ARCHITECTURE

PORTFOLIO

SEDA ERTUĞRUL

RESUME



ABOUT | SEDA ERTUGRUL

CONTACT

E MAIL | sedaertugrulll@gmail.com

SKILLS | Freehand drawing + Modelling+ Photography + Collage work

HAVE | Green card (USA) + Driving license

EDUCATION | MARDIN ARTUKLU UNIVERTSY |2015-2019|
FACULTY OF ARCHITECTURE

05 WORKSHOP * 2019 *
She joined the photography studio which was run Murat Germen and Ahmet Elhan. She took part in the exhibition which calls "The Species States of Photos".

ENGLISH | **Intermediate** **GERMAN** | **Elementary**

3D MAX
INDESIGN
ILLUSTARATOR
PHOTOSOP
AUTOCAD
SKETCHUP
LUMION
ARCHICAD
RHINO
ArcMap - ArcGIS Pro - ArcScene (certified from Esri)

CONTENTS :

01 URBAN DISASTER KIT
in
ISTANBUL / Kadıkoy
Architecture Design V Project

02 MOSQUE
in
ETHIOPIA / Addis Ababa
Architecture Design III Project

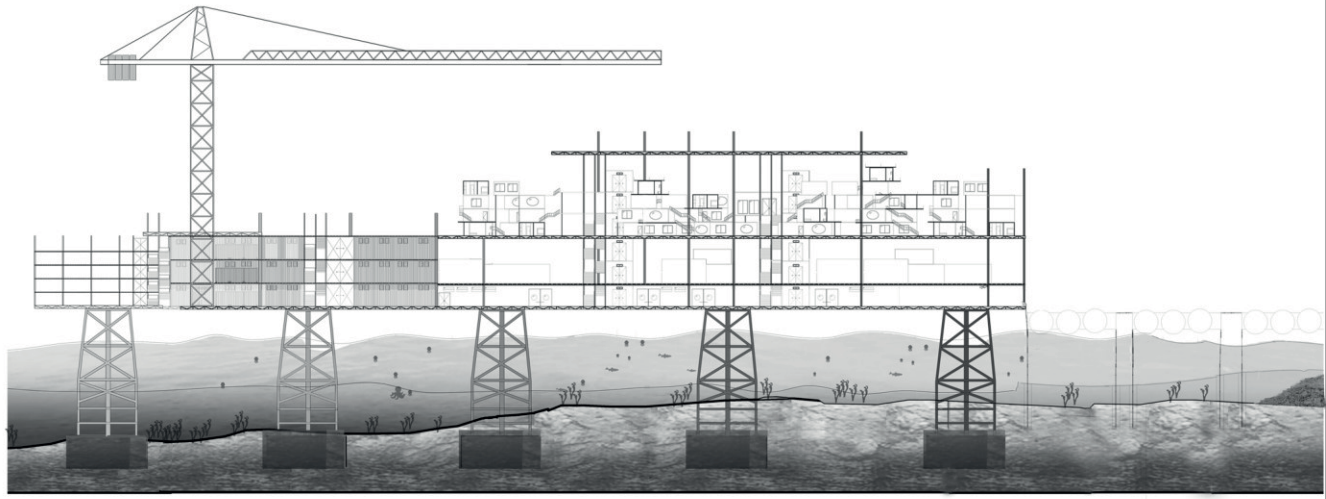
03 FABLAB
in
DIYARBAKIR / Ofis
Architecture Design VIII Project

04 WORK EXPERIENCE OF RESTORATION
2020-2021 7 month
in
DIYARBAKIR/ MSG Architecture

01 URBAN DISASTER KIT

Disaster Kit Before Earthquake In Istanbul

Architecture Design V Project



FENERBAHÇE NEIGHBORHOOD DISASTER SETTING PLAN

I will make inferences on the Fenerbahçe neighborhood disaster plan and I will form the base of my project.
On this map, they have marked and selected locations where there are several features that they qualify as advantageous situations.
My aim here is to provide an urban earthquake kit by criticizing the lack of advantage of the system for emergency situations, even if advantageous situations are not considered an urban scale.

FENERBAHÇE MAHALLESİ AFET YERLEŞİM PLANI

Fenerbahçe mahallesi afet yerleşim planı üzerinden çıkarımlarda bulunarak projemin altlığını oluşturucağım.
Avantajlı durumlar olarak nitelendirdikleri birkaç özelliğin bulunduğu yerleri işaretleyip seçmişler. Burdaki amacım avantajlı durumların bile kent ölçeğinde değerlendirince bir avantaj sağlmadığı ve acil durumlar için sistemin yetersizliğini eleştirip kentsel bir deprem kiti tasarlamak.

TENT AREA

= 20 PEOPLE



Fenerbahçe park, which is a filled park, is one of the last places that can be reached during the earthquake due to the fact that the park is filled with tent.

Tent
Temporary accommodation
bag \ blanket
first aid
construction material
hot food
water-bread
clothes
stores
protection materials

TOPLAM NÜFUS 17.604
ERKEK NÜFUSU 7.721
KADIN NÜFUSU 9.883
FENERBAHÇE PARKI ALANI 60.000 M2
TOPLAM ÇADIR 850TOTAL POPULATION 17.604



EMERGENCY MEETING CENTERS

1st DEGREE COLLECTION AREA

Collecting area where the help of clothes, water and clothing will be provided

The problem here is the problem of access to these areas, scattered in certain parts of the city, and the other problem is that there is no guarantee that these areas will remain in the destruction of the disaster.

2nd DEGREE COLLECTION AREA

Temporary shelter - bags \ blanket - first aid \ medication - hot food - water-bread - clothes - food - preservatives
aid center



They choose the 2nd meeting area by evaluating the surrounding areas such as the basket area and the open car parks.

SCENARIO 1 parking lots are filled with trees and the calculated net area is reduced

SCENARIO 2 overturning trees in the field

TRANSPORTATION



Maximum 26 vehicles fit. 39 vehicles out of an apartment.
3th area 3 ( ) have input

3th Area calculated as region needs of the site it is even insufficient.



3th DEGREE COLLECTION AREA

net area 20.000 m2

2 Number of floors: 14
Apartment: 56
Building population: 168
area: 554.65 m2
Number of vehicles: 56

1 Number of floors: 14
Apartment: 56
population: 168
area: 554.65 m2
Number of vehicles: 56

Benefits
Open area
- car park
- garden
closer to needs a region



4 Number of floors: 13
Apartment: 39
Population: 117
Area: 445 m2
Number of vehicles: 39
Turkey job bank
250 m2
7 m height

6 Floor height: 8
area: 280 m2

7 Number of floors: 13
Apartment: 39
Population: 117
Area: 420 m2
Number of vehicles: 39

3 Number of floors: 14
Apartment: 56
Population: 168
area: 554.65 m2
Number of vehicles: 56

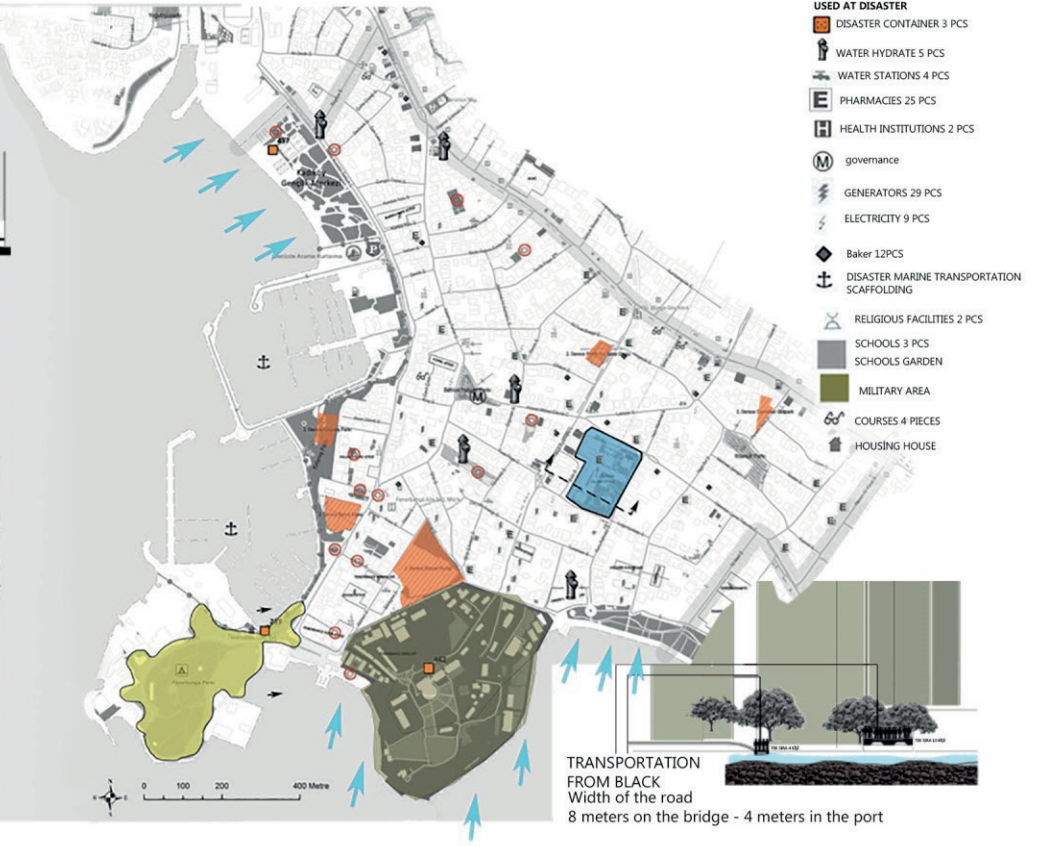
8 area: 250m2
7 m height

5 Number of floors: 13
Apartment: 39
Population: 117
Area: 430 m2
Number of vehicles: 39



Temporary shelter, bag \ blanket, first aid \ medication, construction material, hot food, water-bread, clothing, preservatives

SCENARIO 1 (transport by car)
tree overturns * road closes
demolition of building * road closes
(longer term)
vehicle failure * road closes
(can't attract attractive)

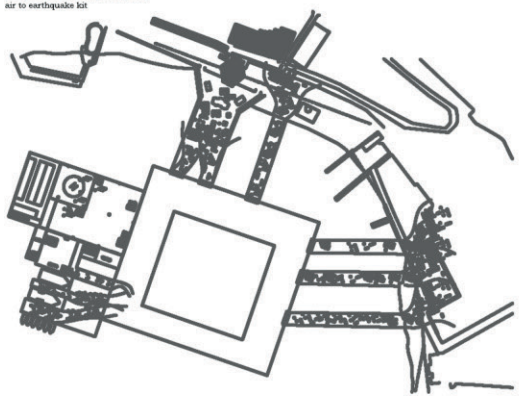


USED AT DISASTER
DISASTER CONTAINER 3 PCS
WATER HYDRATE 5 PCS
WATER STATIONS 4 PCS
PHARMACIES 25 PCS
HEALTH INSTITUTIONS 2 PCS
governance
GENERATORS 29 PCS
ELECTRICITY 9 PCS
Baker 12PCS
DISASTER MARINE TRANSPORTATION SCAFFOLDING
RELIGIOUS FACILITIES 2 PCS
SCHOOLS 3 PCS
SCHOOLS GARDEN
MILITARY AREA
COURSES 4 PIECES
HOUSING HOUSE

TRANSPORTATION FROM BLACK
Width of the road
8 meters on the bridge - 4 meters in the port

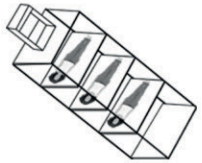
PREPARATION FOR THE BIG MARMARA EARTHQUAKE

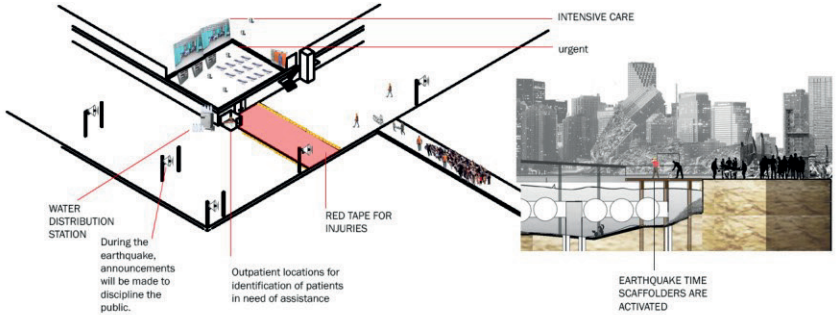
Diagram of approximately thousand people coming from the shore, land, air to earthquake kit

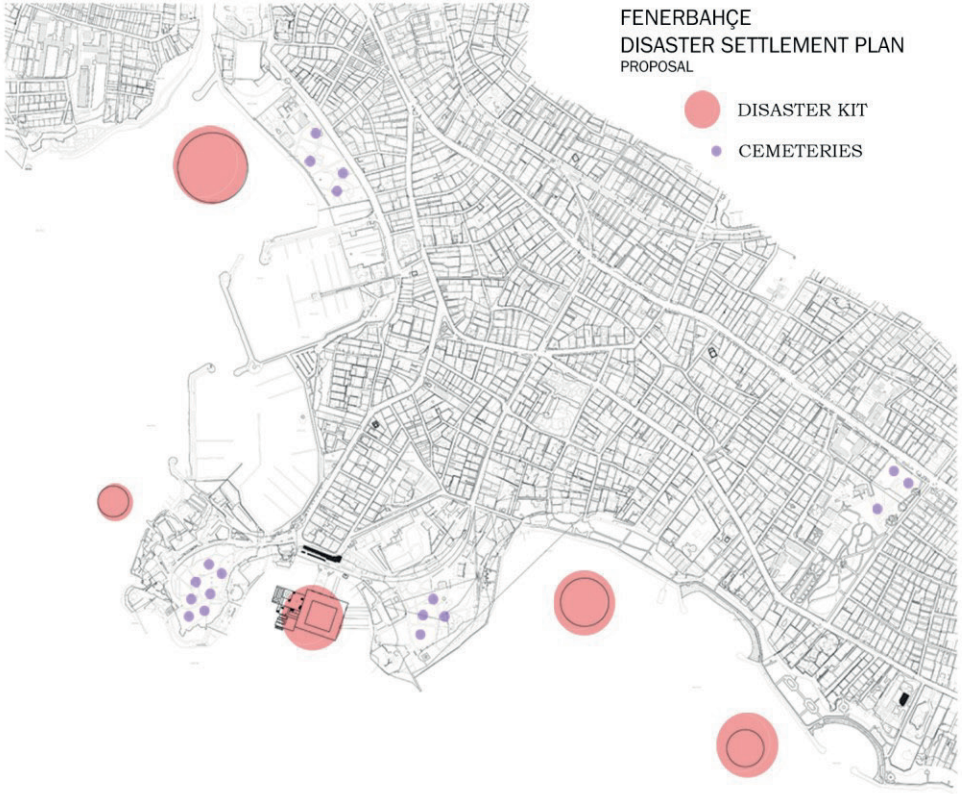


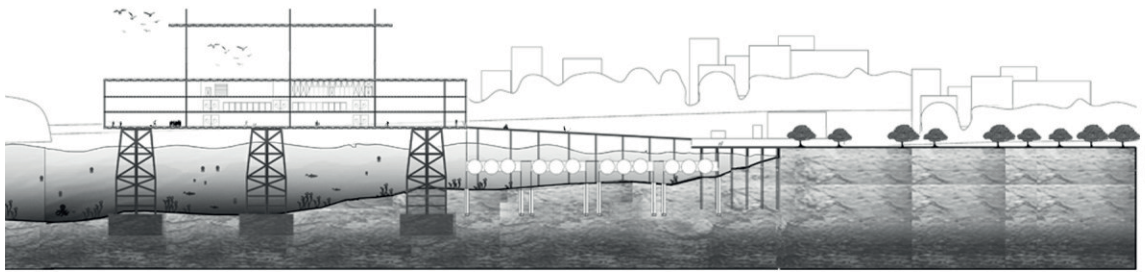
Since it is difficult to bury those who died in the earthquake, I am designing a system to bury those dead quickly.

