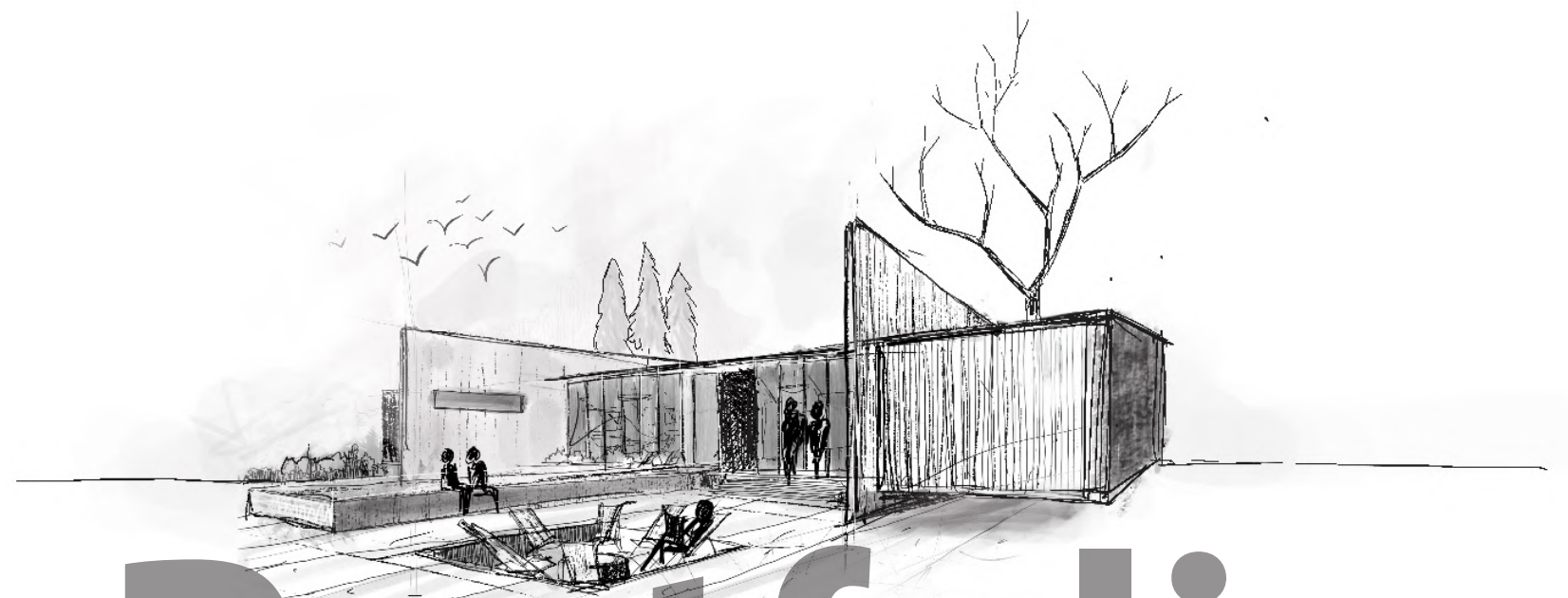




Portfolio

Jay Johnson

1.

University Work

Pollinator

FF research center

The exhibitionist

2.

Model Making

Mundoo model

Hand-made models

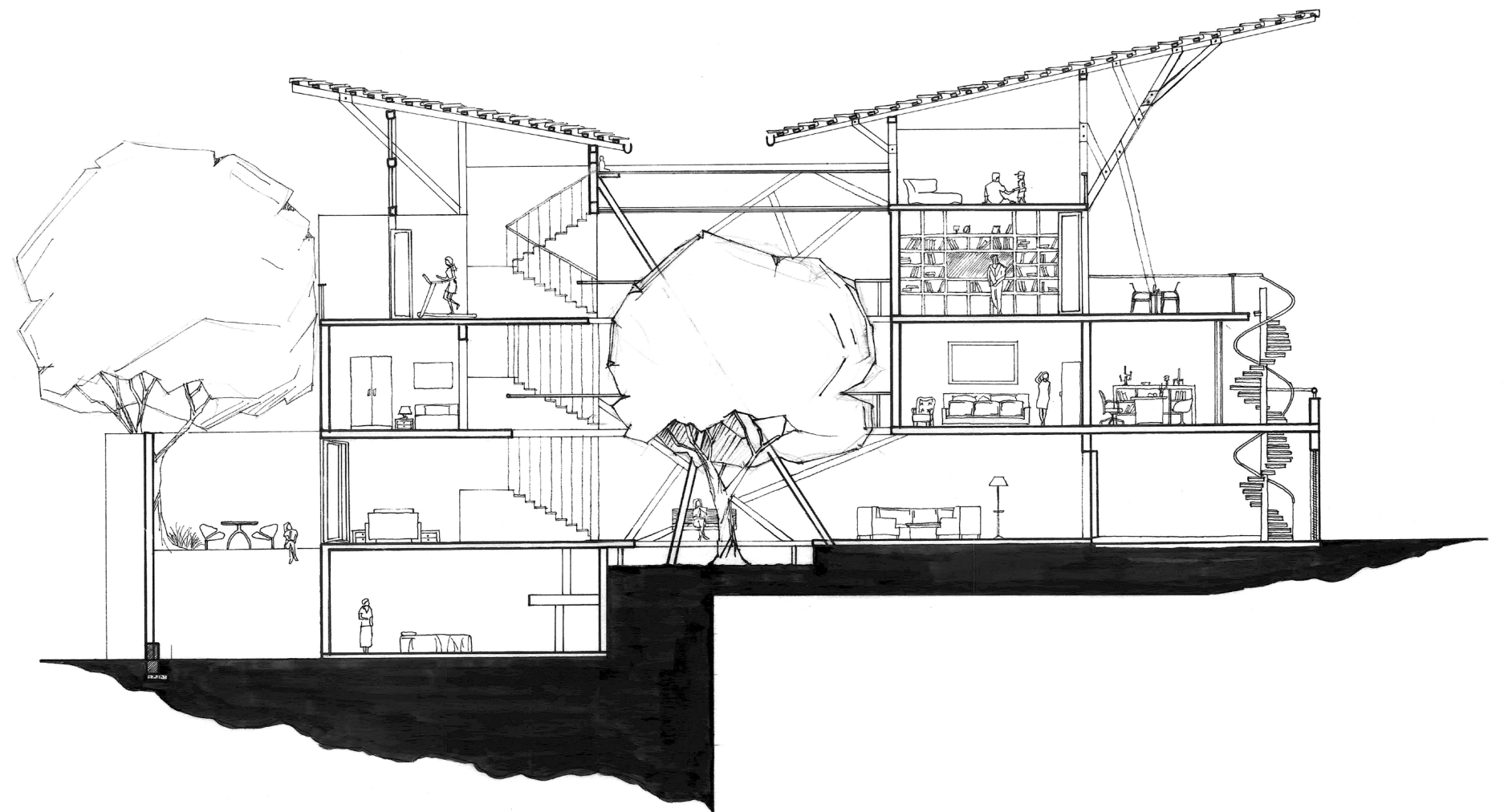
3.

Work experience

Nils Lasson

Local

International



University work

Context studio Pollinator

Location- Mundoo Island

Client- South Australian Research and Development Institute (SARDI)

Salinisation of rivers has become a global problem. It has environmental, economic and health implications. It causes **food scarcity** due to the negative impact on agriculture. **Climatic change and excessive water consumption** are the main causes for this problem. The best viable and quickest solution for this issue is producing crops that are not affected by salt water.

The mother facility will serve as a **testing ground for developing saltwater tolerant plants**. The goal is to innovate new species through scientific research and **raise the awareness** of the farmers and general public in Goolwa and river banks of murray river.

