

PORTFOLIO

ARCHITECTURE DESIGN

SELECTED WORKS 2021 – 2025

BY PARISA SAFFAR



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PERSONAL STATEMENT

MY INTEREST IN ARCHITECTURE IS SHAPED BY A FOCUS ON SUSTAINABILITY, URBAN DYNAMICS, AND THE ECOLOGICAL SYSTEMS THAT INFLUENCE SPATIAL QUALITY. THROUGH MY STUDIES AT SHARIATY TECHNICAL AND VOCATIONAL UNIVERSITY—WHERE I AM RANKED AMONG THE TOP STUDENTS WITH A GPA OF 18.94/20—I HAVE DEVELOPED A DESIGN APPROACH THAT COMBINES ENVIRONMENTAL ANALYSIS WITH CLEAR ARCHITECTURAL INTENT.

MY WORK IS PARTICULARLY INFORMED BY CLIMATE-RESPONSIVE STRATEGIES AND THE USE OF SIMULATION TOOLS LIKE LADYBUG AND HONEYBEE. PROFESSIONAL EXPERIENCE AT NIA STUDIO AND CHARIOT DESIGN STUDIO FURTHER STRENGTHENED MY ABILITY TO CONNECT CONCEPT, TECHNICAL DEVELOPMENT, AND ENVIRONMENTAL PERFORMANCE. I AM ESPECIALLY DRAWN TO WORK THAT LINKS ARCHITECTURE WITH LANDSCAPE AND RESILIENT URBAN SYSTEMS.

SKILLS BAR :

01 | BIM & MODELING

REVIT • RHINO • GRASSHOPPER • AUTOCAD

02 | VISUALIZATION

V-RAY • LUMION • 3DS MAX • ADOBE PHOTOSHOP

03 | PERFORMANCE & ANALYSIS

LADYBUG • HONEYBEE • CLIMATE CONSULTANT

LANGUAGES:

01 | ENGLISH

ADVANCED – IELTS 7.0 OVERALL (LISTENING 7.5. READING 7.5
SPEAKING 7.0. WRITING 6.0

- [VIEW OFFICIAL TRF](#)

02 | GERMAN

INTERMEDIATE

03 | PERSIAN

NATIVE

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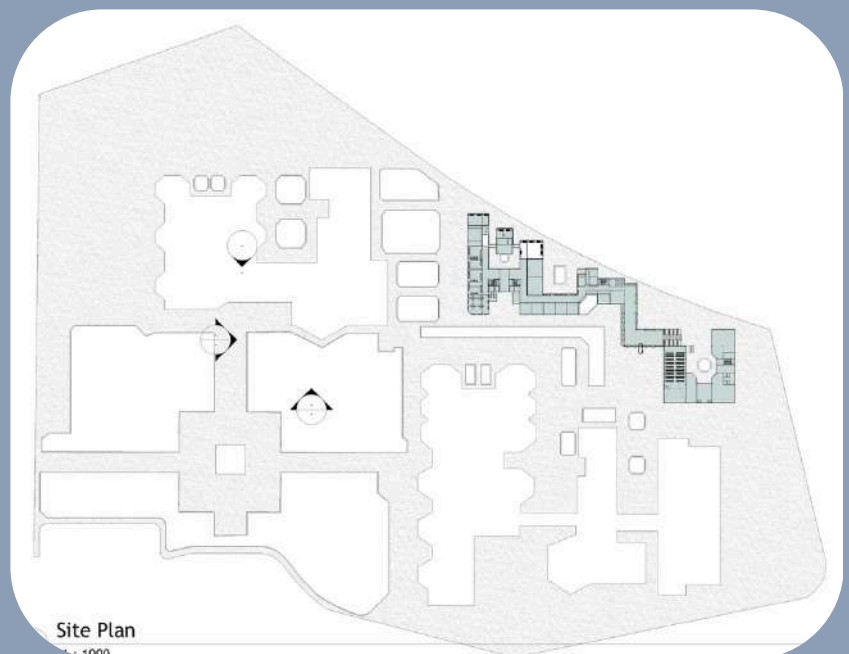
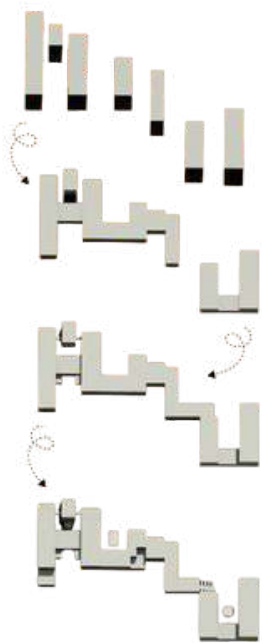
COLLEGE OF ART & ARCHITECTURE

EDUCATIONAL HUB & SOCIAL INTERACTION

CONCEPT: THE ARCHITECTURE OF INTERACTION

THE CORE CONCEPT OF THIS PROJECT IS THAT EDUCATION IS NOT A STRAIGHT LINE; IT IS A COMPLEX JOURNEY FULL OF TWISTS AND EXPERIENCES. THE BUILDING'S FORM REFLECTS THIS BY USING A WINDING LINEAR PLAN RATHER THAN A SIMPLE BLOCK. THIS CREATES A SENSE OF DISCOVERY AS STUDENTS MOVE THROUGH THE SPACE. THE DESIGN BRIDGES THE GAP BETWEEN PAST AND FUTURE BY BLENDING MODERN ARCHITECTURE WITH TRADITIONAL IRANIAN ELEMENTS. SPECIFICALLY, THE INCLUSION OF THREE CENTRAL COURTYARDS ACTS AS A NOD TO TRADITIONAL DESIGN WHILE SERVING A FUNCTIONAL ROLE IN NATURAL VENTILATION AND LIGHT.

