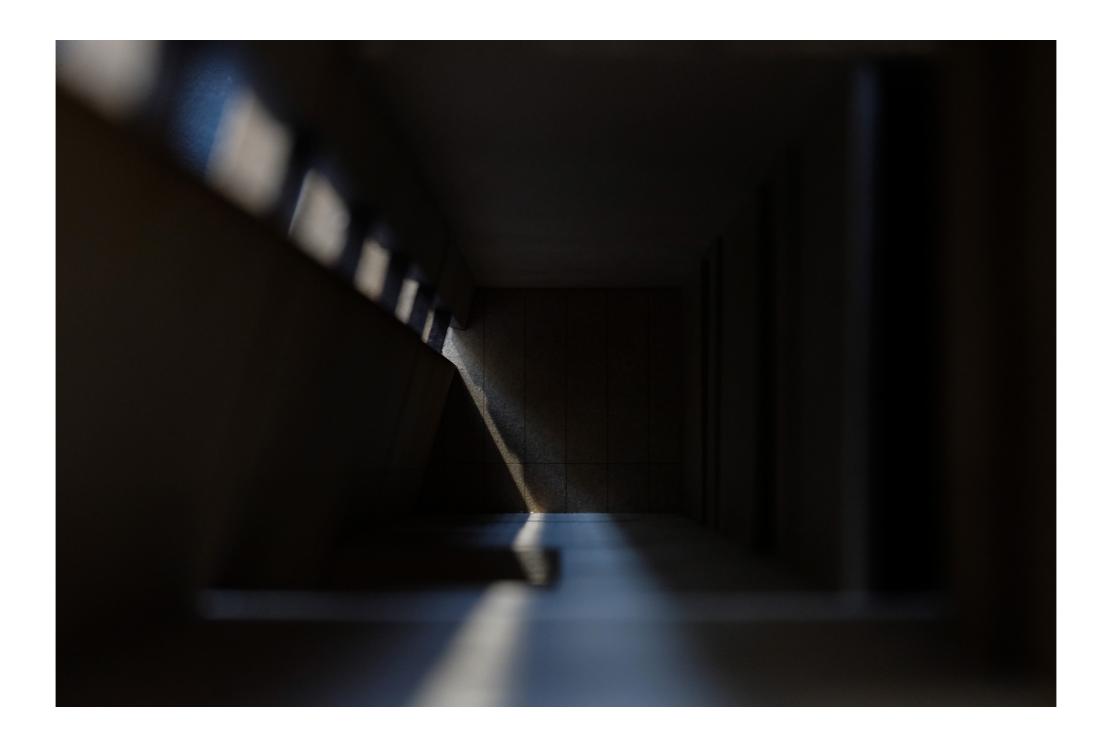


1m 5m 1

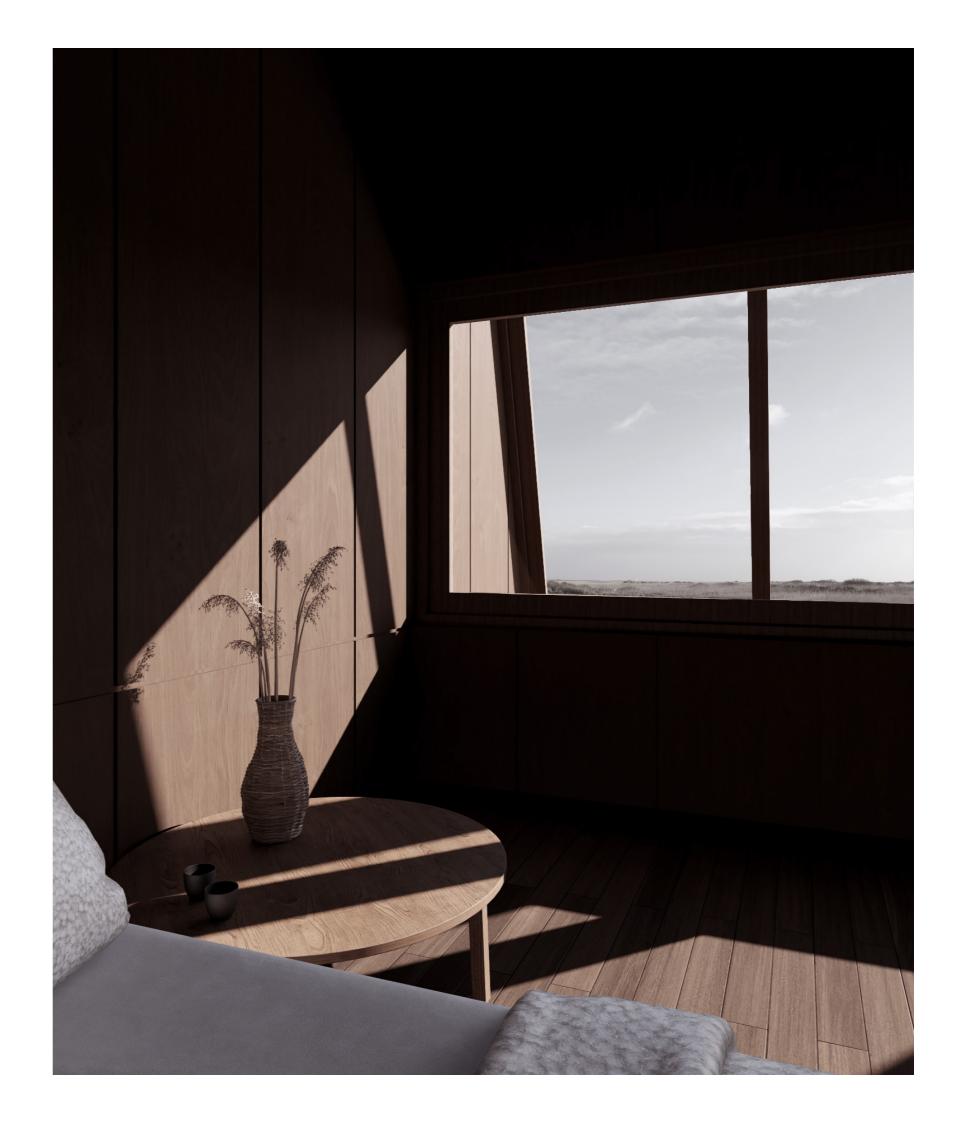


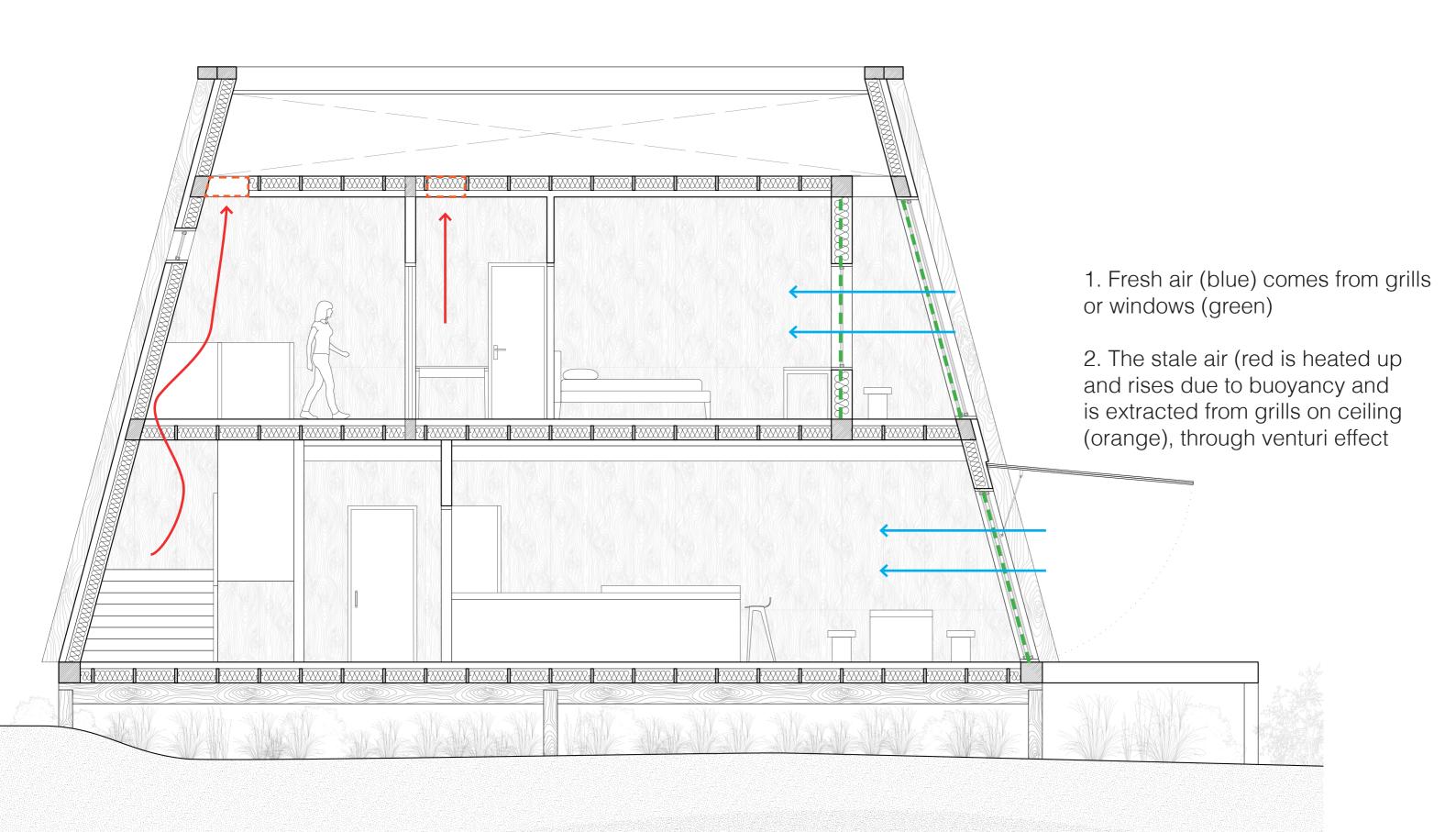


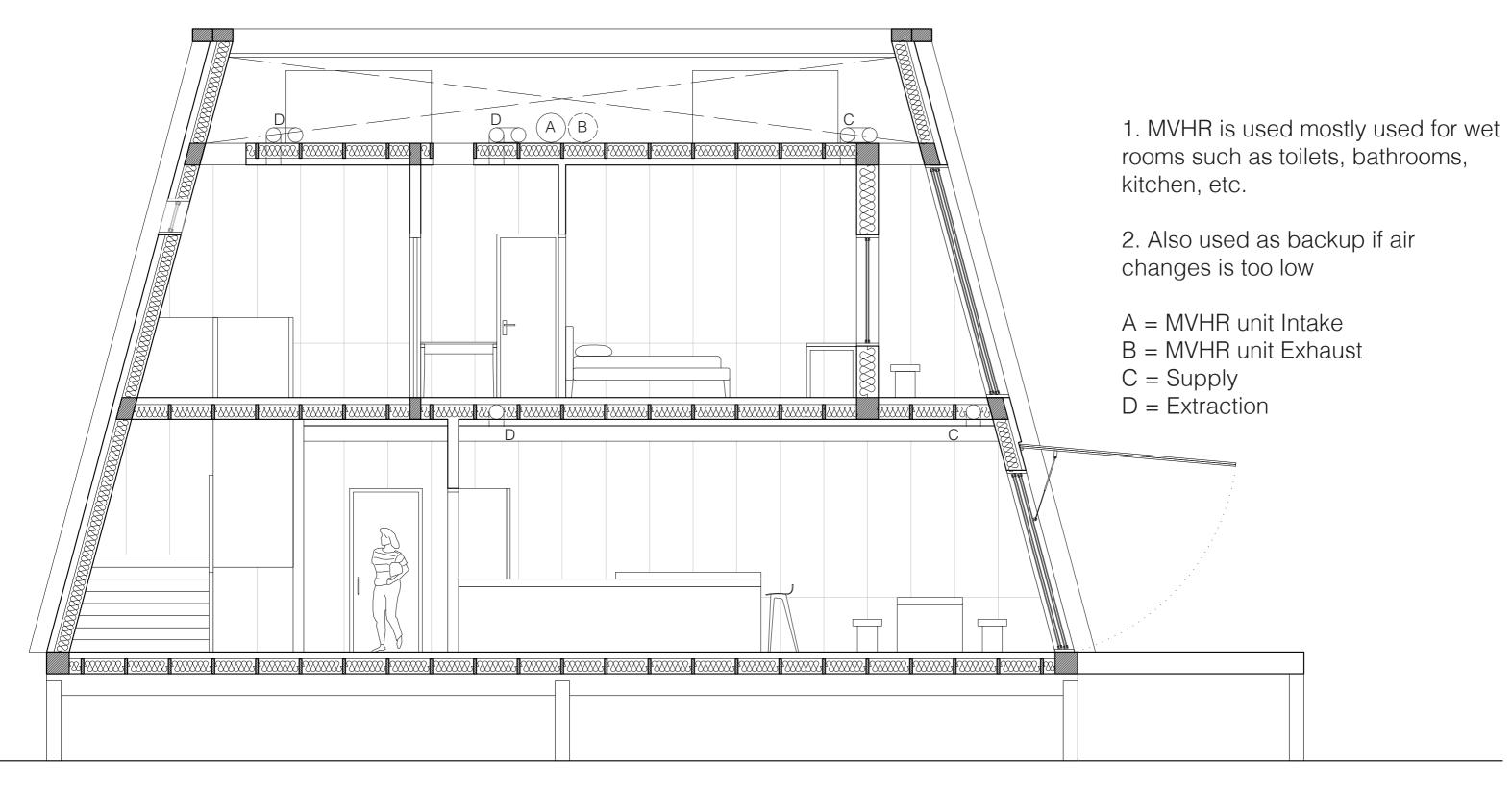
1m 5m 10

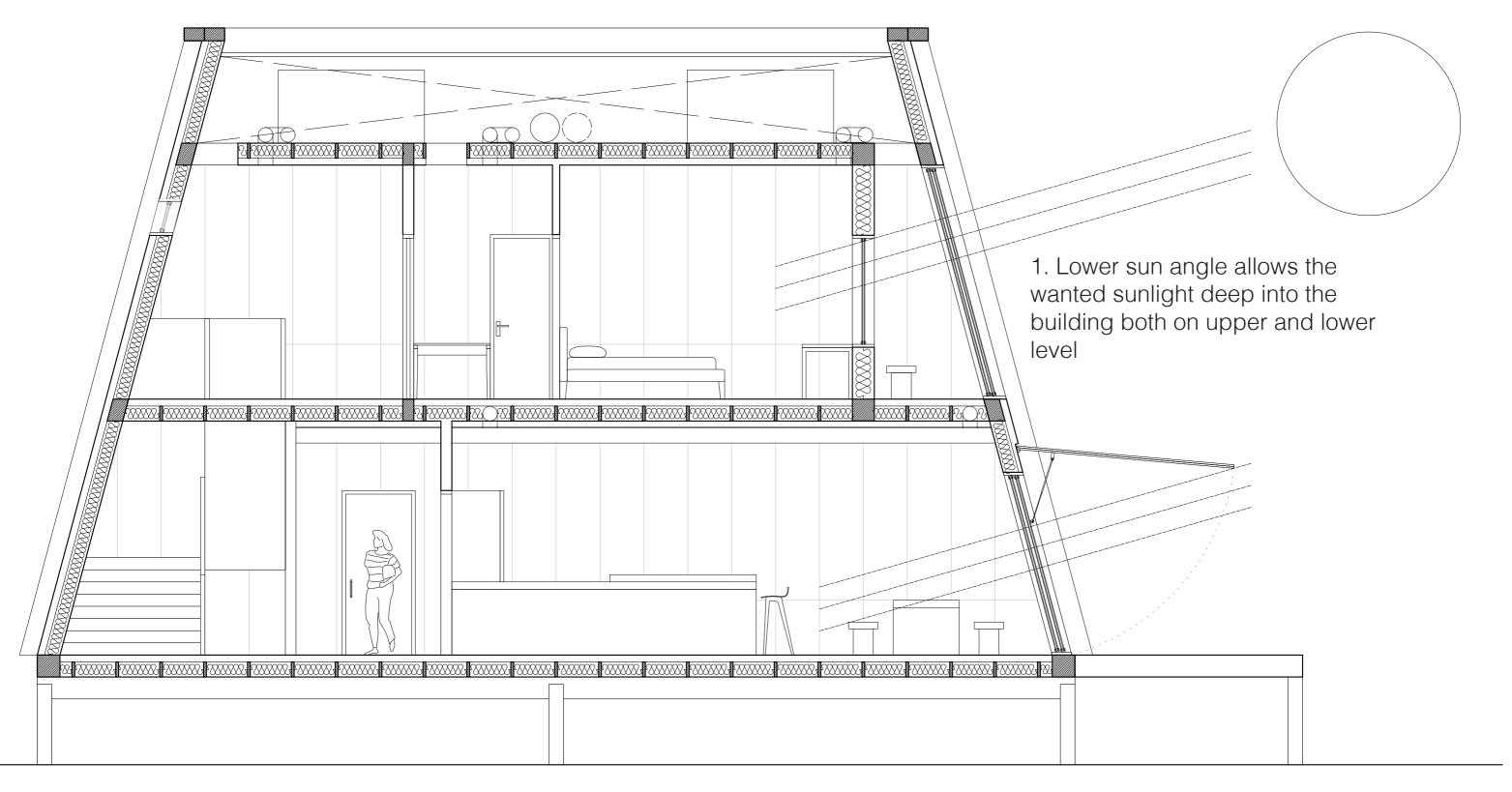


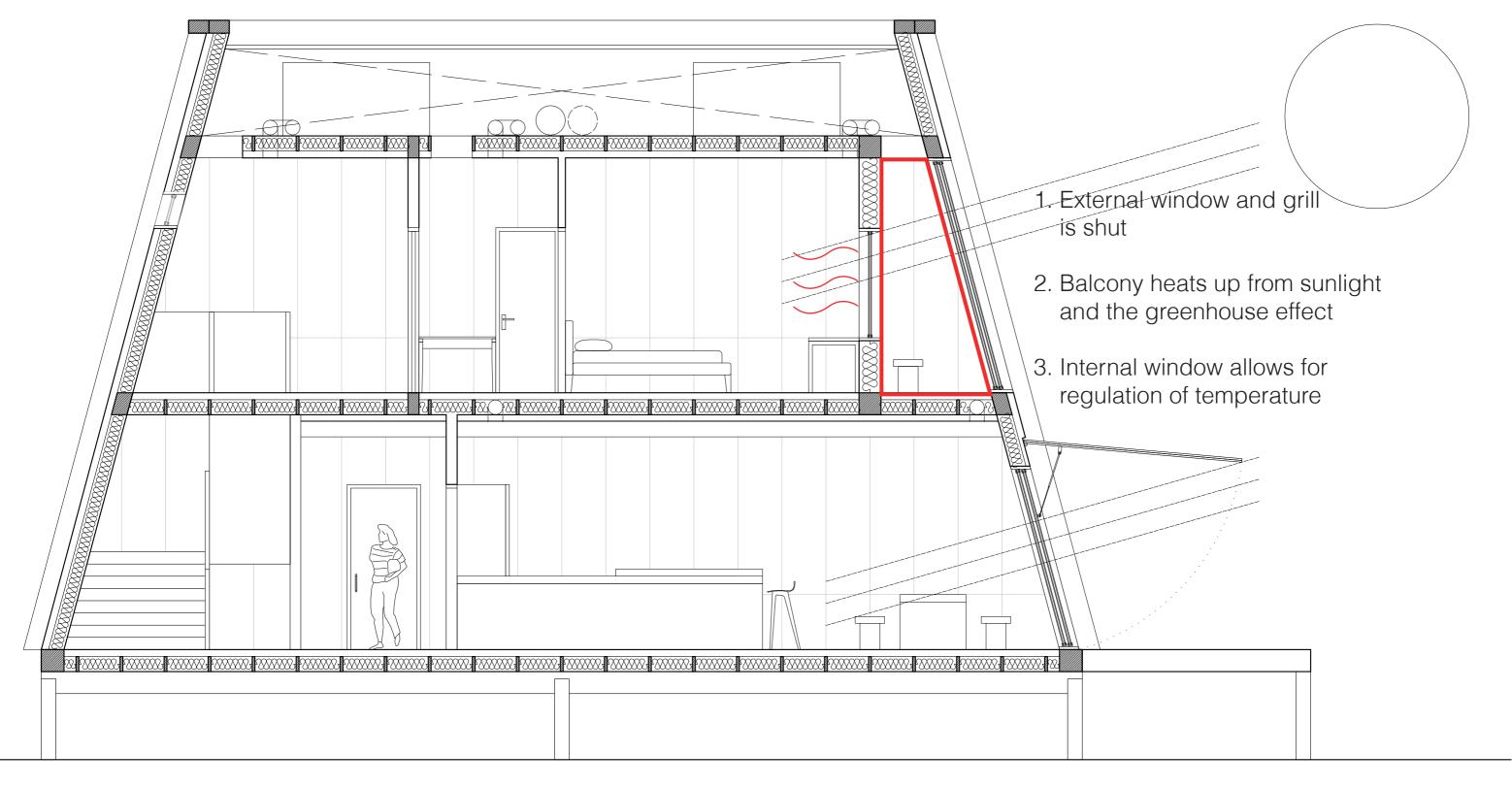


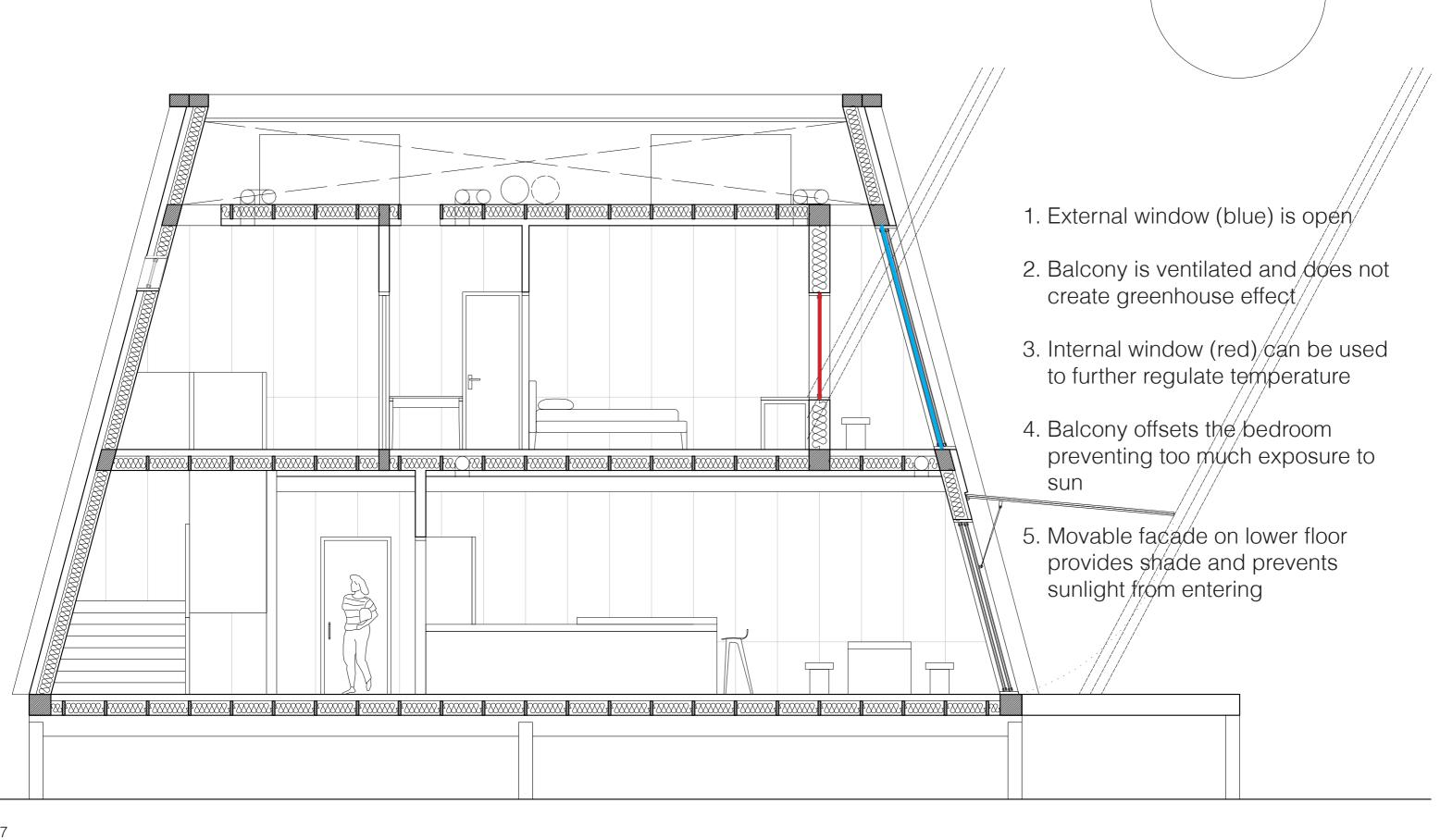










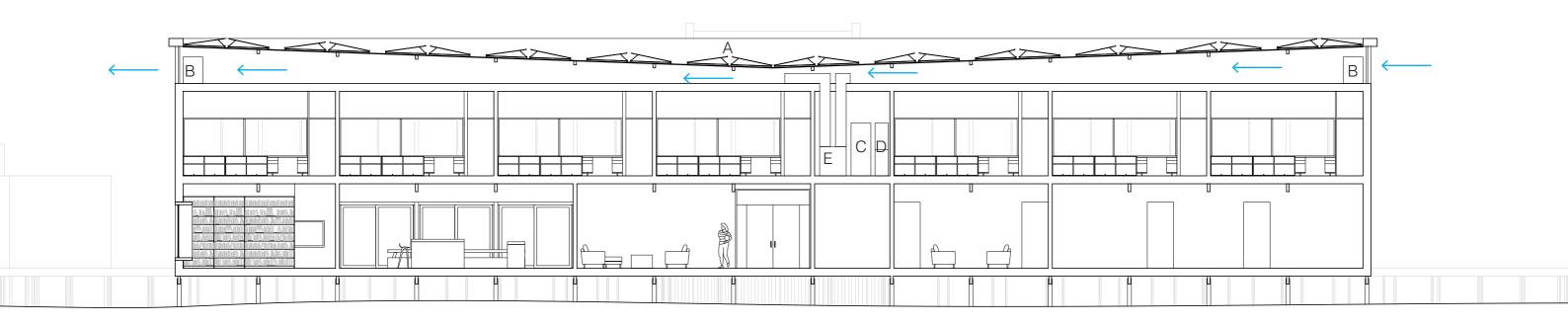


Section Facing South

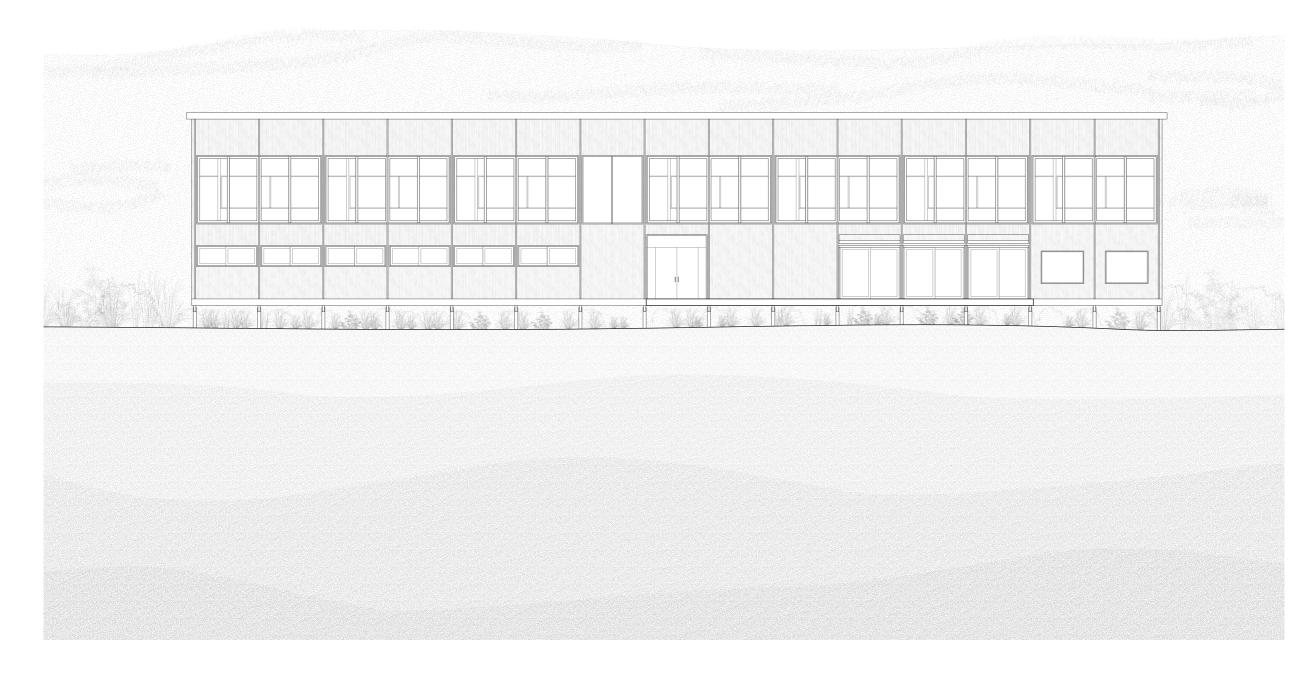
The prevailing wind comes from the west (right side of this drawing)

The roof has a sloped shape to create the venturi effect and aid with natural ventilation

- A. With solar panels being more advanced and can function without direct sunlight, it is more efficient to lay it out with a 10 degree incline
- B. Air source heat pump out-door units placed on the roof
- C. Indoor unit to convert heat from the airsource heat pump into underfloor heating
- D. Solar panel batteries to help with electricity in shoulder months
- E. MVHR unit with the intake facing against the direction of the prevailing wind and exhaust facing the other way







