

**PARISA AFSHARI**

ARCHITECTURE PORTFOLIO

Email: Pafshari@kent.edu  
Kent-Ohio, USA



Selected work 2015-2023

# PARISA AFSHARI

MASTER OF HEALTHCARE DESIGN STUDENT

Brief Academic Resume

As a Master of Healthcare Design student, my goal is to leverage my expertise in creating innovative and patient-centric healthcare environments. With a focus on blending aesthetics and functionality, I aspire to contribute to the advancement of healthcare facilities. My duties involve researching design trends, collaborating with healthcare professionals, and implementing solutions that enhance both the patient experience and operational efficiency.

## Contact Information

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Kent, Ohio, USA

## EDUCATION

-Master of Healthcare Design  
Kent State University, Kent, Ohio, USA

2023-PRESENT

-Bachelor of Architectural Engineering  
Qazvin Islamic Azad University, Qazvin, Iran

2014-2020

## RELEVANT COURSEWORK

### Healthcare Facilities:

- Completed Healthcare Facilities course, gaining comprehensive knowledge of industry standards and regulations.
- Acquired familiarity with **Facility Guidelines Institute (FGI)** regulations, emphasizing the importance of compliance in healthcare facility design and construction.
- Demonstrated understanding of key concepts such as space planning, safety, and functionality within healthcare environments.
- Applied knowledge of FGI guidelines to analyze and evaluate healthcare facility designs for adherence to industry standards.
- Developed skills in navigating and interpreting FGI publications to ensure the integration of best practices in healthcare facility planning and design.

### HEALTHCARE SYSTEMS WORKSHOP:

- Participated in a Healthcare System Workshop focusing on the **design and planning of healthcare facilities**.
- Developed proficiency in various aspects of healthcare facility design, including layout optimization and compliance with industry regulations.
- Attained comprehensive knowledge of exam room regulations within healthcare facilities, emphasizing the importance of **patient safety** and efficiency.
- Applied Facility Guidelines Institute (FGI) **regulations** to the design process, ensuring compliance with industry standards and best practices.
- Utilized acquired skills to design **exam pods** that adhere to **FGI regulations**, emphasizing functionality and patient-centered care.

## WORK EXPERIENCE

-Architecture Department of Ayandeh Bank 2016-2019  
**Responsible for the Programming Phase of Design (Pre-design) and Schematic Design Phase**

Shoosh Square Branch, Code 360, Tehran, Iran  
Yousef Abad Branch, Code 3115, Tehran, Iran  
Yousef Abad Branch2, Code 255, Tehran, Iran

**Responsible for the Design Development and Construction Document Phase and Providing 3D Interior Space Documents**

Eskandari Branch, Code 0286, Tehran, Iran  
Eslamishahr Branch, Code 3406, Tehran, Iran  
Ahvaz Kianpars Branch, Code 2102, Ahvaz, Iran  
Shahroud Branch, Code 4808, Shahroud, Iran

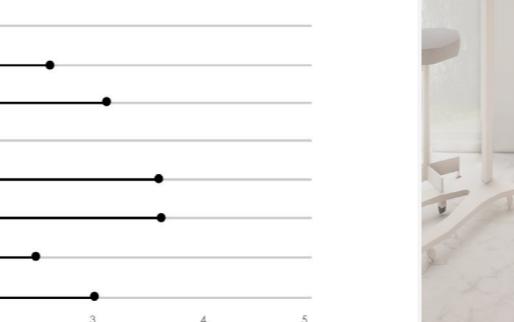
**Residential Architect (Freelance)**

HONAM Building, Karaj, Iran  
MADI Building, Karaj, Iran  
Vila House, Karaj, Iran

**Interior Designer**

Shaygan Laboratory interior design, Andishe, Iran

## SKILLS



## ACADEMIC REFERENCES

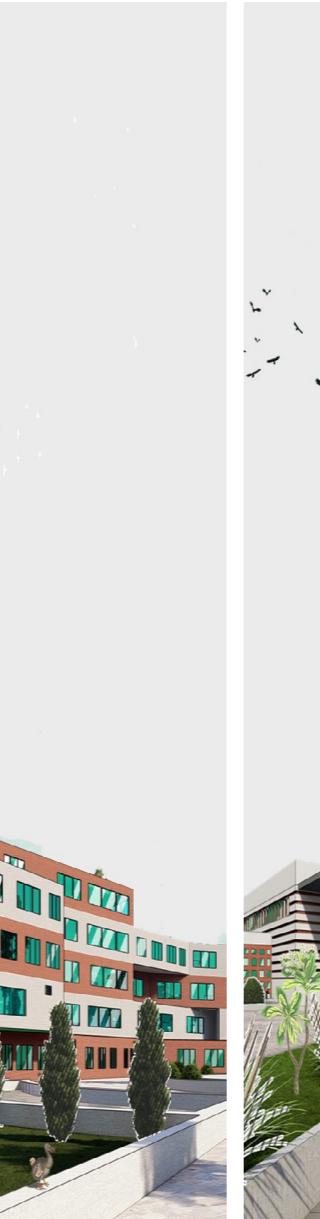
-Dr. Sara Bayramzadeh - coordinator and Elliot professor  
Ph.D. in Design, Construction and Planning  
sbayramz@kent.edu

-Dr. Mahmood Naghizadeh (My B.Sc. advisor)- Instructor  
Ph.D. in Architecture - Islamic Azad Science and Research  
naghizadeh@qiau.ac.ir



## Exam Room

Medium scale  
Academic, Individual  
2023



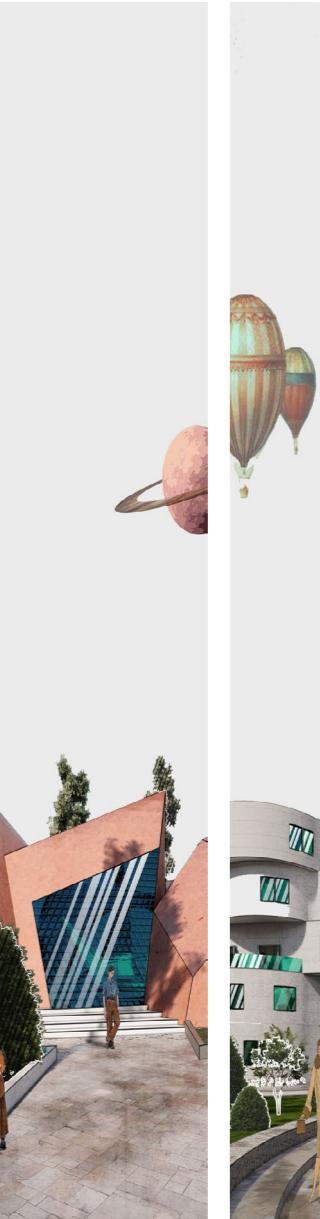
## Hospital Design

Large scale  
Academic, Individual  
2020



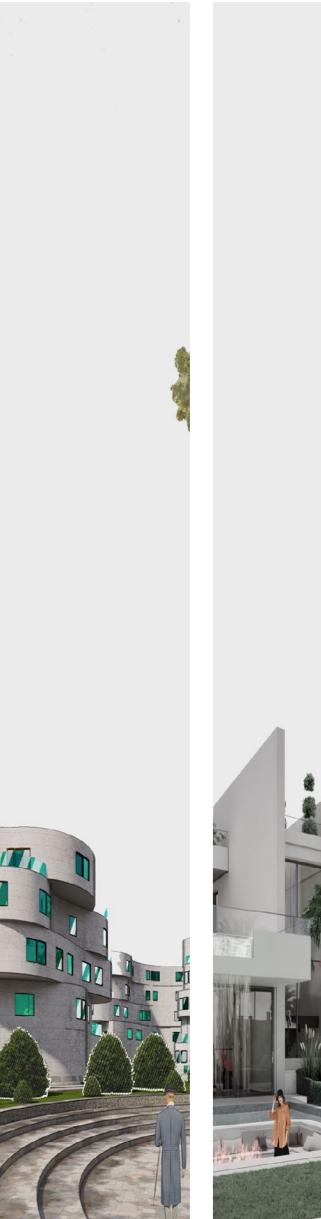
## Art Museum

Large scale  
Academic, Individual  
2020



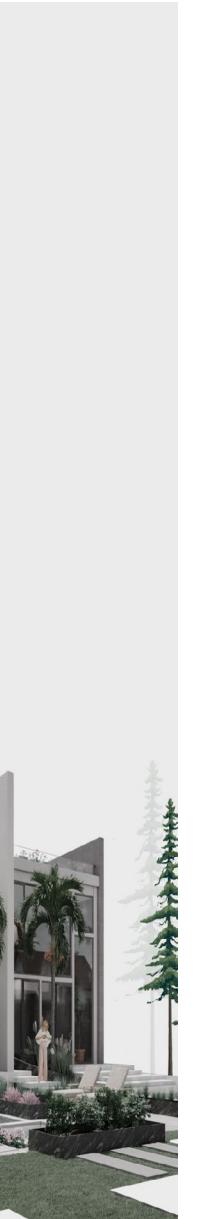
## Deconstructed Villa

Small scale  
Academic, Individual  
2015



## Residential Design

Large scale  
Academic, Individual  
2018



## Villa Dubai

Small scale  
Competition, Teamwork  
2023

01.