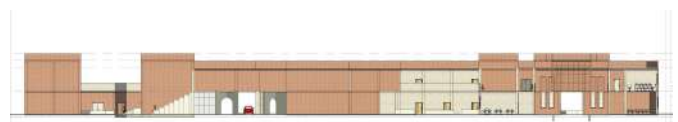
DIAGRAM



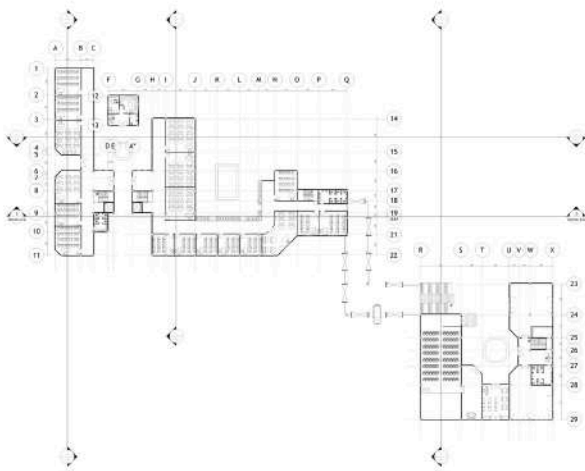
SITE PLAN



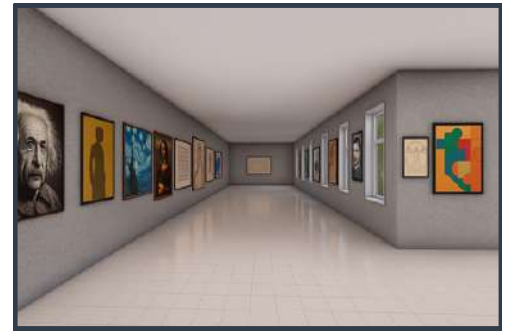
NORTH VIEW



SOUTH VIEW



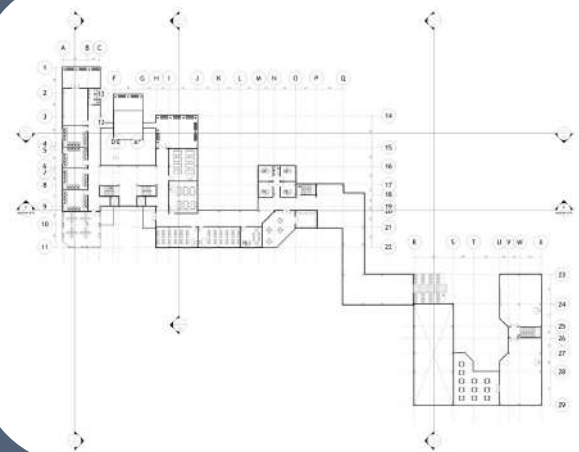
GROUND FLOOR



THE CORRIDOR THAT CONNECTS THE TWO BUILDINGS AND SEPARATES THE WORKSHOP SPACE FROM THE CLASSROOMS. THIS CORRIDOR IS USED TO DISPLAY CHILDREN'S PROJECTS.



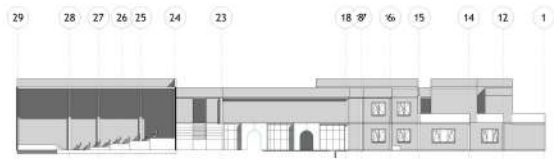
THE UNIVERSITY AMPHITHEATER HAS A LARGE SPACE FOR HOLDING VARIOUS SEMINARS. IT IS . LOCATED AWAY FROM THE CLASSROOMS TO AVOID DISTURBANCE



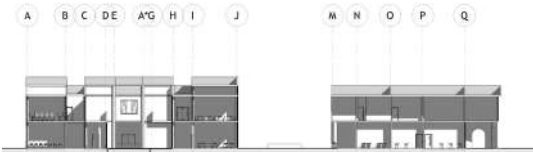
FIRST FLOOR



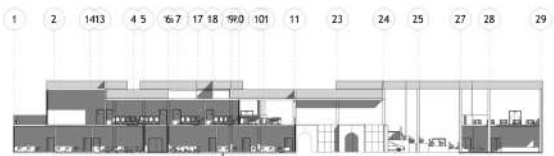
SECTIONS



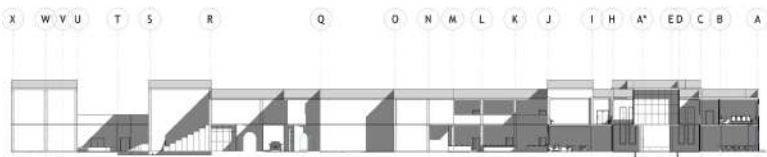
SECTION E-E



SECTION A-A



SECTION B-B





THE UNIVERSITY PLAN IS INSPIRED BY DOMINOES. THE BUILDING FORM SHOWS THAT THE LEARNING PROCESS IS NOT LINEAR AND DIRECT, BUT FULL OF TWISTS AND TURNS AND EXPERIENCES. THE CONNECTIVITY IS NOT JUST FOR COMMUTING, BUT ALSO A SPACE FOR PAUSE, OBSERVATION AND CREATION. OPEN AND SEMI-OPEN SPACES SUCH AS TERRACES, PLATFORMS, AND STAIRS HAVE BEEN USED FOR STUDENT INTERACTION. THE BUILDINGS ARE SEPARATE AND DISTINCT, YET THEY ARE INTERCONNECTED.

