



Diego Rojas ARCHITECT

virtual reality developer | 2019



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UNITED KINGDOM, SCOTLAND | 2018



dr

DIEGO ROJAS CHILEAN ARCHITECT SINCE 2014
B.I.M. Architecture

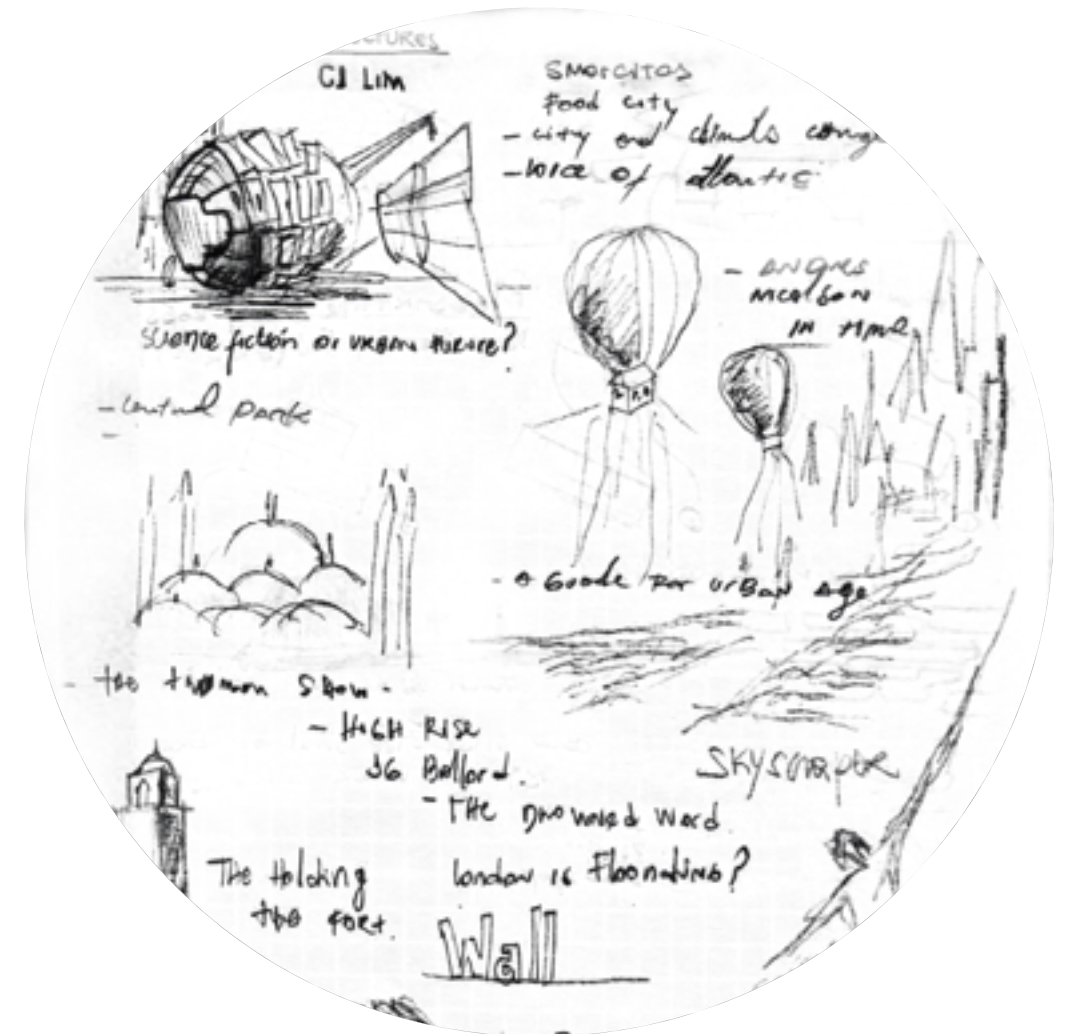
In the following portfolio, there are three categories of projects. The first looks at "Personal Projects", where I was the main architect of the project with a direct relationship with the client.

The second category is "Assistant Architect of projects", showing projects where I acted as the Assistant Architect in projects for companies. My role was to be responsible for the design department and development of virtual reality.

Finally, the last category is "3D Skill", showing some renders from the different projects developed over time.

It is important to highlight that all projects in this portfolio were developed with Archicad of Graphisoft.

Most projects are located within Osorno, in Chile.



These sketches show my continuing concern to register each idea, understand the concepts and to dialogue with the client or other architects and professionals.

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PERSONAL PROJECTS

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ASSISTANT ARCHITECT OF PROJECTS

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3D SKILL

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01_ Ríos Ellenberg's House



04_ Industrial Offices



04_ Strip Center and Showroom Land Rover and Volvo



05_ Showroom Ford



03_ Juksan 01



03_ Juksan 02



02_ Matapiojo Lodge

Chile

Santiago, Capital

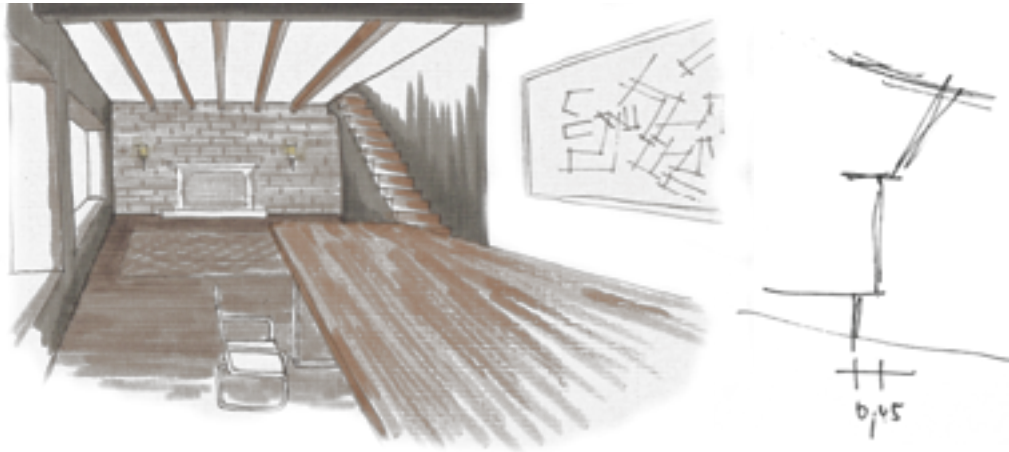
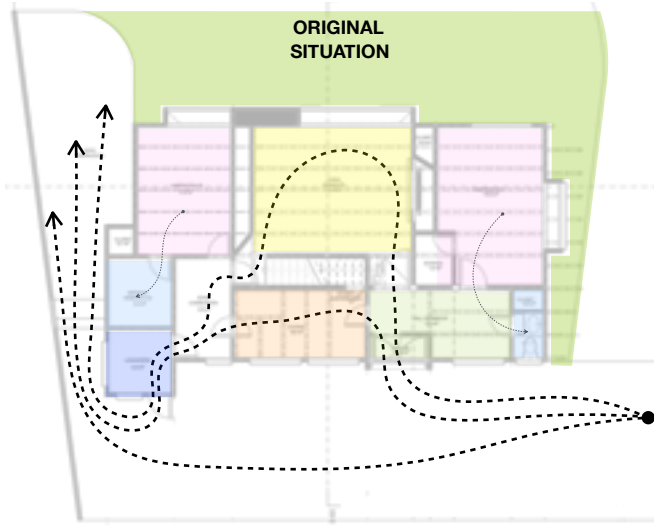
Osorno, X Region

Puerto Montt, X Region

Futaleufú, X Region

SINGLE FAMILY HOME

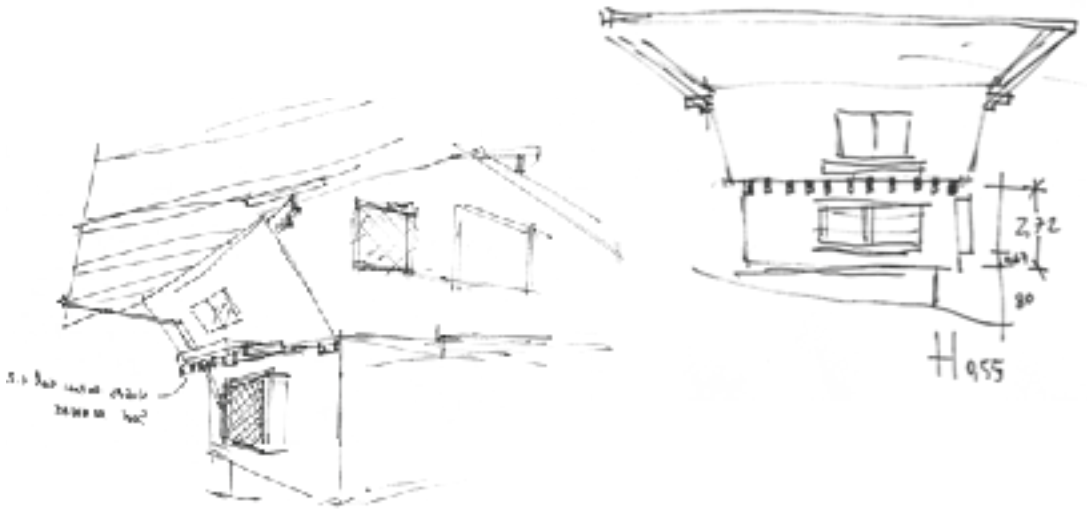
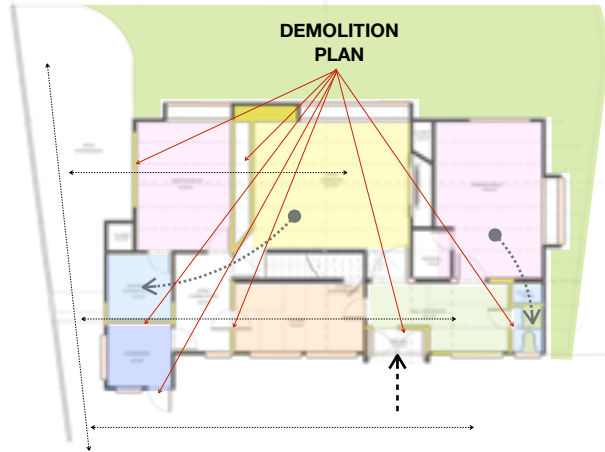
Ríos Ellenberg Family



SKETCH LIVING DINING ROOM - FIRST PROPOSAL



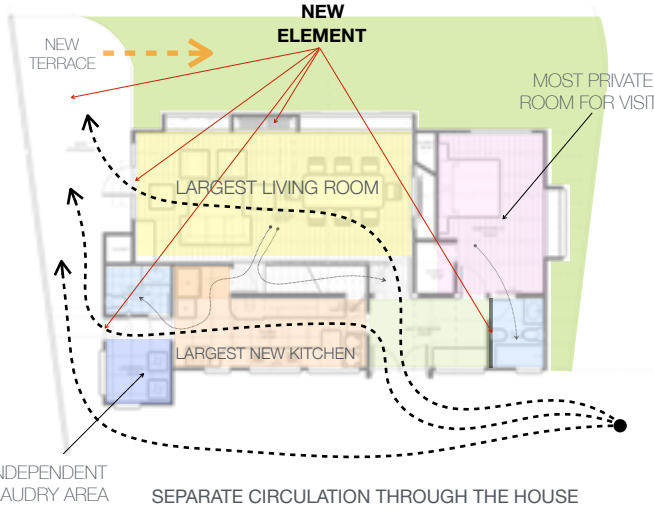
MODEL OF INFORMATION



ANALYSIS OF THE HOUSE WITH SKETCHES



ORIGINAL SITUATION



ORIGINAL SITUATION

SINGLE FAMILY HOME

Ríos Ellenberg Family

Architect: Diego Rojas
 Rol: Director
 Company: Deweek Chile Ltda.
 Category: Personal project

Location: Osorno, Chile
 Square meters: 160m²
 Year: 2016/17

This house was designed for a young couple with a baby. Originally this house was designed by Carlos Buschmann, national prize of Chilean architecture in 1979. The house was for himself, and was built in 1968. The project involved modifications to the general functional structure of the house with the aim of adapting its operation to the current needs of the new family. In addition, the materials were improved through the whole house. Finally, the aesthetics and the exterior character of the house was successfully maintained without major modifications.



