

Portfolio

Magnus Tveitan

Architect

Magnus Tveitan

+47 951 20 477 / magnus@123.no
Benstebrugt. 25C, 0469 Oslo



About

Skills and software

Modelbuilding, Drawing, Archicad, Cinema4D,
Rhino3D, Sketchup, Ecotect, Autocad, Photoshop,
Illustrator, Indesign

Language

Norwegian (native), English (good)

Interests

Cycling, photography, modify bicycles, fishing, be with
family and friends

References

Available on request

Work experience

January–March 2012

Leading Design Studios S.L., Barcelona

June–August 2011

Arkitekt Magnus Fjogstad, Oslo

January–February 2008

Tupelo Arkitektur AS, Oslo

Education

2012–14

M. Arch/ Studio M: A: D
(Making Architectural Design)
Focus on architecture intimate scale.
Aarhus School of Architecture
Denmark

2008–11

B. Arch / RIBA I
University of Glasgow / Glasgow School of Art
Scotland

2005–07

3-dimensional techniques
Einar Granum School of Art
Oslo

2001–04

Media & Communication
Elvebakken V.G.S.
Oslo

2012

**Competition / Aarhus municipality
Aarhus School of Architecture**

Mindeparken

Mindeparken (established in 1925) is a park located in Aarhus, next to Marselisborg. Here it is erected a memorial to those who fell in the First World War. The park has over 900 different types of trees and shrubs from around the world.

--

The project's main goal is to attract people to a unutilized area in the park.

A sawed-off trunk found in the vicinity is used as inspiration. Interesting shapes and forms in the trunk were used further to create an idea for the project.

I chose to design a bench as a focal point, which can engage adults and kids to play and have fun. Also a bench where you can relax as well as enjoying the surroundings.

Oak is thought to be the main material. This is because it is a wood species that can withstand most of the weather conditions. Also it is a common symbol of strength and endurance.

The bench is divided up. The different parts are of different heights and directions, so that they individually define a specific orientation in the park.

01



02



03



01 Map over Mindeparken

02 Mindeparken, towards East

03 Mindeparken, towards West

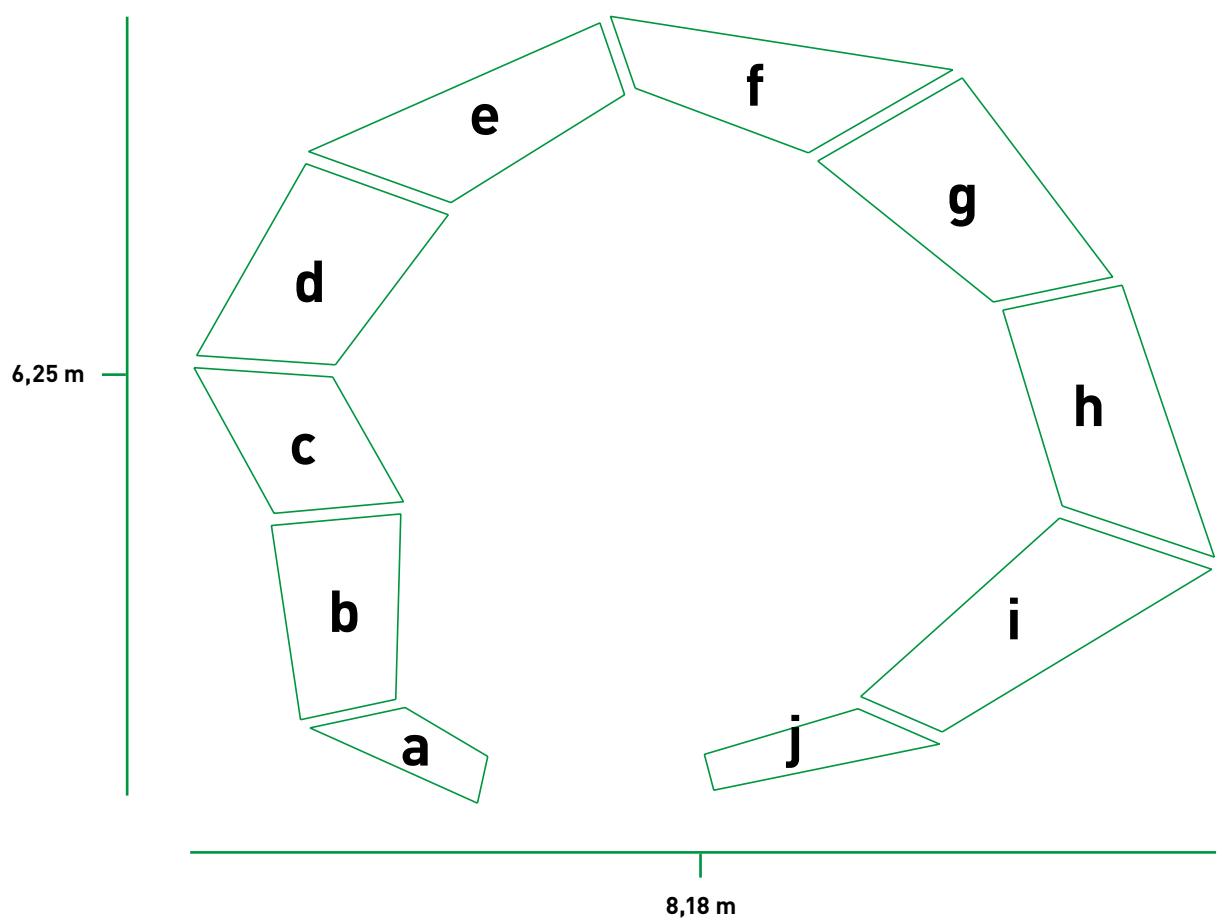
04

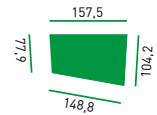
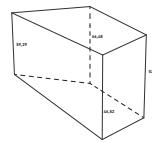


05



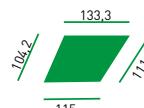
06



**a****b**

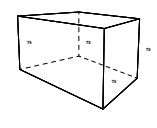
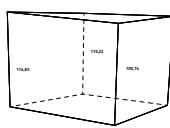
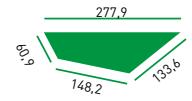
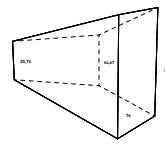
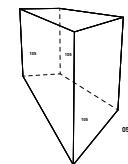
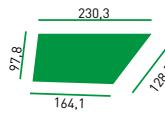
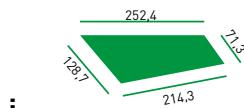
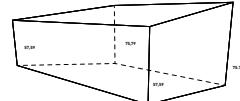
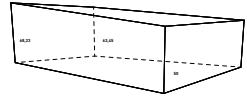
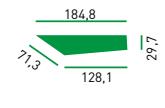
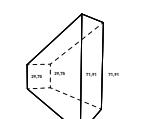
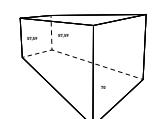
- 04** The idea of creating a bench in wood was mainly triggered from the trunk. The bench could resemble a tree divided up in pieces and placed in a snake curved shape.

