

JULIO VIEJO



Architecture Portfolio 2025

INDEX

Projects	Page
00. Curriculum Vitae	01
01. Collective Housing Project GSAPP Summer Project / 08.2025	02
02. Kharkov Residential Reconstruction Open Competition / 09.2024	04
03. Micro-Home Open Competition / 05.2024	06
04. Luxembourg - Coworking Space Private Project / 08.2023	08
05. Madrid - Ayala 112 Private Project / 10.2024	10
06. Porto - Church & Parish Complex 5th Year Project / 12.2020	13
07. Formentera - Boutique Hotel 5th Year Project / 06.2021	17
08. UAV Facade-Delivery System Thesis / 06.2021	19

JULIO VIEJO

Email

jv2133@columbia.edu

Phone

+1 (646) 302-7303

Address

New York City, 10025

I am currently enrolled in Columbia University's Master of Science in Advanced Architectural Design at GSAPP.

Throughout my career, after having delved into various fields (construction detailing, structural engineering, and real estate), I now strive to strengthen my parametric design skills as well as my theoretical foundation at GSAPP, and then continue to develop professionally in the US.

EDUCATION

COLUMBIA GSAPP

05.2025 - Present

M.S. in Advance Architectural Design
Expected graduation May '26 - New York City

M.Arch + Master in Real Estate

09.2021 - 12.2022

University of Navarre - Madrid, Spain
IESE Business School

Bachelor of Architecture

09.2016 - 06.2021

University of Navarra - Pamplona, Spain
ERASMUS - Universite de Mons, Belgium - 2020

AWARDS, PUBLICATIONS +

Innovation Factory - 1st Place

05.2021

University Entrepreneurship Competition
Hosted by University of Navarre

IE Entrepreneurship Challenge - 1st Place

12.2021

Open Entrepreneurship Competition
Hosted by IE University in Madrid, Spain.

CICE Revit Course - Madrid, Spain

07.2018

Article: ETFE films - Construction Systems ([Link](#))

Published course work - 2021

Article: UAV's in Dense Residential Areas ([Link](#))

Published paper with faculty
University of Navarre - 2022

LinkedIn Profile: [Link](#)

SKILLS

Main Tools

BIM (Revit / ArchiCAD)

Rhino

AutoCAD

Adobe Suite (Ps, Ai,
Id, Lr, Pr)

Secondary Tools

V-Ray / Enscape

Sketchup

Blender

Grasshoppper

QGIS

Robot (Structural Analysis)

Lumion

D5 Render

LANGUAGES

SPANISH

ENGLISH

FRENCH

GERMAN

EXPERIENCE

BECKER BAU - Architect

02.2024 - 05.2025

Focused on:

Residential design (new construction)
Refurbishment of castles in Luxembourg

Main Skills:

BIM (coordination with engineers)
Architectural plans + renders/illustrations
Construction management
Construction plans and detailing

CBRE - Consultant

09.2022 - 12.2023

Junior Development Program in Madrid, Spain.

Spent 4 months in each of the following departments:

Sales (offices, retail, residential)
Valuations (offices, retail, residential, industrial)
Portfolio Management (retail and industrial)
Industrial Investments' Management

CBRE - Architect Intern

06.2022 - 08.2022

Architectural internship in Madrid, Spain. Focused on:

Office Design + Technical plans
Construction management
BIM modelling (Revit)

FORO Consultores - Consultant

07.2021 - 08.2021

Internship in Madrid, focused on:

Market analysis of residential units for clients

BRUCK + WECKERLE

06.2019 - 08.2019

ARCHITEKTEN - Architect Intern

Summer Internship in Luxembourg. Focused on:

Schools' design and Construction management
BIM (ArchiCad)

COLLECTIVE HOUSING IN NEW YORK

Columbia University

Selected for GSAPP Summer Summit

Typological Housing project inspired
by Steven Holl's Alphabet City

Final model 1/50 scale.

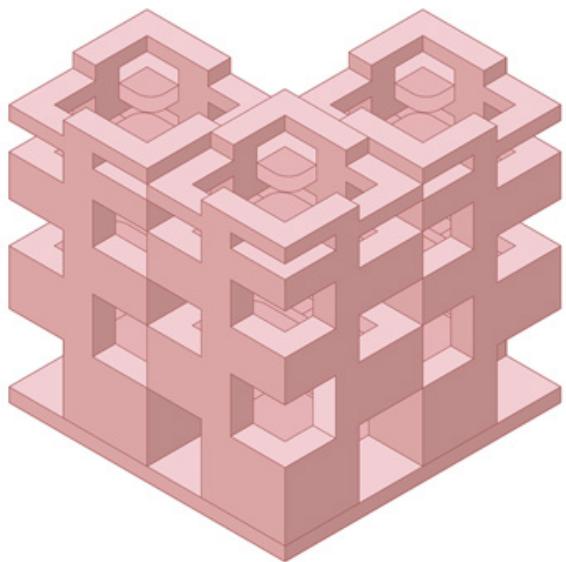
Total height: 6'4"

Base dimensions: 2' x 2'

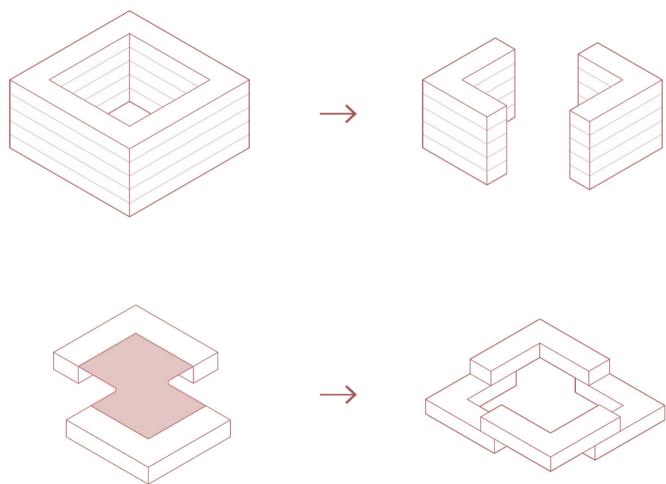
Completed in 2.5 weeks

A non site-specific development,
aimed at augmenting the quality of
life of its residents as well as the city.

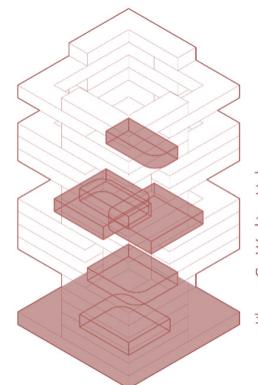
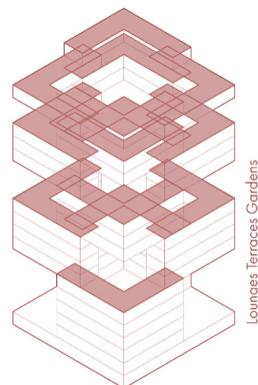
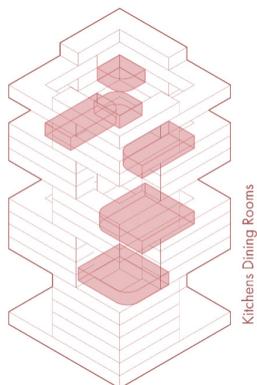
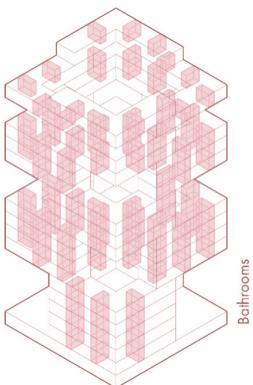




Axonometric View
Reciprocity Between Buildings



Typological Abstraction
'O' Letter Type & Sheared 'L' Type



Axonometric View
Spaces' Distribution



Retractable piece, showing the connection between the private and the public spaces

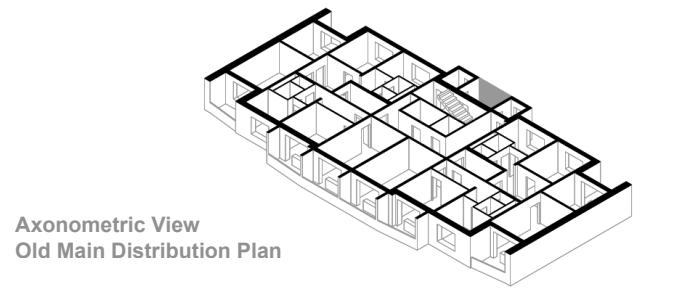


Full model against wall

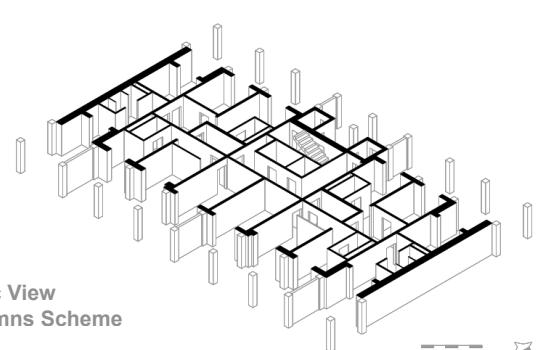
KHARKOV COMPETITION



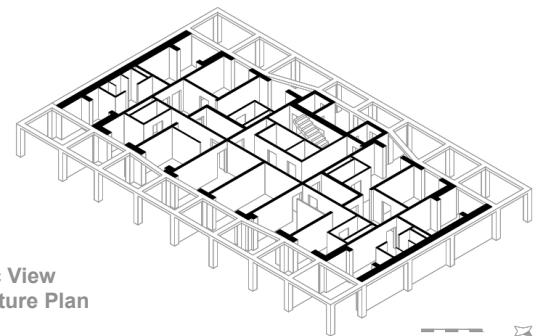
Aerial image: Residential tower overlooking the outskirts of Kharkov



