

# ARCHITECTURE PORTFOLIO

MAHA BOUCHHIOUA

Selected works



## RESUME

Maha BOUCHHIOUA

Born in september 10th 1993  
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Arabic : native language  
French : fluent spoken and written  
English : fluent spoken an written  
Spanish : proficient level  
Turkish : proficient level



### EDUCATION

2018/2019 : School of Architecture at Tunis, Tunisia - **Professional Internship**  
2017/2018 : School of Architecture at Tunis, Tunisia - **5th Year Architecture Diploma**  
2016/2017 : School of Architecture at Tunis, Tunisia - **4th Year Architecture Diploma**  
2013/2016 : School of Architecture at Tunis, Tunisia - **1st Cycle Architecture Diploma**  
2012/2013 : College of Human and Social Sciences of Tunis - **Preparatory Class of Fundamental English**  
2008/2012 : Pionner School of Medenine - **High School Diploma in Mathematics**

### PROFESSIONAL EXPERIENCE

05/2019  
**Currently** : **Intern - Architecture-Studio, 10 rue lacuée, Paris, France**  
Participation in the PALAZZO NICE MERIDIA site monitoring  
Montenegro hotel competition, phase of design  
Urban project in Al-Ula Saoudie Arabia

12/2018  
04/2019 : **Yassine Souei Architecture, Zarzis, Tunisia**  
Diwan Accommodation, Ras Jdir, Ben Guerdan : Developped preliminary designs : plans, sections and elevations, realisation Lumion renderings, attending meetings  
Chamakh High School, National Contest: Developped elevations and 3D modeling

2017 ( 2 months) : **VISIO Architecture, Port Louis, Mauritius** - Intern in Architecture -  
Hotel Project Le Palmier : Design, Rendering Graphic on Photoshop  
Site Visits : SK Group, Port Louis Theater Project  
Introduction to the Notion of Tropical Architecture

2016 ( 2 months) : **A2D Architecture and design Agency, Tunis, Tunisia**- Intern in Architecture -  
Visiting construction sites : Cultural Center of Tunis, Collective Social Housing, offices  
El Euch Building : Developped sections and plans

2015 ( 1 month ) : **Archi Frame, Tunis, Tunisia** - Intern in Architecture -  
Commercial Building : Developped sections, plans and 3D modeling  
Bank El Amen, Nacer 2, Offices Interior Design : Developped plans and 3D modeling

2014 ( 1 month) : **H.M Office, Zarzis, Tunisia**- Intern in Architecture  
Villa Souihel : Hand Sketfching: plans, sections ans elevations

### ARCHITECTURE SKILLS

2D Drawing : Hand drawing ●●●●, Autocad ●●●●, Revit ●●●●  
Presentation : Photoshop ●●●●, Indesign ●●●●, Illustrator ●●●●  
3D Modeling : Hand Drawing ●●●●, Revit ●●●●, Rhino ●●●●  
3D Rendering : Lumion ●●●●, Landscape ●●○○

### INTEREST

Vernacular Architecture , Painting, Sports, Travelling, Photography

## [02] RESUME

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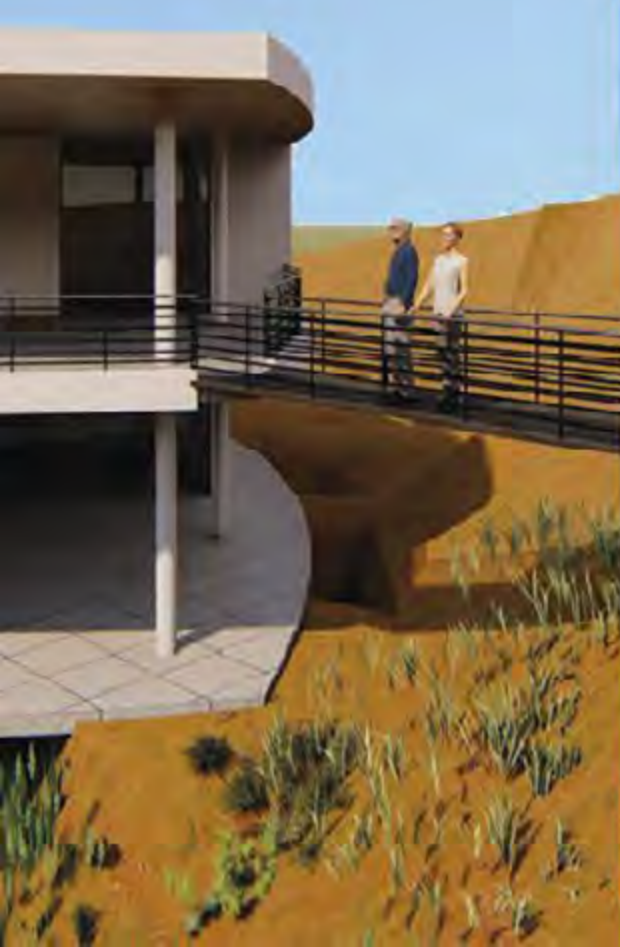
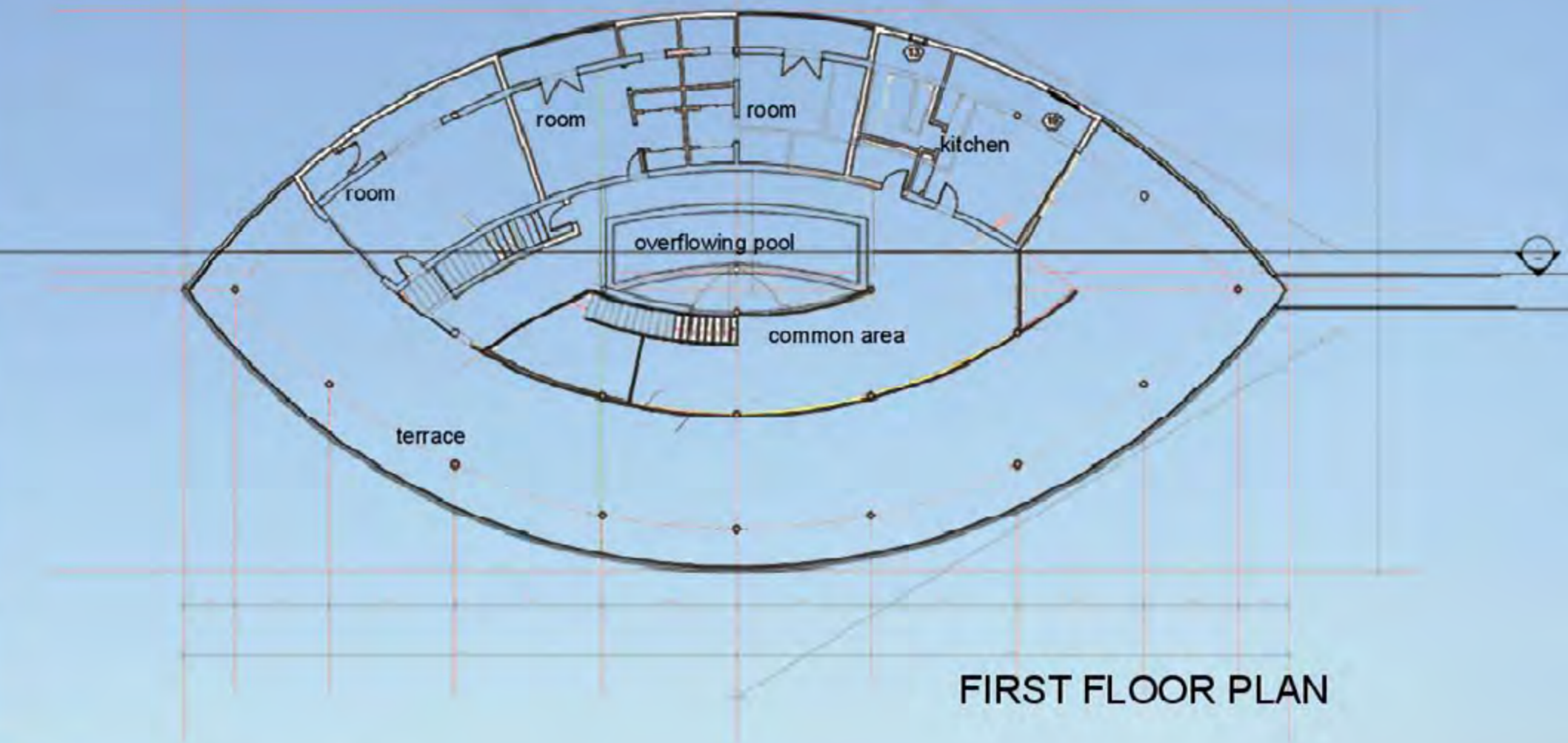
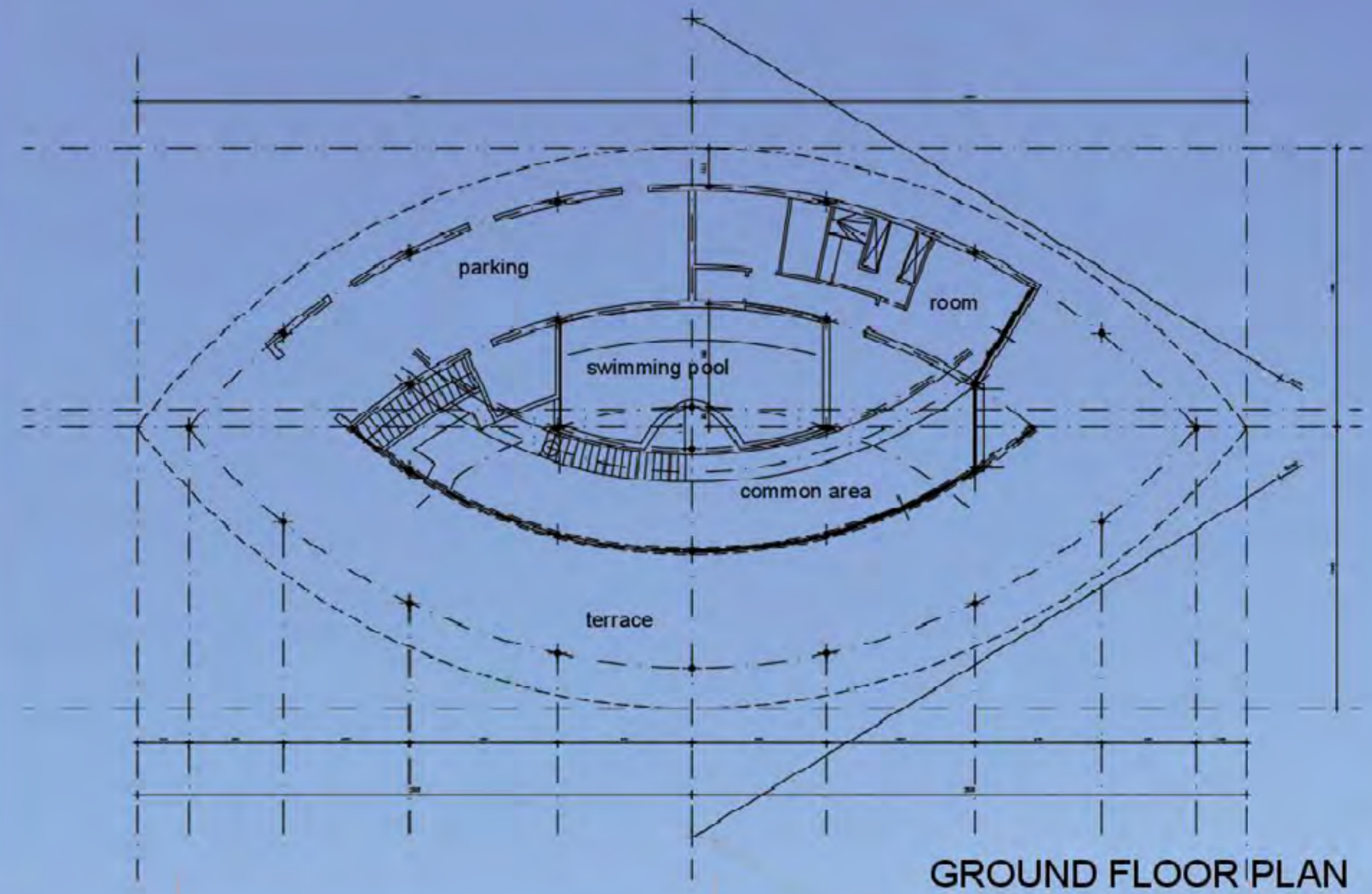


# The eye - Guest house

Morocco  
Yassine Souei office

In a deserted place in Morocco, there is our guest house in the form of an eye. The house is built elevated, on stilts on two levels.

On the main facade there are two large terraces overlooking a beautiful natural view. The spaces are placed around the two bunk pools. The filtration of light is done through the large glazing and the opening in the roof.





# OFFICE BUILDING CONSTRUCTION PROJECT

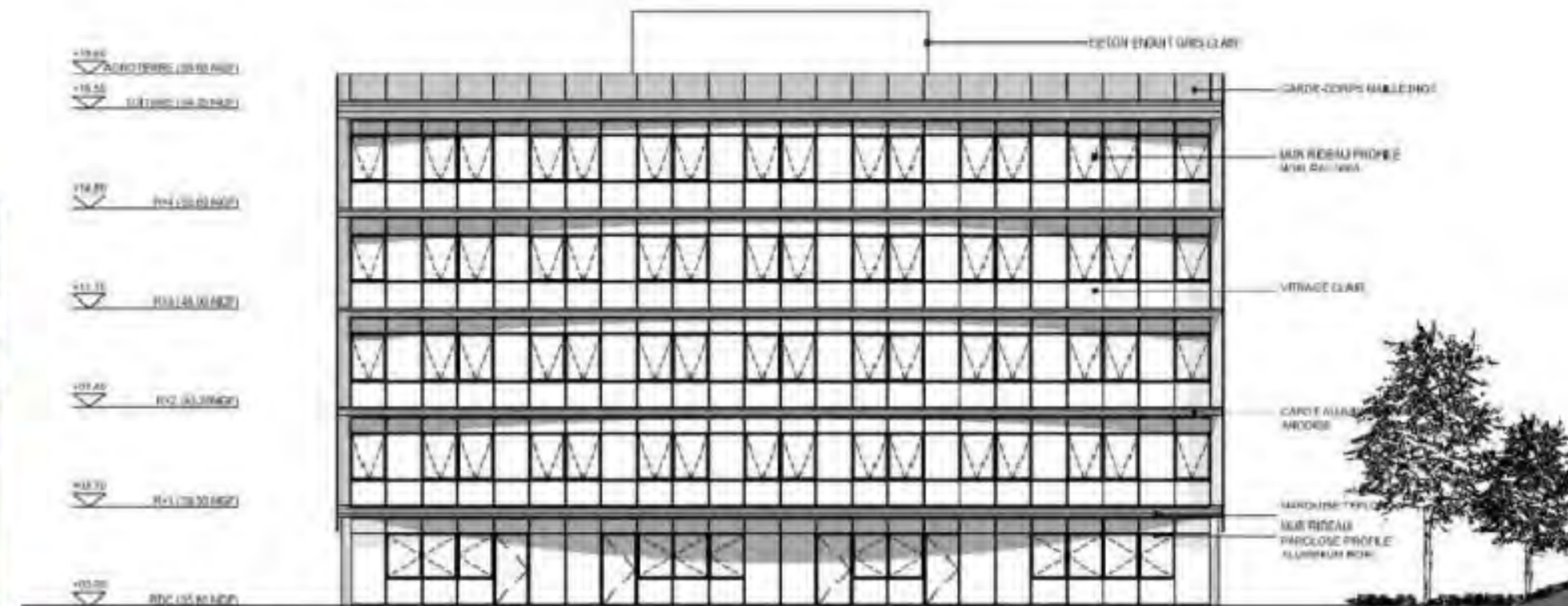
## VILLE NEUVE D'ASQ

Lille-France  
architecture-studio

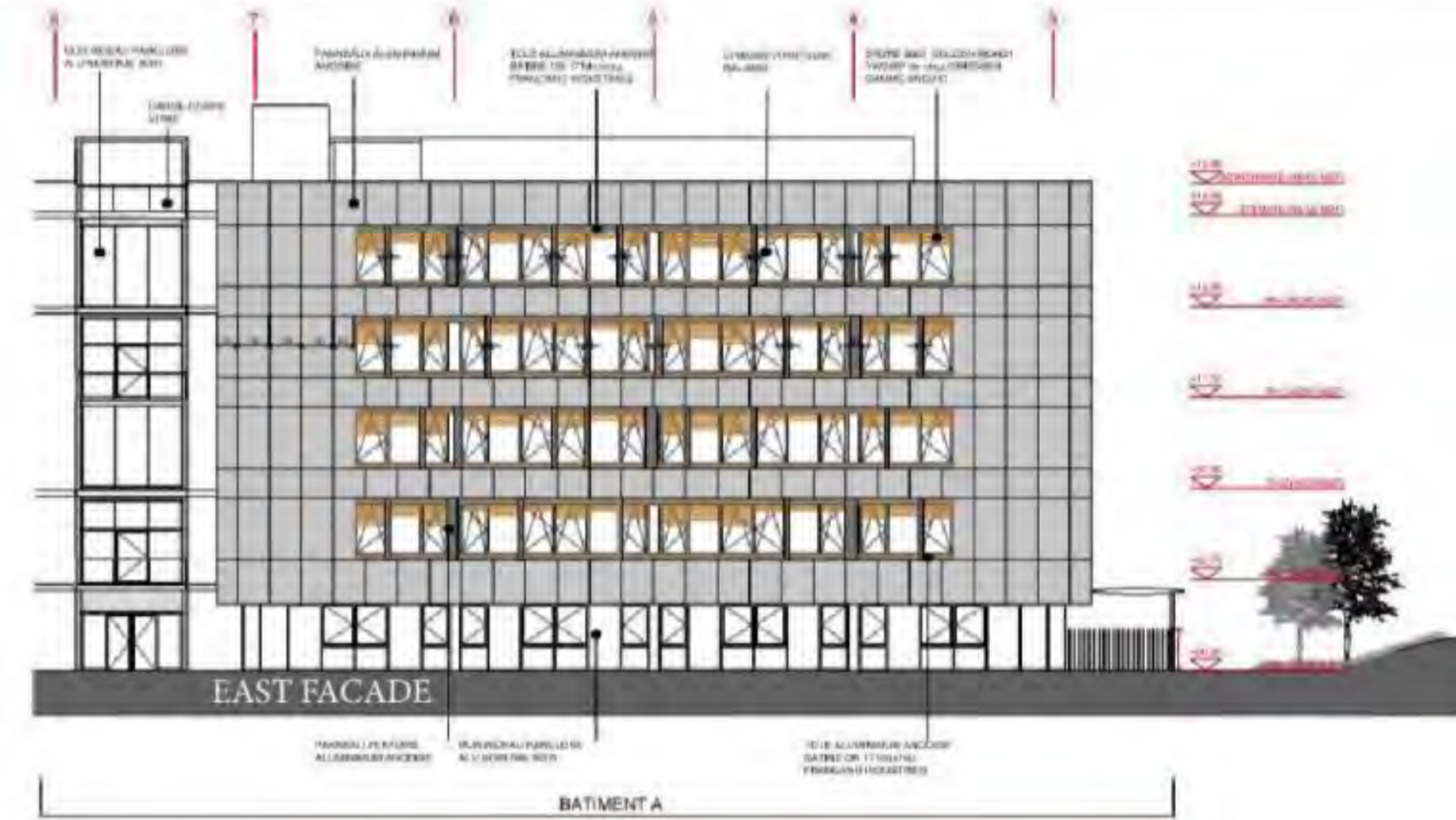
The construction of a new office building on the LT 35 plot located in the municipality of villeneuve d'Asq is based on a complete renewal of the three existing office buildings currently on this parcel. This new construction offers the opportunity to profoundly change the image of the business park Business Pole des Prés which occupies a privileged place in the south of the agglomeration of Lille.