Original ground floor



Original first floor



Ground floor, Proposal



North Elevation



West Elevation



South Elevation



East Elevation



Section One



Section two



First floor, Proposal

SINGLE FAMILY HOME

Ríos Ellenberg Family

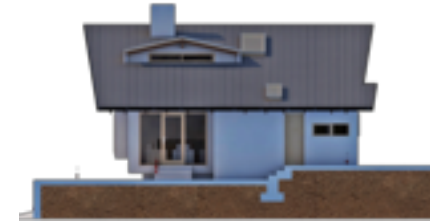
Here, we can see some images of the proposal. This consisted mainly of the demolition of a wall that separated two small areas on the main floor. In addition to this expansion of the space, a new door connected the space to the front garden yard, allowing the possibility of revitalising an old, unused area, forming a wide and modern outdoor terrace with barbecue. You can access this area from the new living room, allowing full integration into everyday use.



East Elevation



North Elevation



West Elevation



South Elevation



New Living view - proposal



New Terrace night view - proposal



Demolition plan - First floor



Demolition plan - Second floor



New Terrace day view - proposal



New Dining room view - proposal

SINGLE FAMILY HOME

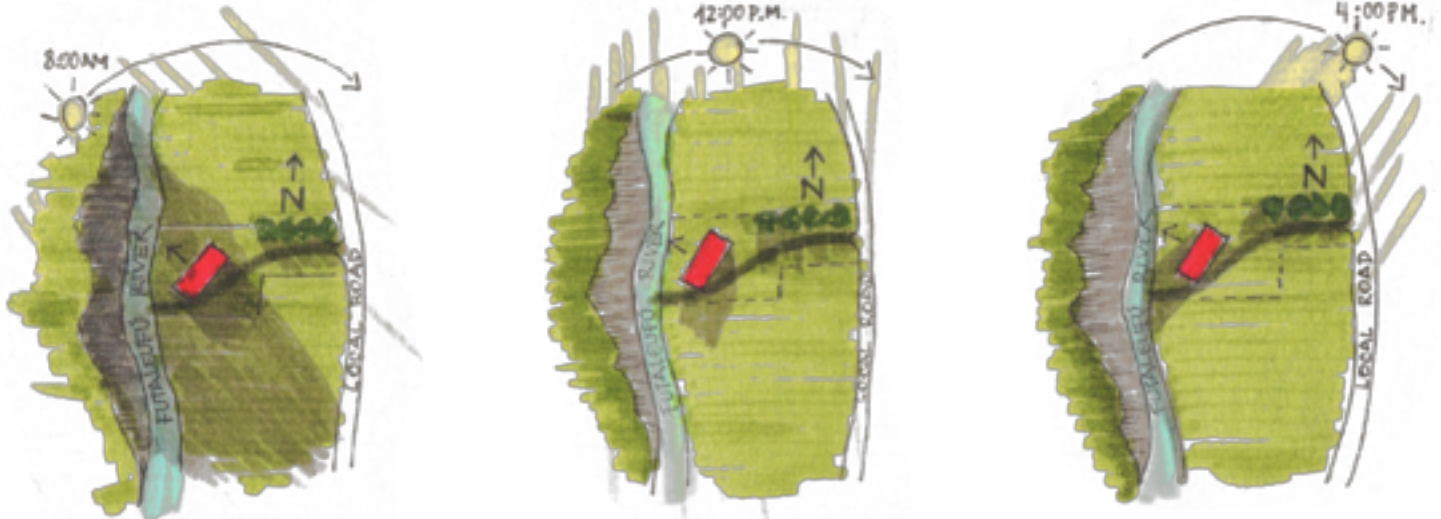
Ríos Ellenberg Family



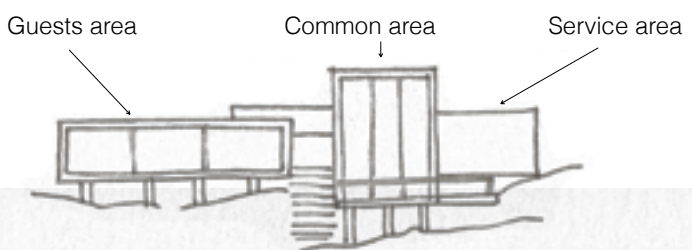
Finished project view - Dining and living room

MATAPIOJO LODGE

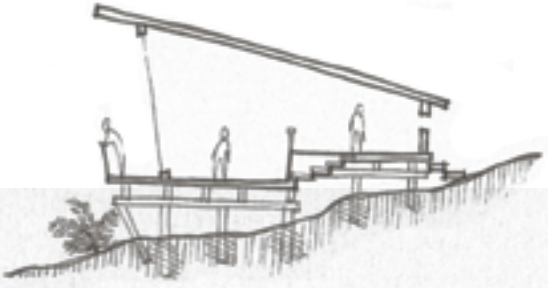
Catch and release - Fly fishing



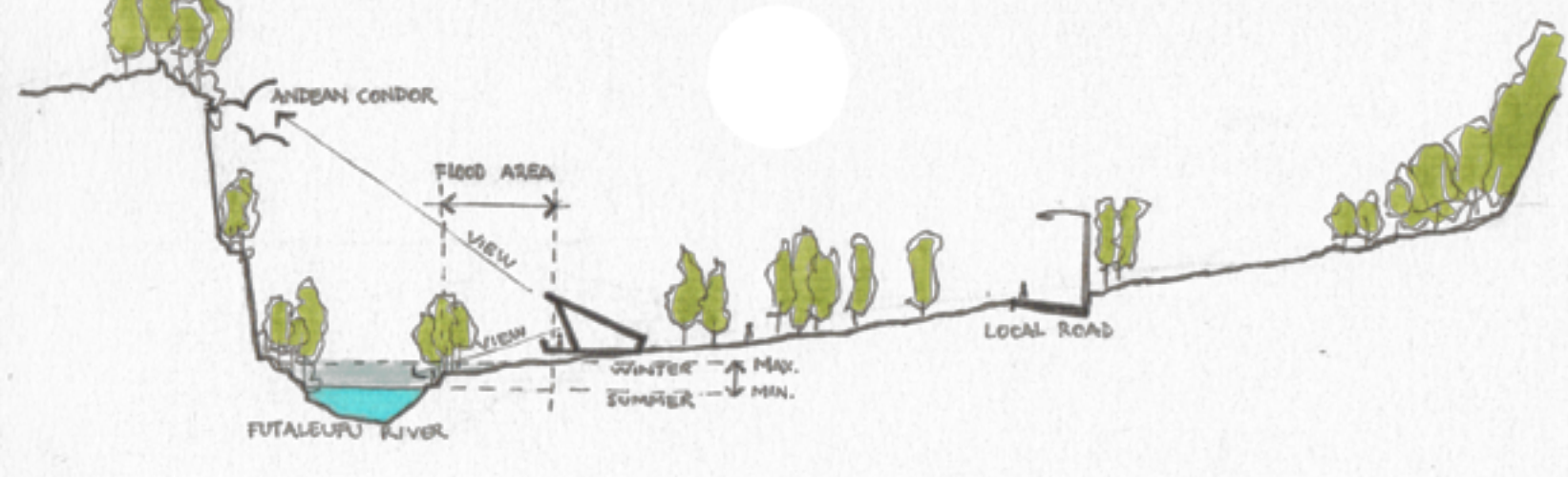
Solar condition of the place - summer



General concept



Common area concept



Location proposal analysis



MATAPIOJO LODGE

Catch and release - Fly fishing

Architect: Diego Rojas
Rol: Director
Company: Deweek Chile Ltda.
Category: Personal project

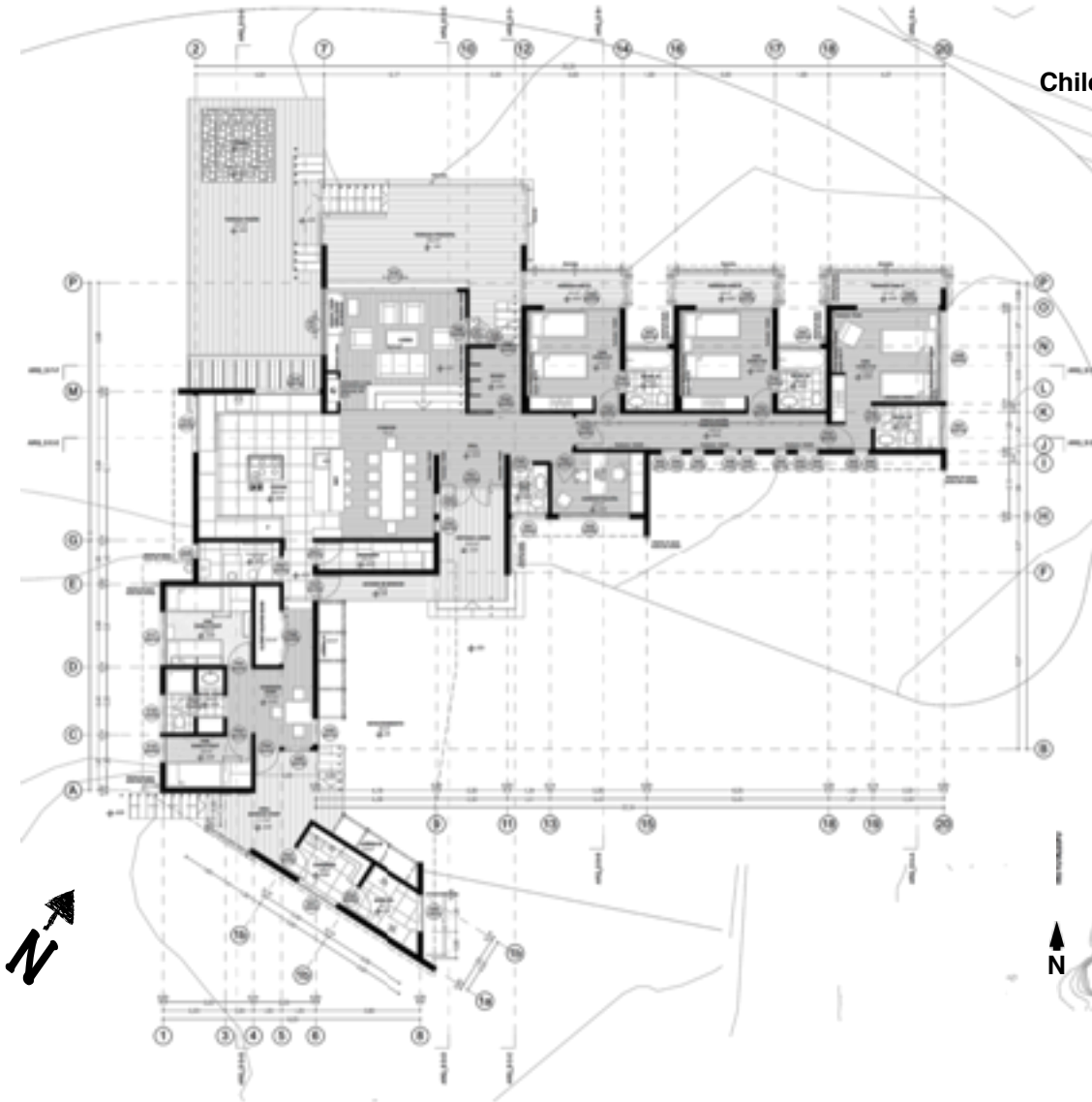
Location: Futaleufú, Chile
Square meters: 300m²
Year: 2015/16



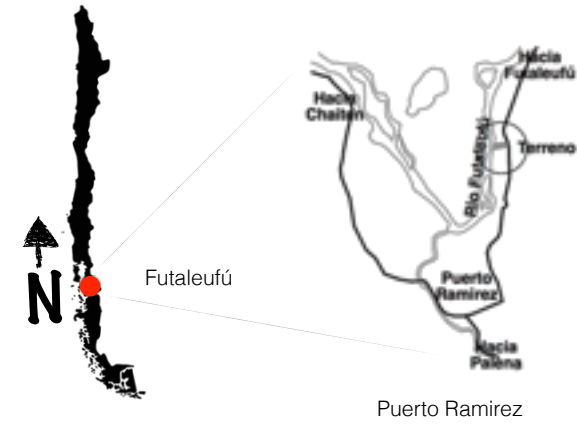
This project, Matapiojo Lodge, is located on the beautiful lands of Patagonia, next to the Futaleufú river. Our client needed a space to lodge different customers that enjoy nature and wished to catch and release trout, coming from all world to visit Patagonia. Therefore the project needed to mix local architectural values with a concept for people with global lifestyles, that are looking for quiet in rural places around the world.



