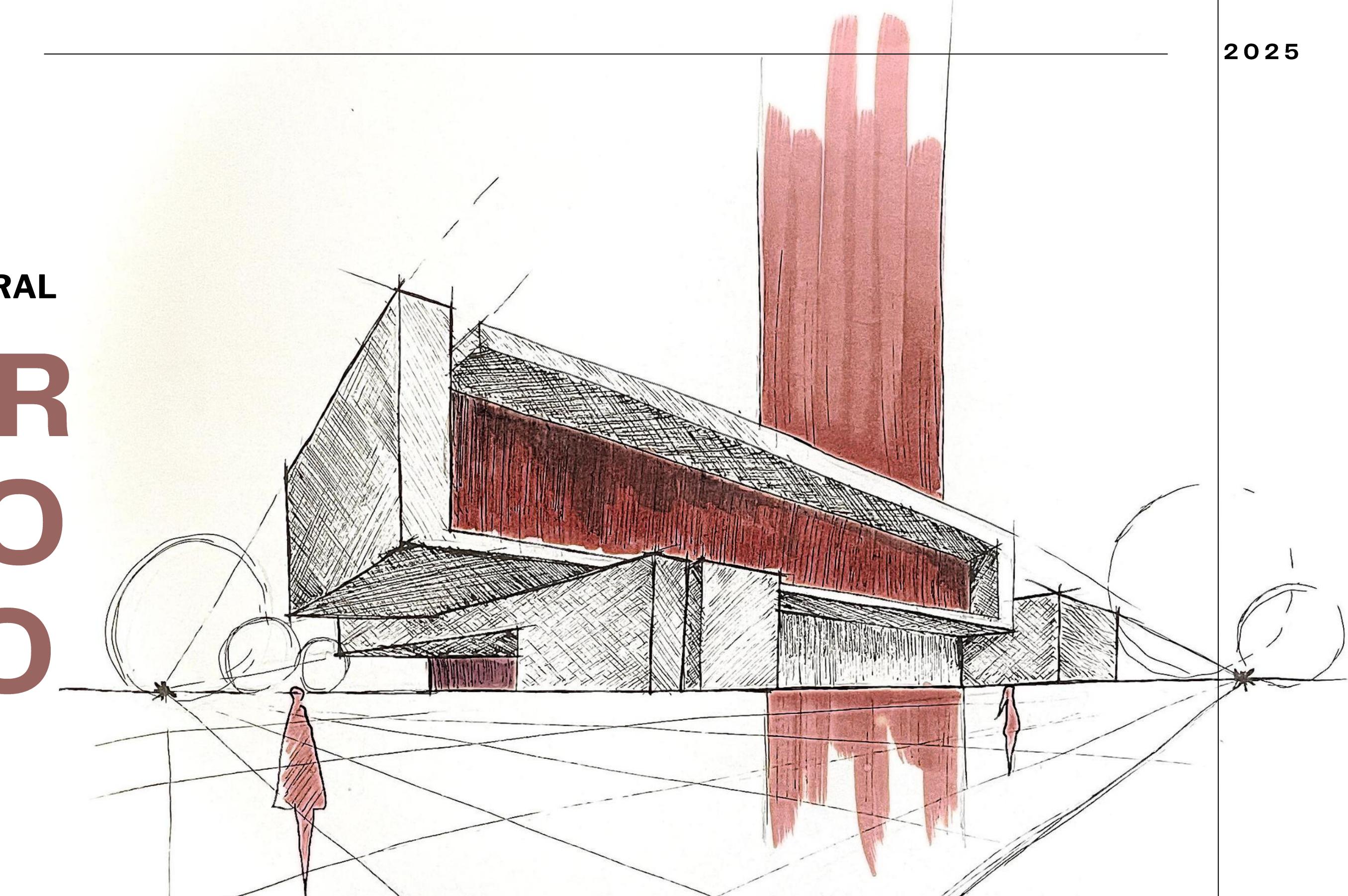


Gayelle Abdo El Dayem

Architect

2025

ARCHITECTURAL
**POR
TFO
LIO**





I'm Gayelle, an enthusiastic and dedicated architect with a strong foundation and a passion for creative design. I am eager to develop my expertise in both architecture and interior design. I believe architecture goes beyond aesthetics—it's about crafting spaces that enhance human comfort and well-being. Driven by this purpose, I am committed to contributing to projects that prioritize functionality, comfort, and beauty in equal measure.

EDUCATION

2004-2019 **Collège des Soeurs des Saints Coeurs, Zahle, Lebanon**
Elementary to High School

2019-2023 **Holy Spirit University Of Kaslik, Lebanon**
Bachelor's degree in Architecture

2023-2025 **Holy Spirit University Of Kaslik, Lebanon**
Master's degree in Architecture

EXPERIENCE

2023-Present Architect at Abdayem's Architecture, Zahle, Lebanon

2024-Present Freelancer as Architect and Interior Design

2024 Participation in an International Competition The UnderBridge Competition by Buildner

2019 Attended a Graphic Design workshop at Antonine University, Lebanon

SOFTWARE SKILLS

Autocad	● ● ● ● ○
Sketchup	● ● ● ● ○
Revit	● ● ● ● ○
Lumion	● ● ● ○ ○
Adobe Photoshop	● ● ● ● ●
D5 Render	● ● ● ● ○
Microsoft Office	● ● ● ● ○

ANALOGUE SKILLS

Sketching
Rendering
Space planning
3D Modeling
Coordination

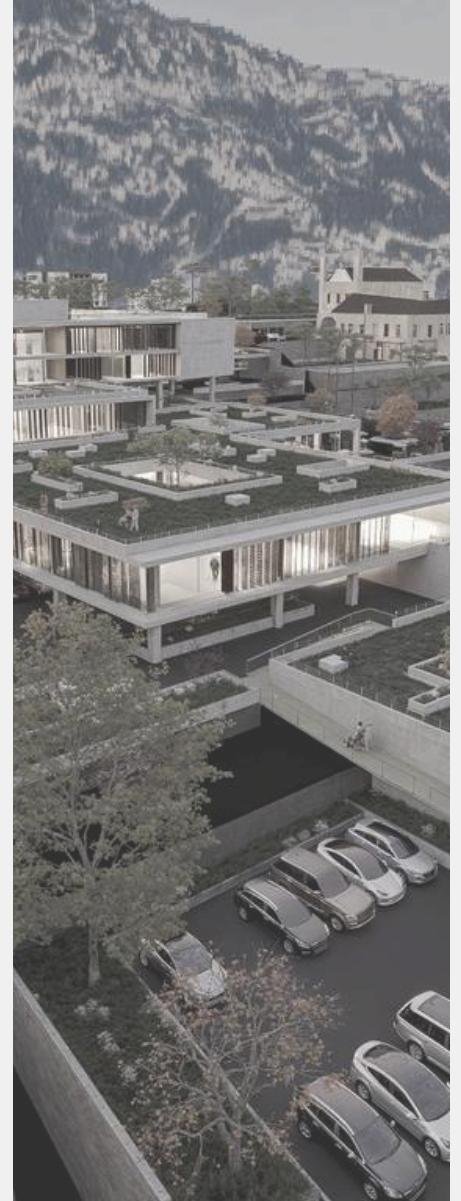
LANGUAGES

English
French
Arabic

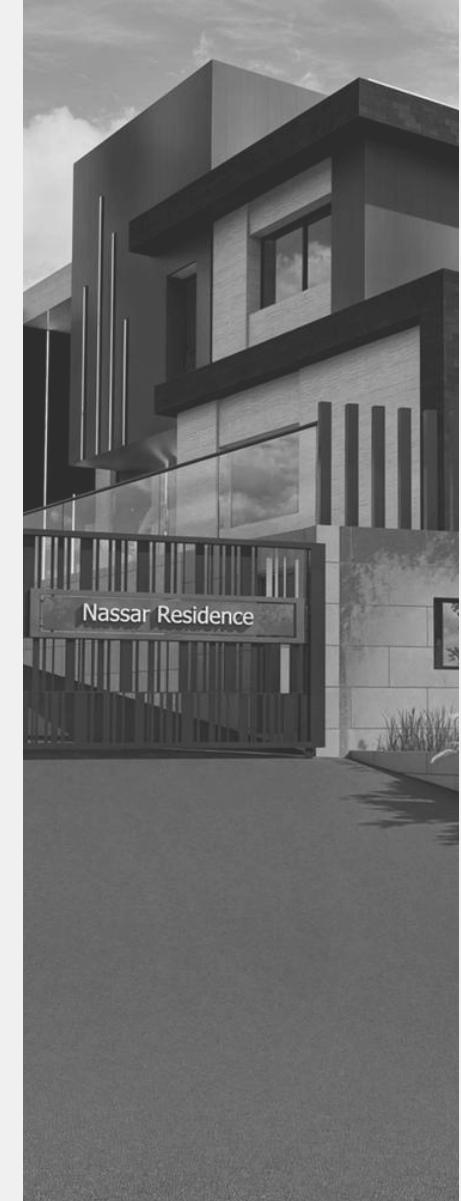




01. UnderBridge Habitation
2024



02. Final year project
2025



03. Villa 652
2025



04. Elevation design
2025



05. Wedding Venue
Kefraya
2025

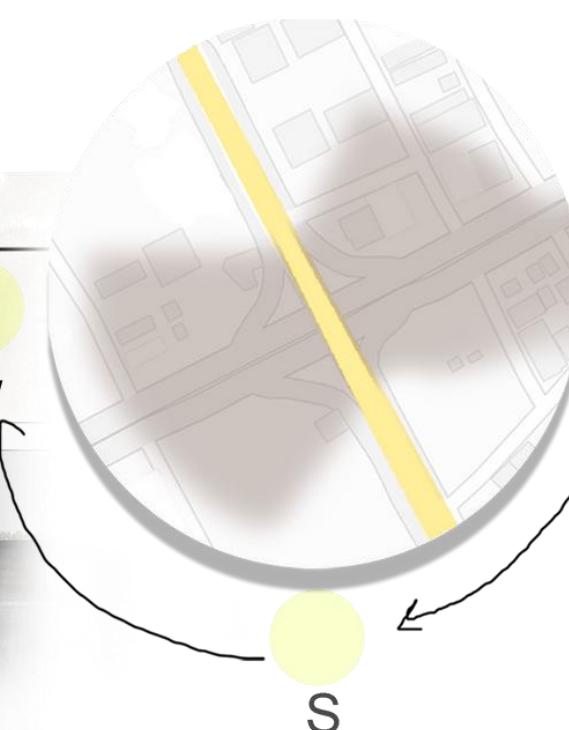
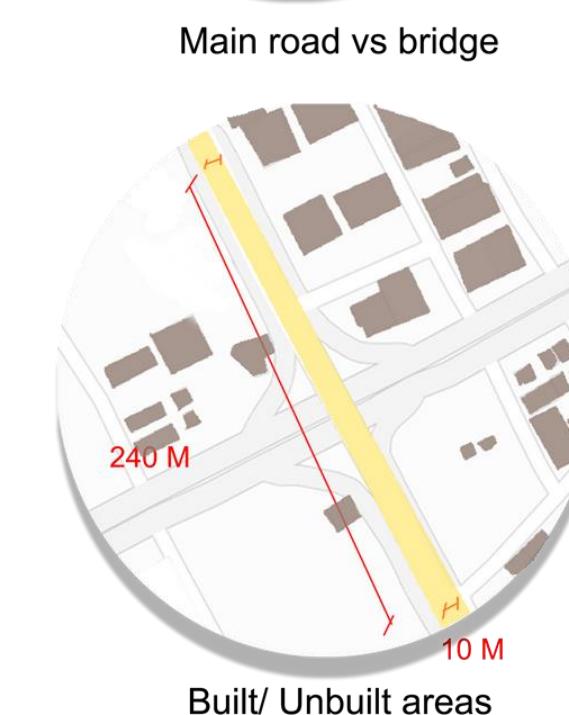
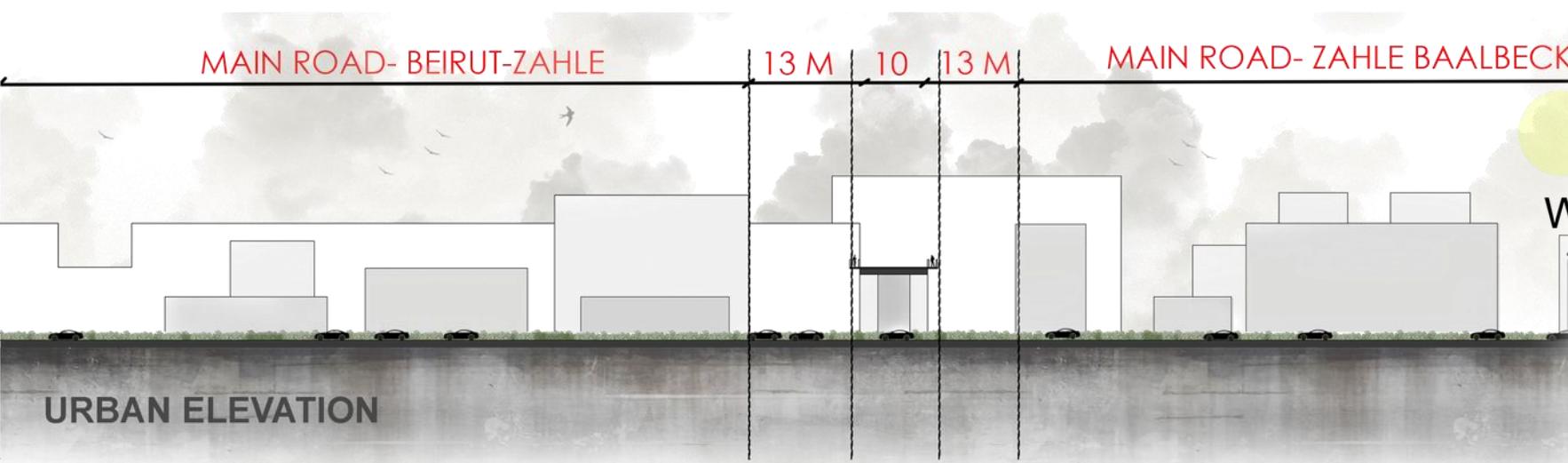


06. Interior design
2025



Underbridge Habitation

01. Underbridge project



ABOUT

WORK

CONTACT

SITE ANALYSIS - Al Fayda Bridge

The chosen bridge is located in Zahle, Lebanon in the Bekaa Valley. The city is considered residential, commercial, industrial and most importantly agricultural. It attracts a large number of employees needing accommodations as they come from nearby cities to work. So the objective was to use and create an habitation community under the bridge to transform it from an unused space into something innovative and efficace.