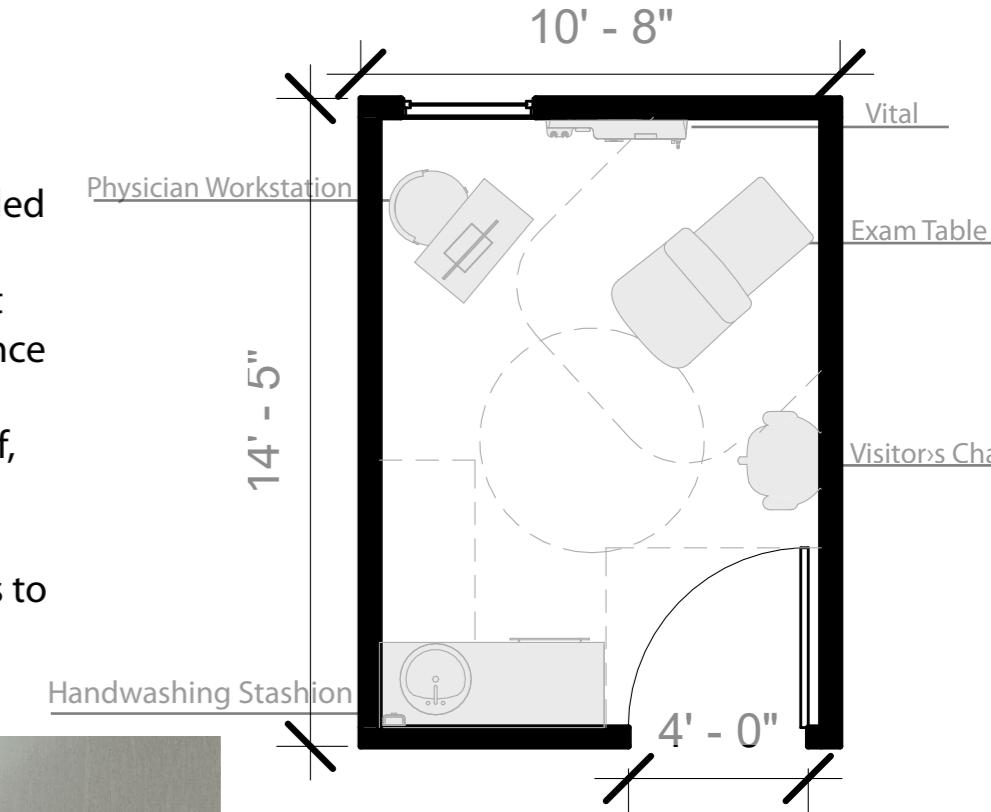
## Exam Room

Individual/Academic



lumion

This course centered around an independent project centered on creating an examination space, examination pod, and care model. Adhering to **FGI guidelines** and conducting thorough research enabled us to grasp the necessary criteria for crafting an examination room. The initial phase entailed devising a **modular examination room** that accounted for essential clearances, proximity to other areas, adherence to ADA regulations, and the placement of medical apparatus. My objective was to improve **maneuverability** for both patients and staff, ensure **convenient access to medical tools**, enhance communication and visibility between patients, their accompanying visitors, and medical professionals, and establish a **versatile care area** with access to **natural light**.



Exam Room Layout



lumion

- Enhanced maneuverability for patients and staff
- Facilitated communication and visibility among patients, visitors, and physicians
- Easy access to medical equipment (close to the entrance and caregiver zone)
- Provision of hooks and table for patient belongings

# Transformative Healthcare Design:

From Single Exam Room to Innovative Exam Pods



**lumion**

For the next step, combining **6 exam rooms** with **additional spaces** like medical assistant workstations, medical provider offices, ADA restrooms, clean and soiled rooms, and alcove areas formed a pod. The exam pod layout supports operational flow and allows for future expansion by duplicating modular exam pods. Finally, three pods were integrated into a complete unit, considering adjacencies, visibility for medical assistants, having a central collaborative workstation, separating support and care zones, and easy wayfinding.



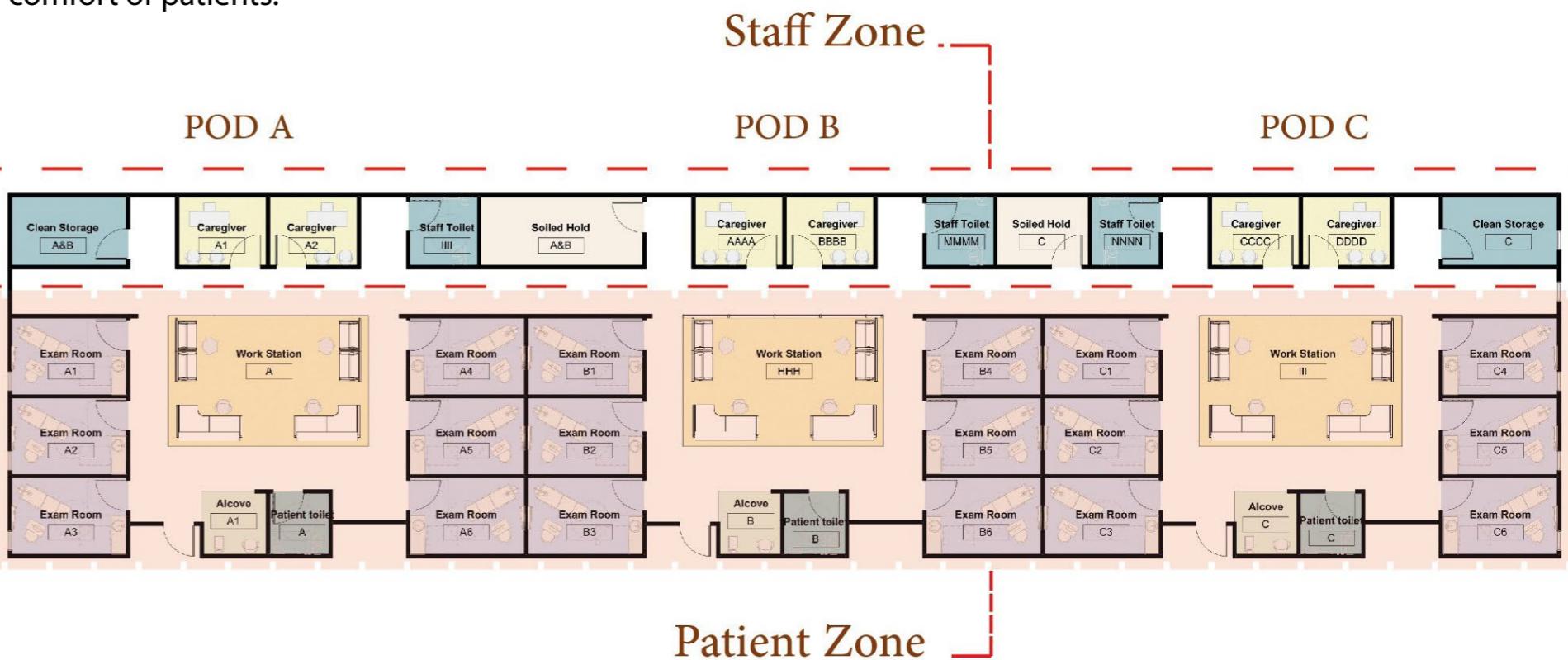


## Expanded Exam Pods:

The primary goal of this expansion initiative is to build upon the success of individual Exam Pods, creating a network of three interconnected pods. Each Exam Pod comprises six exam rooms, two caregiver rooms, and dedicated nurse spaces, collectively redefining the healthcare experience. This design aims to amplify operational efficiency, foster collaboration among healthcare professionals, and elevate patient care to new heights across multiple pods.

