

ARCHITECTURAL PORTFOLIO

MOJGAN MORADI
2022

SELECTED WORKS
ACADEMIC - PROFESSIONAL



MOJGAN MORADI

ARCHITECTURE DESIGNER

CONTACT

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LANGUAGES

ENGLISH IELTS (PLANNED)
PERSIAN

ABOUT ME

I am an graduate of architectural engineering, who is currently working in my own architectural office. Interested in sustainable architecture with more than 10 years of work experience in the fields of interior and exterior architecture, exhibition and furniture design, green roofs and green spaces, urban and neighborhood design, etc. Proficient in relevant software and interested in team work. I believe that all spaces can be beautiful and functional if there are creative ideas behind them. proper design of each space improves the quality of the user's life. For this reason, I consider each new project to be a personal challenge and I always aim for the most high-quality space production through dynamic architecture. Sociability, creativity, organizational skills and methodicalness are some elements that characterize me, while oftentimes I've been coordinating.

EDUCATION

Islamic Azad University North Tehran Branch

2016 – 2018 | Tehran, Iran

Master of Architecture - MArch/Architectural Engineering (Grade 4.6/5)

Natural Disasters Research Institute

2013 – 2015 | Tehran, Iran

Bachelor of Architecture - BArch/Architectural Engineering (Grade 4.29/5)

University of applied science, culture and art of Tehran municipality

2010 – 2012 | Tehran, Iran

Associate of Architecture -AArch/Architectural Engineering (Grade 4.42/5)

SKILLS

Architectural Design

Architectural Drawings

Hand Drafting & Modeling

Project Management

Sustainable Design

Urban Design

Urban Planning

Building Construction

Elements

Restoration

Sketching

Painting Architecture

Photography

Integration of Engineering

DRAFTING (AutoCAD)

SOFTWARE

AutoCAD

3DsMax

V-Ray

Sketchup

Lumion

Revit

Energy Plus

Corona

Grasshopper

Photoshop

Corel DRAW

InDesign

Illustrator

Microsoft Office

EXPERIENCE

Founder Ramko Office, Architecture Designer, Ramko Office

Feb 2016 – present | Tehran, Iran

Design, construction and supervision of commercial, office, residential and landscape complexes
projects Designing Facade design Supervise the construction of the facade Landscape design Designing villas and residential apartments office and commercial buildings Design Roof garden design Supervising the construction of green spaces and projects under construction

Senior Design Architect, Omranveys company

Nov 2015 – Dec 2016 | Tehran, Iran

luxury projects Designing Facade design Supervise the construction of the facade Landscape design Designing villas and residential apartments office and commercial buildings Design Roof garden design Supervising the construction of green spaces and projects under construction

Senior Design Architect, Darkoobtalei

Nov 2014 – Oct 2015 | Tehran, Iran

Designing international exhibition stands Interior design of office companies Designing executive plans International exhibition poster and billboard design Designing the main plan of the exhibition Supervising the construction of the exhibition Selection and purchase of materials

Exhibition and interior designer, Maxdesign-group

Aug 2013 – Jan 2014 | Tehran, Iran

Designing international exhibition stands Interior design of office companies Designing executive plans International exhibition poster and billboard design Designing the main plan of the exhibition

Assistant Designer, Tehran Beautification org

Jul 2011 – Jul 2013 | Tehran, Iran

worked part-time as an assistant designer in this organization. And among my duties were editing plans, calculating parking, writing workshop and meter reports, estimating dilapidated neighborhoods, and presenting alternatives for beautifying and renovating dilapidated neighborhoods in Tehran

CERTIFICATES

Islamic Azad University North Tehran Branch

Jan 2018

The top student in the master's degree of North Tehran Azad University

The top 10 percent in the bachelor's degree Natural Disasters Research Institute

Jan 2015

Natural Disasters Research Institute

The top student in the Associate's degree Center of Applied Science and Technology CTI

Jan 2012

Center of Applied Science and Technology CTI

Rank 7th on National competition

Aug 2016

National competition for the design of the entrance to the campus science and technology park

ACADEMIC

01

CONTENT

02

PROJECT ONE

SAND SHALTER IN SHAHDAD DESERT (MARCH)

P.G 01

03

PROJECT TWO

NURSING HOME (MARCH)

P.G 11

04

PROJECT THREE

ARTISTIC CREATION IMPROVING THE SOCIAL INTERACTIONS (MARCH)

P.G 19

PROJECT FOUR

INFORMATION AND TECHNOLOGY CENTER (BARCH)

P.G 24

Mojgan Moradi

PROFESSIONAL

01

CONTENT

02

PROJECT ONE

DOLPHIN ENTERTAINMENT BUSINESS COMPLEX

P.G 41

03

PROJECT TWO

FAMILY RESIDENTIAL BUILDING

P.G 49

PROJECT THREE

SOME PERSONAL

P.G 55

Mojgan Moradi

AC - - DE MIC/

SELECTED WORKS

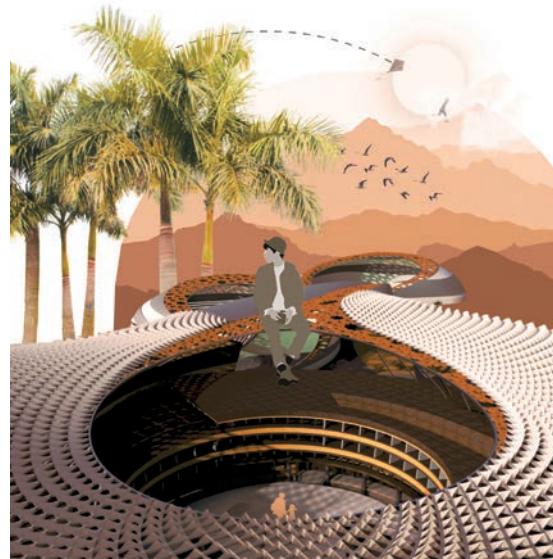
Mojgan Moradi

2015-2018

01

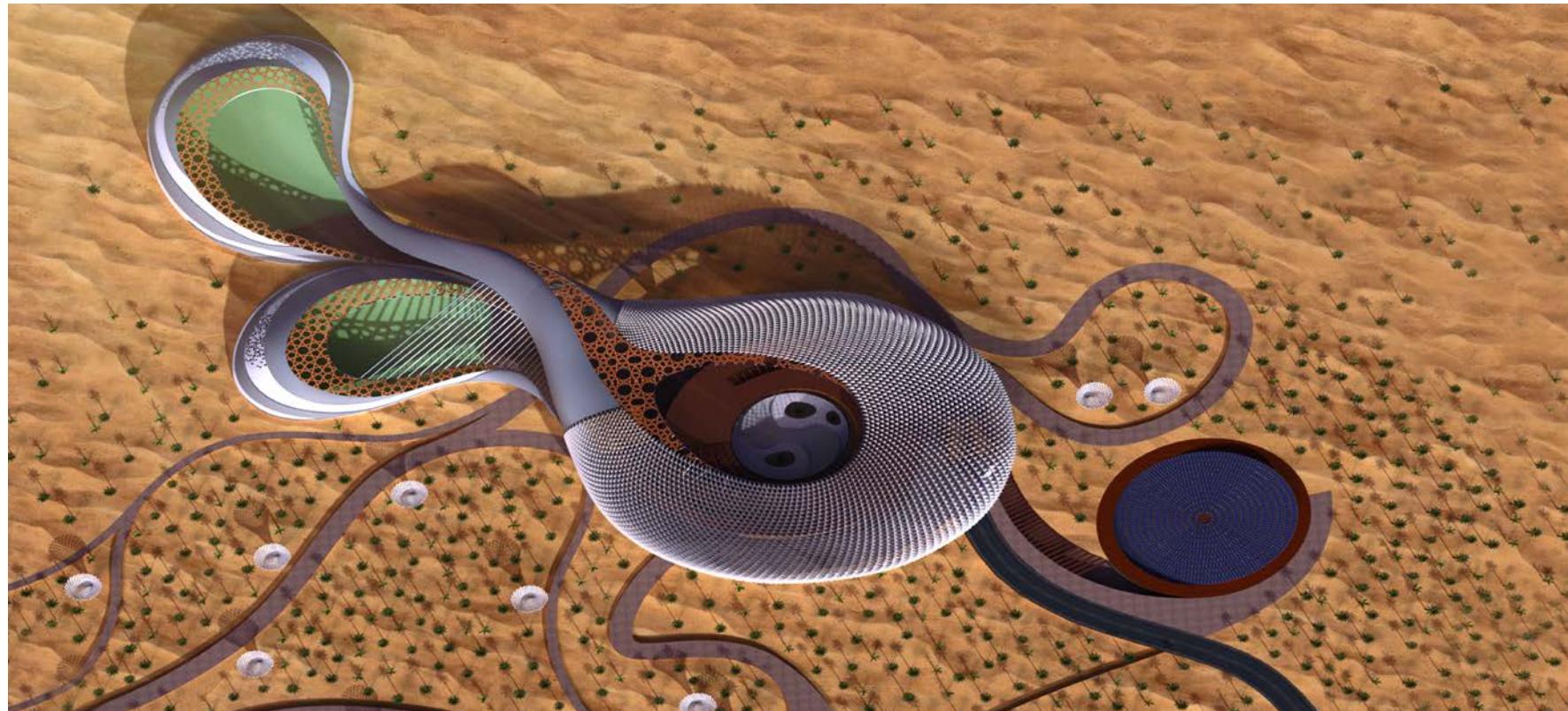
THE ZERO ENERGY ARCHITECTURAL APPROACH TO SAND SHALTER IN SHAHDAD DESERT

LOCATION : SHAHDAD DESRET , KERMAN , IRAN
PROFESSOR NAME : DR. SAEED PIRI

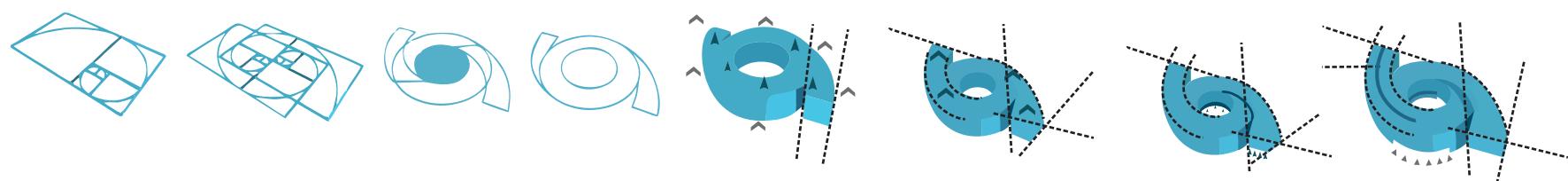


Introduction

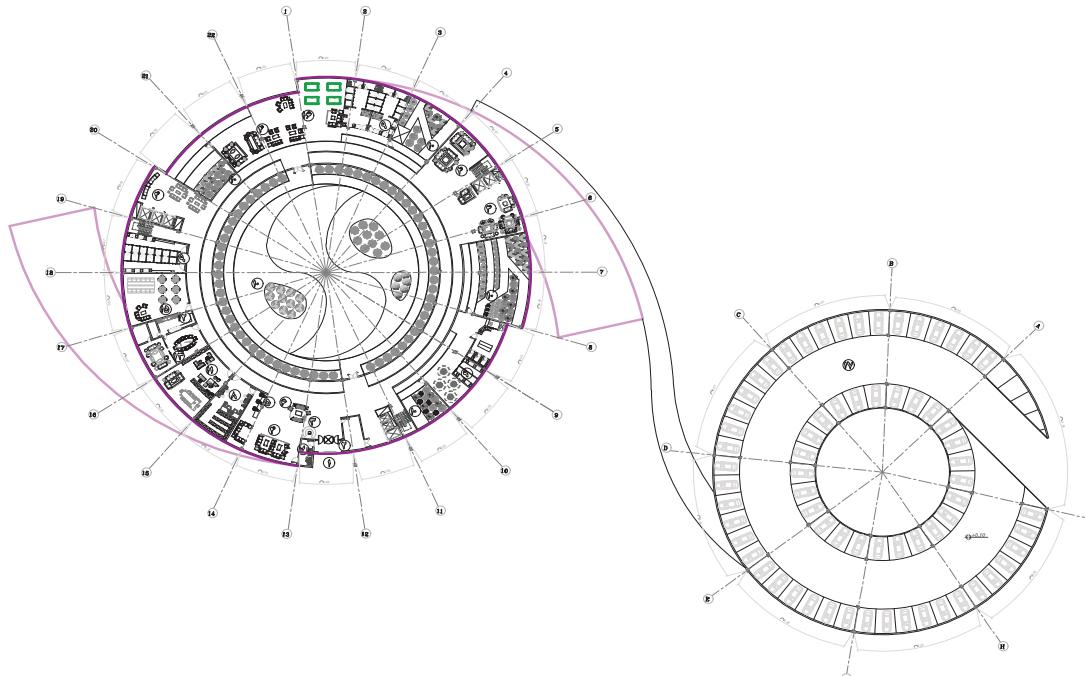
Several factors are involved in the success of a desert site: Sustainable architecture: A building with the least negative impact on the environment ,Activities to repair, rebuild and renew natural systems and land with different tendencies , Thermal comfort: Satisfaction of each person from the temperature environment, Direct relationship with individual feelings , Energy: Ability to store energy in itself , Primary Energies , Secondary energies , Parameters of Iranian Architecture: Shading walls , Underground space , Irradiation of bands , Porches , Site located in Kerman, Shahdad Desert Road Nahabandan Shahdad in the area of desert clots.



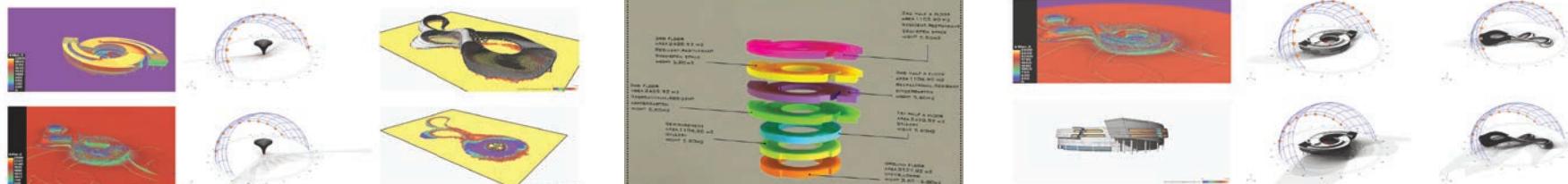
View



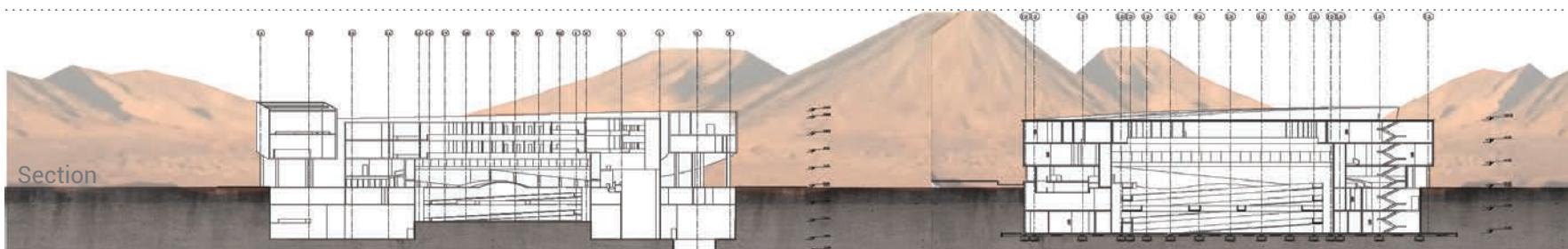
Design Process



Ground Floor Plan

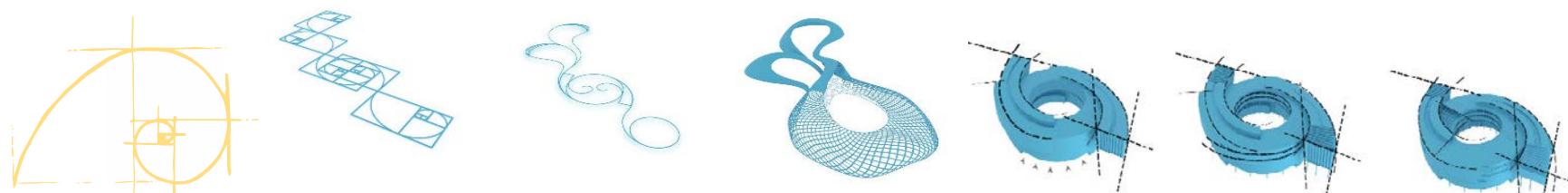
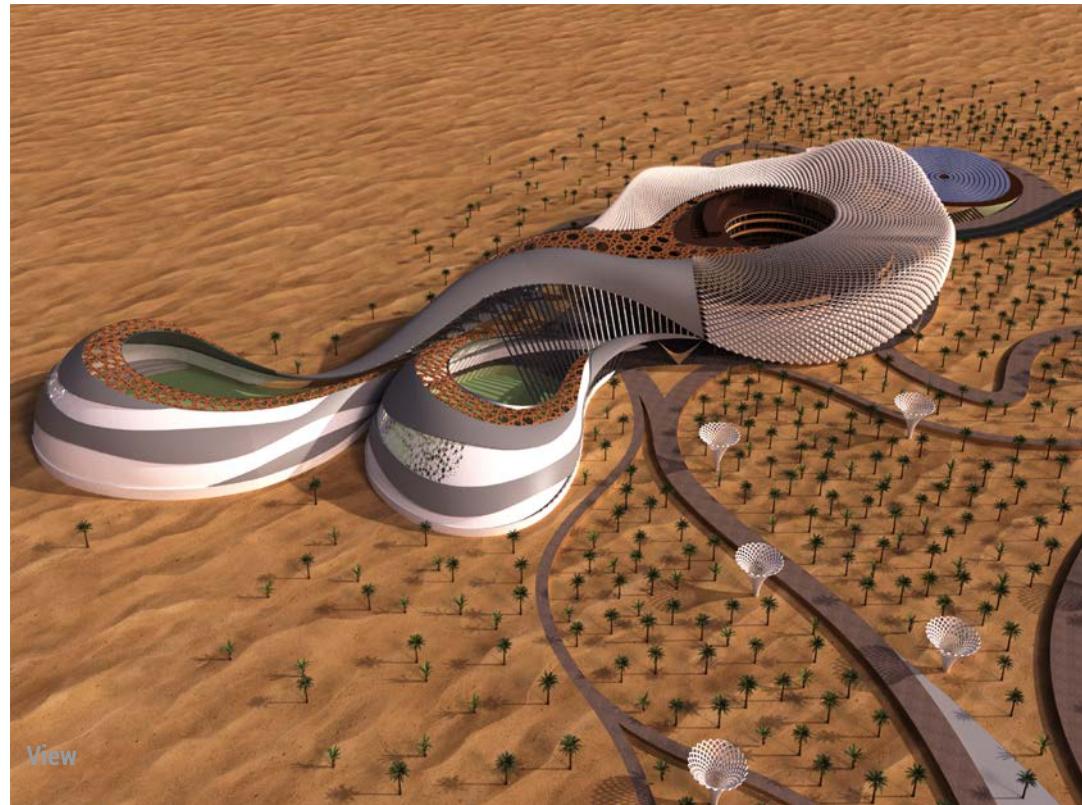


