

PORTFOLIO

YASEMİN
NURDAN
ÇAPAN

2020 - 2024



LIST OF CONTENTS

01

INNOVATIVE NEXUS

PROVIDING EMPLOYMENT FOR PEOPLE BY
DESIGNING THE VACANT AREAS AROUND THE
TRAIN STATION

02

THE CENTER OF VALUES

ELDERLY CARE CENTER, COMPATIBLE
WITH THE SOCIAL ENVIRONMENT

03

METRO-LUXE RESIDENCE

HOUSING AND SOCIAL ACTIVITY IN
SKYSCRAPERS IN TOKYO

04

REVEAL THE UNSEEN!

ERYTHRAI EXCAVATION HOUSE

05

DATA WAREHOUSING

A SOCIAL SPACE USING INTERNET
TECHNOLOGY





INNOVATIVE NEXUS

BASMANE, IZMIR

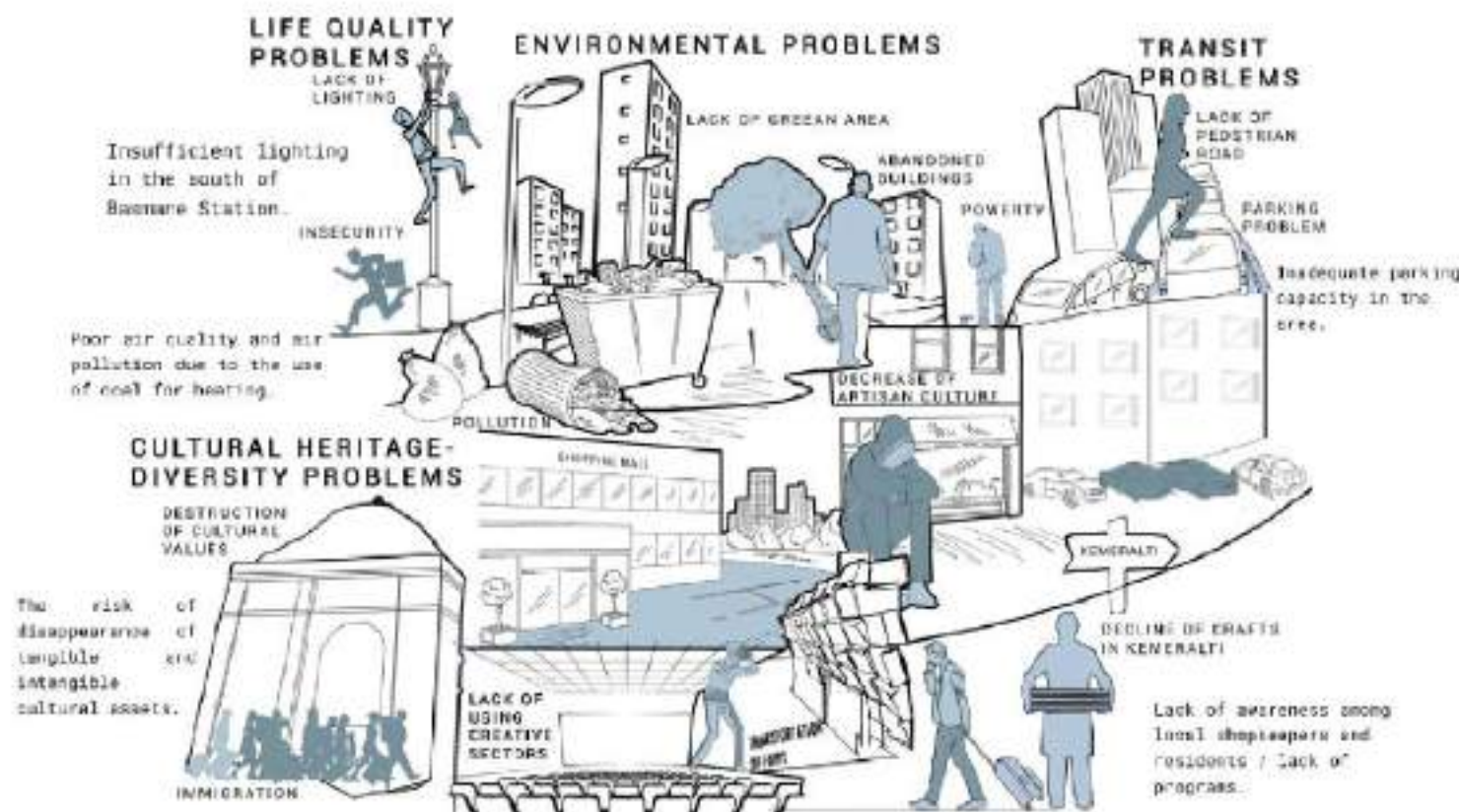


CONCEPTUAL DIAGRAM

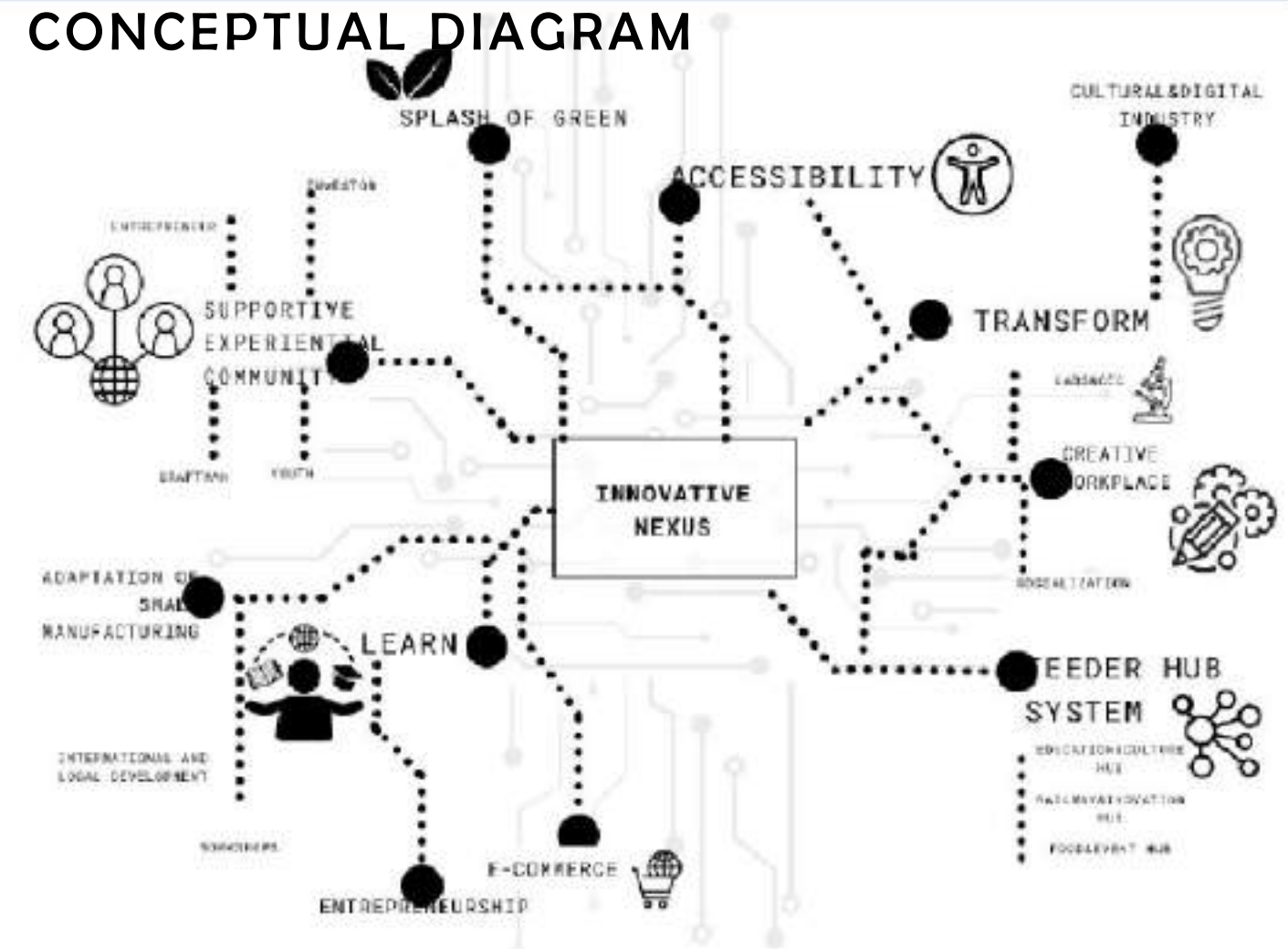
VISION

"Scenario: The railway stands out as a key tool in enhancing the quality of life and sectoral development. Integration with tourism, creative industries, high-speed train lines, and other modes of transportation becomes one of the crucial elements supporting this progress. Improvements in this field not only enhance transportation but also elevate the overall quality of life in society by increasing the potential in tourism and fostering the growth of creative industries. As a catalyst triggering sectoral development, the railway contributes to a broader perspective on development by creating an integrated network with various modes of transportation."

PROBLEMS OF THE AREA



POTENTIALS OF THE AREA

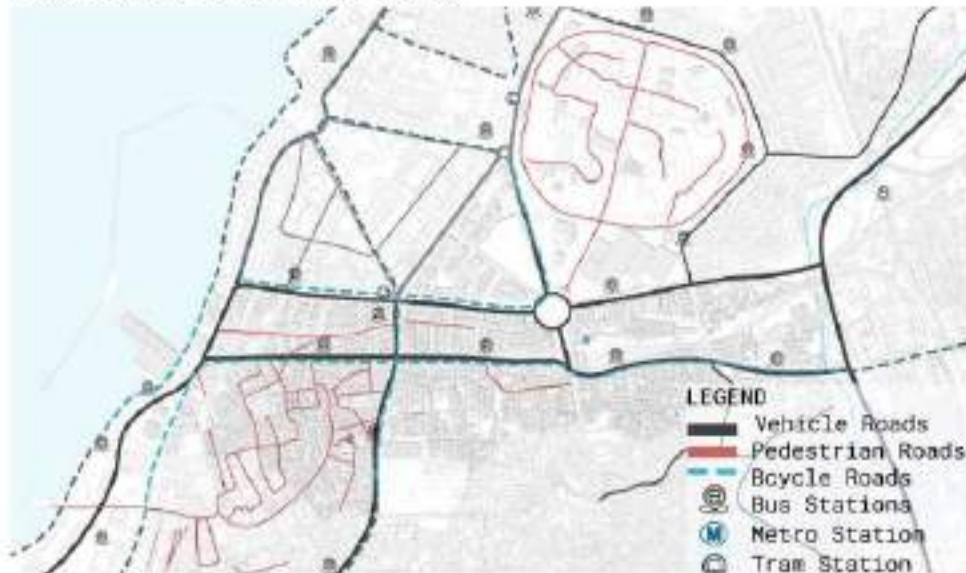




SITE ANALYSIS

According to these analyses, it is observed that the old structures in and around Kemeraltı generally have a courtyard layout and semi-open spaces. In contrast, as you move towards Basmane Station, adjacent order structures dominate the area. Additionally, it is noted that the old buildings to the south of Basmane Station also feature semi-open spaces.

TRANSPORTATION



NOISE



According to this analysis, a lack of lighting was detected in the south of the study area in general, especially in Kemeraltı, the surroundings and south of Basmane Train Station.

TRAFFIC VOLUME



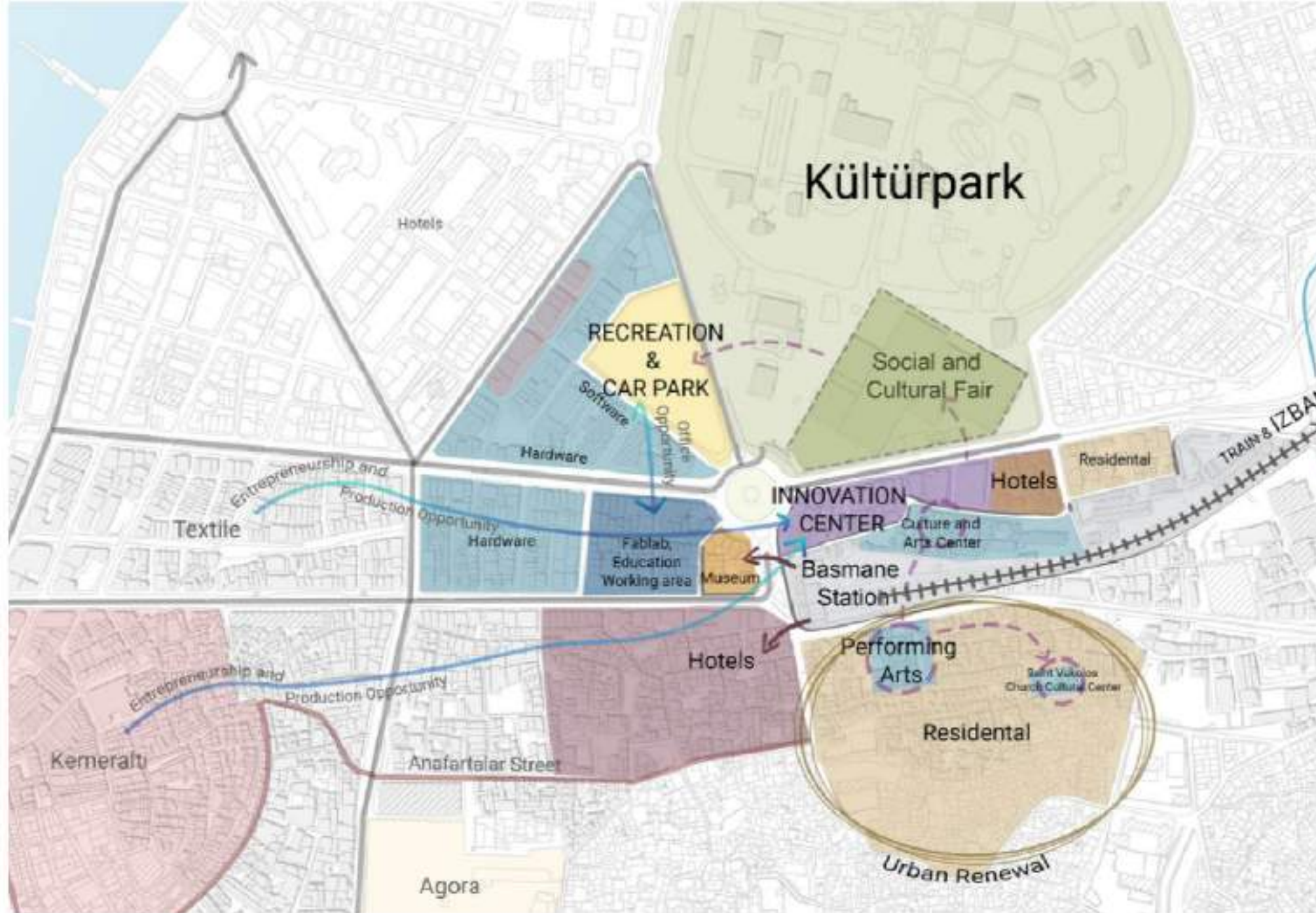
TRAFFIC VOLUME



Analyses such as infrastructure analyses, human crowds, and vehicle traffic in Basmane were shown.



MACRO CONCEPT & UPPER SCALE DECISIONS



Enterprises, textile manufacturers, software developers and craftsmen in the field should be supported to take initiatives; Workshops and workshops where they can teach their profession should be supported.

The existence of the software and hardware industry in the area is an important potential.

The hotels in bad condition on Hotels Street need to be restored and this area should be preserved as an accommodation area.

Lighting and infrastructure problems in the south of the area need to be solved.

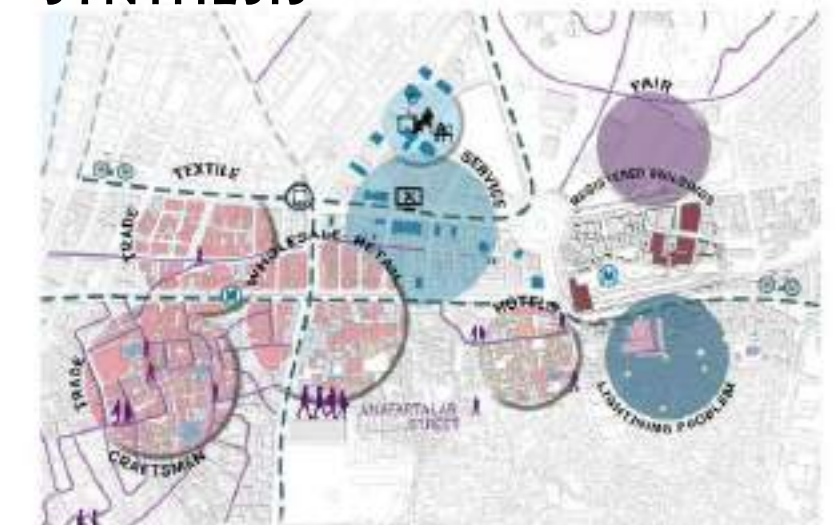
LAND USE



PROTECTED AREAS AND REGISTERED BUILDINGS

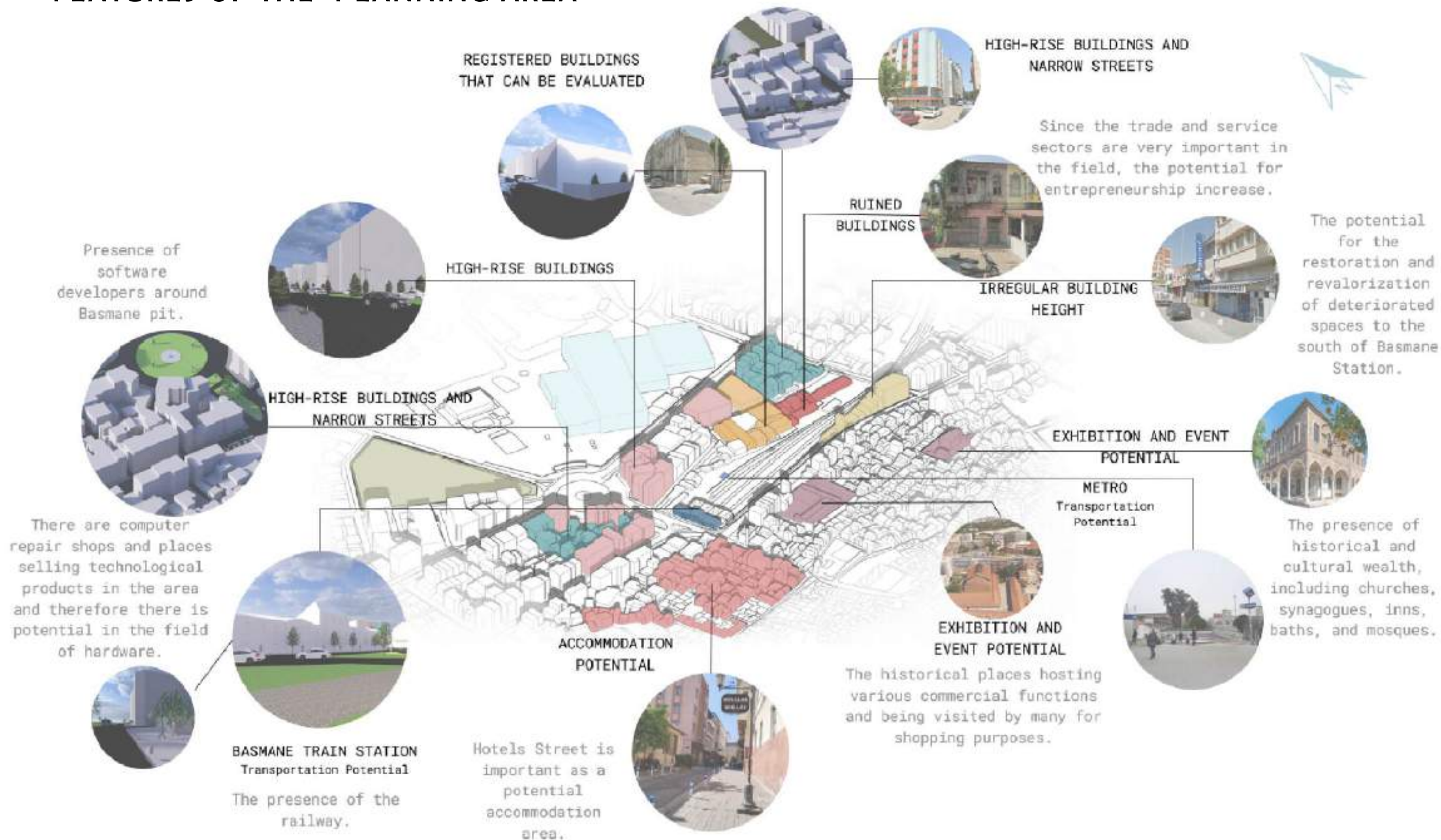


SYNTHESIS



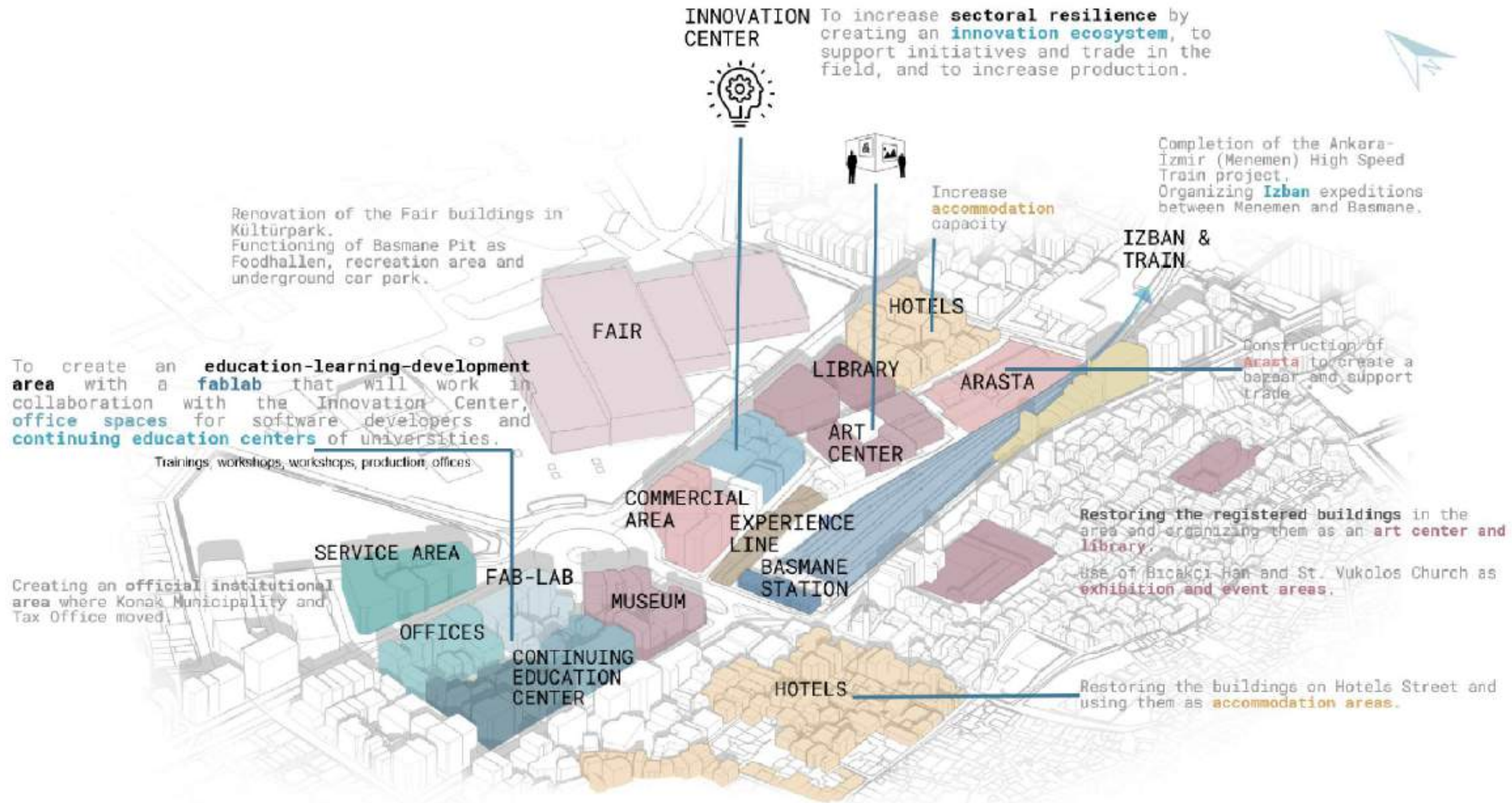


FEATURES OF THE PLANNING AREA

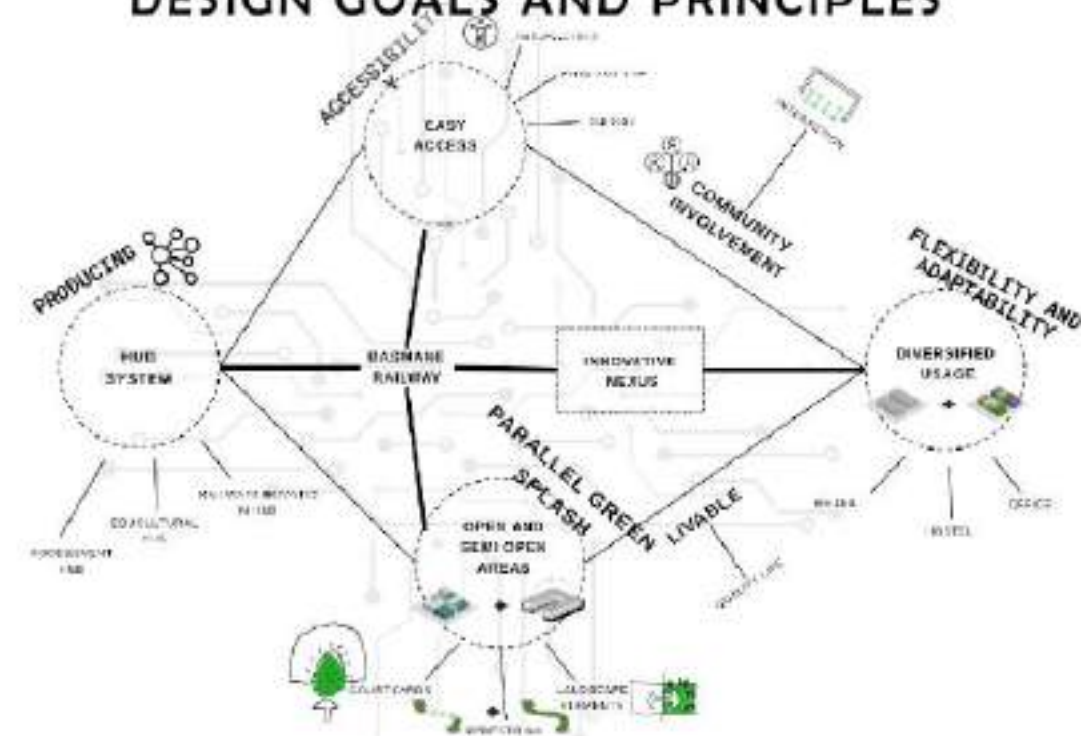




MICRO CONCEPT



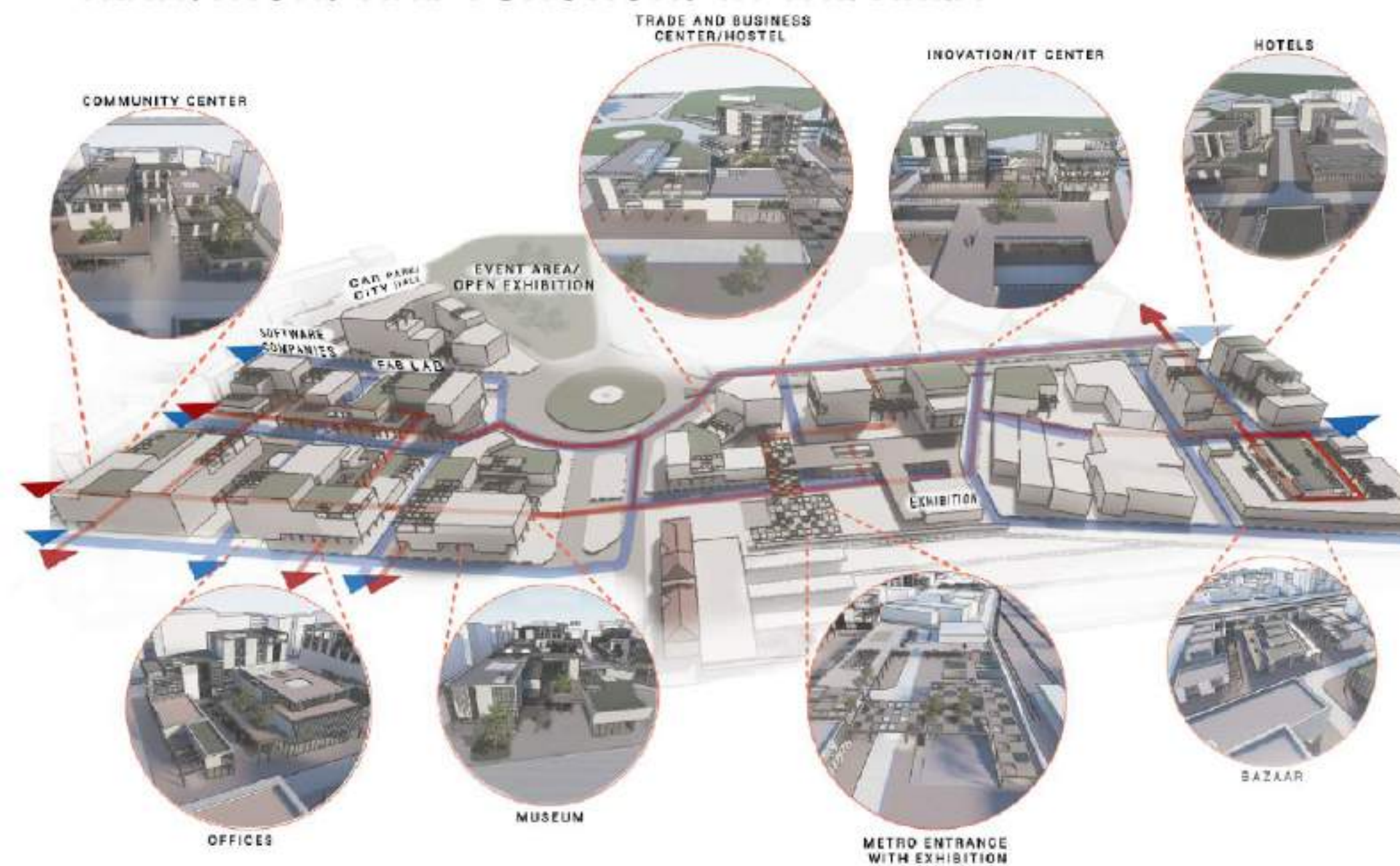
DESIGN GOALS AND PRINCIPLES



SUBSYSTEM SCENARIO PLAN

LAND USE TYPES (%)	BASIC SCENARIO (CURRENT)	FUTURE SCENARIO
Commercial Area	105814(44%)	9462(7%)
Service Area	58843(21%)	26627(21%)
Accommodation Area	59723(25%)	18991(15%)
Official Institution Area	10882(4%)	18794(8%)
Technical Infrastructure Area	—	14247(11%)
Education Facility Area	—	26581(21%)
Cultural Facility Area	—	11252(8%)
Office- Working Area	—	7578(6%)
Ruin-Damaged Building	18882(4%)	—
Manufacturing Area	2262(1%)	—
Total	238488	125524

