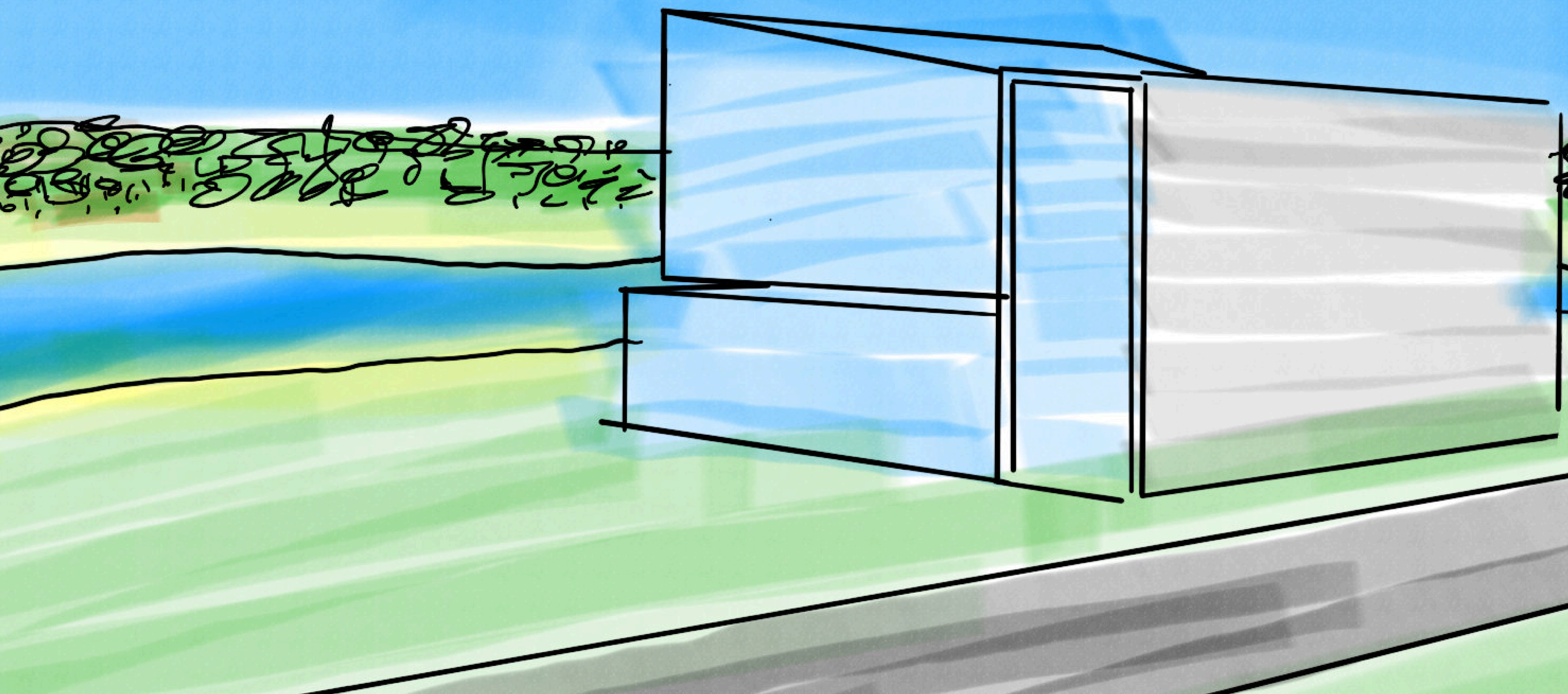
WOHNHAUS PROJECT



Contents

Design Context 3
Benchmarking 4-18
Site Analysis 19
Initial Ideation 20-22
Final Design 23

Design Context

A house.

30 sq metres of living space.

Everything necessary and desired must be within.

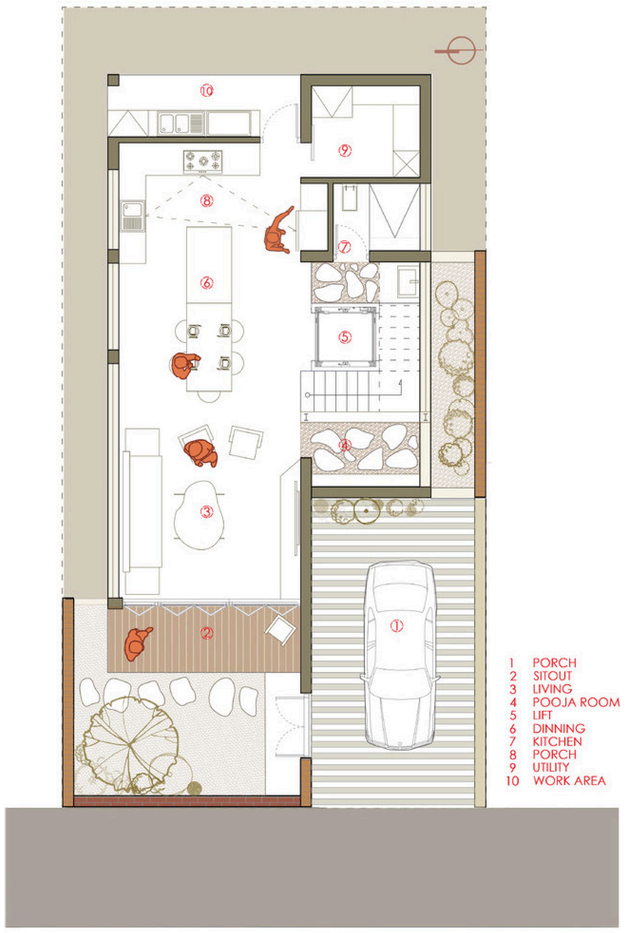
Next to the lake, sea or mountains.

The Tiny House



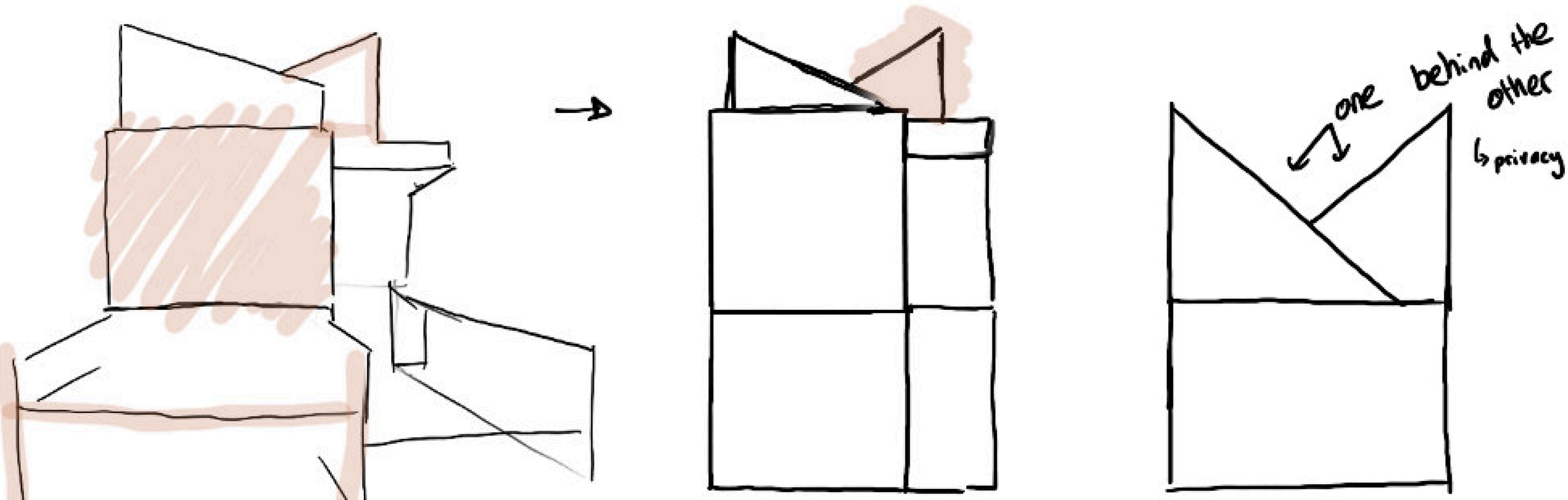
The Tiny House
Kerala, India
Architects: 7th Hue Architecture Collective
Area: 2023 ft²
Year: 2024

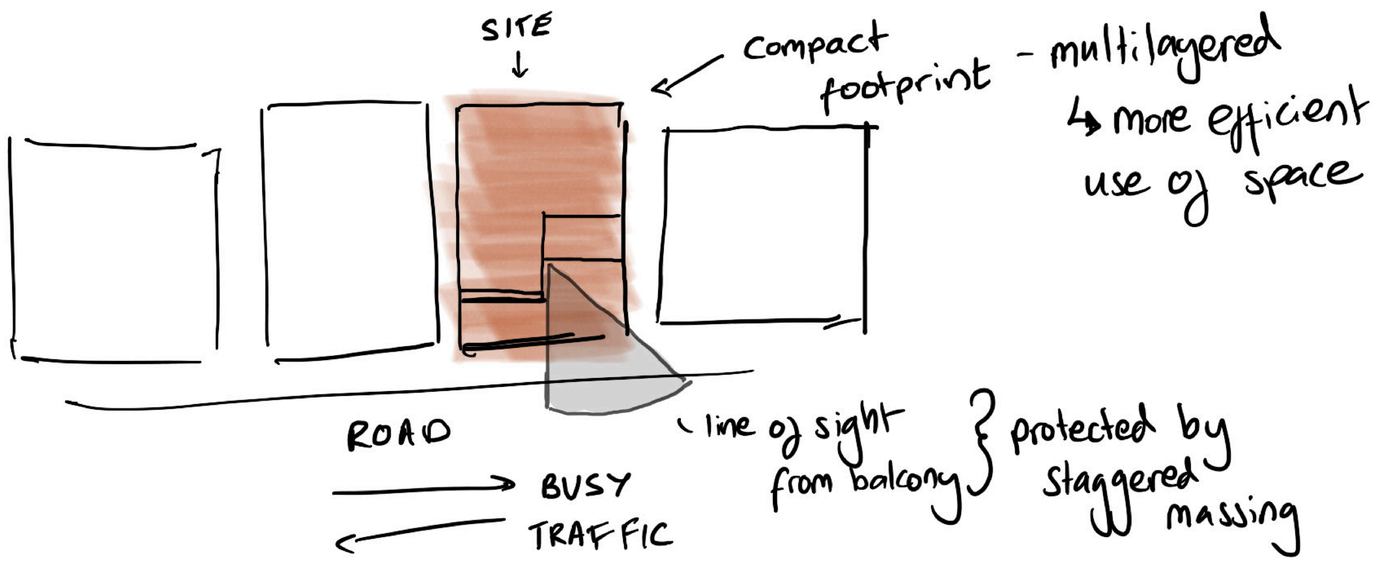
Function: A **compact urban house** that maximises space with an open-plan layout and double-height living. The **peforated facade** provides **privacy**, ventalation and daylight.

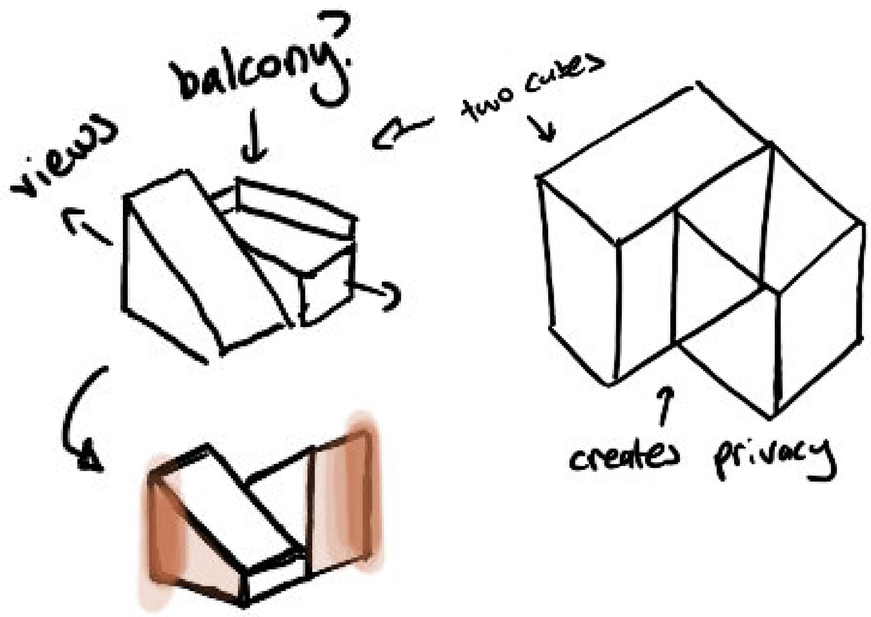




The Tiny House Cont.