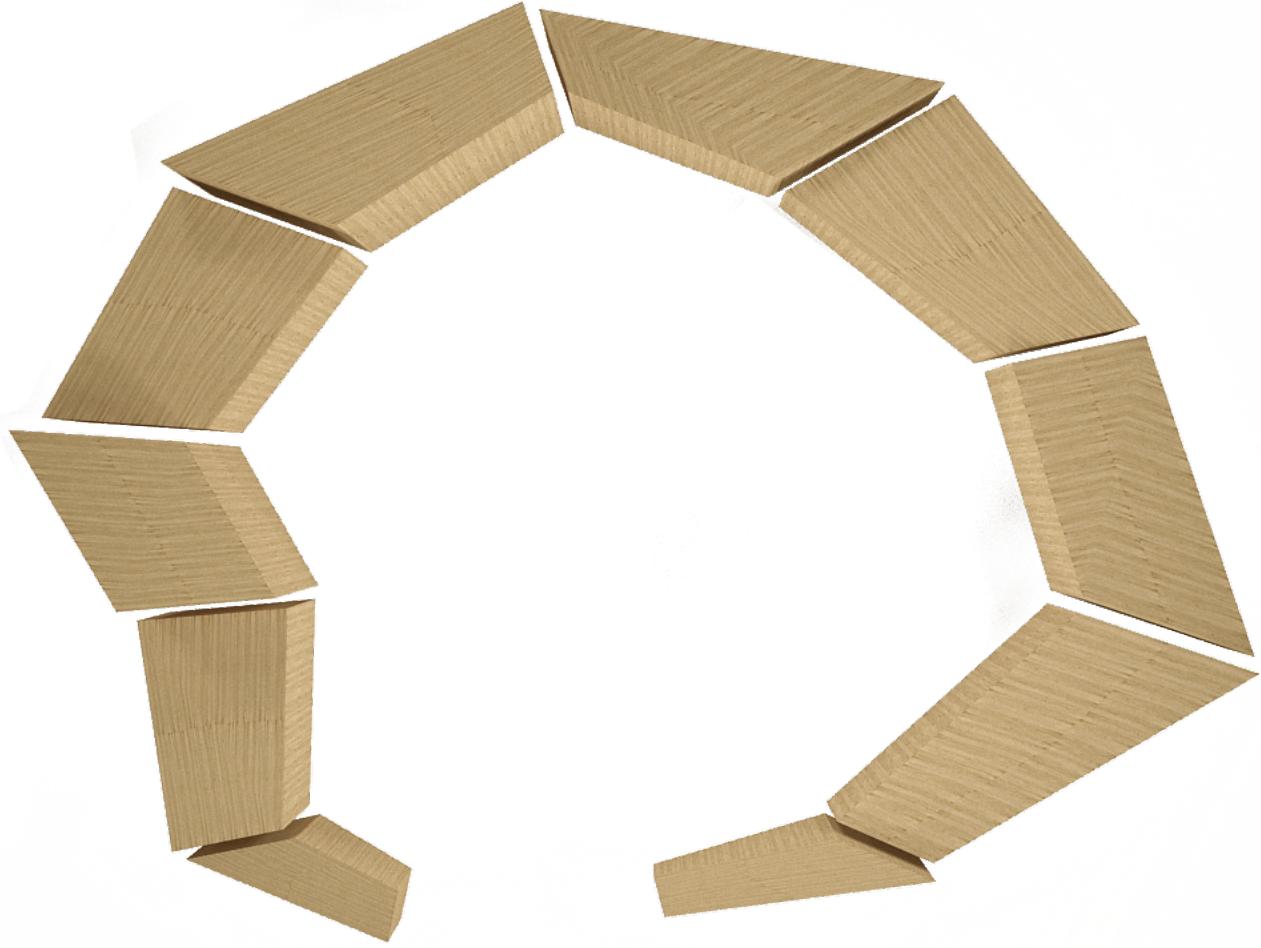
- 05** Sketch based on the tree trunk.

**c****d**

06 Plan

- 07** Each element is different. The idea behind it was that it should be visible and have a exciting shape that attracts users of the park.

**e****f****g****h****i****j**

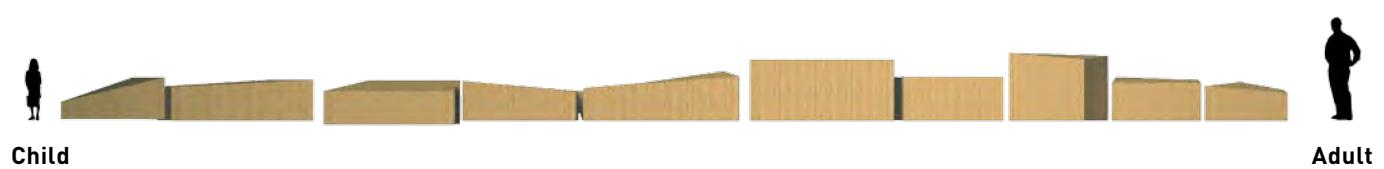
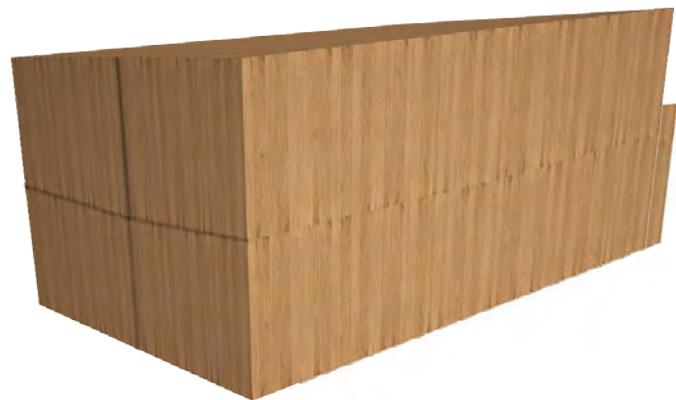


08 Bench seen from above

09 An example on how each element can be made

10 The modules are customised for both children and adults

Next spread
Model in the surroundings







2012

Semester assignment

Aarhus School of Architecture

Fisherman's hut

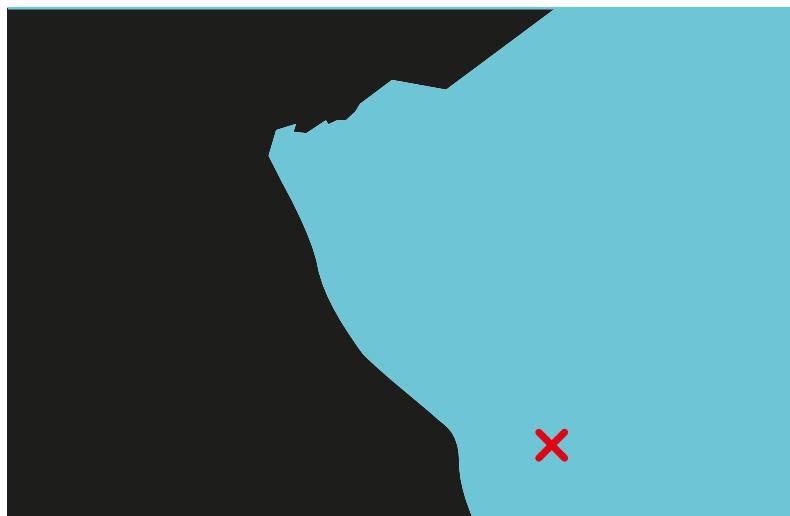
One of my main interests is fishing. For me it is something that can be very relaxing, exciting and a great way to be out in the nature.

The idea is to design a retreat at sea outside of Marselis forest, Aarhus. Here one can live, fishing, cooking, meditate and relax. The living unit can accommodate up to two residents. The location is chosen for its ability to fish rainbow trout and other types of fish such as herring, cod, mackerel and flounder. The cabin is designed to be primitive and only covers the basic needs you have.