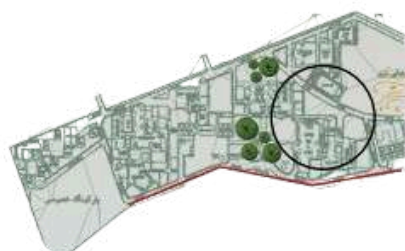
**VIEW FULL
PROJECT
SHEET**



EAST VIEW



WEST VIEW



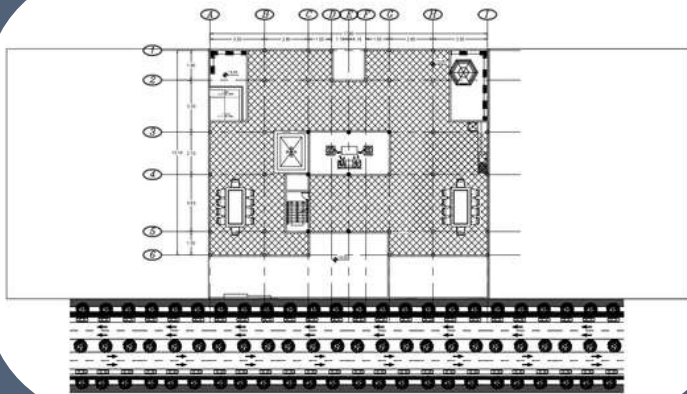
- EXTENSIVE GREEN SPACES IN THE NORTH AND CENTER OF THE SITE CONTRIBUTE TO SURVEILLANCE VENTILATION.
- INTERCONNECTED COURTYARDS WOULD FACILITATE THE LOST CORRIDOR.
- RECREATION WOULD BECOME AVAILABLE, WHICH ARE NOT USUALLY PROVIDED WITH STUDENT SPACES.
- THE VERTICALITY OF THE BUILDING IS A KEY TO THE DESIGN.

RESIDENTIAL PROJECT

BARVAY APARTMENT

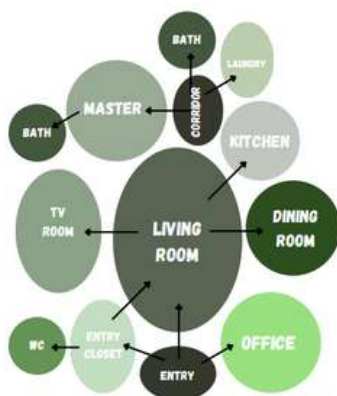
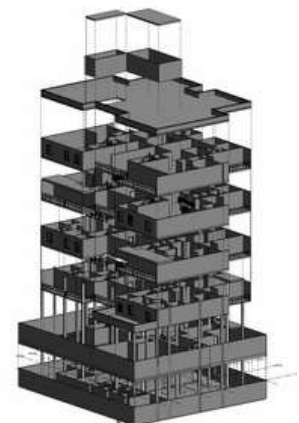
CONCEPT: BARVAY APARTMENT ADDRESSES THE CHALLENGE OF MAINTAINING PRIVACY WITHIN A DENSE URBAN CONTEXT. THE DESIGN CREATES A 'VERTICAL NEIGHBORHOOD' THAT ACCOMMODATES DIVERSE FAMILY STRUCTURES THROUGH A MIX OF 1, 2, AND 3-BEDROOM UNITS AND DUPLEXES.

CENTRAL TO THE CONCEPT IS THE INTEGRATION OF LIVING GREEN BUFFERS. PLANTERS AND VEGETATION ARE NOT MERELY DECORATIVE BUT SERVE AS A NATURAL PRIVACY SCREEN, FILTERING STREET VIEWS AND REINTRODUCING NATURE INTO THE DAILY DOMESTIC EXPERIENCE.