- Distinct Staff and Patient Zones:

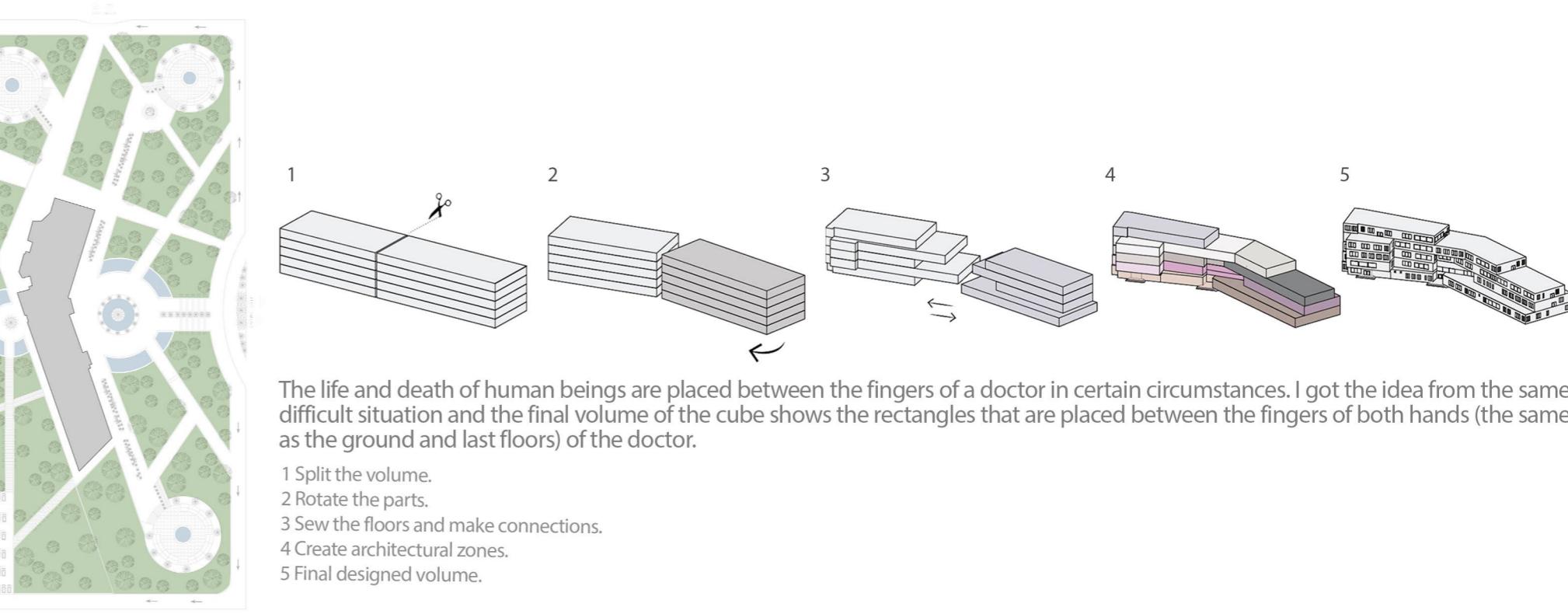
Implementation of a clear and intentional separation between staff workspaces and patient areas. Design solutions to optimize workflow and communication for healthcare professionals while preserving the privacy and comfort of patients.





## 02. HOSPITAL Individual/ Academic

There were challenges in the design of the hospital, each of which had to be addressed separately. In the design of the hospital, it was this form that was subjected to the function or the plan, so we reached the volume from the plan. Of course, in arranging the small spaces in the plan, when designing, I did not want to achieve a rigid volume at the end, so as far as I could, I advanced the plan and the volume together, and thus the initial volume by moving back and forth or full and empty. The plan and the volume of the two cubes were created. For the difficulty of getting the light to the desired points, I came up with the idea of placing two cubes next to each other at a relatively open angle, defined at the intersection of the two entrance cubes of the hospital.





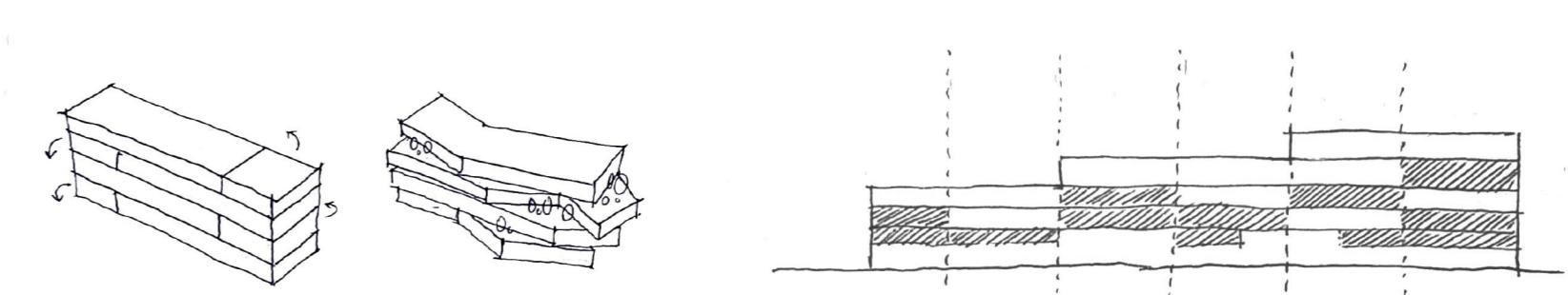
Based on the rules of standard spaces that were provided to us, I decided to place areas such as emergency rooms, clinics, and laboratories where there is more traffic than other sections, and service spaces such as kitchens, warehouses, and others on the negative floors. Conversely, spaces, where traffic is relatively low, should be located on the upper floors, such as operating rooms, inpatient wards, ICU, CCU, etc.

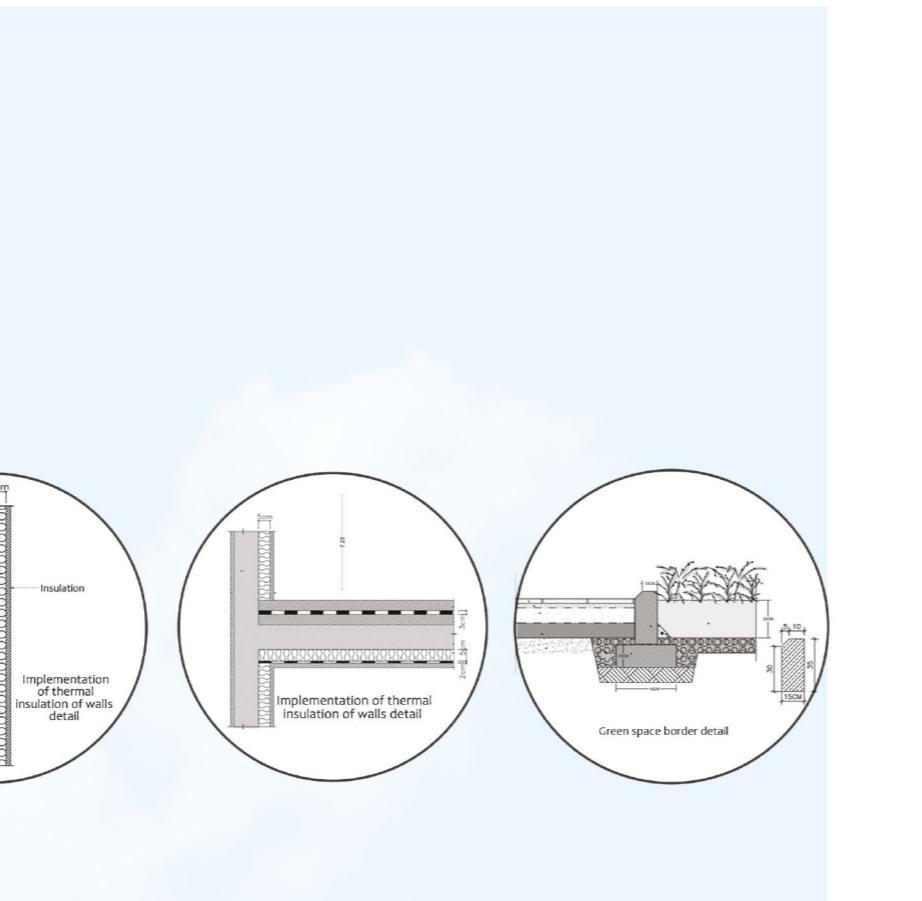
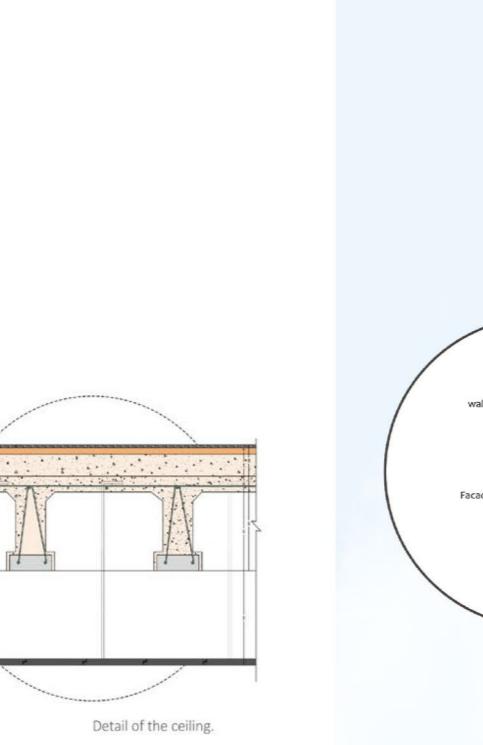
To create a sense of calm in the inpatient areas, I considered spaces such as the roof garden and flower box, the idea of which was only possible to increase or decrease the plan in parts of the floors.

In order not to make the final volume rigid, I considered the glass material for the box that protrudes in the three-story plan

The first group of diagrams illustrates the formation process of the complex. Rotating the floors enable the architect to design terraces and balconies as green areas distributed in different elevations.

The second diagram by defining a hypothetical grid shows which areas of the facade are exposed to the sunlight and which are in shadow. Below, you can see the facades.





