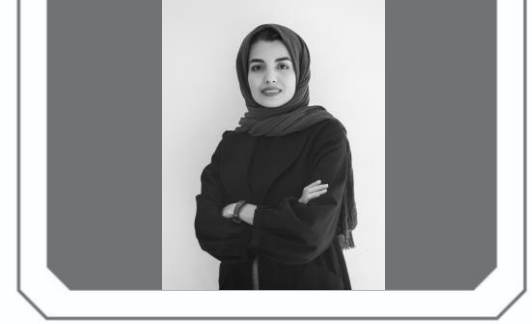

FATEMEH SHOKRI

Architect-Designer

EDUCATION:

2012-2016
Darolfonoon University
Architecture

2018-2021
Imam Khomeini International University
Master In Architecture

SKILLS:

Architectural Design
Parametric Design
RhinoCeros 3D
Grasshopper 3D
Lumion
V-Ray
Keyshot
Photoshop
Autocad

EXPERIANCE:

2018-2019
TA At Iran Architecture Center

2019-2020
Teacher At Iran Architecture Center

2019-2021
Teacher At Studio Memari

2021
Architectural Designer At Hamoun Studio

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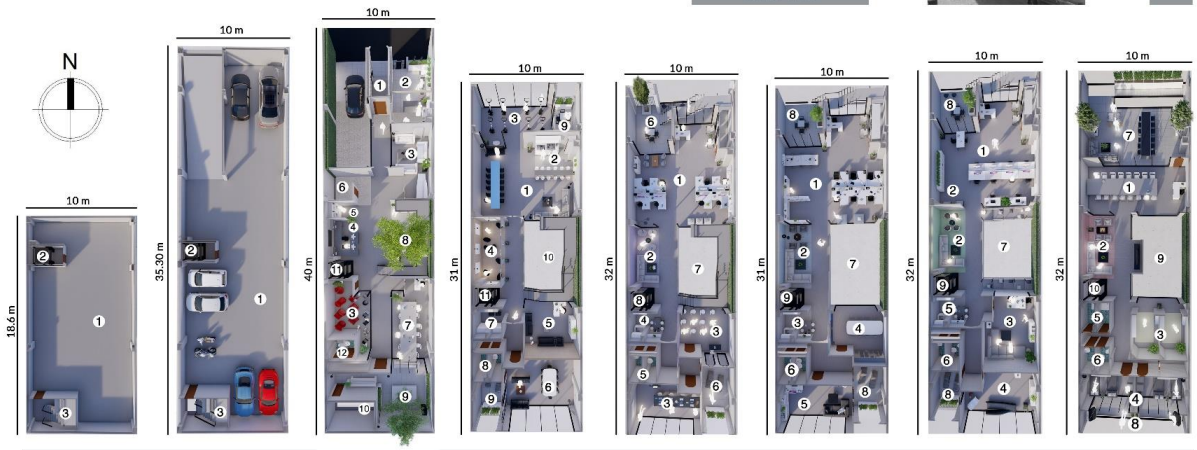
FATEMEH SHOKRI

A HOME FOR WORK

A home for work is the name of an office project designed to improve and increase employee productivity. In this project, which is an architectural office, in addition to paying attention to increasing the efficiency and effectiveness of people during the work time, attention has also been paid to providing a sense of comfort, convenience and satisfaction of the people with the environment. In other words, a home for work project is an attempt to provide a work environment that evokes a sense of home in people and the same amount of sense of belonging and satisfaction for people.