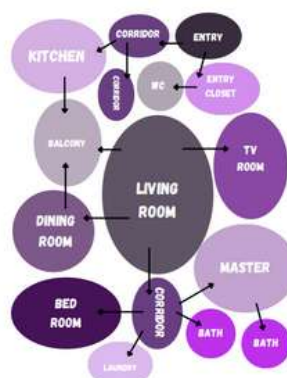


SITE PLAN

EXPLODED DIAGRAM



1-BEDROOM
BUBBLE DIAGRAM



2-BEDROOM
BUBBLE DIAGRAM

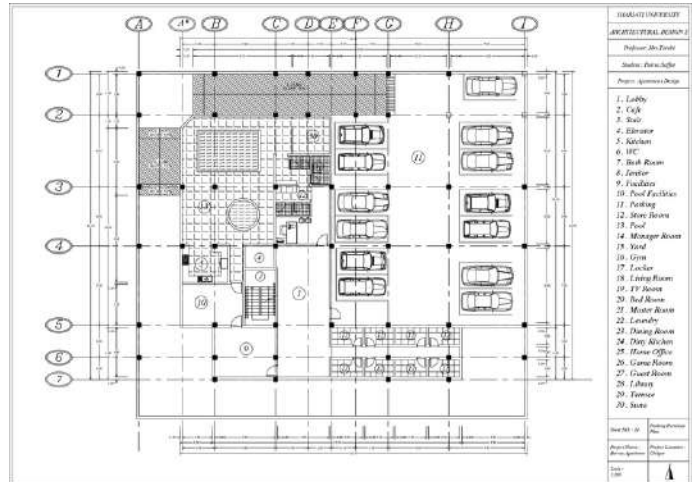


3-BEDROOM
BUBBLE DIAGRAM

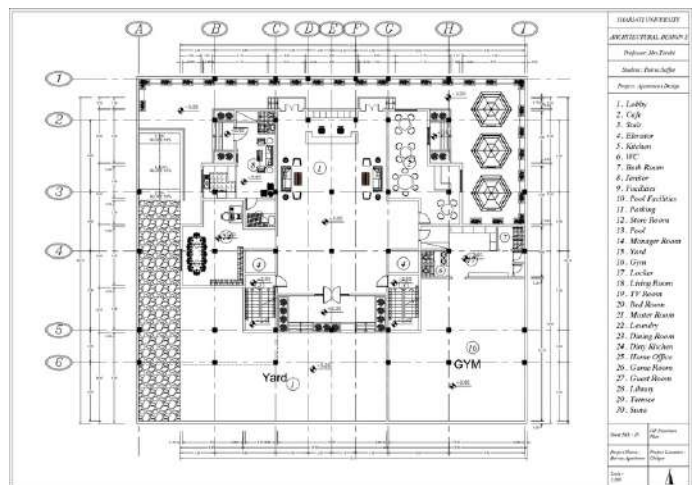


**VIEW FULL
PROJECT
SHEET**

PLANS



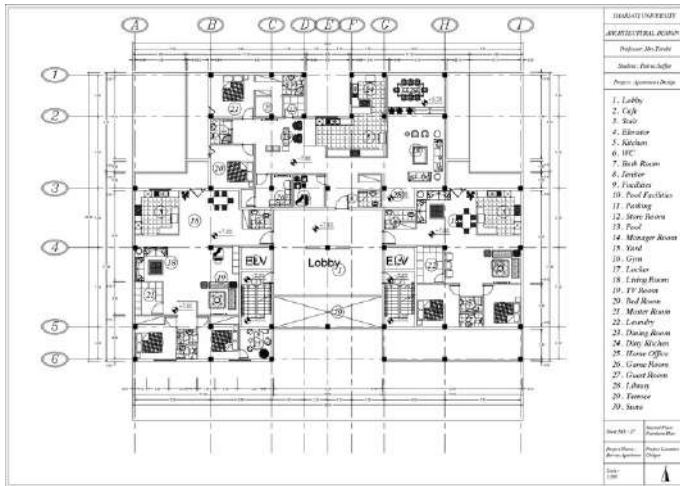
PARKING -1



GROUND FLOOR



FIRST FLOOR



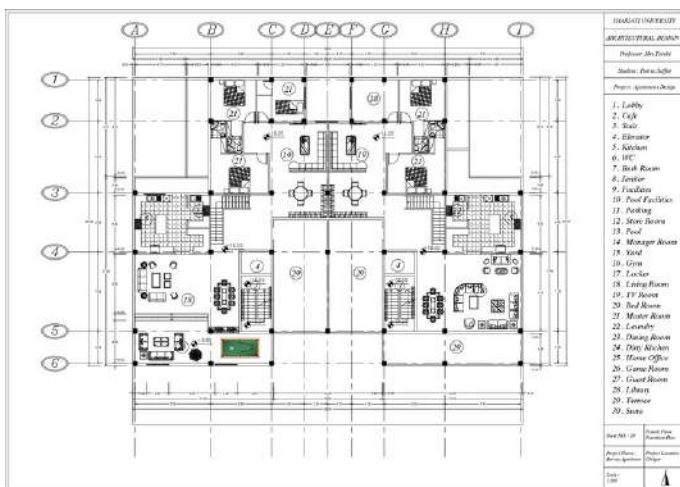
SECOND FLOOR



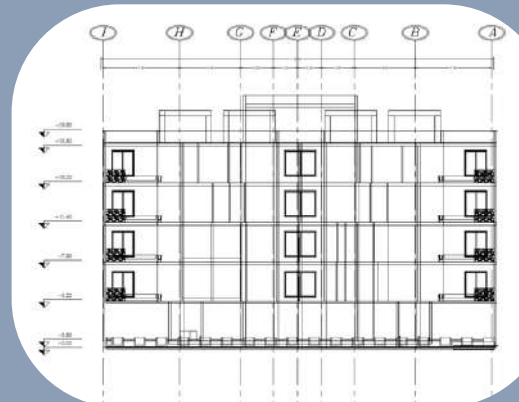
SOUTH VIEW



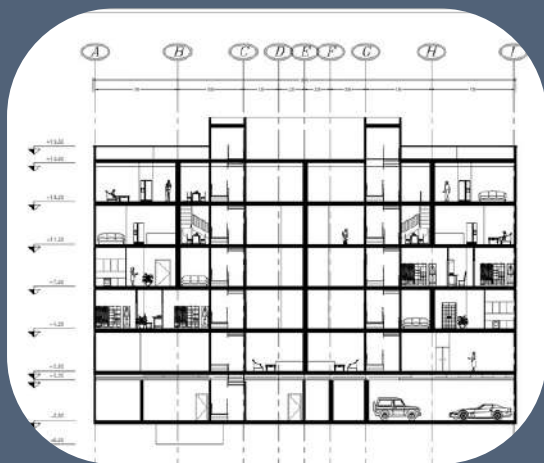
THIRD FLOOR



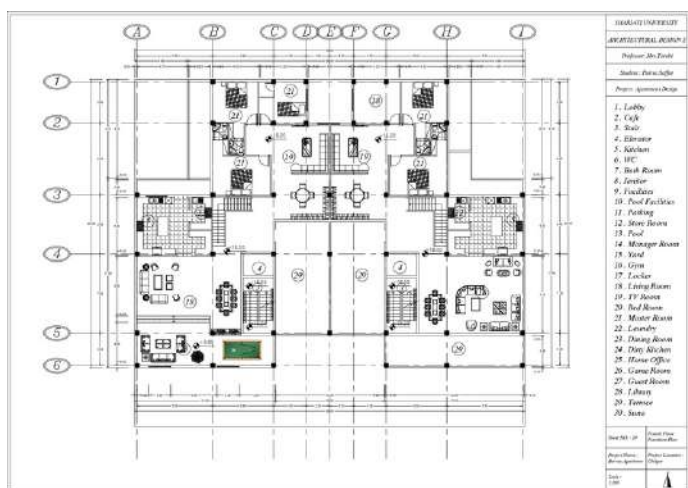
FOURTH FLOOR



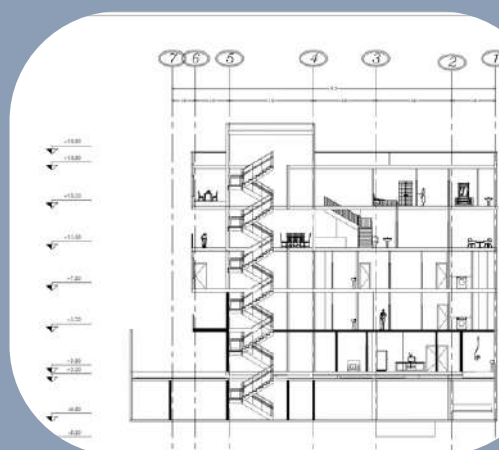
NORTH VIEW



SECTION A-A



FOURTH FLOOR



SECTION B-B

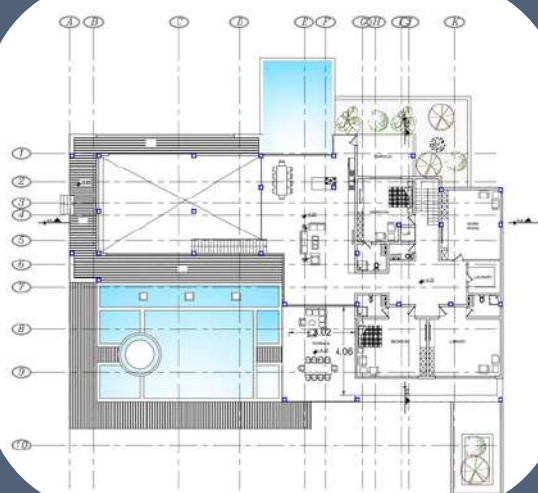


VILLA DESIGN