The main focus of this project was to propose a design that is energy efficient and properly designed.



first floor plan



second floor plan



vip patient room details

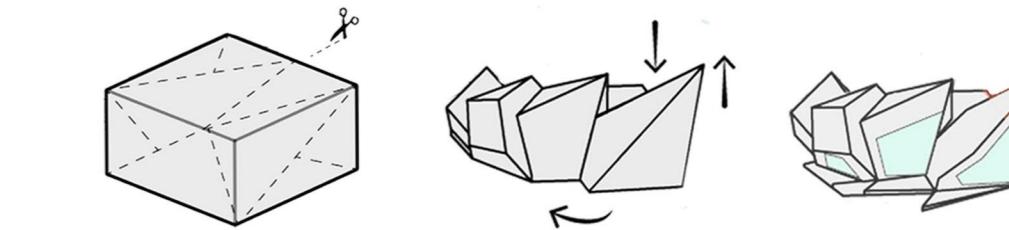
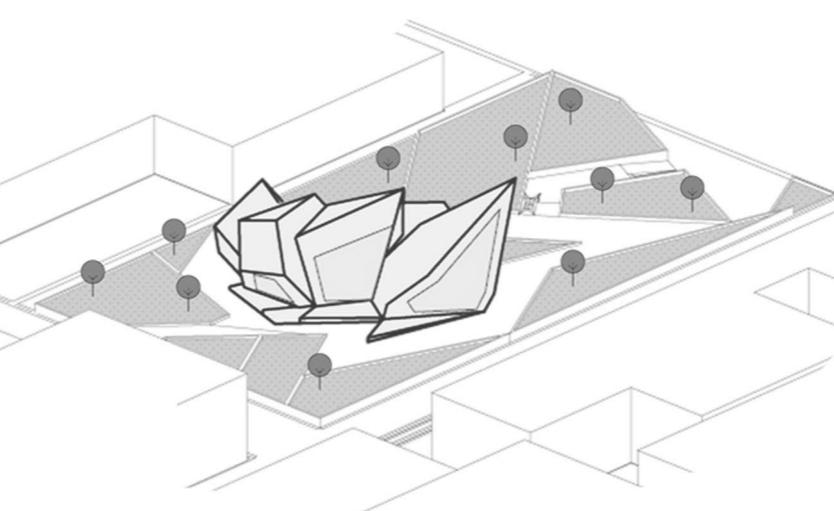
## 03.

## DICONSTRUCTED VILLA

Individual/ Academic

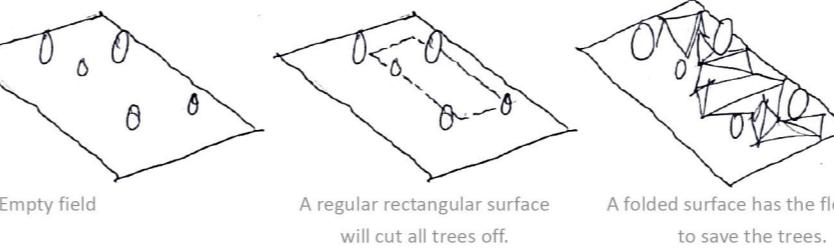


Some designs, such as villas, leave our hands free to draw ideas and draw lines, and how much more exciting it is when the teacher tells you to design this villa for yourself, this is where I will gladly prefer that this time the function be subjected to the form, and we get from the form to the plan.



## DESIGN PROCESS:

- 1) Power, unbridled alongside peace and tranquility.
- 2) Use broken plates with different angles.
- 3) Play with broken and continuous lines.
- 4) Use transparent spaces and cut data to deliver light to the space.
- 5) Extension of broken lines from the volume into the plan to separate the spaces.
- 6) Use pools of water next to the volume for more reflection.
- 7) Access to the plan from two directions caused fractures in the volume.
- 8) Fully available plan and form function.



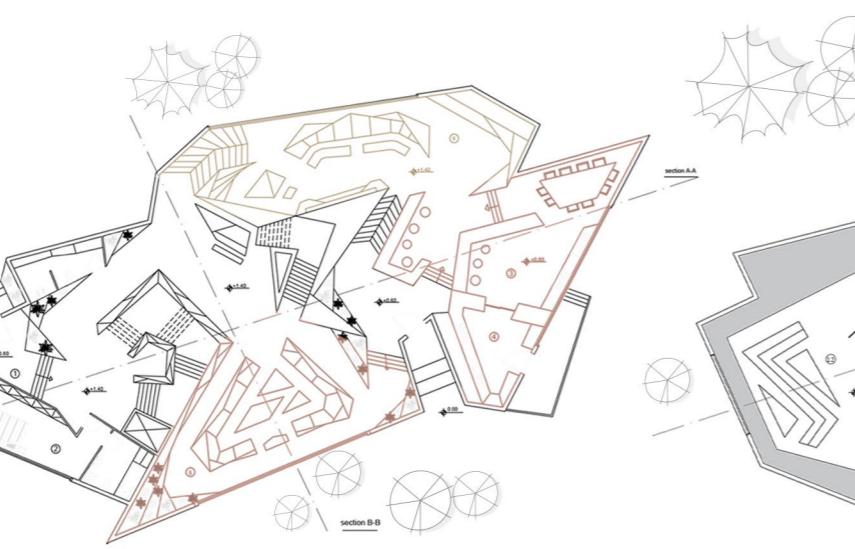
Sometimes we humans think beyond being and not being, we belong to where we feel we belong, and for me, this being and not being is our life between what is in my mind. So it all started with carving a few cubes, which were eventually put aside.





The effort was to build a different villa and create unforgettable space.

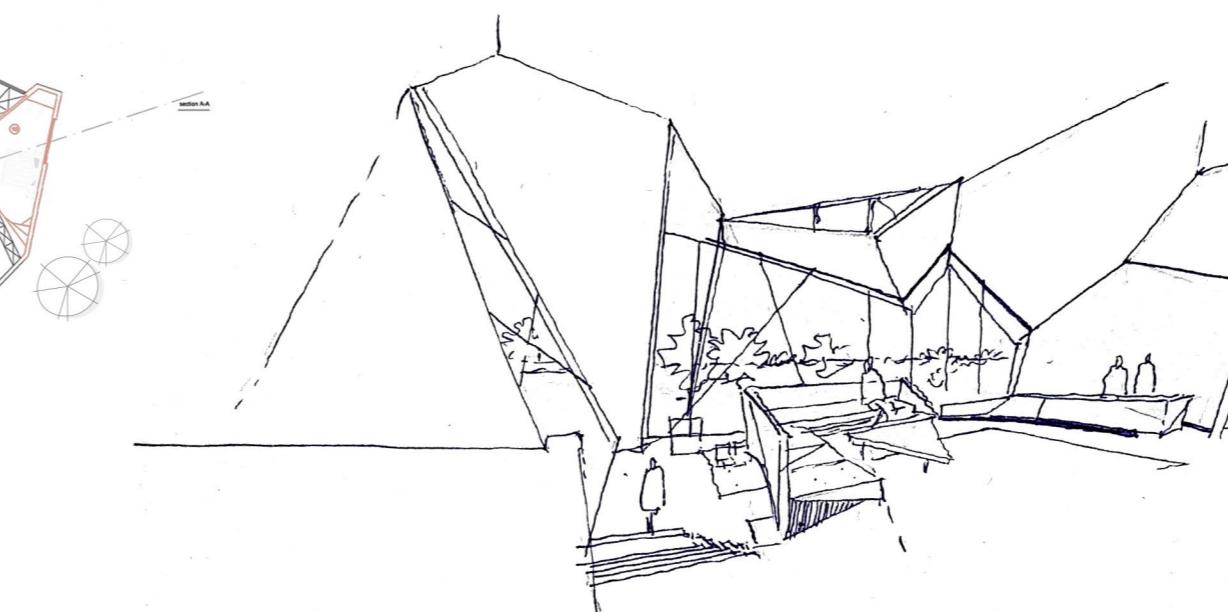
- 1. Entrance
- 2. Guest Room
- 3. Kitchen
- 4. Dirt kitchen
- 5. Living Room
- 6. TV Room
- 7. Master Room1
- 8. Master Room2
- 9. Room 3
- 10. Room 4
- 11. Library
- 12. Private Living Room
- 13. Corridors



Ground floor plan



First floor plan



The free-hand sketch on the left side shows the interior of the living space in this villa. As said, the effort was to create a new space that stimulates our feelings and makes us excited.