1m 5m 10

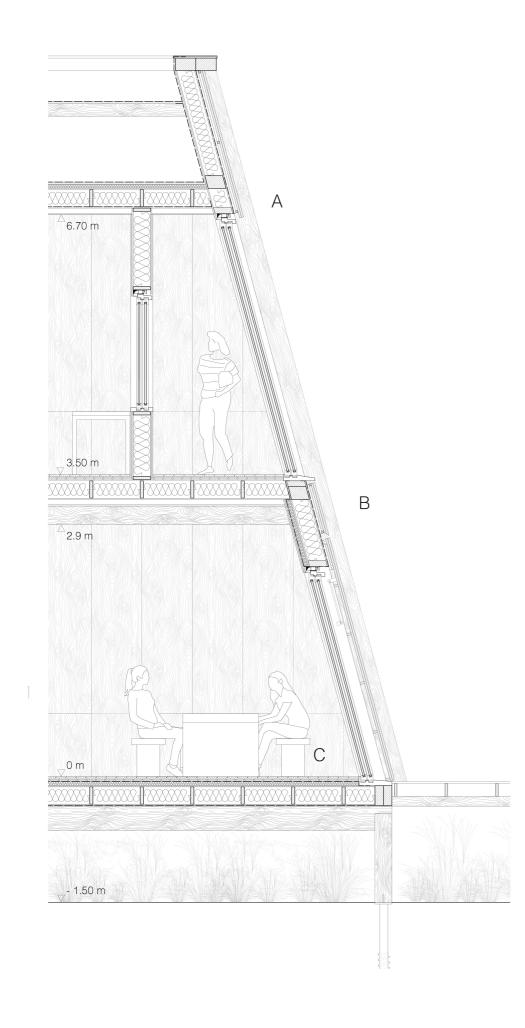


Ekki Timber - Lower parts

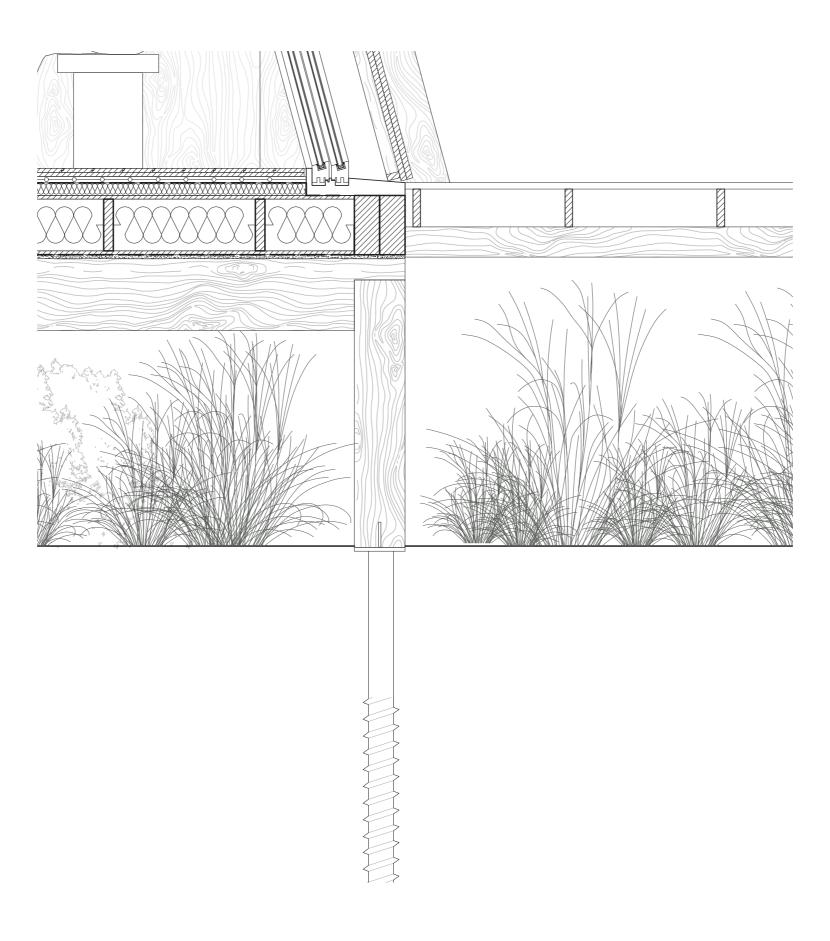


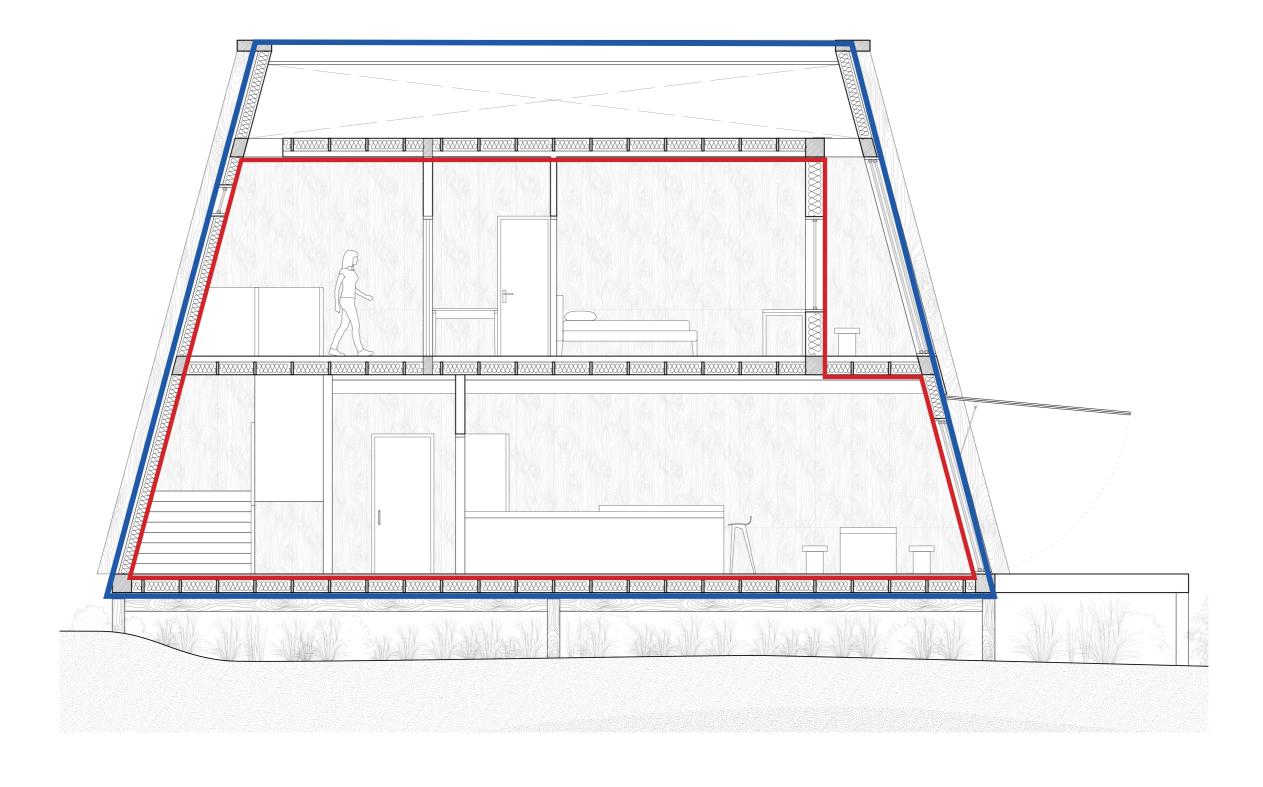
Thermo Essen
- Cladding

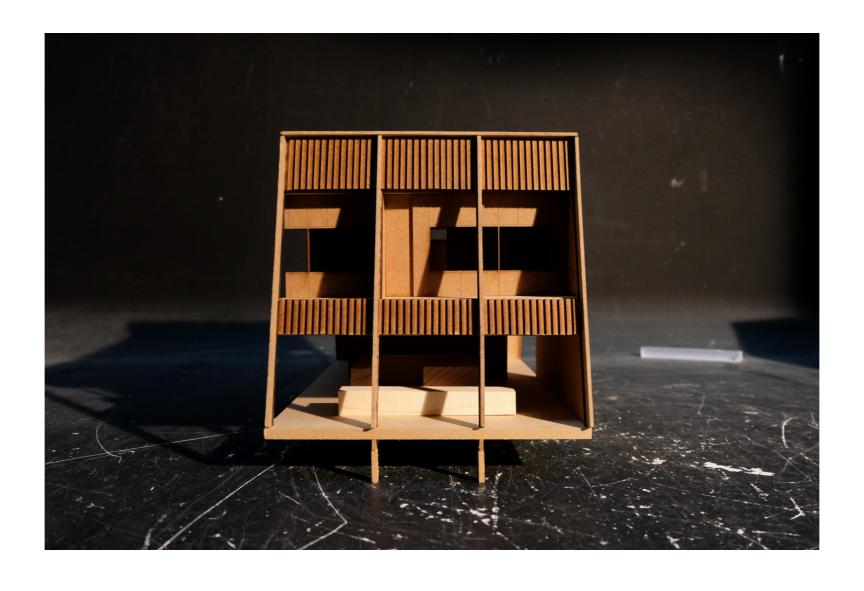






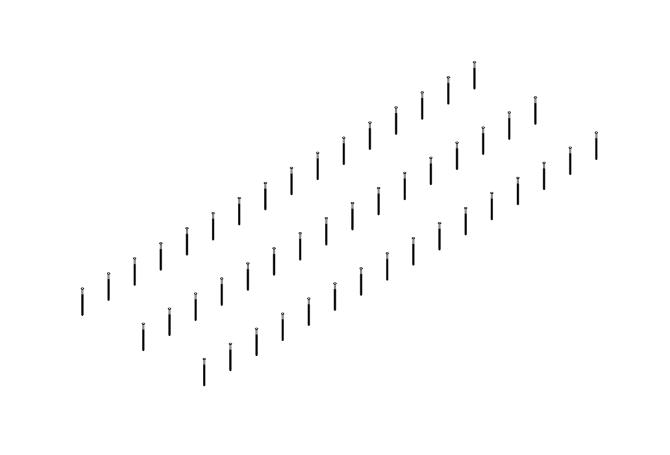


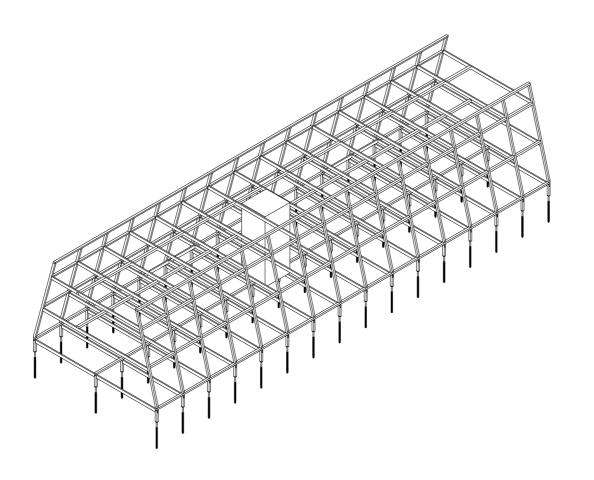


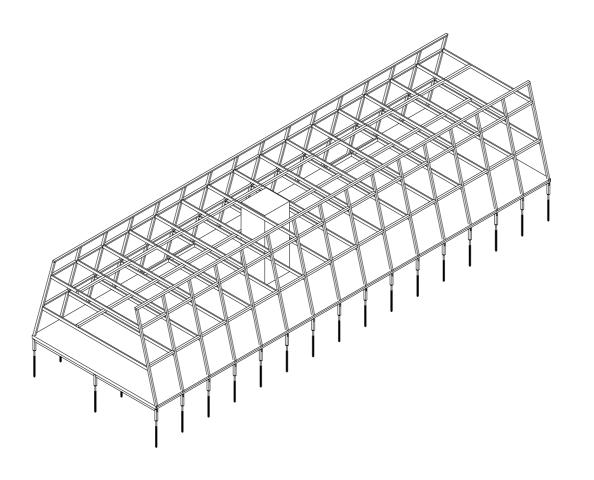


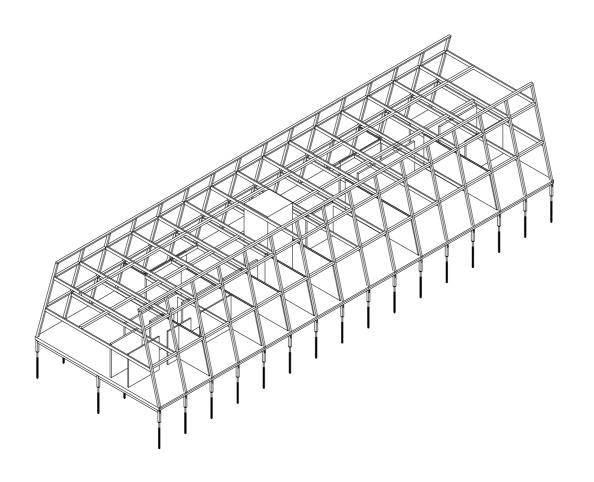


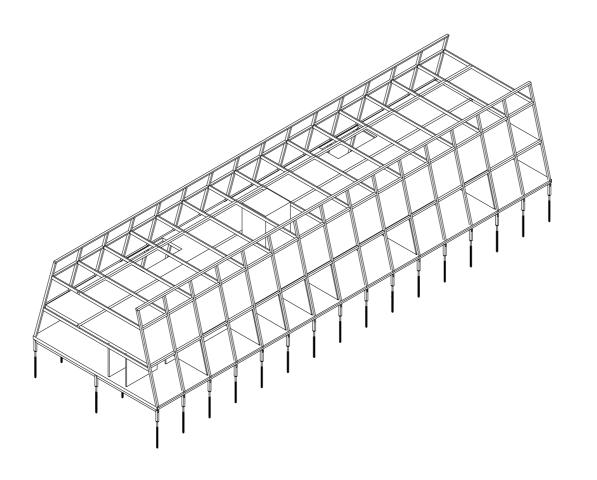
Structure Principle	
Timber Stud Construction (HSB) for walls and floors (600 mm centres)	
Glulam Beams + Columns 300 x 150 mm	
Screw Poles	

