

TAYİS KARAKÜTÜK
ARCHITECTURAL PORTFOLIO | 2021



Tayis Karakütük

Istanbul, Turkey

24 December 1996

tayiskarakutuk@gmail.com

Education

Mimar Sinan University of Fine Arts

2016 – 2021 ----- *Architecture*

GPA: 3.37/4.0 ----- *Bachelor's degree*

Kunstuniversität Linz, Austria

02.2019–06.2019 ----- *Erasmus Exchange*

Kadıköy Anadolu High School

2011–2016

GPA: 92.5/100

Experience

Design Architect

OSO Architecture&Interior Design

09.2021–01.2022

Plan§ion drawings, furniture detail drawings, 3D modeling, renderings

Lens Studio Tutor

Hub21

06.2021–09.2021

We create AR experience and improve STEM skills of tomorrow's young entrepreneurs.

Junior Architect

Anfora Architecture Restoration

Istanbul, Turkey

10.2020–12.2020

Restitution and survey drawing of Tahir Han (Architect: Vedat Tek) on a project term.

Office Intern

Kreatif Architects

Istanbul, Turkey

07.2020–09.2020

3D modeling, proposal of covering design and participation in Hagia Sophia contest.

Construction Intern

Anfora Architecture Restoration

Istanbul, Turkey

07.2019–09.2019

Restoration of an inn.

Office Intern

DZ Architectural Design Studio

Yerevan, Armenia

07.2018–09.2018

2D drawings, proposal of cabinet plans.

According to TriMetrix HD Report:



Behavioral Features:

Customer orientation, Human orientation

Motivators/Drivers:

Open to new ideas, Purpose focused

Awards

Imagine Taksim! Student Idea Competition

Incentive Award

2020, by İBB, İPA, BİMTAS

Responsible Architecture Transparent Space

Equivalent Award

2020, by Reynaers Aluminium Turkey

Kalebodur Photographs in the Archive Contest

Equivalent Award

2020, by Kalebodur

Rethinking Bauhaus Short Movie Competition

Second Place

2019, by UCTEA & Goethe Institut Ankara

TOG Digital Storytelling Competition

Incentive Award

2015, by TOG

Ashot'sk Ski Resort Competition

First Place

2018, with DZ Design Studio

Technical Skills

2D Drawing

AutoCAD



3D Modeling–Rendering

3Ds Max, vRay



Rhinoceros



Sketchup



Grasshopper



Adobe Creative Suite

Photoshop



Illustrator



Lightroom



InDesign



Video Editing

Vegas Pro



Certificates

3ds Max Course Completion

by Autodesk & Biladim Education Center

Design Process Webinar

by DAS Bilkent

Workshops

Responsible Architecture Transparent Space Online Workshop

Tutors from various universities

05.2020–06.2020

Lectures about social responsibility and glass facade systems have been given. Workshop finalized with competition amongst participants.

Gustav Oelsner Workshop

Mimar Sinan University of Fine Arts

10.2019

The 7–days workshop consists researching the work of German–speaking architects in Turkey.

Istanbul Photobook Festival

FUAM, Mimar Sinan University of Fine Arts

09.2019

The 2–days festival consists seminars and face to face photobook evaluations with international photobook curators. I took part as organizational assistant and translator.

Biomimicry for Designers

Veronika Kapsali

03.2019

The 2–days workshop consists designing a clothing object through biomimicry.

BASEhabitat Gleink Greenhouse

Kunstuniversität Linz

03.2019

In Steyr, Austria a greenhouse has been built. The workshop lasted one semester. I took part in designing the details of wooden roof and in construction process.

COCOON: A Computational Design Workshop

METU

09.2018

The 3–days workshop consists creating a project from the initial idea to the scripting, drawing, modeling and fabrication processes based on cocoon theme.

Çilek Furniture Design Hub Designing

ITU

02.2018

The workshop consists designing plans to experience a shop in various ways via design thinking methodology.

Spatial Perception Deformation: Analogue Photography and Digital Manipulation

TAK

05.2017

The 2–days workshop consists learning digital manipulation to emphasize the perception of a place and the ways to express this perception. Pictures are taken with analogue disposable camera and the manipulation has been made with Photoshop.

Languages

Turkish | Native

Armenian | Native

English | C1

German | B1

Interests

Photography

<https://www.flickr.com/photos/uzaydakisinek/>

Videography

vimeo.com/tayiskarakutuk

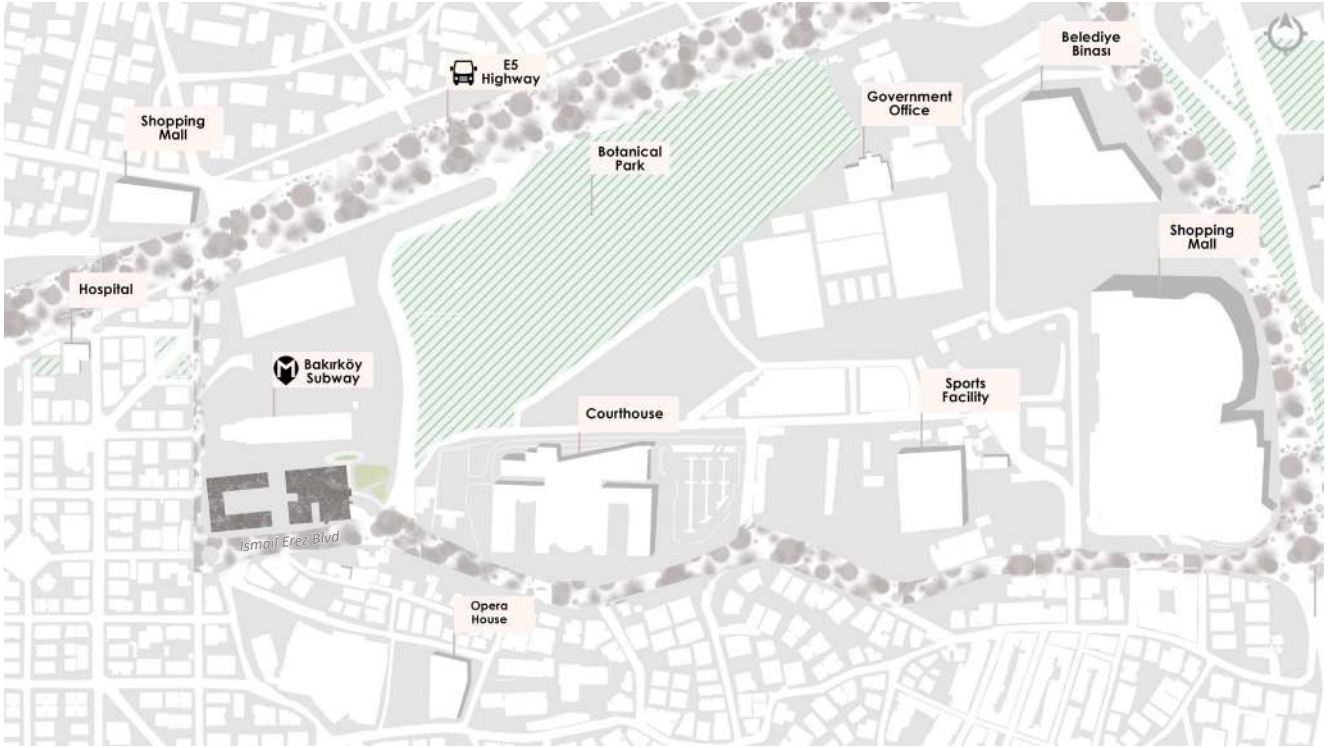
Drawing

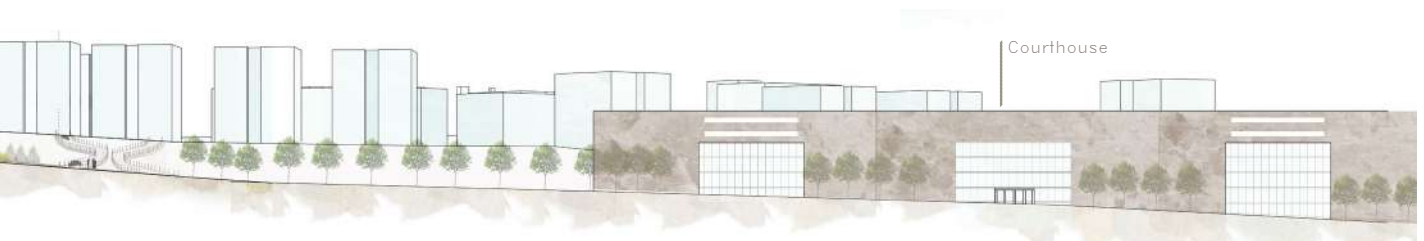
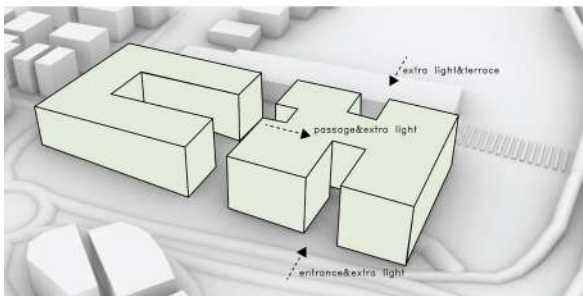
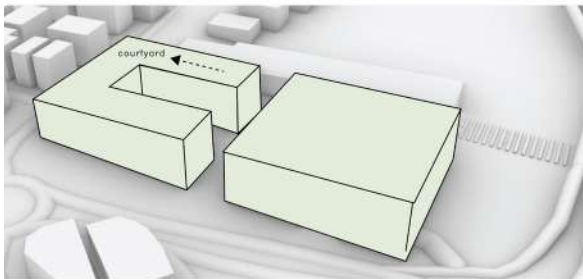
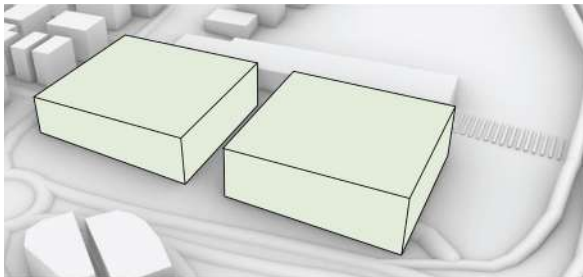
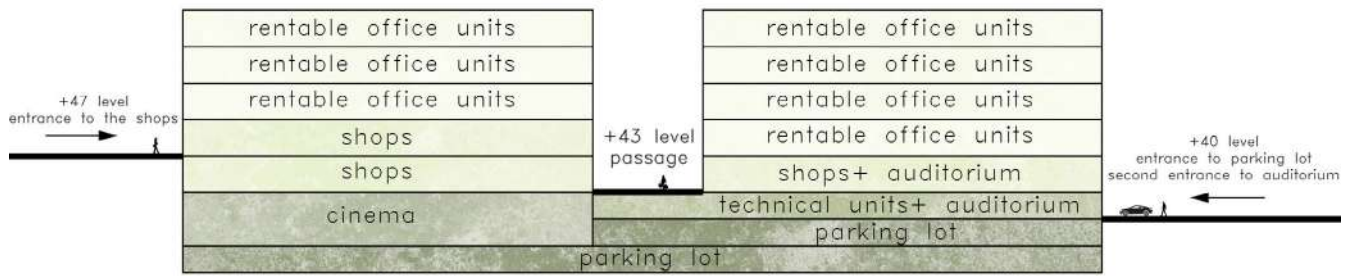
<https://www.instagram.com/linesoftayis/>

01

Location : Bakırköy, İstanbul
Category: Office–Commercial
Complex
Project Type: Individual
2020 Fall Term
Graduation Project

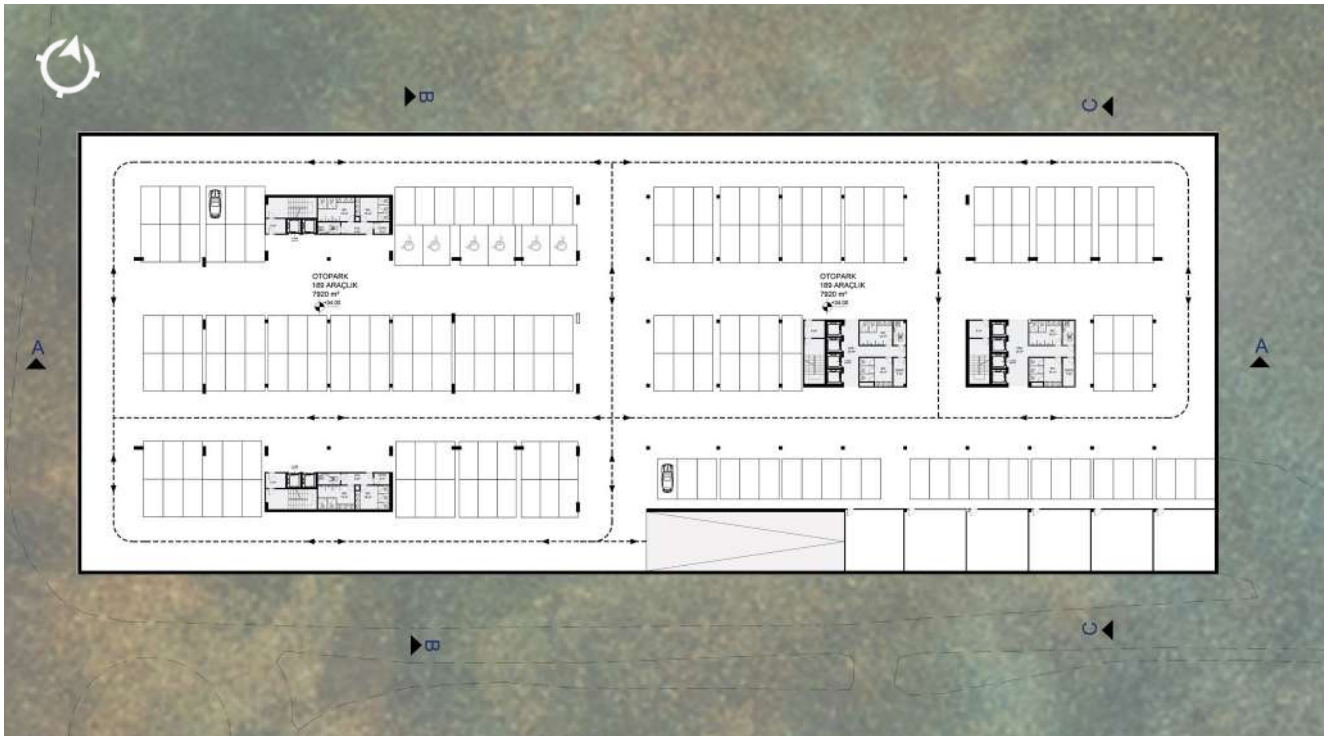
Project site is located next to the subway exit and courthouse. Complex contains a park, rentable shops, cinema, rentable law offices, exhibition, auditorium and parking lot. There is 7 meters elevation difference on the project site. The entrance to the court surrounded by shops is on +43 level. It is reached from the exit of subway with passing by the park. It is also possible to get in the Unit A from +43 and +45.50 levels. Unit B is reached from +42 level. Parking lot is reached from +40 level. Park plays role as separating the facade of subway from the complex. For the facade of the complex, movable panels are used for shadowing.