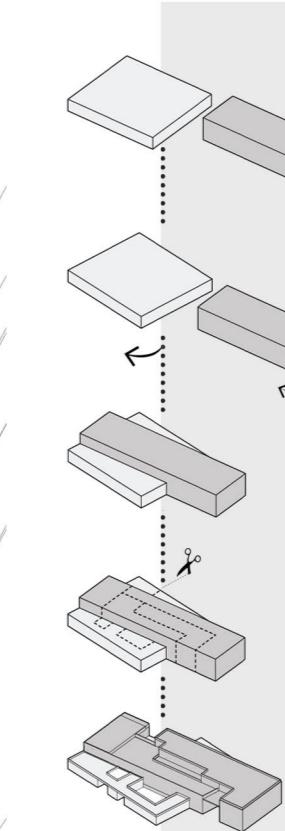
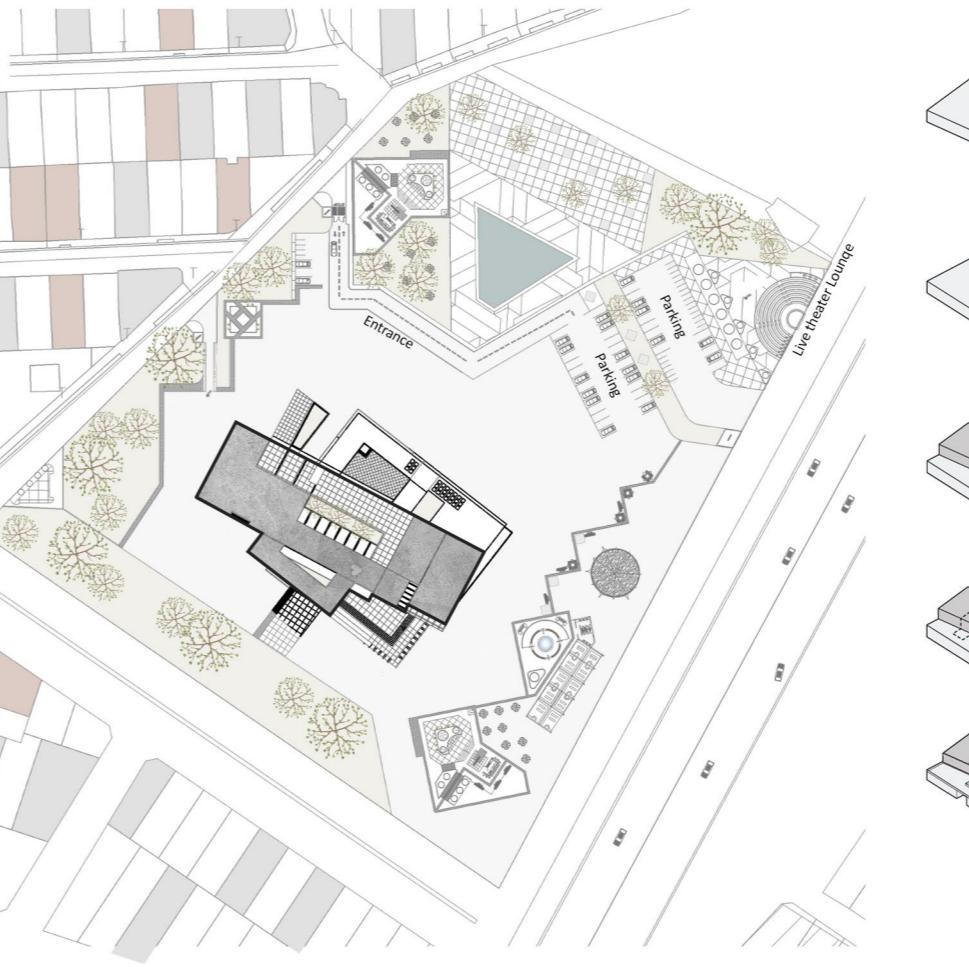
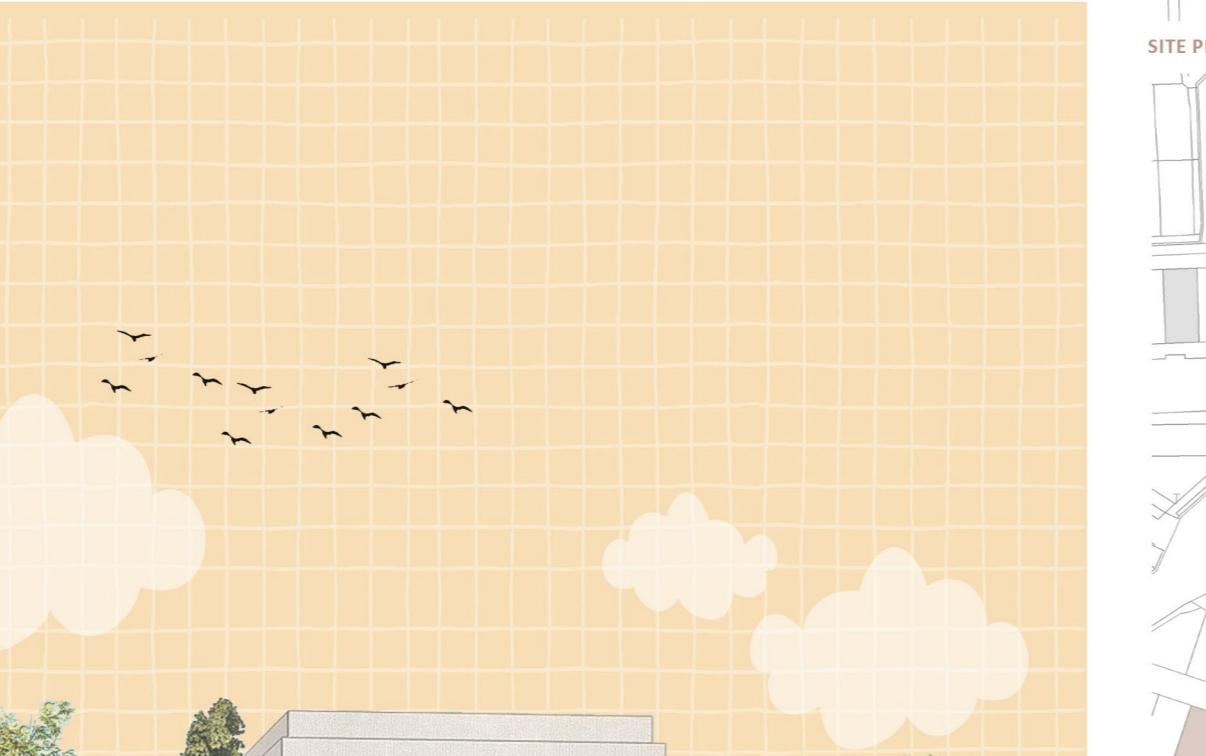