The “pollinator” which is a spin off facility which lies close to the main research center building will be focusing on producing salt water tolerant flower plants to **support horticulture** in south australia. Also this building will double as a rest stop for kayaks passing by.

Passively this building will become an **iconic structure in the middle of the Coorong river** which will attract more visitors to Mundoo Island. The building incorporates lots of genetically mutated flower plants that can withstand salt water and **live piano music** while giving an adventurous promenade to the visitors who love heights with **climbing experience**. This will be a great spot to address the **mental well being of the farmers** who are going through a great frustration due to the losing their crops because of the salinisation issue.

Protagonists

The visitors are divided into **three main groups** and addressed those **3 groups considering them as 3 persons** to personalize the experience to a targeted crowd. For this cause, the **potential visitors have been identified and closely analysed** to understand the purpose of their visit and their interests.

User #1

The Botany student (user)

Name : Linda Furlen
Age : 26
Height : 165cm
Weight : 65kg
Hometown : Adelaide CBD
Status : Single

Interests : Playing Piano, Craftings with flowers
Character : Introvert, Active person, Claustrophobic
Spaces allocated : Botanist lab, Hidden piano deck, Crafting room

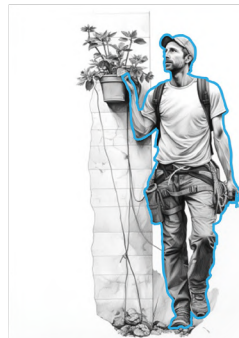


User #2

The Horticulturist (employee)

Name : Jayden Johns
Age : 32
Height : 185cm
Weight : 75kg
Hometown : Adelaide CBD
Status : Married

Interests : Climbing, Treating plants
Character : Somewhere in between introvert and extrovert, Active person, Likes adventure
Spaces allocated : The Garden, Climbing wall, Crafting room

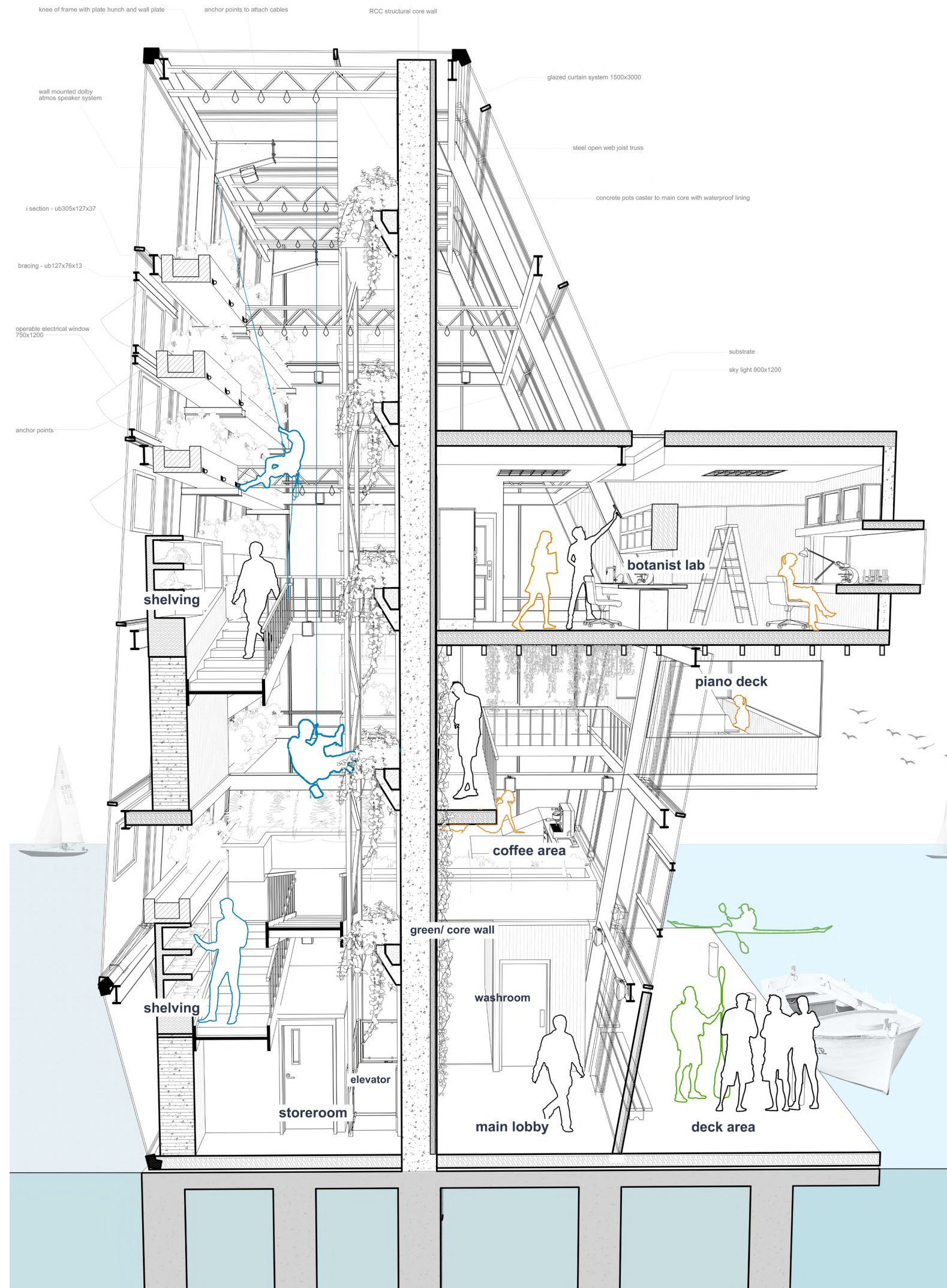


User #3

Physical trainer, Kayak guide (local)

Tao Berman
Age : 40
Height : 175cm
Weight : 80kg
Hometown : Adelaide CBD
Status : Divorced

Interests : Vlogging, Riding Kayak
Character : Extrovert, Active, Friendly person
Spaces allocated : The deck, Outdoor fitness area, kayak launch platform



Intergrated studio (extension to context studio)

Future farming research & awareness center

Location- Mundoo Island
Client - Australian Bureau of Agricultural and Resource Economics and Sciences

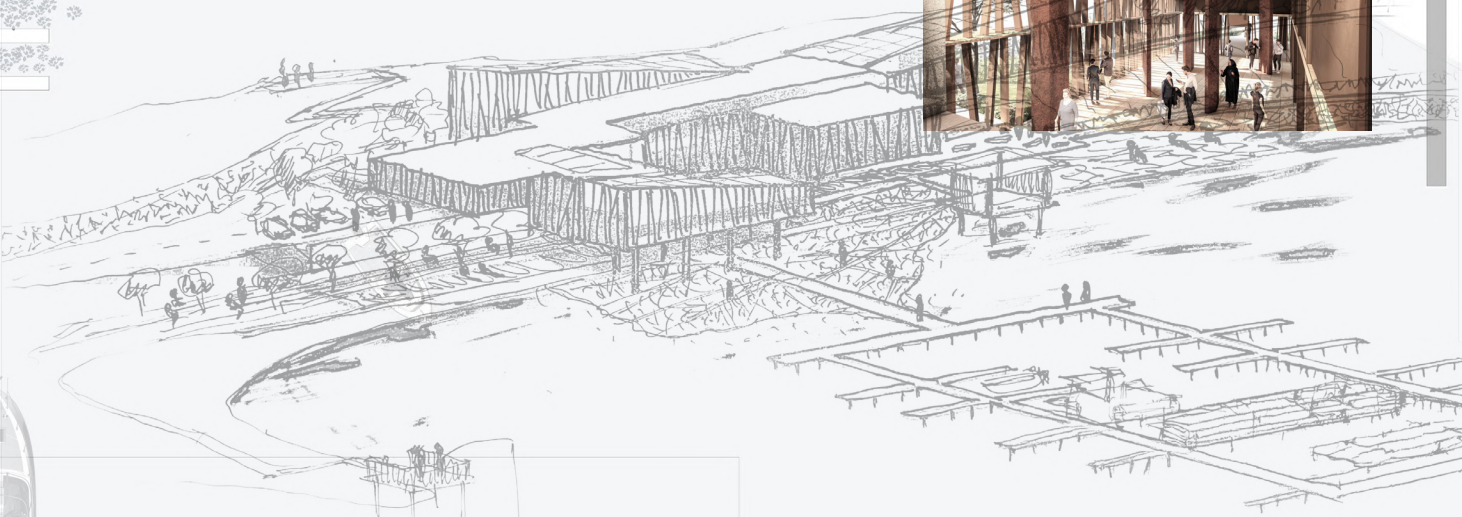
This act as the mother research facility which consists of high tech labs to do research on genetic mutation of plants to address the salt water issue. Also another aim of this facility is to **reintroduce the plants that are endangered** due to bad agricultural practices and modern climatic change. This will **promote indigenous agriculture practices** and develop them further and raise the awareness within farmers. Finally, this will act as a **Sanctuary for farmers** and agriculture enthusiasts to hang out and network, to discuss their agriculture related issues with professionals and spend a great time while enjoying the views of Coorong river.