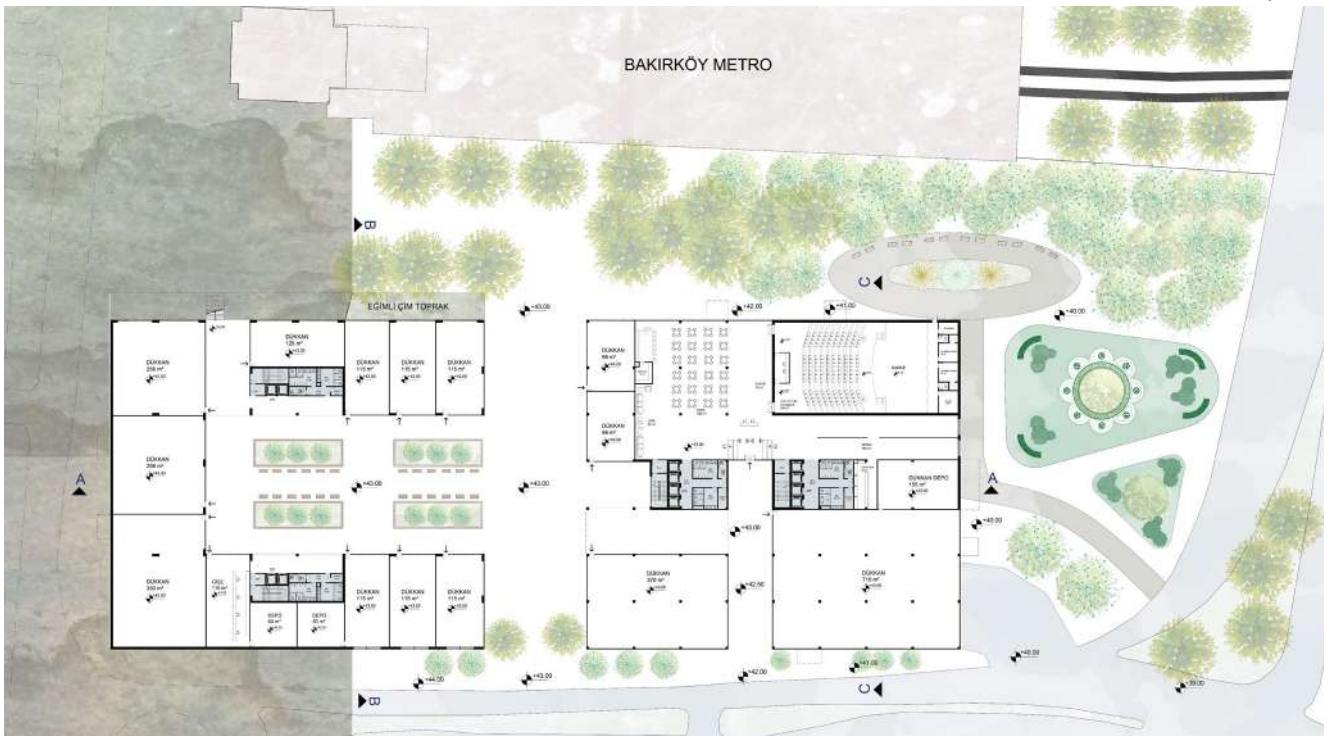








+34 level plan



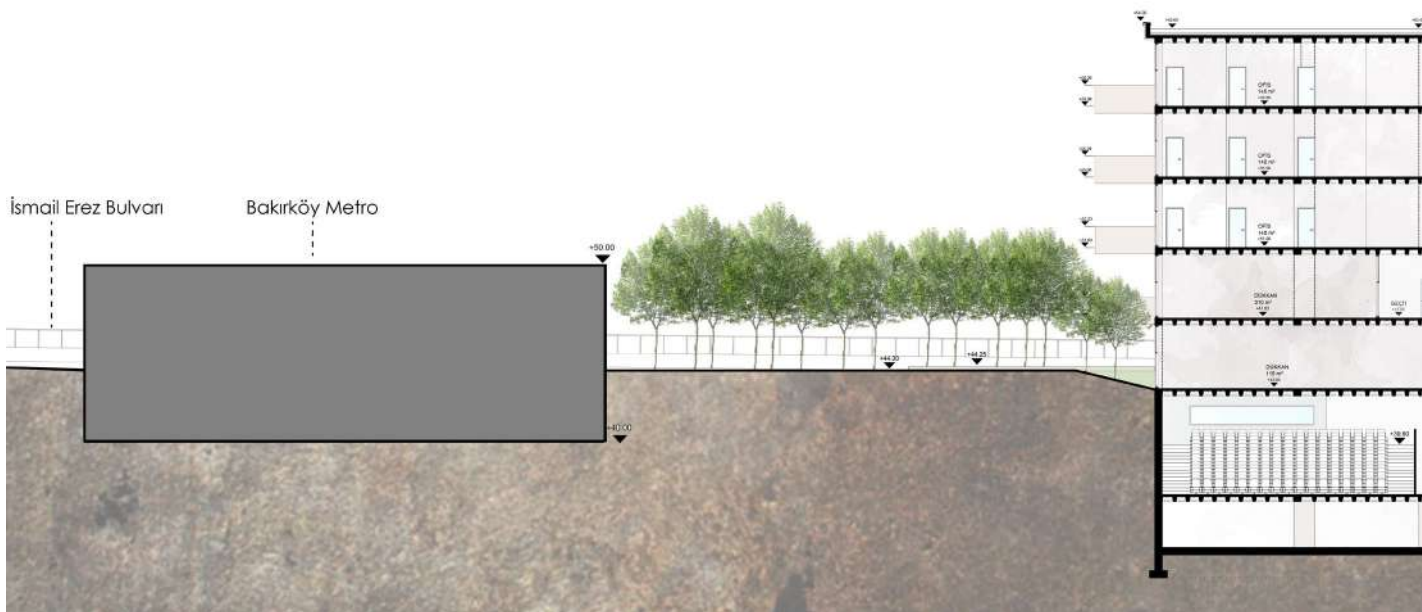
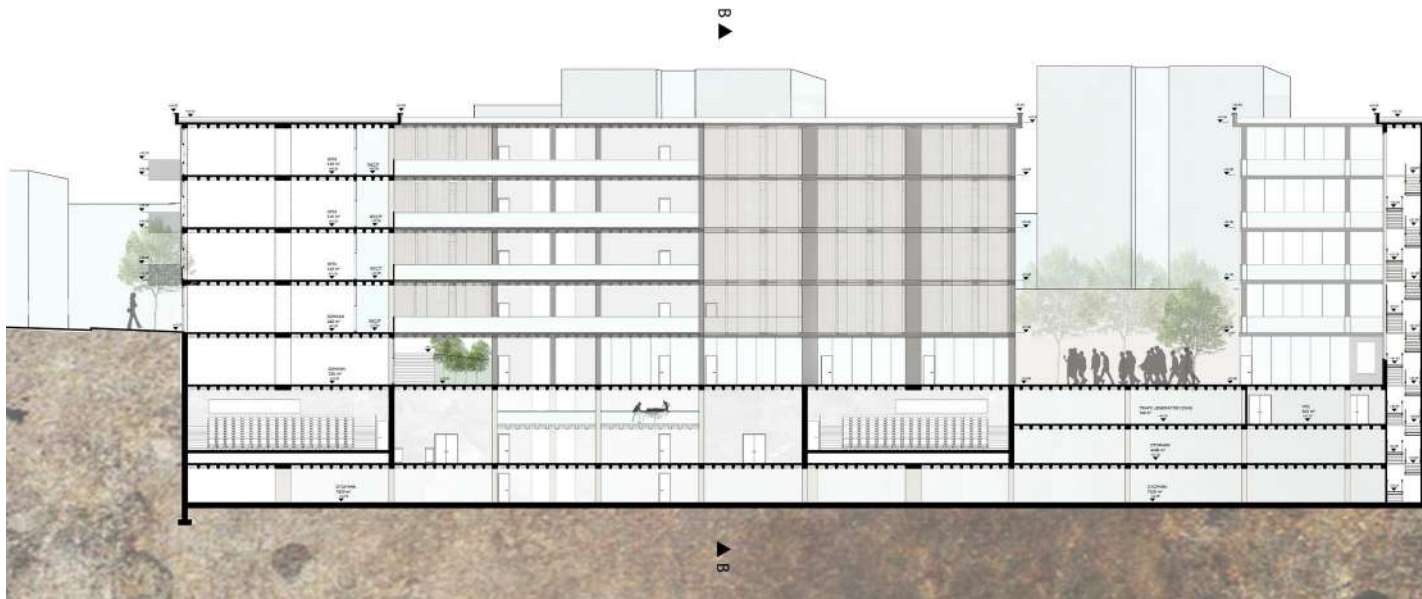
+43 level plan

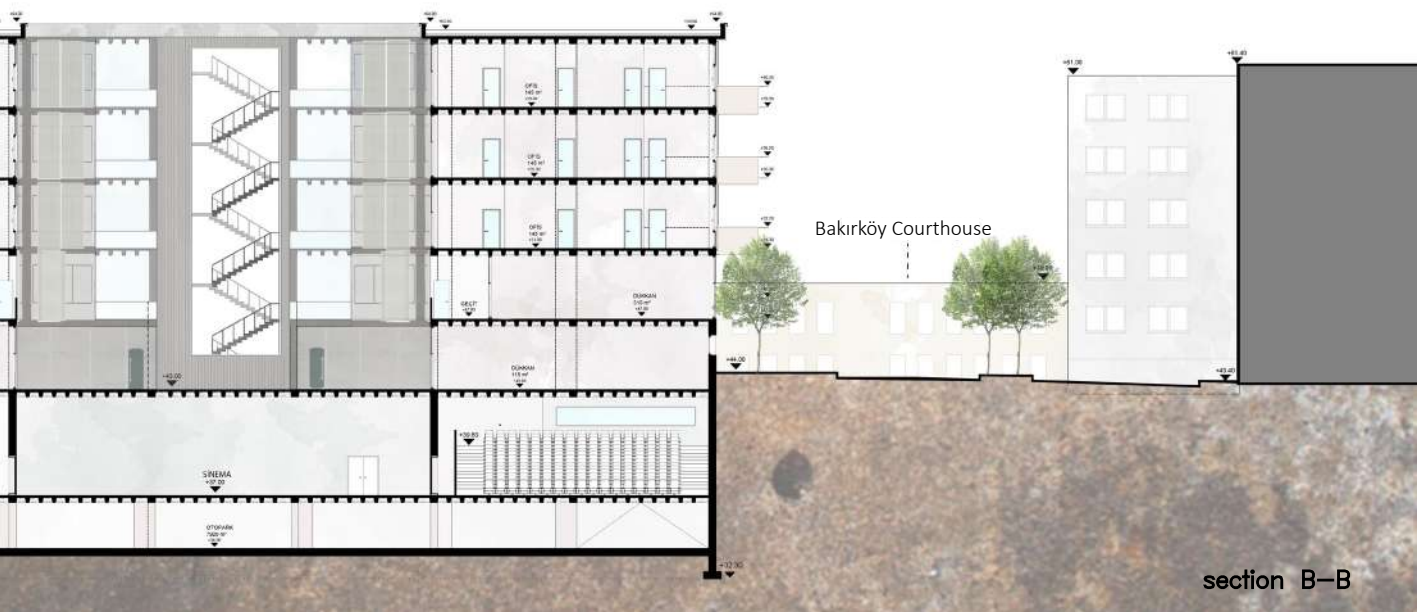
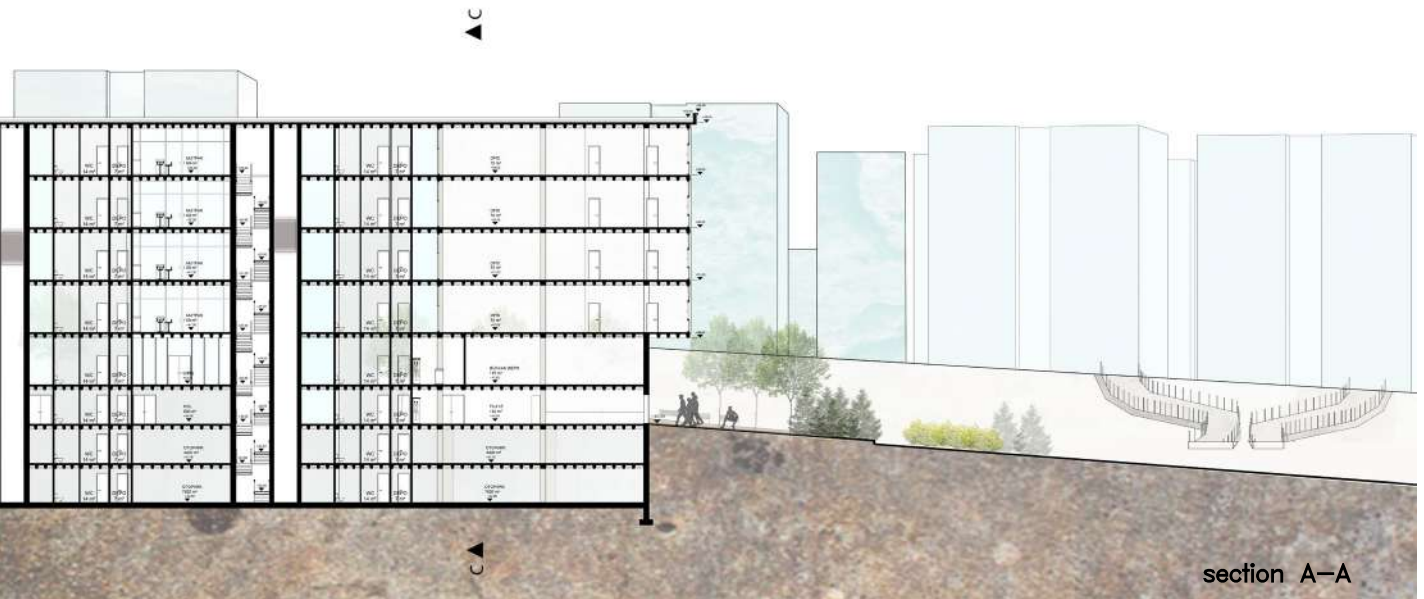


+47 level plan



rentable office units plan







NORTH ELEVATION

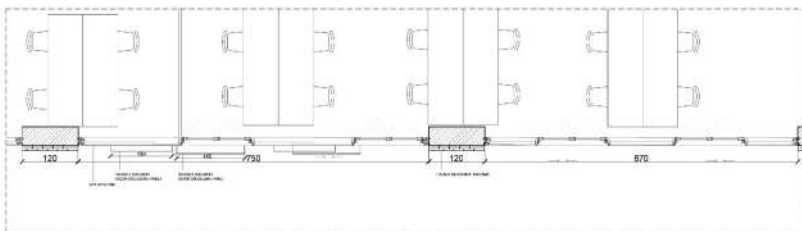


WEST ELEVATION



EAST ELEVATION

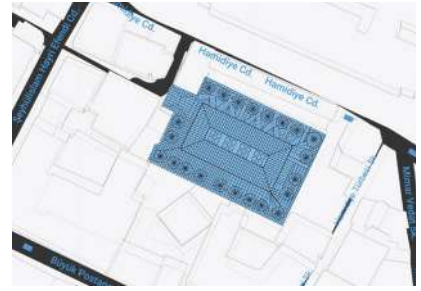
This architectural rendering shows the proposed building facade. It features a symmetrical design with a central vertical element, possibly a entrance or a decorative column, flanked by large windows. The facade is composed of a grid of windows, with some windows having dark frames and others being lighter. The overall style is modern and minimalist.



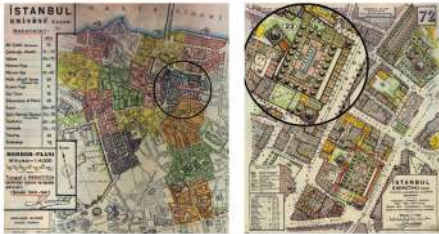
02

Location : Eminonu, Istanbul
 Category: Madrasa turned into Istanbul Mercantile Exchange
 Type: Group Project w/Selin Karamanoglu, Öykü Taçer
 2018 Fall Term&Spring Term Architectural Survey and Protection I&II

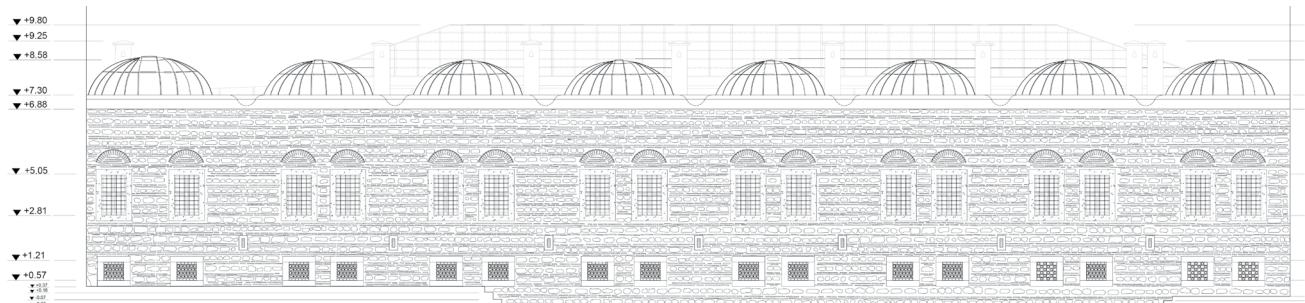
Hamidiye Madrasa is the structure of a complex built in 1780. Although the architect is not known, it is known that Hafiz el-Hac Mustafa Efendi was the building trustee. In 1926, the building was transferred to the Istanbul Commodity Exchange. During the course of the study, survey drawings and restitution process are documented.