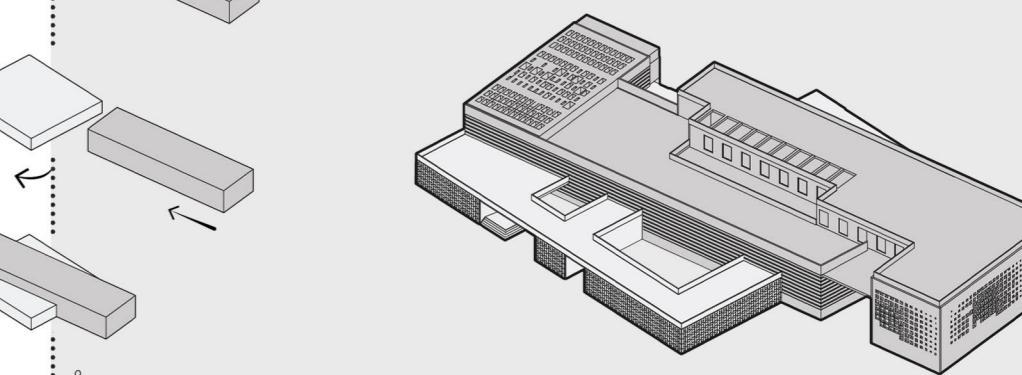
## 04. ART MUSEUM

Individual/ Academic

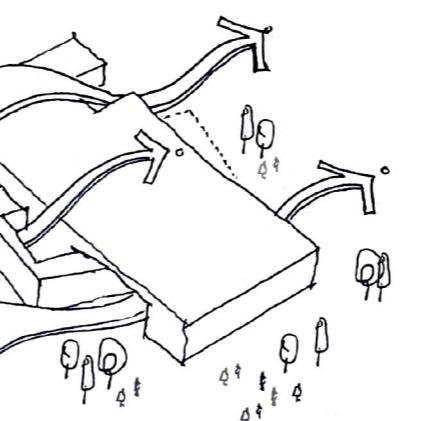
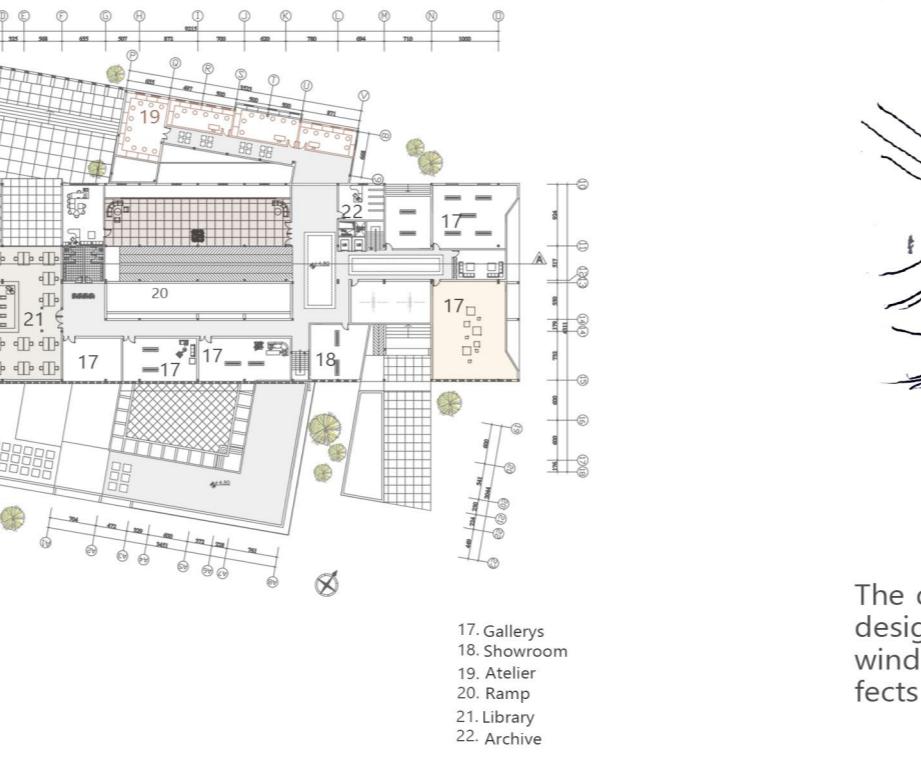
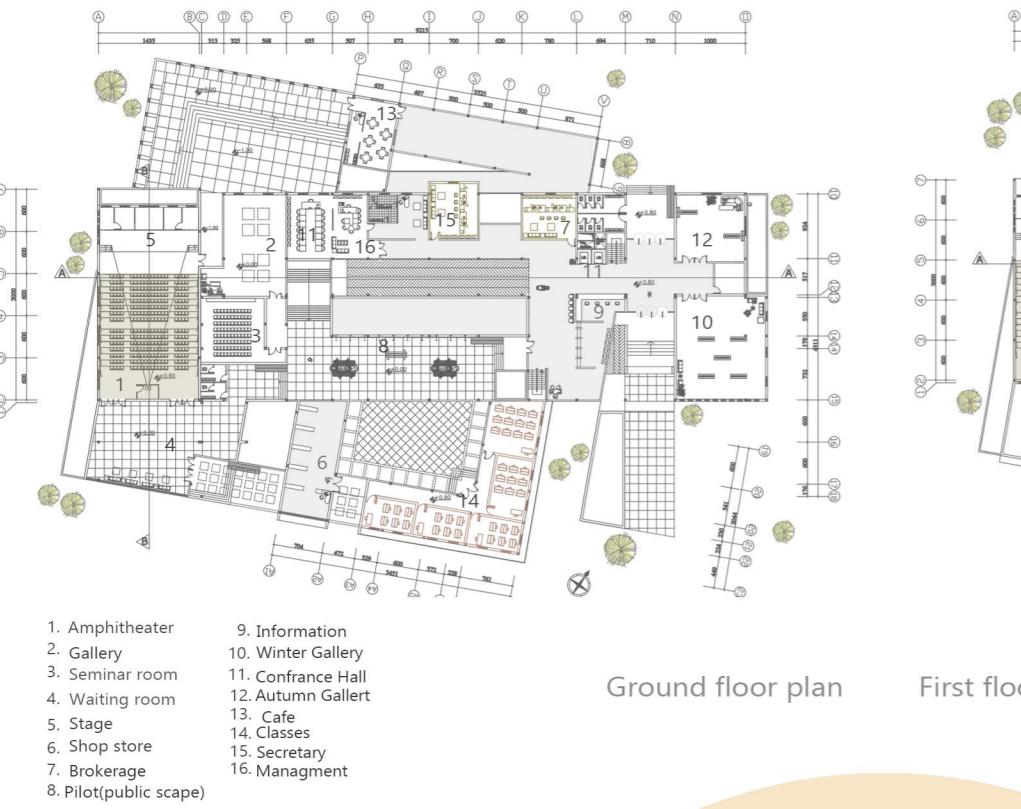
At the beginning of the design and according to the issues raised in the theoretical foundations of architecture, we decided to make a cube to be a base, which will be important in the formation process.



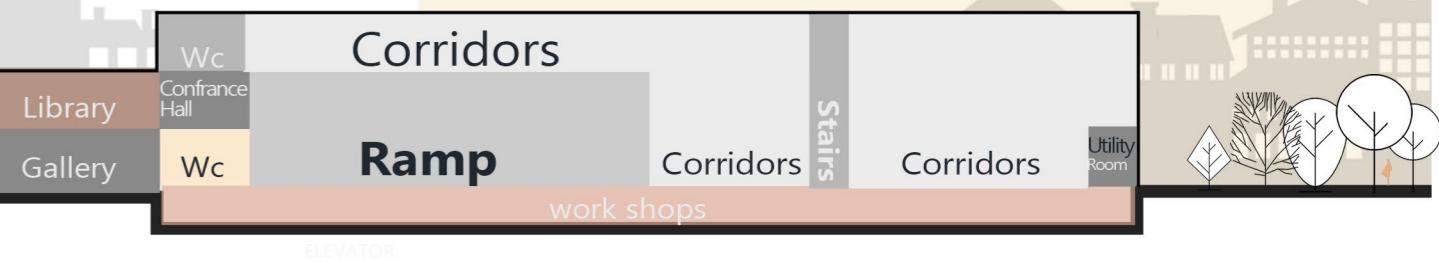
We expanded this mold to several layers that are placed on top of each other to be a starting point for the internal movement of the cube and to the factors without the need for walling, and the need for green spots and landscaping are mentioned in the design.



Then, by using the central courtyard, which is one of the elements influencing the Iranian standard, we reduced the cube shape and added it to the open space. In fact, this empty space has become the basis of spatial communication.



The diagram above shows the climate in the designed complex. It demonstrates how the wind goes through he building and how it affects the site.



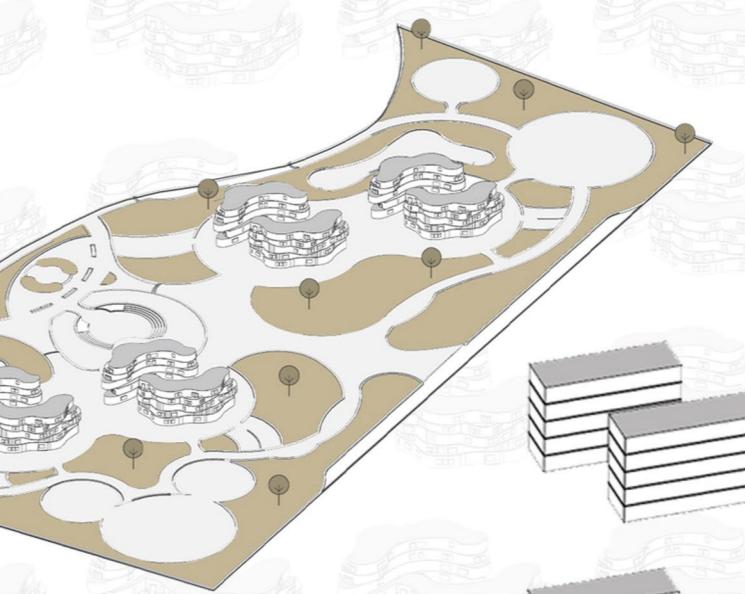
## 05. RESIDENTIAL COMPLEX

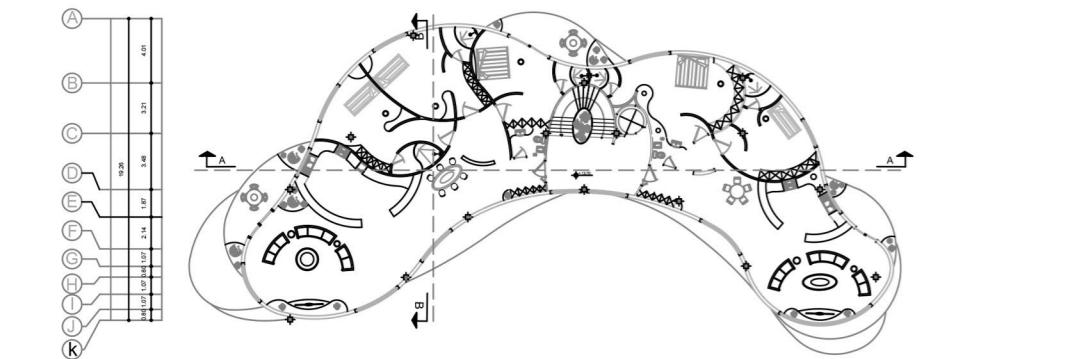
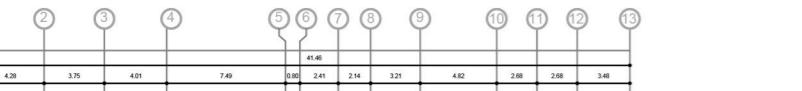
Individual/ Academic

Life in today's world is like a boomerang game that with every intention we throw, good or bad, in any case, it returns to us. In our social life, human beings' life is full of good and bad which comes to us. In this regard, how good it is when we can live in peace and tranquility alongside these problems.