Site Plan



NORTH FACADE



EAST FACADE

BATIMENT A



MASTER PLAN

BATIMENT A  
PC n° 59009 16 00034



GROUND FLOOR PLAN







## Pallazo Nice Meridia, Nice France Lot 1.1C

2008 - 2019

### An ambitious program on a constrained site

The Lot 1.1C program includes 3,087 sq. M of offices dedicated to Horus Pharma and 4,771 sq. M of other offices, ie a total of 7,858 sq. M. To be developed on a rectangular plot of 1,512 sq. M. governed by strong urban rules. The project must have 25% green space (378m<sup>2</sup>) of which 15% of land (227m<sup>2</sup>).

The maximum height allowed is 35m, and the volume must guarantee a double north and east alignment, in order to mark the urban front facing the main axes of the district.

Miment must finally participate «in an urban animation», via a dynamic interface of programs in the city.

Located on the old agricultural wasteland of the plain of the Var, the project of Nice Méridia is the opportunity of a soft mutation of the territory in order to harmonize the development between city and nature.

The landscape is the fruit of a legacy of a society and an ever-changing time.

You have to become aware of it by taking into account the actions to be taken and the measures to be taken. In order to anchor the project in innovation and the technologies of the future, and in a strong will of sustainable development which asserts itself through the valorization of the spaces, the autonomy and the energy management, the enhancement of the natural space ...

This approach leads to imagine a wood frame building allowing the implementation of a dry site with very little waste.





**THE BUILDING MUST PARTICIPATE «IN AN URBAN ANIMATION»**

**Urban and landscape integration:**

The project for lot 1.1C takes advantage of its key location. Located in the area between two of the main axes of Nice Meddle (Avenue Simone Veil and Avenue de l'Universite), offering ample clearance on the large landscape, represents the head of one of the most strategic sectors.



**STRATEGIC LOCALIZATION**

Pole of world excellence At the heart of the Plaine du Var. quality of strategic sector by the Territorial Development Directive, the project of Eco-Vallee, promoting a geological, economic and social development of this territory, was designated in 2008 among the Operations of National Intertitle (OIN). The ambition is to create a reference territory in terms of sustainable and economic development, a «Silicon Valley Green», of international influence.



work on the terrace



brainstorming



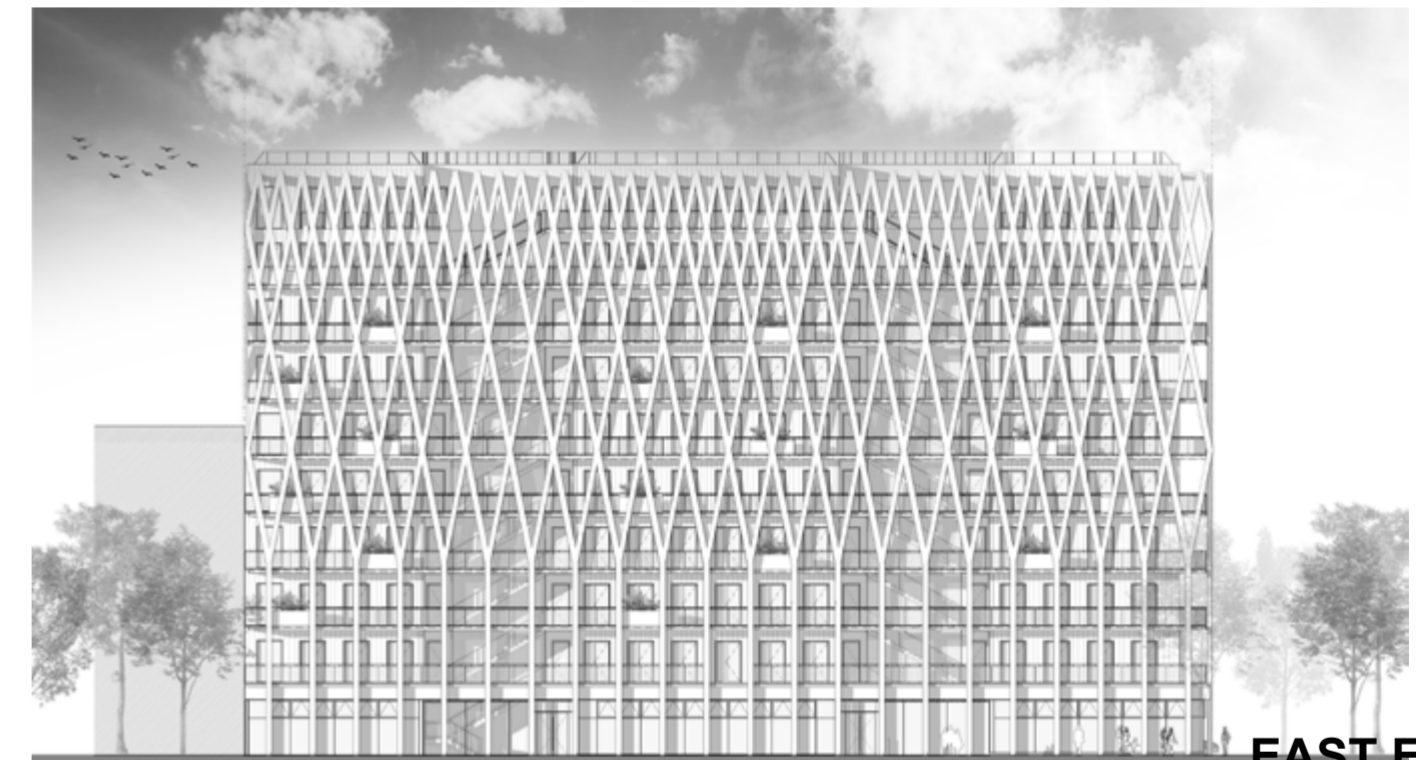
reading corner



outdoor café



**GROUND PLAN**



**EAST ELEVATION**



**NORTH ELEVATION**





**... With the urban environment during the project:**

A vertical building, marking the corner of the avenue Simone Veil and the green coulee.

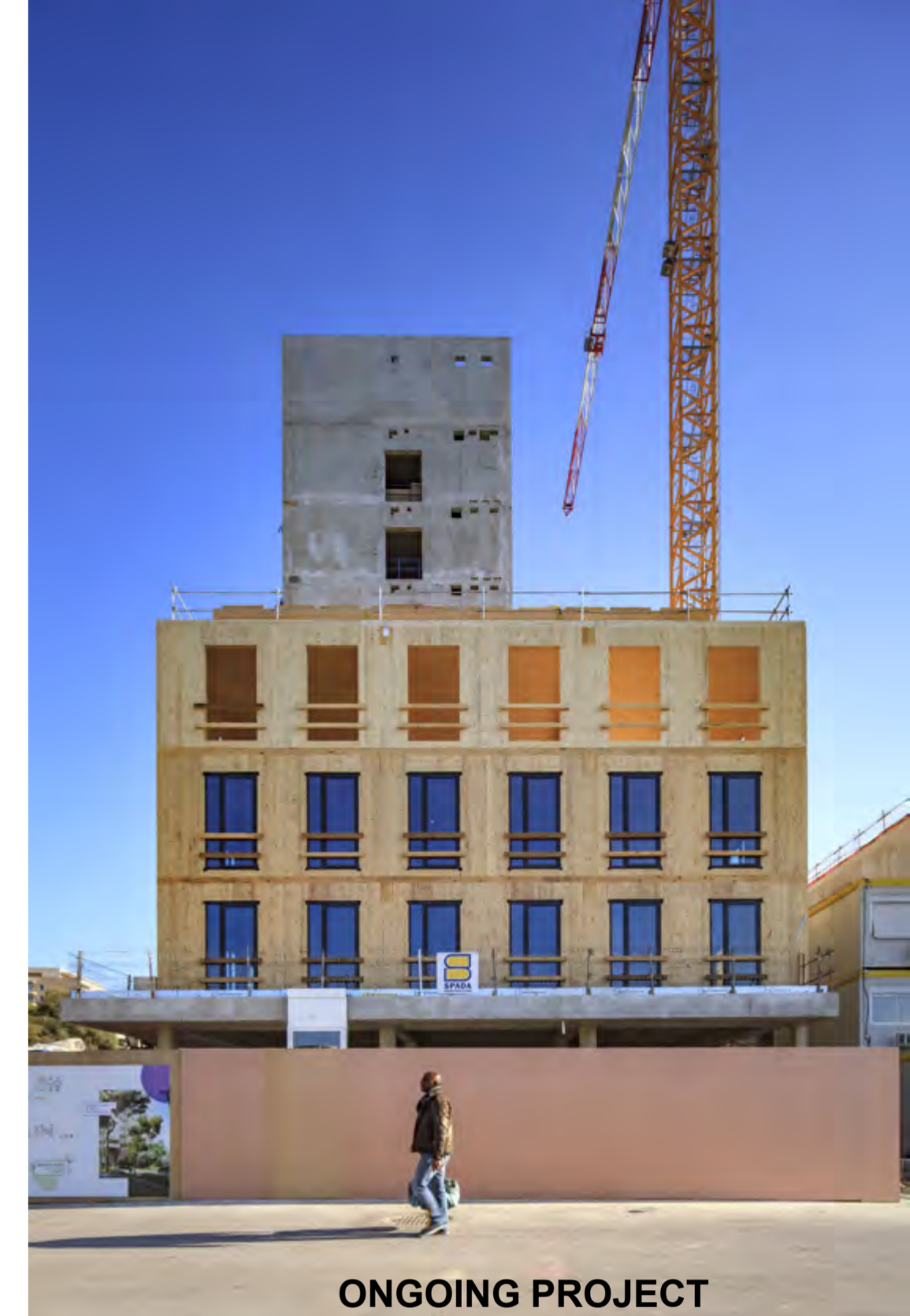
Kind of openwork monolith, it is a real signal to the architectural and urban tots.

Unique, it stands out from its neighbors by its rich and ambitious architecture, while cultivating the red fit of Pilot: a double skin facade with «ladies» verticantes, reinterpreted on both sides of the batch 1.1 c by ('vertical origami silo parking and the translucent lamellas of IMRED.

The perception of height is thus relativized by the work of an external trellis, the image of a canisse, which offers depths varying according to the position of the point of view. a claustra, this second skin plays with the light to sift, domesticate so that it becomes a major element of the composition.

The streaks of light imprint on the large curtain that constitutes the claustra and reveal a print effect on all the façades, this protection puts the light on the scene and allows a chromatic work on the inner skin which enhances and qualifies the volumes.

Between rigor and softness, the pure lines of the facade are designed shield that wraps and protects.







**Worship and Culture Center of Sidi Yati, Graduation Project**  
Djerba, Tunisia

Heritage is the intergenerational communication tool that forges awareness and a sense of belonging that determines identity. The subject of heritage arouses the interest of all, everyone responds in his own way, for the same outcome; which is the safeguarding of the inheritance, thus giving it a new life for a coherent continuity of the chronological frieze.

But how to revive an authentic space without denaturing it?

A general question that touches any space with heritage. Among them, the island of Djerba, the sweet island located southeast of Tunisia. The story of Djerba is seen as a richly colored puzzle, because of the diversity of its events and its evolution. A puzzle that seems incomplete, in view of the lack of interest that has suffered a part of its history, Ibadisme, and reflected in the dilapidated state of his works.

Despite its value as a component of identity, the Ibadite heritage is likely to be forgotten for lack of transmission of information and knowledge, hence a requirement for the rehabilitation of this heritage.

One of the most remarkable Ibadite inheritances is the Sidi Yati mosque, a heritage whose negligence engenders the loss of material and immaterial values. It is therefore with the aim of renewing the mosque that our problematic is inserted, in order to rehabilitate the mosque, restore its true value and revive its soul. An intervention that will take into consideration the Ibadite principles in order to perceive them in their interiorities, to understand their vision of the world and aims to value the Ibadite vernacular architecture of Djerba.





## Urban context

Sidi Yati is a site that represents a strong spiritual connotation. Apart from the mosque on which we will make the intervention, the site contains other mosques, a zaouïa and a cemetery.

Tunisia



Djerba Island



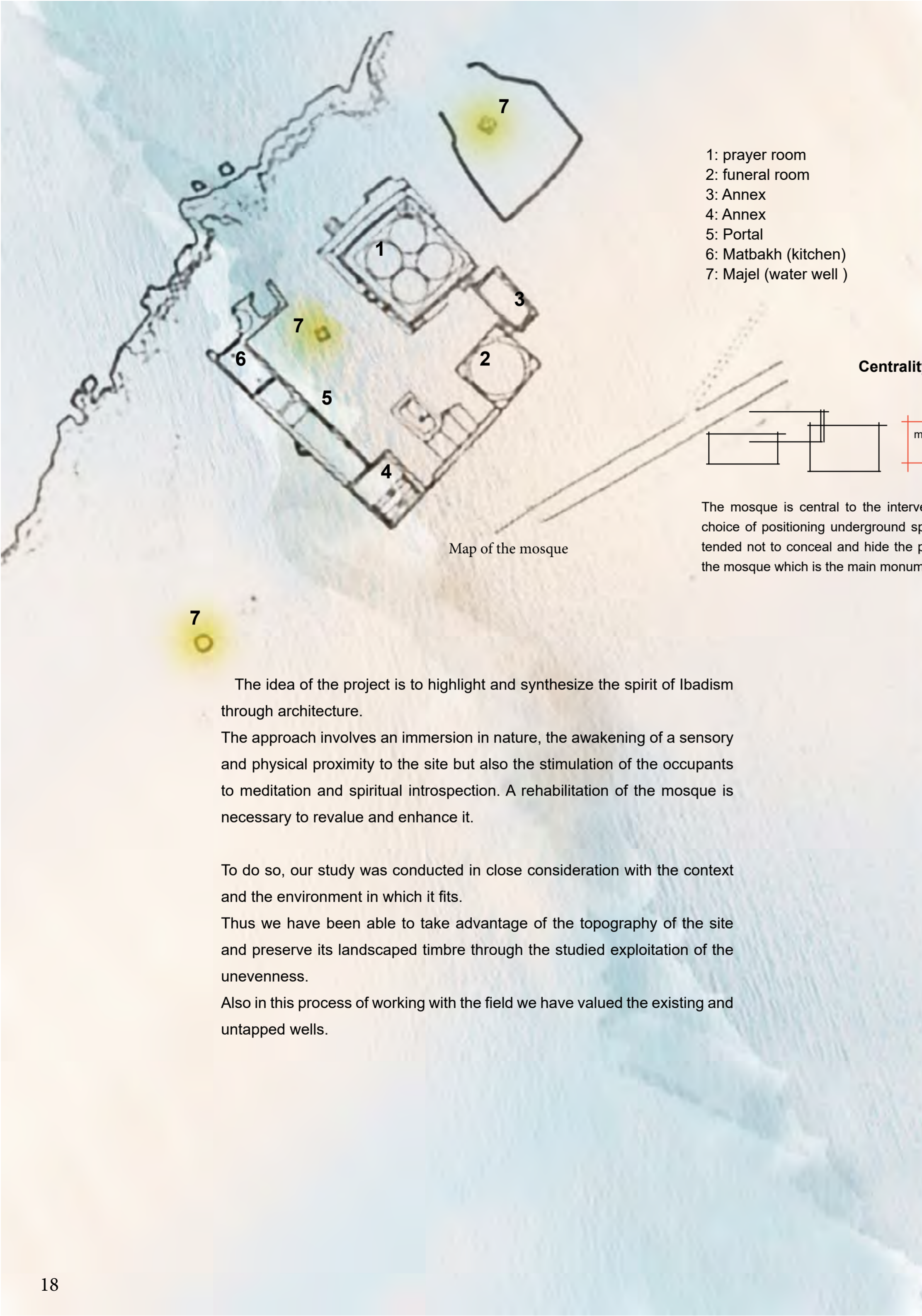
## The state of the place



The stairs inside the prayer room lead to the roof overlooking the sea, it was used previously to monitor the coast. The walls are tagged with black graffiti.