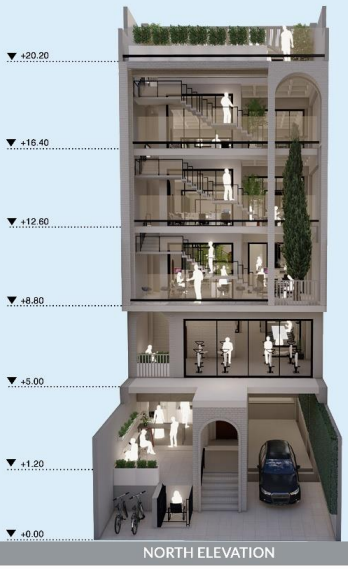
SITE PLAN

SITE LOCATION



BASEMENT 2	BASEMENT 1	GROUND FLOOR	FIRST FLOOR	SECOND FLOOR	THIRD FLOOR	FORTH FLOOR	FIFTH FLOOR
1.Facilities 2.Elevator Lobby 3.Staircase	1.Parking 2.Elevator Lobby 3.Staircase	1.Entrance 2.Cafe 3.Show room 4.Reception 5.ATM 6.Storage 7.Coworking Space 8.Central Yard 9.South Yard 10.Stairbox 11.Elevator 12.Wc	1.Dinning Hall 2.Kitchen 3.Sport Room 4.Brain Storm Tunnel 5.Reception 6.Metting Room 7.Tea Kitchen 8.Wc 9.Terrace 10.Void & Staircase 11.Elevator	1.Administrative 2.Flexible Zone 3.Class Room 4.Tea Kitchen 5.Wc 6.Terrace 7.Void & Staircase 8.Elevator	1.Private Design Studio 2.Flexible Zone 3.Tea kitchen 4.Meeting Room 5.Management 6.Wc 7.Void 8.Terrace 9.Elevator	1.Public Design Studio 2.Flexible Zone 3.Rose Room 4.Media Room 5.Tea Kitchen 6.Wc 7.Void 8.Terrace 9.Elevator	1.Coworking Place 2.Flexible Zone 3.Prayer Room 4.Recharg Zone 5.Shower 6.Wc 7.Roof Garden 8.Terrace 9.Void 10.Elevator

BLACK | WHITE STON | LAID BACK | WHITE

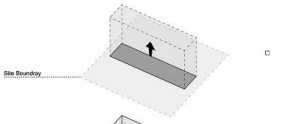


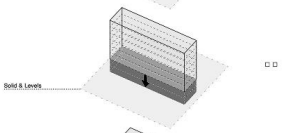
NORTH ELEVATION

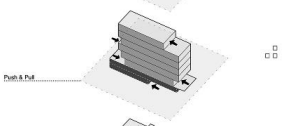
SOUTH ELEVATION

FATEMEH SHOKRI

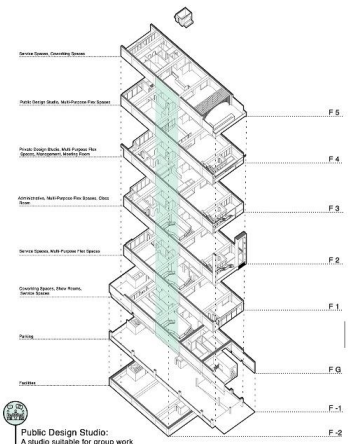
FORM DEVELOPEMENT







FUNCTIONAL



SECTION A-A

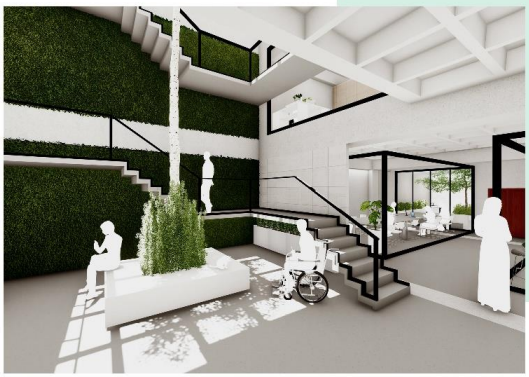
Public Design Studio:
A studio suitable for group work and requires participation and collaboration.

Private Design Studio:
A studio suitable for solo work and requires concentration and silence.

Sport Room:
A room designed for working out and has bicycles with the ability to generate electricity.

Brain Storm Tunnel:
A space designed for the exchange of ideas, consensus, planning and goal setting for projects.