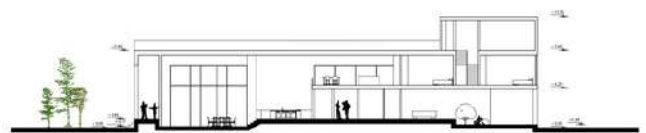
LOCATION : KISH ISLAND, IRAN

CONCEPT: THIS PROJECT EXPLORES THE INTERSECTION OF LUXURY LIVING AND CLIMATIC RESILIENCE. DESIGNED AS AN 'ENERGY-COMPATIBLE' DWELLING, THE FORM IS SCULPTED BY THE PATH OF THE SUN AND WIND. DEEP HORIZONTAL OVERHANGS PROTECT THE GLAZED FACADES FROM HARSH SUMMER GAIN WHILE ALLOWING LOW WINTER SUN TO PENETRATE THE INTERIOR.

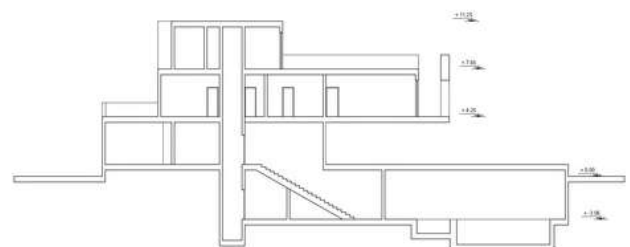
THE INTEGRATION OF WATER FEATURES—SPECIFICALLY THE LARGE POOL AND SUNKEN GARDEN—CREATES A PASSIVE COOLING MICROCLIMATE THROUGH EVAPORATION. THE LAYOUT UTILIZES A SUNKEN COURTYARD STRATEGY TO BRING NATURAL LIGHT AND VENTILATION INTO THE BASEMENT LEVELS, ENSURING THAT EVERY CORNER OF THE HOME IS ENERGY-EFFICIENT AND NATURALLY LIT