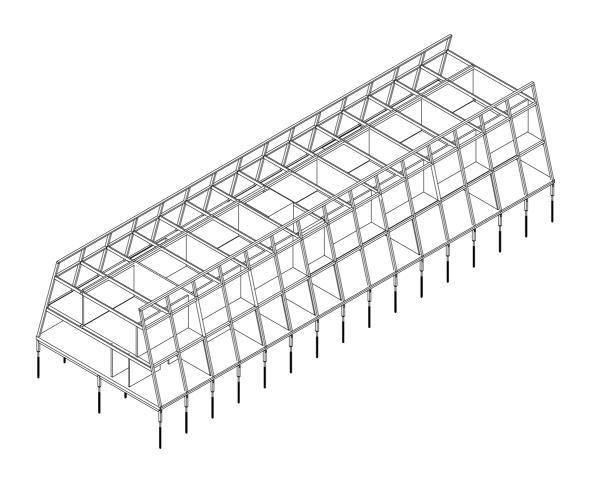


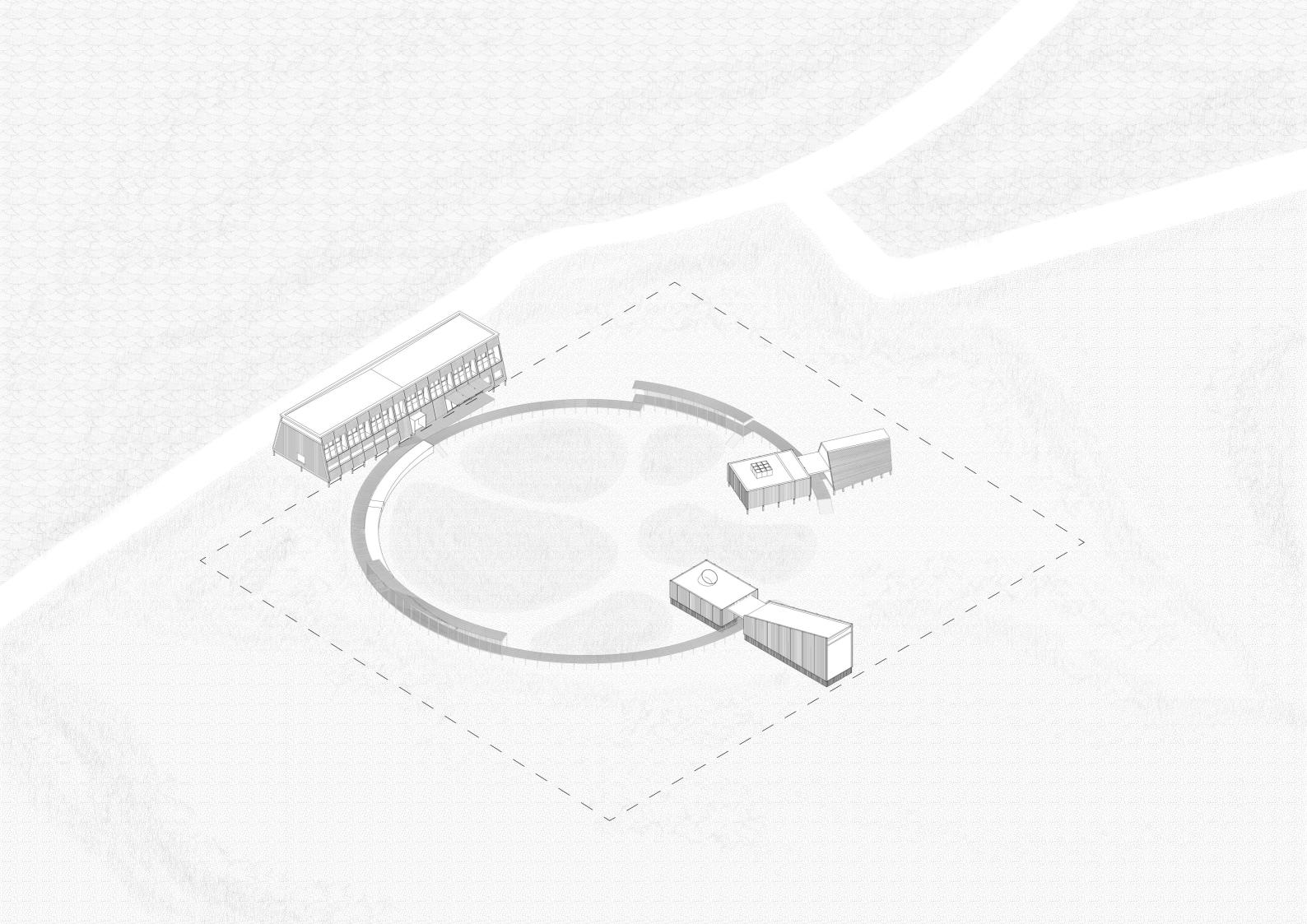




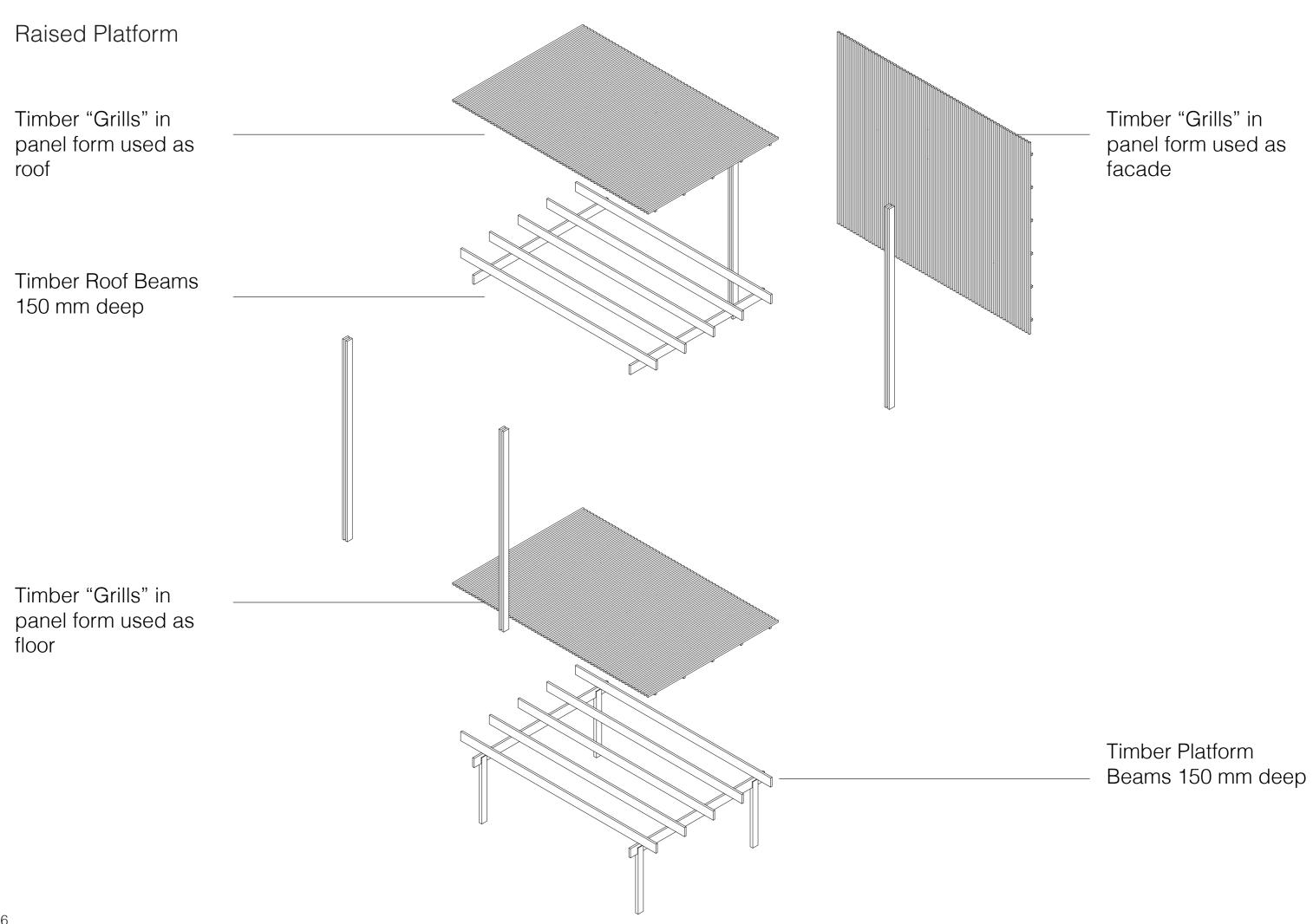


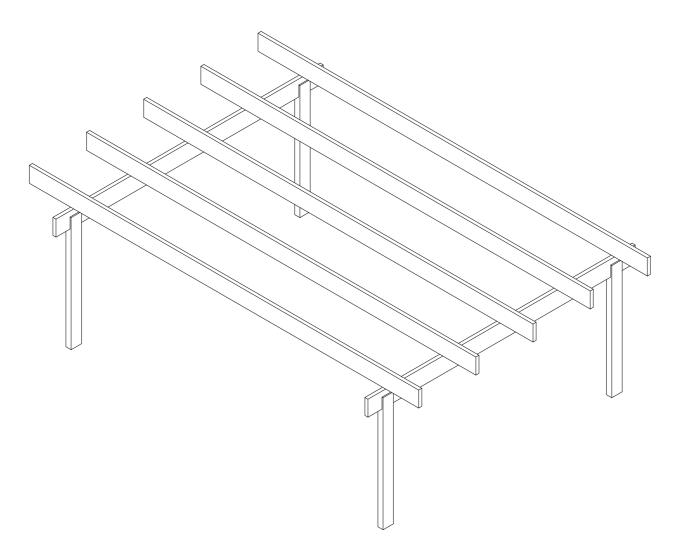


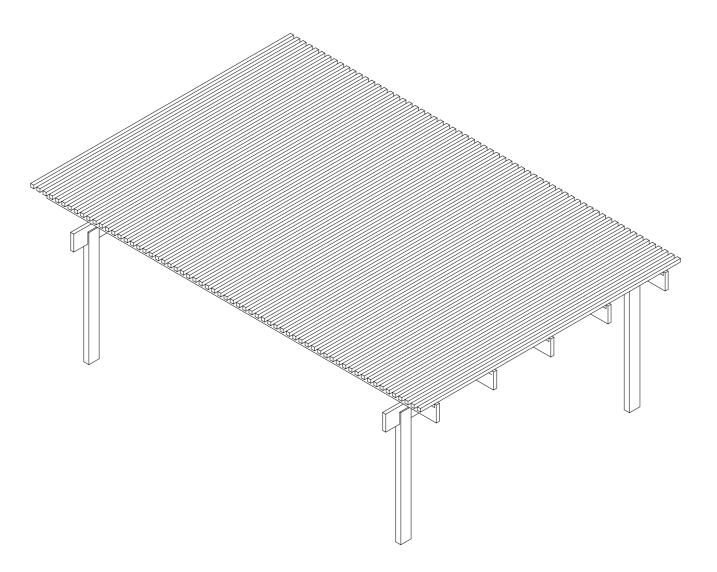


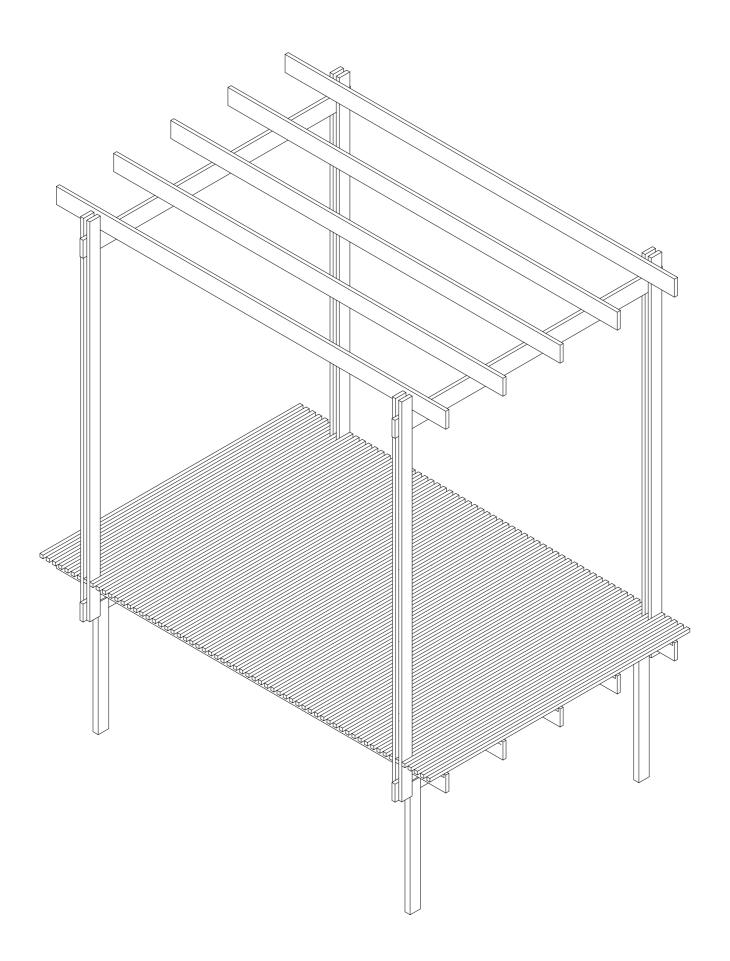