1780 1918 1926 2020



Pervitch maps of studied area

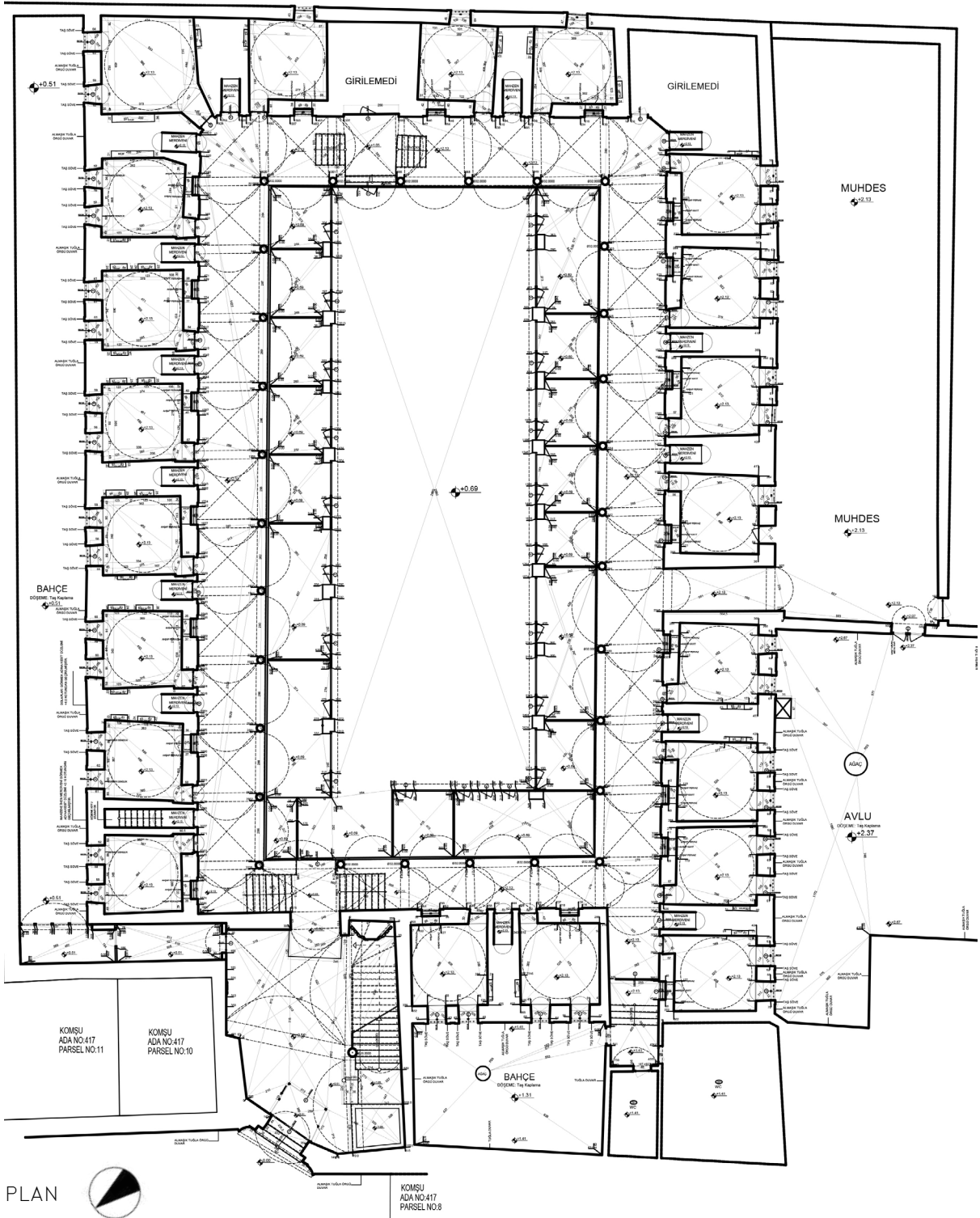


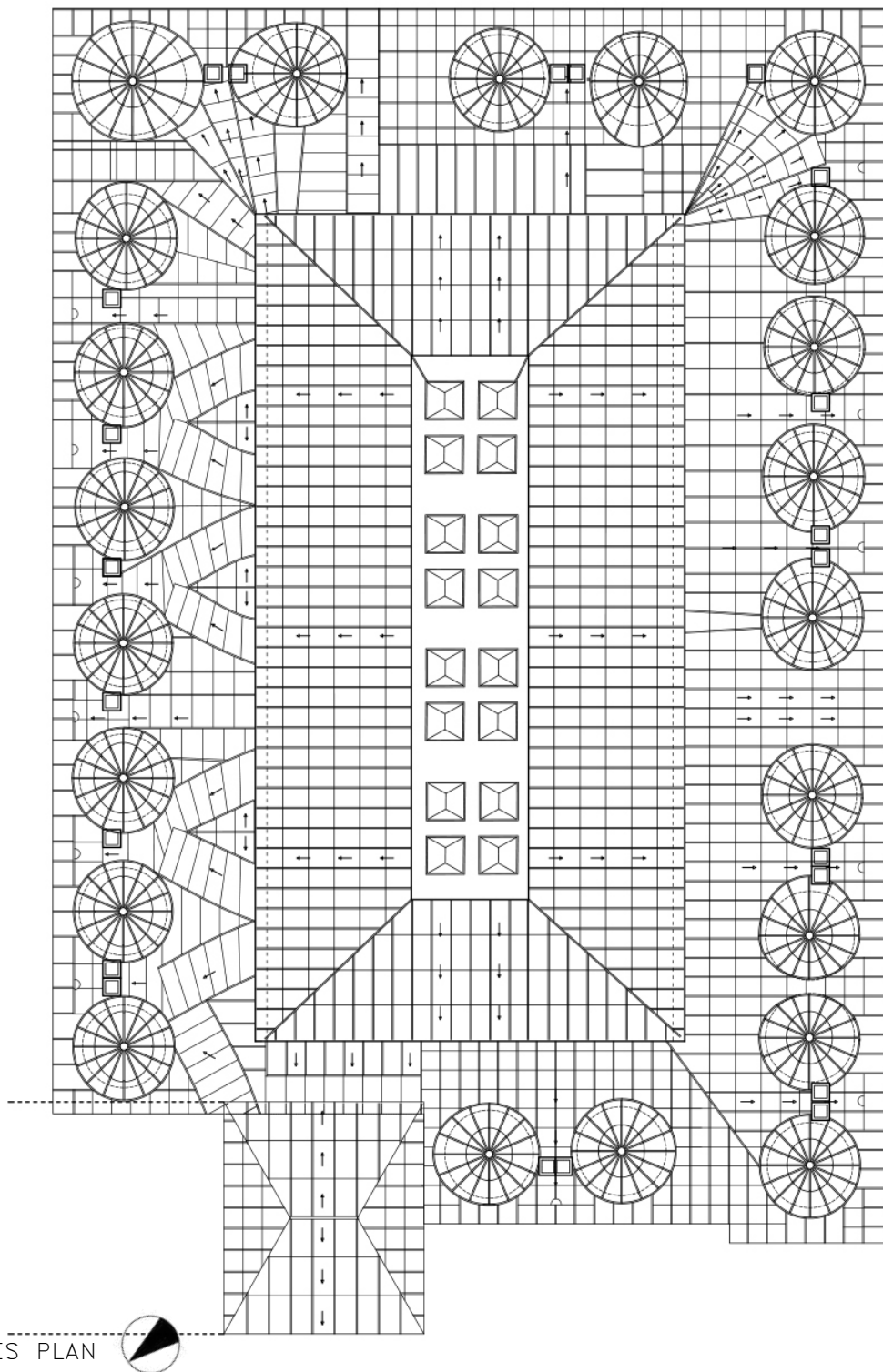
NORTH EAST ELEVATION



NORTH WEST ELEVATION

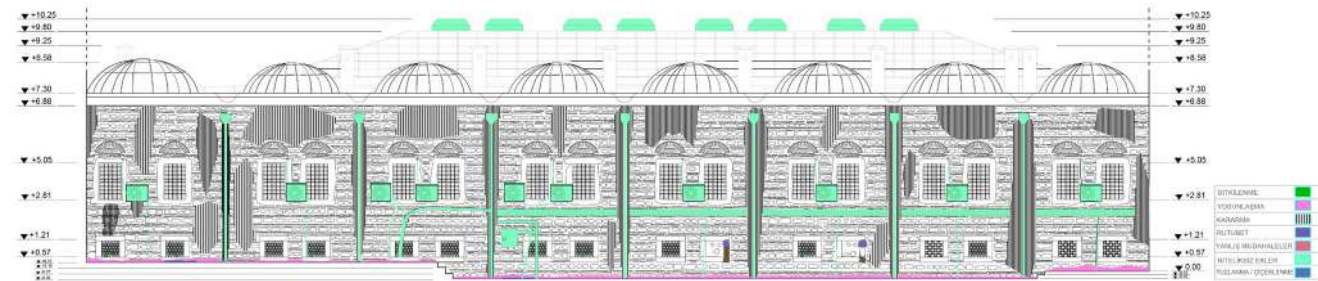
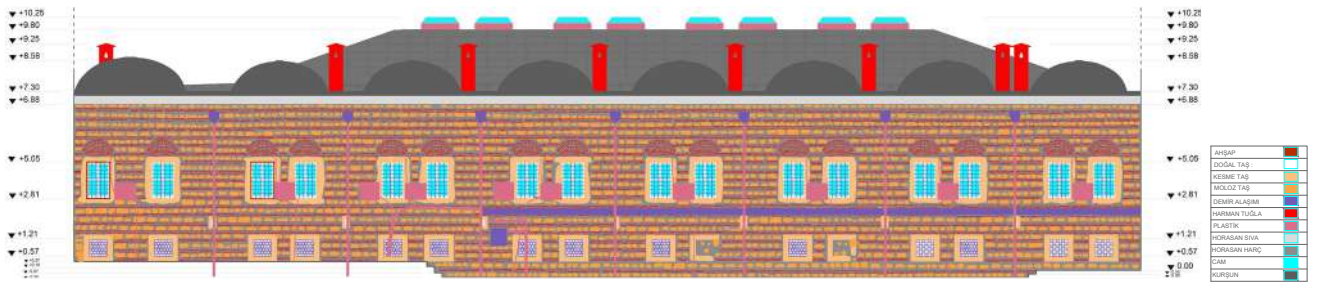
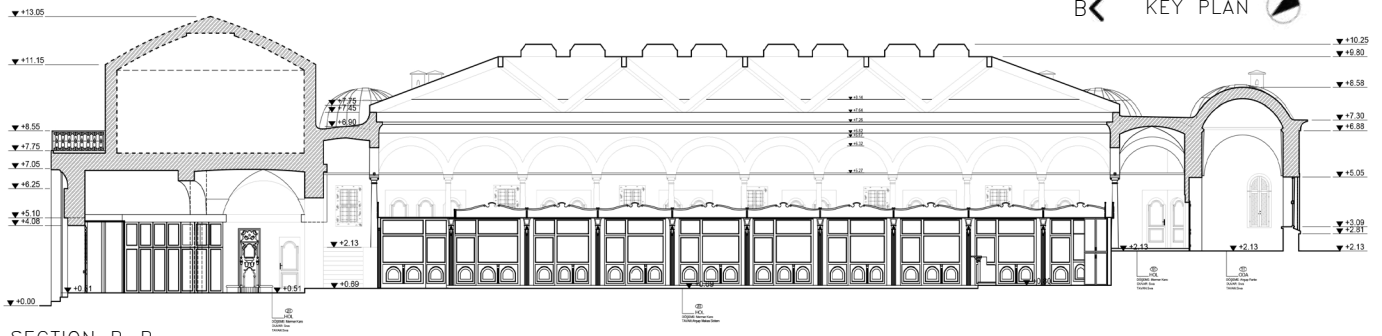
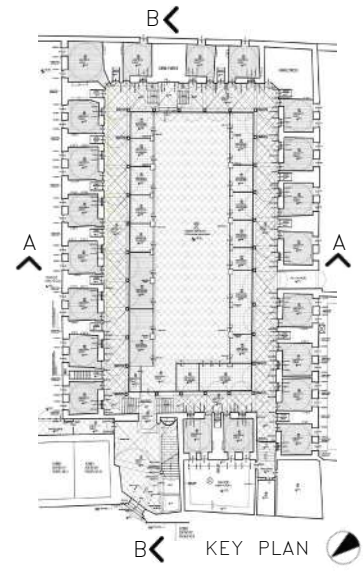
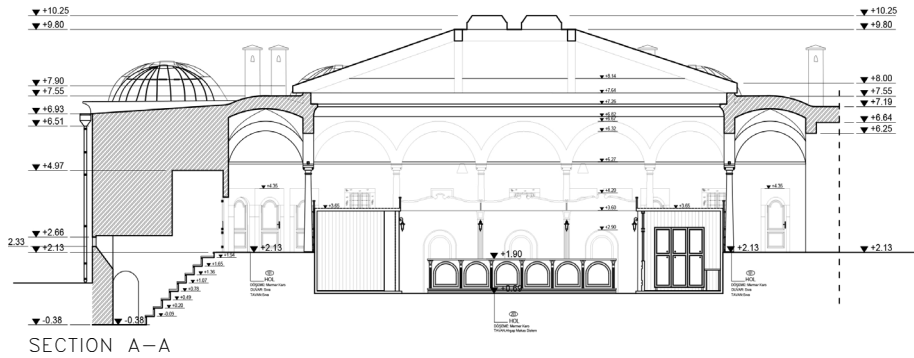
SOUTH WEST ELEVATION





LEAD DOMES PLAN

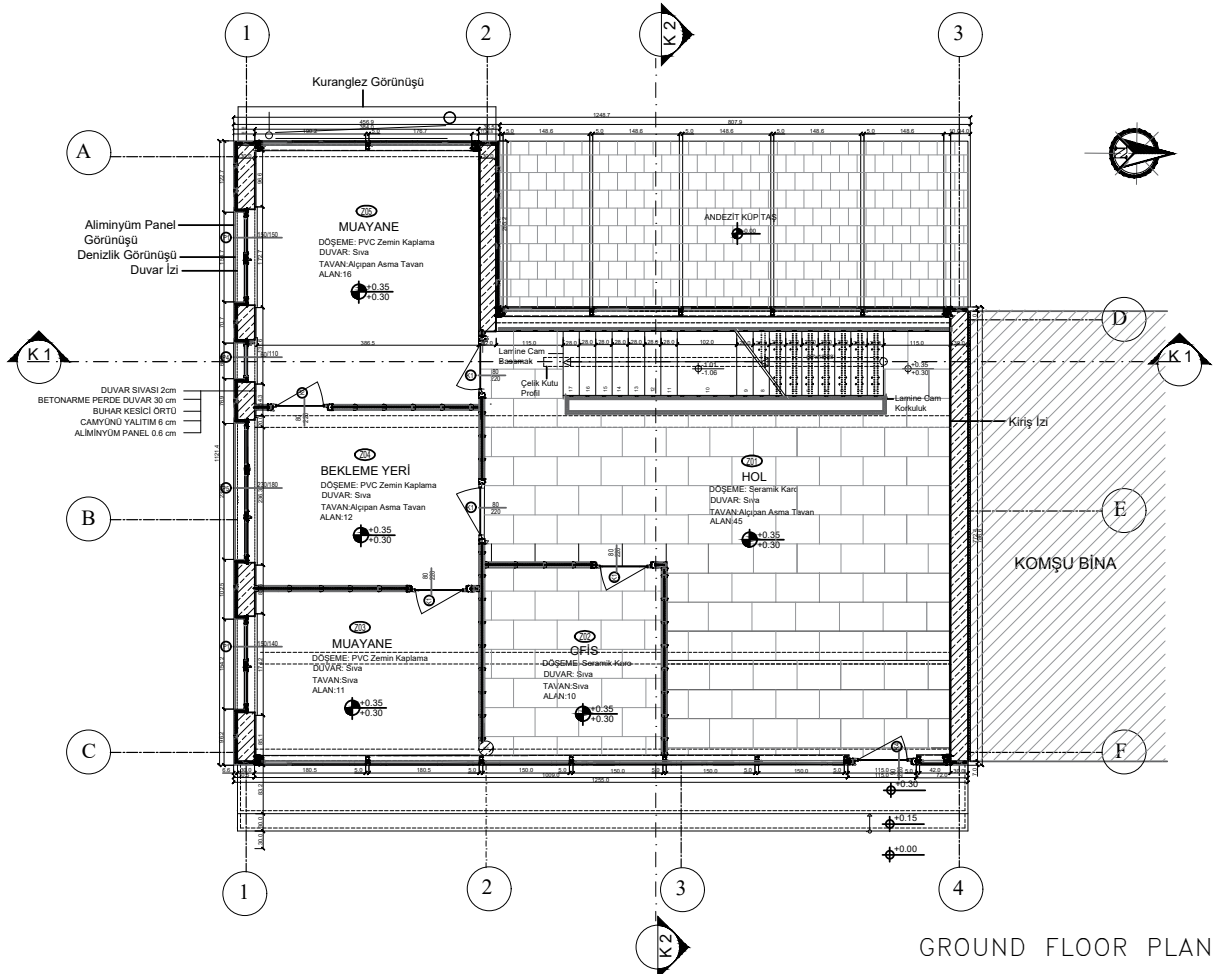
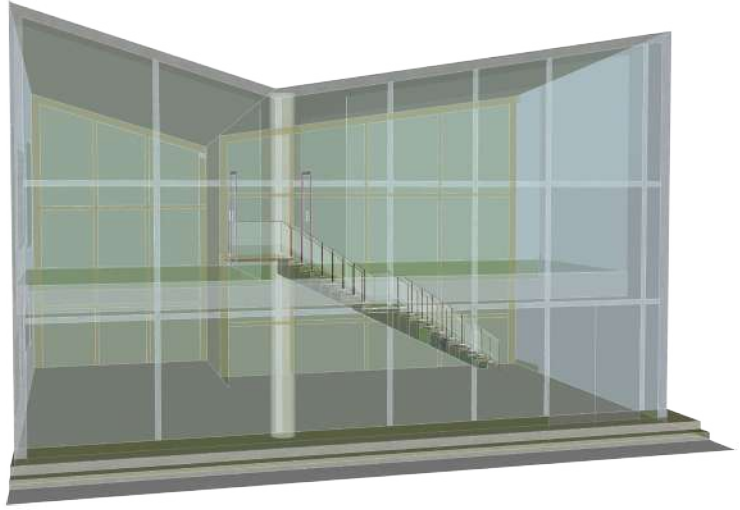


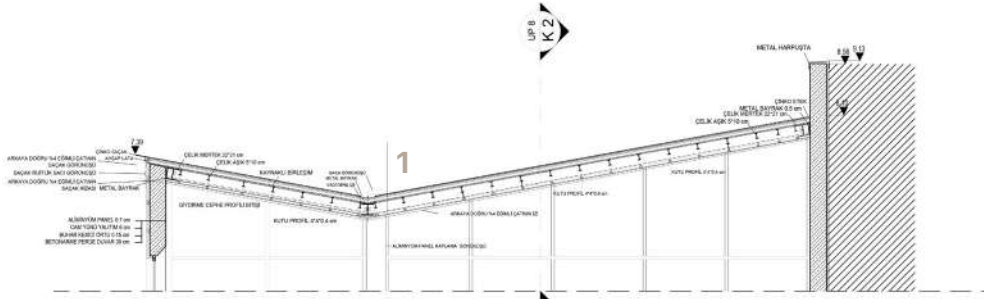


03

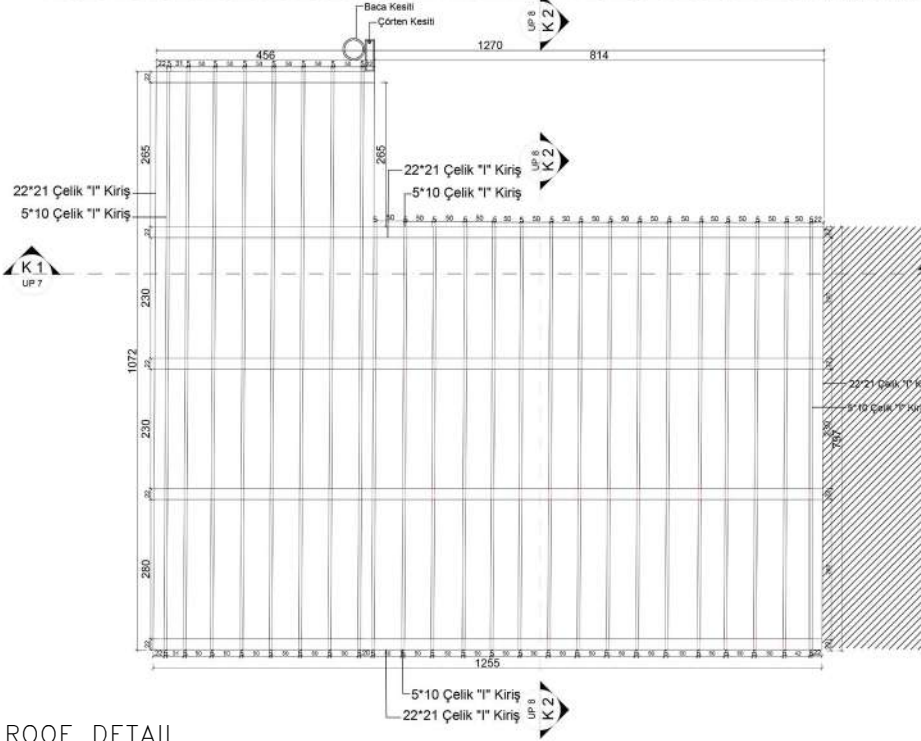
Location : Kuzguncuk, Istanbul
Category: Veterinary Clinic
Project Type: Individual
2018 Fall Term
Application Project

Veterinary clinic contains a mezzanine floor accompanied by a glass facade. During the course of the study it is aimed to gain the ability to designate the details of a building. Roof, foundation, stair details are solved meticulously.

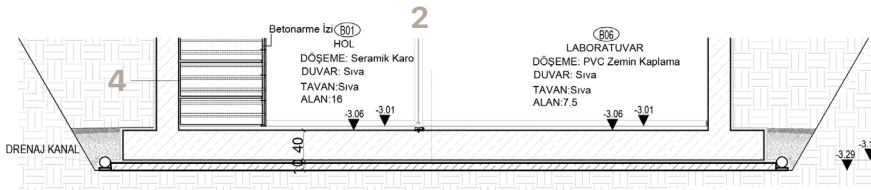




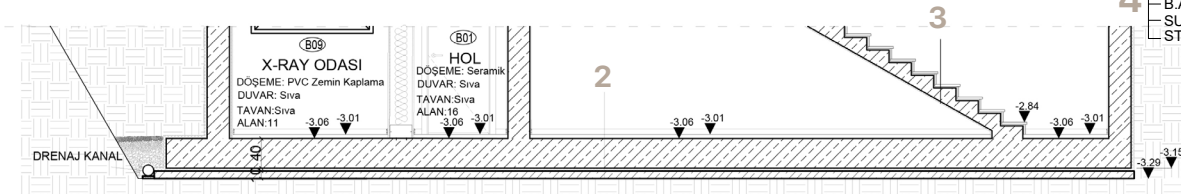
- 1 ÇİNKO KAPLAMA 0.5 cm
- ÇİFT KAT SU YALITIM ÖRTÜSÜ 0.6 cm
- OSB 2 CM
- HAVALANDIRMA BOŞLUĞU
- ÇİRALI ÇAM
- STRAFOR 5 CM
- BUHAR KESİCİ ÖRTÜ 0.15 cm
- OSB 2 CM
- ÇELİK MERTEK 10*5 cm
- ÇELİK AŞIK 22*21 cm
- ALÇIPAN ASMA TAVAN



ROOF DETAIL



- 2 SERAMİK 0.5 cm
- YAPIŞTIRICI 0.5 CM
- ŞAP 4 cm
- RADYE TEMEL 40 cm
- STRAFOR 4 cm
- SU YALITIMI 1cm
- GROBETON 10 cm
- 3 SERAMİK 0.5 cm
- YAPIŞTIRICI 0.5 CM
- SIVA 2cm
- BETONARME KİRİŞ
- SIVA 2cm



FOUNDATION DETAIL

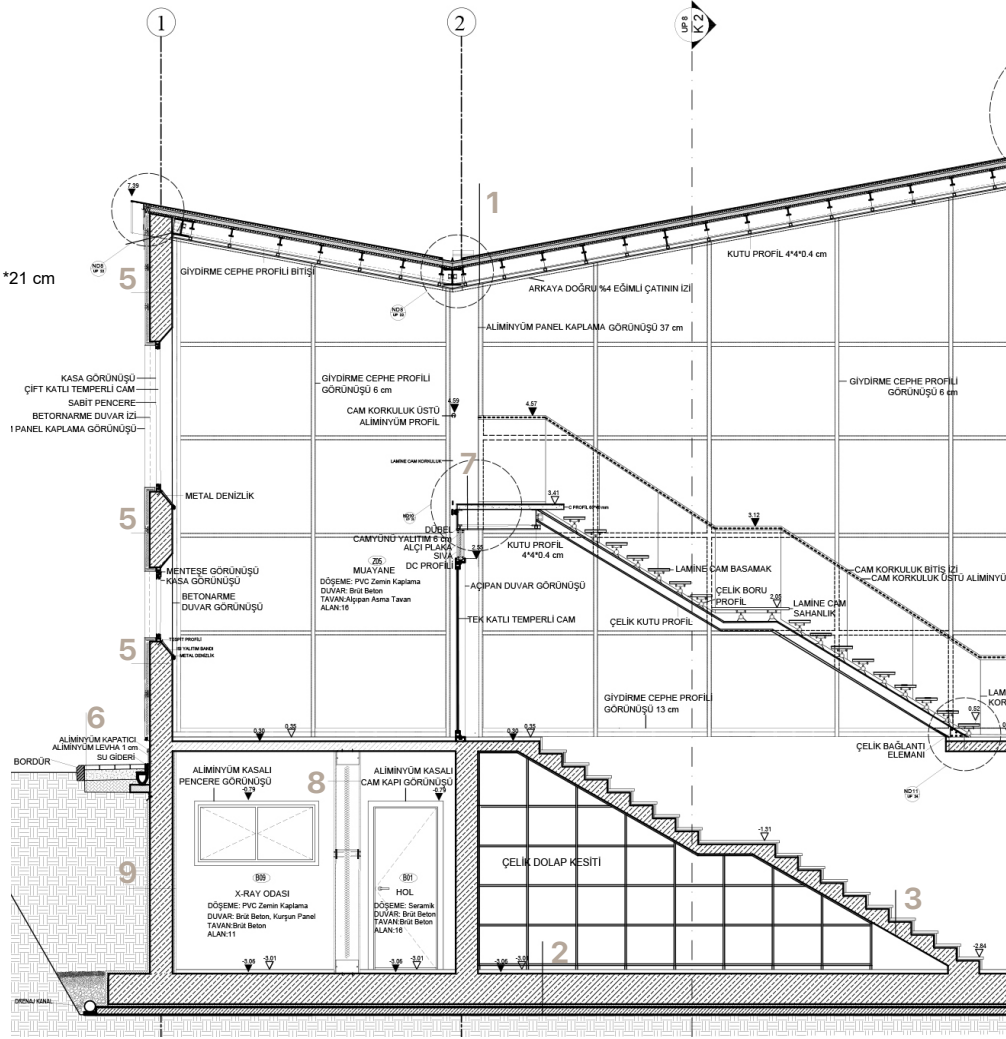
- 5
- ALİMYÜM PANEL 0.7 cm
 - CAM YÜNÜ YALITIM 6 cm
 - BUHAR KESİCİ ÖRTÜ 0.15 cm
 - BETONARME PERDE DUVAR 30 cm