Views

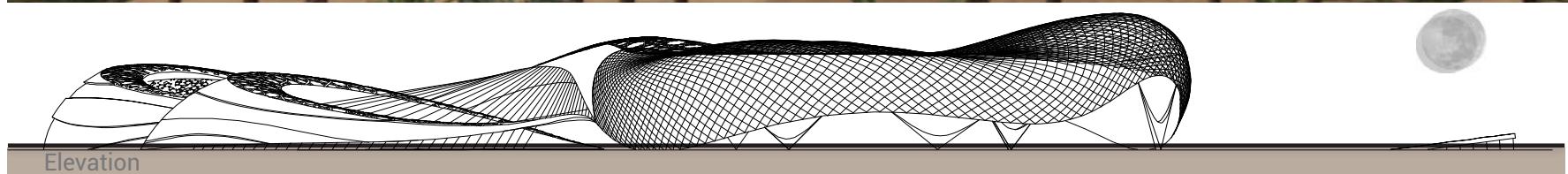


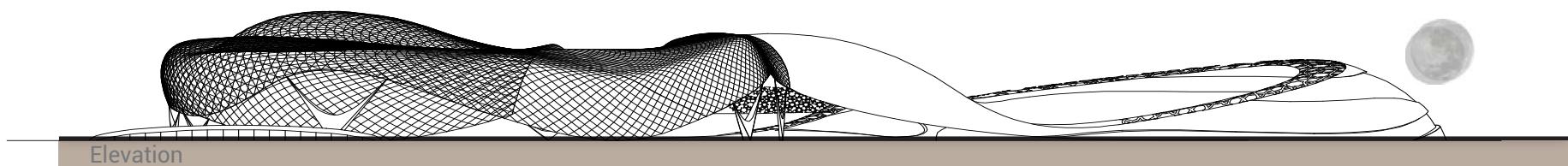
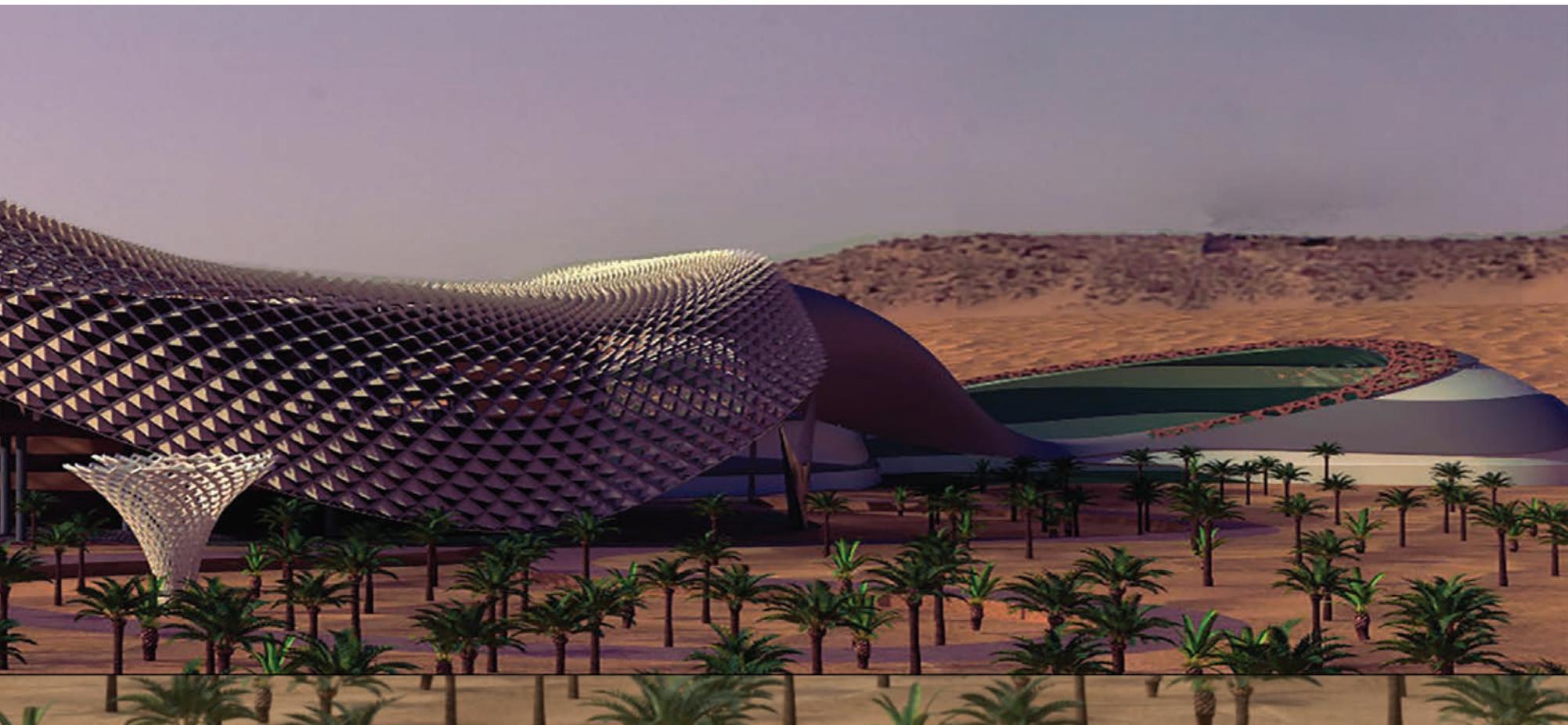
Section

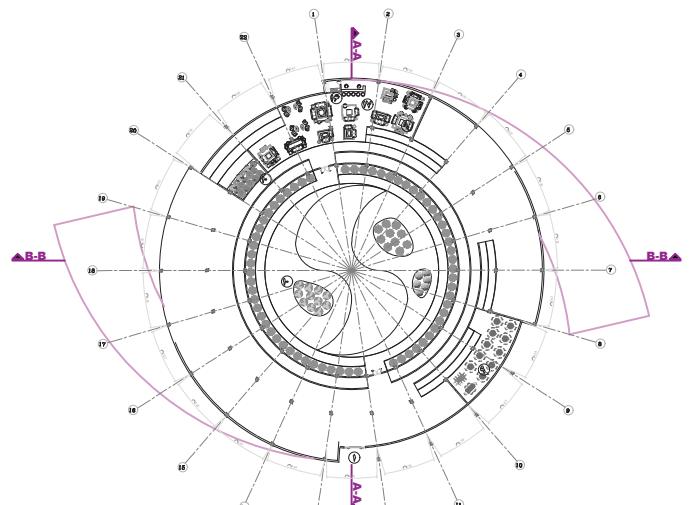
Golden proportions have been used in the design of Shen residence and the basic design is formed using 5 Fibonacci patterns. The initial pattern is placed in the DIVA software to locate the building according to the ambient light, and also the energyplus software to achieve the best. The model has been used for the use of solar energy and water consumption and other energy flows. In the central part of the work, a garden pit will be considered, which will soften the air. In the upper 2 banks, the work of the hall and sports fields will be considered. And at the end of the work, the parking lot and garden pit will be considered. On the whole work and in the area of the shell consisting of thermal and motion panels (heat absorbing sunlight and generating energy for the use of the residence-motion, the panels will be closed in the event of a sand storm and wind disturbance). This skin will be presented in the final design.