I'm designing a mechanism that works underground to selected parks to accelerate burying. The bodies removed from the wreck will be kept in the underground cemetery by sterilizing with lime and placing them on shelves.

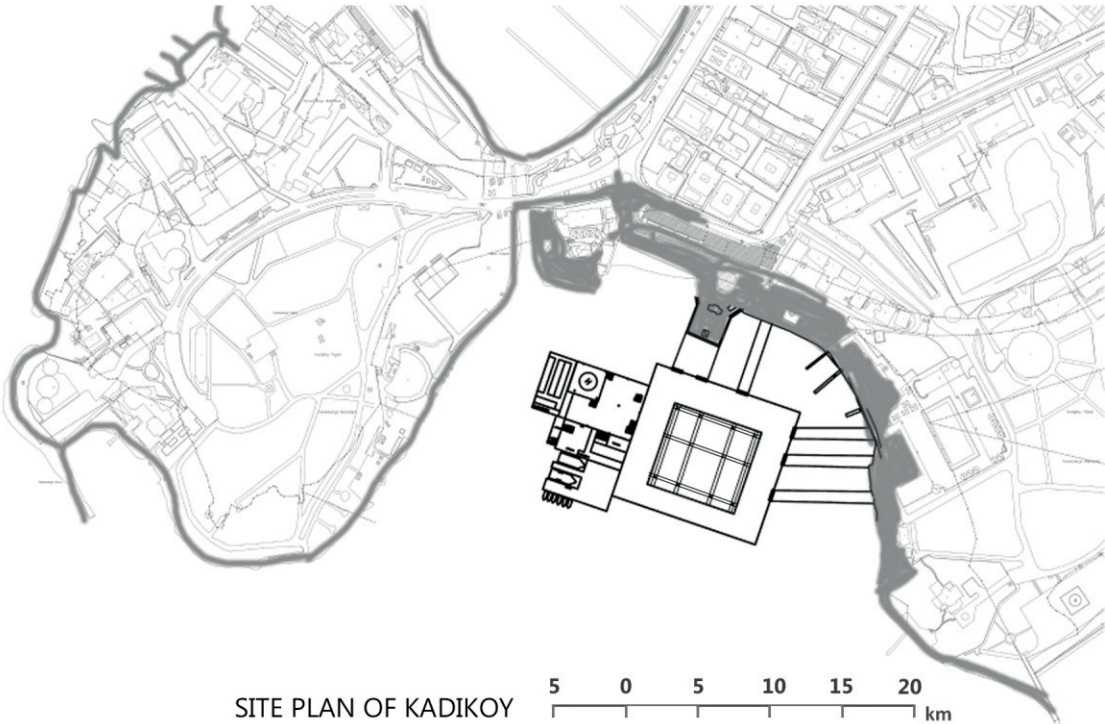








B-B SECTİON



SITE PLAN OF KADIKOY

0 m LEVEL PLAN

Ground level is used for public space before earthquake. Doors are opening after the earthquake for activate to emergency floor.

1.HORİZONTAL AXLE

2.VERTİCAL AXLE

3.PEDESTRİAN ENTRANCE-PERSONNEL

4.CRANE

5.LOAD UNLOADING

6.PERSONNEL AXLE

7.56 PEOPLE'S PERSONNEL SHELTERS

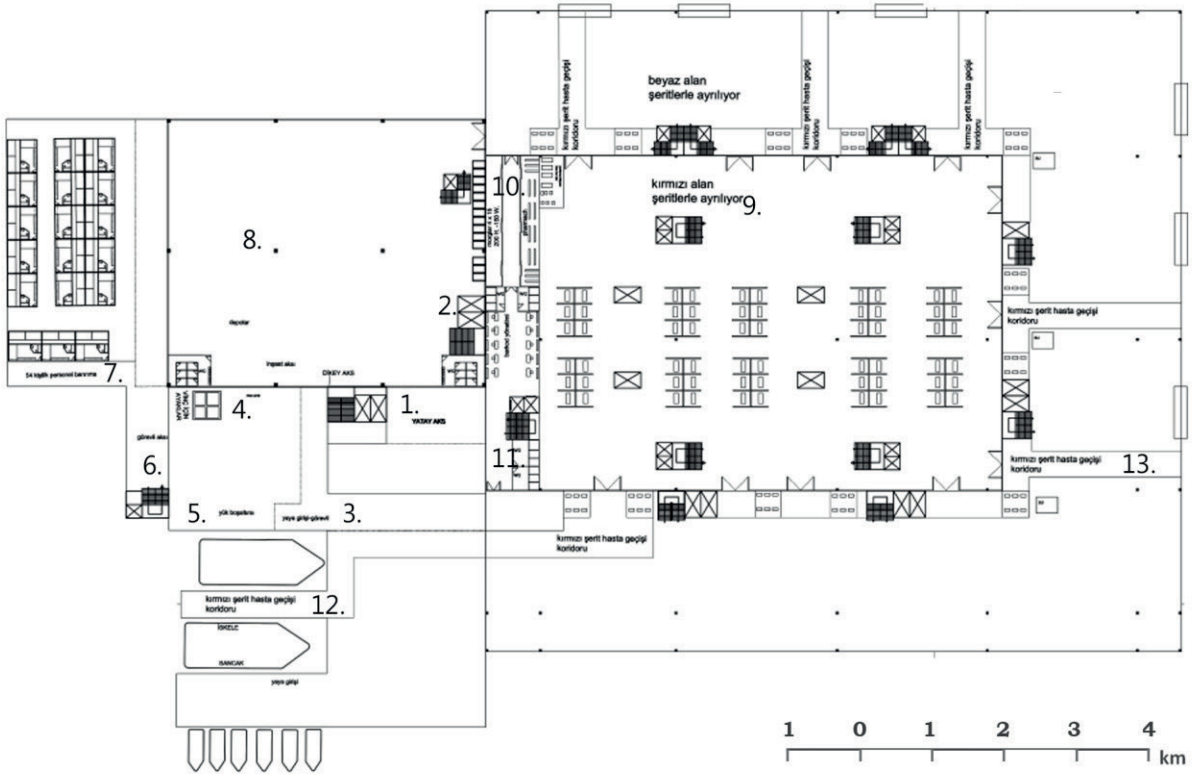
8.DEPOT

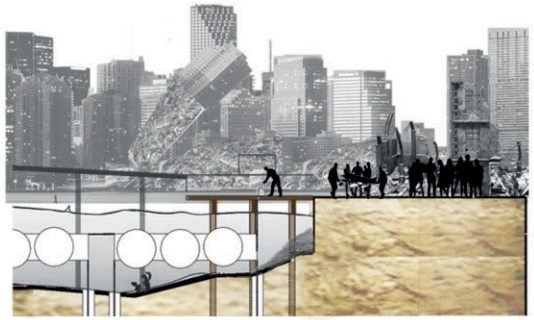
9.INTENSIVE CARE

10.PHARMACY - MORGUE

11.BARCODE

12.SCAFFOLDING





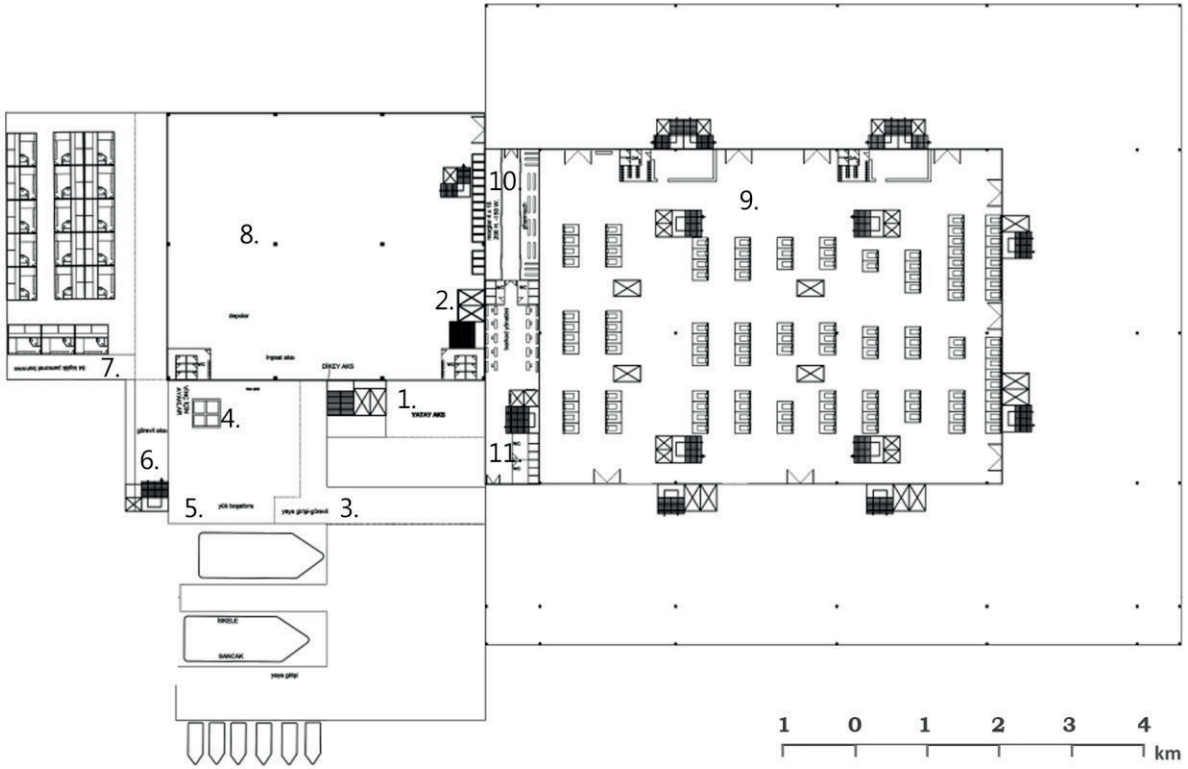
For opening entrance during the earthquake and make the structure working



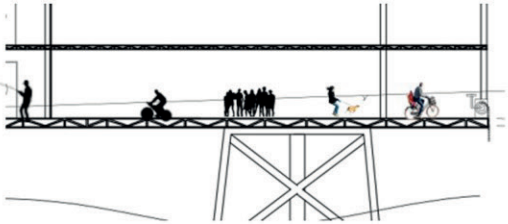
Mobility after earthquake

10 m LEVEL PLAN
Intensive care \ hospital
transportation from both land and from the sea.
When prefabricated material set up with crane and disaster kit is actived.

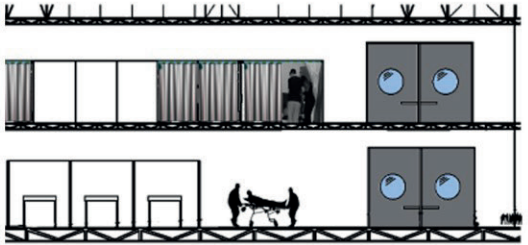
1.HORİZONTAL AXLE
2.VERTİCAL AXLE
3.PEDESTRİAN ENTRANCE-PERSONNEL
4.CRANE
5.LOAD UNLOADING
6.PERSONNEL AXLE
7.56 PEOPLE'S PERSONNEL SHELTERS
8.DEPOT
9.INTENSIVE CARE
10.PHARMACY - MORGUE
11.BARCODE



Ground floor used as public space before disaster

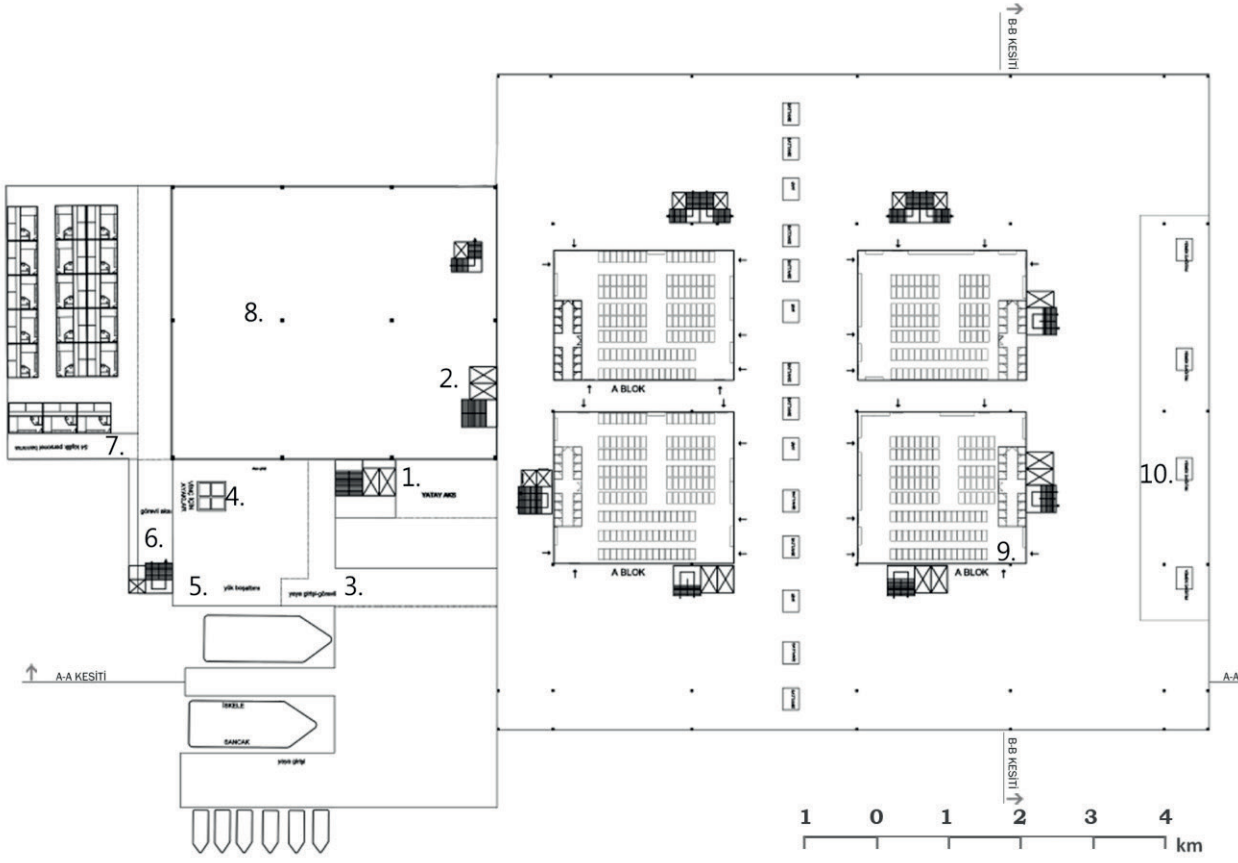


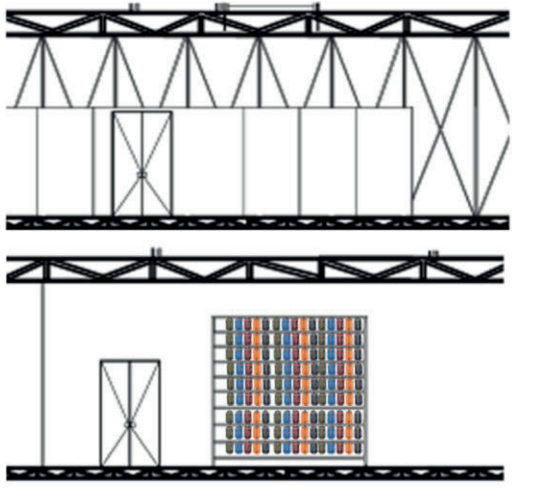
Emergency and intensive care services



15m LEVEL PLAN
temporary shelter

1.HORİZONTAL AXLE
2.VERTİCAL AXLE
3.PEDESTRİAN ENTRANCE-PERSONNEL
4.CRANE
5.LOAD UNLOADING
6.EMPLOYEE AXLE
7.56 PEOPLE'S PERSONNEL SHELTERS
8.DEPOT
9.SLEEPİNG PLAN
10.FOOD AND WATER