	BASIC SCENARIO (CURRENT)	FUTURE SCENARIO
GREEN AND PUBLIC SPACE (M2)	673 5	1743 9
AVERAGE BUILDING HEIGHT(M)	4.9 5	4.2 3
AVERAGE BUILDING DIMENSIONS(M2)	155 4	181 8
UNDISTROYED BUT FUNCTION-ALTERED TOTAL AREA (M2)		2385 3
NUMBER AND SIZE OF DEMOLISHED EXISTING AND NEWLY DESIGNED BUILDINGS (M2)	142- 219061	73- 125524





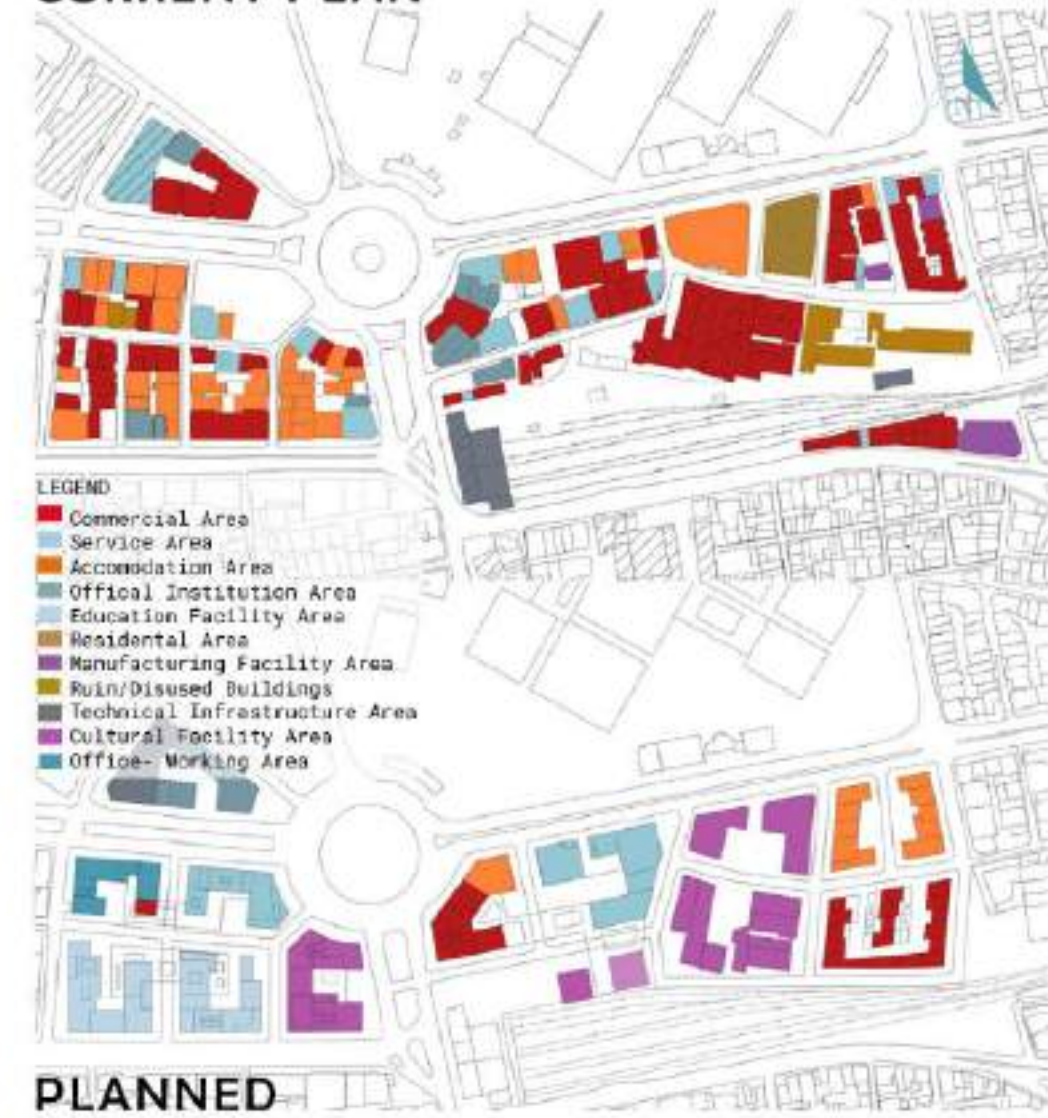
INNOVATIVE NEXUS

BASMANE, IZMIR

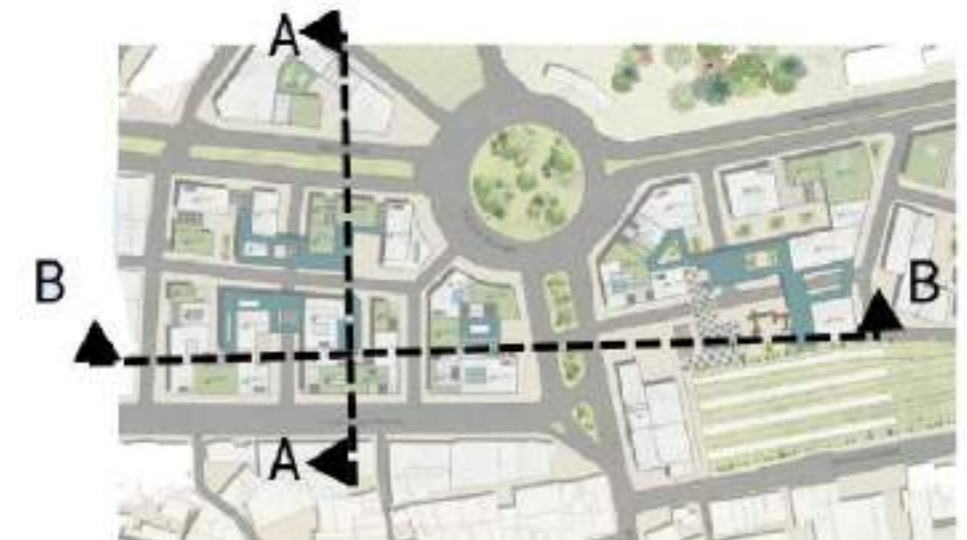
SITE PLAN



CURRENT PLAN

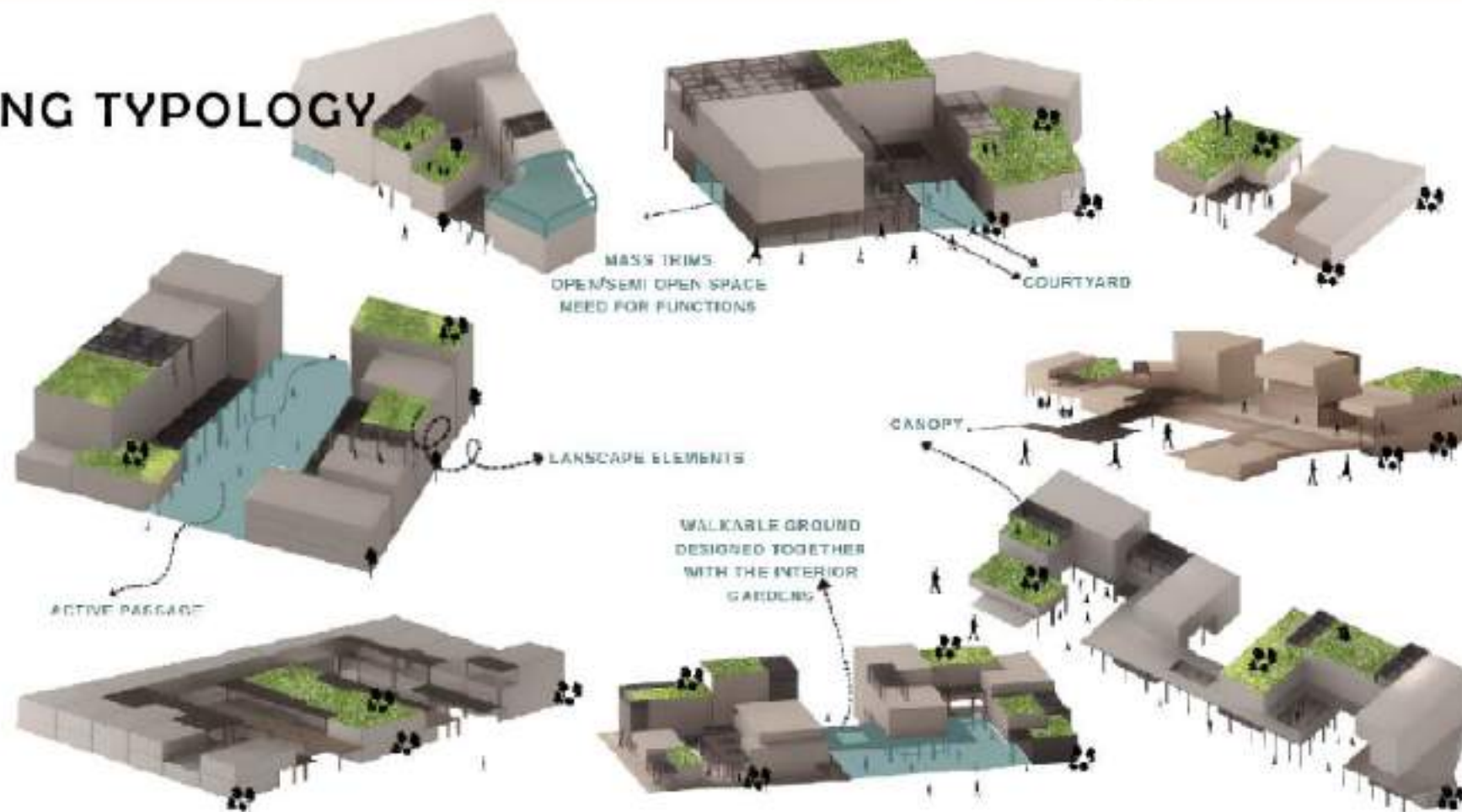


SECTION B-B

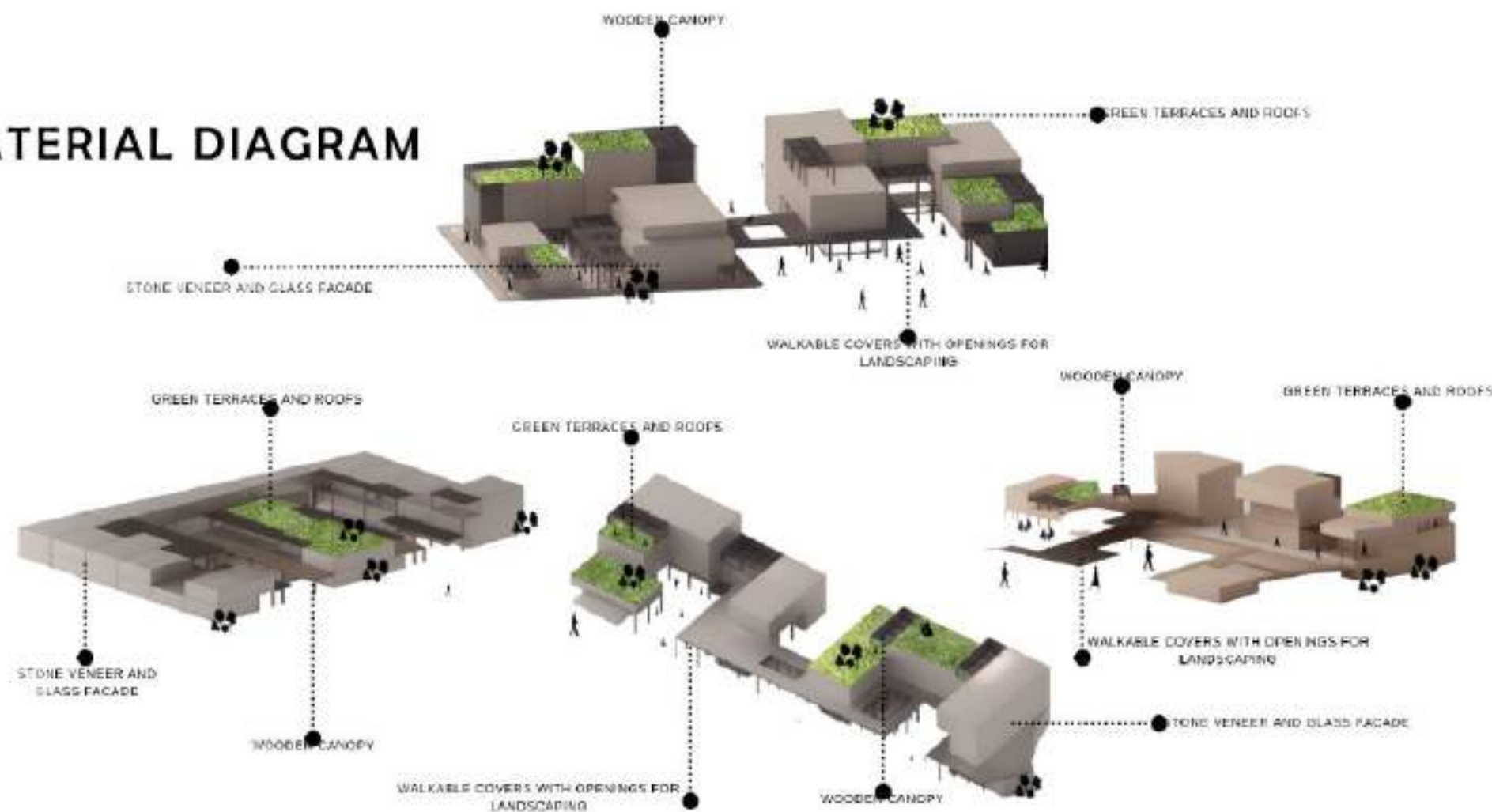




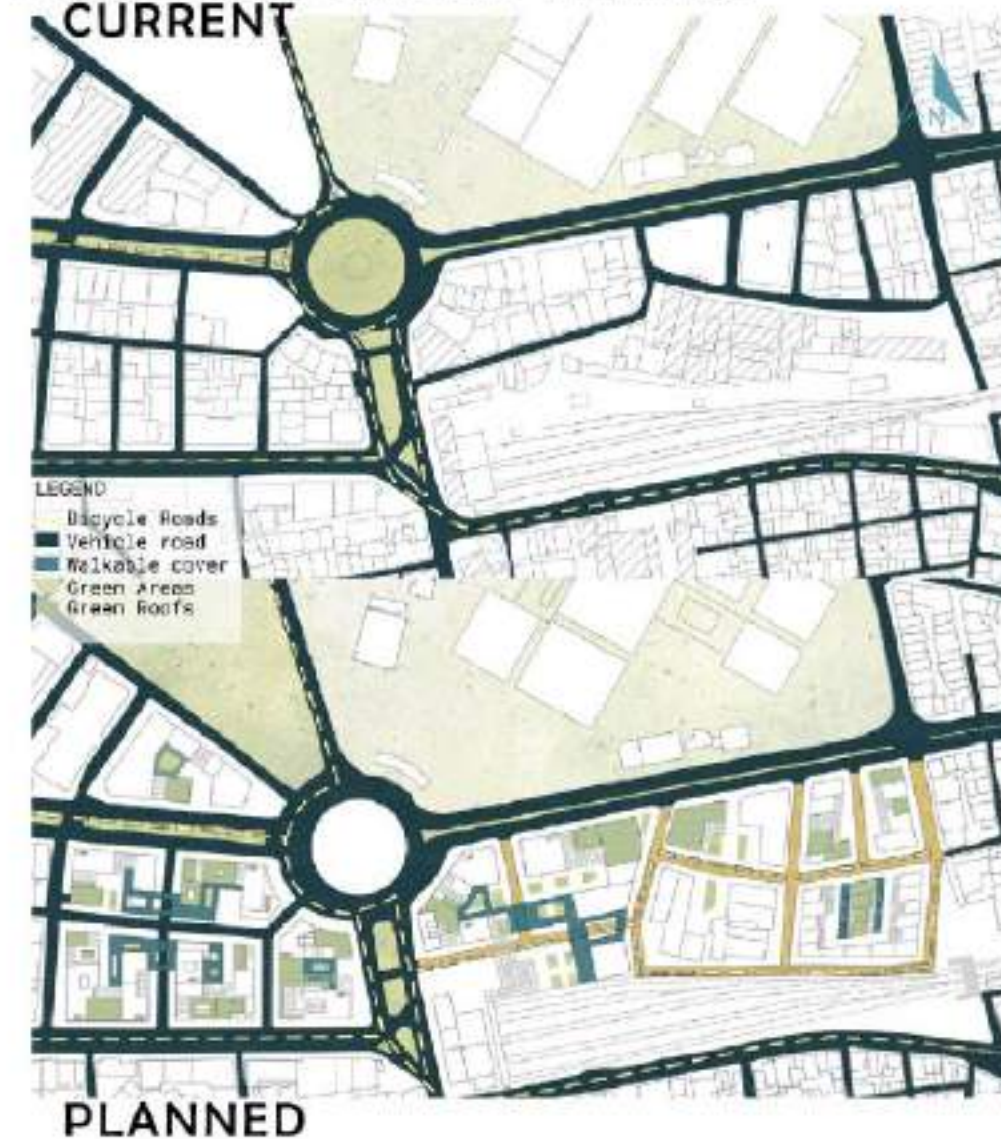
BUILDING TYPOLOGY



MATERIAL DIAGRAM



ROADS & GREEN AREAS CURRENT





INNOVATIVE NEXUS

BASMANE, IZMIR

LOCATION OF THE BUILDINGS





INNOVATIVE NEXUS

BASMANE, IZMIR

SITE PLAN of FOCUS AREA



Offices welcome users on the street opposite the station.

GROUND FLOOR PLAN



When you exit the Metro or Basmane Station that connects with the Exhibition Area, shops and cafes welcome the user.





INNOVATIVE NEXUS

BASMANE, IZMIR

FOCUS AREA





STORYTELLING



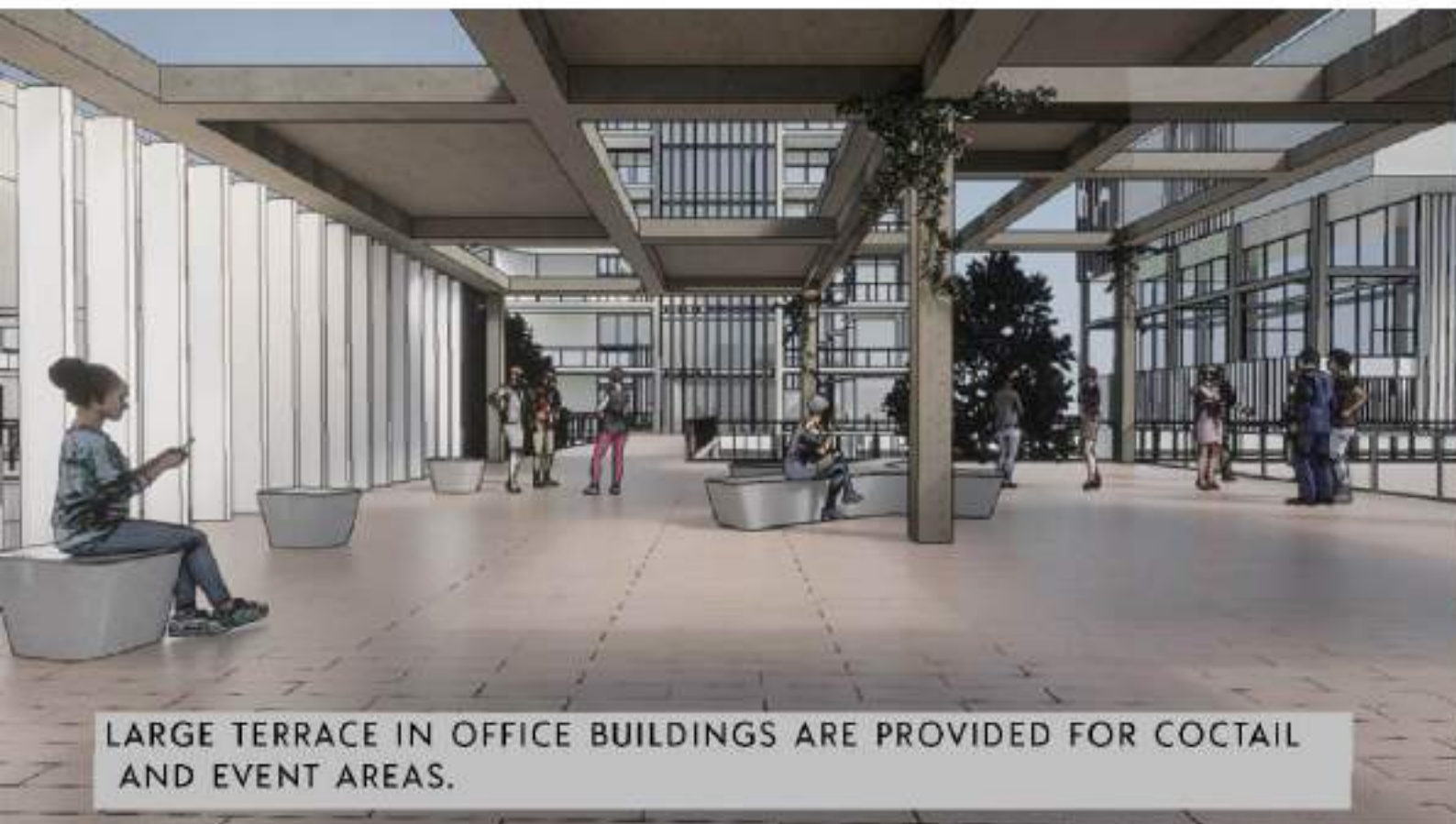
OFFICE BUILDINGS HOST EXHIBITIONS AND CAFES ON THE GROUND FLOORS. IT FEATURES INVITING SEMI-OPEN SPACE WITH CONSTANT PASSAGE FROM THE MUSEUM AND THE COMMUNITY CENTER.



FABLAB AND SOFTWARE COMPANIES ARE INTEGRATED WITH BETWEEN TRANSITIONS AND COMMON WALKABLE COVERS.



STORYTELLING



LARGE TERRACE IN OFFICE BUILDINGS ARE PROVIDED FOR COCTAIL AND EVENT AREAS.



THE MUSEUM IS LOCATED RIGHT ACROSS THE STATION



THERE IS CONTINUOUS TRANSITION BETWEEN THE STATION, MUSEUM, OFFICES AND COMMUNITY CENTER.



FOCUS AREA



SEATING AREAS LOCATED TOWARDS THE EXHIBITION AREA OFFER A REST AREA FOR VISITORS.



IT CENTER AND INNOVATION CENTER



METRO ENTRANCE



INNOVATIVE NEXUS

BASMANE, IZMIR



FOCUS AREA





INNOVATIVE NEXUS

BASMANE, IZMIR



FOCUS AREA





INNOVATIVE NEXUS

BASMANE, IZMIR

FOCUS AREA





FOCUS AREA





THE CENTER OF VALUES

ÇIGLI, İZMİR



THE CENTER OF THE VALUE

ÇİĞLİ, İZMİR

SITE ANALYSIS



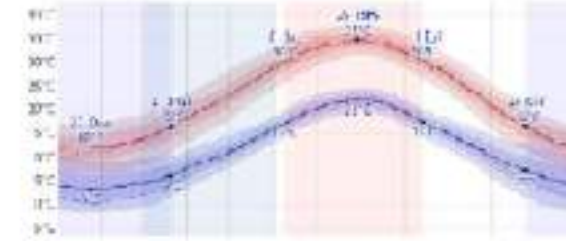
ROADWAY ANALYSIS OF ÇİĞLİ

ÇİĞLİ IS A DISTRICT OF İZMİR PROVINCE OF TURKEY. IT IS KNOWN THAT THE FIRST SETTLEMENT IN ÇİĞLİ WAS CARRIED OUT BY THE TURKS WHO MIGRATED FROM THE BALKANS TOWARDS THE END OF THE 19TH CENTURY.

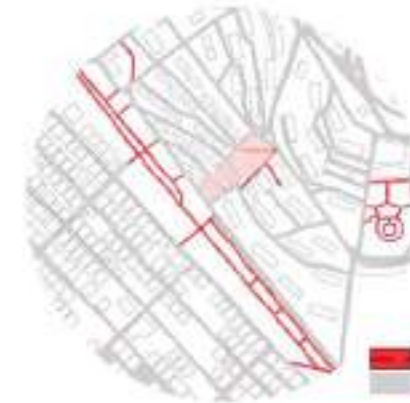


SOLID-VOID ANALYSIS

SOLID
VOID



SUMMERS ARE HOT AND DRY, AND WINTERS ARE WARM AND RAINY.



