

MOAAZ ABD EL-NASSER HASSAN



ARCHITECTURE PORTFOLIO

SELECTED WORKS | 2018 - 2021

NAME		Moaaz Abd El-Nasser Hassam
CONTACT		moaazx90abdelnasser@gmail.com
WHATSAPP		+201002938623
ADDRESS		Egypt , Alexandria , Al Ibrahimiyah



I am a junior architect and designer that sees design as a way of life. I am constantly looking for the best method to connect human emotions with nature by using architecture to create the ideal environment. I also make an effort to build things that are more unique and authentic.

Education

Bachelors of Fine Arts in Architecture, Alexandria University **2021 graduate**

Experience

Redesign a villa in **Borg El Arab**, Alexandria, and actually participate in construction supervision work **in 2021**

Participate in an **urban project to redesign** the Theoretical Colleges Compound in Alexandria, **in 2020**

Freelancing as an **interior designer** in numerous apartments in Alexandria from **2018 to 2021**

Computer skills

Revit	84%	<div style="width: 84%;"></div>
Rhino	75%	<div style="width: 75%;"></div>
sketchup	78%	<div style="width: 78%;"></div>
Lumion	73%	<div style="width: 73%;"></div>
V-ray	67%	<div style="width: 67%;"></div>
Photoshop	80%	<div style="width: 80%;"></div>
Illustrator	70%	<div style="width: 70%;"></div>
Indesign	60%	<div style="width: 60%;"></div>

Exhibition

Architectural theory II, architecture movements & pioneers - **Russian constructivism in 2018**

Interests

Sketching | Digital art | Graphic design
Gym | Kung fu | Workout | Psychology
Photography

Language

Arabic | English

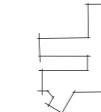
Content



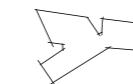
1-Mediterranean lighten gate museum
Graduation project- Jul- 2021



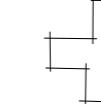
2-Borg El Arab Villa
Professional work - May - 2021



3-GH Public Hospital
Third year- May- 2020



4-Alexandria Visitors Center
Third year- Dec- 2019



5-Fount Residential building for youth
Third year- Oct - 2019



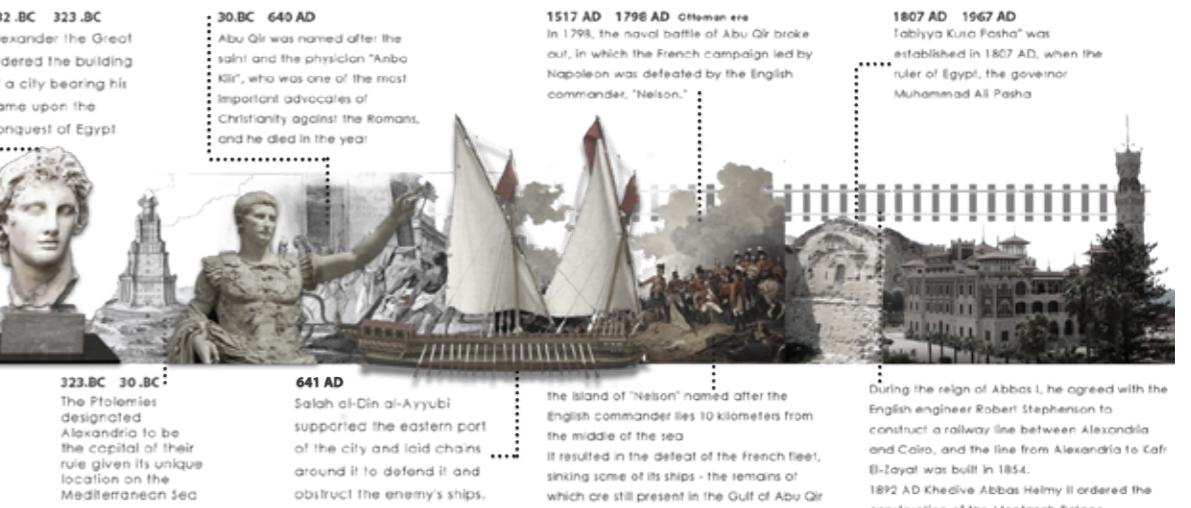
6-Diwany couples garden landscape
second year- Oct - 2018

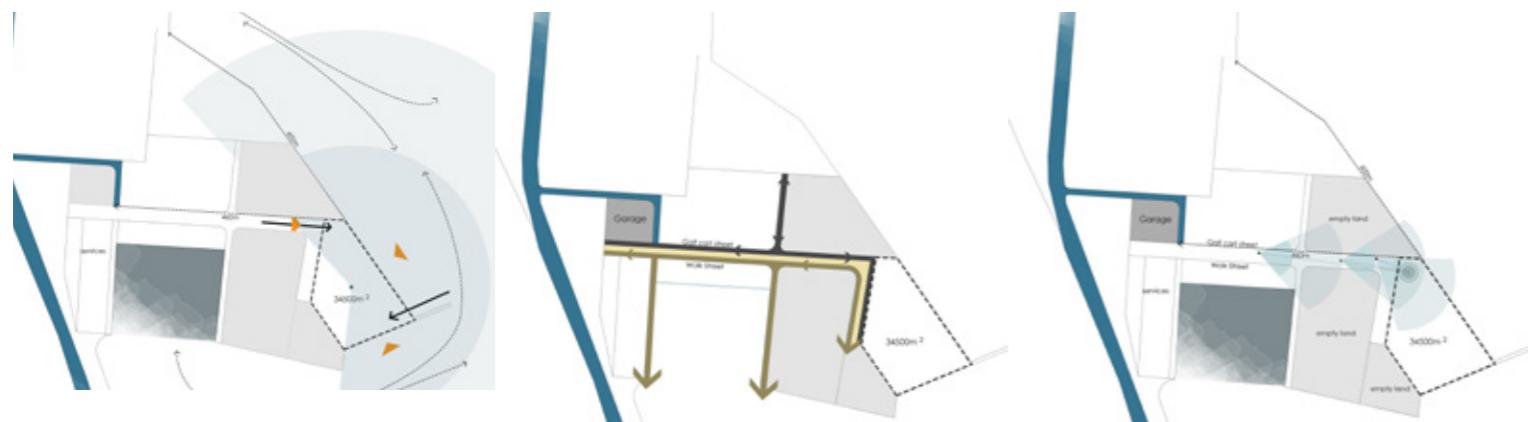
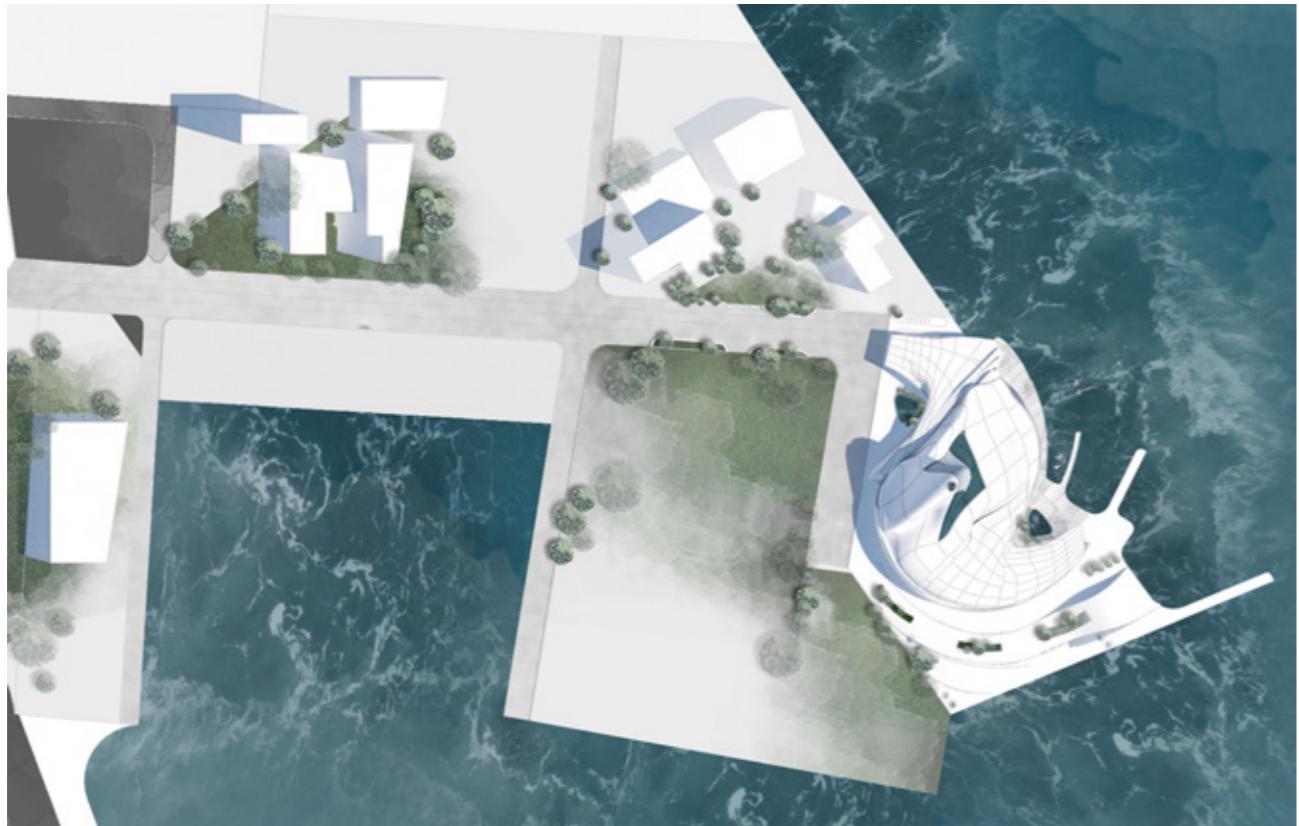


Mediterranean lighten gate museum

Alexandria is known for its lighthouse, which is one of the Seven Wonders of the Ancient World and could lead ships and boats up-to of 50 km away. I used the lighthouse concept for my museum design, **the philosophy is**, to lead anyone who wants to know about Alexandria and its history. As a result, the museum serves as both a gateway to the past and the eastern gateway to Alexandria.

The project concept is based on being a well-known landmark in Alexandria and becoming the eastern lighthouse and Alexandria's eastern sea gate using the lighthouse concept and spiral fibonacci.