Sleeping bags and portable toilets for temporary shelter

20 m LEVEL PLAN
permanent shelter

1.HORİZONTAL AXLE

2.VERTİCAL AXLE

3.PEDESTRİAN ENTRANCE-PERSONNEL

4.CRANE

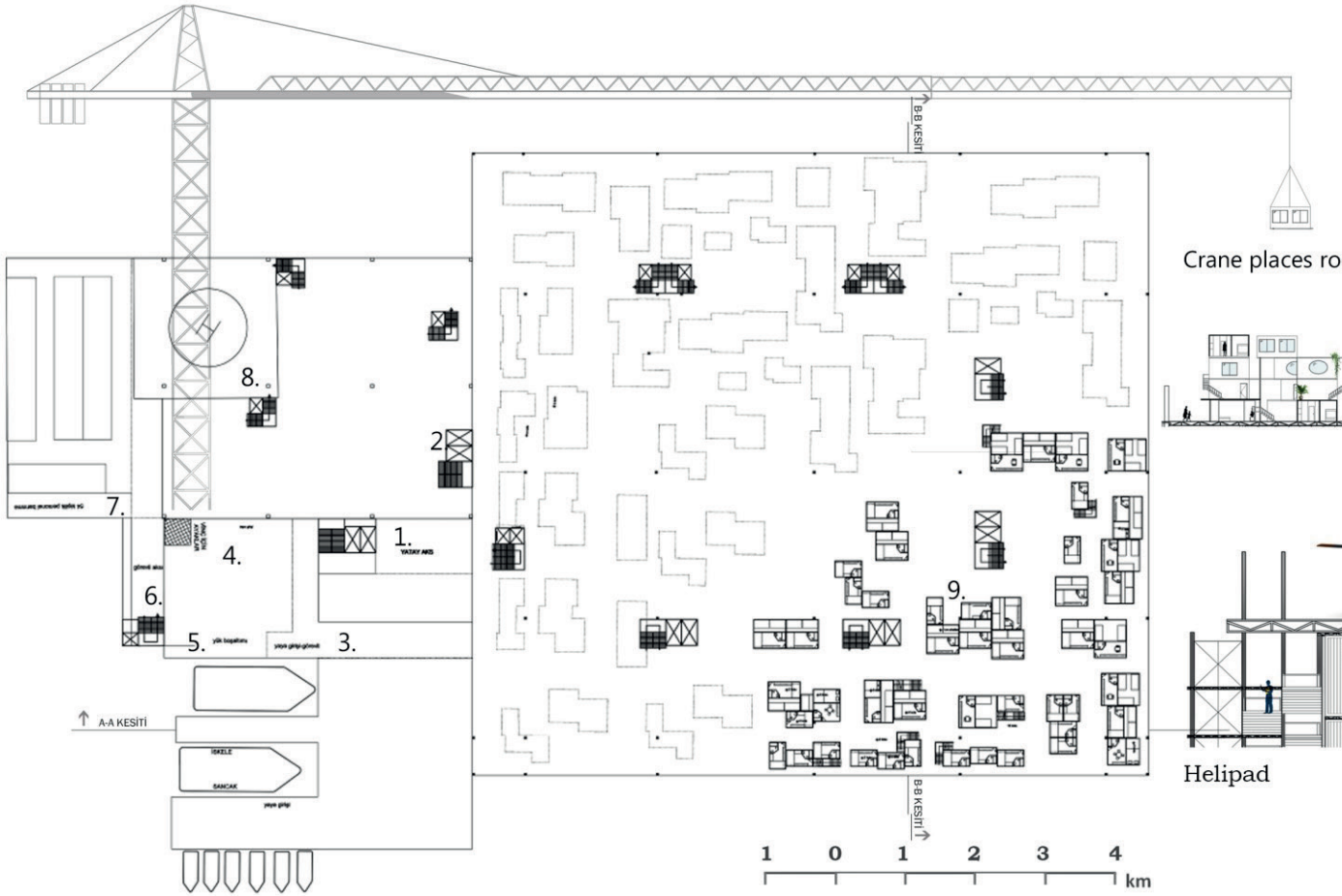
5.LOAD UNLOADING

6.PERSONNEL AXLE

7.56 PEOPLE'S PERSONNEL SHELTERS

8.HELIPAD

9.CONTEYNER SELTER





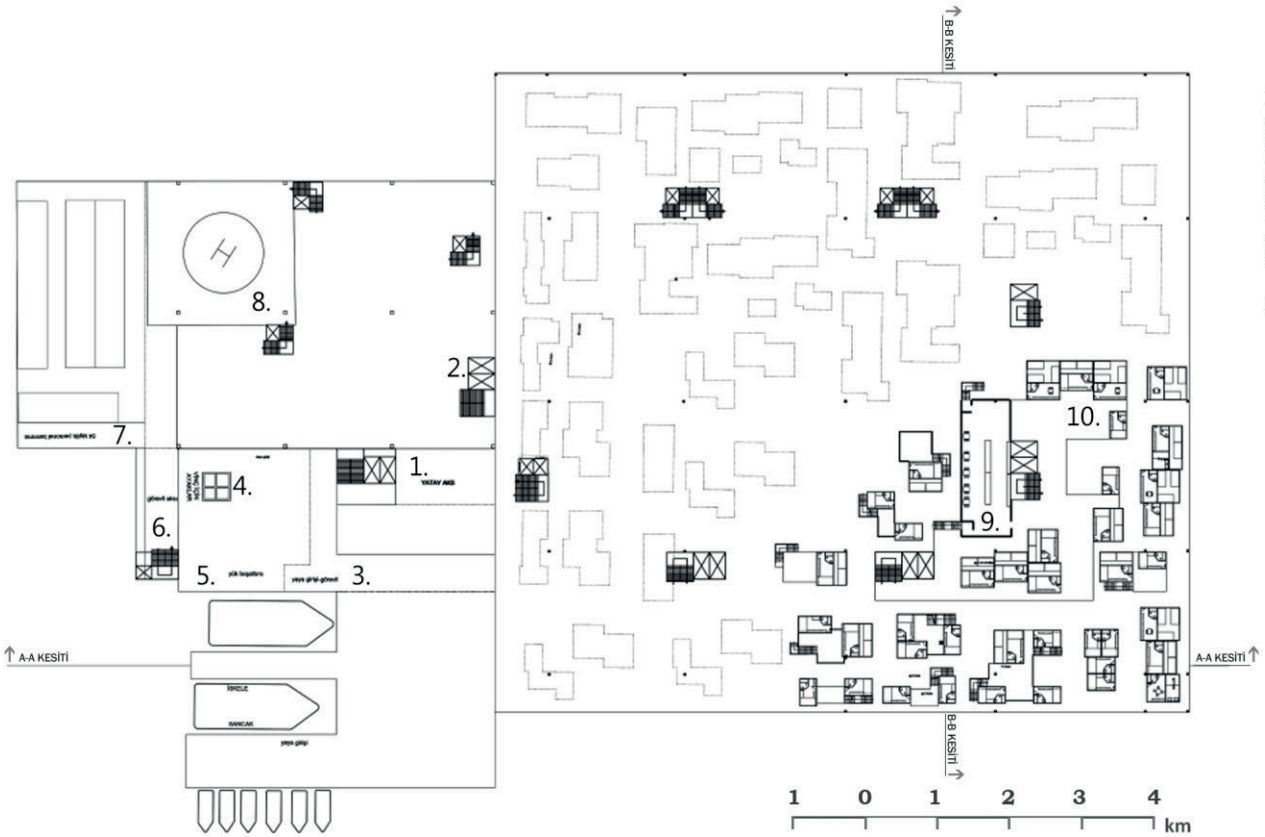
Crane places rooms



Helipad

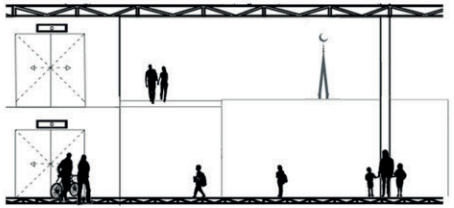
25 m LEVEL PLAN
permanent shelter

1.HORİZONTAL AXLE
2.VERTİCAL AXLE
3.PEDESTRİAN ENTRANCE-PERSONNEL
4.CRANE
5.LOAD UNLOADING
6.EMPLOYEE AXLE
7.56 PEOPLE'S PERSONNEL SHELTERS
8.HELIPAD
9.COMMON KITCHEN
10.CONTEYNER SELTER





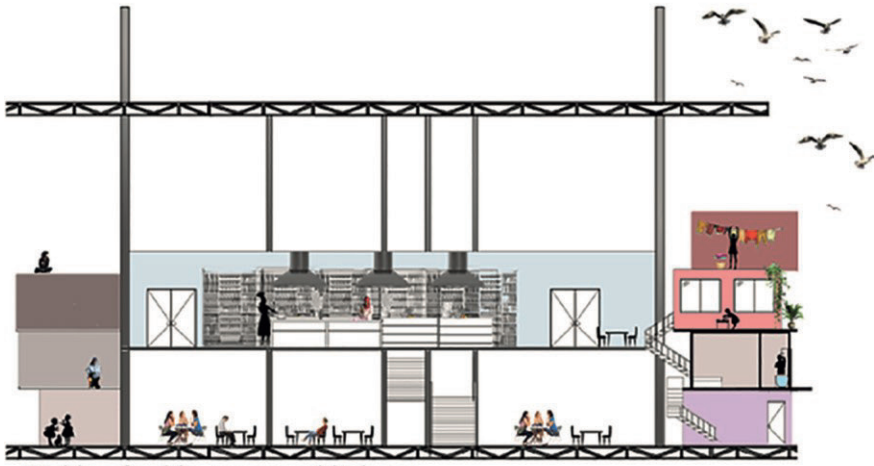
Operation of warehouses



Public space (school, nursery, chapel, gym)

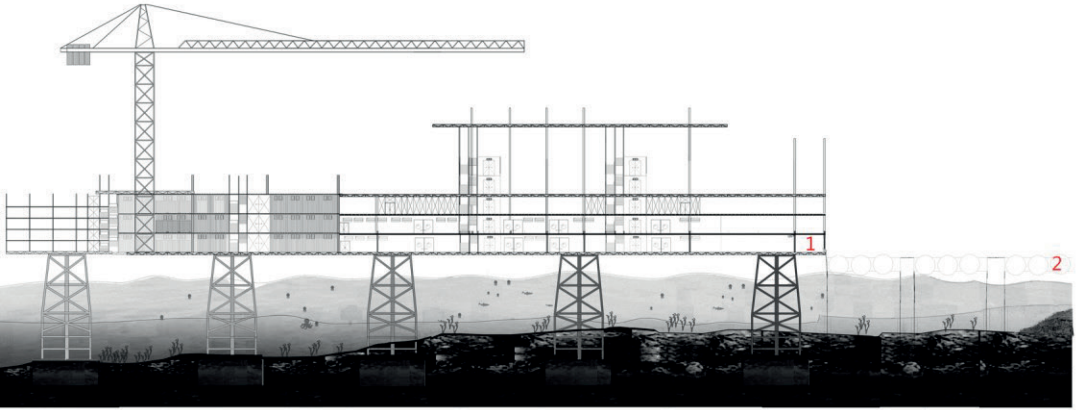


Crane places rooms



Making food in common kitchens

DISASTER KIT BEFORE EARTHQUAKE
USING DIAGRAM



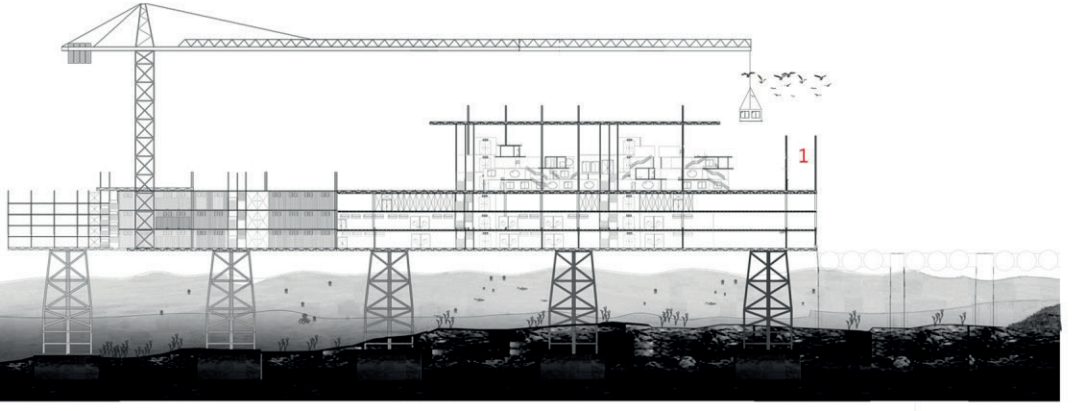
A-A SECTION

1 PUBLIC AREA

THE GROUND FLOOR CAN BE USED ACTIVE BEFORE EARTHQUAKE BY THE SCAFFOLD FROM SEA SİDE TO THE BUILDING.