- 6
- SERAMİK+YAPIŞTIRICI 1 cm
 - DÜZELTME ŞAPİ 2 cm
 - TRAPEZ SAC 5 cm
 - 1 PROFİL (ÇELİK DÖŞEME ELEMANI) 11*21 cm
 - ALÇIPAN TAVAN KAPLAMASI 1.2 cm

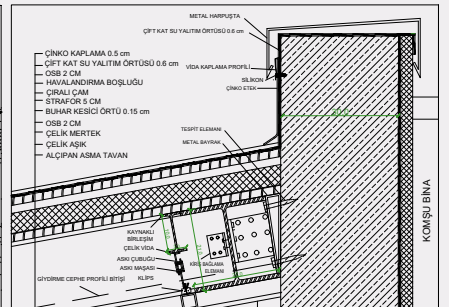
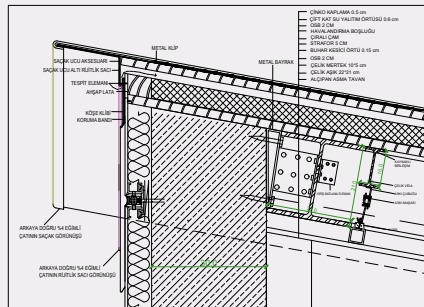
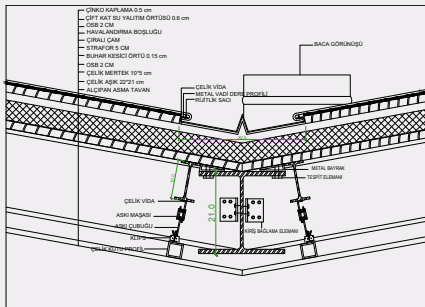
- 7
- KİLİTLİ PARKE TAŞI (%2 EĞİMLİ)
 - GROBETON
 - BLOKAJ
 - SIKIŞTIRILMIŞ TOPRAK

- 8
- ALÇI PANEL 2 cm
 - CAMYÜNÜ YALITIM 30 cm
 - KURŞUN KAPLI PANEL 0.5 cm
 - ALÇI PANEL 2 cm

- 9
- ALÇI PANEL 2 cm
 - KURŞUN KAPLI PANEL 0.5 cm
 - İÇ SIVA 2 cm
 - BETONARME PERDE DUVAR 30 cm
 - İKİ KAT SU YALITIMI 1 cm
 - STRAFÖR 3 cm

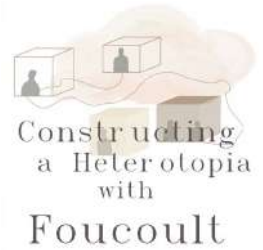


SECTION B-B



Location : Şişli, İstanbul
 Category: Beer Factory Extensions
 conversion into Student Center
 Project Type: Individual
 2019 Fall Term
 Architectural Design Project IV

A heterotopic student center is designed in the light of article named as "Of Other Spaces: Utopias and Heterotopias" by philosopher Michel Foucault. The project is about refunctionalization of the additional structures of Bomonti Beer Factory. The second principle of Foucault's heterotopia description is that a society, as its history unfolds, can make an existing heterotopia function in a very different fashion. That is how the creation of heterotopia starts. Historic industrial structures turns to become a student center.



REFUNCTIONALIZATION WITH AN EXTERNAL MOVING UNIT TO BUILD A HETEROTOPIA

1

TOGETHERNESS

RHIZOME BY DELEUZE AND GUATTARI

Rhizomes always develop by dragging different connections. When rhizomes lose the connection anywhere, they enter into a new relationship through another connection.

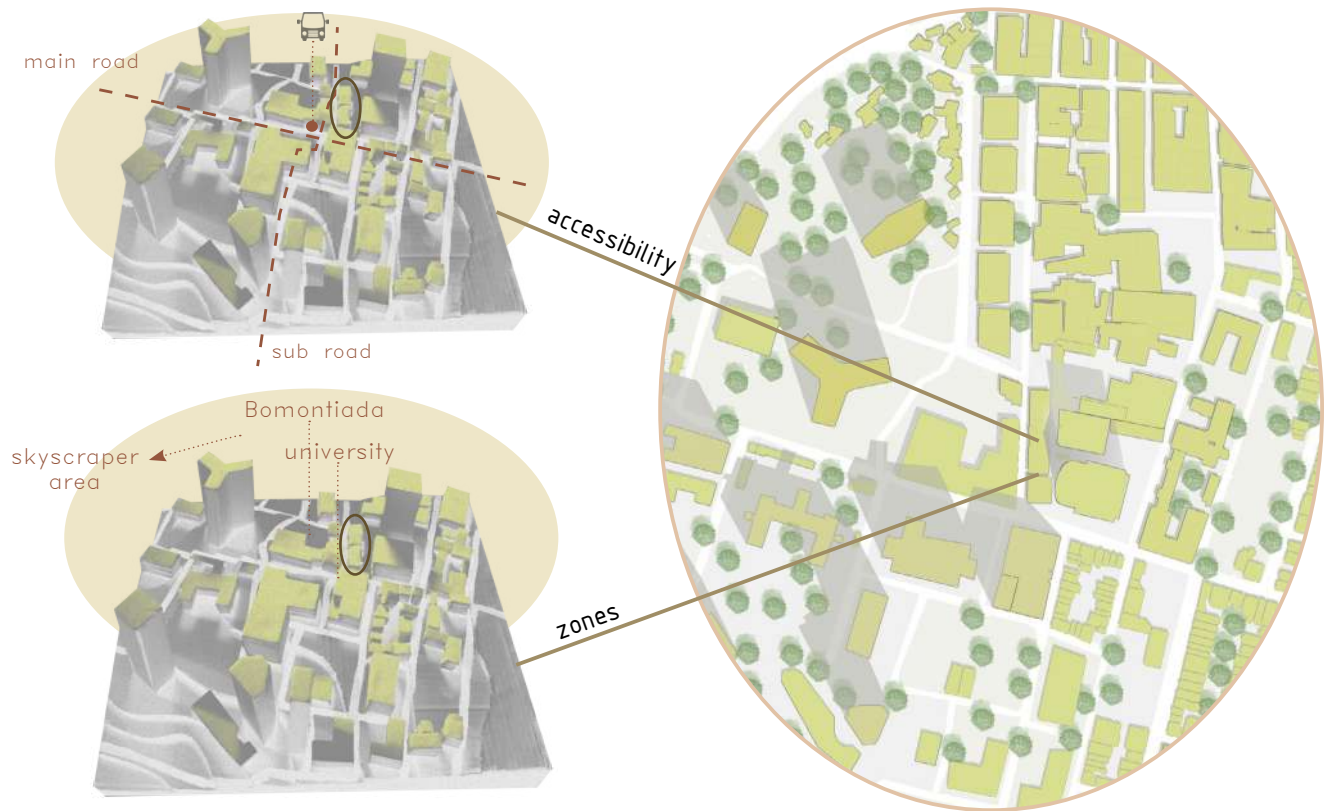
Our search has always been towards the unknown. "The other" which is waiting to be discovered, gets defined only when we access to it. Foucault mentions in the sixth principle of heterotopia that heterotopias have functions for the rest of the space. This principle was the main idea of design. The external moving cubic unit is a part of the exhibition where goes on a light show which visually changes every minute. While being a transporter between floors, they turn to another real spaces. Thus, "the other perfect place" is created.

2

UNITY

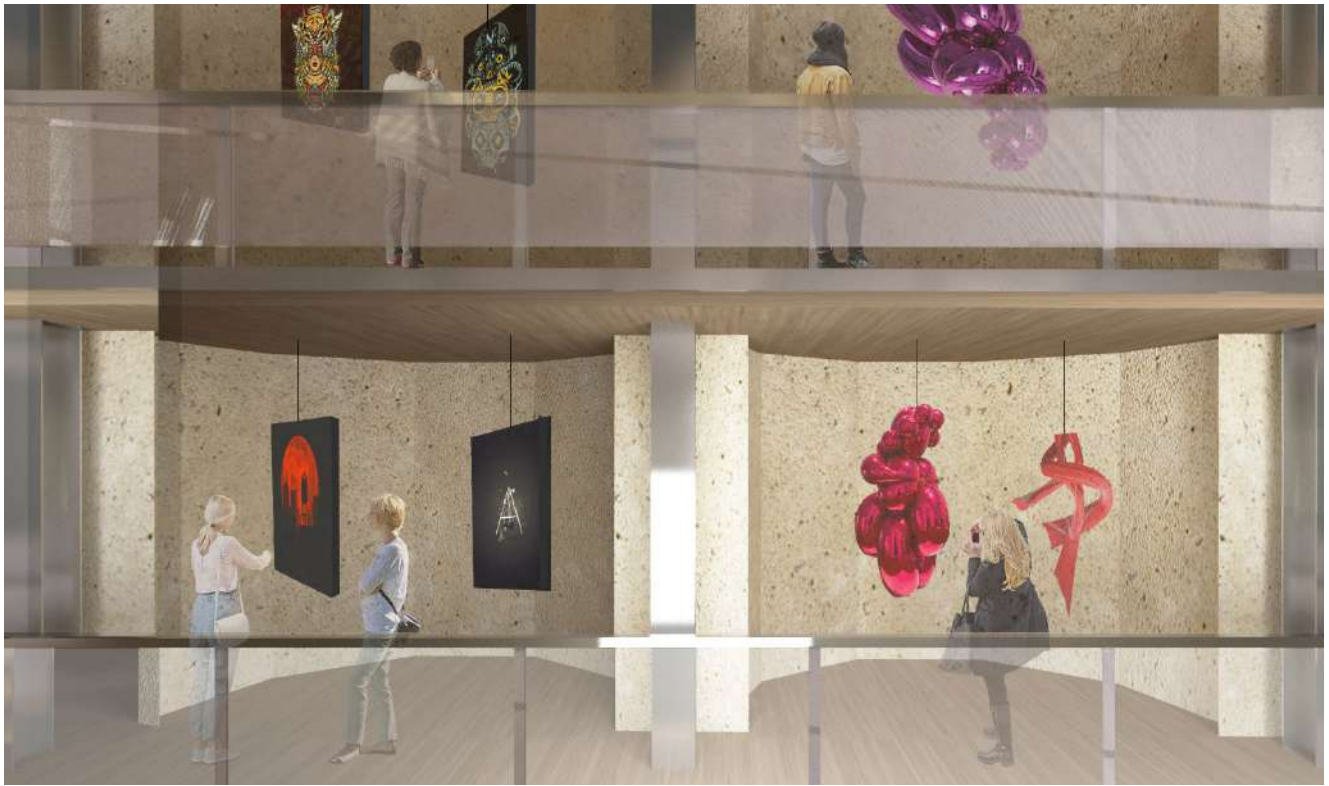
GALILEO DISCOVERS THAT THE WORLD TURNS AROUND THE SUN

Our actions are a small part of a large movement. As Foucault states in his article; the idea of being fixed to a certain place is refuted and the phenomenon of infinite and open space is mentioned. Also; Foucault, in the fifth principle of heterotopias mentions that they are a collapsible places that isolates and also enables penetration. This idea gets real with external unit. Penetration to the unit is from a limited point whereas it offers flexible circulation. Also, it offers privacy.

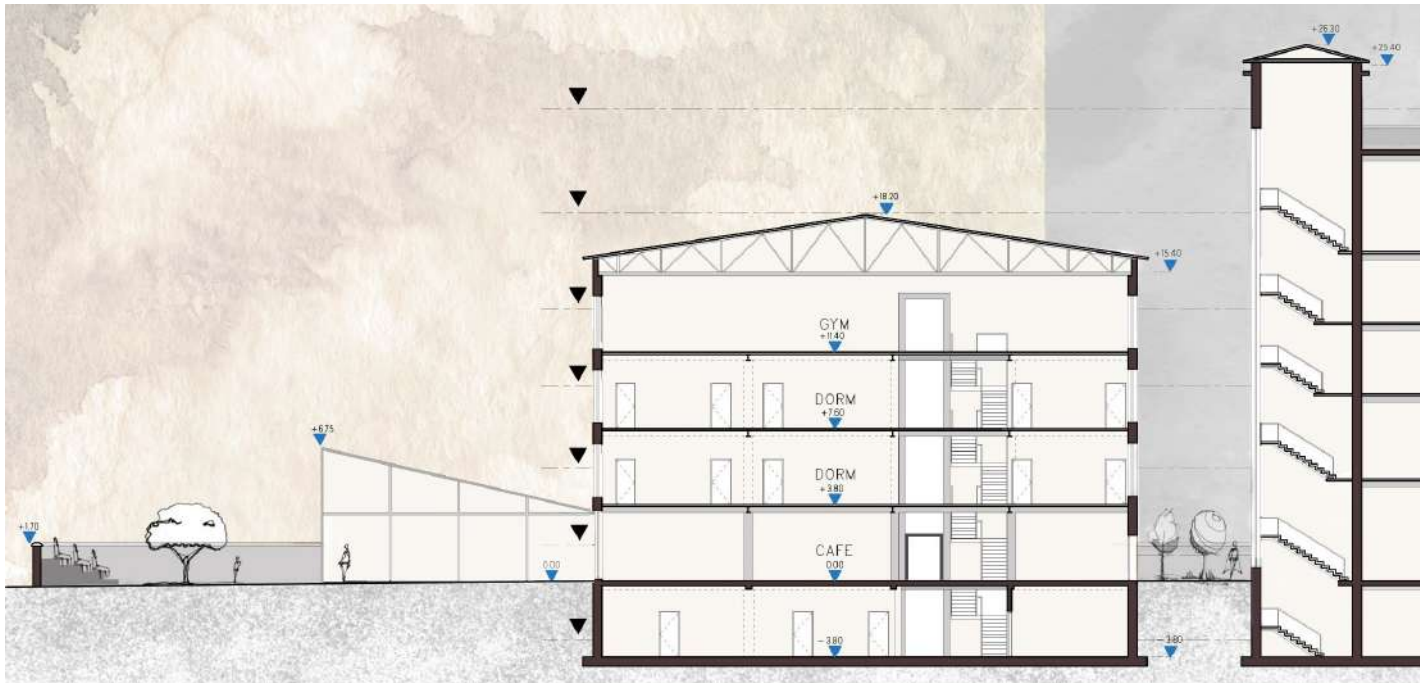


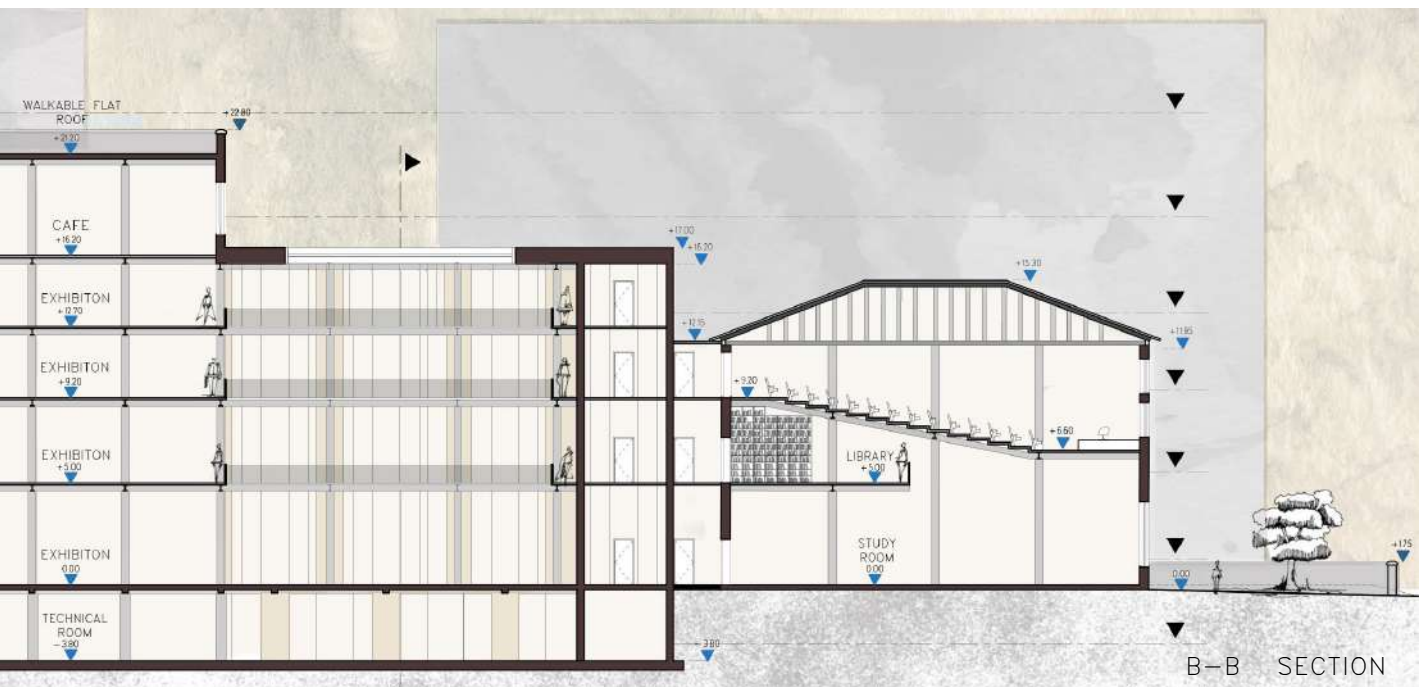
map of current derelict Bomonti Beer Factory extensions