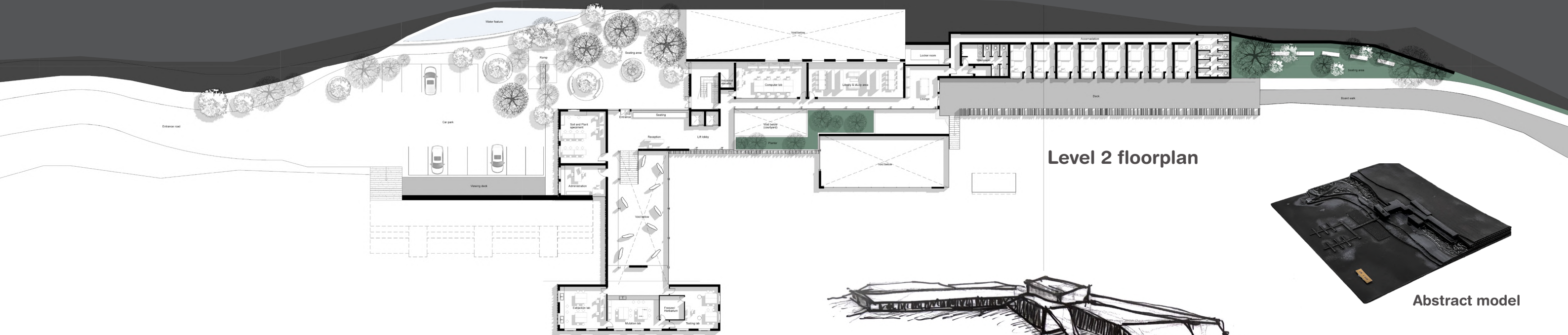
Longitudinal section



Level 1 floorplan

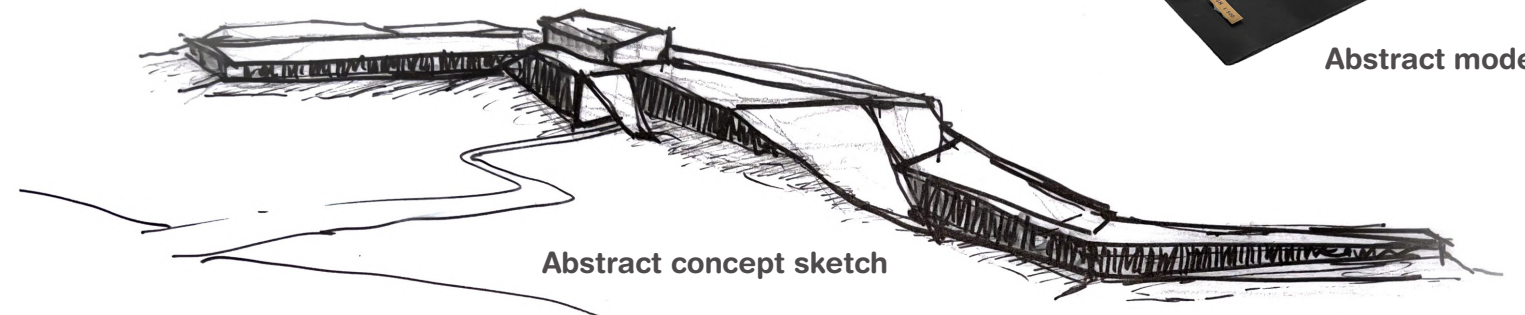
The main mode of transportation method to this place will be by boats and kayaks. The buildings will be designed in a way to **utilize the optimum natural light while mitigating the strong winds of Mundoo Island** and creating beautiful views towards the Coorong river in different levels. Moreover, it will **create opportunities for the Ngarrindjeri community** to join the workforce as bush rangers and scientists to rejuvenate their lands while preserving the knowledge to the next generation.