The bridge was originally created to solve circulation problem and to serve as a main connection to connect the center of the city to the agricultural lands. The northern part is the commercial and residential and from the south the agriculture and industrial lands.

It is worth noting that the typical buildings in Zahle consist of commercial ground floors with residential units on the upper floors.

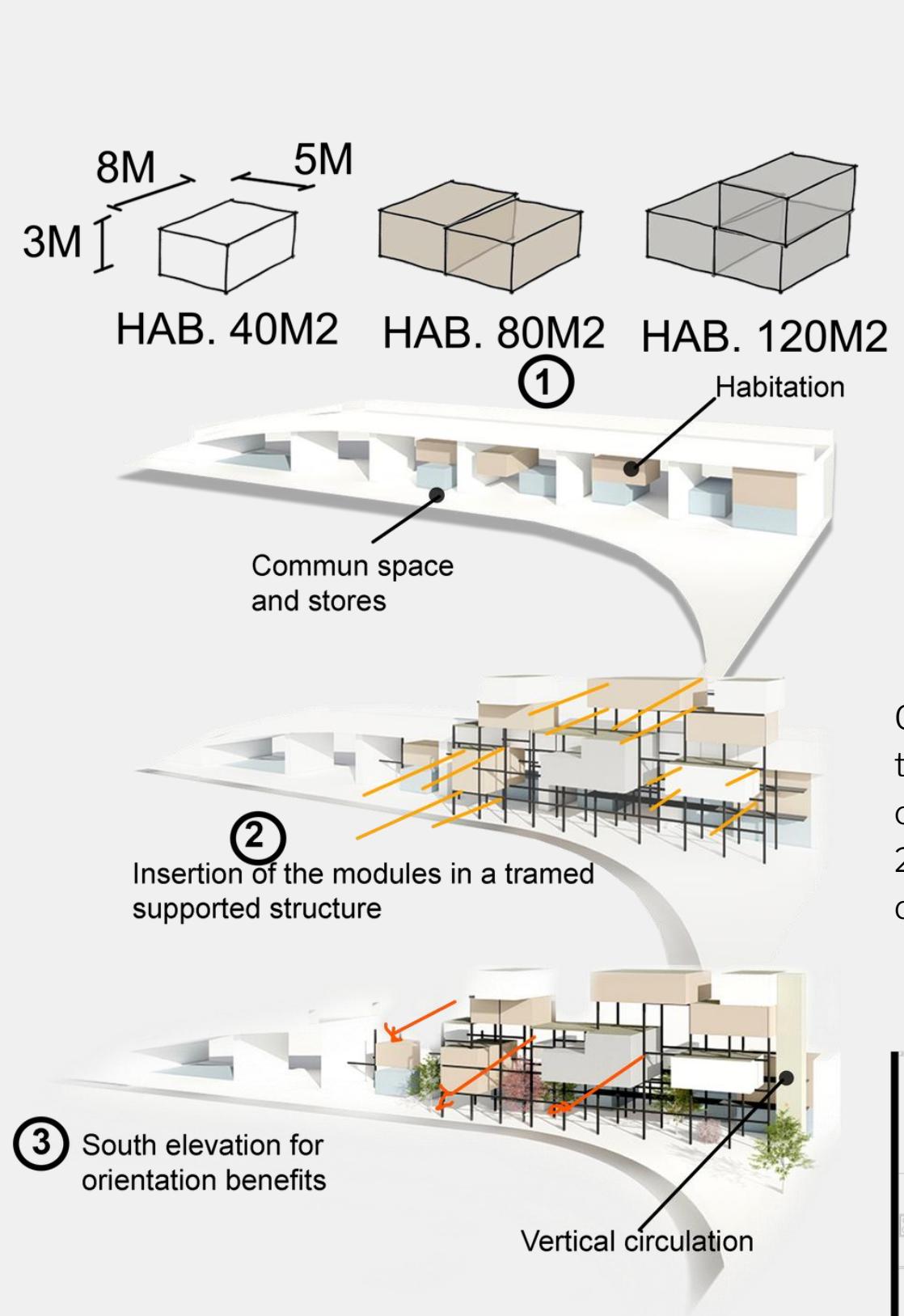
The bridge is known as Al Fayda Bridge, has a height of 9,5 M and overcome the international main road from Beirut to Baalbeck.

The concept of the project is to not only used the underbridge space but also take benefits of its facade with keeping the bridge visible.

We based our idea on creating common spaces and commercial stores with their workshops on the ground floor like for exemple the stores from the northern side for the public community and from the south a private area for the residents regrouping private access, cafeteria,lounges, multipurpose hall and the workshops for the residents to sell their customised work like artisanats... and above the accomodations going in superposition outside the bridge from the south to benefit from a great orientation and ventilation during the day. We based our programs distribution with the enviromental function of buildings in the area as previously described.

We inserted a structure in a way that is completely sperated from the bridge to prevent any technical problems and suspend the modules. It follows a 5x5 framework to be able to insert the modules properly. In terms of the housing units, we have utilized three different types of modules. The first type is 40 square meters with one bedroom, followed by 80 square meters with two bedrooms, and finally, 120 square meters for residences with three bedrooms.

To reduce sonor and air pollution, we have created a green zone called buffer zone to increase green spaces and create an architectural walk on level +11.15 which is accessible to the residents and for the community around. This zone is the main connection created between the project and the environment around. Furthermore, we have integrated a significant amount of green space to harmonize with the surrounding environment.

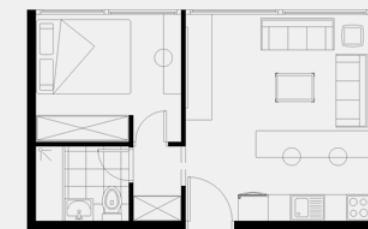


40 M2



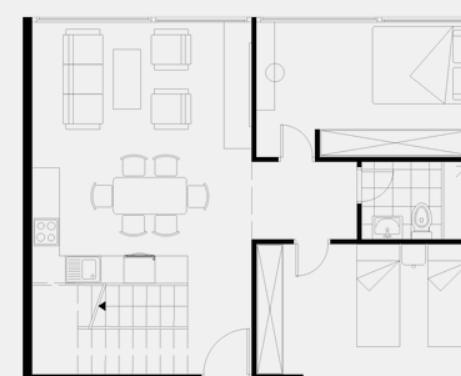
Module of 40 M2 represents a studio for one person.

80 M2



On the other hand, the module of 80 M2 consist either from 2 bedrooms or a duplex for a couple

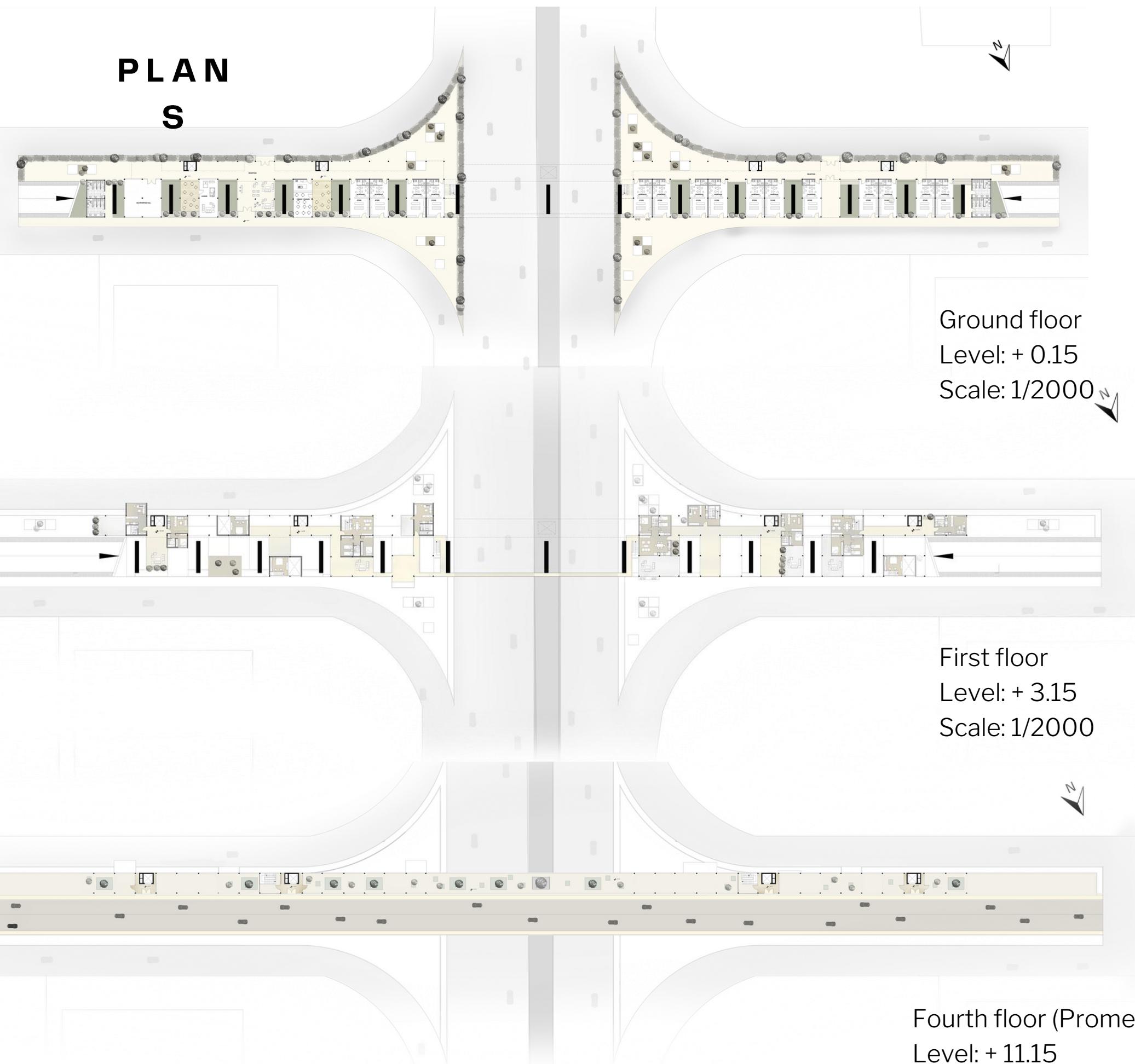
120 M2



The 120M2 consists of a 3 bedroom appartment or a family

PLAN

S



ABOUT

WORK

CONTACT



01. Underbridge project

ABOUT

WORK

CONTACT

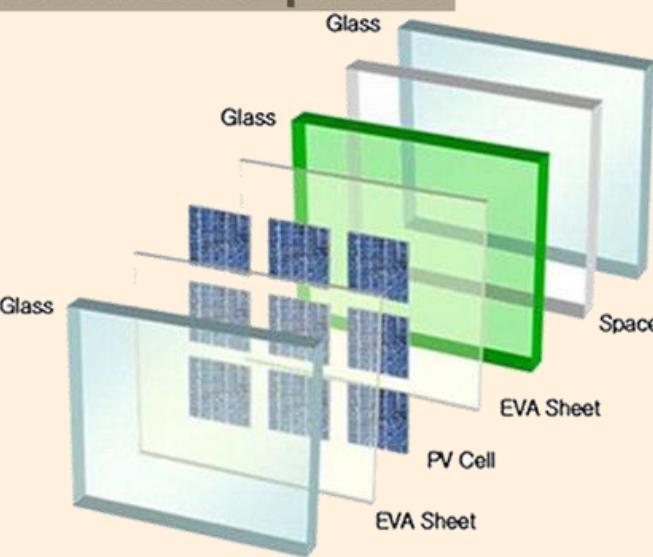
Buffer zone accessible for community
=> Integration of the society in the heart of the project
=> Help reduce sound pollution



