PORTFOLIO

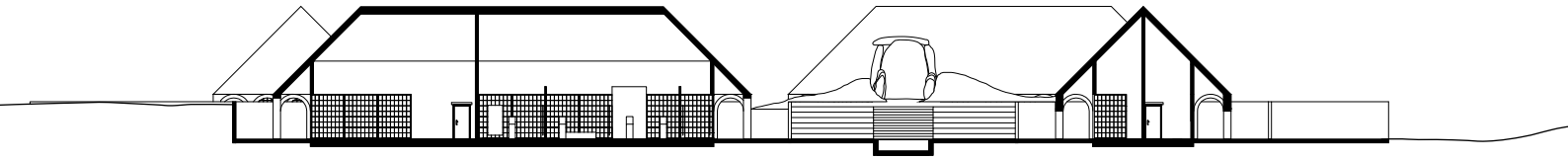
Selected works
between 2014-2020

CHRISTIAN SCHMIDT GUNDERSEN

linkedin.com/in/christiangundersen
christian@schmidtgundersen.com
www.schmidtgundersen.com
+45 60 13 85 73

My name is Christian Schmidt Gundersen, and I graduated in 2019 as cand. polyt. arch from Architecture and Design, Aalborg University in Denmark. This portfolio is intended for those, who are interested in getting an insight into my selected previous works. As a reader, you will have the opportunity to discover, what I can, how I work and my development as an architect. I hope you find this portfolio inspiring and feel free to contact me.

Mit navn er Christian Schmidt Gundersen og er i 2019 uddannet som cand. polyt. arch ved Arkitektur og Design, Aalborg Universitet. Denne portfolio er tiltænkt for dem, der er interesseret i at få et indblik i mine udvalgte tidligere projekter. Som læser, vil du få mulighed for at se, hvad jeg kan, hvordan jeg har arbejdet og min udvikling som arkitekt. Jeg håber du finder portfolien indspirrende og du er altid velkommen til at kontakte mig.



Section
From left; multispace, permanent exhibition, 'inner courtyard' and entrance with café.

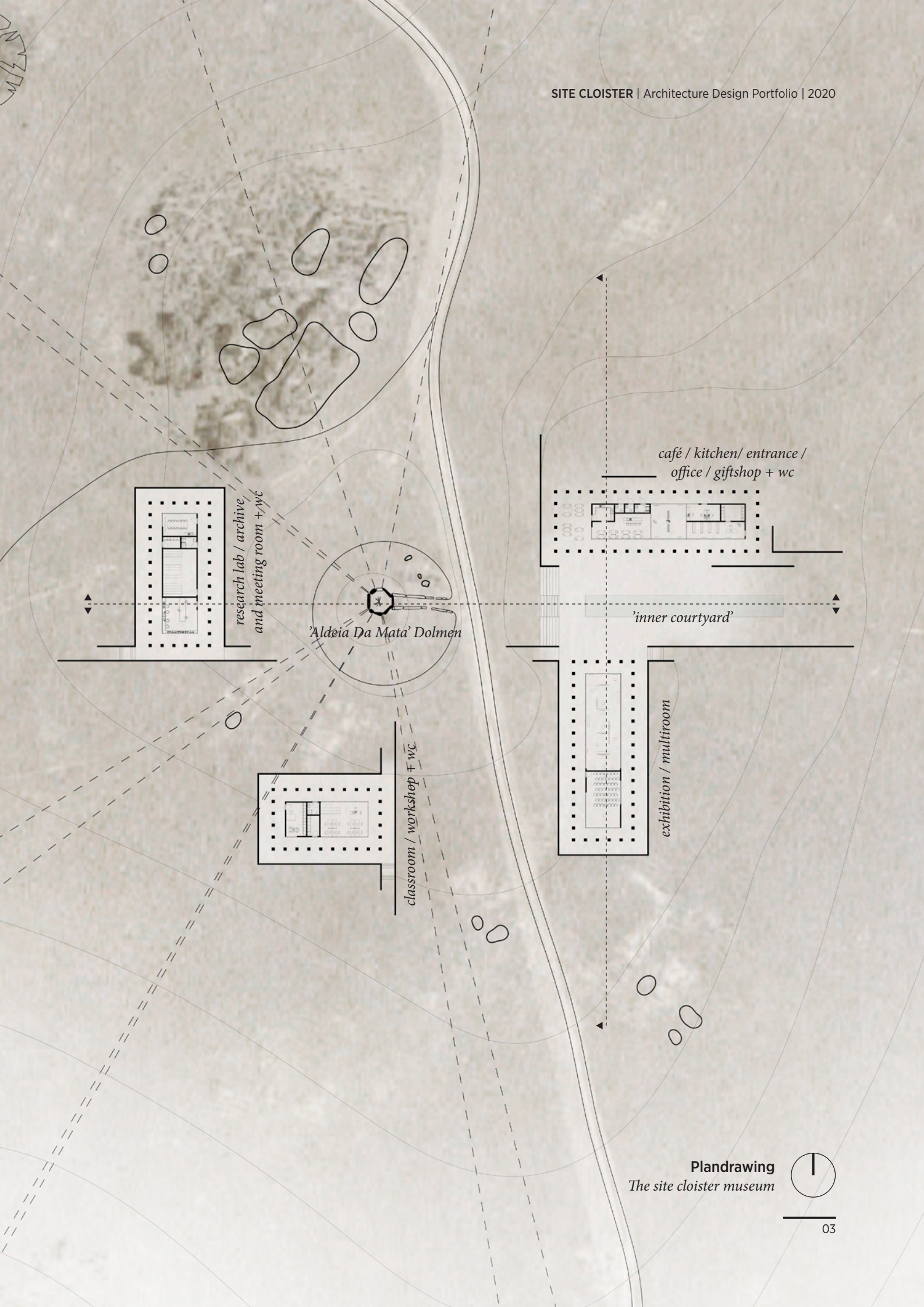
JANUARY 2020 | **COMPETITION**
ARCHITECTURAL DESIGN
ARKxSITE Site Cloister
650 sqm, Portugal.

This was my first architectural competition, were I participated alone. A museum located in Portugal, in an extraordinary landscape. The project had to focus on the significance of the 'Aldeia Da Mata' dolmen, which is located at the highest point in the area.

'Site Cloister' was the official title of the project, so the design became an interpretation of the traditional cloister, which was separated into individual 'houses' and placed around an open 'inner courtyard'. In order to keep the intended experience, in the dolmen, view lines were used to avoid blocking the line of sight.

Dette var min første arkitektkonkurrence, hvor jeg deltog alene. Projektet er et museum. som er placeret ude i det naturlige landskab i Portugal. Det grundlæggende fokus var 'Aldeia Da Mata' stendyssen, der er placeret på det højeste punkt i området.

'Site Cloister' var den officielle titel og projektet blev udtænkt som en fortolkning af det traditionelle korsgange, der blev adskilt i individuelle 'huse' og placeret omkring en åben 'indre gård'. For at bevare den påtænkte oplevelse blev der fra dolmen brugt synslinjer for at undgå at blokere synslinjen.



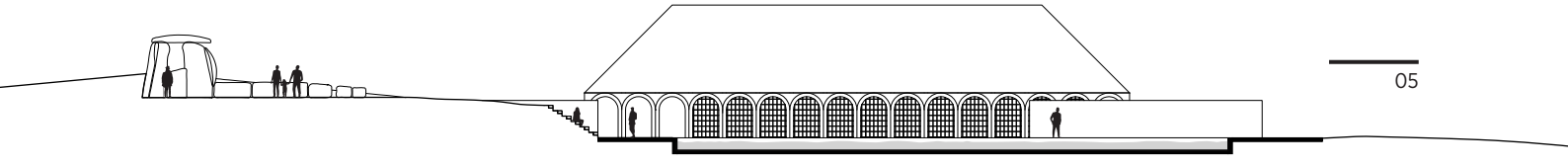
Plandrawing
The site cloister museum

Architectural rendering
The vision were to embrace the meaningful story of the 'Aldeia Da Mata' dolmen, Portugal.

Architectural rendering
The permanent exhibition consist of materials such as wood end grain flooring, marble and cedar cladding.

Architectural rendering
The significance of natural light is part of the design by illuminating and creating exceptional and sensorial patterns

Architectural rendering
A place that disappears into the landscape, with an interpretation and connection to the tumulus.

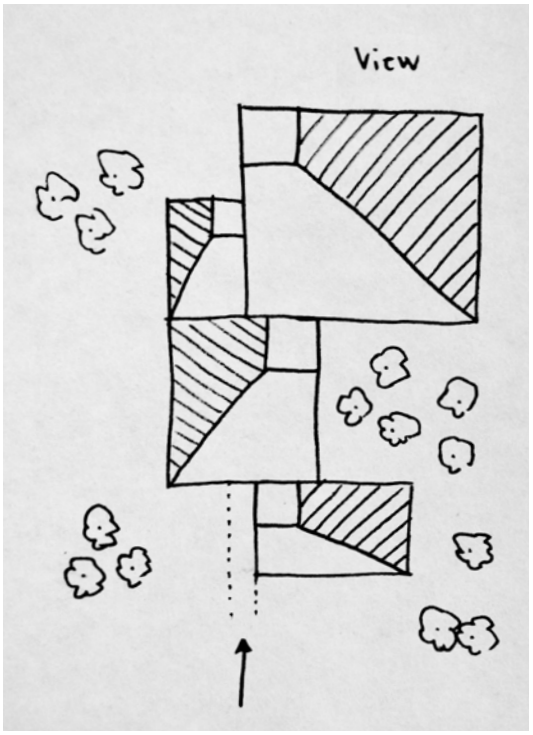


Architectural rendering
Created as an interpretation of the traditional cloister, which was separated into individual 'houses', with an open 'inner courtyard'.

Architectural rendering
Showing the sensorial patterns caused by the cloistered design and colonial windows.

Architectural rendering
A place where you might feel the extraordinary landscape and an embracement of historical significance.

Architectural rendering
The vision was to embrace the meaningful story of the 'Aldeia Da Mata' dolmen, Portugal.



SEPTEMBER 2019 | **PRIVAT PROJECT**

ARCHITECTURAL DESIGN
The gatten house
180 sqm, Gatten.

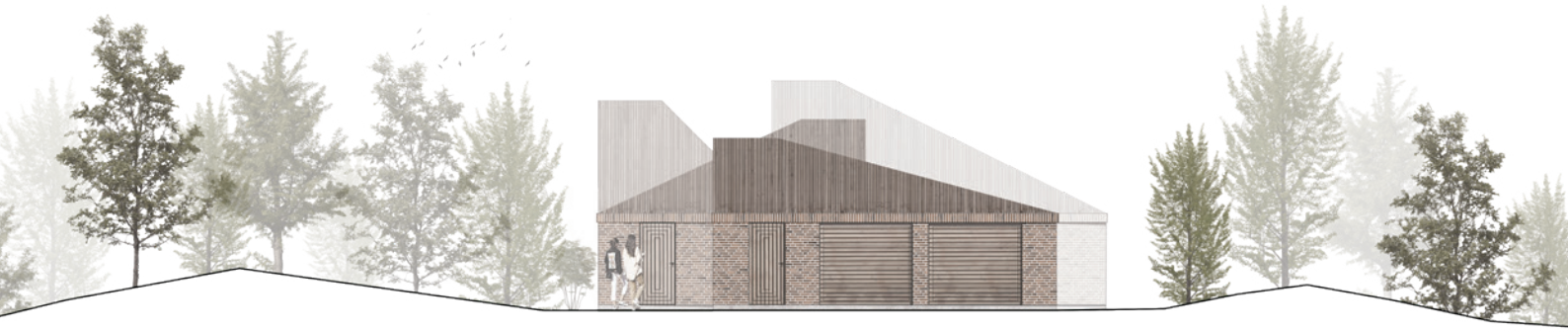
Together with a client, I was helping with this house located in Gatten, near Løgstør for a family of four. The site is orientated towards the lake, with both visual and direct access.

The vision was to create a home, with bricks as the main material and a sloping roof. The clients wanted a maintenance-free house with a private semi-closed courtyard, terras towards the lake and a garage for two cars.

I samarbejde med kunden, hjalp jeg med dette hus beliggende i Gatten, nær Løgstør for en familie på fire. Grunden er lokaliseret ud til en sø med både visuel og direkte adgang.

Visionen var at skabe et hjem med mursten som hovedmateriale og et skråt tag. Familien ønskede et vedligeholdelsesfrit hus med en privat halvlukket gårdhave, terrasse mod søen og en garage til to biler.