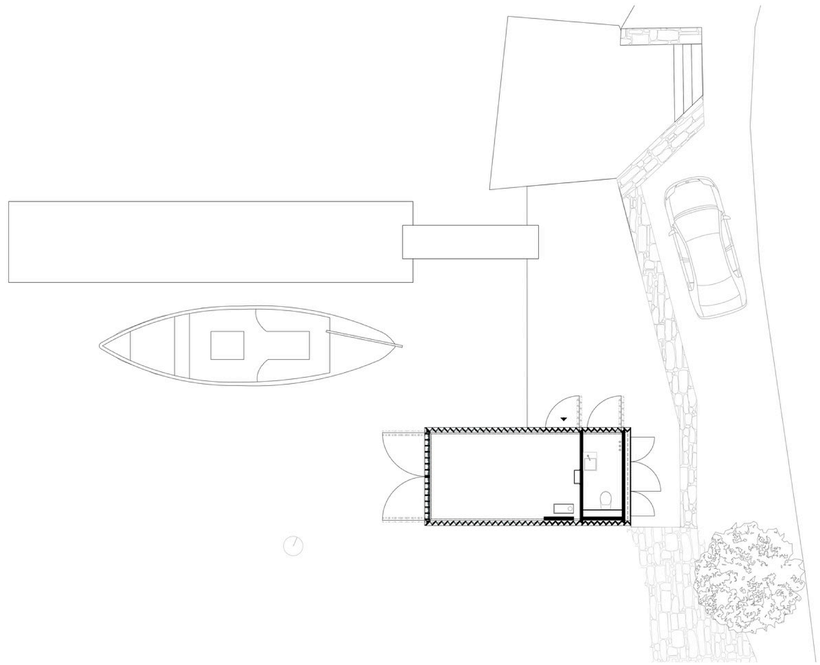




The Bathhouse





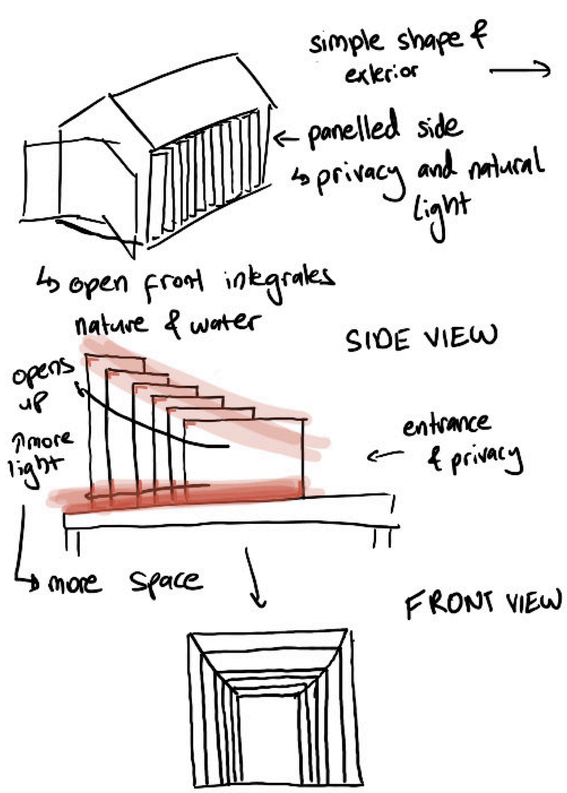




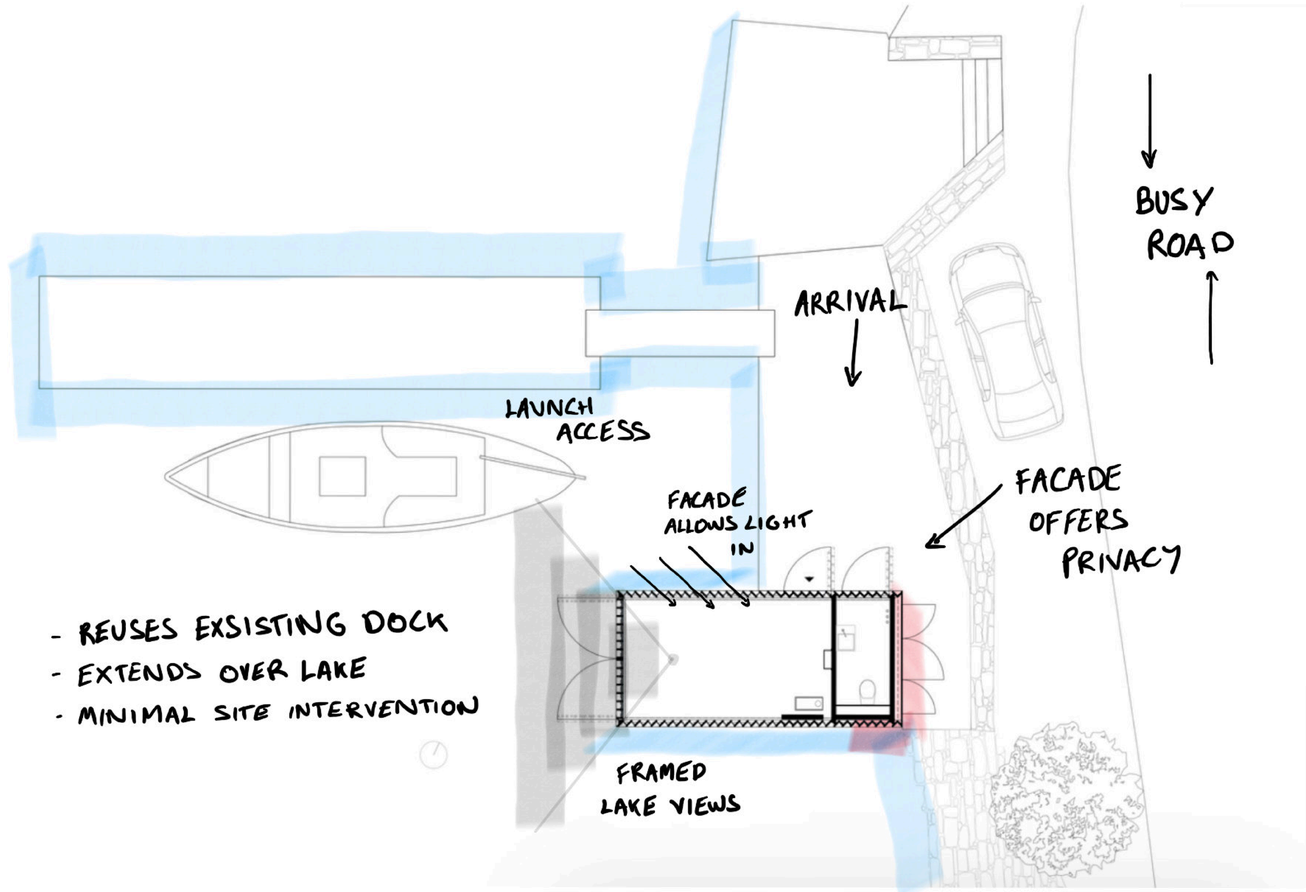
The Bathhouse
Norway
Architects: Handegård Arkitektur
Area: 18 m²

Function: A minimal waterside retreat combining lake life and **compact living** within a simple, efficient form. The **staggered facade provide privacy** as well as daylight.

The Bathhouse Analysis



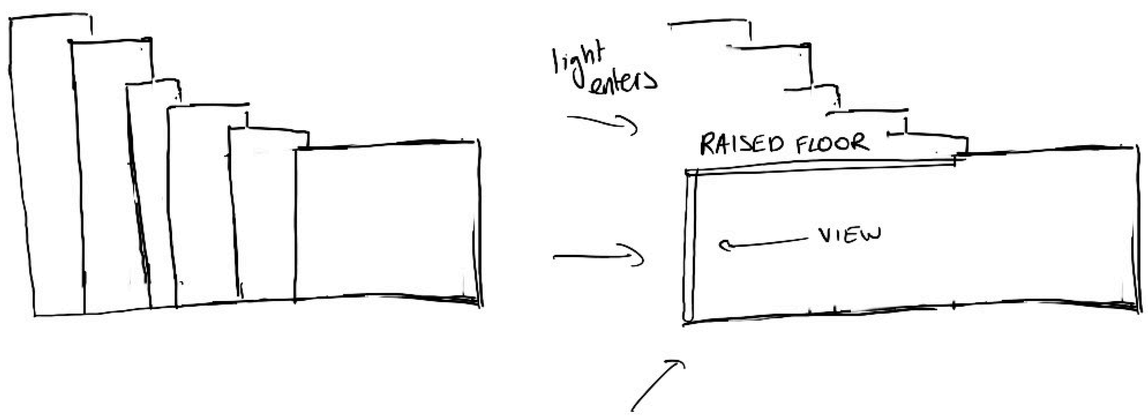




- REUSES EXSISTING DOCK
- EXTENDS OVER LAKE
- MINIMAL SITE INTERVENTION



LAYERED ENVELOPE

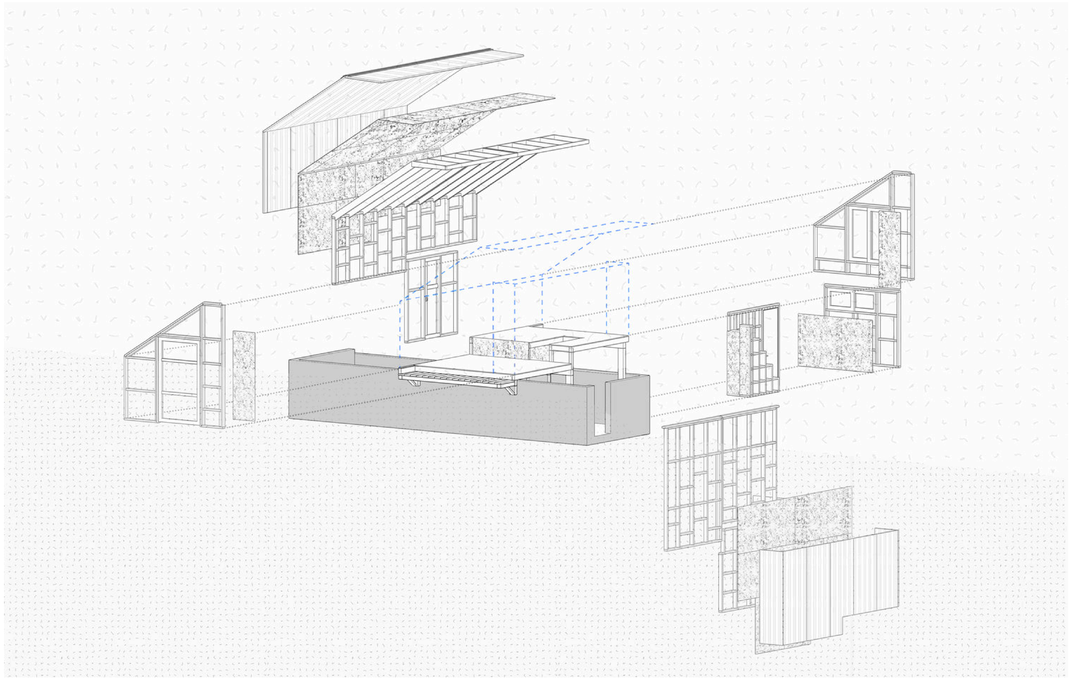


Pukará House



Pukará House
Cayambe, Ecuador
Architects: El Sindicato Arquitectura
Area: 24 m²

Function: A **low impact retreat** designed to **frame landscape views**, while reusing pre-exsisting infrastructure. The elevated form connects with the surrounding environment.