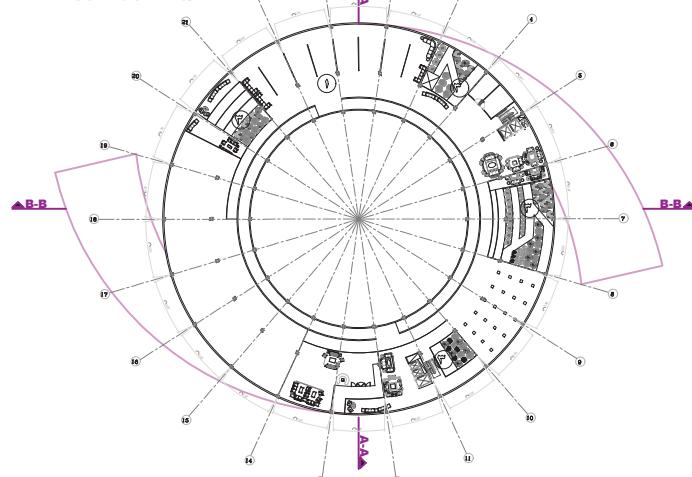
Design Process



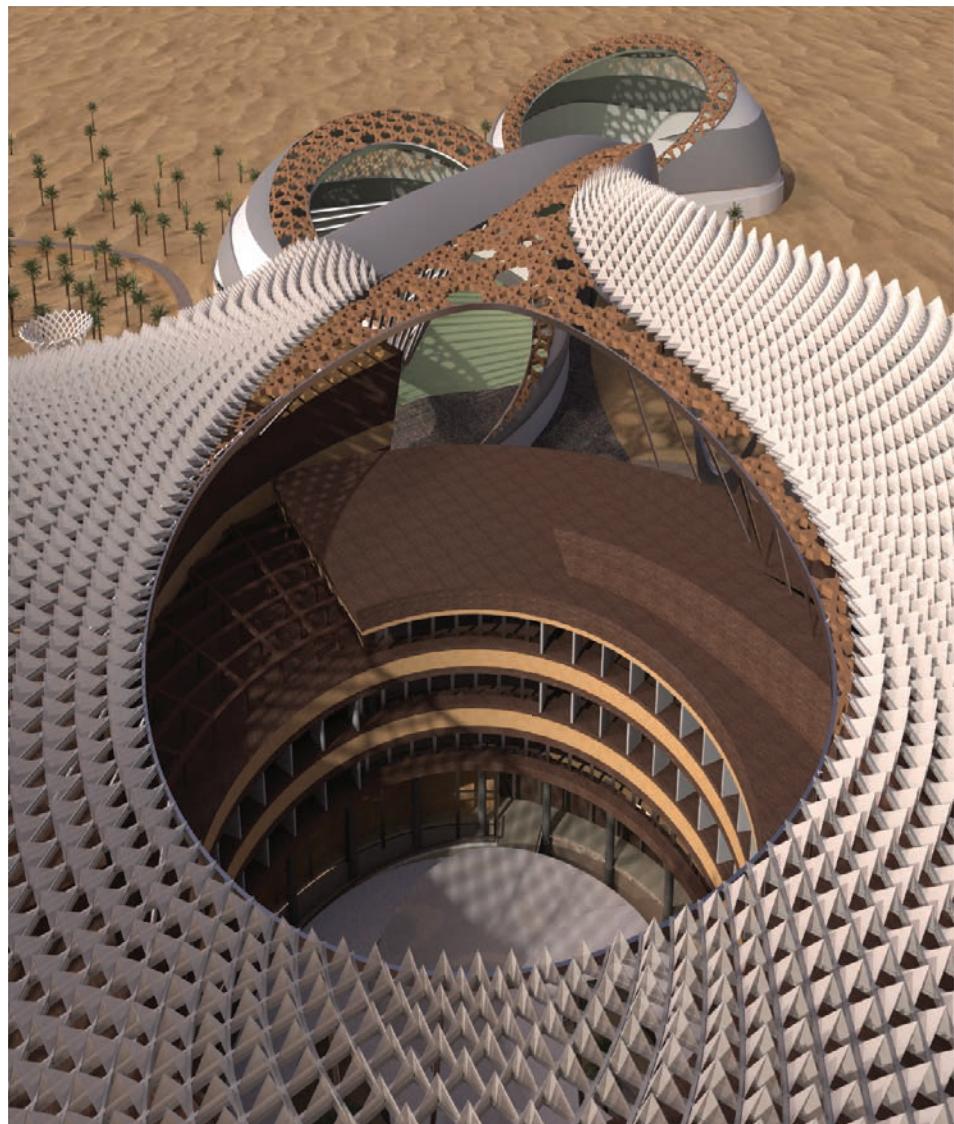


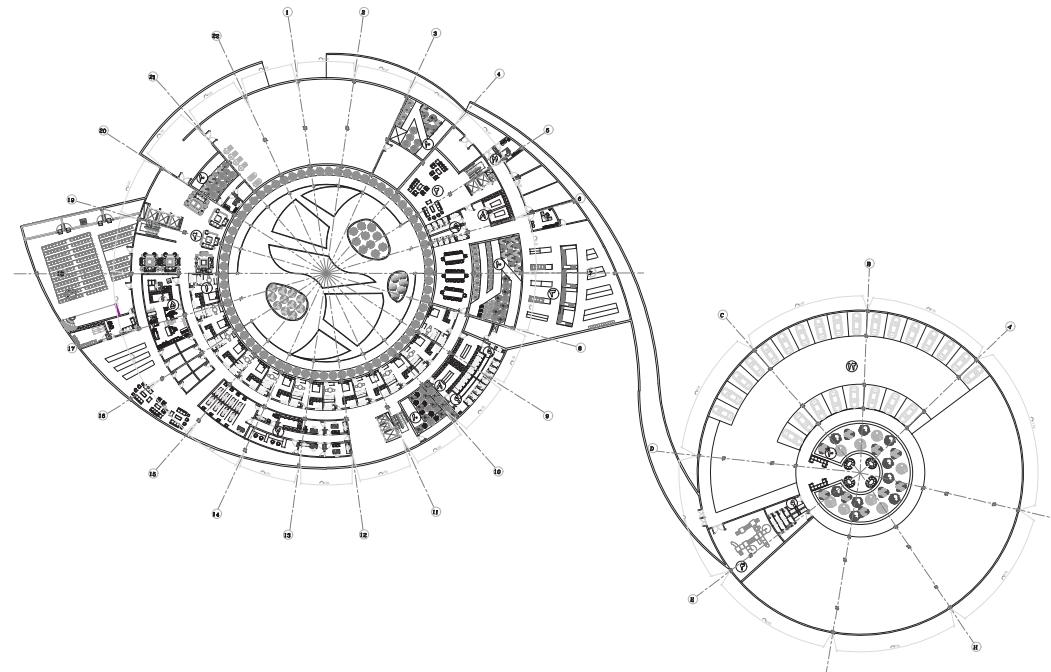


First Floor Plan

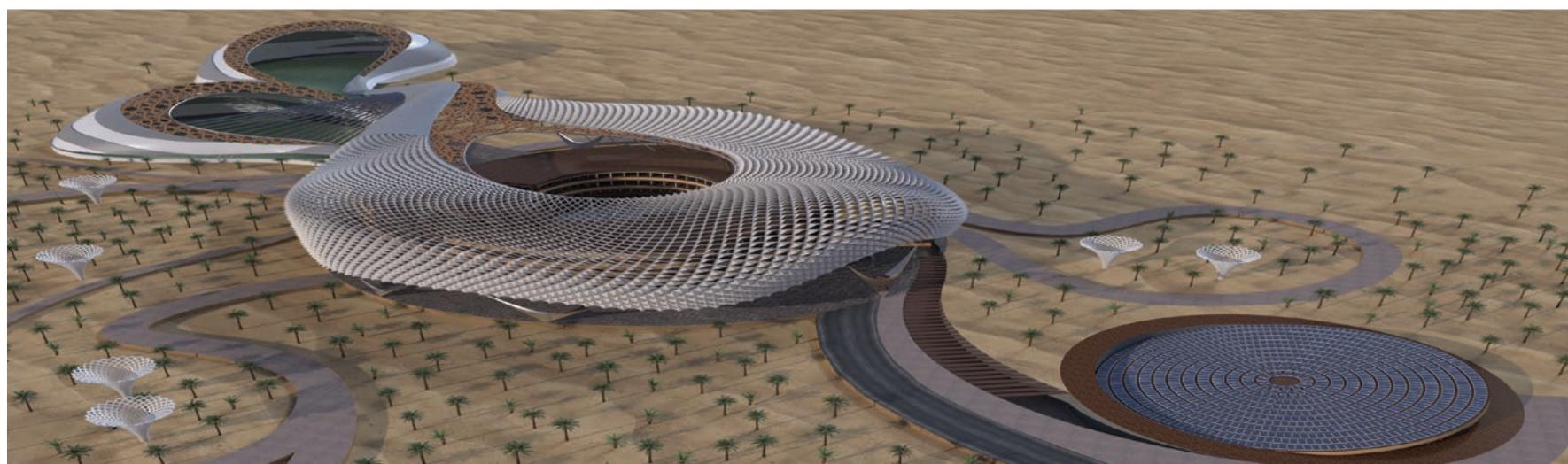


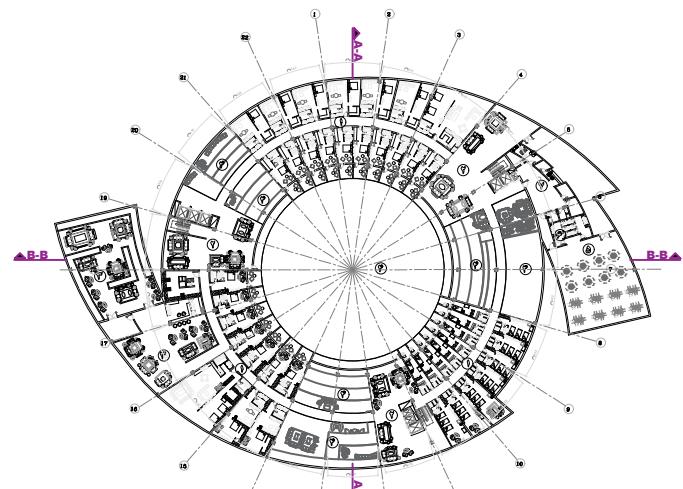
Second Floor Plan



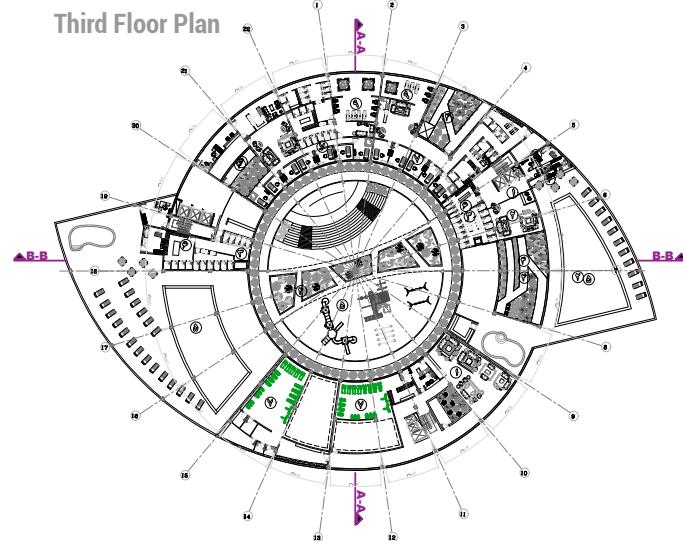


Basement Plan

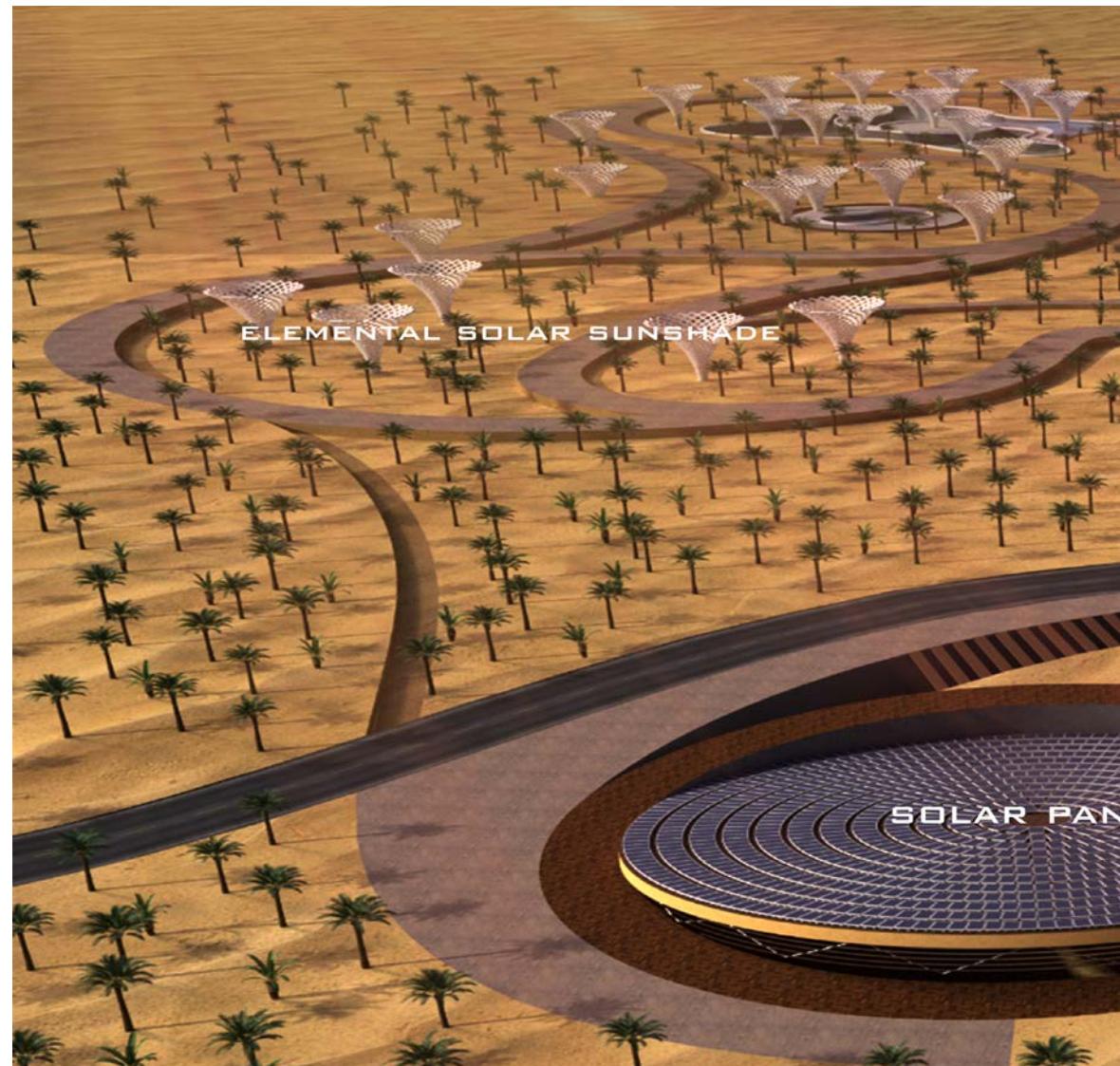


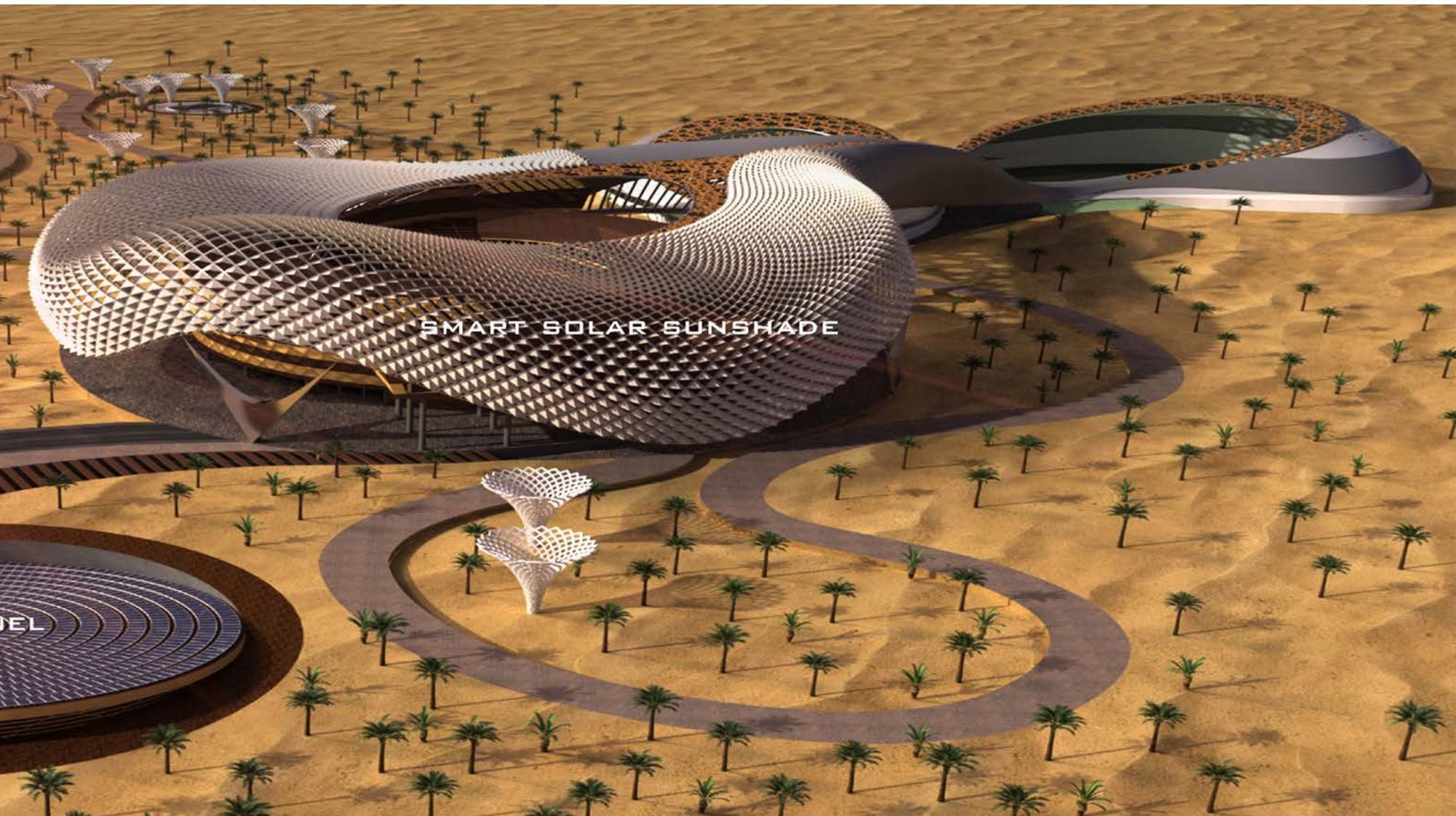


Third Floor Plan



Basement -2 Floor Plan

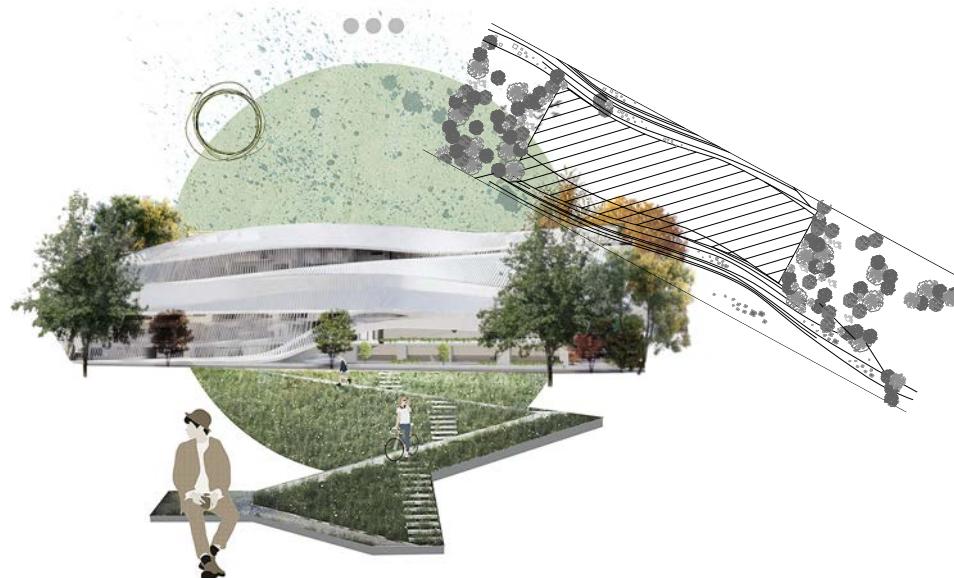




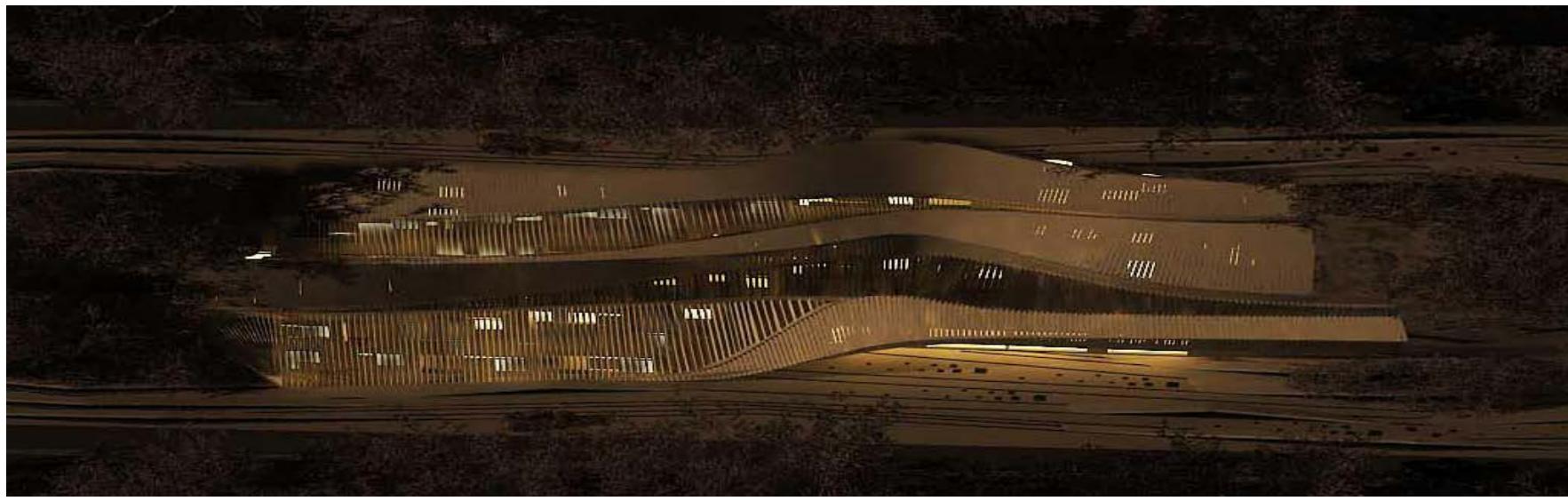
02

DESIGNING A NURSING HOME WITH AN ENERGY CONSERVATION APPROACH

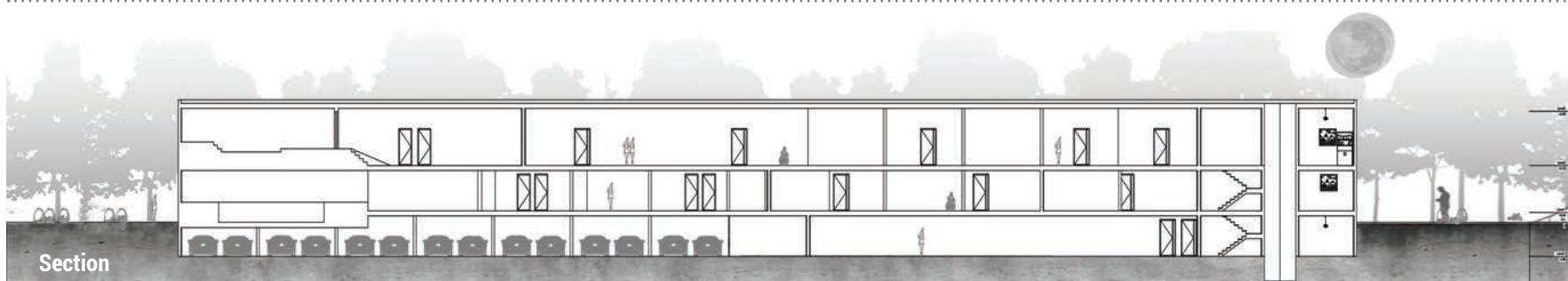
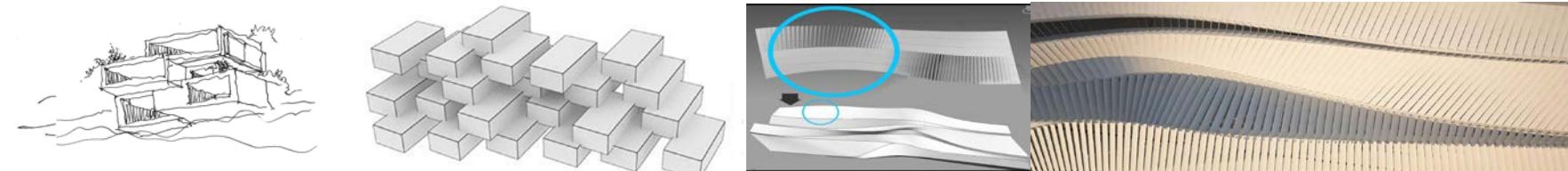
LOCATION : TEHRAN
PROFESSOR NAME : DR. MAHDI NEJAD

**Introduction**

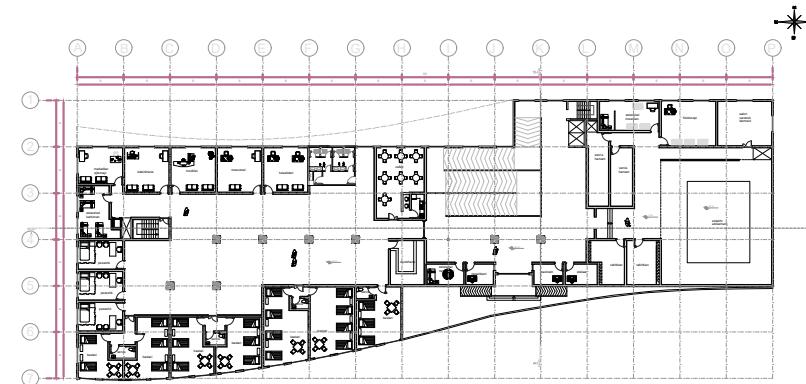
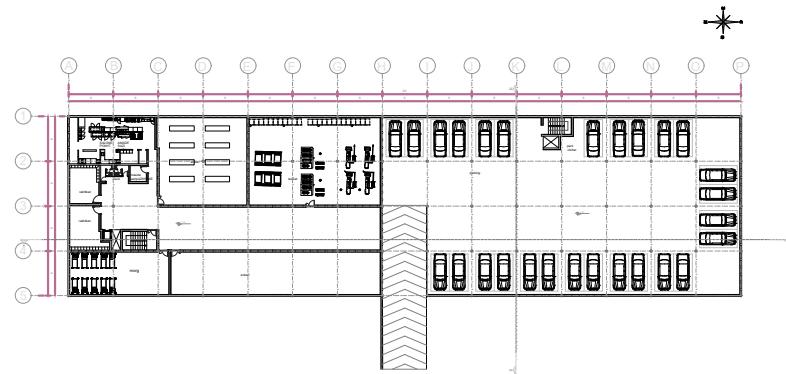
intelligent skin with parametric panels helps building to keep it's heating energy. Briefly , intelligent skin is a technology that can control the facade of building automatically .An operative facade that the face of it depends on the environment.Form and skin are two important factors of building in aesthetics and energy efficiency issues .skin is a bridge between inner space and outer environment outer skin can control light , heating and view.Hence it is really effective on the whole of project . vertical panel is designed in this project because of wind.in this project wind was more important than sun because of the fact that cold wind in winter can cause building to lose it`s heating .intelligent skin has sensors that send information to System for controlling the panels .