BLACK
WHITE-STON
SILKTAN GREEN
WHITE



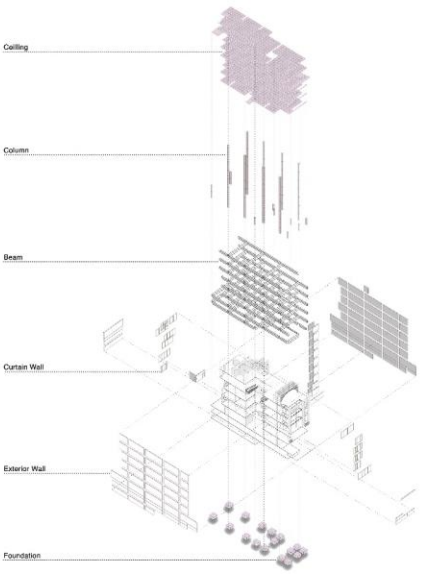
FATEMEH SHOKRI

SECTION B-B

VERTICAL CIRCULATION

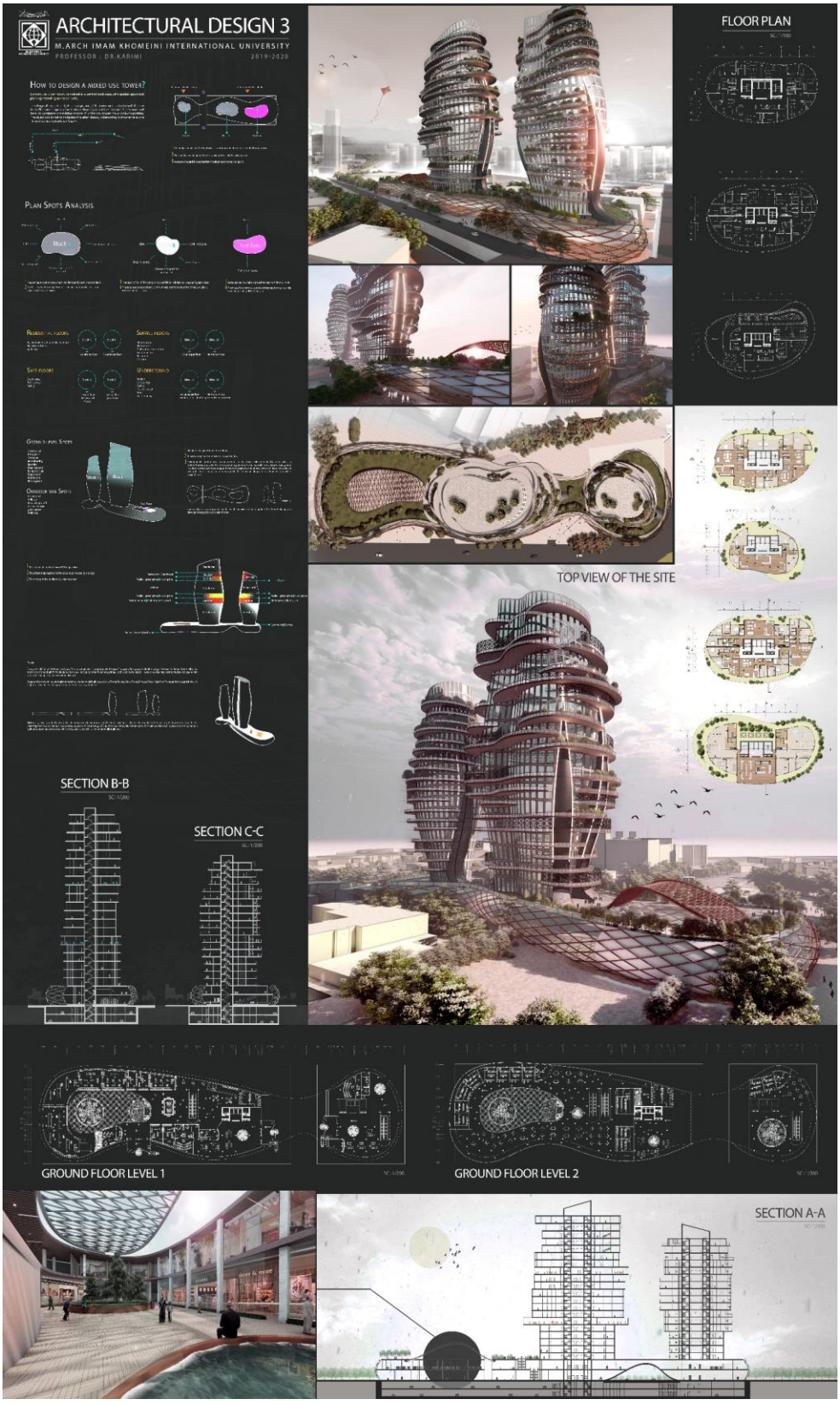
BLACK | WHITE TINT | GRING-CO | WHITE

STRUCTURE



SECTION C-C

FATEMEH SHOKRI



FATEMEH SHOKRI

Digital Fabrication

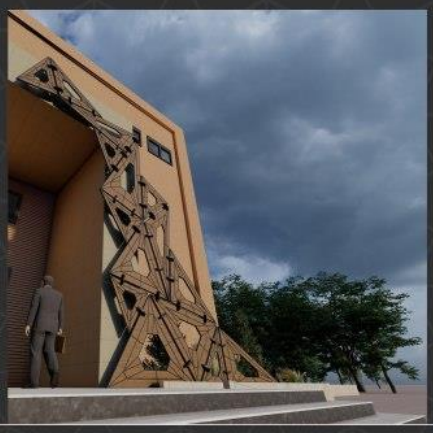
Tessellation

PROF. DR. EGHBALI

ARASH TOOTI- ARMAN AHMADI- ALI MOLANA- FATEMEH SHOKRI

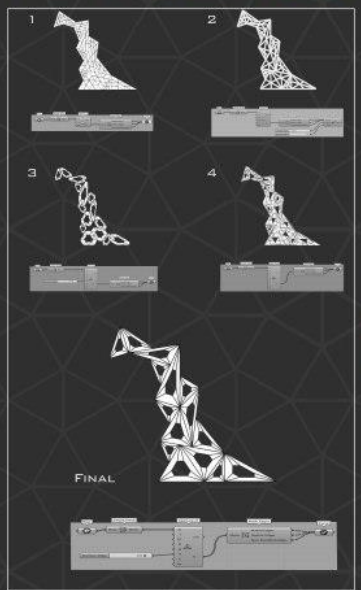
What are Tilings and Tessellations and how are they used in Architecture?

Tilings and tessellations are an important area of mathematics because they can be manipulated for use in art and architecture.
A tessellation is any repeating pattern of symmetrical and interlocking shapes. Therefore tessellations must have no gaps or overlapping spaces.
Tessellations are sometimes referred to as "tilings". Strictly, however, the word tilings refers to a pattern of polygons (shapes with straight sides) only.