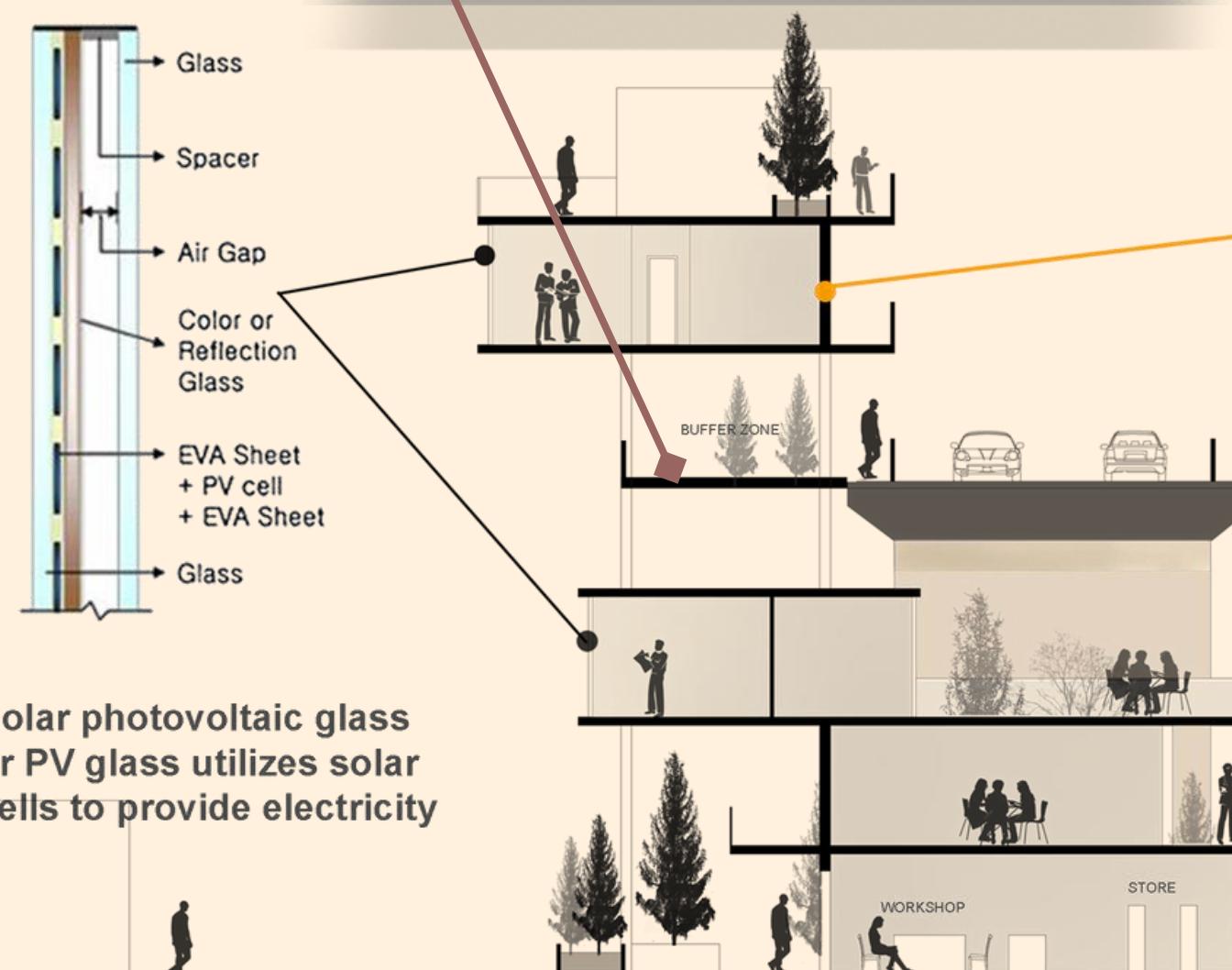
Stapid silence contains a special film interlayer that contributes to reduce sound transmission and suppresses sound waves intrusion around the critical frequency of the glass

Sustainable Materials

Colored solar panels

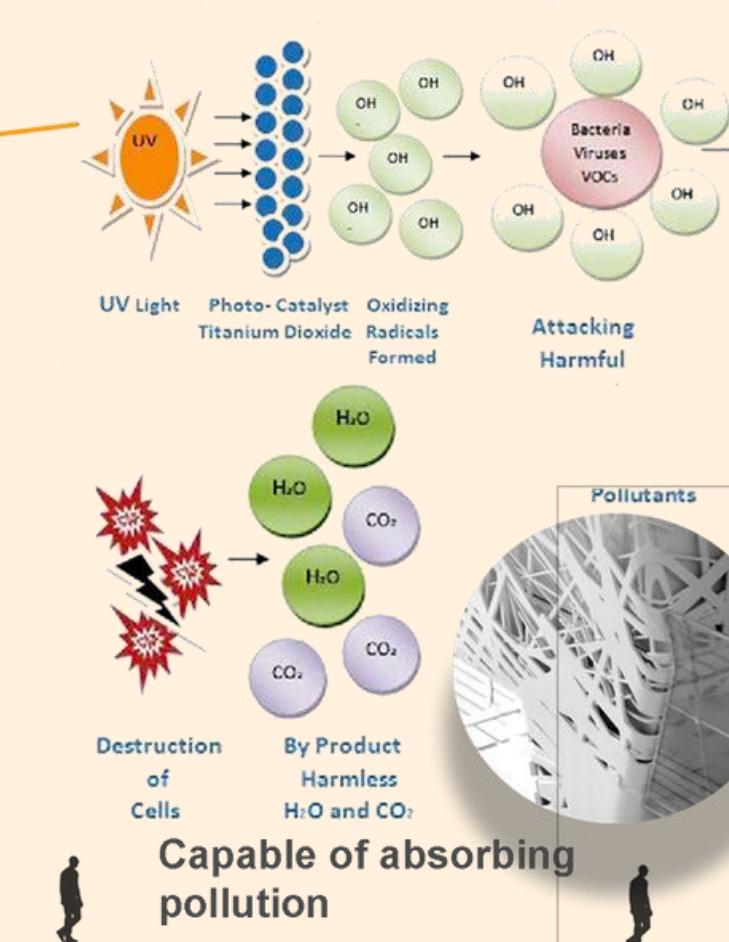


Solar photovoltaic glass or PV glass utilizes solar cells to provide electricity



Biodynamic cement

PHOTOCATALYTIC OXIDATION



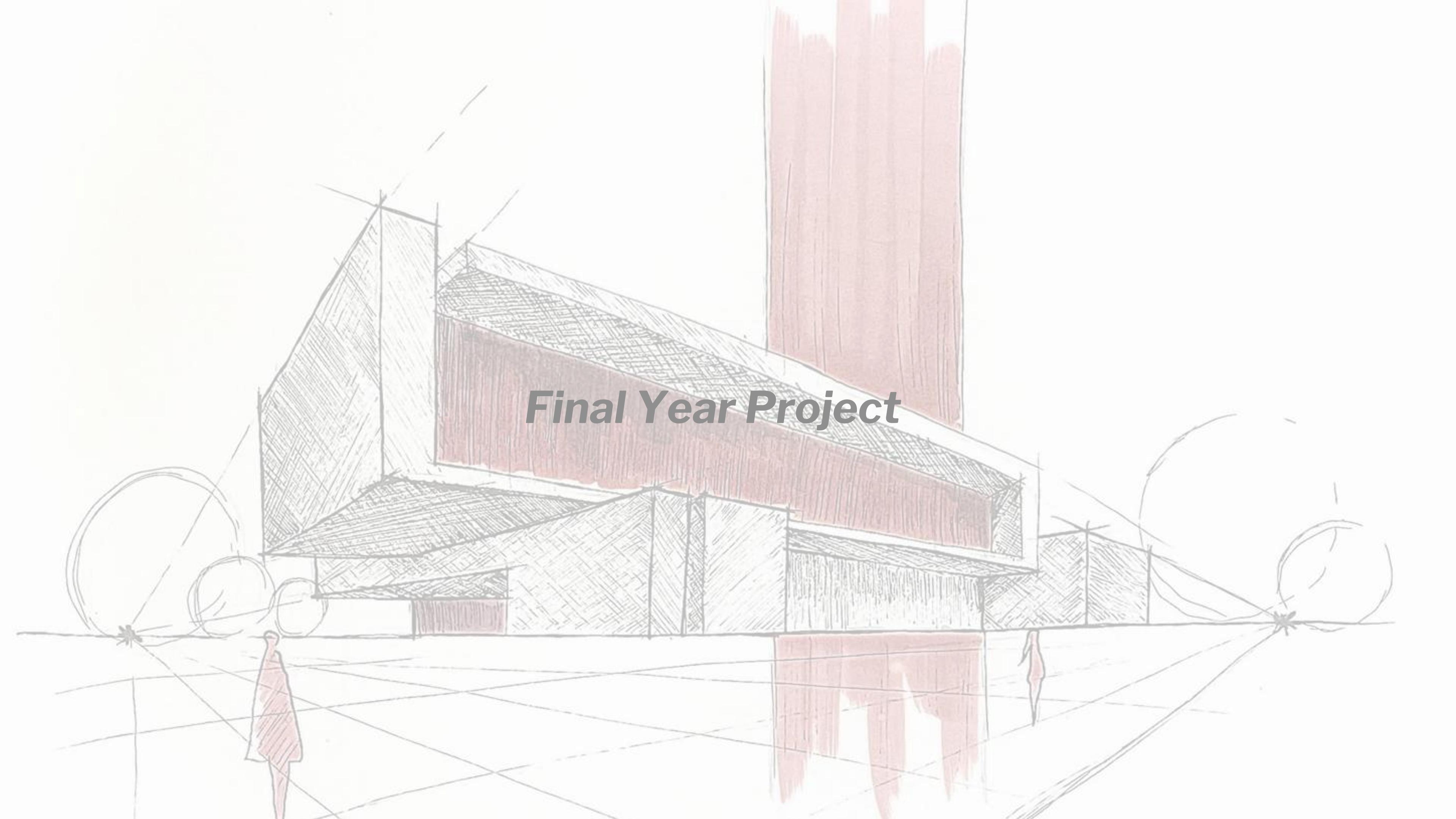
Capable of absorbing pollution

When selecting materials, we prioritized sustainable options, taking inspiration from the earth as the Bekaa region is known for its agricultural landscapes for the modules colors.

The structure is made of metal, while the house units are constructed using biodynamic cement.

The solar panels are not only colored but also serve as a source of renewable energy. Additionally, we incorporated soundproof glass to enhance comfort.





Final Year Project

TERRAIN

THEME

The theme I have chosen is architecture and well-being. Today, architecture plays an essential role in creating spaces that improve people's lives, particularly by facilitating accessibility. Well-being, in this context, encompasses not only physical comfort but also social inclusion and the development of skills, regardless of people's conditions, allowing them to play a positive role in society. This is the case, for example, for people with physical limitations.



CHOIX DU SITE-**GHOSTA**

Région montagneuse

calme et tranquille

01

Situé à la périphérie de Beyrouth
⇒ Qui permet l'accessibilité
aux grands hôpitaux lors
d'urgence

02

Possède des infrastructures adéquates
comme l'éducation et aspects religieuses
⇒ Le centre peut être sous la direction
d'un des monastères présent qui offrent
des opportunités