view



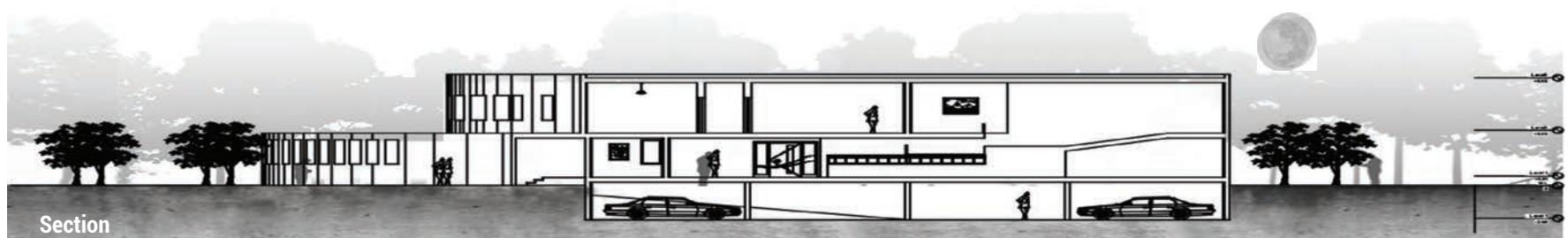
Section



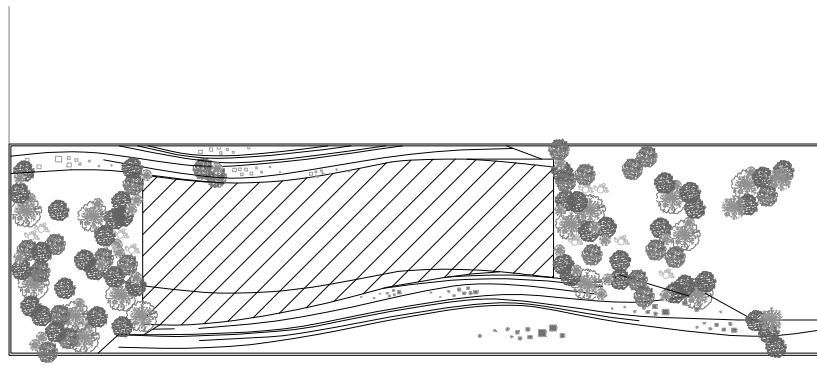
Basement Plan



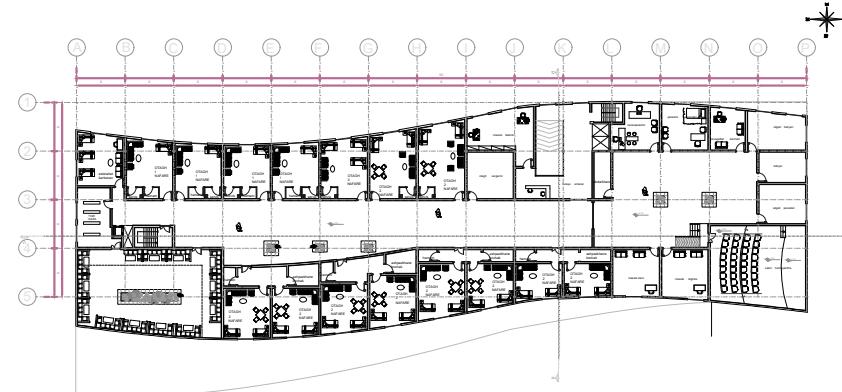
Ground Floor Plan



Section



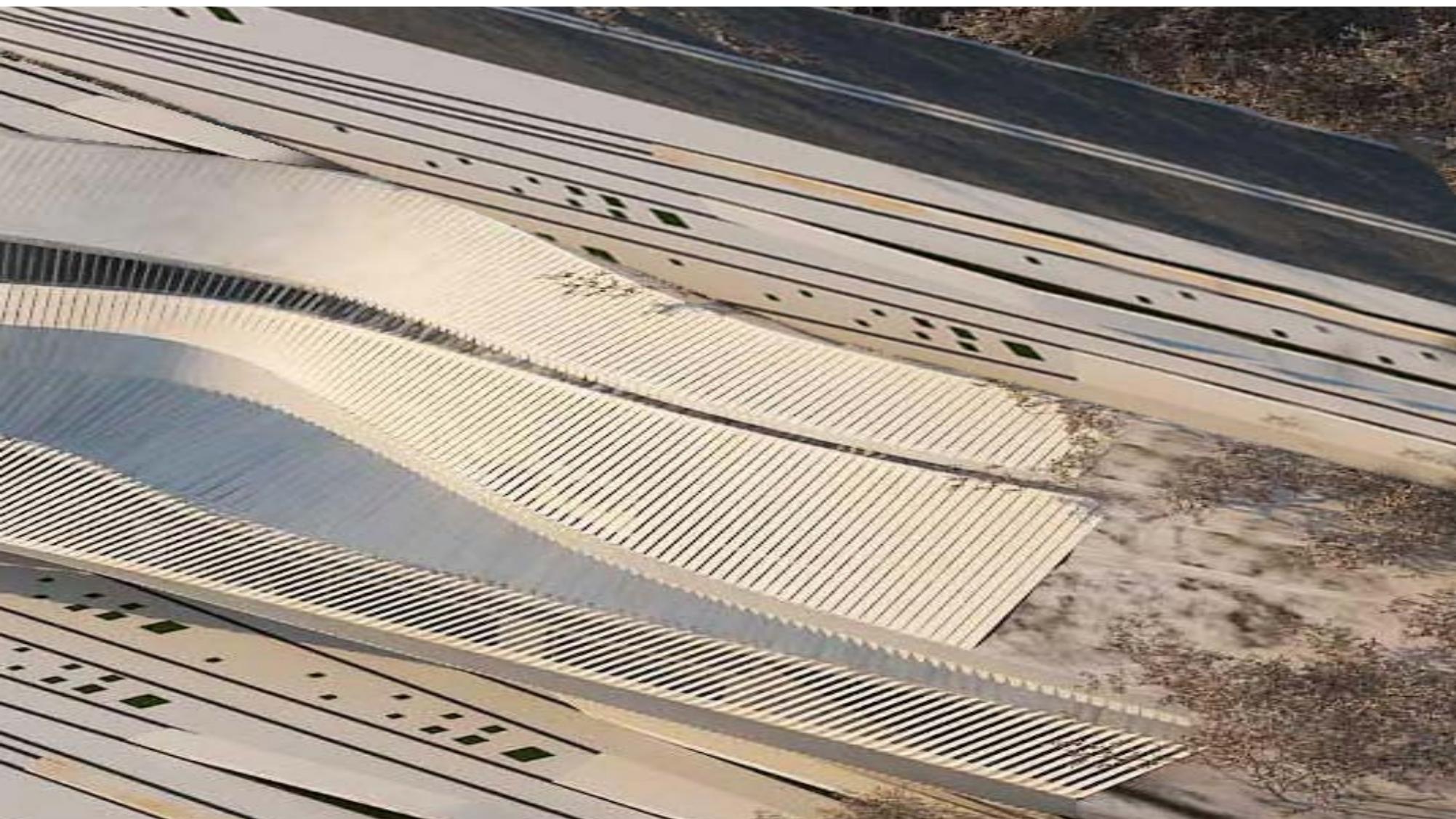
Site Plan

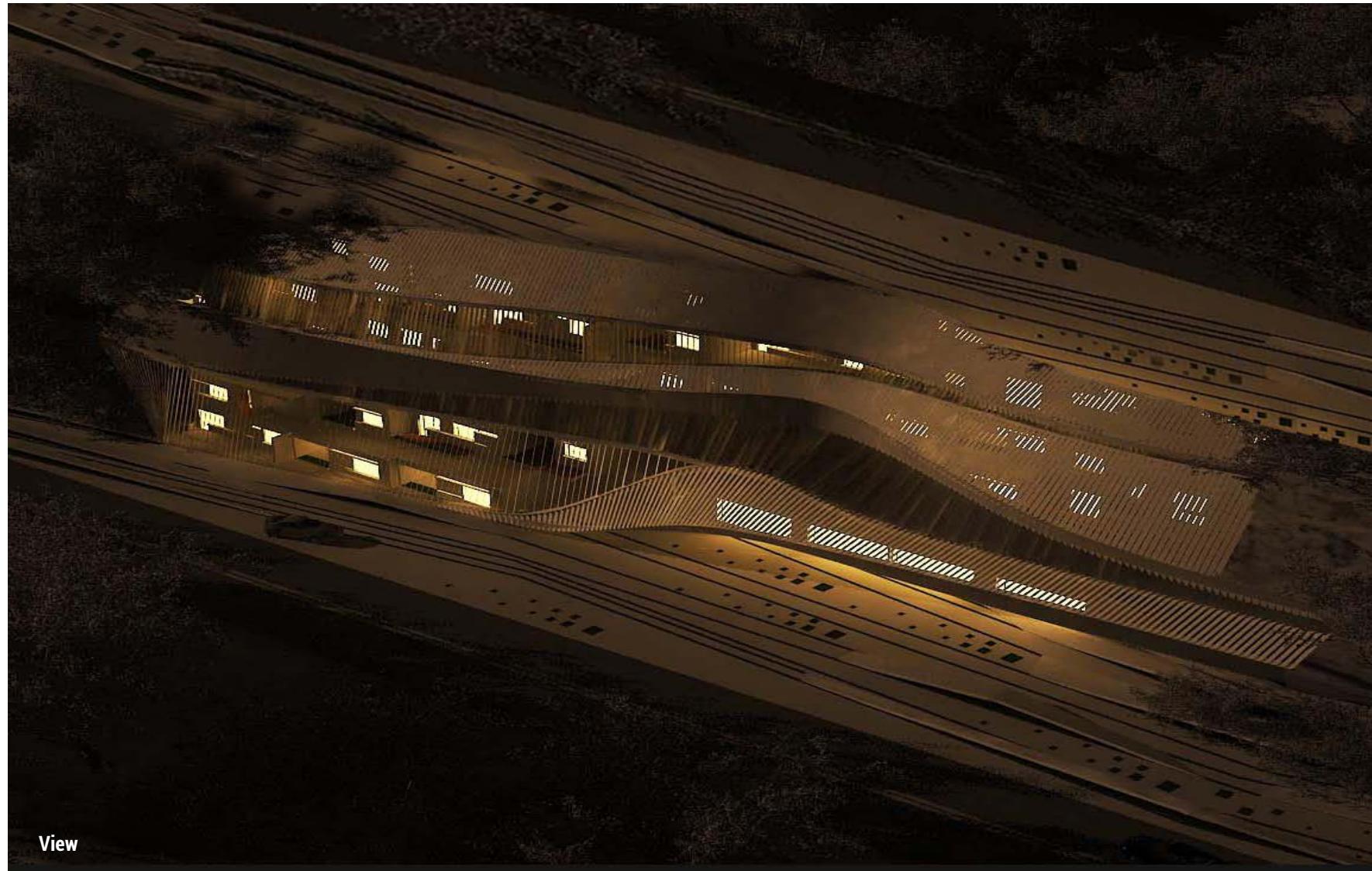


First Floor Plan





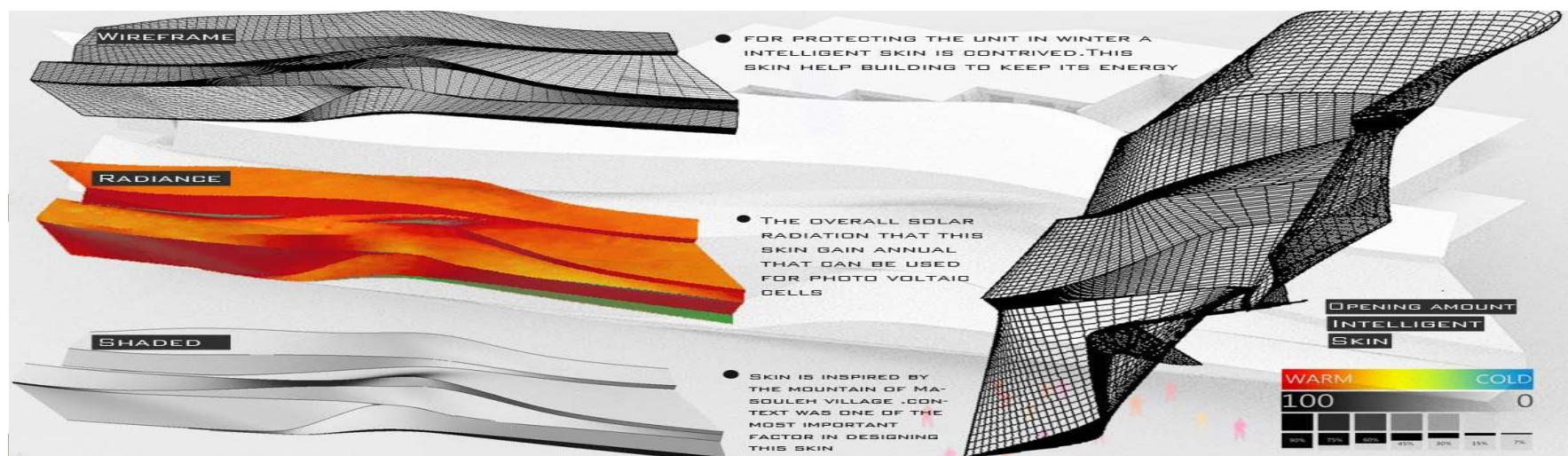




View



View



03

THE DESIGN CENTER OF ARTISTIC CREATION IMPROVING THE SOCIAL INTERACTIONS IN THE HISTORICAL CONTEXT OF DAMGHAN

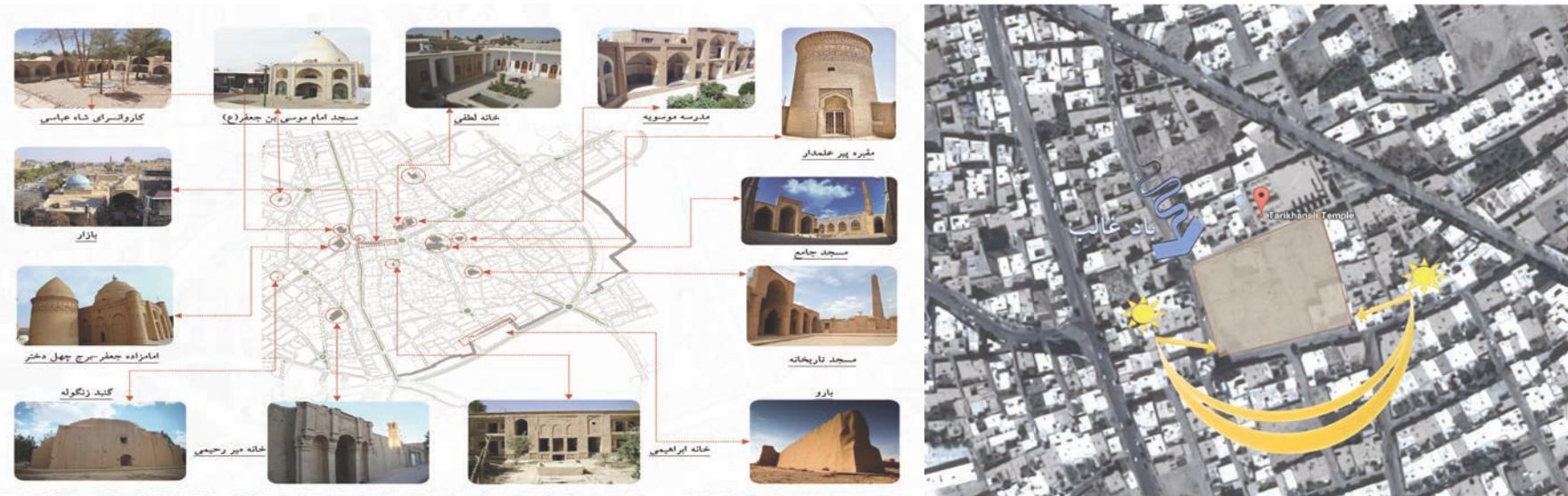
LOCATION : SEMNAN

PROFESSOR NAME : DR. AMIRMASOUD DABAGH



Introduction

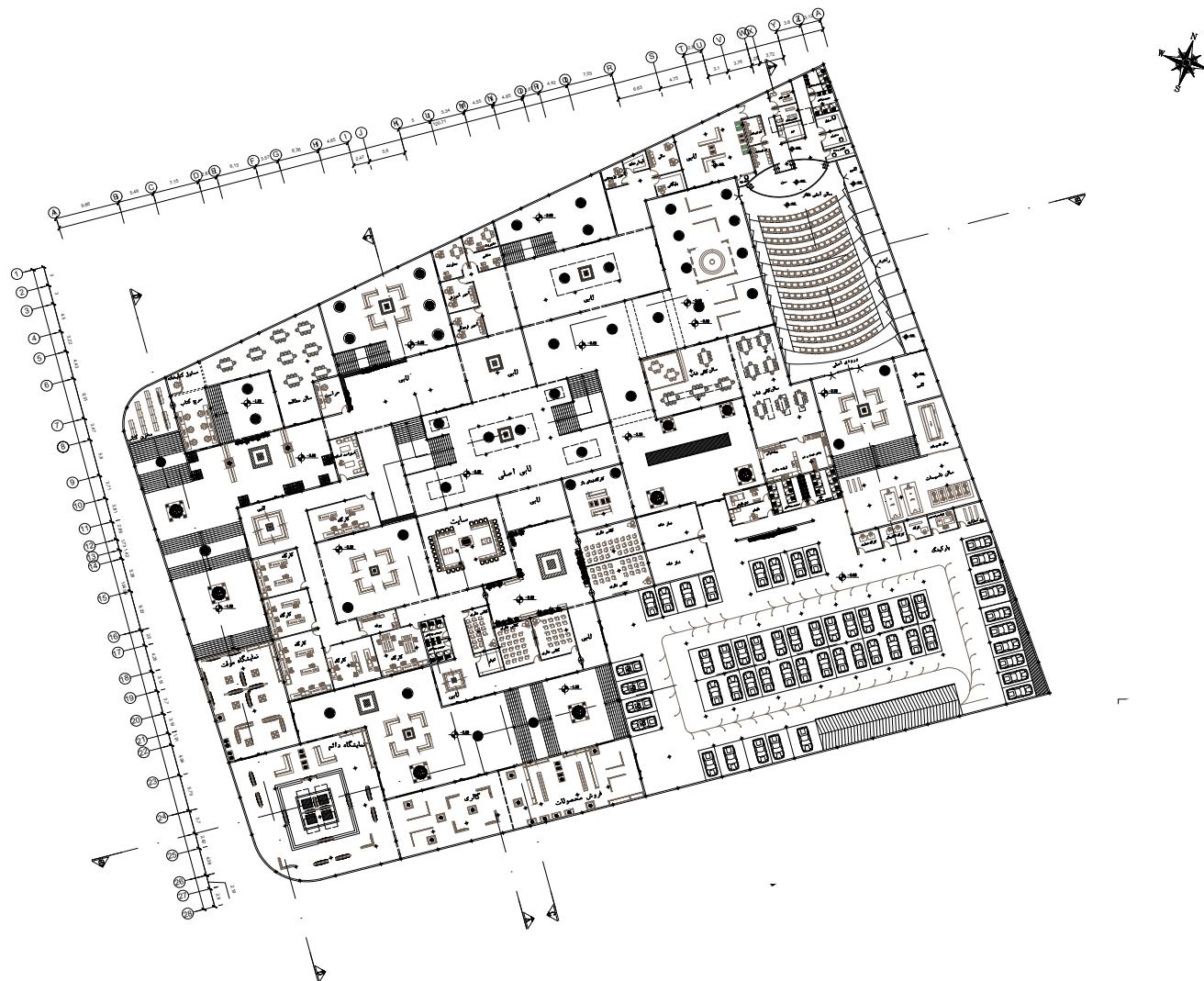
Historical context is a range of the central part of the city including the main old neighborhoods that have cultural identity value and are distinct from other parts of the city. And they include works that are remnants of the past and irreplaceable that can help societies become aware of their cultural and past values. Preserving them adds to the quality of life, in addition to arousing national pride and creating a sense of identity. By historical context, urban textures belong to different pre-contemporary periods, which are based on authentic and rooted patterns of Iranian architecture and urban design.