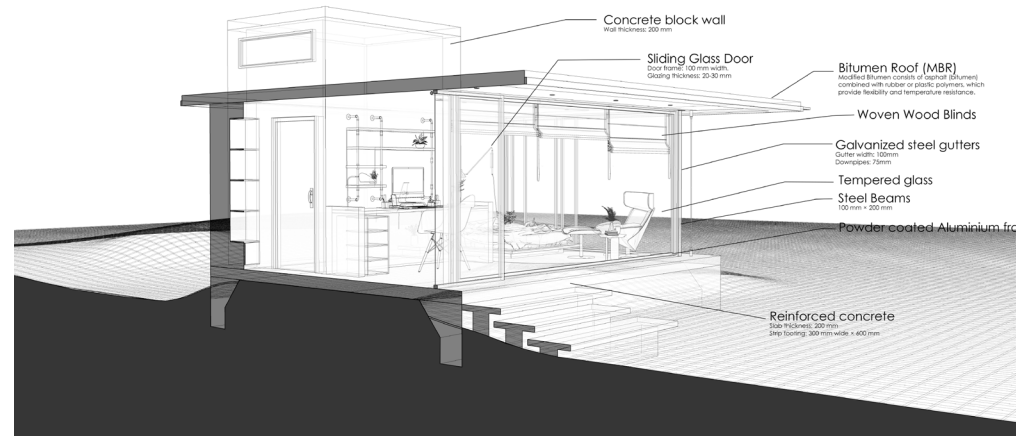


Level 2 floorplan

Abstract model

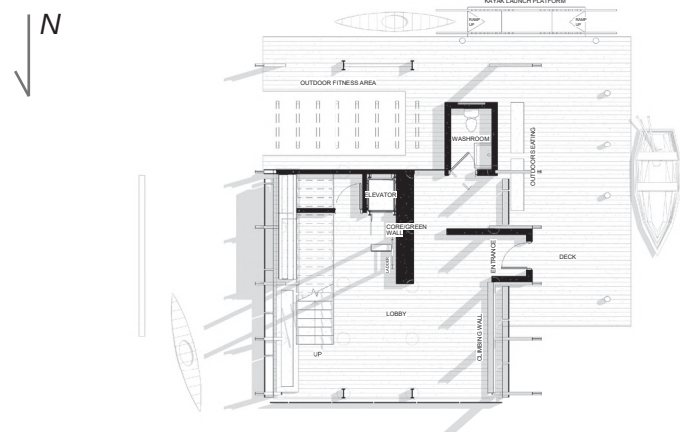


Abstract concept sketch

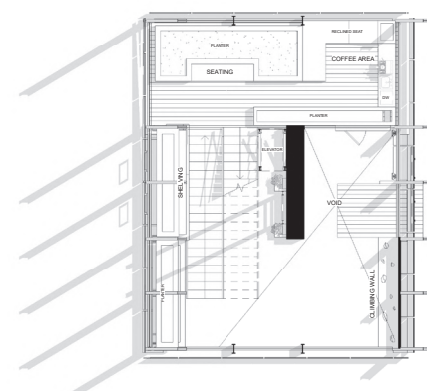


Studio lab Section

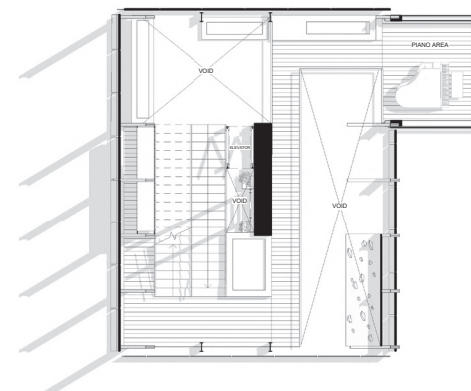
Design Concept



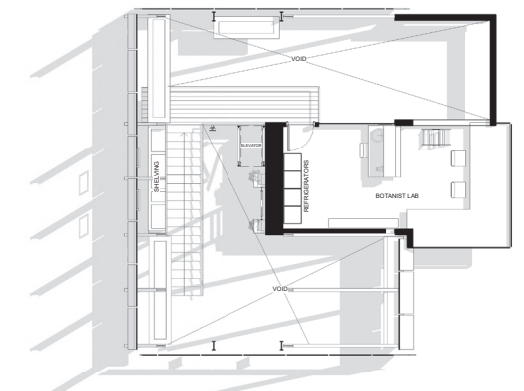
Ground floor (deck)



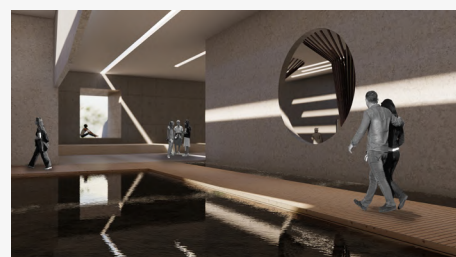
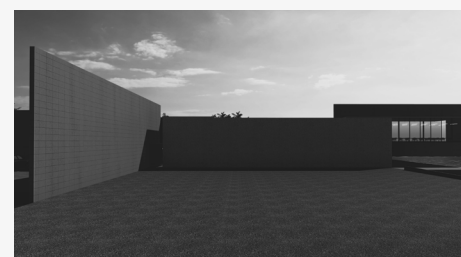
First floor



Second floor



Third floor



The building interior will be inspired by minimalism and the interior will be fused with exterior creating communal hotspots. **Ten studio labs will be strategically placed to gather samples and research on different plant species and soil types.** These studios will provide comfortable accommodation for researchers/scientists to carry on while enjoying their stay in Mundoo island. The access to these will be managed through a selective application process.