Tessellations can be formed from regular and irregular polygons, making the patterns they produce yet more interesting.



Using of tessellation in surface design

tessellation can be used for many differrent purposes in architecture. we decided to use it in surface design for the entrance of architecture faculty of imam khomeini universiry.for this purpose the design had to be done by cad based process.



Surface design process in rhino

using rhino and grasshopper to make differrent altarnatives for the main surface of our facade

Pattern design process in grasshopper

using grasshopper plugin to make differrent altarnatives for the pattern that we wanted to use as the main facade

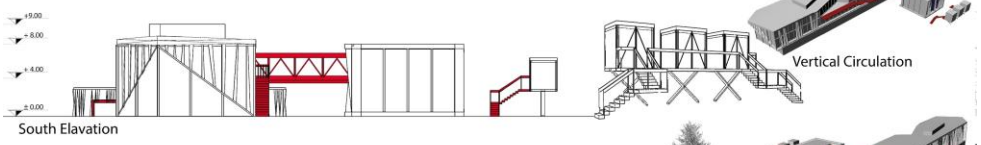
Joinment diagrams

in assembling process,each piece has two seams that the joinments get in to them and create the attachment between two panels. next step is attaching the surface to the main entrance gate of architecture faculty this step is reachable with the help of putting wooden dawels between our panels and the main body of entrance gate.