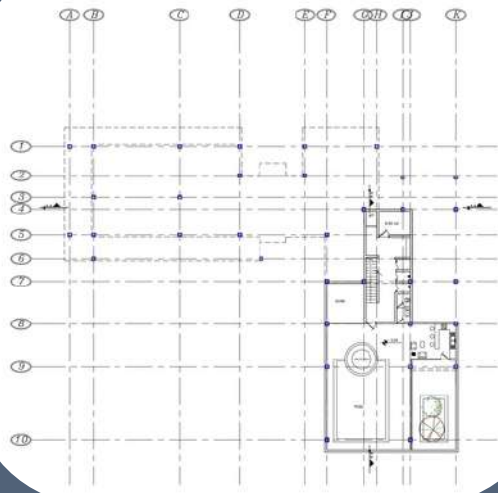
GROUND FLOOR



SECTION A-A



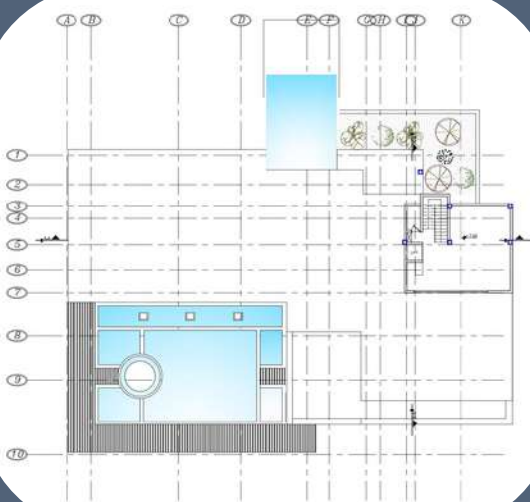
SECTION B-B



BASEMENT



FIRST FLOR



ROOF

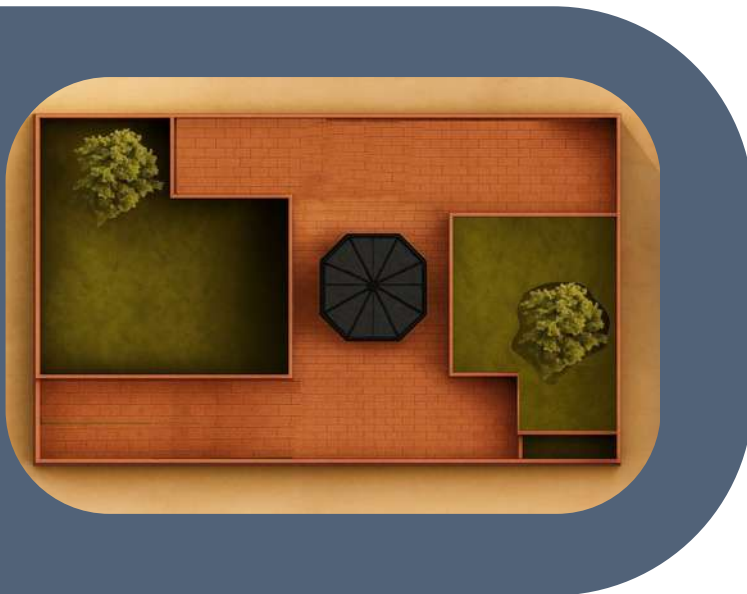




CLIMATE-RESPONSIVE PRIMARY SCHOOL

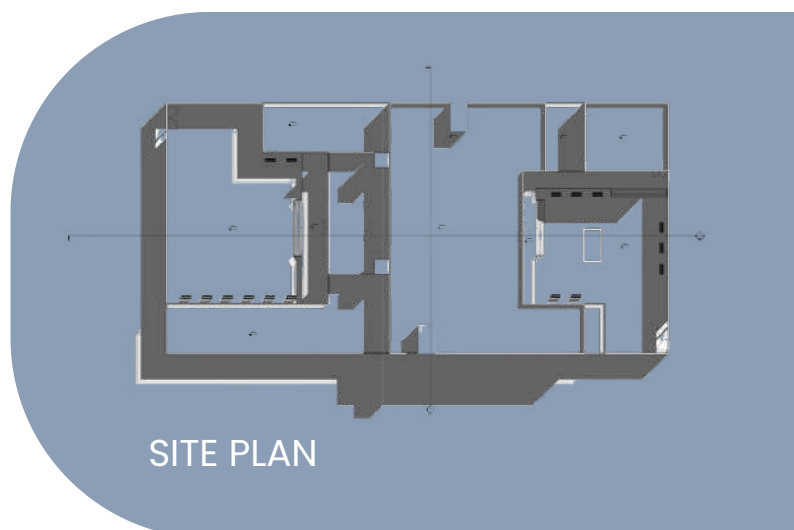
LOCATION : KERMAN, IRAN

THIS PROJECT ADOPTS A 'FORM FOLLOWS CLIMATE' APPROACH. THE ARCHITECTURAL CONCEPT IS NOT ARBITRARY; IT IS SCULPTED BY ENVIRONMENTAL FORCES. BY ANALYZING THE LOCAL WIND ROSE AND SOLAR PATH, THE BUILDING MASS WAS CARVED TO MAXIMIZE NATURAL VENTILATION AND CONTROL SOLAR GAIN. THE RESULTING PLAN FEATURES A CENTRAL SUNKEN COURTYARD THAT ACTS AS A MICRO-CLIMATE REGULATOR, PROVIDING A COOL, SHELTERED OASIS FOR STUDENTS WHILE REDUCING THE BUILDING'S ENERGY LOAD.