Sketch first idea.



Main floor, Proposal



Chile

Puerto Ramirez



Location

MATAPIOJO LODGE

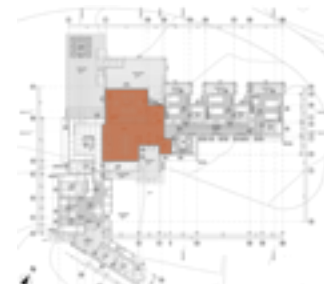
Catch and release - Fly fishing

The project has a complex layout that contains four zones. The main zone is the 'Living and the bar' - this is a communal space, where the customers can meet and share a beer or rest after of long day of fishing.

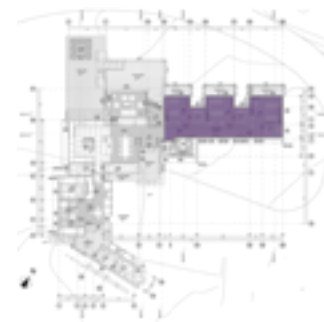
The second zone looks at the 'rooms' and is where customers sleep and leave belongings. These are three rooms that are equipped with two beds and one toilet with a shower room.

The third zone is divided into two areas, the 'kitchen and staff residency', here the Lodge have the equipment for navigating the river and to explore nature through hiking.

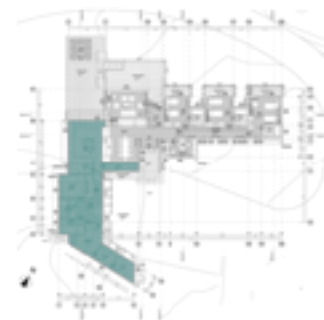
The last zone is an outdoor area where the customers can meet up, and has two big terraces. One has a balcony next to the common interior space, and from there you can reach the final terrace with a barbecue space and a fire pit zone, where you can sit and relax with a glass of beer and good music.



Zone 01 - Common Space



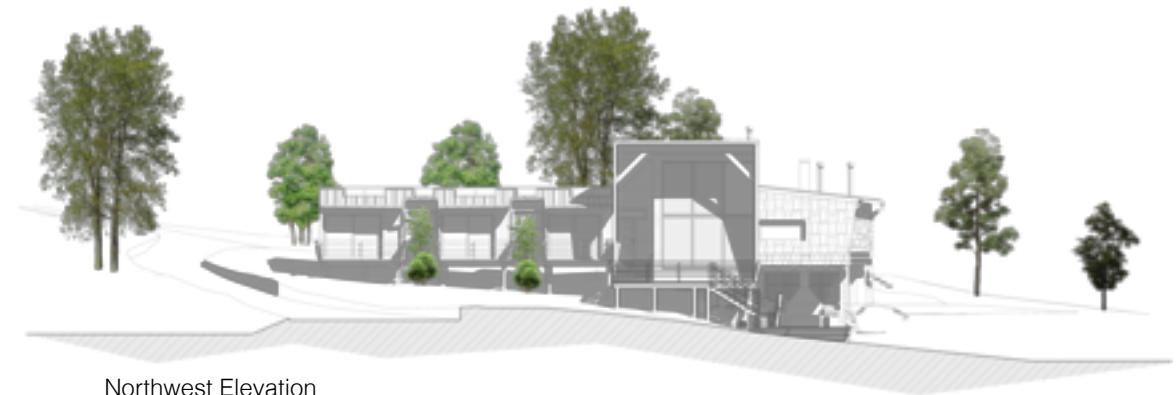
Zone 02 - Rooms



Zone 03 - Staff residence and Kitchen



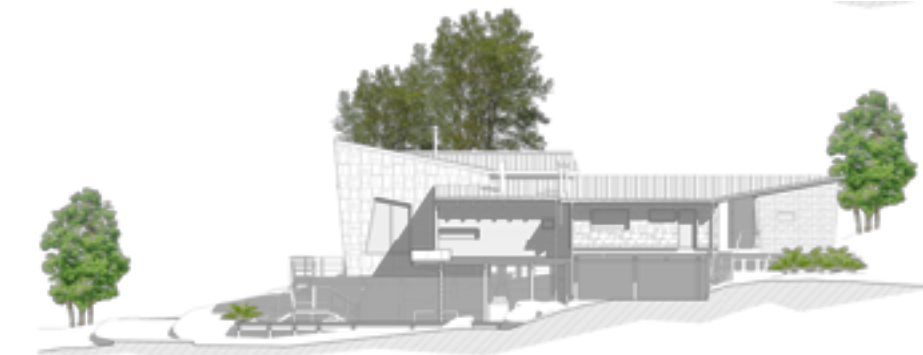
Zone 04 - Terrace



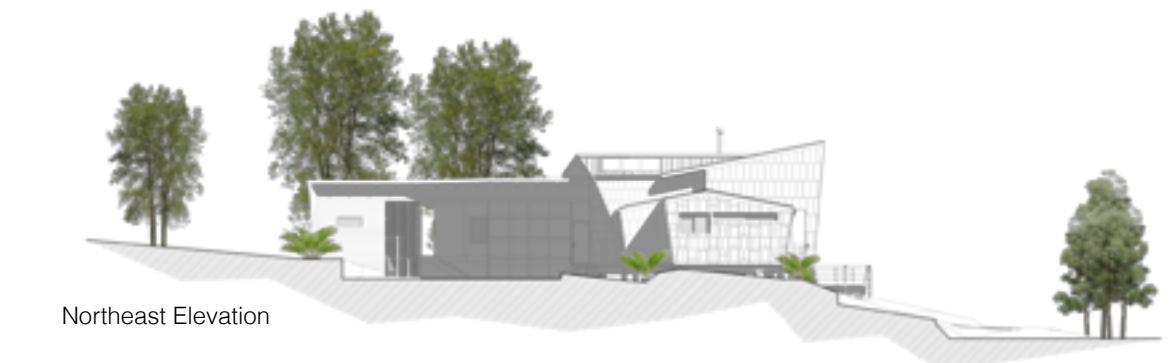
Northwest Elevation



Southeast Elevation



Southwest Elevation



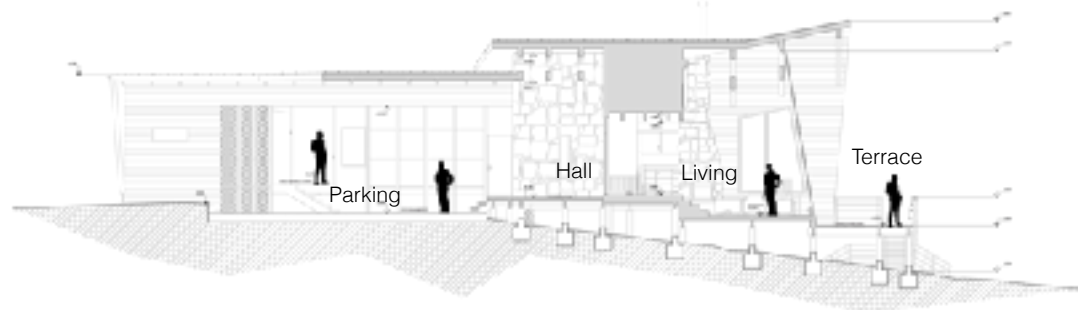
Northeast Elevation



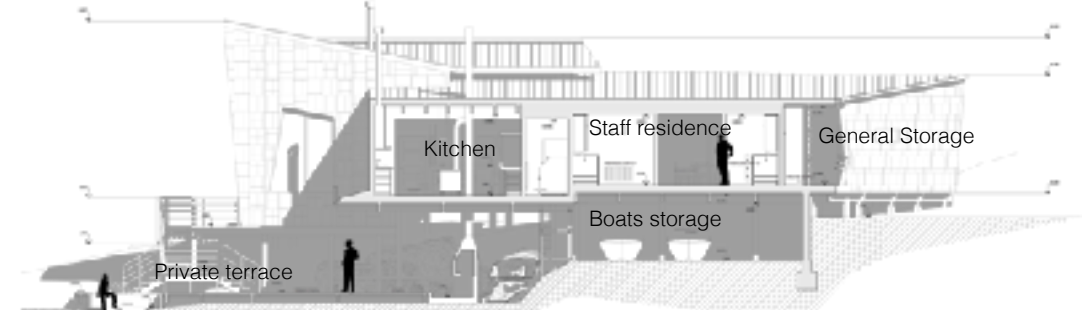


MATAPIOJO LODGE

Catch and release - Fly fishing



Section through common area



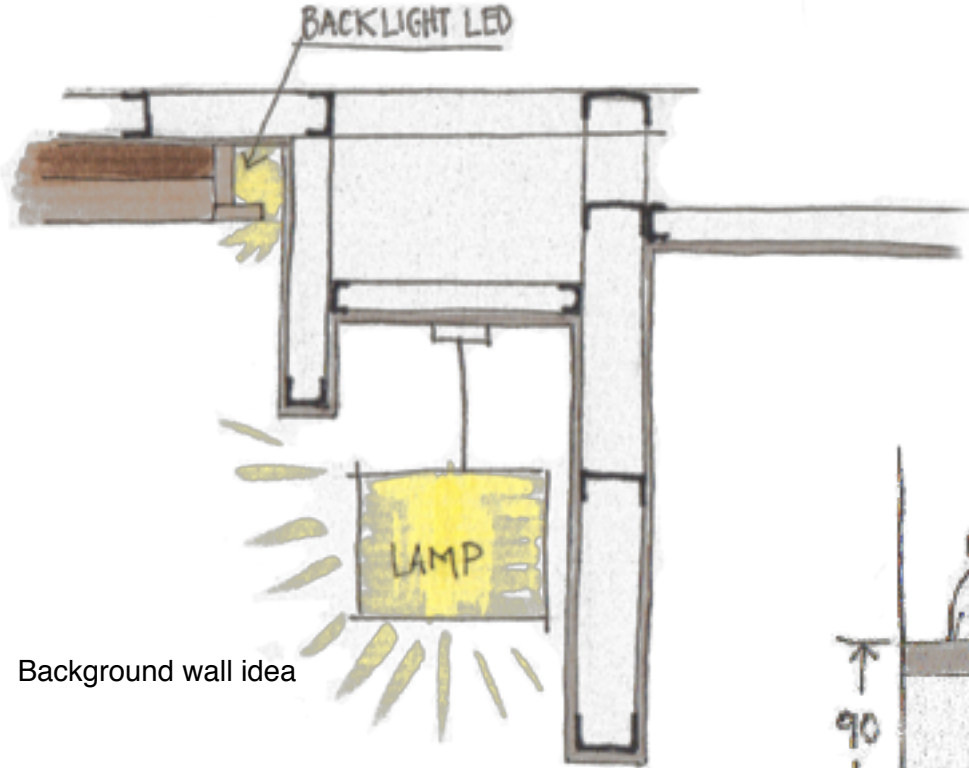
Section through Service area

[View proposal project](#)