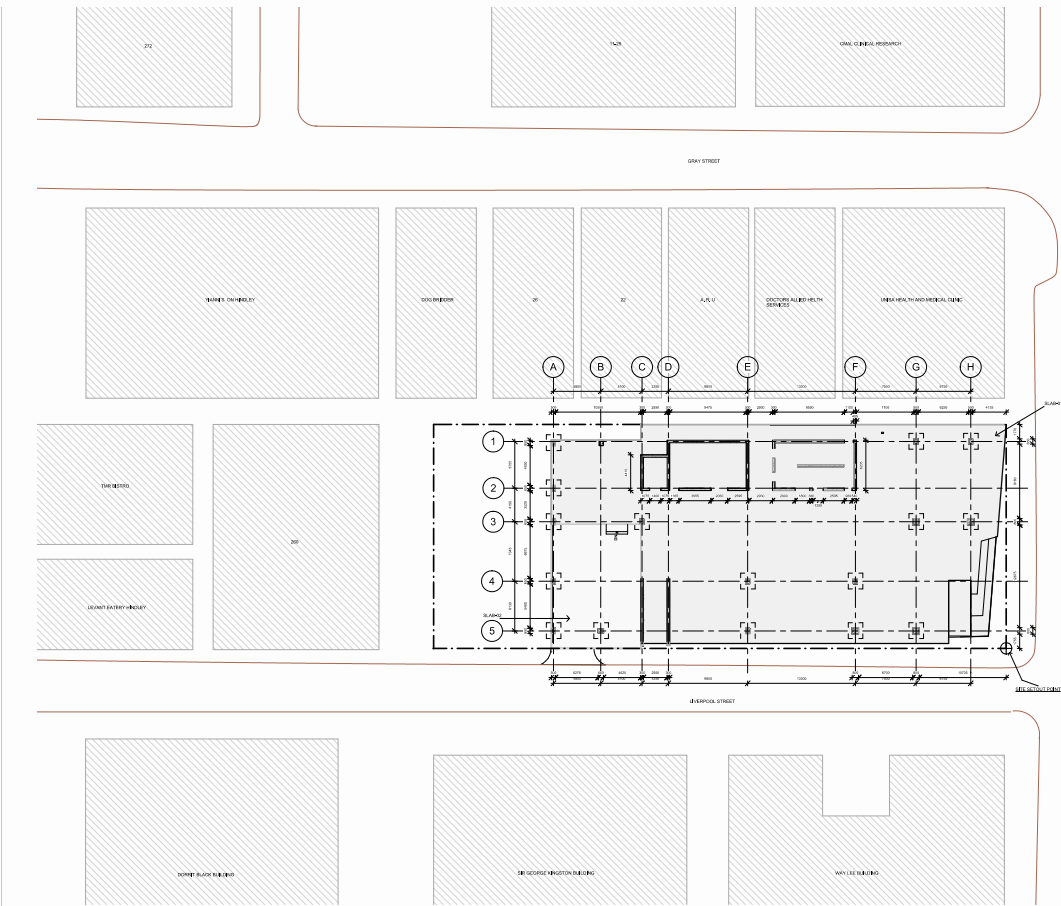
Construction studio

The Exhibitionist

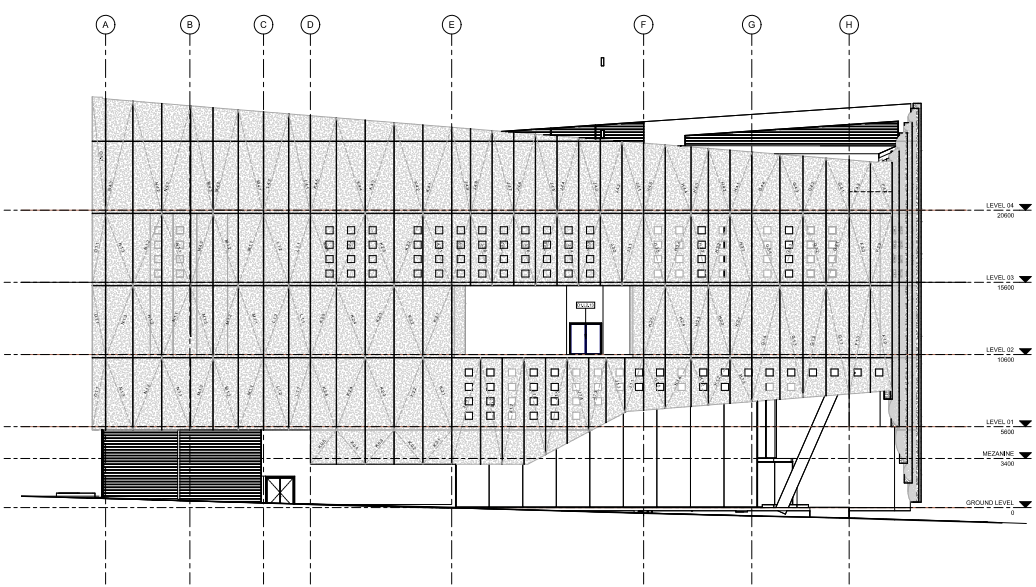
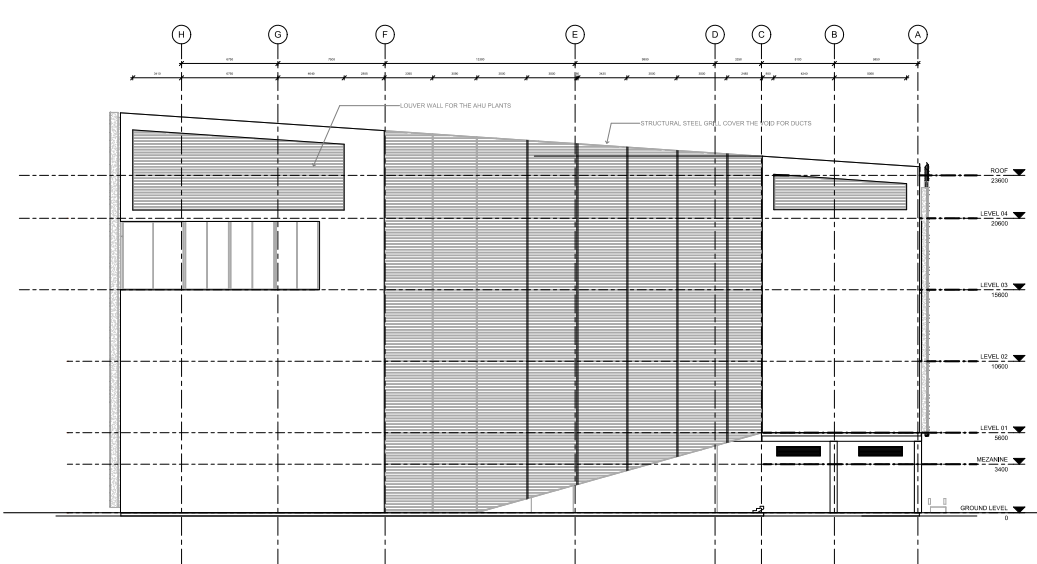
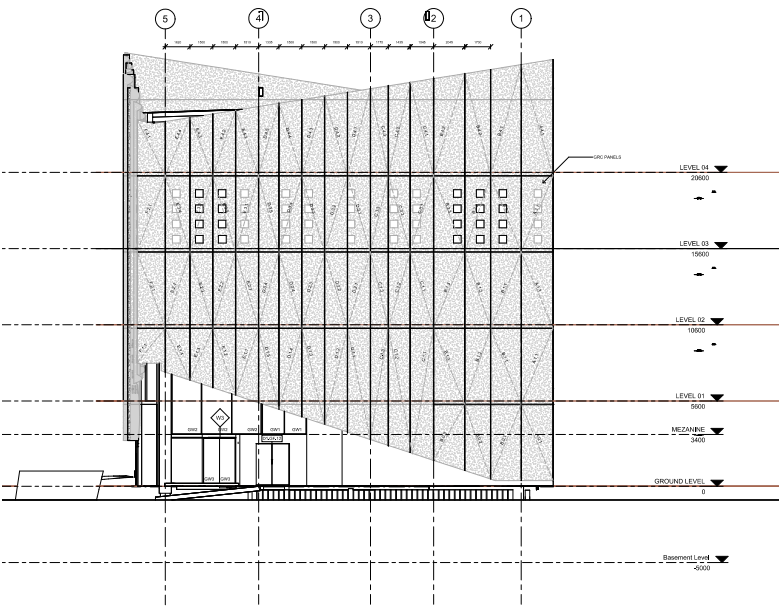
In construction studio project, teamwork was essential as we collaborated on various design aspects. Each team member, including myself, focused on designing a sleeping pod, a key component of the project. This experience allowed us to develop construction knowledge, technical drawing skills, and significantly enhance our Revit skills. Working both collaboratively and individually, we gained valuable hands-on experience and a deeper understanding of architectural design and its practical applications. This project demonstrated our collective innovation and technical proficiency, contributing to the overall success of the design.