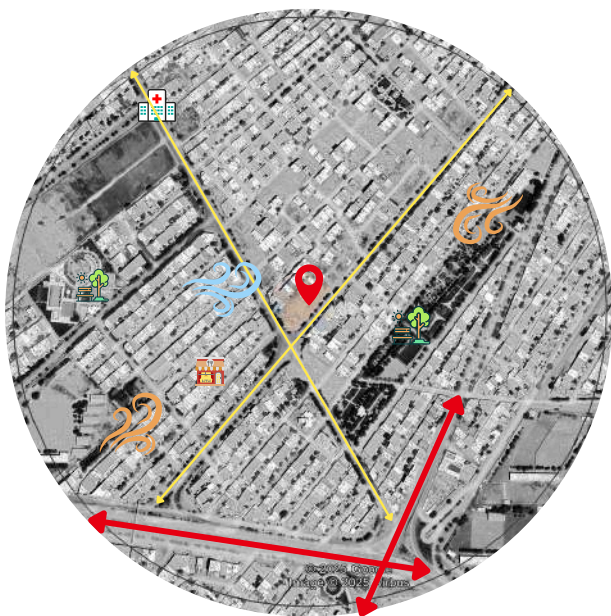


- WIND ANALYSIS: "ACCORDING TO WIND ROSE DATA, THE PREVAILING FAVORABLE WINDS ORIGINATE FROM THE WEST.
- COURTYARD STRATEGY: "THE CENTRAL COURTYARD IS ENCLOSED ON THE EAST AND WEST SIDES TO CAPTURE THESE BREEZES, MAXIMIZING CROSS-VENTILATION.

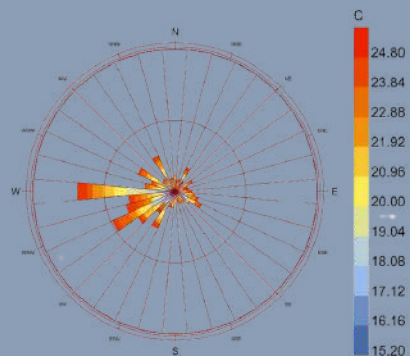
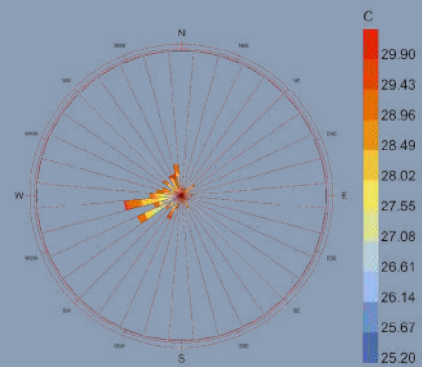
- VERNACULAR ELEMENTS: "WINDCATCHERS ARE STRATEGICALLY POSITIONED IN THE PATH OF FAVORABLE WINDS TO INDUCE NATURAL VENTILATION.
- WIND PROTECTION: "THE PLAN ORIENTATION MITIGATES THE IMPACT OF UNFAVORABLE WINDS FROM THE NORTHEAST AND SOUTHWEST.



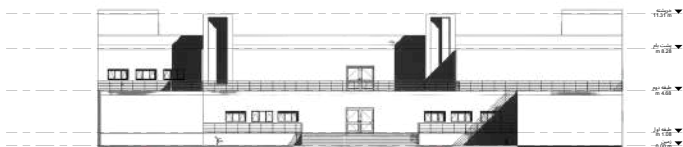
SITE PLAN



- | | | | |
|--|------------------|--|-----------|
| | اتوبان | | رستوران |
| | خیابان هامی اصلی | | هنر |
| | مکان | | بیمارستان |
| | فضای سبز | | آتش نشانی |
| | باد نامطلوب | | باد مطلوب |



DRY BULB TEMPERATURE

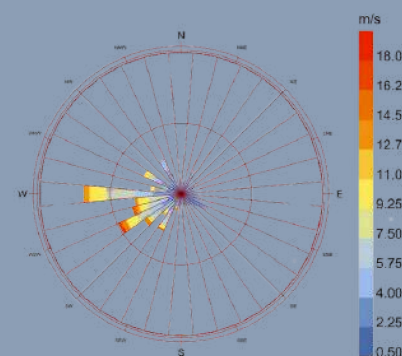
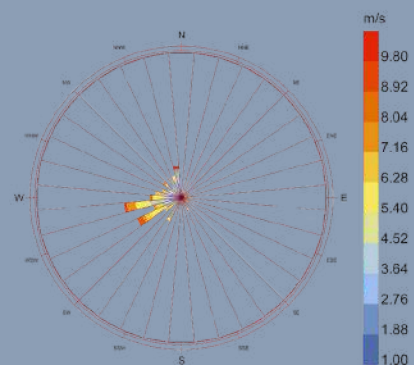


WEST VIEW



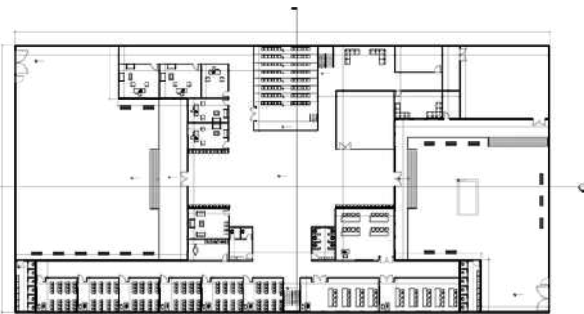
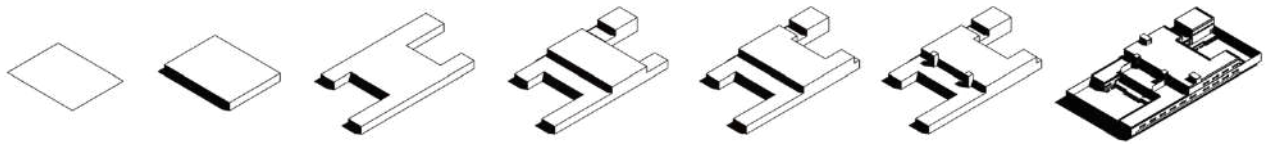
EAST VIEW