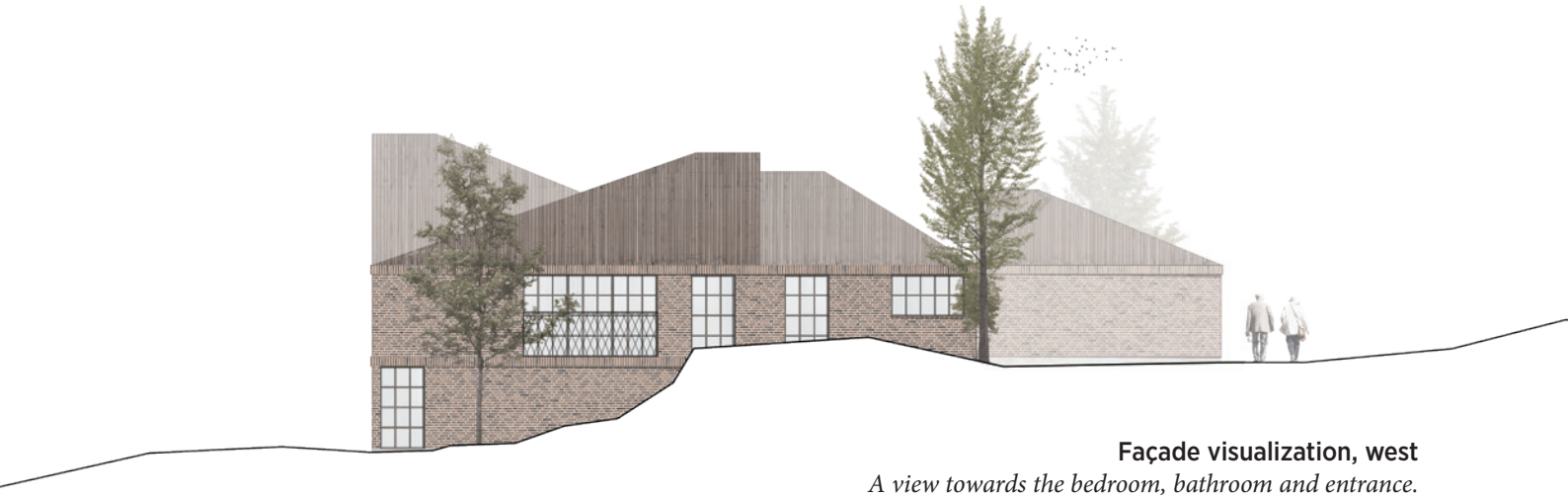

terrace
bed
room
livingroom
kitchen
walk-in
toilet
storage
courtyard
entrance
storage
garage
storage



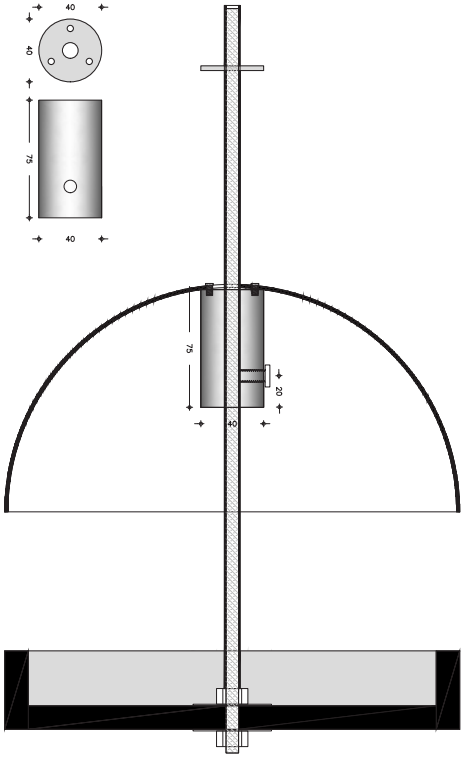
Façade visualization, north
A view towards the two garages and entrance.

Façade visualization, east
A view towards the 'inner' courtyard / garden, which provide light and a privat outdoor area.

Façade visualization, south
A view towards the living room, covered terrace and bedroom.



Façade visualization, west
A view towards the bedroom, bathroom and entrance.



AUGUST 2019 | **PRIVAT PROJECT**

INDUSTRIAL DESIGN
The bird feeders

This is a project, I have been working on for the last year in my spare time while studying. I have always been fascinated about birds, and the way they rely on collecting seeds for the winter and in summer when they are breeding.

I have designed two different bird feeders. The first one was a concrete house, which is mainly used for nuts. The other feeder is a modern interpretation of the traditional bird feeding house, with a concrete base and a hemisphere cobber roof, which over time will patinate, without losing its quality.

Dette er et projekt, jeg har arbejdet på det sidste år i min fritid, mens jeg studerede. Jeg har altid været fascineret af fugle, og hvordan de er afhængige af at samle frø til vinteren og om sommeren, når de yngler.

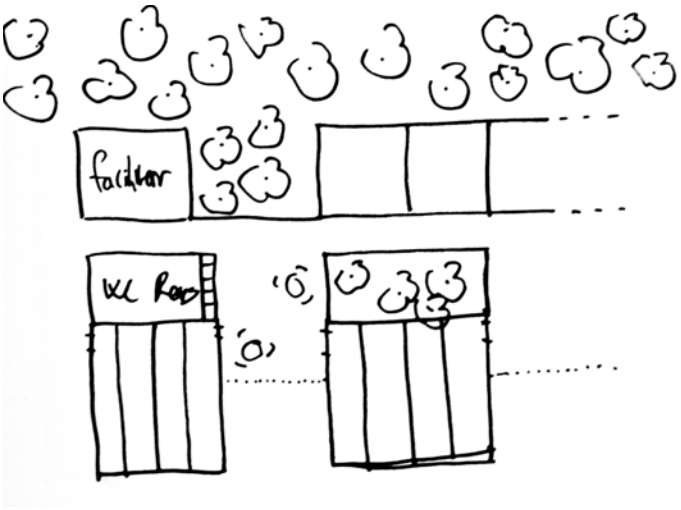
Gennem projektet har jeg tegnet og udviklet to forskellige produkter. Det første projekt er et betonhus, der hovedsageligt skal bruges til nødder, hvor det andet er en moderne nyfortolkning på det traditionelle fugle foderbræt bestående af en betonbund og et halvkugle tag i kobber, som med tiden vil patinere uden at miste sine kvaliteter.

Prototype model

Birds are gathering around the feeder and by changing the roof hight you can control which type of birds will be able to access the bird feeder.

Prototype model
These bird feeding houses have over time been improved and adjusted to the users, as well as accessories, which could improve either the effectivity or aesthetics.

Prototype model
A picture of the bird feeding stand, that are created with a cobber roof and concrete base.



JUNE 2019 | **ACADEMIC PROJECT**

ARCHITECTURAL DESIGN
Tornby Hospice
2.500 sqm, Tornby, Hjørring.

Supervisor:
Lars Brorson Fich
Dario Parigi

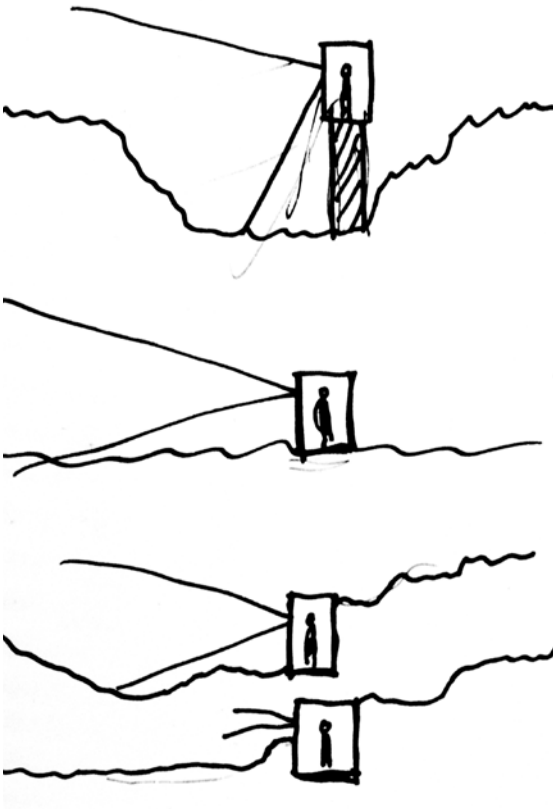
with:
Kristian Andersen
Wladyslaw Cervio Pelech Monagas

The master thesis at Aalborg University was created by a group of three, where we designed a hospice and day center located in Tornby Klitplantage near Hjørring. The project was orientated around the vision of genius loci, homeliness, and tectonics. It was interesting to research the design criteria around the hospice, and the topic itself.

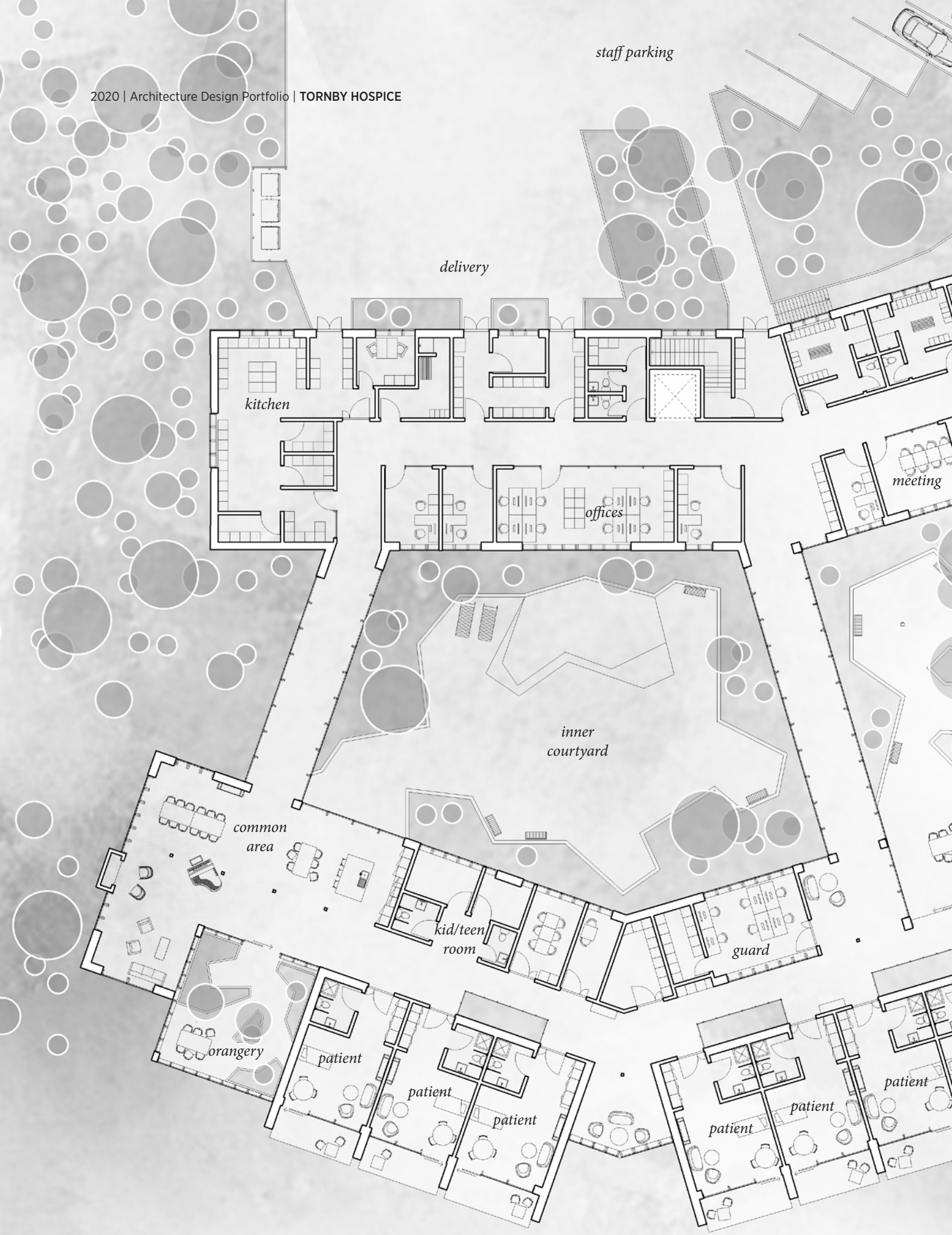
The project was designed by dividing the hospice into staff and patient area, connected by hallways with a glass curtain wall. Between the hallways, two inner courtyards have been designed to provide shelter for patients.

Specialet på Aalborg Universitet blev dannet af en gruppe bestående af tre, hvor vi designede et hospice- og dagscenter beliggende i Tornby Klitplantage nær Hjørring. Dette projekt var orienteret omkring en vision om genius loci, hjemlighed og tektonik. Gennem projektet, var det interessant at undersøge og forstå designkriterierne omkring et hospice.

Projektet blev designet ved at opdele dette hospice i et personale- og patientområde, forbundet med glasgange. Mellem disse gange blev der designet to indre gårdhaver for at skabe husly og et sikkert sted for patienterne.