2 CONFIDENTIAL SCAFFOLDING
STORED UNDERWATER BEFORE EARTHQUAKE

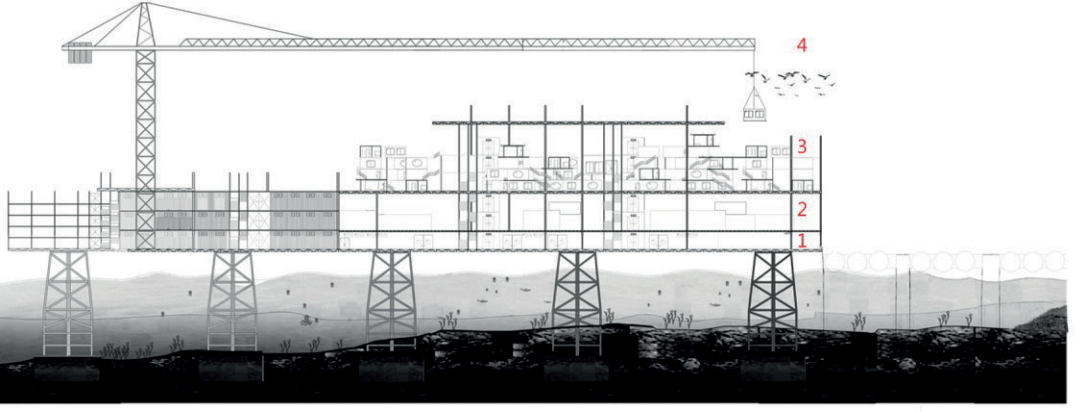
DISASTER KIT AFTER EARTHQUAKE
USING DIAGRAM
DURING EARTHQUAKE



A-A SECTION

1 THE PREFABRICATED BUILDINGS WHICH IS BUILDED IN 2 OR 3 DAYS AFTER THE EARTHQUAKE

DISASTER KIT AFTER EARTHQUAKE
USING DIAGRAM
1 YEAR LATER EARTHQUAKE



A-A SECTION

4 THE CONSTRUCTION IS PROCEED WITH CRANE

3 LIVING AREA

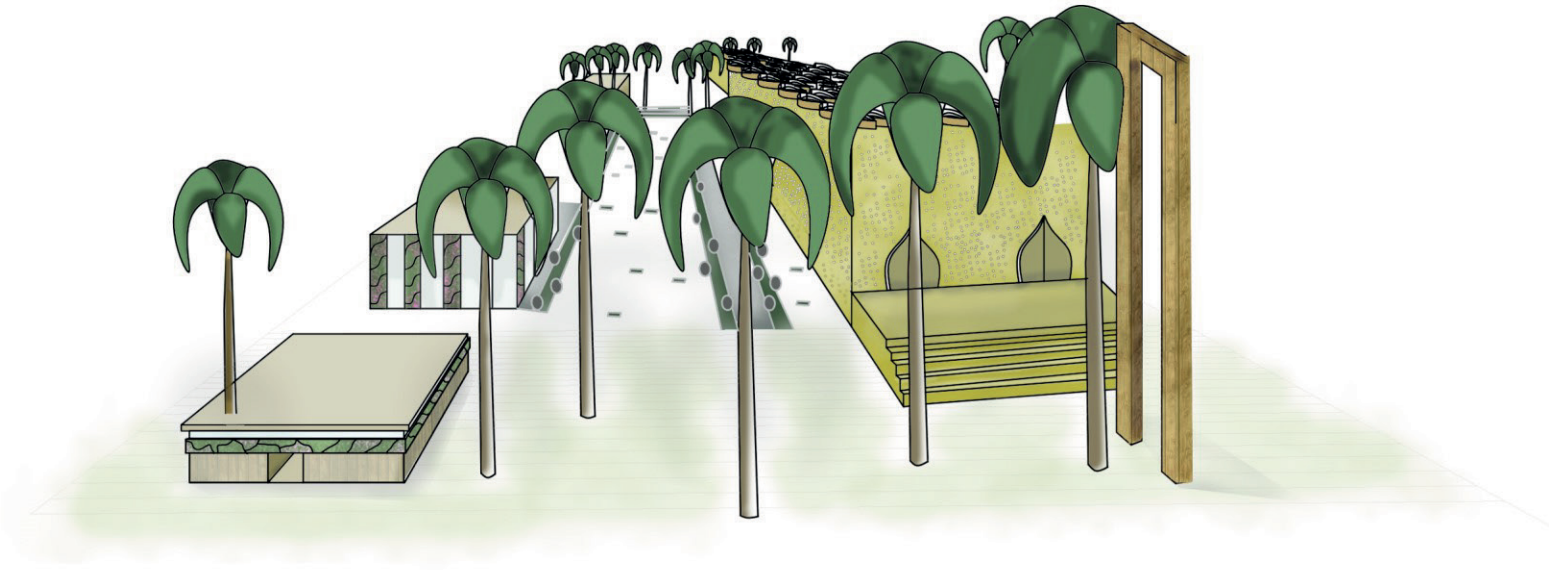
2 INTERMEDIATE PLACEMENT IS REMOVED

1 PUBLIC AREA IS PRODUCING
(SCHOOL, NURSERY, MOSQUE, SPORTS HALL LIKE)

02 MOSQUE IN ETHIOPIA

Addis Abbaba , University campus

Architecture Design ||| Project



ADDIS ABABA / ETHIOPIA

- FIRST INDOOR LOCATION

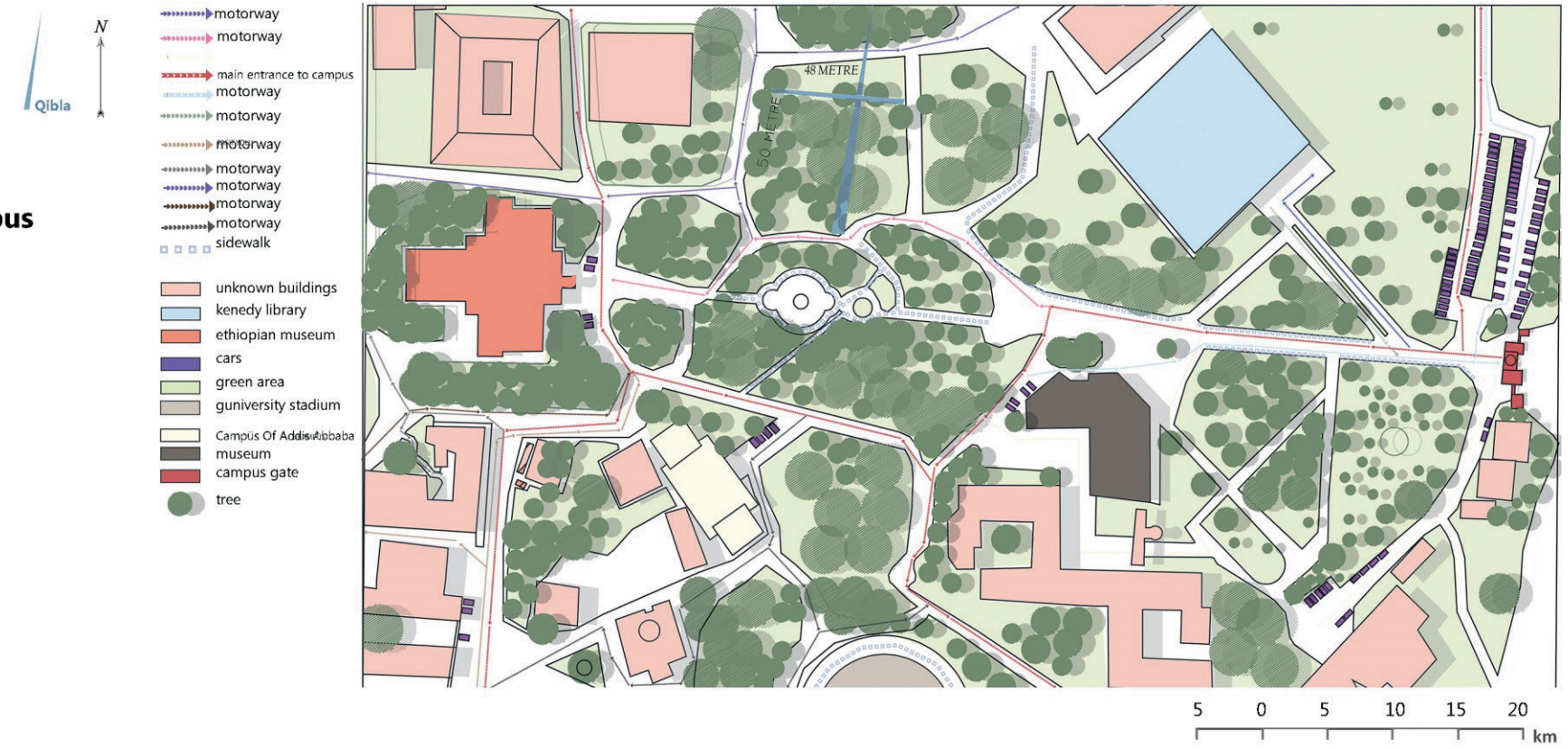
- AFRICAN UNION CENTRAL

40% MUSLIM
60% HRISTIAN
ETNIC STRUCTURE ON 80%

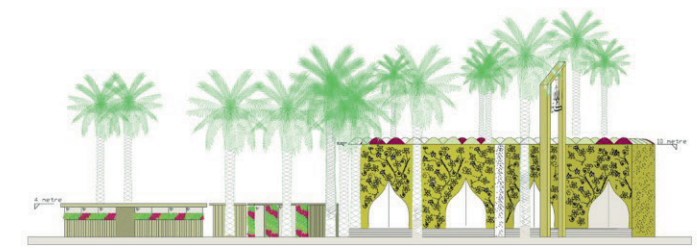
- WAS NOT RECOMMENDED AFRICAN COUNTRY

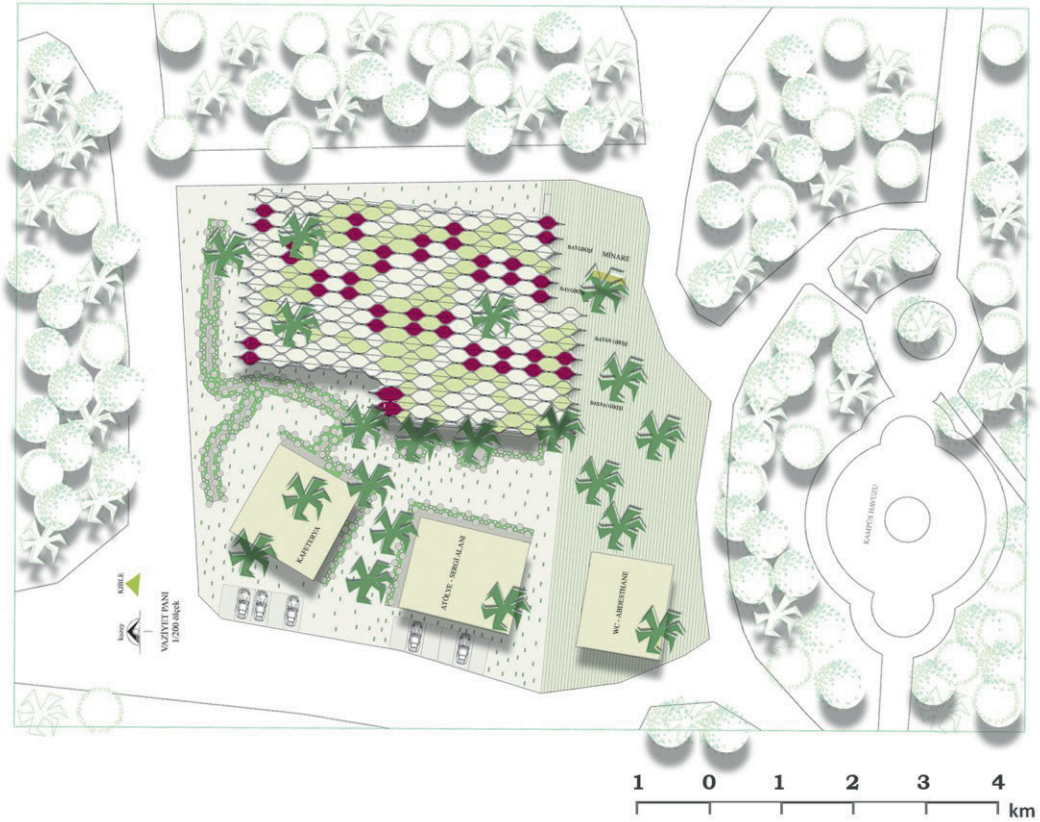


Addis Abbaba
University Campus



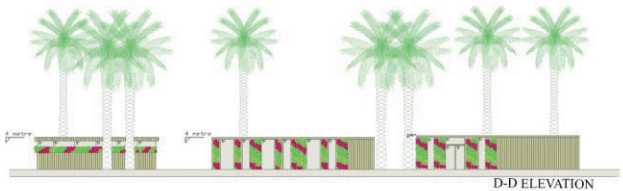
Site plan, Elevations



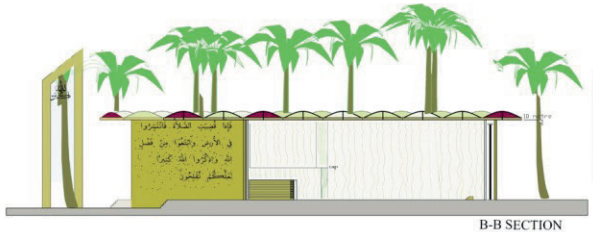


PLAN , SECTION, ELEVATION

1.PRAYER AREA FOR WOMEN
2.PRAYER AREA FOR MAN
3.coat check
4.ALTAR
5.PULPIT
6.PULPIT
7.ABDESTHANA-WC
8.WORKSHOP
9.EXHIBITION SPACE
10.PARSONAL ROOM
11.CAFE
12.KITCHEN
13.DEPOT