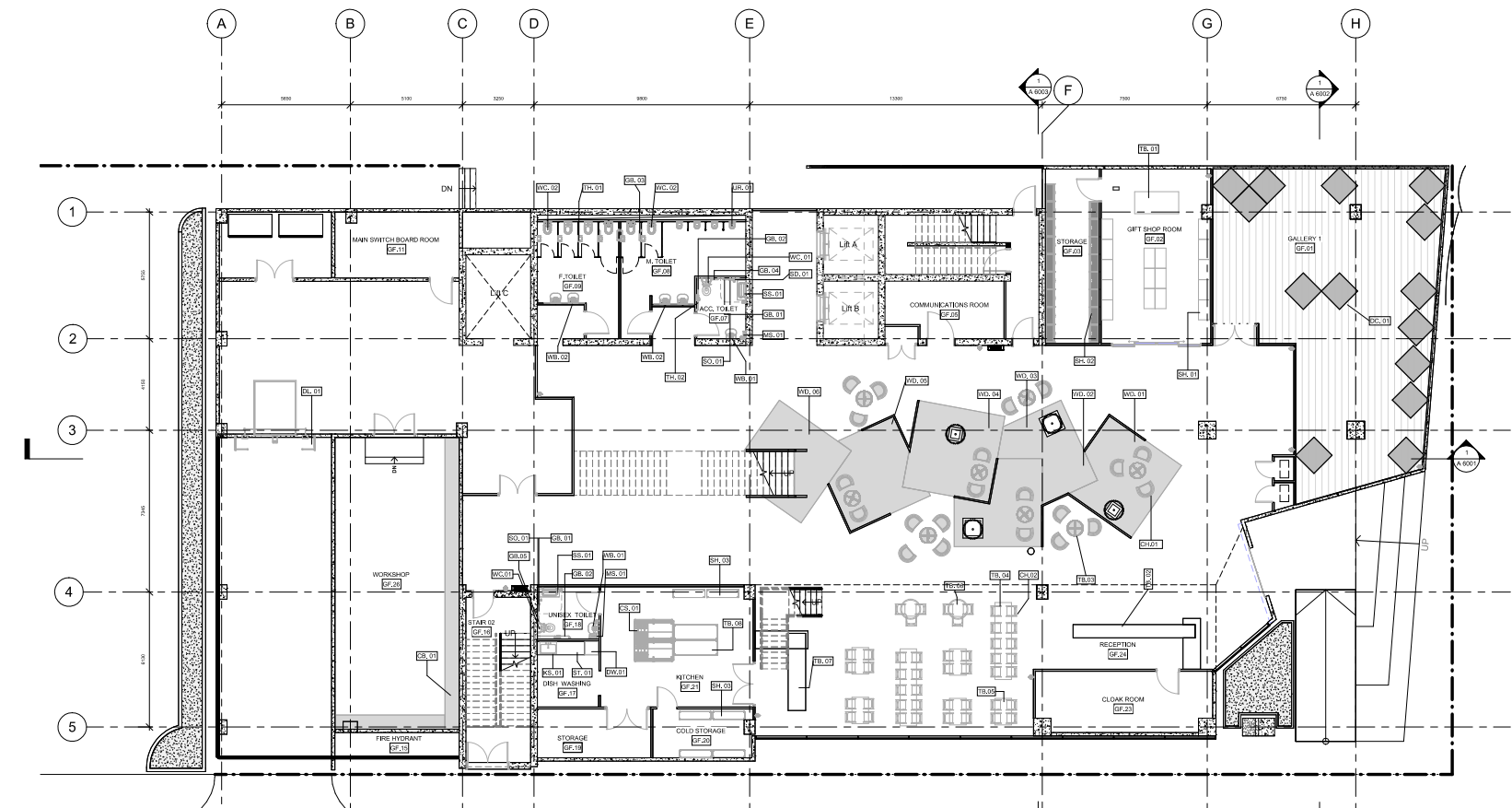
Layout plan



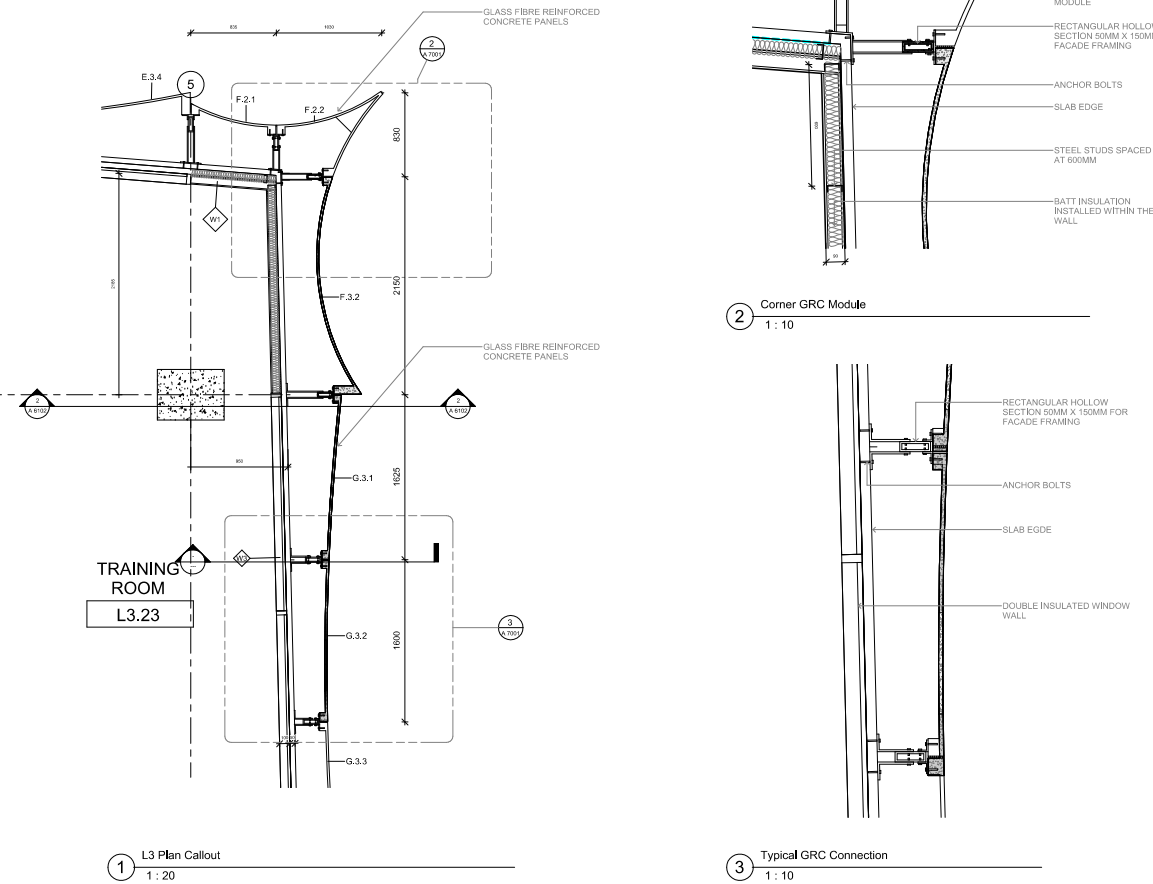
Sections



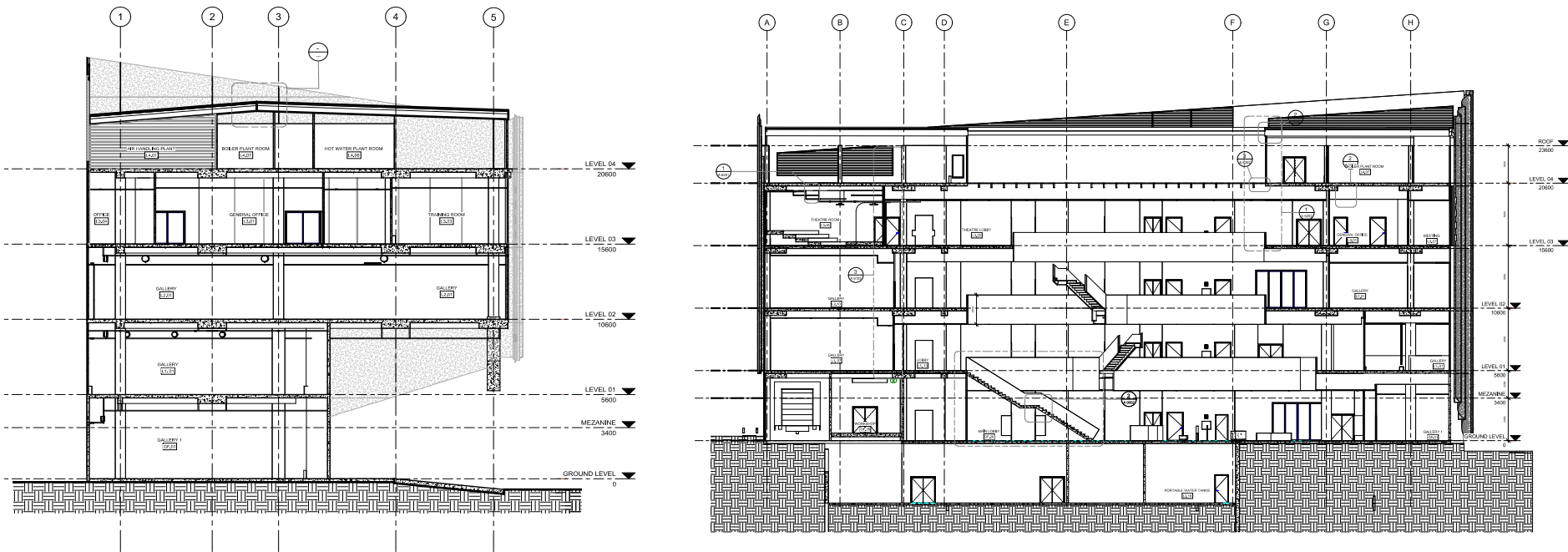
Ground floor plan



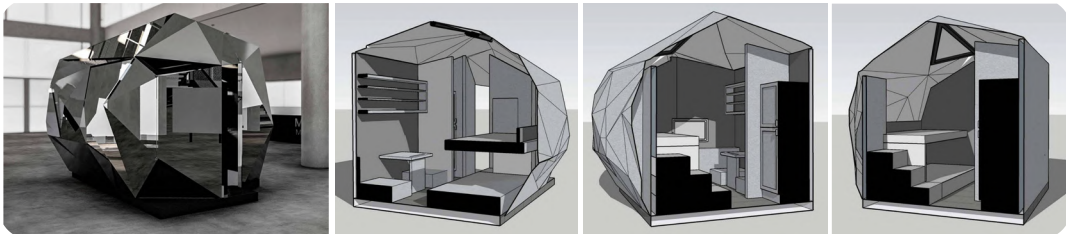
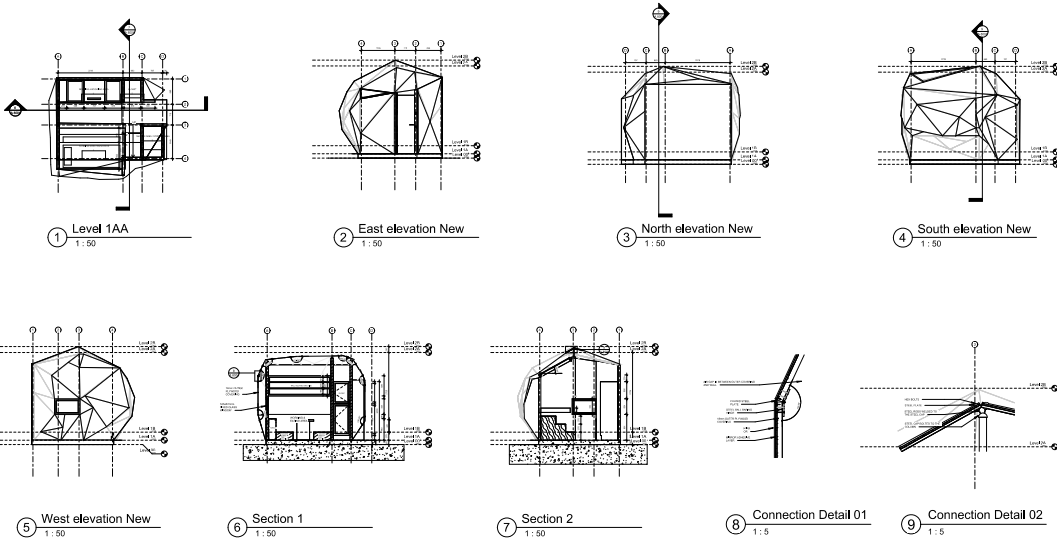
Construction details



Sections



Pod design





Model making

In our final year studio, our group was assigned with producing a **1:1000 scale model of Mundoo Island**. This collaborative project required meticulous attention to detail and a deep understanding of the island's geography and features. I mastered skills such as **3D printing, laser cutting, and power tool use**, enhancing our model-making process. This experience honed our abilities in **teamwork, technical proficiency, and spatial analysis**, providing valuable insights into large-scale environmental planning and design.



Hand-made models