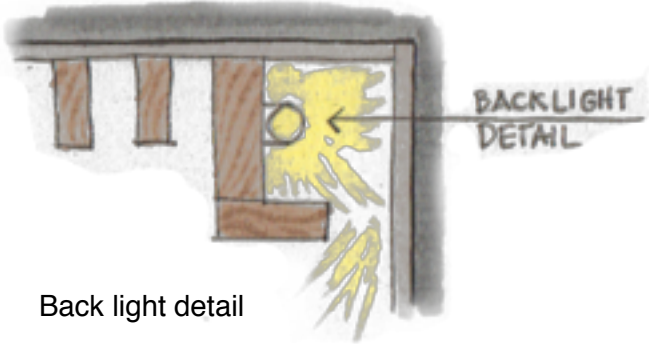


JUKSAN I

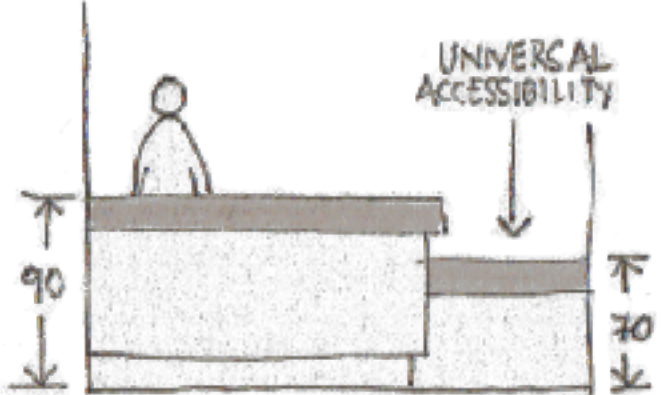
Oriental Food



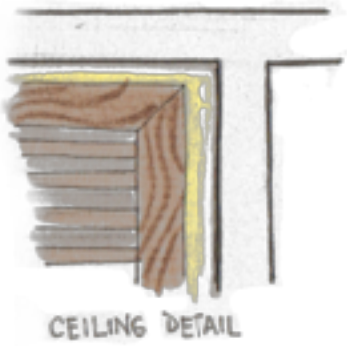
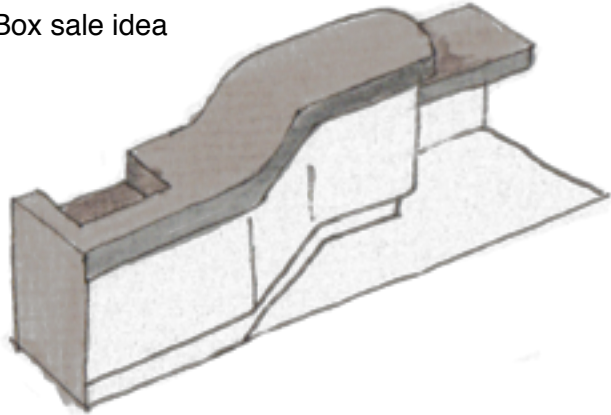
Background wall idea



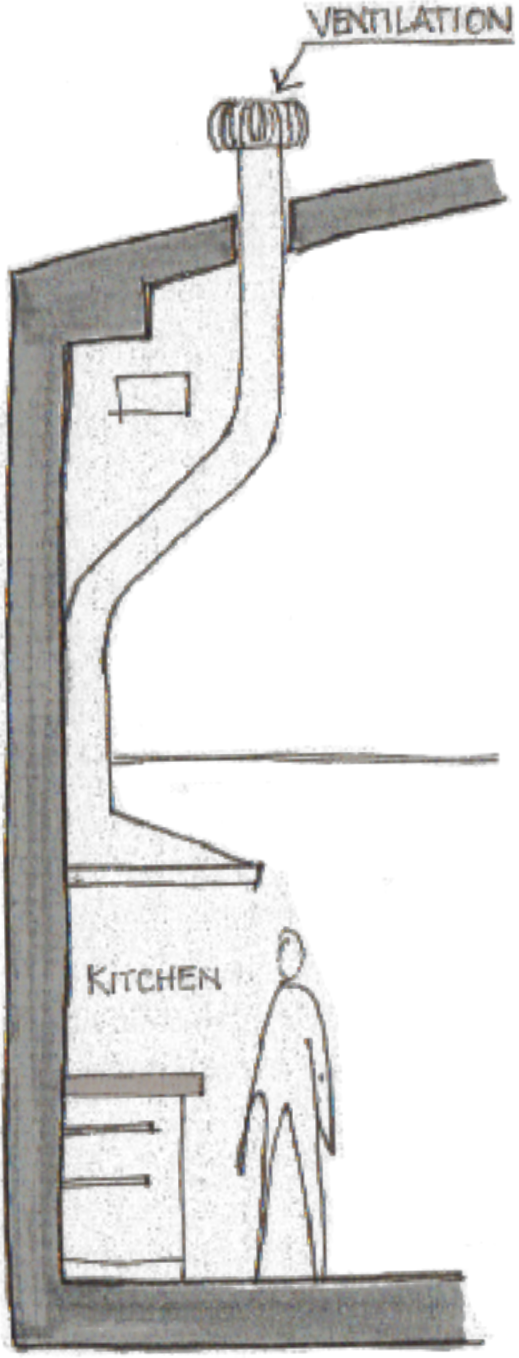
Back light detail



Box sale idea



Ceiling proposal



Ventilation concept

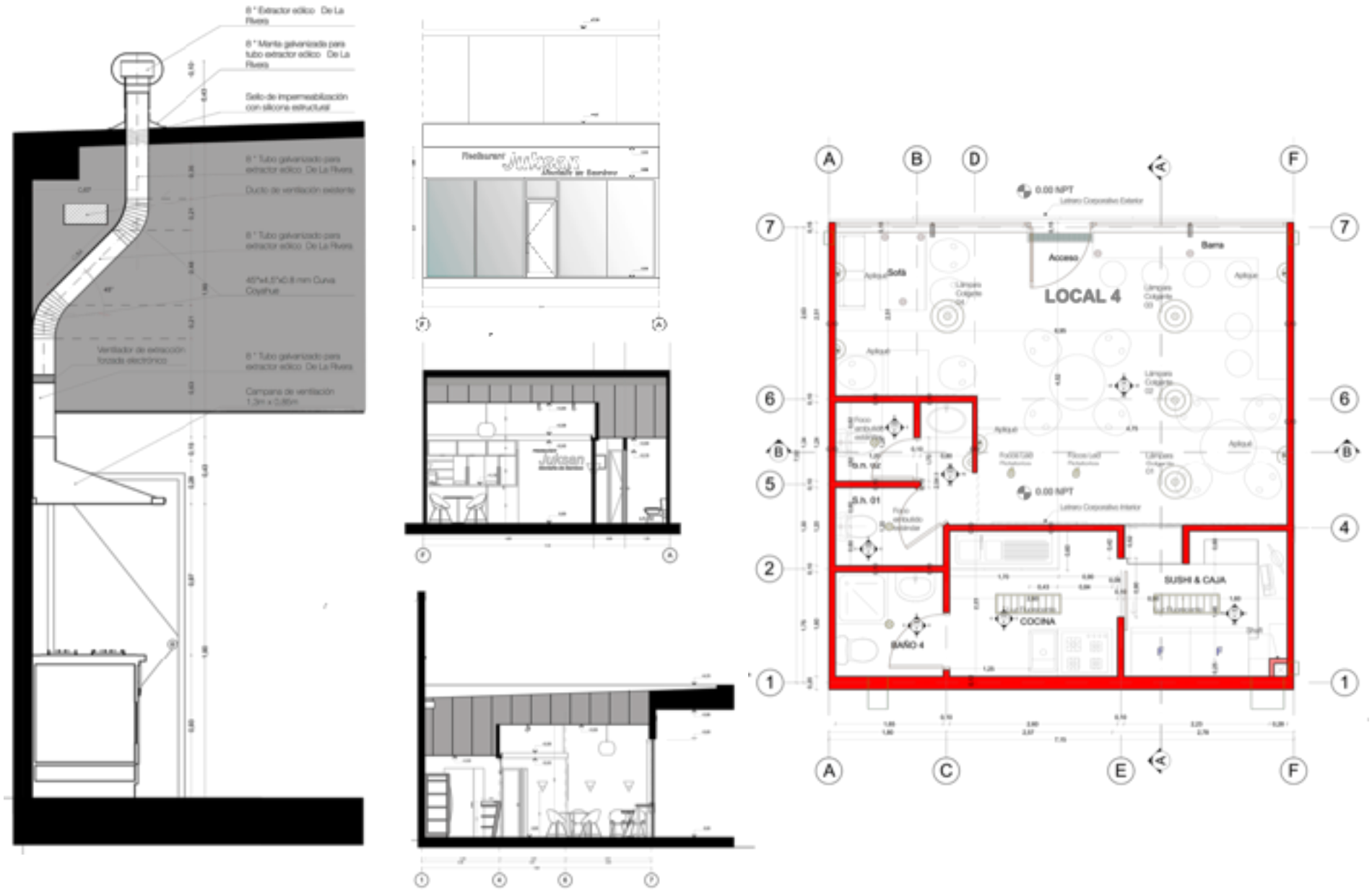
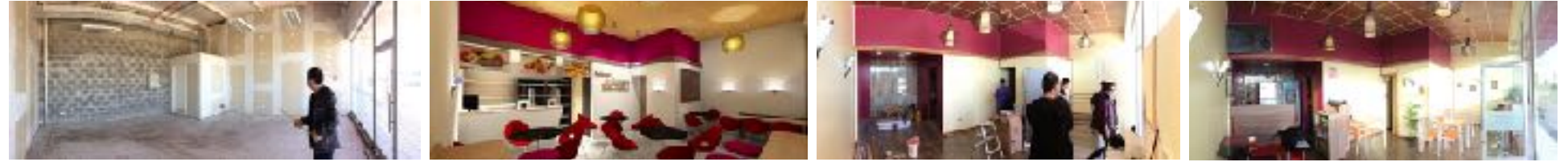
JUKSAN I

Oriental Food

Architect: Diego Rojas
 Rol: Director
 Company: Deweek Chile Ltda.
 Category: Personal project

Location: Puerto Montt, Chile
 Square meters: 50m²
 Year: 2016

In the first meeting with our client, we understood that this project needed a developed of architecture and their corporative image because with this project our client started his business. So, the propose was very simple, in the same meeting we went to recognise the space to the project, that was completely empty, the second process was talking about the idea on the space and his future clients. These subjects were very important to develop the project. In fourth meeting, the propose was finished, considered for the proposal, two new toilets, a kitchen, and a space for sale the different products and the big area to eat in the same place. All of this in 50 square meters.