Axonometric View
Old Main Distribution Plan

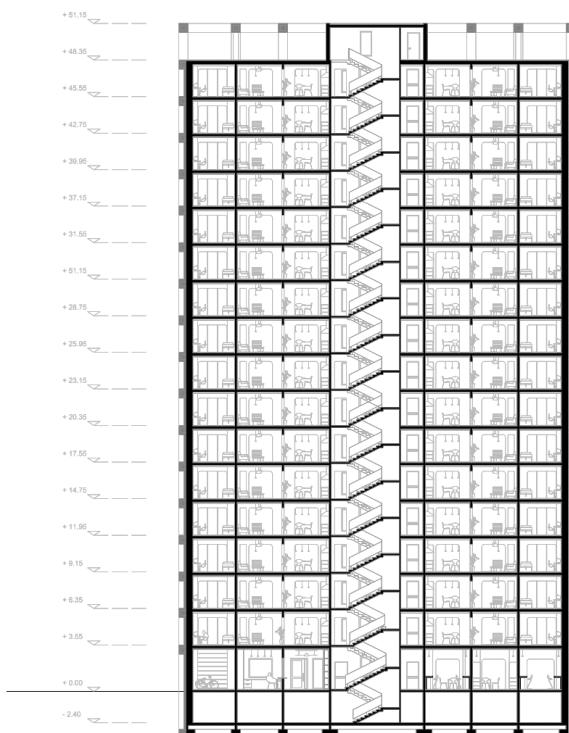


Axonometric View
Added Columns Scheme

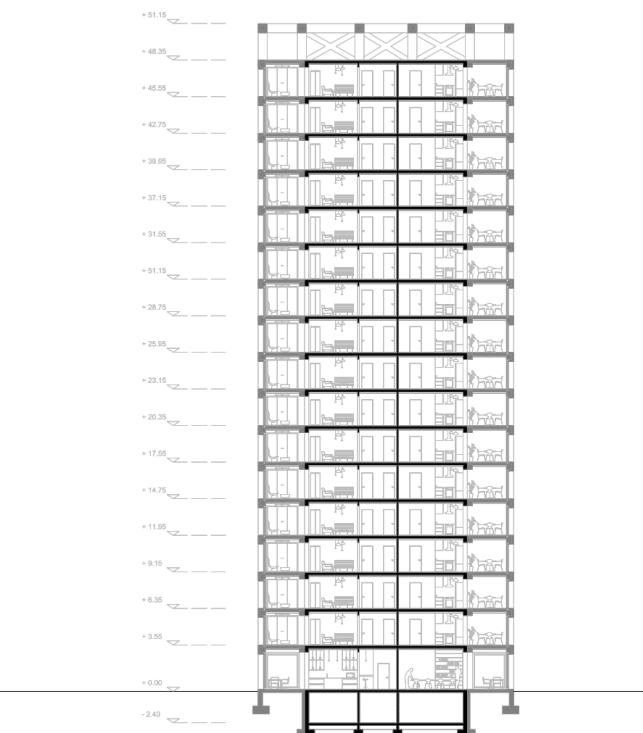


Axonometric View
Added Structure Plan

■ Old Structure
■ New CLT Structure



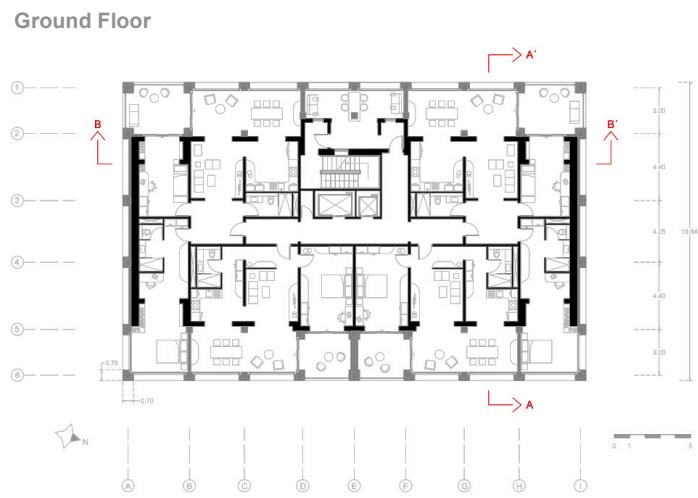
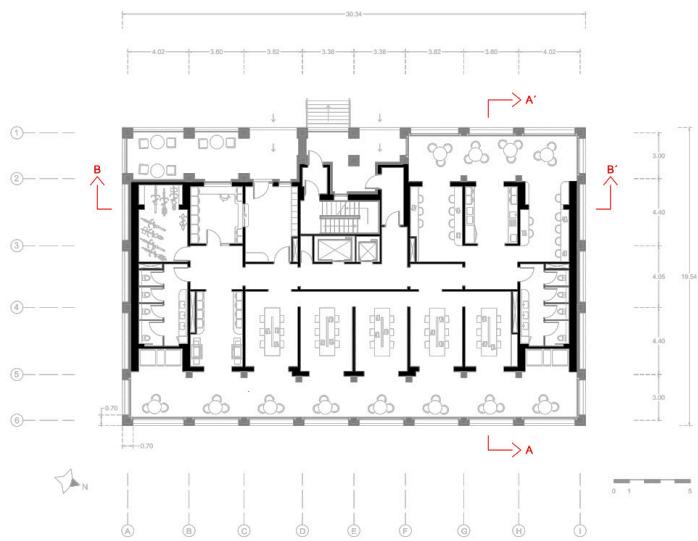
Section BB'



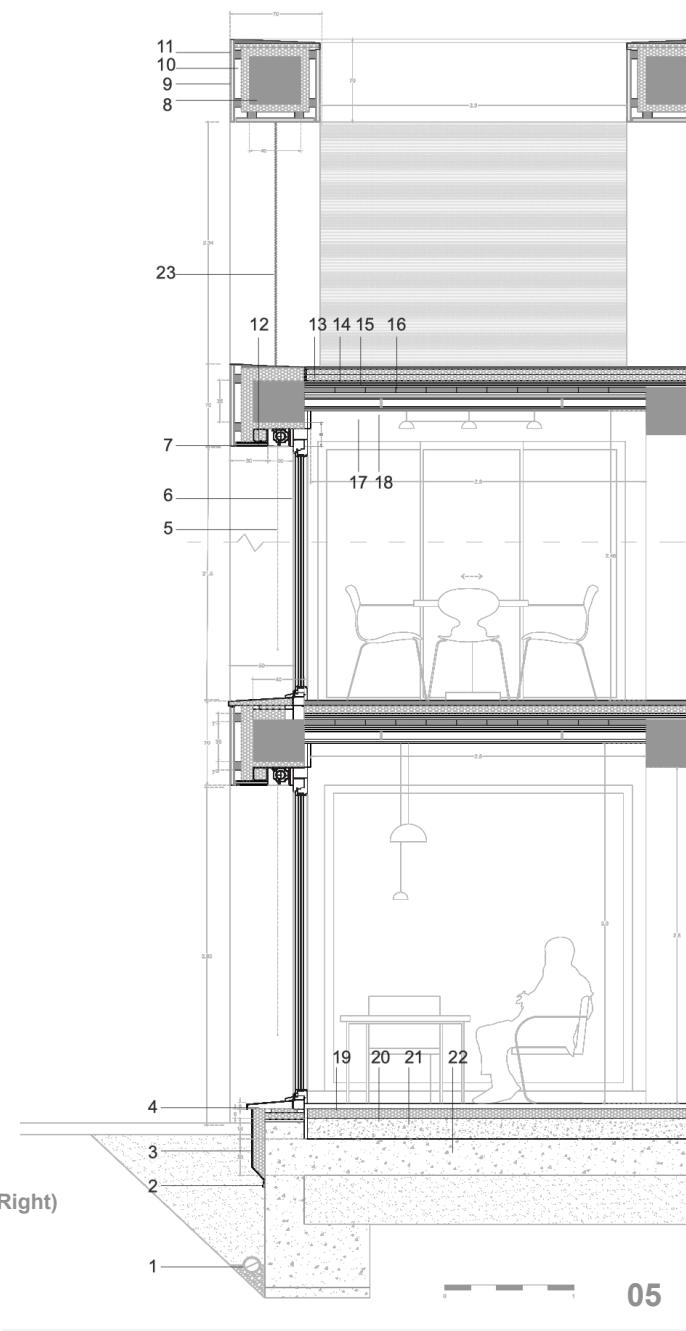
Section AA'

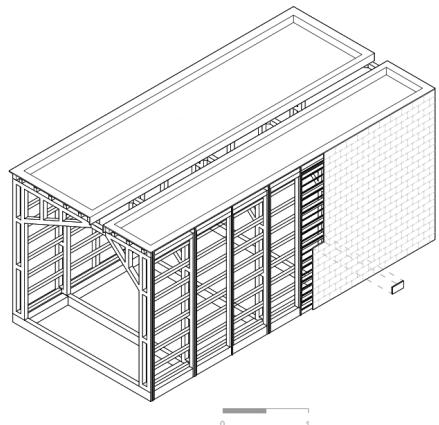


(Left) Urban Integration of Design (Right) Interior Living Space View (13th Floor)

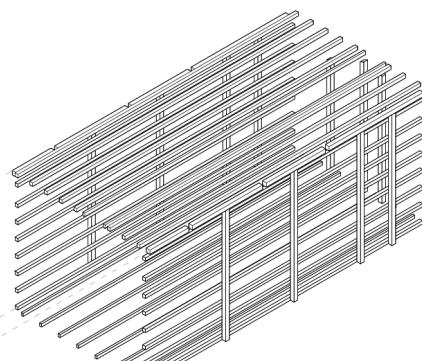


Section Plan Detail (Right)