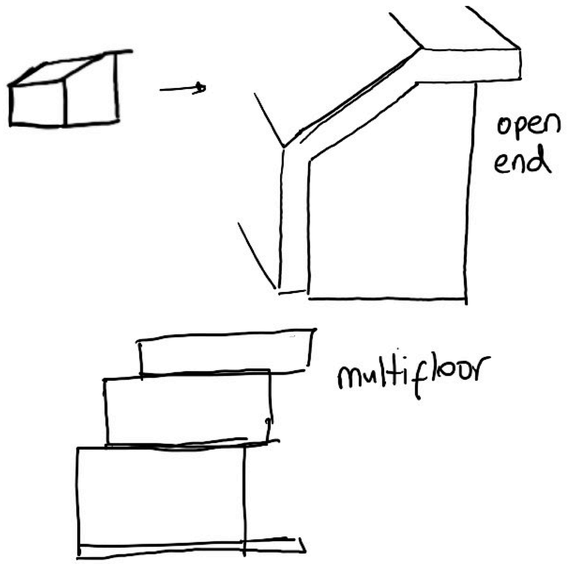


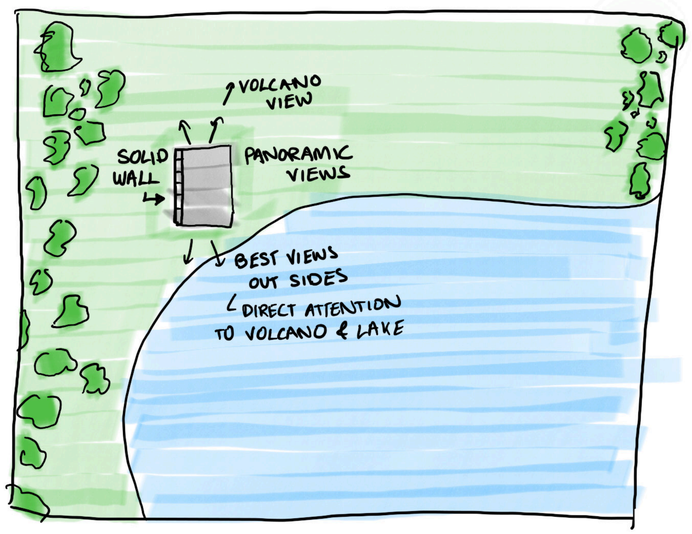


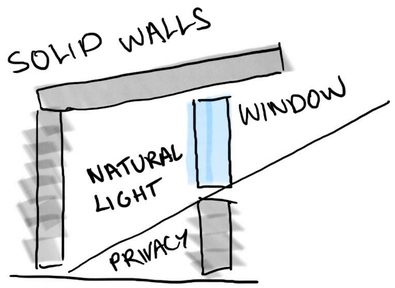


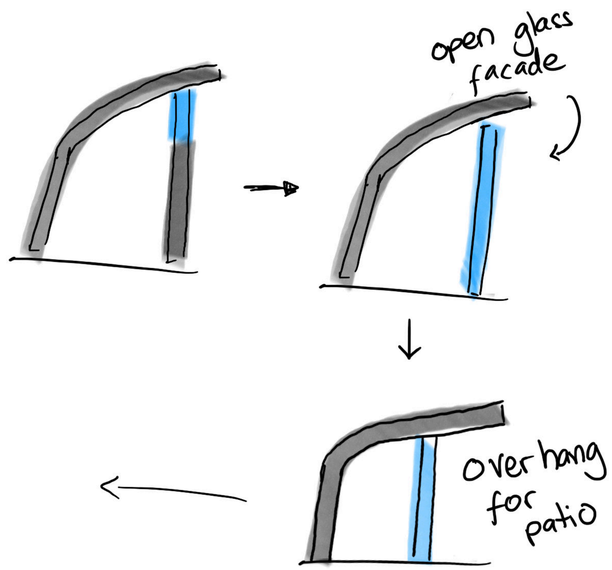
Pukará House Cont.

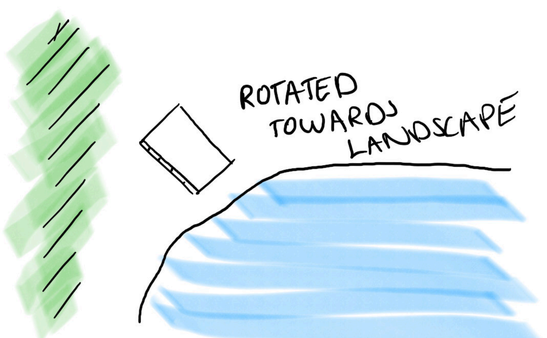




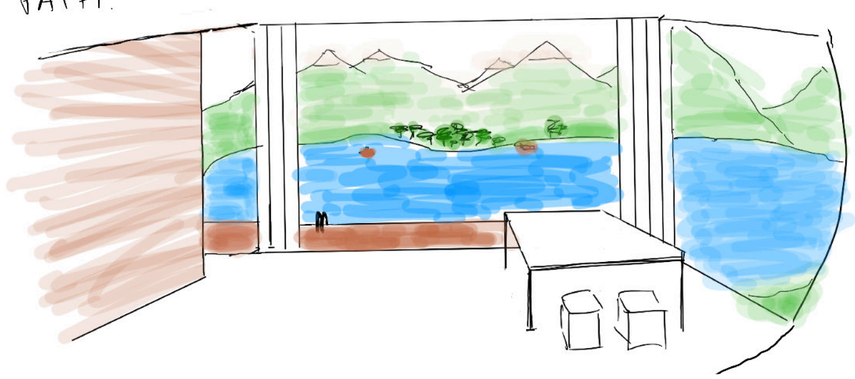








COMPACT RETREAT DIRECTING ALL VIEWS TOWARDS THE LAKE WHILE KEEPING PRIVACY FROM THE PATH.



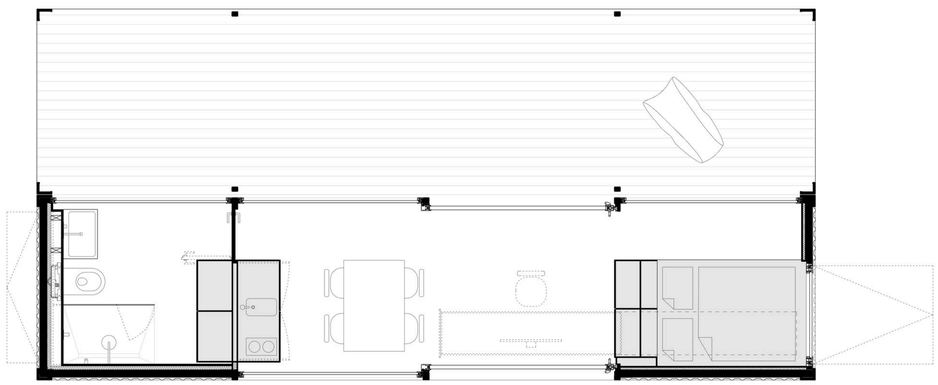
MM01 Cabin



MM01 Cabin
Austria
Architects: Christian Tonko
Area: 25 m²
Year: 2022

Function: A **weekend retreat** focused on **panoramic views** and an **indoor-outdoor connection**. The simple form creates calm, open living spaces.

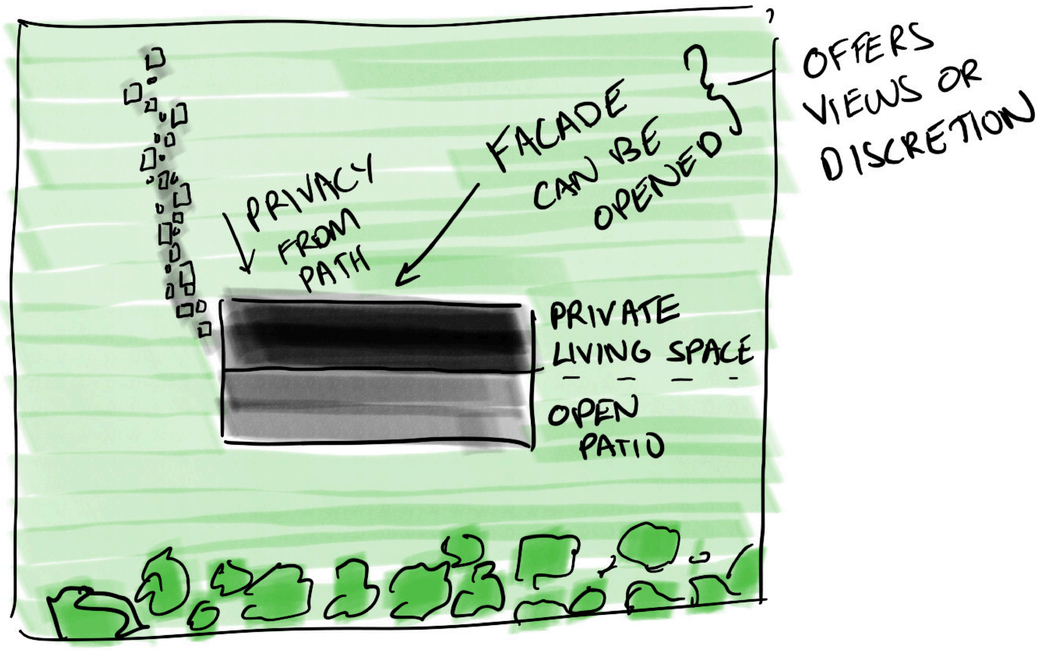


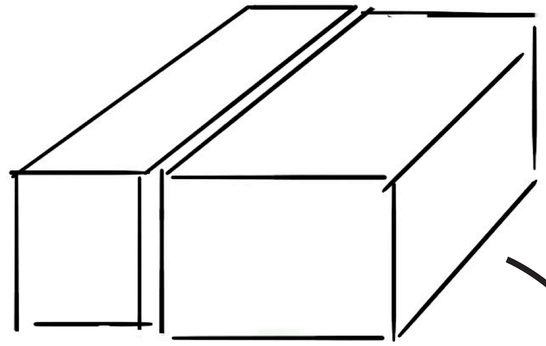


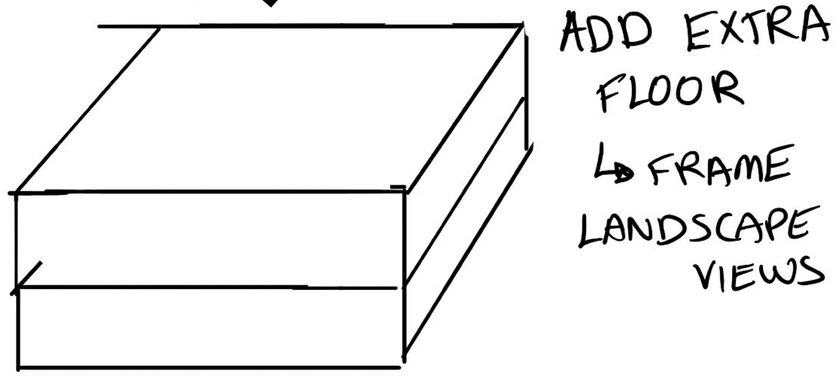
MM01 Cabin Cont.

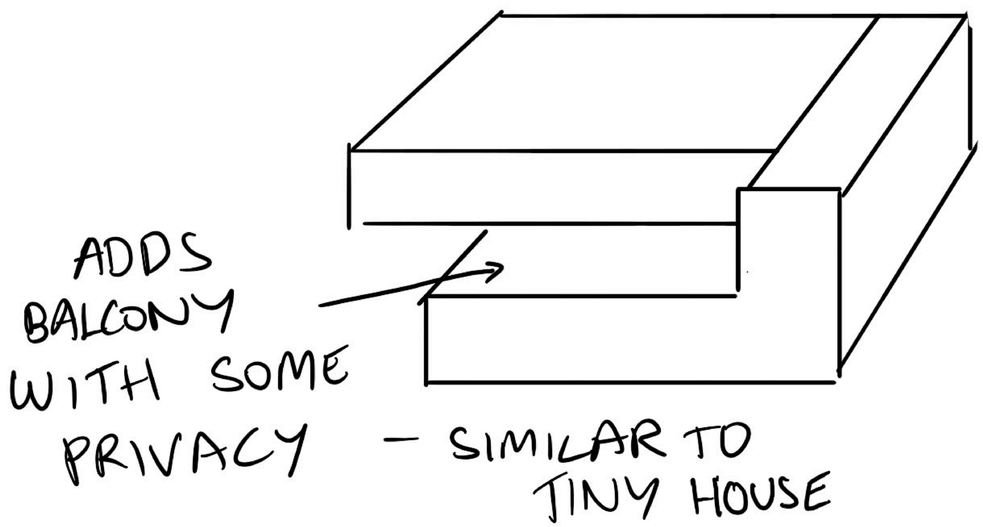












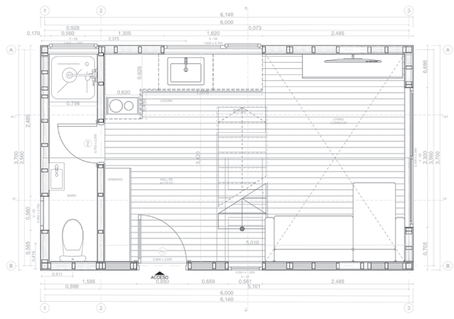
Tiny Auro



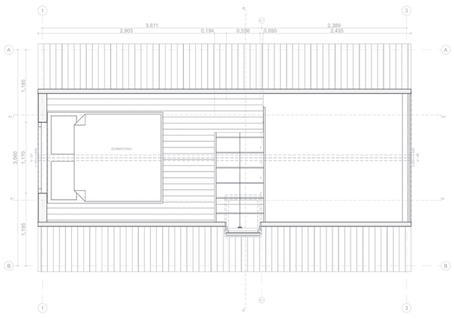


Tiny Auro
Puerto Varas, Chile
Architects: TRAWA Arquitectos
Area: 25 m²

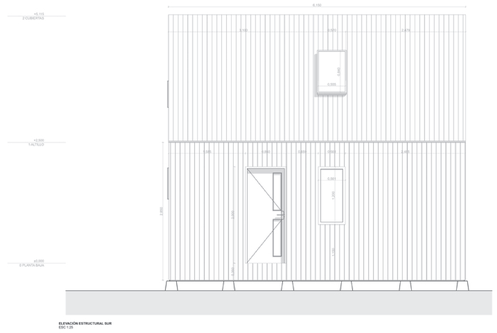
Function: A **minimal cabin** that maximises a small footprint through **double-height volumes** and generous natural light. The large openings and three walls **focuses views** out the front at the landscape.



