

PORTFOLIO

DESIGN

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تیم تخصصی کانون معماران و شهرسازان



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SEPIDEH BAYAT



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04

CINEMA COMPLEX

Project Name: Cinema Complex
Location: Isfahan, Iran
Year: 1395

The idea of designing a cinema complex in the heart of Isfahan city started by studying the characteristics of the city center where the movie theaters were in the past. The center of Isfahan is known for its historical monuments for selling fish and local products. The Municipality wanted to develop the area by creating a modern cinema complex. The buildings of the city and the historical monuments are the main attraction points. Each building has its own characteristics. The new cinema complex was designed with the aim of being a modern building that respects the historical monuments and the city's characteristics. The new cinema complex is a building which can be used for many purposes. The new cinema complex is a building which can be used for many purposes. The new cinema complex is a building which can be used for many purposes.



1. Organization of cinema complex

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The Municipality square, which is located almost in the center of Isfahan, was one of the first origins of the city. The complex of office and commercial buildings of Isfahan Municipality Square, were built in the early Pahlavi period with the aim of centralizing the administrative and commercial sectors and using European architectural and urban planning elements combined with Iranian architecture. The historic buildings located around the center are demonstrated on the map.

02

WOODEN SCHOOL WITH SIX CLASSROOMS

Academic project
Team members: Parsa Sami Khoftani, Sommayen Mostafapour
Location: Masal, Gilan province, Iran
2018

The aim of this project is designing a 6-classroom primary school that serves the local community. The site plan is located in the town of Masal in Gilan Province in Iran. Masal town is like a strip between the Alborz Mountains and the Caspian Sea, surrounded by forests and lowlands. Therefore, Humidity and the low temperature are the main features of the local climate.

The design process is considered according to Climatic analysis and the geography of the region. Adjacency to the neighboring forest and woodlands makes the wood as the dominant and local construction material.

Wood, as a local material is used in the structure of the building as well as the framework and other components. This makes the building in harmony with the surrounding natural environment.

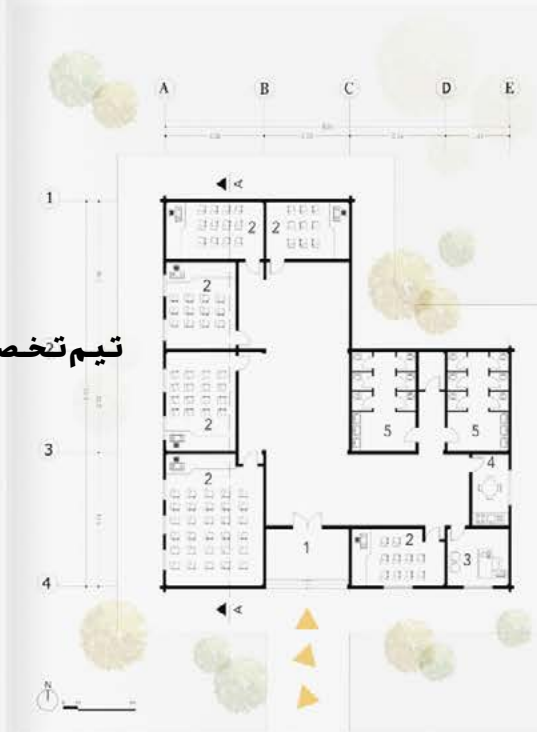


▲ Entrance of School

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Wooden School



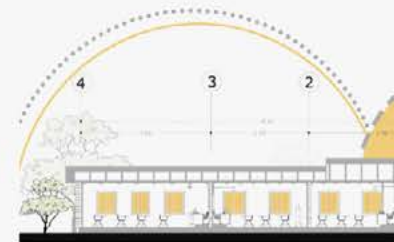
▲ Ground Floor Plan

Wooden School

Space Configuration

The building is located above the ground level to prevent moisture. The airflow in the space between the floor and the ground allows the moisture to evaporate and allows the floor to stay dry and warm. Other than climate, considering the simple appearance and the local construction material has been the determining factor in choosing the materials and the design. Simplicity, avoidance of luxury and redundant decoration are the main characteristics of this region.