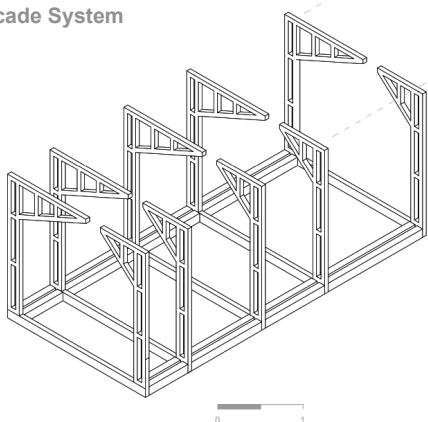




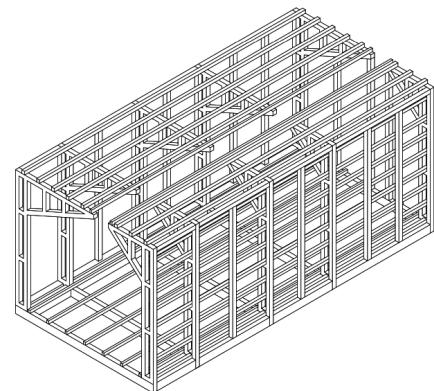
Structure - Facade System



Total Structure Design

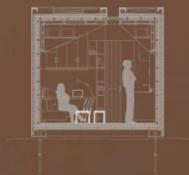
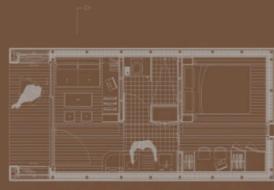
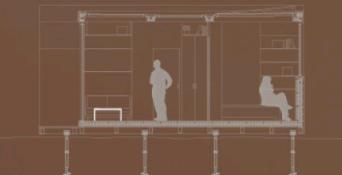
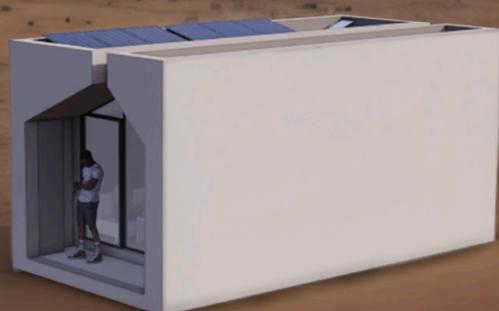


Main Structure-Frames



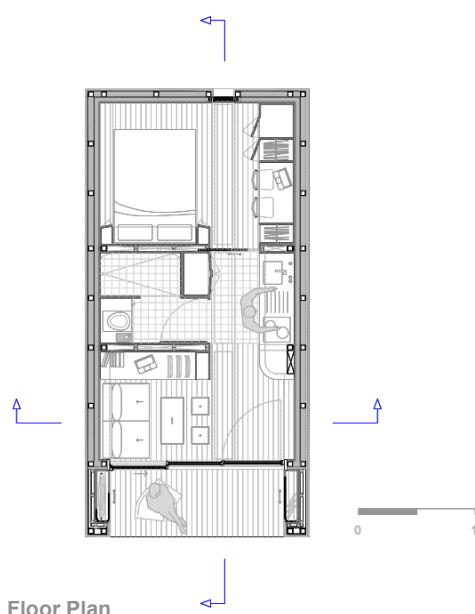
Render/Photomontage: Self-sufficient module in arid desert, with occupant about to go for a run

MICRO-HOME COMPETITION





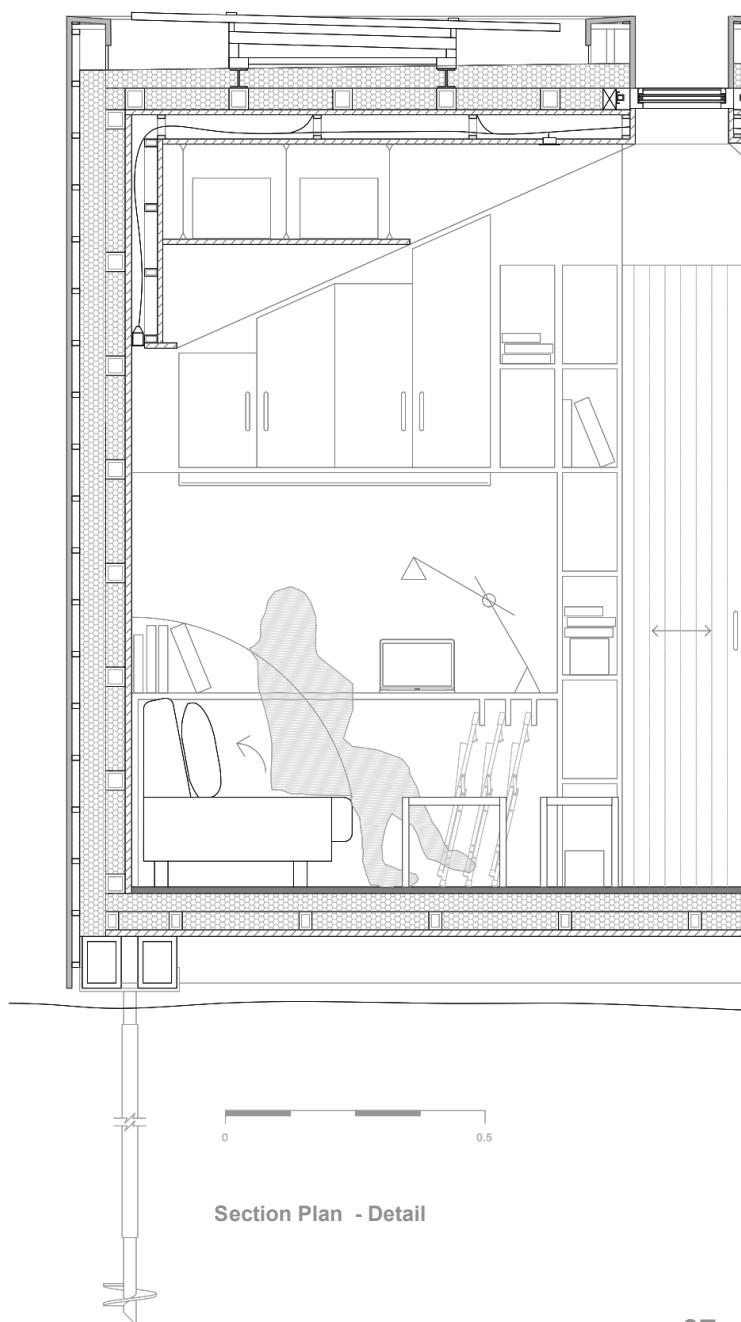
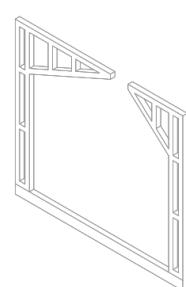
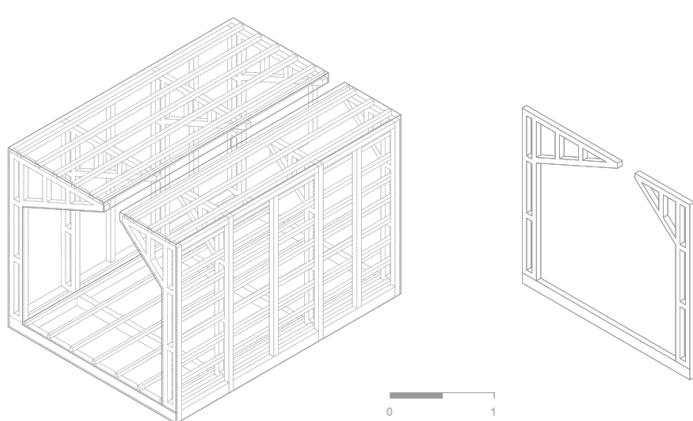
Render/Photomontage: Community concept of modules gathered around a point in an arid and desolate place

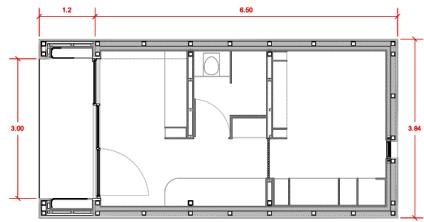


Open Competition.

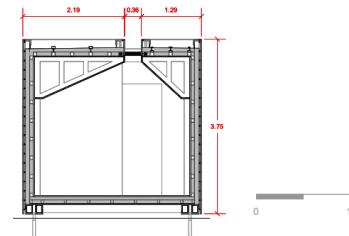
Main task was to develop a 25sqm modular home which could be placed in an arid place for an extended period of time, requiring it to practice self-sufficient systems which would allow the design to stay off-grid for that long.

In this case, the light structure is covered by slick ceramic panels. Energy is stored in batteries on the roof, right next to the solar panels. A rain-water collector allows it to extend its resources beyond what the integrated water tank may provide.