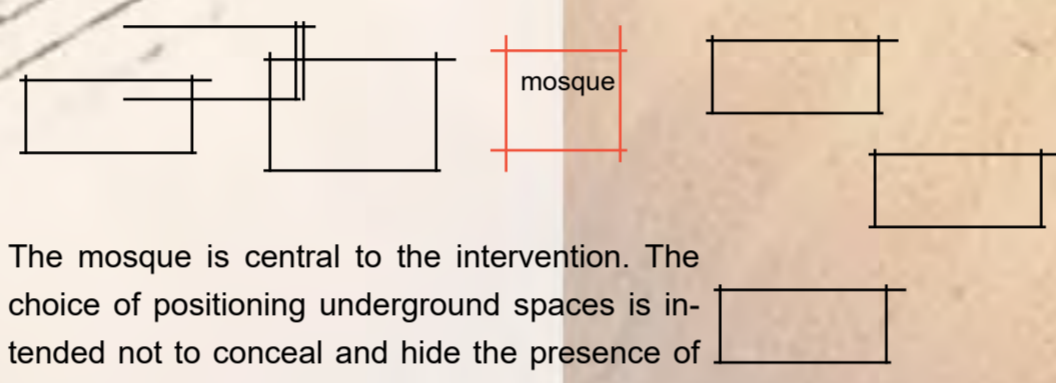




- 1: prayer room
- 2: funeral room
- 3: Annex
- 4: Annex
- 5: Portal
- 6: Matbakh (kitchen)
- 7: Majel (water well )

Map of the mosque

**Centrality and harmony**



The mosque is central to the intervention. The choice of positioning underground spaces is intended not to conceal and hide the presence of the mosque which is the main monument.

7

The idea of the project is to highlight and synthesize the spirit of Ibadism through architecture. The approach involves an immersion in nature, the awakening of a sensory and physical proximity to the site but also the stimulation of the occupants to meditation and spiritual introspection. A rehabilitation of the mosque is necessary to revalue and enhance it.

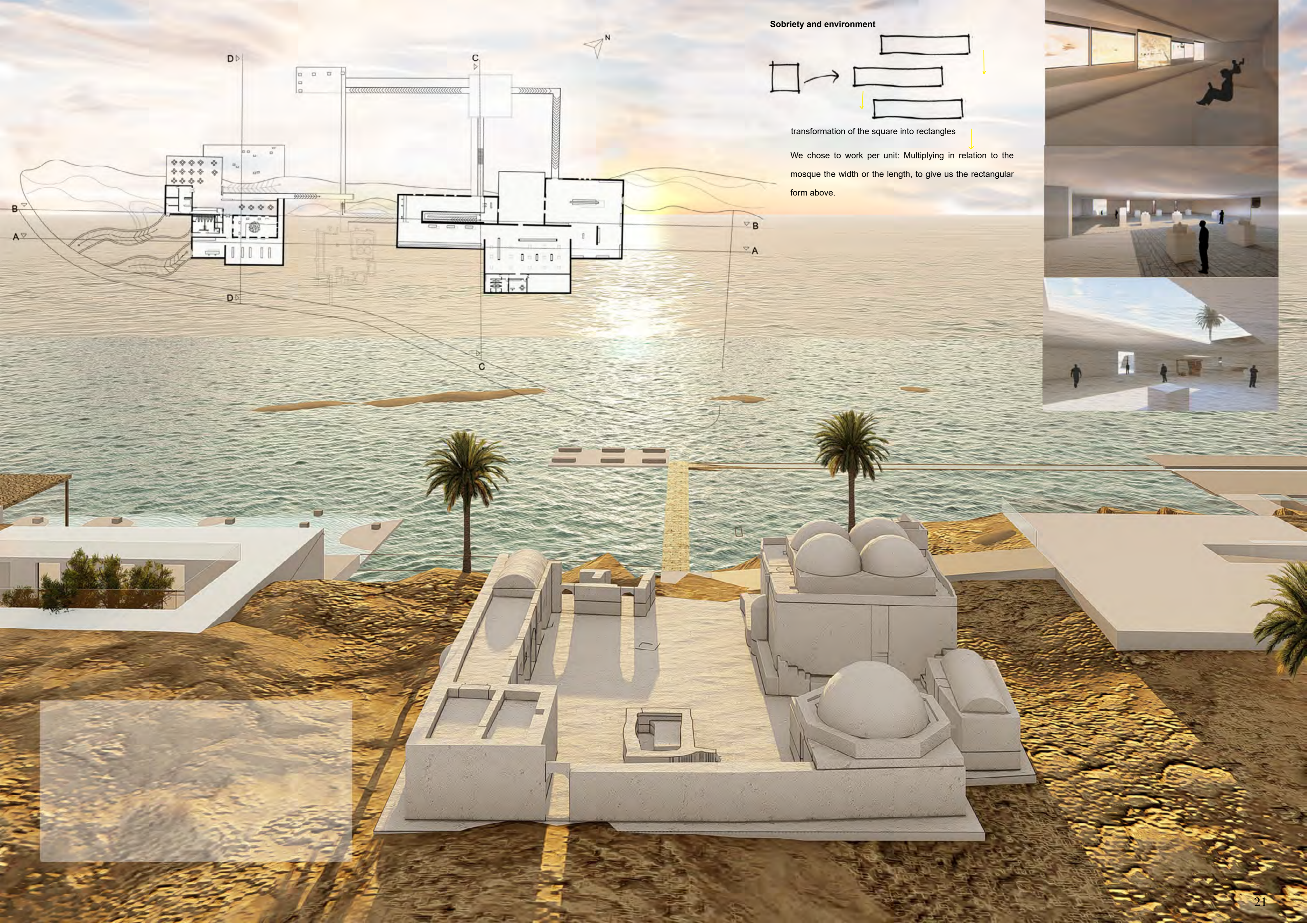
To do so, our study was conducted in close consideration with the context and the environment in which it fits. Thus we have been able to take advantage of the topography of the site and preserve its landscaped timbre through the studied exploitation of the unevenness. Also in this process of working with the field we have valued the existing and untapped wells.

We chose the hill of Sidi Yati as the site where we will integrate the project given the importance of returning to the sources to enrich and have a mystical touch to the architectural space on the one hand, and on the other hand, this site can be considered as a kind of meditation perfectly ibadite.

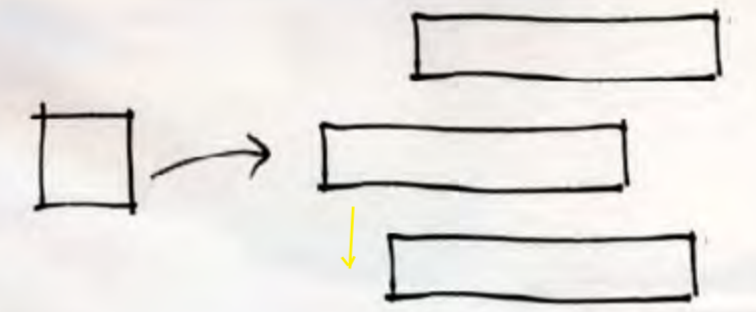


Ground floor plan





Sobriety and environment



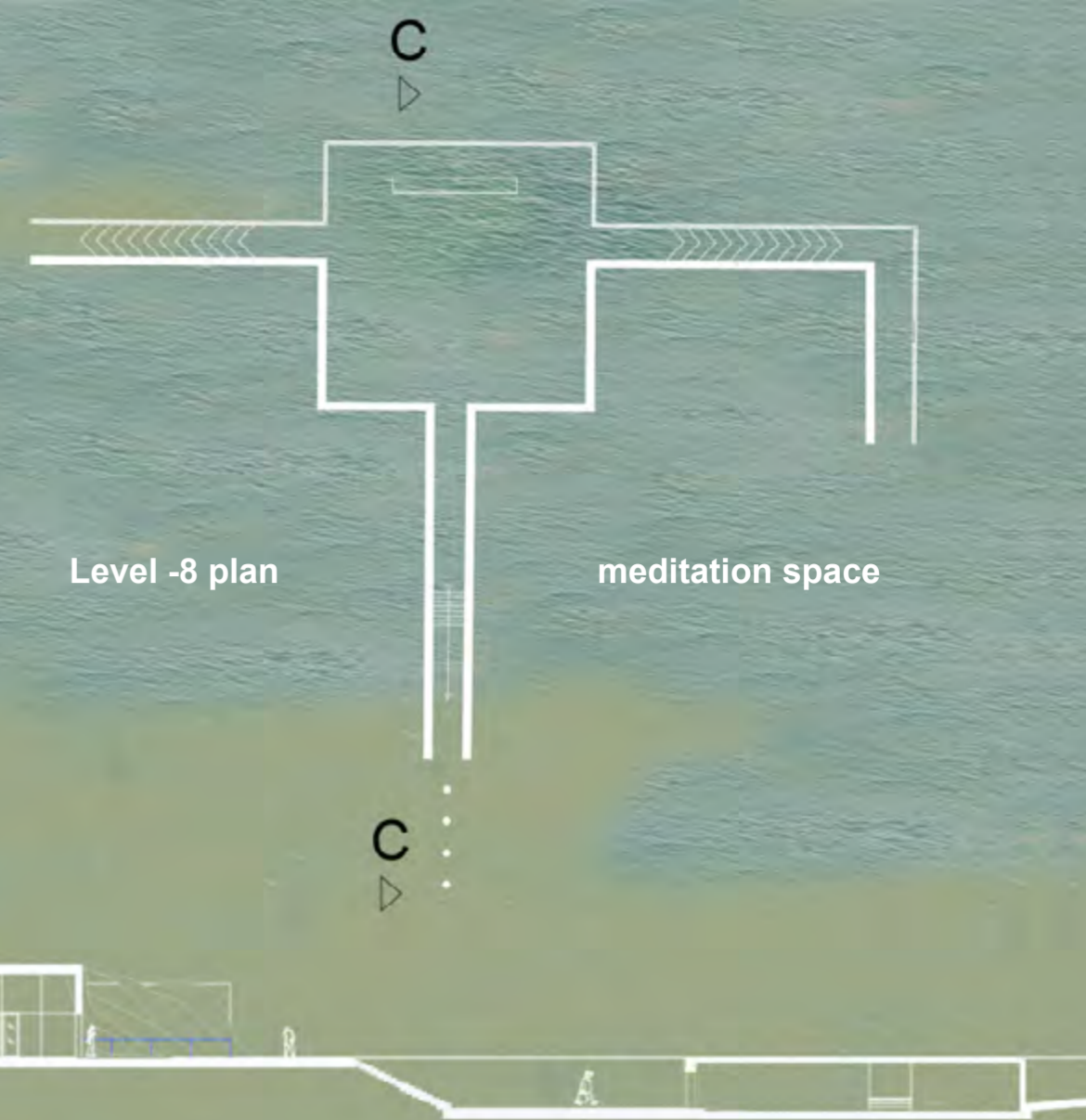
transformation of the square into rectangles

We chose to work per unit: Multiplying in relation to the mosque the width or the length, to give us the rectangular form above.





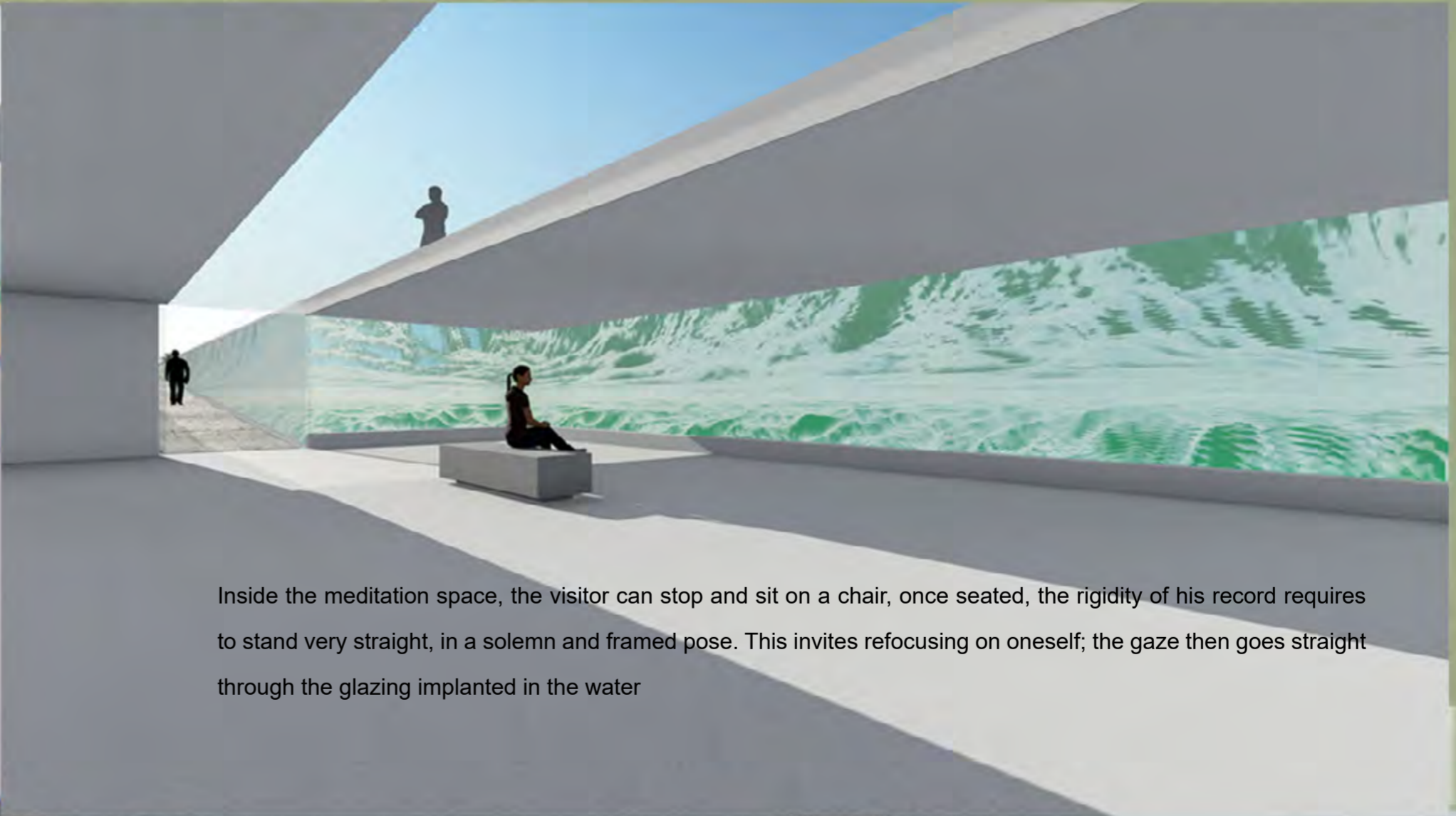
The visitor is invited to follow a sensory journey that leads from a ramp to one of the entrances, the meditation space can be crossed by this path without any door to push



Level -8 plan

meditation space

Section C-C

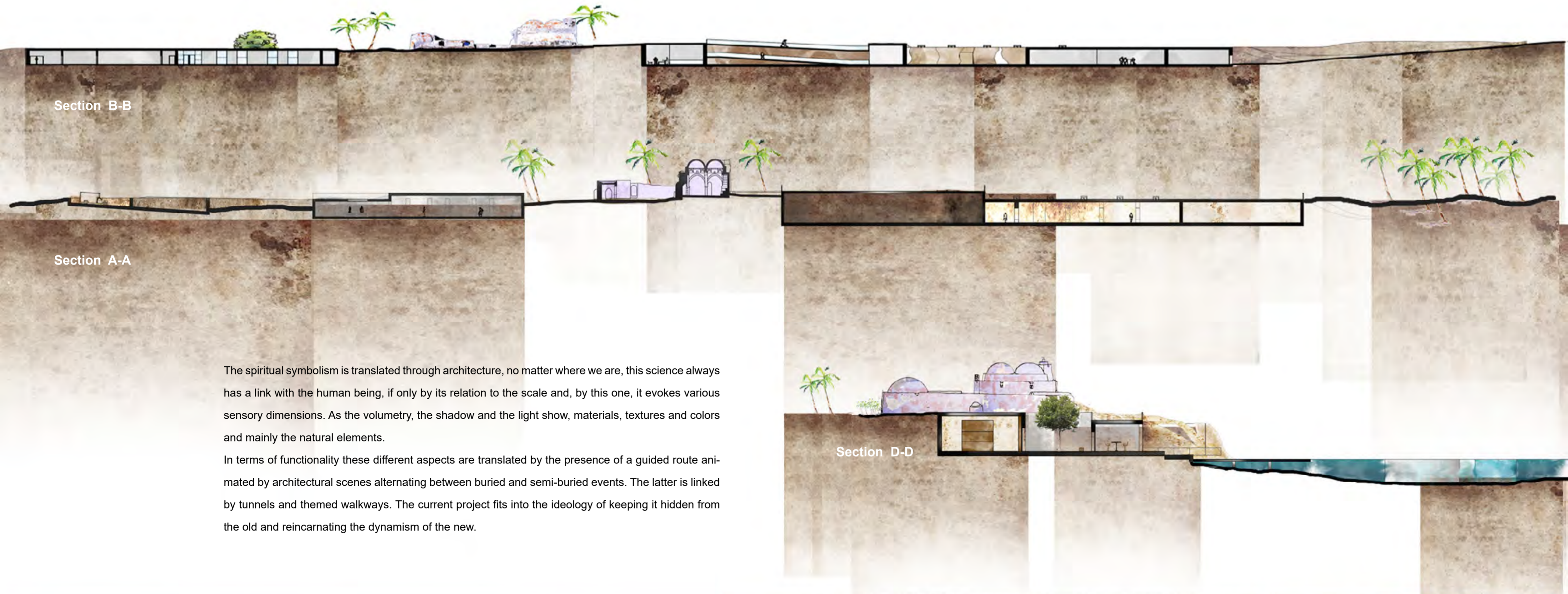


Inside the meditation space, the visitor can stop and sit on a chair, once seated, the rigidity of his record requires to stand very straight, in a solemn and framed pose. This invites refocusing on oneself; the gaze then goes straight through the glazing implanted in the water



North-East Elevation





Section B-B

Section A-A

Section D-D

The spiritual symbolism is translated through architecture, no matter where we are, this science always has a link with the human being, if only by its relation to the scale and, by this one, it evokes various sensory dimensions. As the volumetry, the shadow and the light show, materials, textures and colors and mainly the natural elements.