D-D ELEVATION



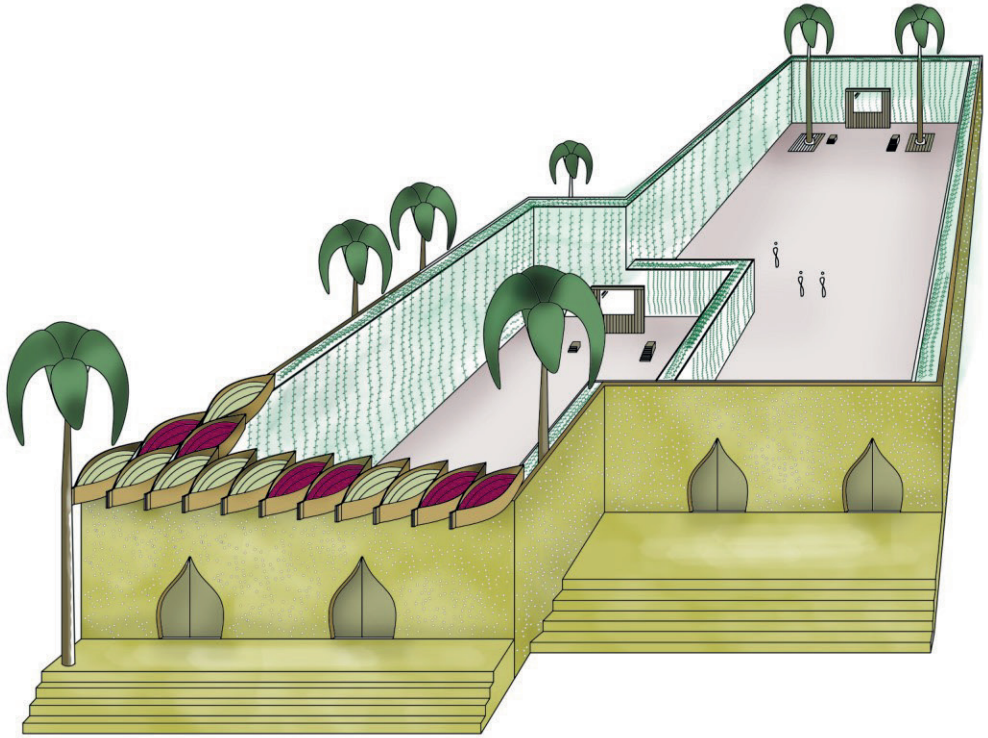
B-B SECTION

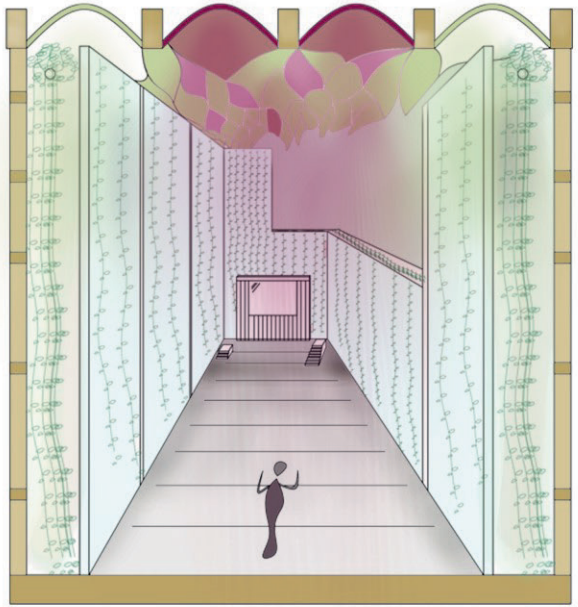


A-A SECTION

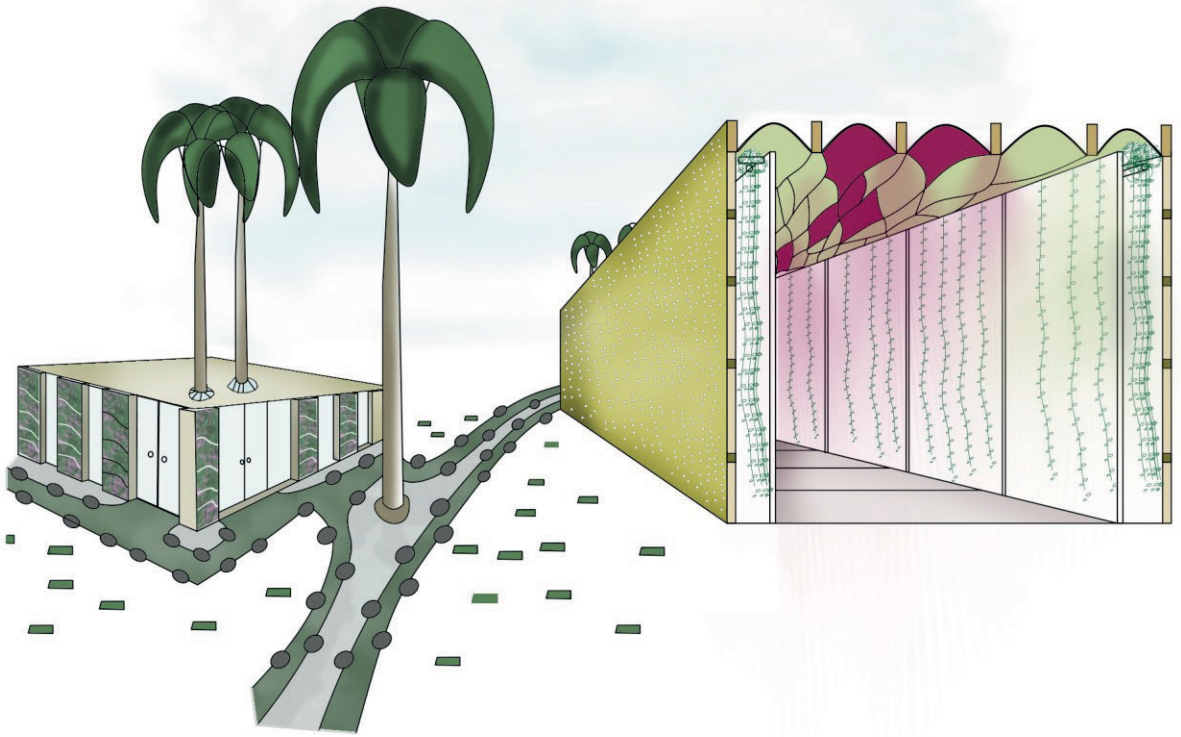


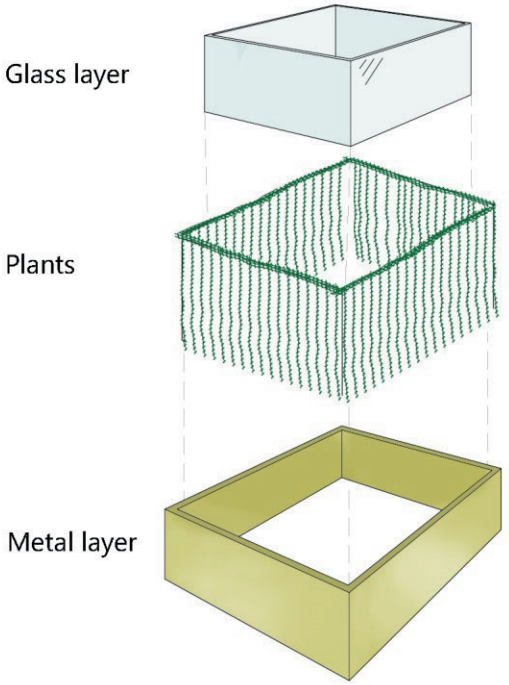
Interior Perspective





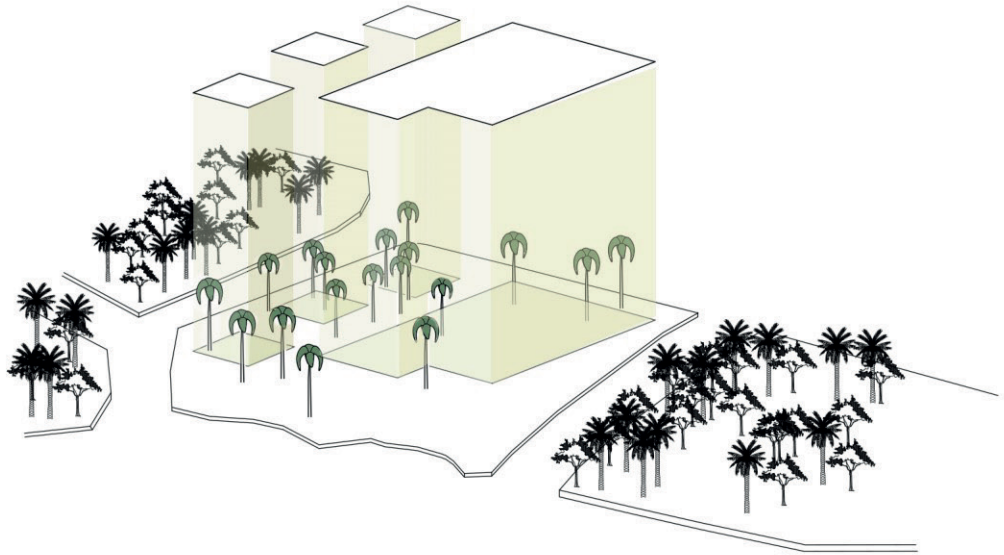
Interior Perspective

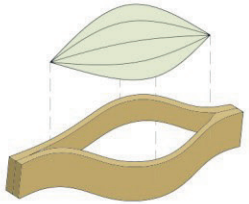




Diagram

The plan is formed according to the existing trees

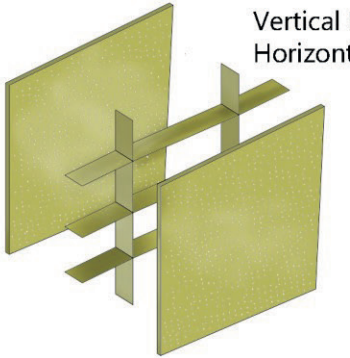




Top Covering

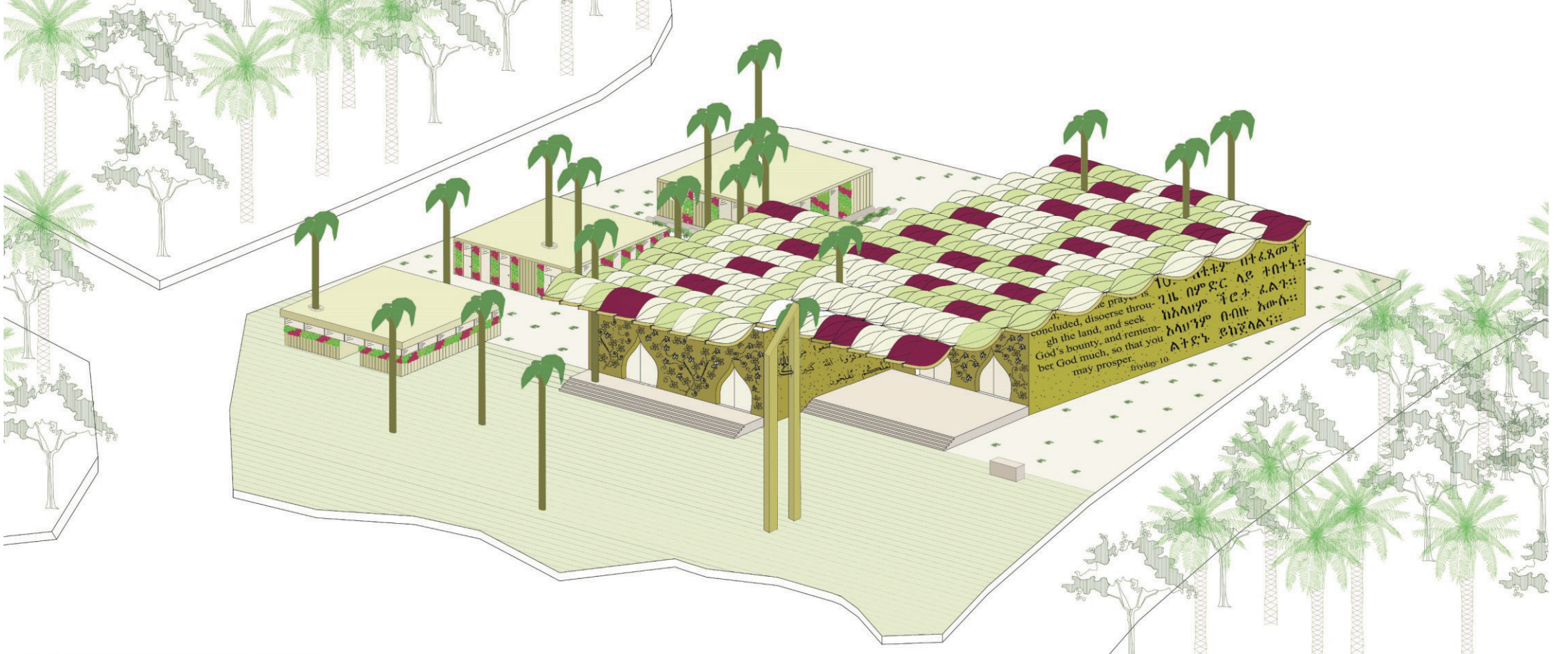
Assembly:
staple combiner

Structure:
adhesive laminated wood



Surface panel

Vertical Panel 2mm @ 810
Horizontal panel 2mm @ 1000



ISOMETRIC PERSPECTIVE

THERE IS A VERSE FROM THE QURAN OF FRIDAY 10 ON
THE FRONT FACADE WRITES IN 3 DIFFERENT LANGUAGES
AMHARIC
ENGLISH
ARABIC

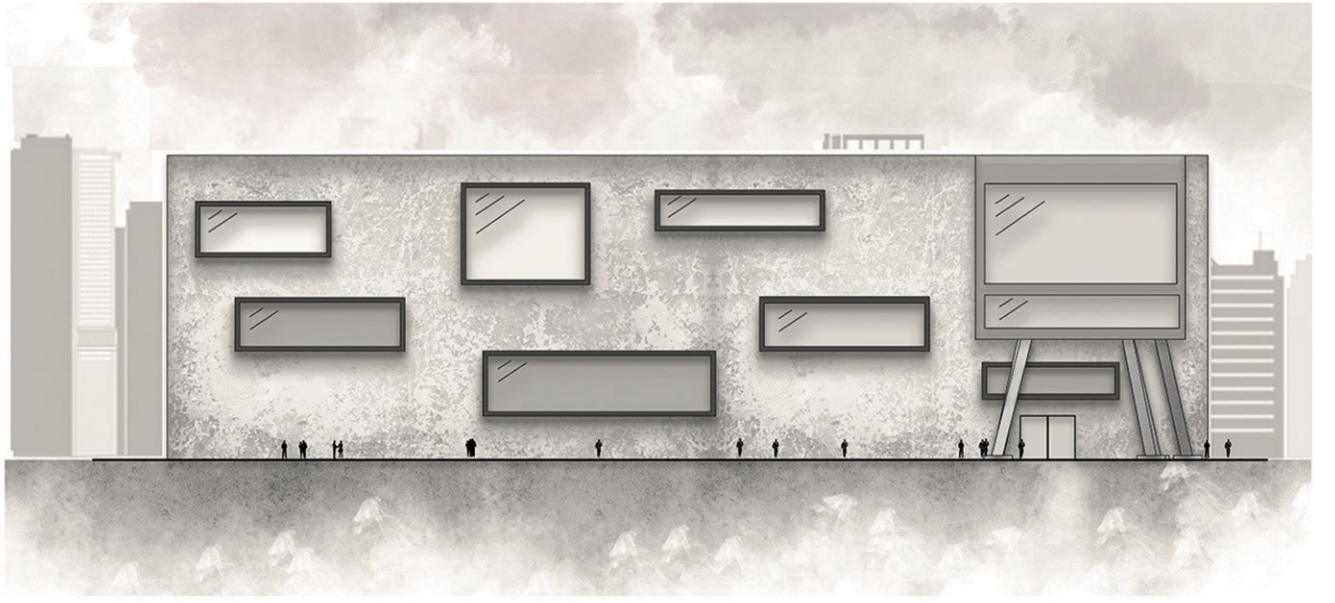
ISOMETRIC PERSPECTIVE

THERE IS A VERSE FROM THE QURAN OF FRIDAY 10 ON
THE FRONT FACADE WRITES IN 3 DIFFERENT LANGUAGES
AMHARIC
ENGLISH
ARABIC



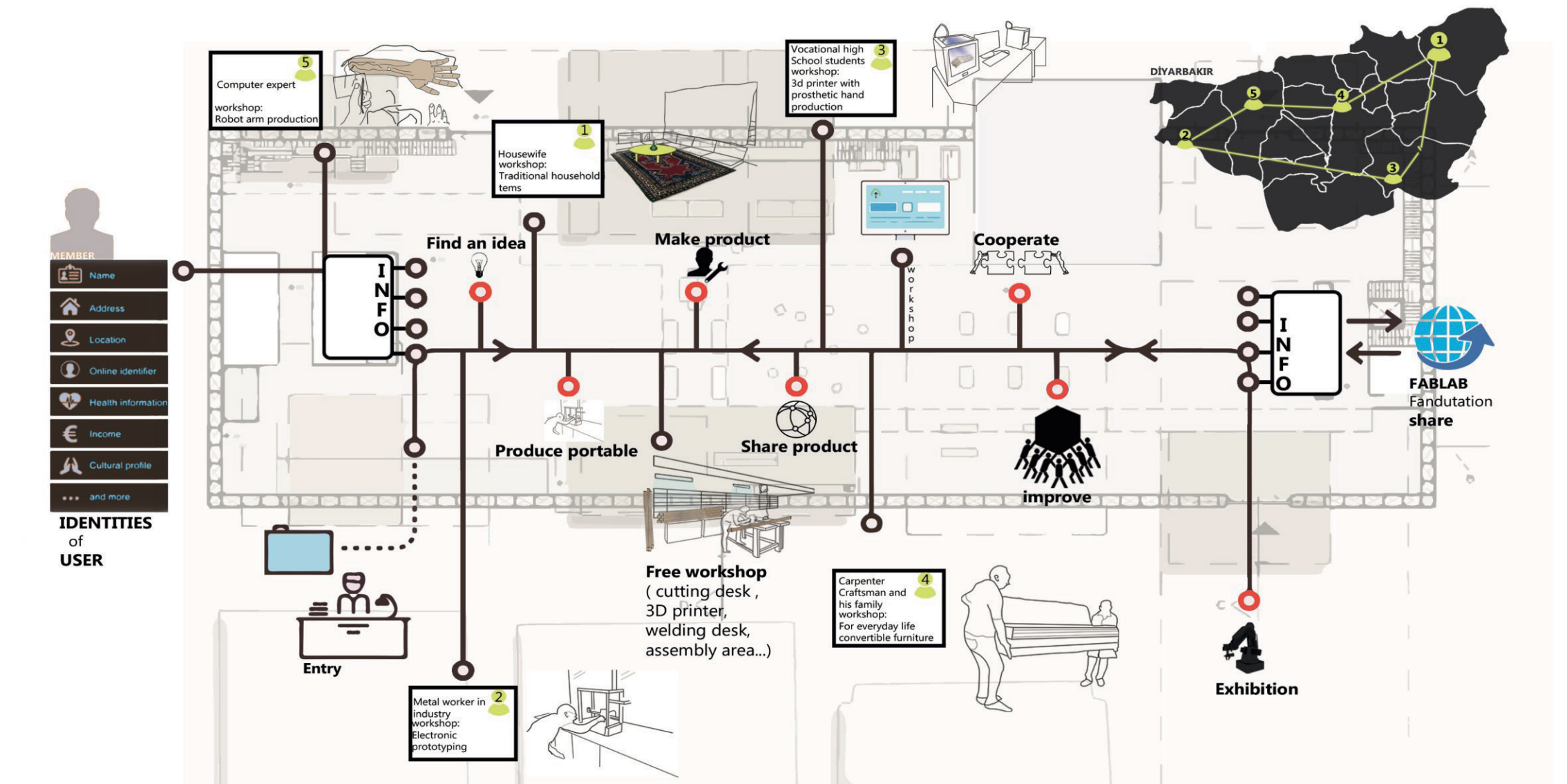
03 FABLAB
in
DIYARBAKIR / Ofis

Architecture Design VIII Project



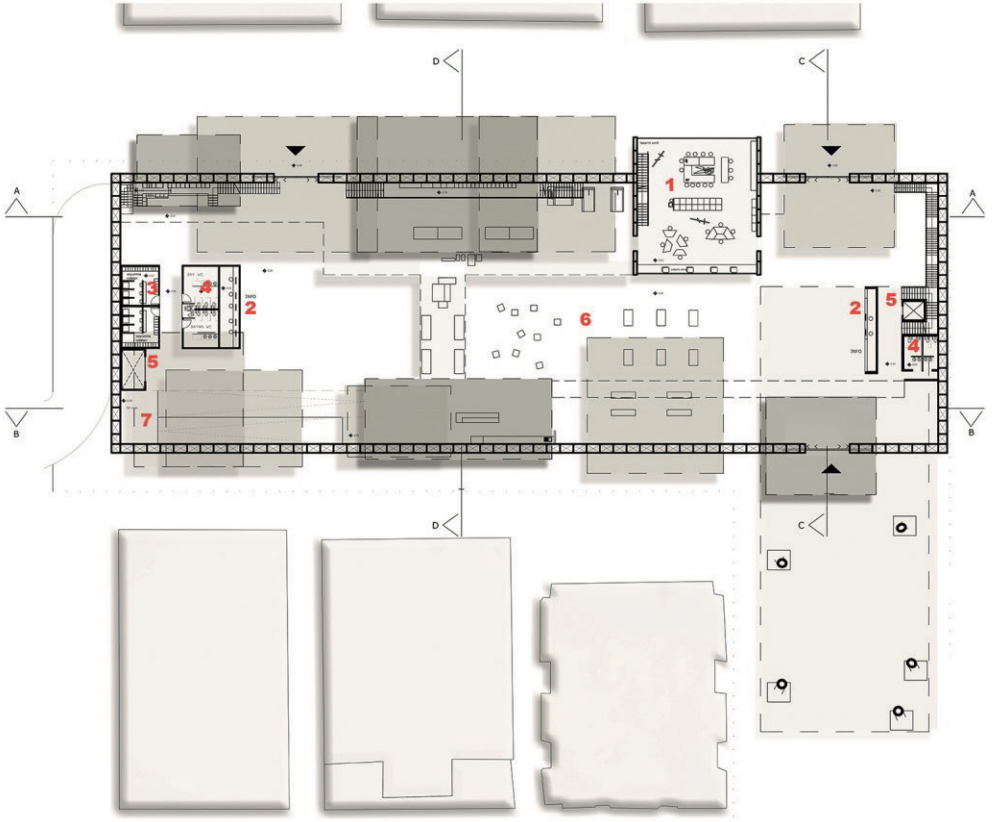
SITUATION PLAN



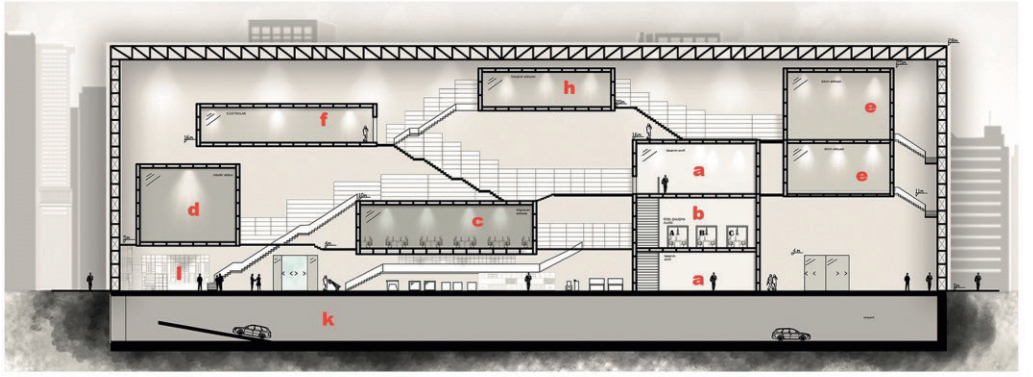

MEMBER
Name
Address
Location
Online identifier
Health information
Income
Cultural profile
and more
IDENTITIES
of
USER
INFO
Computer expert