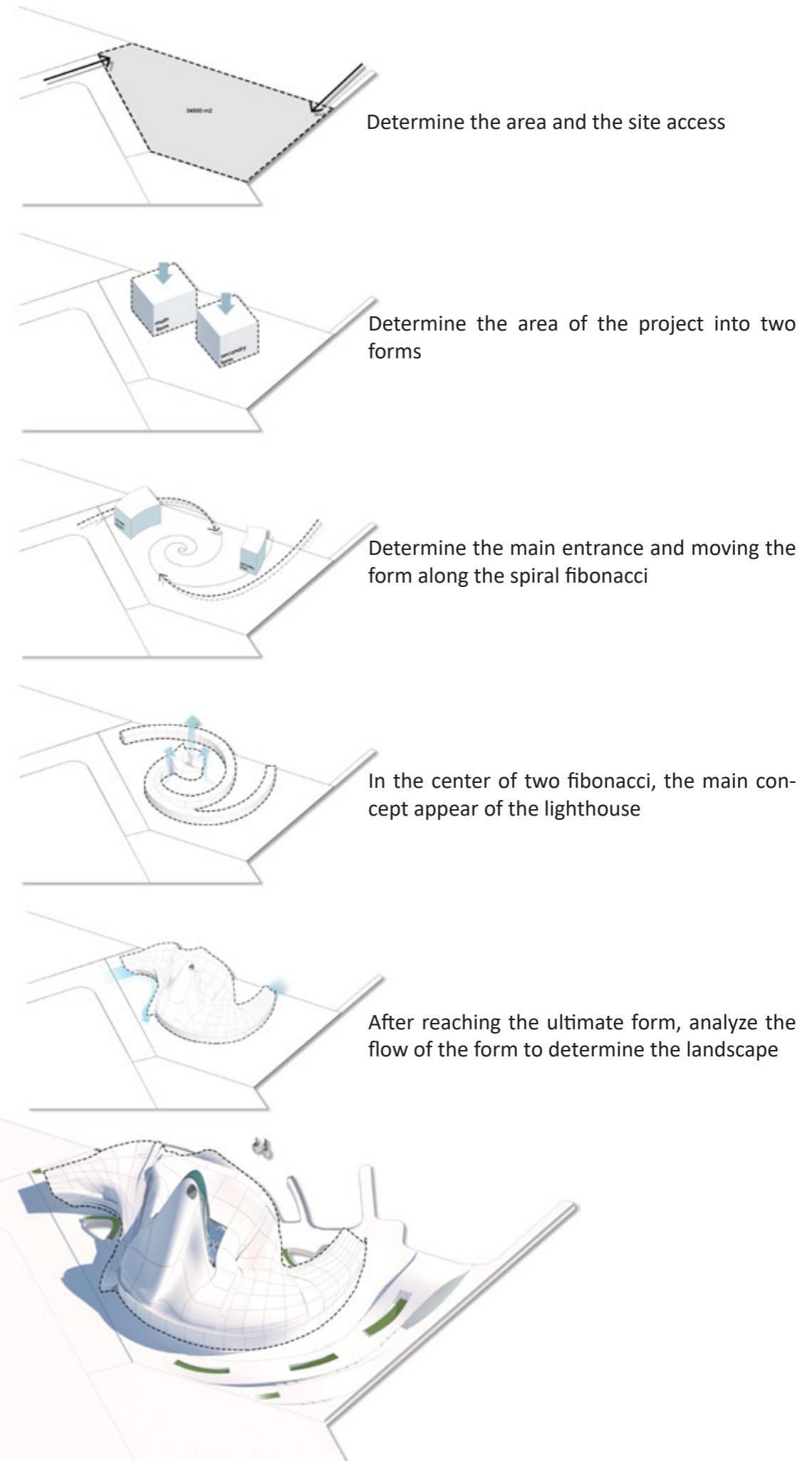
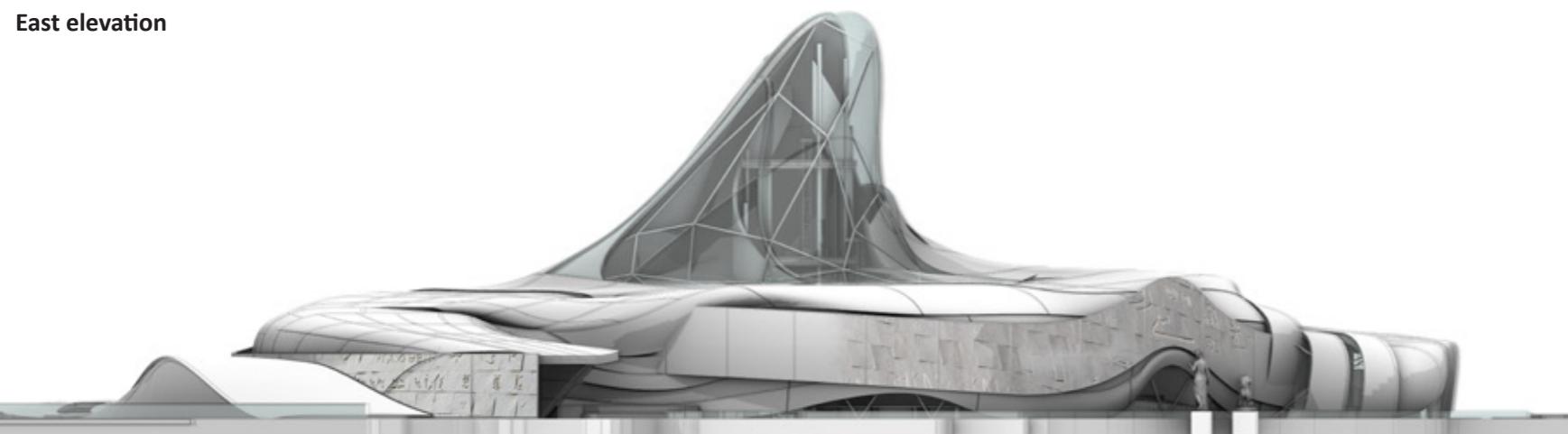


With two elevations that faces the water and one faces the main street

Public parking is about 460m away, determining the introductory pathway

From site analysis, the port is 600m away and the garage is 460m away. The dead sea where the fishers boats berth, is 240m away from the site.

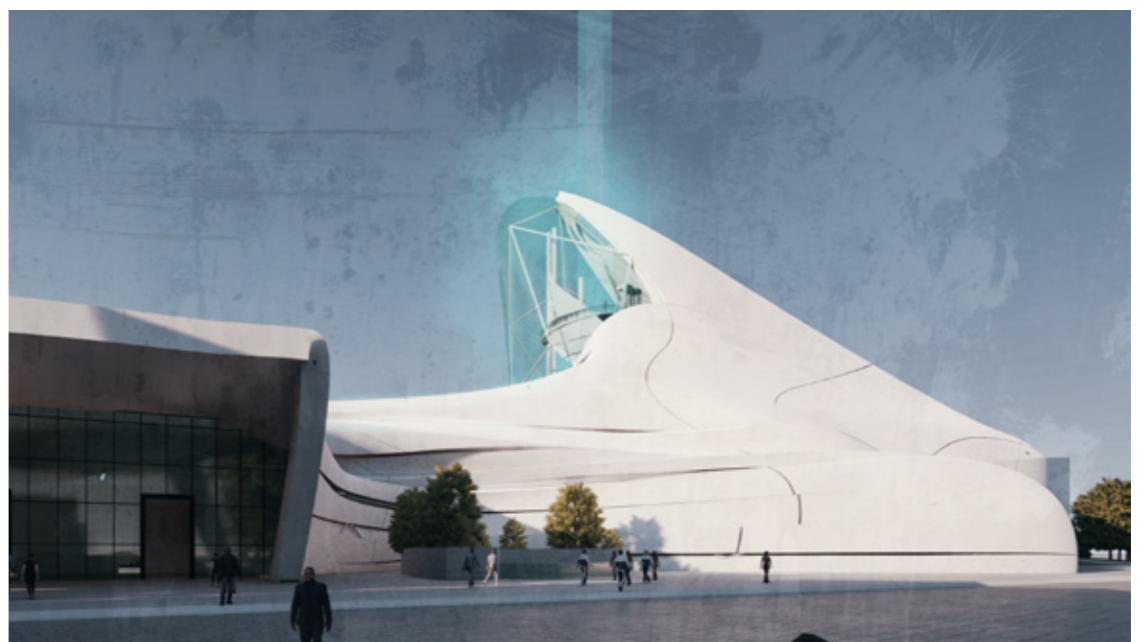
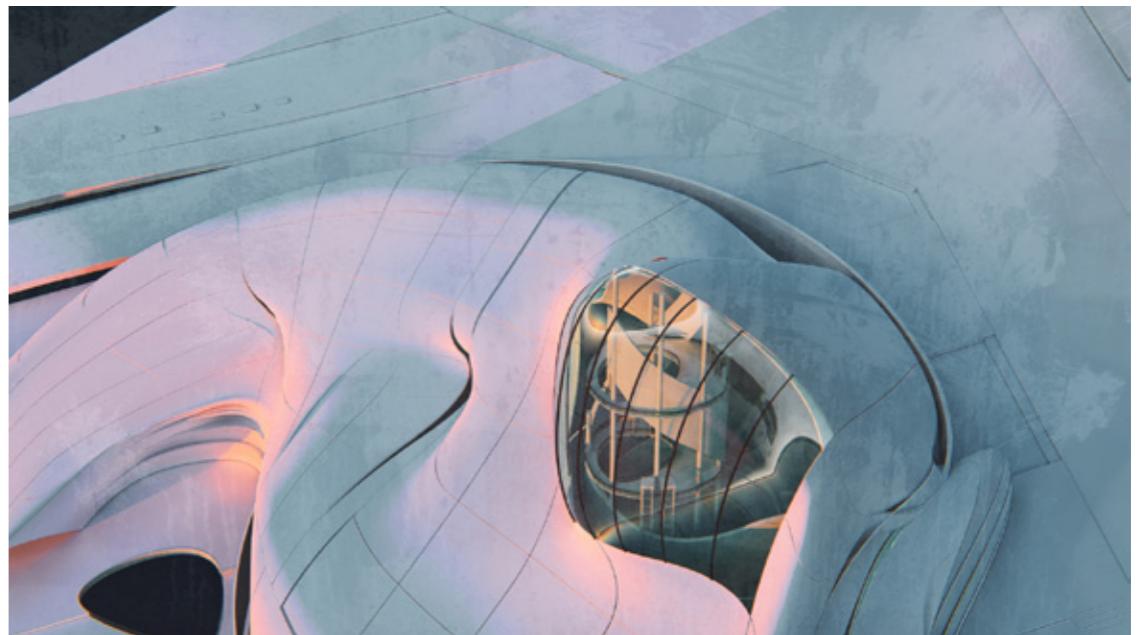
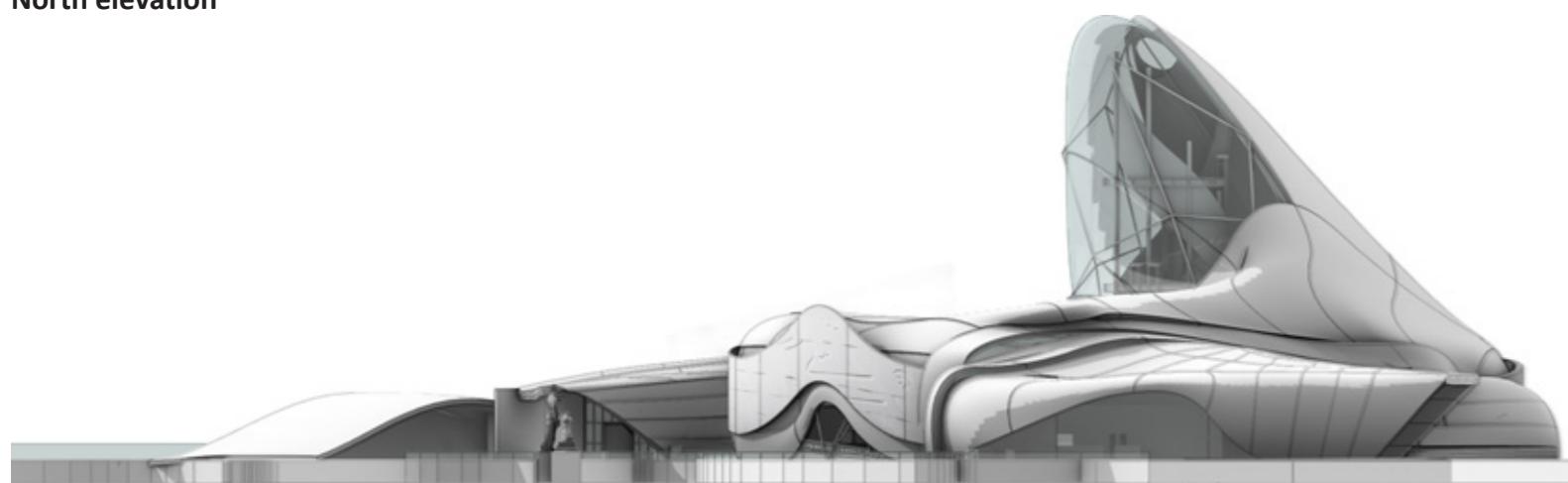
East elevation



Ground floor plan lvl zero cut lvl 1.2



North elevation





22 Roots hall

- Before Alexander
- Alexander era
- Alexandria Planning and the light house

23 The illuminated hall

- Ptolemaic Era
- light house
- Display warship
- library of alexandria



24 Dark hall

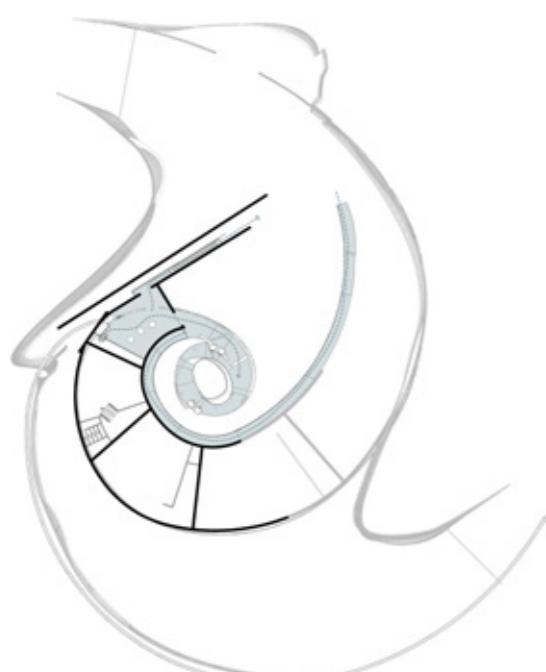
- Burning the library
- Hollowgram hall
- life in the Roman era

25 Resistant hall

- Alexandria and Christianity in VR tecnology

26 Light hall

- Islamic Conquest of Alexandria
- islamic eras
- Qaitbay Castle and the lighthouse