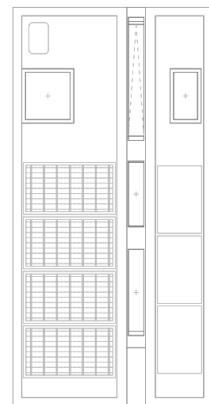




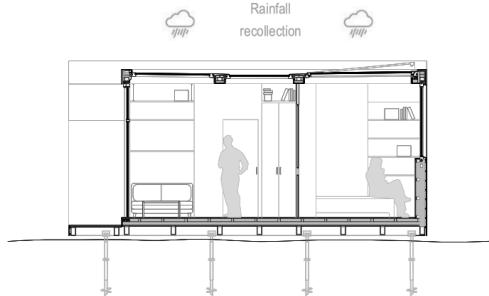
Empty Plan



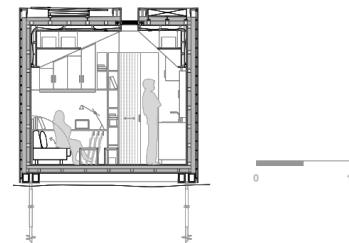
Empty Section



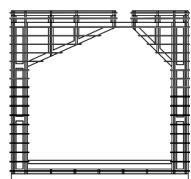
Ceiling Plan



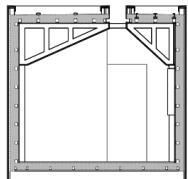
Empty Plan



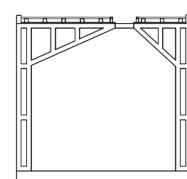
Empty Section



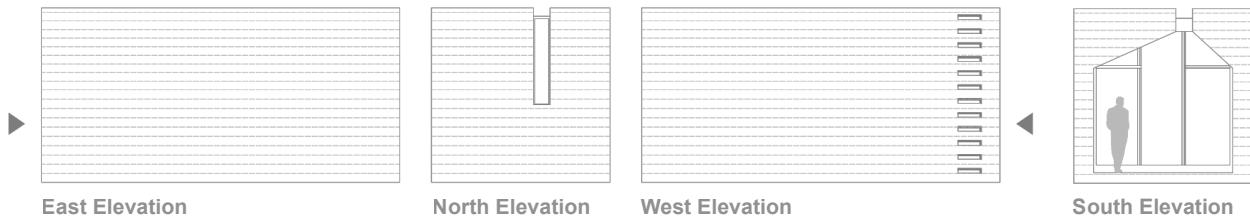
Facade Structure



Construction Detail



Structure



East Elevation

North Elevation

West Elevation

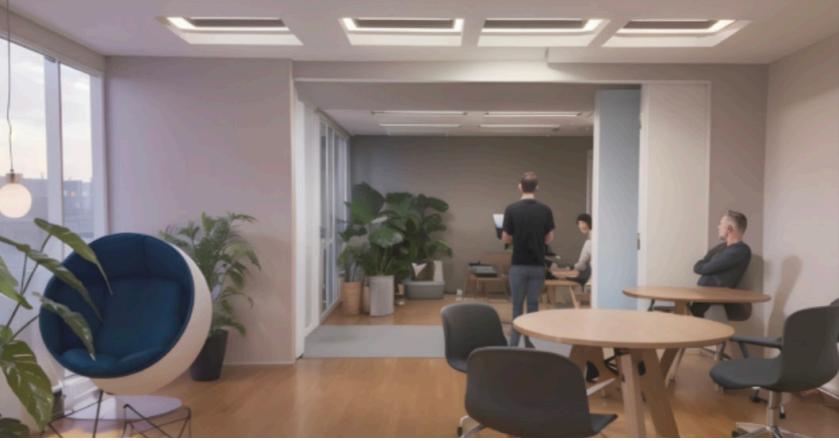
South Elevation

Render/Photomontage: Placement of module in an urban community, showcasing the versatility of the design





Open Coworking Space



Reception Space: Shared Lunch Room and Bar



Corridor View in Front of Meeting Rooms



Meeting Rooms: Retractable Middle Wall Fully Opened

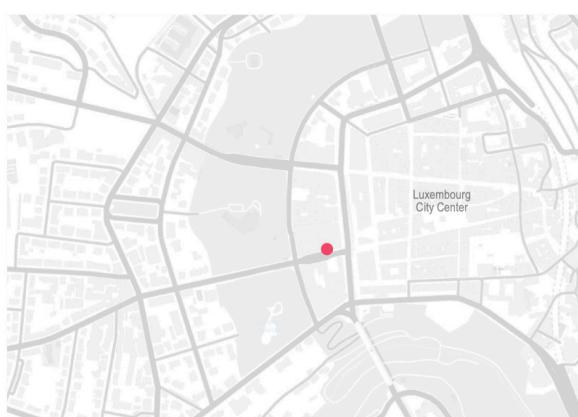
COWORKING SPACE [UNREALIZED] PRIVATE PROJECT

Design paired with a business plan a "hybrid coworking space" in Luxembourg.

The project did not go through because of two main obstacles:

- Restrictive laws for coworking spaces
- Funding goals were not reached

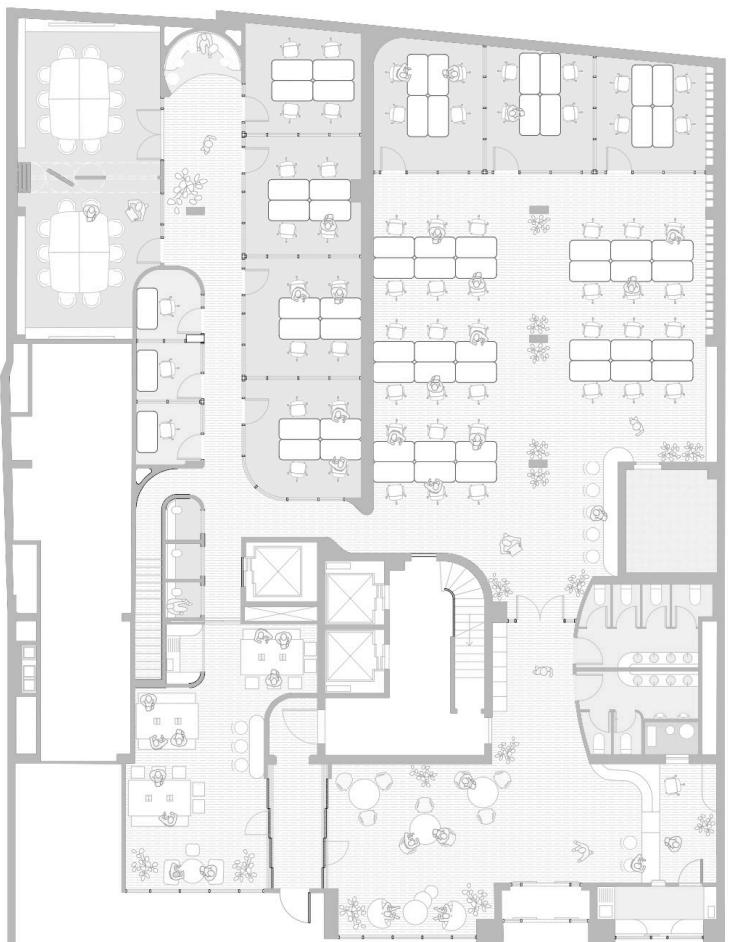
My main role was as architect and project manager, where I managed to find the most plausible space in the city for the business plan which my partner and I developed.