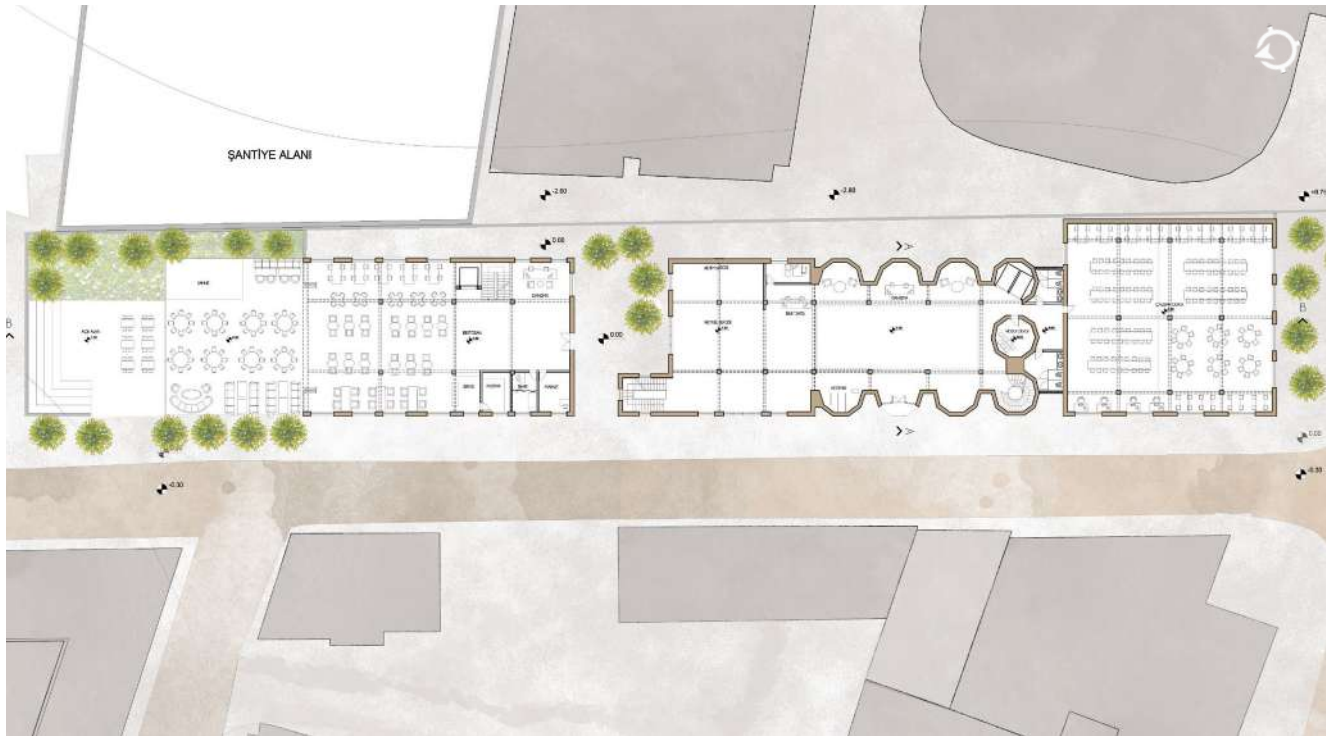




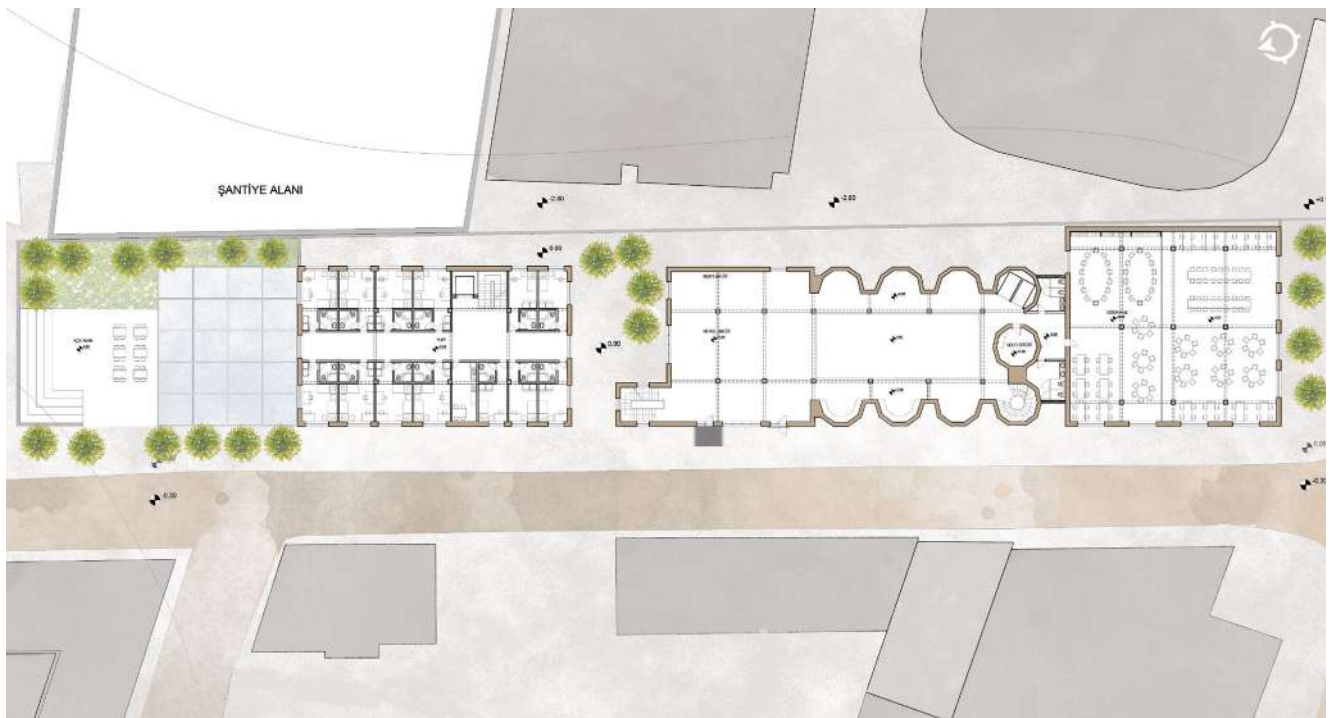
Silos are carved for exhibition.



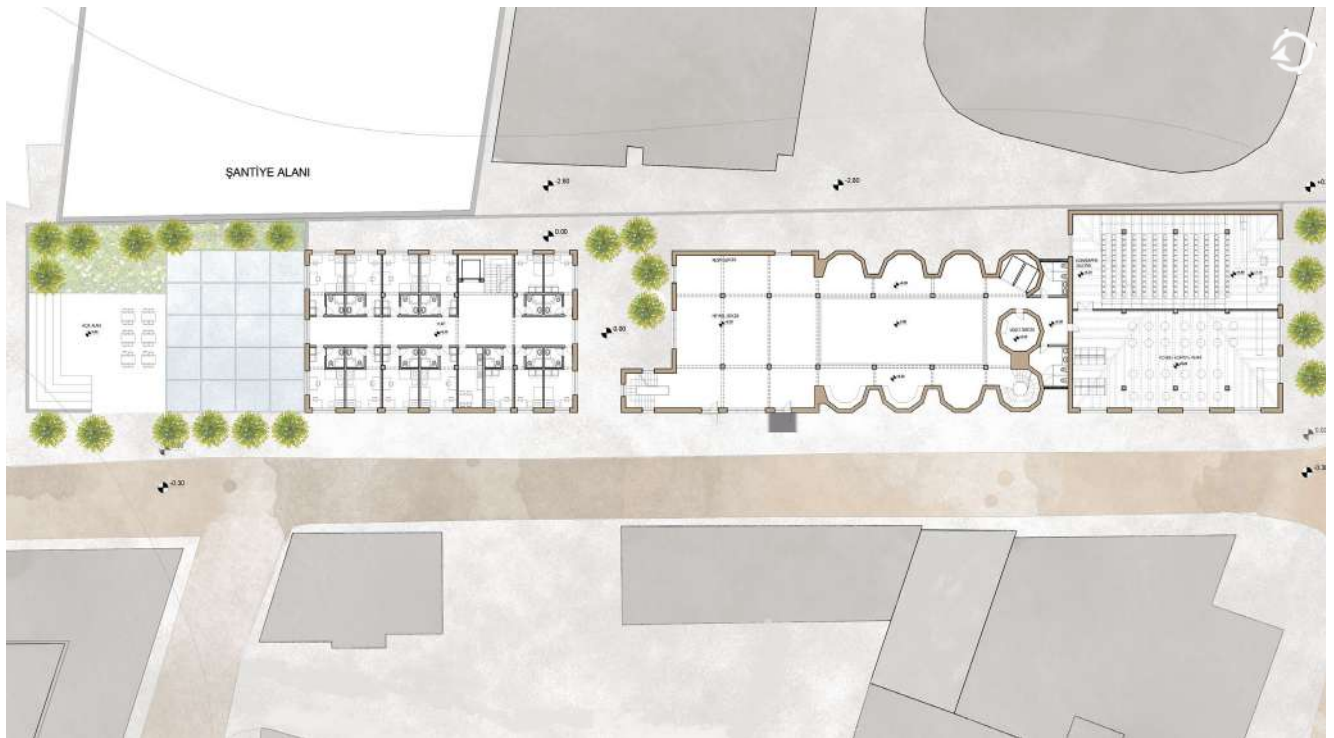




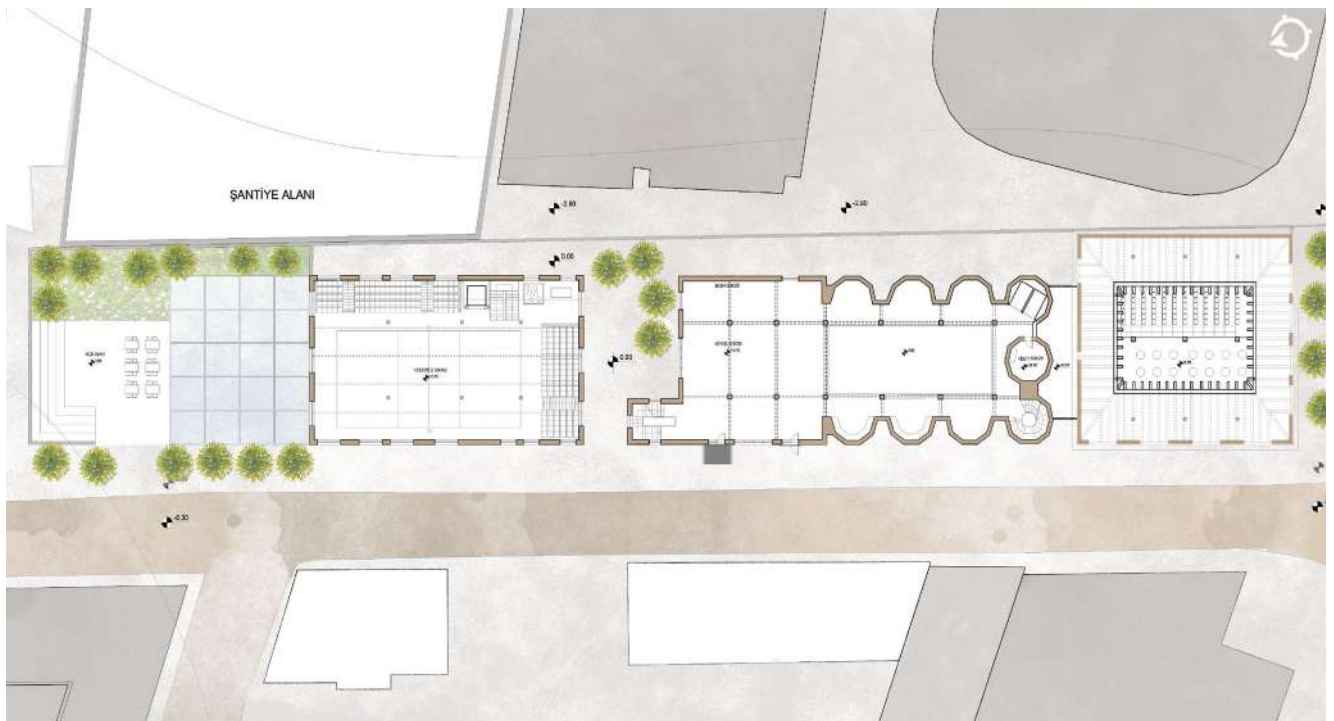
Ground Floor Plan



First Floor Plan



Second Floor Plan



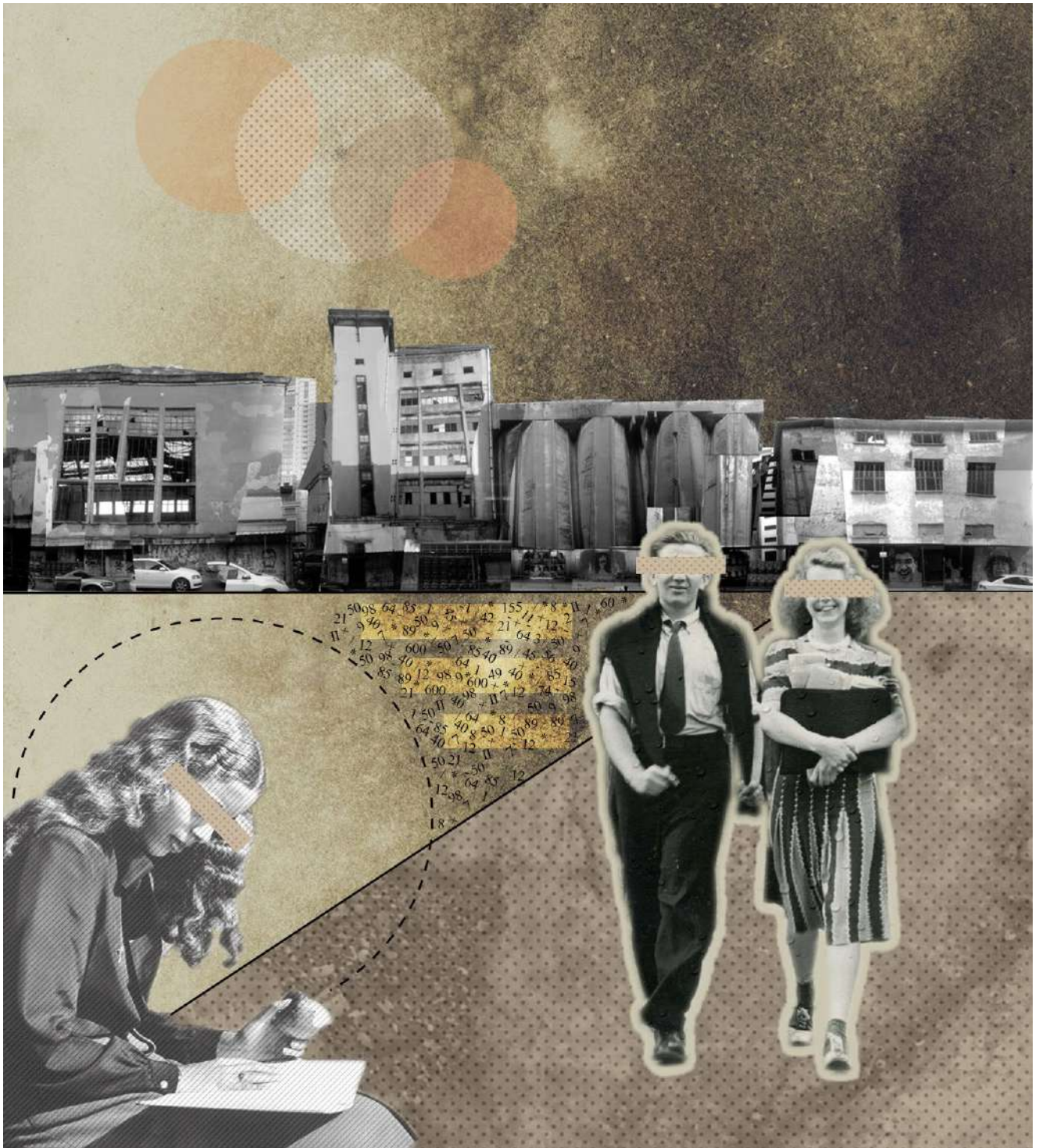
Third Floor Plan



Inside the cubic elevator—always changing light exhibition.



Silo is carved for entrance.



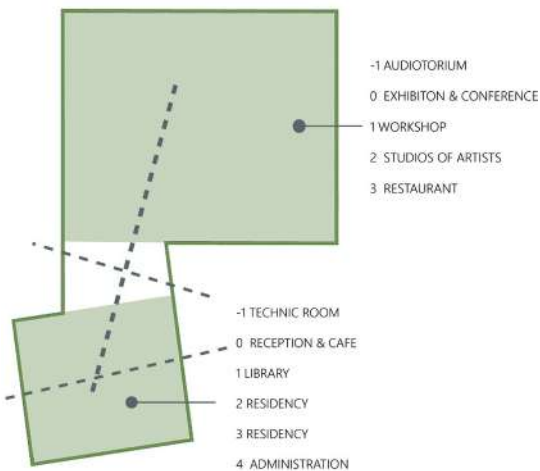
Collage portraying existing additional structures of Beer factory.

05

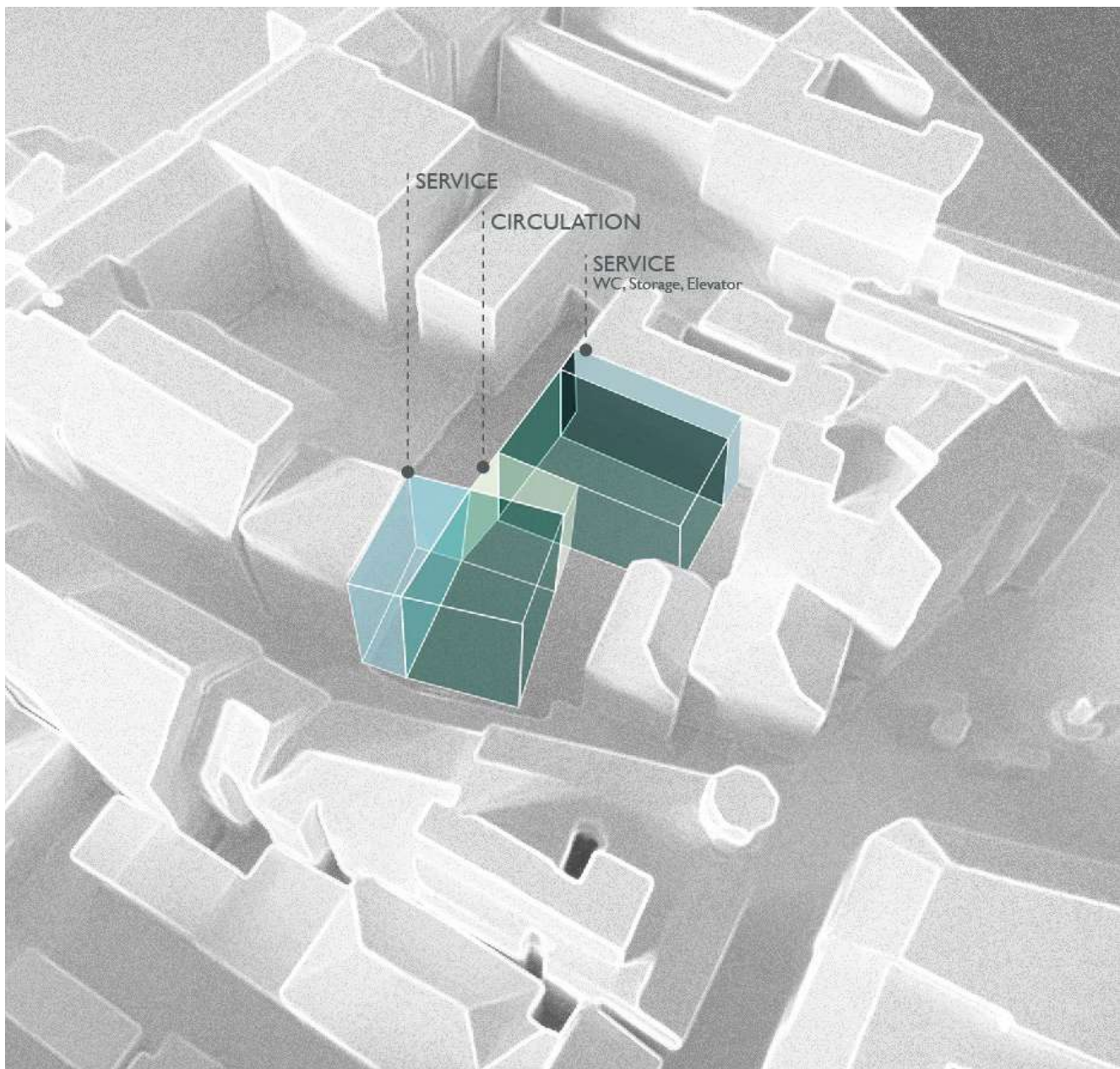
Location : Linz, Austria
Category: Cultural Center
Project Type: Individual
2019 Spring Term
Architectural Design Project III

*Project is done in the term of Erasmus Exchange at Kunstuniversität Linz with the mentoring of Prof. Michael Zinner.

The story begins with the urge of creating a free space for art where artists, students and the community are able to interact with each other. The project is based on three blocks and two different levels. Division is made by considering the need of space usage by different user groups for every program. The small block stands for actualizing mechanic activities. The large block stands for providing more open spaces to serve free spaces for art. Stairs are placed in the glass unit which connects these two blocks. The darkest sides which cannot interfere the circulation are designed as service blocks. Considering a crowd waiting in the entrance area before an event, a large area is designed at the entrance. There are three gates at this large entrance. The first one leads to the cafe, the second one to the reception. The third gate leads to the staircase to eliminate the circulation density. Visibility and transparency within the center are achieved by creating different levels for these two blocks. Visible workshop areas and studios help everyone to utilize the place which leads to crafting an atmosphere that embodies the idea of innovation in arts.