27 War hall

- VR display
- VR room

28 light house hall

- multi exhibit

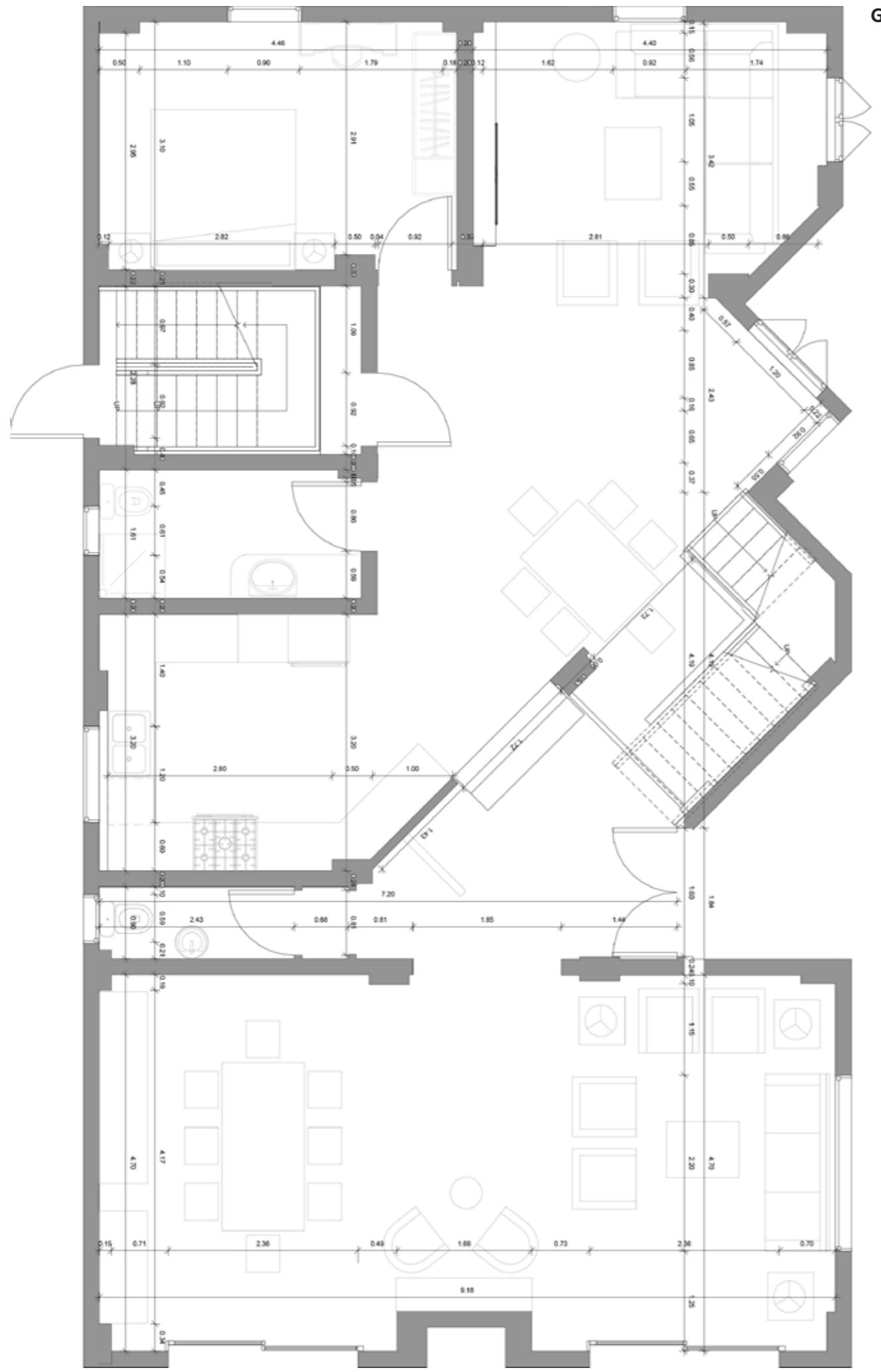




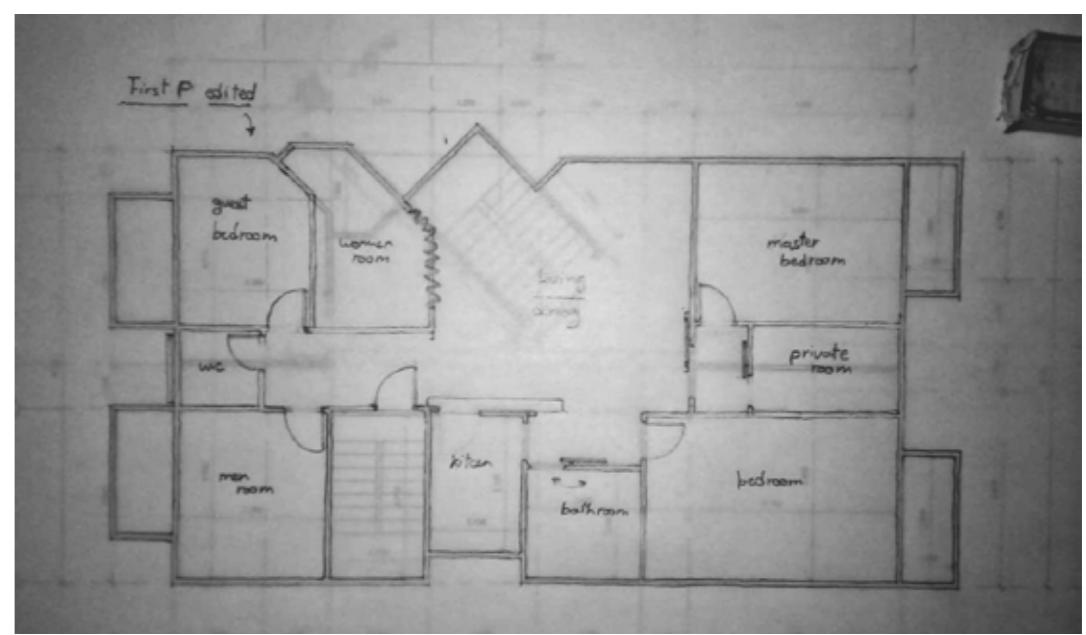
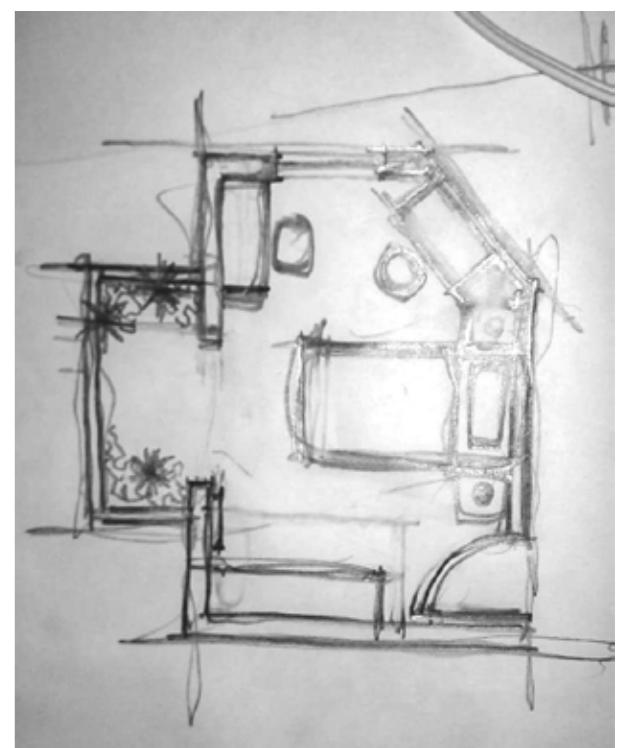
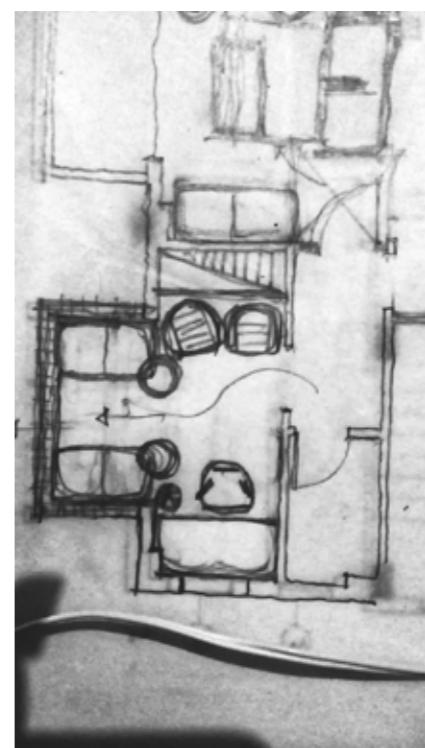
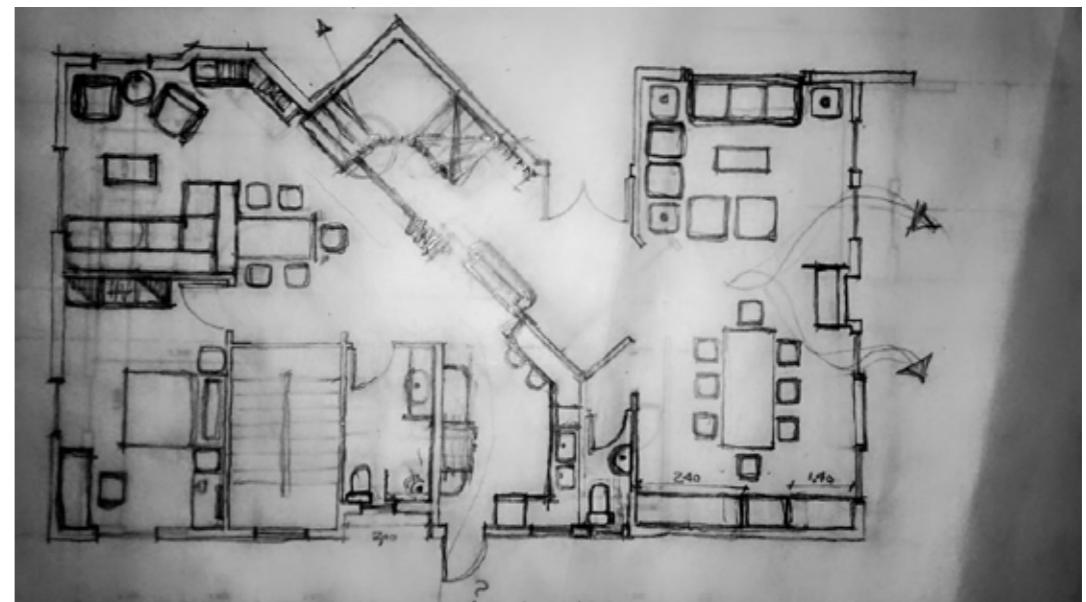
Borg El Arab Villa

A villa was created as a residence for a family who enjoys spending the majority of their time at home. The family includes a father who is an engineer, a mother who stays at home with their three daughters, and a son who is a creative engineer. The parents prefer neoclassical style, while the son prefers modern, minimal, and contemporary design, so we tried to merge between modern minimal style and neoclassic.