PEDESTRIAN VEHICLE ROADS



DENSITY ANALYSIS

HIGH DENSITY
LOW DENSITY



PUBLIC TRANSPORTATION



MAIN ROAD- SECONDARY ROAD ANALYSIS

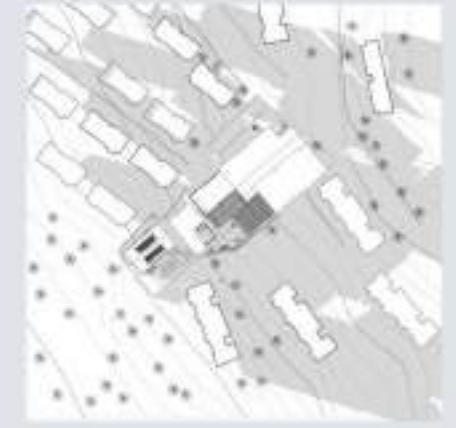
SHADOW DIAGRAMS



JUNE 21ST, 08.00 AM



JUNE 21ST, 13.00 PM



JUNE 21ST, 18.00 PM



DECEMBER 21ST, 09.00 AM



DECEMBER 21ST, 12.00 PM



DECEMBER 21ST, 16.00 PM



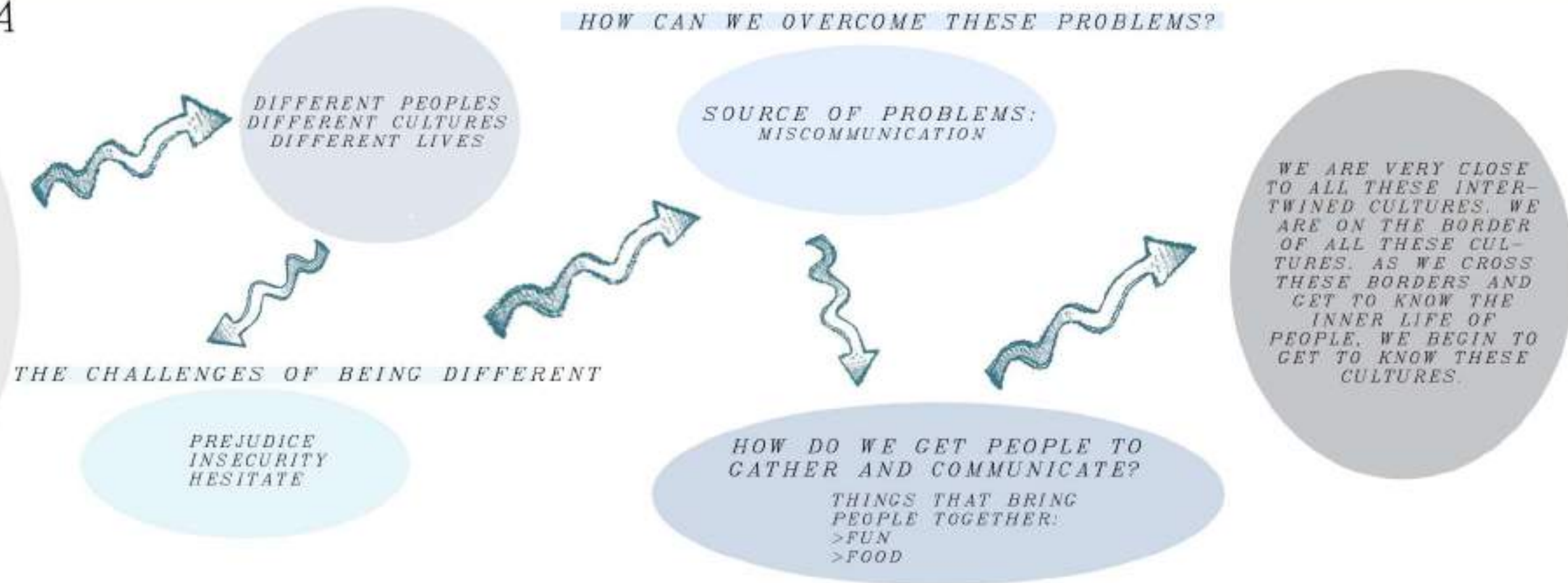
THE CENTER OF THE VALUE

ÇİĞLİ, İZMİR

CONCEPT IDEA

WHO LIVES AROUND?

- > THOSE WHO IMMIGRATED FROM ALL OVER THE TURKEY.
- > THOSE WHO CAME FROM WESTERN THRACE AFTER THE PROCLAMATION OF THE REPUBLIC.
- > IN THE EARTHQUAKE OF 1966, MANY EARTHQUAKE SURVIVORS SETTLED HERE.



CONCEPTIAL IDEA

IT WAS PLANNED TO MAKE A DESIGN TO BRING BACK THE OLD NEIGHBORHOOD CULTURE, TO GATHER PEOPLE TOGETHER AND NOT TO FORGET THEIR HOMELAND WHERE THEY MIGRATED, AND TO ENSURE THAT THEY DO NOT FEEL ALONE.

USER PROFILE



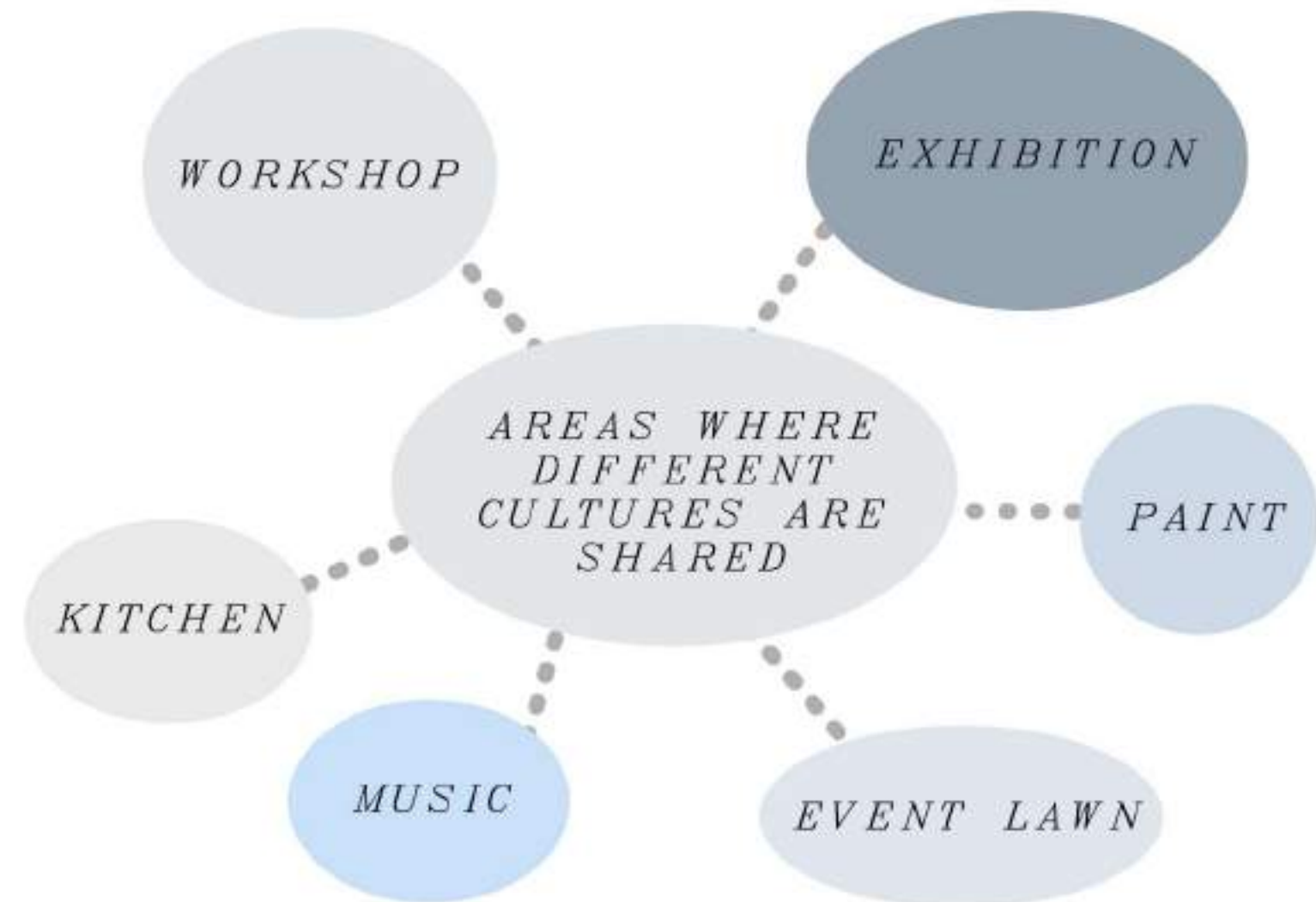
OLD PEOPLE
FROM ALL OVER
THE ÇİĞLİ



ACADEMICS



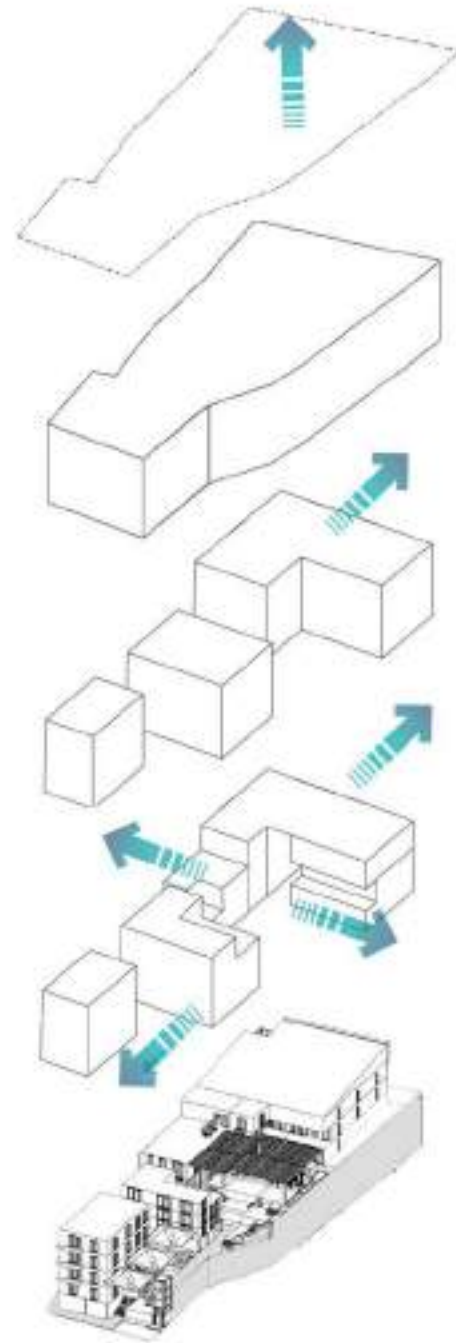
VISITORS





THE CENTER OF THE VALUE ÇİĞLİ, İZMİR

DESIGN IDEA



CIRCULATION PATH



CENTRAL POINT

THANKS TO THE LOWNESS OF THE CAFE AND TERRACE IN THE CENTER, IT IS VISIBLE FROM ALL PLACES AND TURNS INTO A POINT THAT ATTRACTS PEOPLE.

USE OF CENTRAL EVENT GREENERY



CONCERT



SOCIALIZING AREA- CAFE



EXHIBITION



SPEECH

PROGRAM DIAGRAM

- POOL
- TURKISH HAMAM
- PHYSICAL TREATMENT
- WORKSHOP
- UNIVERSITY
- SPORT AREAS

- CAR PARK
- RESTING AREAS



- CAR PARK
- CAFETERIA
- OFFICES
- CULTUREL SHARING ROOMS
- MULTI USE



THE CENTER OF THE VALUE

ÇİĞLİ, İZMİR



3D COLLECTION



THE CENTER OF THE VALUE ÇİĞLİ, İZMİR

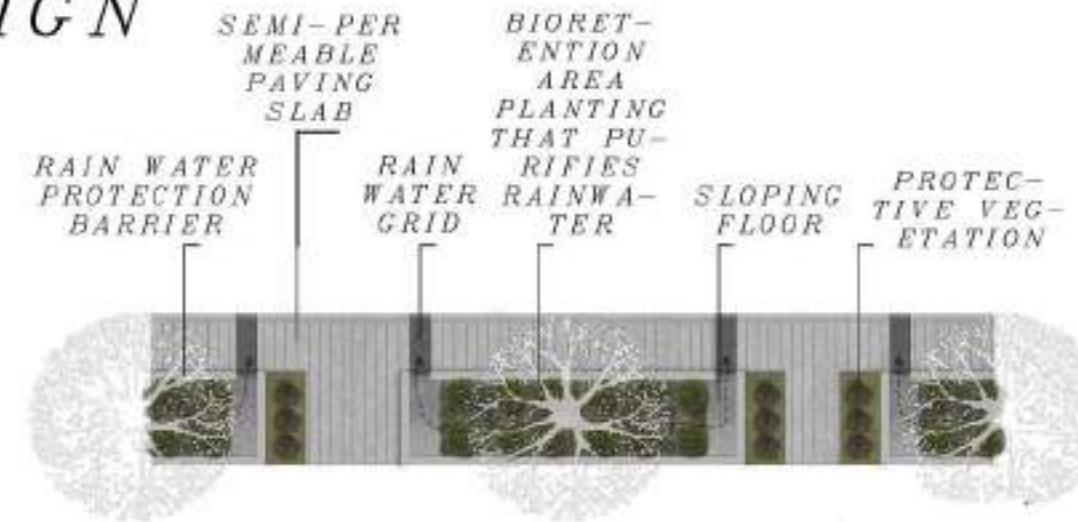
SUSTAINABLE DESIGN



IT IS PLANNED TO COLLECT RAIN WATER, THE POOL WAS PLACED SO THAT THE EVAPORATING WATER WOULD COOL IN THE SUMMER.

WHEN 'WATER ABSORBING ASPHALT' IS USED IN THE PARKING LOT, THE ACCUMULATED WATER CAN BE REUSED BY GOING TO THE WATER TREATMENT ROOM.

BIORETENTION- RAIN WATER TREATMENT SYSTEM



SOLAR PANEL



RAINWATER COLLECTION

CONTROL OF SUNLIGHT IS ENSURED WITH THE FRAGMENTED STRUCTURE AND EAVES THAT CAST SHADOWS ON EACH OTHER.

THE BUILDING IS AIMED TO BE AS ECO-NOMICAL AS POSSIBLE, AND SUSTAINABILITY IS ENSURED WITH LOCAL AND NATURAL MATERIALS SUCH AS REINFORCED CONCRETE, BRICK AND WOOD USED IN THE BUILDING.

SOLAR ENERGY IS A RENEWABLE ENERGY SOURCE WITH FEATURES SUCH AS BEING EASY TO INSTALL AND USE, AS WELL AS NOT POLLUTING THE ENVIRONMENT AND NOT CREATING HARMFUL WASTE.

SUN AND RAIN ARE CONTROLLED WITH PERFORATED WOOD SUN-SHADES AND TOP COVER ELEMENTS AT THE TOP.

THE ROOF OF THE CONFERENCE ROOM WAS ADJUSTED TO BE SLOPING. THE ROOF IS SUPPORTED BY THE TRUSS SYSTEM.

PASSIVE COOLING IS AIMED BY ENSURING THE CIRCULATION OF NATURAL AIR IN THE BUILDING.





THE CENTER OF THE VALUE

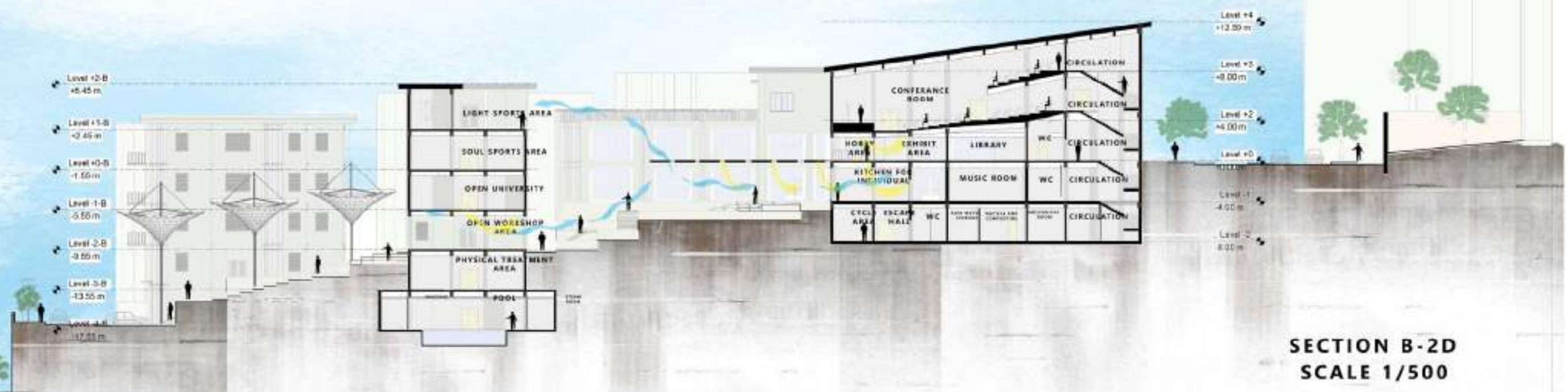
ÇİĞLİ, İZMİR



GROUND PLAN
+93 LEVEL



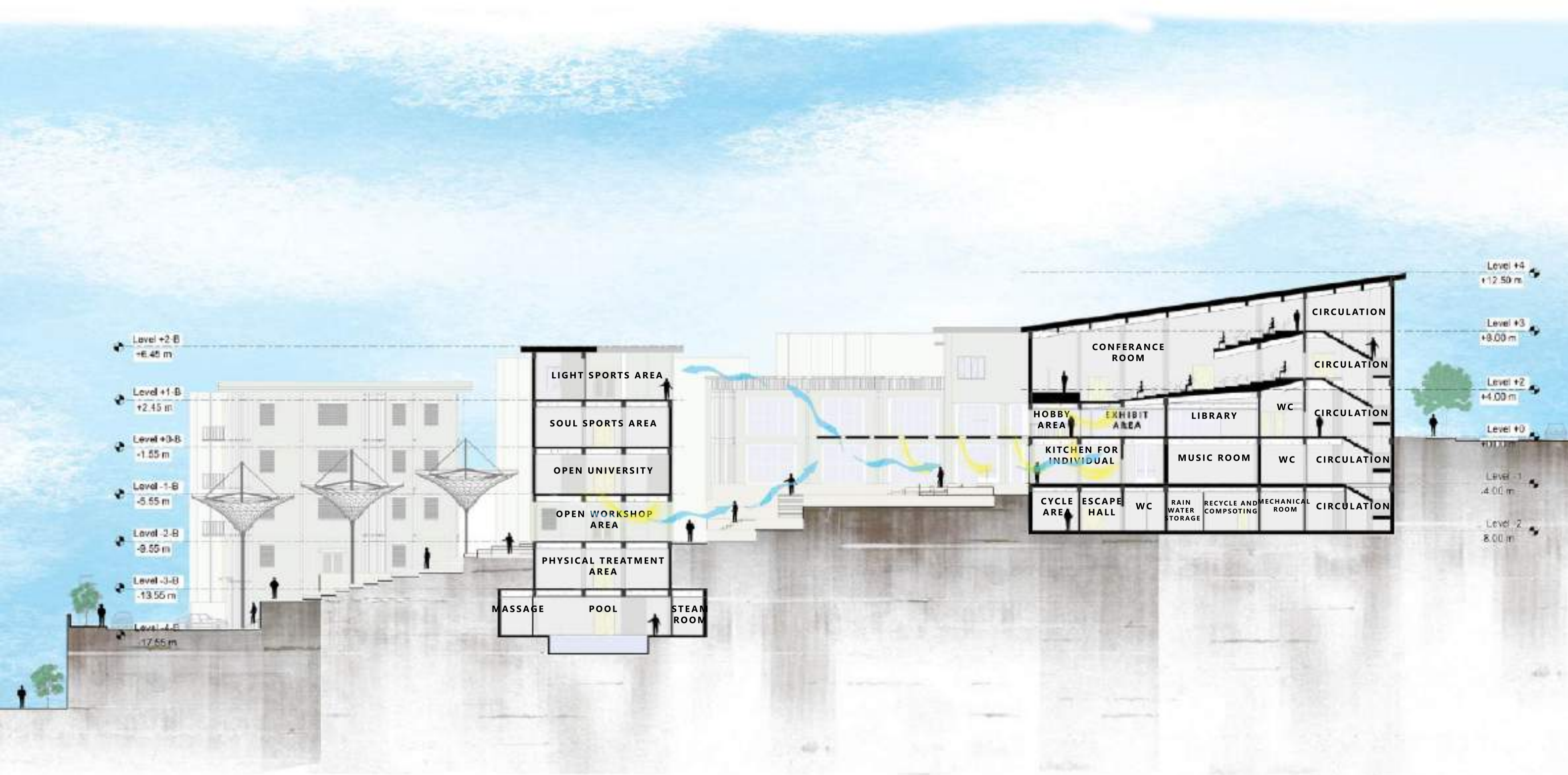
SECTION C-3D





THE CENTER OF THE VALUE

ÇİĞLİ, İZMİR



SECTION B-2D
SCALE 1/500



THE CENTER OF THE VALUE

ÇIĞLI, İZMİR



EAST ELEVATION



WEST ELEVATION



SOUTH ELEVATION



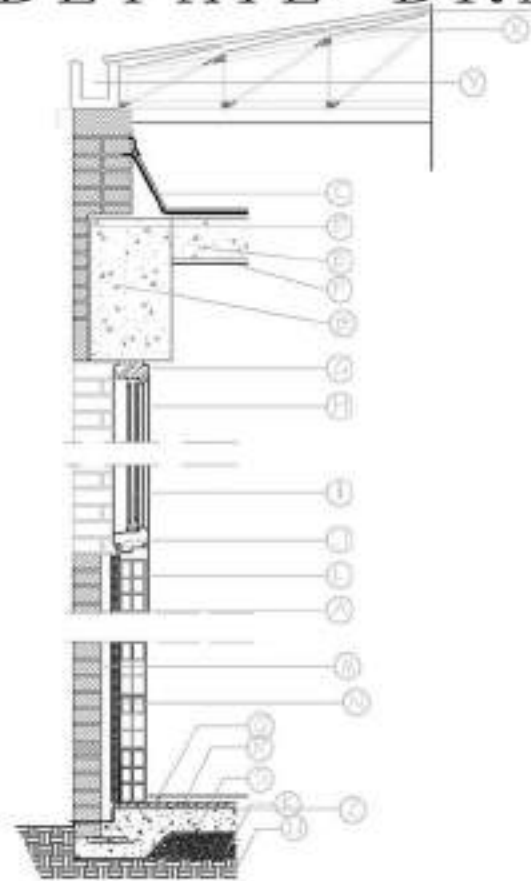
SECTION A-2D



THE CENTER OF THE VALUE

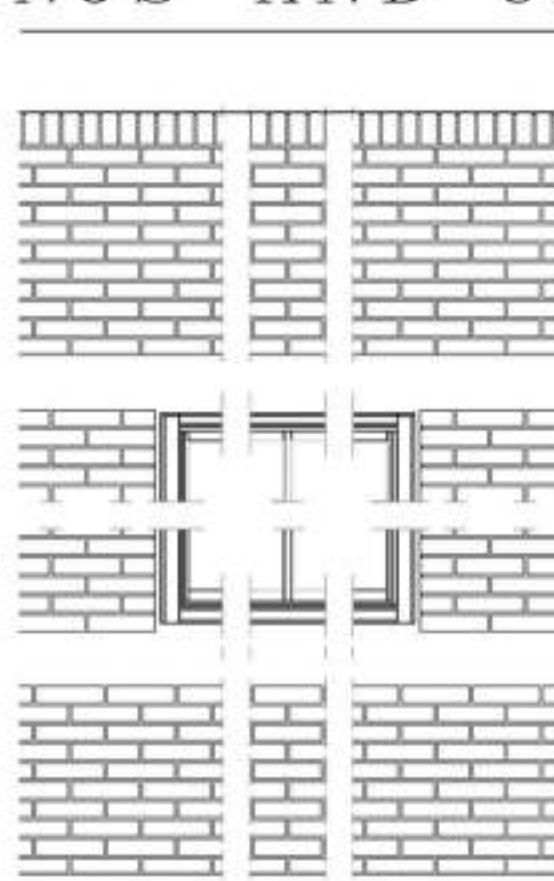
ÇİĞLİ, İZMİR

DETAIL DRAWINGS AND CALCULATIONS



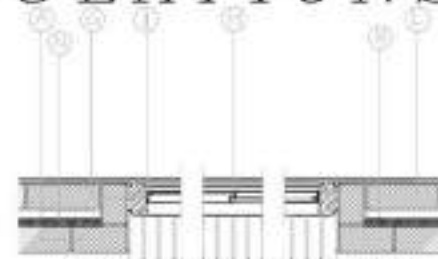
SOUTH AND EAST FACADE EXTERIOR WALLS

Thermal Mass: 208.313 (m³·K)			
Layers	Function	Material	EXT
1	Finish 1 [4]	Brick, Common	90.0
2	Thermal/Air Layer [3]	Air	75.0
3	Membrane Layer	Air Infiltration Barrier	0.0
4	Substrate [3]	Plywood, Sheathing	18.0
5	Core Boundary	Layers Above Wrap	0.0
6	Finish 1 [4]	Brick, Common	102.0
7	Core Boundary	Layers Below Wrap	0.0
8	Membrane Layer	Vapour Retarder	0.0
9	Finish 2 [5]	Gypsum Wall Board	15.0



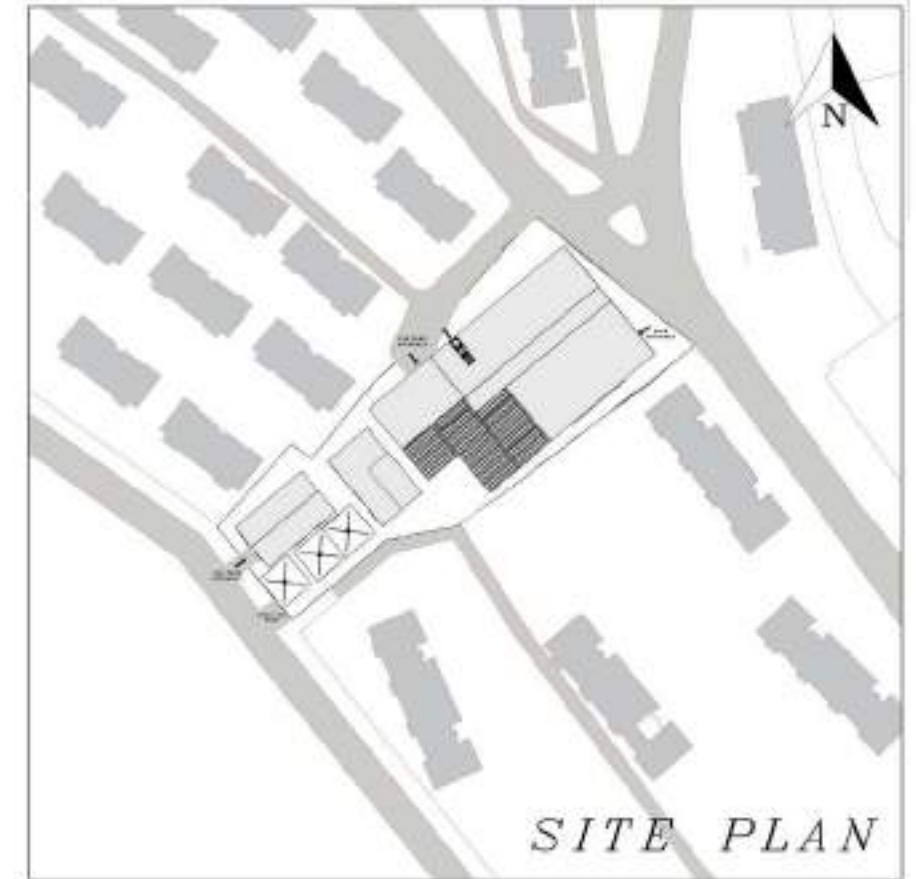
NORTH AND WEST FACE EXTERIOR WALLS

Layers			
Function	Material	Thicknes	EXT
1	Finish 1 [4]	CMU, Lightweight	10.0
2	Core Boundary	Layers Above Wrap	0.0
3	Structure [1]	Brick, Adobe	120.0
4	Thermal/Air Layer [3]	Air	40.0
5	Structure [1]	Brick, Adobe	120.0
6	Core Boundary	Layers Below Wrap	0.0
7	Finish 2 [5]	CMU, Lightweight	10.0



GENERAL NOTES

- ◉ VISIBLE BRICK
- ◉ CONCRETE BEAM
- ◉ WATER ISOLATION
- ◉ COATING BRICK
- ◉ CONCRETE FLOOR
- ◉ PAINT AND PLASTER
- ◉ WOODEN SHUTTER
- ◉ ALUMINUM GLAZING
- ◉ ALUMINUM WINDOW
- ◉ WOODEN FRAME IN WINDOW
- ◉ CONCRETE SLAB
- ◉ INTERIOR BRICK
- ◉ FINISH FLOOR
- ◉ SLAB ON GRADE
- ◉ VAPOR RETARDER
- ◉ GRAVEL
- ◉ COMPACTED SOIL
- ◉ AIR SPACE
- ◉ INSULATION
- ◉ FLASHING
- ◉ SILL
- ◉ CHIMNEY
- ◉ ZINC-TITANIUM ALLOY ROOF