The initial idea
At the beginning of the hospice project we worked with the experience of nature tried to find new ways of connecting to the landscape

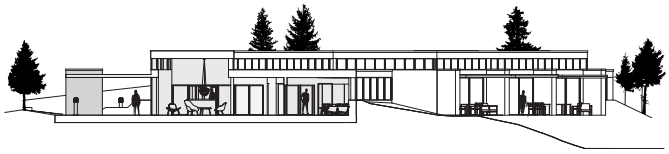

staff parking
delivery
kitchen
offices
meeting
inner
courtyard
common
area
kid/teen
room
guard
orangery
patient
patient
patient
patient
patient
patient


guest parking
conference
daycenter
inner courtyard
entrance
relfect
guest
guest
therapy
wellness
library
patient
patient
patient
patient
patient
patient

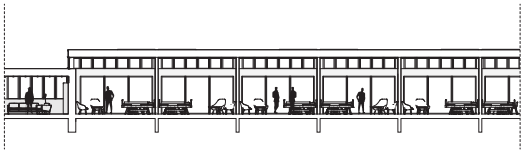
Architectural rendering
The inner courtyard is a place where patents can enjoy nature and feel the peace that surrounds them.

Architectural rendering
In this situation, we are standing in the inner courtyard and looking towards the hallway.

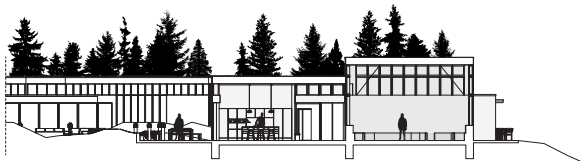
Architectural rendering
The entrance, showing how the nature is a part of the hole design.



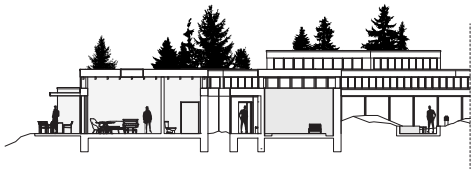
Architectural rendering
This is a rendering, showing the road toward the entrance, and to the right, we see the hospice daycenter.



Architectural rendering
The common area was located in such a way, that it had the view towards the ocean.



Architectural rendering
The inner courtyards were created to create a safe space for the patients.



NOVEMBER 2018 | **C. F. MØLLER PROJECT**

ARCHITECTURAL DESIGN
Store Restrup Fælled
Unknown sqm, Store Restrup.

Supervisor:
Søren Tortzen

with:
C. F. Møller

While working as an intern at C. F. Møller in Aalborg, I was together with another architect designing a masterplan for Store Restrup. The master plan was designed for an area where the rentals will be in close contact with common farming and horse stables. The project was subsequently presented to the customers.

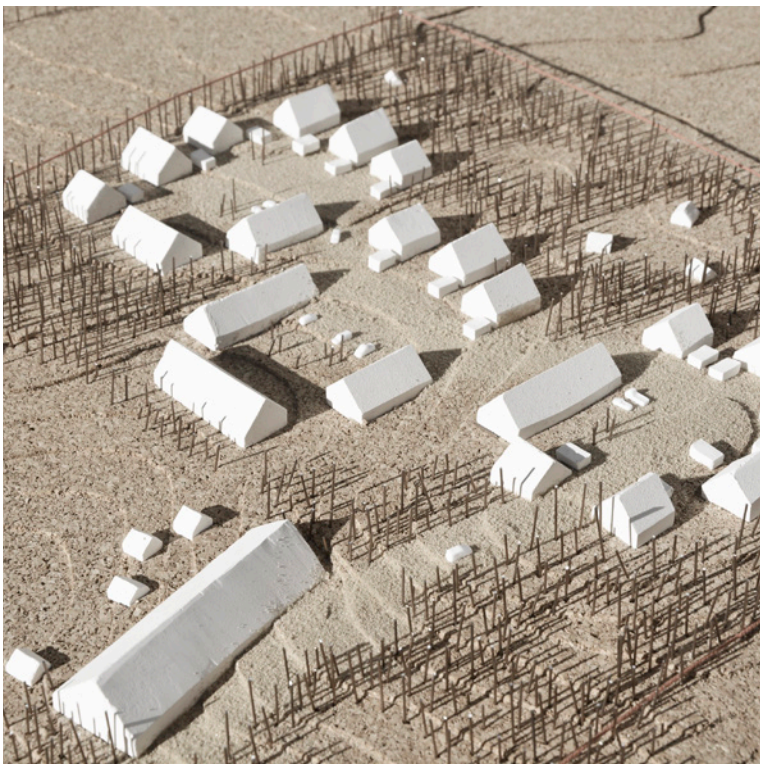
To ensure a better understanding of our design, we decided to create a model, showing the context and our proposal. The model was created in gypsum, cork and copper sticks. Unfortionly this project was not selected as a winner, which was a great shame for the area.

Gennem mit arbejde som praktikant hos C. F. Møller, samarbejdede jeg med en anden arkitekt, hvor vi designede en masterplan for Store Restrup. Masterplanen var designet for et område, hvor lejerne vil være i tæt forbindelse til fælles landbrug og hestestalde. Projektet blev efterfølgende præsenteret for kunderne.

For at sikre en bedre forståelse af vores design besluttede vi at bygge en model, der viser sammenhængen og vores forslag. Modellen blev udført i gips, kork og kobber. Desværre blev dette projekt ikke valgt som en vinder, hvilket var en stor skam for området.


STORE RESTRUP FÆLLED | Architecture Design Portfolio | 2020
Lysning
Shelters
Lysning
Urtehaver
Lysning
Bålplads
Lysning
Naturlegeplads
Lysning
Fitness
Lysning
Borde / bænke
Lysning
Svampedyrkning
Privat bolig
Gårdsplads
P
8 stk.
Andelsboliger
Almene boliger
Havefællesskab
(Himmerlands afd.)
Gårdsplads
P
6 stk.
Gårdsplads
LADEN
ca. 1.000 m²
Køkkenhaver
Restrup Kærvej
Heste
Høns
Frugttræer
SØEN
ENGEN
Geder
Køer
Legeplads
TORVET
FÆLLESHU
Grusvej
Heste-tunnel
under vejen
KLOAKLEDNING
29
STI

Architectural model
A view towards one of the small housing communities
The picture is also showing the main entrance to the houses.



Architectural model
We wanted to extend the existing forest and make it embrace the communities.

NOVEMBER 2018 | **C. F. MØLLER PROJECT**

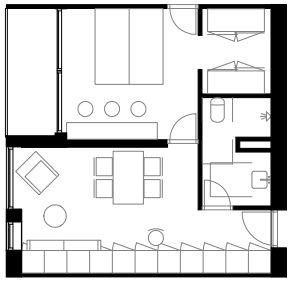
ARCHITECTURAL DESIGN
Skagen Resort
13.000 sqm, Skagen, Denmark.

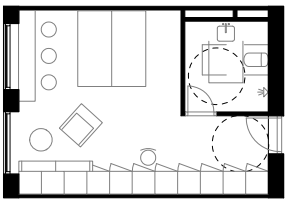
Supervisor:
Søren Tortzen

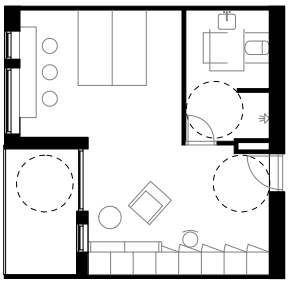
with:
C. F. Møller

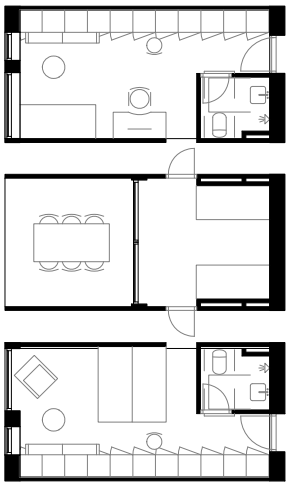
While working as an intern at C. F. Møller in Aalborg, I was assigned to work on a model for the office exhibition. A project where we had to create a resort located in Skagen, which they were currently working together with Fjordline and A. Enggaard. I was using concrete as a base for the model, wood sticks as trees and buildings in oak wood and acrylic with lighting, which lights up in the evening.

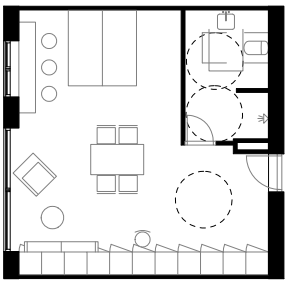
Da jeg arbejdede som praktikant hos C. F. Møller i Aalborg, fik jeg til opgave at arbejde på en model til kontorudstillingen. Projektet omhandlede at vi skulle skabe et hotel og resort beliggende i Skagen, hvor de samarbejdede med Fjordline og A. Enggaard. For at skabe modellen brugte jeg beton som base, træpinde som træer og bygninger i egetræ og akryl med belysning, som lyser op om aftenen.

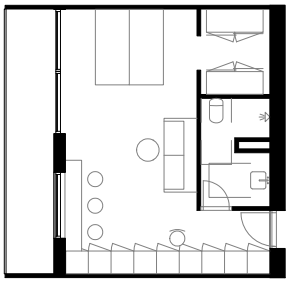






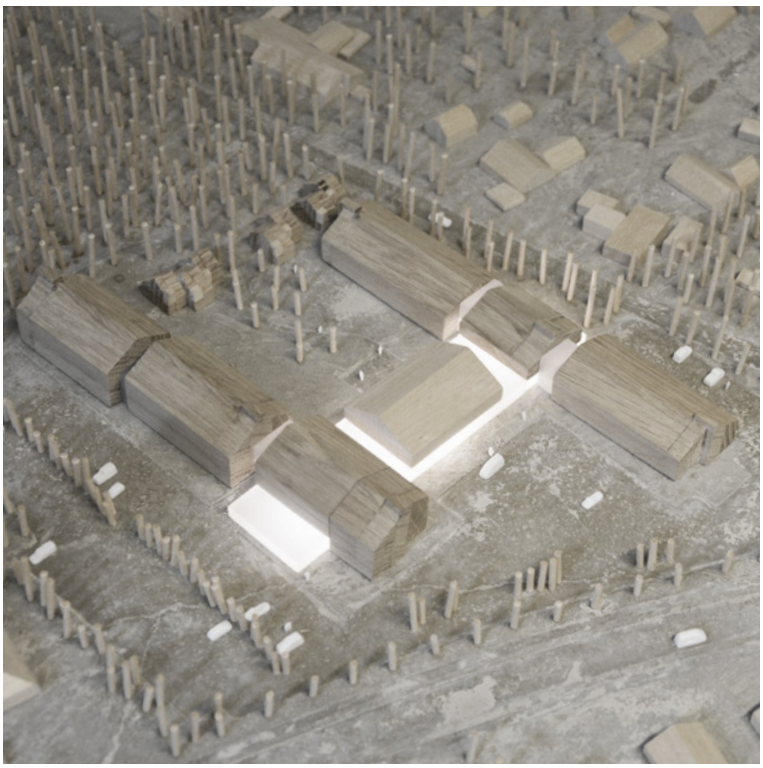




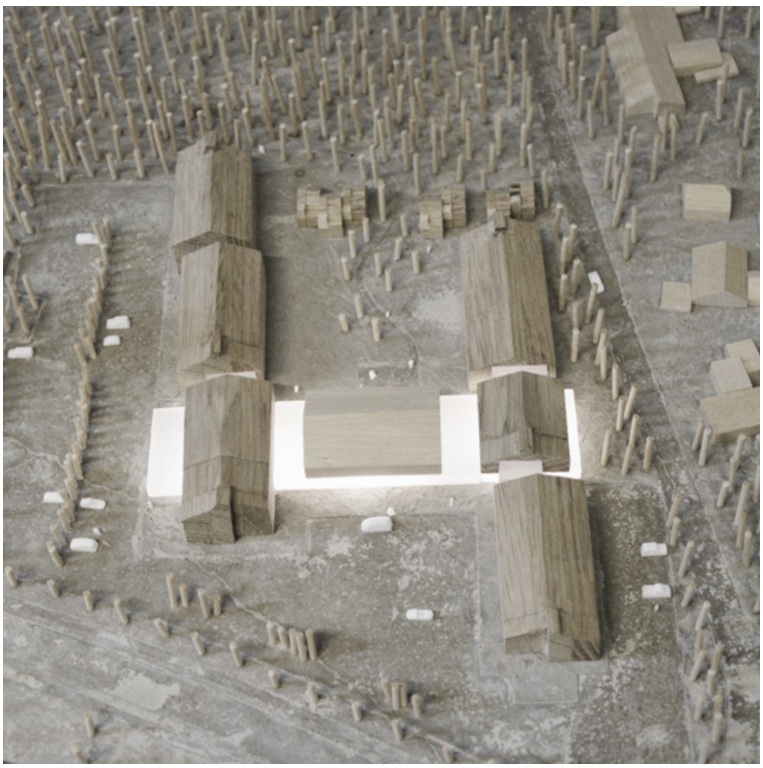


Plandrawing development

In the beginning of the project, I was assigned to design different proposals for the rooms in the resort.



Architectural model
Underneath the model LEDs are placed, to allow the acrylic to light up at night.