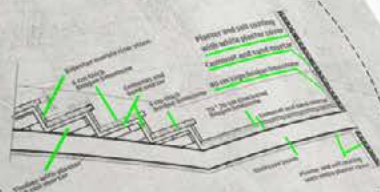
- 1- Entrance
- 2- Classroom
- 3- Office
- 4- Kitchen
- 5- WC



▲ A-A Section

Apartment A

TeamWork, Delta Architects
Project Status: Constructed
Location: Kermanshah, Iran



● Details
| Staircase |

● Section

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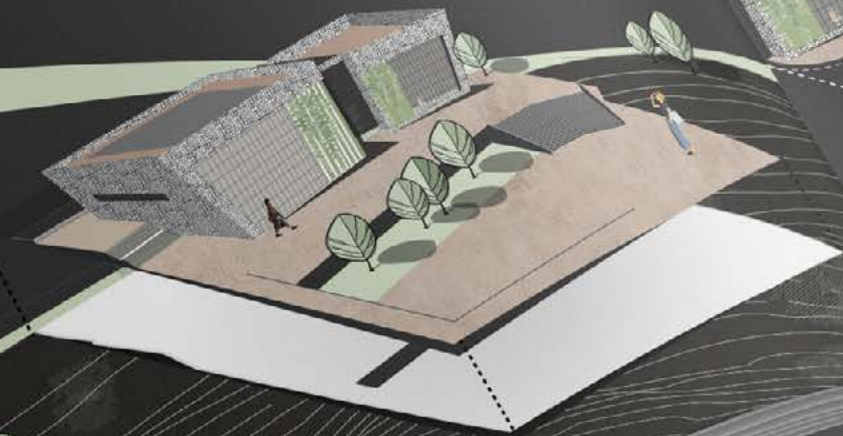
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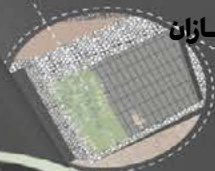
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MULTIFUNCTIONAL SPACE
The project was an answer for reduce air pollution in cities.
The site is located on a topographic land and connects from
one side to urban space.



Green wall



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CONCEPT



► **Concept:**
Prosolve370e is a decorative architectural module
that can effectively reduce air pollution in cities
when installed near traffic ways or on building
facades.
Green wall:
A green wall is a vertical structure covered with
vegetation. Essentially, a living cladding system,
instead of being adorned with climbing plants
rooted from the ground like in traditional green
facades, these provide a vertical growing surface
in the form of modular panels, tray systems or
freestanding walls.





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PROJECT 2



Investigation and analysis of wind effect.

We have analyzed the effect of wind on the volume in comparison with the simple volume of a simple rectangular cube: the wind can mainly intensify and reduce three phenomena: 1) creating a critical point in the corner 2) creating a positive pressure in the sides 3) The creation of negative pressure, such as the whole movement of air with tension on one side and withdrawal suction on the other side, occurs in places where the wind is blowing behind the building.

Failure to comply with these factors, which include aerodynamic factors and analytical analysis, greatly increases the construction cost and energy of the building, and affects the stability, resistance, and various dimensions of the building. First, because the tower is curved and does not have a corner point, it weakens the wind and therefore a critical point is not formed, secondly, regarding the positive pressure, because it is rotating at an angle towards the sky, it partly throws the wind into the air in every direction and passes and the third thing regarding the negative pressure, because the tower rotates approximately every 3 meters, the other flows pressure, because the wind passage one after the other, and the effect of the negative pressure reaches the lowest level. Since the atmosphere around the tower is very important, this factor is very effective in making the surrounding atmosphere breathable and improving the effects, that is, the wind just turns and goes.

Since the location of the project is in a place with beautiful scenery around it, we tried to make maximum use of this potential in the design process.

Regarding the negative pressure, the wind can mainly intensify and reduce three phenomena: 1) creating a critical point in the corner 2) creating a positive pressure in the sides 3) The creation of negative pressure, such as the whole movement of air with tension on one side and withdrawal suction on the other side, occurs in places where the wind is blowing behind the building.

The interaction of the positive and negative pressure in the wind can mainly intensify and reduce three phenomena: 1) creating a critical point in the corner 2) creating a positive pressure in the sides 3) The creation of negative pressure, such as the whole movement of air with tension on one side and withdrawal suction on the other side, occurs in places where the wind is blowing behind the building.

The final location of the building is at the place where the wind can mainly intensify and reduce three phenomena: 1) creating a critical point in the corner 2) creating a positive pressure in the sides 3) The creation of negative pressure, such as the whole movement of air with tension on one side and withdrawal suction on the other side, occurs in places where the wind is blowing behind the building.

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structural system. The corner angles of a triangle cannot change without an accompanying change in the length of the edge. Therefore, in order to enhance a triangle's strength, its edge must contract, turning it into two triangles and making it stronger.