workshop:
Robot arm production
5
Housewife
workshop:
Traditional household
tems
1
Vocational high
School students
workshop:
3d printer with
prosthetic hand
production
3
DİYARBAKIR
Find an idea
Make product
Cooperate
workshop
Produce portable
Share product
improve
INFO
FABLAB
Fandutation
share
Free workshop
(cutting desk ,
3D printer,
welding desk,
assembly area...)
Entry
Carpenter
Craftsman and
his family
workshop:
For everyday life
convertible furniture
4
Metal worker in
industry
workshop:
Electronic
prototyping
2
Exhibition

+2 m PLAN

1- Design class
2- Consultation
3- Changing room
4- wc
5- vertical aks
6- free work-shop (cutting desk , 3D print-er, welding desk, assembly area...)
7- Ramp
8- Storage



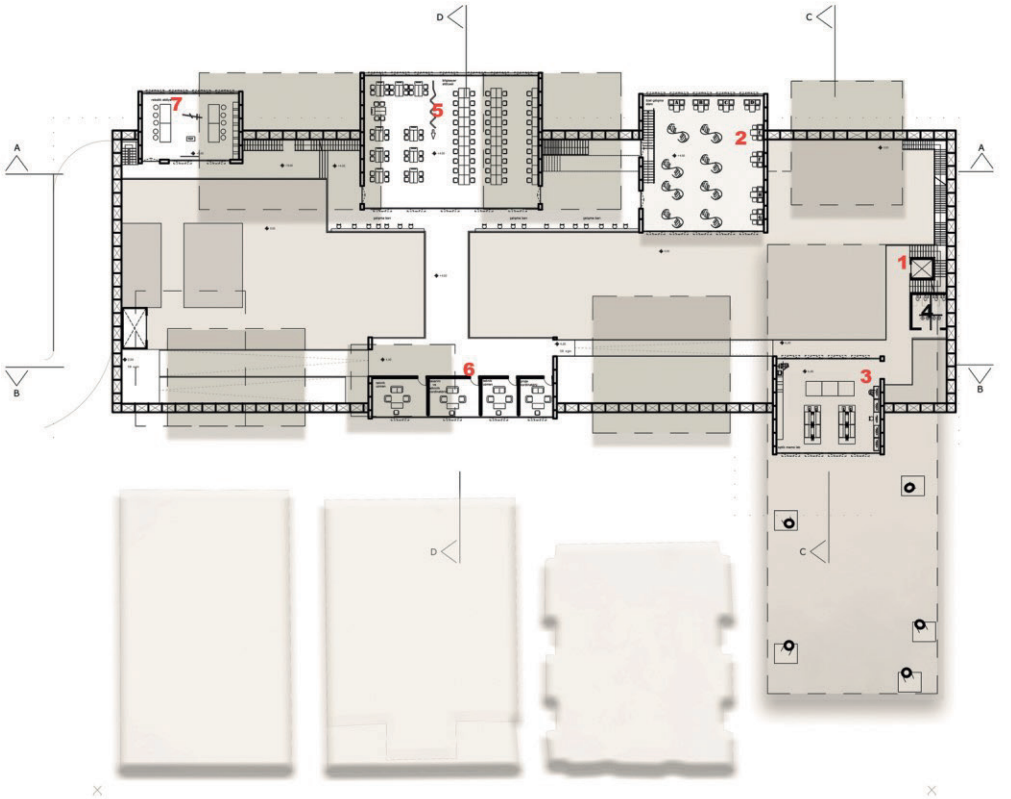
A - A SECTİON



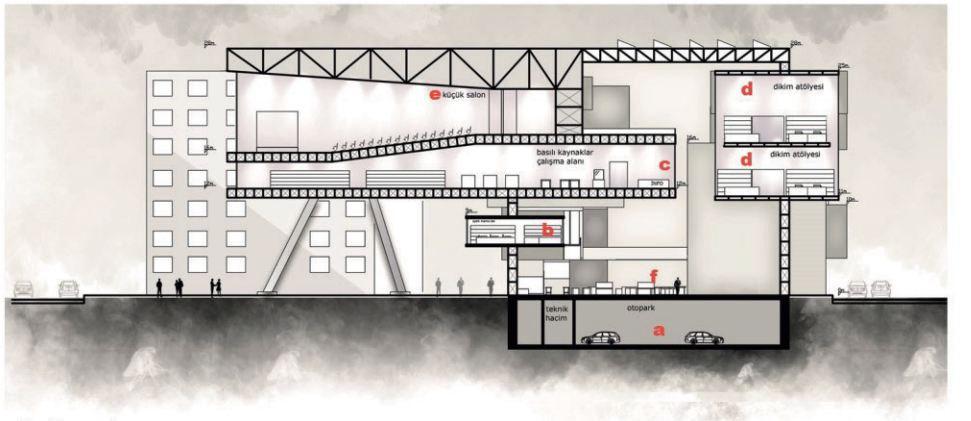
a- Design class
b- Special area for working
c- Computer class
d- wc
e- seam
f- elektrolab
h- photograph workshop
ı- storage
k - car park

+6 m PLAN

1- vertical aks
2- Special working area
3- optik mems lab
4- wc
5- Computers workshop
6-Offices
7- Robotic workshop



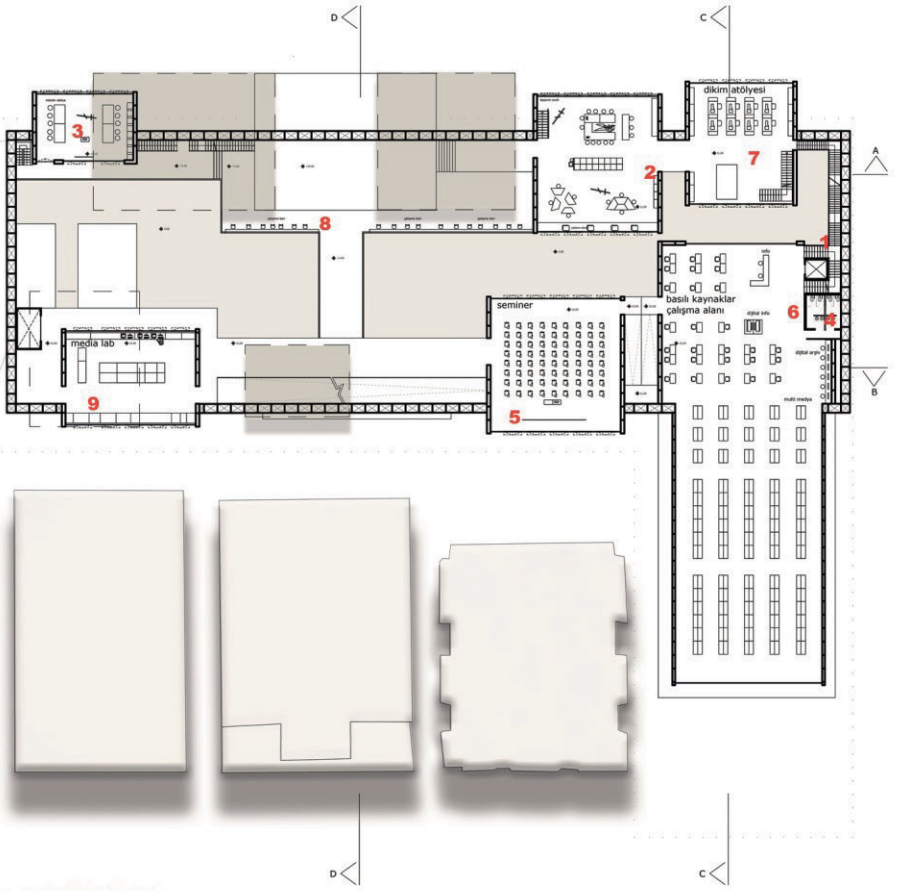
C- C SECTİON



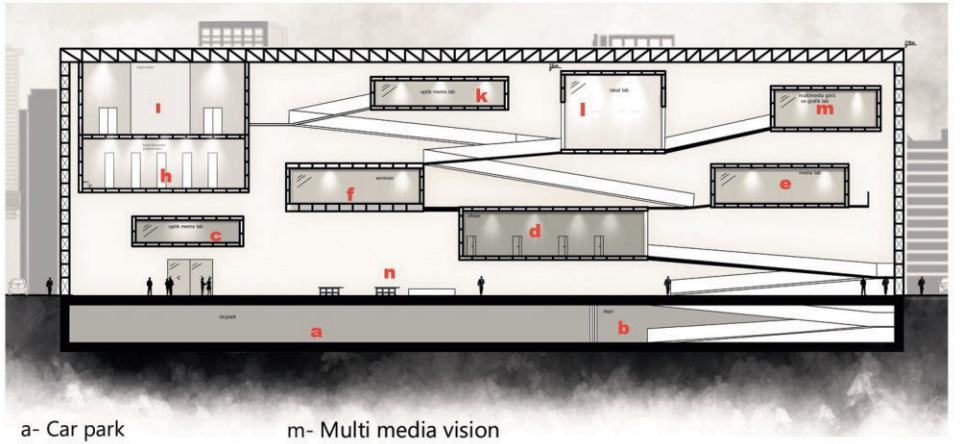
a- Car park
b- Optic mems Lab
c- Library
d- Seam
e- Parlour
f- free workshop (cutting desk , 3D printer, welding desk, assembly area...)