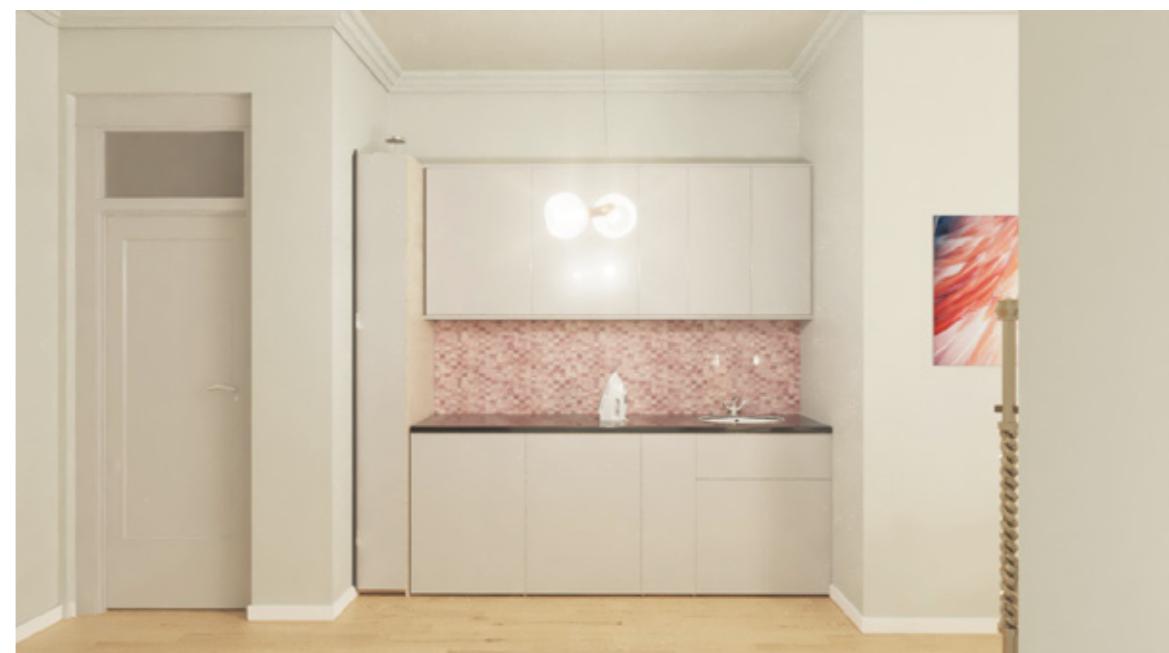
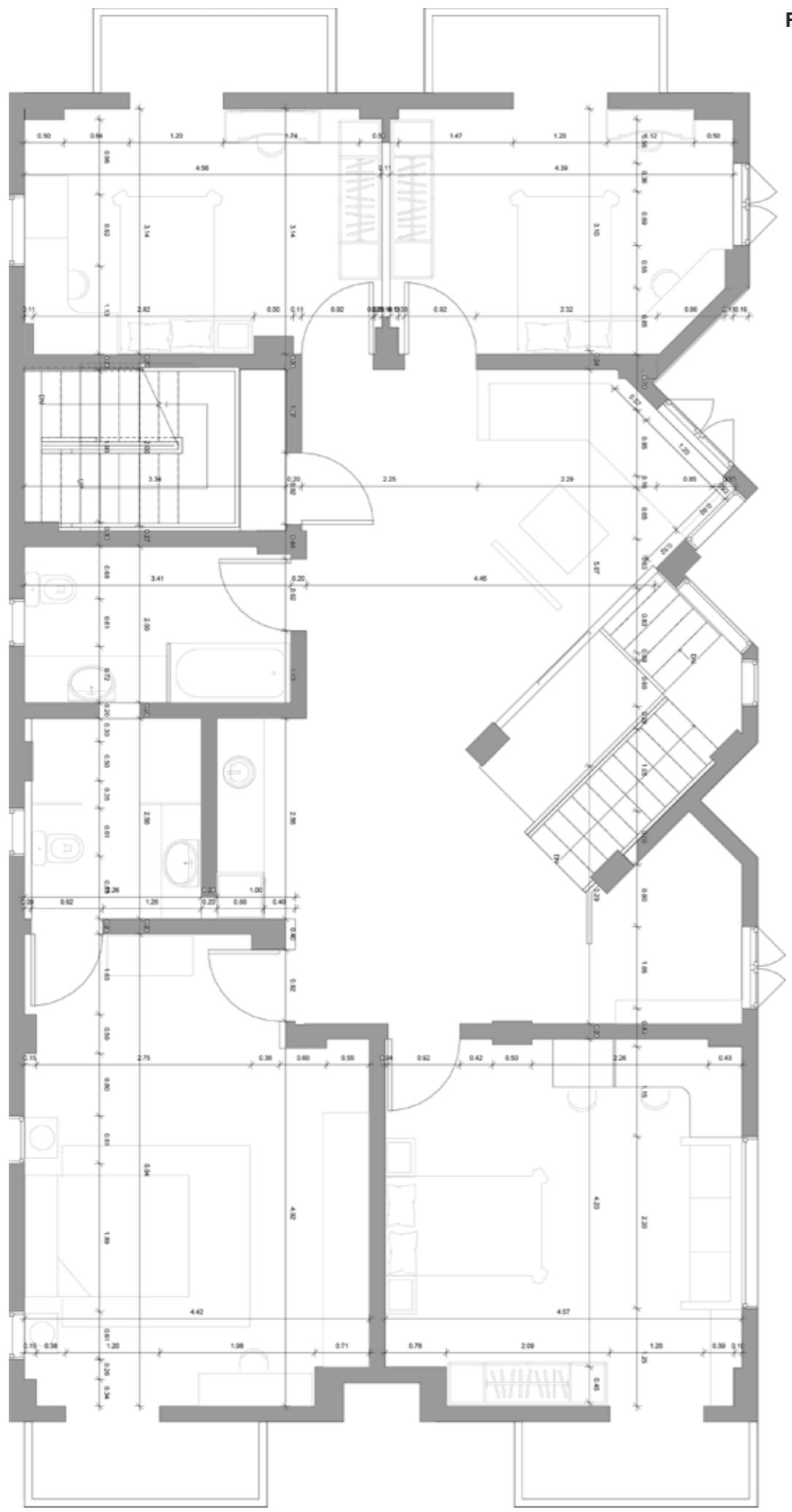
After fifteen years of designing the villa by another architect, the client decided to redesign his villa. We preserved the client's favourite plan outline and redesigned more interior areas while also creating a concept for the exterior elevations.

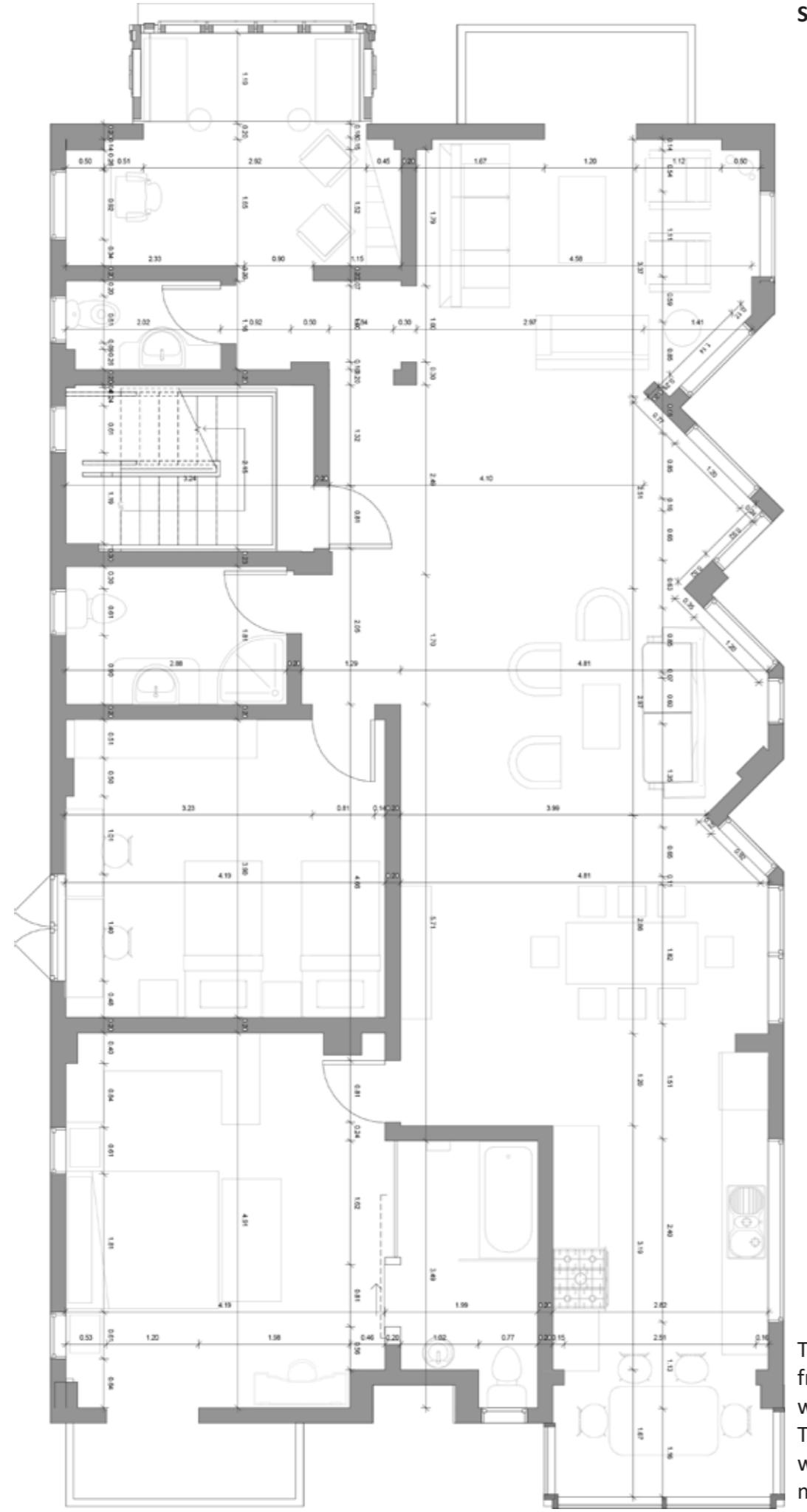


Ground floor plan



First floor plan





Second floor plan

This floor was designed separately from the other floors as the client wishes it to be a flat by its own. Thus, this floor we changed all walls and spaces to be well-lit and maximized airflow.





GH Public Hospital

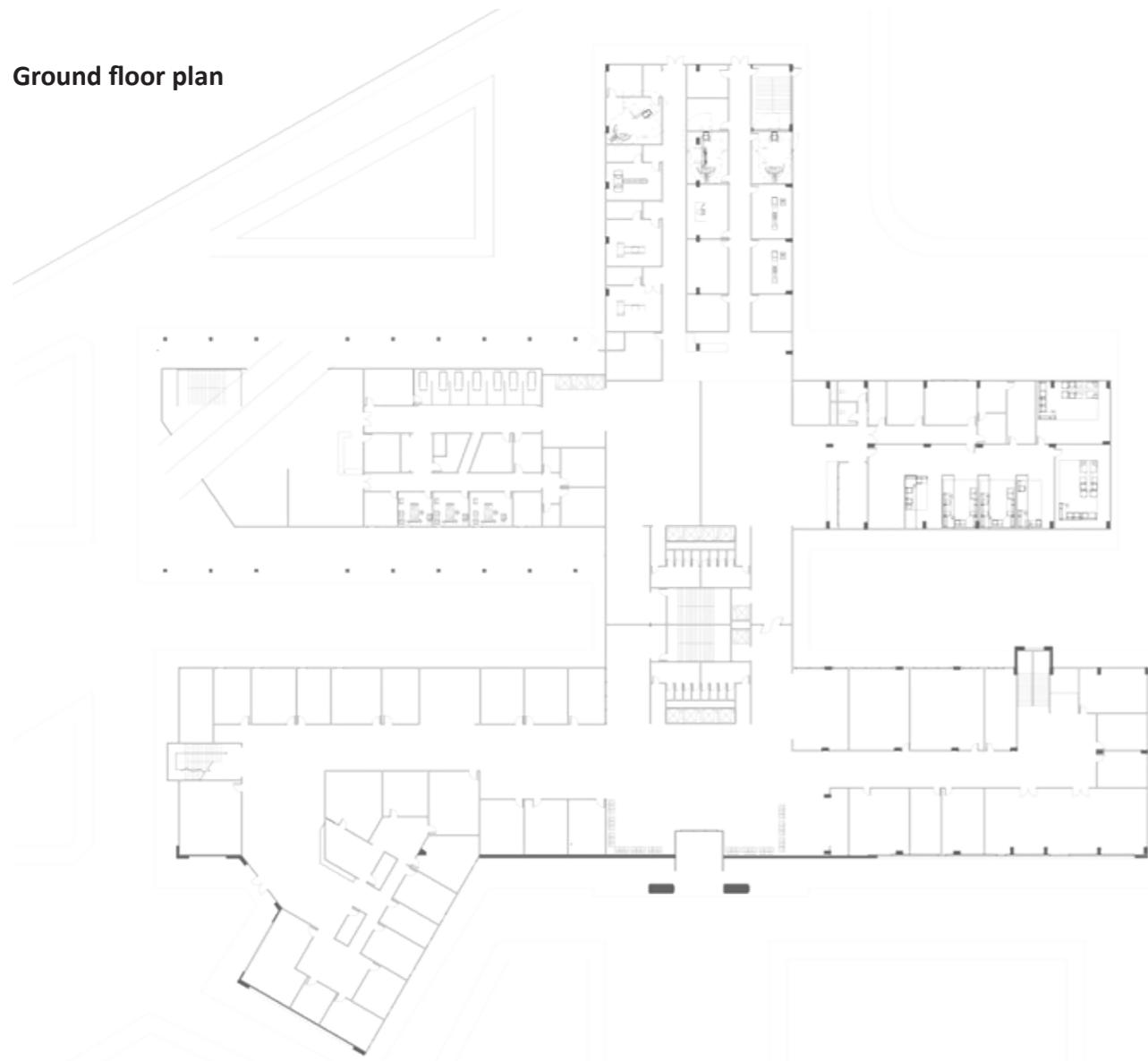
This build is of the functional type, yet we decided to find the beauty within.

Through architectural theories, the hospital code, and some architectural elements, this building was built largely to provide psychological comfort for visitors and patients upon their arrival and to aid in their recovery.