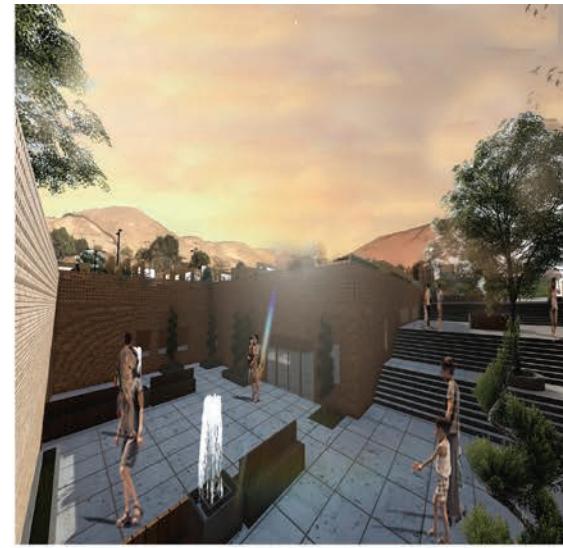
Site Plan

In the meantime, historical contexts are of particular value because they are the product of interaction between multiple factors and strongly express the cultural, social, economic, and livelihood characteristics of their particular time and place. With the disappearance of the aforementioned factors and the creators of past periodic tissues, they become unique and irreversible phenomena.





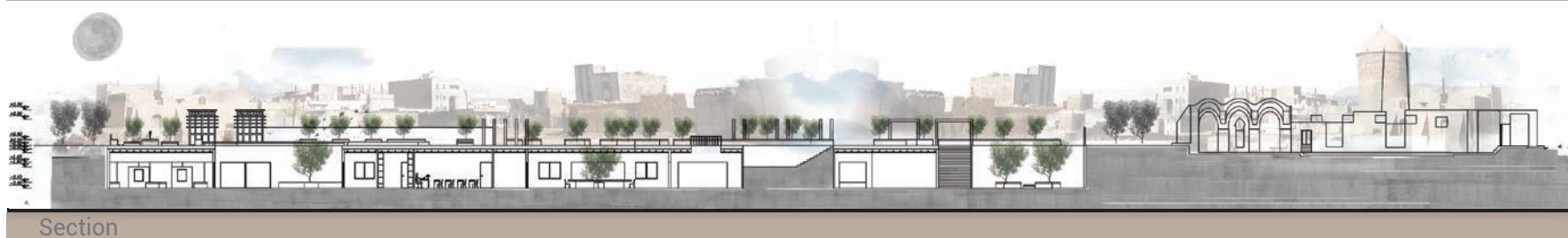
Ground Floor Plan



Views



Section



Section





View

04

THE ZERO ENERGY ARCHITECTURAL APPROACH DESIGN OF INFORMATION AND TECHNOLOGY CENTER

LOCATION : YAZD

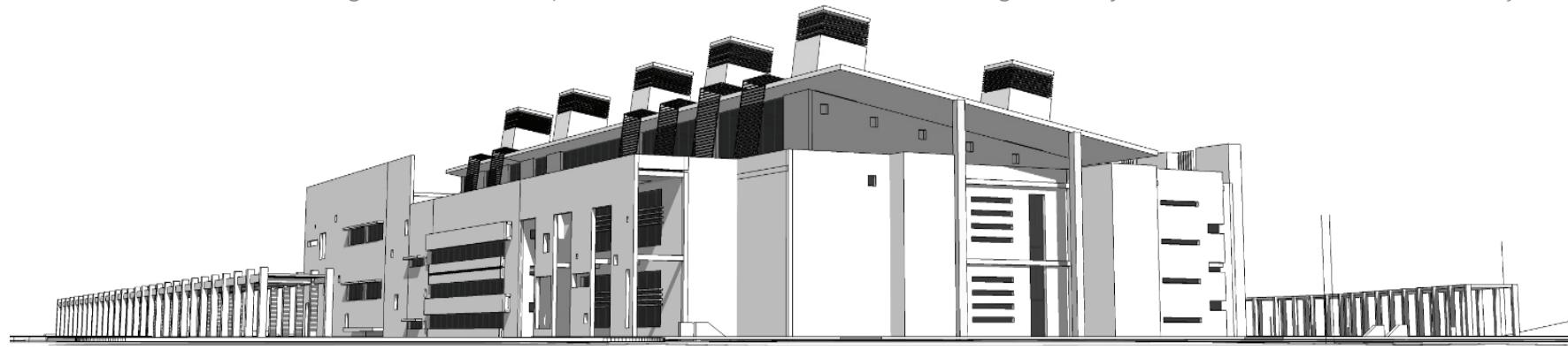
PROFESSOR NAME : DR. AMIR MASOO



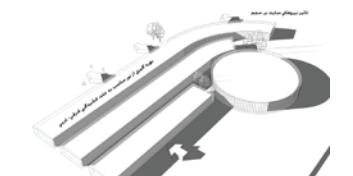
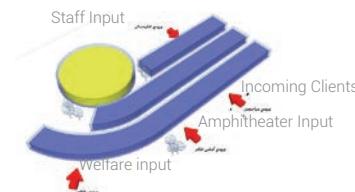
Introduction

Based on the design of an introverted building with a climatic characteristic of heat escape that can work based on the use of solar radiation intensity and also from within the responsiveness of its own communication and visual spaces. The building model is a combination of linear and closed model, which is one of the common options in spatial and functional organization, after selecting this pattern and considering the design concept, in most of these issues two options are discussed. And in each one, the overall replacement of functions and how to access them has been reviewed. Migration in spaces is an indicator of traditional quality in this project in the shell of the project.

In the façade of the building, the movement and replacement of elements in the sub-size, wind towers, windows, etc. In order to create the appropriate quality of the calendar, the movement of the sun and the wind is observed, and of course, where it was necessary to pay attention to the visual issues of the façade of the complex (even the city view issue and the sight of the collection and indexing this movement) and elements have created a homogeneous yet varied combination on the façade.

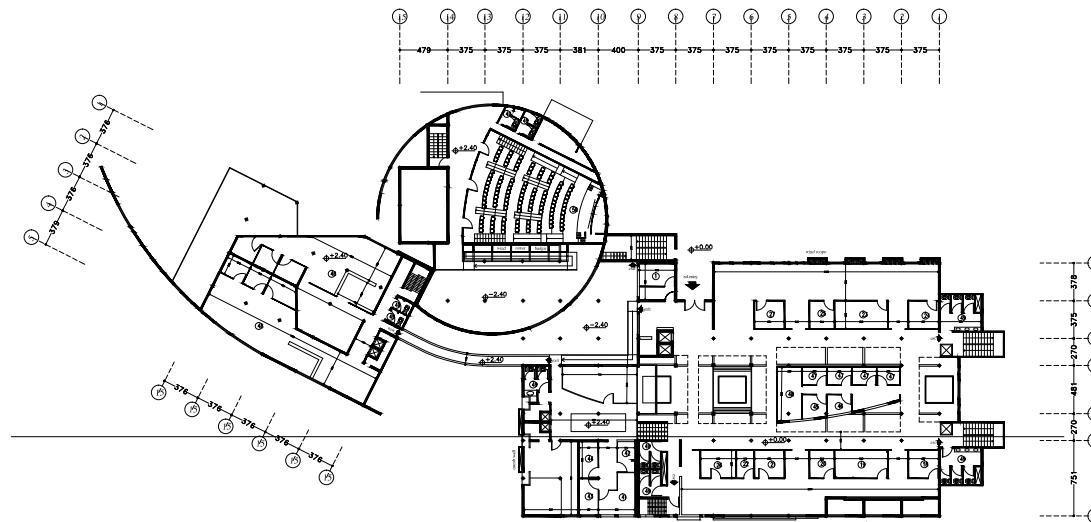


View

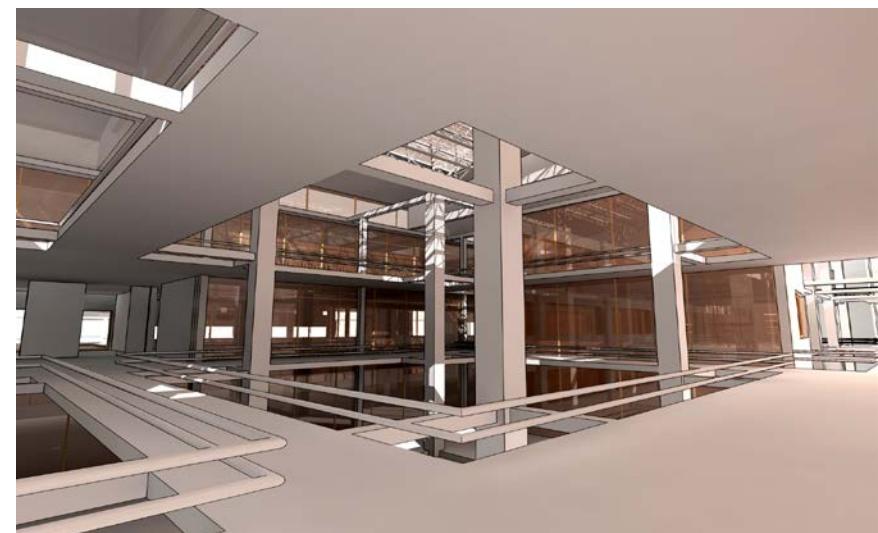
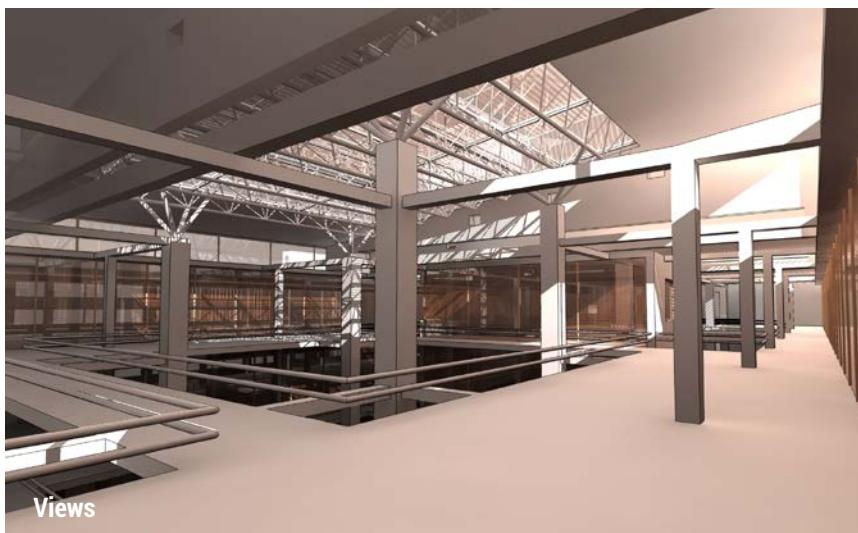