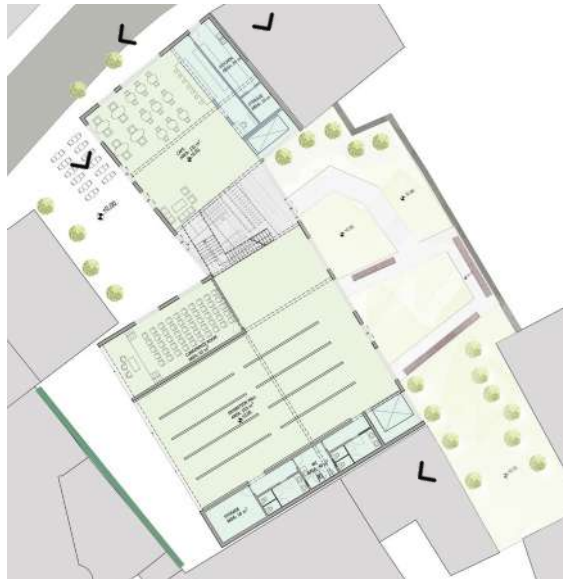








Basement Floor Plan

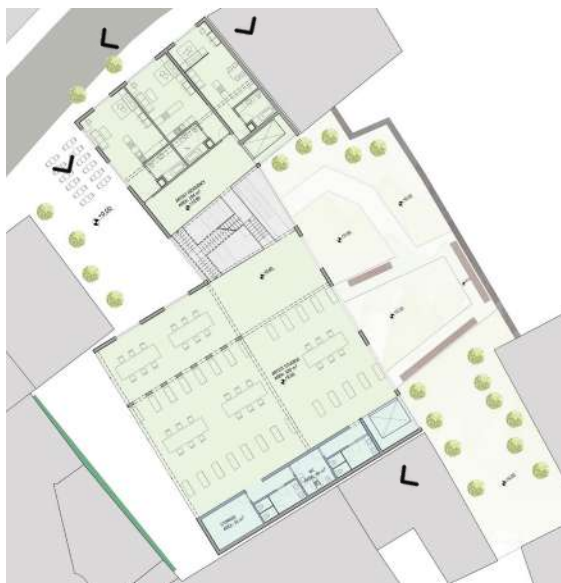


Ground Floor Plan





First Floor Plan



Second&Third Floor Plan



Fourth Floor Plan

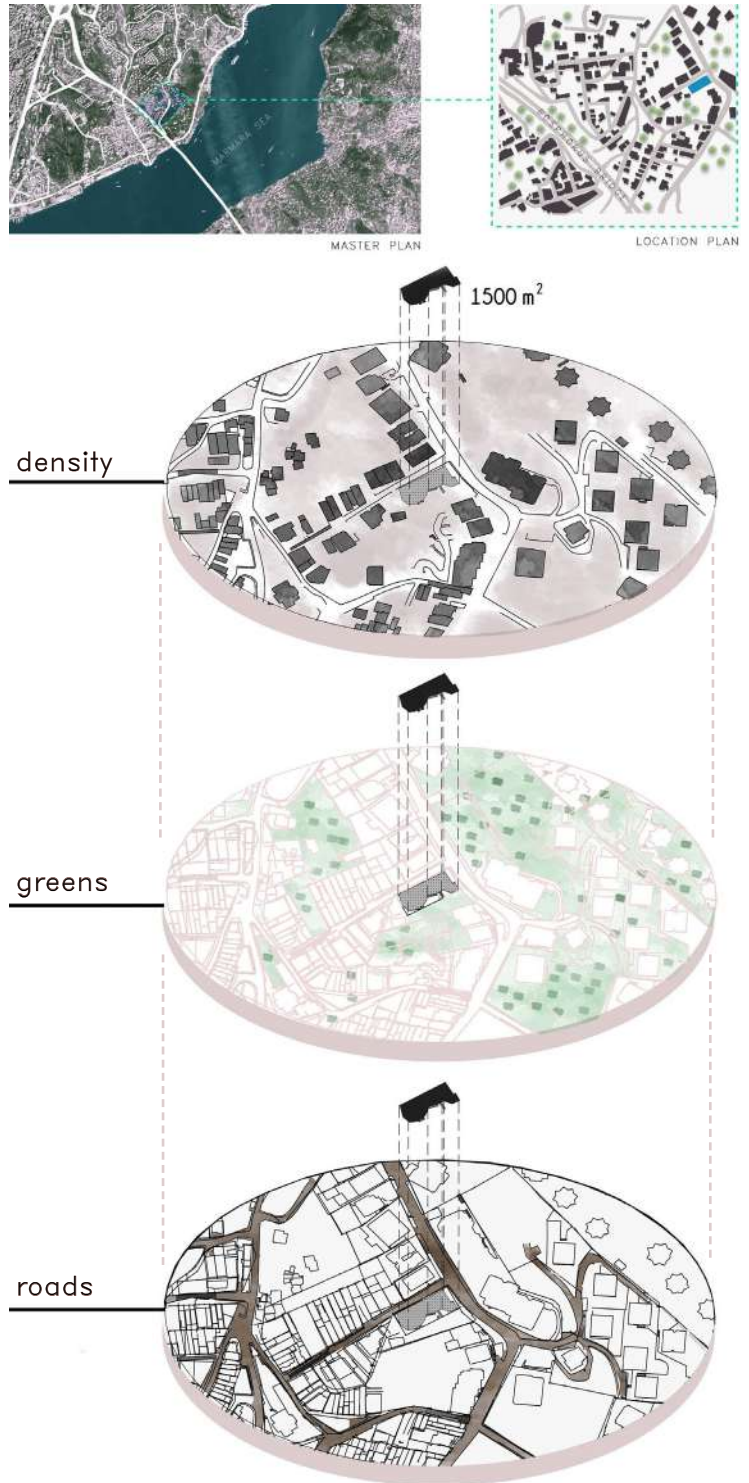


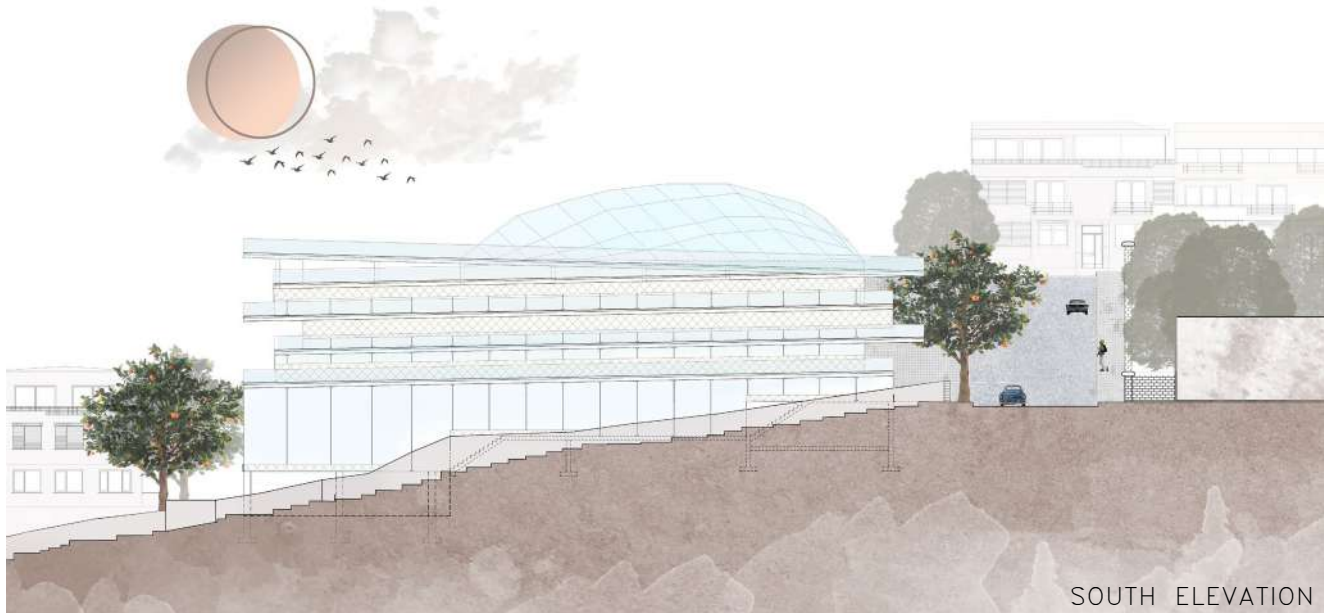


06

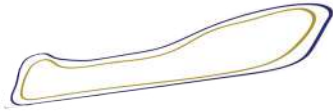
Location : Ortaköy, Istanbul
 Category: Fitness Club
 Project Type: Individual
 2019 Fall Term
 Architectural Design Studio II

Initial point of the design is born with the will of addressing the problem of today's fitness clubs that they associate sports with ambition and competition instead of health. The observation of modern day's fitness clubs has lead to the realization that open-air spaces are the major places that fitness clubs are lacking of. Thus a running path which surrounds the structure has been the significant element of the design. In order to expose that mental health is as much important as physical health; open-air spaces, flexible, light-well areas and regions to get socialized are designed. Bosphorus view has been a key factor to designate the locations of the programs.(spinning,running,pilates etc.)

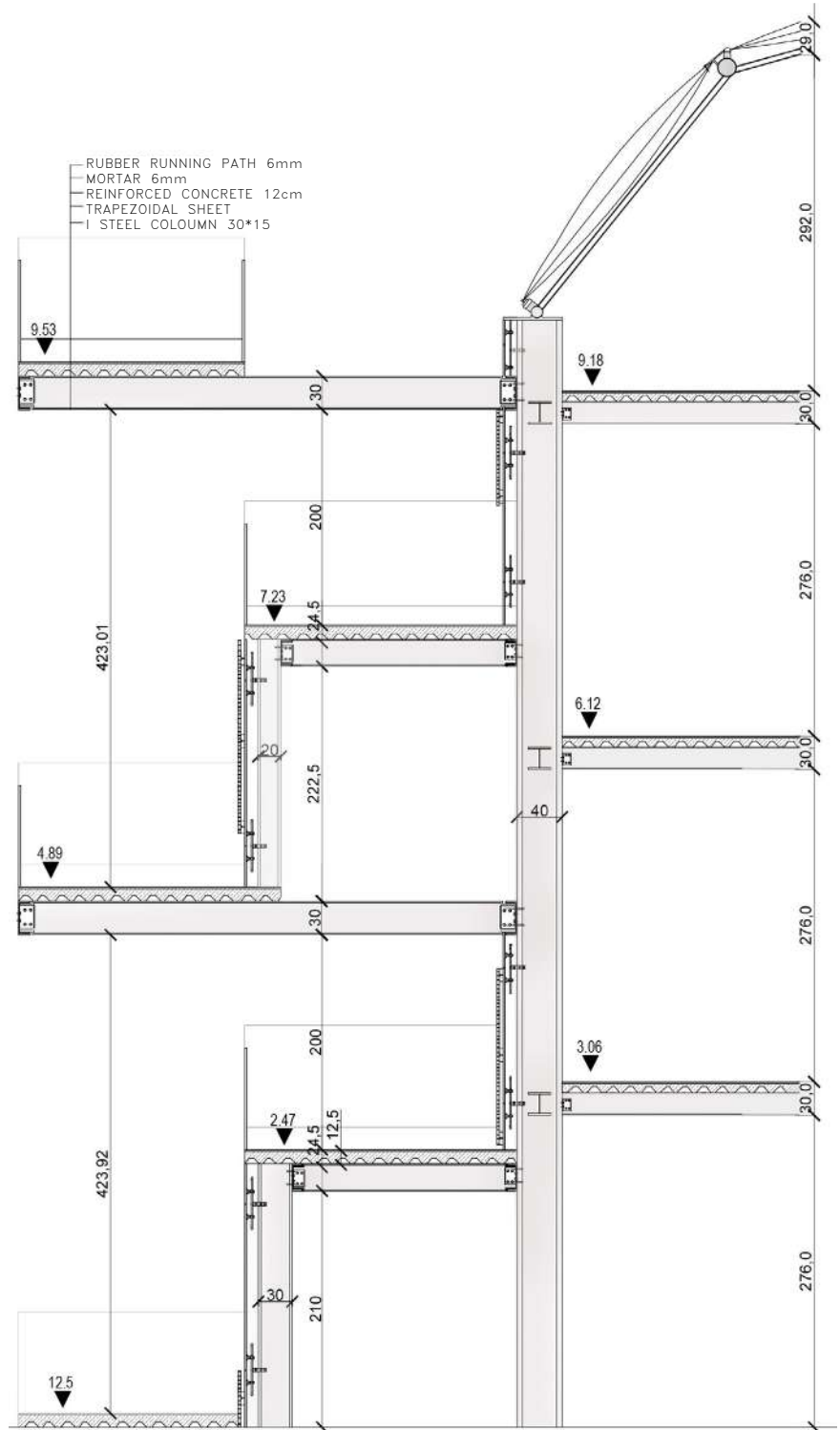




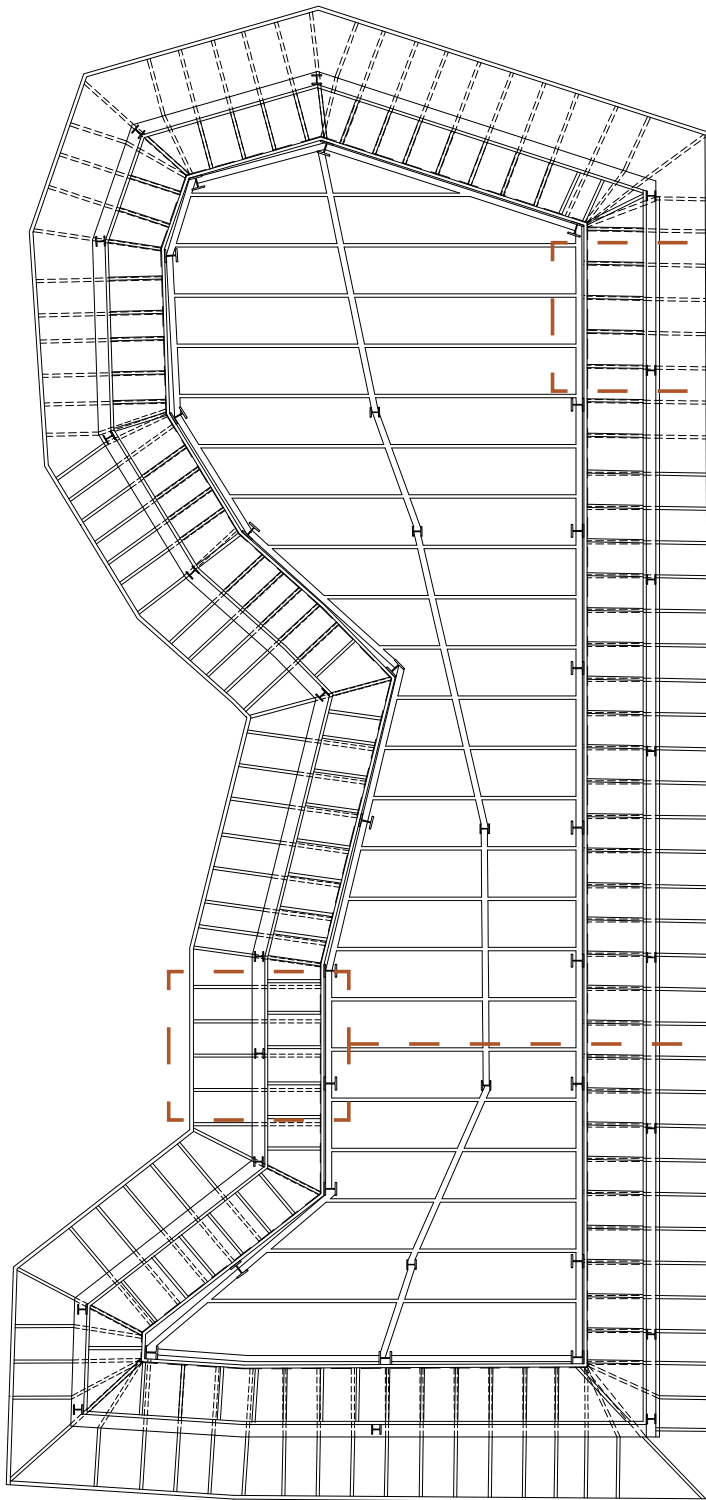
HOW DOES THE LOOP WORK?



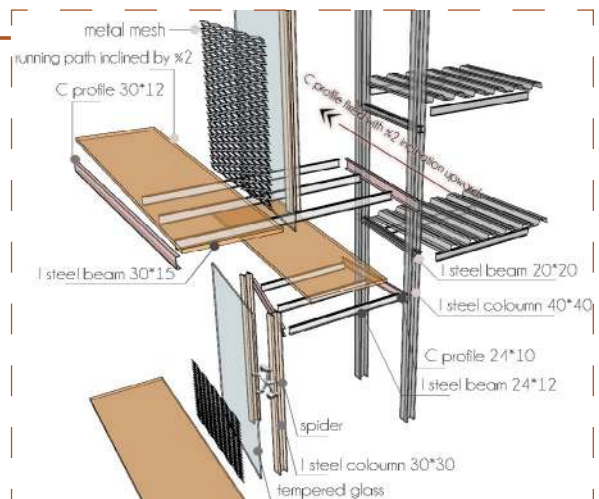
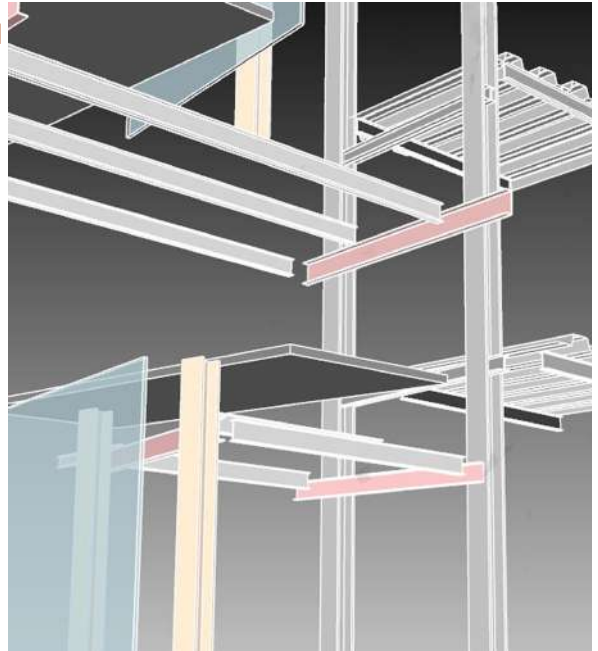
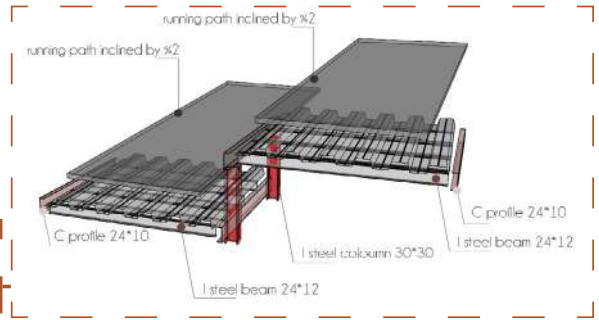
Running paths are designed with in&out system. This system creates meeting points on different levels. Thus people who run towards different directions are able to see each other. The structure of running paths is designated with steel beams and coloumns. The outer path is carried with a longer beam. On the way of turning back the longer running path is inclined downwards and joins to the shorter one. Runner completes running upwards at the top of the structure where green roof is located. It helps to motivate the runner and serves a resting area. Then the runner starts to run downwards and finally gets to the starting point. Thus a loop is created.