PROJECT 1



The building is a multi-story structure with a complex facade, featuring a mix of glass, concrete, and greenery. The design is characterized by its verticality and the integration of nature into the urban environment.

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South Elevation

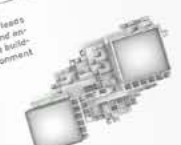
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The use of algorithms and parametric modules leads to a more rational design of the project. Solar and solar panels are installed on the facade of the building to moderate the light entering the environment and creating a circular energy cycle.



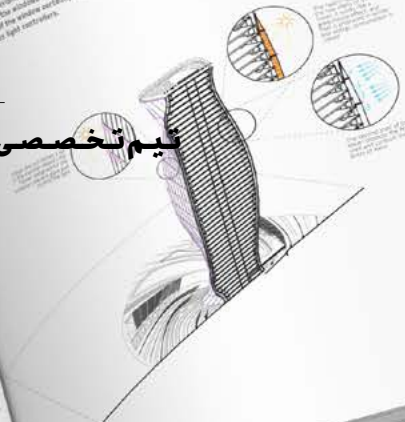
PROJECT 2



The orientation of the building is not based on the sun, as is usual. It says that the sun will have a double-thin facade, and the first floor is suspended and provides the second floor with the unventilated penetration of air and the third floor that enters the windows of the building. It reduces the heat and it can be a source for heat. In addition, there is also the issue of the building's heat, but in addition to these issues, the building is not in the exterior, and it is not through external shading, and it is not the heat and radiation that will enter the building.

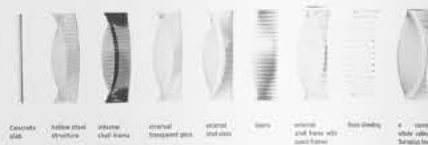
The area of two stacks to reduce the wind penetration into the building. In addition, it can be a source because when the wind passes through the first glass, it creates a greenhouse effect between the two glasses and the second glass is a lot of concrete glass surface, the problem of glare and penetration is very important. To reduce the problem, two canopies on the building, one after the other. It becomes light... these small canopies and the window is the window of old building architecture.

- The whole area of the window actually brings more sunlight into the space and the greenhouse effect is when it is in the light controllers.

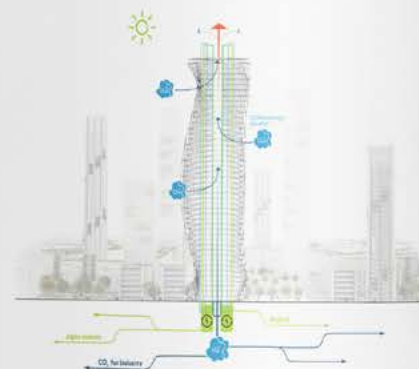


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PROJECT 2

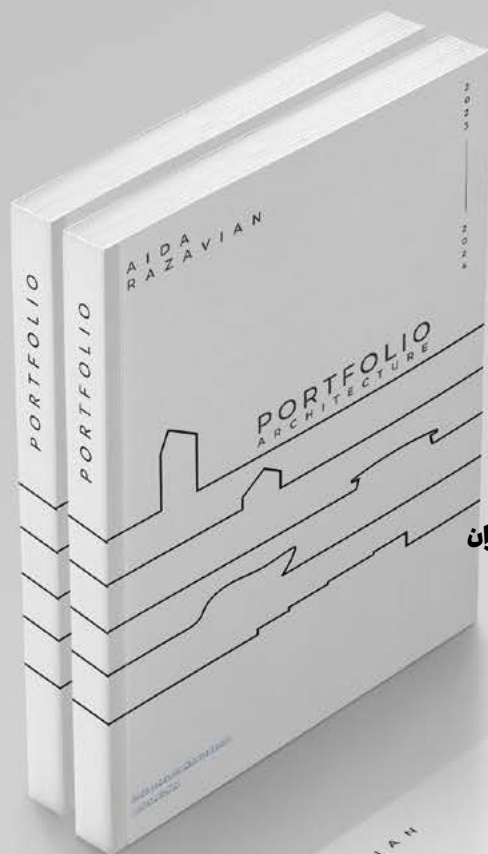


The unique issue of the form of the shell of this tower is a manifestation of a mature behavior; so that when we stand in front of one side of it, we see 2 boundary height lines of the tower, one as a curve and the other as a straight line, but with a change from another angle, we realize that the straight line is the real line in the other section. In the same way, the design of this tower keeps the



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MY-UFO



The My-UFO is a functional sculpture (gadget) that catches everyone's attention when it is on and of at the same time. The fluid and dynamic form of this product is derived from the simulation of the planet Saturn and also has its roots in the past, so that so far this kind of feeling of dependence on an object of inanimate objects. In other words, it can be said that it is a form of tomorrow.