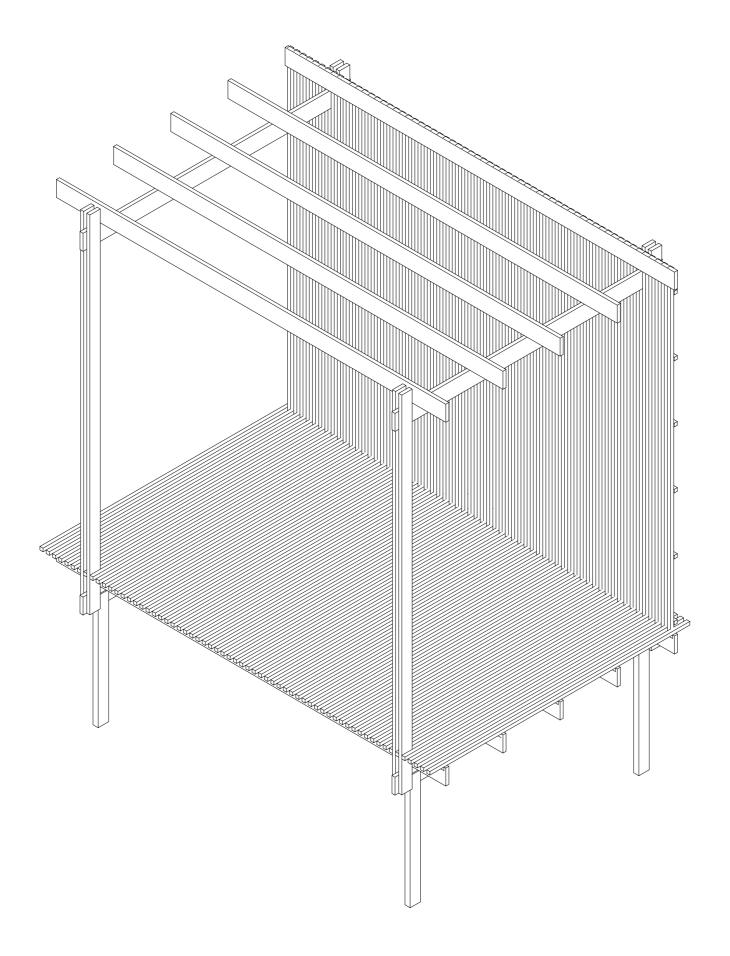


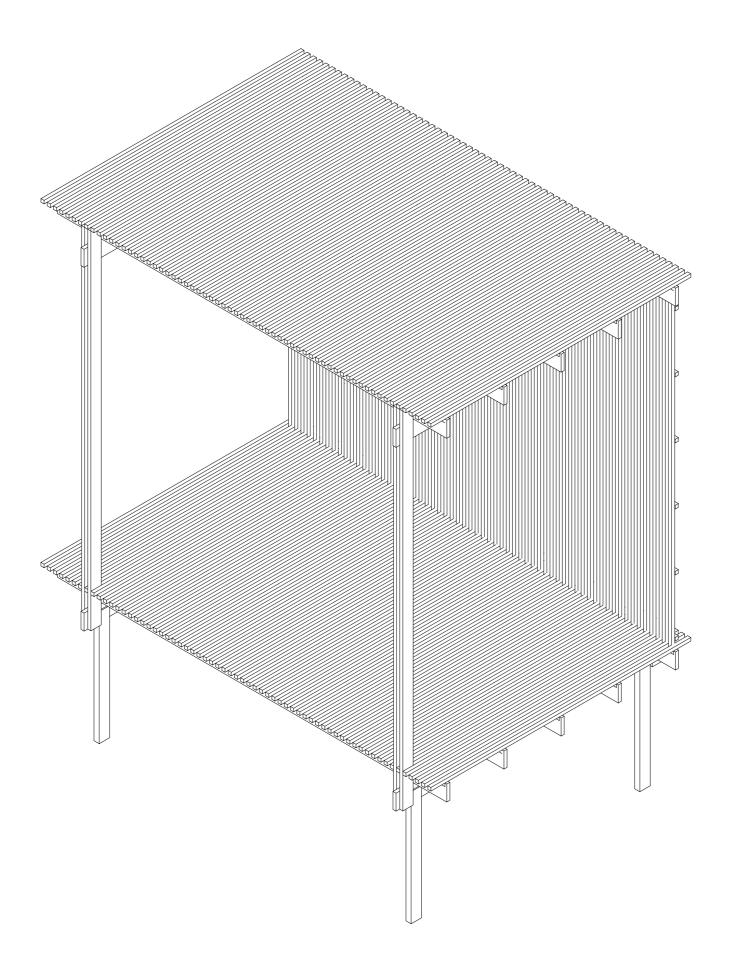


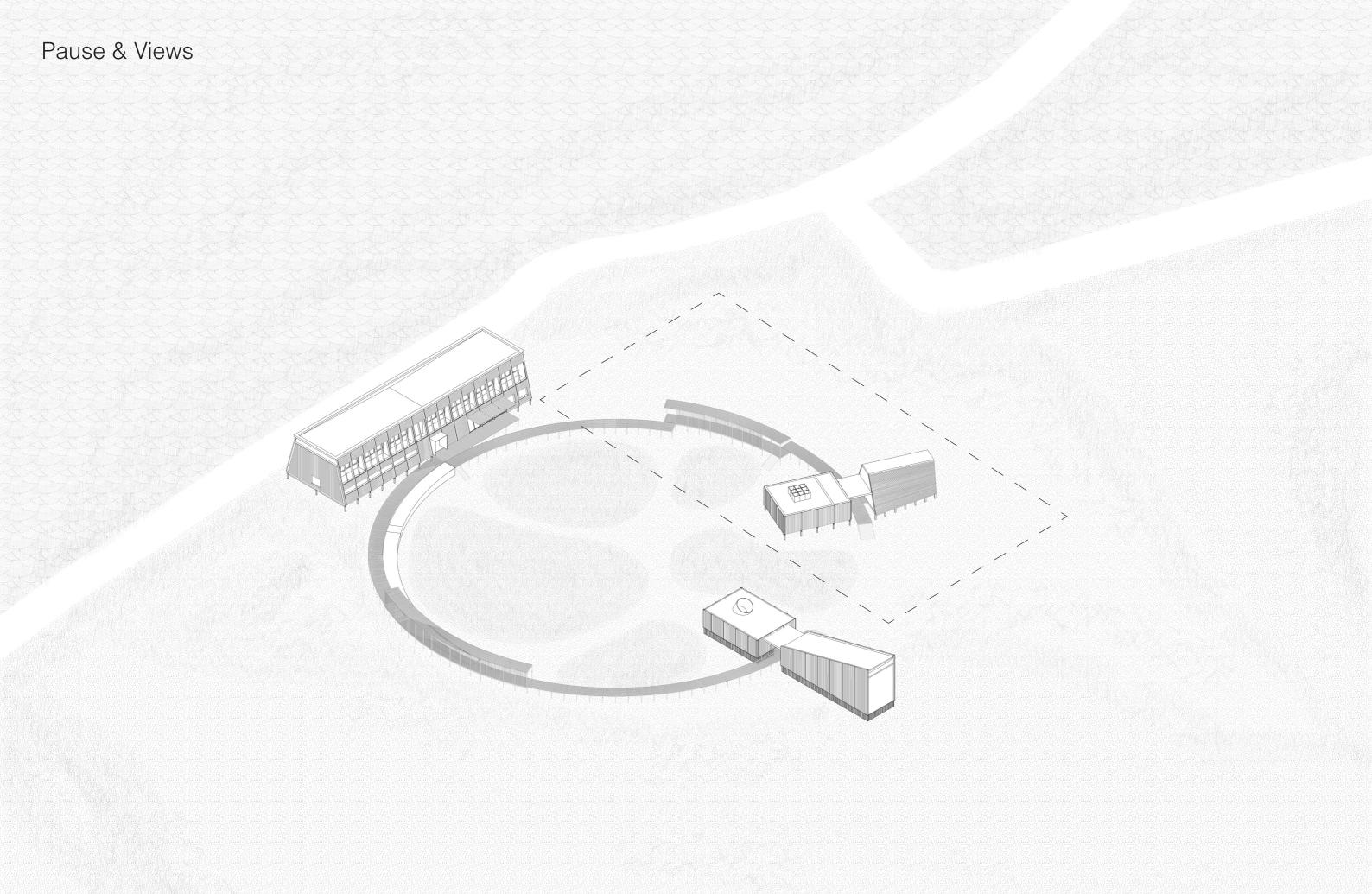


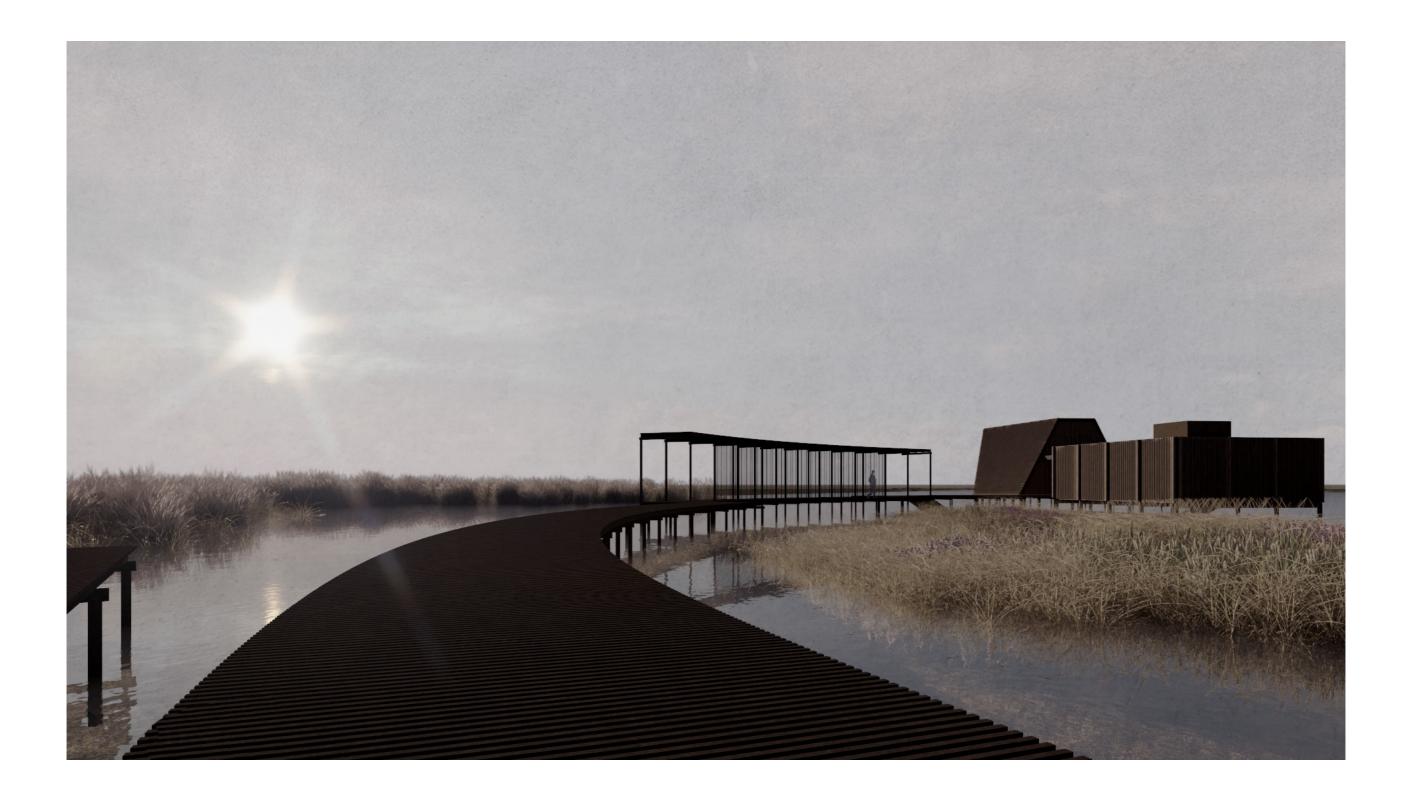


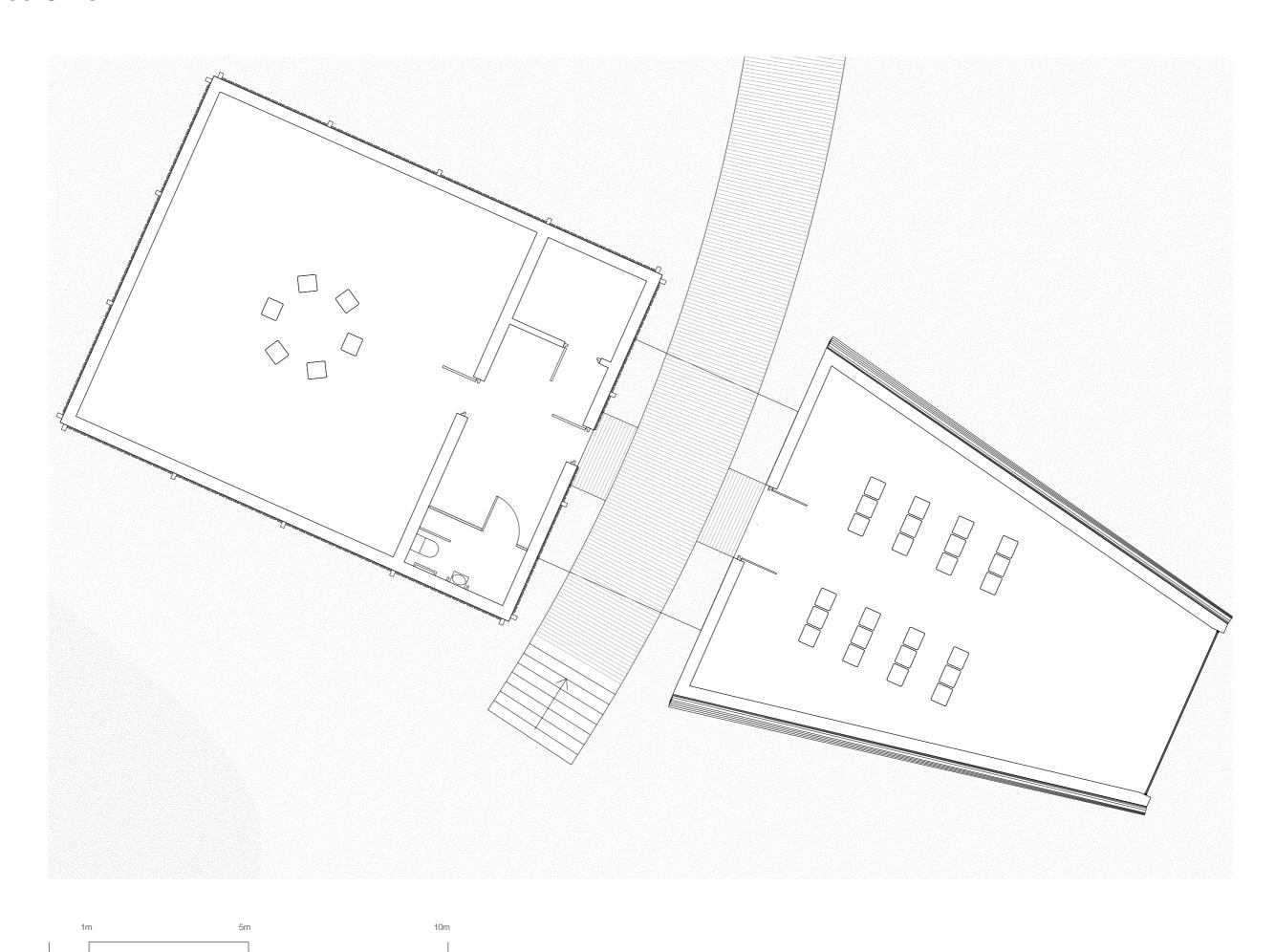




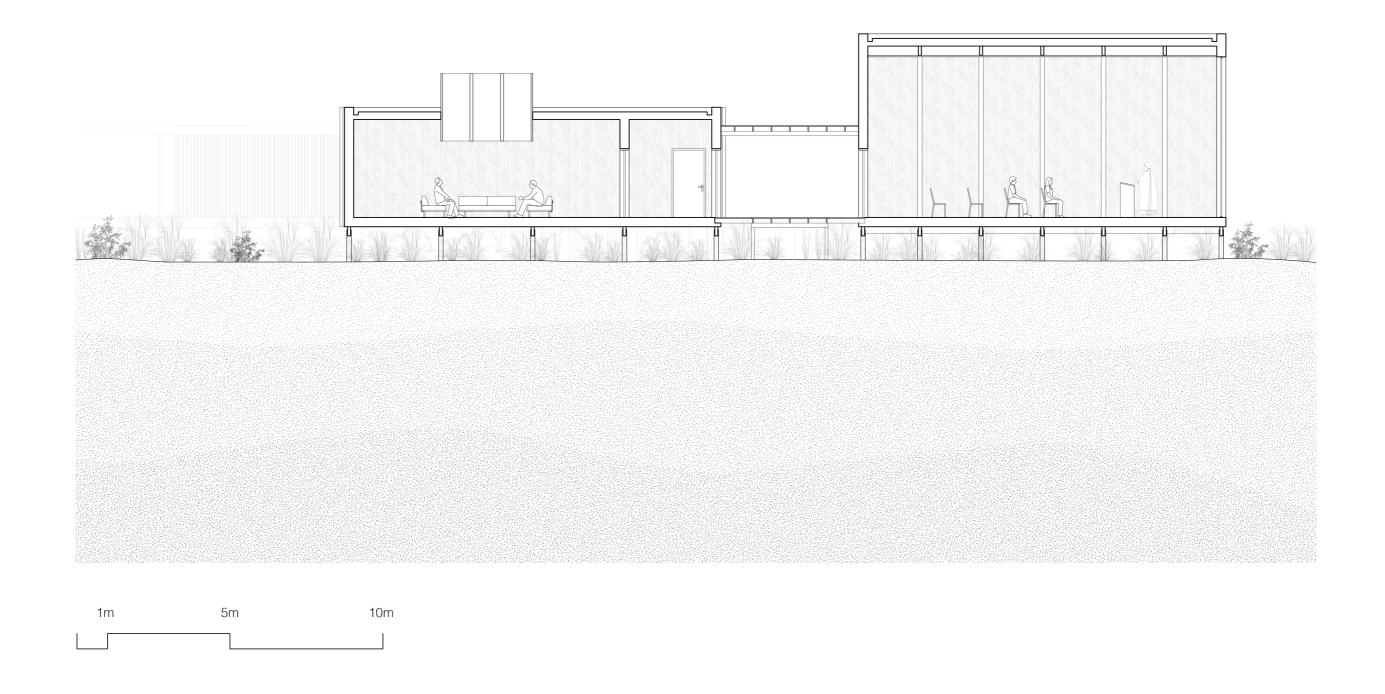