03

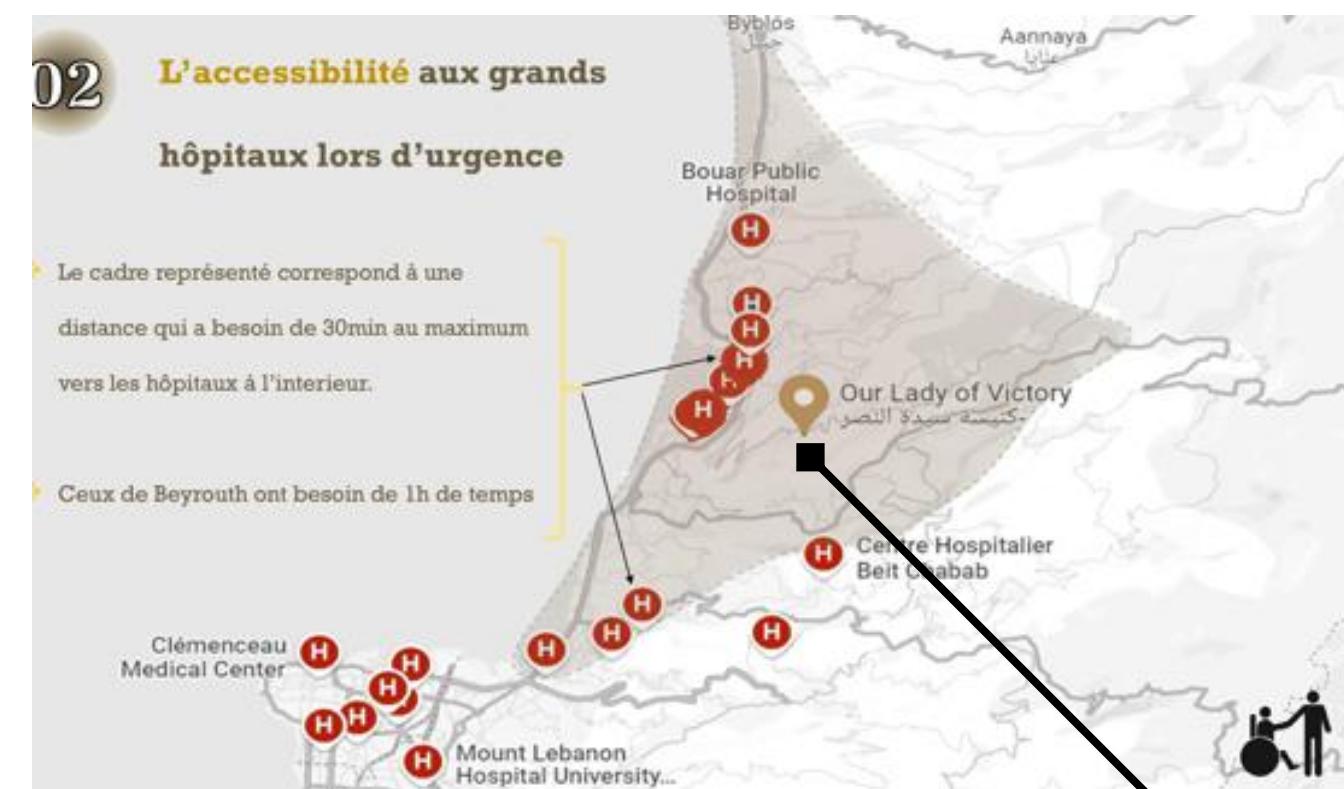
Vue panoramique vers
la baie de Jounieh

04

02

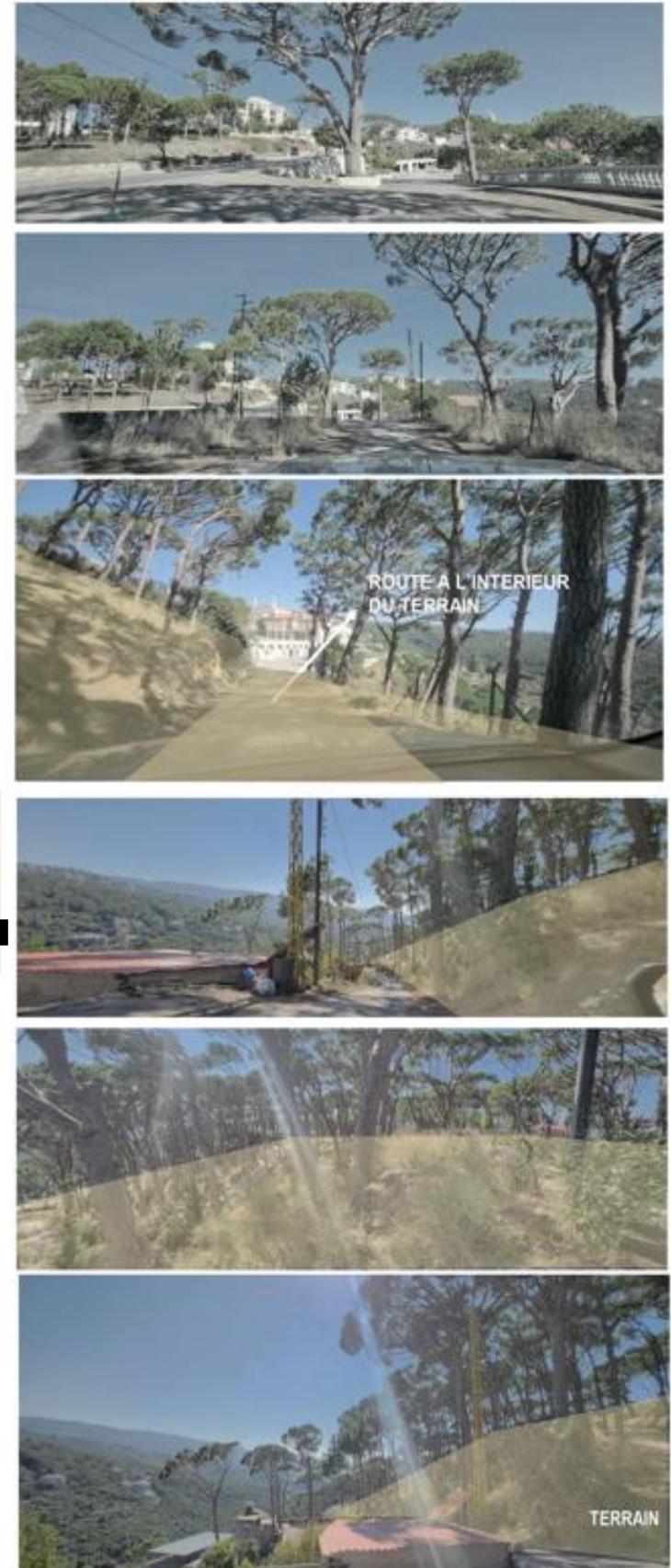
L'accessibilité aux grands hôpitaux lors d'urgence

- Le cadre représenté correspond à une distance qui a besoin de 30min au maximum vers les hôpitaux à l'intérieur.
- Ceux de Beyrouth ont besoin de 1h de temps



LOCATION -Ghosta(Lebanon)

The theme I have chosen is architecture and well-being. Today, architecture plays an essential role in creating spaces that improve people's lives, particularly by facilitating accessibility. Well-being, in this context, encompasses not only physical comfort but also social inclusion and the development of skills, regardless of people's conditions, allowing them to play a positive role in society. This is the case, for example, for people with physical limitations.



ANALYSE DU SITE-**GHOSTA**

Le terrain appartient au monastère et accessible par 2 routes. Il est de 13 300 m² avec une pente de 19%. De plus une vue panoramique vers la vallée.

CONTACT

WORK

ABOUT

Bâti/ Non bâti

0

13 300 m²

Le recul est de 12M du côté du monastère, 6 M du côté de la route inférieure et des voisins

A map showing a yellow shaded area representing a 160 M wide zone, with a 90 M dimension line below it.

Orienta

cion

Surface

Dimension et recu

9

MONASTÈRE
OUR LADY OF
VICTORY

Accessibilité

A circular map with the word 'Ghosts' repeated three times along the right edge. The map shows a network of paths and a central point labeled 'Ghosts'.

RE

14.5M

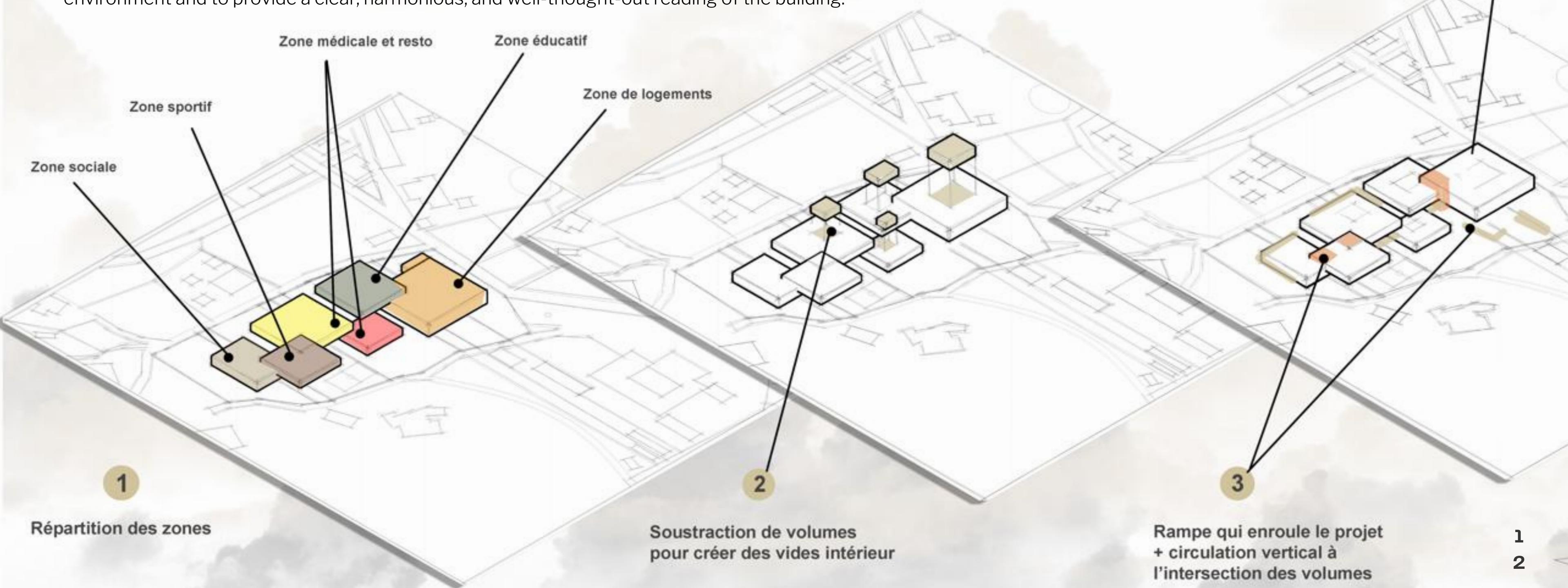
TERRAIN
Pente de 14.5M

Espace vert

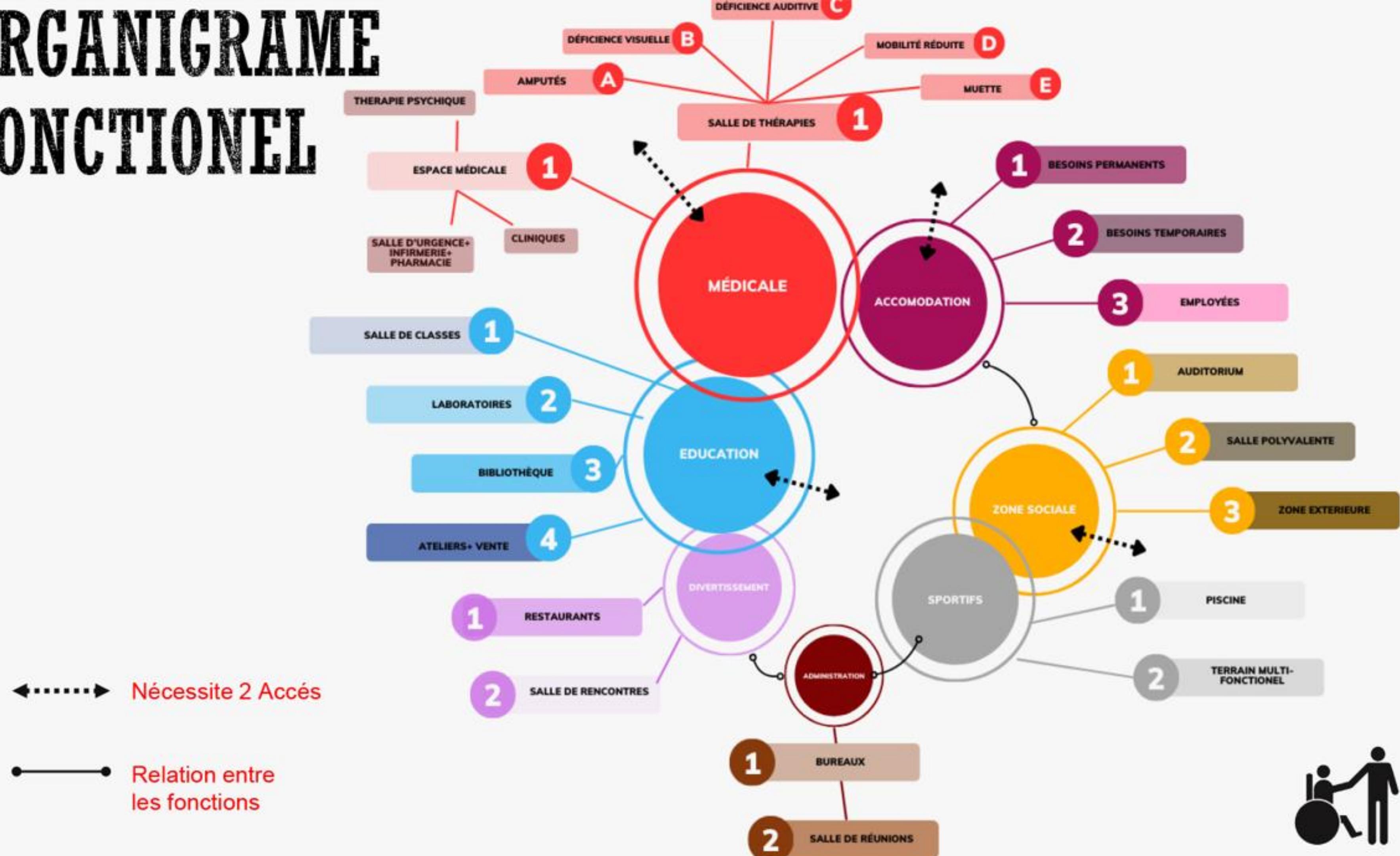
CONCEPT

The conceptual form of the project is very stimulating. I wanted to work with the site by integrating the volumes into the slope, creating interior voids within each volume, in order to generate both an airy and functional atmosphere.