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Gadget name is "My-UFO" which tries to express the balance between originality and inauthenticity, between nature and artificial, between smoothness and roughness and between stagnation and dynamism... The entire system of this gadget is based on the cycle of clean energy, so that in each of our elliptical circuit panels, there are small solar cells and they are the power supply of our product.



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PROJECT 6

The idea stemmed from the children's desire to make abstractions of special human shapes with pieces of wood and utensils. With its components, individuals can get closer to themselves and better understand themselves, and eventually get closer to a human being who can communicate with them, rather than just a piece of dry wood.

Magnet

In accordance with the ergonomics of the children's body

to maintain safety, create grooves in the base to maintain balance and create more friction between the two surfaces and maintain it by magnets

Suggested connects of bases to the seats:
1. Using wood glue
2. Bolt mode
3. Joggle joint

CHAIR COMPONENT

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CHAIR COMPONENTS



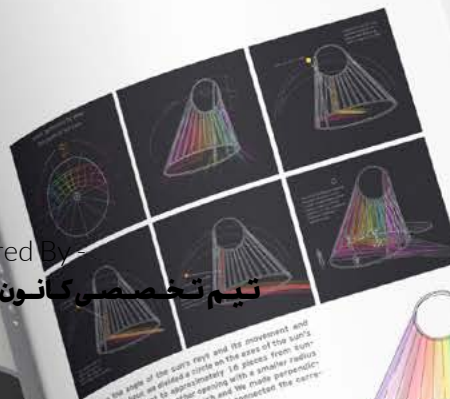
The chairs have been created to be ergonomics and comfort in mind. The round backrest guarantees that the user's backrests are comfortable. The reclining angle of the chair is ideal for a relaxing position. Armrests allow the user to comfortably rest their arms while not obstructing their overall form. The enactive Chair's seat height and sitting position can be made to accommodate children of various body shapes.

PROJECT 9



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Based on the angle of the sun's rays and its movement and
position to the wall, we divided a circle on the axis of the sun's
ray to construct the wall. To approximately 16 pieces from sun-
ray divided into four equal groups and we made perpendicular
lines to the big circle on the ground and connected the corre-
sponding points in each circle to columns.



2
0
2
3
2
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2
4

06. Clothing design

I am proud to say that I have designed, handmade, and sewed all of my clothing designs myself. My clothing designs for young women are inspired by the beauty of everyday life and the lightness of airy colors. I believe that fashion should reflect the essence of everyday life, and my designs are intended to capture this in a wearable and practical way. I am drawn to the soft, subtle, and light, ethereal shades that evoke a sense of peace and tranquility, and I incorporate these colors into my designs to create clothes that are both visually stunning and uplifting.



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PAGE 53

Gallery, Library

different heights which are surrounded by elongated rectangular cube north glass so that enough light enters the complex.