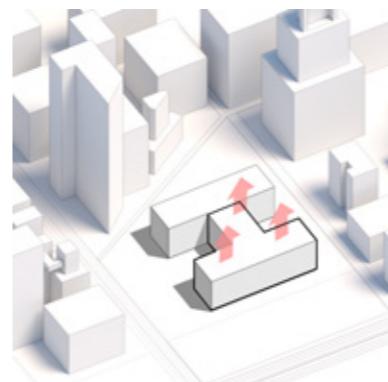
The design concept is directed toward simplicity as well as increasing the opening areas, bringing in plenty of natural lighting into the hospital while also allowing patients to see the outside world and not feel isolated. thus increasing psychological comfort. We surrounded the hospital with green spaces, added some inside, placed others on top of the building.



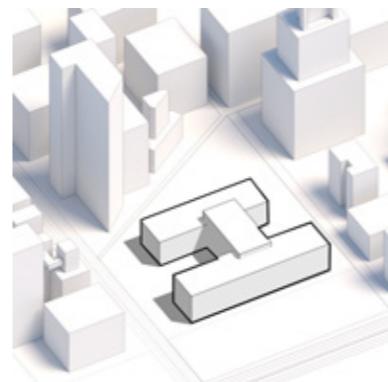
Ground floor plan



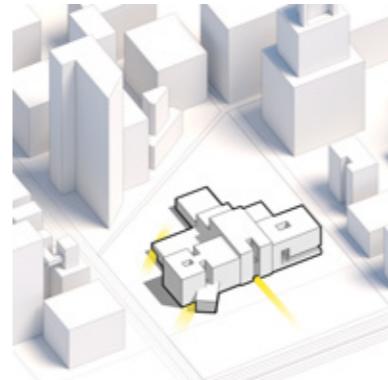
calculating hospital's total area starting site analysis the traffic and main rods to our site and calculate specific building area and right of way to determine the form boundary



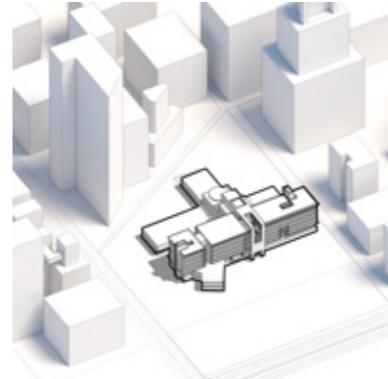
At this stage we started moving the three blocks according to the function and area of each space



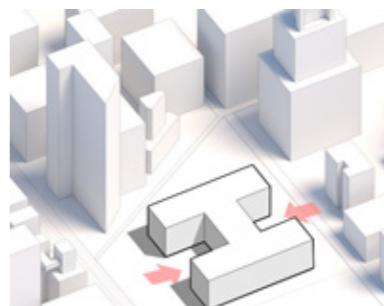
After we reached to the simplified form, we started with the general idea that we adopted in the project



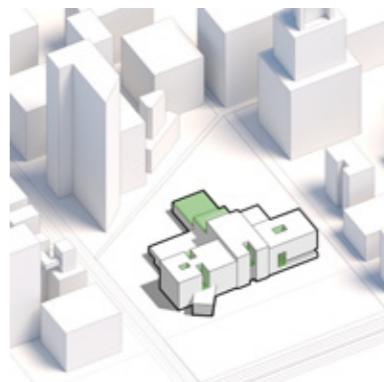
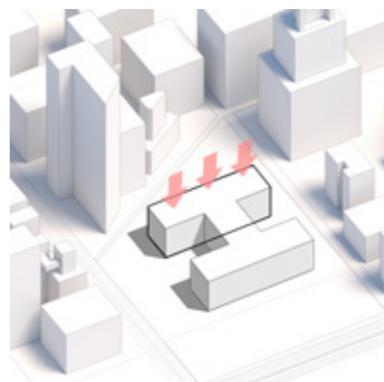
According to the analytical study of the site, the entrances were determined from the main facade of the building and the main street to the secondary entrance and the emergency entrance on the secondary street



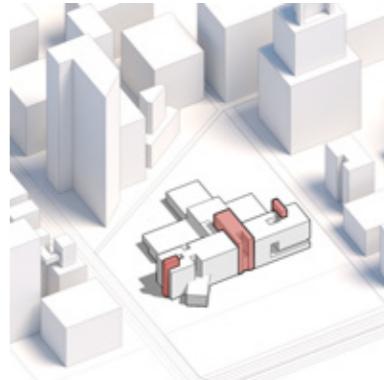
An emergency helipad has been added on the roof to help the injured reach the emergency space, as the hospital requires its location in the new alamein city



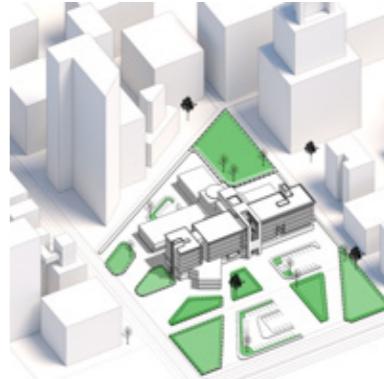
Two parts of main figure have been removed to form three main zones



We started deleting areas from the main block to add green space, and accordingly, the number of roundabouts in the visitors'space was increased to have a view of green space



We began to define the vertical communication elements according to the distribution of spaces and functions in the building



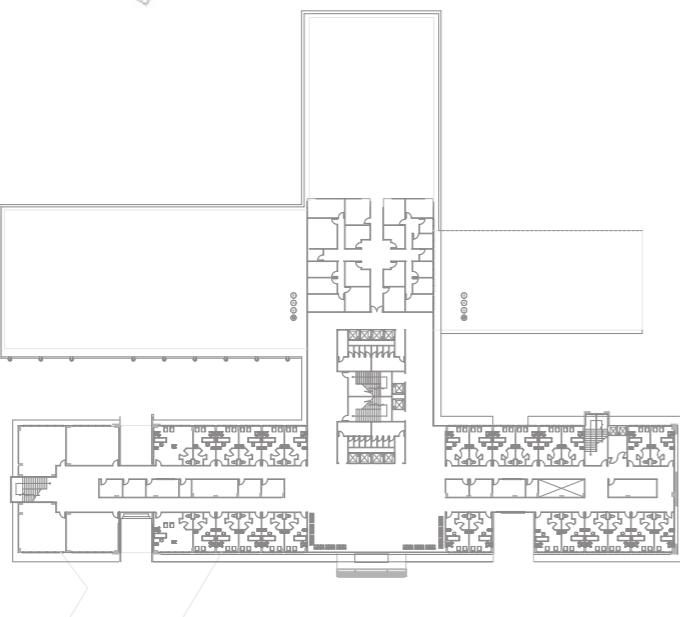
After determining the shape of the building according to the design principles and determining the main and secondary entrances and exits, the general site was designed on the basis of the entrances and according to the calculation of the number of walks required for administrators and expected for visitors



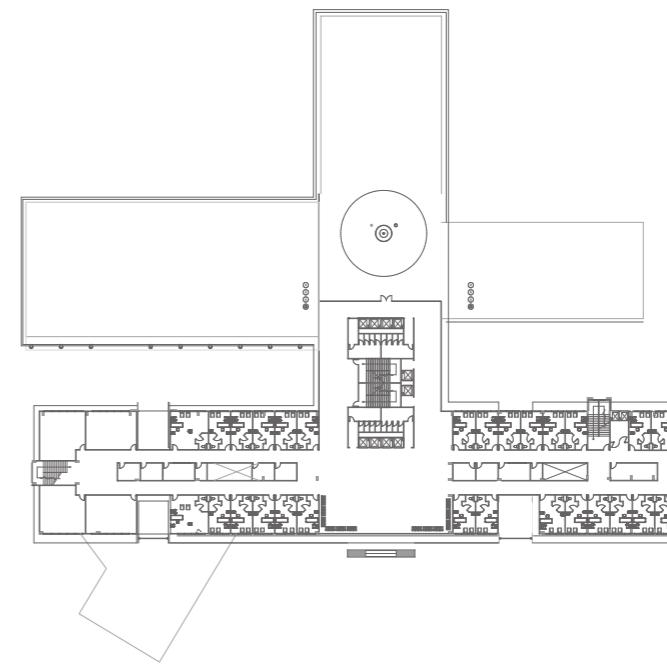
First floor plan



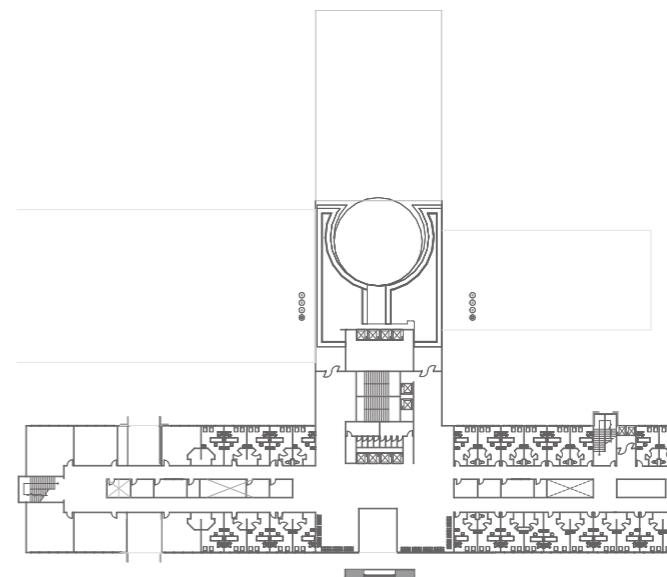
second floor plan



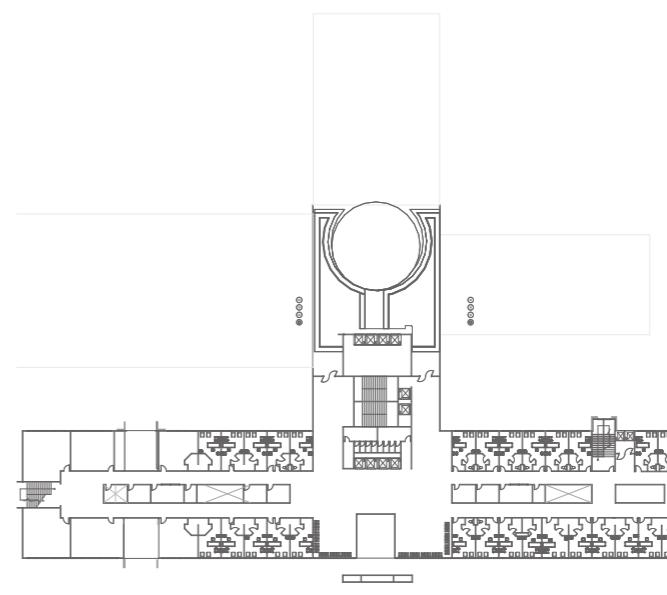
Third floor plan

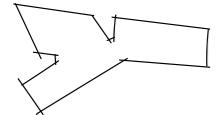
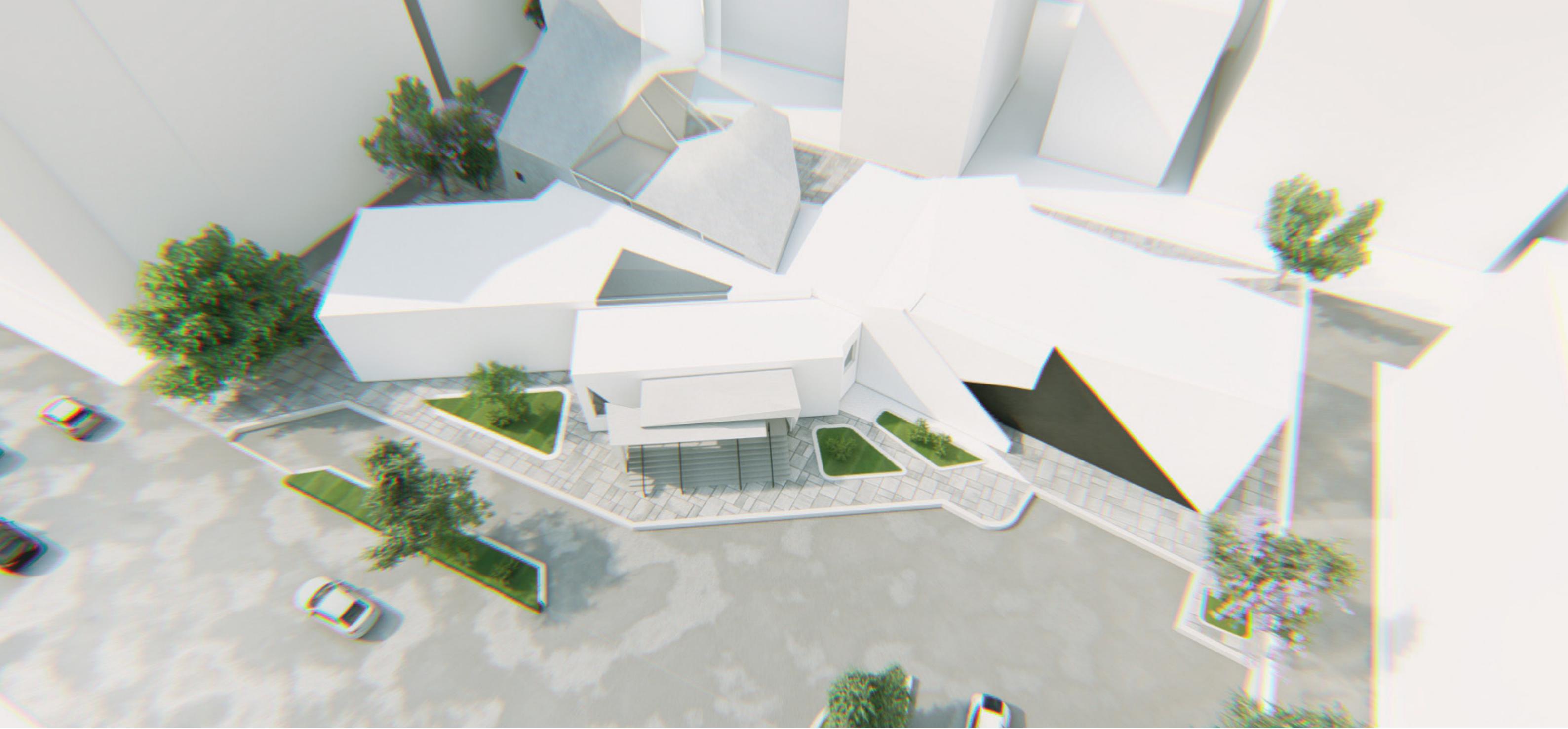