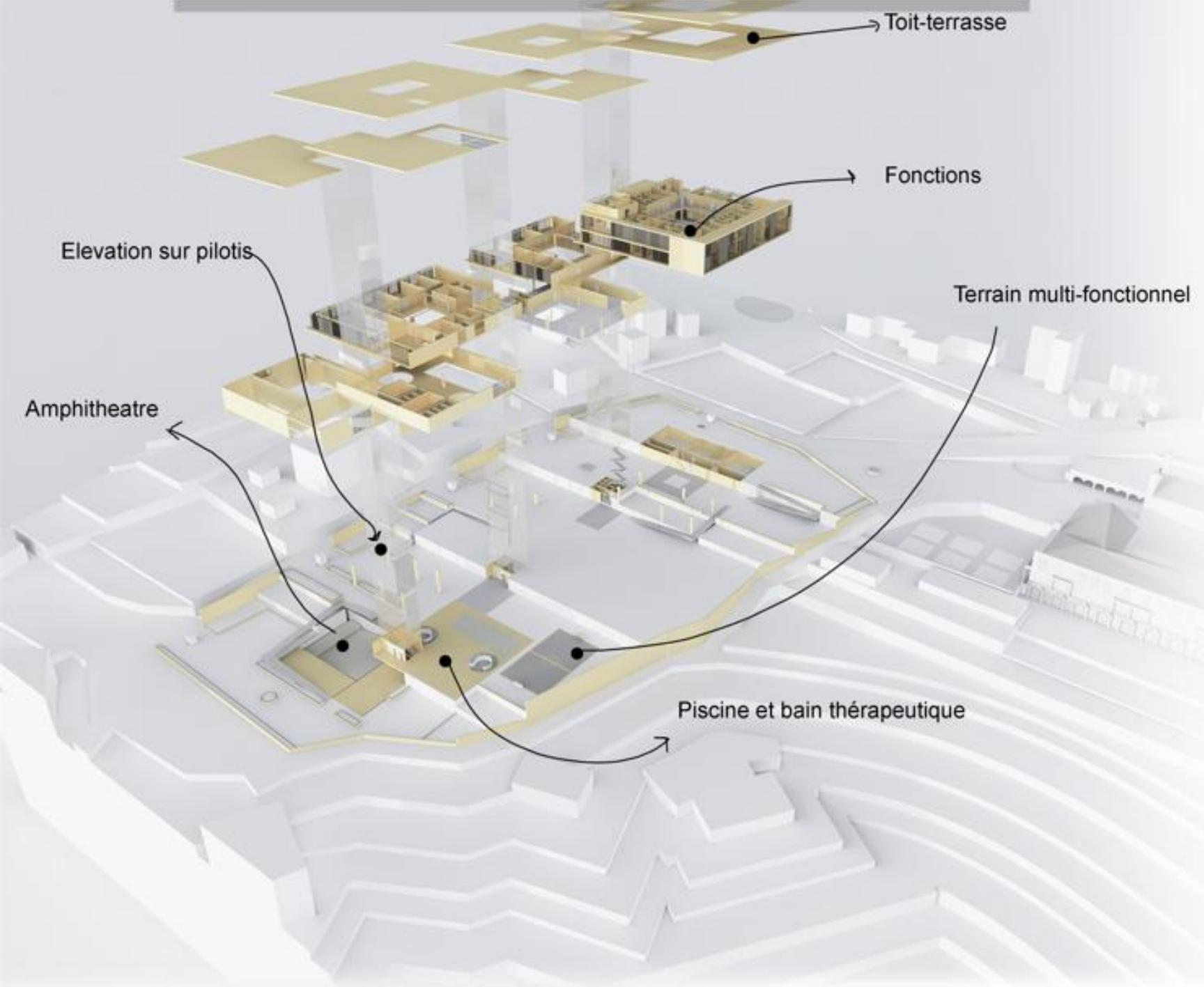
Regarding circulation, the ramp – a key element of the project – surrounds the entire site, gradually rising to the top. It winds around the volumes, sometimes hidden, sometimes fully visible. The green roof-terraces are also designed to reinforce the integration with the environment and to provide a clear, harmonious, and well-thought-out reading of the building.