Detail Section

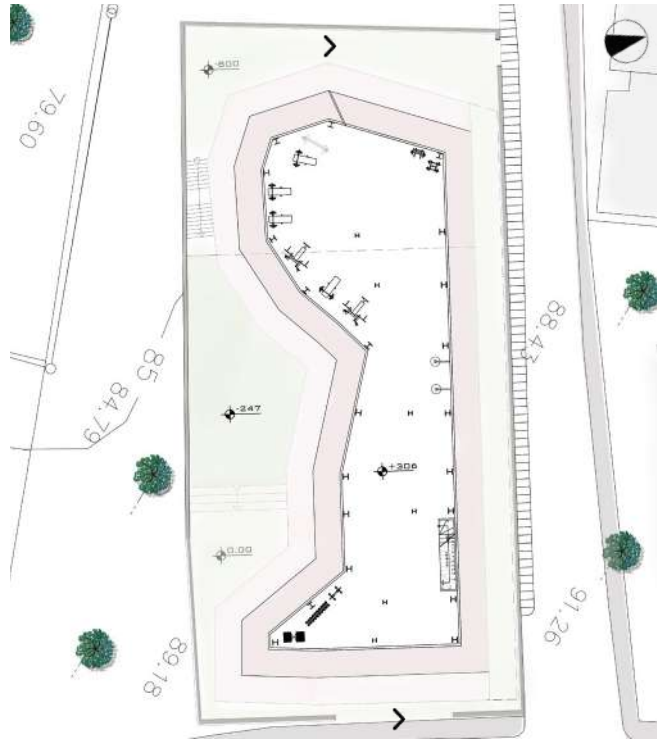


Structure Plan





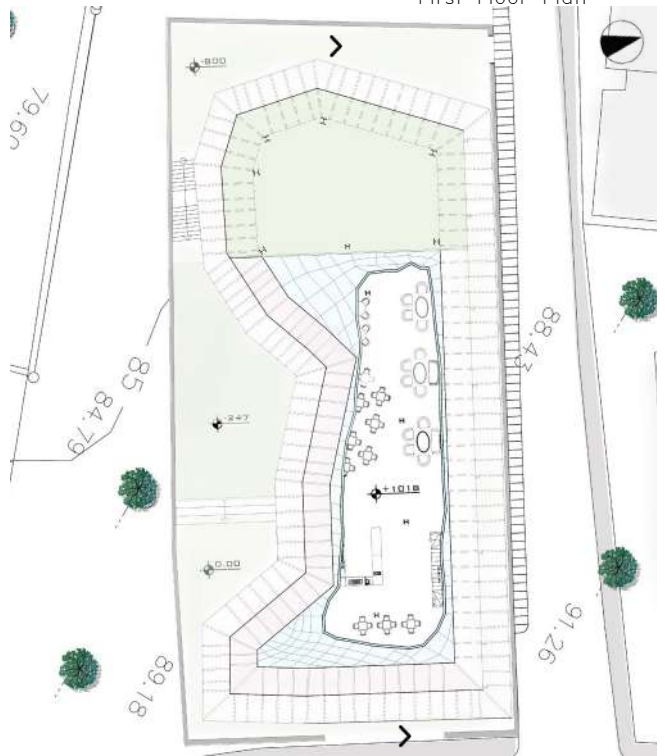
Ground Floor Plan



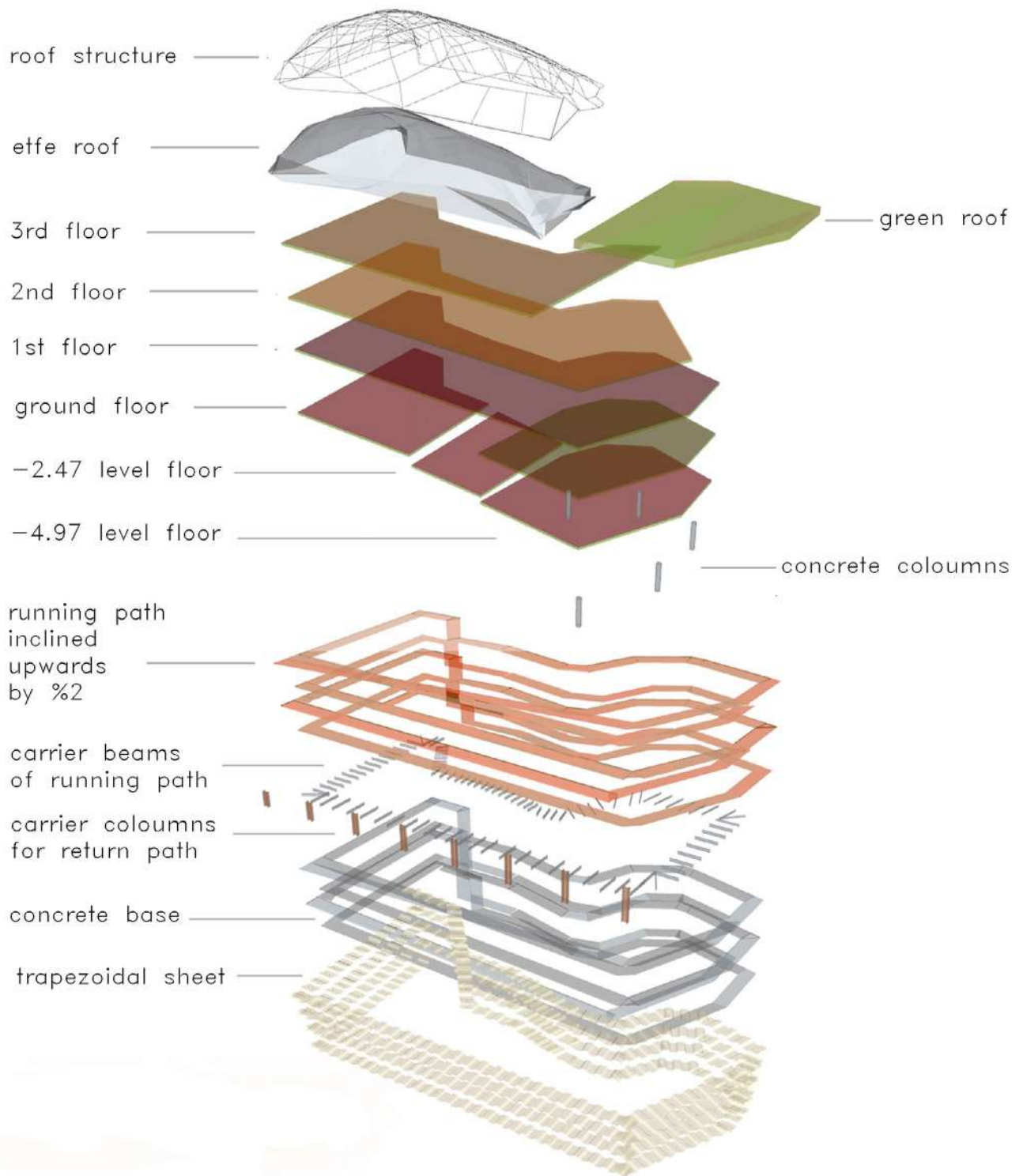
First Floor Plan

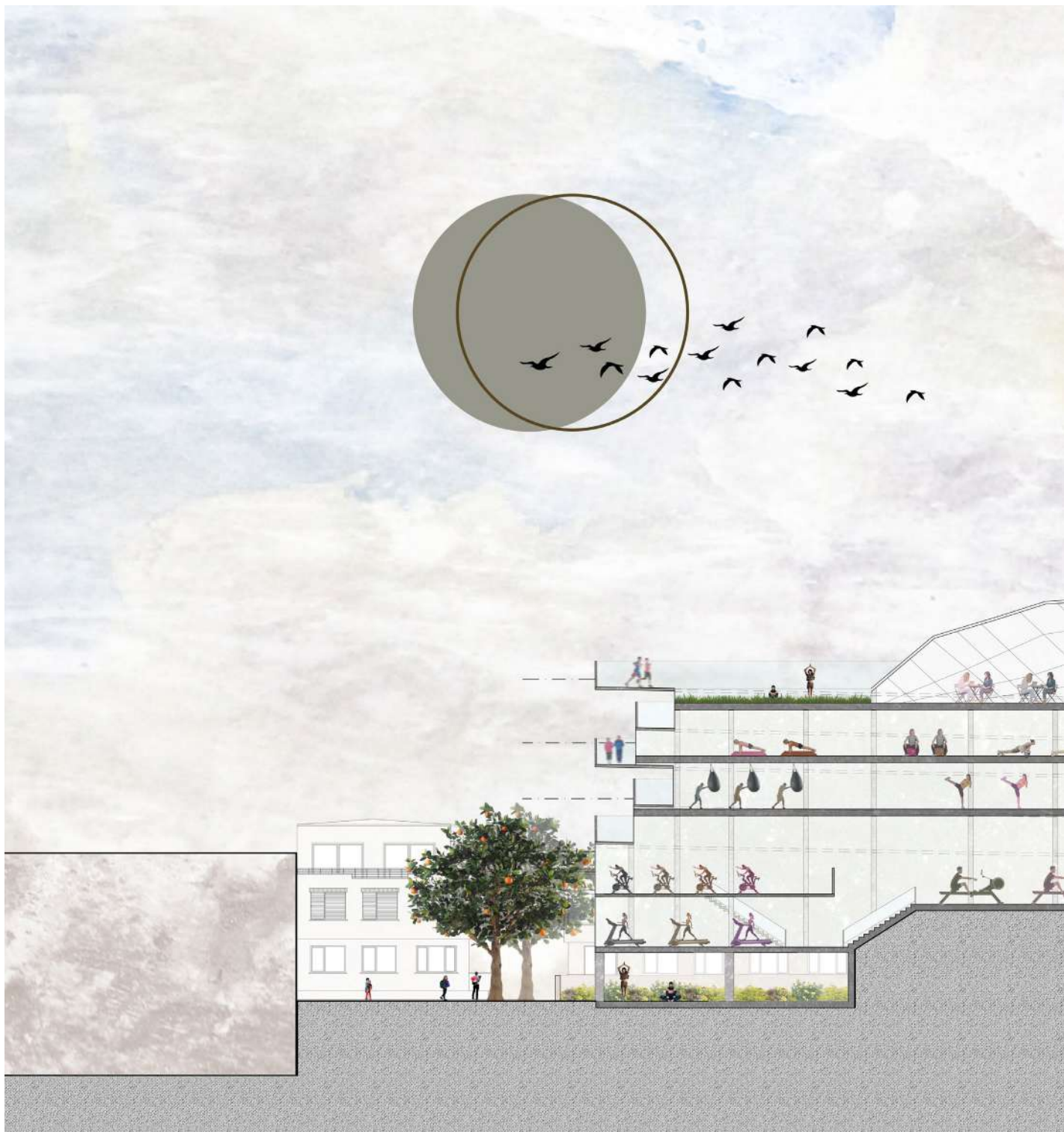


Second Floor Plan



Third Floor Plan







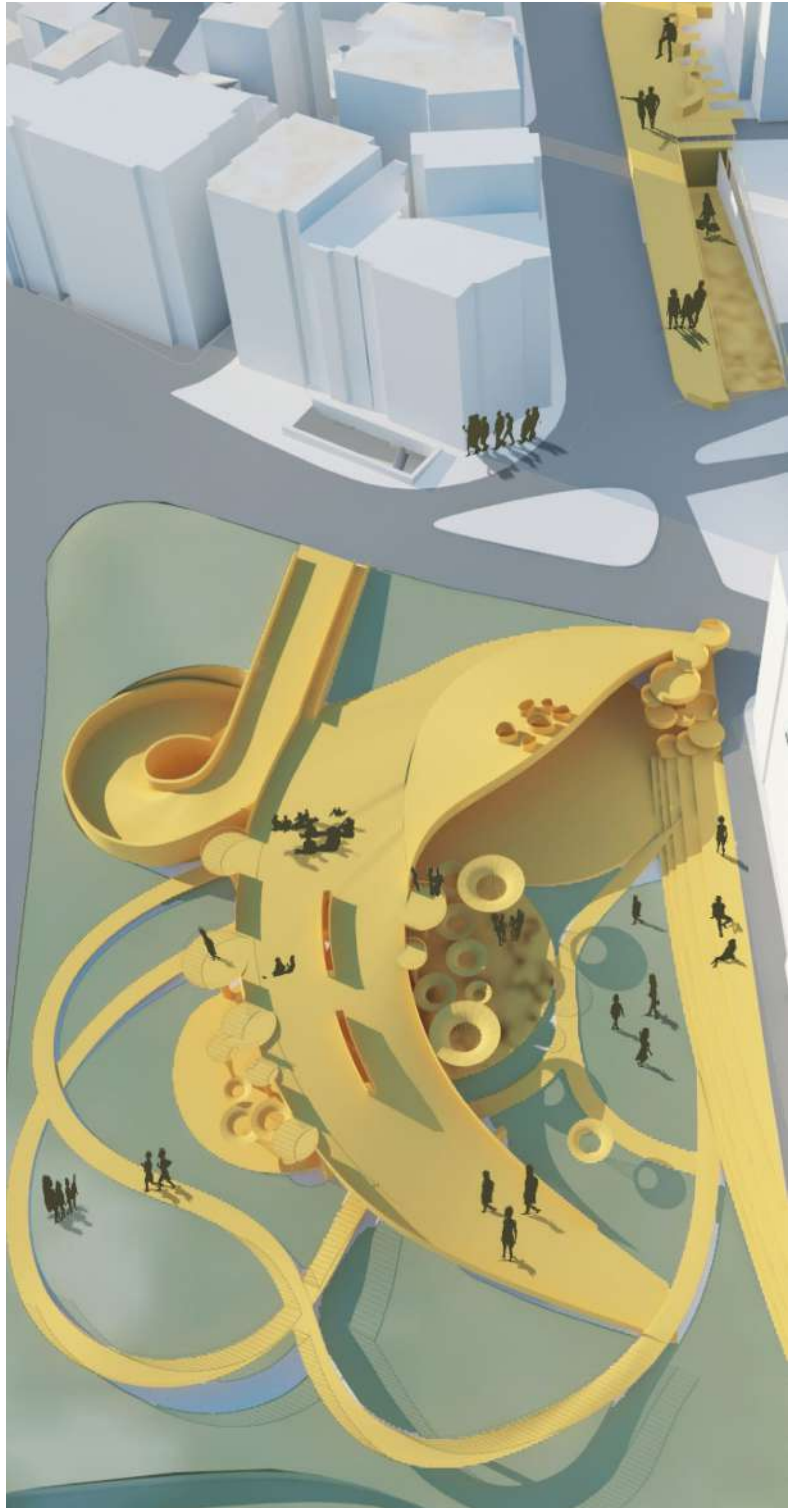
Location : Sisli, Istanbul
 Category: Urban Park
 Project Type: Group Project w/Gizem Ulukardesler
 2020 Spring Term
 Urban Design I

EXISTING SITUATION

In the existing plan, Sishane Park is located right next to the Sishane Subway with a bazaar. Bazaar is connected to the subway directly. A parking lot is located right next to the Sishane Park. Sishane Square is located 6 meters below Sishane Park. People use the Sishane Square as for a passing path.

DESIGN PROPOSAL

In the light of analyses of Sishane, it is aimed to design a recreation area where various people from different groups can come together. Thus, a recreation area is designed in the place where Sishane Park is located. Recreation area and the Sishane Square are connected to each other directly with the underground. It is aimed to transform Sishane Square into an open place where people can spend their time rather than just passing by. Thus, an underground shop is designed for Sishane Square and sitting equipments are located parallel to circulation. The square is recreated by keeping the balance between hard ground and green space. Sishane Square appeals to general users, while Sishane Recreation Area appeals to a specific user group. Walking and biking paths are proposed for the recreation area. Collapsible coverings are designed which open and close themselves with solar energy. Due to the sunny weather, they act as shadowing. They protect the user from rain on rainy weather. On cloudy weather, they close themselves and help to absorb the light.



ratio of presence in the region

what do they do?

ŞİŞHANE USER PROFILE ANALYSIS





Section 1-1



Section 2-2



SUN PANEL

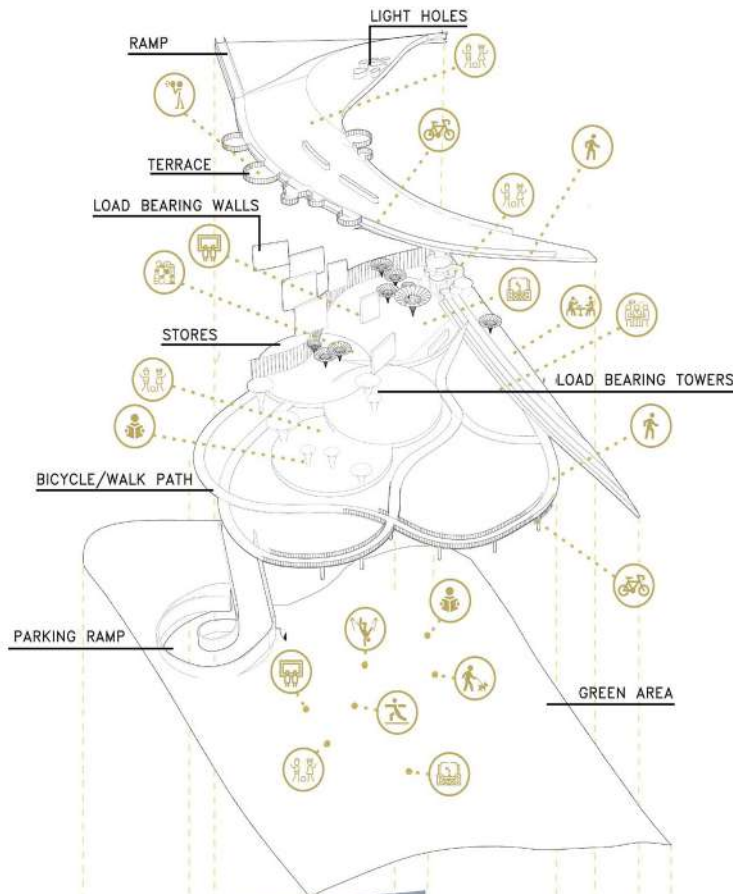
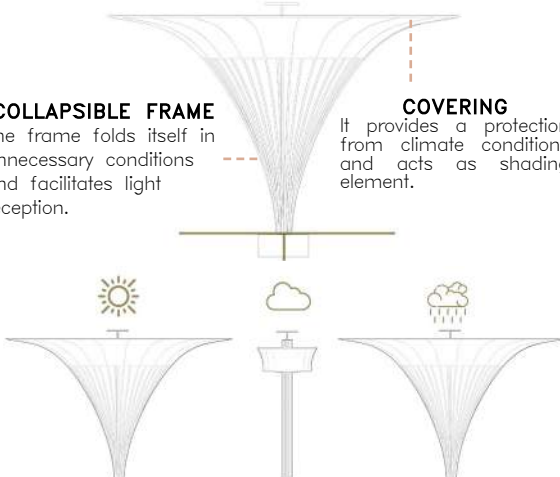
Through absorbing the solar energy, it provides the energy for opening and closing. At nights, it functions as lighting element. Also, the weather is perceived according to the form of the panel.

COLLAPSIBLE FRAME

The frame folds itself in unnecessary conditions and facilitates light reception.

COVERING

It provides a protection from climate conditions and acts as shading element.