JUKSAN I

Oriental Food



Original space



Proposal



In progress



Finished Project

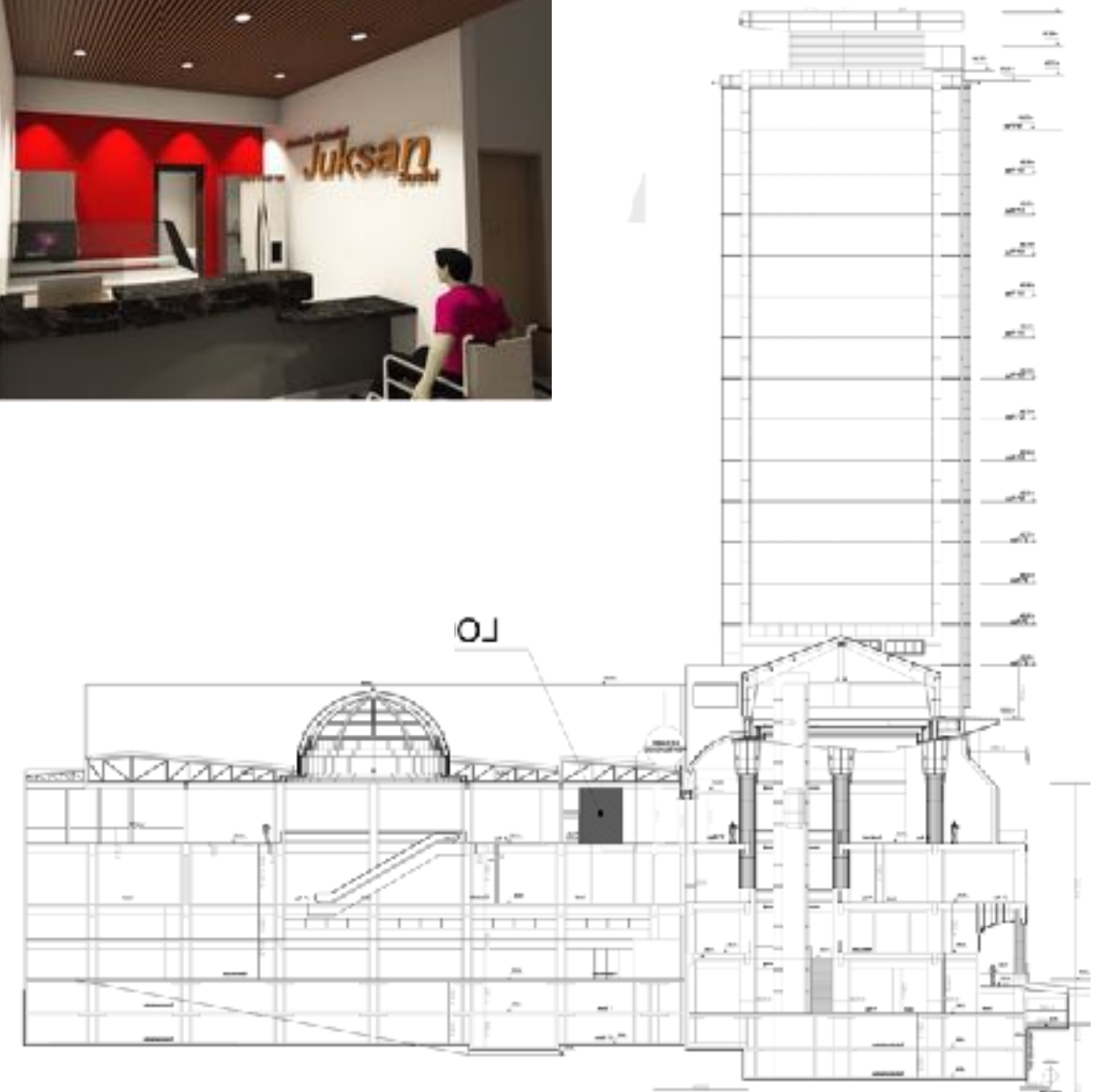
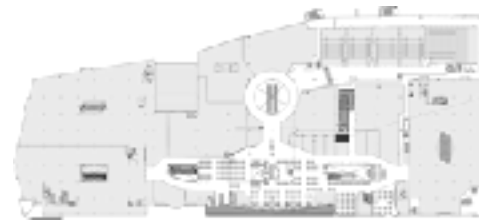
JUKSAN II

Oriental Food

Architect: Diego Rojas
Rol: Director
Company: Deweek Chile Ltda.
Category: Personal project

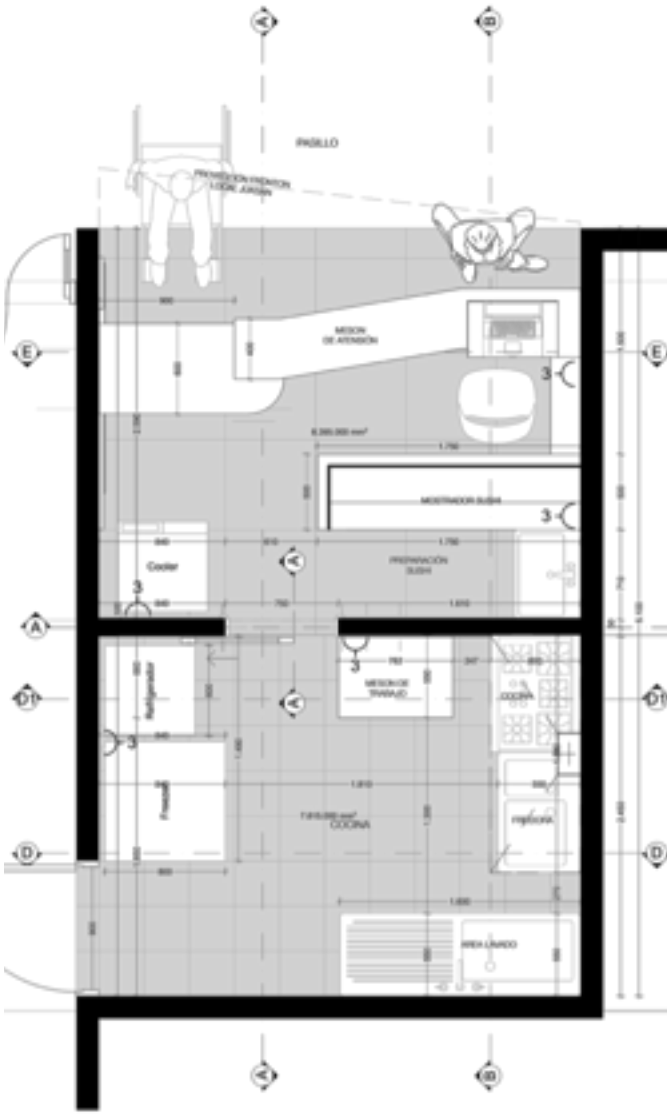
Location: Puerto Montt, Chile
Square meters: 20 m²
Year: 2016

This small project was designed in a big shopping centre located in the town of Puerto Montt, Chile. The first challenge was to follow and respect the regulations of the shopping centre - they had a committee for evaluating each new project within the shopping centre. The second challenge was to develop a unique design concept for the oriental food company. It was a great opportunity this was a small project, as we were able to develop an interesting proposal, looking particularly at detailed design.



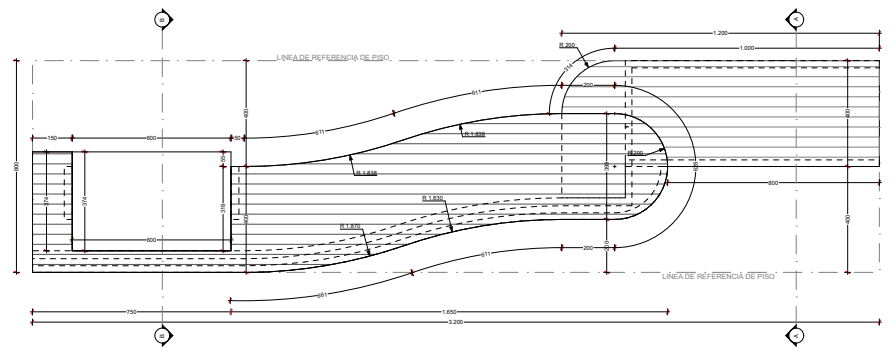
JUKSAN II

Oriental Food

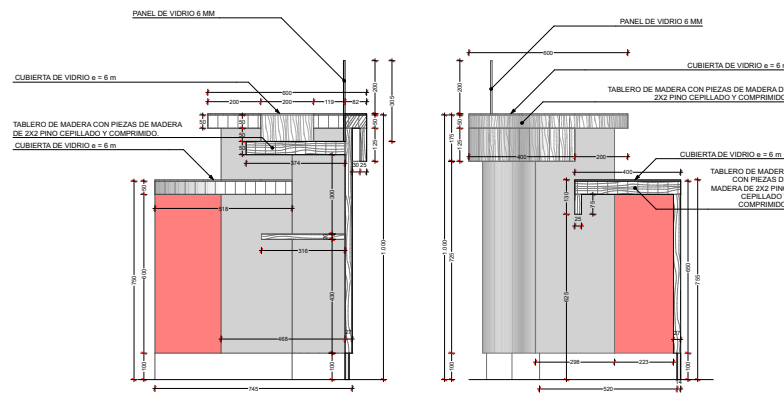


JUKSAN II

Oriental Food Payment box

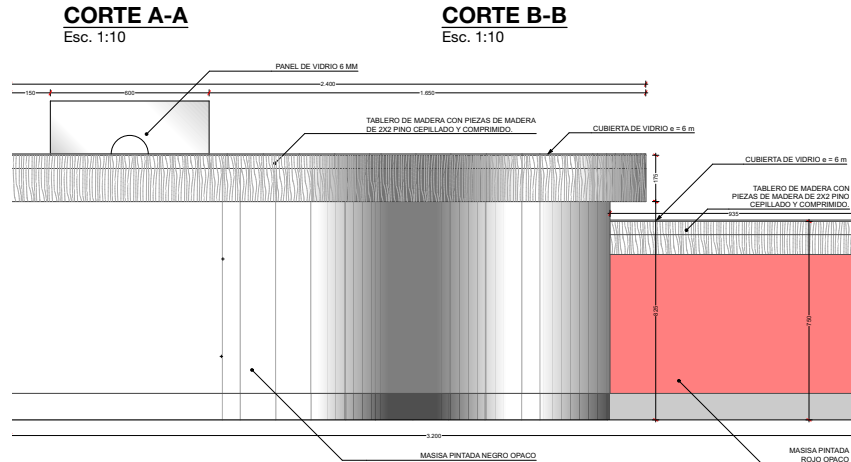
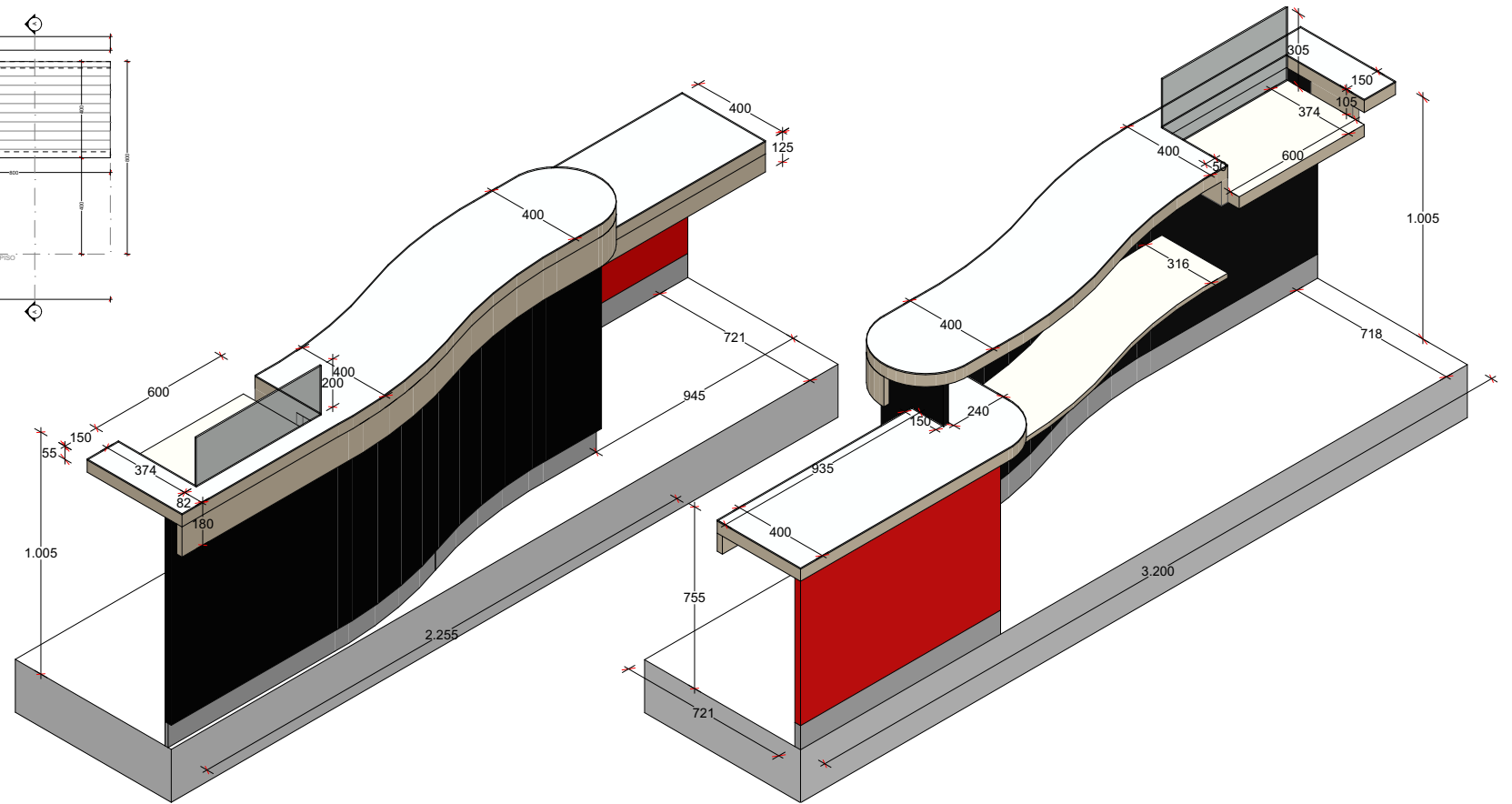