+12 m PLAN

1- Vertical aks
2- Design class
3- Robotic workshop
4- wc
5- Seminar
6- Printed sources and workspace
7- Seam
8- Workspace
9- Media Lab



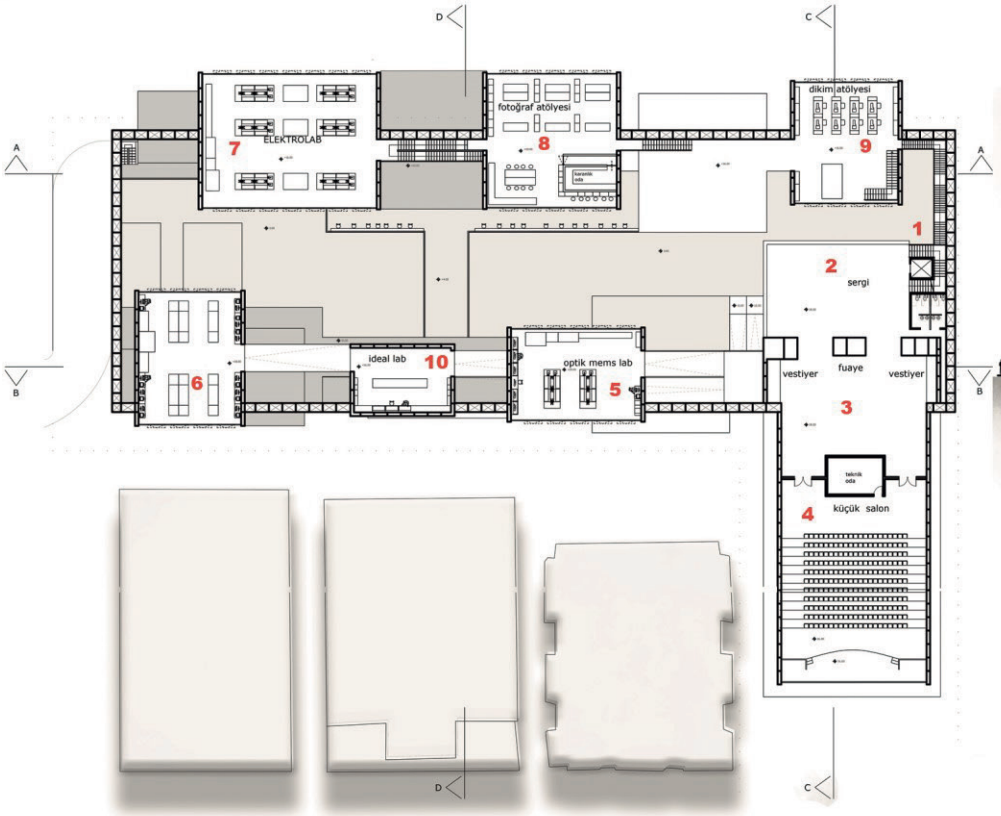
B- B SECTİON



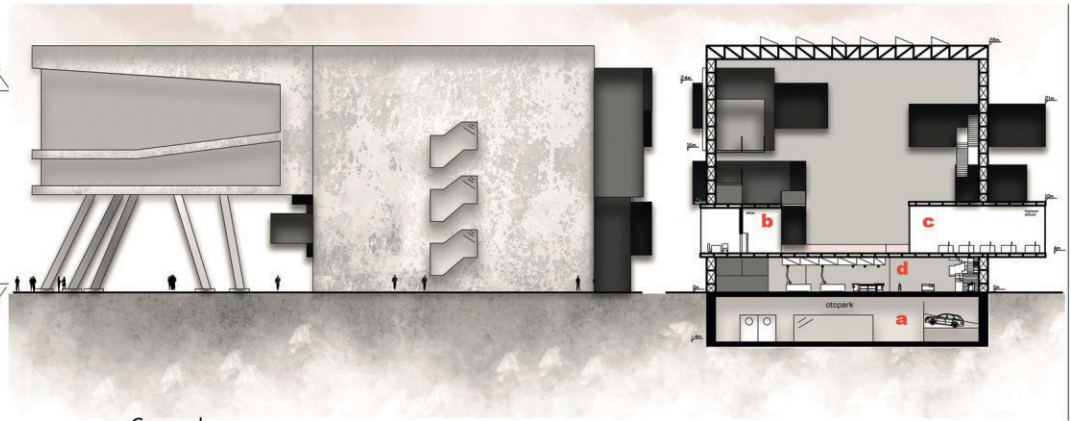
a- Car park
b-Depot
c- Optic mems Lab
d- Offices
e- Media Lab
f- Seminar
h- Library
i- Parlaur
k- Optic mems Lab
l- Ideal Lab
m- Multi media vision and graphic Lab
n- free workshop (cutting desk , 3D printer, welding desk, assembly area...)

+20 m PLAN

1- vertical aks
2- Exhibition
3- Foyer area
4- Parlour
5- Optic mems Lab
6- Multi media vision and graphic Lab
7- Electro Lab
8- Photography workshop
9-Seam
10- Ideal Lab desk, assembly area...)



EASTERN ELEVETİON

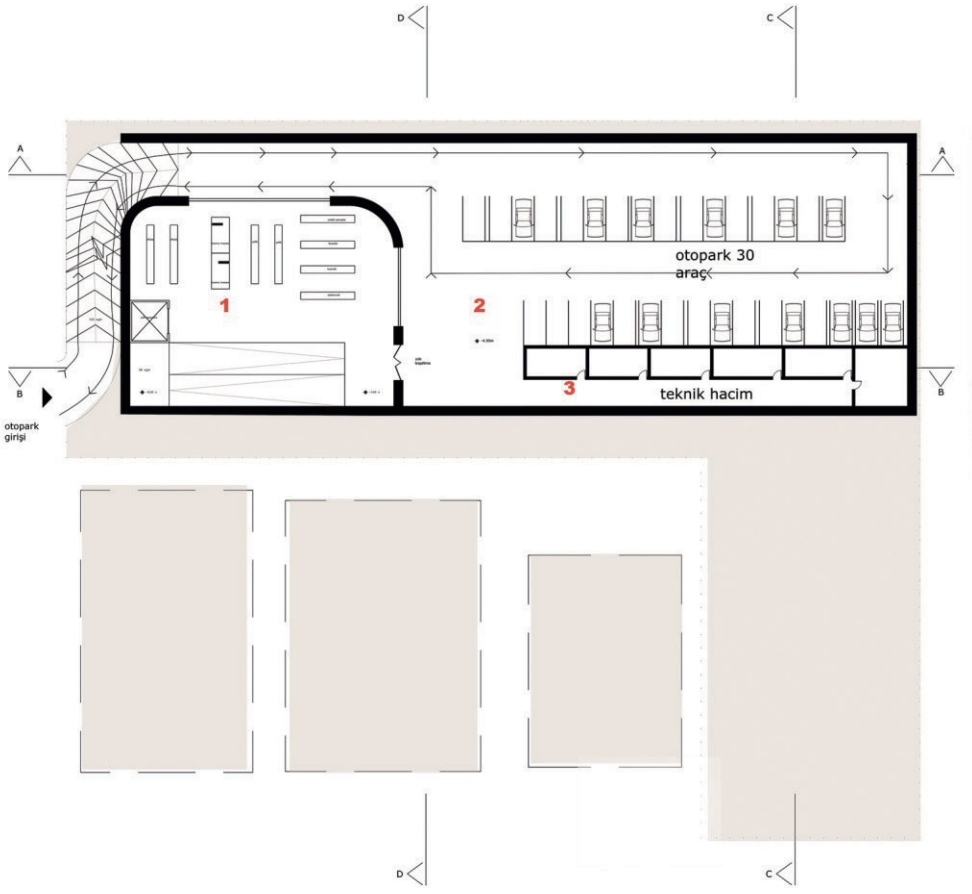


D- D SECTİON

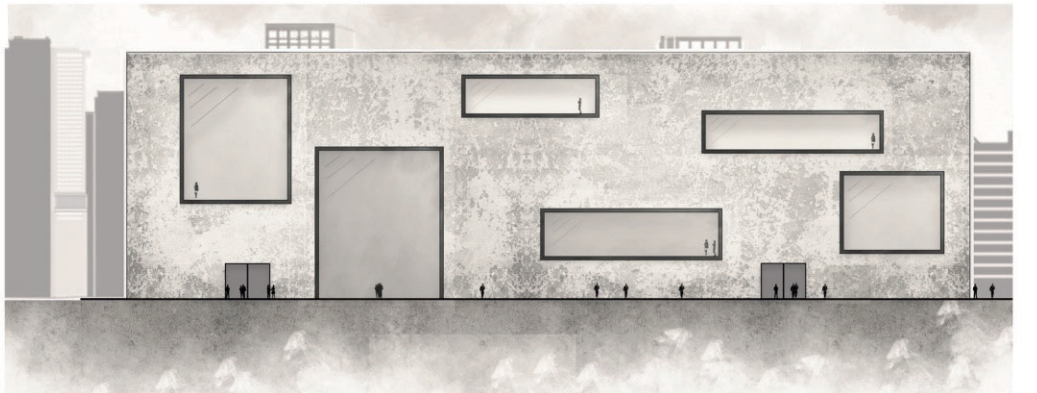
a- Car park
b- Computer class
c- Optic mems Lab
d- free workshop (cutting desk , 3D printer, welding desk, assembly area...)