Location Plan



Office Space

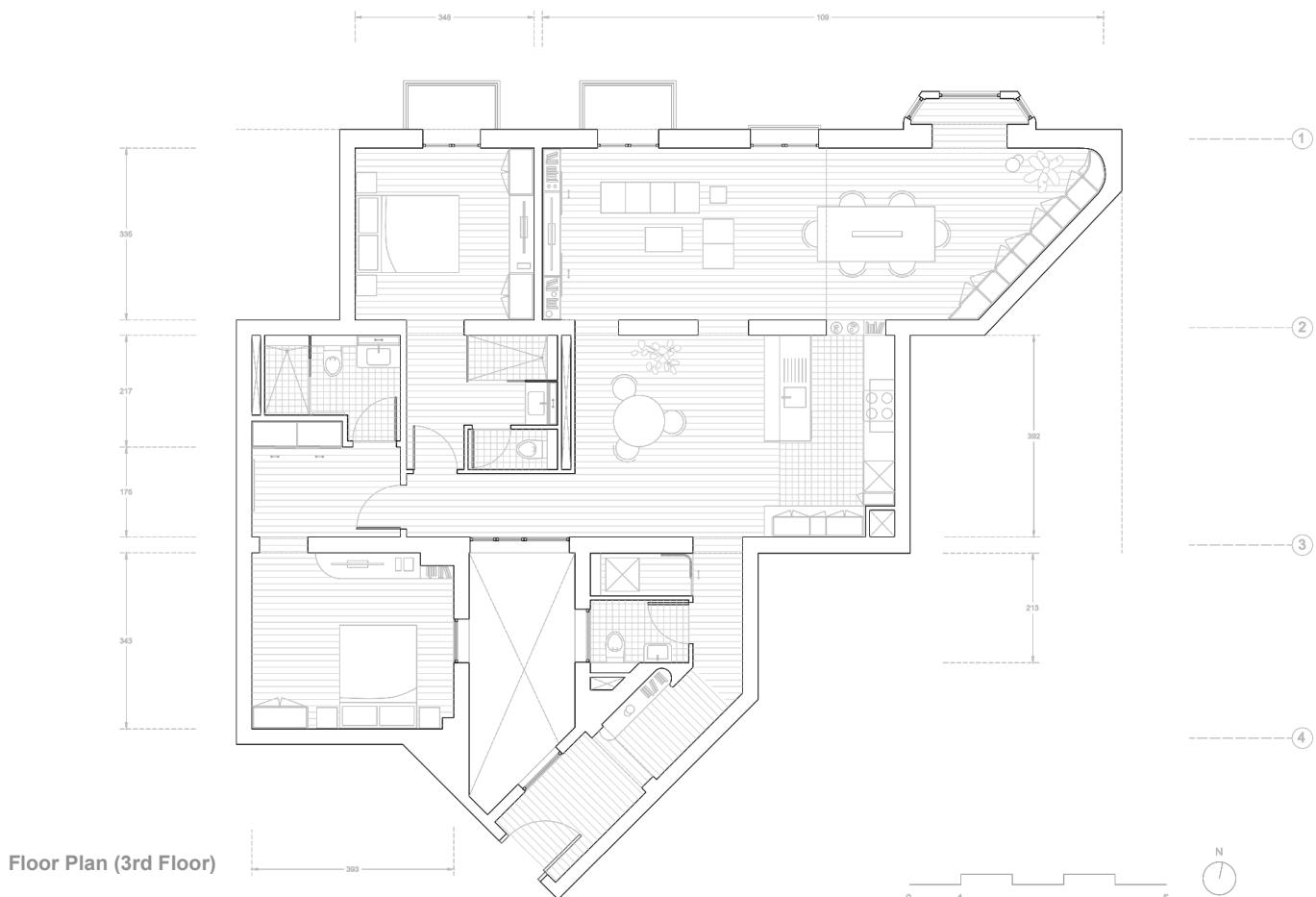


Ground Floor Plan



AYALA 111 APARTMENT

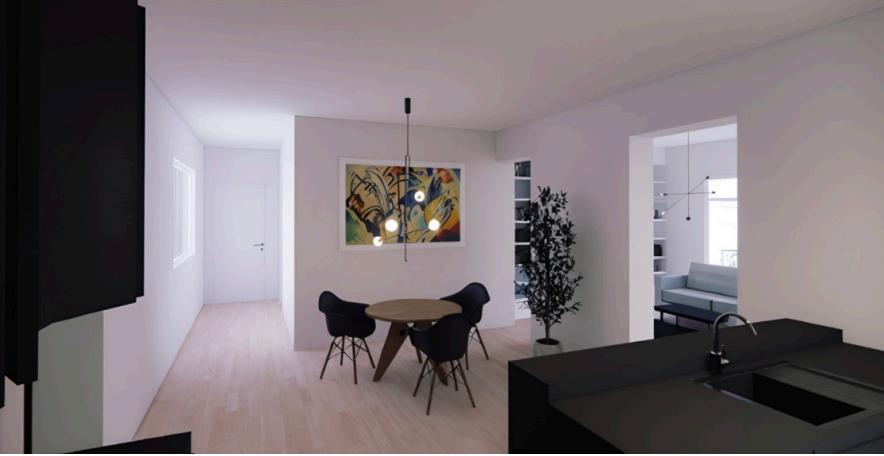
[UNREALIZED] PRIVATE PROJECT



Living Room Space with sur-mesure wall closet

Bedroom Space with sur-mesure wall closet





Open Kitchen and Dining Area



Living Space and Dining Area



Living Space and Dining Area with Balconies

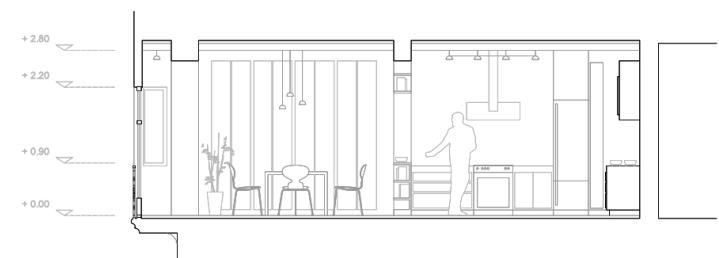
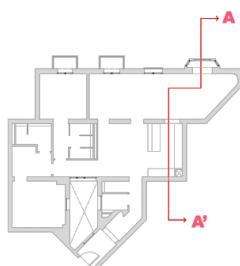


Open Kitchen and Dining Area in Connection with Living Room

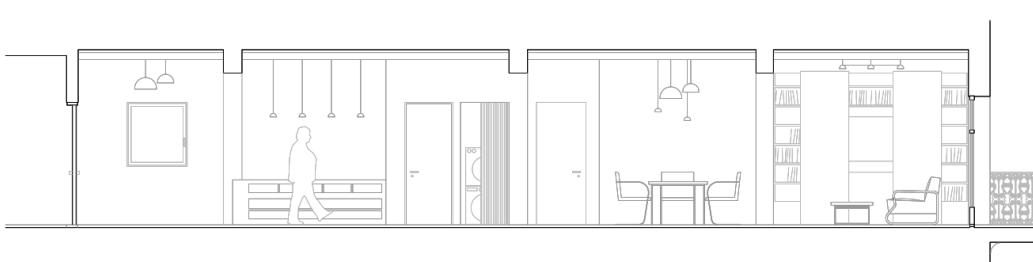
Proposition for a private request.

The client was very pleased with the outcome, however, a deal was not reached between both parties and I pursued other projects which were more in line with my expectations.

Here, the apartment refurbishment is designed from an empty plan in the heart of Madrid, in the neighborhood of Salamanca, few minutes away from *El Retiro*.



Section AA' - Kitchen & Living Room

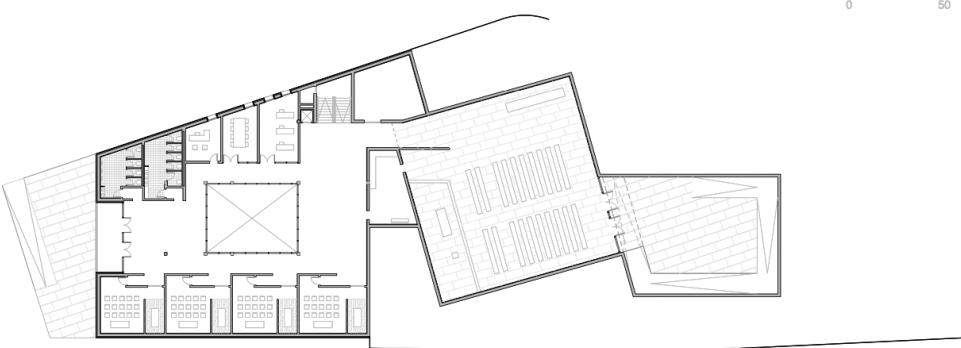
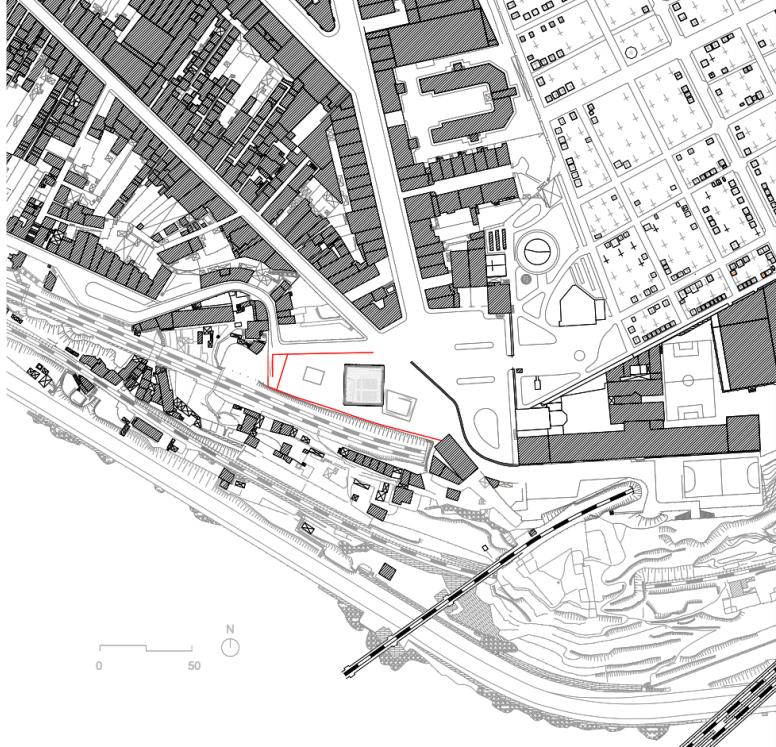
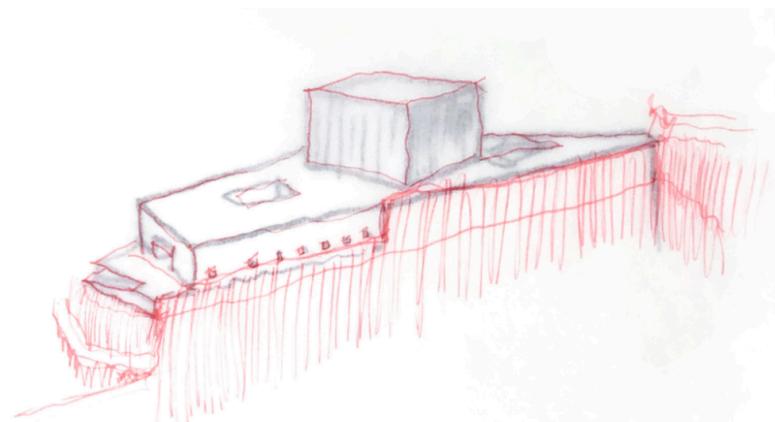


Section BB' - Entrance to Balcony

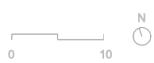


CHURCH IN PORTO

B.ARCH DESIGN STUDIO



Location Plan

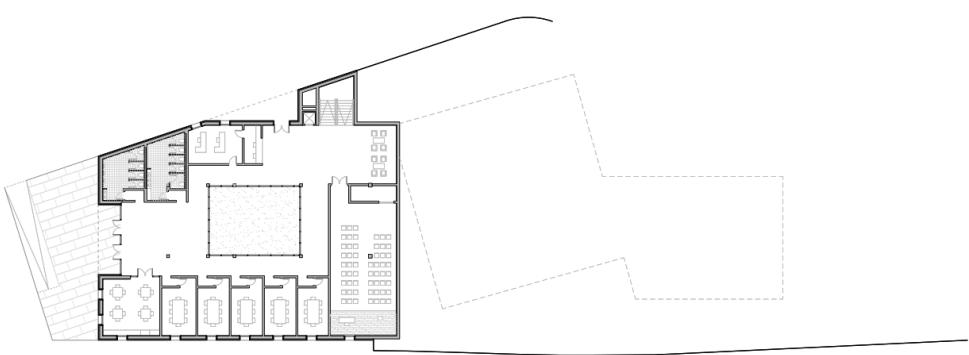


Under Ground Floor Plan

Project for the last year of my B.Arch.

Church and Parish complex, in the outskirts of Porto, overlooking the Douro River.