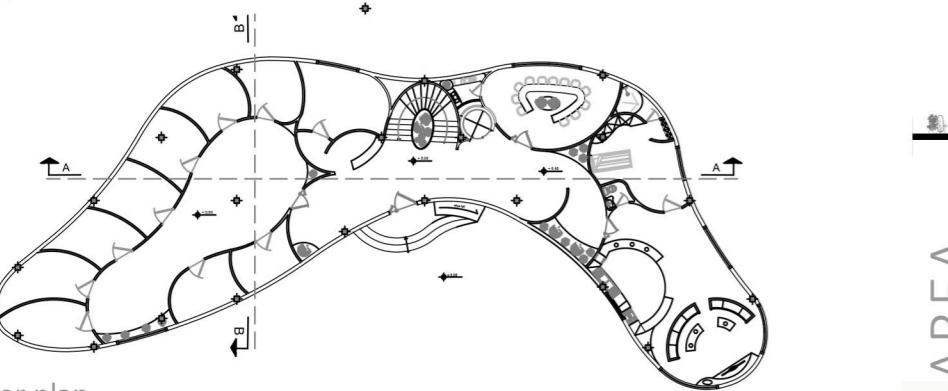


In designing a residential complex, I got the idea of a boomerang shape and achieved a volume in which both forms and functions are subjected to each other.

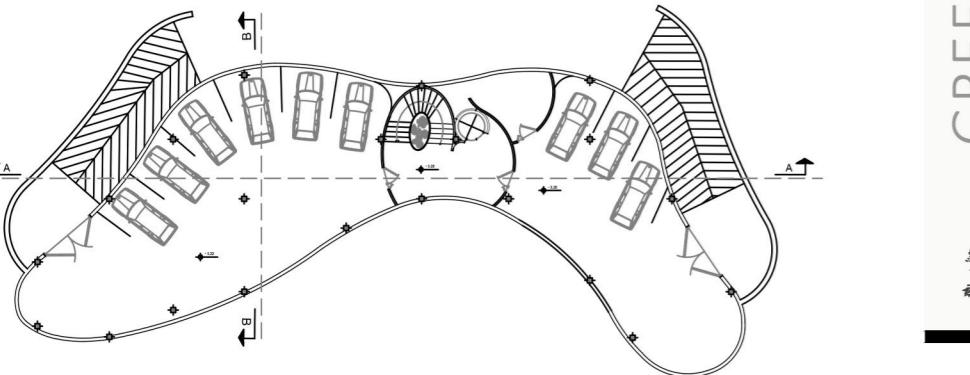




Forth floor plan



Ground floor plan



Parking floor -1

### GREEN AREA SITTING AREA ENTERTAINMENT

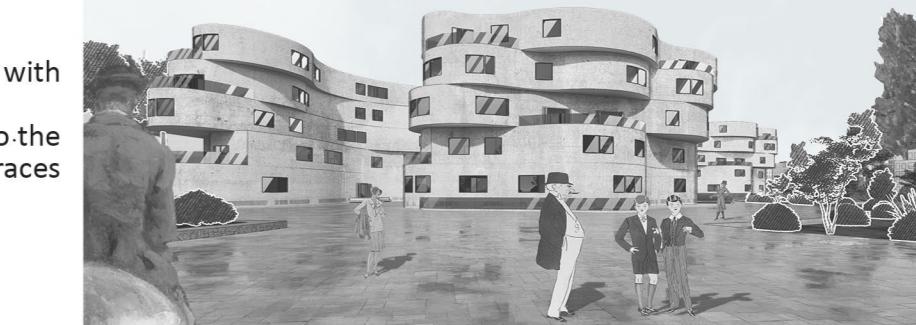


**Design process:**

- 1) Use crooked and attached lines in all plans.
- 2) There are not any typical plans on floors.
- 3) Optimal lighting in the floor plan with the mismatch of part of the plan lines on each other.
- 4) Separation of public and private space in the plan of units and easy access of the kitchen to both spaces.



- 5) Creating a sense of movement (flow) along with relaxation by using curve lines and walls.
- 6) Inverted rotations in the plans in relation to the lower plans in order to create spaces as terraces for all units.



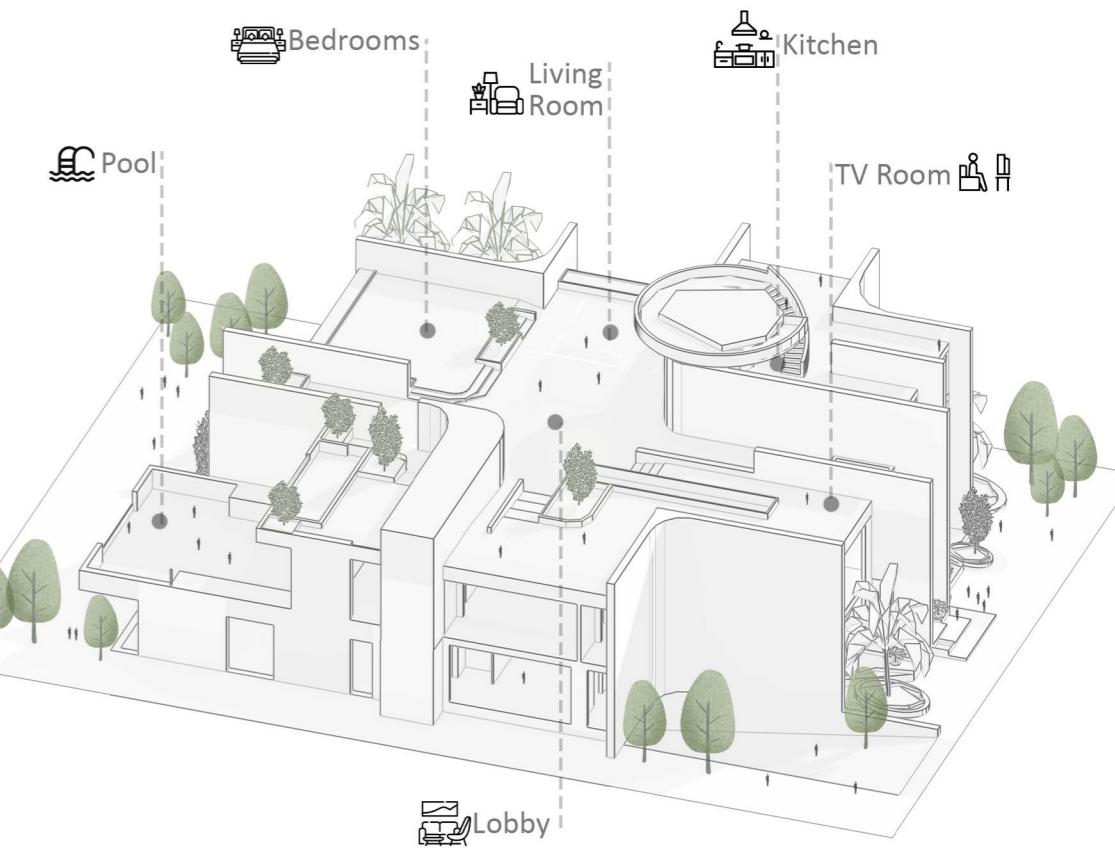
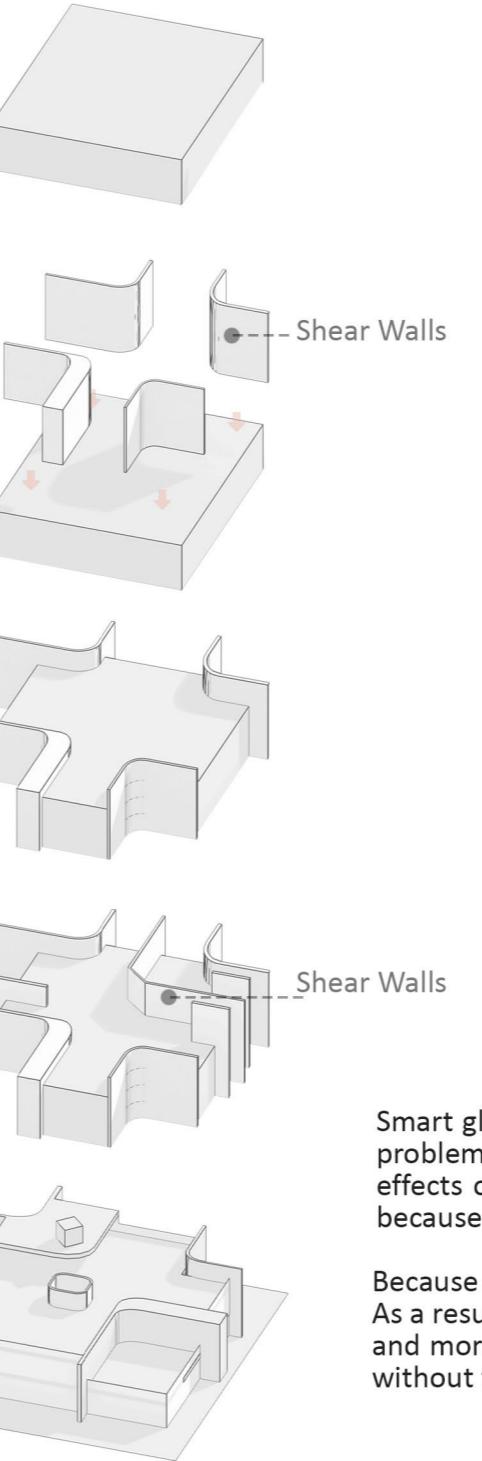
## 06.