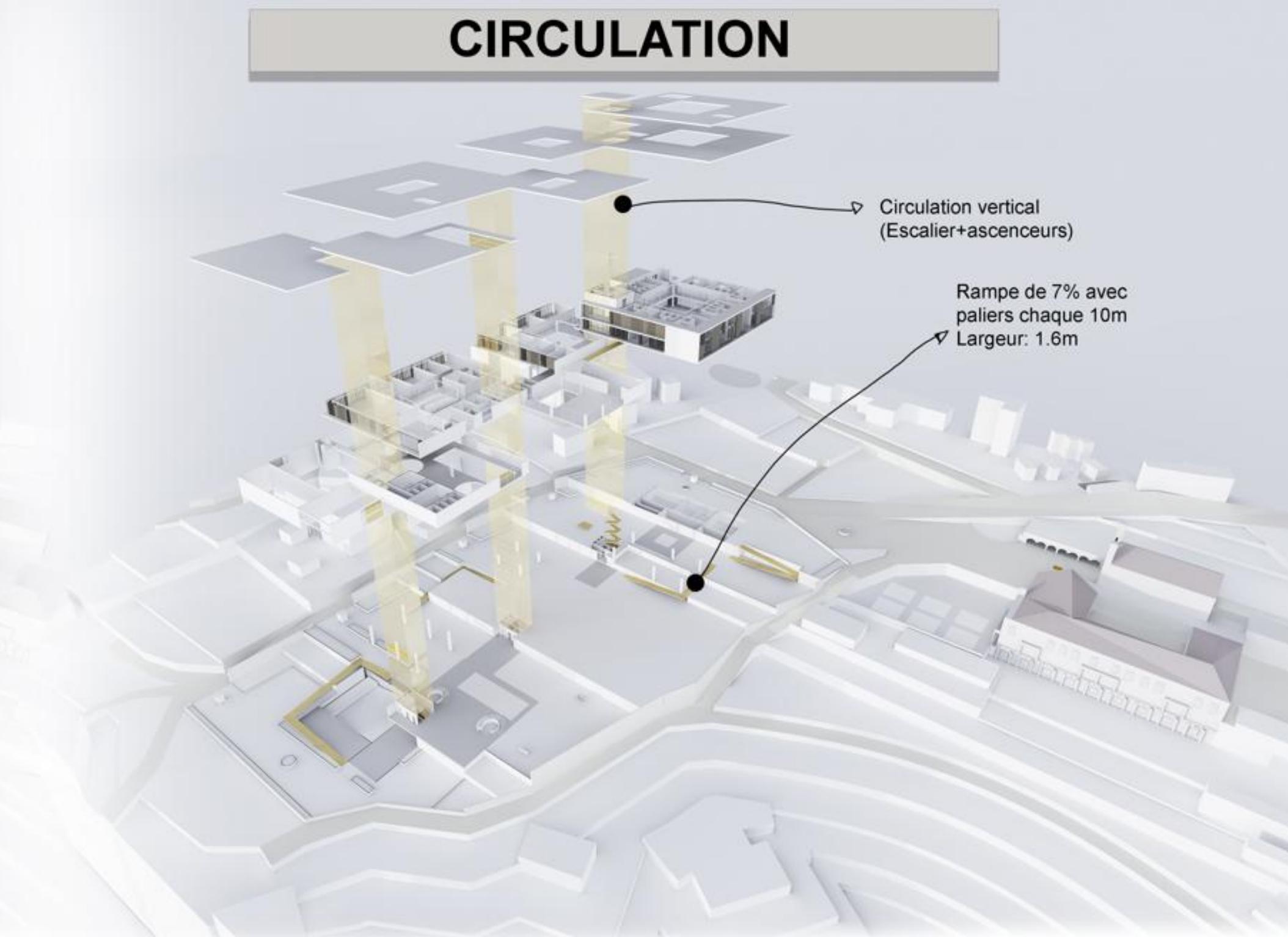
ORGANIGRAME FONCTIONNEL



FONCTIONS

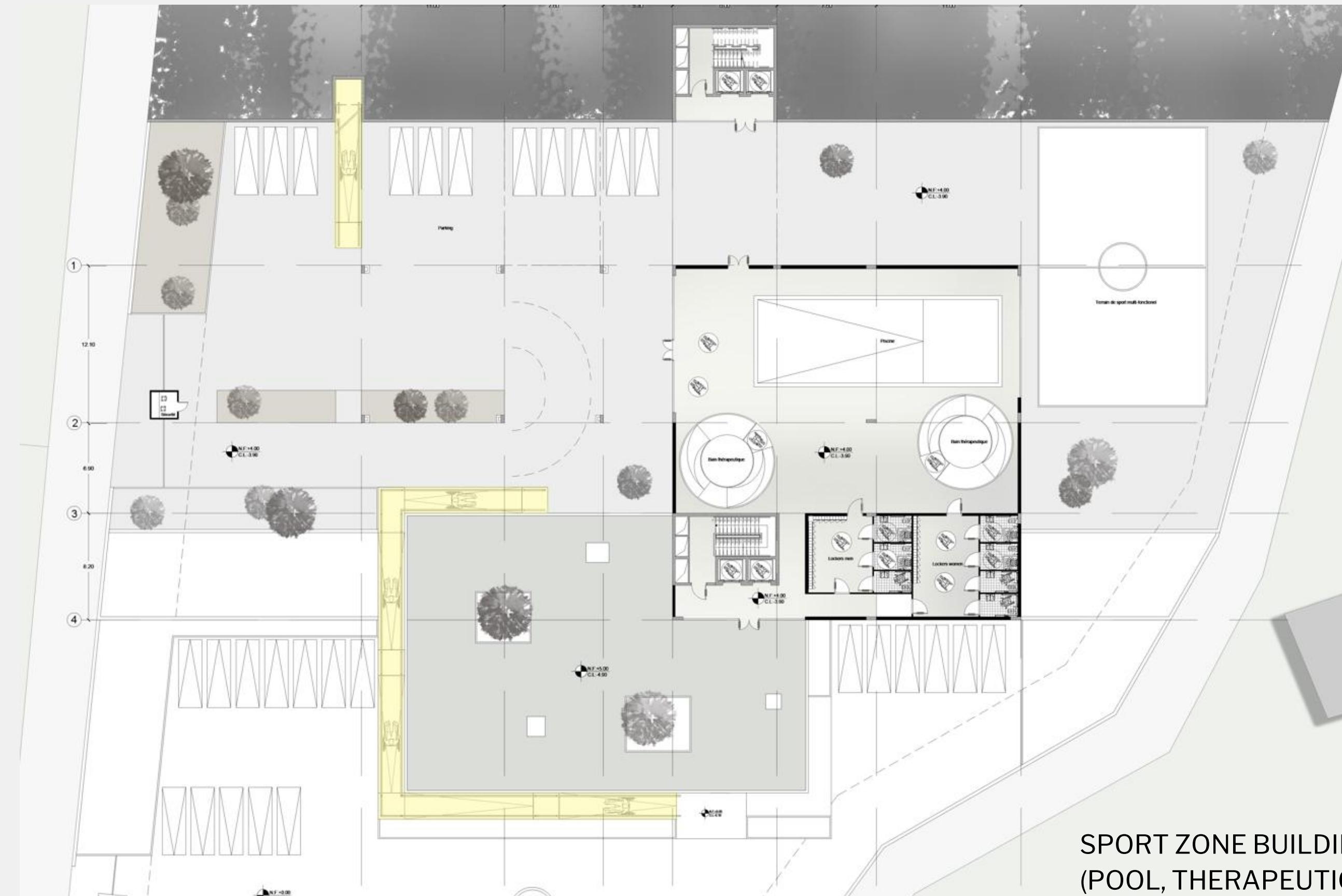


CIRCULATION

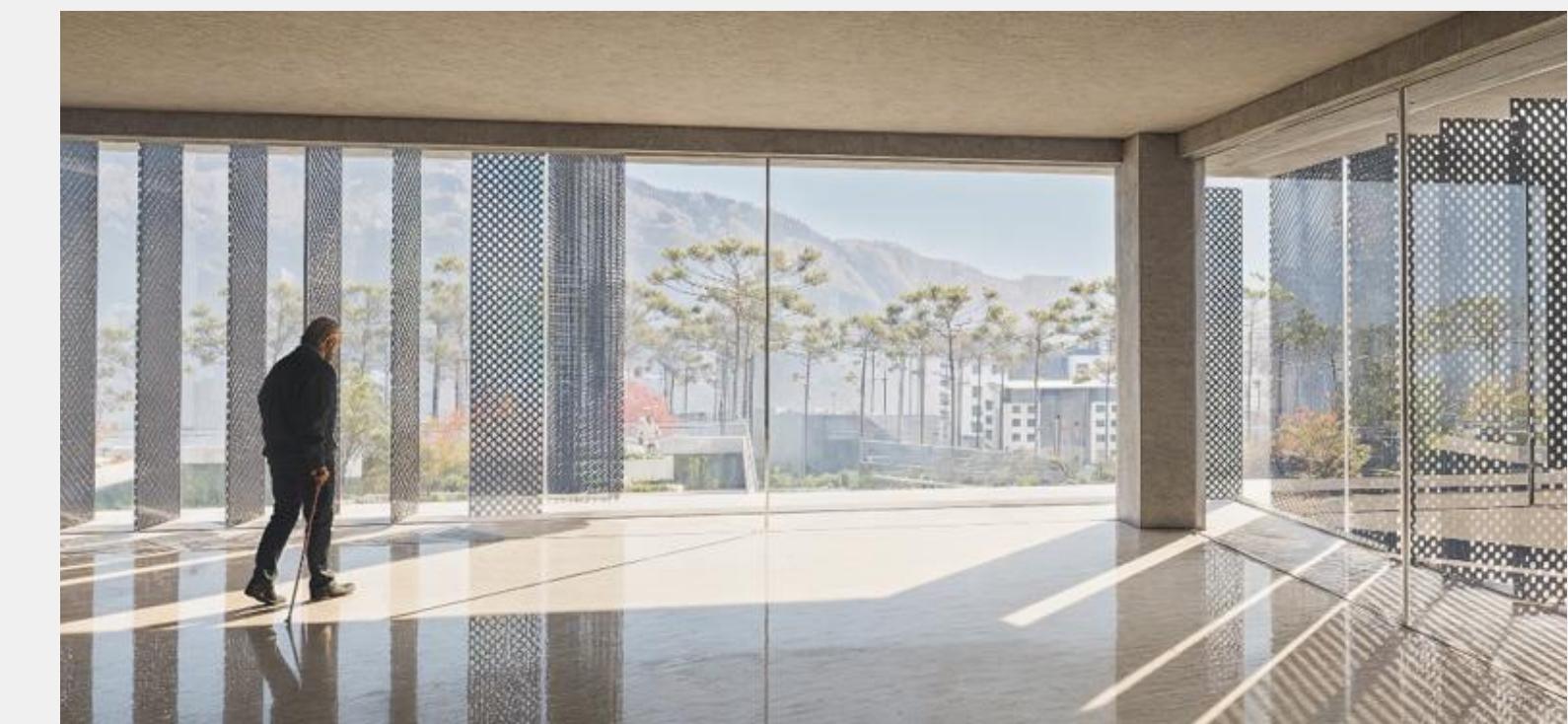
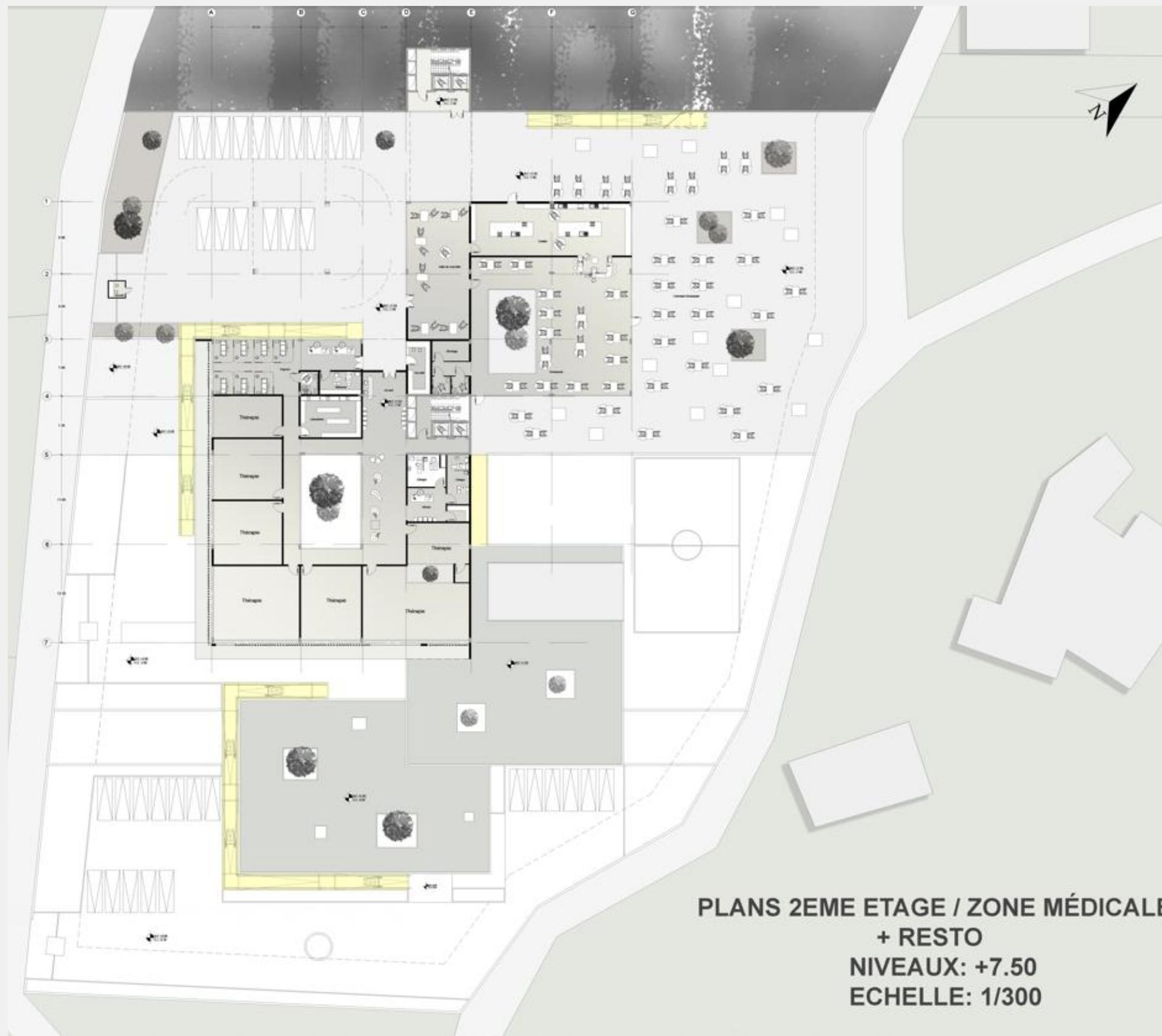




SOCIAL ZONE BUILDING MAIN ENTRANCE
(AUDITORIUM WITH SERVICE...)



SPORT ZONE BUILDING MAIN ENTRANCE
(POOL, THERAPEUTIC POOL.....)



The materials used are concrete, glass – for its transparency – and perforated slabs to ensure ventilation, protect from the sun, all while creating an aesthetic and airy atmosphere. Finally, smart glass is used on the east side, at the level of the bedrooms, to offer more privacy to the residents.



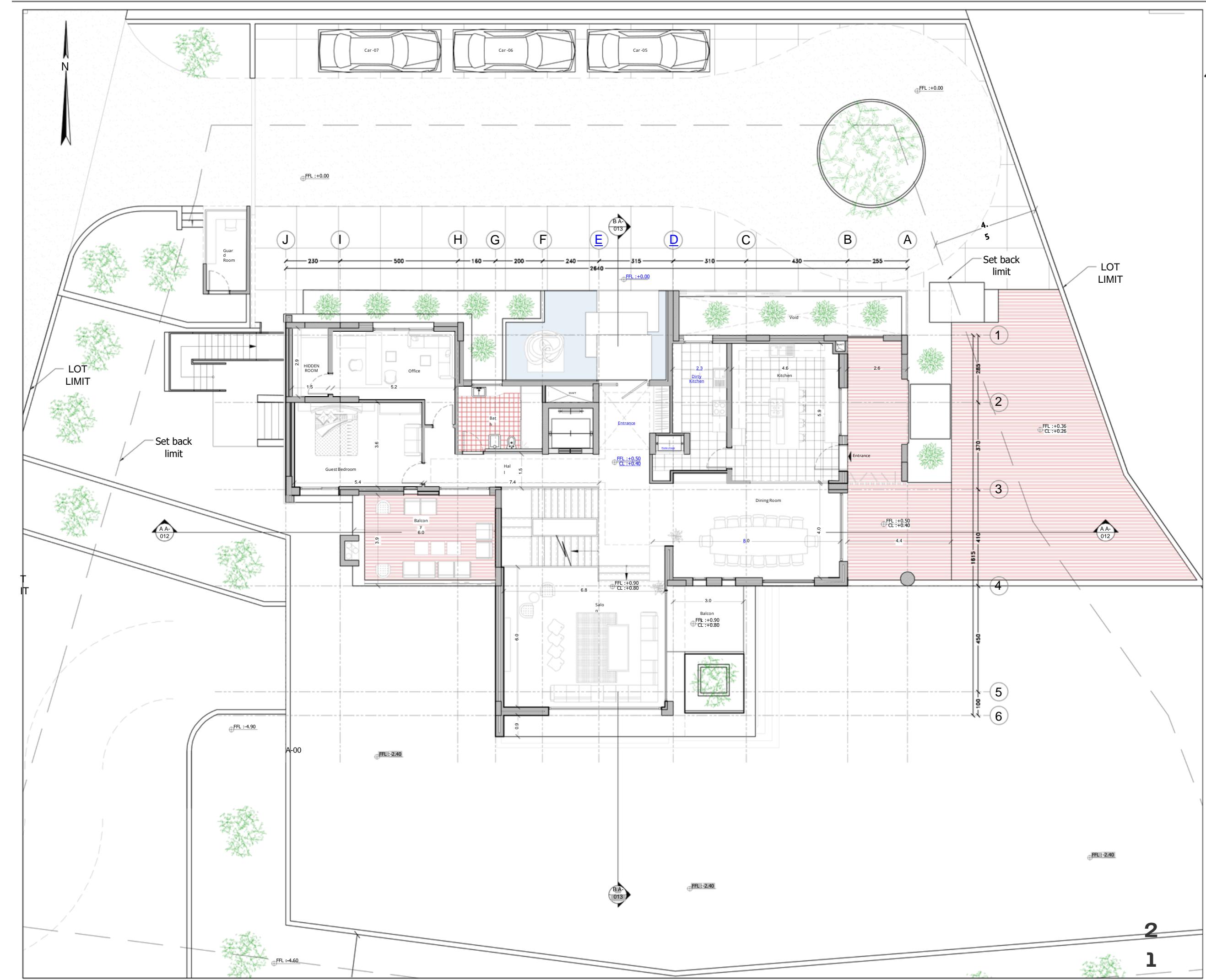
VILLA 652- ZAHLE



Nassar Residence is a private villa located on the scenic hills of Zahle, Lebanon, offering an exceptional panoramic view over the Bekaa Valley and the city. The client envisioned a modern design featuring four floors complemented by expansive outdoor greenery, creating a harmonious blend of contemporary living and natural surroundings. The project is currently in its early stages of construction, with plans set to bring this vision to life in the coming phases.

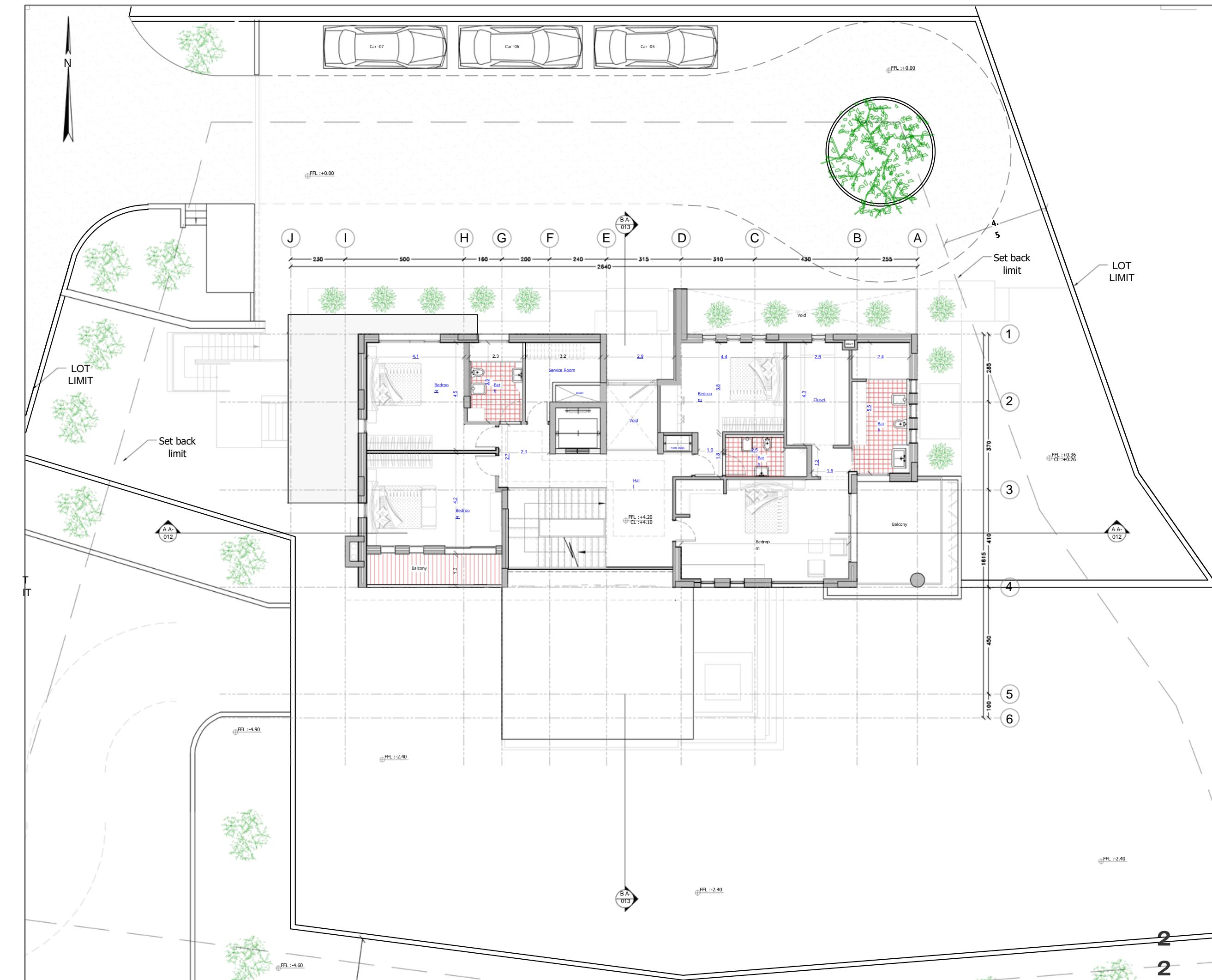
03. Nassar Residence 652

The plans illustrate the main entrance level, which accommodates the living and service zones designed for functionality and social interaction.