Fourth floor plan



Fifth floor plan





Alexandria Visitors Center

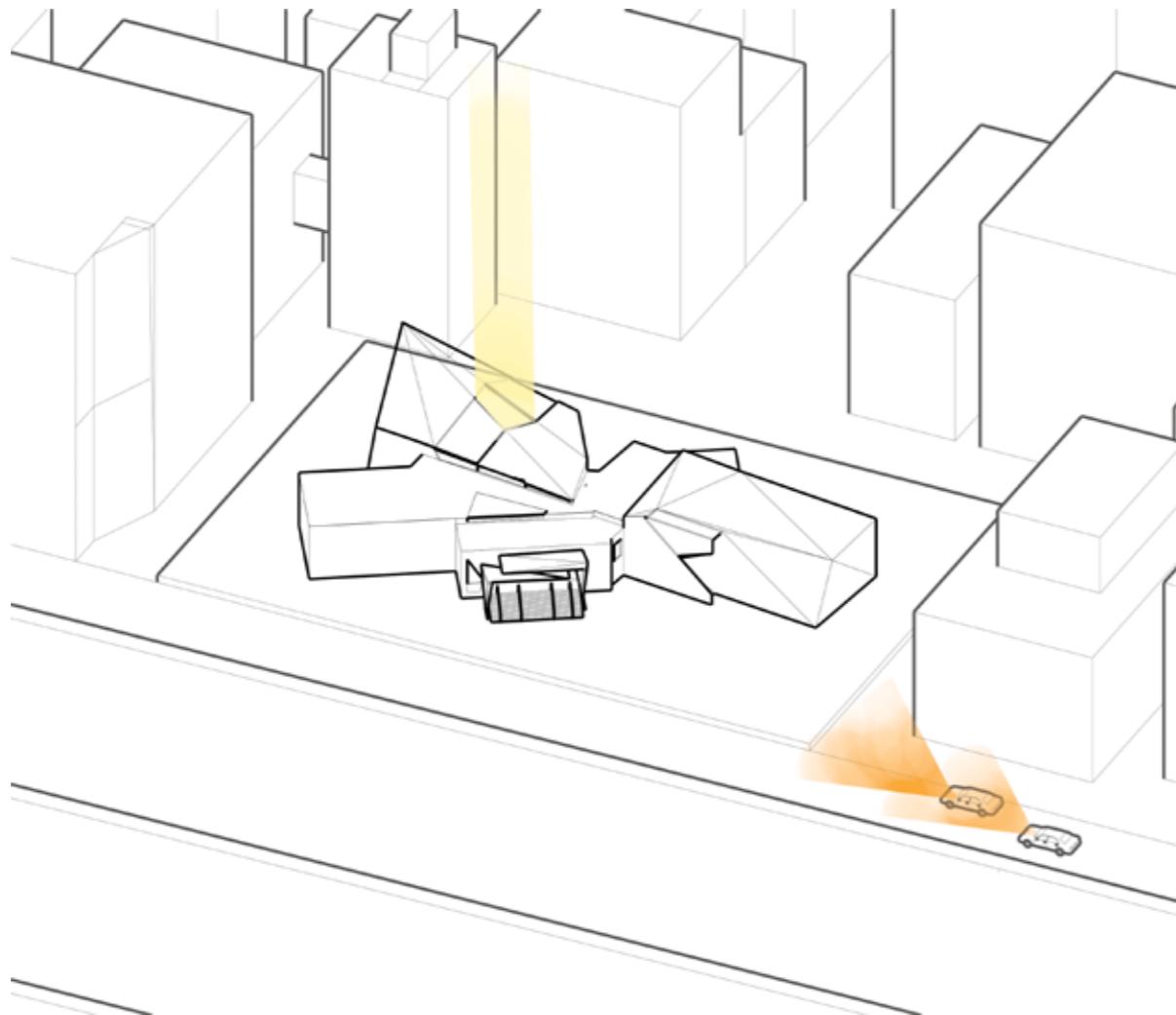
land mark center

The visitor center is conveniently located on the main highway in Alexandria. If you know nothing about Alexandria and are visiting for the first time, this visitors center will give you a brief history of the city and will point you in the right direction to begin your fascinating journey.

You can visit the main exhibition hall to see a large maquette of Alexandria, as well as the 3D cinema to see vivid showcases about it, so you can learn more about your next destination and Alexandria in general.

Form development

developing the form based on site analysis and determining the entrance location and orientation, and mostly the solid and void in the form based on the concept

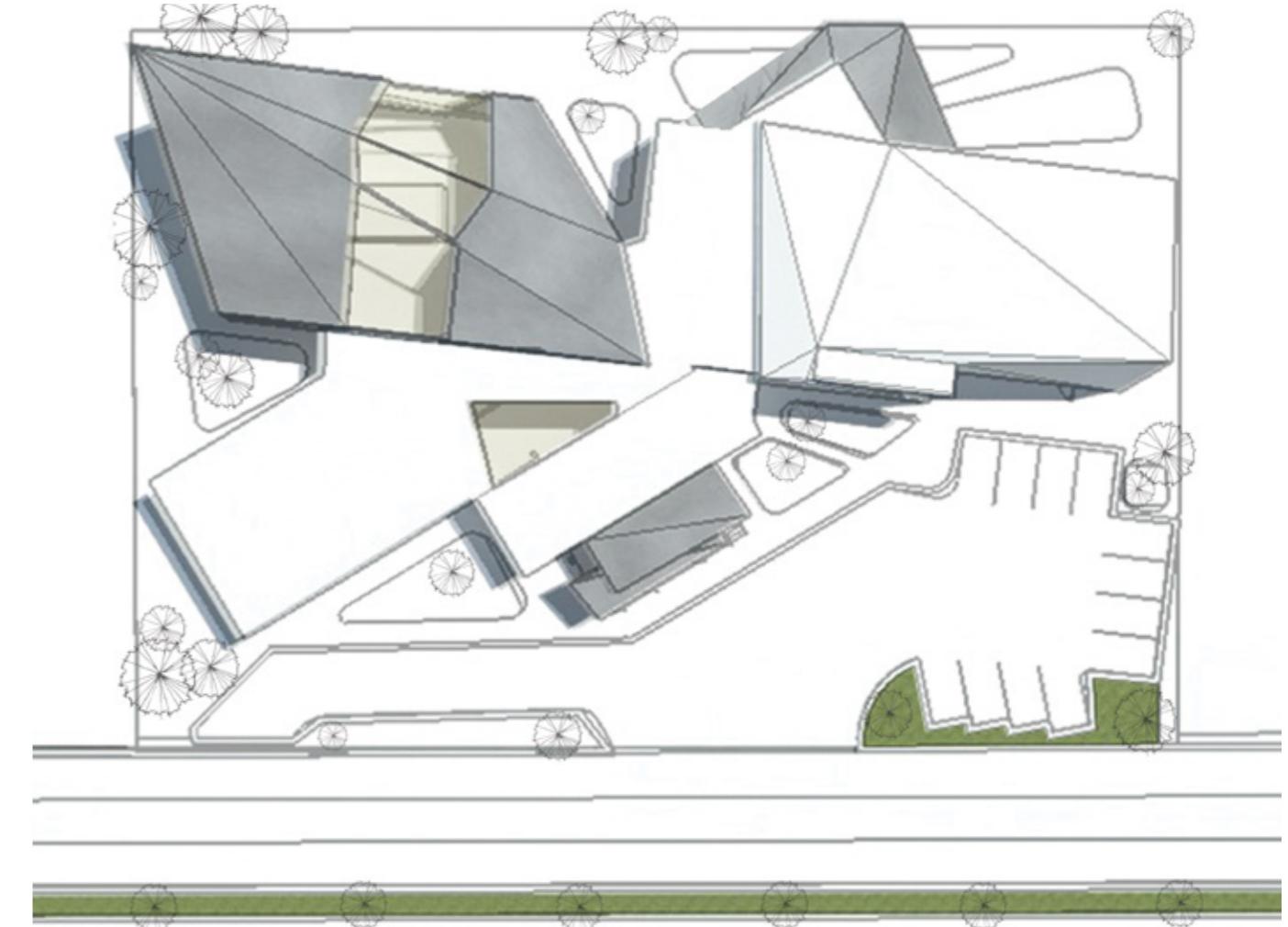


Concept

(light house / landmark)

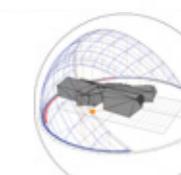
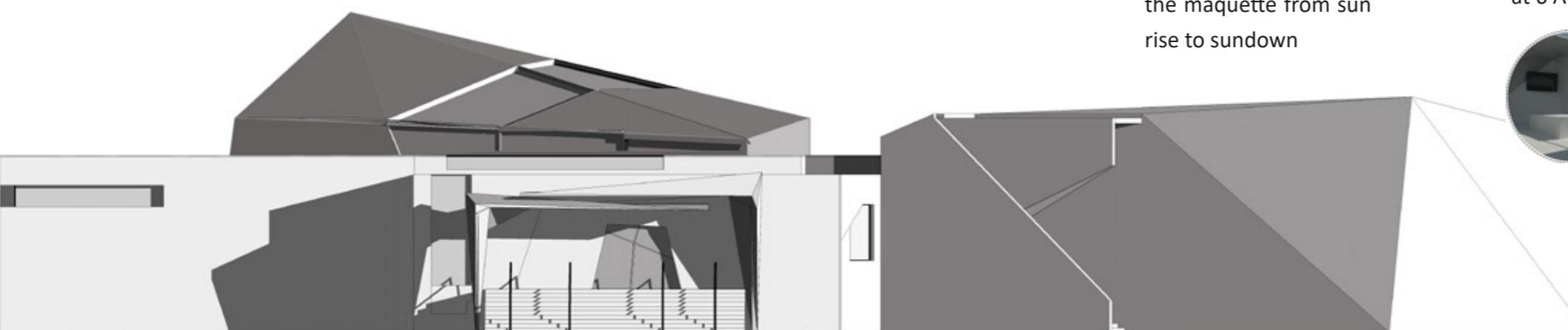
Our project is located on a highway, thus we need something to lead to this building easily and quickly, adopting the notion of Alexandria's lighthouse, which lights the way for sailors, and abstracting the lighthouse concept into a pole of light illuminating from an opening above the maquette at night

In addition, the maquette is lighted by natural light from dawn to sunset, as seen in the sun path diagram below