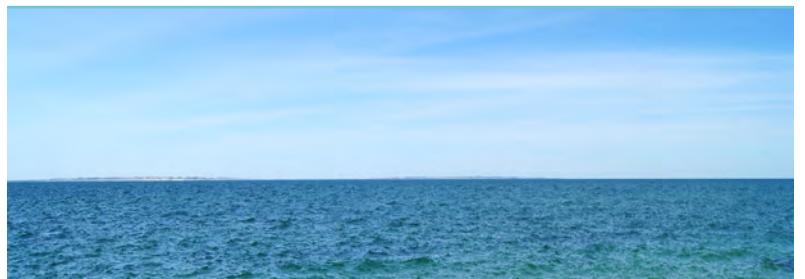
--

The shell of the cabin is designed with regard to wind loads. I have examined how the wind moves around various building shapes, and looked at the aerodynamics. I have concluded that the outer skin should be curved to pass wind loads. Design-wise, I have drawn inspiration from different boat shapes.

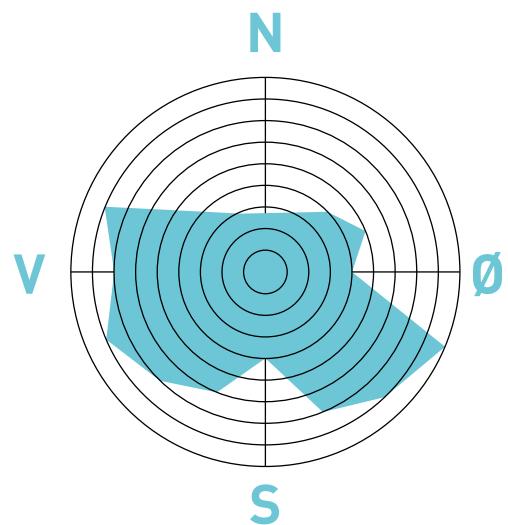
01



02



03



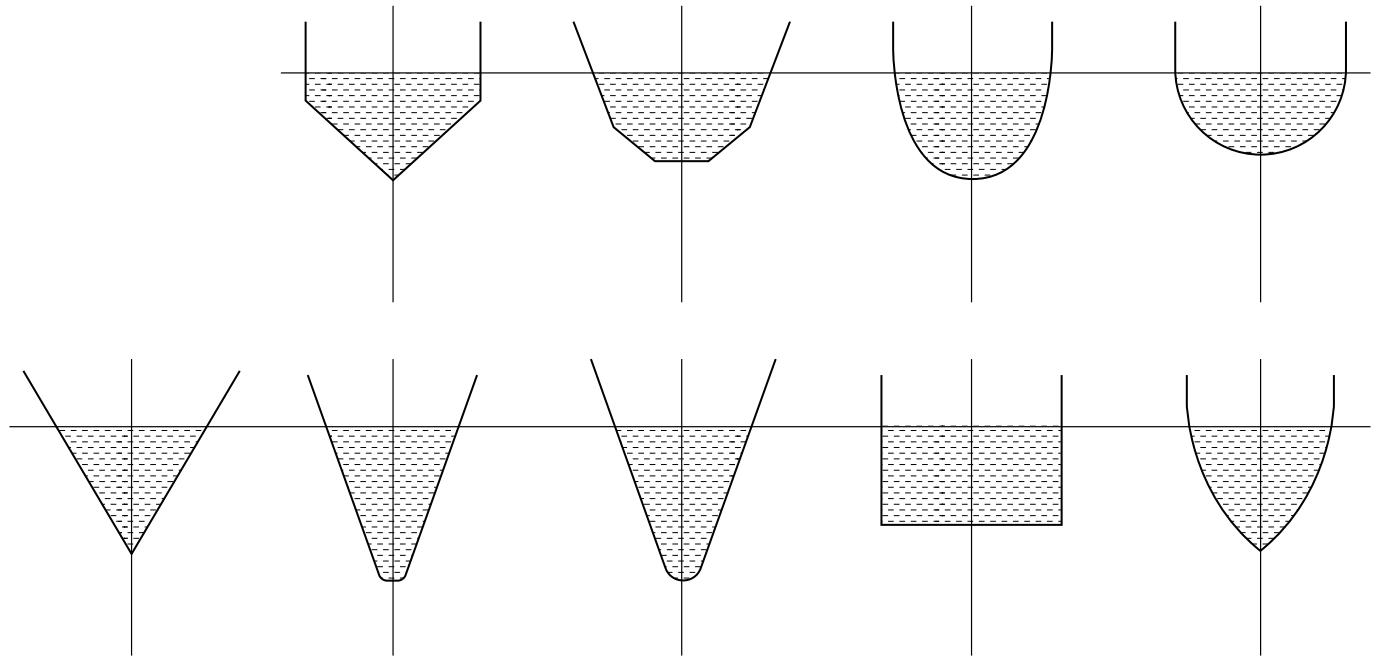
01 Aarhus, Denmark.
400 meter from land

02 View from land

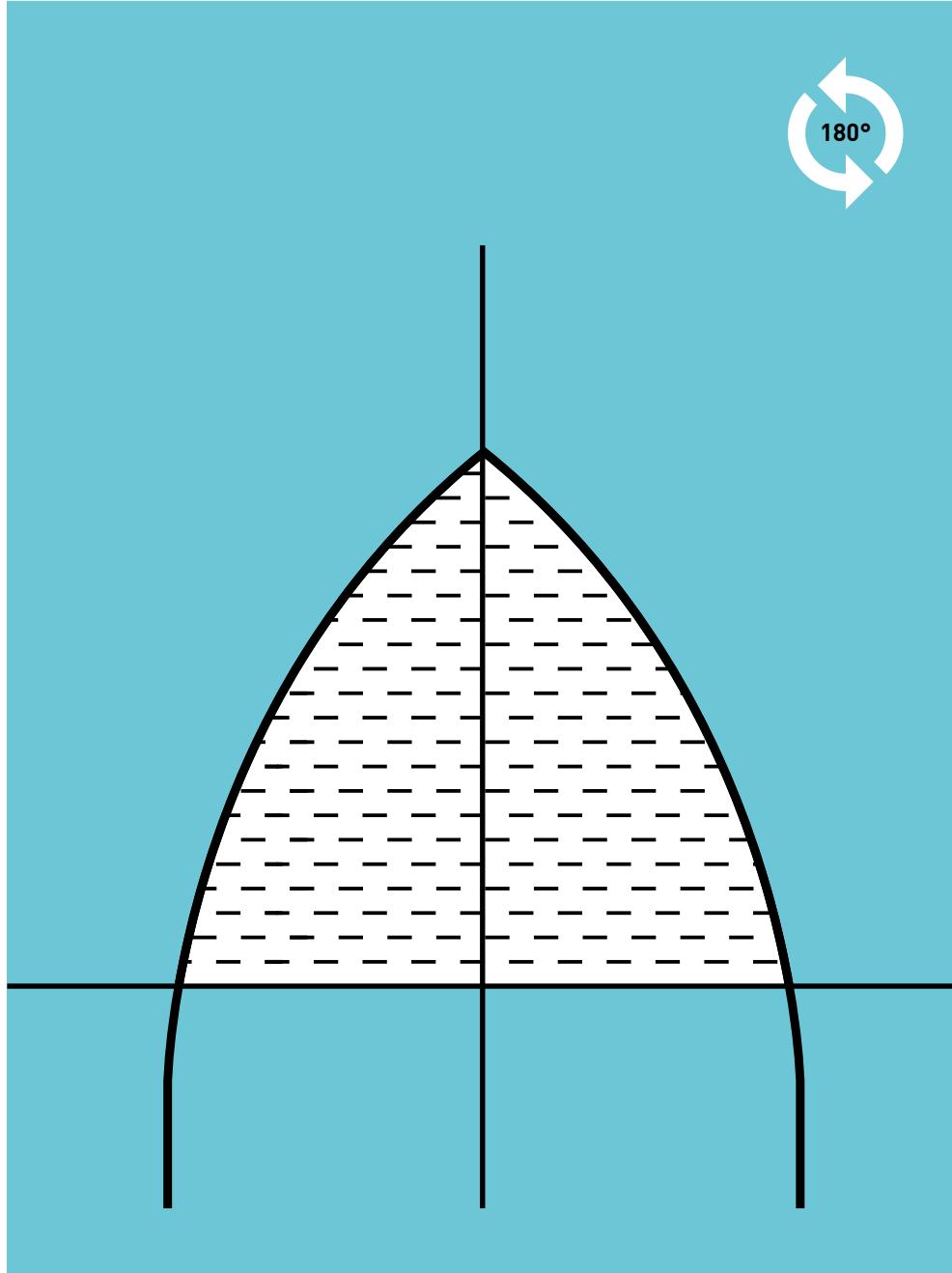
03 Wind-diagram, Aarhus 2012

04 Inspiration taken from the bow of the
boats. Upside-down can be used as a
house

04



05



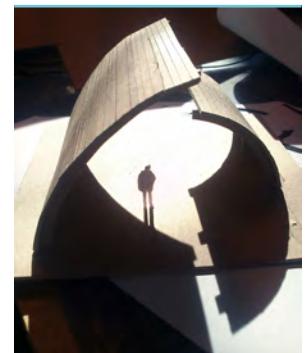
05 An example of one bow from the previous page

06 Early concept sketches

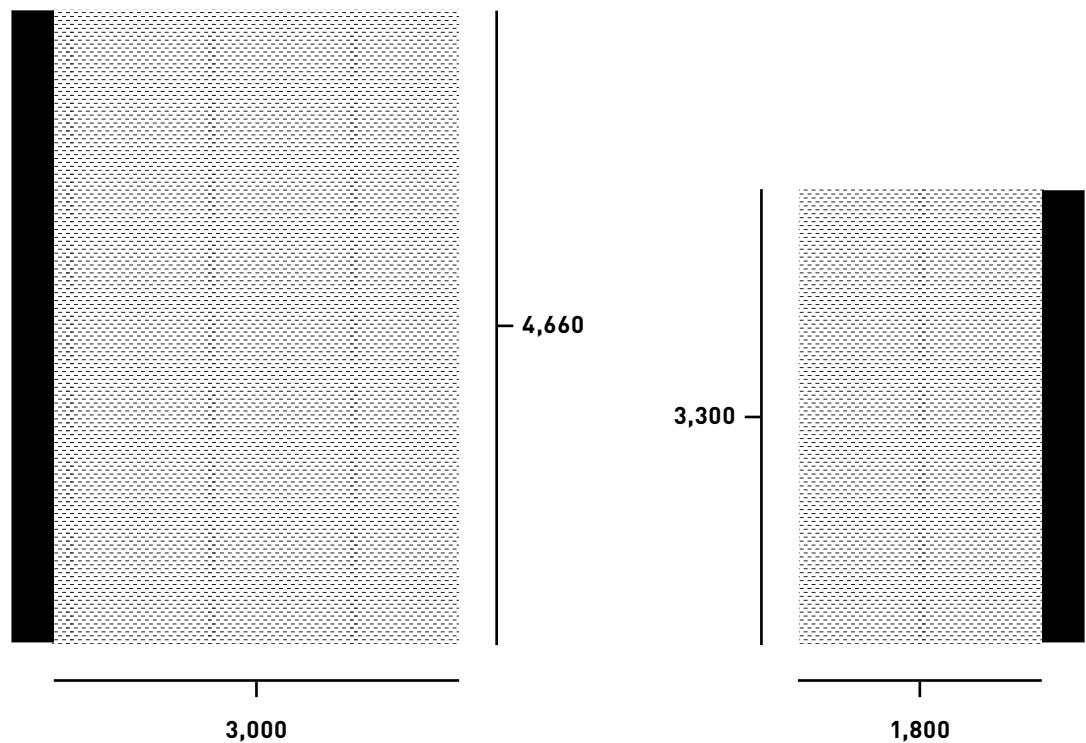
07 The largest room where most wind. Large glass panels to the north and south.