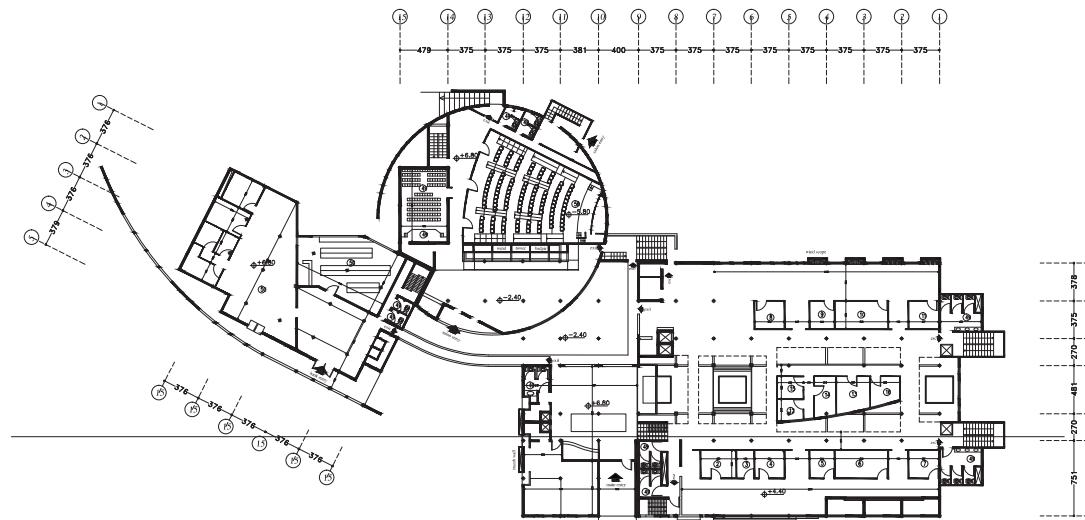
Design Process





Ground Floor Plan





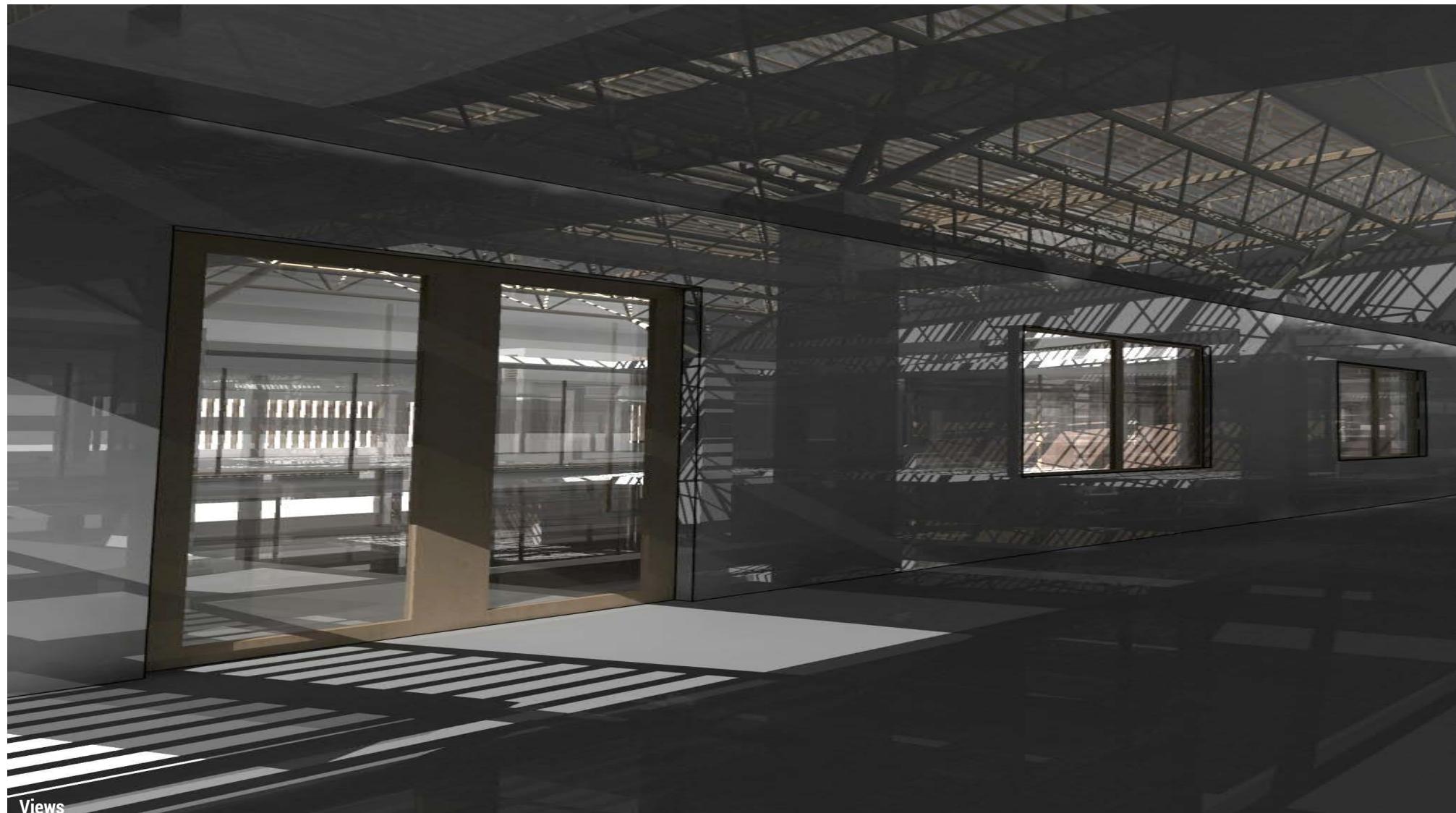
First Floor Plan



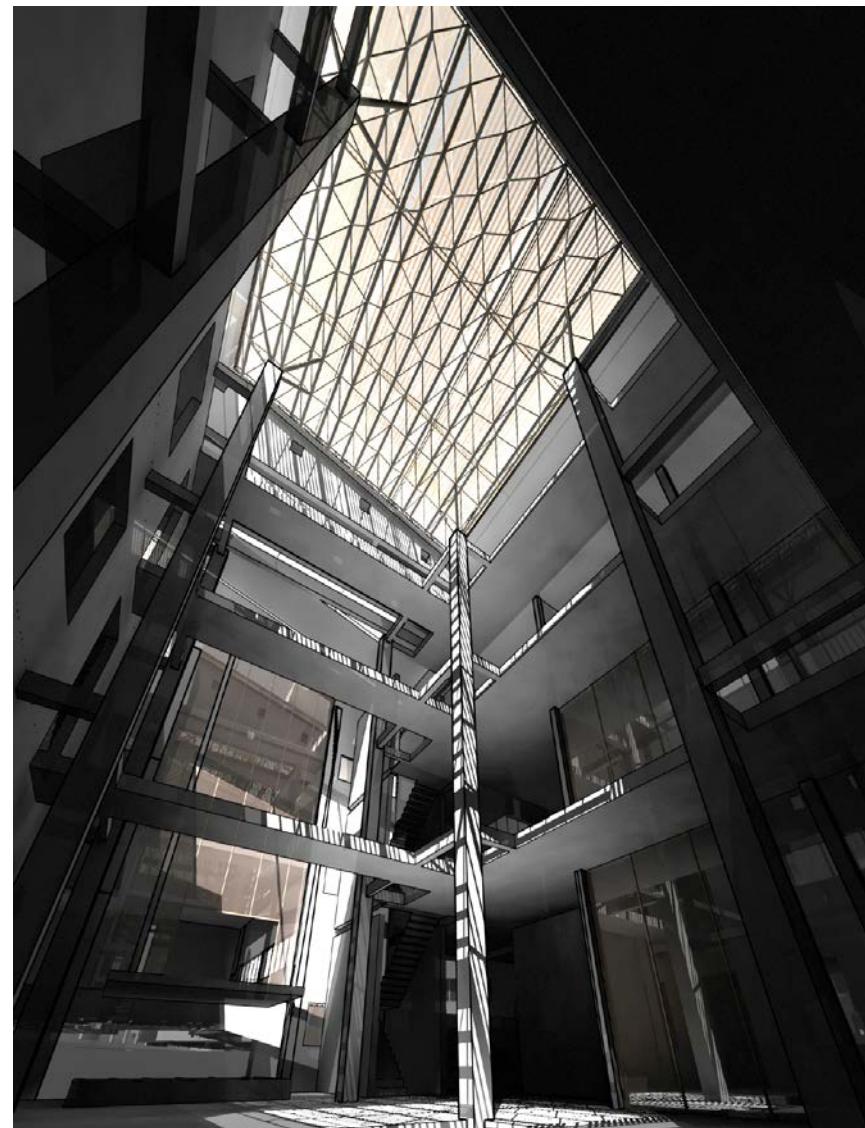
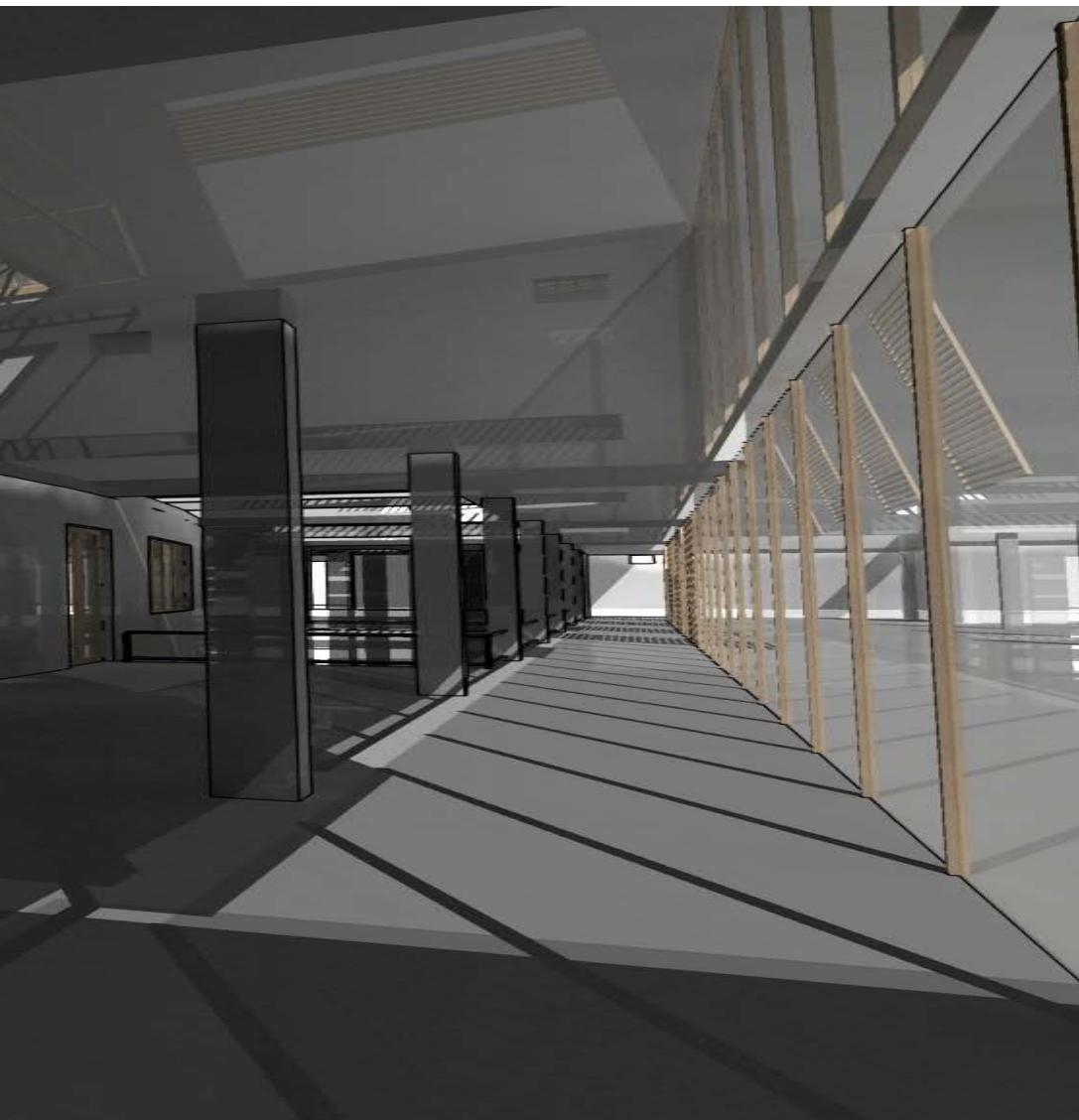
South Elevation

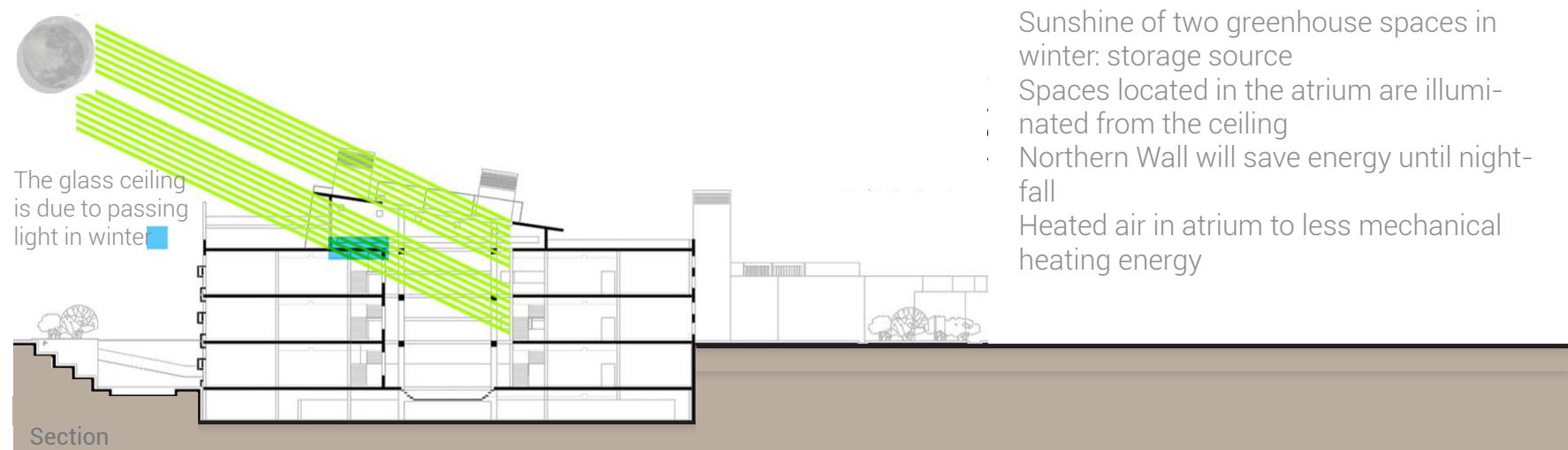
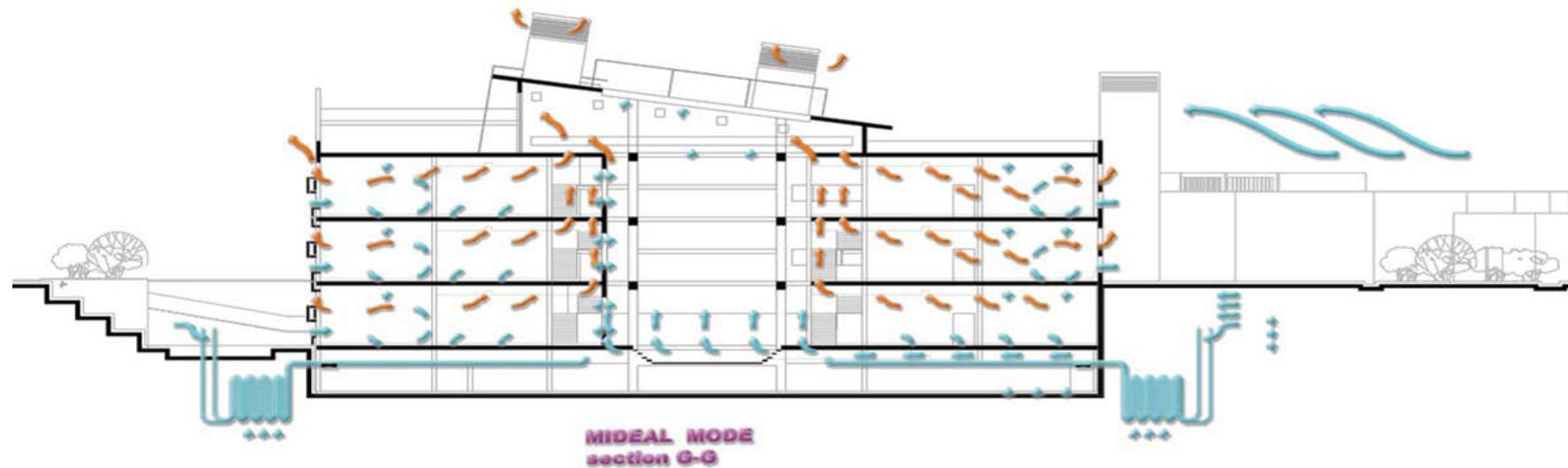


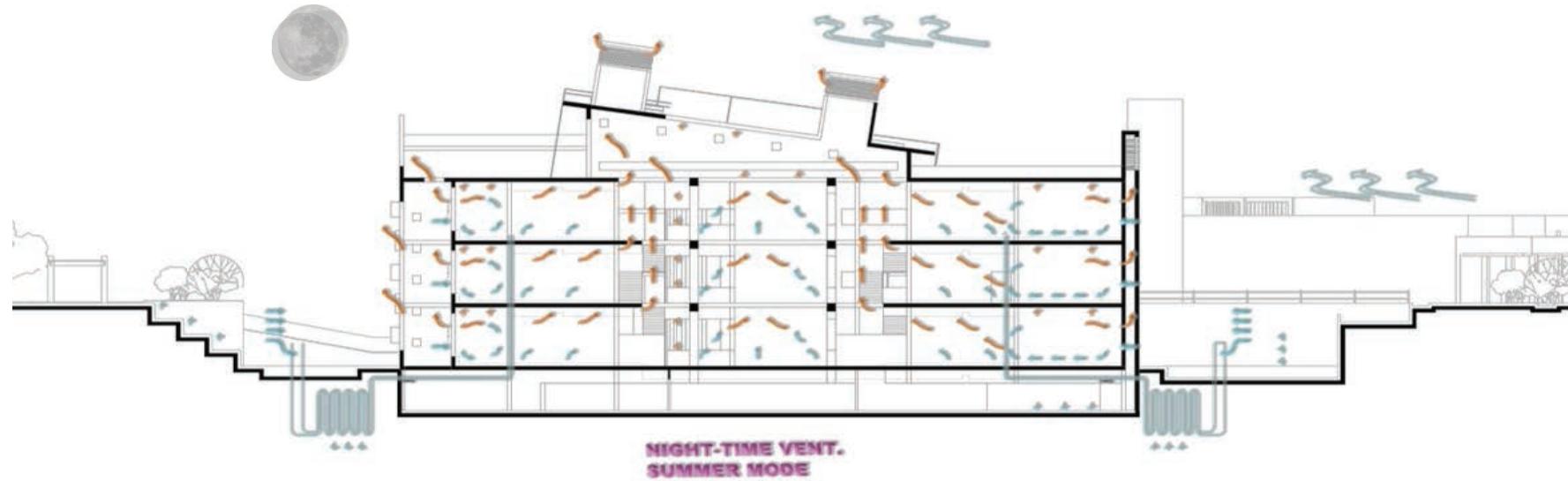
North Elevation



Views





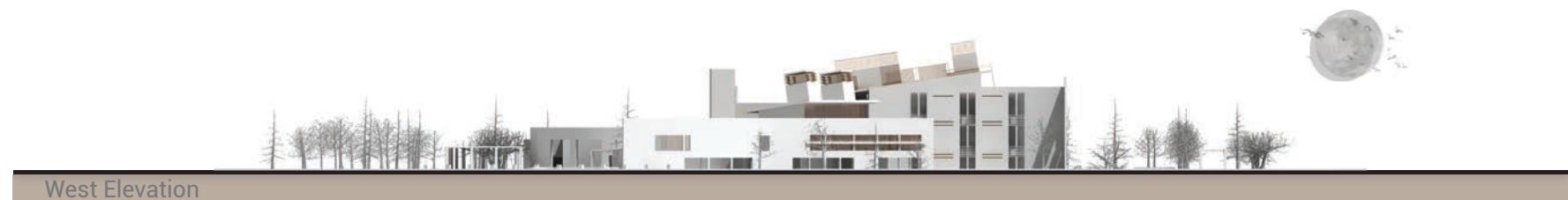


In addition to seasonal awnings and night ventilation of the building, which help to cool it down a lot

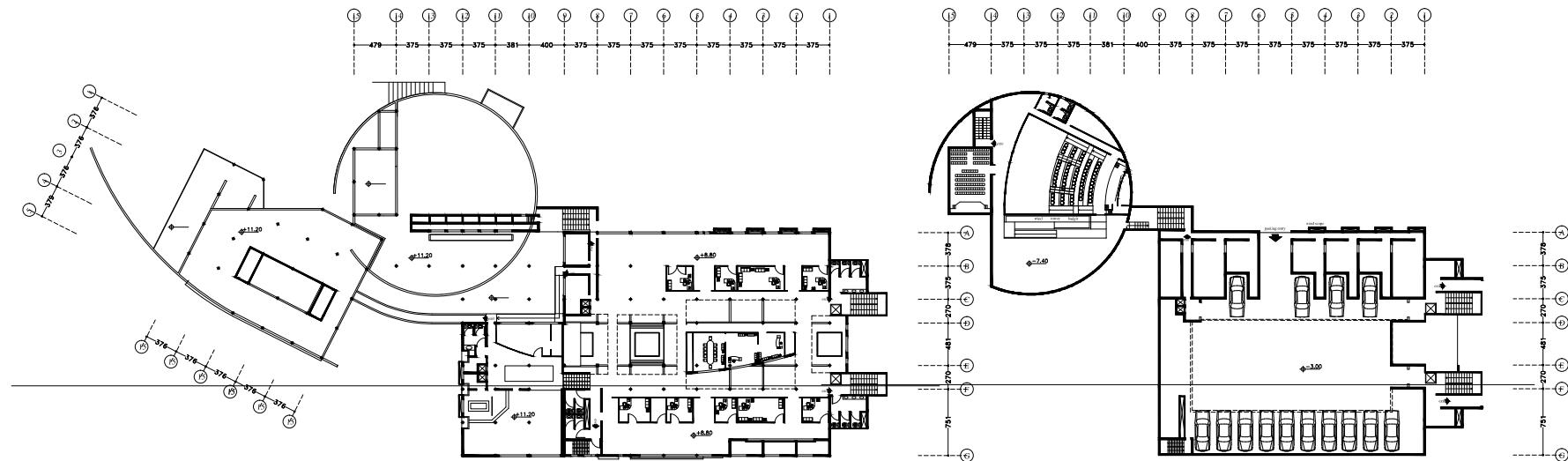
Another auxiliary system is considered as evaporative cooling for the hot season

The use of cold soil and water is reduced by 22 degrees with the use of aluminum pipes.

For this purpose, a series of fans are used to draw cold air into the room, and the hot air under the roofs of the working spaces, by the outside atrium, and the hot air under the roof of the atrium acts like a chimney, by the fans that are located in spaces such as Khorjin. The wind blows.