PLANTA GENERAL
ESC 1:25



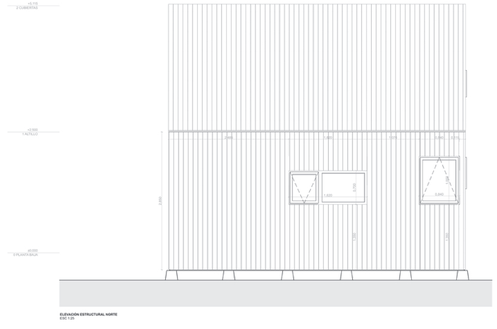
PLANTA ALTILLO
ESC 1:25



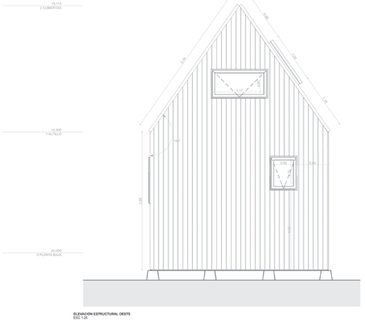
ELEVACIÓN ESTRUCTURAL SUR
ESC 1:25



ELEVACIÓN ESTRUCTURAL ESTE
ESC 1:25

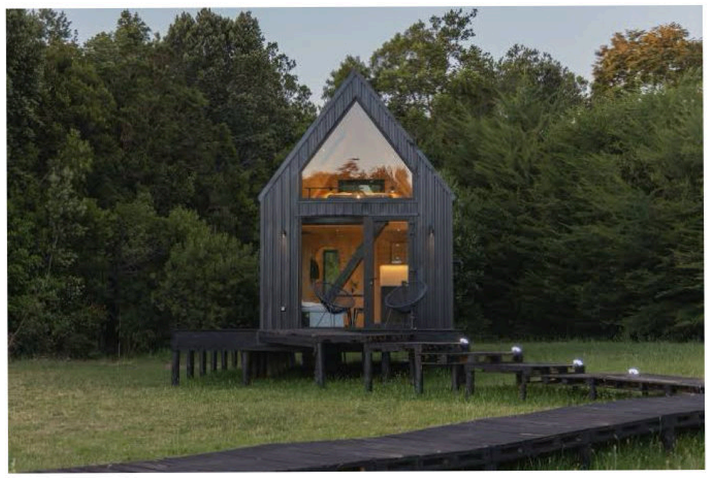


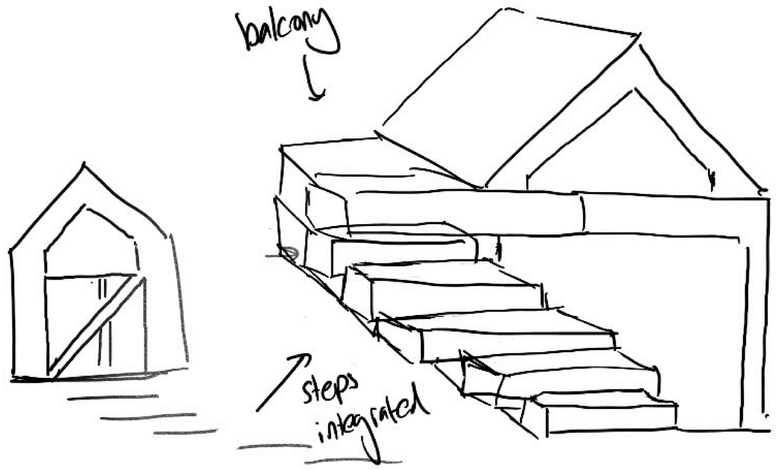
ELEVACIÓN ESTRUCTURAL NORTE
ESC 1:25

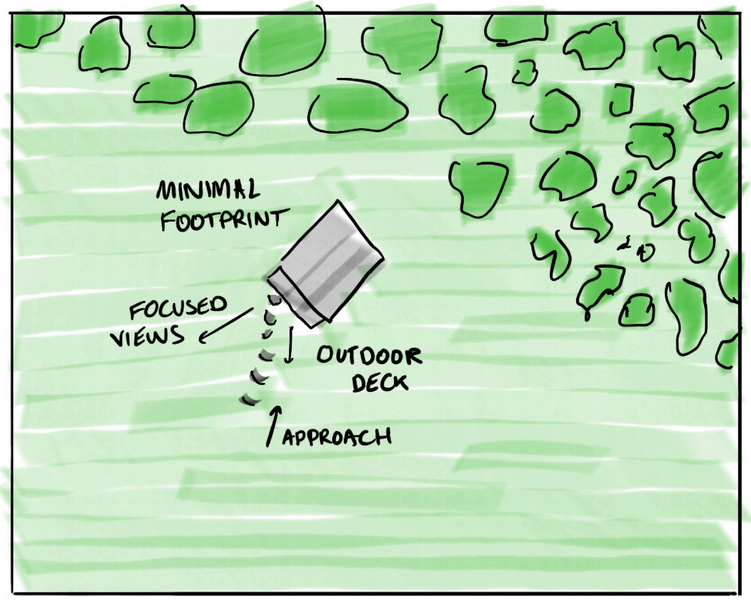


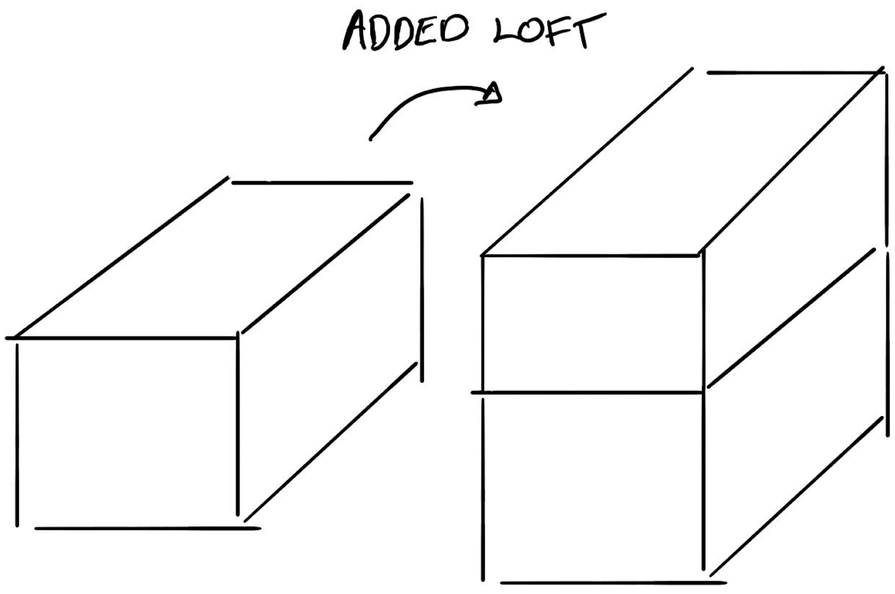
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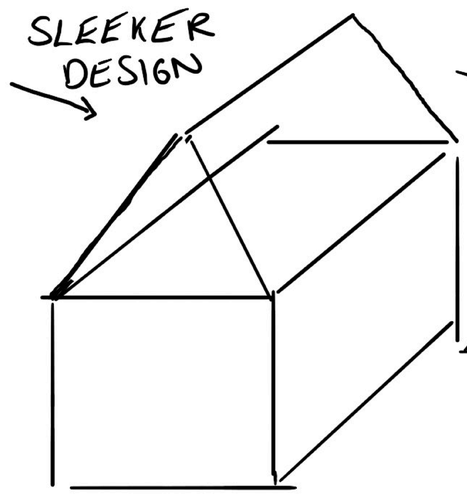
Tiny Auro Cont.

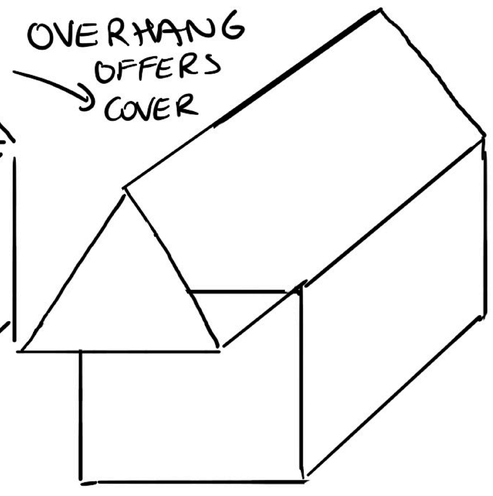








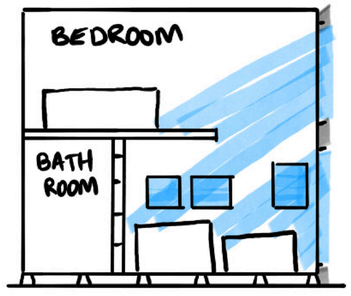




LARGE OPEN GLAZING

↳ OPEN FEELING ON A SMALL FOOTPRINT

SLEEPING LOFT ↳



House for Two



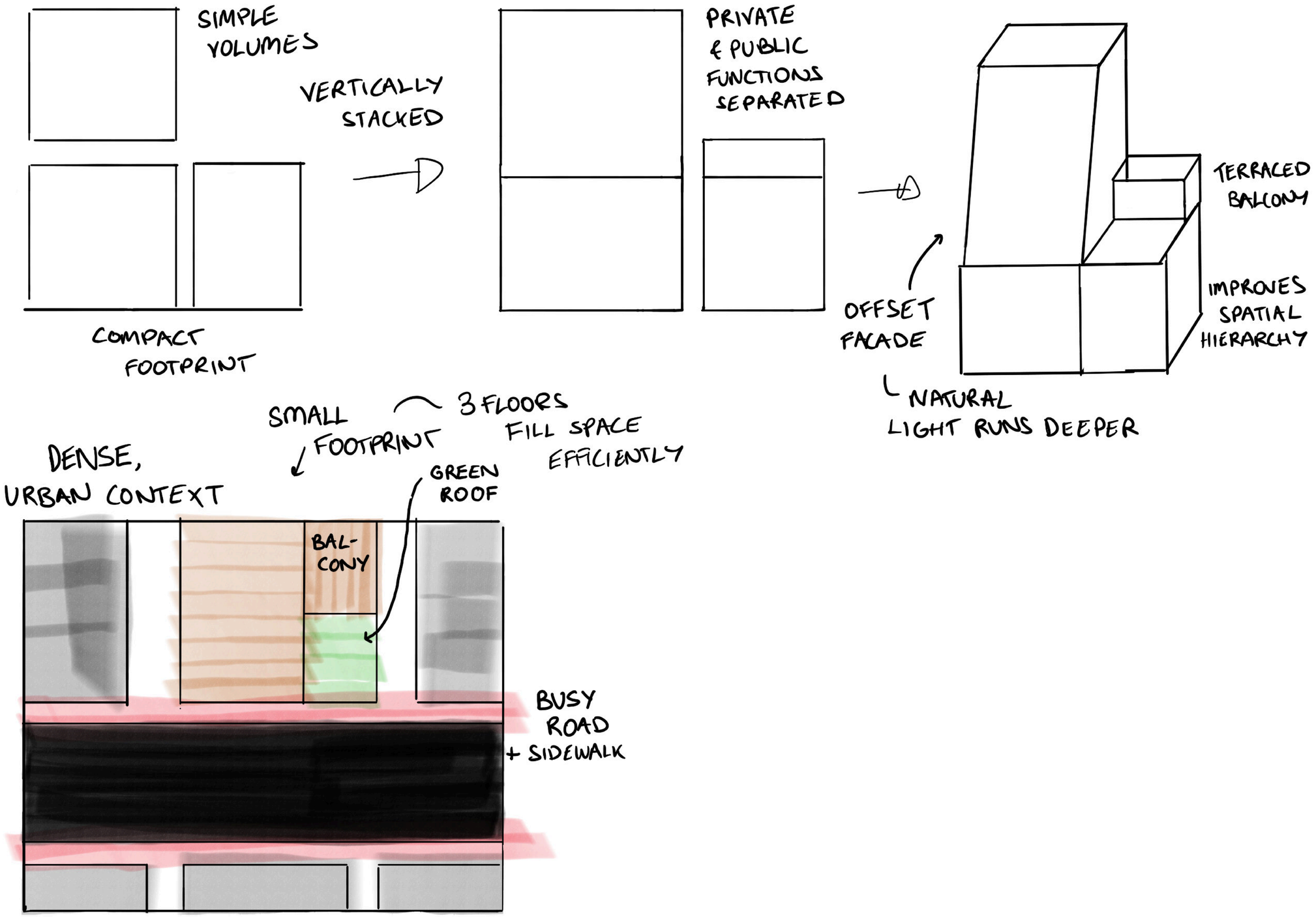




House for Two
Japan
Architects: Tenhachi Architect & Interior Design
Area: 27 m²
Year: 2022

Function: A **compact home** using **split levels** to seperate functions, creating a greater sense of space. Integrated storage improves efficiency.