08 Wind direction

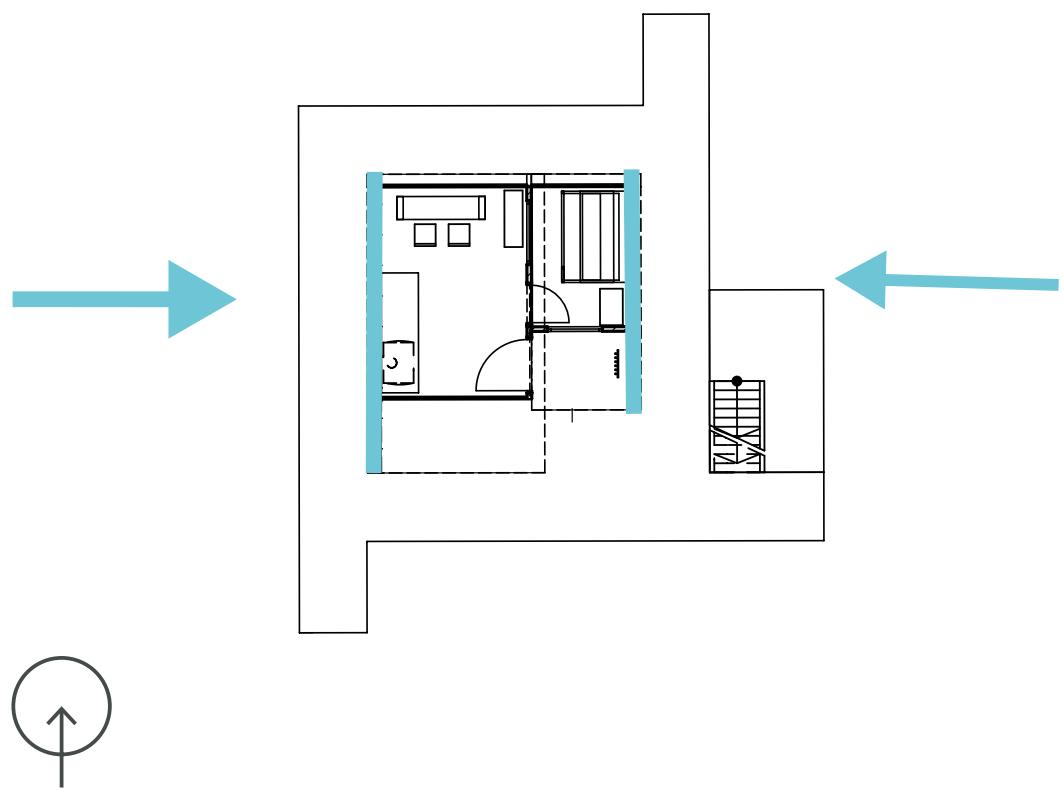
06

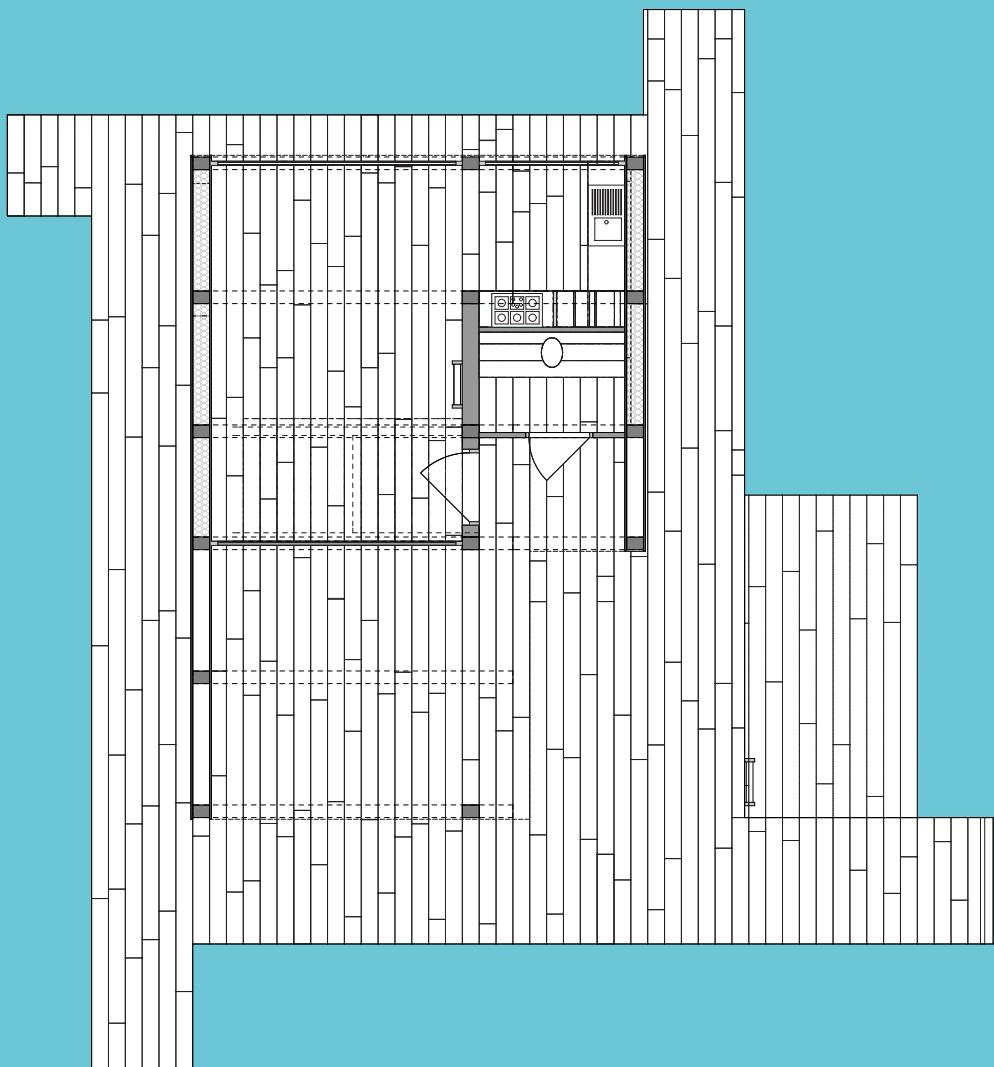


07



08





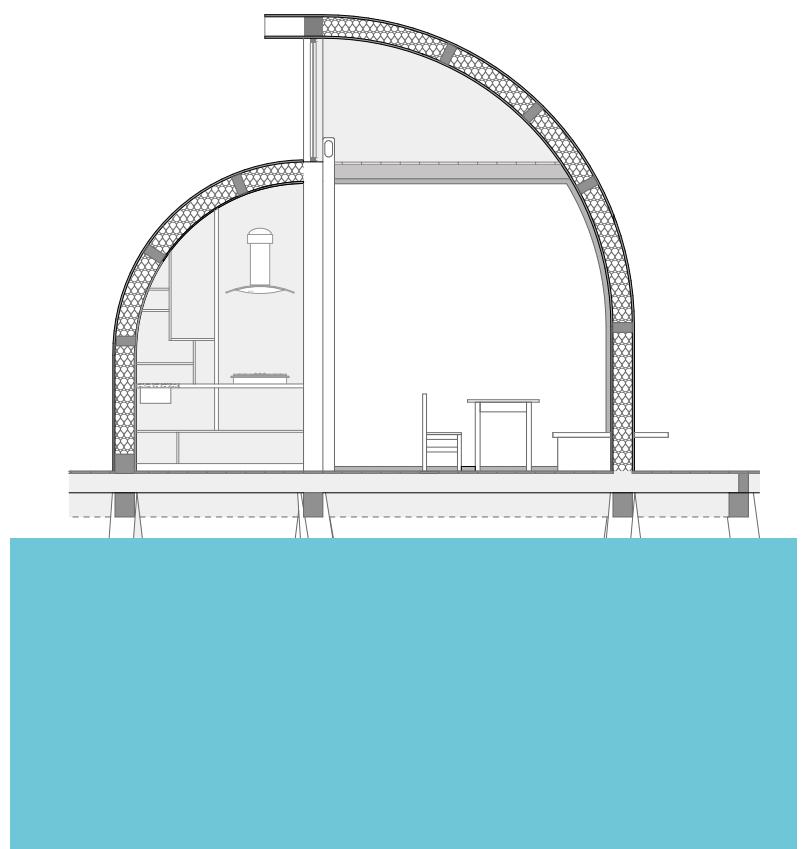
Calm

The cottage is a place where one can "escape" from the hustle and bustle. It can be used throughout the year because it is designed to withstand the various weather conditions that occur (durability). The home is on a platform attached to the columns that are forced into the seabed, so you will not get seasick, and therefore are not in constant motion. The pillars are angled to achieve greater stability and is attached to the main beams of the platform. The curved pillars to the dwelling starts where pillars ends giving a stiffer solution. Another feature is the horizontal oak planks in the outer facade. They are of various lengths, so that it creates gaps in between. This allows wind to pass and breaks it down.