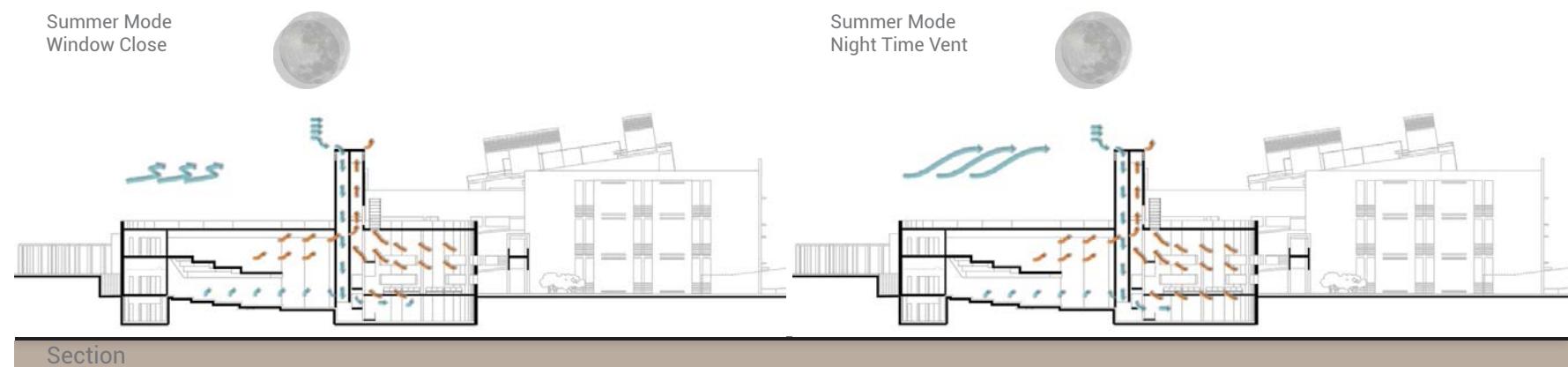


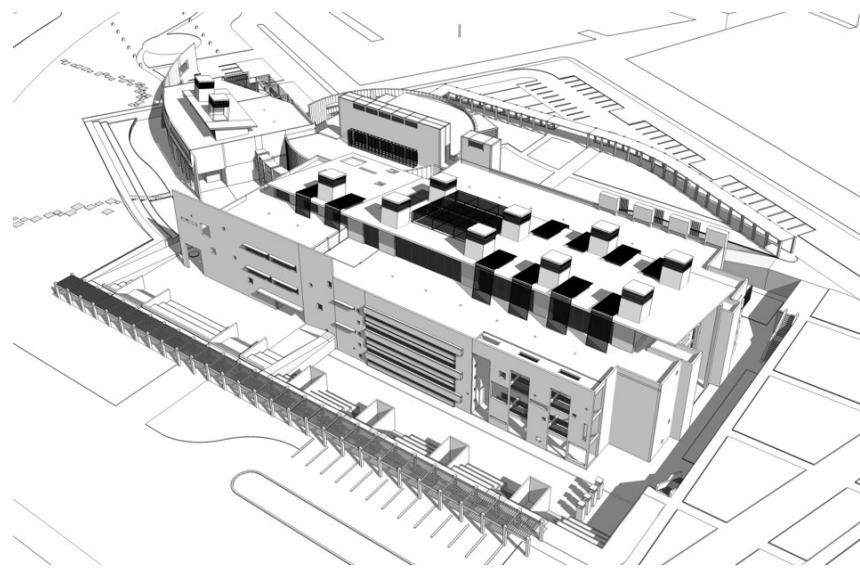




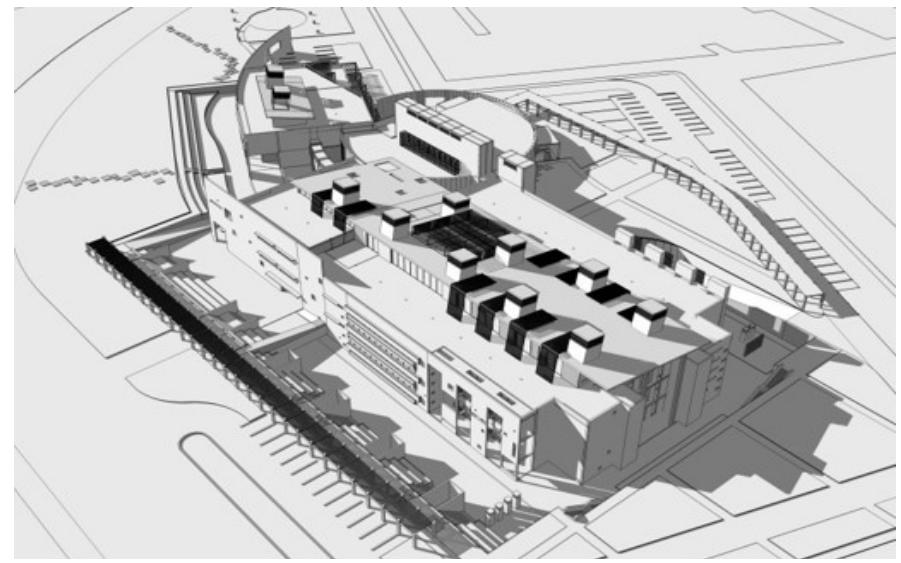
Second Floor Plan

Basement Plan

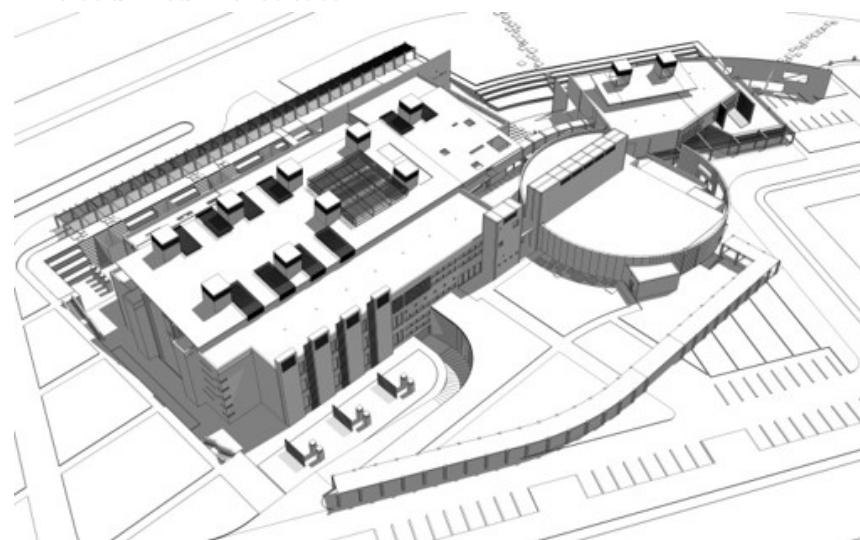




8:00 a.m. Summer Solstice



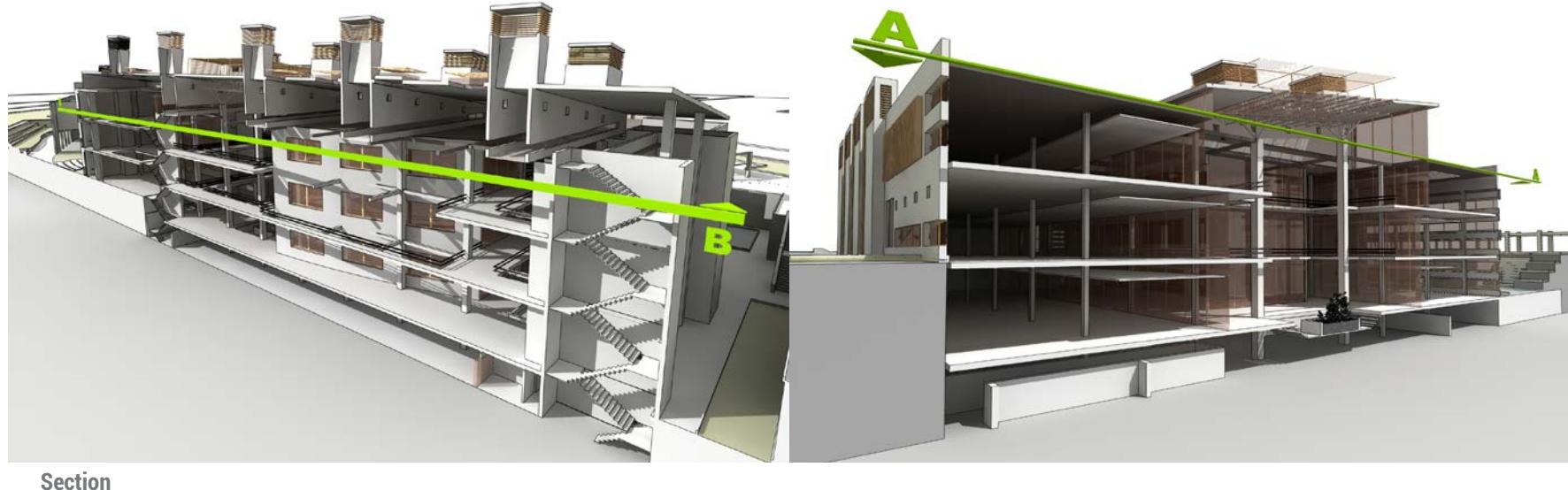
2 p.m. Winter Solstice



3:00 p.m. Equinox



10:00 a.m. Equinox



Section

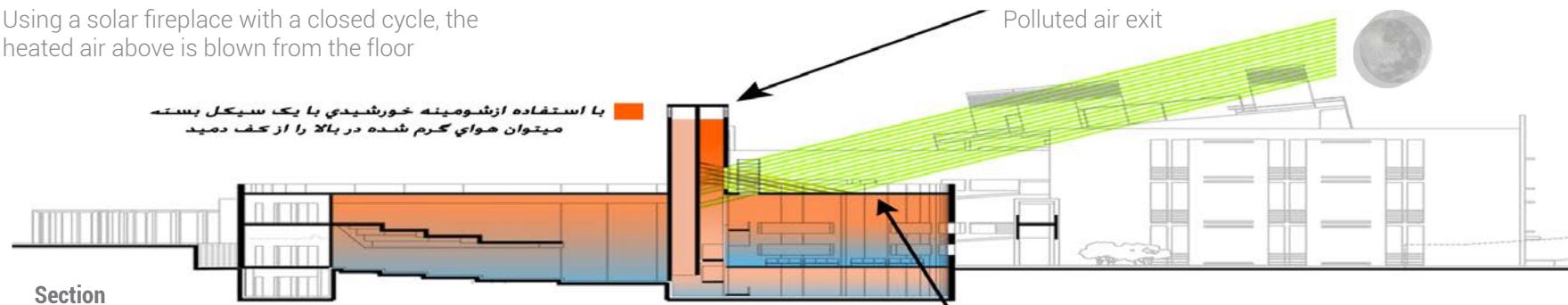


Section



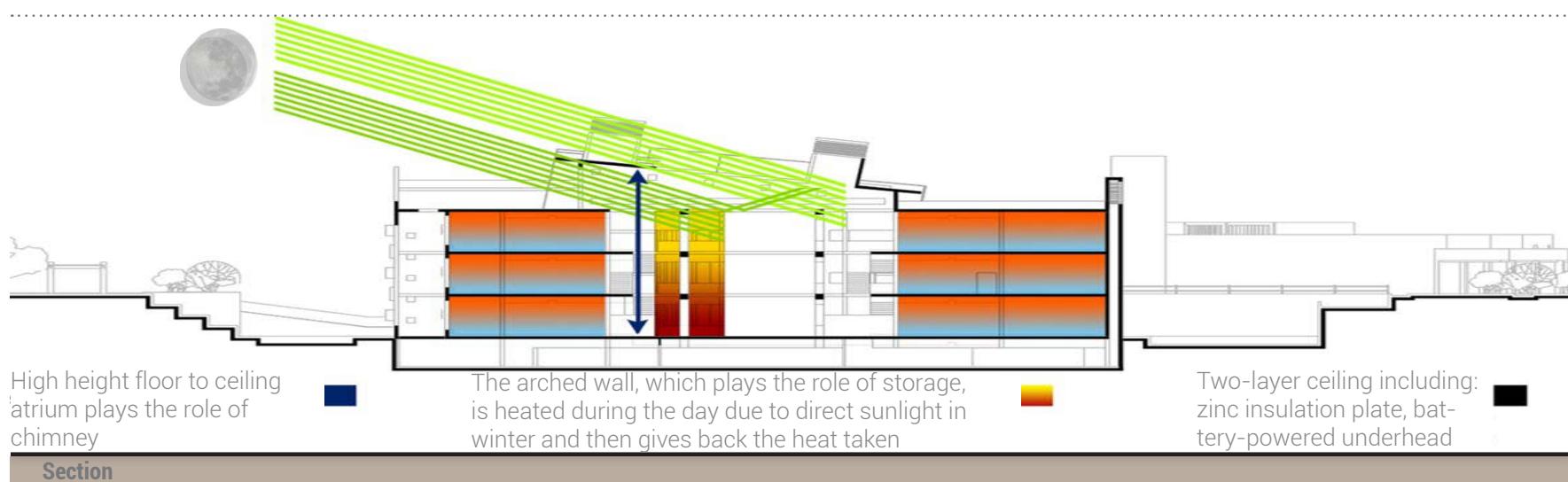
Section

Using a solar fireplace with a closed cycle, the heated air above is blown from the floor



(The perfect combination of badkhan and windward) summer winds with the help of evaporative cooling converted = air conditioned = inside spaces. In winter, by embedding the solar fireplace of southern light, which is located through double glazed glass inside the amphitheater chimney, it is stored in the thermal mass in the back wall and can be blown from under the space. From seasonal canopies (processed plants such as pomegranate screws or glycine) it is formed on Scabies that act as smart canopies in different seasons.

The ceiling superficially sends light reflectors in



PRO- FES- SIO- NAL

SELECTED WORKS

2018-2022

01

DOLPHIN ENTERTAINMENT BUSINESS COMPLEX

LOCATION : BANDAR ABBAS

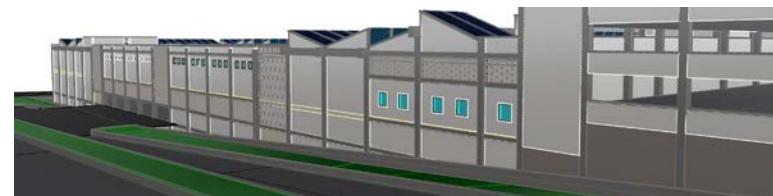
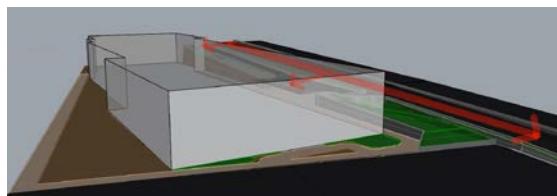


Introduction

Considering the scale of the complex and its trans-regional impact, having a local identity, being here and in this place has been one of the important goals in the design of this building. Through trial and error, the native architects of the south of the country had achieved a series of principles in the design and implementation of the building, which were compatible with the environmental and cultural conditions of this land. The use of modern technology should be compatible with the native architecture of the region in such a way that it reminds every viewer of the rich architect of this land and has its roots in its water and soil.



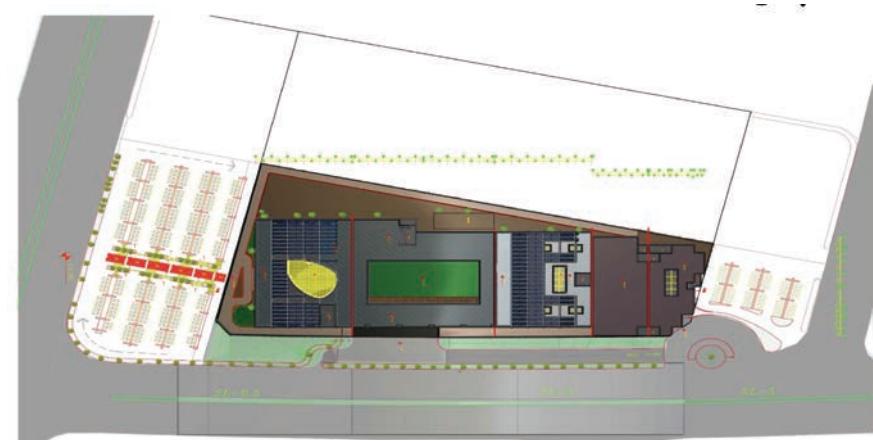
view



Design Process

According to the topography of the land, the lateral passage of the building should be constructed in a sloping manner, in order to facilitate access to the building and provide better services, the level of the roofs should be considered taken to match the standard slope of the land. • Bandar Abbas city has hot and humid weather conditions. Heat (high air temperature), humidity and intense sunlight are things that should be considered in architectural design Pay attention to their control. The solutions considered in order to control these things and spend optimal energy include: Attention to the principle of shading. Attention to the continuity of air flow. Use of light .colored surfaces. Minimal use of glass.





Minimal use of reflective materials. Beneficial use of solar radiant energy and consideration of solar panels. Use of plant species compatible with the climate. Items that are inspired by the local architectural pattern of the region include: Use of rhythm and proportions in native architecture. Inspiration from the form of the central courtyard as a stable model in Iranian architecture. Using the roof as a field and multipurpose functional space. Inspired by one-way windshields. Using the roof as a multi-functional functional space . Use of materials compatible with the climate



The main roads around



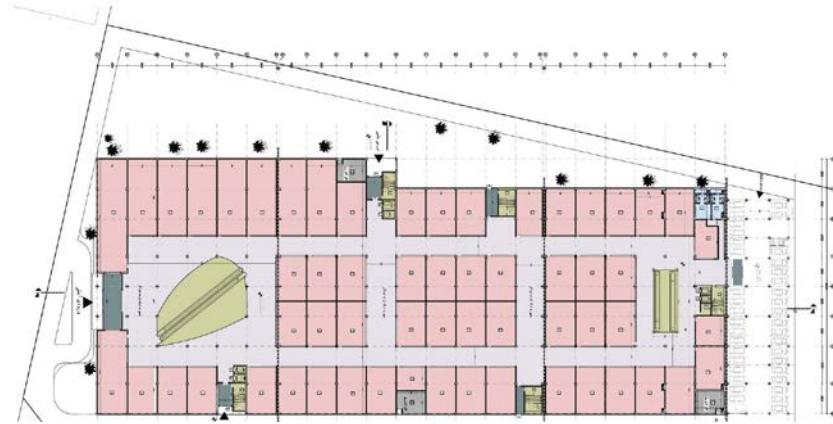
The main roads around



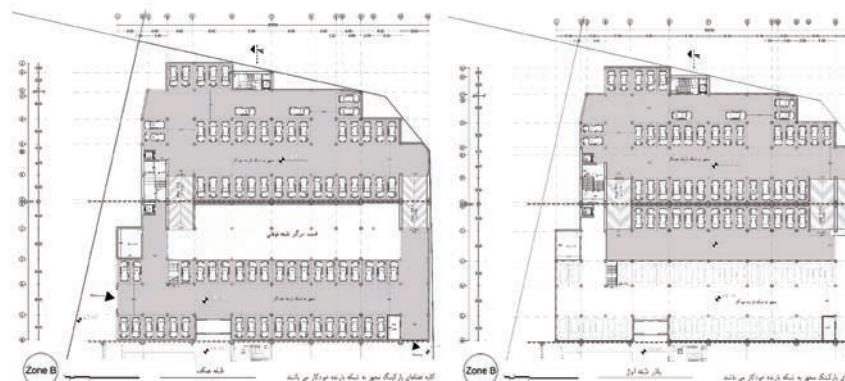
Urban roads and accesses leading to the place of implementation of the project