PLANTA MUEBLE VENTAS
Esc. 1:10

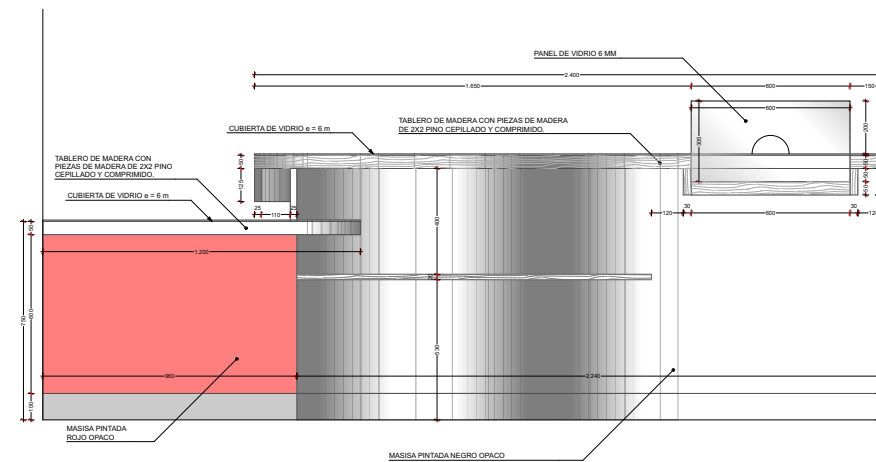


CORTE A-A
Esc. 1:10

CORTE B-B
Esc. 1:10



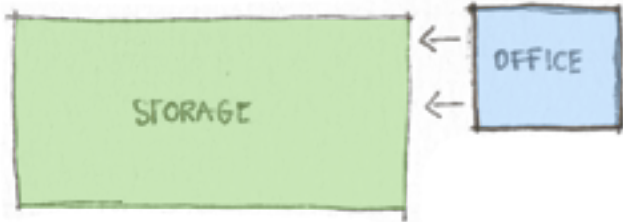
ELEVACIÓN FRONTAL
Esc. 1:10



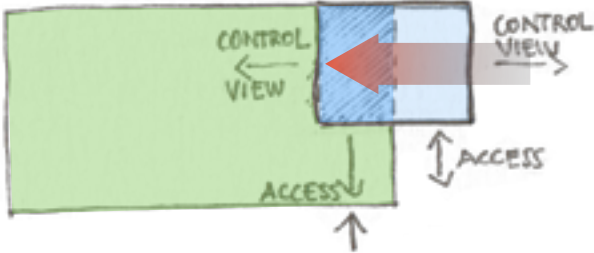
ELEVACIÓN POSTERIOR
Esc. 1:10

INDUSTRIAL OFFICES

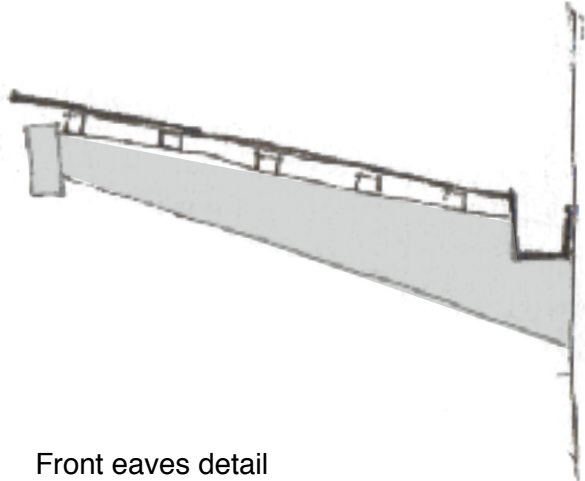
Storage



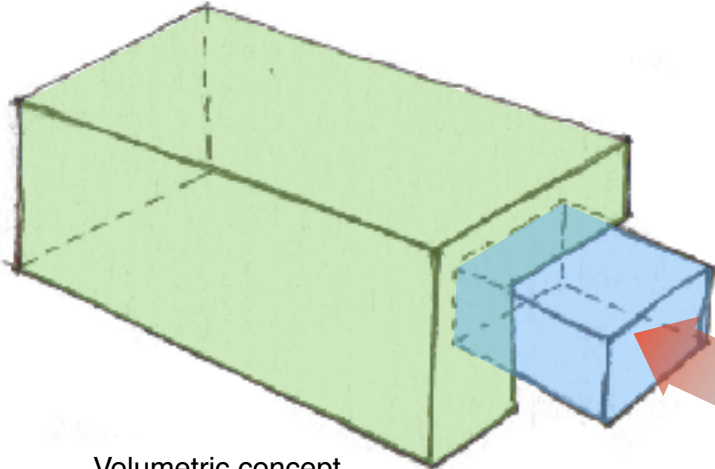
Volumetric concept



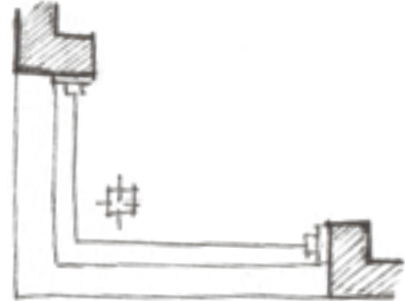
Assembly



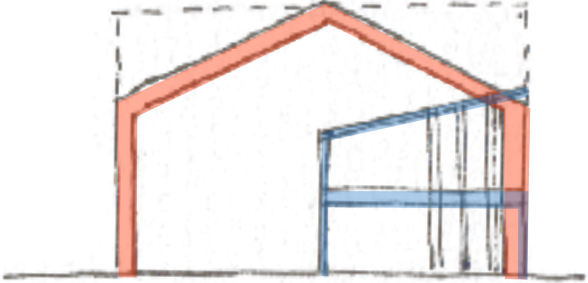
Front eaves detail



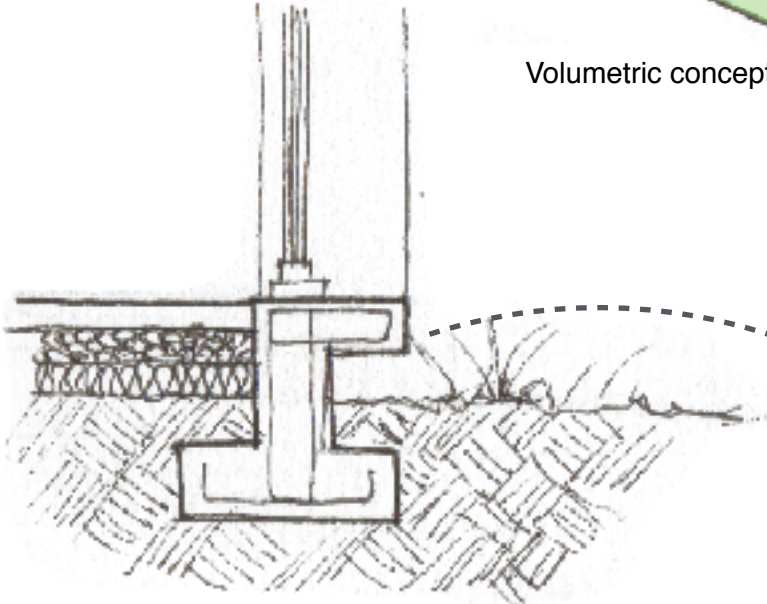
Volumetric concept



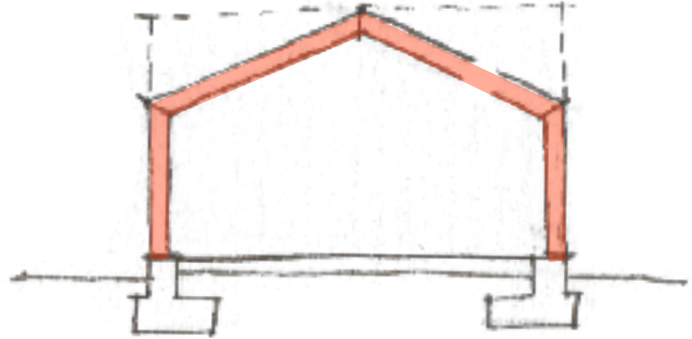
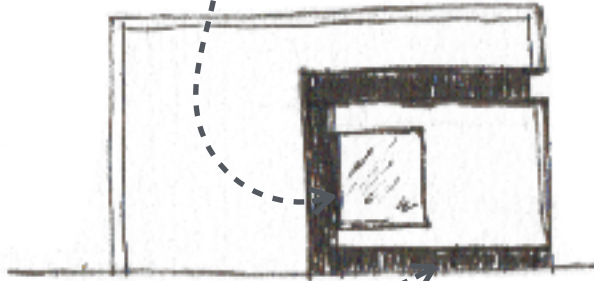
Corner windows detail - sketch



Structure concept



Sketch office volume



Structure concept

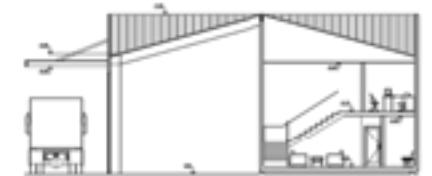
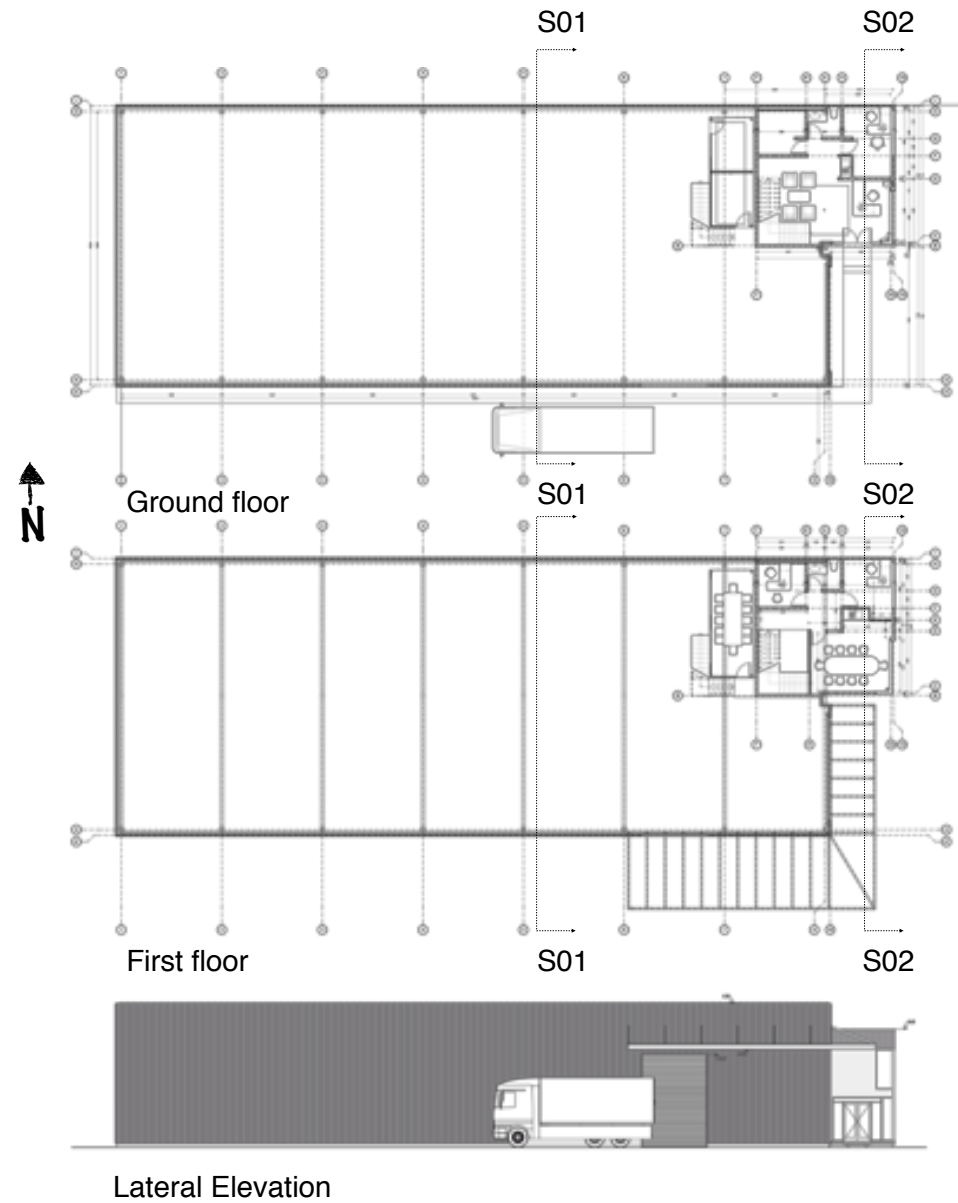
INDUSTRIAL OFFICES

Storage

Architects: Diego Rojas, Hugo Yáñez, Claudia Romero.
 Rol: Architecture design
 Company: Romero&Yáñez Arch's
 Category: Assistant Architect

Location: Osorno, Chile
 Square meters: 5.200m²
 Year: 2016

This project is a modular project completely developed on Archicad, it is a standard design for large industrial business.