House for Two Cont.

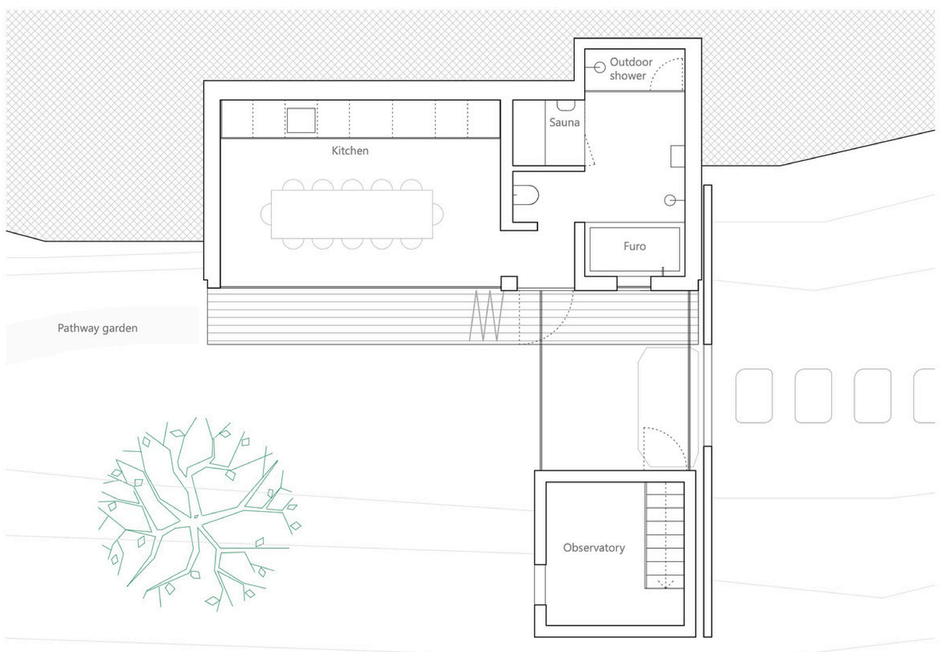


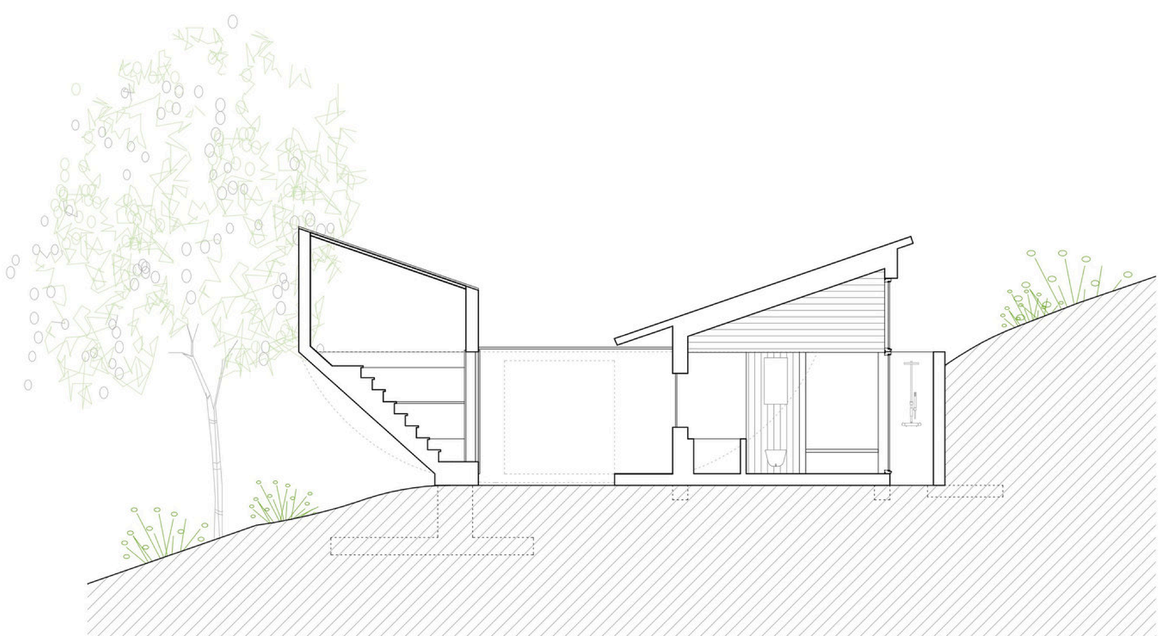
Folly at Fair Hill



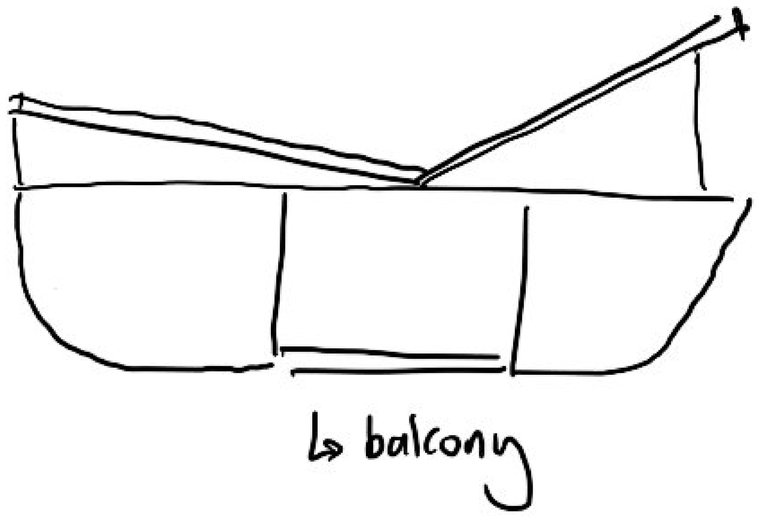
Folly at Fair Hill
Asker, Norway
Architects: Rever & Drage Architects
Area: 30 m²

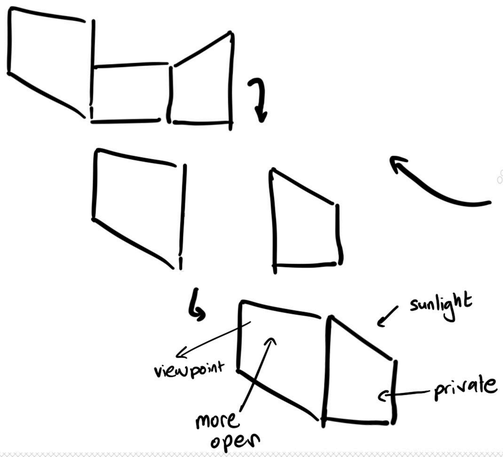
Function: A **compact lakeside retreat** that uses **framed views** and an **asymetrical roof** to connect the interior with the landscape while maintaining

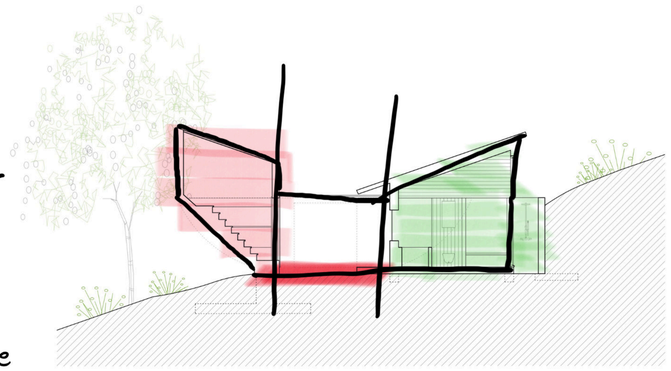


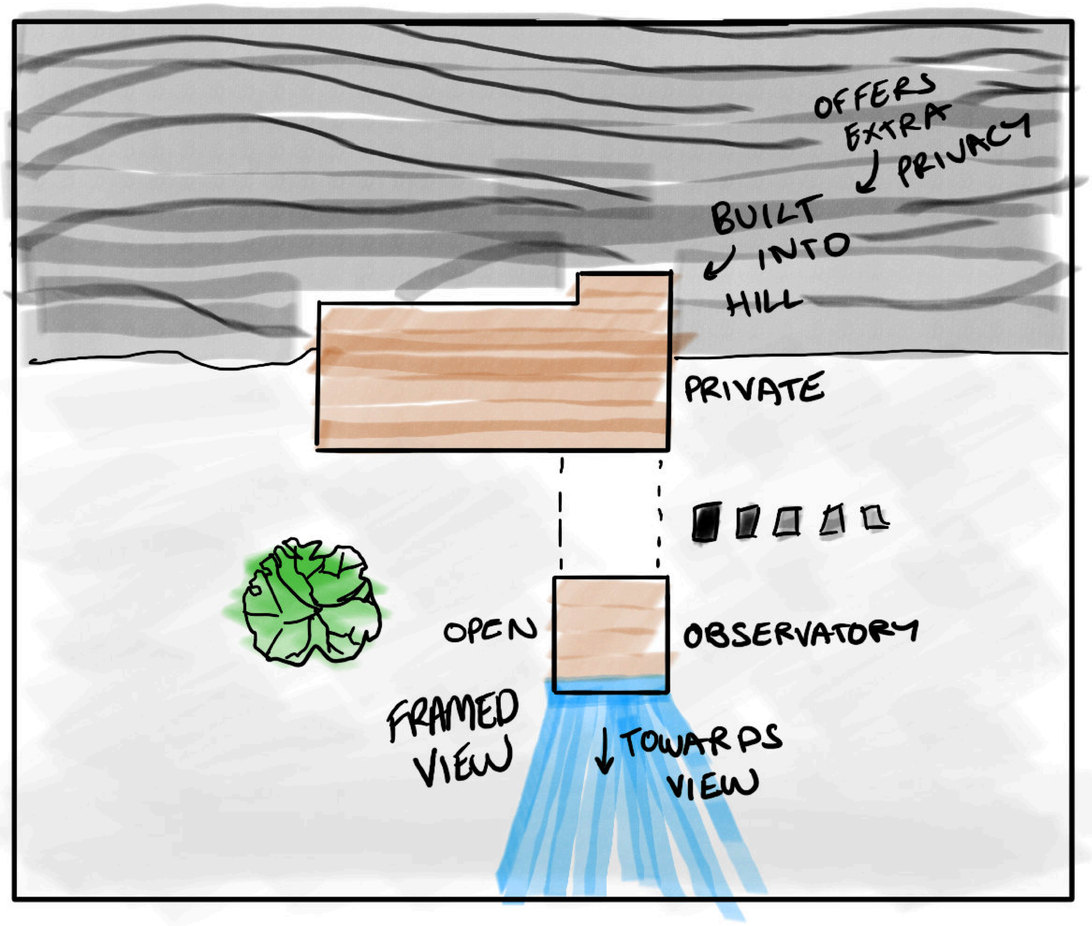


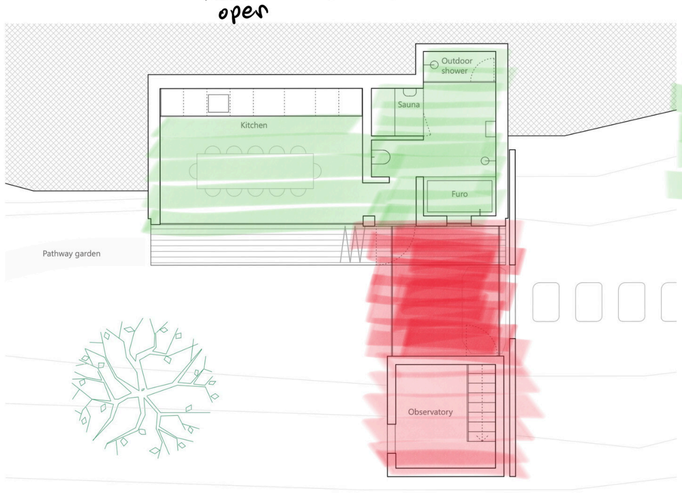
Folly at Fair Hill Cont.