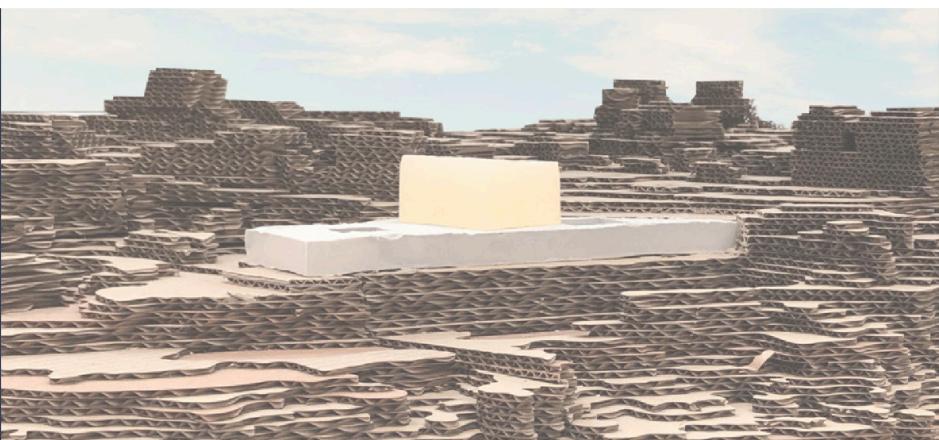
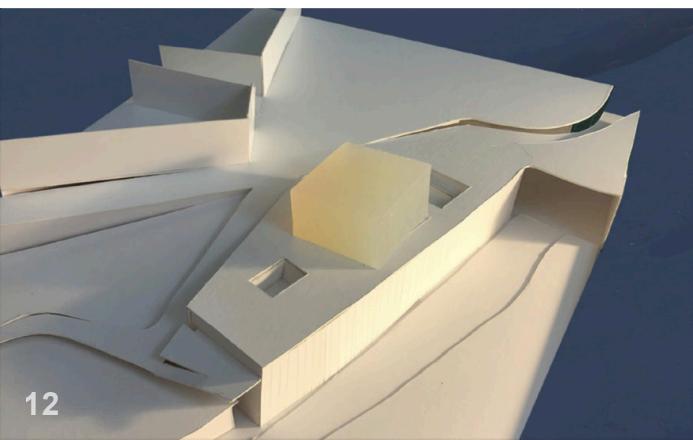
Structurally based design, with a solid base that creates a solid ground at a steep ledge where the rest of the program is placed, mainly in the inside, with the Church itself protruding out vertically, in a symbolic religious gesture.



Ground Floor Plan



Aerial View of White Model with Glycerine Church Element



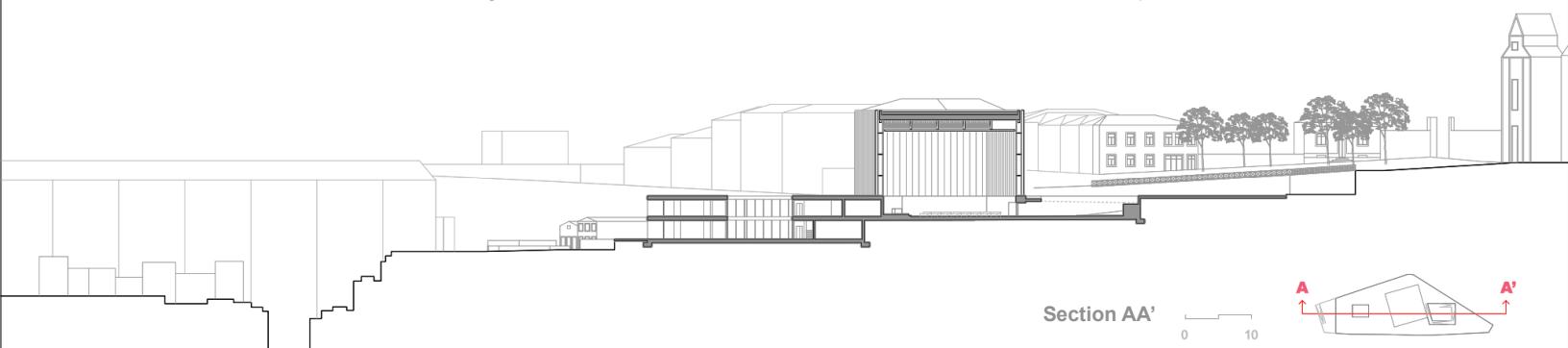
Concrete + Glycerine Model Placed on Carboard Site Model



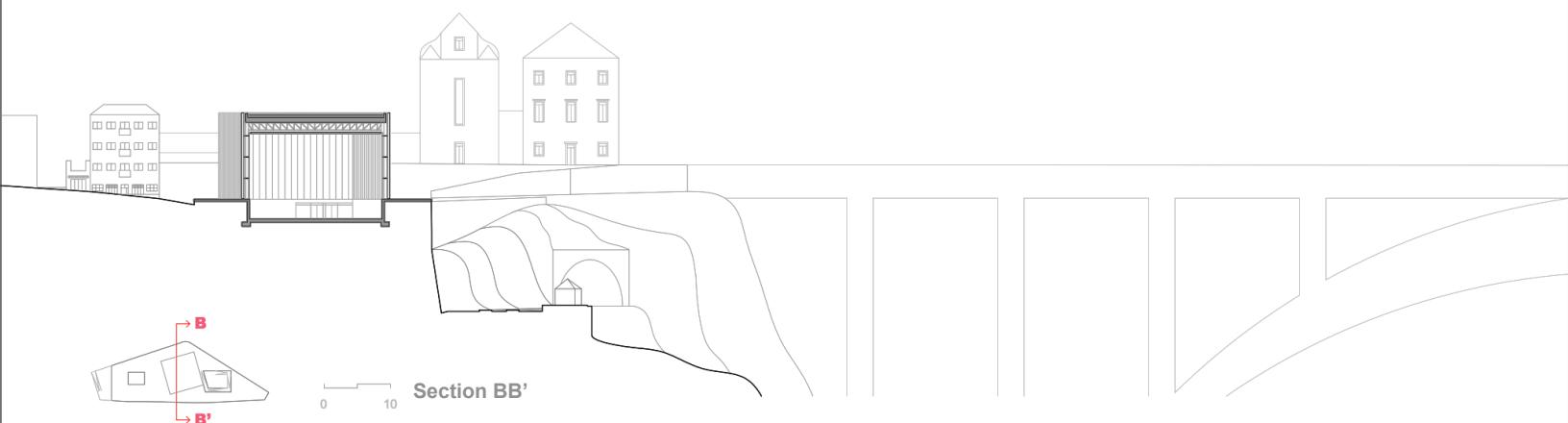
Render: Aerial view of the Model overlooking the Duoro River



Interior Space of the Church



Section AA'



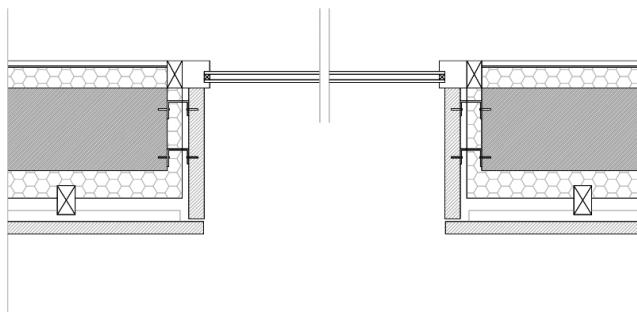
Section BB'



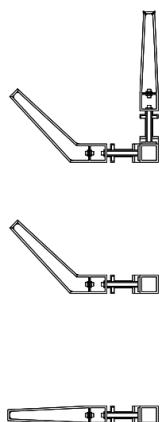
West Elevation



(Left) Eye-sight view from the Generated Plaza Space on Top (Right) Aerial View of Design on Ledge