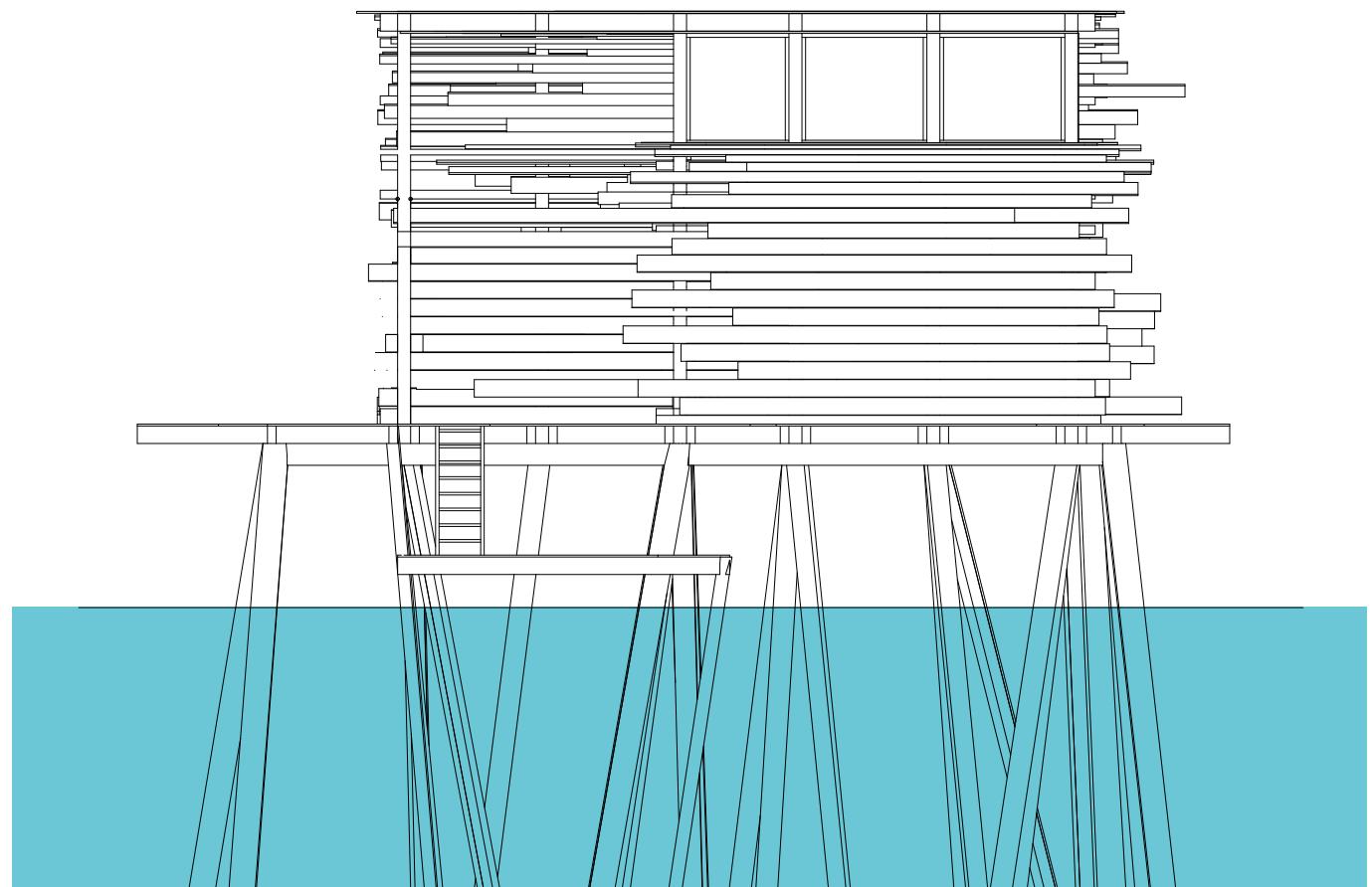
09 SIT-plan

10 Section

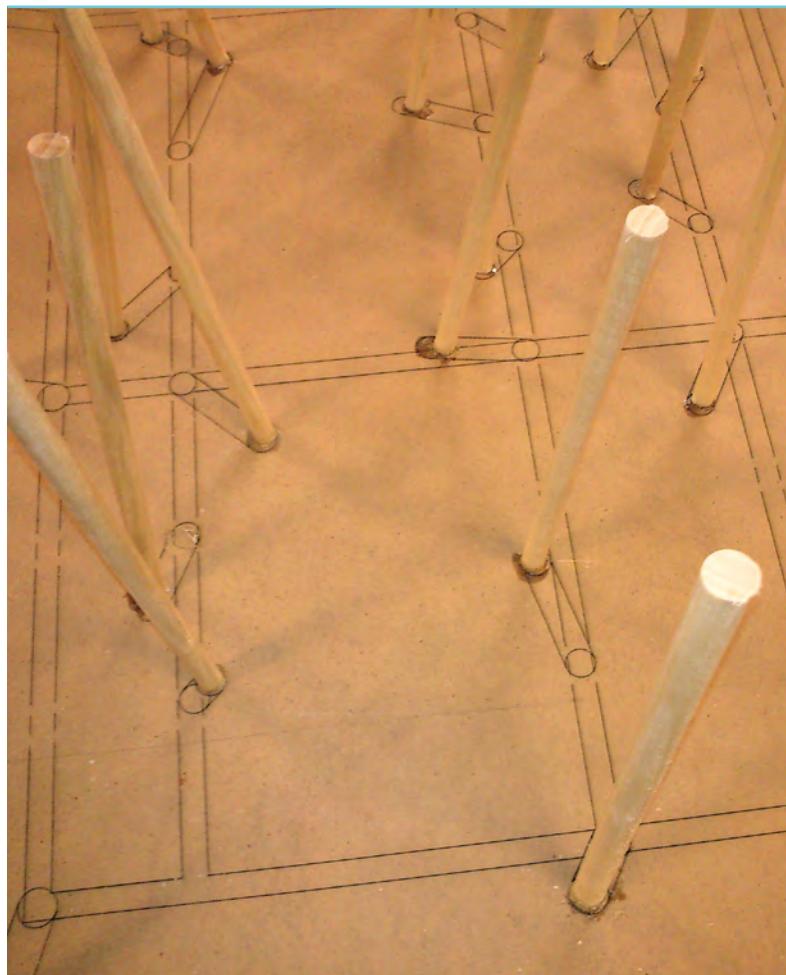
11 Facade



11



12



12 Process

13 Model process

14 Fisherman's hut

15 Fisherman's hut

Next spread
Fisherman's hut sunset

13









2014
Thesis
Aarhus School of

Infill

Oslo is a relatively small town about 454.03 km² and is in my understanding condensed with buildings, but still a shortage of housing. It becomes problematic when «areas within the city limits are primarily developed¹». Infill architecture can be a solution to the need to create new homes within the city limits.

--

My client Kim Frydenlund Grane wanted a resident in Grünerløkka, which was designed to his needs. We discovered a narrow opening at 2.1mx 11m between two buildings in Thorvald Meyersgate 17 and 19. Here, it was an unique opportunity to design a infill Kim that could accommodate his needs.

1
«Oslo mangler boligtomter»
(Oslo lacks residential plots)
Aftenposten,
11.Jan 2012, Oslo

The Client



The buildings are built in a modest neo-renaissance-style around the end of the 19th century. The space in between is a passage allowing occupants in Thorvald Meyers Gate 19 to travel to the main entrance in the backyard. The project is therefore designed on columns and raised above ground level.

The focus is on the design of the interior and position of rooms in relation to privacy and daylight. The stairs are designed so that it creates two different sizes of the rooms on each floor. This provides greater room to kitchen, living room and studio facing the street. Hallways, bathrooms and bedrooms are to the backyard and are therefore more private.

01



01 Map over Grünerløkka

02 Aerial view

03 Thorvald Meyers gate 17&19

02



— Thorvald Meyers gate
● Site

03





**04 Thorvald Meyers gate 17&19.
Towards street and towards backyard**



05 Concept sketches

06 Subdivision of Infill

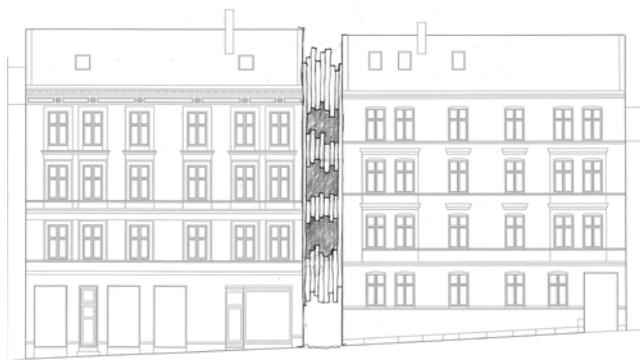
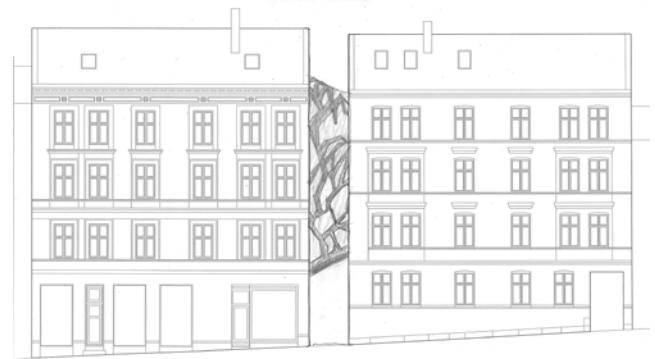
07 Floor plan