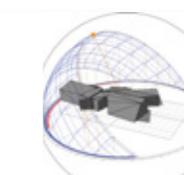


Climatic analysis

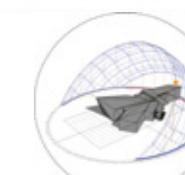
determining the shape of the opening that will achieve concept light the maquette from sunrise to sundown



at 6 AM

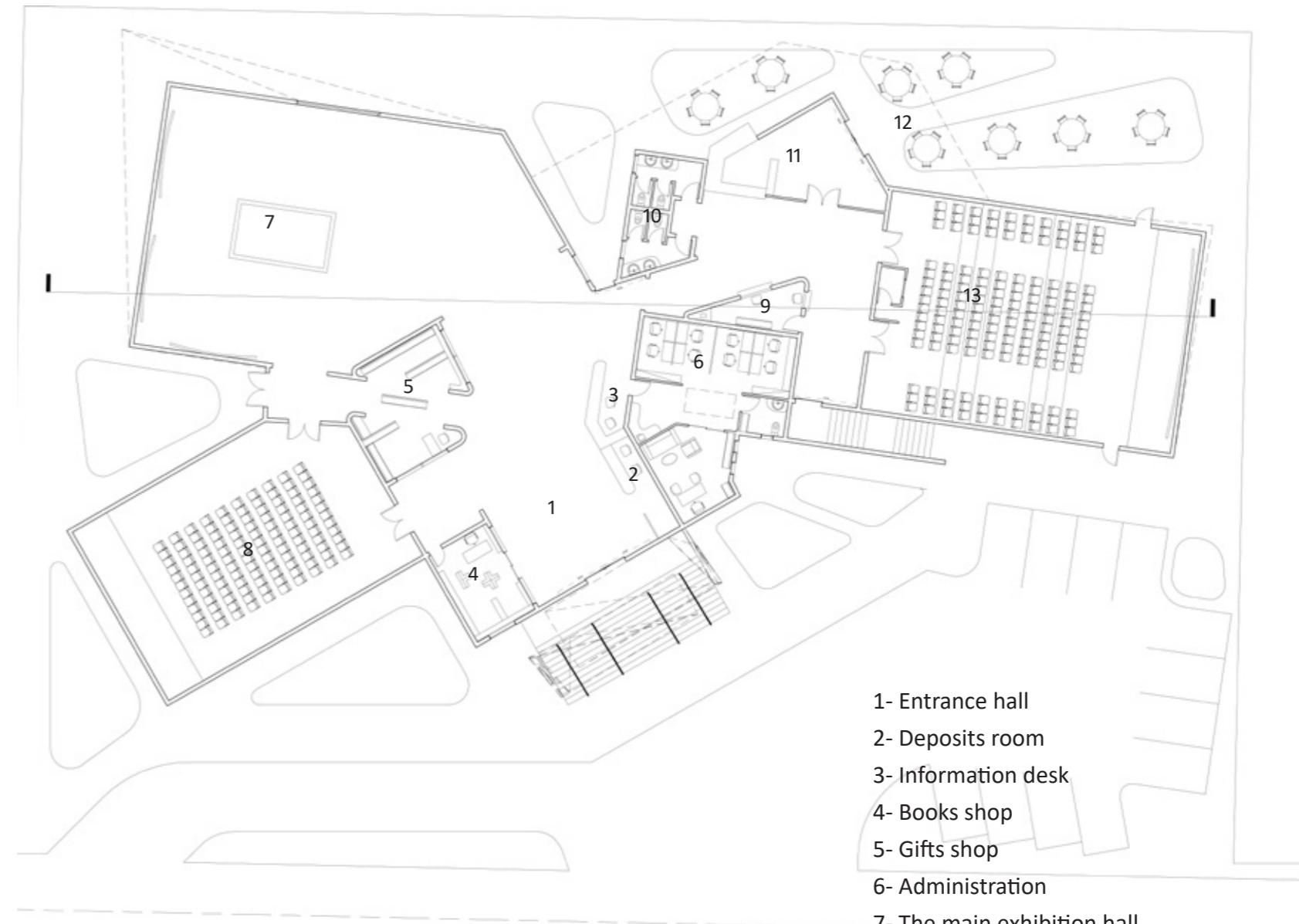
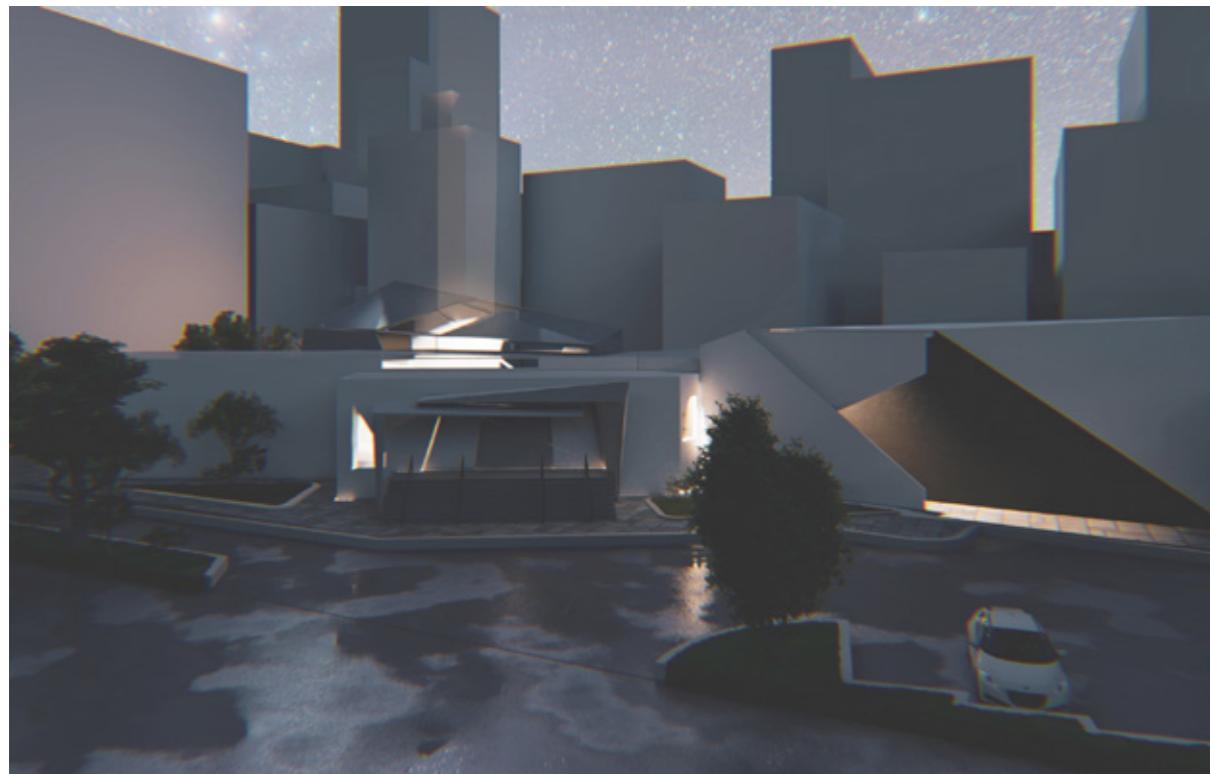
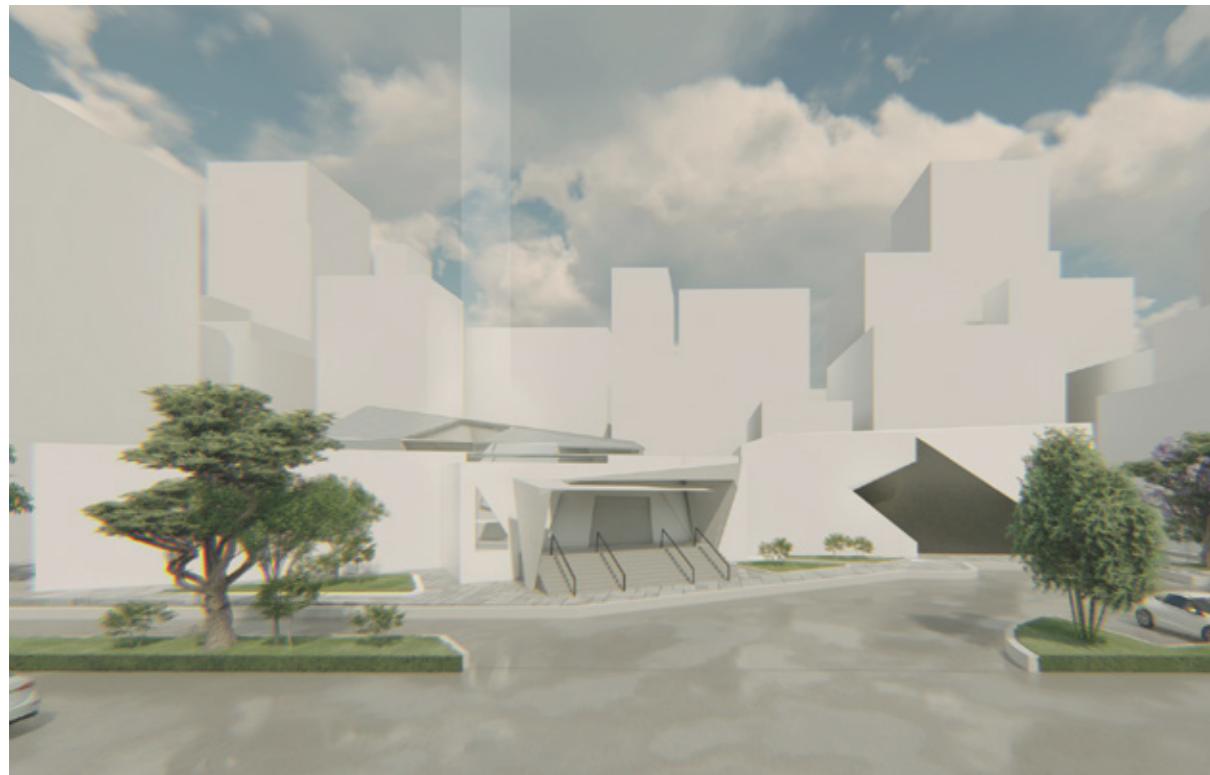