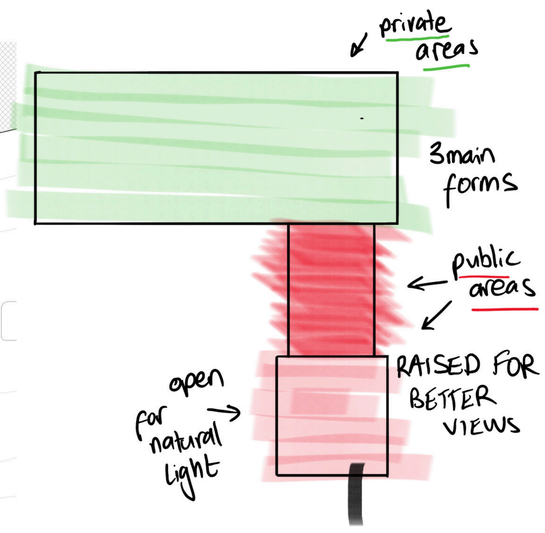




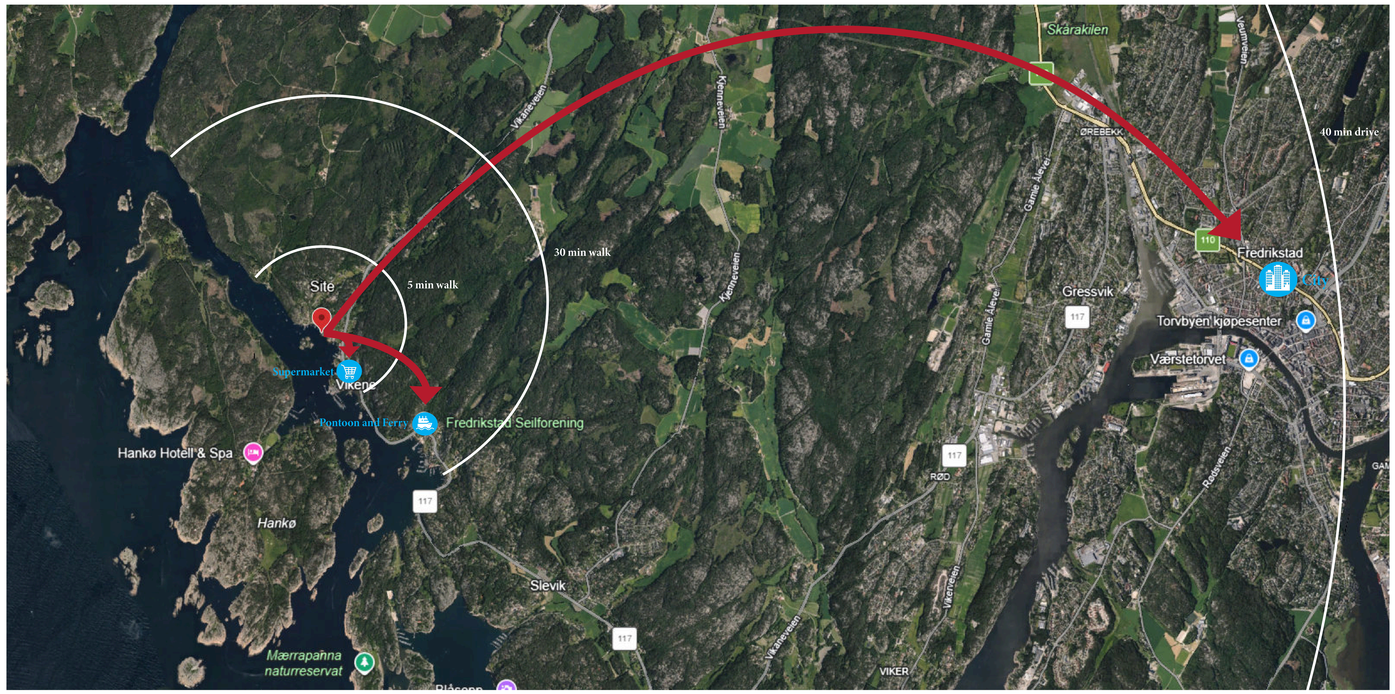


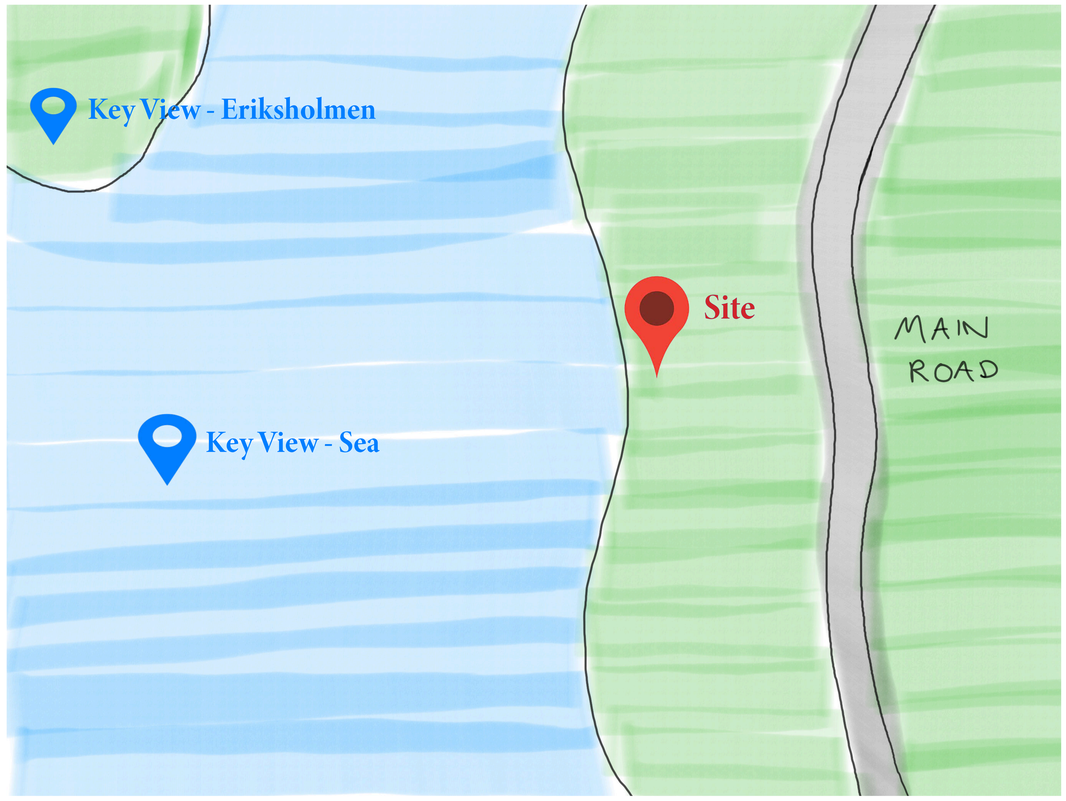






Site Analysis

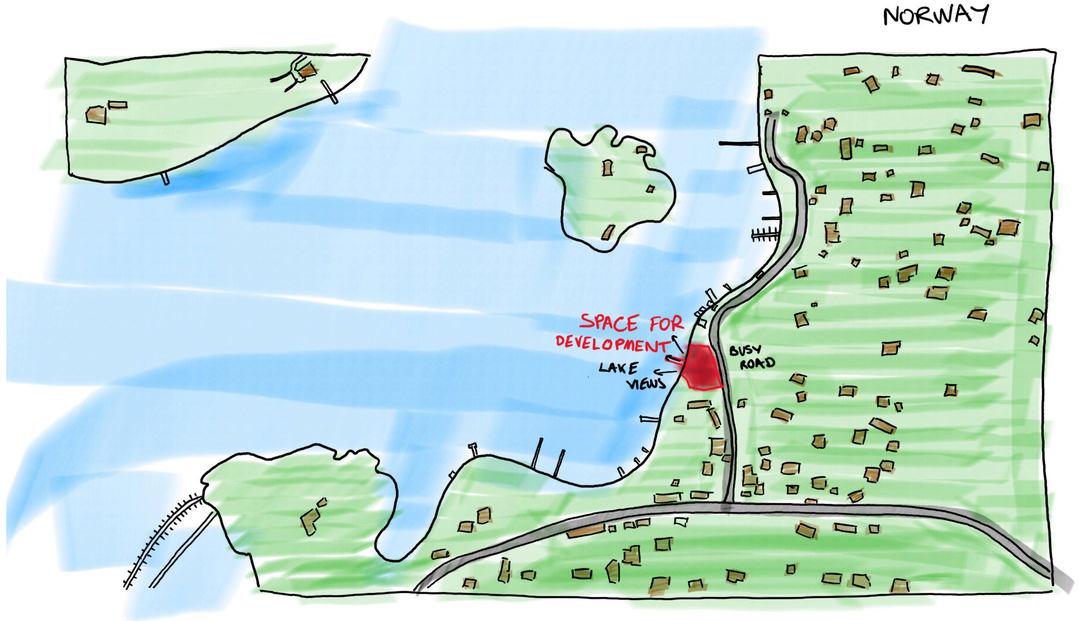


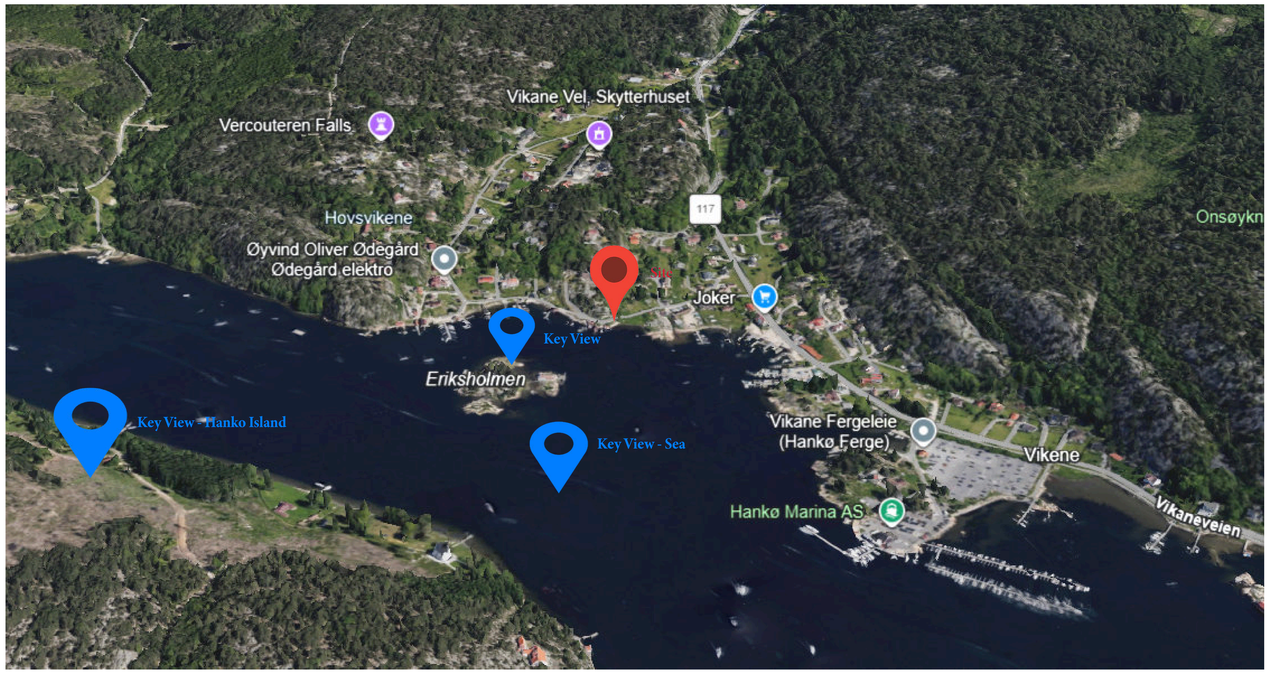


PROPOSED SIGHT:

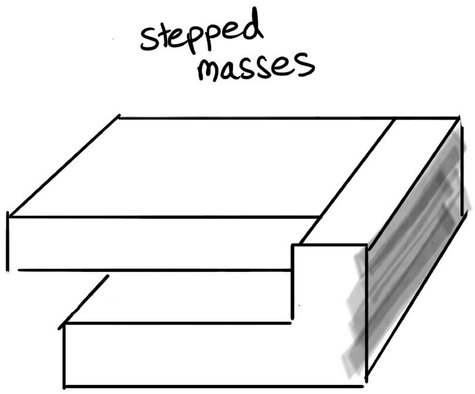
- NEXT TO LAKE, ROAD ACCESS.
- PROVIDES VIEWS BUT REQUIRES PRIVACY.