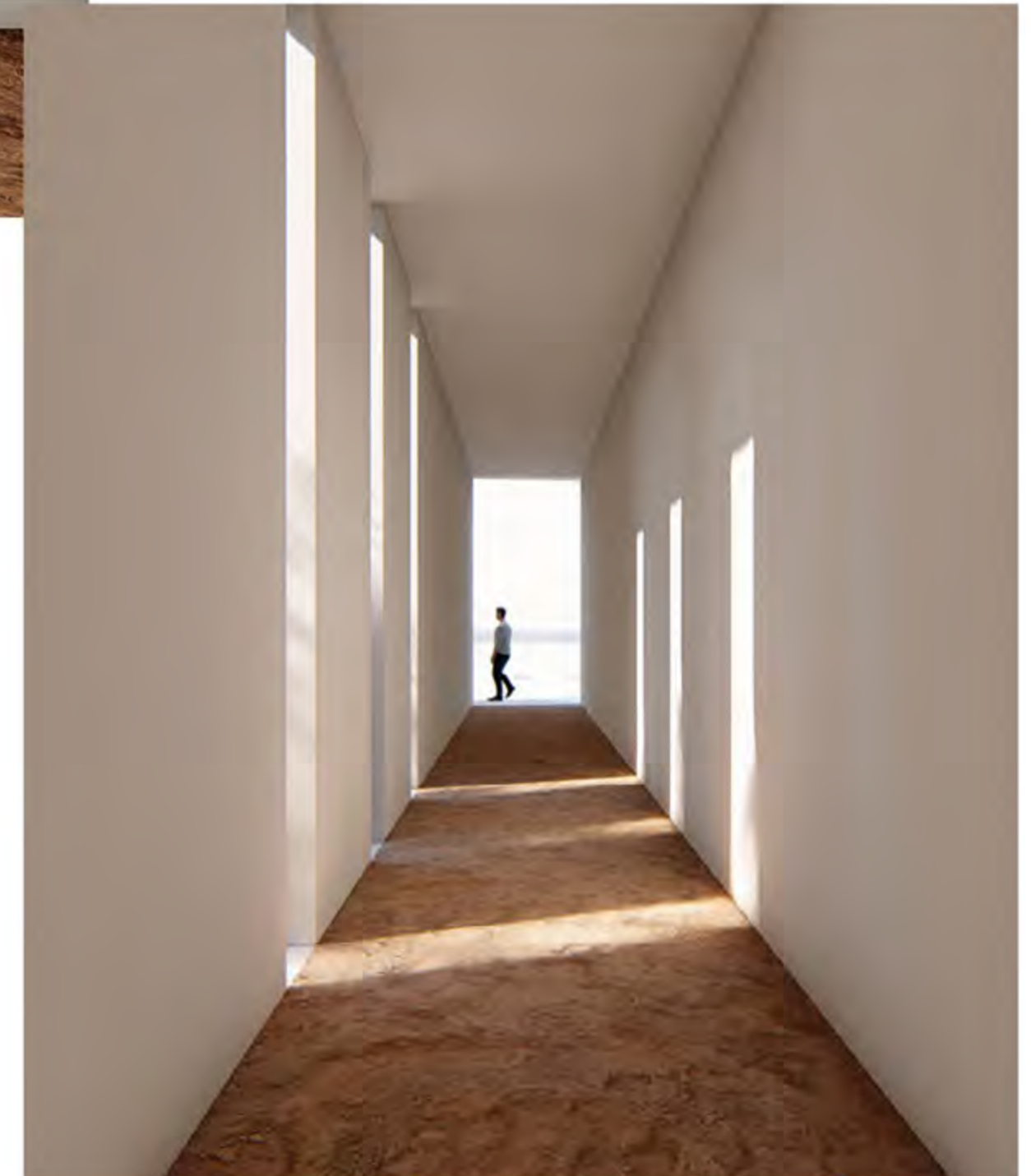
In terms of functionality these different aspects are translated by the presence of a guided route animated by architectural scenes alternating between buried and semi-buried events. The latter is linked by tunnels and themed walkways. The current project fits into the ideology of keeping it hidden from the old and reincarnating the dynamism of the new.



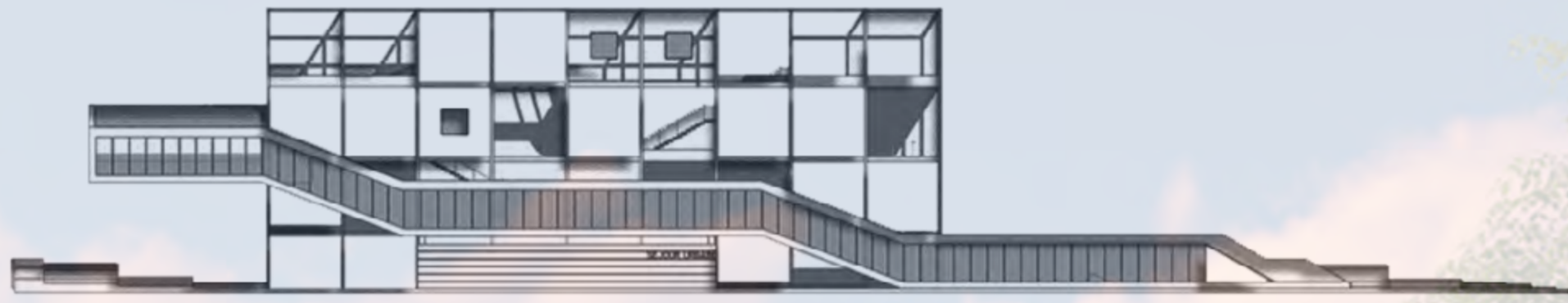




Natural light pays particular attention to space. Its diffusion will be done inside as this light will be charged symbolically with a divine manifestation. Concretely, this physical element will become an architectural component thanks to a staging by means of architectural and plastic devices like the chiaroscuro contrast and some materials with their physical properties such as reflection and transparency, skylights, the interstices, .... This path encourages to connect the different buried parts and will represent a stroll of the soul towards the divine knowledge. The articulation of the project will be done in part around an underground patio representing Ibadite worship stations. Each space will be assigned a worship function in relation to the designated Ibadite station. This attribution implies a material and spatial specificity.







## Urban Stay, Bizerte

February 2017 - June 2017

the aim of this project is to design living spaces that merge architecture and urban, and bring a piece of intimacy to the public. Therefore we will try to think of an urban project that will house the activity of urban stay in its variety and which will tend to erase and make less brutal the limit between intimacy and externality, in order to be able to live the outside in the comfort of the inside, and the inside in the opening of the outside.

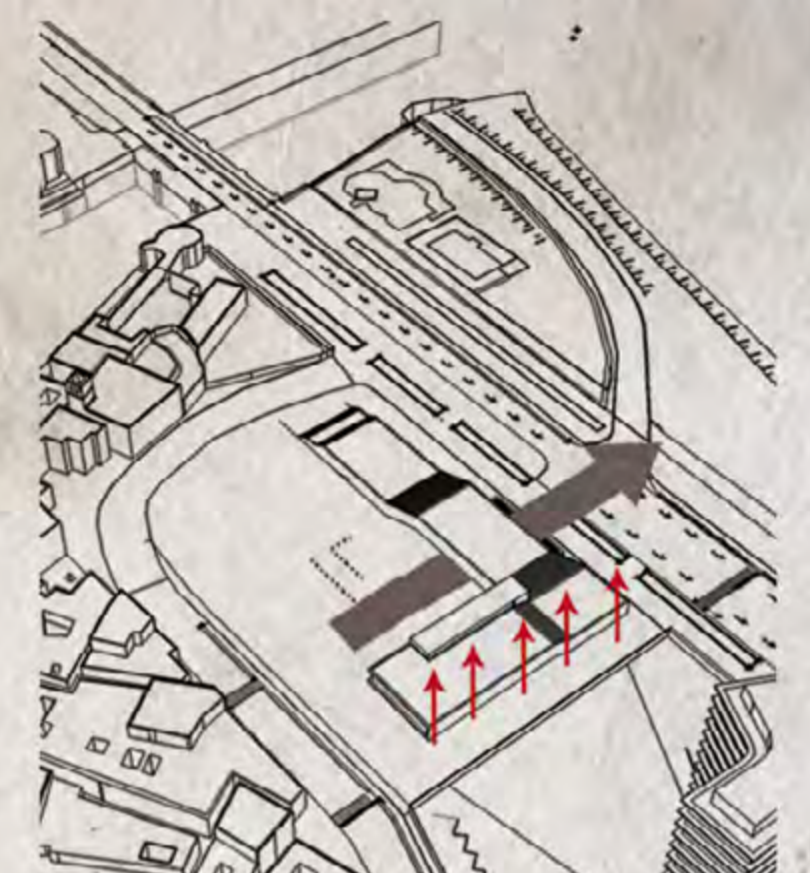
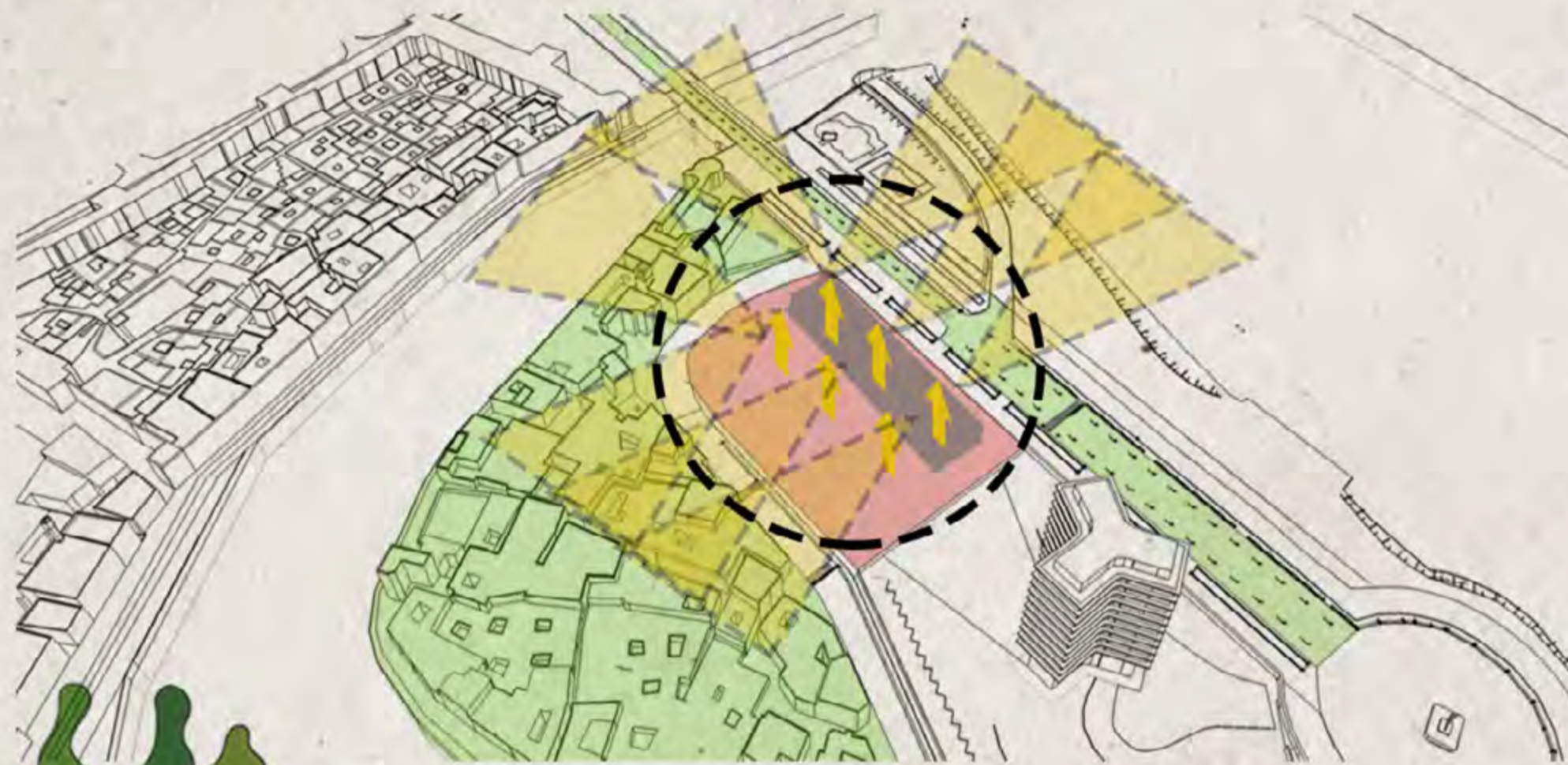
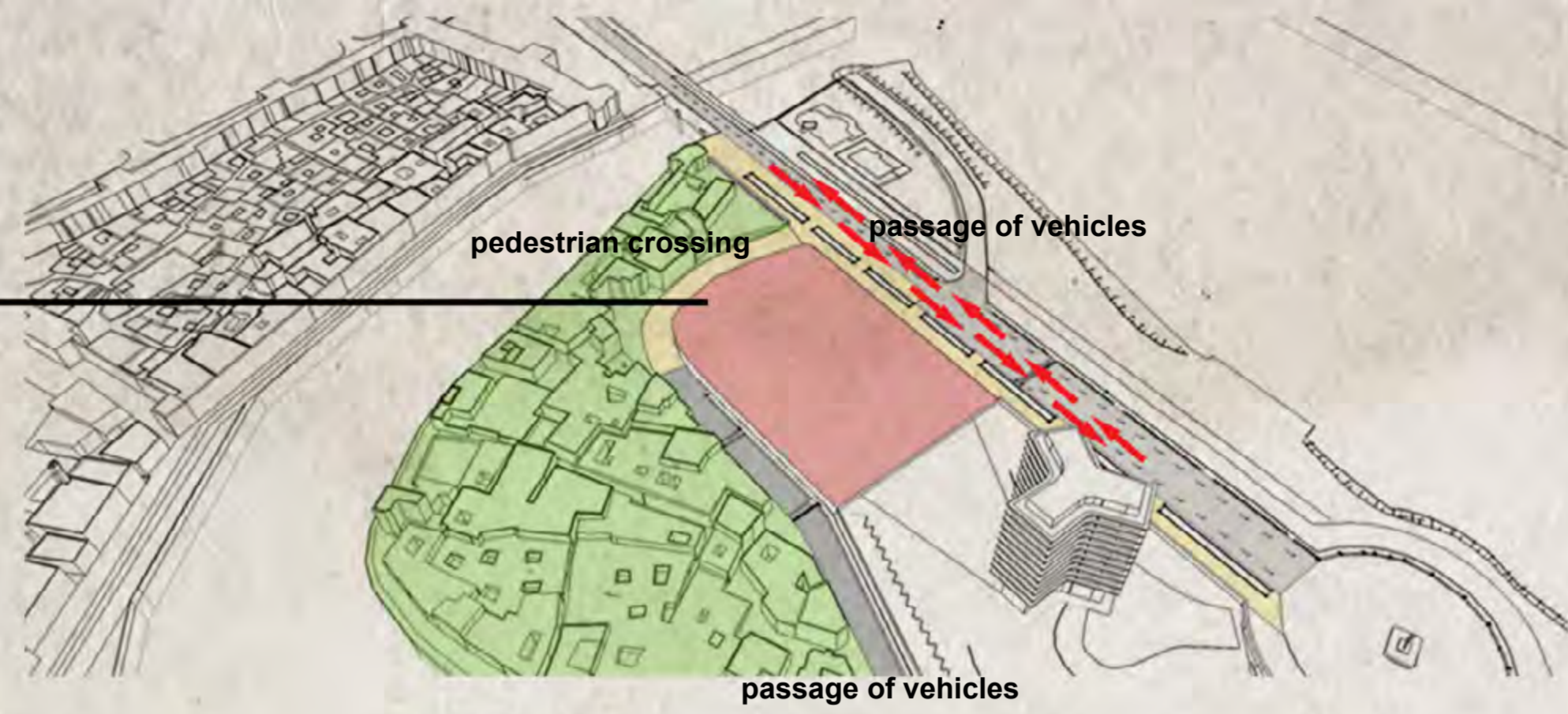
The approach of our work is to start with an overall analysis of the general context of the city of Bizerte. We will encircle with an urban analysis of old port passing through the colonial city to close with our intervention site located in the area in front of the new port.

Emptiness and fullness are spatial manifestations found everywhere in the house, in the street, and in the city. It is emptiness that defines the full and vice versa. The void is full of activities, just like the full. The full is full of emptiness, and emptiness is empty to be full.