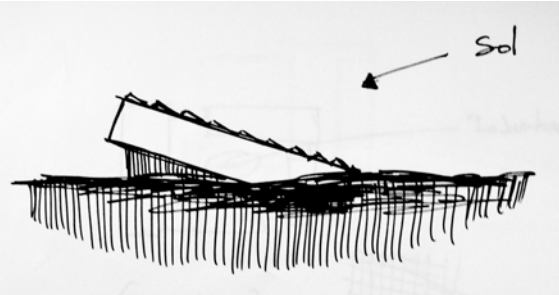
Architectural model
The model was exhibited while presenting a proposal to the client in St. Restrup.

OCTOBER 2018 | **C. F. MØLLER PROJECT**

ARCHITECTURAL DESIGN
Sæby Datacenter
2.000 sqm, Sæby.

Supervisor:
Søren Tortzen

with:
C. F. Møller

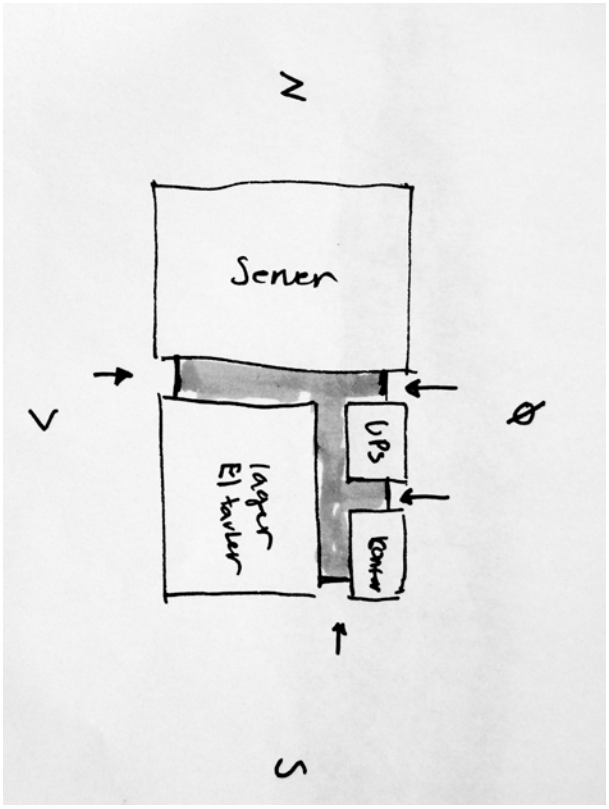


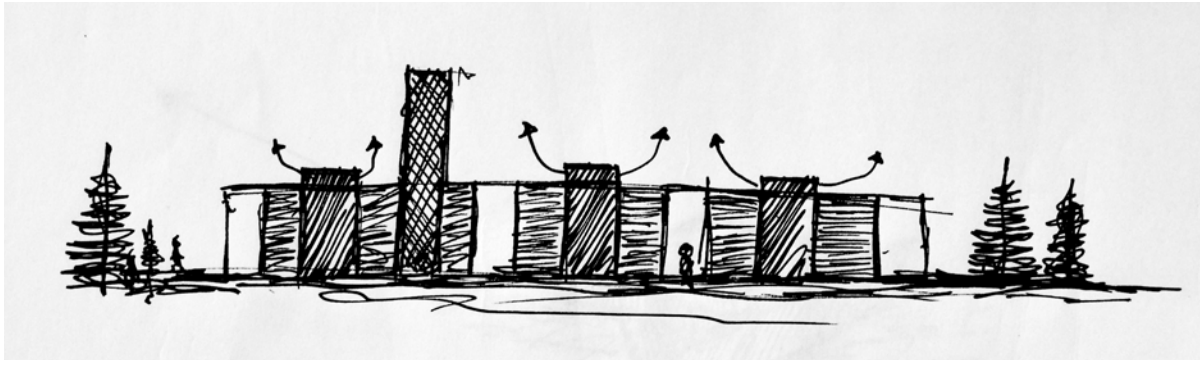
While working at C. F. Møller in Aalborg, I was assigned to a project, where I had to design a new innovative datacenter. There are many demands for creating a datacenter, both security, and technical aspects, which was challenging, but with the help of the client the project turned out as they imagined.

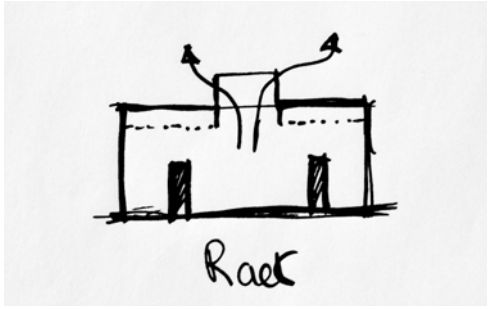
The building was designed with a facade in corten steel plates, black steel plates and polycarbonate for the gables. To create a safe place for the employees a courtyard was drawn into the project. Unfortunately, the project is confidential, so I can not show everything.

Gennem mit arbejde hos C. F. Møller i Aalborg, fik jeg tildelt et projekt, hvor der skulle designes et nyt innovativt datacenter. Projektet havde mange designkrav, både sikkerhed og tekniske aspekter, som gjorde det udfordrende, men med hjælp fra kunden skabte vi et projekt, som de forestillede sig.

Bygningen blev designet med en facade i corten plader, sorte stålplader og polycarbonat til gavlene. For at skabe et sikkert sted for de ansatte og kunder blev en gårdhave inddraget i projektet. Desværre er projektet fortroligt, så jeg kan ikke vise alt materiale.

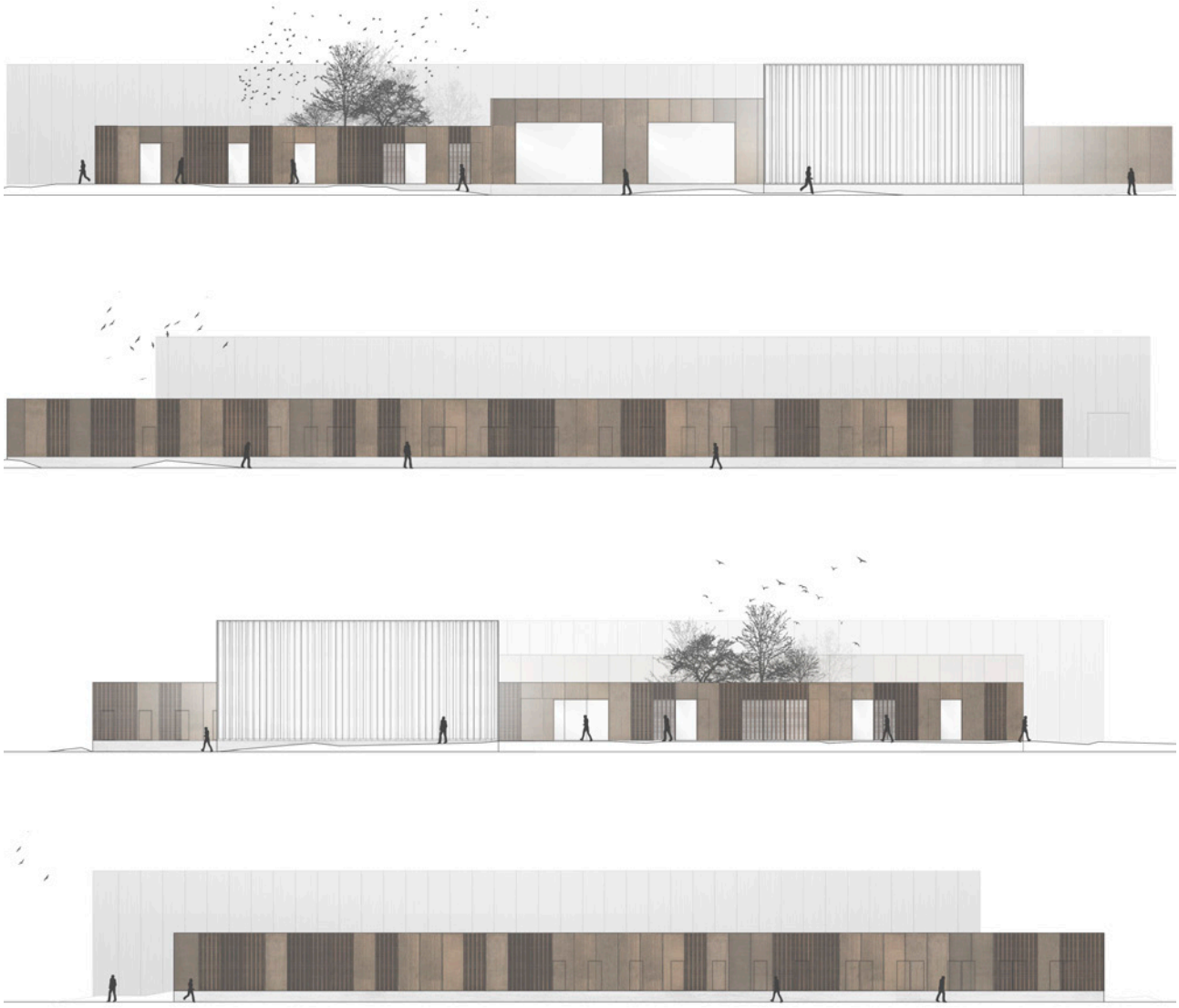






Sketching

When designing the data center, many different proposals were discussed, this is one of them.



Façade visualization, north, south, east and west.
The concept was to create a square base in corten and a server block in gray/black metal plates going through the base.

Masterplan

The datacenter was designed as a two-phases construction. In this case, showing the first stage of the building.

Façade visualization detail, entrance.
The path towards the entrance is made with the same material, as the base of the datacenter.

Façade visualization, entrance.
The entrance is placed in the center, with the office to the right and the server building to the left with semi-transparent polycarbonate.

JUNE 2018 | **ACADEMIC PROJECT**

ARCHITECTURAL DESIGN
Hatlehol Church
2.500 sqm, Ålesund, Norway.

Supervisor:
Mads Brath Jensen
Dario Parigi

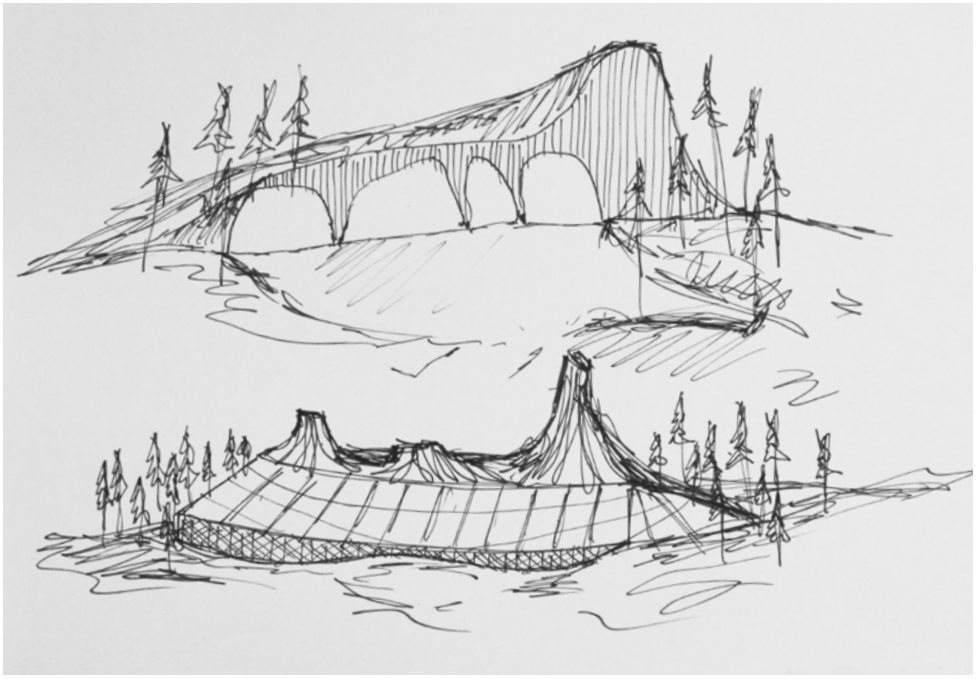
with:
Adam Szczepanik-Dzikowski
Luca Russo
Riccardo Vide

This project is oriented on creating a complex for the Hatlehol Church in Norway. Where we studied tectonics and acoustics in combination with sacrality and mysticism. The church was inspired by the Viking longhouse and the stave churches, which was known for the wooden structures and dark exteriors to protect the building from the harsh weather.