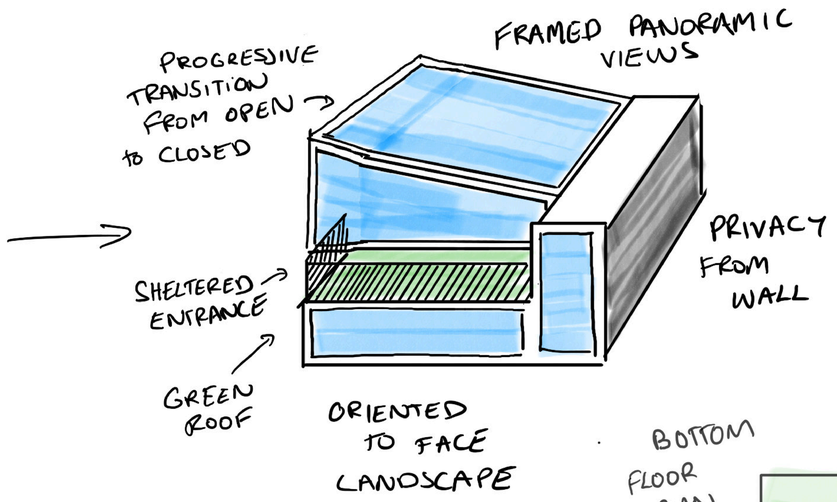
SIMILAR TO HANKO ISLAND NORWAY

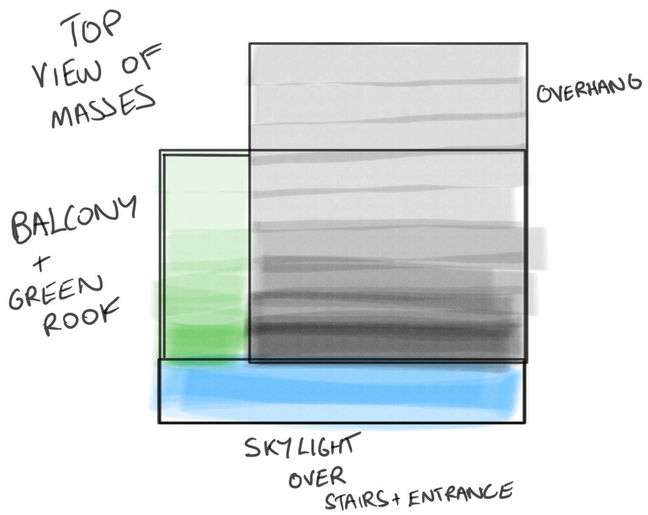


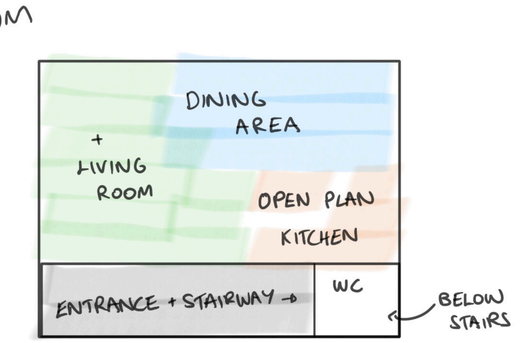


Intial Ideation 1

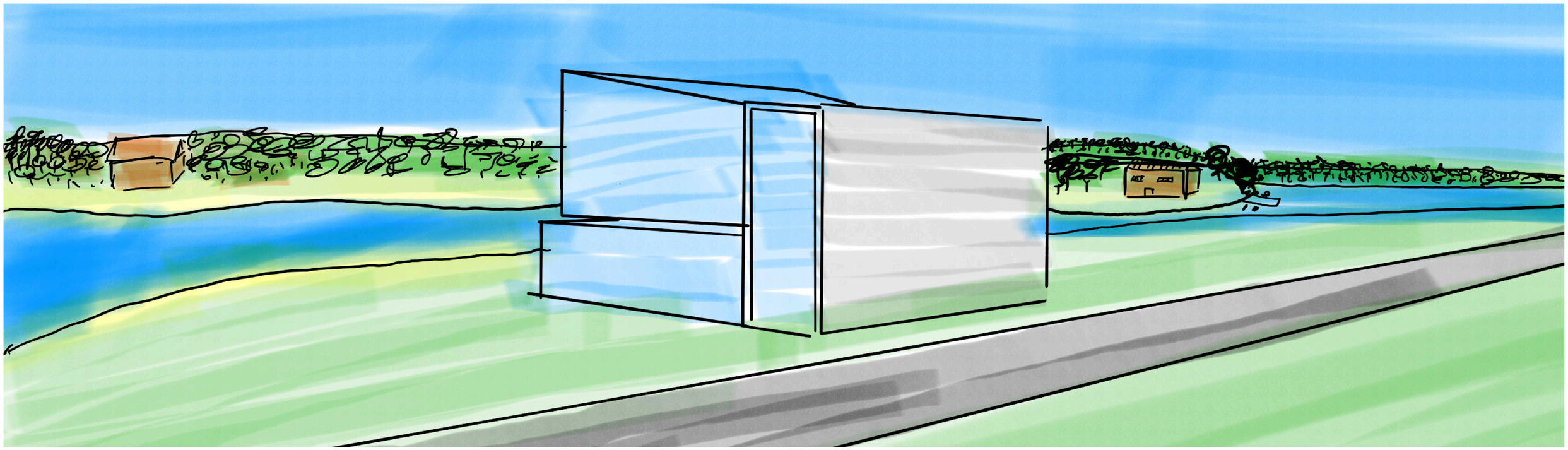




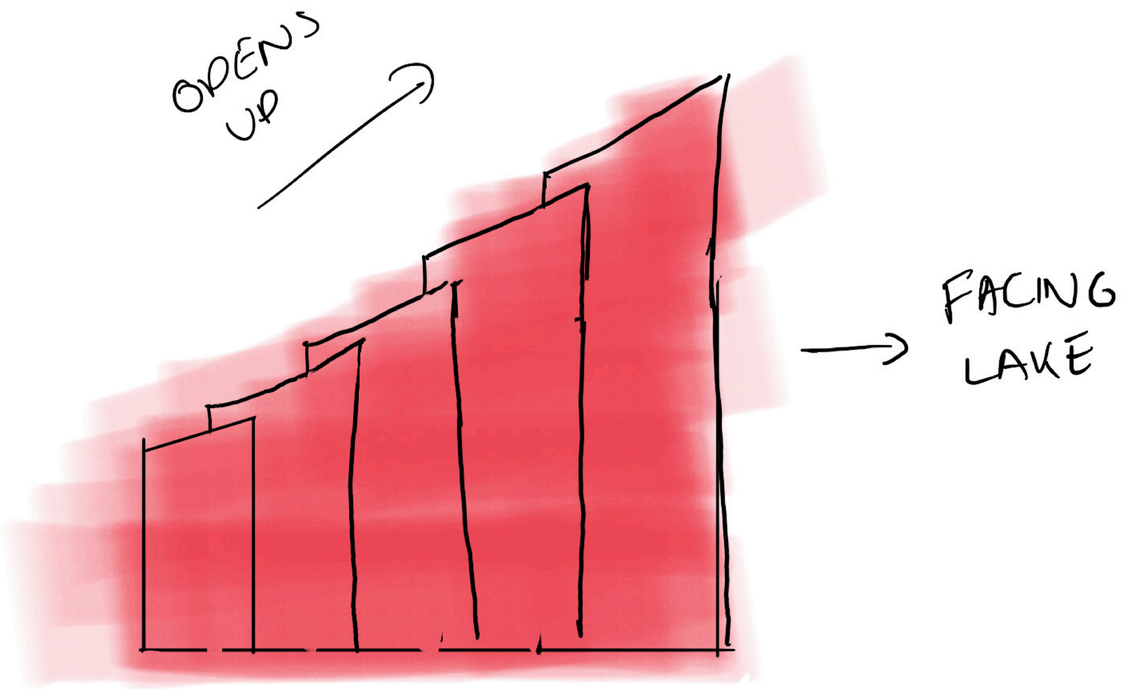


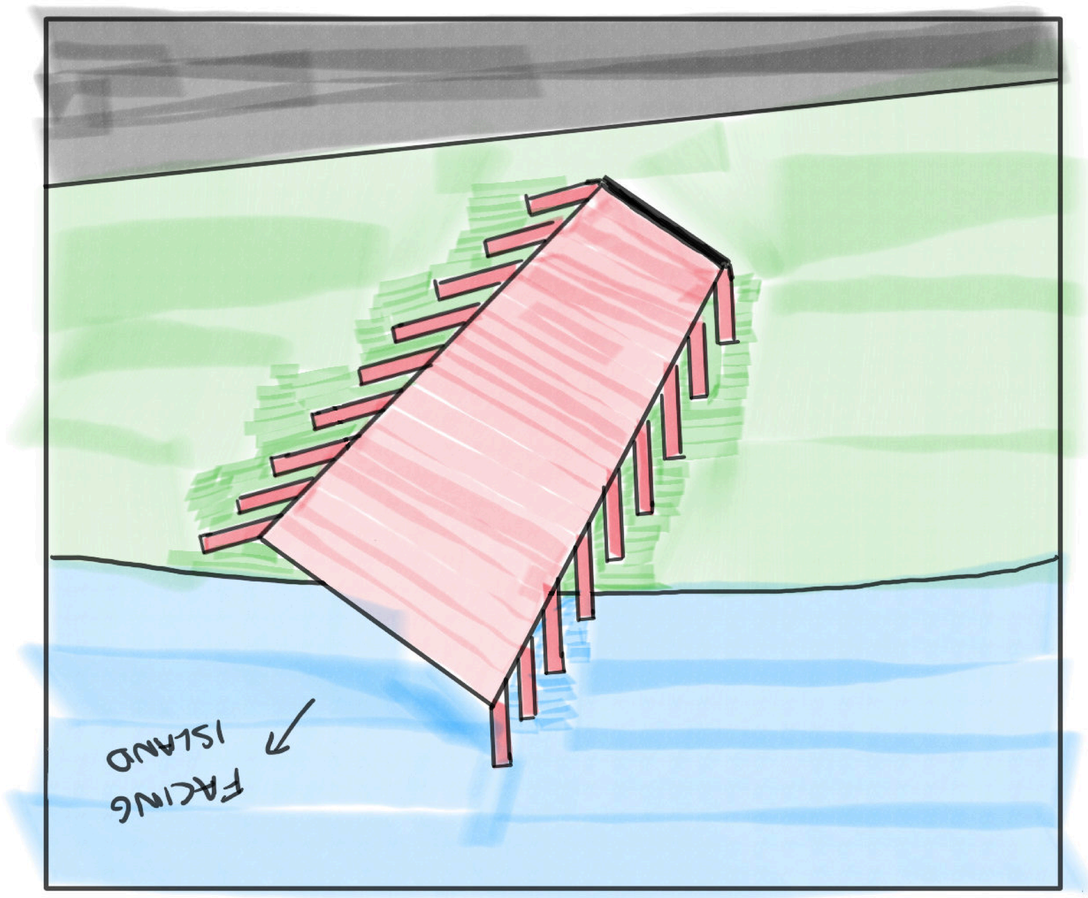


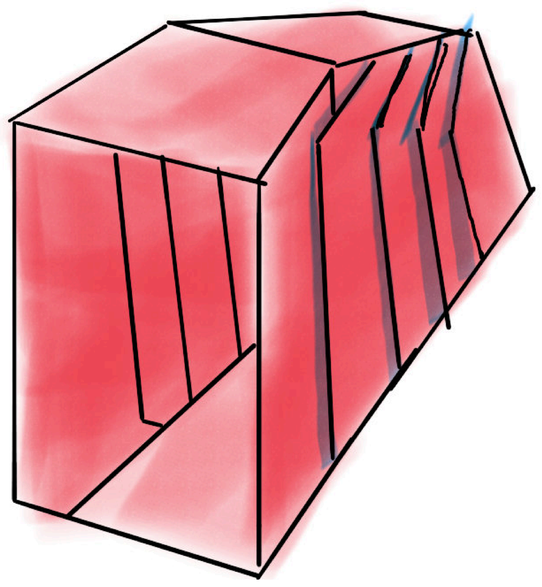


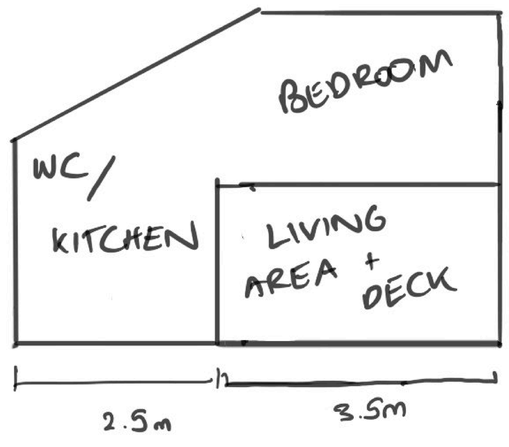


Intial Ideation$_2$



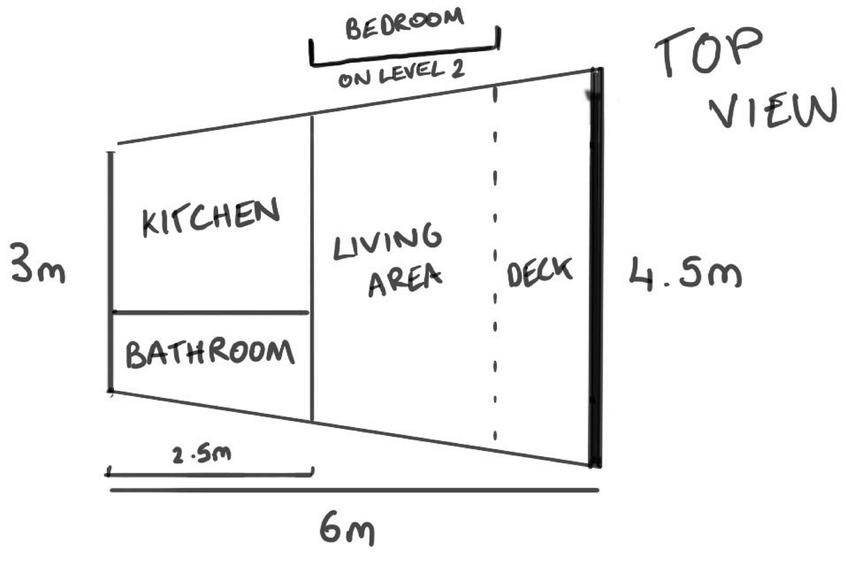






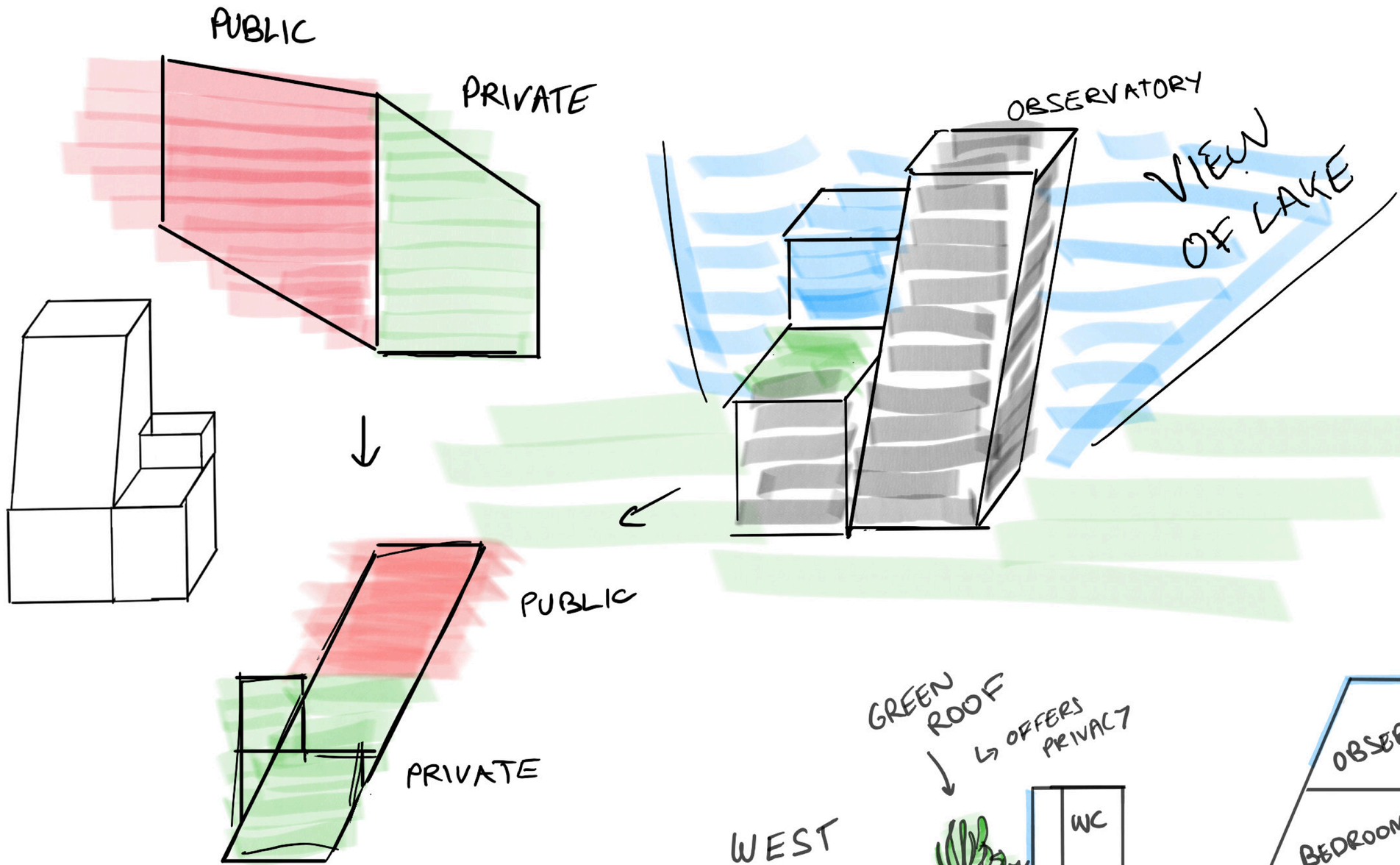
SIDE SECTION

→ OPEN VIEWS

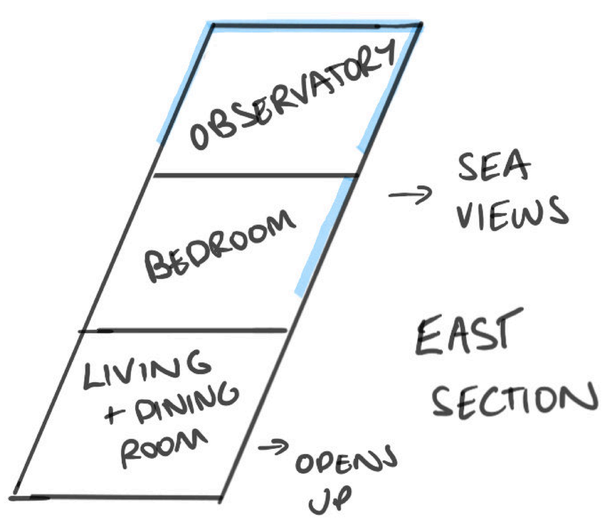


TOP VIEW

Intial Ideation$_3$

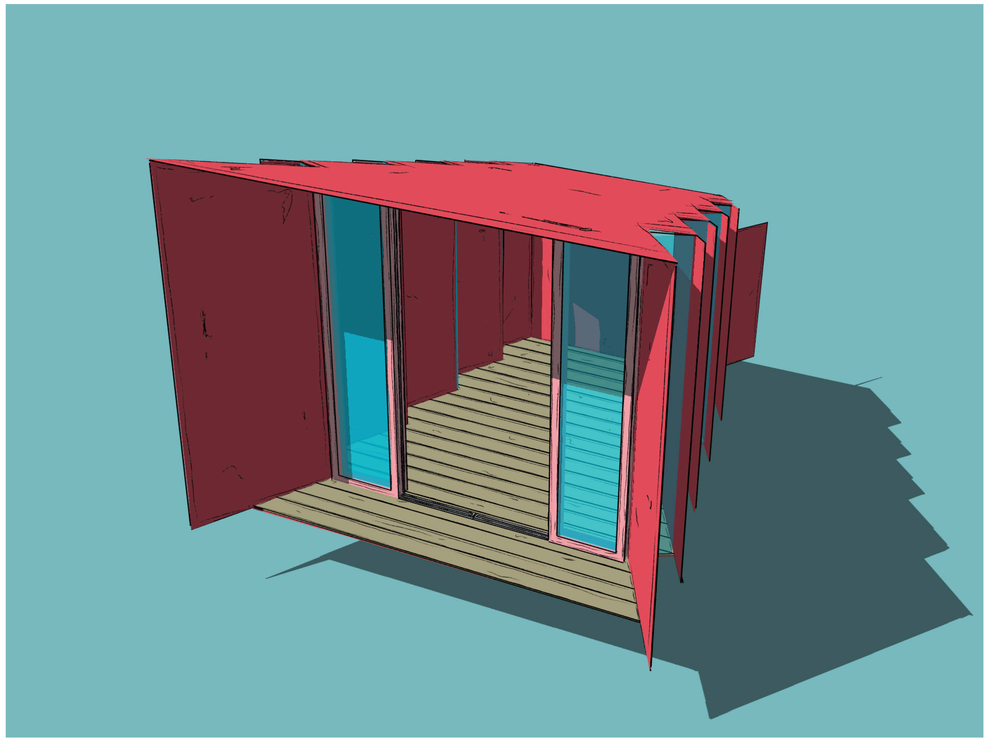