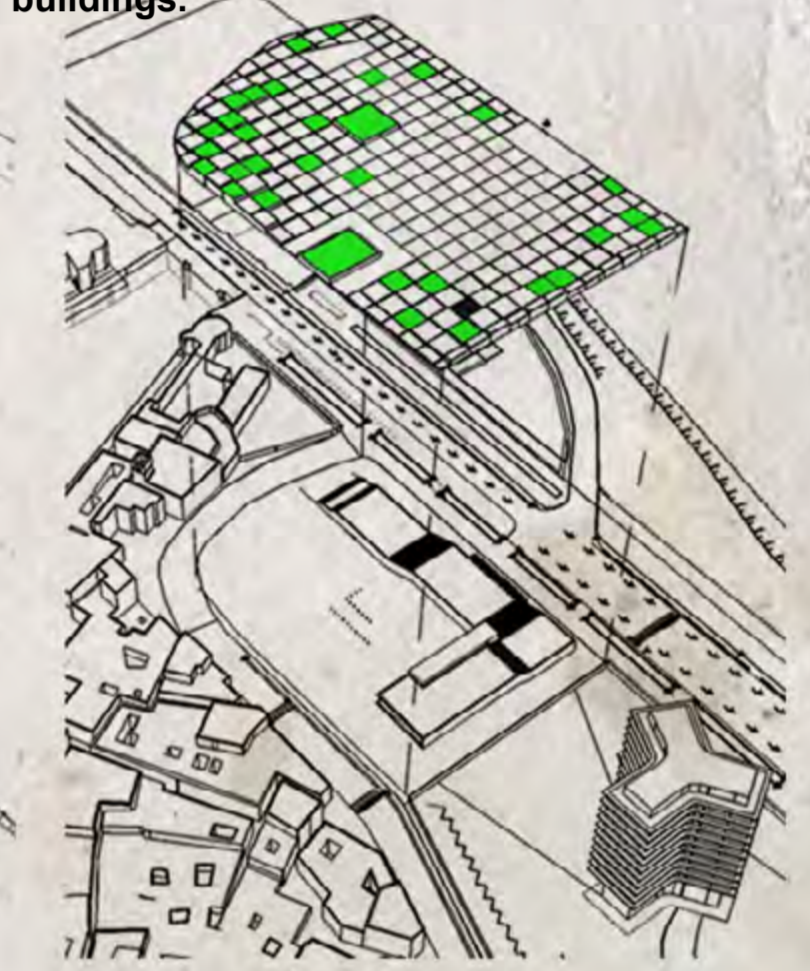
this duality generates the permeability of space, which makes it porous, and its openness to the environment. Vacuum is structuring space, it is a free field with distinct features. The alternation between full and empty allows to ventilate the lived space, generating a wider field of sociability and living together.



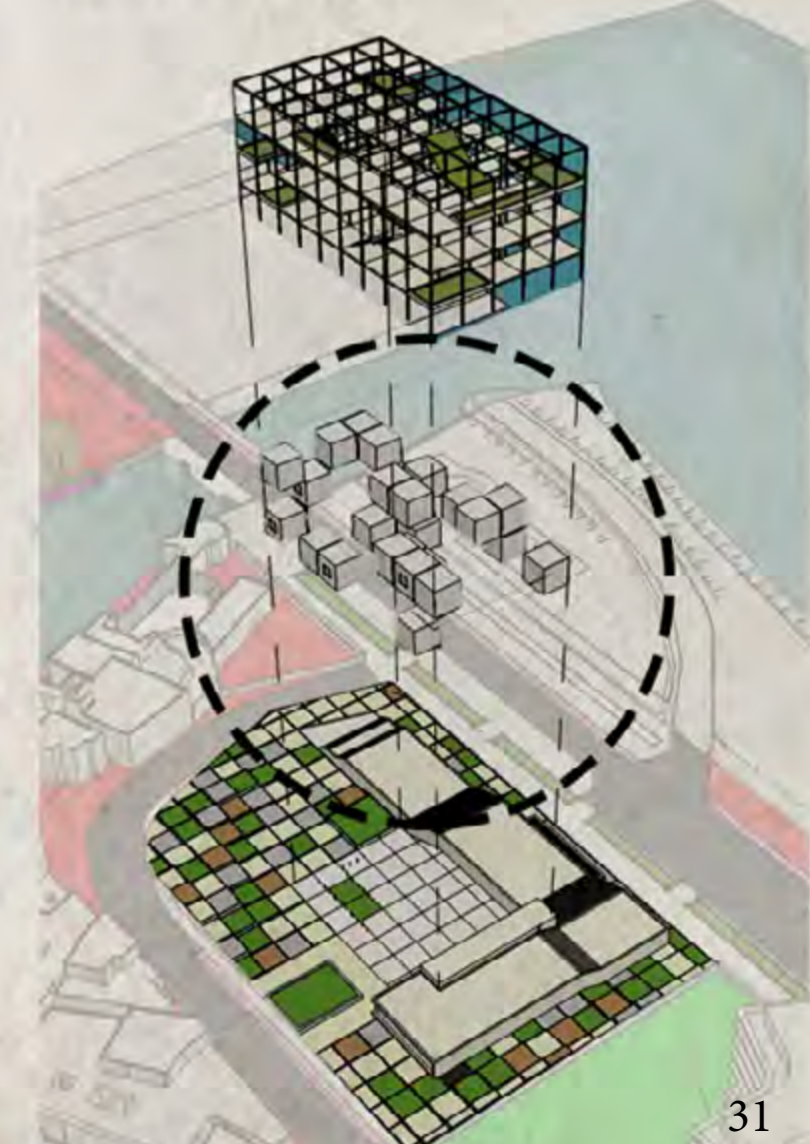
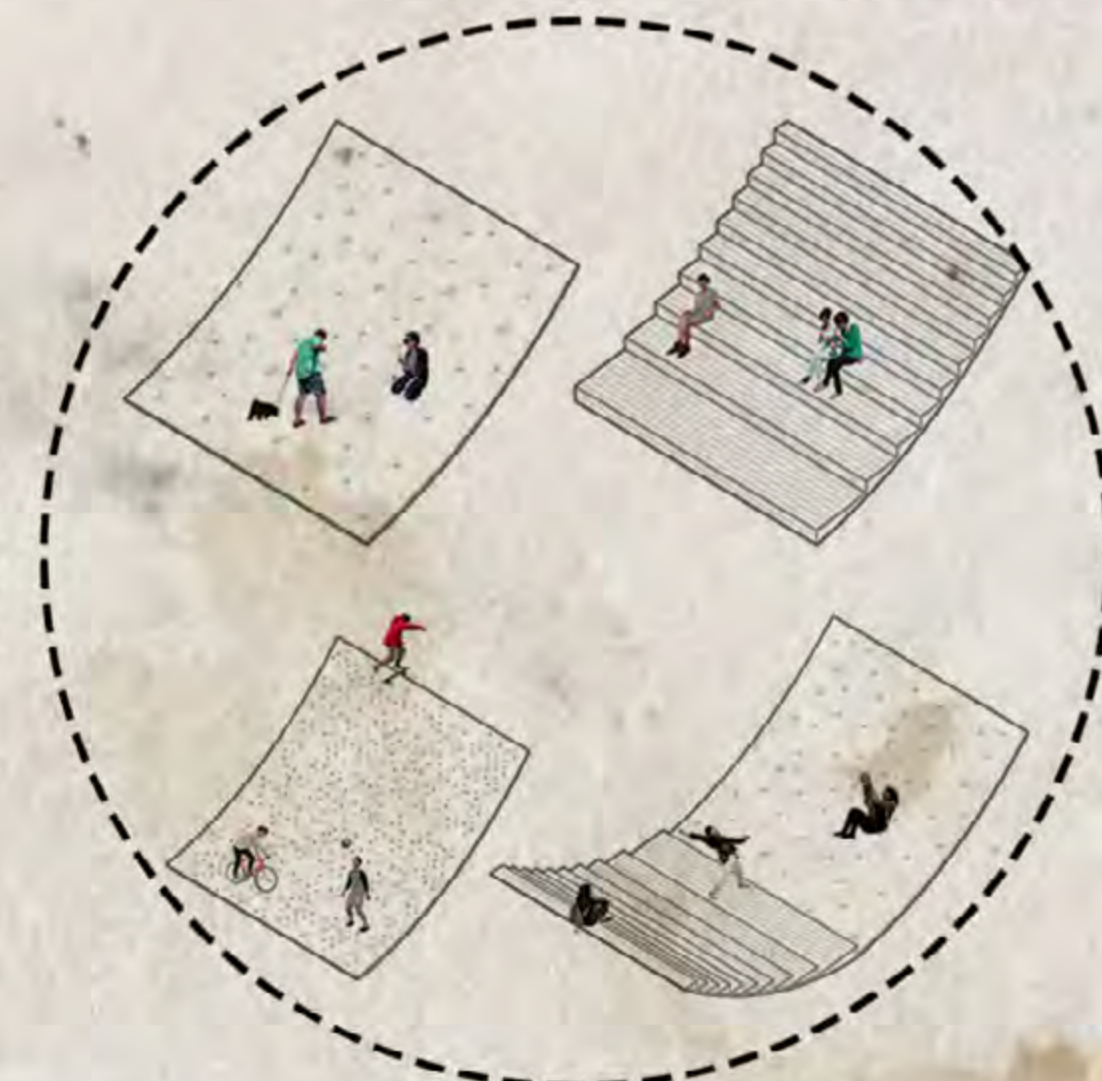
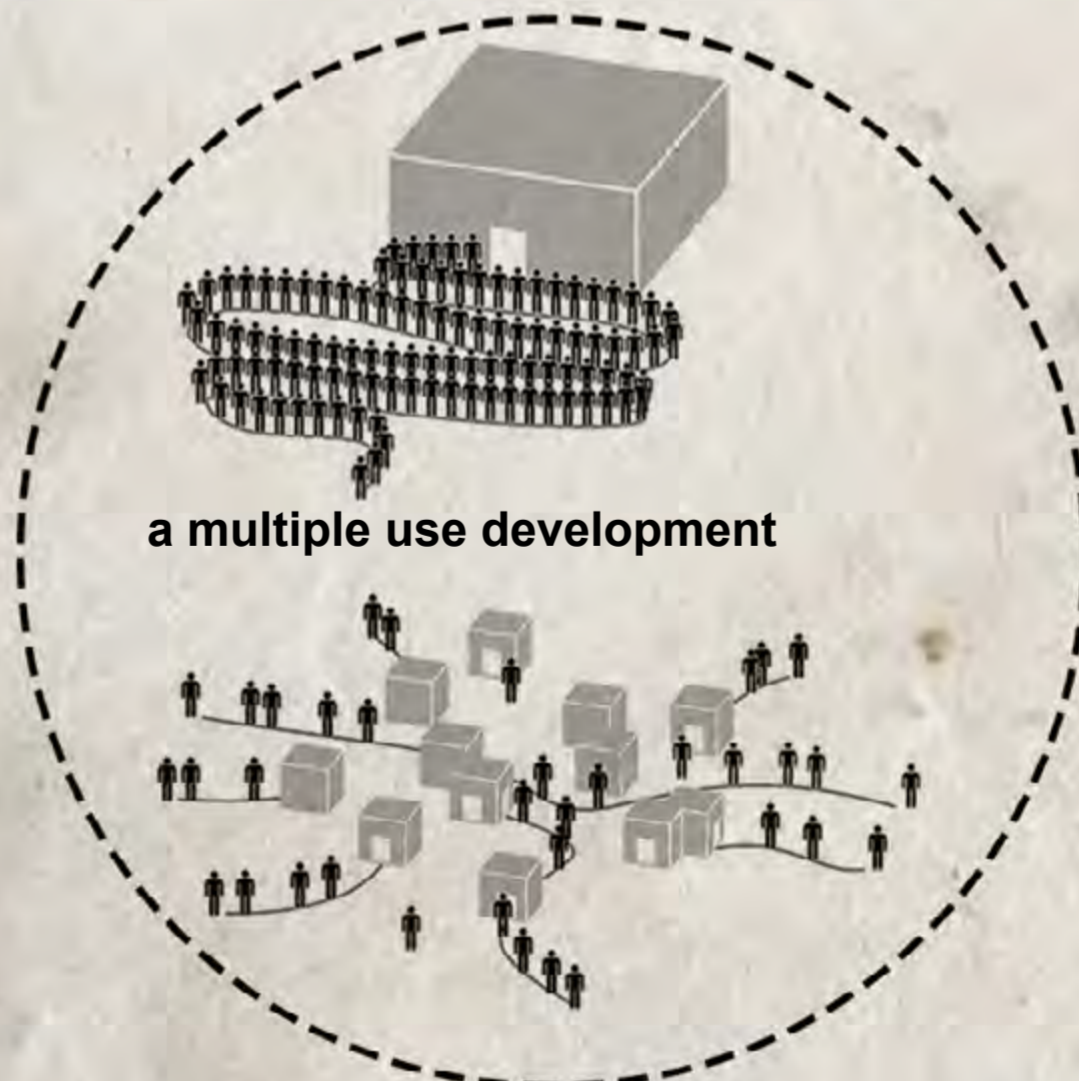
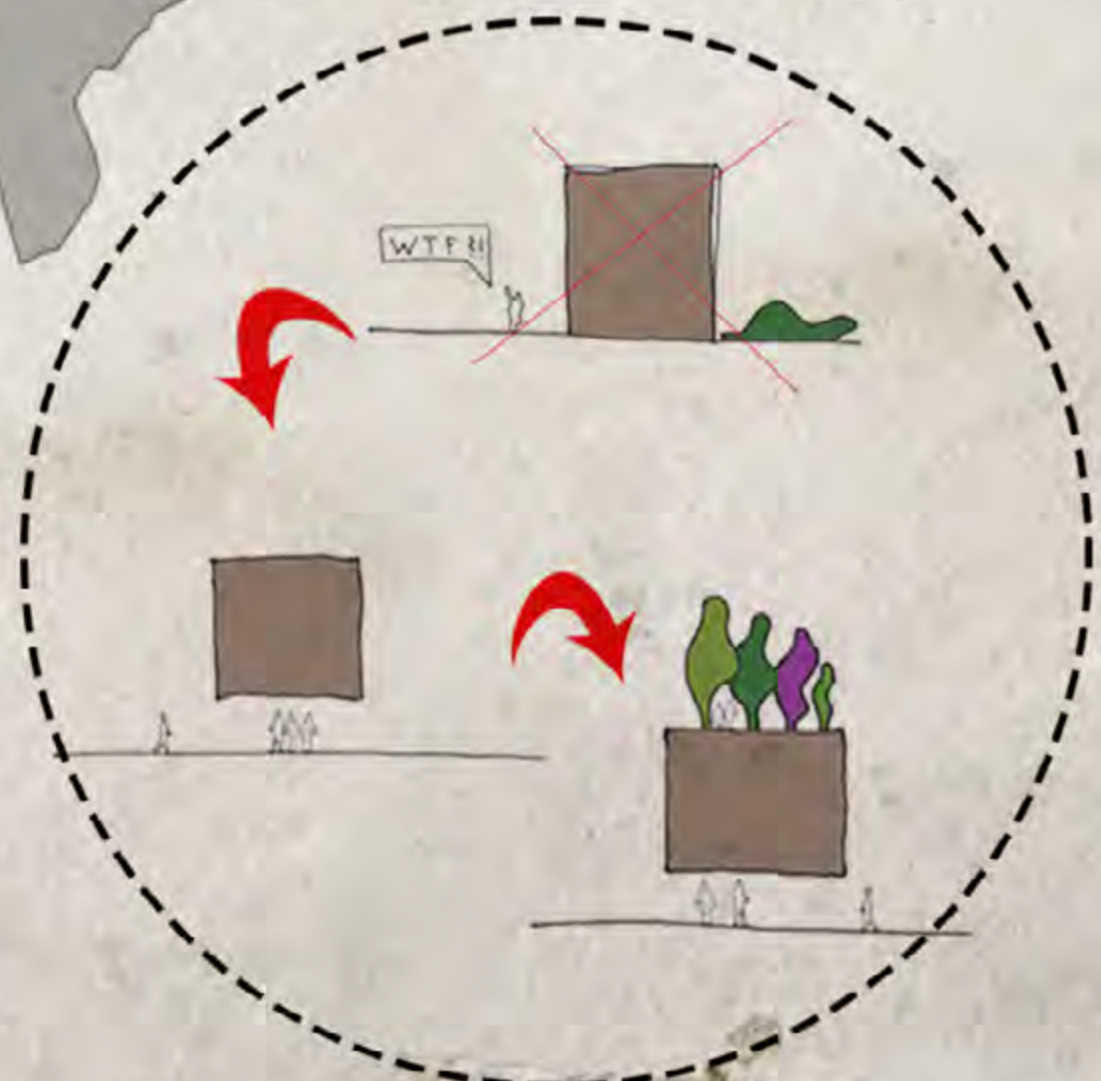