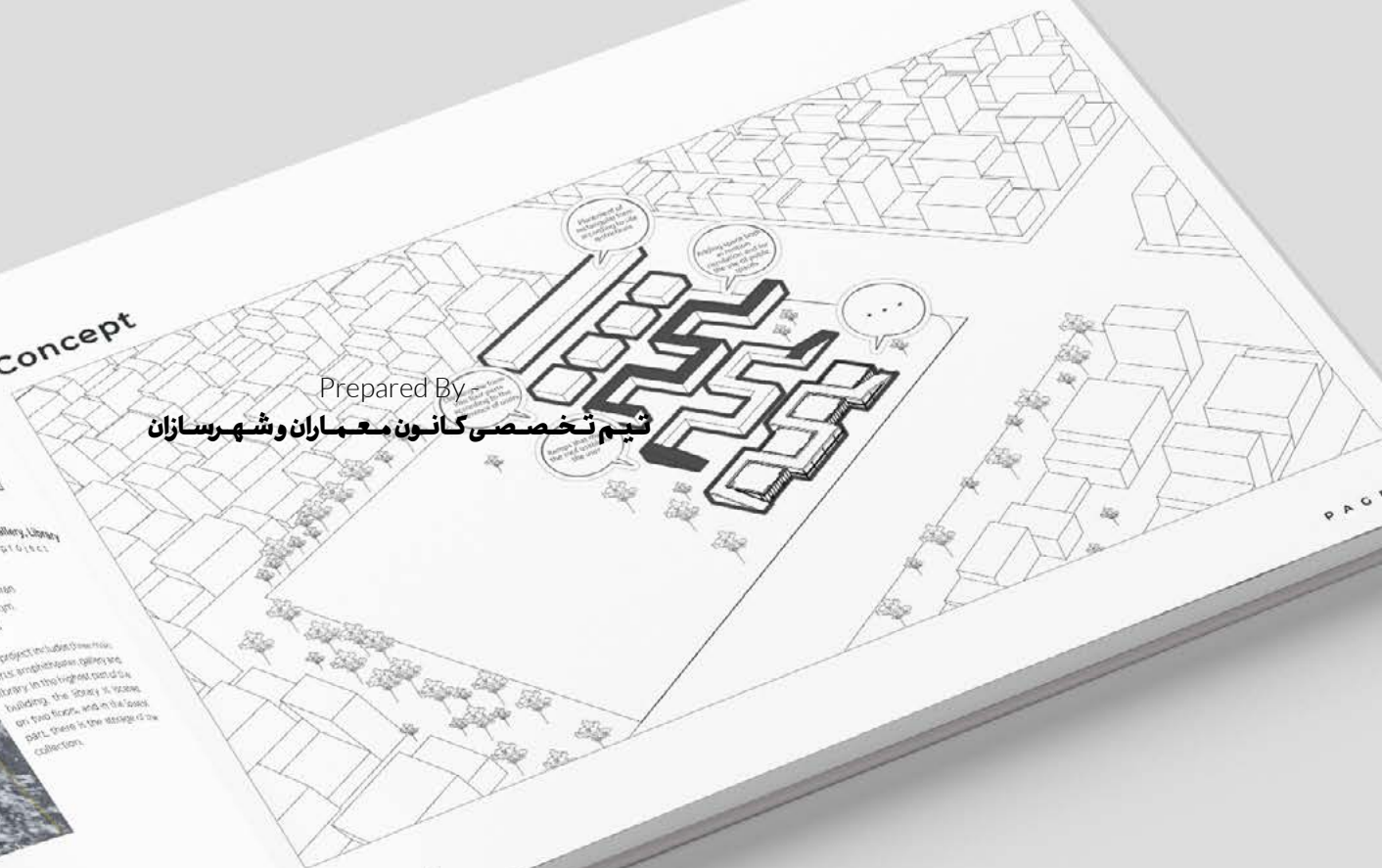


Amphitheatre, Gallery, Library
Academic Street

Location: Iran
1600 sqm
2018

The project includes a museum, part of amphitheatre gallery and library in the highest podium building, the library is raised on two floors and in the last part, there is the storage of the collection.

Concept



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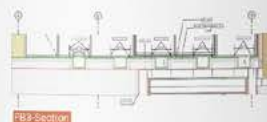
3D South View Of Building

Your Heading Here

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Slope roof details



FB3-Section



2

Ground Floor Plan

- 17. TV Room
- 18. TV Room Terrace
- 19. Sauna
- 20. Dry Sauna
- 21. Sauna Terrace
- 22. Pool
- 23. Pool Closet
- 24. Pool WC
- 25. Pool Bath
- 26. Corridor



The importance of green architecture in residential complex design

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THE DESIGN FITS THE PERSONALITY

Street Plan Plan

Block A1

Block A2

Block A3

Block A4

Block A5

Block A6

Block A7

Block A8



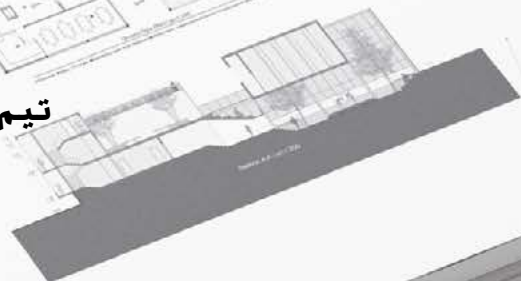
PROJECT 3



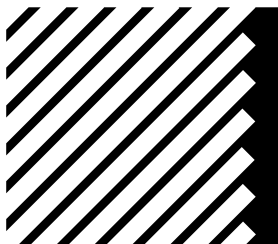
ABOUT CONCEPT



Entrance scenario
 A: Common entrance - a sense of isolation from the society
 B: Alternative - The meaning of the entrance changes and the entry occurs along a passage. Along this, a pleasant public space for gathering could be made.
 At the moment of entering, there is no difference between the main audience and the general public which dealing with the entrance space. In fact, the entry of all kinds of people is the result of an decision along a passage.



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