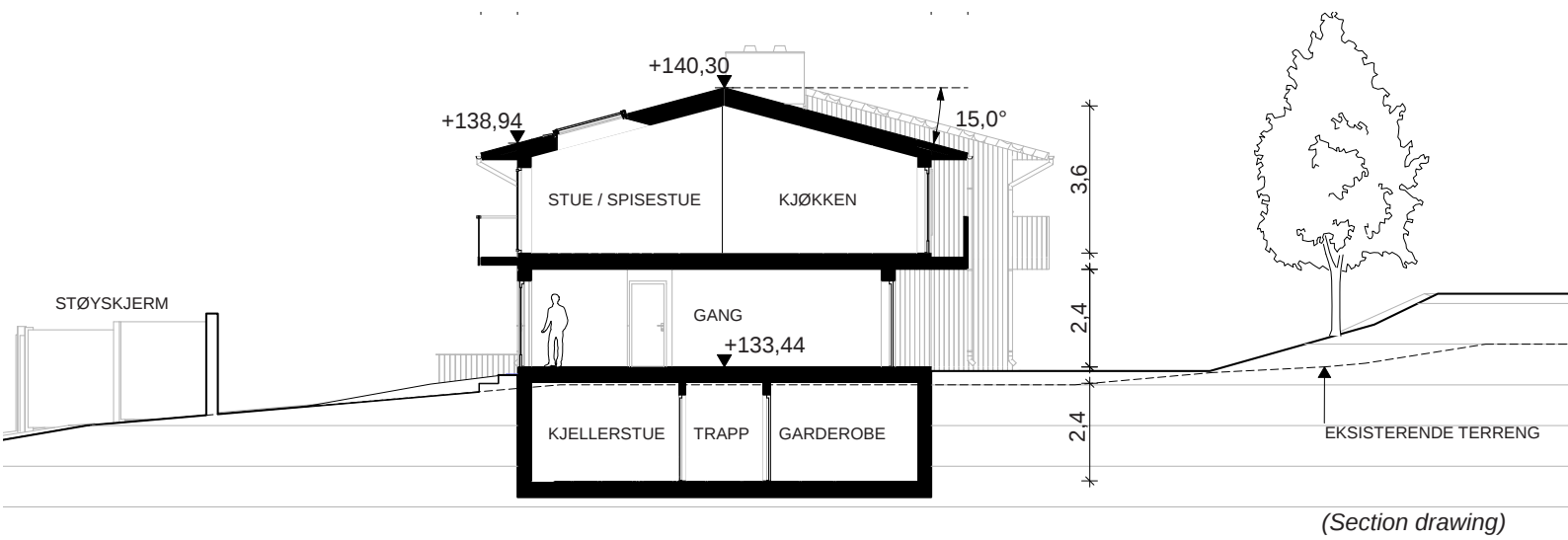


Work Experience

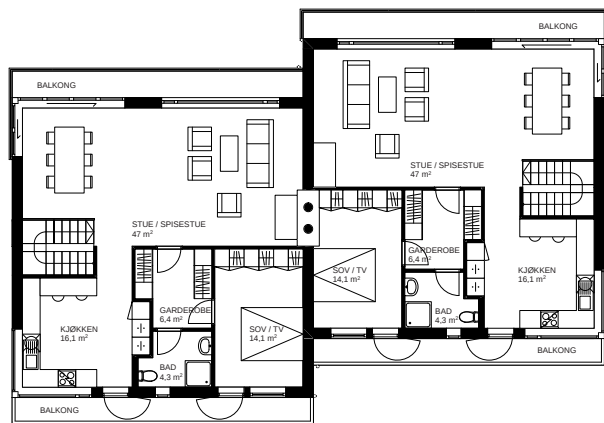
5 Nils Lasson Norway

Architect : Marlow Arkitekter
Project Manager : Ingrid Berdal
Project Consultant : Emilie Borthen Bredal

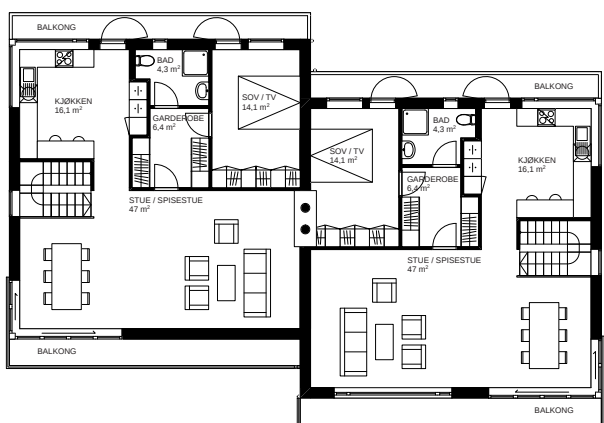
I collaborated with Marlow Architecture in Norway. Initially it was challenging due to the language barrier in spite I managed to complete the project successfully exceeding their expectations. I deepened my understanding of legal procedure in Norway. In addition to that, I got the great opportunity of working alongside Norwegian Architects and fabricators. Furthermore, I refined software skills such as **Revit**, **Sketchup** and **Lumion**. Most Importantly, I could work close to Norwegian sustainable design experts and **get a good exposure to certifications (LEED and BREEAM)**.