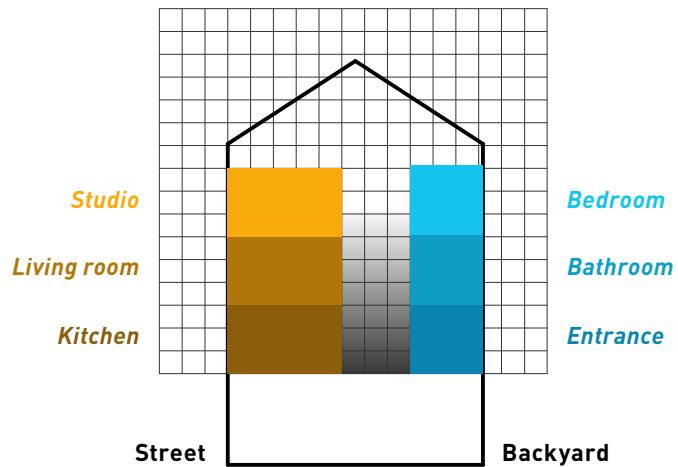
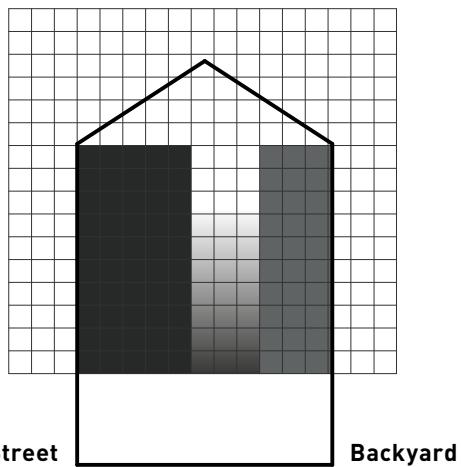
08 Concept model