KEY EDUCATIONAL CENTER DESIGN

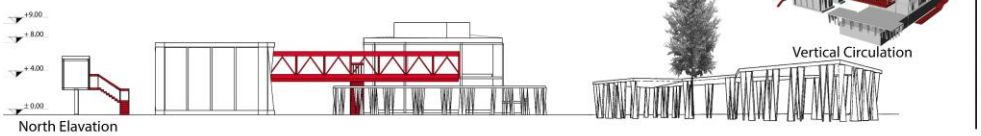
PROFESSOR : DR.EGHBALI STUDENT : FATEME SHOKRI - NIKOO KHODAEI- AFSHIN ZARINGHALAM

Proposed Structure



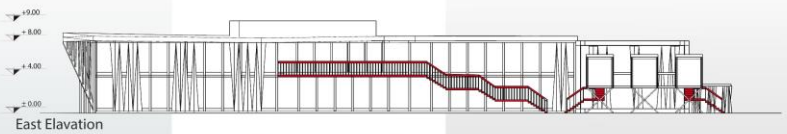
South Elevation

Vertical Circulation



North Elevation

Vertical Circulation



East Elavation

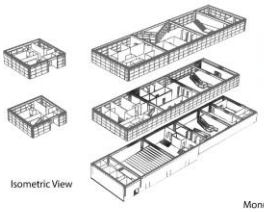
The rapid changes and increased complexity of today's world present new challenges and put new demands on our education system. There has been generally a growing awareness of the necessity to change and improve the preparation of students for productive functioning in the continually changing and highly demanding environ-

Site Plan

In confronting this challenge it is necessary to consider the complexity of the education system itself and the multitude of problems that must be addressed.

Section A-A

Section B-B



Isometric View

Monument

Green Space

Main Volume

Car Access

Pedestrian Access

Residential

Commercial

Educational

Educational

Lobby

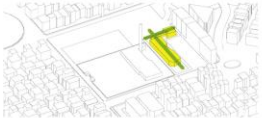
Library

Official

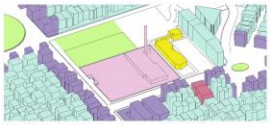
Enterance

Amphitheater

Service

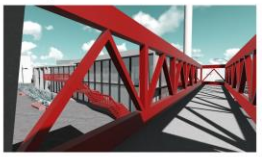


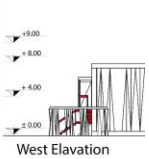
Volumes



Site Boundry

Existing Structures



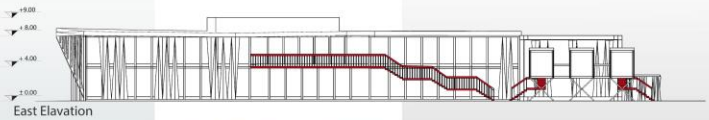


West Elevation

FATEMEH SHOKRI

ssary to consid-
ystem itself and
be addressed.

West Elavation



East Elavation

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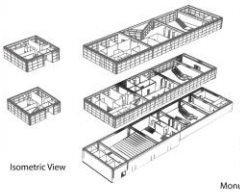
Site Plan



Isometric View

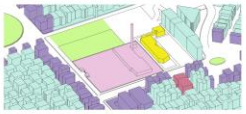
In confronting this challenge it is necessary to consider the complexity of the education system itself and the multitude of problems that must be addressed.