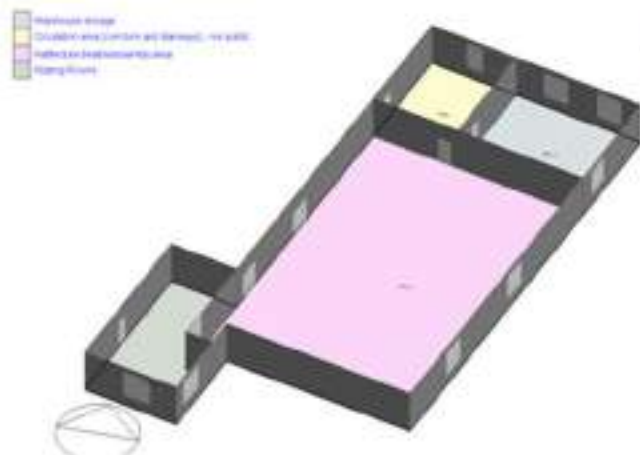
SITE PLAN

FACADE COATING

Layers			
Function	Material	Thicknes	EXT
1	Core Boundary	Layers Above Wrap	0.0
2	Structure [1]	Steel, Carbon	40.0
3	Core Boundary	Layers Below Wrap	0.0
4	Thermal/Air Layer [3]	Air	20.0
5	Finish 2 [5]	Wood Sheathing, Chipboard	40.0

INTERIOR WALLS

Layers			
Function	Material	Thicknes	EXT
1	Finish 1 [4]	CMU, Lightweight	10.0
2	Core Boundary	Layers Above Wrap	0.0
3	Structure [1]	Brick, Adobe	180.0
4	Core Boundary	Layers Below Wrap	0.0
5	Finish 2 [5]	CMU, Lightweight	10.0



Fixed Surface Elements	U values	Thicknesses
External Wall	0.317	0.3
Internal Wall	1.63	0.20
Below Grade Wall	0.35	0.30
Basement Floor	0.25	0.15
Internal Floor	2.25	0.15
External Floor	0.25	0.20
Flat Roof	0.17	0.20
Pitched Roof	0.16	0.20
Window	2.171	0.10

Site and Source Energy

	Total Energy [kWh]	Energy Per Total Building Area [kWh/m²]	Energy Per Conditioned Building Area [kWh/m²]
Total Site Energy	208052.02	213.85	213.85
Net Site Energy	208052.02	213.85	213.85
Total Source Energy	432193.36	444.25	444.25
Net Source Energy	432193.36	444.25	444.25



Fixed Surface Elements	U values	Thicknesses
External Wall	0.423	0.25
Internal Wall	1.07	0.20
Below Grade Wall	0.43	0.30
Basement Floor	0.226	0.35
Internal Floor	2.43	0.15
External Floor	0.9	0.2
Flat Roof	0.21	0.35
Pitched roof	1.03	0.30
Window	1.97	0.18

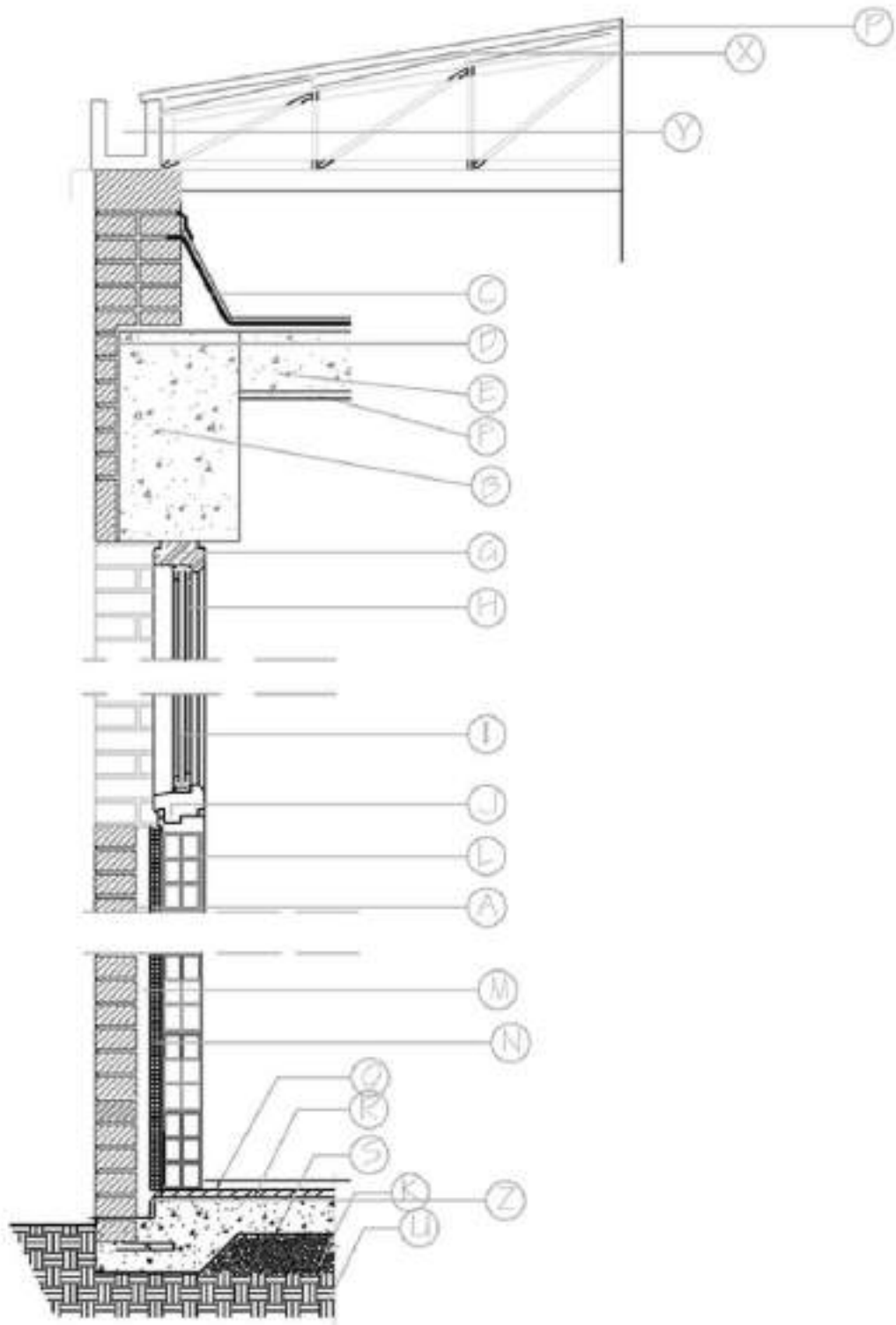
Site and Source Energy

	Total Energy [kWh]	Energy Per Total Building Area [kWh/m²]	Energy Per Conditioned Building Area [kWh/m²]
Total Site Energy	205472.81	210.55	210.55
Net Site Energy	205472.81	210.55	210.55
Total Source Energy	428353.42	438.93	438.93
Net Source Energy	428353.42	438.93	438.93

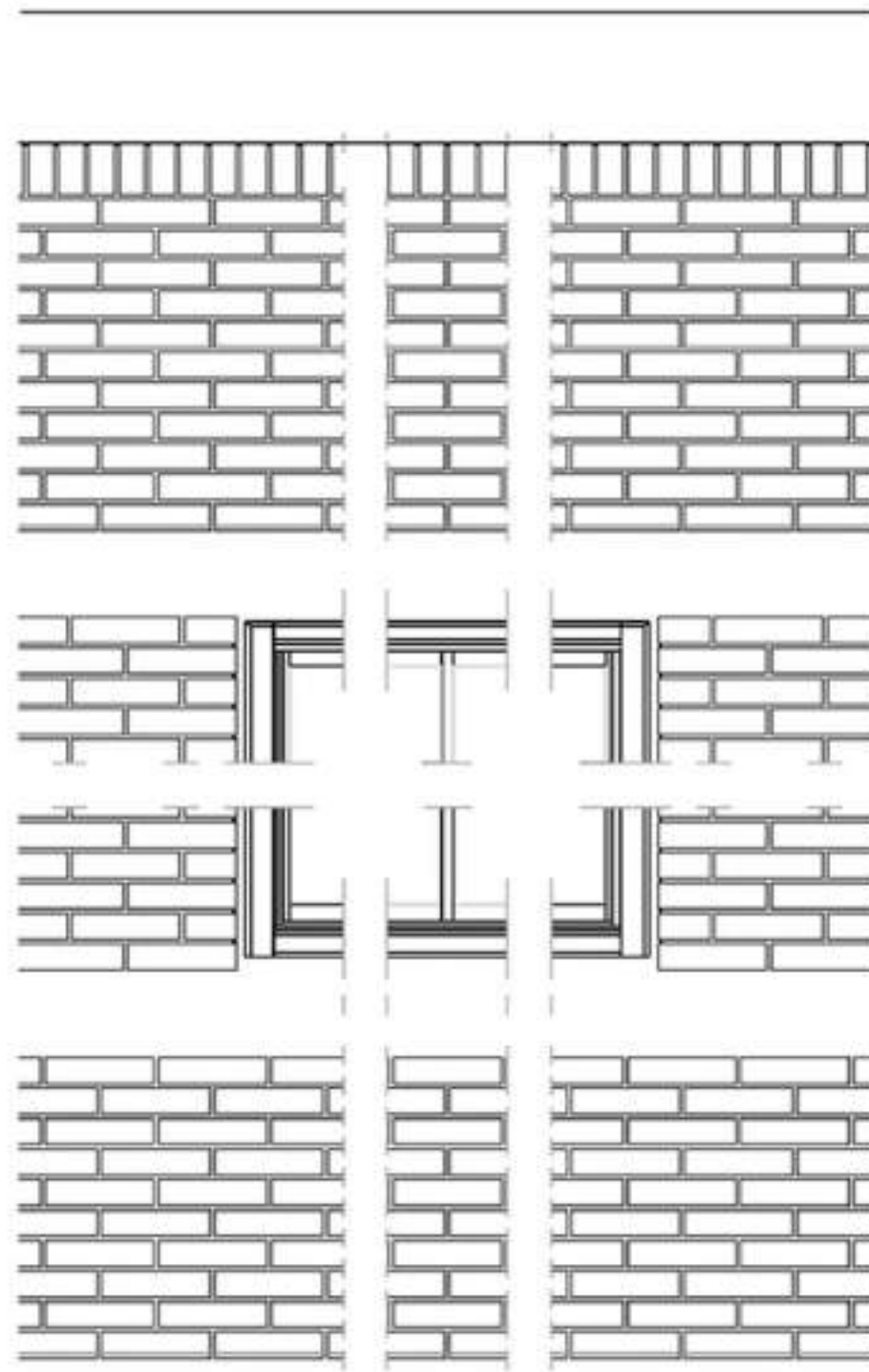




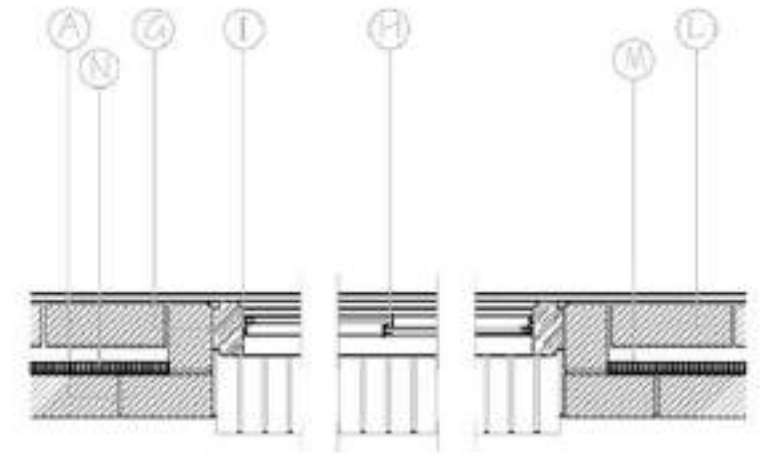
DETAIL DRAWINGS



SECTION 1



ELEVATION



SECTION 2

GENERAL NOTES

- (A) VISIBLE BRICK
- (B) CONCRETE BEAM
- (C) WATER ISOLATION
- (D) COATING BRICK
- (E) CONCRETE FLOOR
- (F) PAINT AND PLASTER
- (G) WOODEN MARKETER
- (H) ALUMINUM GLASS GLAZING
- (I) ALUMINUM MARKETER
- (J) WOODEN FRAME IN WINDOW
- (K) CONCRETE SLAB
- (L) INTERIOR BRICK
- (M) FINISH FLOOR
- (N) SLAB ON GRADE
- (O) VAPOR RETARDER
- (P) GRAVEL
- (Q) COMPACTED SOIL
- (R) AIR SPACE
- (S) INSULATION
- (T) FLASHING
- (U) EAVE
- (V) CHANNEL
- (W) ZINC, TITANIUM ALLOY ROOF



THE CENTER OF THE VALUE

ÇIĞLI, İZMİR

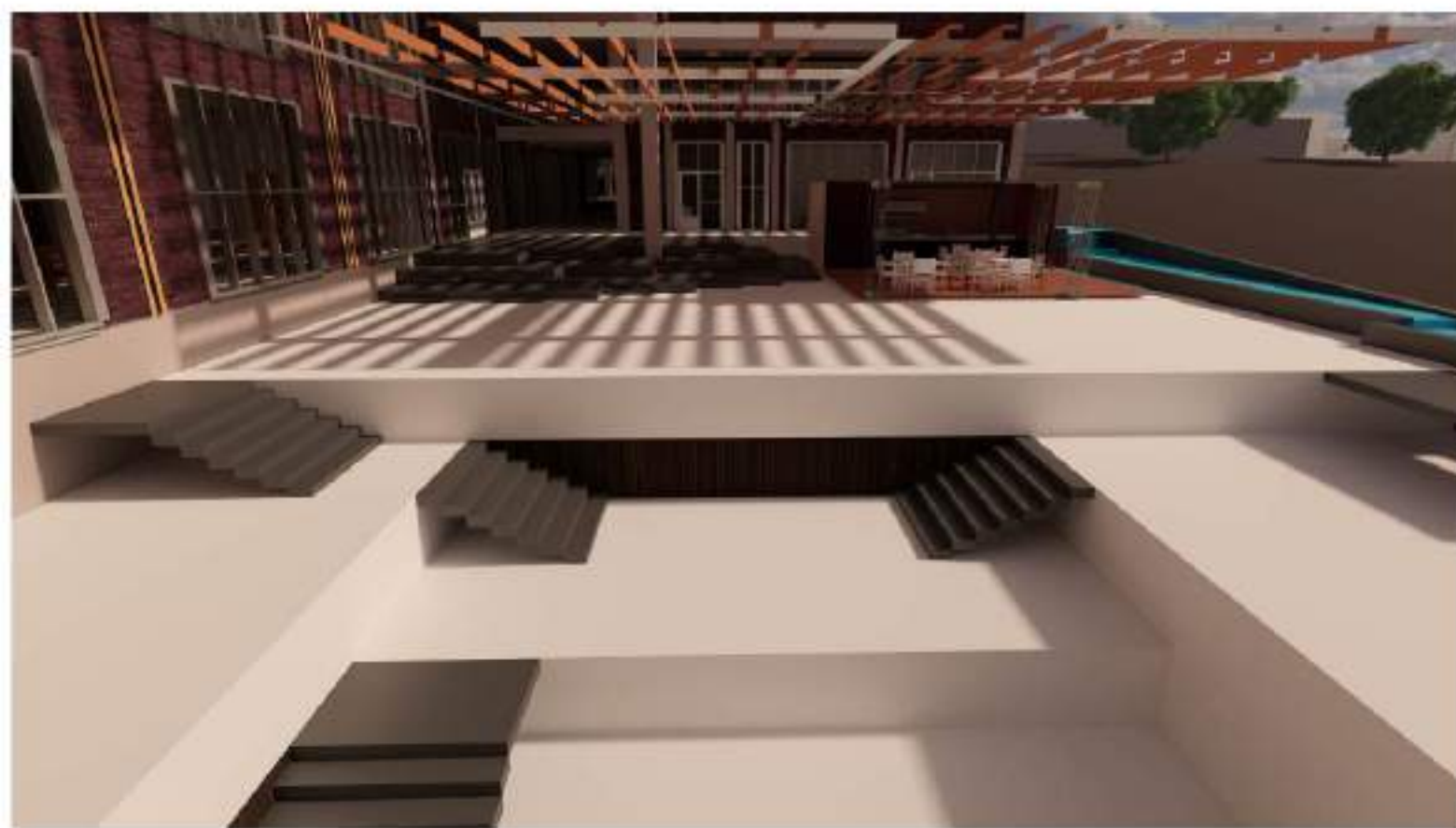


SECTION B-3D



THE CENTER OF THE VALUE

ÇİĞLİ, İZMİR





THE CENTER OF THE VALUE

ÇİĞLİ, İZMİR

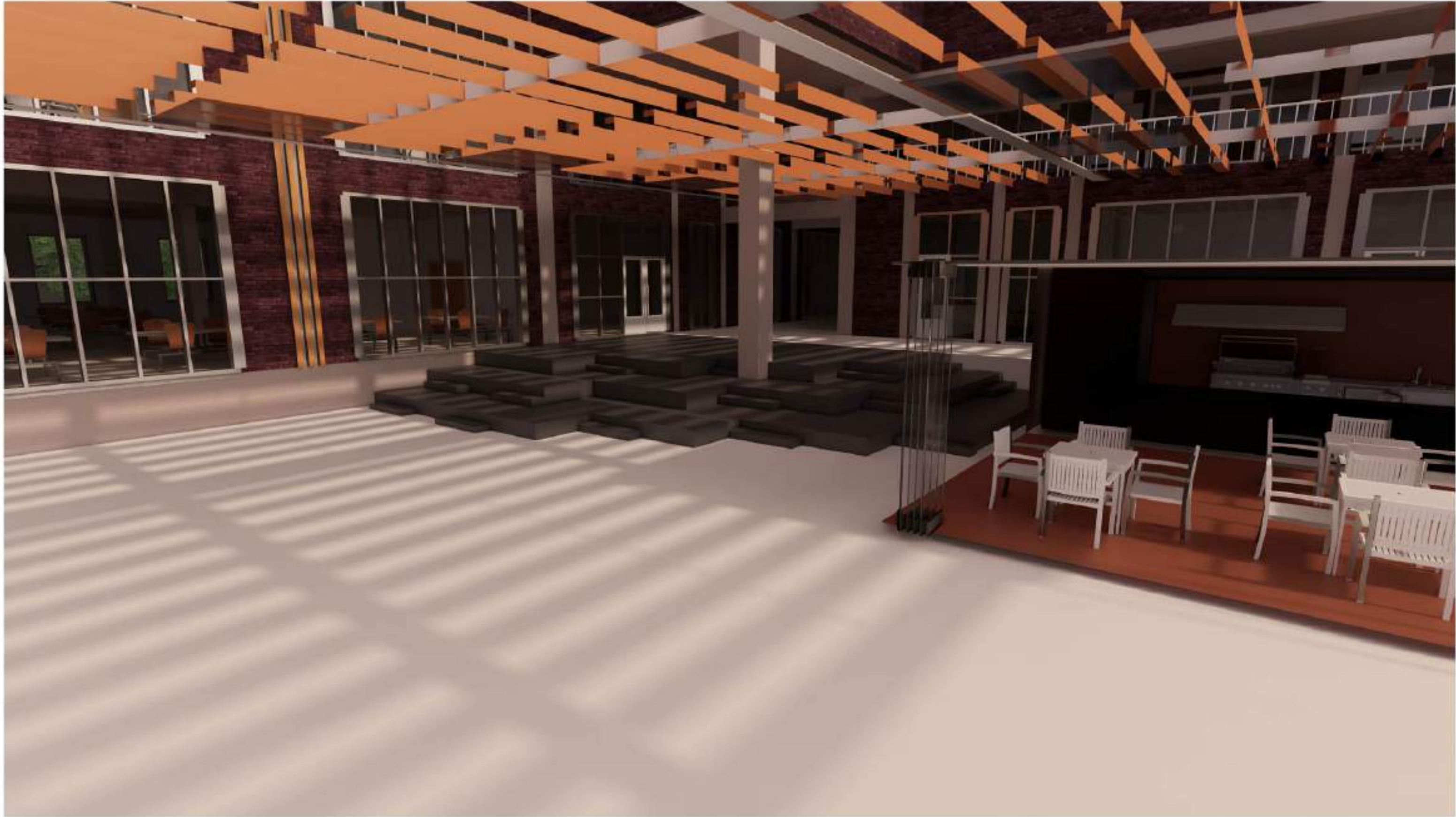


EVENT AREA – MULTI – PURPOSE STAIRS – POOL



THE CENTER OF THE VALUE

ÇİĞLİ, İZMİR



MULTI-PURPOSE STAIRS-CAFE



METRO-LUXE RESIDENCE

TOKYO, JAPAN



SITE ANALYSIS

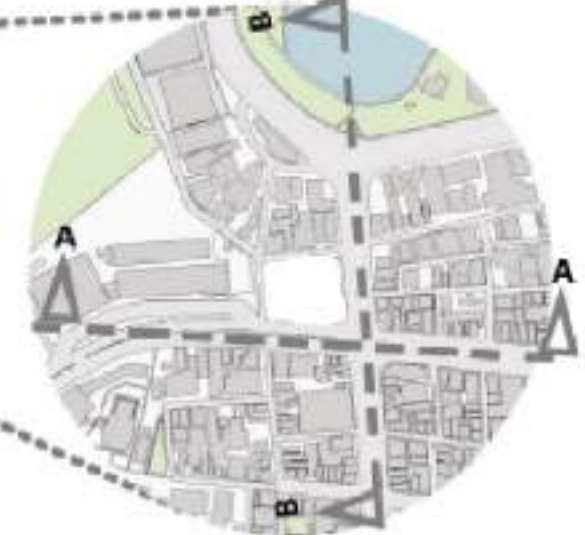
3 CHOME- 47 YUSHIMA, BUNKYO JAPAN



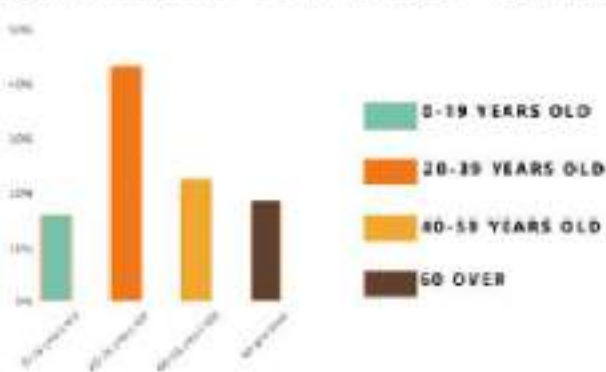
TOKYO WARDS



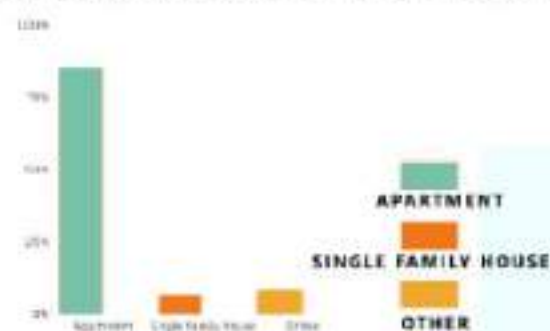
SITE



POPULATION OF BUNKYO BY AGE GROUP



DISTRIBUTION OF HOUSING TYPES IN BUNKYO



Distribution of Tokyo Foreign Population



Diversity Within Tokyo Cities



0010

SECTION A-A SCALE:1/1000



[illegible]

The map displays the study area, which is highlighted in red. It shows the location of the study site relative to the Torii Onodo Line (Main Road) and the Chiyoda Line (Main Road). The map also shows the locations of bus stops, metro stations, car parks, and bike parks.

Figure 1 is an aerial photograph of the study area in Istanbul. The city center is visible in the upper left, and the Bosphorus Strait is in the upper right. The study site is highlighted in orange in the lower right quadrant. A legend at the bottom identifies the symbols: a black square for 'SOLID', a white square for 'VOID', and an orange square for 'SITE'.

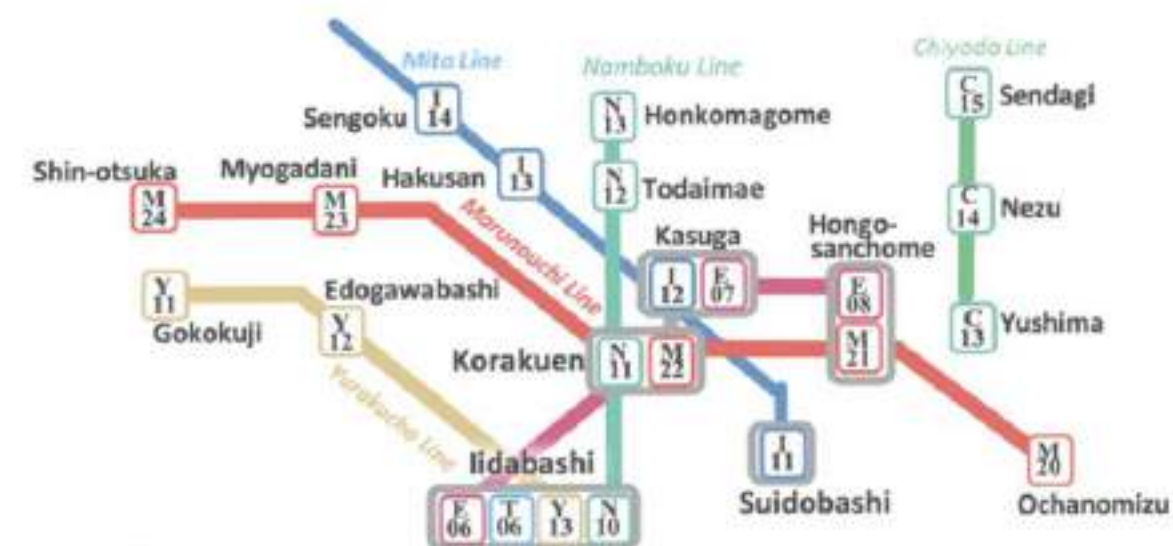
-THERE ARE OVER 10 METRO AND TRAIN STATIONS IN BUNKYO WARD.

-THE WARD IS EASILY ACCESSIBLE TO OTHER CENTRAL AREAS OF TOKYO.

-PARTICULARLY VIA THE MARUNOUCHI AND YAMANOTE LINES.

-BUNKYO WARD HAS MANY BUS ROUTES THAT CONNECT IT TO OTHER PARTS OF TOKYO.

-BUNKYO WARD IS INTERSECTED BY THREE TOKYO METRO LINES AND ONE TOEI METRO LINE.