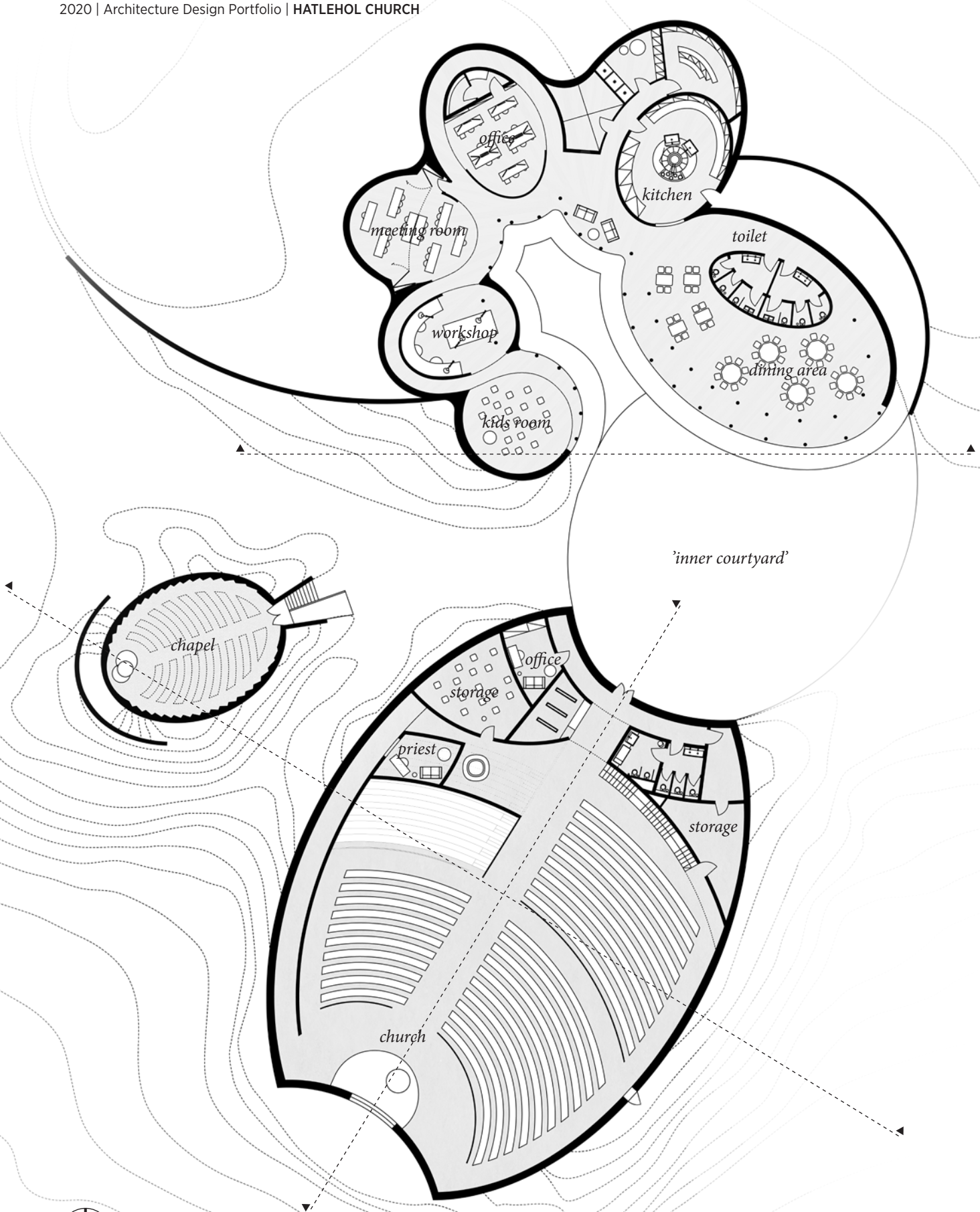
It was a very different project since we decided to work mainly in curved shapes, which was difficult and challenging, but ended up being an interesting project.

I dette projekt skulle gruppen designe den nye Hatlehol kirke, som er placeret i Norge. Gennem kirke projektet studerede vi tektonik og akustik i en kombination med sakralitet og mystik. Kirken blev inspireret af viking-langhuset samt stavkirkerne, der var kendt for deres trækonstruktioner og mørke facader, som beskyttede bygningerne mod hårdt vejr.

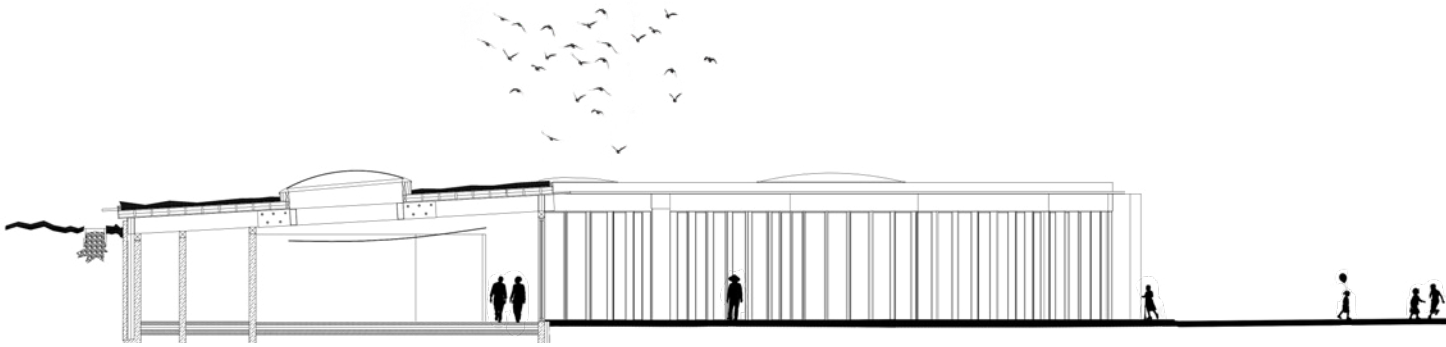
Det var et anderledes projekt, da vi besluttede os for at arbejde hovedsageligt med de kurvede former, hvilket var vanskeligt og udfordrende, men endte med at blive et interessant projekt.



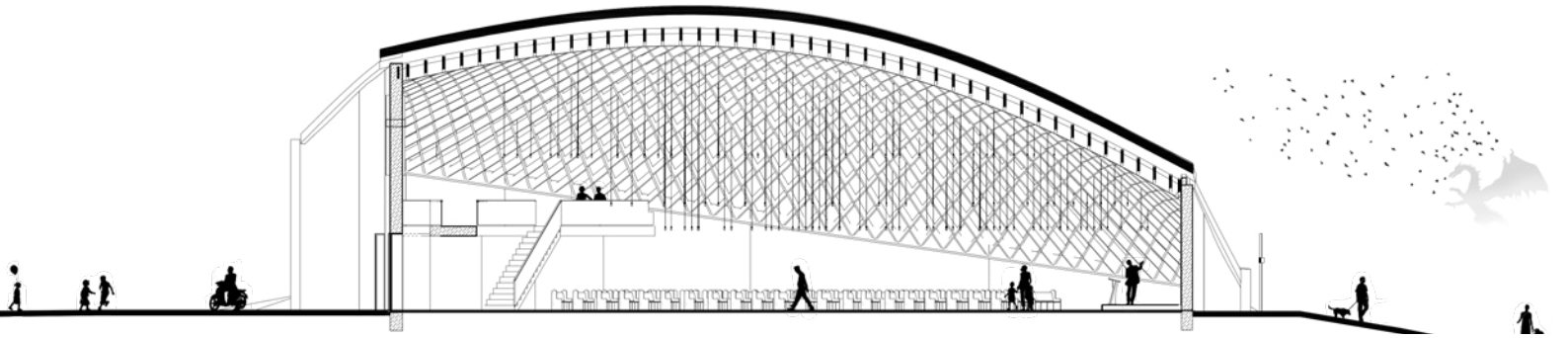
Sketching
My sketches are showing some of the ideas and concepts that were on the table throughout the design process.



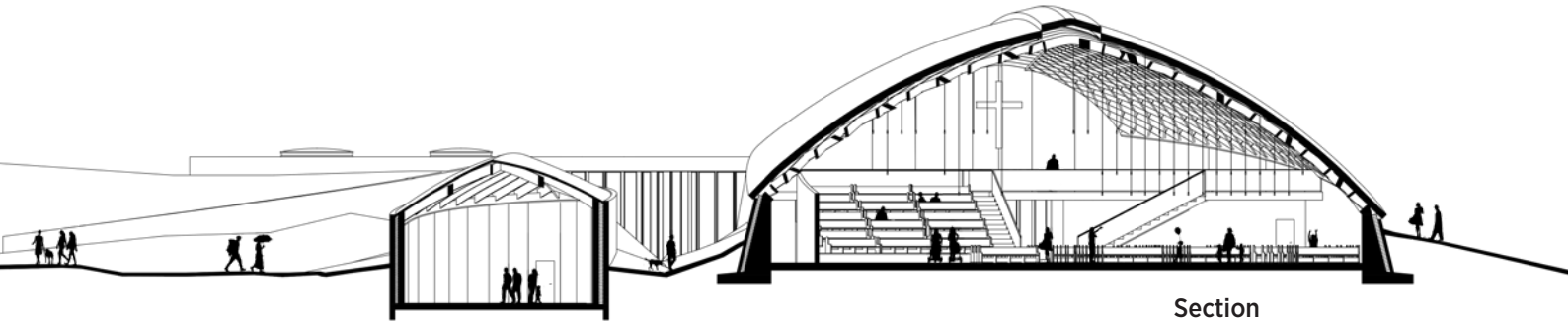
Plandrawing
Above showing the ground floor of both church, chapel and the community area.



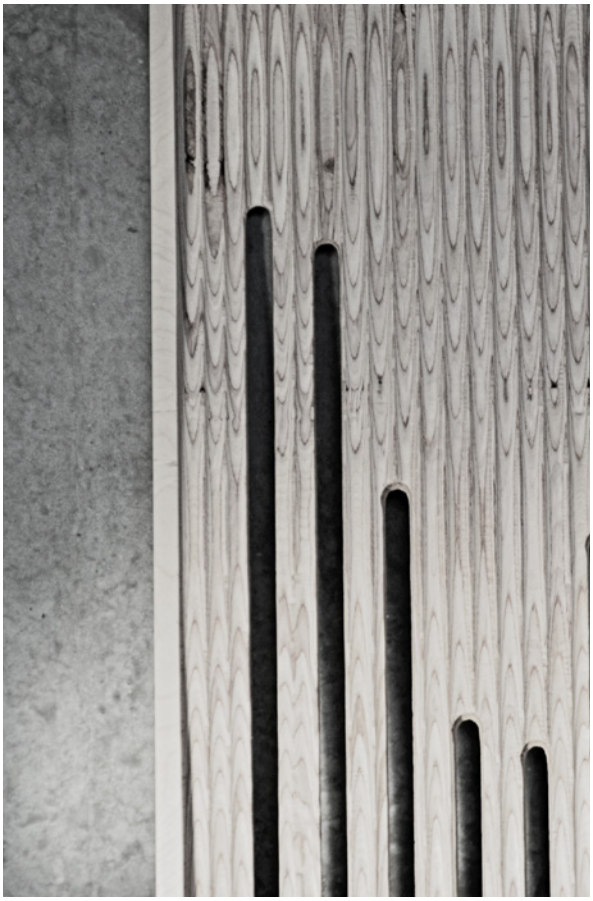
Section
This is a section showing a section through the community area



Section
A section through the church



Section
The is a section on the other direction, showing both chuch and chapel.



FEBRUARY 2018 | **ACADEMIC PROJECT**

INDUSTRIAL DESIGN
The acoustic panel

Supervisor:
Isak Worre Foged
Mads Brath Jensen

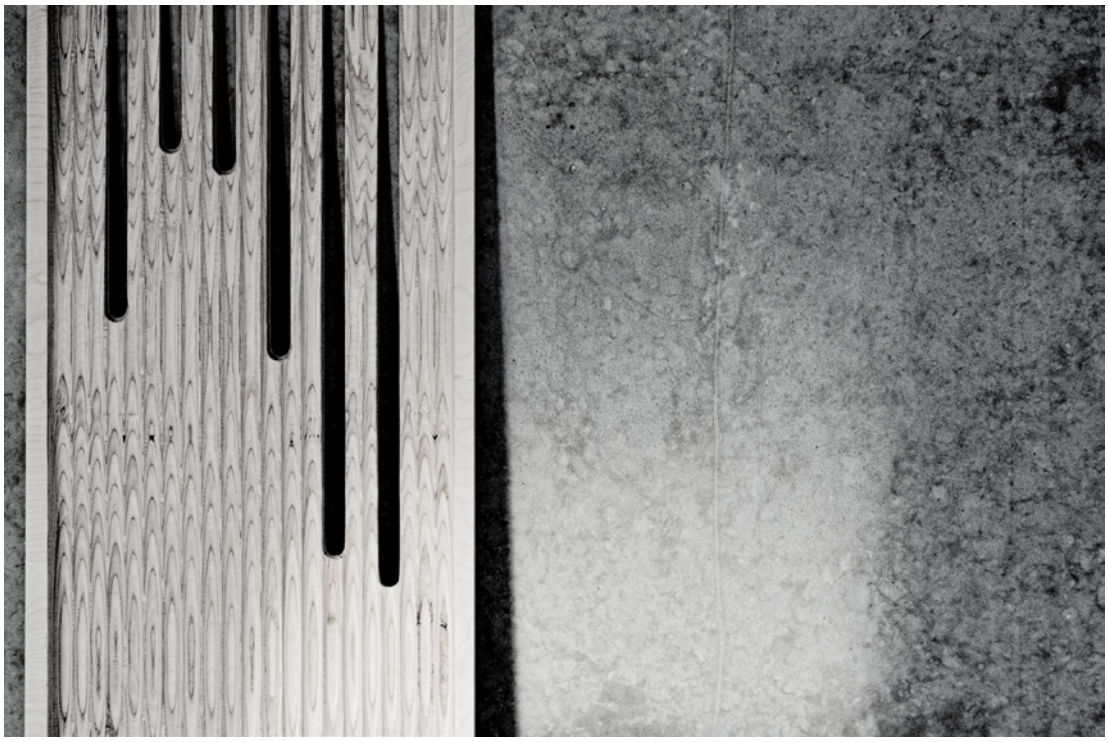
In this project, an acoustic panel was made for a library and in order to understand, how the sound will scatter, diffuse and absorb. The panel had a curved surface, that was scattering the sound while at the same time having pierced lines following in a rhythm that worked as absorption and creaed an aesthetic and artistic pattern to the library.