at 12 PM

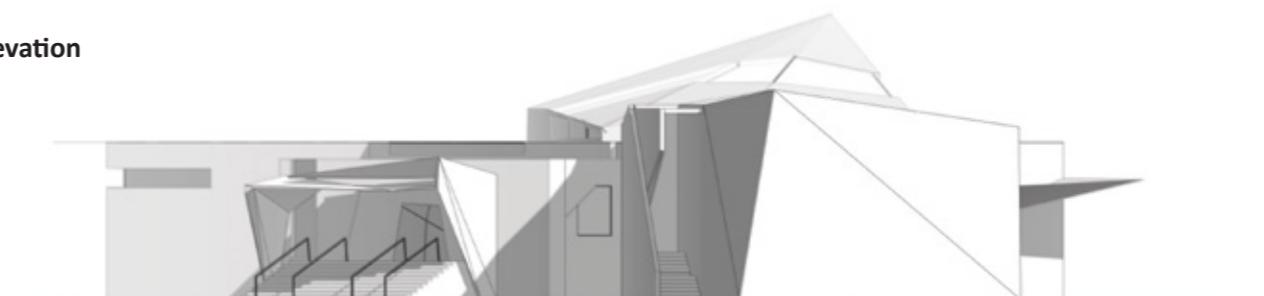


at 5 PM





Second elevation



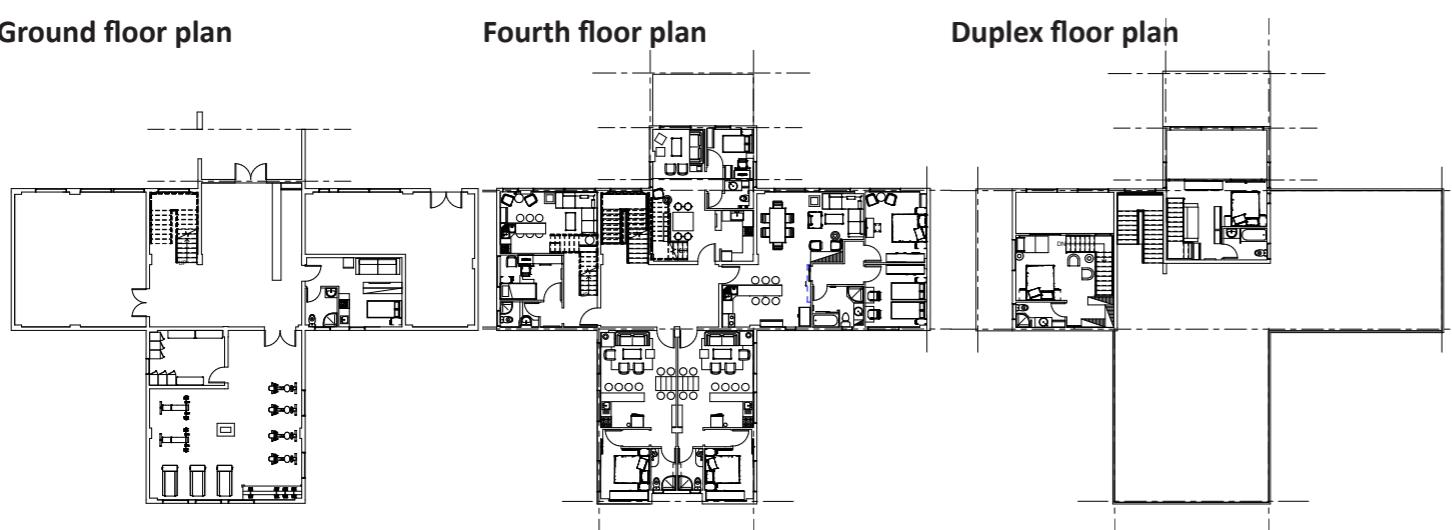
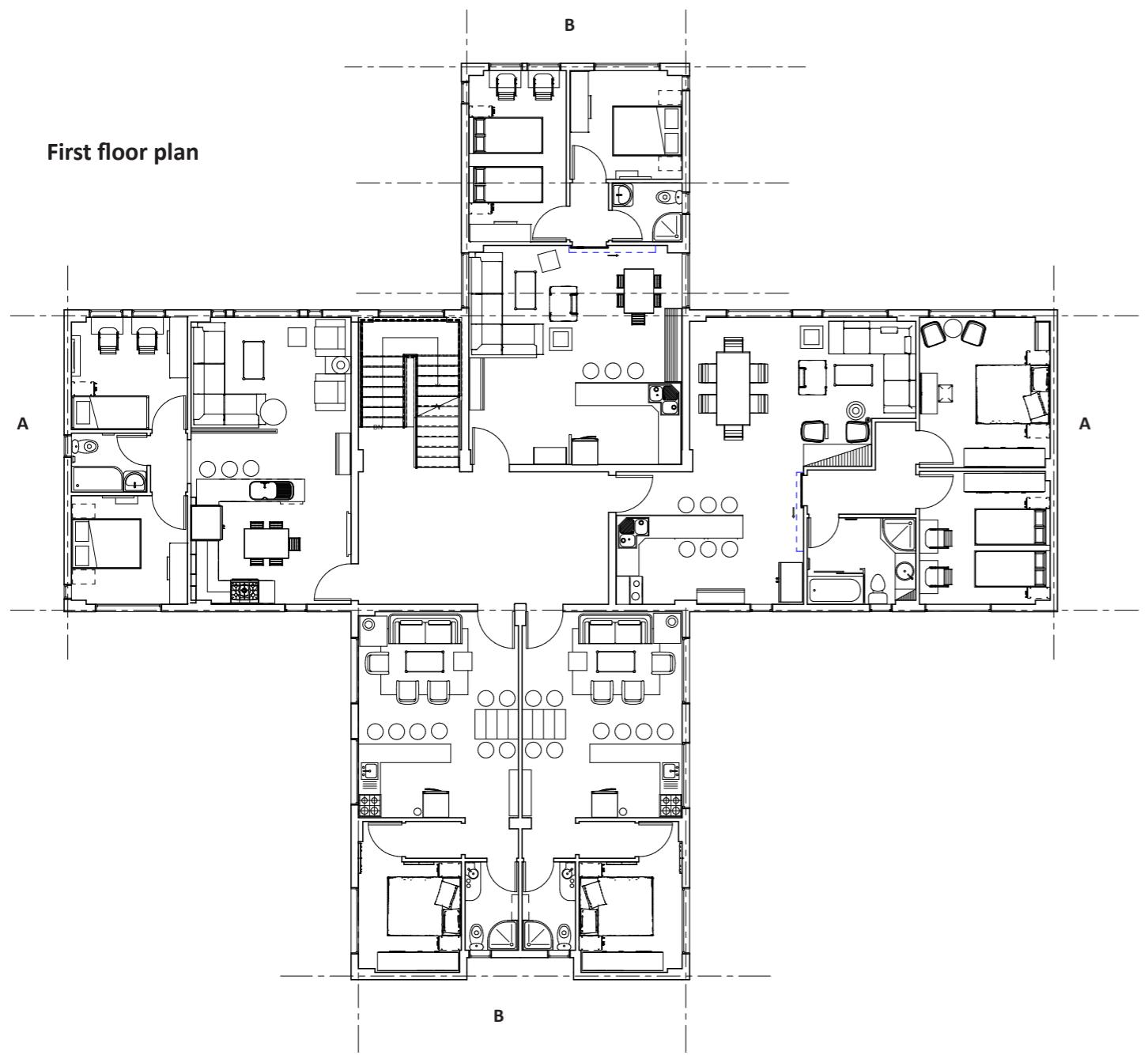
- 1- Entrance hall
- 2- Deposits room
- 3- Information desk
- 4- Books shop
- 5- Gifts shop
- 6- Administration
- 7- The main exhibition hall
- 8- Seminars hall
- 9- Ticket office
- 10- Restroom
- 11- Cafeteria
- 12- Outdoor Cafeteria
- 13- 3D Cinema



Found Residential building for youth

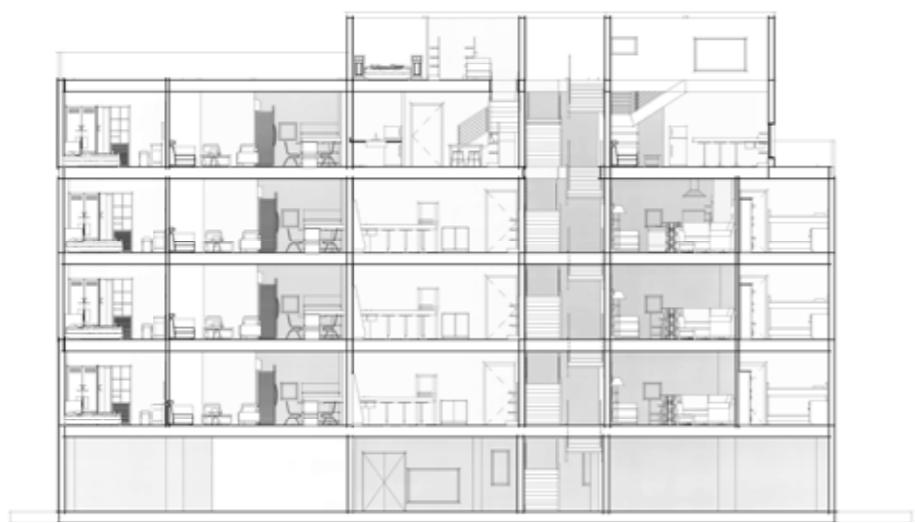
This building is designed for youth, the apartments are small and designed in a modern and minimal style, and the main concept is how I can achieve the optimum comfort for residents, so I cared about windows and cross ventilation and natural light in all spaces in all models, as well as adding some green to allow fresher air and psychological comfort

The project's determinants are that apartments must be small, ranging from 45m² to 75m², with a maximum height of 20m, so I designed 5 apartment models and 2 duplexes with areas of 45, 60, and 75 m²

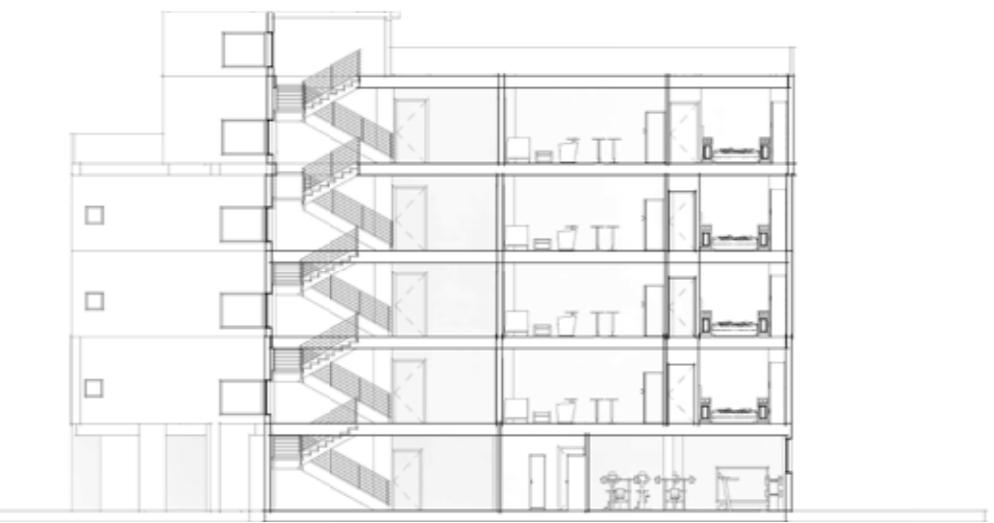




Section A-A



Section B-B

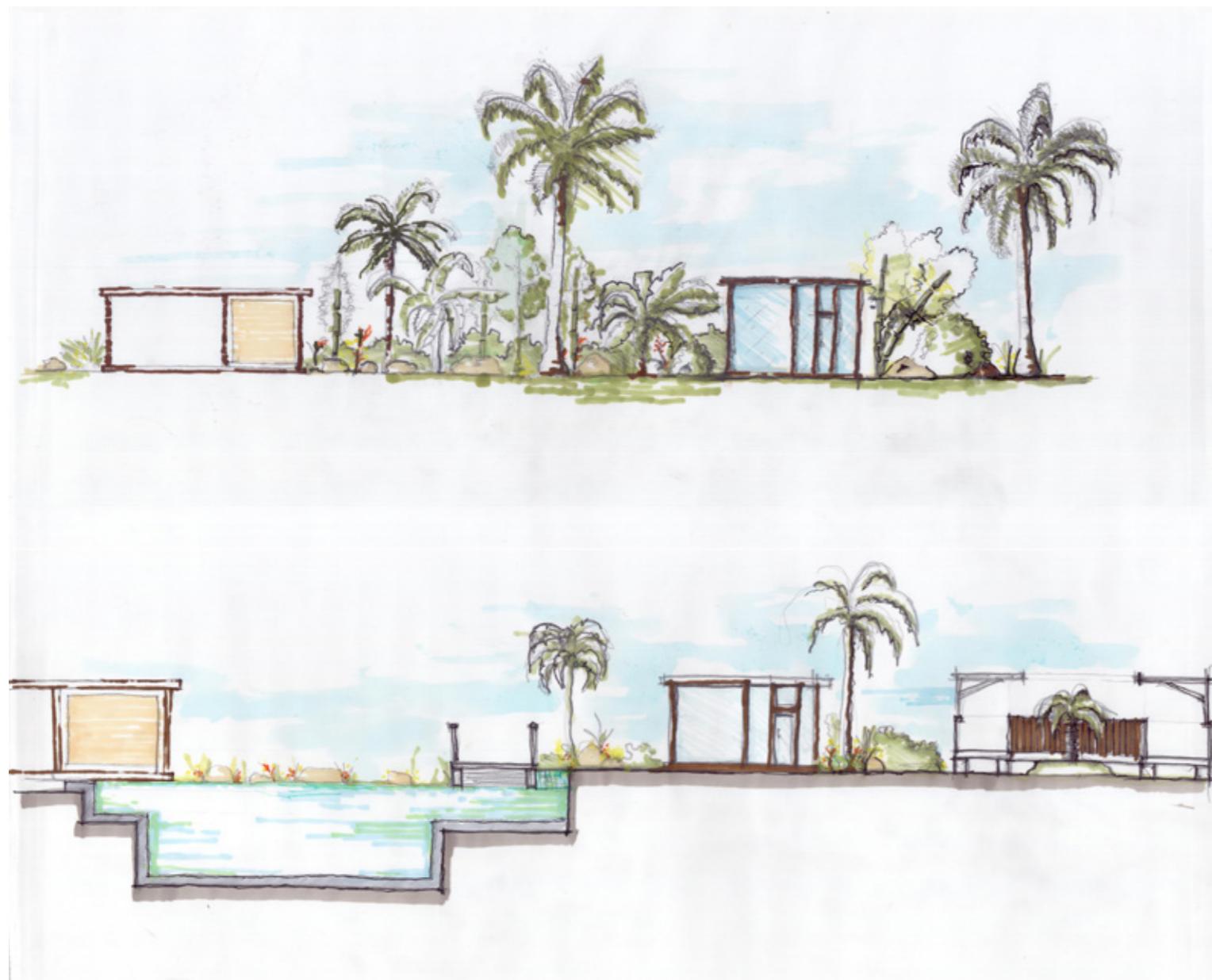


Diwany couples garden

Landscape design

Because the Diwanys are both architects, they required a work **studio** in their home. They usually work late, and they needed a **gallery** to display their works in. The couple is **athletic**, and they compete in triathlons, which requires them to train frequently, so they required three types of sport areas, so we designed a **running track**, a **swimming pool**, and a **stationary bike area**

Also, the couple is sociable; they enjoy hosting parties at their home, so we designed an **outdoor party area** as well as a **BBQ area**





THANK YOU

NAME | Moaaz Abd El-Nasser
CONTACT | moaazx90abdelnasser@gmail.com
WHATSAPP | +201002938623