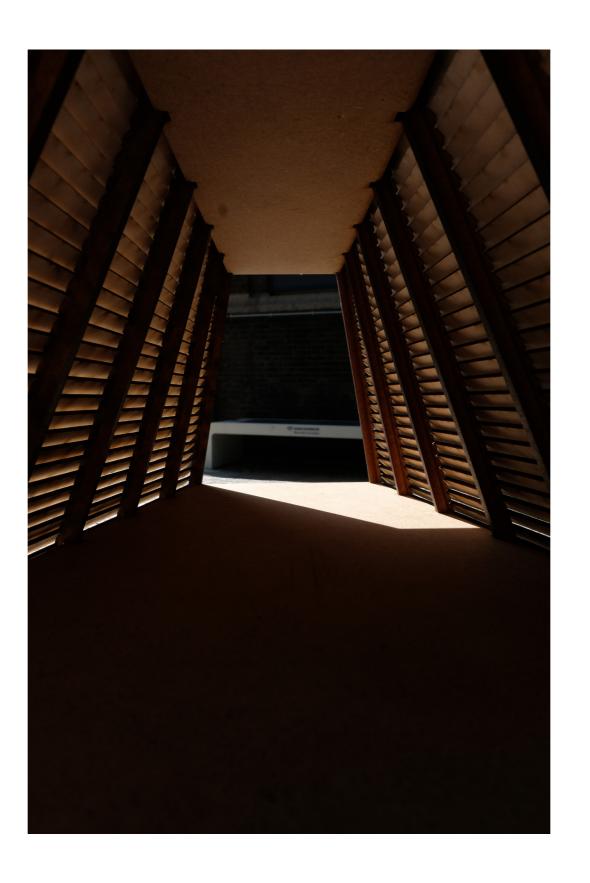








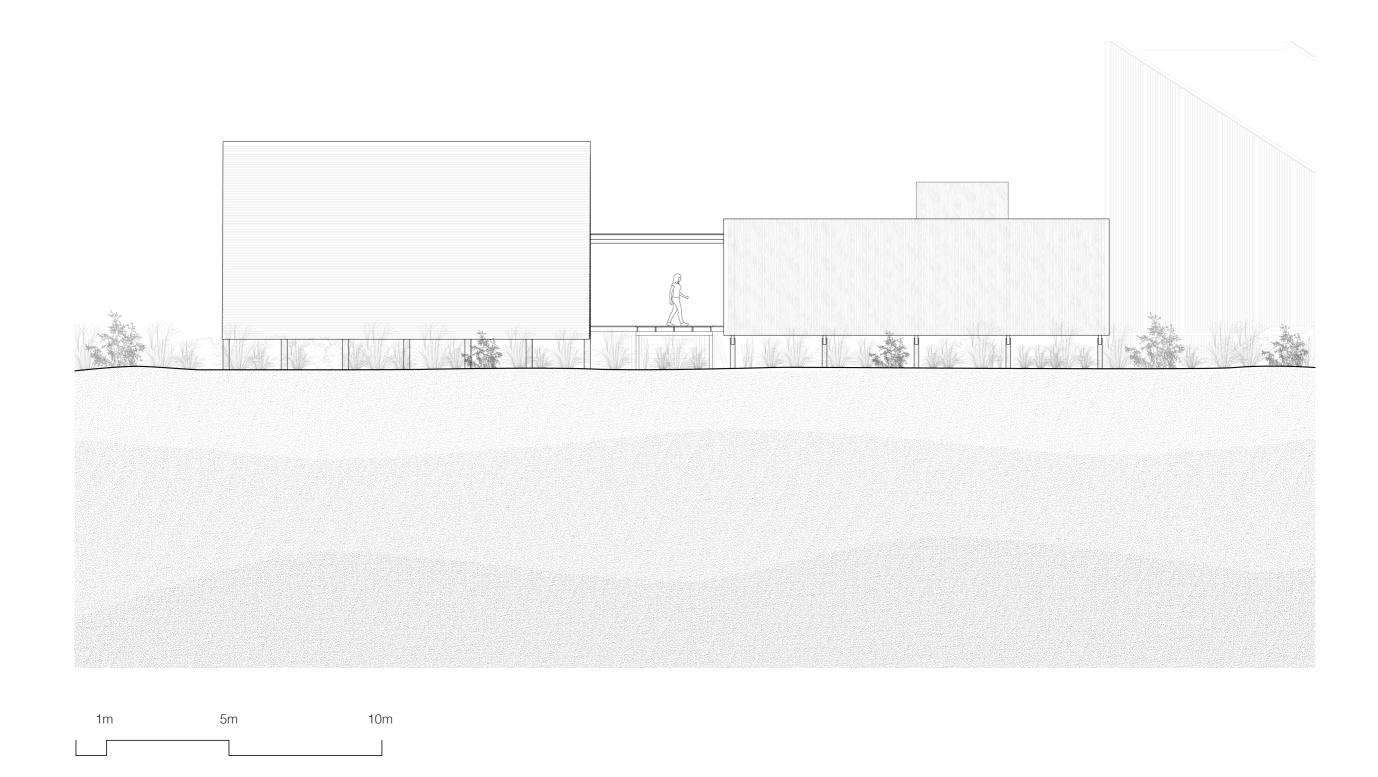




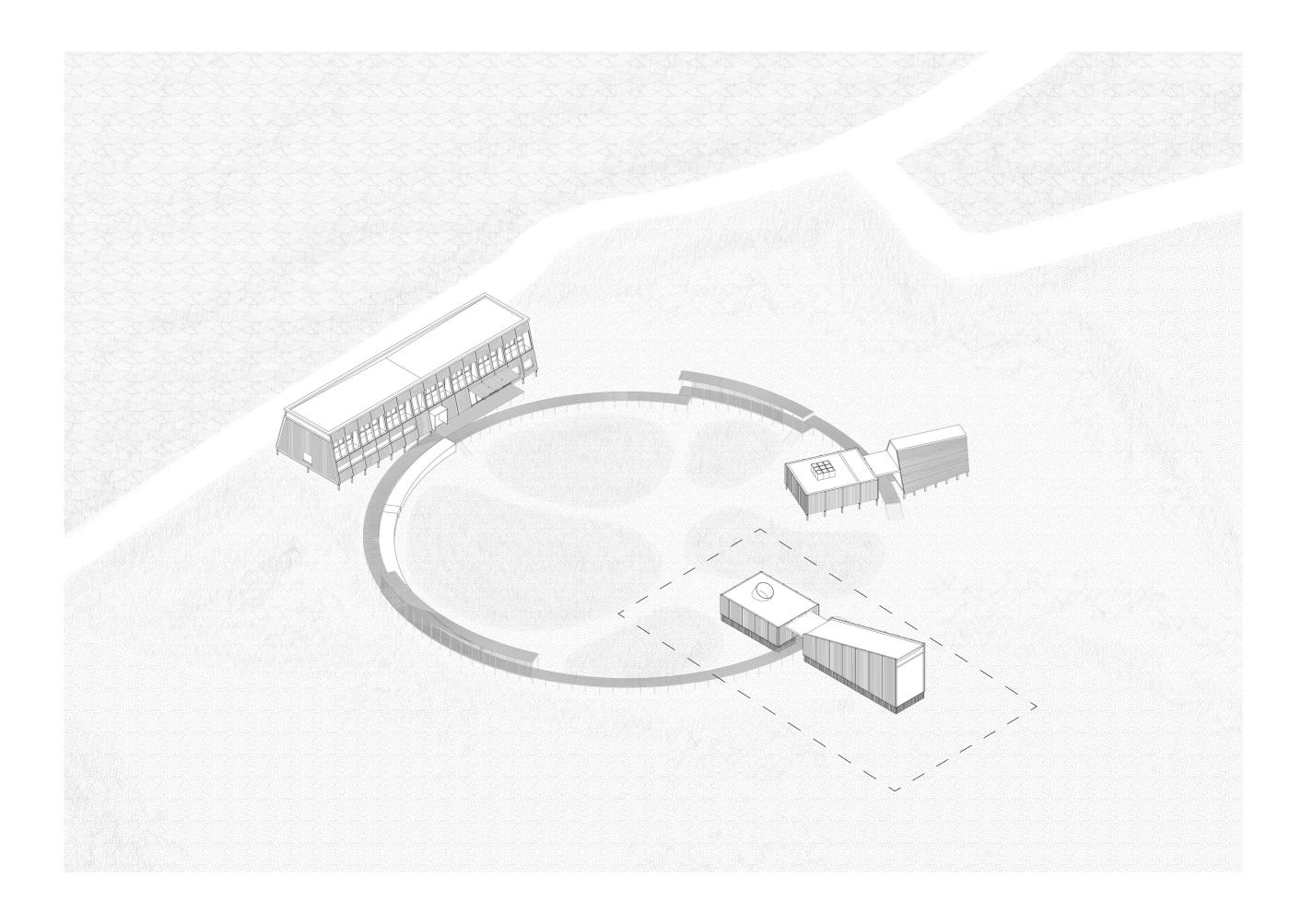








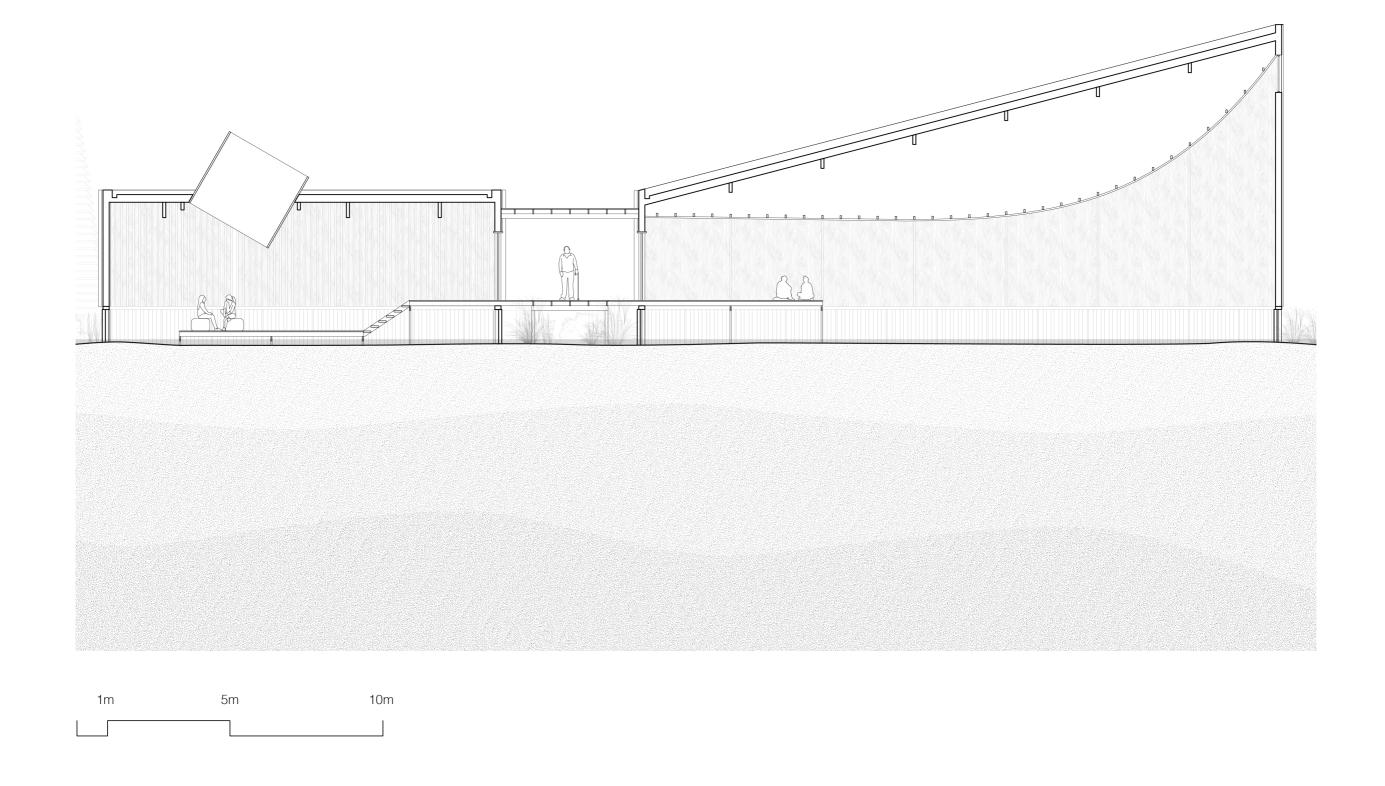
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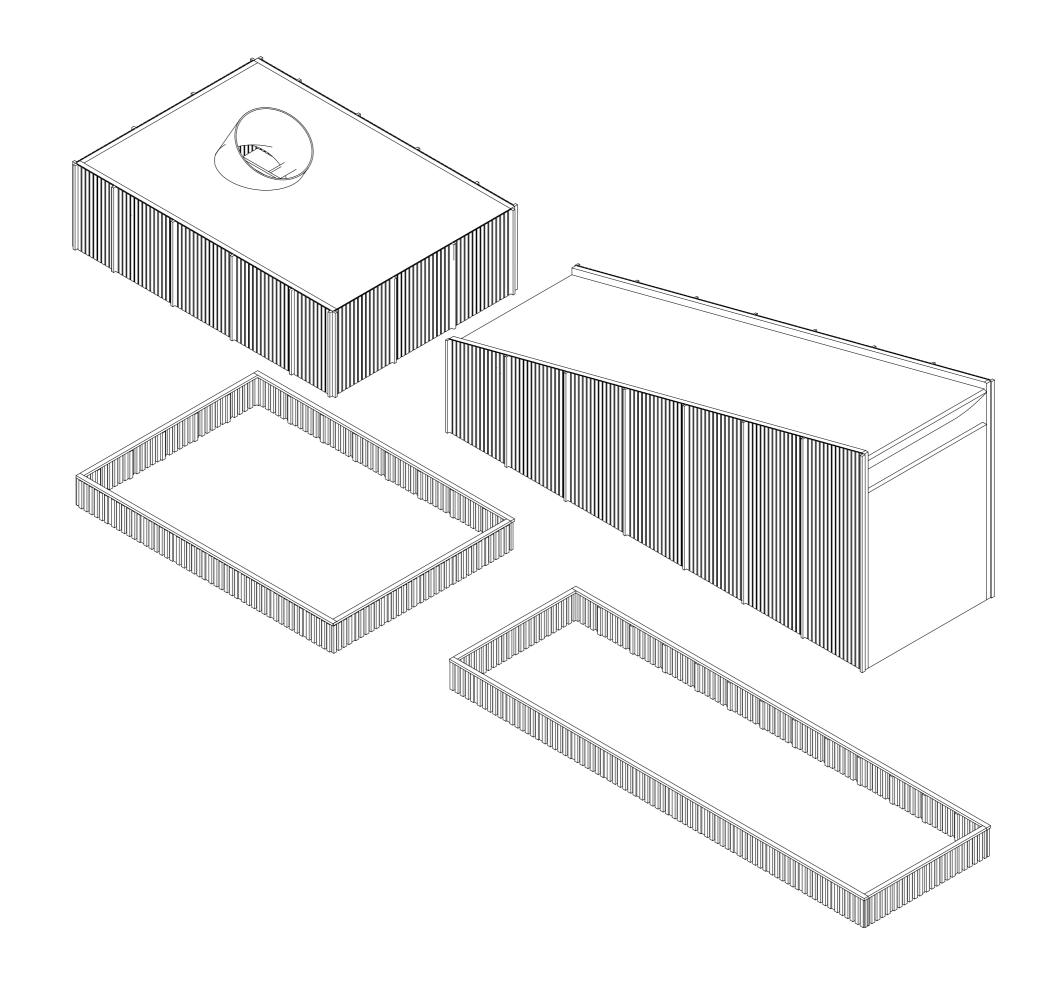