Section A-A

Section B-B

Educational
Lobby
Library
Official
Enterance
Amphitheater
Service

Volumes



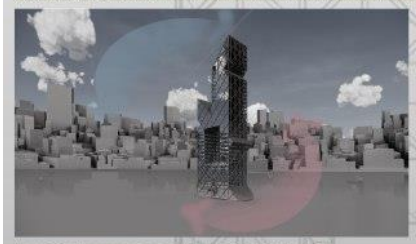
Site Boundry

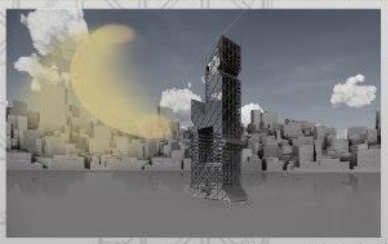
Existing Structures

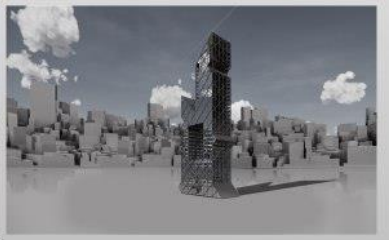
FATEMEH SHOKRI

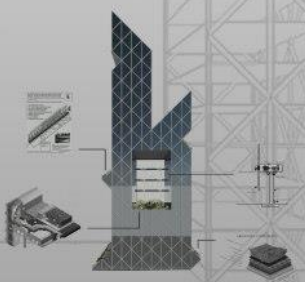
ASOU CENTER

STUDENT:FATEMEH NANSHEKARI
PROFESSOR:DR.KARIMI









Diagrid details

The diagrid structural system can be defined as a diagonal members formed as a framework made by the intersection of different materials like metals, concrete or wooden beams which is used in the construction of buildings and roofs.

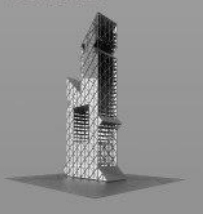
Diagrid structures of the steel members are efficient in providing solution both in term of strength and stiffness. But nowadays a widespread application of diagrid is used in the large span and high rise buildings, particularly when they are complex geometries and curved shapes.

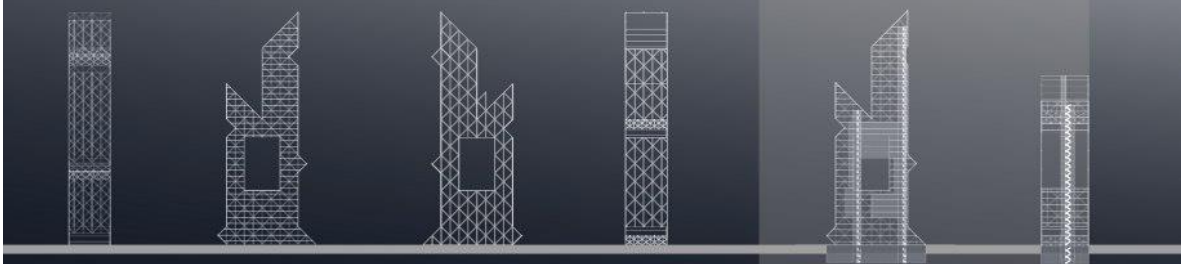
The nodes are the important part of the design of the diagrid system. All the diagonal sections are connected to each other by the help of nodes. These nodes are designed for two types of loads, vertical load and horizontal shear. These nodes are joined to the other sections by welding or bolting.

CORE

SLAB

DIAGRID

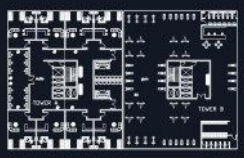




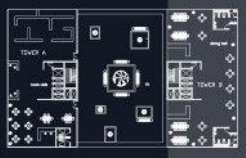
EAST VIEW | SOUTH VIEW | NORTH VIEW | WEST VIEW | SECTION 1 | SECTION 2

FLOOR 25
TOWER A : RESTAURANT

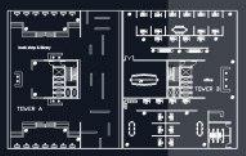
FLOOR 15
TOWER A : COMERCIAL
TOWER B : ADMINISTRATIVE



FLOOR 20
TOWER A : RESIDENTIAL
TOWER B : GYM



FLOOR 10
TOWER A : COMERCIAL
TOWER B : DINING HALL

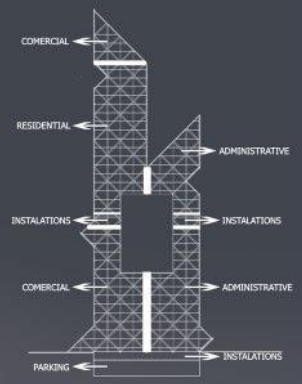


FLOOR 5
TOWER A : COMERCIAL
TOWER B : ADMINISTRATIVE

FLOOR 1
TOWER A : LOBBY
TOWER B : LOBBY

Tourbine detail

The ASOU CENTER has completed the construction of the two wind turbines that will generate electricity between it's twin towers. The ASOU CENTER design blends maritime aesthetics with the functionality of traditional wind-towers. The two wind turbines are horizontally supported between the towers by two, and will provide some parts of the electricity needs of both towers.



FATEMEH SHOKRI