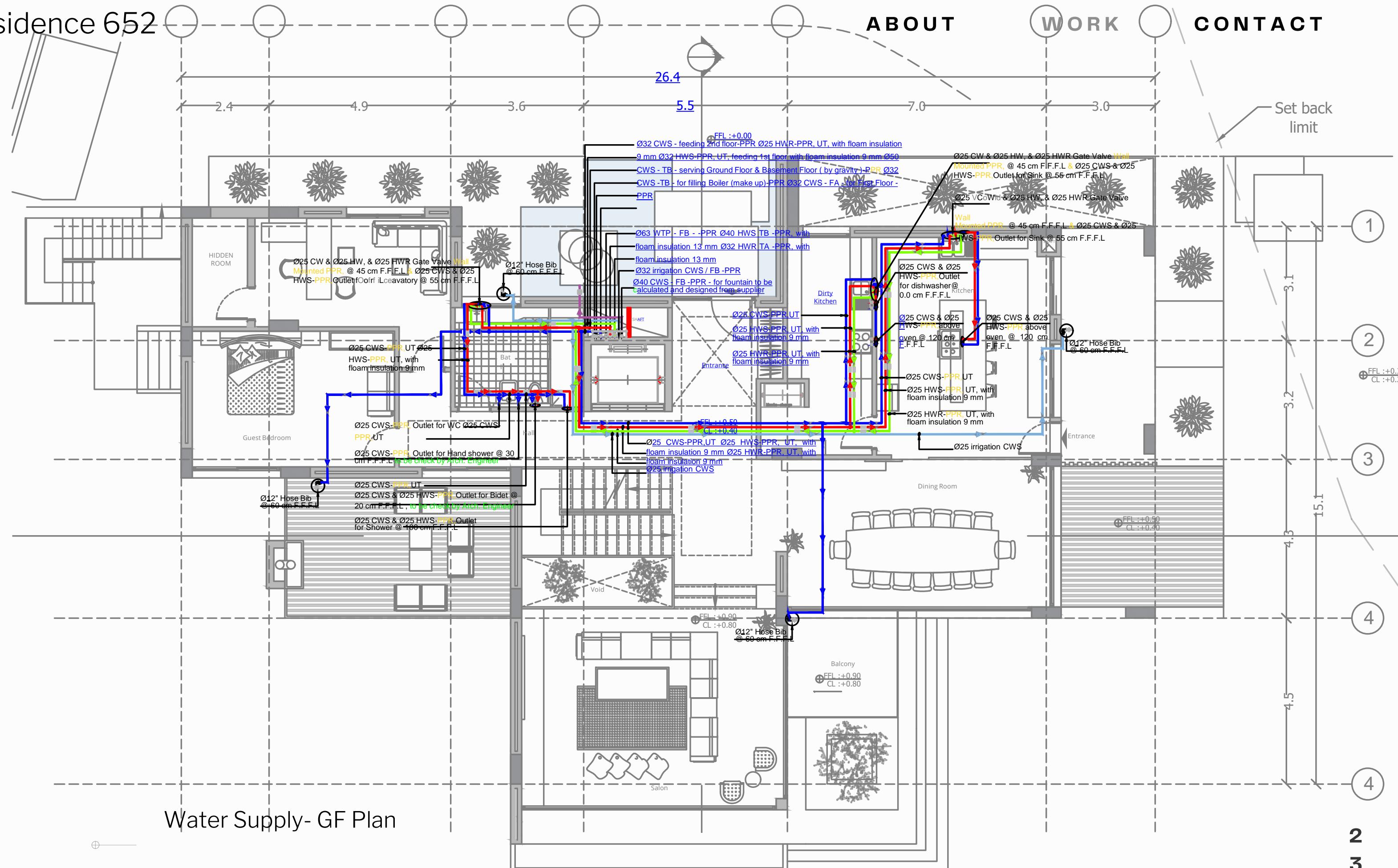


03. Nassar Residence 652

The night zone is dedicated to privacy and comfort, featuring four bedrooms, including two master suites, thoughtfully arranged to ensure both luxury and practicality.

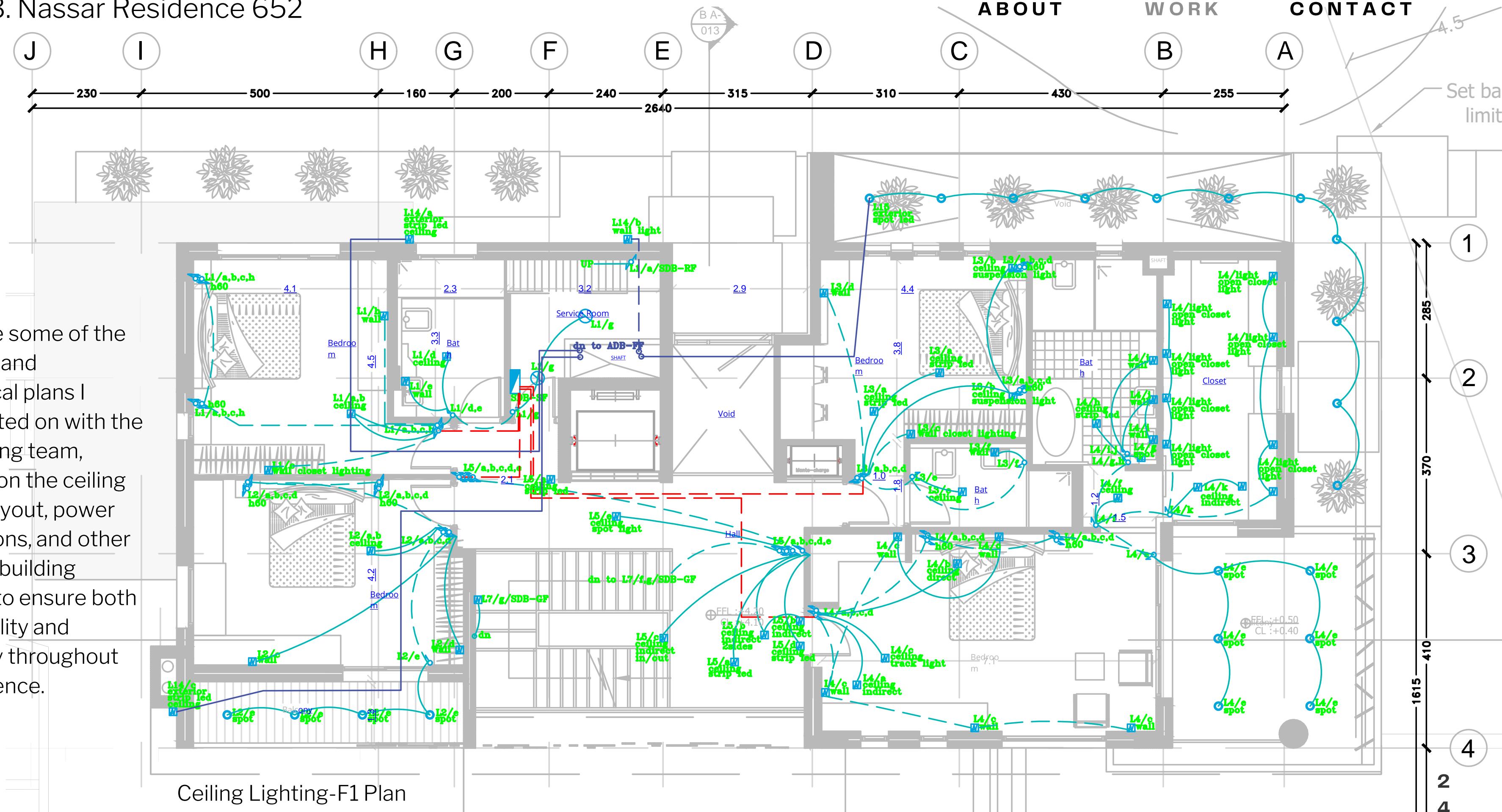


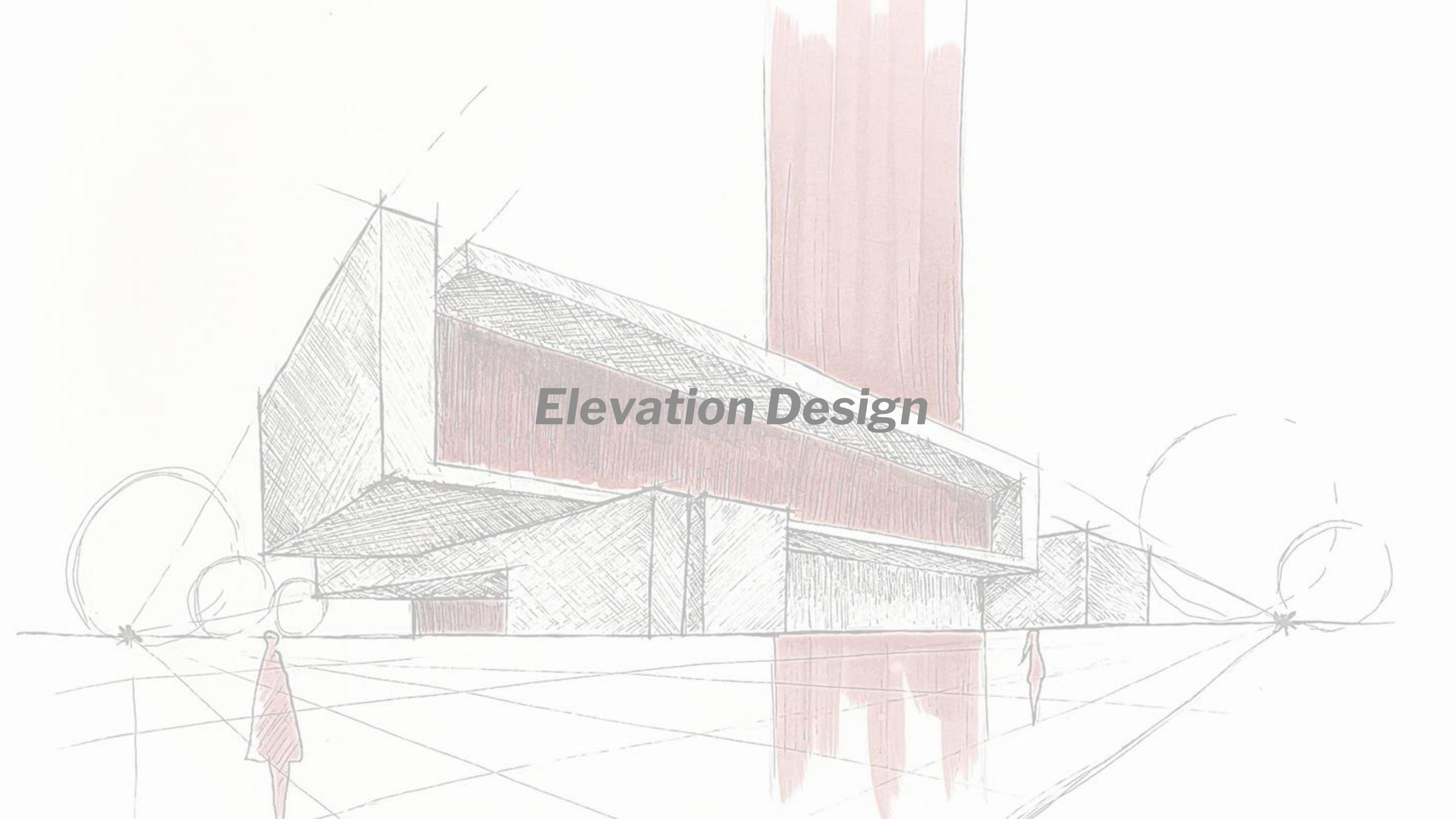
These are some of the electrical and mechanical plans I collaborated on with the engineering team, focusing on the ceiling lighting layout, power connections, and other essential building systems to ensure both functionality and efficiency throughout the residence.



03. Nassar Residence 652

These are some of the electrical and mechanical plans I collaborated on with the engineering team, focusing on the ceiling lighting layout, power connections, and other essential building systems to ensure both functionality and efficiency throughout the residence.



An architectural sketch of a building elevation. The building features a central vertical section with a textured, reddish-brown pattern. To the left, a section with a diagonal hatching pattern is topped with a triangular pediment. To the right, a section with a horizontal hatching pattern is topped with a curved pediment. The base of the building is a red brick wall. In the foreground, there are stylized trees and a path.