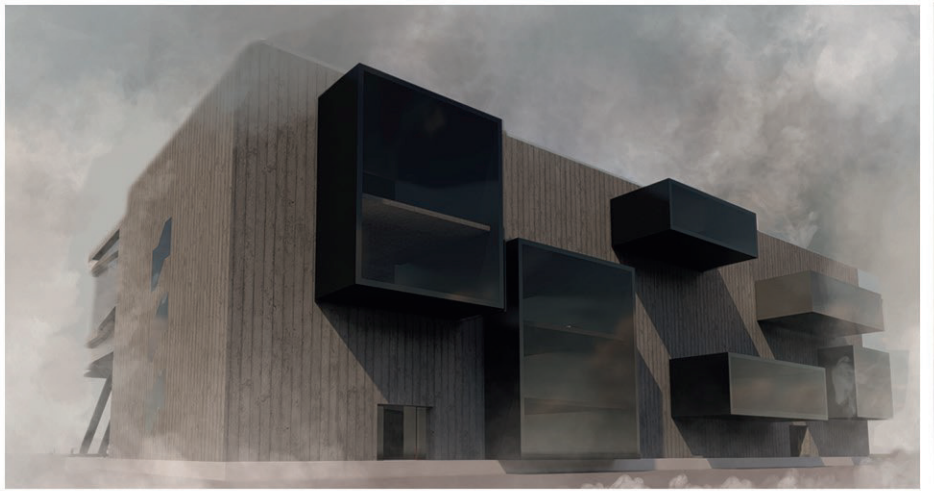
-2m PLAN

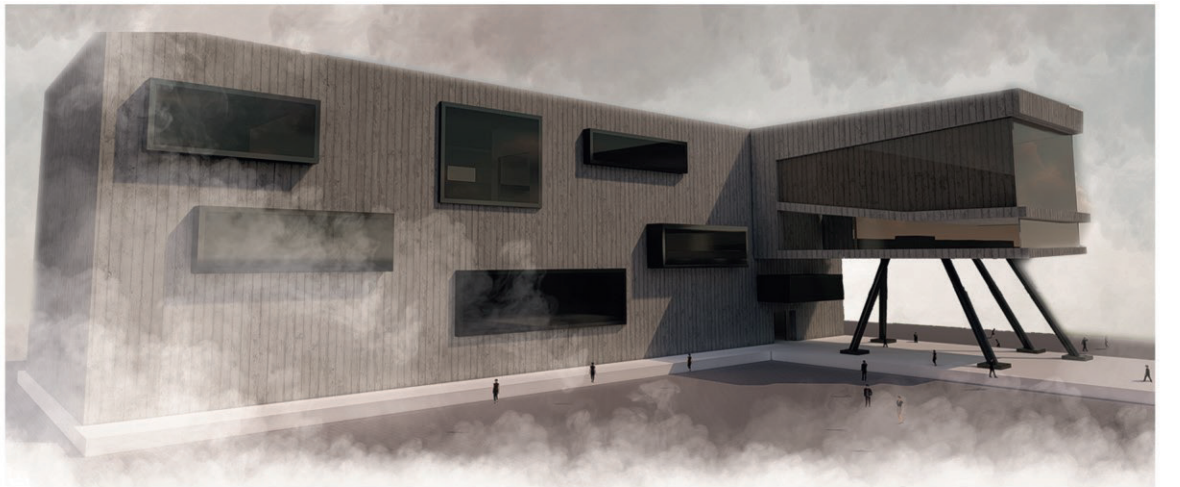
1- Depode
2- Car park
3- Tecnical rooms



North Elevetion





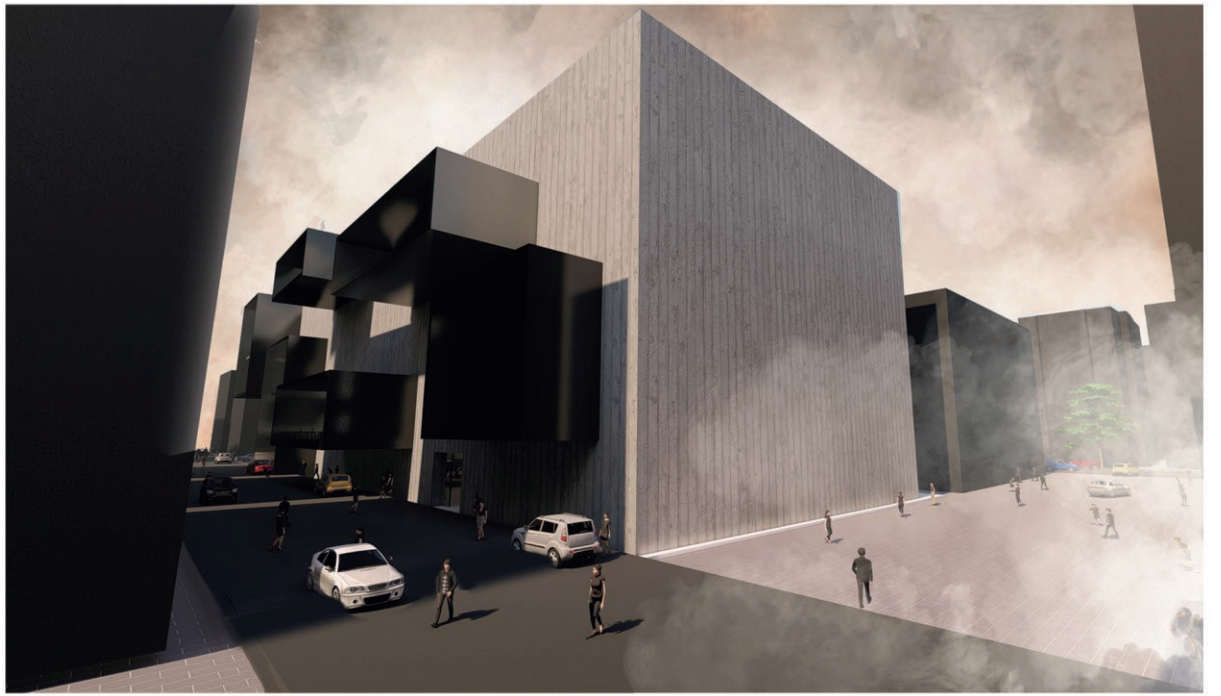














04 WORK EXPERIENCE OF RESTORATION

2020-2021 7 month

in

DIYARBAKIR/ MSG Architecture

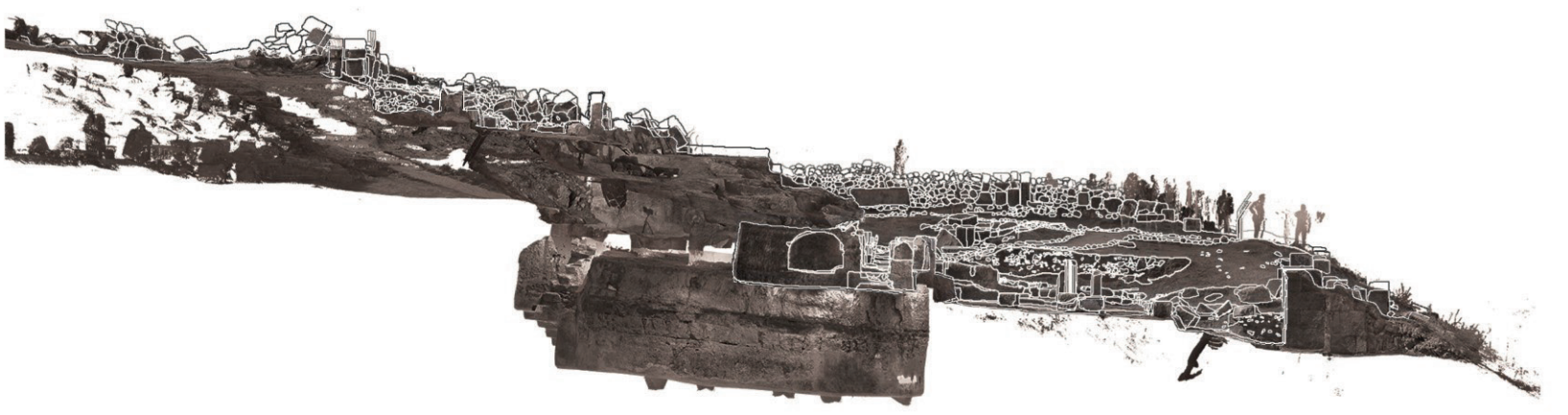
Restoration Of Siirt Şeyh Maruf Mosque

Restoration Of Silvan Atatürk's Home

Restoration Of Diyarbakır Fiskaya Grinder

Survey Of Zerzavan Temple and Shelter

Facade Development Of Midyat Estel's Street

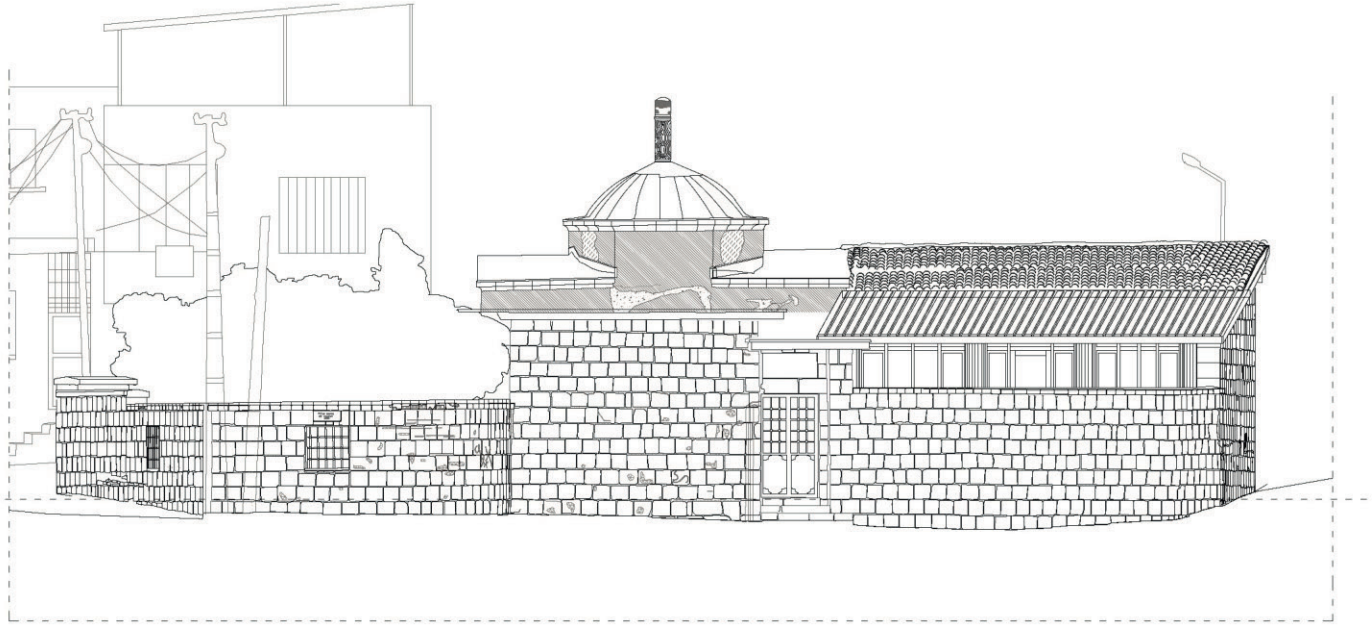


Restoration Of Siirt Seyh Maruf Mosque

2020 Jun

In the province of Siirt
Seyh Maruf Mosque survey drawings and
The survey report is prepared and
related information has been collected. Restoration in 2010
structural cracks and
damage has occurred due to fire.

Survey
Damage Analysis
Material Analysis
Restoration
Restoration Intervention
Restitution

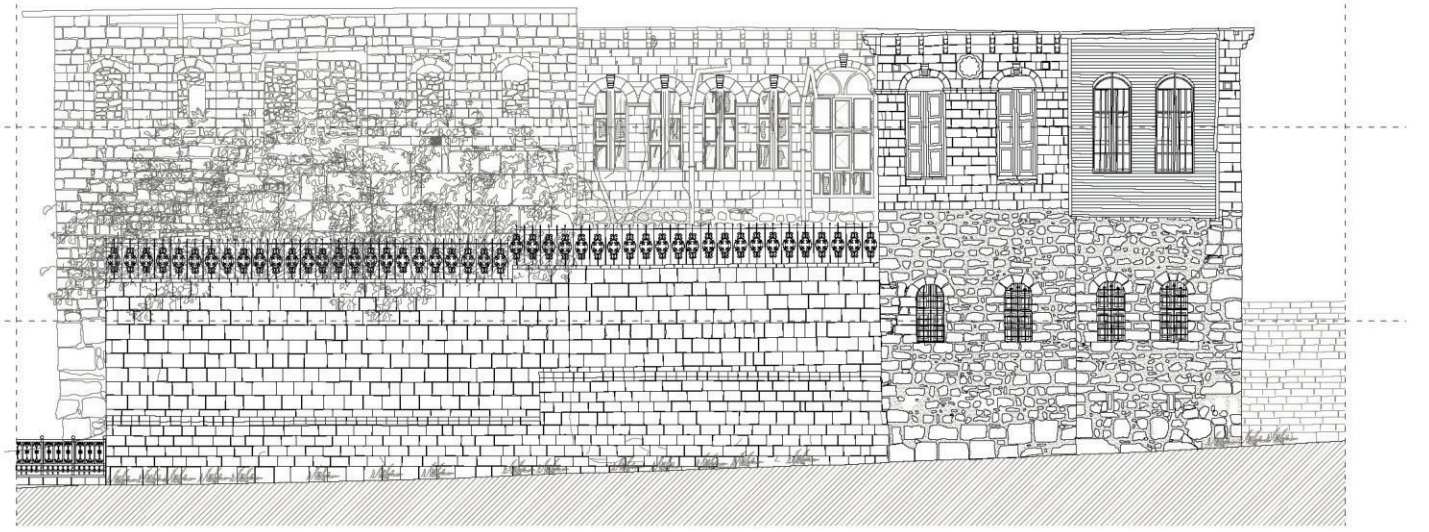


Restoration Of Silvan Ataturk's Home

2021

In the province of Silvan
Silvan Atatürk House survey drawings and survey report prepared and gathered information about its current situation. Contamination in the previous restoration work, darkening, melting of the binge, paint spills, plaster such as deterioration, moss, melting, loss of parts. disturbances have occurred.

Survey
Damage Analysis
Material Analysis
Restoration
Exhibition - Arrangement
Restoration Intervention
Restitution

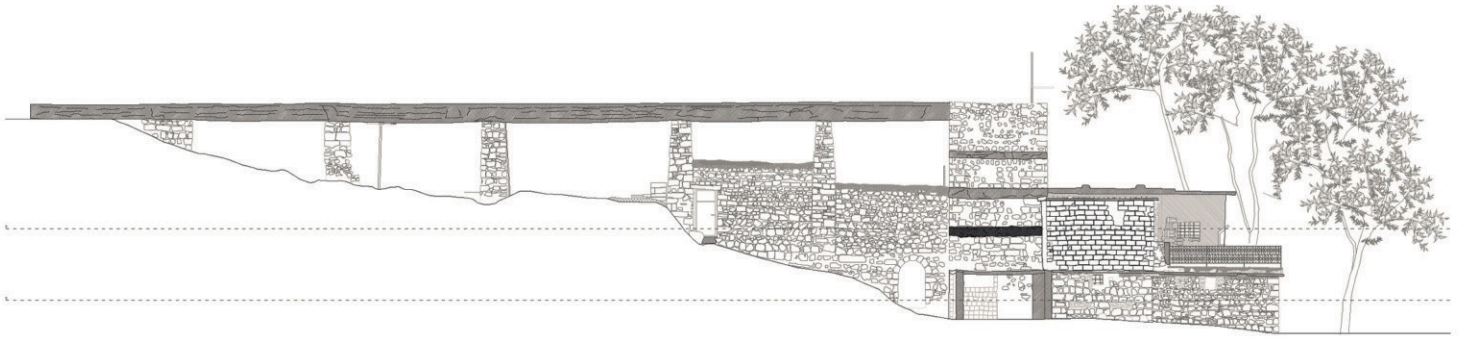


Restoration Of Diyarbakır Fiskaya Grinder

2021

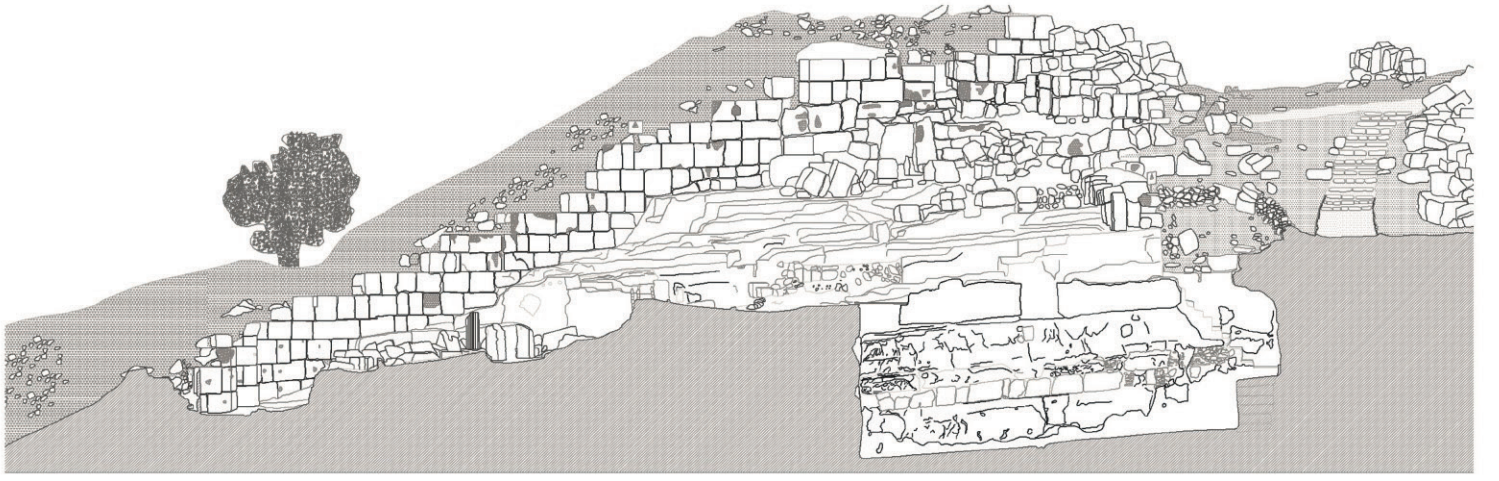
Gringer survey drawings in Diyarbakır province and information about the current situation by preparing a survey report collected. Contamination in the building, darkening, plaster deterioration, algae, melting, Disturbances such as loss of parts have occurred.

Survey
Damage Analysis
Material Analysis
Restoration
Restoration Intervention
Restitution



Survey Of Zerzavan Temple and Shelter
2021
The survey drawings and survey report of the Zerzevan temple and shelter located in Çınar district of Diyarbakır were prepared and information was collected about the current situation, and thus the final situation reached as a result of the phases passed from the past to the present was determined as drawings and reports.

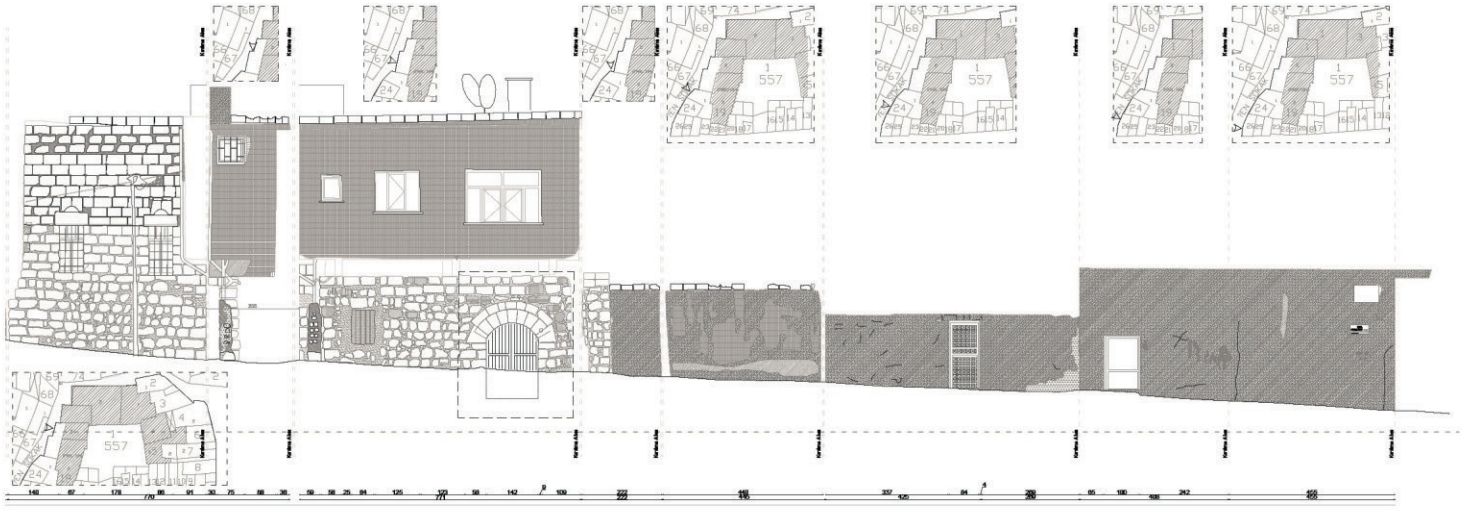
Survey
Damage Analysis
Material Analysis



Facade Development Of Midyat Estel's Street
2020-2021

Güneştan street, 1234, 1236, 1240, 1218, 1212, 1216, 1238, 1205, 1204, 1214, 1207, 1202, 1203, 1206, 1208, 1210
facade improvement work of numbered streets.

Survey
Damage Analysis
Material Analysis
Restoration
Restoration Intervention



05 THE EXHIBITION AT THE SAKIP SABANCI MUSEUM 2019



ARCHITECTURE

SEDA ERTUĞRUL