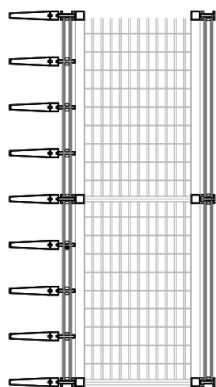


Window Detail



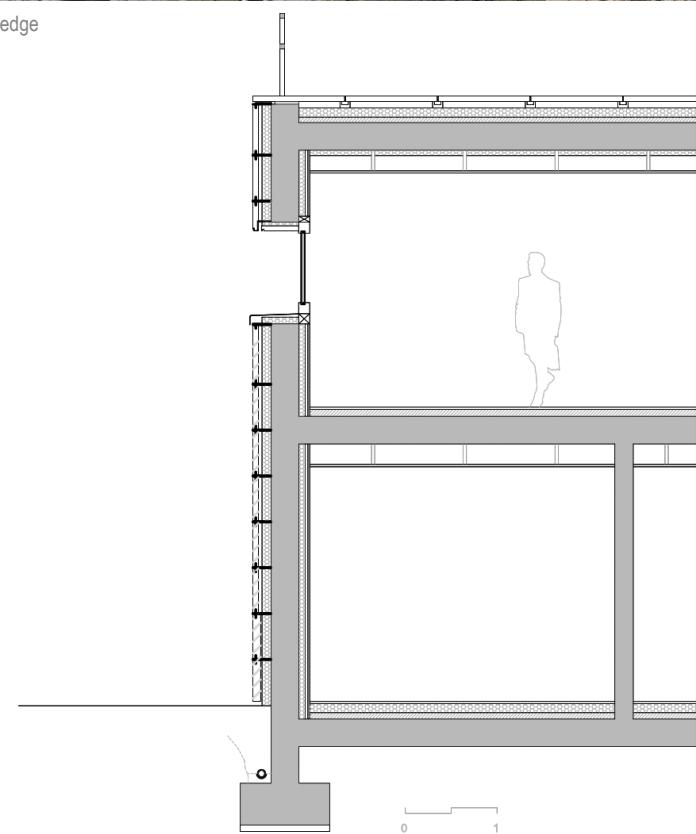
0 0.10

Vertical Facade Elements

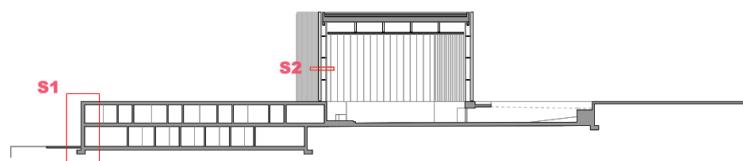


0 0.25

Facade Detail S2



Facade Section S1



South-side Elevation

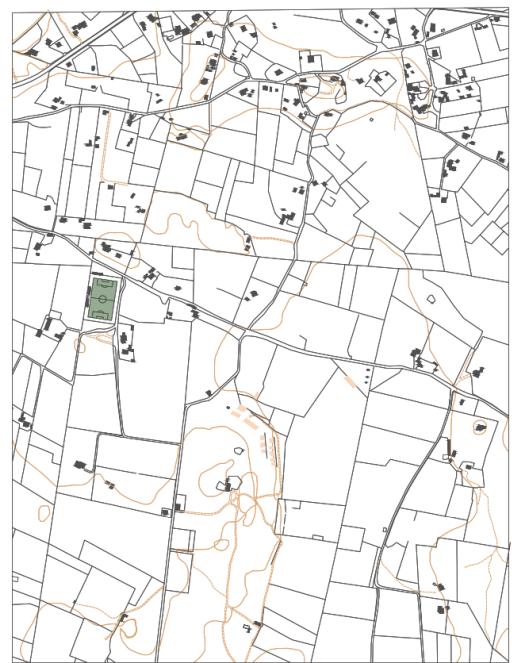
HOTEL BOUTIQUE

B.ARCH DESIGN STUDIO

Last project for my B.Arch. Design for an Hotel Boutique in the island of Formentera, Spain. The hotel complex is designed around the rising agricultural tourism in the island, where tourists can visit different plantations and even engage in procure or product tasting.



Project Plan
0 60



Location Plan
0 60

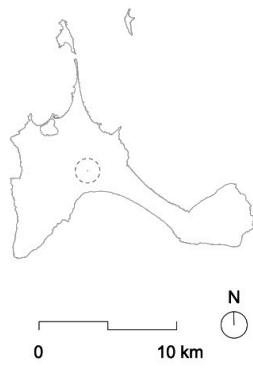


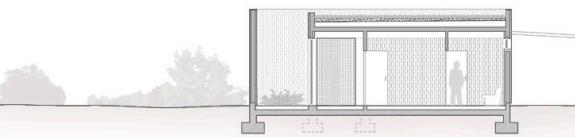
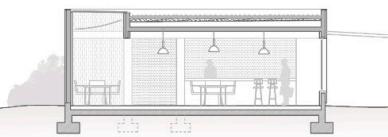
Plot Plan

A total of 10 rooms, 2 suites, and 8 small bedrooms are placed along the tree fronts within the site. The preexisting building is refurbished to house the lounge as well as the lobby.

An underground spa and restaurant further enhance the Hotel, creating comfortable spaces where guests can rest after a long sunny day at the beach.

Formentera Island





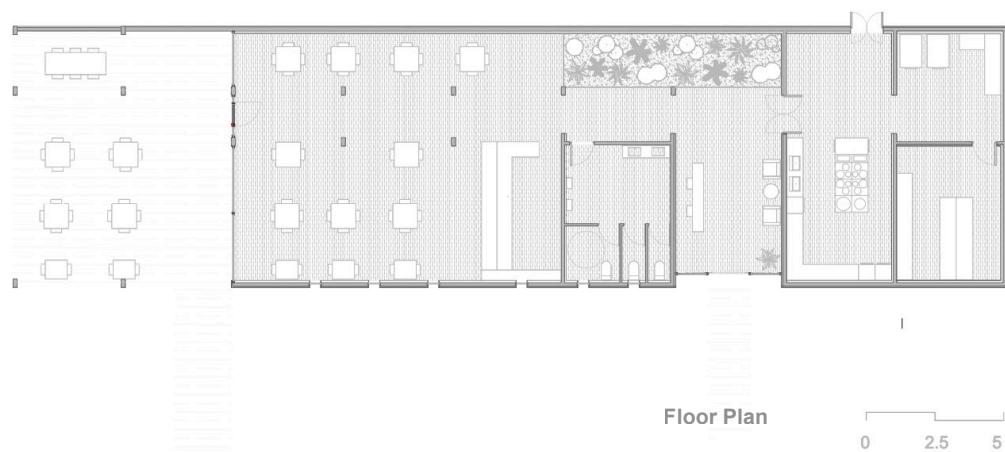
Section A



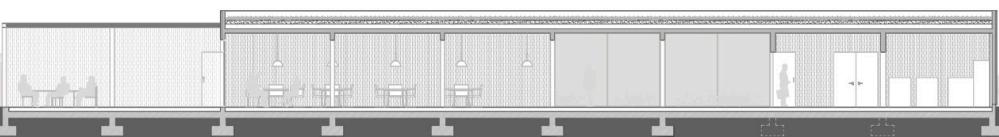
Section B



Front Elevation



Floor Plan

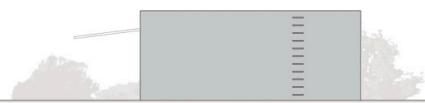


Section C





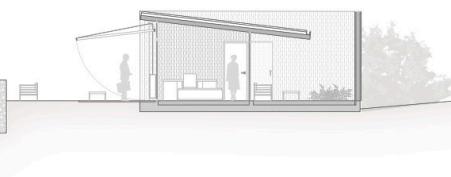
0 2.5 5 Small Rooms Elevation



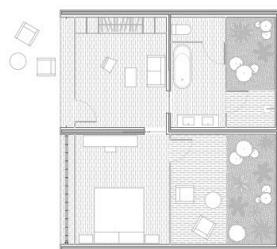
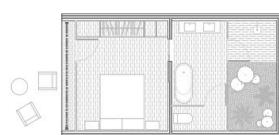
0 2.5 5 Suite Elevation