**09 Concept model of
staircase**

**10 Model of existing buildings
+ Concept model**

11 Physical model of Infill in 1:20

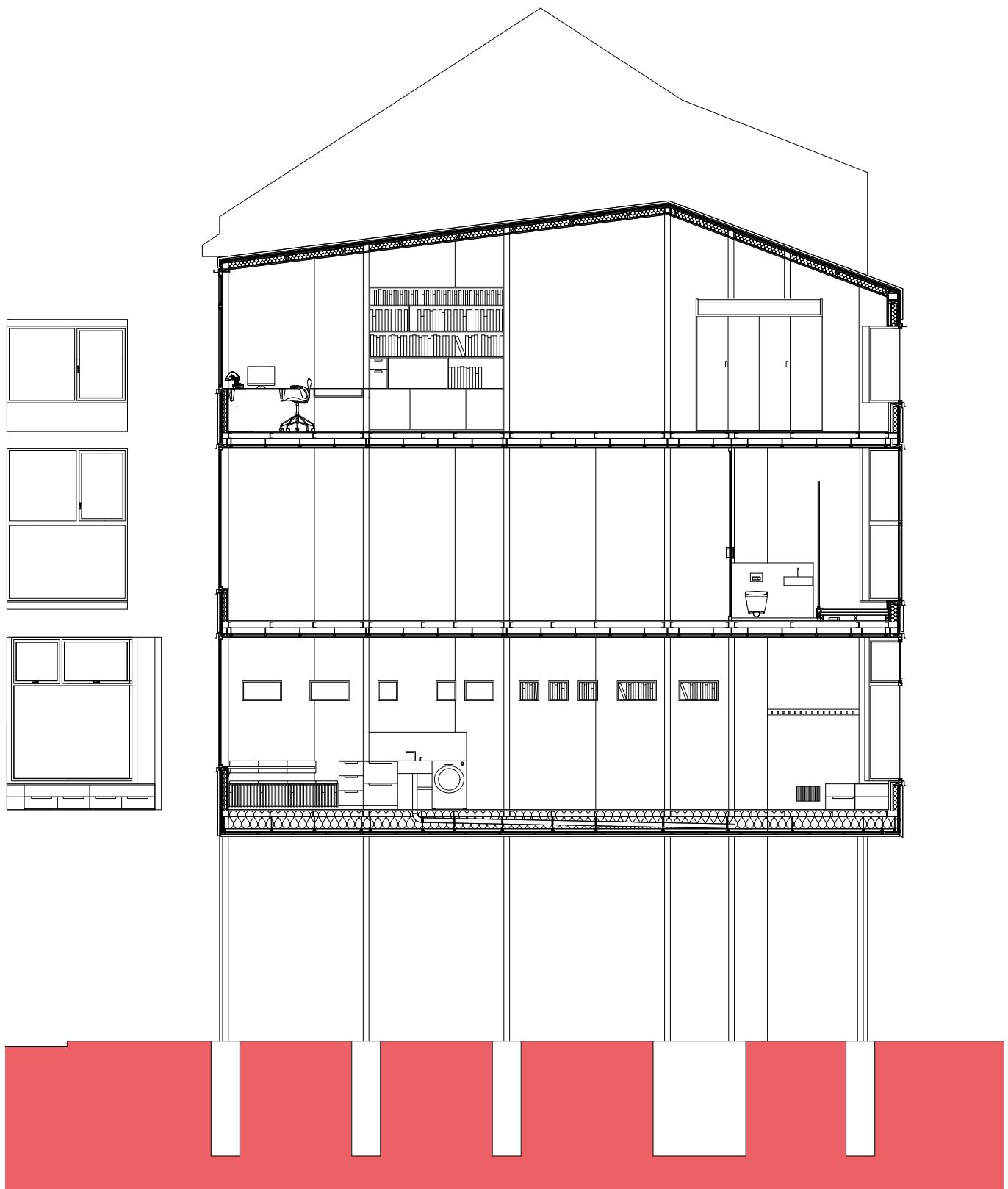




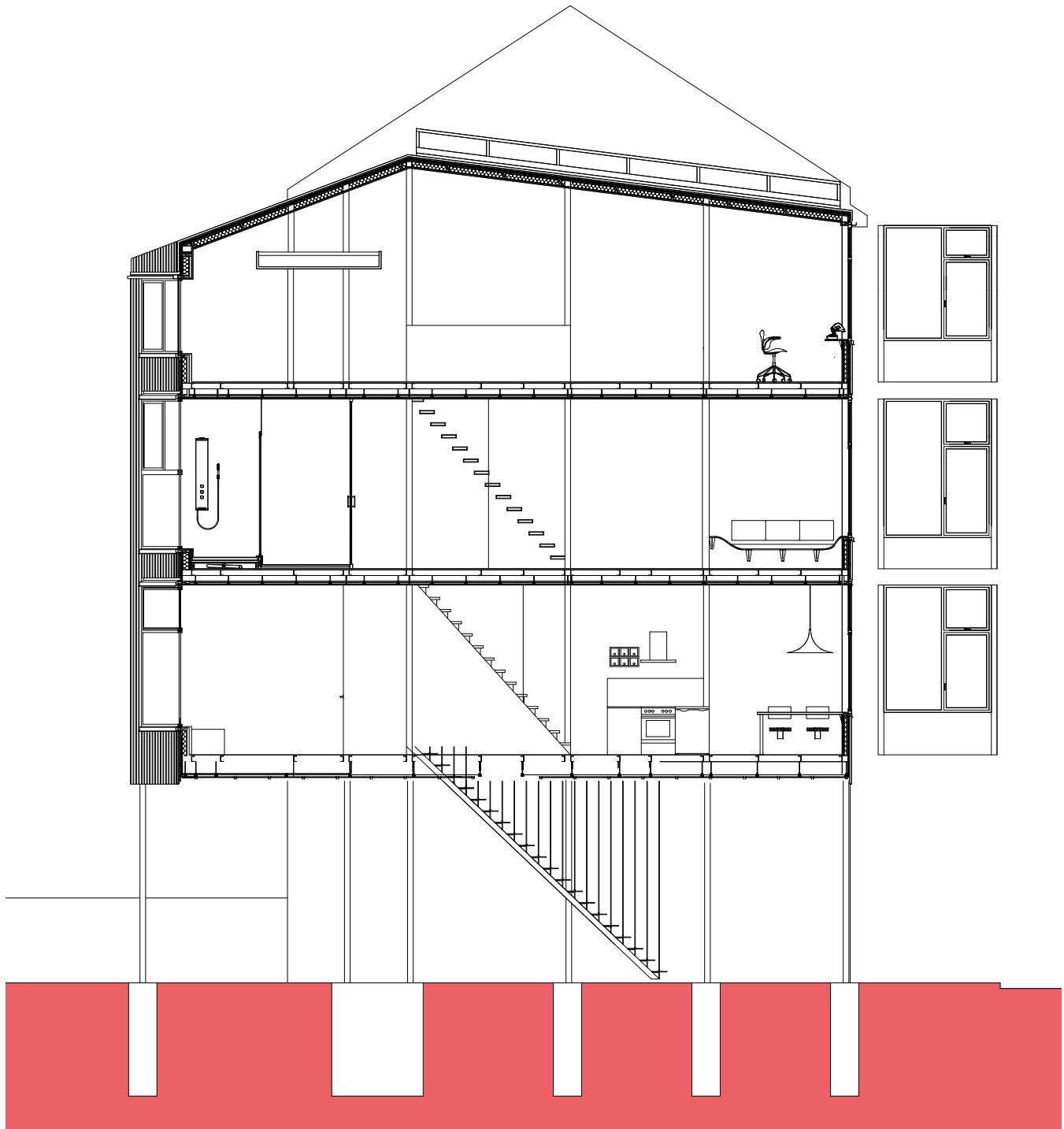
Stairway to heaven

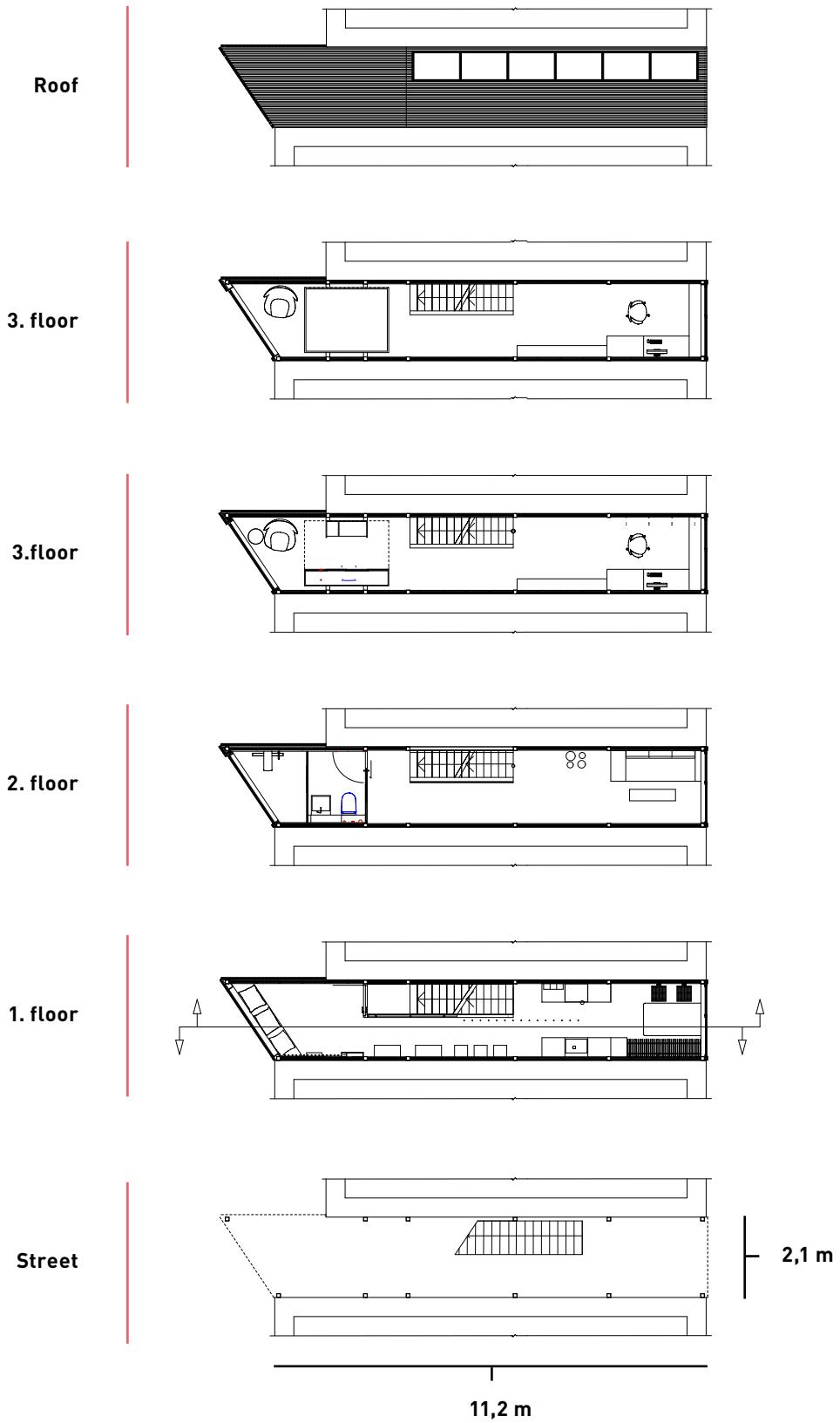
In the first concept model the idea behind was to see each floor hovering. It gave an idea to have skylights that let in daylight down to the floors below. It also gave an idea of how the stairs were designed. The first floor will be headed up by a rugged outdoor staircase in steel. Then from the kitchen there is a plywood staircase that can give a feeling of warmth and can be perceived more homely. From the living room there is a glass staircase that goes up to the studio and bedroom, which can give a feeling that you are floating on clouds. A kind of "stairway to heaven". There is thus a hierarchy on each floor.

South



North





12



13



15



14



12 Thorvald Meyers gate 17 & 19

13 Entrance with a ladder that can be hoisted up and down

14 Kitchen Furniture designed to the house

16



17



18



16 **Bathroom towards backyard**

17 **Livingroom towards street**

18 **Glass staircase and bathroom**

19 **Sofa designed for the client**

20 **Studio towards the street**

21 **Sleeping loft**

22 **Studio with rooflight**

**Next spread
Section**

19



20



21



22