The programs Rhino and Grasshopper were used, for preparing the model. The panel was made in plywood and the robot was applied with a milling tool to create the design. Later in the process, the panel was tested together with other designs from students.

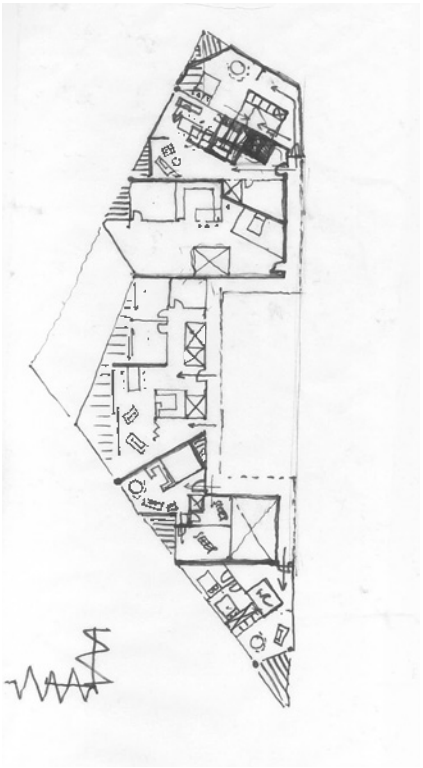
I dette projekt blev et akustisk panel designet til et bibliotek ved at forstå, hvordan lyden vil sprede, diffuse eller absorbere. Panelet havde en buet overflade, der spredte lyden og samtidig havde den gennemborede linjer, der i en rytme skaber absorbering.

Programmerne Rhino og Grasshopper blev anvendt til at forberede modellen til KUKA Robotten. Panelet blev lavet i krydsfiner, og robotten et fræseværktøj monteret for at skabe mønsteret på pladen. Senere i processen blev panelet opsat og testet sammen med designs fra andre studerende.

Surface and texture
Milling into plywood at different levels will create an interesting pattern, visualised on the picture above.



Acoustic panel
Showing here the panel



JANUARY 2018 | **ACADEMIC PROJECT**

ARCHITECTURAL DESIGN
Social housing in Aalborg
15.000 sqm, Håndværkerkvarteret, Aalborg.

Supervisor:
Claus Kristensen
Mingzhe Liu

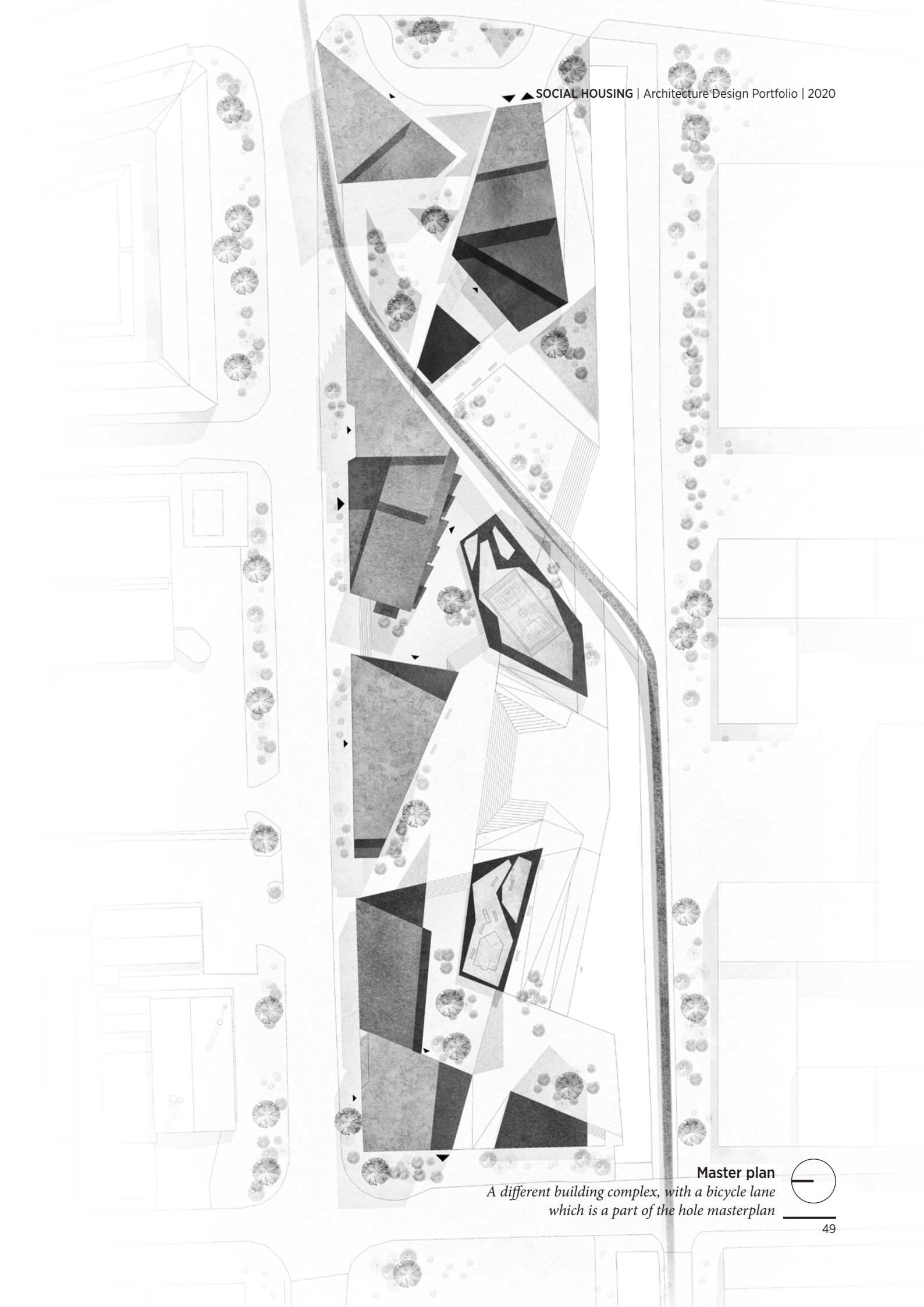
with:
Adam Szczepanik-Dzikowski
Axel Lembrechts
Damian Sebastian Jakubowski
Daniel Gomes Dos Santos

The project was located in Aalborg, where we had to create a social, urban housing complex. In our case, we wanted to somehow relate to the surroundings and came up with our interpretation of the place as a landmark and gate leading from outskirts to downtown.

This was the first project with international students, which improved the way I create architecture, since we had different ways of living and dwelling. This resulted in a different and multi-sided vision about sustainability, interior, as well as outdoor spaces and the way of living in a community.

Dette projektet var beliggende i Aalborg, hvor vi tegnede et socialt boligbyggeri. I vores tilfælde var vores vision, at forholde os til de nære omgivelser og derudaf, skabe vores egen fortolkning af stedet.

Dette var det første projekt med internationale studerende, hvilket forbedrede måden at jeg skaber arkitektur, eftersom vi i gruppen havde forskellige måder at leve og bo. Dette resulterede i en anderledes og flersidet vision om bæredygtighed, interiør samt udendørs rum og måden at leve i et by samfund.



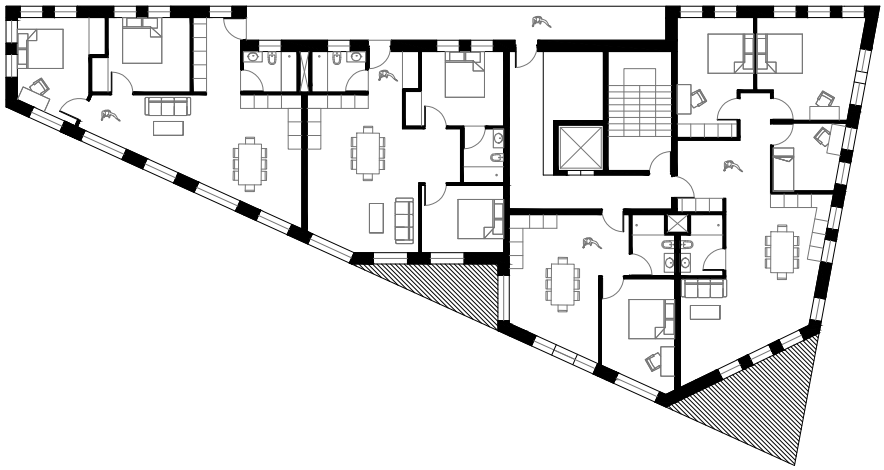
Master plan

A different building complex, with a bicycle lane which is a part of the hole masterplan

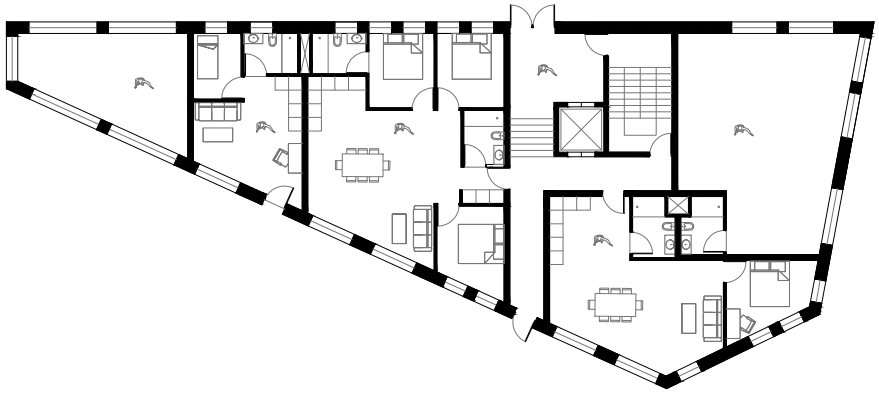
Façade visualization
We tried combine the existing surrounding with a modern touch and a focus towars the atmosphere.

Façade visualization

Having small shops on the ground floor and apartments on the upper levels, with floor to ceiling windows with french balconies.



Plandrawing 1st floor
A selected building is here shown



Plandrawing 2d floor
A selected building is here shown

Plandrawing 3rd floor
A selected building is here shown

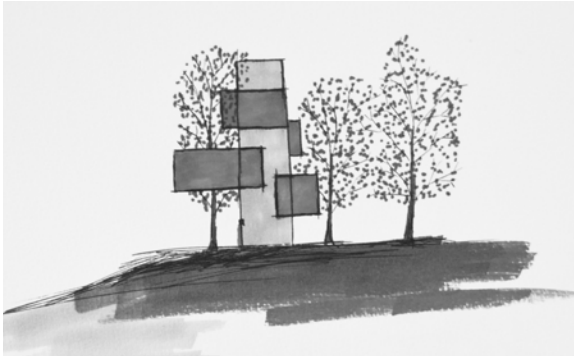
Plandrawing 4th floor
A selected building is here shown

Architectural rendering
Showing the stairs going into the inner courtyard, were the families will enter their apartments.

Architectural rendering
A visualzation that shows a inner part of the complex.

Architectural rendering
In the evening the apartment will light up and cars will drive pass the complex.

Architectural rendering
The groundfloor is mainly used for small shops. To shelter pedestrians from the rain an overhang were created.



OCTOBER 2017 | **ACADEMIC PROJECT**

ARCHITECTURAL DESIGN
The mushroom cabin
50 sqm, Hammer Bakker, Aalborg.