0 2.5 5 Small Rooms Section

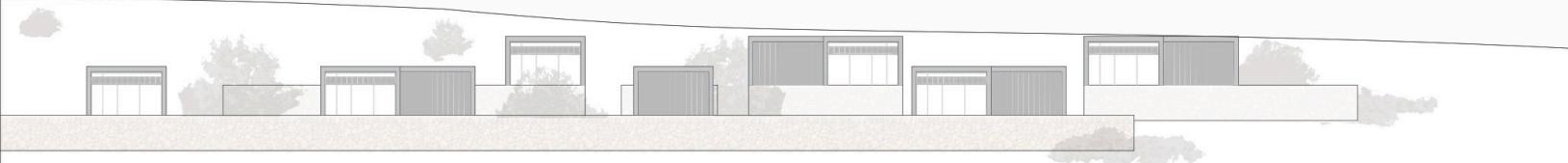


0 2.5 5 Suite Section

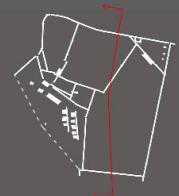


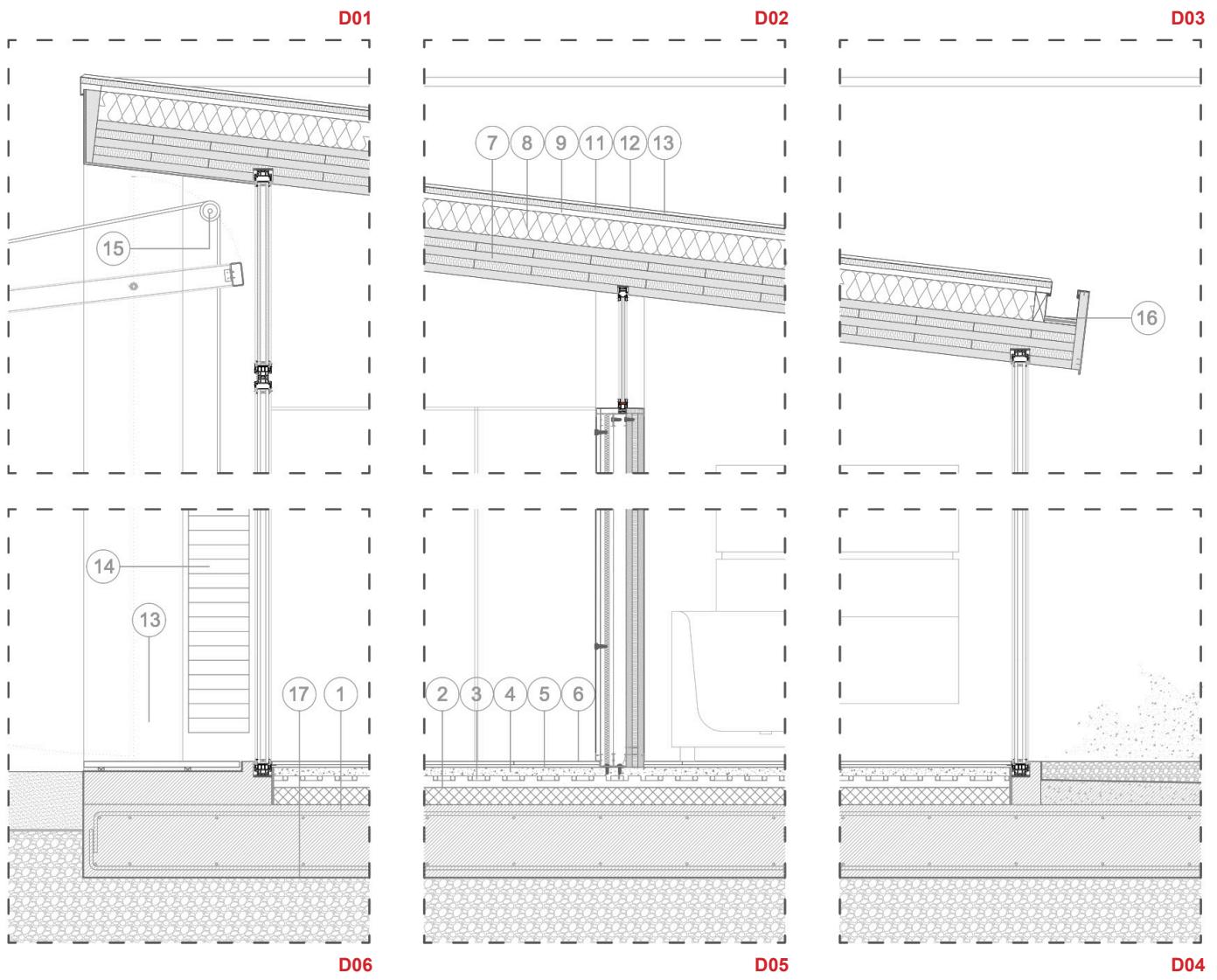
0 2.5 5 Small Rooms Floor Plan

0 2.5 5 Suite Floor Plan

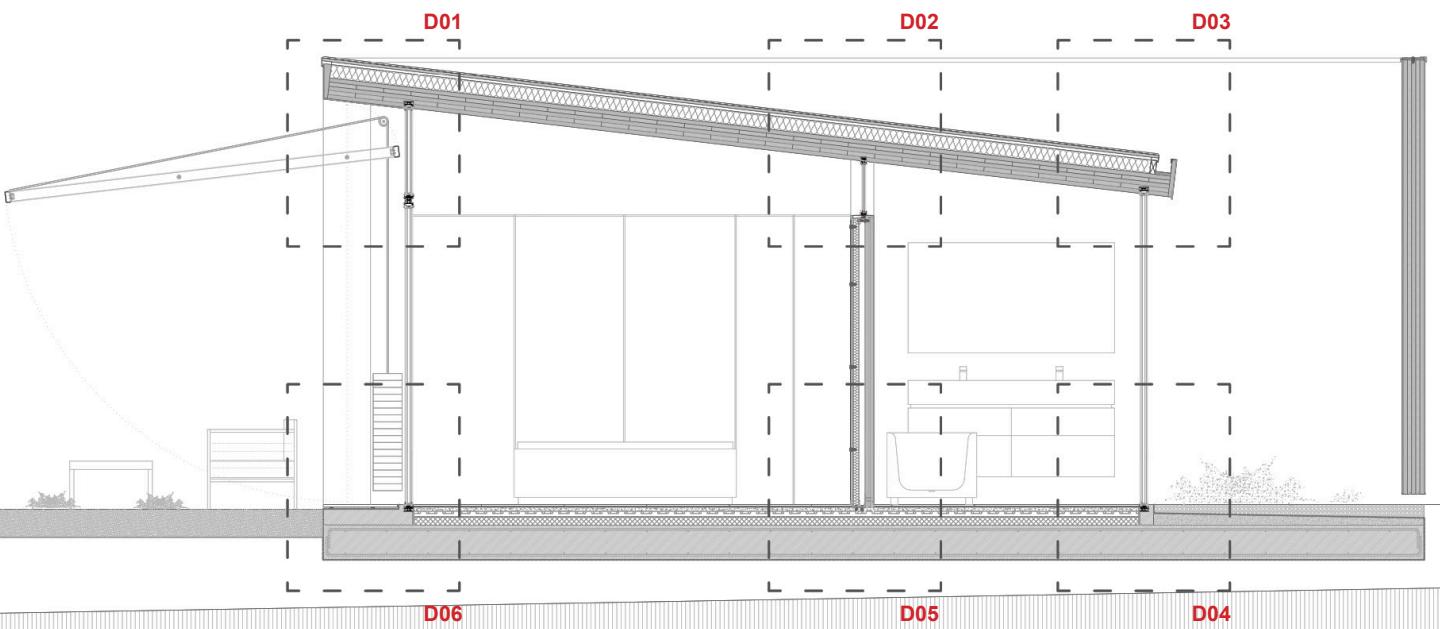


0 5 East Elevation





0 0.5



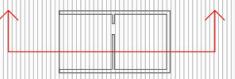
D06

D05

D04

Room Section Details

0 0.5 1

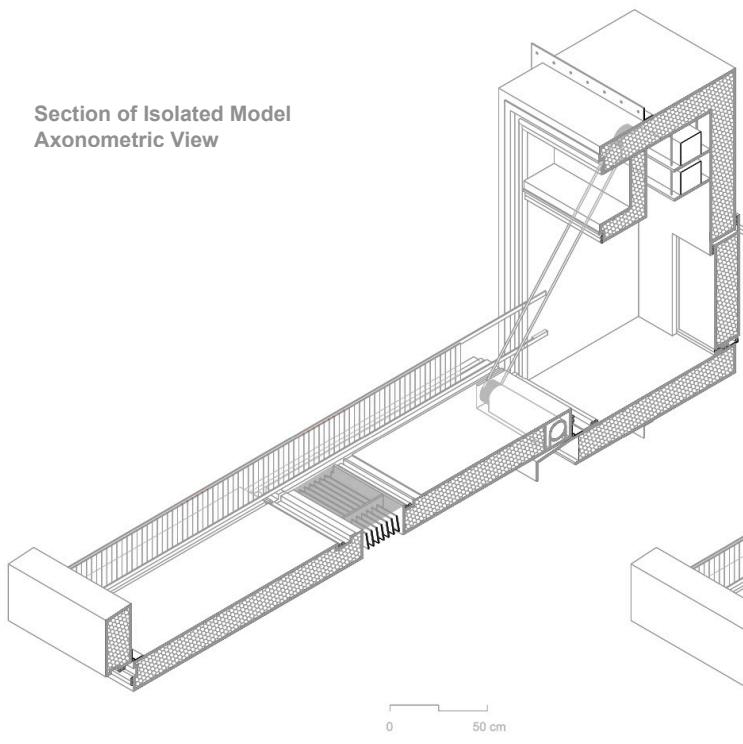


UAV FACADE DELIVERY SYSTEM

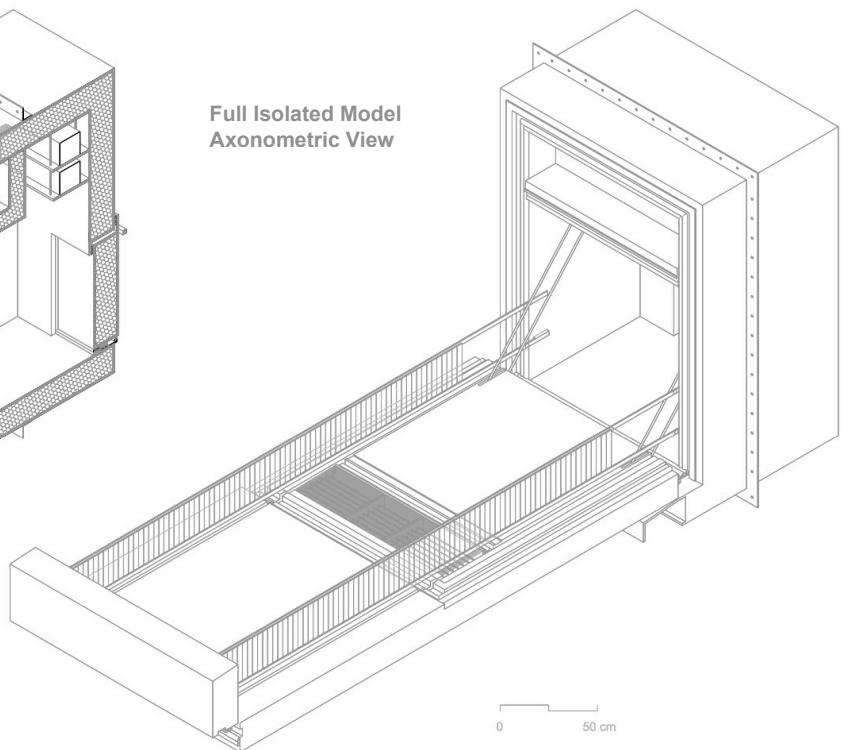
B.ARCH PROJECT

Project completed during my B.Arch's last year.
Later published with faculty in a research paper on UAV Delivery Systems within dense urban areas,
where delivery systems can be enhanced through the logistics medium provided by technological
developments in drone architecture as well as the availability of unused vertical space in cities.

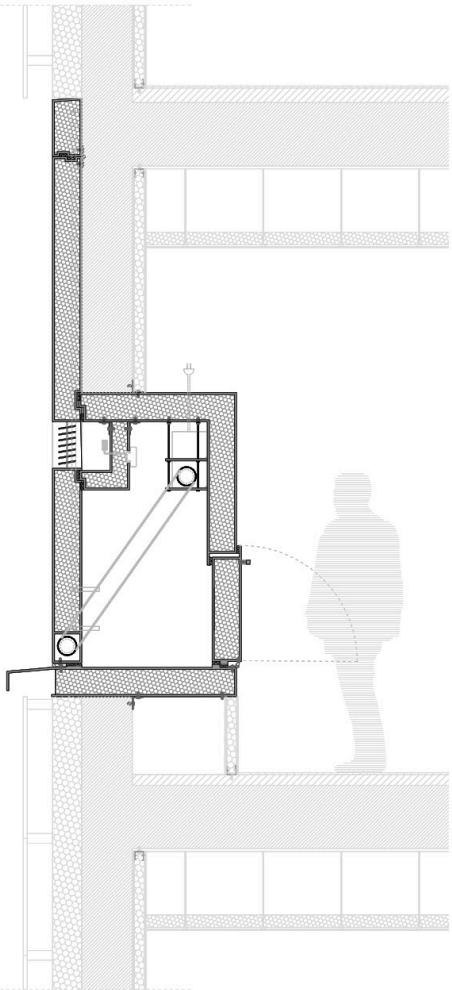
Section of Isolated Model
Axonometric View



Full Isolated Model
Axonometric View



Section of Placed Model - Closed



Section of Placed Model - Open