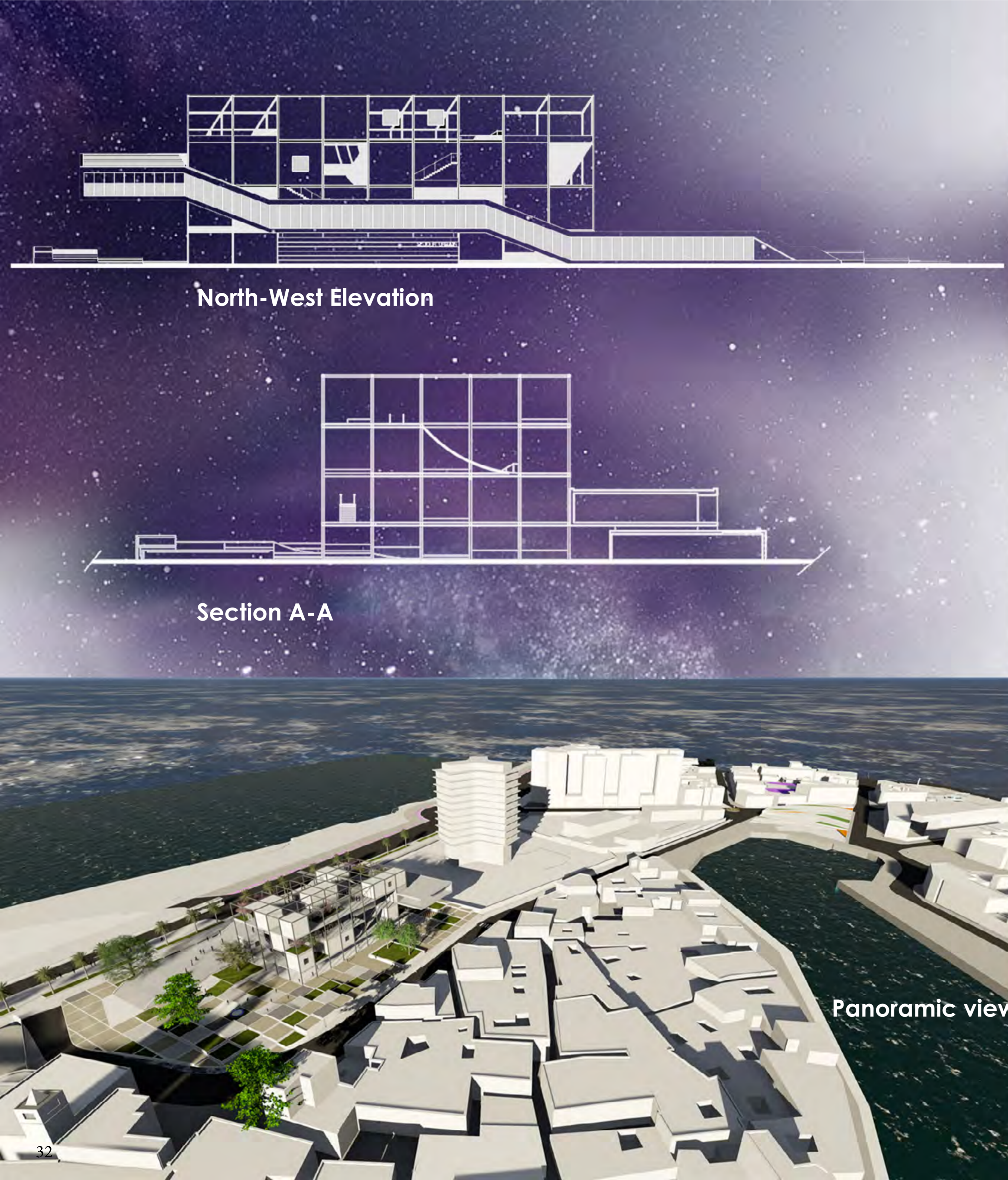
a modular white grid-like structure built in relation to the heights of neighboring buildings.



promote community activities by examining the city's right air



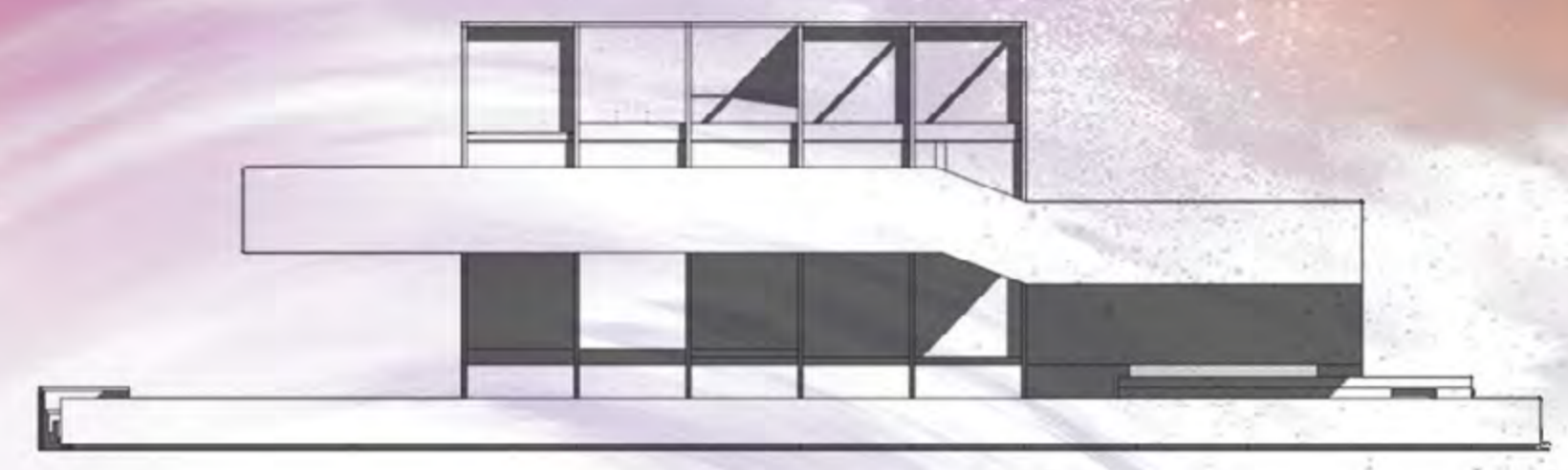
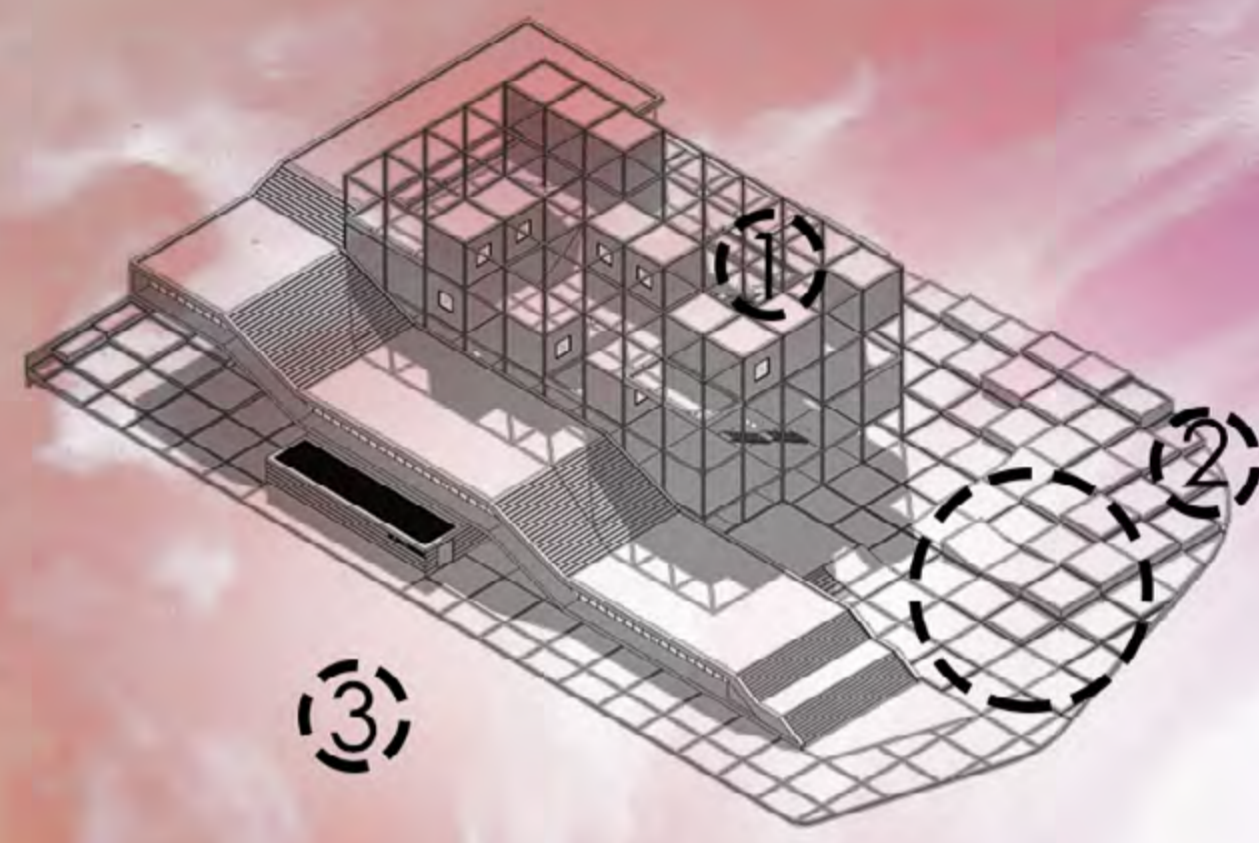








3



North-East Elevation

Cubic surfaces serve many community functions to encourage interaction between visitors and enable them to share their culture together.



2



1







Section B-B



South-West Elevation



South-East Elevation





## Intervention on the National Museum of Carthage

September 2016 - January 2017

This archaeological museum is located on Byrsa Hill in the heart of the city of Carthage in Tunisia. It is one of the two main archaeological museums of Tunisia with the National Museum of Bardo. Located near the cathedral Saint-Louis of Carthage, in the premises formerly occupied by ' les pères blancs ', it allows the visitor to realize the extent of what were the facilities of the city in the Punic and Roman era. It is undeniable that Carthage and its history exert a certain fascination on human beings. However, another reality is hidden behind the postcard image of this place. Therefore, one may be led to question the legitimacy of his heritage today, if he always returns the image of power and wealth or it is more than decomposable, a myth

It would be necessary to find an intermediate way, in order to reconcile the power to protect what represents our past and to radiate it. Through this project, we aimed above all to broaden our knowledge on the theme of the history of Carthage, its civilizations and to better identify and recognize its existing vestiges and in this case to better protect our heritage. As part of this intervention, we propose the rehabilitation of one part of the museum and the demolition of another to place a try of a new architecture. We will try to identify through our intervention the rich architectural vocabulary of the Carthaginian civilization and we will also try to project a contemporary image of the museum complex via its image and its functional organization.





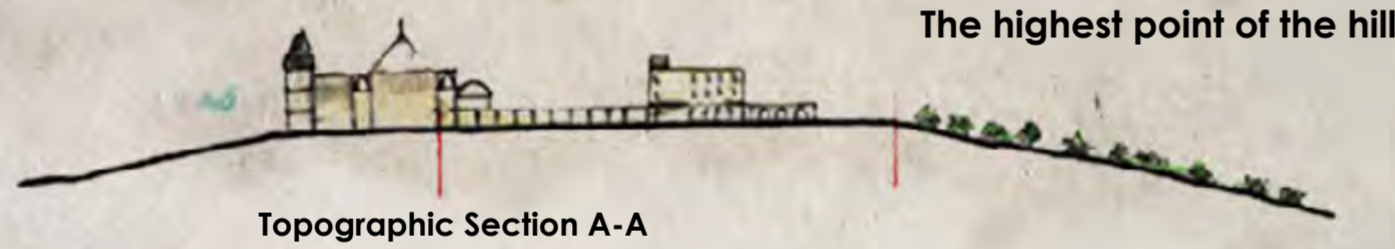
# Site Analysis



- 1 Rue Mendes France
- 2 Amphitheater Street
- 3 Villa Didon
- 4 Museum of Carthage
- 5 Cathedral
- 6 Punic District of Byrsa

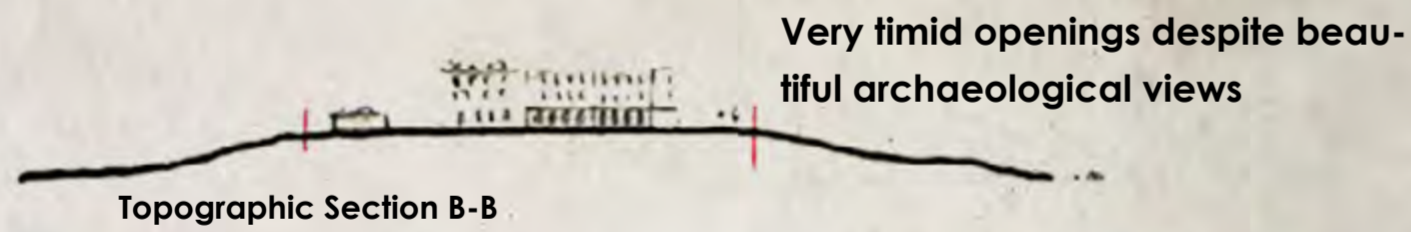
Location plan

The land is located on Byrsa Hill in the heart of the city of Carthage, a location that tells the story of what the city's facilities were in Punic and Roman times.



The highest point of the hill

Topographic Section A-A



Very timid openings despite beautiful archaeological views

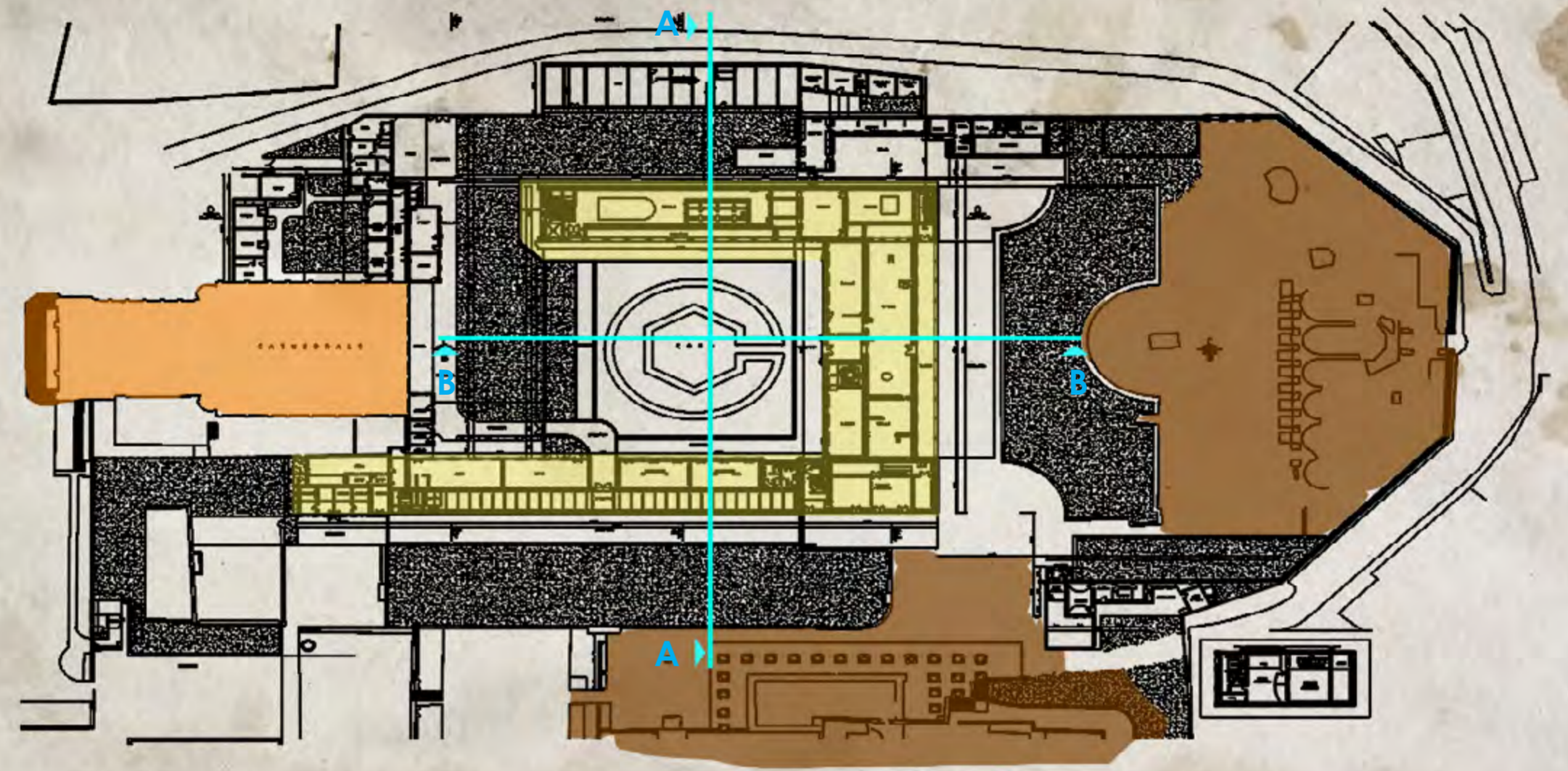
Topographic Section B-B



South-East view on the ruins



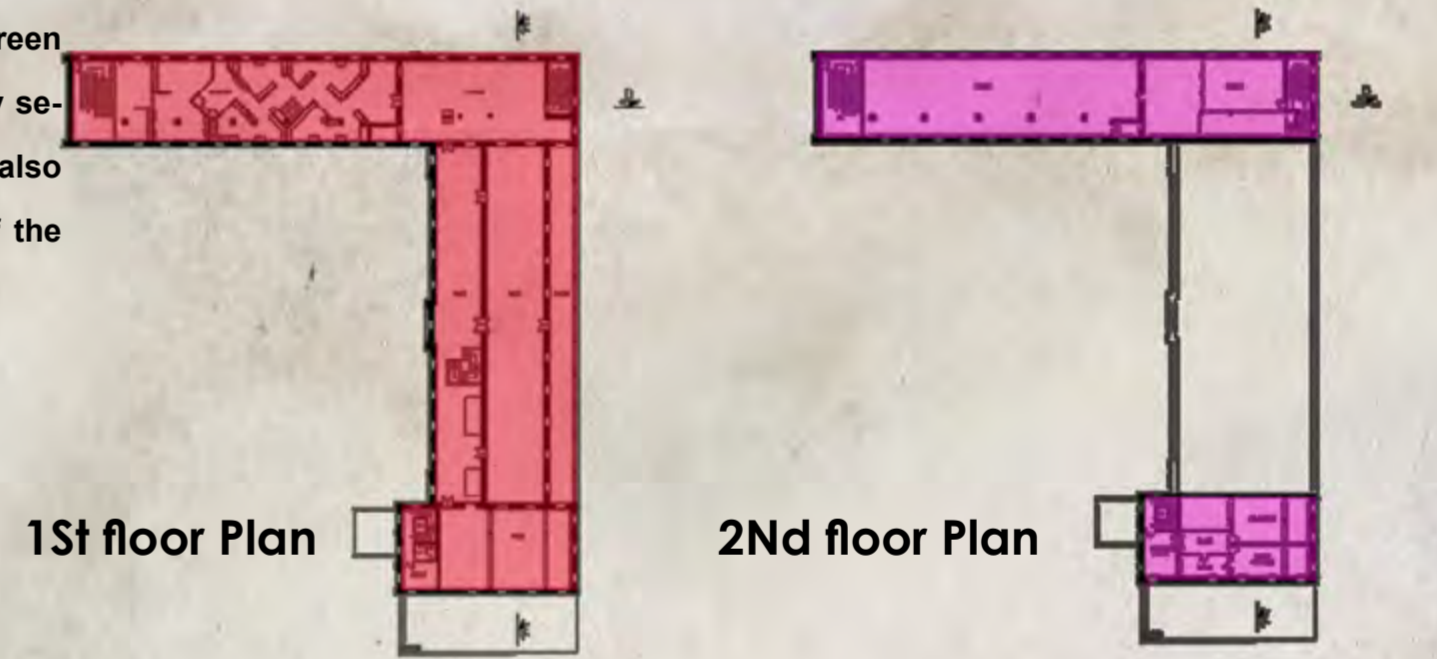
View from the square on the cathedral



Ground floor Plan

- Cathedral
- Information and exhibition
- The ruins

Even if you are at a plant area of 900m<sup>2</sup> near the museum, you can not enjoy this green space because of a fence that not only separates the museum of greenery, but also detaches other historic monuments of the site.