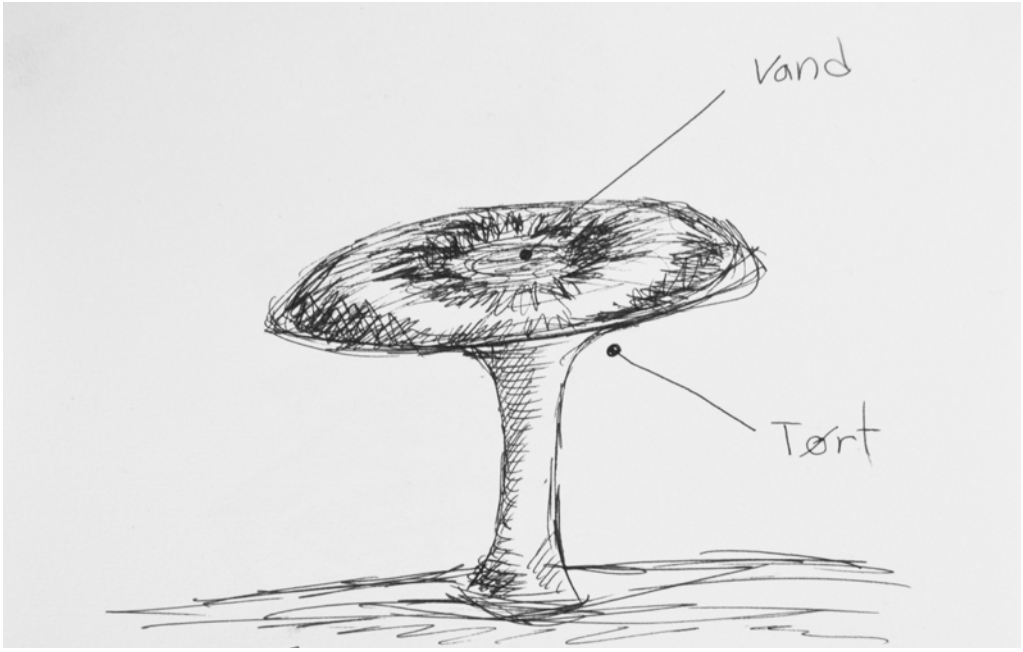
Supervisor:
Mikkel Poulsen
Claus Kristensen

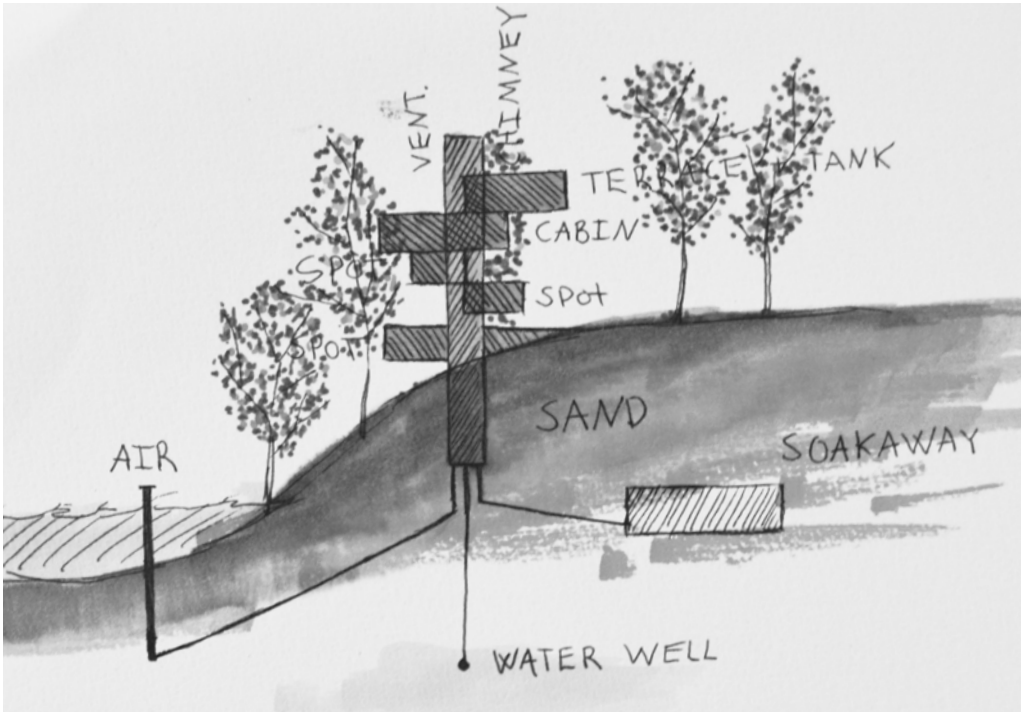
The cabin was designed for an academic course, where the user was a bird researcher, who should have the opportunity to explore the wildlife in the house. The goal was to mainly work with senses and knowledge of the building techniques since it was located in a forest, which is a difficult construction site.

The building was thought to be a ”birdtower”, with an in-situ vertical axis, which represents the log of a tree. The volumes were attached like parasites, which was a direct reference to the mushrooms located at the site. The four volumes consist of the following functions; bathroom, living/bed, terrace, and lookout.

Denne hytte var designet for et kursus, hvor målgruppen var en fugleekspert, som skulle have mulighed for at overvåge fuglelivet fra husets indre. Der blev arbejdet med sanserne, og samtidig arbejdet med bygningsteknikker, eftersom bygningen var placeret i en skov, i et utilgængeligt område.

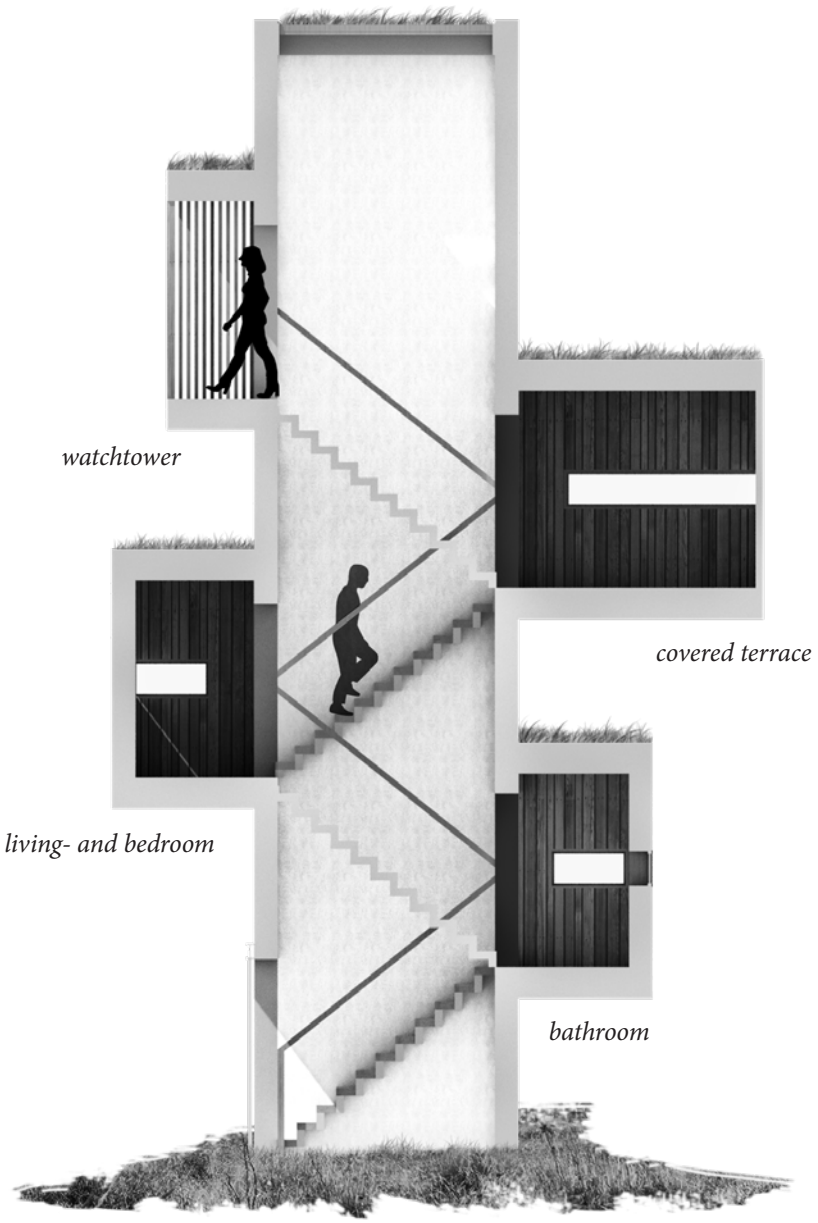
Bygningen var tænkt som et ”fugletårn” med en in-situ vertikal akse, som skulle repræsentere træstammen. Volumenerne var tilføjet, som parasitter, hvilket var en direkte reference til svampene på lokationen. De fire volumener består af følgende funktioner; badeværelse, stue/soveværelse, terrasse og udkigspunkt.



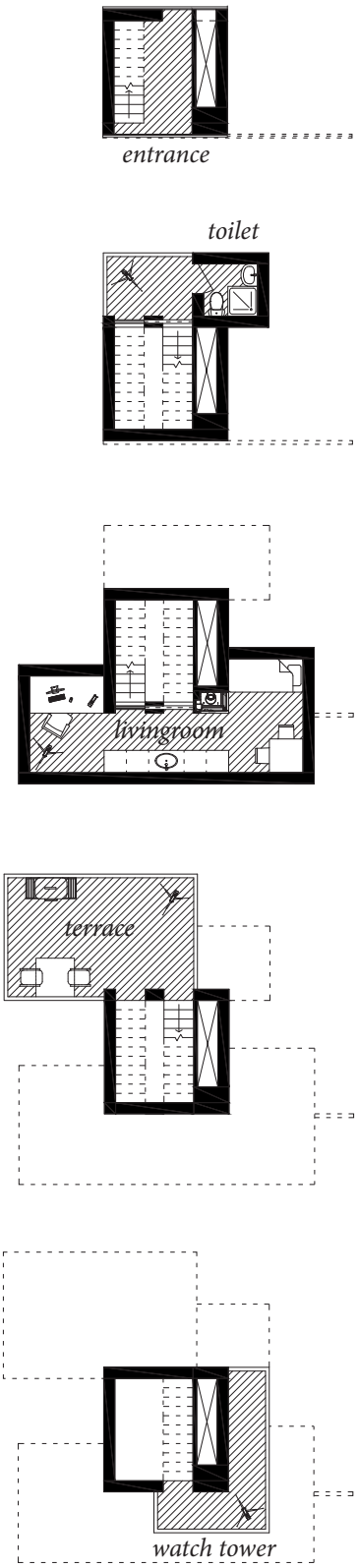


Sketching
A sketch showing the initial idea of how the building should function.

Architectural rendering
The mushroom bird tower in the forest



Section
Showing how the staircase and the placement of the different functions



Plandrawings

To access the house, a slidingdoor is used as the entrance, and will open up to a staircase leading up to the 1st floor.

JULY 2017 | **ACADEMIC PROJECT**

ARCHITECTURAL DESIGN
Aalborg Theather
5.000 sqm, Aalborg, Spritten.

Supervisor:
Kemo Usto
Jesper Thøger Christensen
Michal Pomianowski

with:
Ajanthan Alex Sivapatham
Gerd Kay Markvard
Kirstine Tone Hylleberg Beyer
Mimi True Sørensen

This was the bachelor project, where we had to design a new theatre for Aalborg. In our case, the location of the plot was an old abandoned factory in Aalborg, where we had to design a building as a part of already existing building.

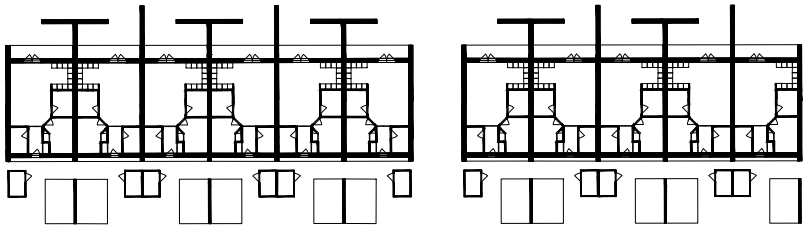
Unfortunately, the project did not turn out, the way we wanted, because of poor decisions and time issues. Despite that, the project has a simple will organized plan, which can be seen above. This project provided an understanding of the difficulty of creating new architecture in the context of already existing buildings with a strong local history.

Dette var bachelorprojektet, hvor vi skulle designe et nyt Aalborg Teater. I vores tilfælde var placeringen af grunden den gamle sprit fabrik i Aalborg, hvor vi skulle designe en bygning i sammenhæng med de allerede eksisterende bygninger på sitet.

Desværre blev resultatet af projektet ikke fyldestsgørende grundet dårlige beslutninger og en utilregnelig tidsplan. På trods af dette har projektet en simpel velorganiseret grund plan, som kan ses ovenfor. Dette projekt gav en forståelse for vanskeligheden ved at skabe ny arkitektur i sammenhæng med allerede eksiserende bygninger med en stærk historie.

Plandrawing

To the left is the existing building, which is used for a café and small scene. In the center of the plan the theater is located.



Designprocess
This was one of the first design proposals.