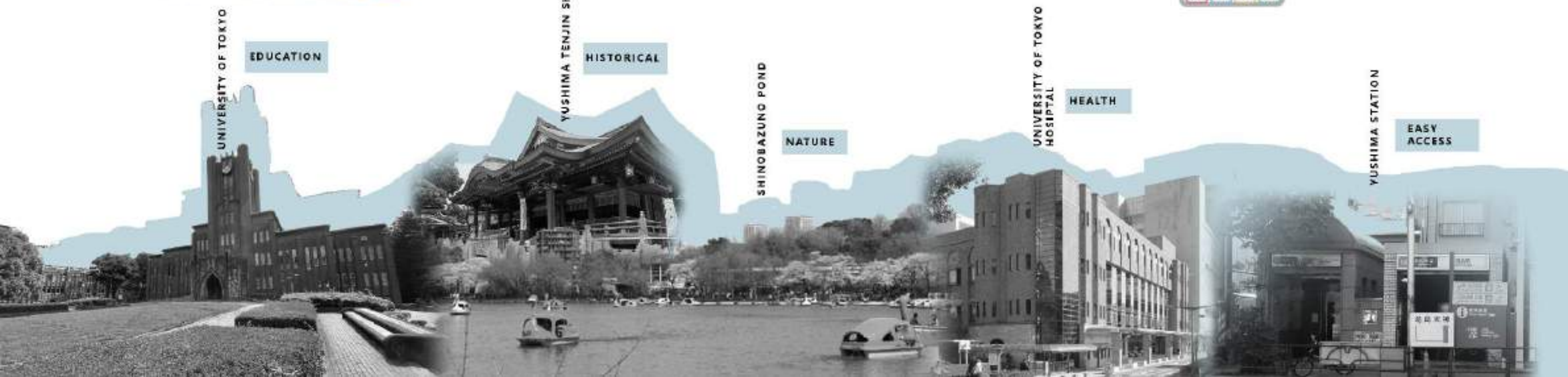
EDUCATION

HISTORICAL

NATURE

HEALTH

**EASY
ACCESS**

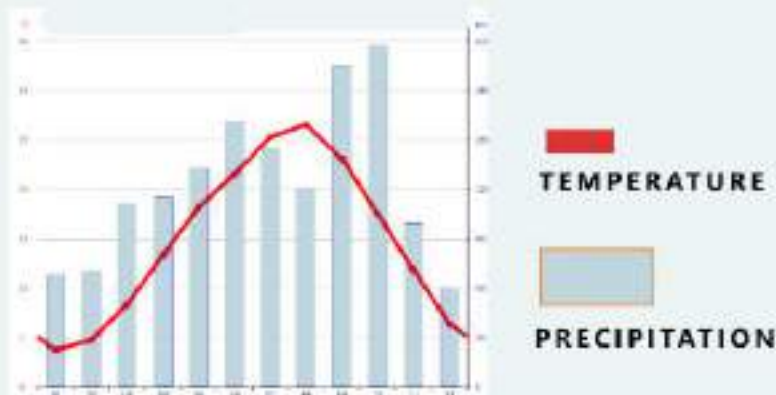




METRO-LUXE RESIDENCE

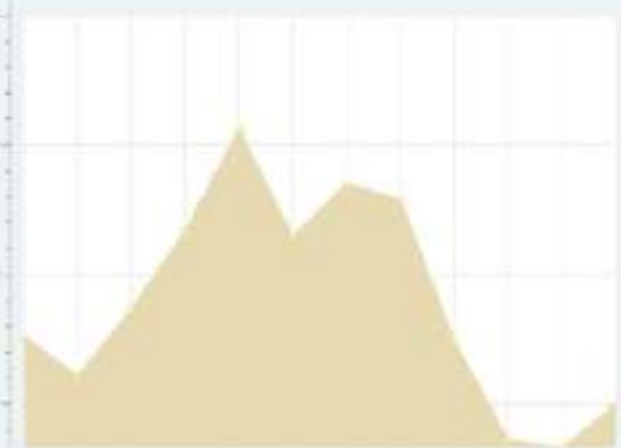
TOKYO, JAPAN

TEMPERATURE AND PRECIPITATION



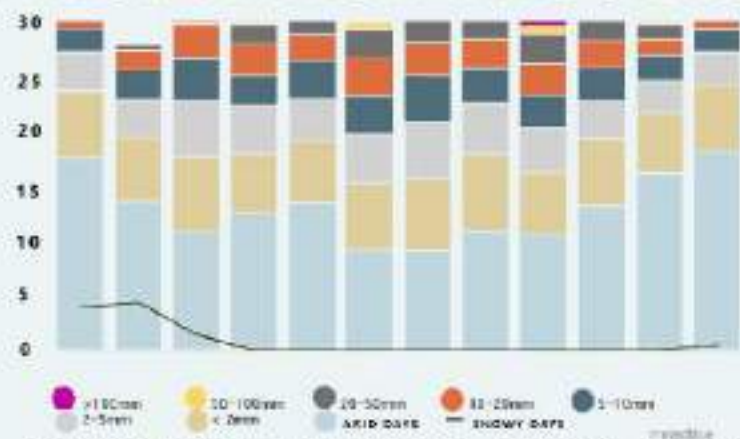
AVERAGE DAILY SUNHOURS PER MONTH IN BUNKYO

DAILY SUNHOURS



WITH AN AVERAGE OF 6.66 HOURS OF DAYLIGHT PER DAY, JANUARY IS THE MONTH IN BUNKYO WITH THE FEWEST DAILY HOURS OF SUNLIGHT.

PRECIPITATION AMOUNTS (DAYS)





METRO-LUXE RESIDENCE

TOKYO, JAPAN

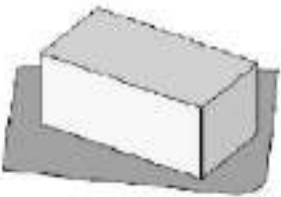
DESIGN IDEA



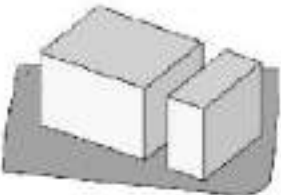
PROJECT SITE



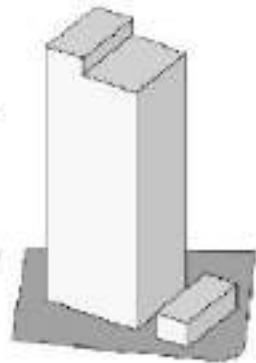
BORDER



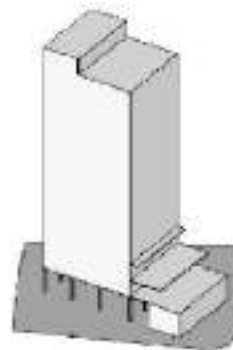
VOLUME



ROAD FOR
PEDESTRIANS
TO PASS



TERRACING



TO PROVIDE COM-
FORTABLE PEDESTRI-
AN FLOW AND EASY
SUBWAY ENTRANCE
BY LIFTING THE
MASS BY 6 METERS
WITH COLUMNS.



THE DIRECTION OF THE
MASS IS DIAGONALLY
PLACED TO AVOID THE
TRAFFIC OF THE MAIN
ROAD AND TO ALLOW
THE UNITS TO HAVE A
VIEW OF THE LAKE AND
GREEN PARK.





METRO-LUXE RESIDENCE

TOKYO, JAPAN

HOUSING UNITS

30 SINGLE UNIT 6*6 36M2
20 SUIT UNIT 7*6 42 M2
20 FAMILY UNIT (FOR 3 PEOPLE) 9*6 54 M2
10 FAMILY UNIT (FOR 4 PEOPLE) 6*13 78 M2 UNIT

SOCIAL SPACES

OPEN KITCHEN 7*4,6=32 M2 128 M2 TOTAL
THE FLOOR KITCHEN THAT OFFERS THE OPPORTUNITY TO SOCIALIZE IF THE OWNERS WANT TO COOK WITH THEIR FRIENDS AND NEIGHBORS. THEY CAN EAT IN THE UPSTAIRS DINING AREA BY CLIMBING THE SPIRAL STAIRCASE INSIDE THE KITCHEN.

SITTING AREA 180 M2 TOTAL
THE ENTRANCE TO THIS AREA IS GLASS AND ALWAYS OPEN FOR THE CORE TO RECEIVE LIGHT. 7*4,6 32,2 M2

MEETING AREA - TERRACE (SEMI-OPEN) 230 M2

X- FACTOR

GAME ROOM (ARCADES) 400M2+ BALCONY.
IT IS A VERY POPULAR EVENT IN JAPAN.

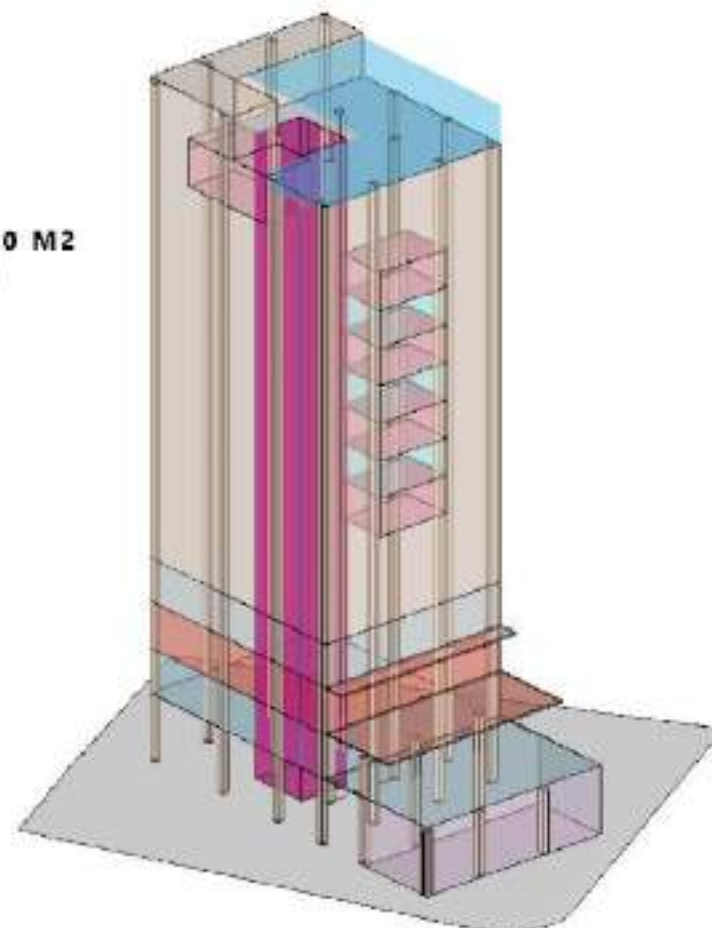
WORKSHOP 400M2 WITH SEMI OPEN AREA.
WHERE CALLIGRAPHY AND CLAY ITEMS ARE MADE. SEMI-OPEN AND OPEN SPACES ARE ALSO RESERVED FOR EXHIBITION.

MEETING ROOMS 400 M2
IT CAN BE ALSO USED FOR THE COLLECTIVE STUDY OF THE STUDENTS STAYING IN THE BUILDING IN THEIR SPARE TIME.

CORE

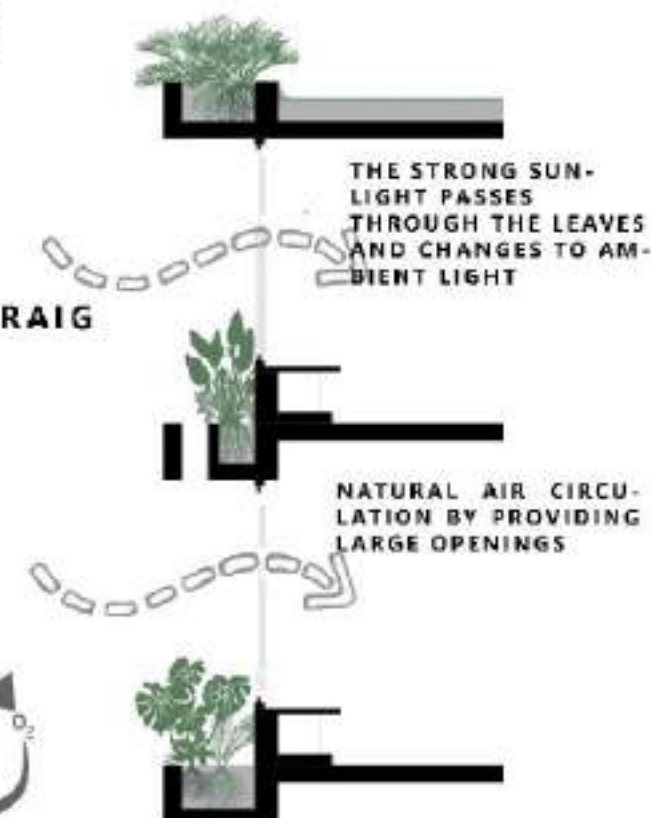
SUBWAY ENTRANCE 120 M2

UNDERGROUND PARKING 2 STOREY 1400 M2
GROUND BIKE PARK 80 M2 SEMI-OPEN



TROPICAL PLANTS USED IN THE PROJECT:

JAPANESE UMBRALLE PINE
FATSIA JAPONICA
BONSAI (METASEQUOI)
DRACAENA FRAGR. JANET CRAIG



THE STRONG SUN-LIGHT PASSES THROUGH THE LEAVES AND CHANGES TO AMBIENT LIGHT

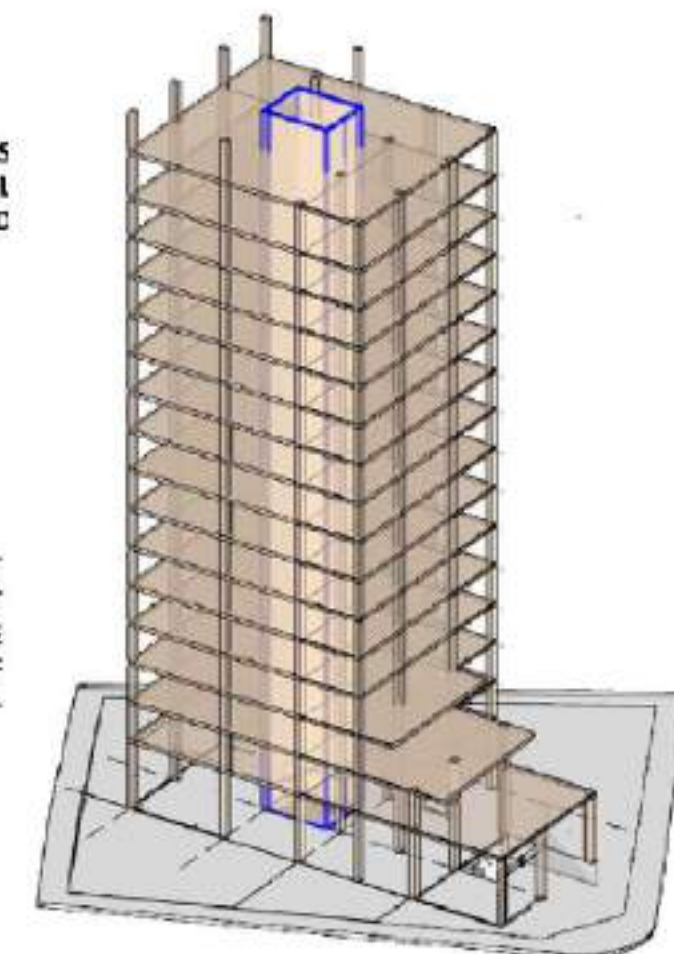
NATURAL AIR CIRCULATION BY PROVIDING LARGE OPENINGS

STRUCTURAL SYSTEM

REINFORCED CONCRETE COLUMNS AND CONCRETE CURTAIN WALL (CORE) ARE USED TO CREATE A SOLID STRUCTURE.

CONCEPTUAL IDEA

THE CONCEPTUAL BEGINNING POINT FOR THE PROJECT'S DEVELOPMENT WAS THE CONTRAST BETWEEN THE ORGANIC AND RANDOM SHAPES OF NATURE AND THE EXACT AND RECTILINEAR GEOMETRY.

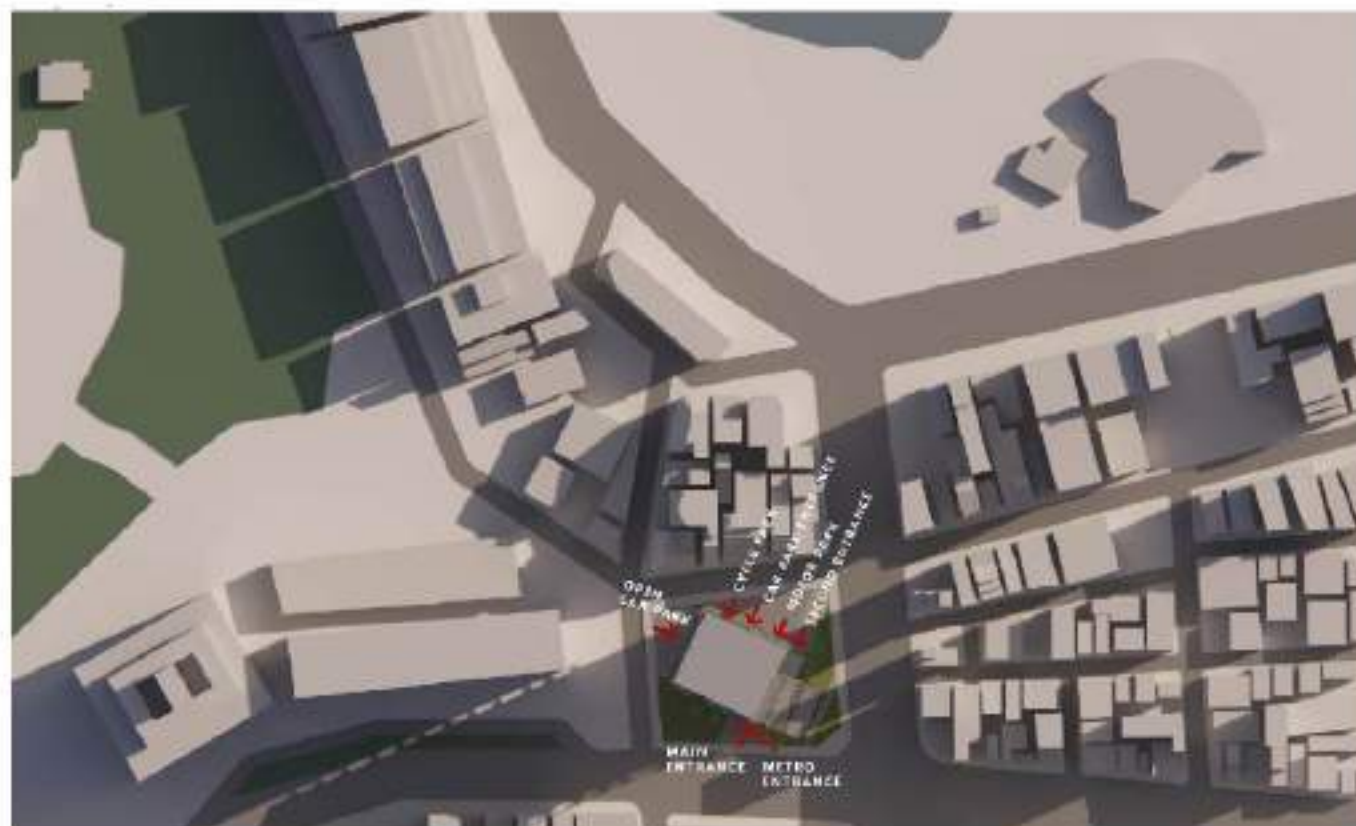




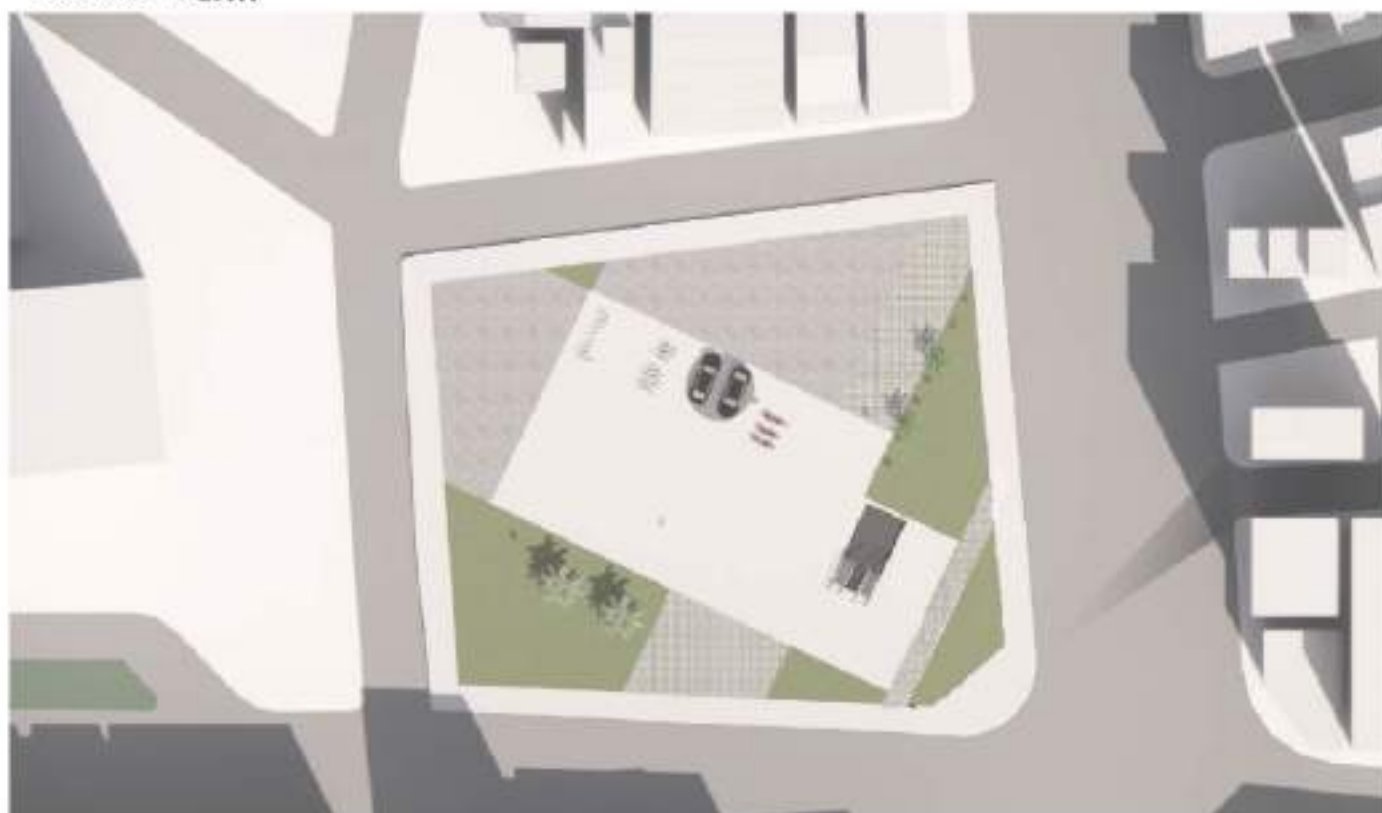
METRO-LUXE RESIDENCE

TOKYO, JAPAN

SITE PLAN



GROUND PLAN



SHADOW FOOTPRINT



DECEMBER 21ST 08.00 AM



JULY 21ST 07.00 AM



DECEMBER 21ST 12.00 PM



JULY 21ST 12.00 PM



DECEMBER 21ST 16.00 PM



JULY 21ST 18.00 PM



METRO-LUXE RESIDENCE

TOKYO, JAPAN



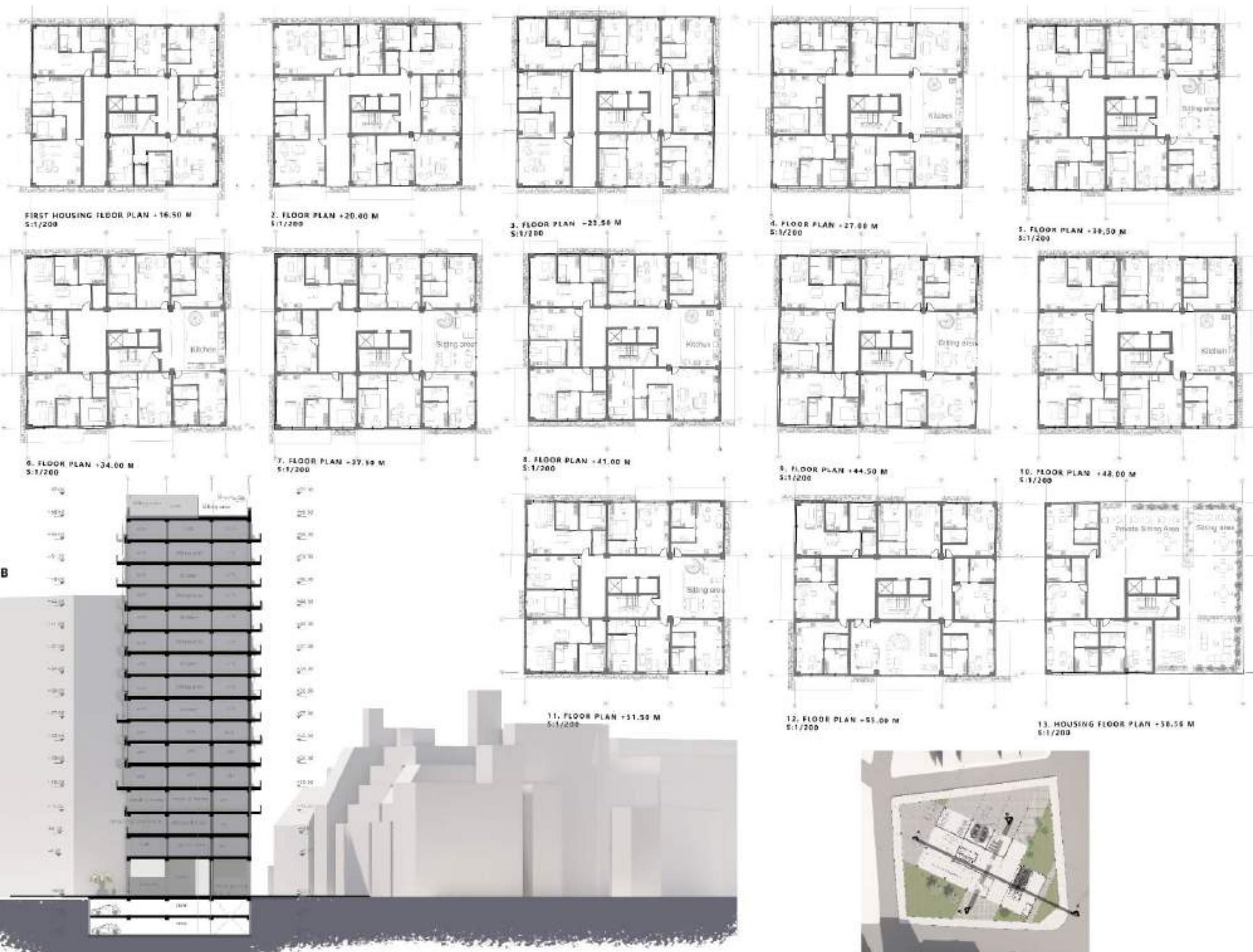
UNIT PLANS





METRO-LUXE RESIDENCE

TOKYO, JAPAN





METRO-LUXE RESIDENCE

TOKYO, JAPAN

ELEVATIONS



SOUTHEAST ELEVATION

DESIGN STANDS OUT FROM ITS NEIGHBORS FOR THE EXTENSIVE USE OF VEGETATION ON THE FAÇADE, AS WELL AS ITS ASYMMETRICAL BALCONIES THAT PROJECT ALONG THE BODY OF THE BUILDING.



MESH AND PLANTS WERE USED TO SHADE THE SOUTHEAST FAÇADE.



NORTHWEST ELEVATION



**SOUTHWEST ELEVATION
(MAIN ENTRANCE)**



NORTHEAST ELEVATION





METRO-LUXE RESIDENCE

TOKYO, JAPAN



METRO-RESIDENCE ENTRANCE



METRO-LUXE RESIDENCE

TOKYO, JAPAN



ENTRANCE AND WHOLE COMPLEX

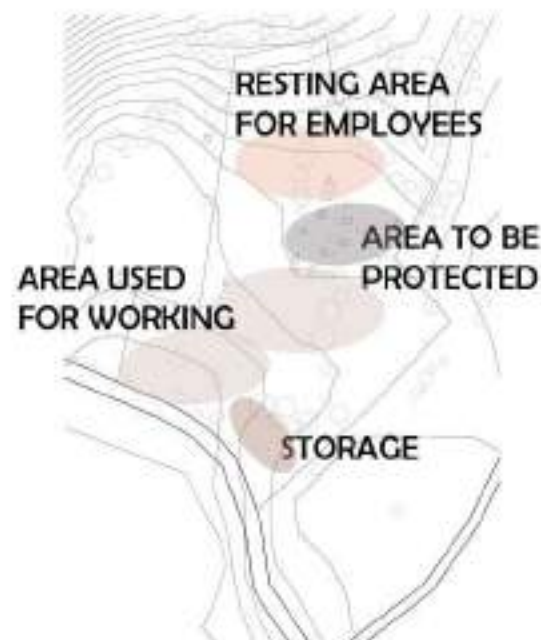


REVEAL THE UNSEEN!
ERYTHRAI EXCAVATION HOUSE



REVEAL THE UNSEEN! ERYTHRAI EXCAVATION HOUSE

ILDIRI, IZMIR



There is a multi-layered history from past to present at the excavation site in Ildiri. It is planned to build an excavation house on the site so that academics can extract historical artifacts from the soil and work easily.

We cannot lay a concrete foundation on the ground, so the material used was determined as steel and wood.

While the part where the employees sleep is in the quiet part away from the road, there is a storage near the road so that the trucks can dock.

The purpose of making a ramp is for the guests to see the excavated areas from above without damaging them. Thanks to the restaurant built near the entrance, we can draw the attention of people who come to eat to the excavation site.