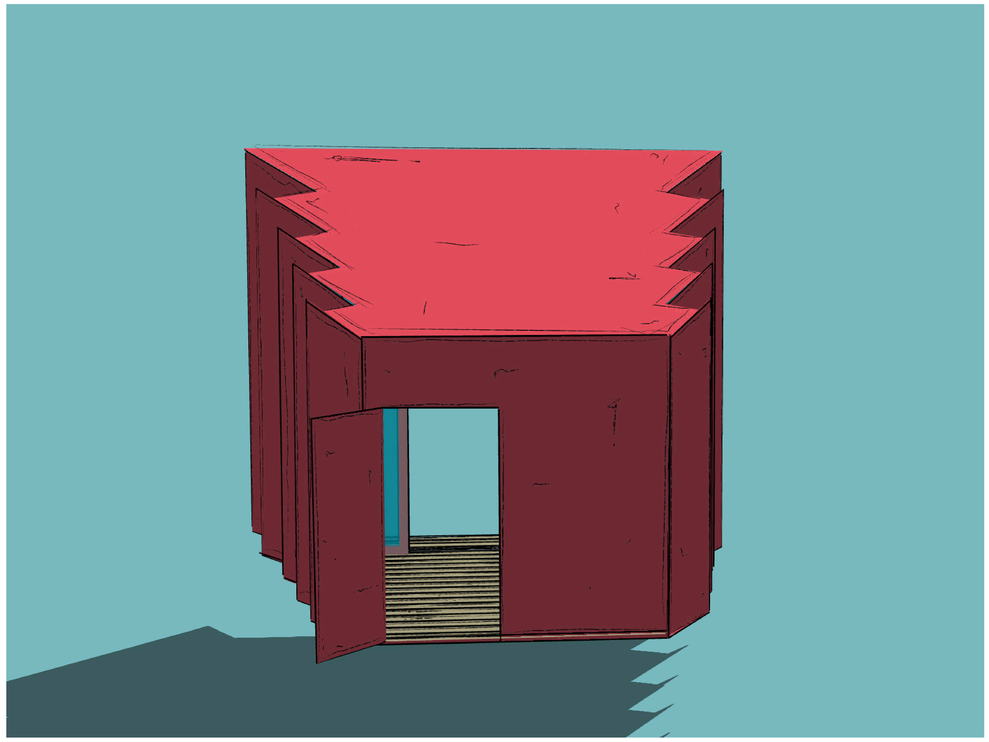
WEST SECTION



EAST SECTION

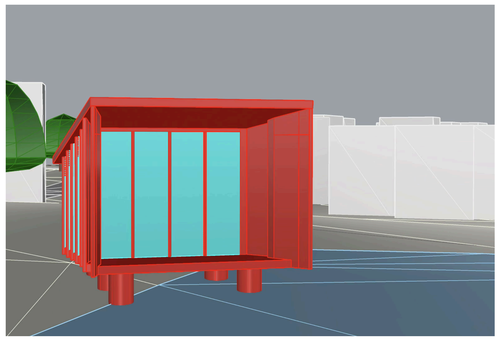
Final Design

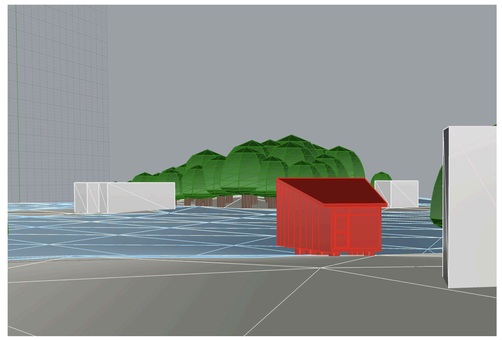


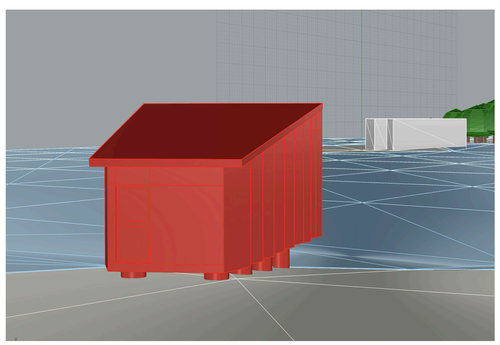


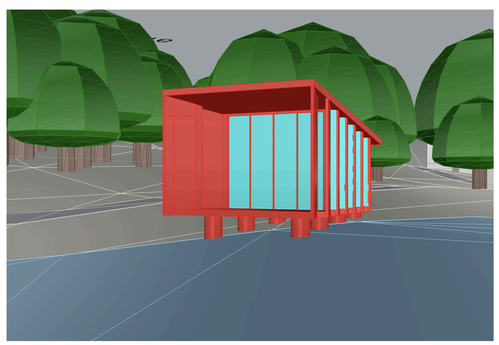
Sketches in Feather 3D

To develop my final idea, understanding form, spacing and sizing of the design, I drew the building using Feather 3D.









Rhino Model

To develop the idea and understand the spacing in the building as well as the placement of the house in the surroundings. As seen on the left and the site map, the building is pointed towards the key views.