AUGUST 2017 | **PRIVAT PROJECT**

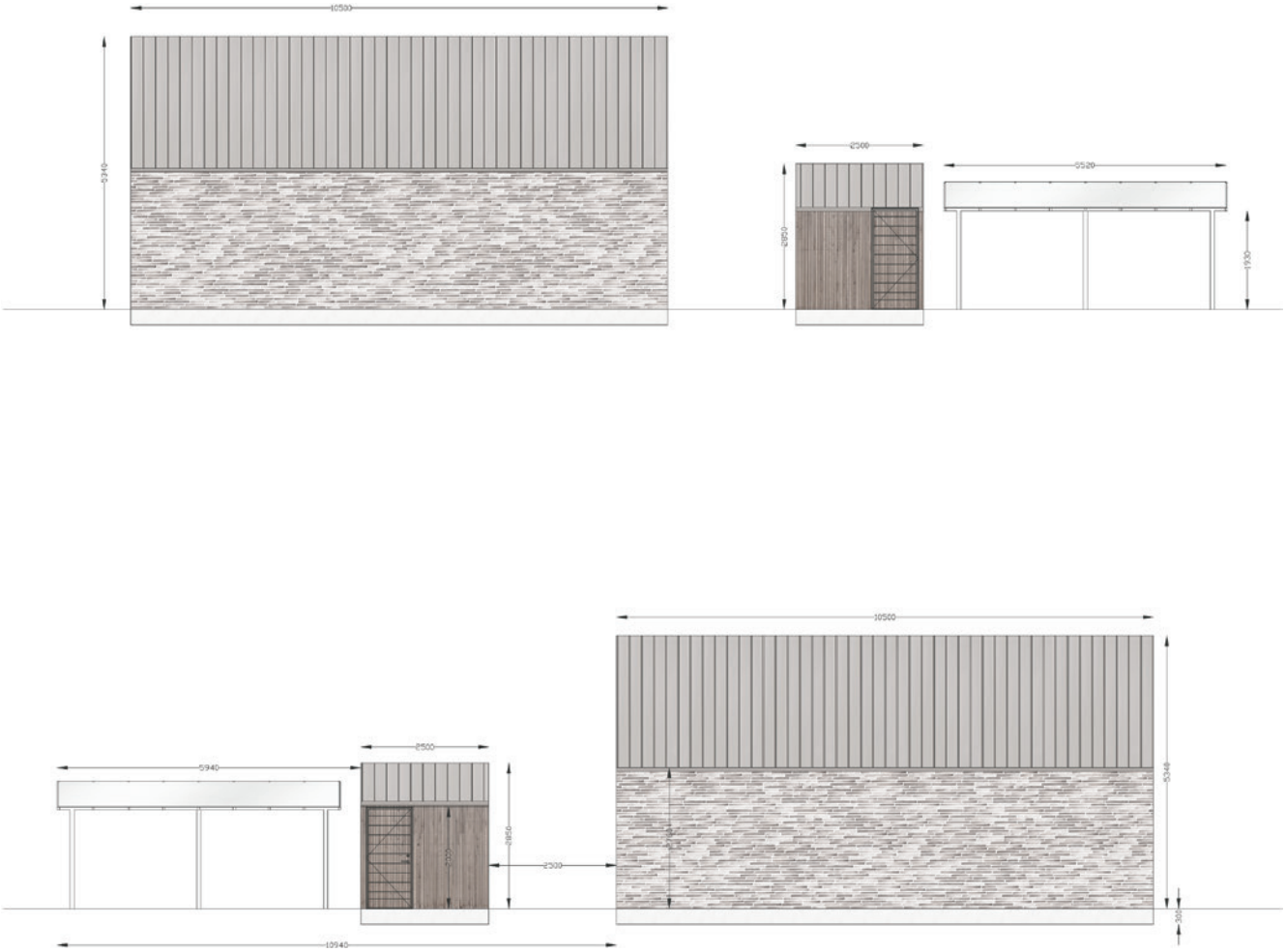
ARCHITECTURAL DESIGN
Sønderport Husene
10.000 sqm, Løgstør.

The Sønderport houses was a project with an area of one hectare, where 19 economic owner-occupied homes where to be drawn. The dwellings were designed so the net floor plan was around 100 m2 with shared carport and outdoor shed. The challenging part of this project was to create beautiful architecture with affordable rent.

Throughout the project, I was responsible for drawing the project so it could be shown to investors. To visualize the project a masterplan, plan, facades, and renders were created.

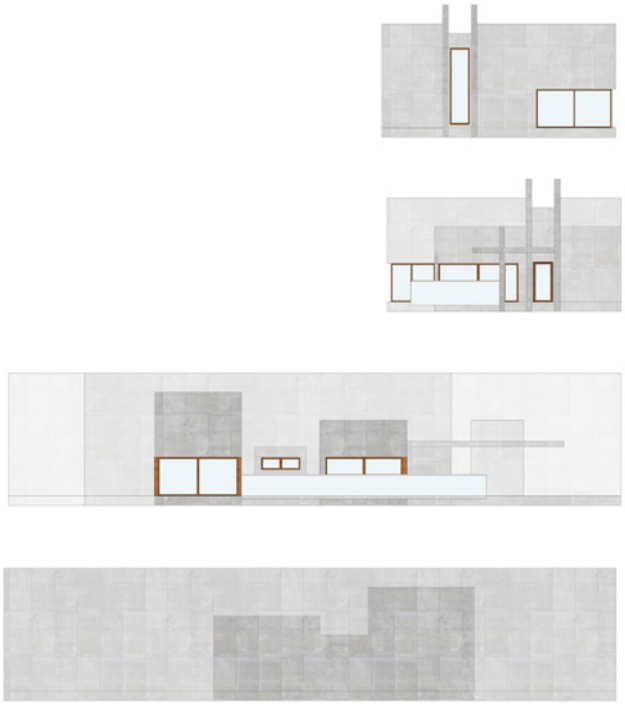
Sønderport husene var et projekt, som omhandlede 19 økonomiske ejerboliger på en større grundplan i omegnen af en hektar. Boligerne blev tegnet så netto grundplan som var på omkring 100 m2 samt fælles carport og udeskur. Projektets formål var at skabe flot arkitektur med en billig husleje.

Gennem projektet havde jeg ansvaret for at udføre projektet, så det kunne fremvises til eventuelle inverstorer, hvor der både blev lavet masterplan, plan, facader og visualiseringer.



Facade drawings
On these facades, we see the dimensions of the buildings, as well as the carport and small shed.


10500
500
5000
2400
room
3250
2400
8330
2100
9350
livingroom
entrance
toilet
2750
3980
1470
bed
room
3390
room
2350
2350
23720
3300
4100
2500
830
storage
2400
2300
5520
carport
5060
5200
3500
room
bed
room
storage
toilet
11800
livingroom
entrance
room
7420
8500



JULY 2016 | **ACADEMIC PROJECT**

ARCHITECTURAL DESIGN
Atelier for a painter
110 sqm, Portugal.

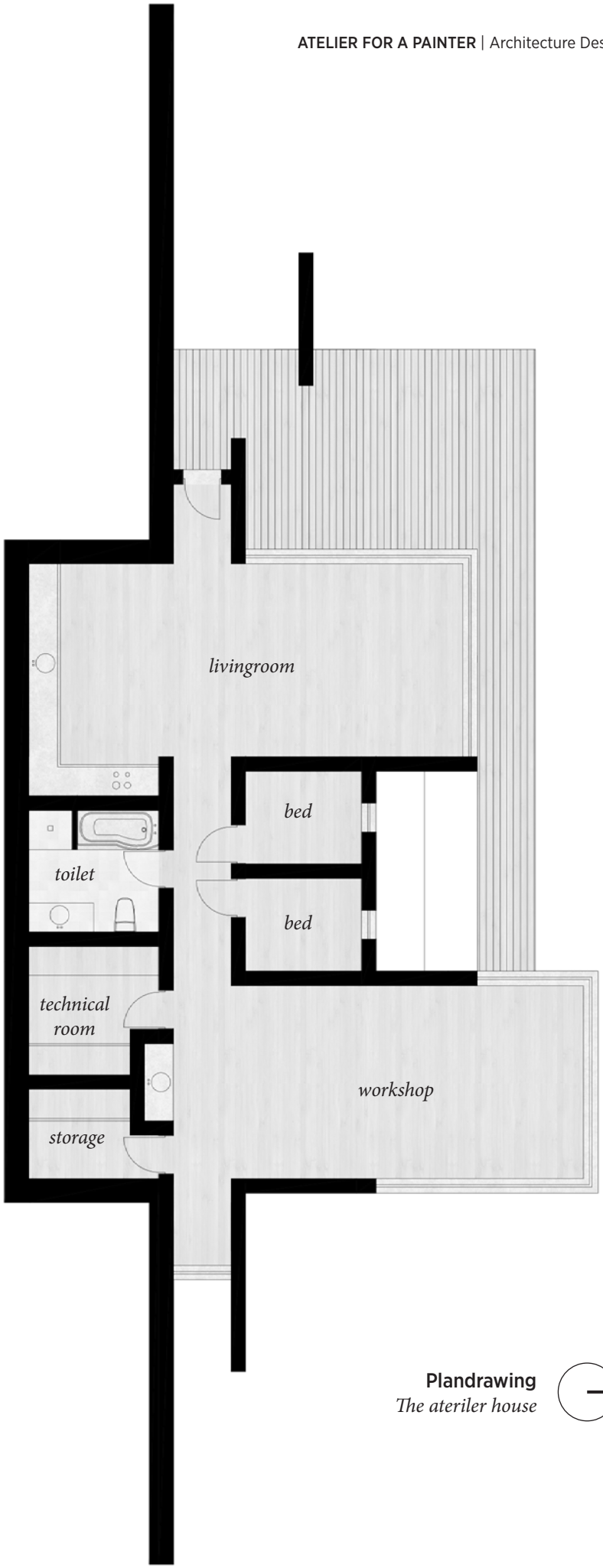
Supervisor:
Claus Kristensen
Michal Pomianowski
Rasmus Lund
Christian Frier

A project about an atelier in Portugal. The atelier was part of academic courses, where the building had to be created in concrete, with a functional ventilation system and natural ventilation. The main goal was to integrate the technical elements into the design process, which also should be drawn and calculated.

The idea of the ”Atelier for a painter” was to place an axis, which should act as a bearing wall. Furthermore, it created a direction in the house, from which two main volumes extruded out, with an exceptional and beautiful view towards the Atlantic Ocean.

Dette projekt omhandler et atelier placeret i Portugal. Atelier var et resultatet af akademiske kurser, hvor bygningen skulle konstrueres i beton med et funktionelt ventilations- system og strategier. Målet var at integrere den tekniske viden ind i designprocessen, hvor det samtidig skulle tegnes og udregnes.

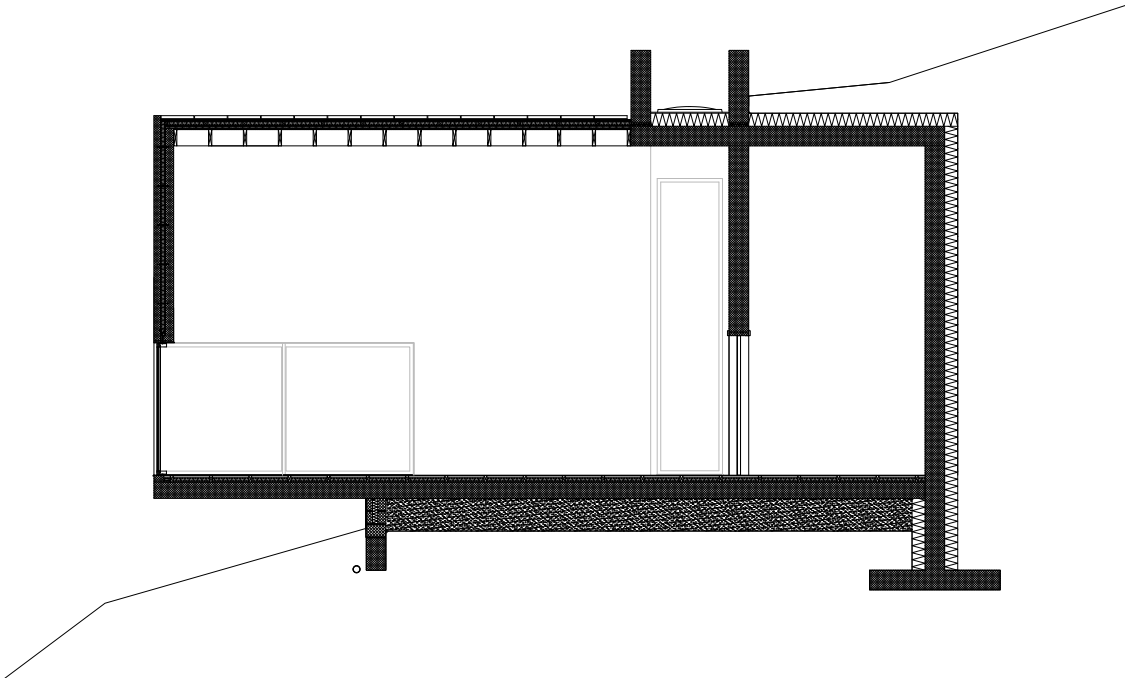
Idéen om ”Atelier for a painter” var at placerer en udvalgt akse, som havde til formål, at være den bærende væg, som samtidig skabte en retning gennem huset, hvor de to primære volumer udstikker, med en enestående og smuk udsigt ud over Atlanterhavet.



Plandrawing
The ateriler house

Architectural rendering
The atelier on the edge of the cliff

Architectural rendering
Submerged into the ground



Architectural rendering
A direction through the hallway, showing the entrance and livingroom.