ROAD MAP S:1/5000



Vehicle Circulation

Pedestrian Circulation

SOLID VOID ANALYSIS S:1/500



SITE SECTION S: 1/20.000

Solid

Void



SITE ANALYSIS



Solid-Void Analysis Scale:1/1000



Wind Direction and Sun Path Analysis Scale:1/1000



Location of Ildir/Erythrai



Land-Use Analysis Scale:1/1000

- Restaurant/Cafe
- Market/Shop
- Store
- Official Institutions
- Hotel/Hostel
- Mosque
- Housing
- Boat Tours
- Marine
- Historical Places
- Trenches
- Excavation House Project



Topography Analysis Scale:1/1000



Main Roads Analysis Scale:1/1000

Primary Roads

Secondary Roads

The houses on the streets of Ildir are similar to each other and the sea is usually visible during walks.



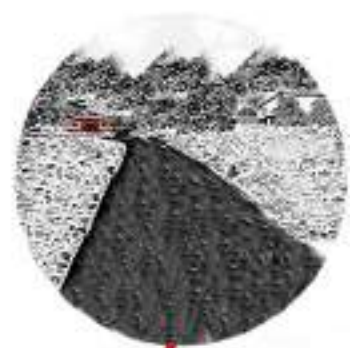
Ildir houses have a traditional texture and contain the stones from the Athena Temple.

The excavation house area is wide and full of greenery.

It is open and located near the mountain.

The area is close to the sea.

The hill behind the area contains many historical assets.

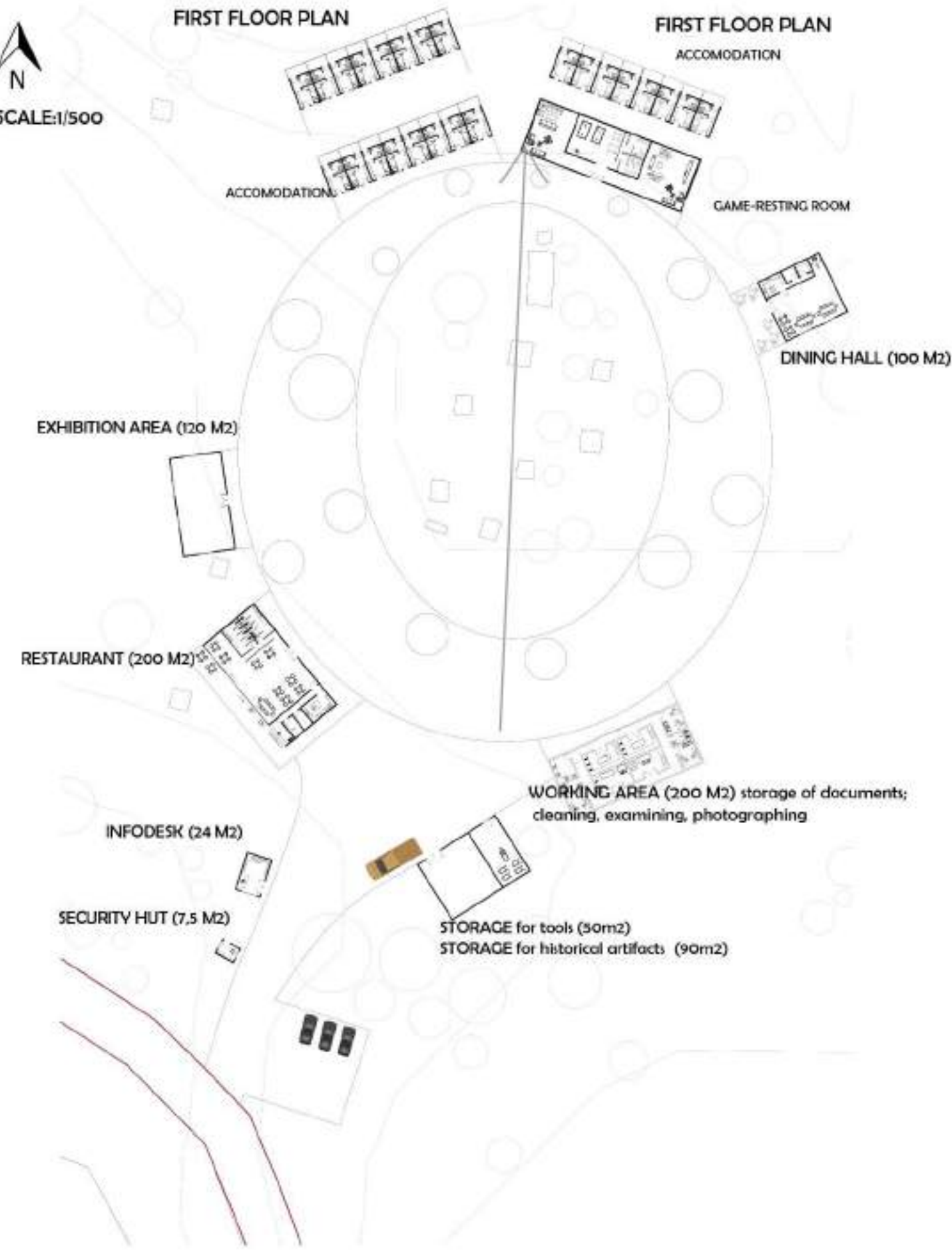




REVEAL THE UNSEEN! ERYTHRAI EXCAVATION HOUSE

FLOOR PLAN

CIRCULATION PATH





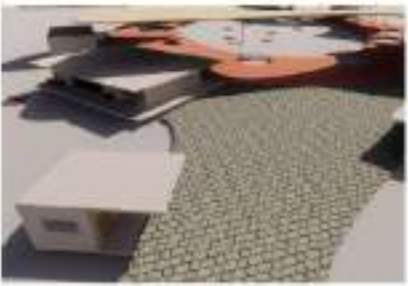
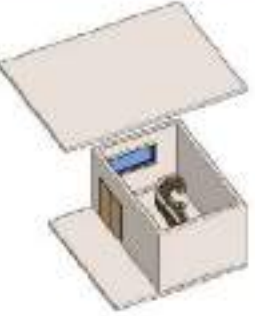
REVEAL THE UNSEEN! ERYTHRAI EXCAVATION HOUSE

PROGRAM

RENDERS



SECURITY HUT (7,5 M2)



INFODESK (24 M2)



RESTAURANT (200 M2)



EXHIBITION AREA (120 M2)



STORAGE for tools (50m2)



WORKING AREA (200 M2) storage of documents;
storage for historical artifacts (90m2) cleaning, examining, photographing historical artifacts



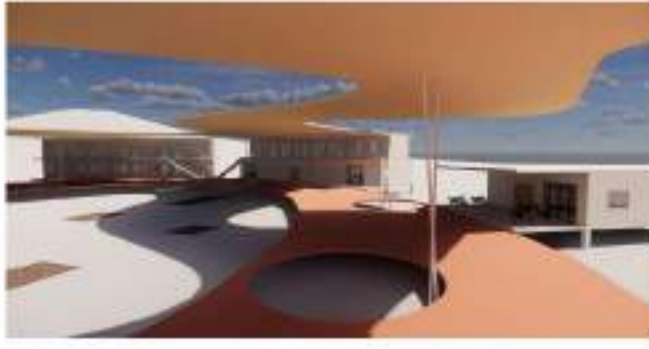
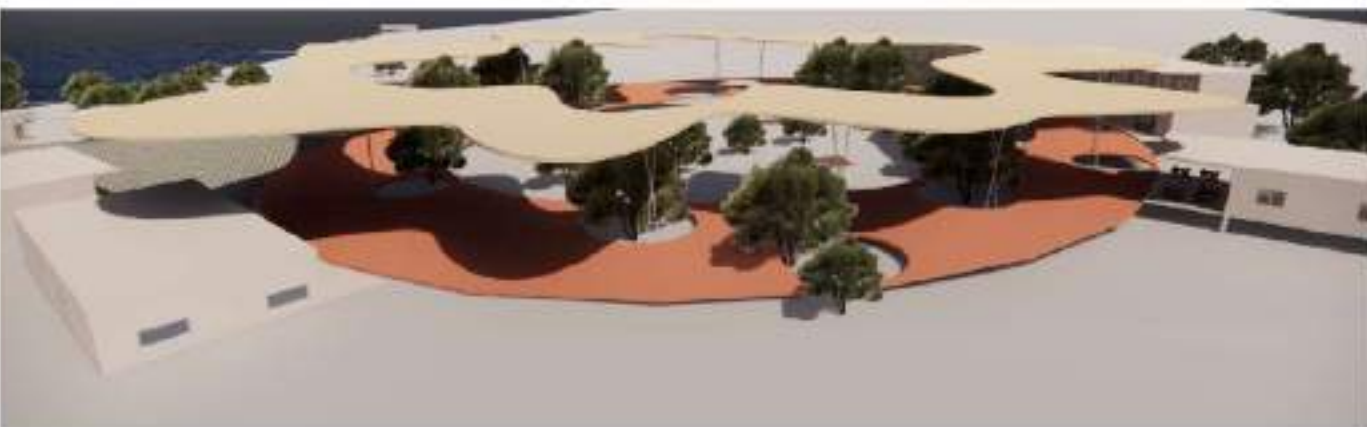
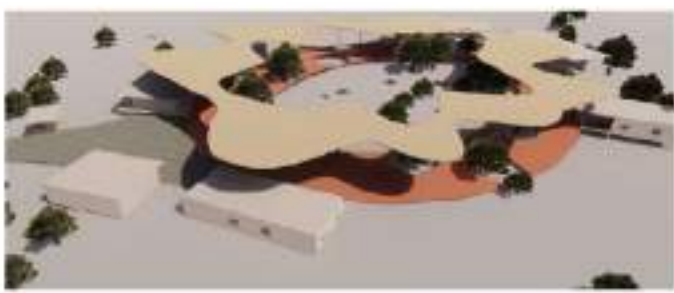
DINING HALL (100 M2)



ACCOMODATION AREA (125 *2 M2)
SINGLE ROOMS, TWO FLOOR



ACCOMODATION AREA (125 M2) THE GROUND
FLOOR IS THE GAME AND RESTING ROOM.





REVEAL THE UNSEEN! ERYTHRAI EXCAVATION HOUSE

SECTIONS AND SITUATION PLAN



SECTION A-A

Scale : 1/500



SECTION B-B

Scale : 1/500



Site Plan
Scale : 1/1000

ELEVATIONS



SOUTH ELEVATION S:1/500



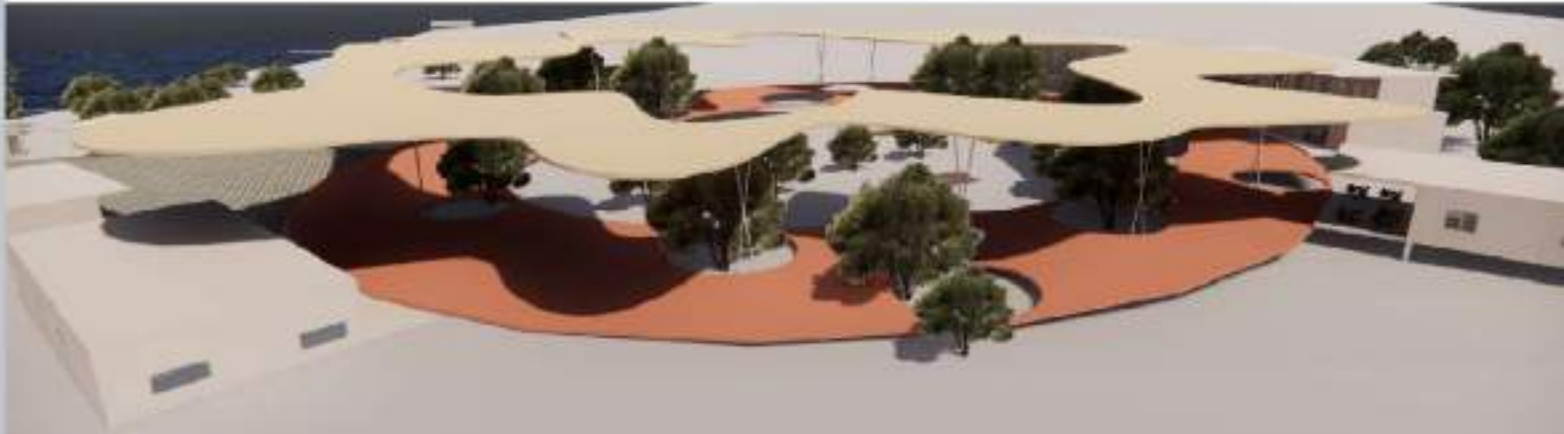
NORTH ELEVATION S:1/500



EAST ELEVATION S:1/500



WEST ELEVATION S: 1/500



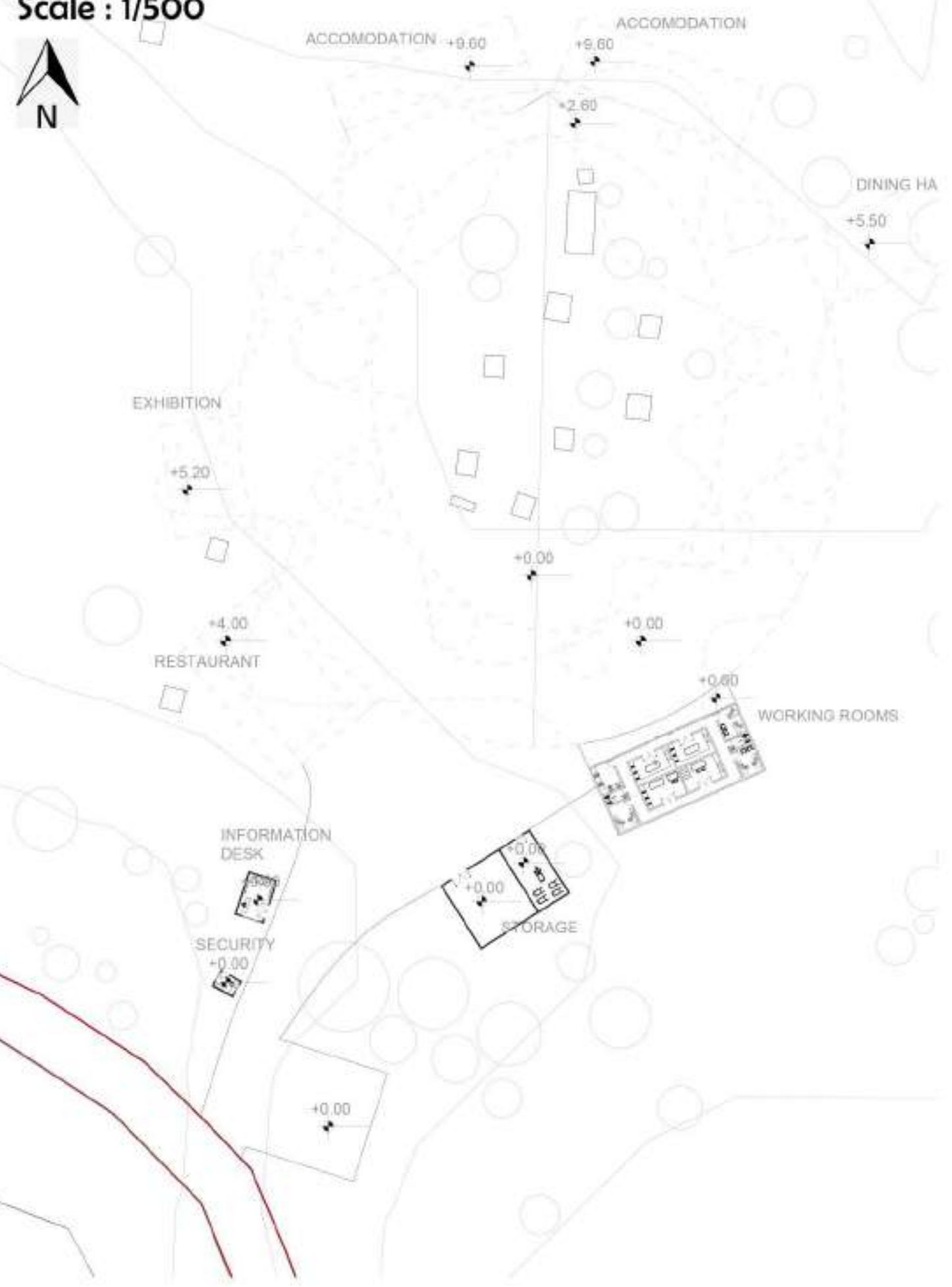


REVEAL THE UNSEEN! ERYTHRAI EXCAVATION HOUSE

LEVEL +0.00

LEVEL +0.50

Scale : 1/500



Scale : 1/500



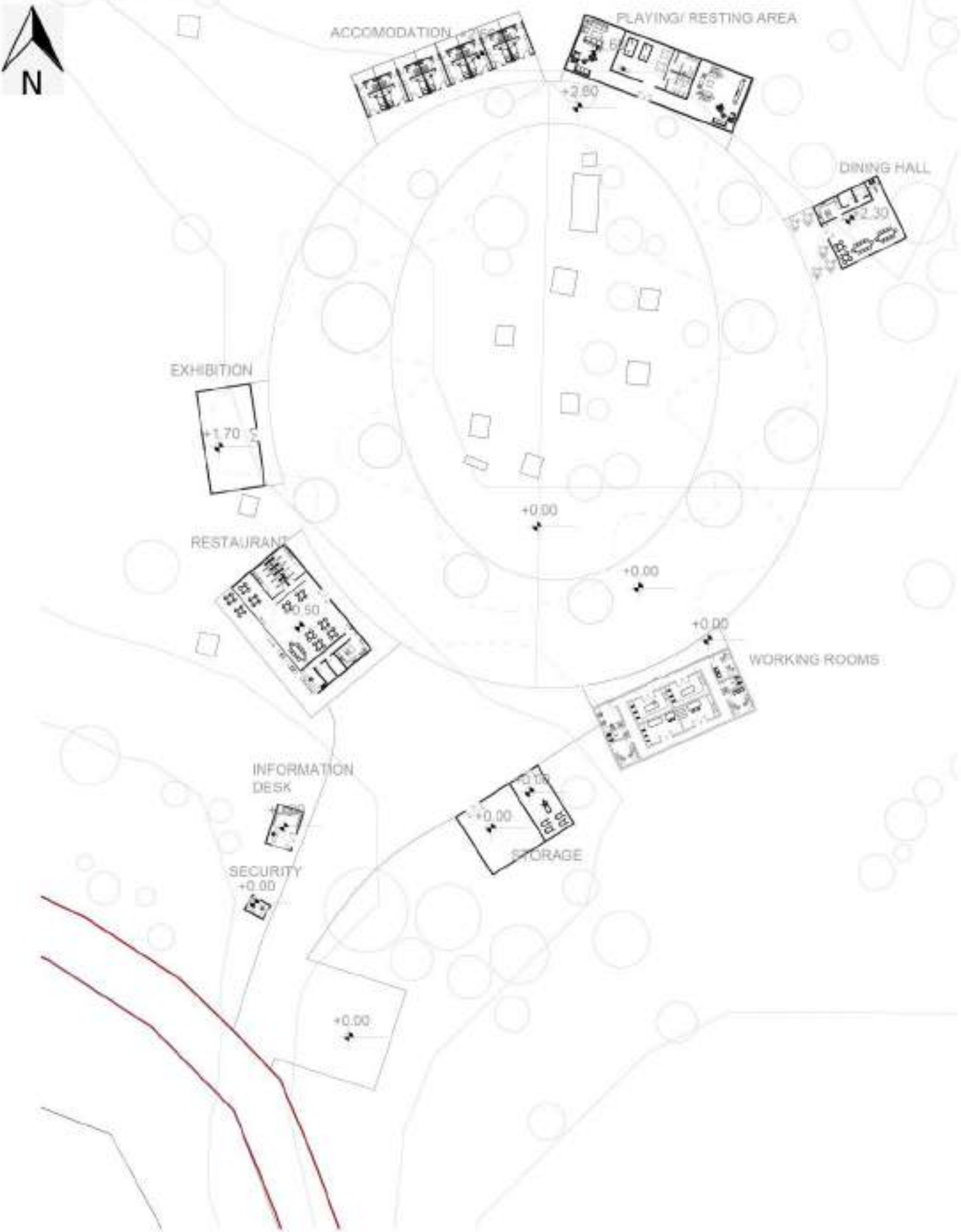


REVEAL THE UNSEEN! ERYTHRAI EXCAVATION HOUSE

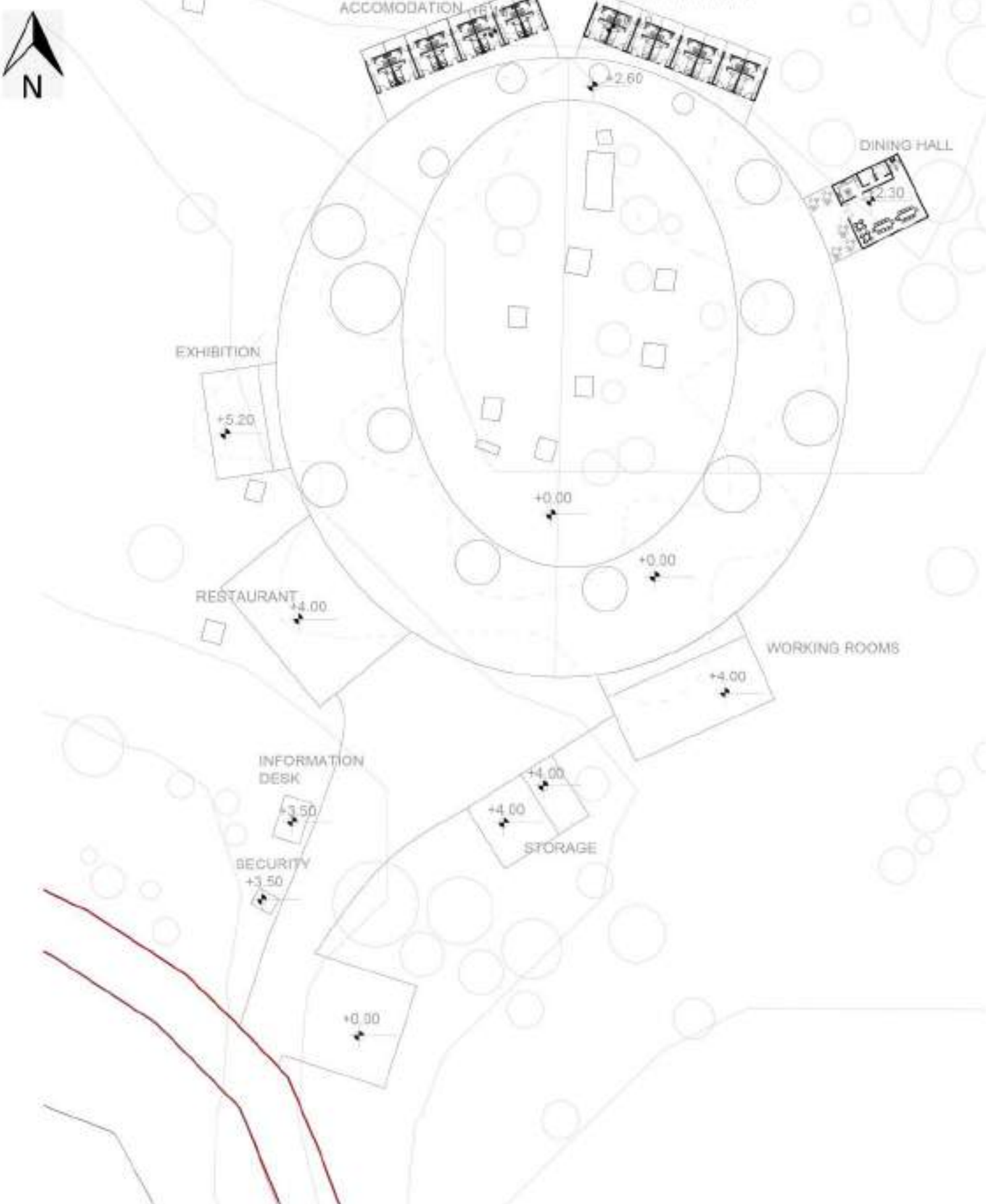
LEVEL +2.60

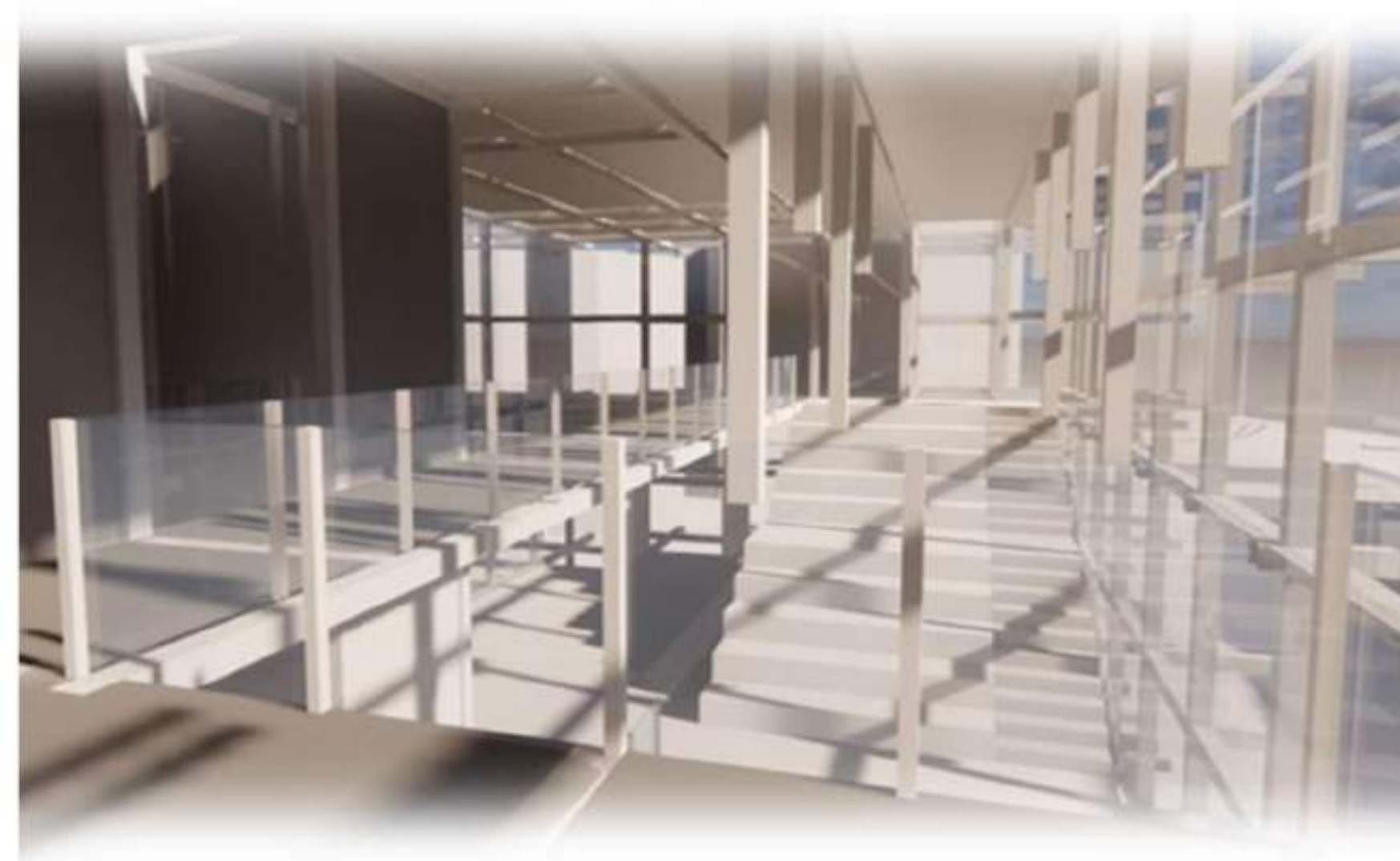
LEVEL +6.00

Scale : 1/500



Scale : 1/500





DATA WAREHOUSING

KEMALPAŞA, İZMİR



DATA WAREHOUSING

Kemalpaşa, İzmir

SOLID- VOID ANALYSIS



THE HEIGHT OF THE SURROUNDING BUILDINGS IS SHOWN AS ON THE MAP.



BUILDING HEIGHTS



IN THE SOLID VOID ANALYSIS, THE CLOSENESS OF THE C REGION TO PEOPLE AND BUILDINGS IS STRIKING. IT ATTRACTS THE ATTENTION OF PASSERS-BY, AS IT IS AN EMPTY, SMALL CORNER PARCEL.