08 COMPETITION PROJECTS

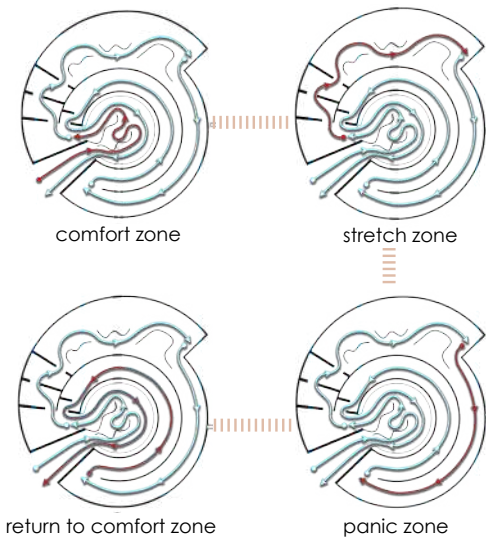
2020, June

Turkey

Design: Tayis Karakütük, Tuğba Doğan, Hüseyin Alan

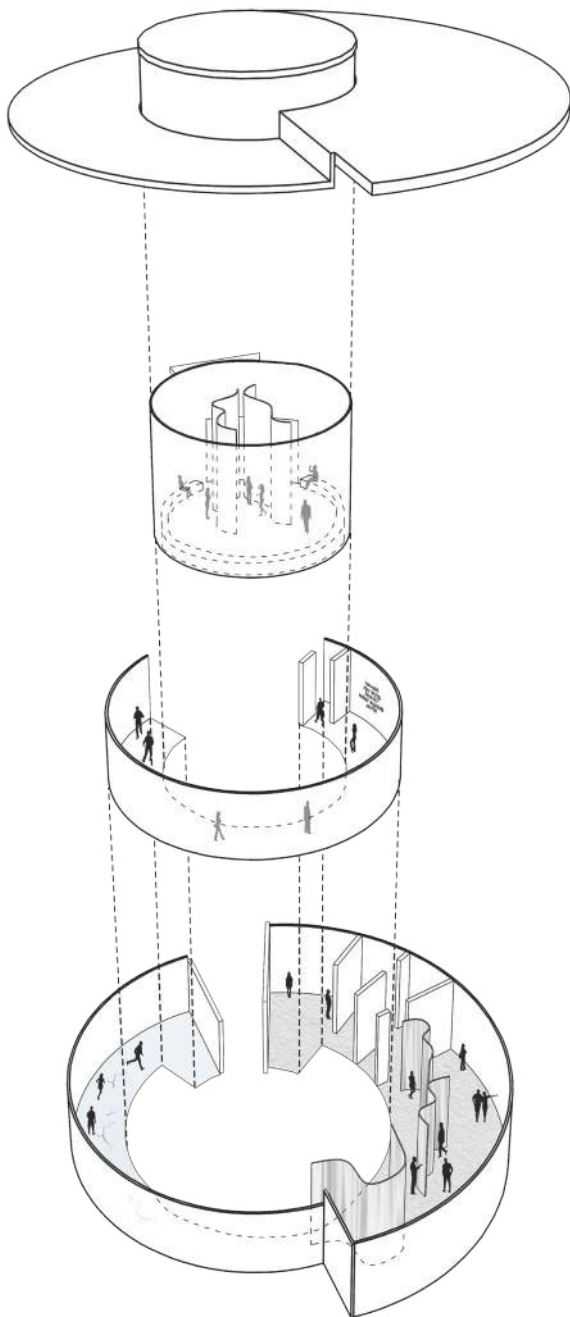
● Responsible Architecture Transparent Space Competition(Sorumlu Mimarlık Şeffaf Mekan) was held as a part of Responsible Architecture Transparent Space Workshop.

A psychological pavilion is proposed where it is aimed to create reckoning platform for visitor. The pavilion is designed by being inspired of comfort, stretch, panic zones which have been in a continuous cycle throughout our lives. This pavilion aims to wake an awareness for each user about his/her own life. The pavilion has a glass facade. It consists following zones: A comfort zone where we feel safe and sufficient but we cannot actually develop, a stretch zone that enables us to have different experiences and where we encounter various difficulties, a panic zone that puts us at an impasse from time to time, and finally a corridor that enables us to return to the comfort zone. The user leaves the pavilion with raised awareness on his/her own identity by facing his/her fears. The potentials that each area has within itself have been considered as a threshold point and the interior setting has been created accordingly.



THRESHOLD HONORABLE MENTION





2020, July

Design: Tayis Karakütük

● Imagine Taksim! Student Idea Competition for Taksim Square is held by İBB, İPA, BİMTAŞ

A project about the people who transform Taksim Square into a cultural center within the new system in the year of 2080 when humanity copes with epidemic diseases is proposed for Student Idea Competition for Taksim Square. "The Matter of the Dream" project is about 2080 when people are forbidden to go outside because of not being able to cope with pandemics. There are inanimate copies (in a way, robots) of each person who are responsible

for transmitting signals to their user by experiencing the real world. Activities are monitored by ruling powers. Every user has a profile on database of administrators and personal information can be accessed. The demands of users are evaluated by examining the intensity of circulation in regions. According to the scenario, Taksim Square is transformed into a culture-art point. Without intervening the existing structures, the spaces are transformed into places where users make art and socialize. "How do the demands of people transform cities" is the main issue of the project.



ANALİZ EDİLİYOR...

ORTAM SESİ DİNLENİYOR...

KOORDİNATLAR: 52.9527° N, 42.2123° E
GÖRSEL ALGILANIYOR...
TESPİT EDİLEN: SİMİT
KOKU MOLEKÜLLERİ FORMÜLE EDİLİYOR...

TAT OLUSTURULUYOR...
SERTLİK AYARLANIYOR...
SICAKLIK AYARLANIYOR...
HACİMSEL ETKİ AYARLANIYOR...
BES DUYUNUN ÇIKTILARI BAŞARIYLA OLUSTURULDU.

VERİLER
İÇE AKTARILIYOR...

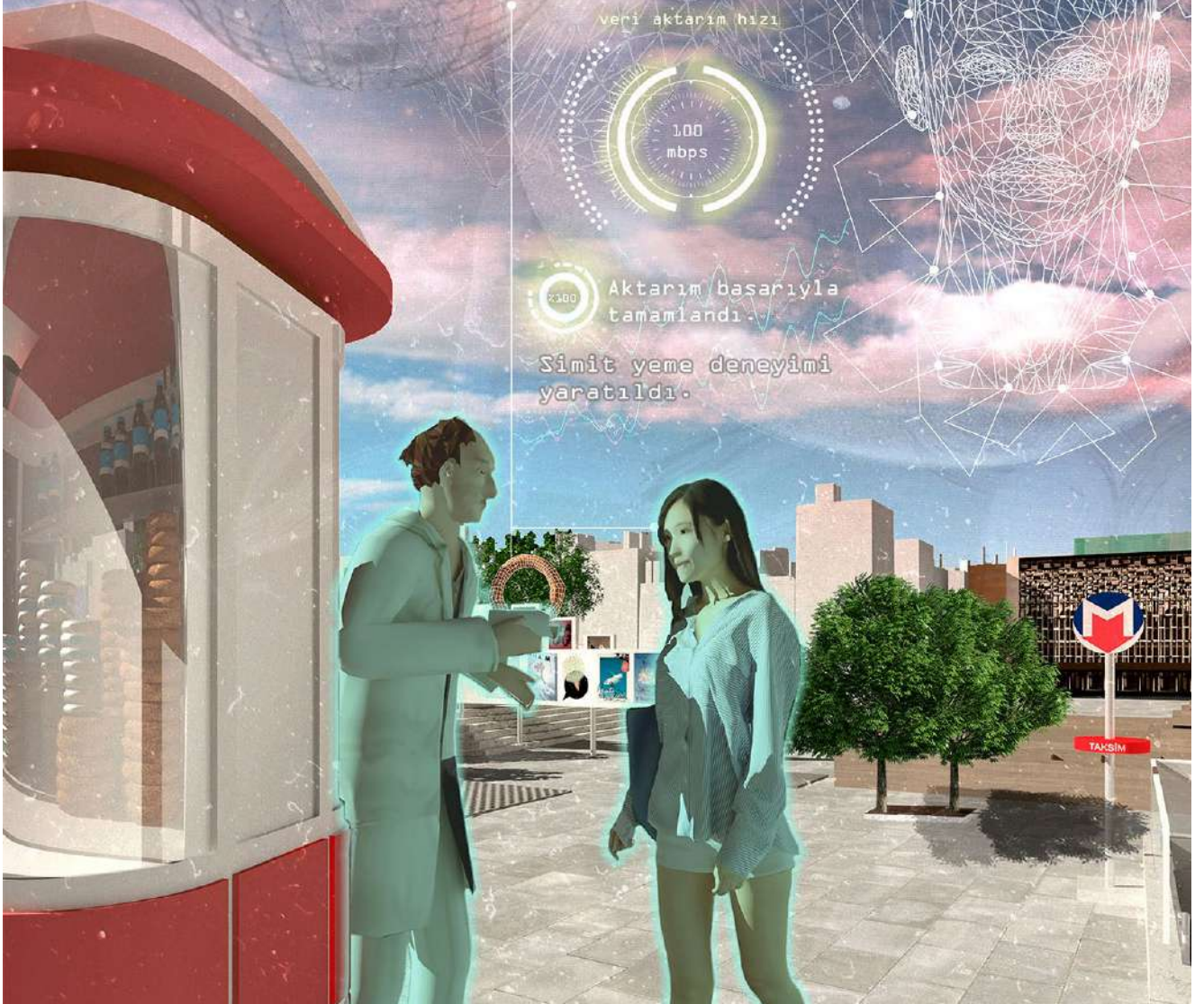
veri aktarım hızı

100
mbps

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Aktarım başarıyla
tamamlandı.

Simit yene deneyimi
yaratıldı.

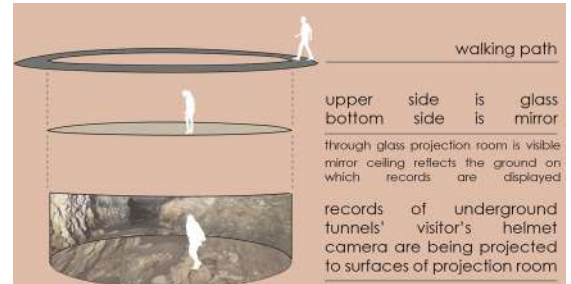
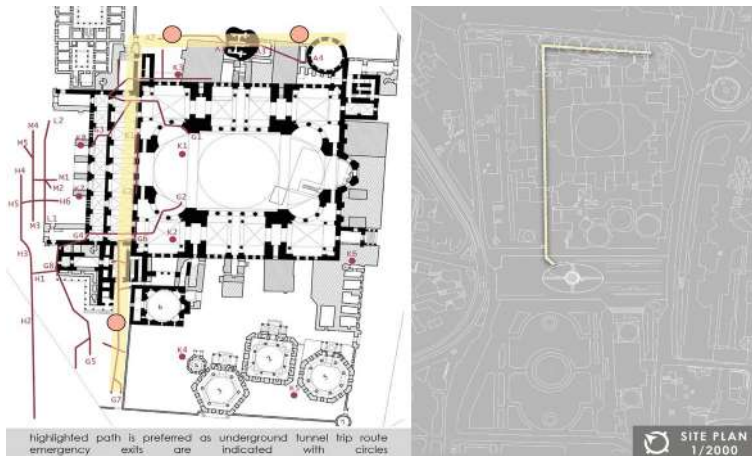


2020, October

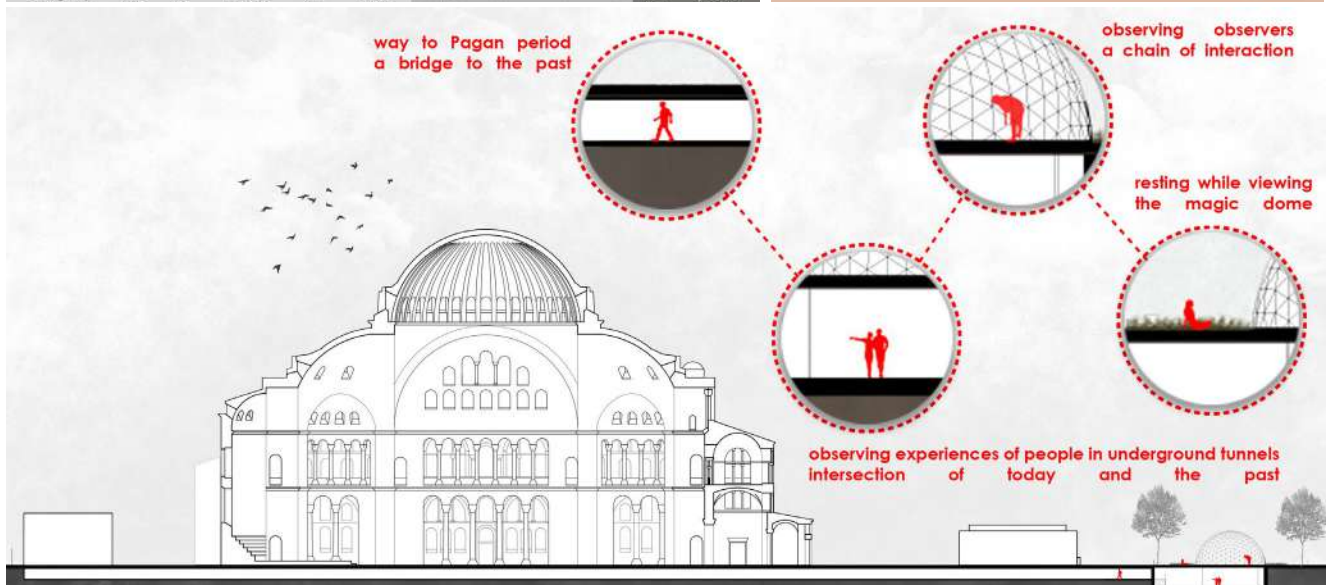
Design: Tayis Karakütük

● Competition is held between interns of Kreatif Architecture as a part of summer internship.

The aim of the competition was based on designing a project for Hagia Sophia Square considering Hagia Sophia's transformation to mosque in July 2020. Before proposal, the underground structures of Hagia Sophia were studied. It is aimed to open underground tunnels to visits. The story of underground structures goes back till Paganism hence a hidden era of Hagia Sophia is revealed. A dome is proposed due to "magic circle" of Pagan rituals. Magic Dome plays a role as interactive visiting center for underground tunnels and information point.



it is aimed to create a spot where **exchange of experiences** can be done. Inside the project room viewers are able to experience what people in tunnels are experiencing. In addition to this, viewers in dome are able to experience what people in projection room are experiencing. A **chain of interaction** is created.



55

12

WORKSHOP PROJECT

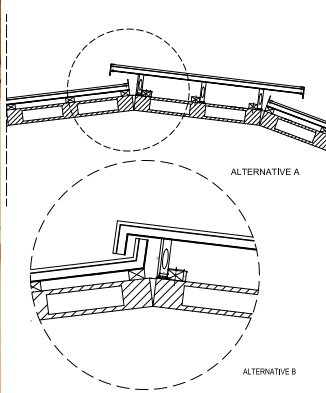
Realization 2019: Lisa Ackert, Sarah Beyer, Elisa Bischof, Jitka Effenberger, Corinna Hiemer, Stefanie Hueber, Daniela Lockowandt, Johannes Meier, Aaron Merdinger, Tayis Karakütük, Marion Kohler, Sandra Köster, Julia Raffel, Helena Rummo, Martin Schachenhofer, Alexandra Scharfner

Design supervision and site management:

Christoph Wiesmayr

Consultant + earthwork: Dominik Abbrederis

An arched construction was designed and later built through the effort of students of the University of Art and Design Linz, migrants and the local garden community. The main focus of this project is resource-conscious use of building materials. A lot of the building materials were salvaged from the University of Art and Design Linz, before major renovation works began in 2017. Glass and wood panels, multi-wall sheets made from plastic, were reused. Further material was collected from the local recycling center. Excavated earth was used in a rammed earth wall inside the greenhouse. I contributed with detail drawings of roof made of wooden panels and helped through realization process.



GLEINK GREENHOUSE

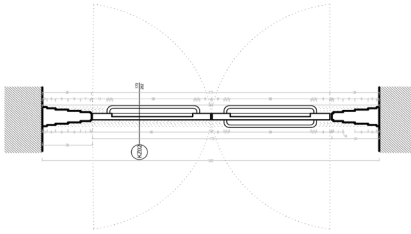


Photo: Kurt Hoerbst

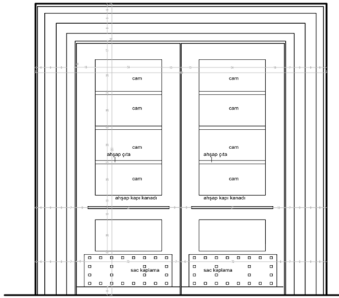


2020, November
Istanbul, Turkey
Anfora Mimarlık Restorasyon Tas. Dan.ve İnş. Ltd. Şti.

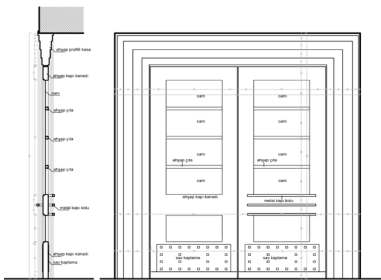
Worked for restitution and
survey drawing of Tahir Han
(Architect: Vedat Tek) on a project term.



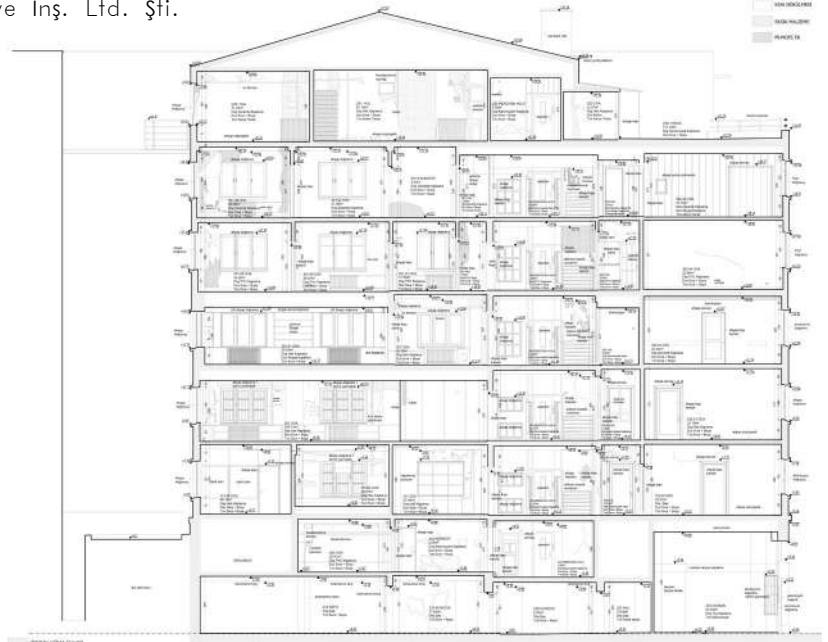
Entrance Door Plan



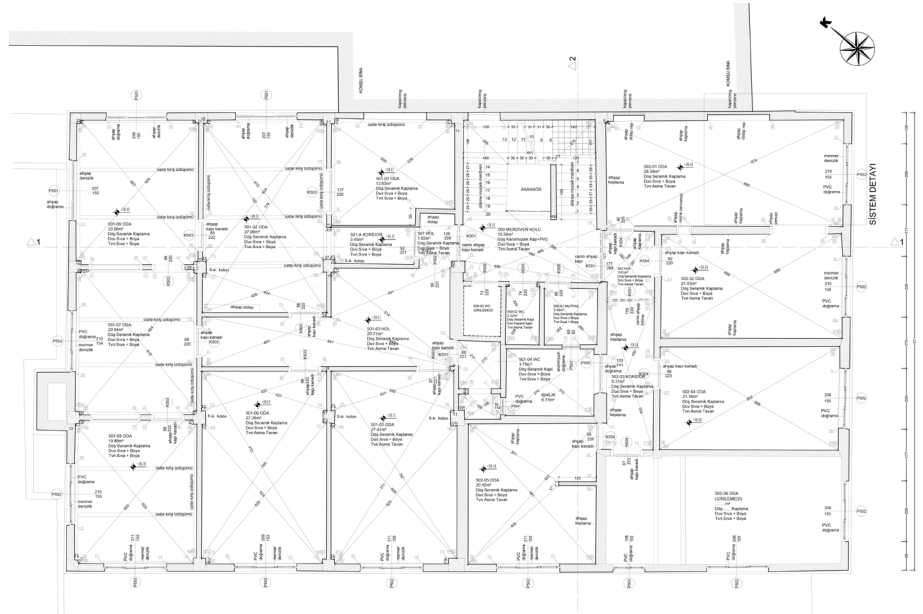
Interior Elevation



Section & Exterior Elevation



Section 1-1



FIFTH FLOOR PLAN

Softwares: 3dsMax, V-Ray, Photoshop





THANK
YOU



TAYİS KARAKÜTÜK

tayiskarakutuk@gmail.com