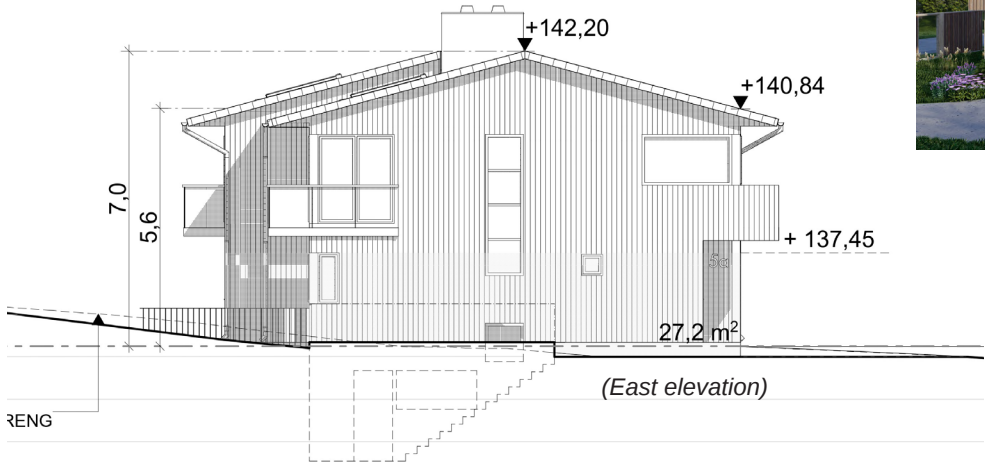
(Section drawing)



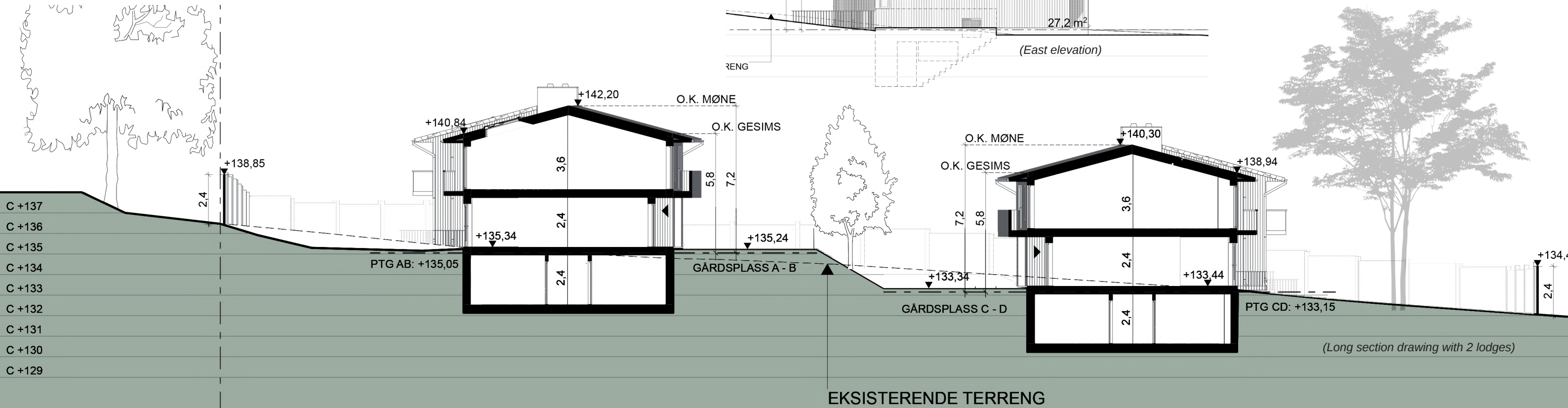
(Lodge 1 level 2)



(Lodge 2 level 2)



(East elevation)



(Long section drawing with 2 lodges)

Local experience



MP3 Design, QA

I worked as an **draftperson** for a proposed townhouse development in Loganholme for Casa J Blanca. This development consists of 3 types of dwellings to satisfy diverse needs of potential occupants. My role in this project was to **produce detailed drawings and 3D models**.



Think Architects, SA

In collaboration with Think Architects, I got the opportunity to produce a set of detailed 3D designs for their recent projects. I **started there as an intern and ended up working as an external 3D designer** while I was completing my masters at UniSA. While I was working as an intern I got the opportunity to work in a busy architecture environment and interact with other co-workers such as senior architects, graduates and interior designers.

Squire Constructions, SA

I collaborated with Square Construction, to produce a set of detailed drawings for a **renovation of a four bedroom house** and produced interior visualization. I could **attend the site visits** and understand the process of transforming of old buildings and analyze critical aspects such as site constraints, environmental strategies and materials.



SILC Global, VIC

In collaboration with SILC Global, a Victoria based furniture company, I developed a series of high quality furniture designs and visualized them for their production and marketing purposes. I mastered AutoCAD skills and fine detailing in Sketchup while engaging in this project. It helped me not only improve my modeling skills but also my interior designing skills as I was assigned to produce a series of interiors with the furniture produced.



International experience



1

1. Tremblant Cabin (Montreal, Canada) (completed)

Client : Christina Esteban

A serene retreat nestled in the picturesque landscapes of Montreal, This cozy cabin features sustainable materials and panoramic windows, blending modern comfort with natural beauty. **See completed project - loriginenord (on instagram)**

2. Skii Resort (Canada) (being constructed)

Client : Anpen Hospitality Corp

A luxurious ski resort located in the heart of Big White's renowned slopes. This project combines contemporary design with rustic elements, providing guests with comfort and breathtaking views.

3. Bartenora House interior design (Israel)

Client : Amir Rozen

Residential design showcases modern architecture with high-end finishes. Featuring state-of-the-art amenities, and meticulous attention to detail.

4. Gani Apartment interior design (Israel)

Client : Amir Rozen

Situated close to the beach, the interior design blends coastal charm with modern elegance. Featuring airy, open spaces and natural materials, this project creates a seamless indoor-outdoor living experience connected with ocean.



2



3



4



5

5. Mesabihulini House interior design (Kuwait)

Client - Taneja Tanya

This project features rich Middle Eastern styles with intricate patterns and luxurious finishes for the clients house interior renovation.

6. Saad House Exterior Alteration (Dubai) (Proposal)

Client : Saad Al Zuabi

A modern facelift with sleek lines and updated materials, enhancing the facade and functionality.

7. Saad House Interior Design (Dubai) (Proposal)

Client : Saad Al Zuabi

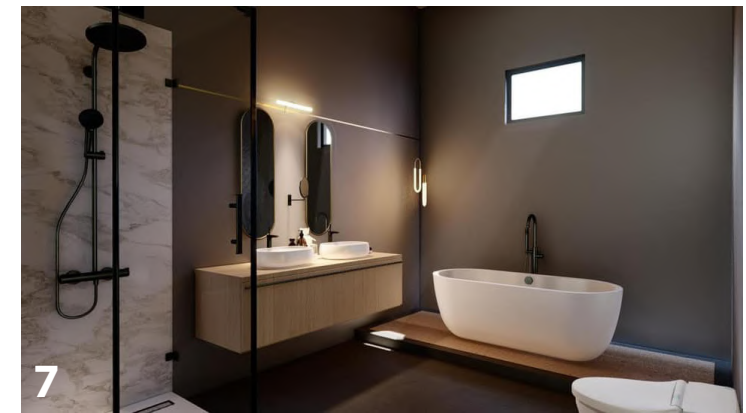
8. Proposed BeachBar (Playa de Carla Sardinia, Spain)

Client : Isabella Cruz

Renovation of an old and abandoned beach hut into an open beach bar designed for Sardinia beach in Spain.



6



7



8

Final thoughts

As I reflect on my journey through architecture, I am filled with a sense of accomplishment and excitement for the future. I am passionate about creating spaces that inspire and enhance the lives of those who use them. Moving forward, I am eager to continue learning, growing, and contributing to the field of architecture. **Thank you for taking the time to review my portfolio.** I look forward to the opportunity to collaborate and create impactful designs.

Jay Johnsge
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jjohnsge@gmail.com