SUN PATH



WINTER
SUNRISE 07:55
SUNSET 17:56

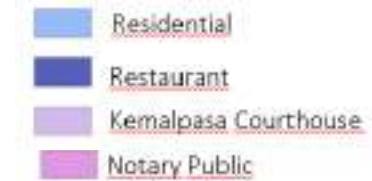
SUMMER
SUNRISE 06:01
SUNSET 20:32

SOLAR ANALYSIS GIVES IMPORTANT INFORMATION ABOUT WHERE THE BUILDING WILL RECEIVE SUN.

LAND USE



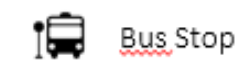
IN THE LAND USE ANALYSIS, PRIMARY SCHOOL, A SECONDARY SCHOOL, POLICE STATION, COURTHOUSE AND OTHER IMPORTANT POINTS WERE SPECIFIED.



PUBLIC TRANSPORTATION, ROAD ANALYSIS



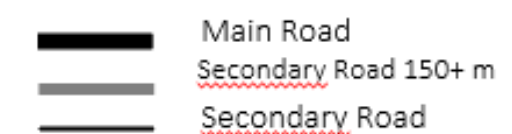
ON THE MAIN ROAD, THERE ARE 3 BUS STOPS CLOSE TO THE AREA.



ROAD MAP



MAIN ROAD AND SECONDARY ROADS ARE SHOWN TO ESTIMATE TRAFFIC.

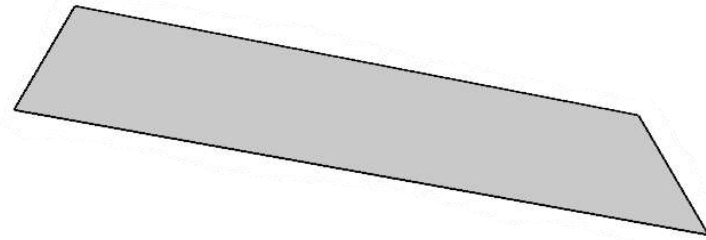




DATA WAREHOUSING

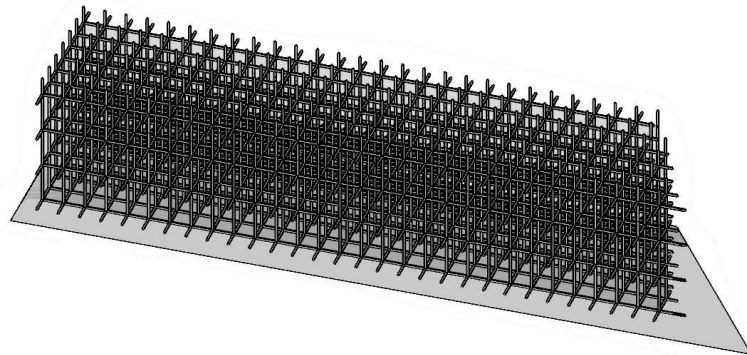
Kemalpaşa, İzmir

DESIGN IDEA



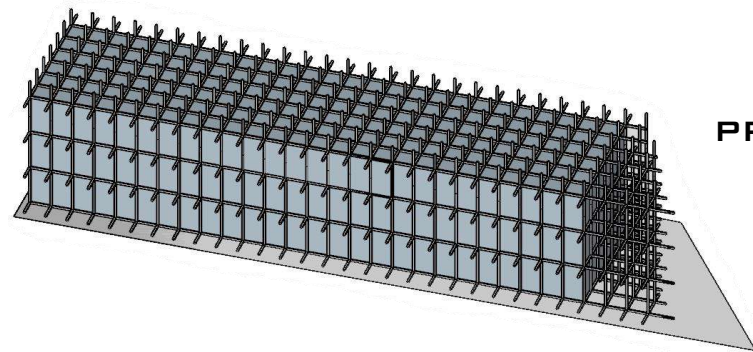
SITE

ON THE CORNER PLOT. IN
KEMALPAŞA, İZMİR.



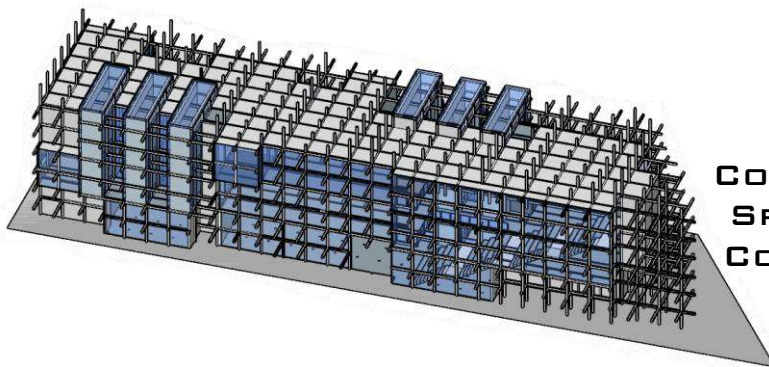
GRID

GRIDS (15x15cm) RISE
ACCORDING TO THE SHAPE OF
THE LAND. STRUCTURAL ELEMENT
THAT HELPS THE BUILDING TO
STAND. IT PROVIDES DATA
TRANSFER BETWEEN ROOMS
THANKS TO TECHNOLOGICAL
MICROCHIPS AND CLOUD
COMPUTING.



PROBABLE
CUBIC

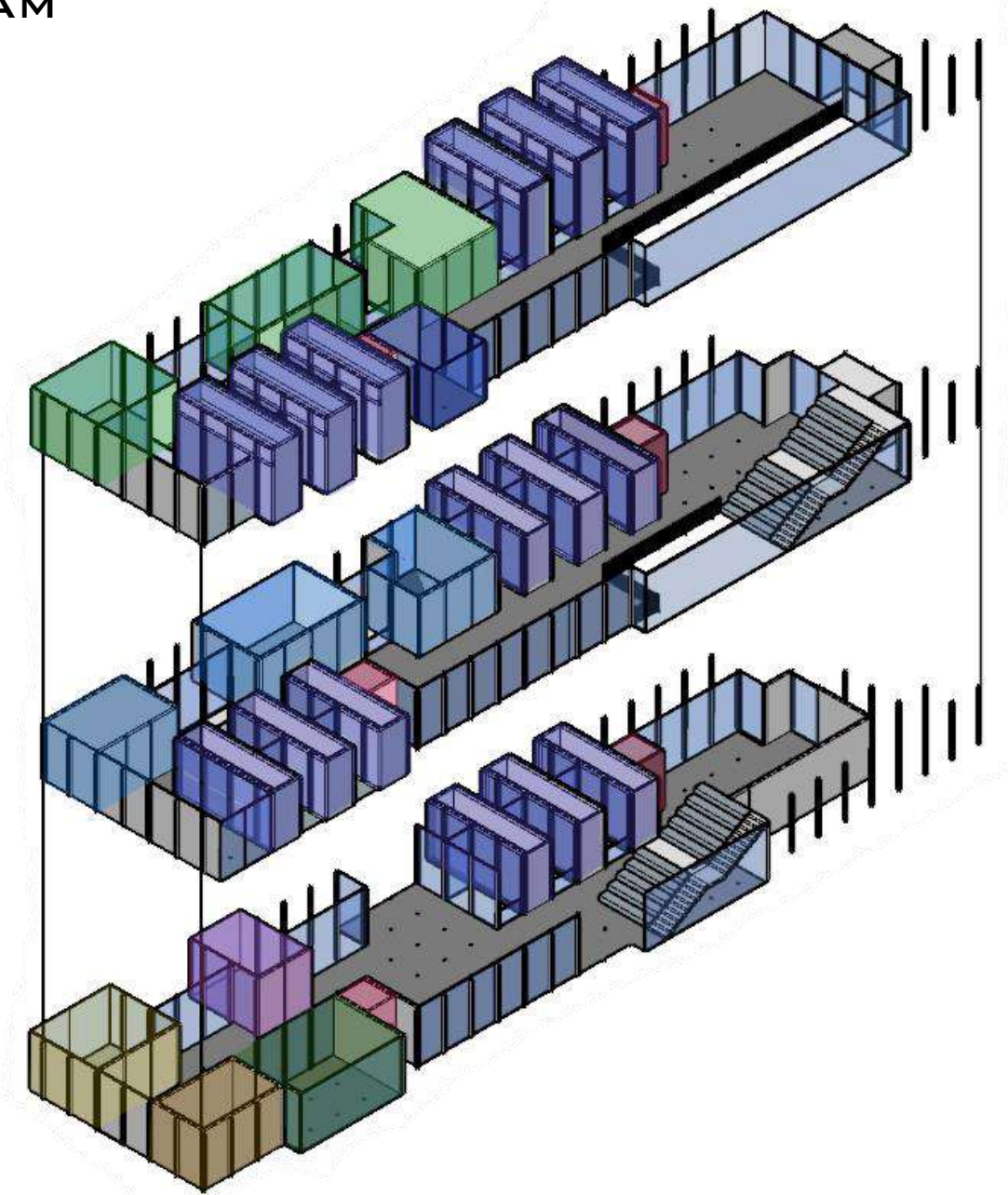
CREATING HYBRID SPACES
THAT ARE OUTSIDE AND
INSIDE AT THE SAME TIME. TO
ELIMINATE SHARP
BOUNDARIES BY MAKING THE
GRIDS ON THE ROOF AND
FACADES IN DIFFERENT
SIZES.



CONNECTING
SPACES TO
COMMUNITY

BY USING GLASS CURTAIN WALL
AND CONCRETE WALL, IT HELPS
TO CREATE HALF OPEN SPACES.
ALSO IT OFFERS PEOPLE THE
OPPORTUNITY TO SEE INSIDE
FROM STREET.

PROGRAM



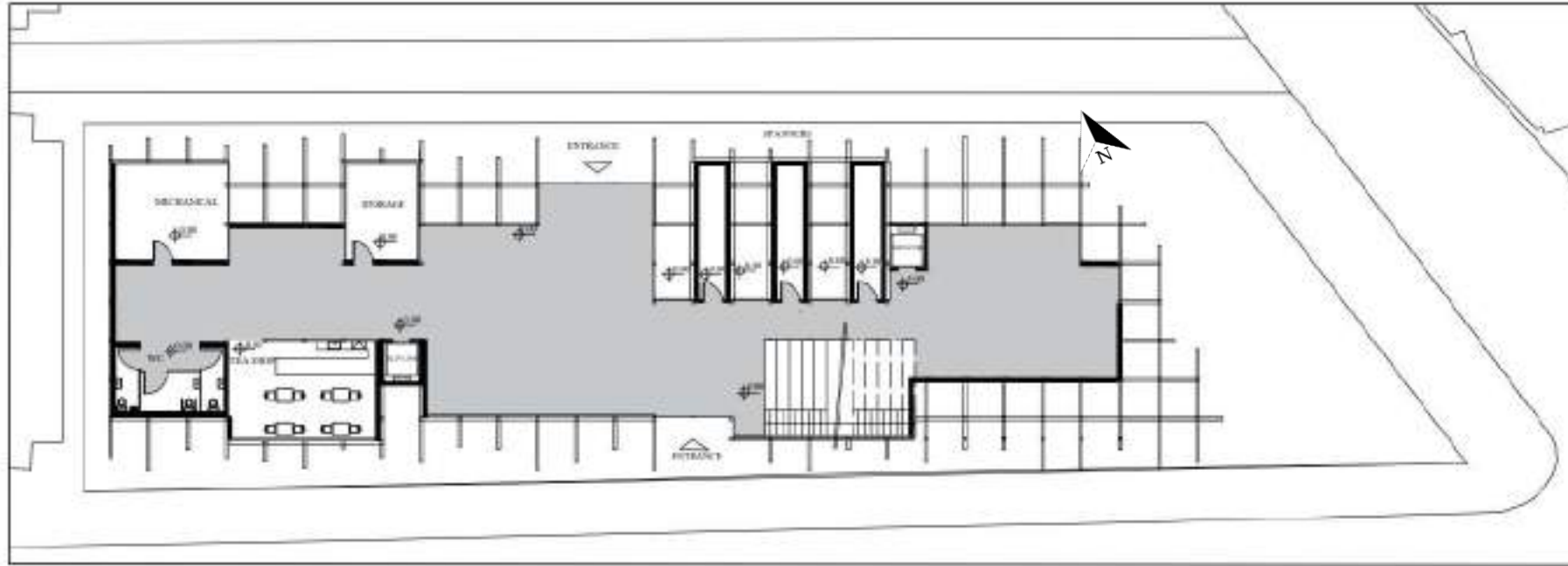
- VIRTUAL REALITY (100 M2):** A SPACE WHERE VISITORS CAN HAVE A VISUAL EXPERIENCE THANKS TO ARTIFICIAL INTELLIGENCE.
- SPANNER (200 M2):** THE AREA WHERE THE DATA IS STORED.
- ELEVATOR**
- MANAGEMENT (20 M2)**
- OPEN DATA (96 M2) :** OPEN DATA IS DATA THAT ANYONE CAN ACCESS, USE AND SHARE. THESE AREAS ARE ALSO THE PART WHERE ENVIRONMENTAL PROBLEMS ARE SHARED WITH THE PUBLIC.
- STORAGE (24 M2)**
- TEA SHOP (46 M2)**
- MECHANICAL (32 M2)**
- WC (24 M2)**



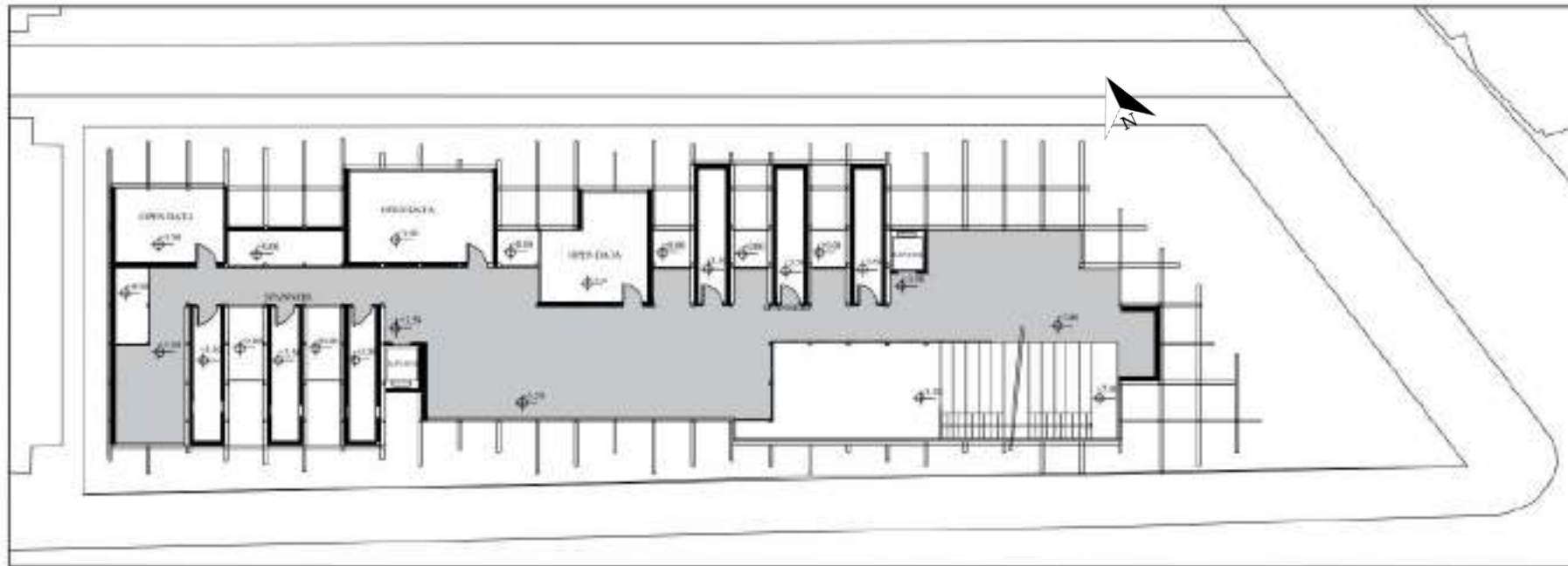
DATA WAREHOUSING

Kemalpaşa, İzmir

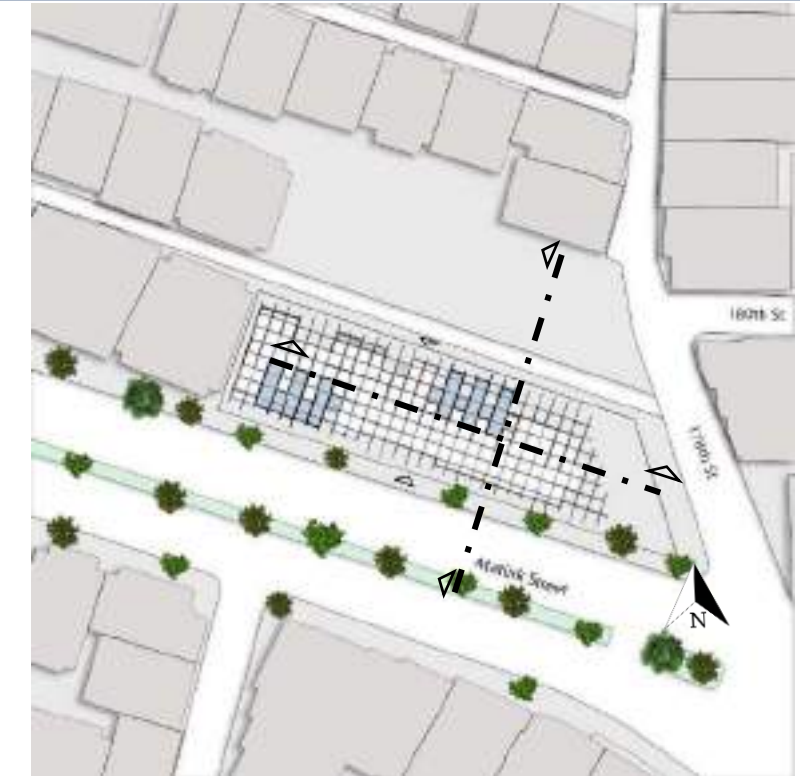
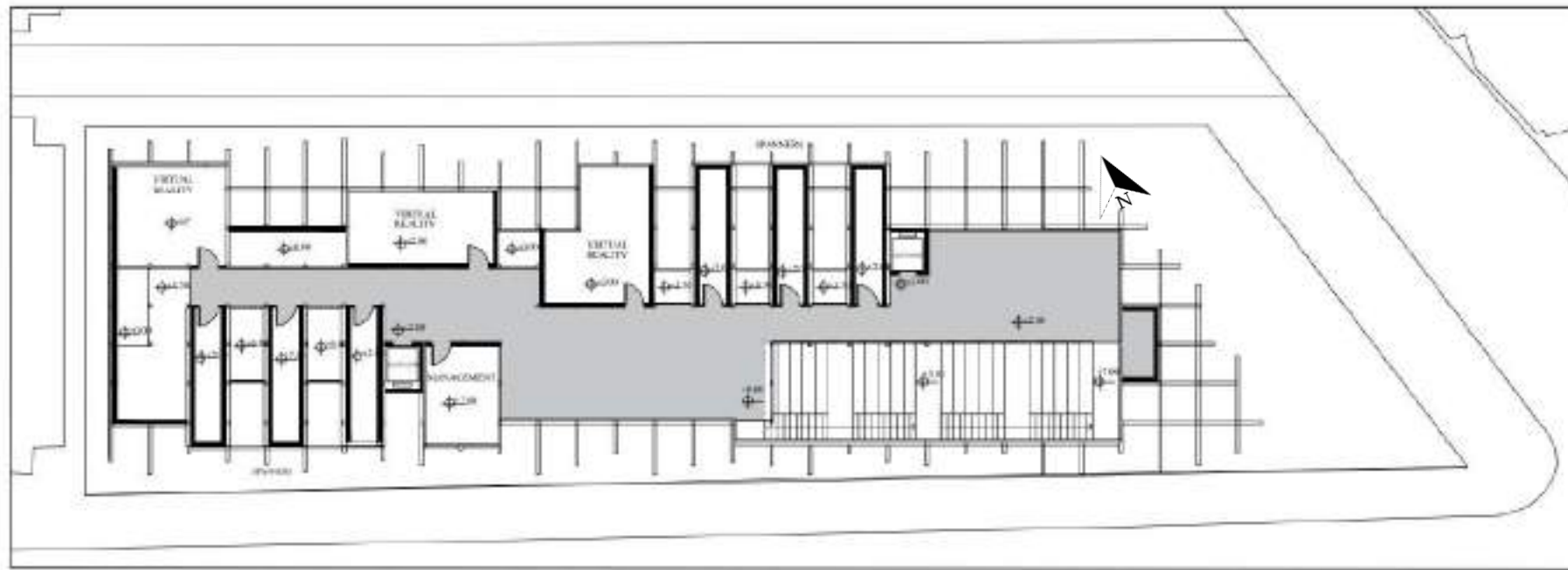
GROUND PLAN S:1/200



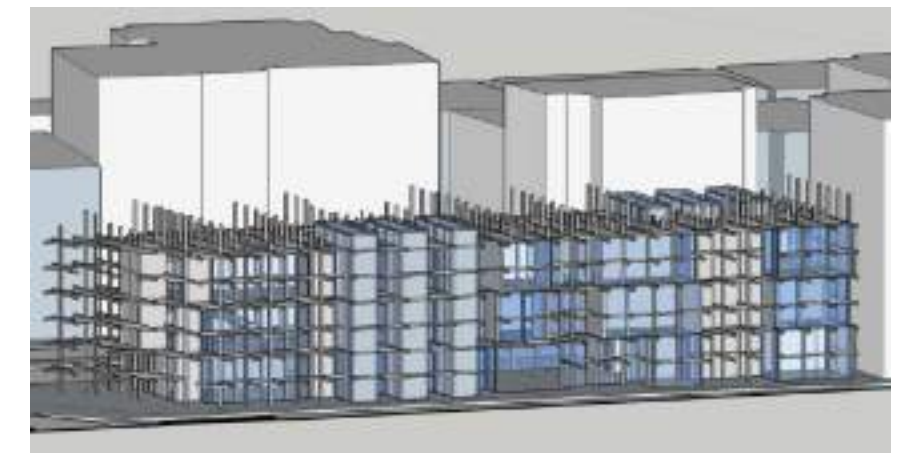
FIRST FLOOR PLAN +3.50 S: 1/200



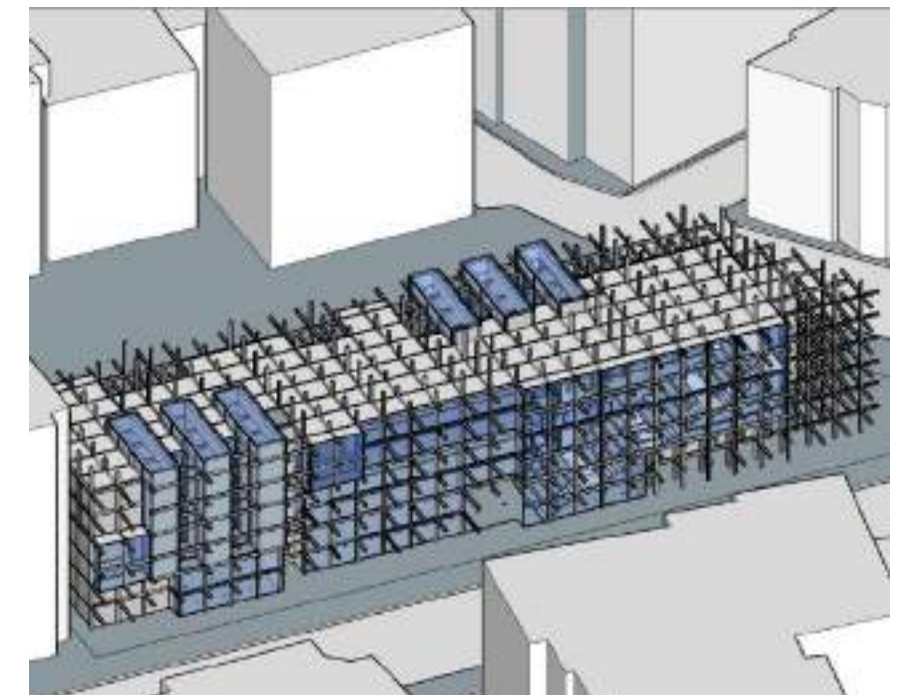
SECOND FLOOR +7.00 PLAN S:1/200



SITE PLAN
SCALE:1/1000



BACK FACADE



FRONT FACADE



DATA WAREHOUSING

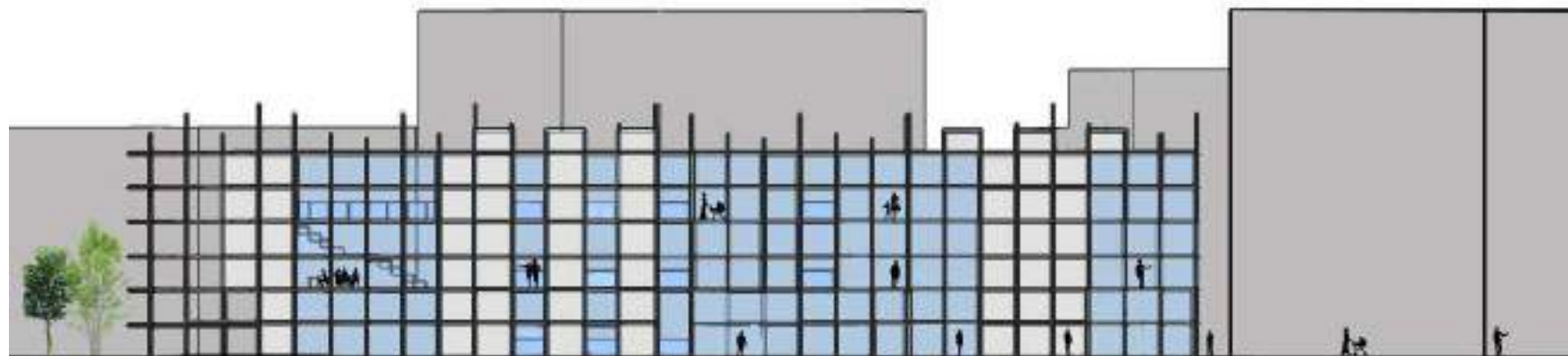
Kemalpaşa, İzmir



SECTION A-A S:1/500



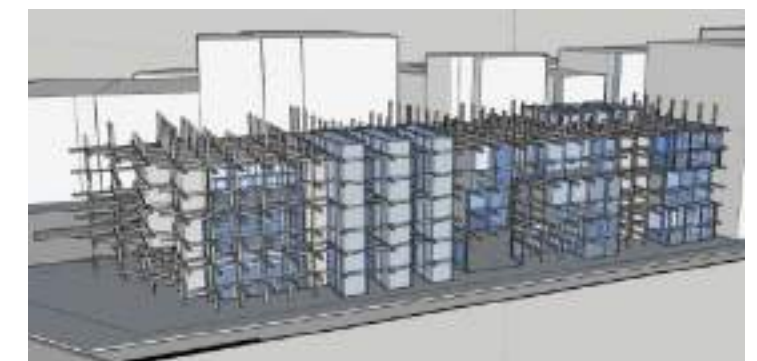
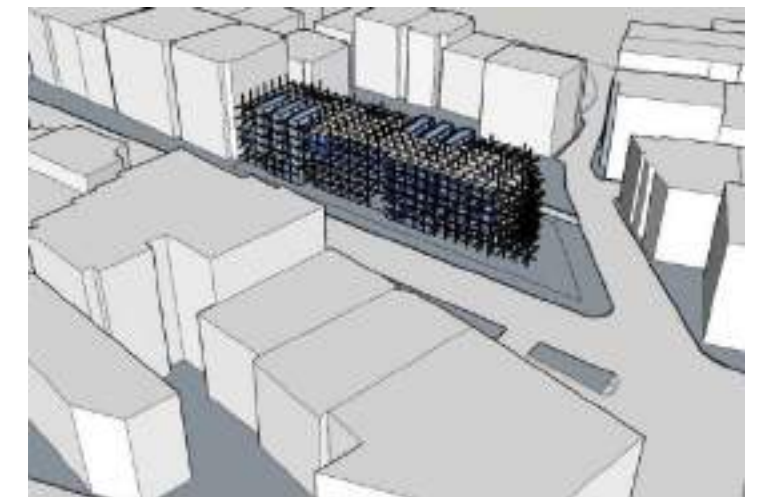
SECTION B-B S:1/500