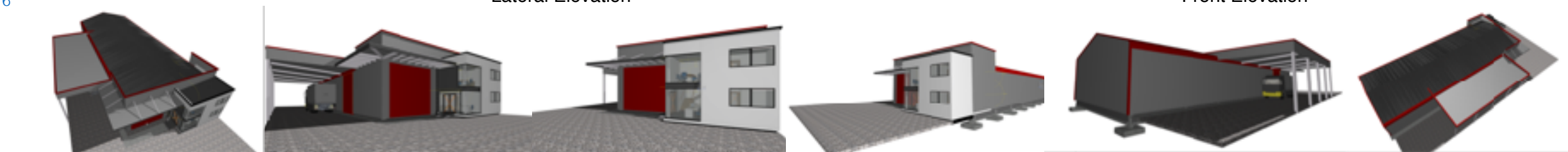
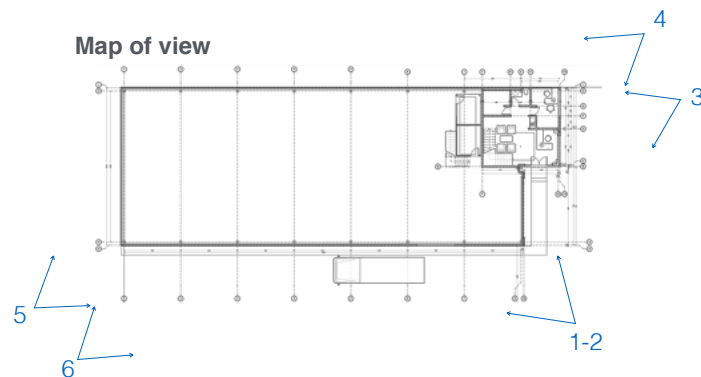
Section 01



Section 02



Front Elevation



View 01

View 02

View 03

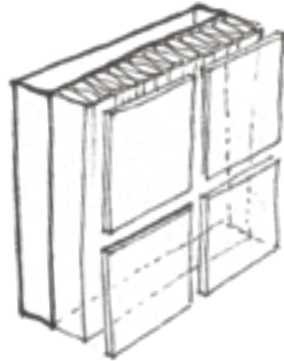
View 04

View 05

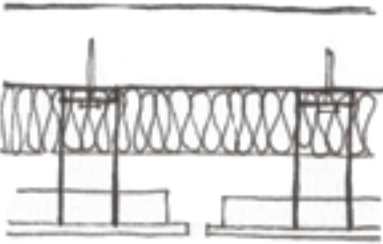
View 06

FORD'S SHOWROOM

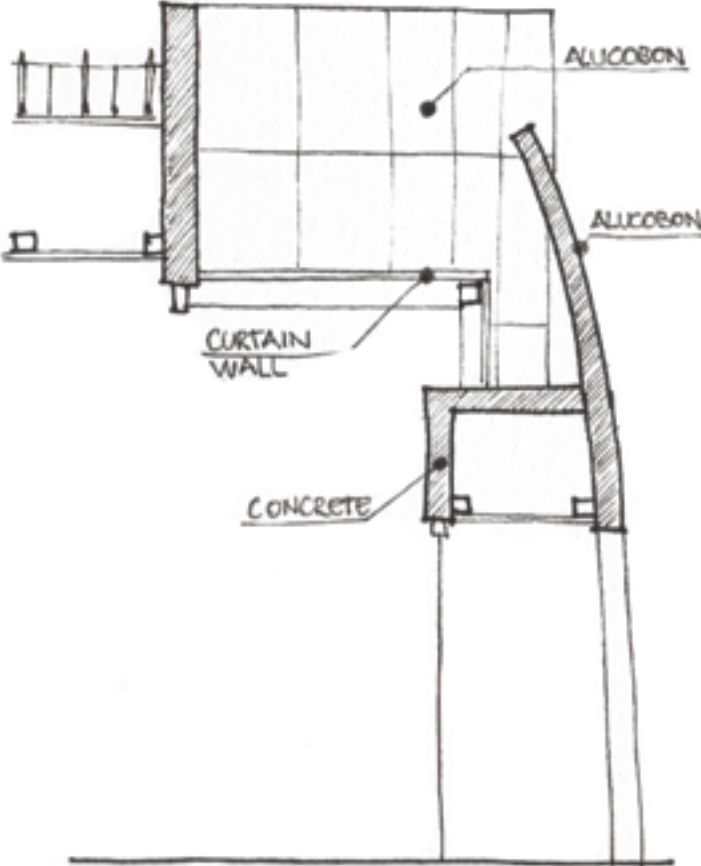
Car Store



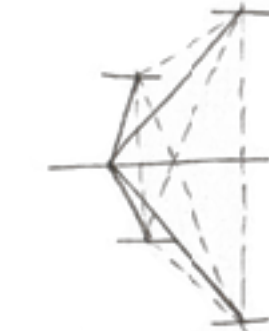
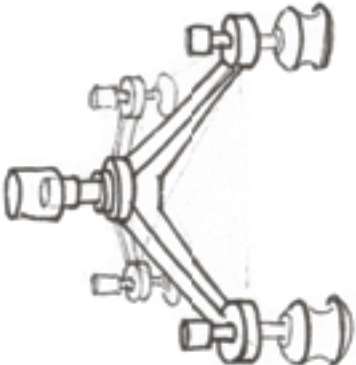
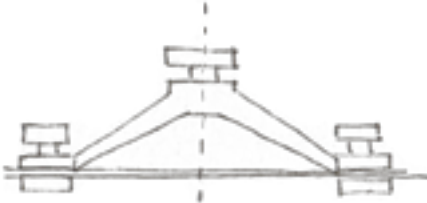
Alucobond panels sketch



Alucobond panel section sketch



Access section idea



Curtain wall connectors

FORD'S SHOWROOM

Car Store

Architects: Diego Rojas, Hugo Yáñez, Claudia Romero.

Role: Architecture design and visualization

Company: Romero&Yáñez Arch's

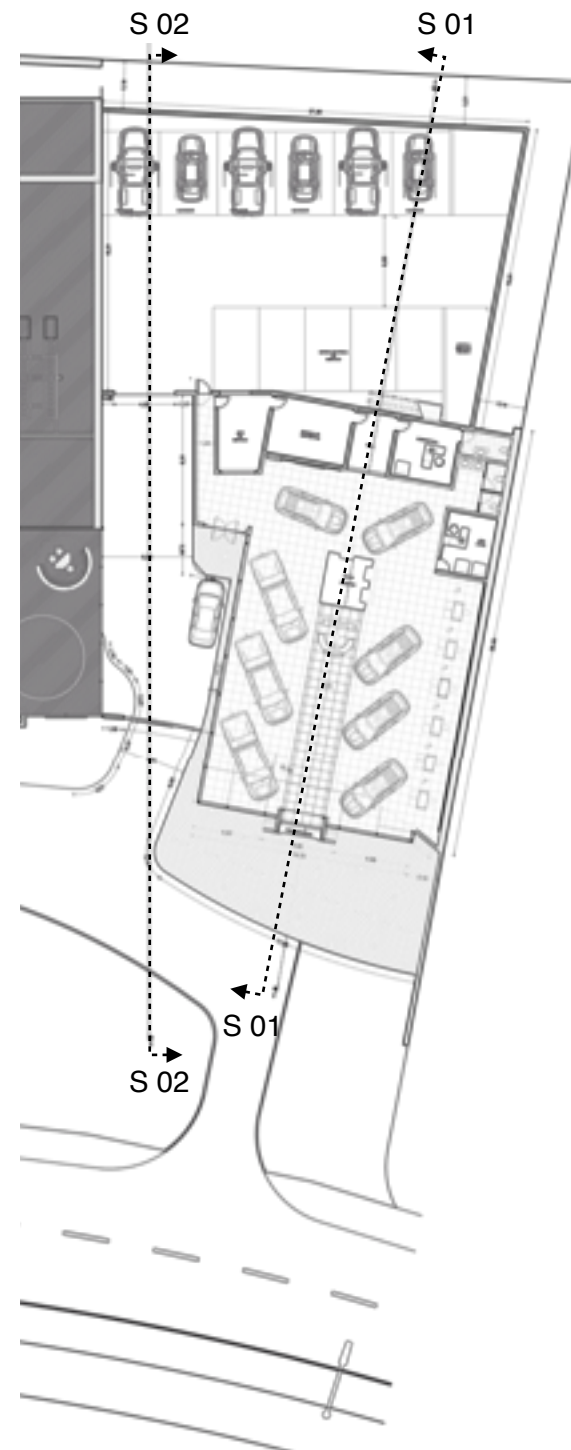
Category: Assistant Architect

Location: Osorno, Chile

Square meters: 1,350m²

Year: 2016

This project is a new show room of Ford's Car Company, and it was designed with the global standard parameter of Ford Company, with high tech solutions. It was also fully developed on Archicad.