Elevation Design

BUILDING FAÇADE

Architectural visualization created for a prominent tall building project currently under construction in Africa. This rendering showcases the client's vision for the completed structure.



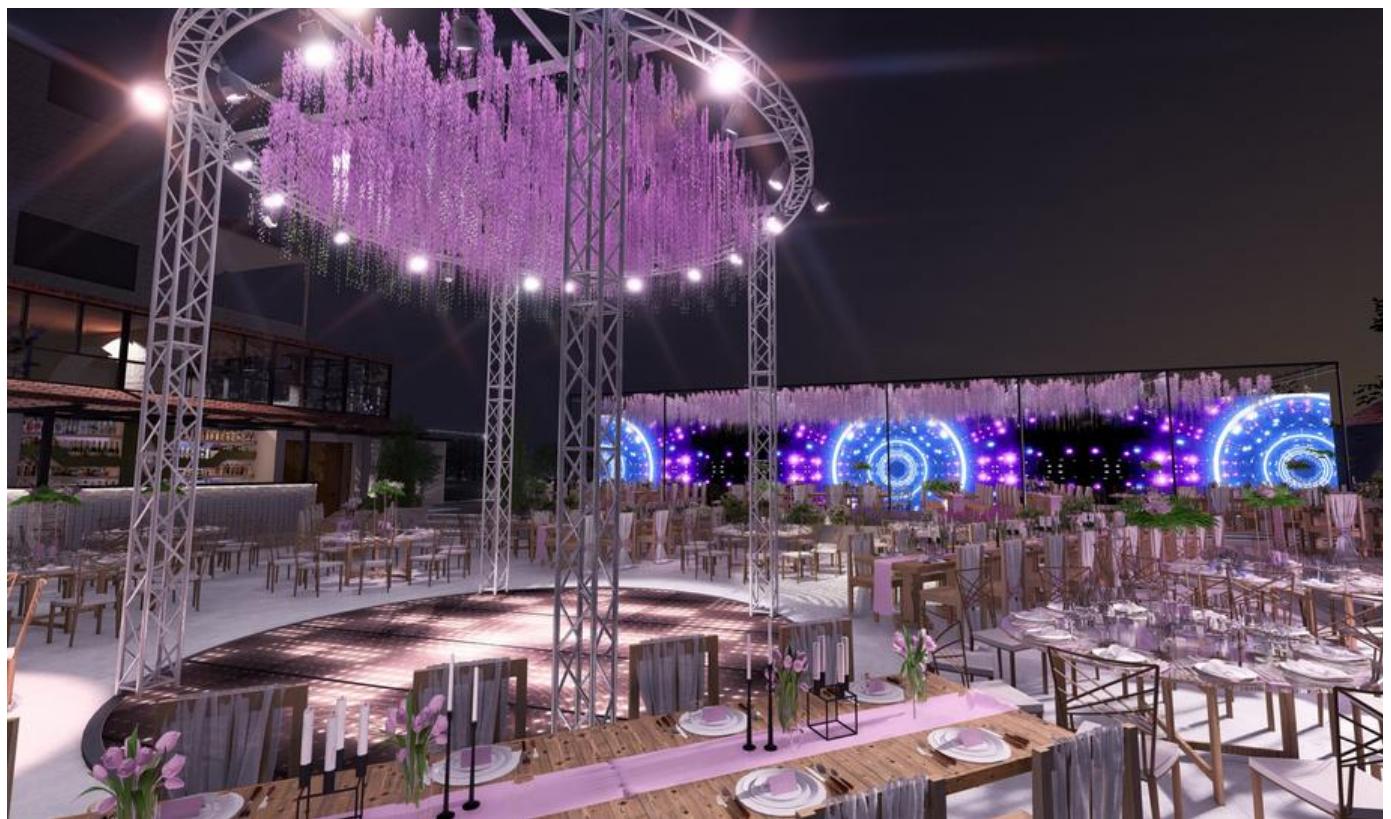


PRIVATE HOME

Detailed facade visualization for a modern private residence located in El Qalaa, Lebanon. The rendering highlights the contemporary design and architectural details for the client.



WEDDING VENUE-KEFRAYA



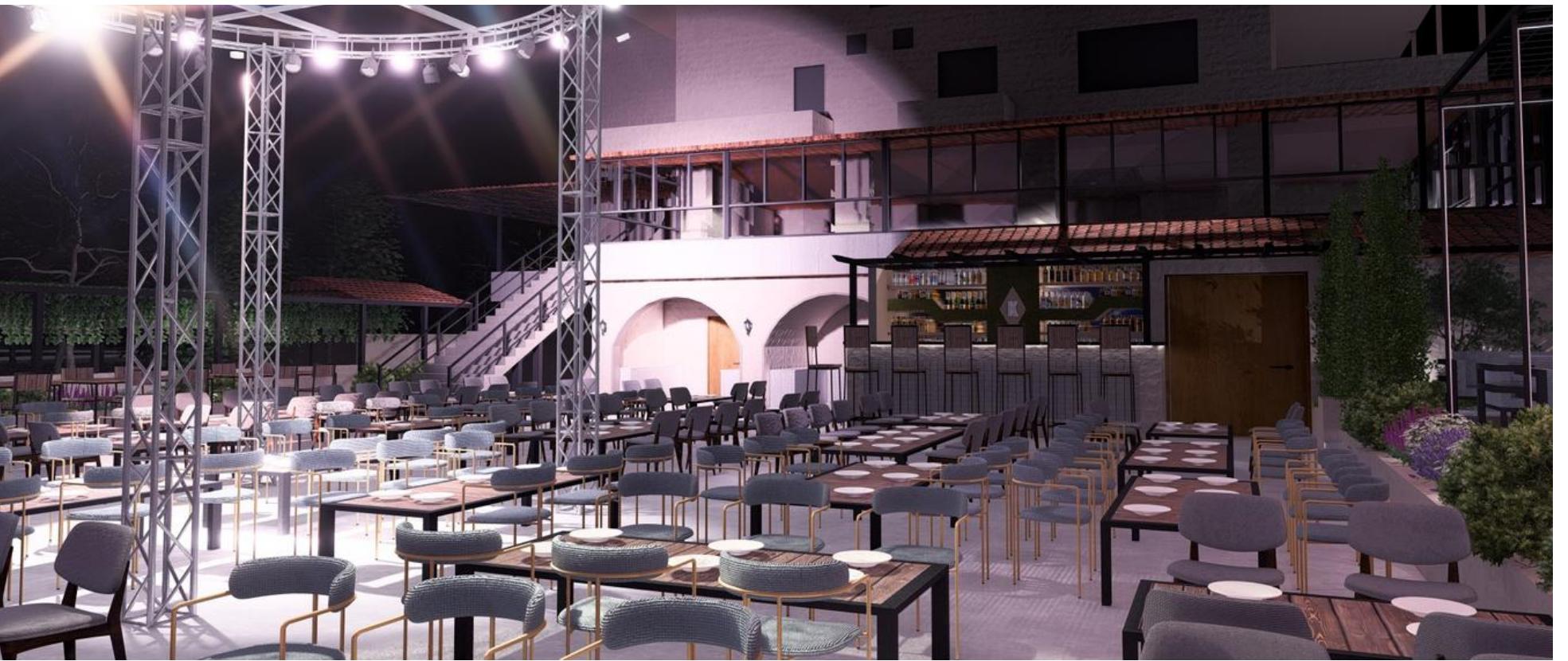
WEDDING VENUE KEFRAYA

The wedding venue, located in Kefraya, Lebanon—a town renowned for its wine production and lush green landscapes—was thoughtfully designed to reflect both the client's vision and the natural beauty of its surroundings. The layout maximizes table capacity while maintaining a comfortable flow, featuring a centrally positioned dance floor built to the client's exact measurements and a dedicated band stage for live performances. The design seamlessly blends functionality with elegance, offering a refined setting that complements Kefraya's rich cultural and natural heritage.



WEDDING VENUE-KEFRAYA

In addition, the client intended for the venue to host weekly lounge nights and parties during weeks without weddings. To support this multifunctional use, he recommended a flexible lounge and table layout, along with a specifically shaped stage that could accommodate various types of entertainment. This adaptable design ensures the space can transition smoothly between formal wedding events and more casual social gatherings, enhancing the venue's versatility and overall appeal.



INTERIOR DESIGN WORK

A modern interior space featuring a spiral staircase, a sofa, and a display wall. The display wall on the left is dark with vertical slats and contains framed photographs and a small bust. The ceiling is white with integrated linear lighting. The overall aesthetic is clean and contemporary.



LIVING ROOM DESIGN

The design of the living room was developed in accordance with the client's specifications, with careful attention to ensuring it reflected a modern and contemporary aesthetic. Every element—from the layout and color palette to the selection of materials and furnishings—was thoughtfully chosen to align with the client's vision while emphasizing clean lines, open space, and a sleek, sophisticated style.



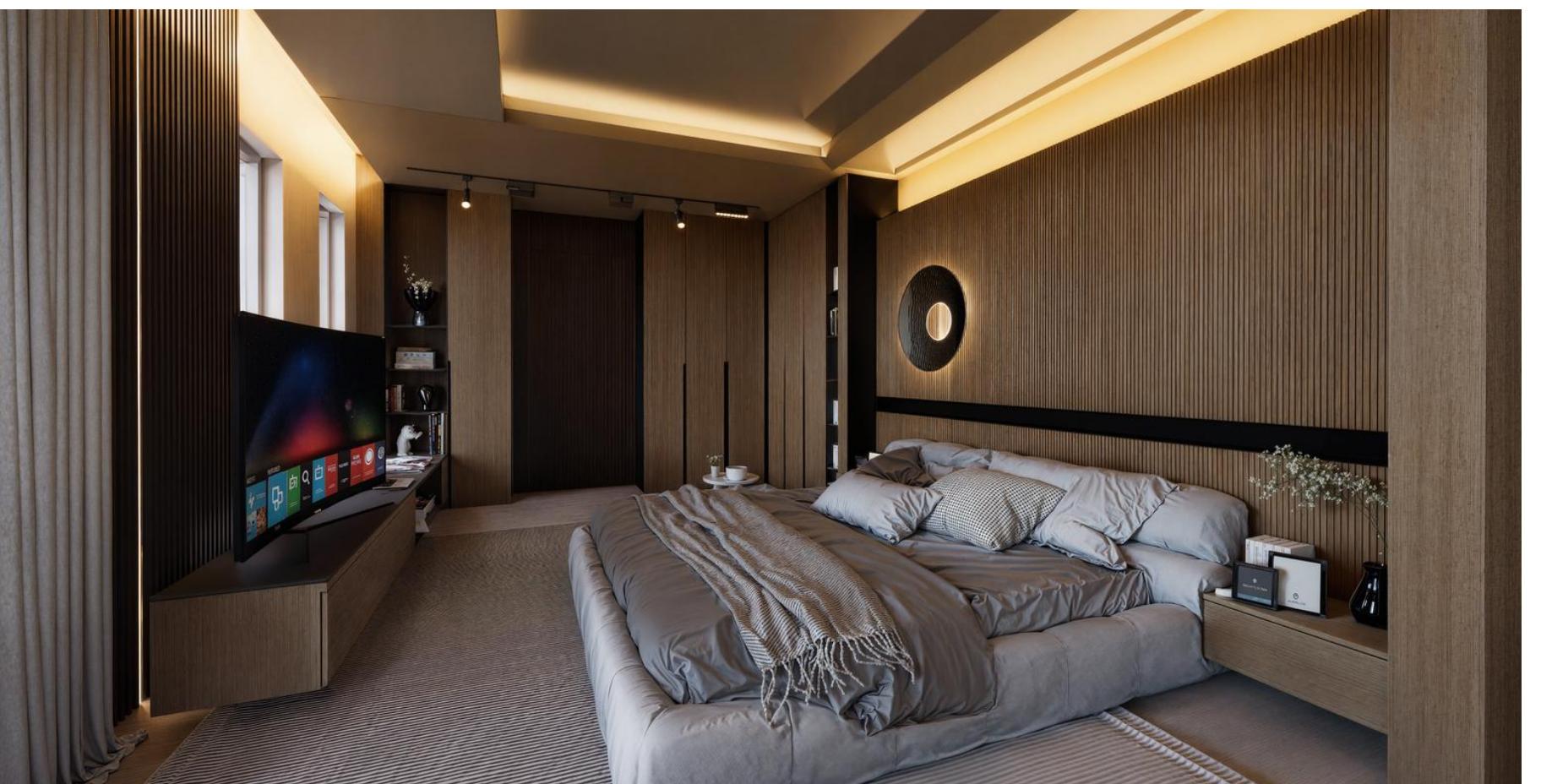
MASTER BEDROOM DESIGN AND WALK-IN CLOSET

The master bedroom and its adjoining walk-in closet were designed to meet the client's requirements, combining functionality with a modern, elegant aesthetic. The space features a clean and cohesive design, incorporating high-quality finishes and a neutral palette to create a calm, refined atmosphere. The walk-in closet was tailored for maximum storage efficiency while maintaining a sleek and organized layout, fully aligned with the client's expectations.









Contact Information

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