BACK ELEVATION S:1/500



FRONT ELEVATION S:1/500



BACK FACADE

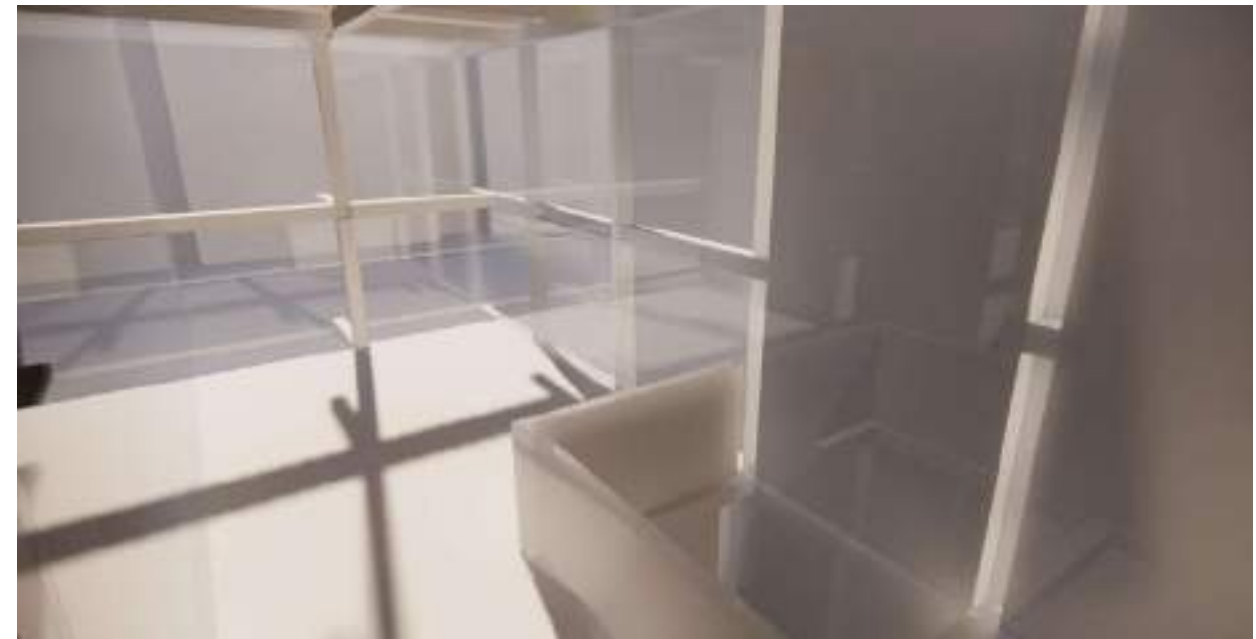


DATA WAREHOUSING

Kemalpaşa, İzmir



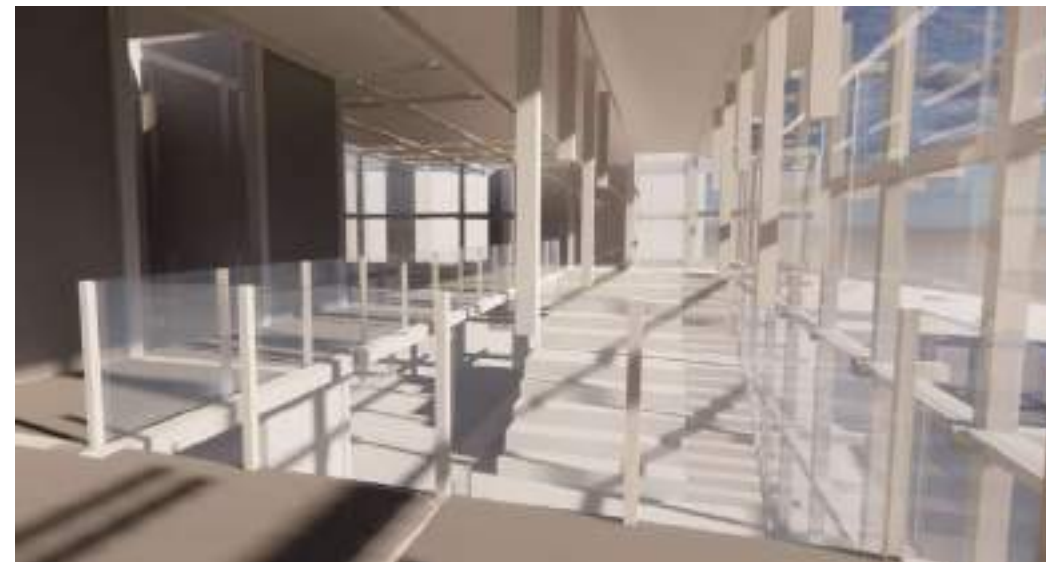
STAIRS



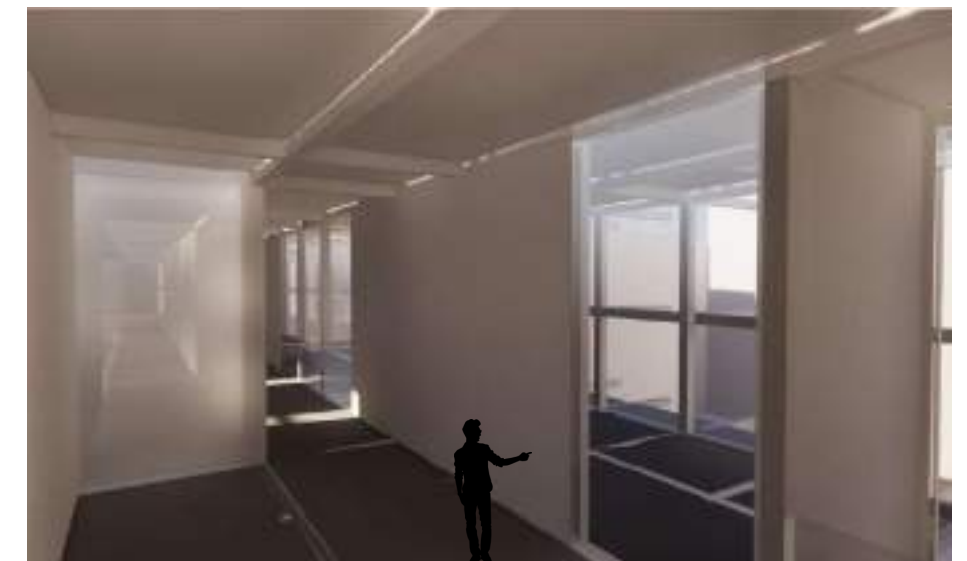
SMALL GALLERY SPACE, 1. FLOOR



SPANNERS AND OPENINGS



STAIRS



1. FLOOR



ENTRANCE



THIS IS WHAT SPANNERS LOOK LIKE



SMALL GALLERY SPACE,
COMBINED WITH THE OPENING
IN THE FLOOR OF THE 2ND
FLOOR



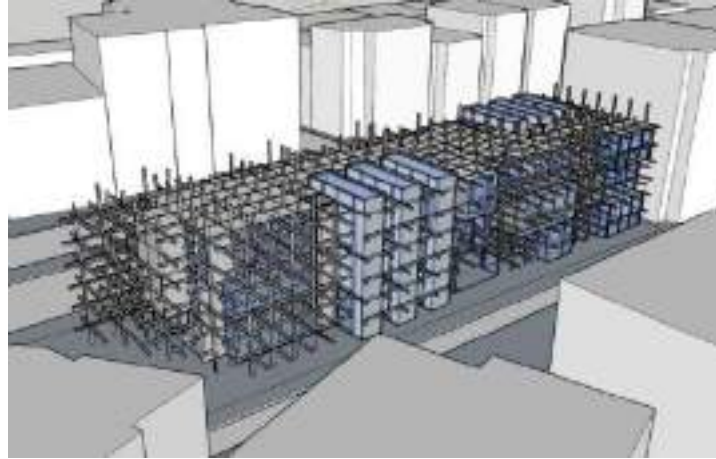
WHERE DATA IS STORED,
SPANNERS



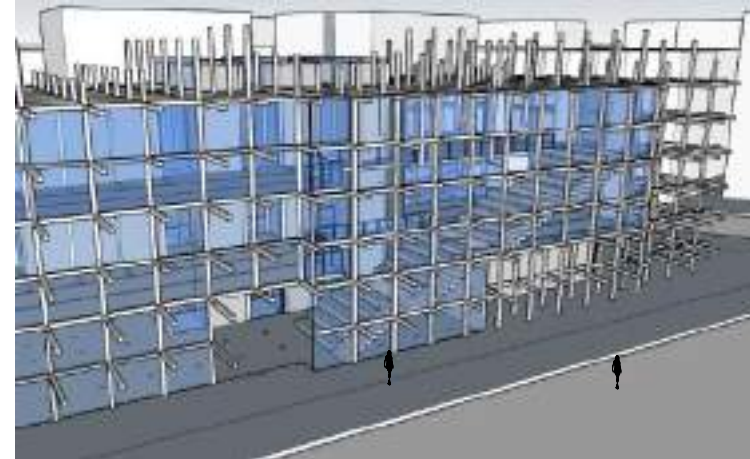
DATA WAREHOUSING

Kemalpaşa, İzmir

RENDERS



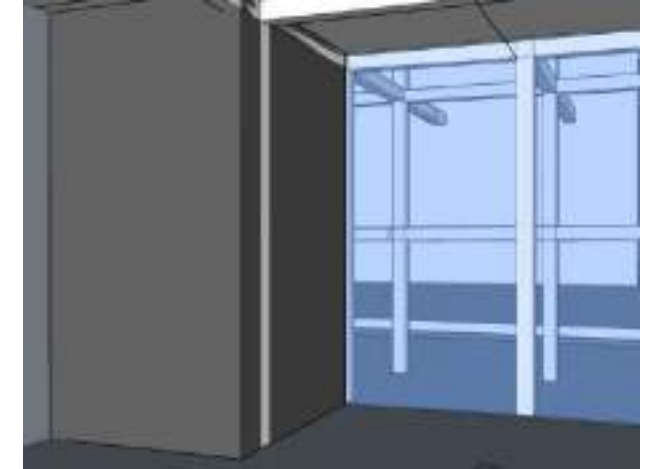
BACK FACADE



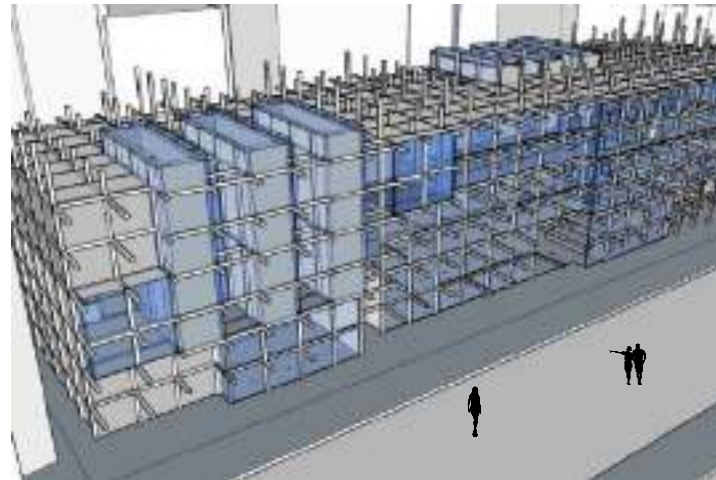
FRONT FACADE



GALLERY SPACE, 3. FLOOR



ELEVATOR



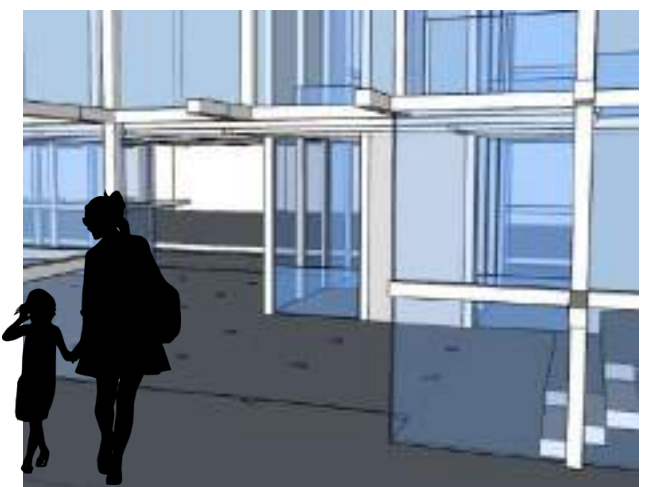
BLANK WALL, LEFT ELEVATION



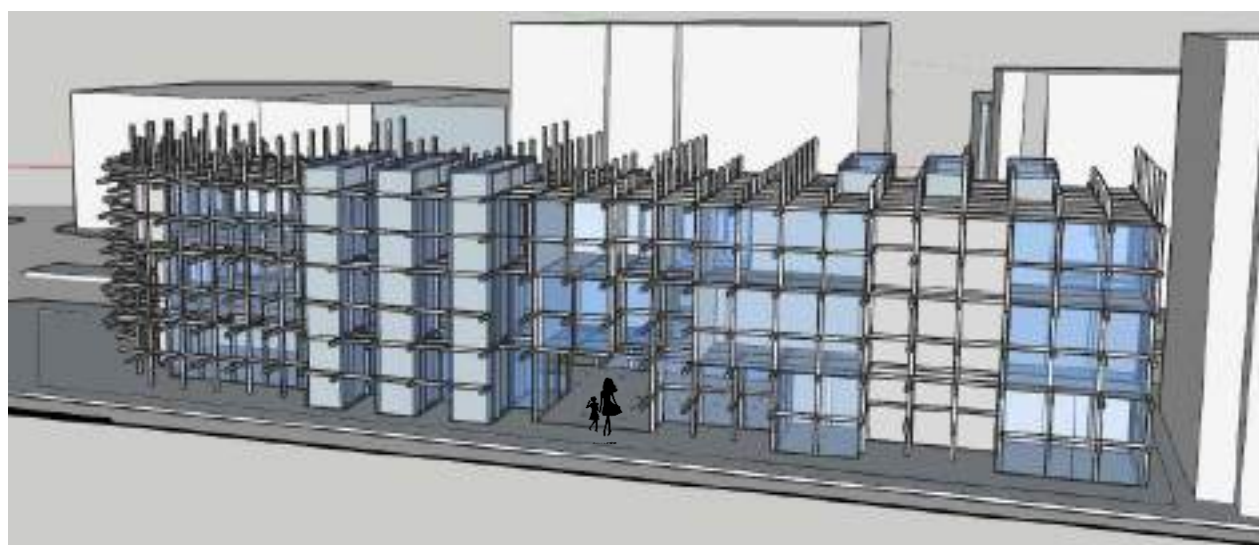
STAIRS



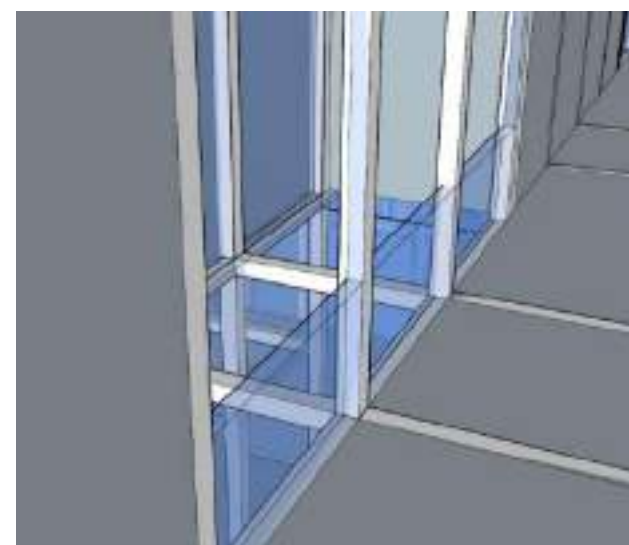
ENTRANCE



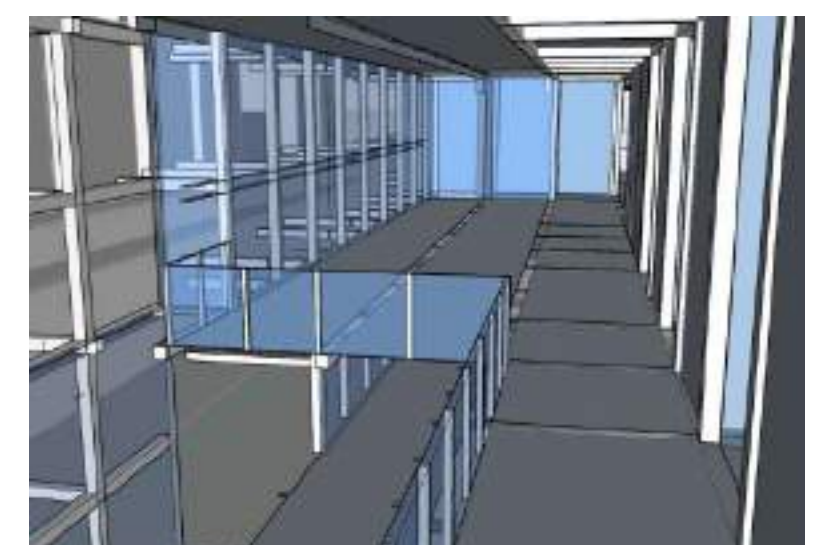
ENTRANCE



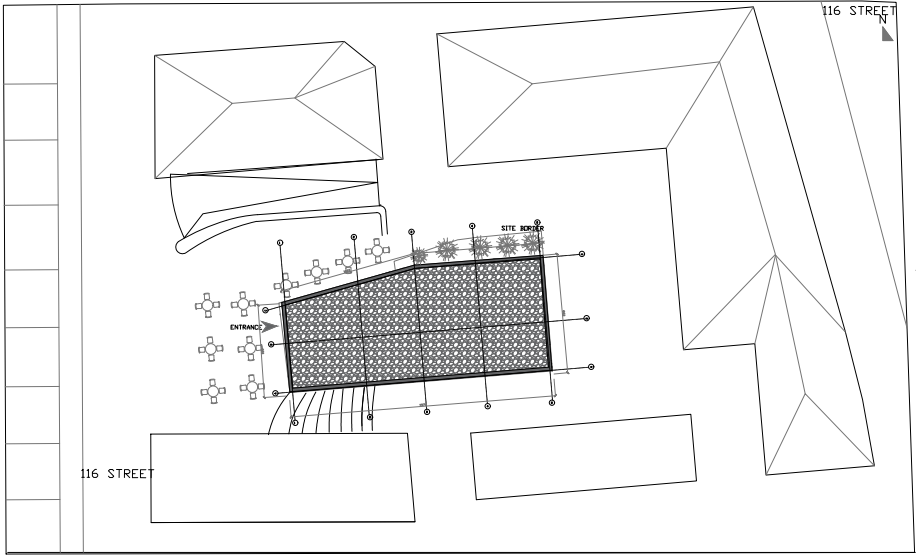
BACK ENTRANCE



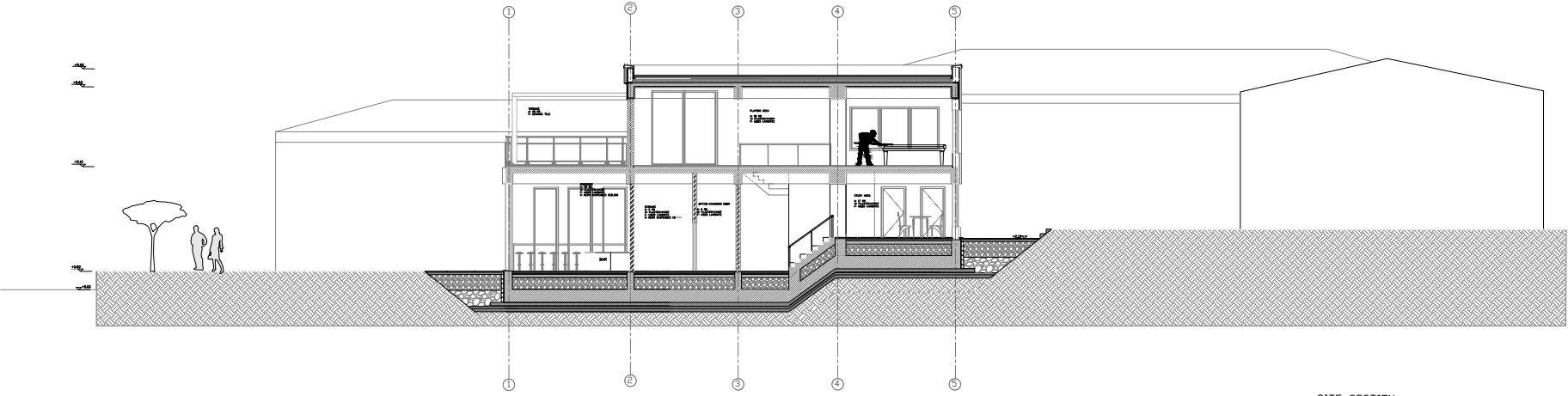
SMALL GALLERY SPACE



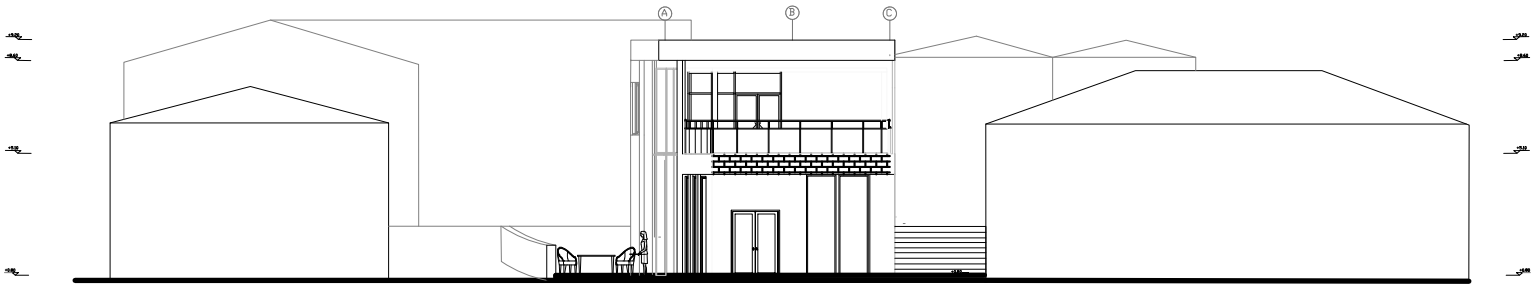
GALLERY SPACE



SITE PLAN
Scale:1/100



SITE SECTION
Scale:1/100

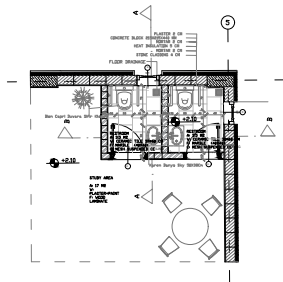


NORTHWEST SITE ELEVATION SCALE:1/100

LEGEND

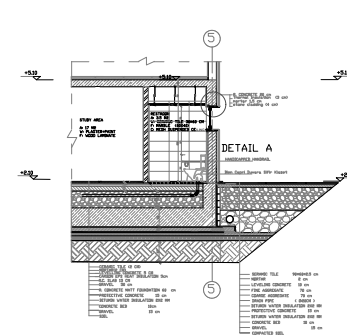
- REINFORCED CONCRETE
- GRAVEL
- SOIL
- BRICK WALL
- COMPACTED EARTH
- WATER INSULATION

- SUSPENDED LIGHTING
- AIR CONDITIONER
- FIRE DETECTOR



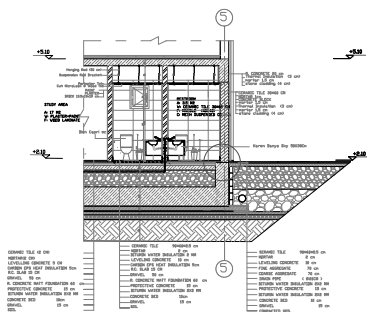
RESTROOM PLAN

Scale:1/20



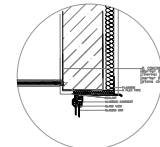
SECTION A-A

SCALE:1/20



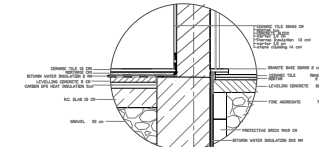
SECTION B-B

SCALE:1/20



DETAIL A

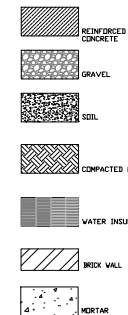
SCALE:1/5



DETAIL B

SCALE:1/5

LEGEND



IZMIR INSTITUTE OF TECHNOLOGY

FACULTY OF ARCHITECTURE

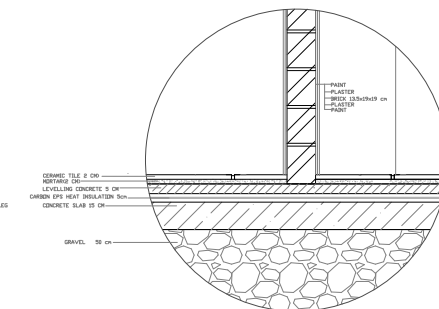
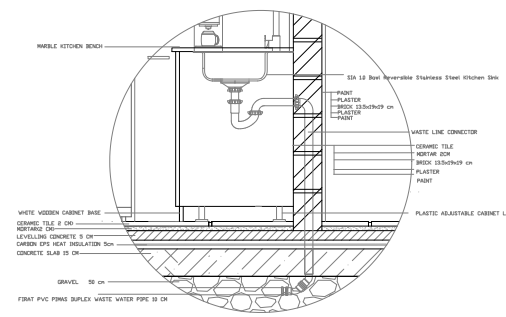
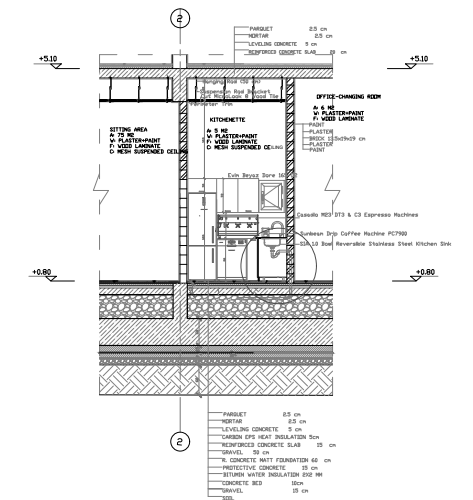
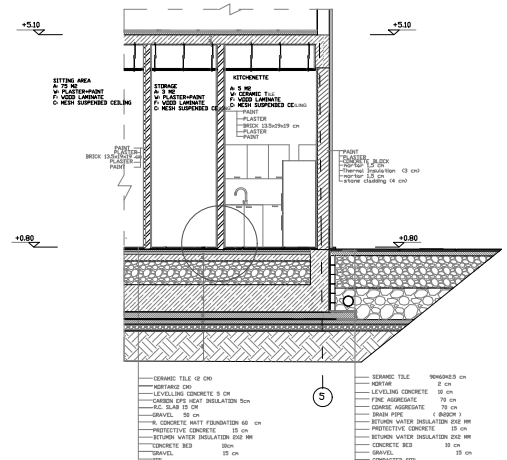
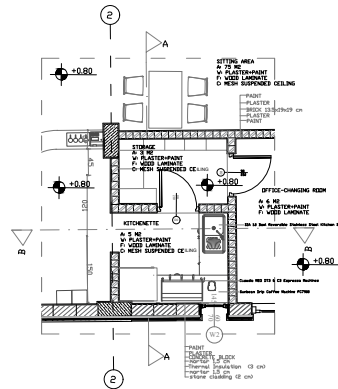
AR-352 Building Technology and Science

CAFE PROJECT

YASEMİN NURDAN ÇAPAN-FERİDE EGE

FINAL SUBMISSION

KEZİBAN ÇELİK - ÖZGE DENİZ TOKÖZ



LEGEND

- REINFORCED CONCRETE
- GRAVEL
- SOIL
- COMPACTED EARTH
- WATER INSULATION
- BRICK WALL
- MORTAR
- CONCRETE

İZMİR INSTITUTE OF TECHNOLOGY

FACULTY OF ARCHITECTURE 2022-2023 SPRING SEMESTER

AR-352 Building Technology and Science

CAFE PROJECT

YASEMİN NURDAN ÇAPAN-FERIDE EGE

FINAL SUBMISSION

KEZİBAN ÇELİK - ÖZGE DENİZ TOKÖZ