Ground floor



Front Elevation



Location



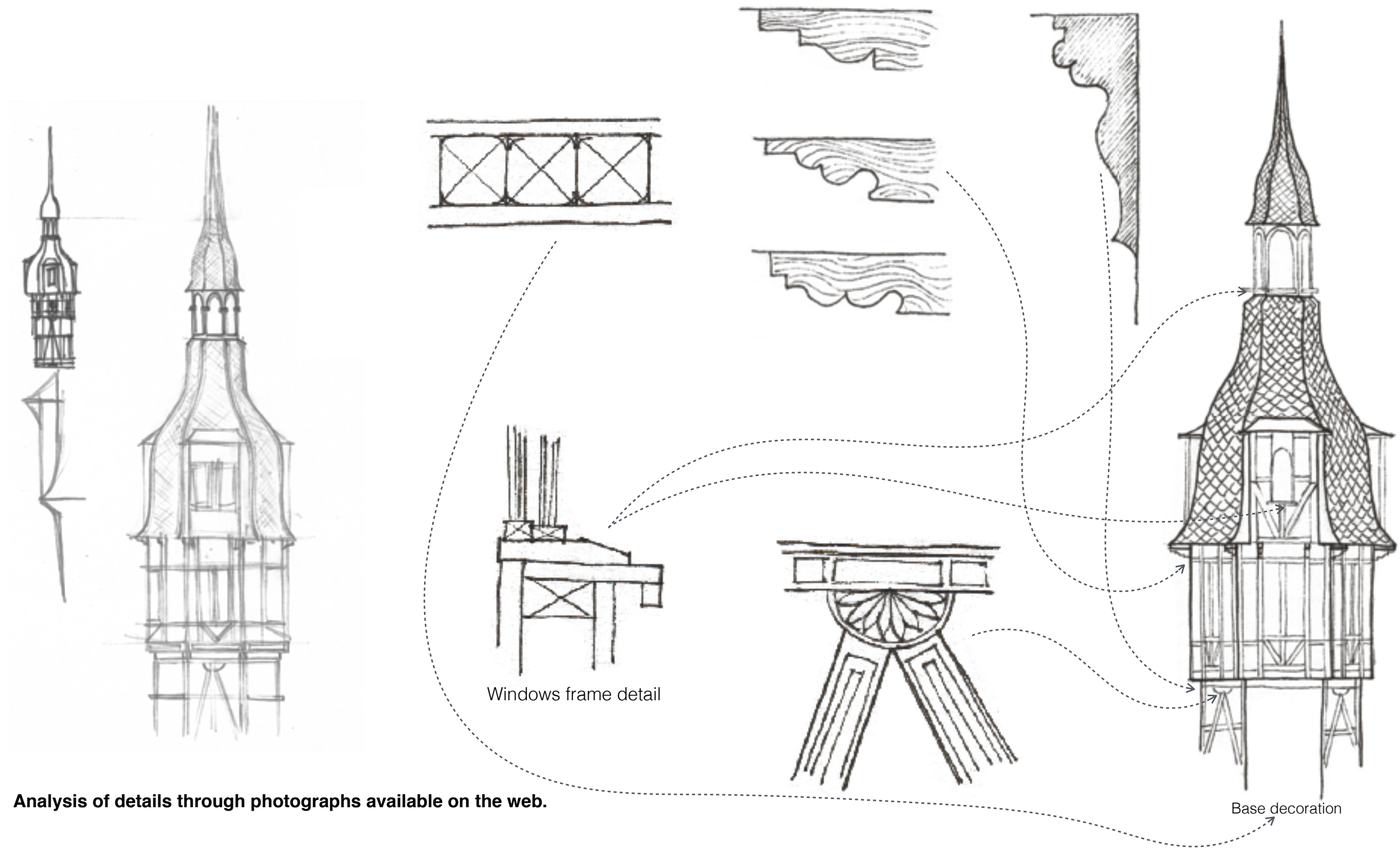
Section 01



Section 02

PELEȘ CASTLE

Virtual Development 3D



Analysis of details through photographs available on the web.

PELEȘ CASTLE

Neo-Renaissance

Architect: Diego Rojas,
Rol: 3d modelling and analysis
Company: Deweek Chile Ltd
Category: Personal academic study

Location: Sinaia, Romania
Square meters: 3,200 m²
Original Architects: Johannes Schultz
Carol Benesch
Karel Liman

Year: 1914
Year 3D Model: 2018

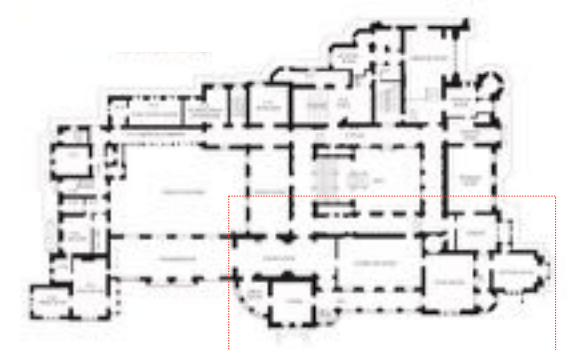
The purpose of the development of the Peles Castle locate in Romania was to show 3D skills through a virtual reconstruction of a historic building, in a process of restoration or remodelling. The focus in the Castle was the corner tower since it represents an important characteristic shown throughout the rest of the project.



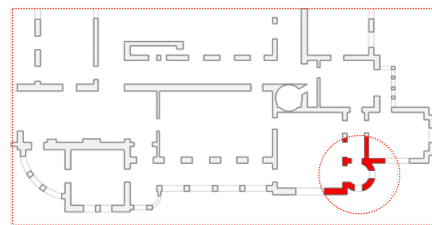
Location: Romania



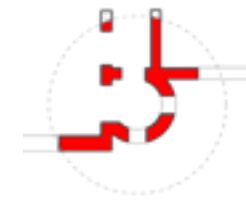
Location: Sinaia



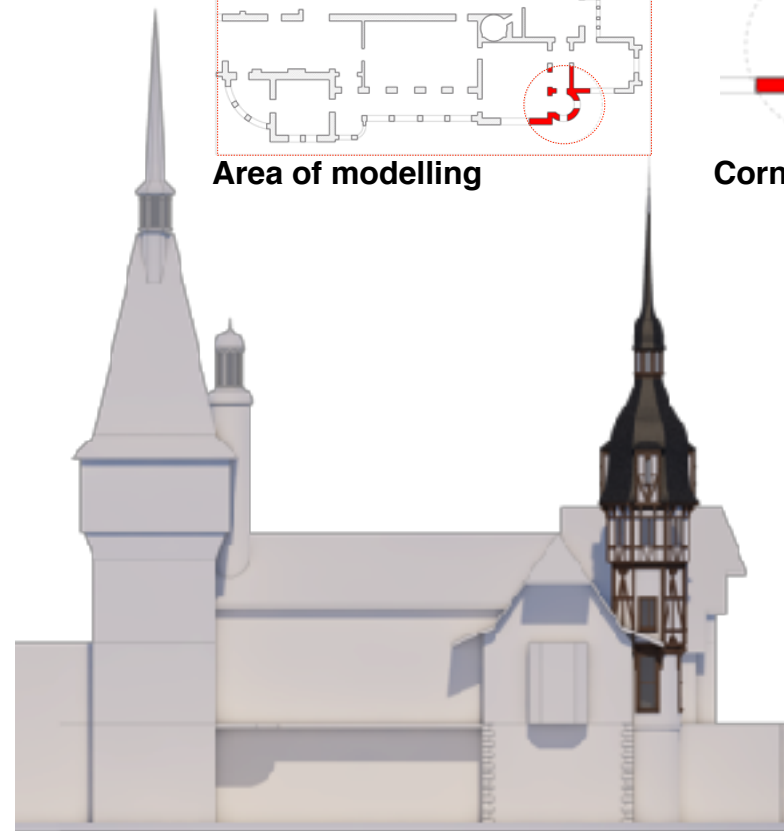
Ground Floor



Area of modelling



Corner tower detail



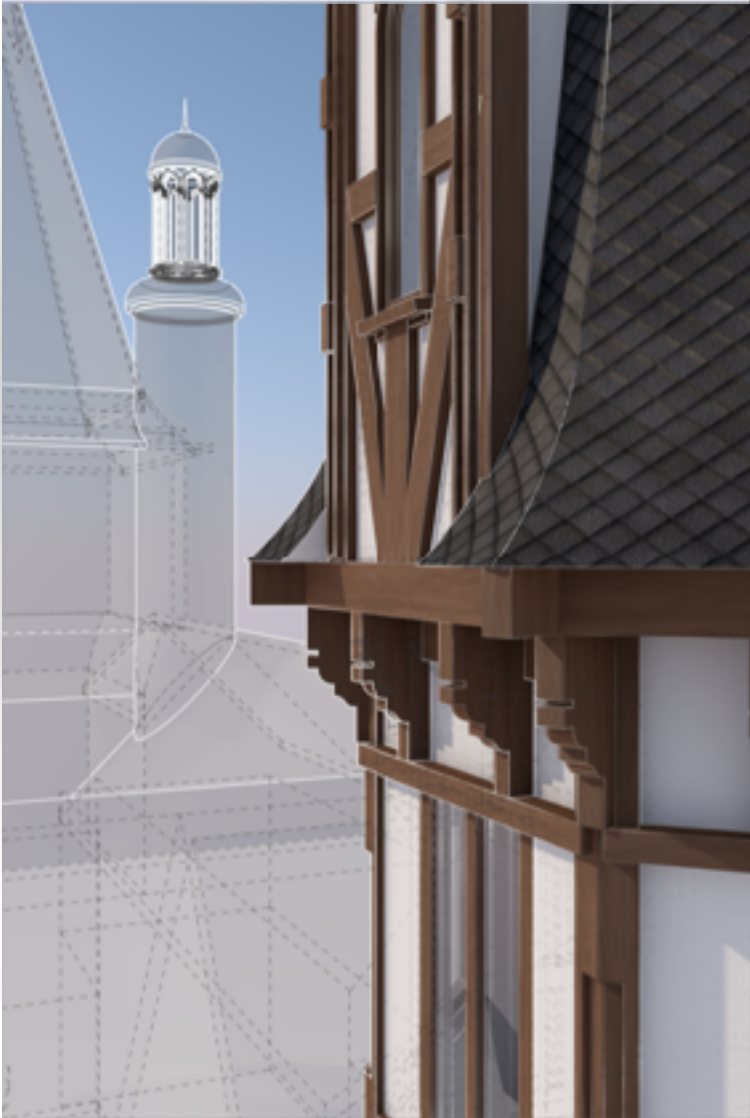
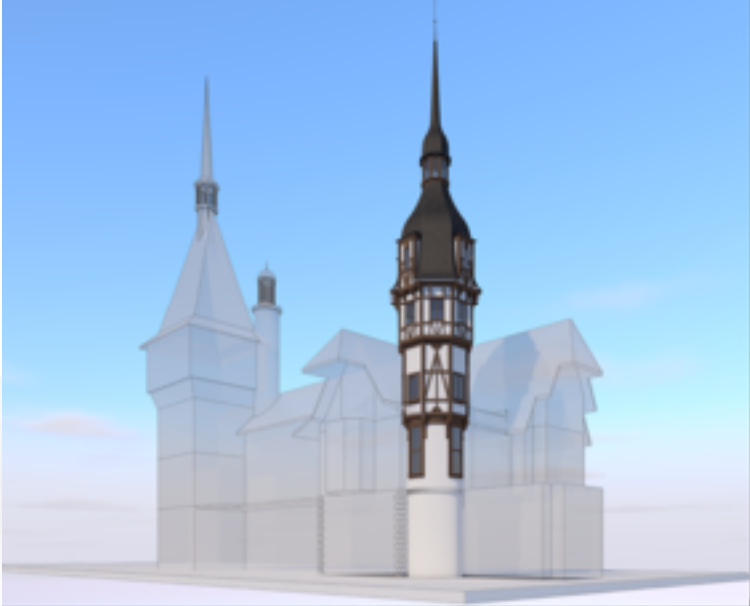
South Elevation (front)



Photographs available on the web

PELEȘ CASTLE

Virtual Development 3D



3D SKILL

2015 to 2017

In this section, you can see diverse projects developed alongside other architects from Chile. All these projects are built.

The images represent 3D skills but were part of the complete process of each project, where I was an architect.

All of the projects in this portfolio were developed using Archicad, and some renders were developed with 3D Studio Max & V-Ray.





KINCHO - OSORNO - CHILE

ARCHICAD + 3DS MAX + VRAY





ARCHICAD + 3DS MAX + VRAY

KUNSTMANN'S BEER OFFICES-OSORNO-CHILE



ARCHICAD + 3DS MAX + VRAY

STRIP CENTRE-OSORNO-CHILE



ARCHICAD + 3DS MAX + VRAY

MULTIFUNCTIONAL OFFICES-OSORNO-CHILE



LAKE'S HOUSE-PUETO VARAS-CHILE

ARCHICAD + 3DS MAX + VRAY



ARCHICAD + 3DS MAX + VRAY

LAKE'S HOUSE-PUERTO VARAS-CHILE



ARCHICAD + 3DS MAX + VRAY

LAKE'S HOUSE-PUERTO VARAS-CHILE



LAKE'S HOUSE-FRUTILLAR-CHILE

ARCHICAD + 3DS MAX + VRAY



LAKE'S HOUSE-PUERTO VARAS-CHILE

ARCHICAD + 3DS MAX + VRAY



LAKE'S HOUSE-PUERTO VARAS-CHILE

ARCHICAD + 3DS MAX + VRAY



INDUSTRIAL PARK-PUERTO MONTT-CHILE

ARCHICAD + 3DS MAX + VRAY



INDUSTRIAL PARK-PUERTO MONTT-CHILE

ARCHICAD + 3DS MAX + VRAY

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UNITED KINGDOM, SCOTLAND | 2018

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