**VILLA DUBAI**

Teamwork- Comptition

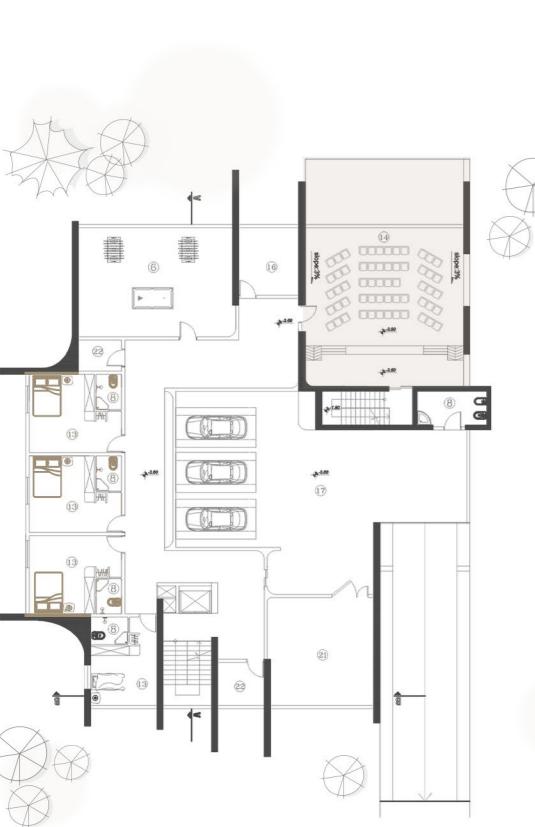
Responsibilities: Co-Designer + (2D Drawing - Diagramming)

This building has been designed so that cooperation in a competition, Young Architecture Competition (YAC). In this respect, our team, Lagom group, had been engaged in quite a few challenges and limitations. To be more specific, the site of the competition, which was provided to us, was Dubai city with a hot desert climate in the United Arab Emirates. Therefore, we should design a villa which is proper for this climate and for a family of six, one of whom was a disabled person.



Smart glasses and pale colors were two of the solutions to the problem of hot, sultry weather in order to decrease the harmful effects of the sun on our villa. In addition, concrete was used because of its less corrosive and weathering traits.

Because of the high number of members who wanted to live in that villa, we should get the most out of the space. As a result, we used shear walls to remove columns in our plans. By doing so, we could accommodate more rooms and more accessible spaces for the disabled person by virtue of ramps and elevators which were designed easily without the interference of columns.



Basement Plan

- 1.Lobby
- 2.Bar
- 3.Dinning Room
- 4.kitchen
- 5.Library
- 6.Playroom
- 7.Master Room
- 8.Bathroom
- 9.Terrace
- 10.Spa
- 11.Turkish Bath
- 12.Swimming Pool
- 13.Staff Room



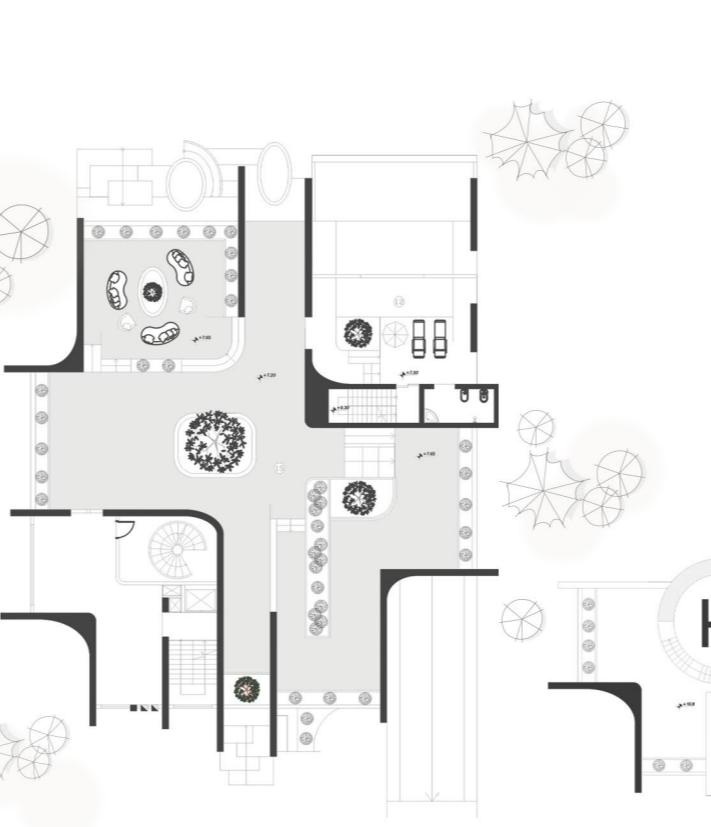
Ground Floor plan

- 14.Cinema
- 15.Roof Garden
- 16.Storage
- 17.Parking
- 18.Gym
- 19.Living Room
- 20.TV Room
- 21.Building Facilities
- 22.Laundry



First Floor plan

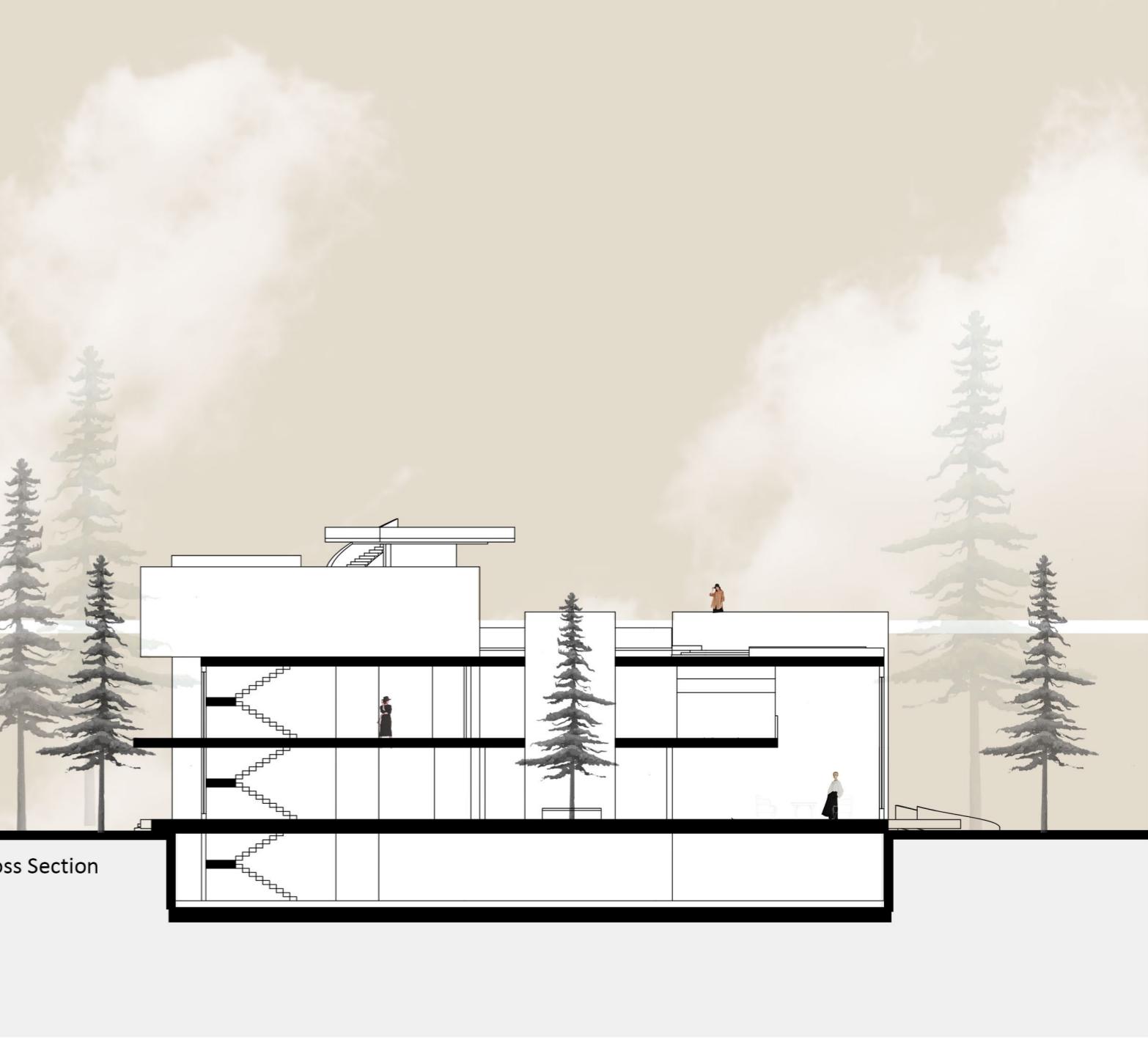
To sum up, in our team's opinion, the turning point of our design has to do with shear walls which provided us with the possibility of designing several spaces in interior design and improving visual aesthetics in exterior design.



Roof garden Plan



Helipad Plan



Cross Section

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