Urban roads and accesses



Ground Floor Plan



Ground Floor Parking Plan



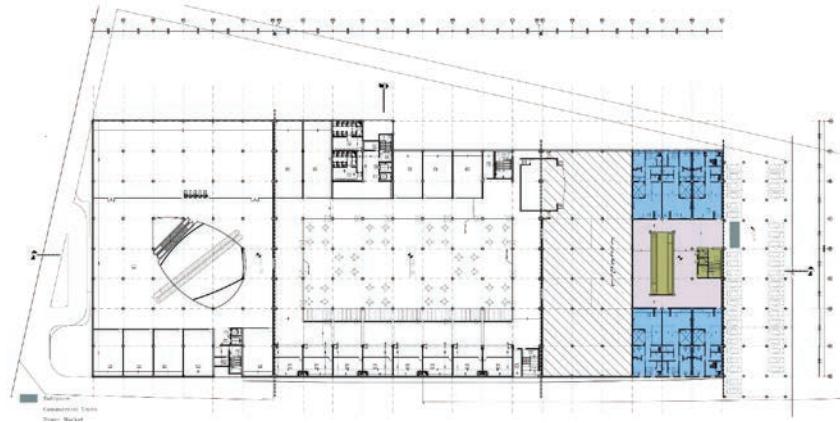
First Floor Plan

First Floor Parking Plan

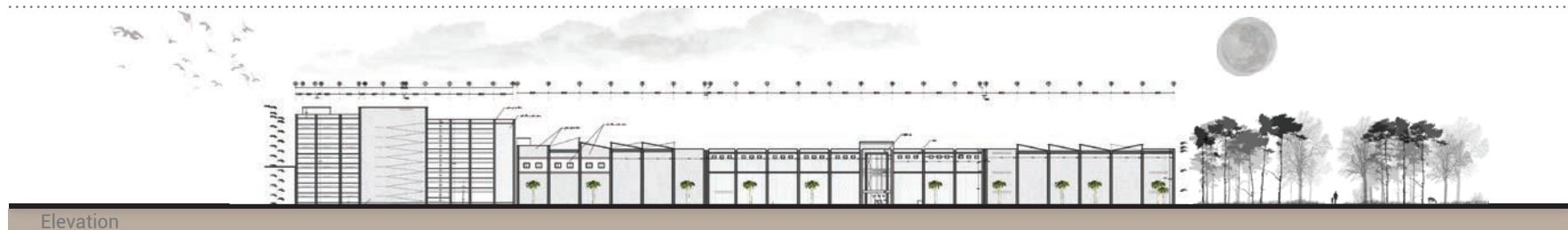
Floors	Parking Unit	Parking Area	Commercial Area	playWorld Area	Hyper Area	Food court Area	roof garden Area	Circulation Area	Cinema Area	Service Area	Residential Area	Total
Ground Floor	37	6647	---	---	---	---	4069	---	134	---	---	10850
Ground Floor/1	41	---	---	---	---	---	---	---	---	---	---	---
1st Floor	14	2626.2	---	5940	---	---	2858.8	---	125	---	---	10850
1st Floor/1	39	---	---	---	---	---	---	---	---	---	---	---
2nd Floor	59	1738.3	1010	---	544	1538	4806.3	934	279	---	---	10850
2nd Floor/1	43	---	---	---	---	---	565	---	---	898	---	1463
3rd Floor	59	---	---	---	---	---	---	---	---	---	---	---
3rd Floor/1	43	---	---	---	---	---	---	---	---	---	---	---
4rd Floor	59	---	---	---	---	---	---	---	---	---	---	---
4rd Floor/1	40	---	---	---	---	---	---	---	---	---	---	---
5rd Floor	59	---	---	---	---	---	---	---	---	---	---	---
5rd Floor/1	43	---	---	---	---	---	---	---	---	---	---	---
6rd Floor	62	---	---	---	---	---	---	---	---	---	---	---
6rd Floor/1	43	---	---	---	---	---	---	---	---	---	---	---
7rd Floor	62	---	---	---	---	---	---	---	---	---	---	---
7rd Floor/1	43	---	---	---	---	---	---	---	---	---	---	---
8rd Floor	62	---	---	---	---	---	---	---	---	---	---	---
8rd Floor/1	43	---	---	---	---	---	---	---	---	---	---	---
Total		851	11212	1010	5940	544	1538	12299	934	538	896	34068



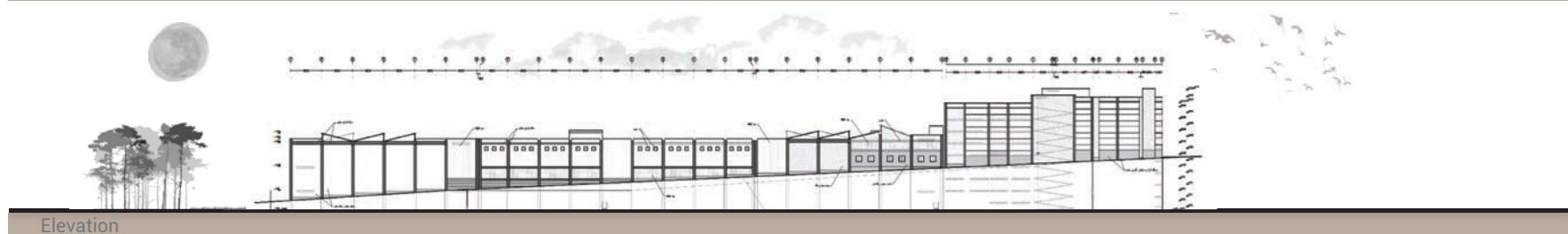
Second Floor Plan



Third Floor Plan



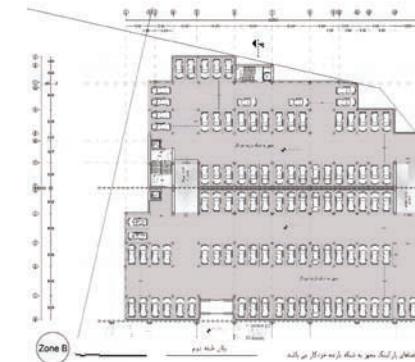
Elevation



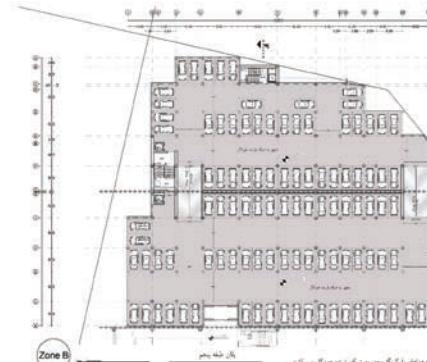
Elevation



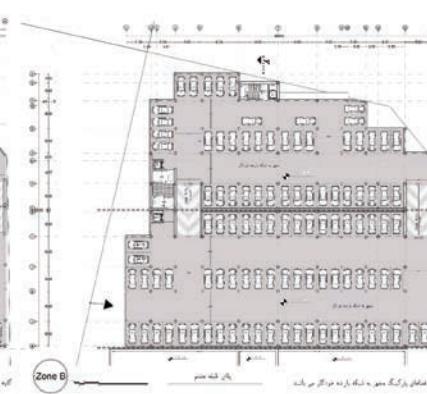
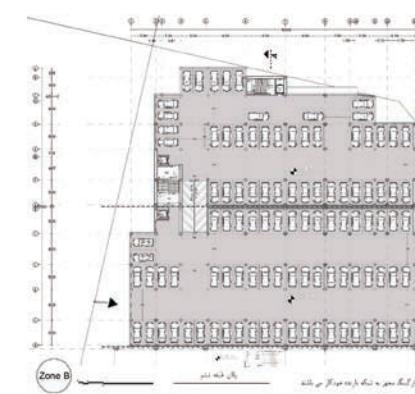
View



Second To Fifth Floor



Sixth To Eighth Floor



02

FAMILY RESIDENTIAL BUILDING

LOCATION : TEHRAN

**Introduction**

Based on the functionalist view and devoid of modern meaning, home spaces are divided into two public (collective) and private (individual) realms. Meanwhile, the type of organization of private and public spaces in the house and the way of communication between them is effective in the desire of the members of a family to be present in the family and also to preserve the personal privacy of the family members. It seems that excessive separation of private and public spaces in contemporary Iranian housing has led to the growth of individualism and threat to the intimate space of the home and the concept of family life.



view



Design Process

In this project, in order to improve interpersonal interactions at home, instead of the two separated realms of public (collective) and private (individual), a range of realms from individual to collective, including "solitude with acquaintances", "solitude with family", "solitude with family gathering" and "personal privacy" are considered; For example, in the realm of "being alone with the family", the possibility of personal activities such as reading, sewing, children's games, working with the computer, ironing., which do not require a lot of solitude with the family, is provided. Also, with the centrality of the concept of family in the definition of home, the collective realm (family) plays the role of central organizer for individual realms. This happens on the third floor with the center of the "family living space" and on the fourth (last) floor due to the proximity to the sky with the center of the "small yard for the presence of the family" and the other spaces of the house are organized around these centers.







Ground Floor Plan



View



First Floor Plan



Second Floor Plan



Elevation

First Floor Plan



Elevation

03

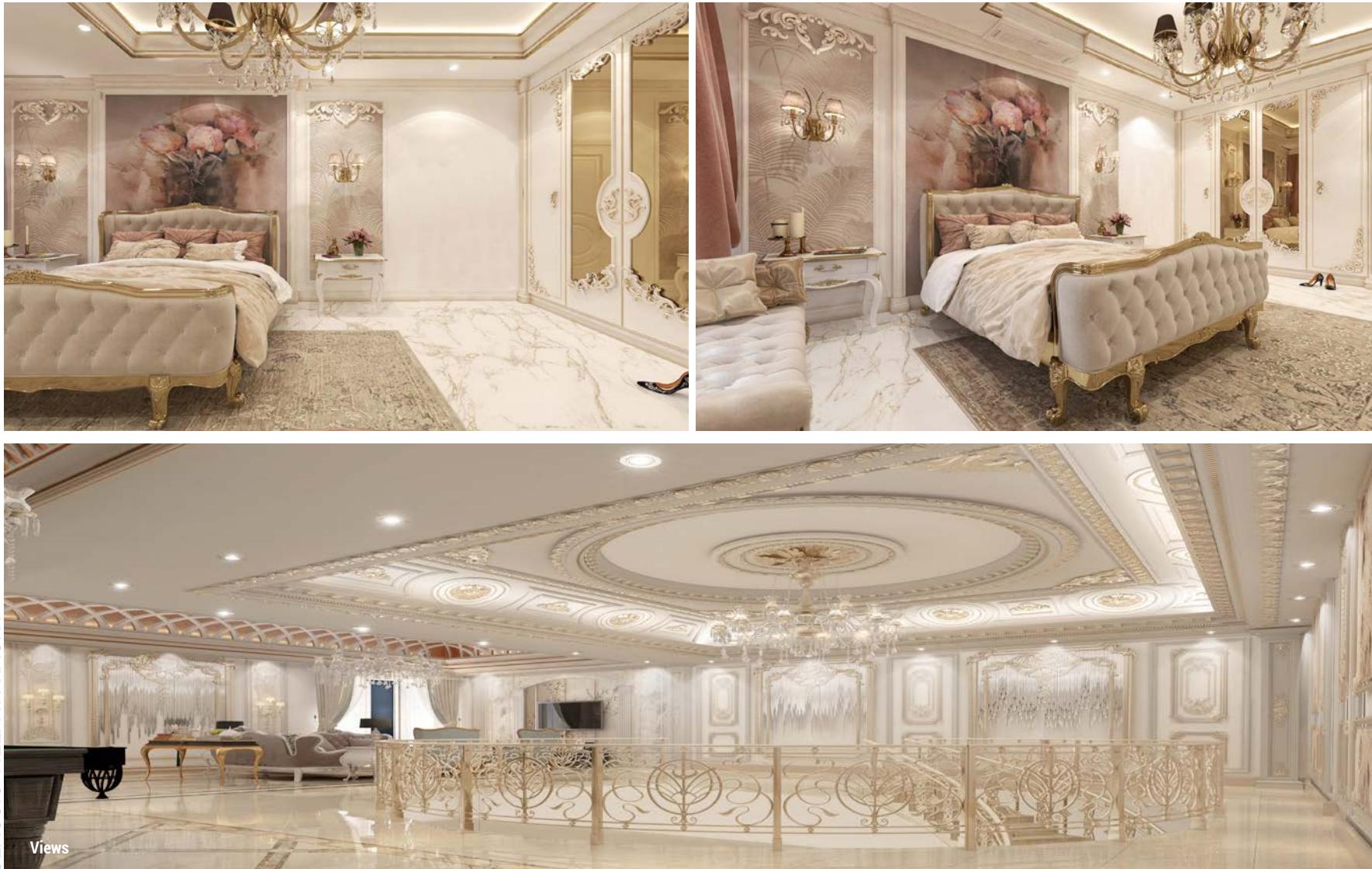
SOME PERSONAL

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VIS- UAL- IZA- TION

2018-2022

ONLY VISUALIZATION OF RECENTLY SELECTED PROJECTS







MODERN VILLA IN DAMAVAND

Views

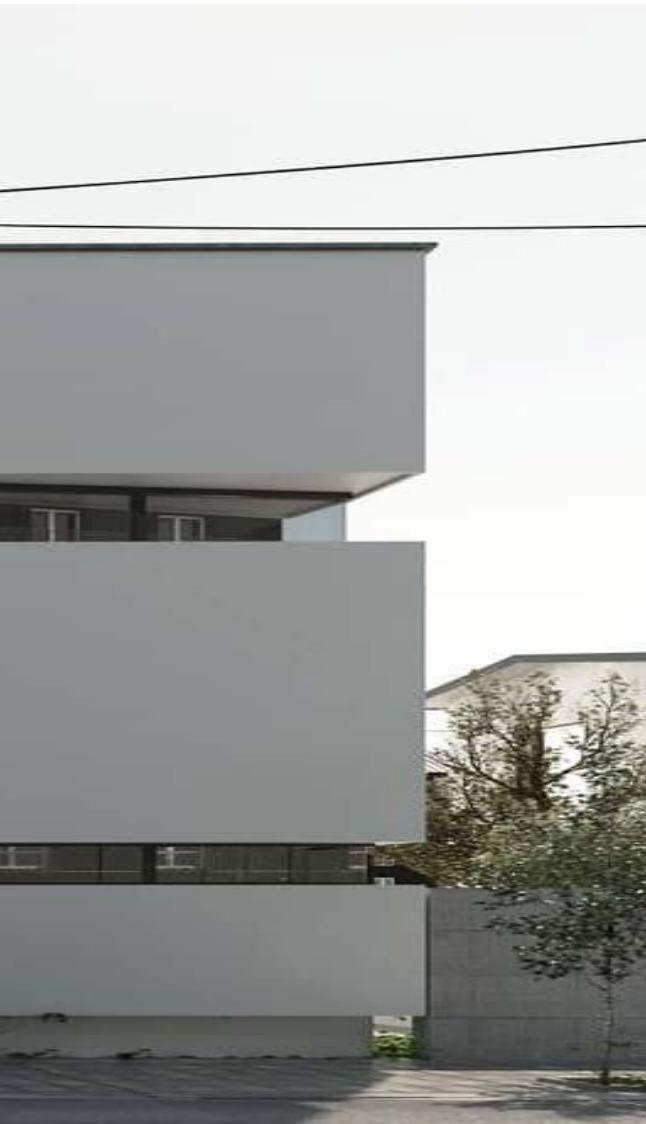


MODERN VILLA IN DAMAVAND

Views



MODERN VILLA IN DAMAVAND



MODERN VILLA IN DAMAVAND





RESIDENTIAL APARTMENT IN TEHRAN

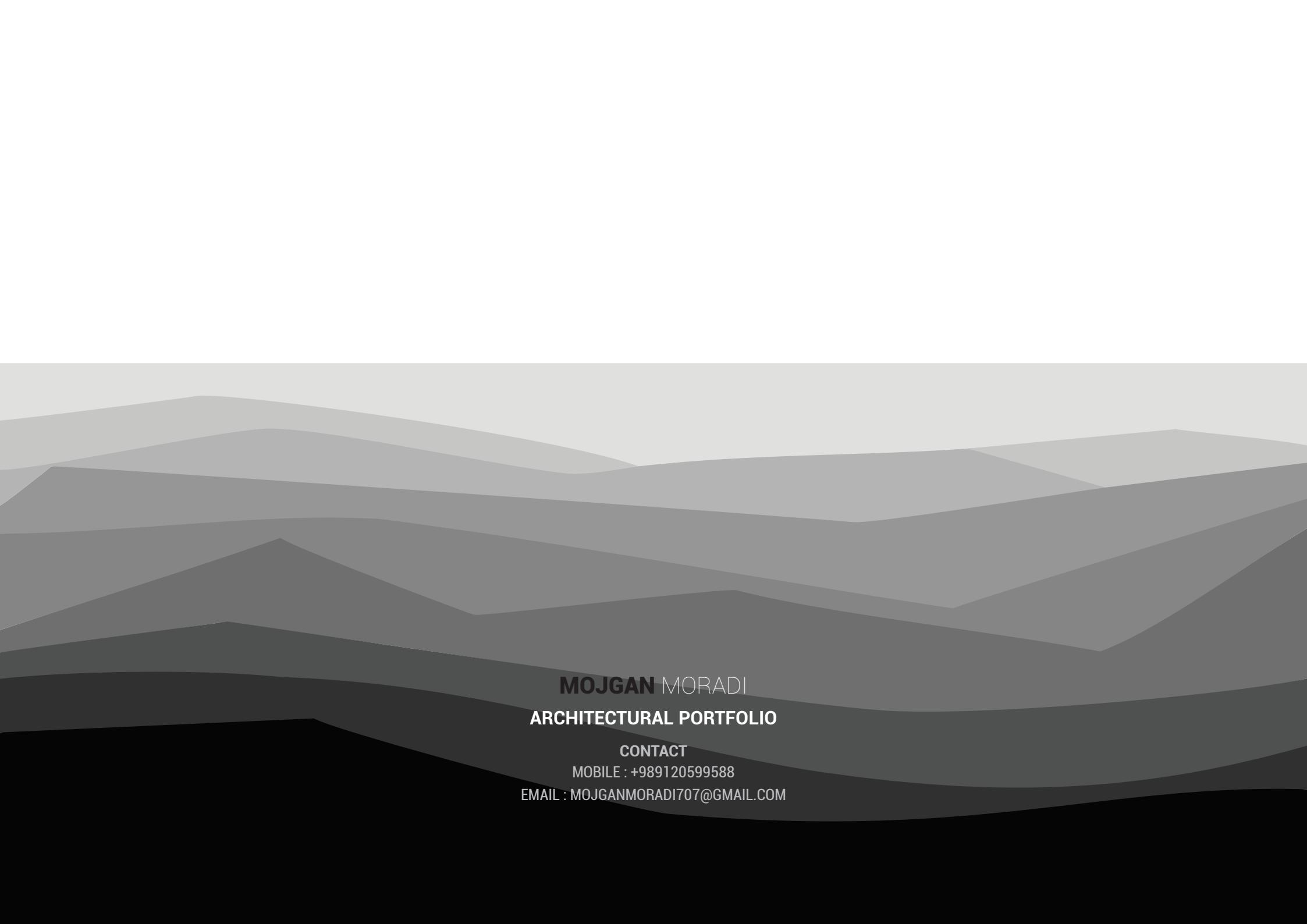


RESIDENTIAL APARTMENT IN TEHRAN



RAMSAR HOTEL





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