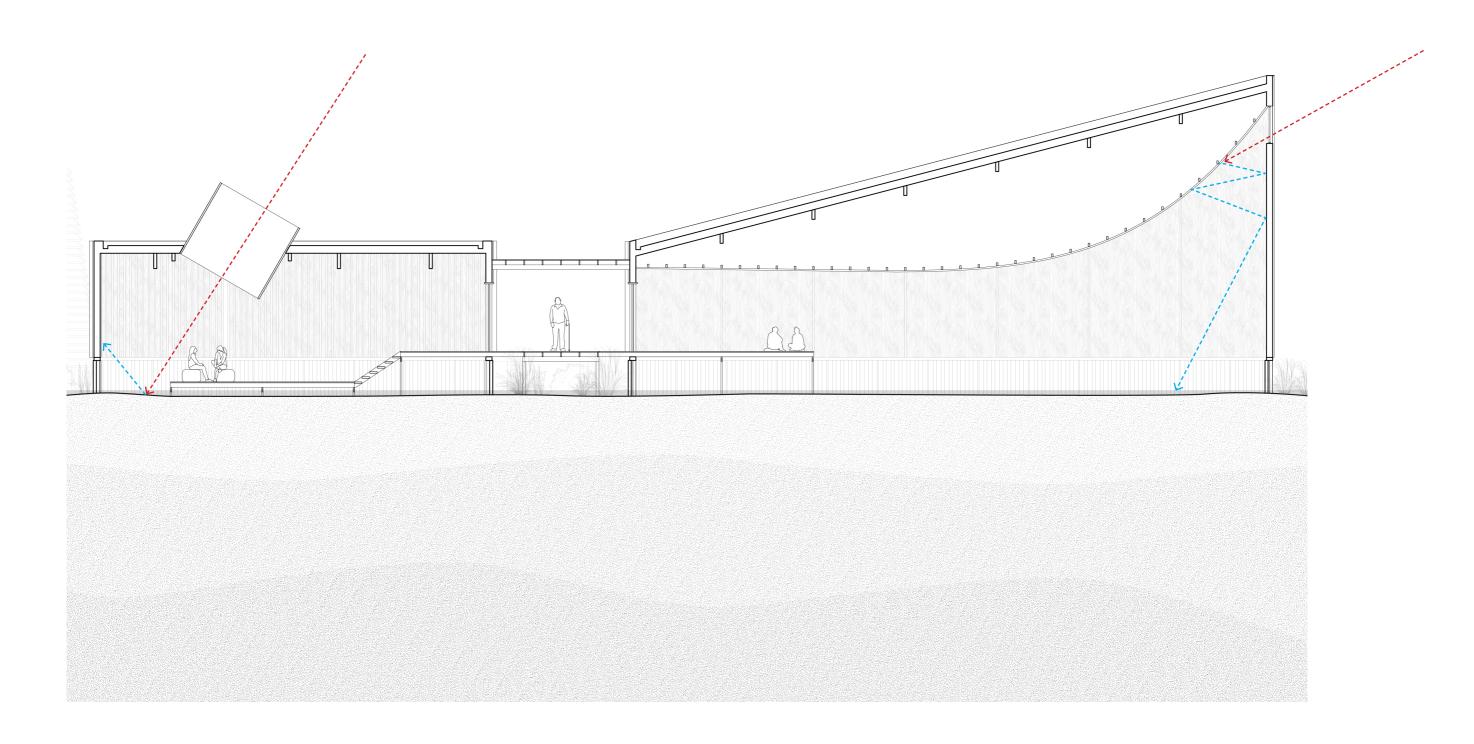




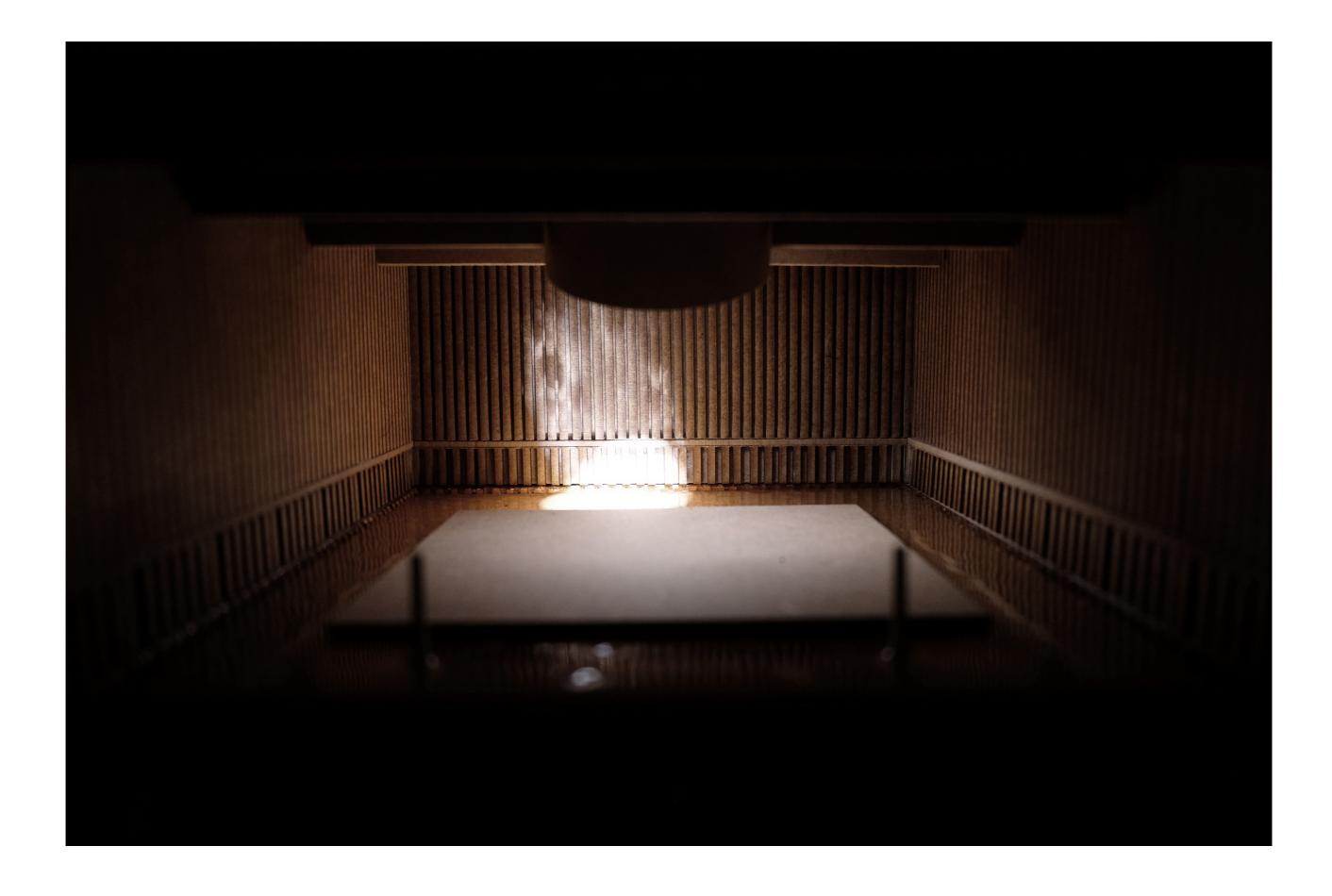


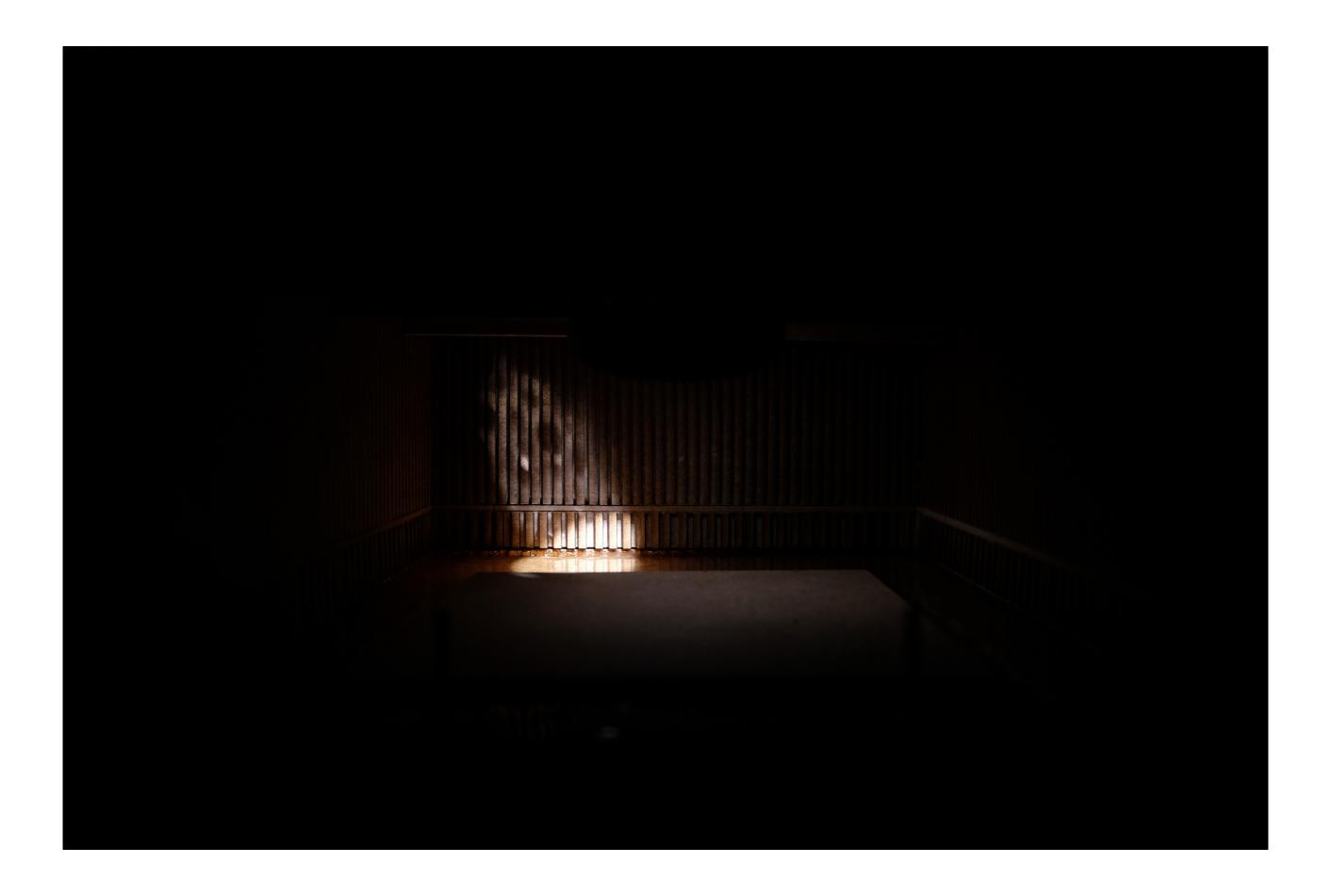
Sunlight vs Daylight





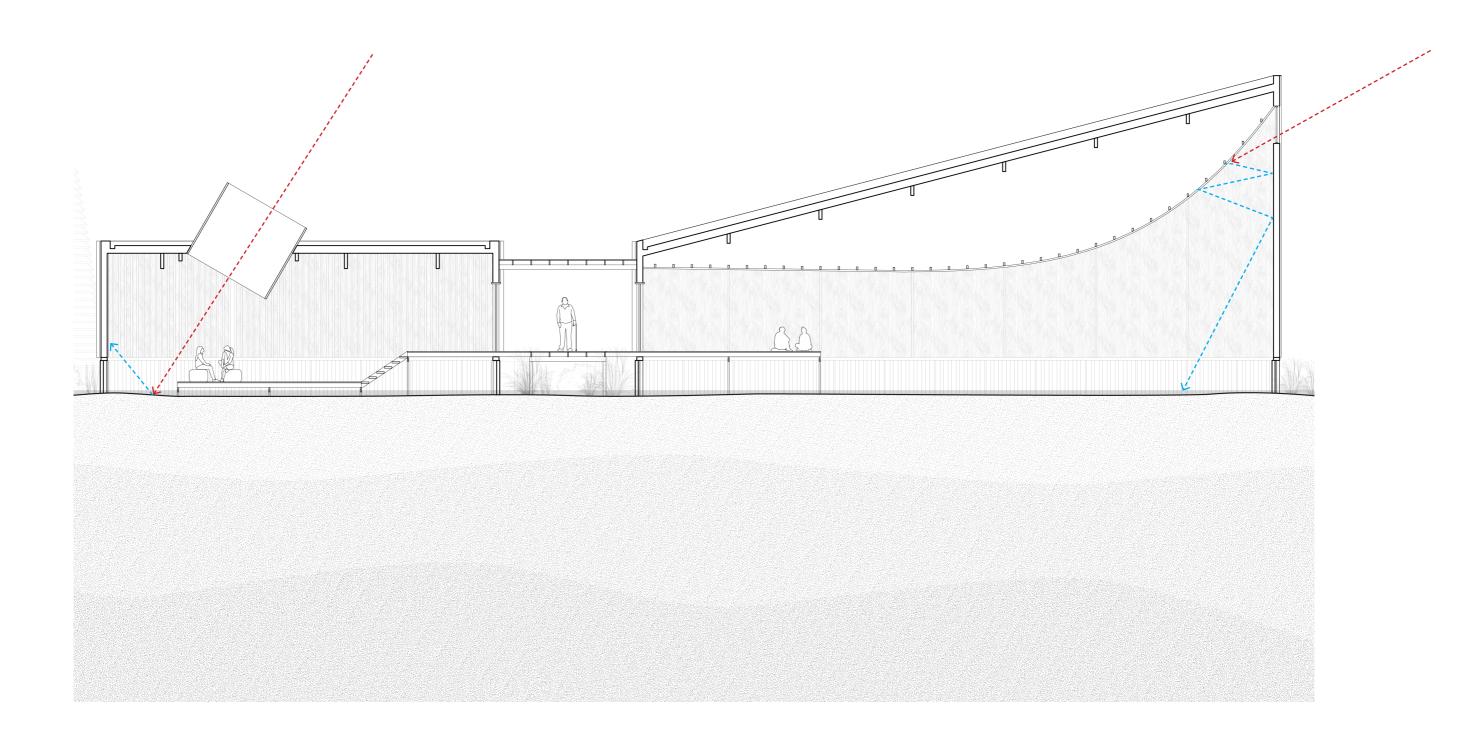


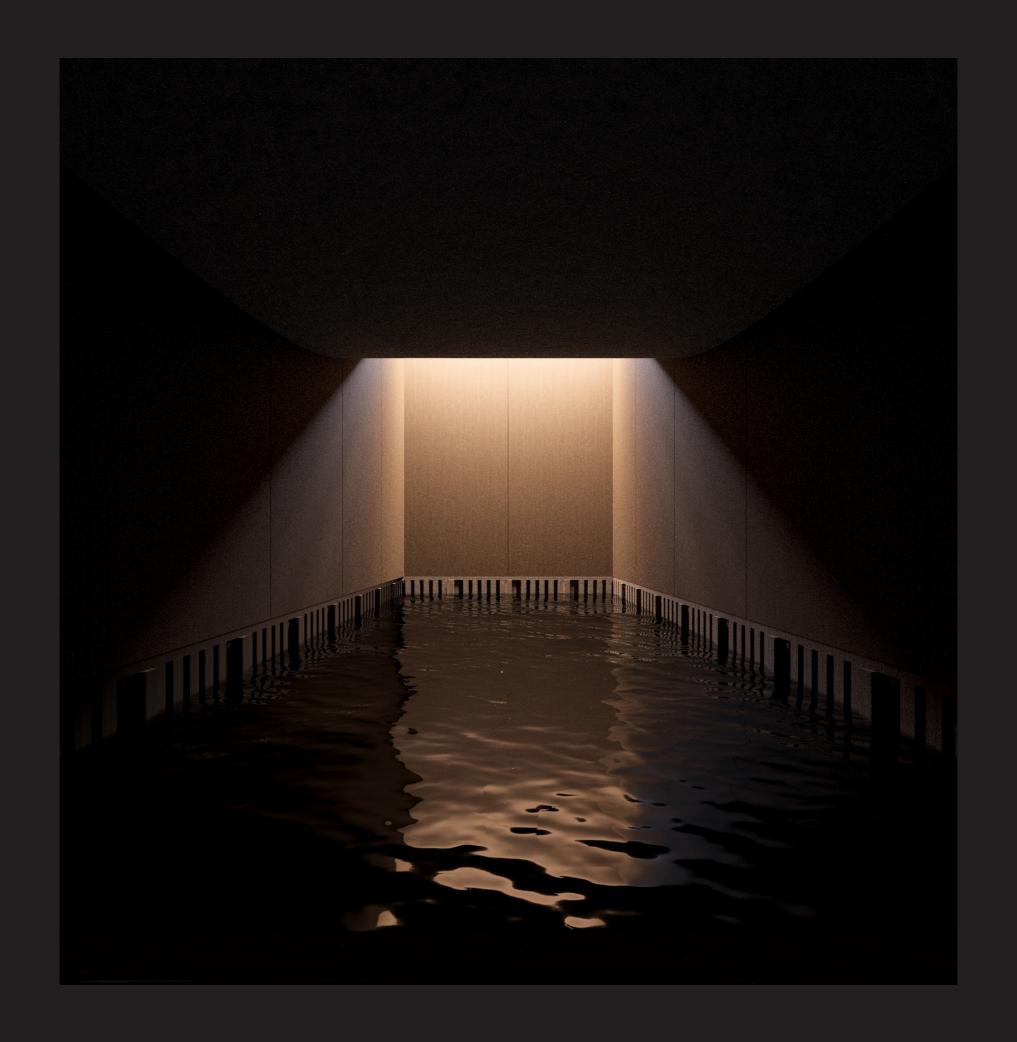