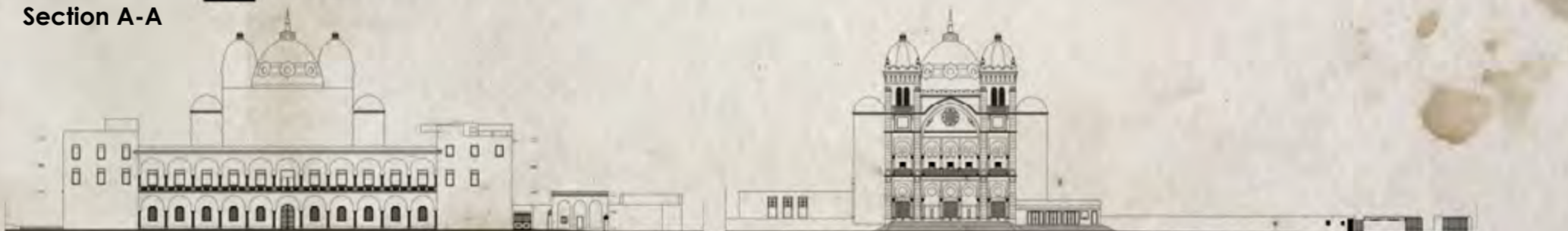


1st floor Plan

2Nd floor Plan



Section A-A



South-east elevation

North West elevation



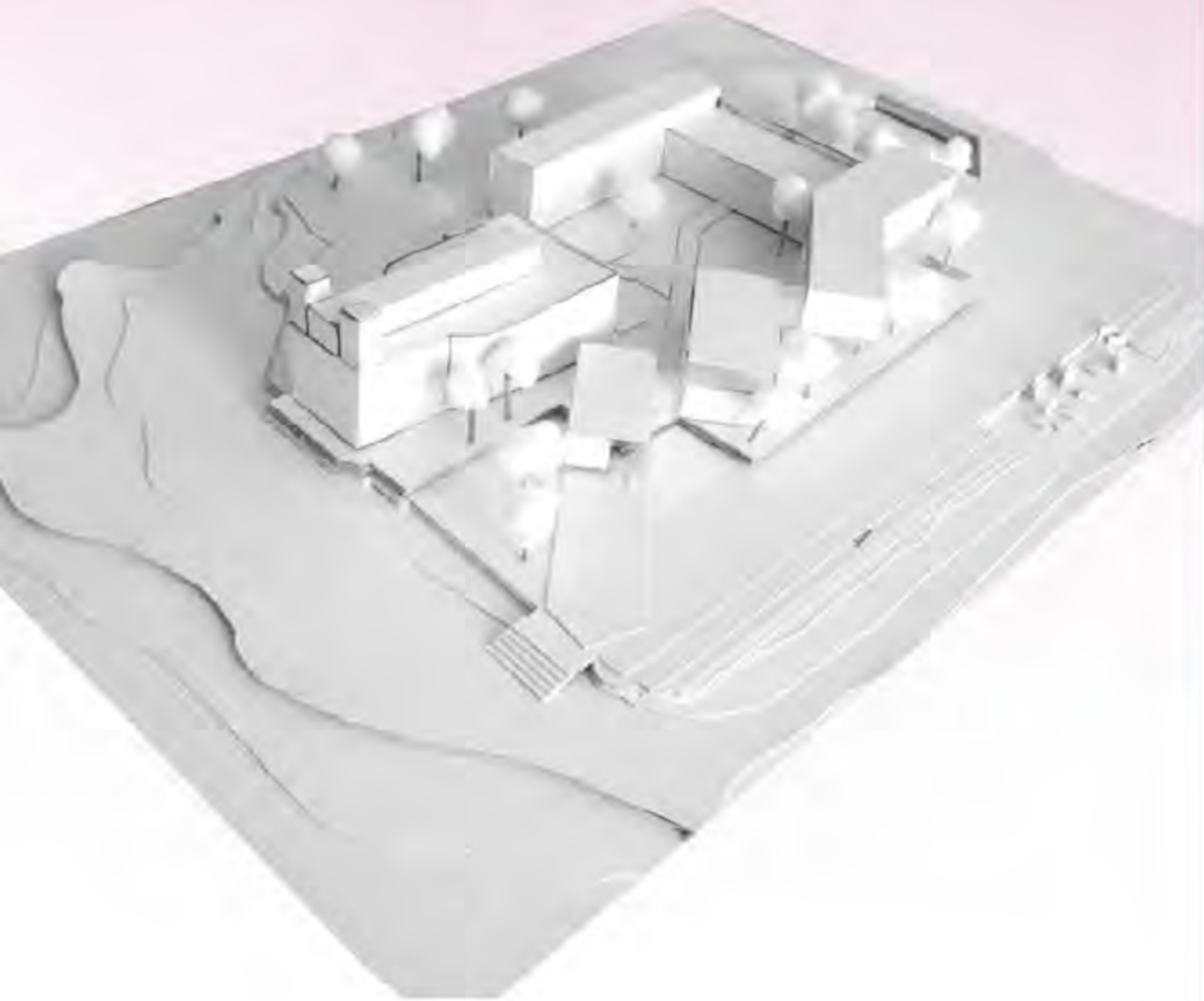
South-west elevation



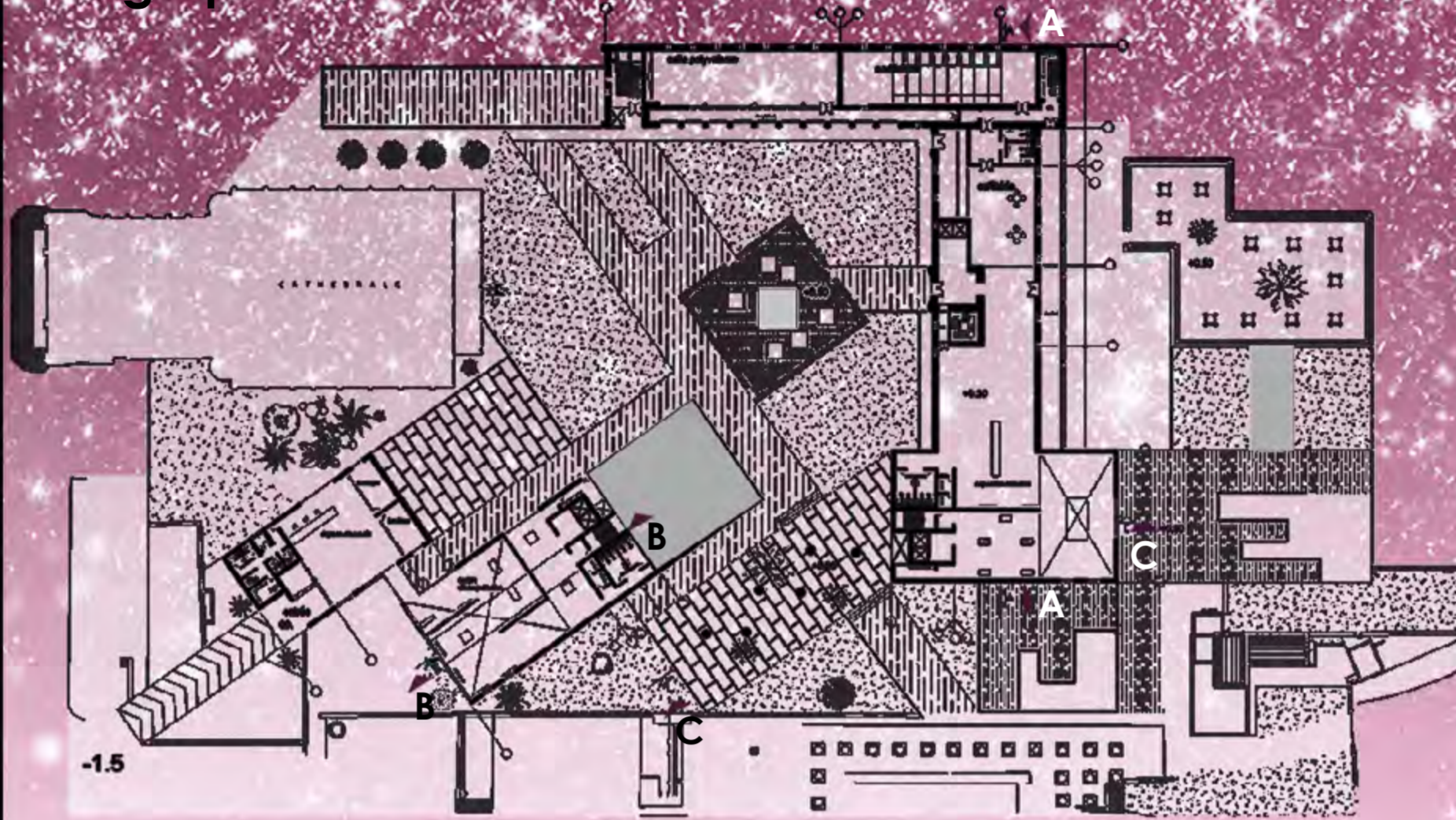
## Project model



Our intervention will be motivated by the wish to restore the blazon of carthage.

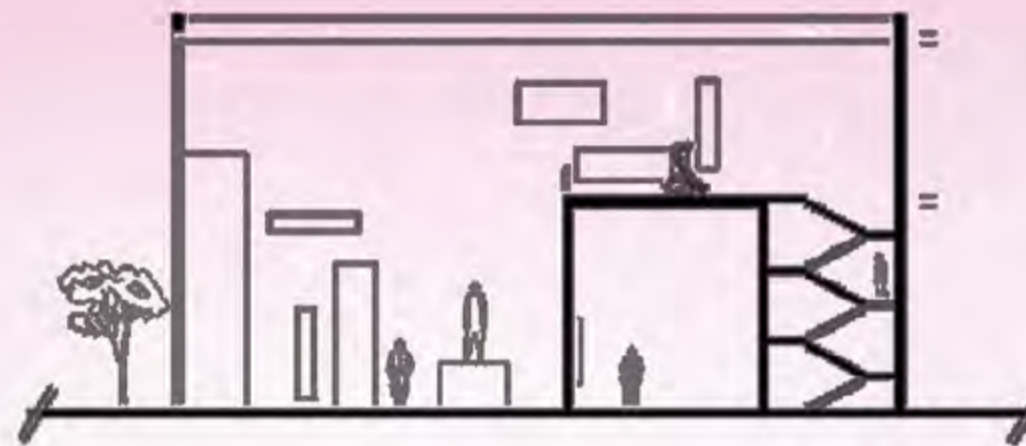


## The graphic elements



Ground Floor Plan

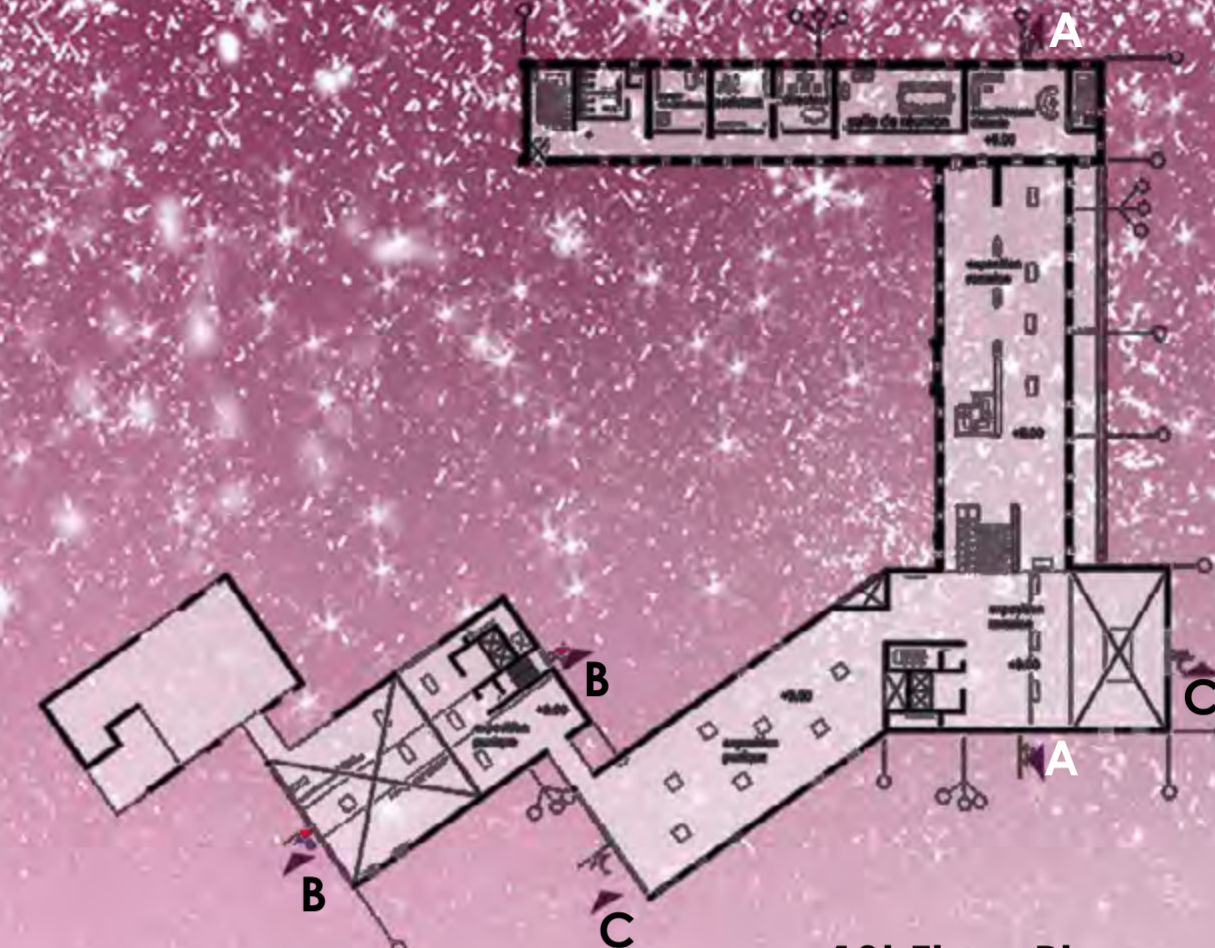
The will is to reappear on the surface the spirit of the place both in terms of landscape and historical dimension, all in a more contemporary and contemporary context. Tribute and shift will be the keywords of this motivation



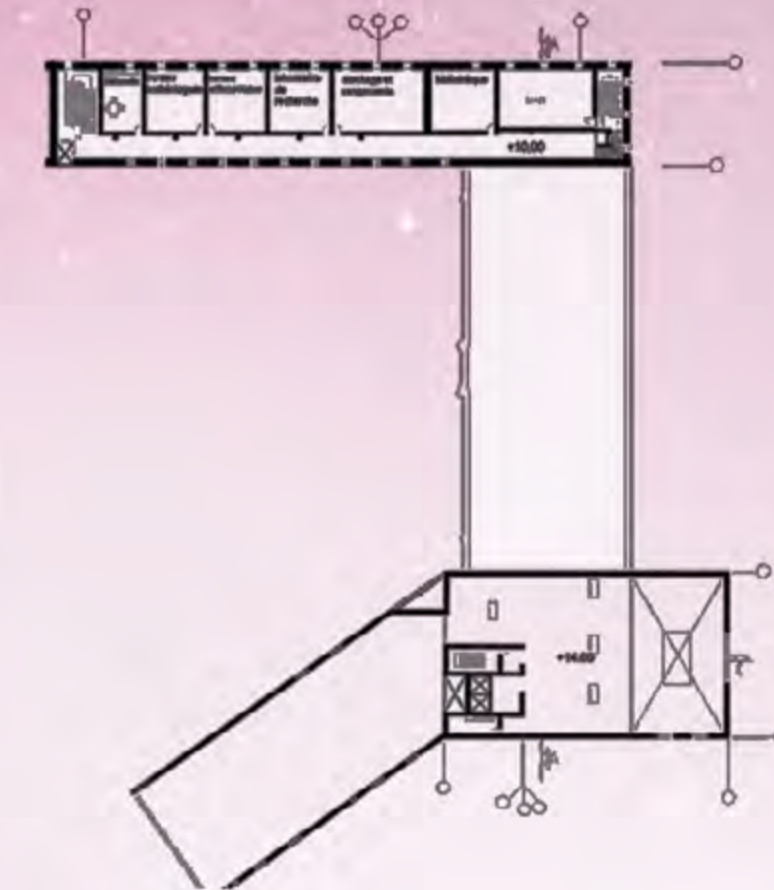
Section B-B

### Program:

- Reception area
- Shops
- Interpretation center
- Roman exhibition
- Cafeteria
- Auditorium
- Multipurpose room
- Punic exhibition
- Meeting room
- Offices