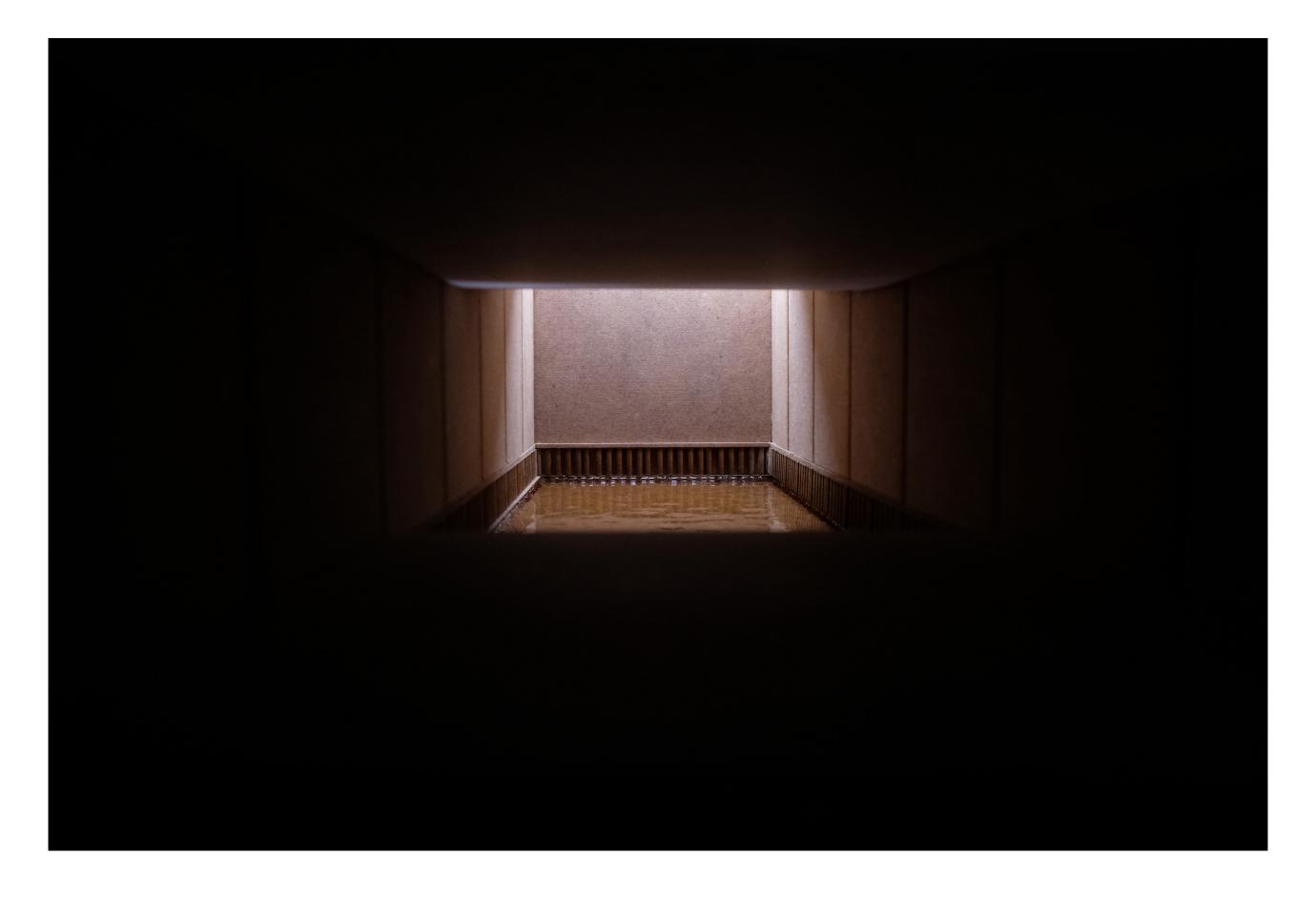


Sunlight vs Daylight





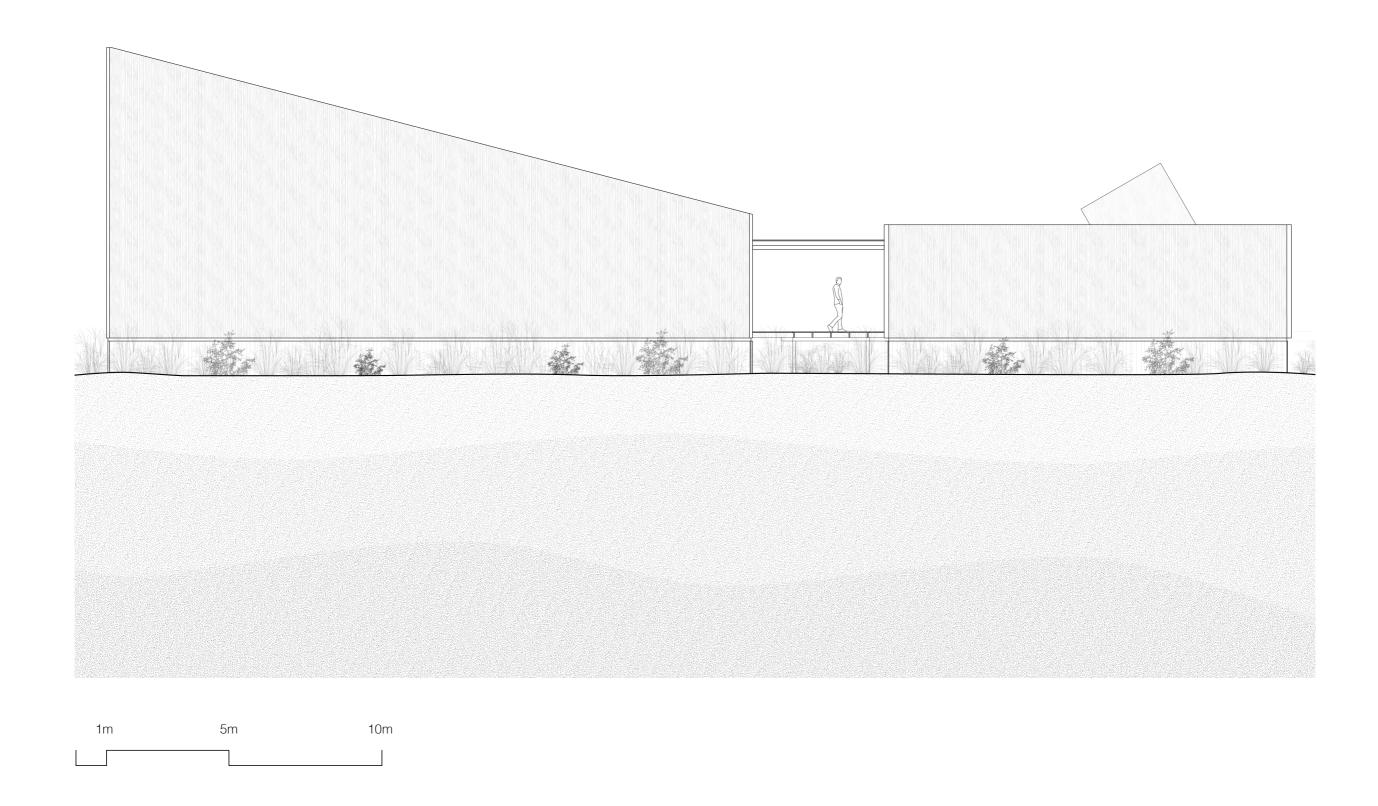


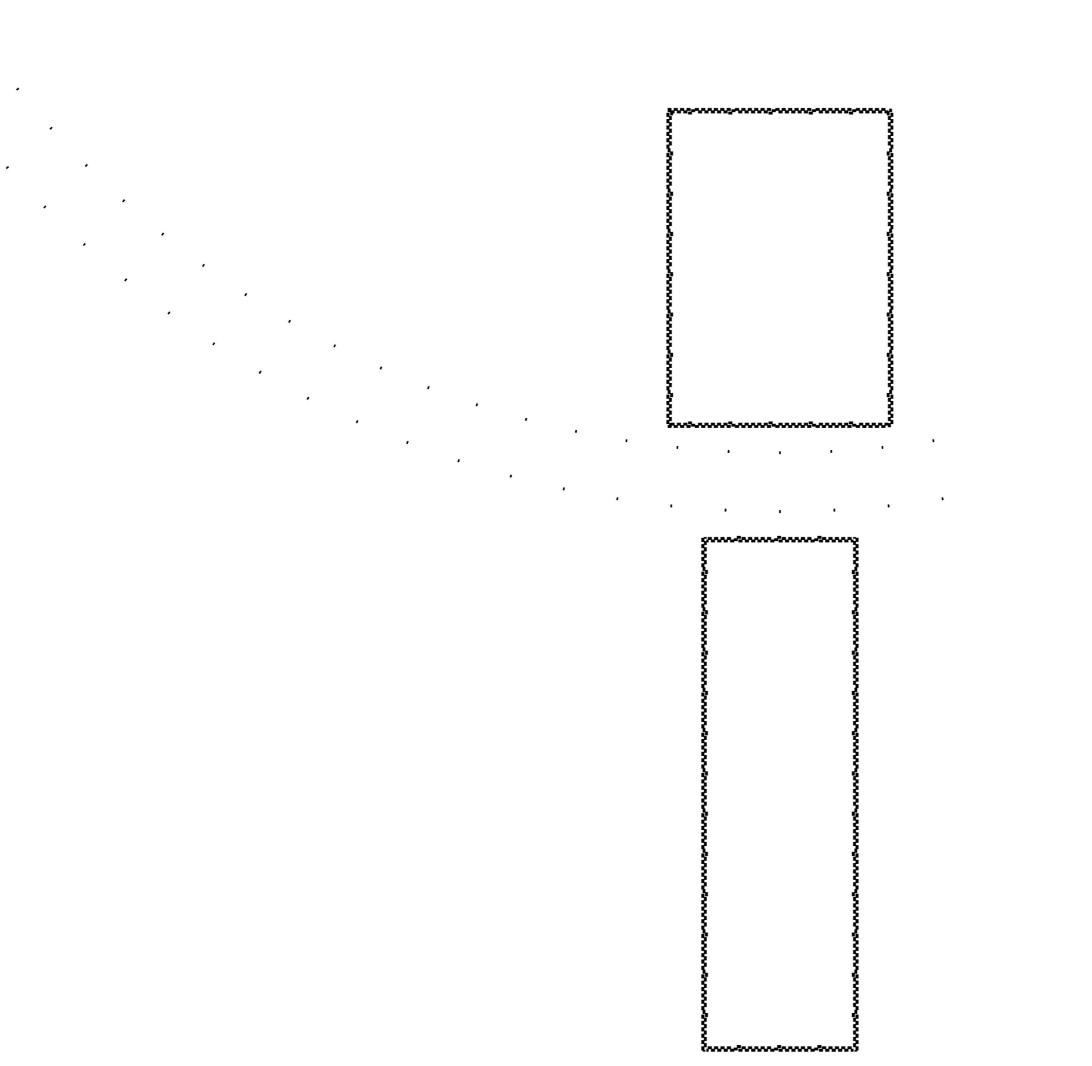


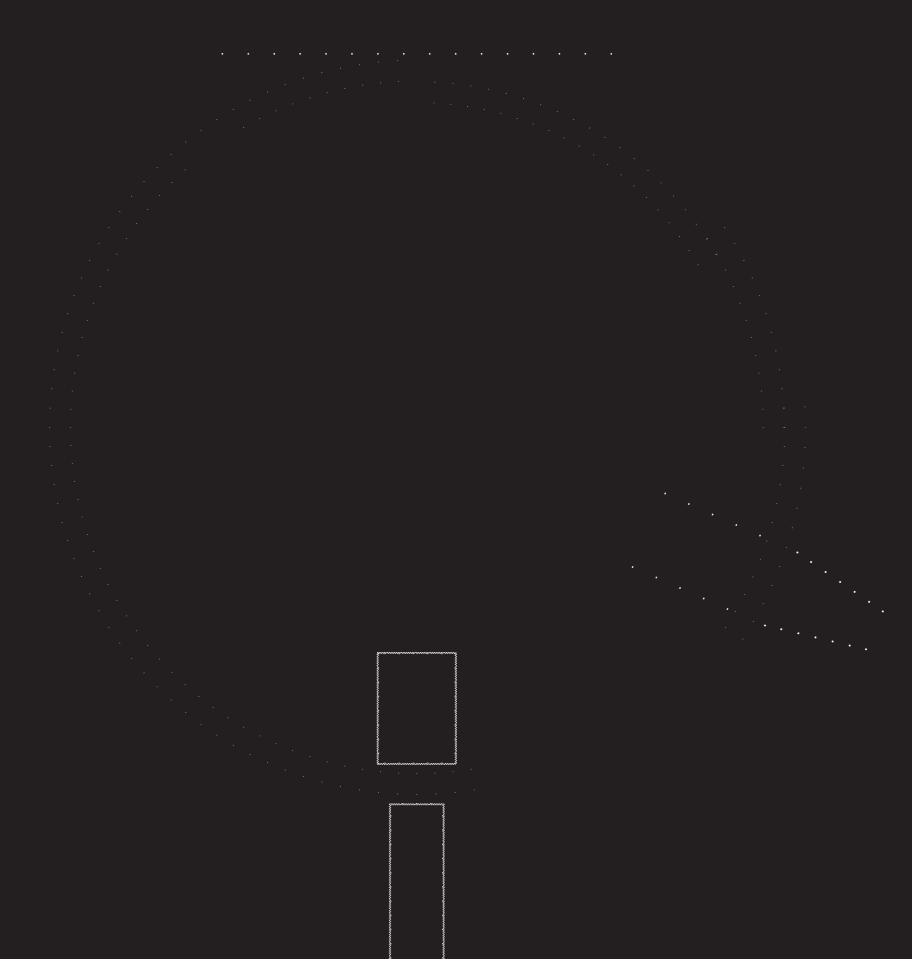


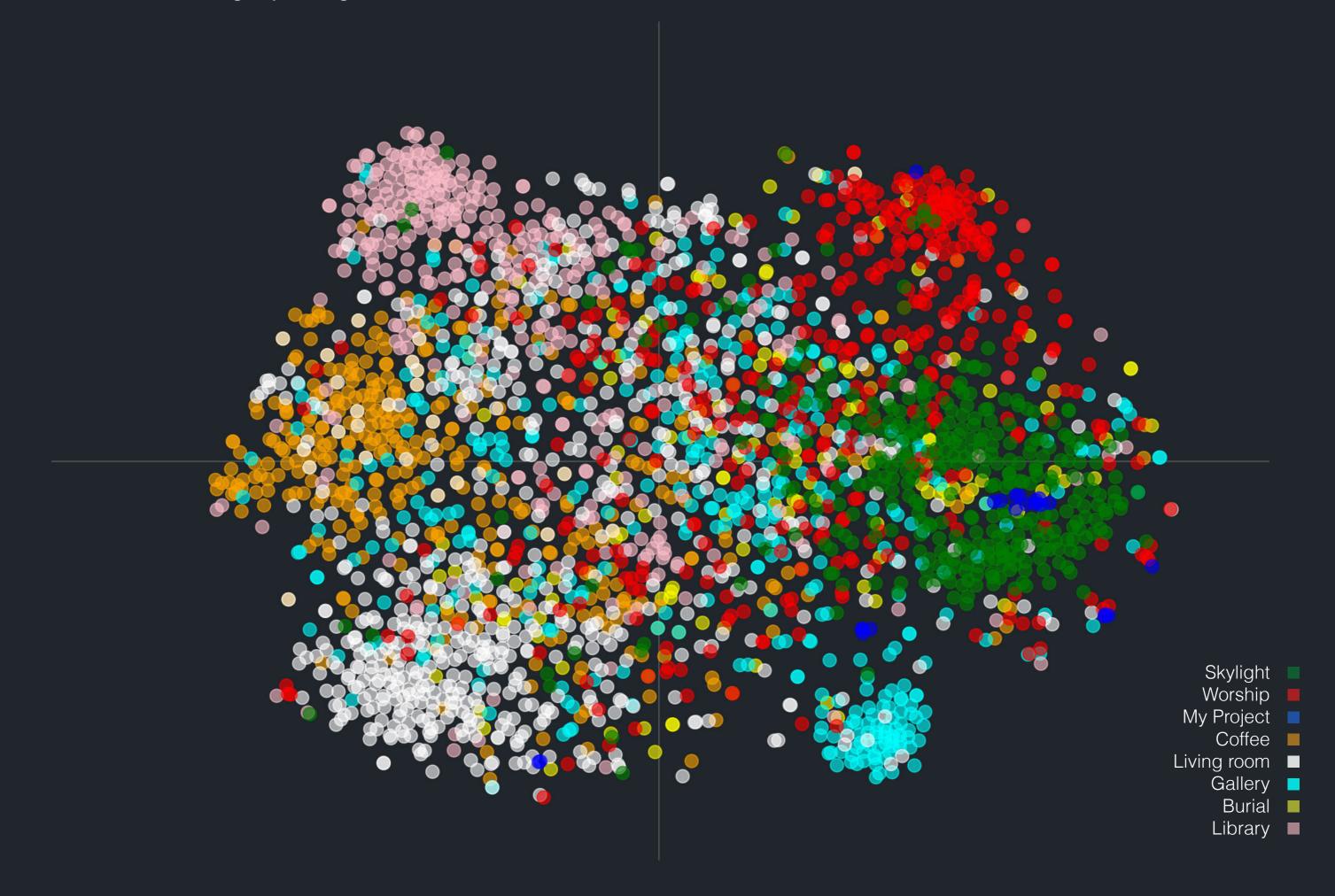












Reflection