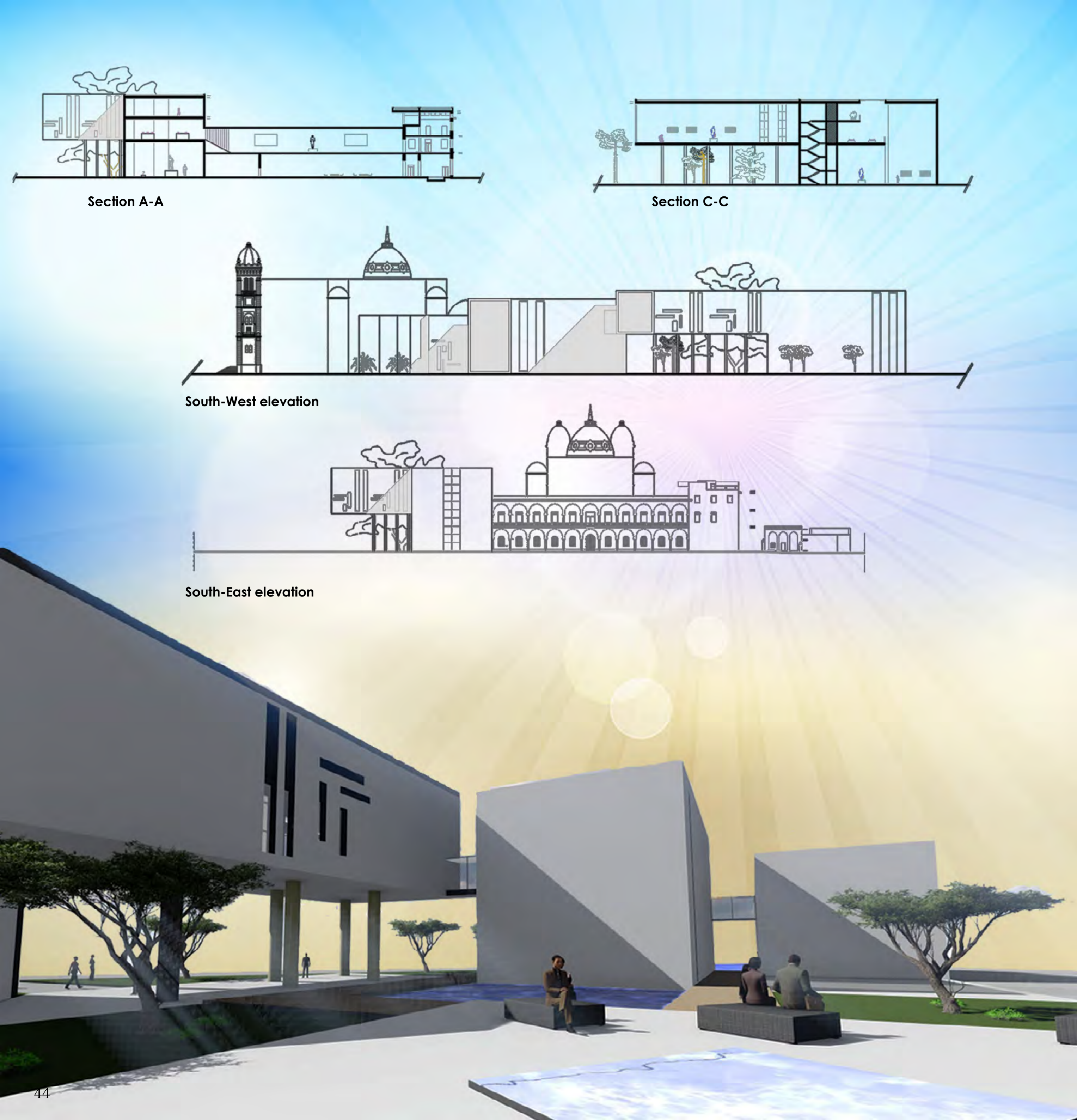
1St Floor Plan



2Nd Floor Plan





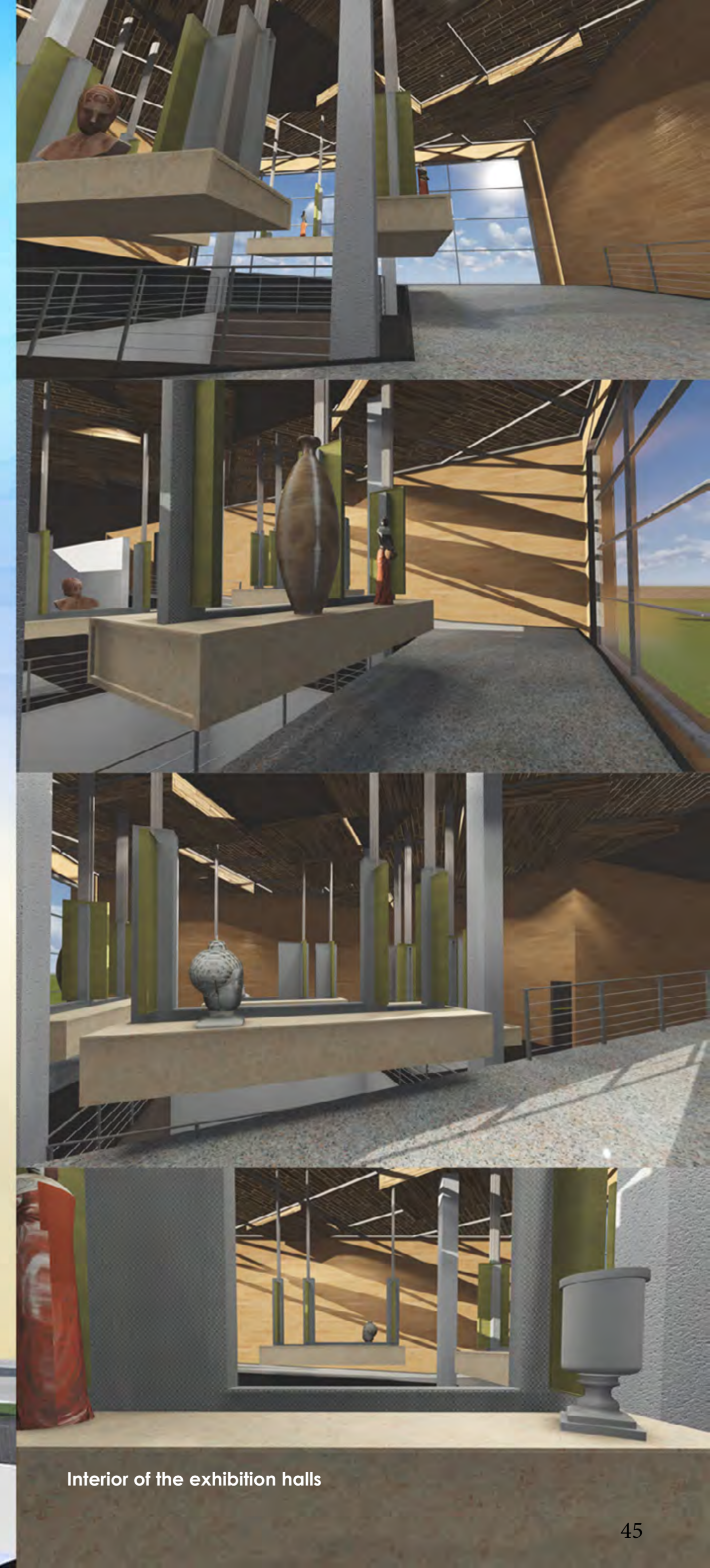


Section A-A

Section C-C

South-West elevation

South-East elevation

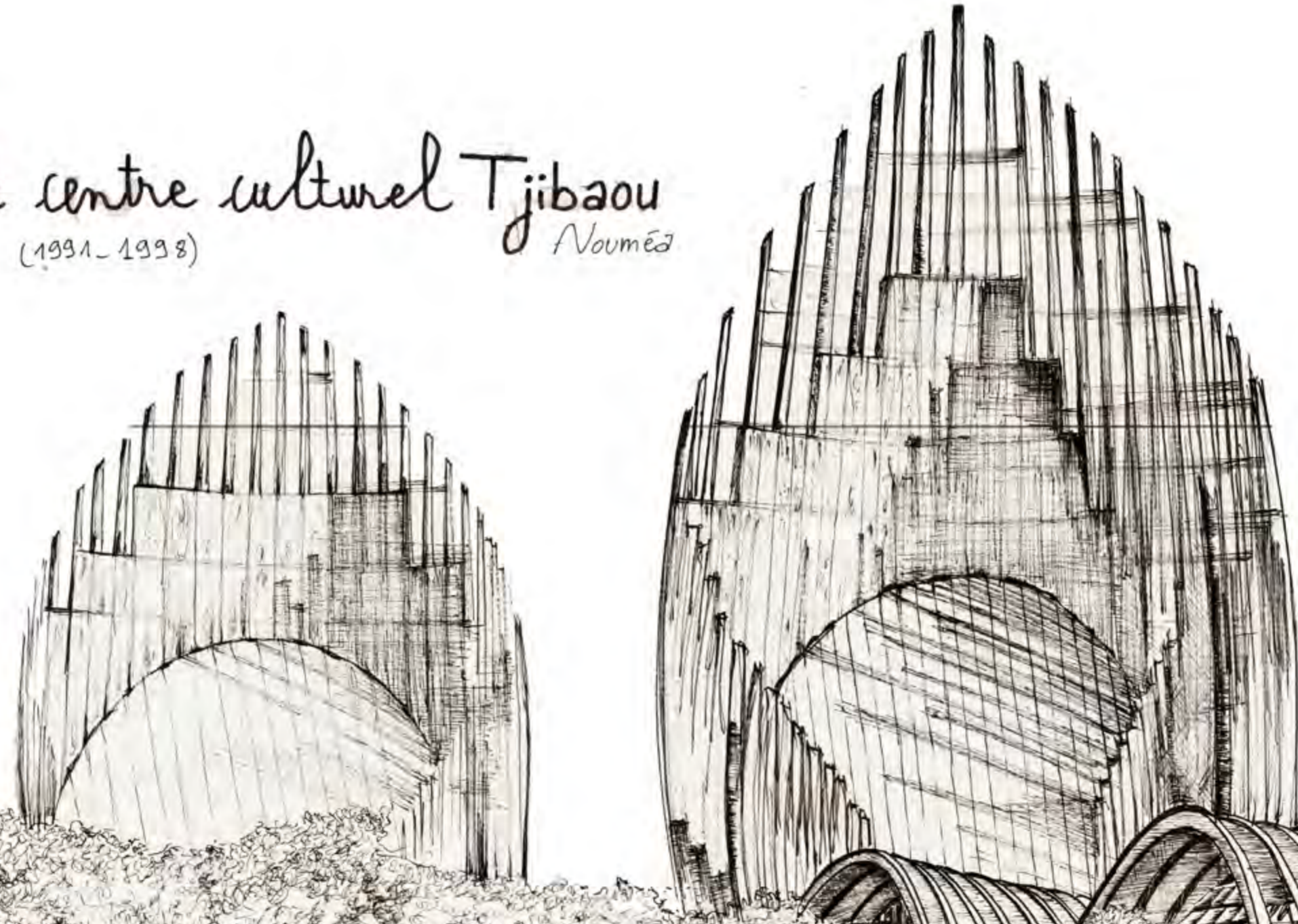


Interior of the exhibition halls

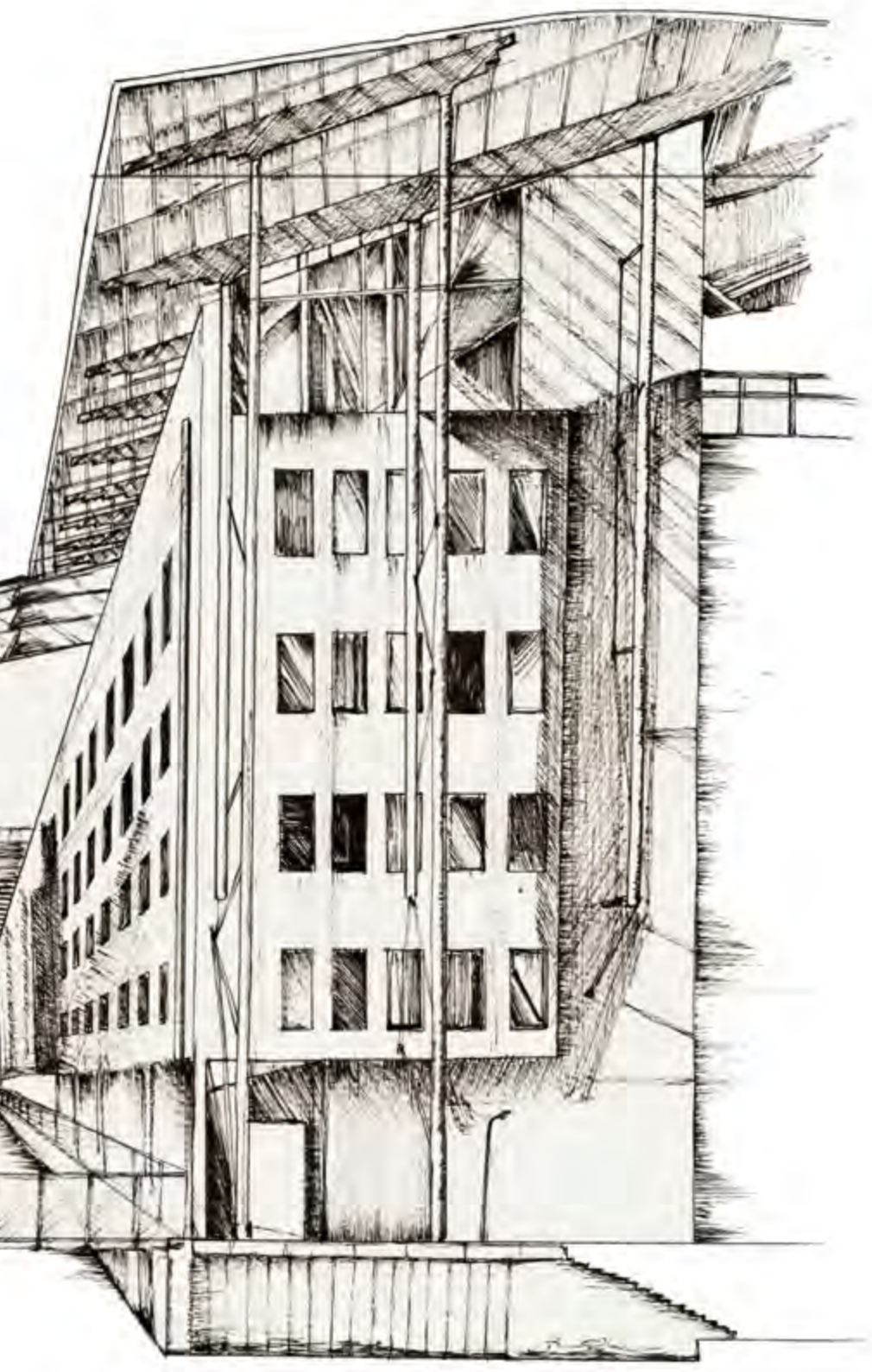


A glimpse on my hand drawings...

Le centre culturel Tjibaou  
(1991-1998) Nouméa

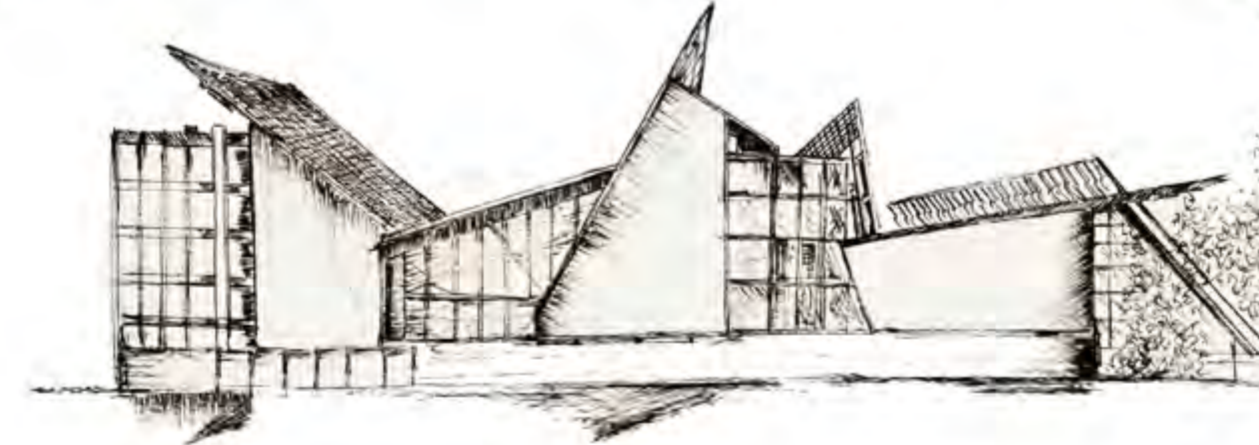


Zentrum Paul Klee - Suisse  
(1999-2005)



Galerie d'art Oslo

Muse : Musée de science en Italie  
(2002-2013)



Musée Madison

Un point commun des conceptions de Renzo Piano est l'ambiance, on dit de ses conceptions qu'elles favorisent une manière d'être naturelle au public.























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