VIEW FULL
PROJECT
SHEET

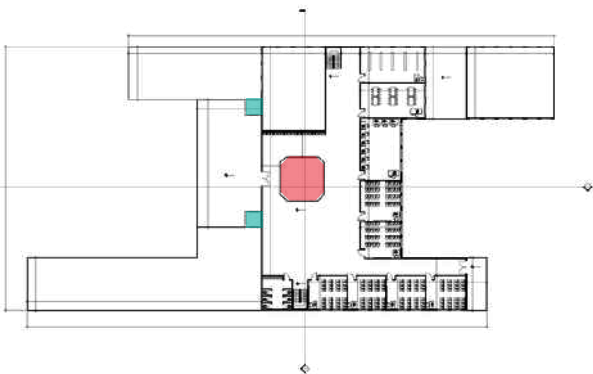


WIND SPEED (M/S)

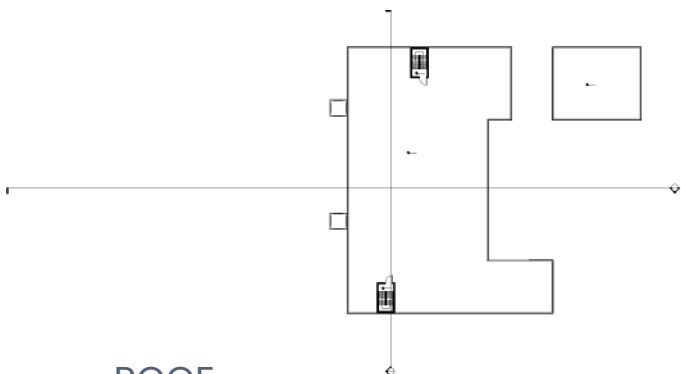
DIAGRAM & PLANS



GROUND FLOOR



FIRST FLOOR



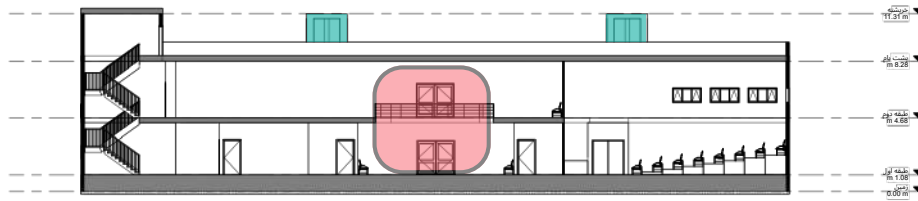
ROOF



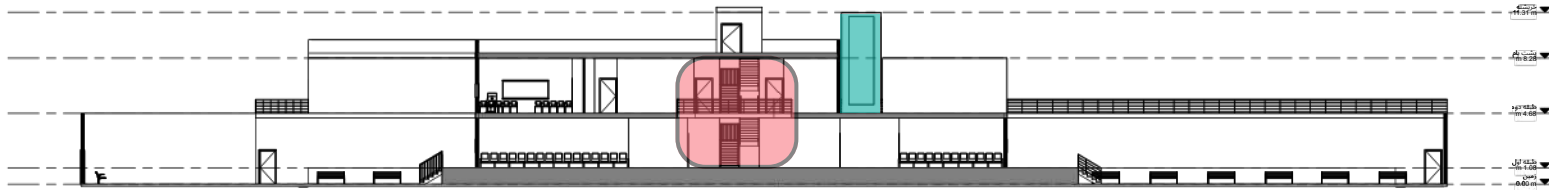
LIGHT SHELVES FOR
DAYLIGHT CONTROL



CENTRAL ATRIUM FOR
STACK EFFECT
VENTILATION

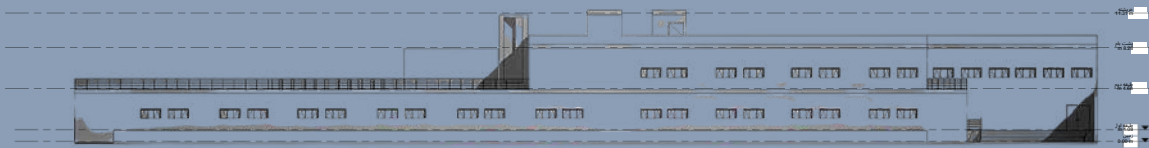


SECTION A-A

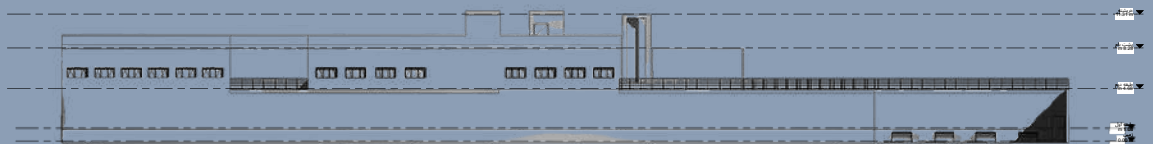


- WINDCATCHERS
- STACK EFFECT

SECTION B-B



SOUTH VIEW



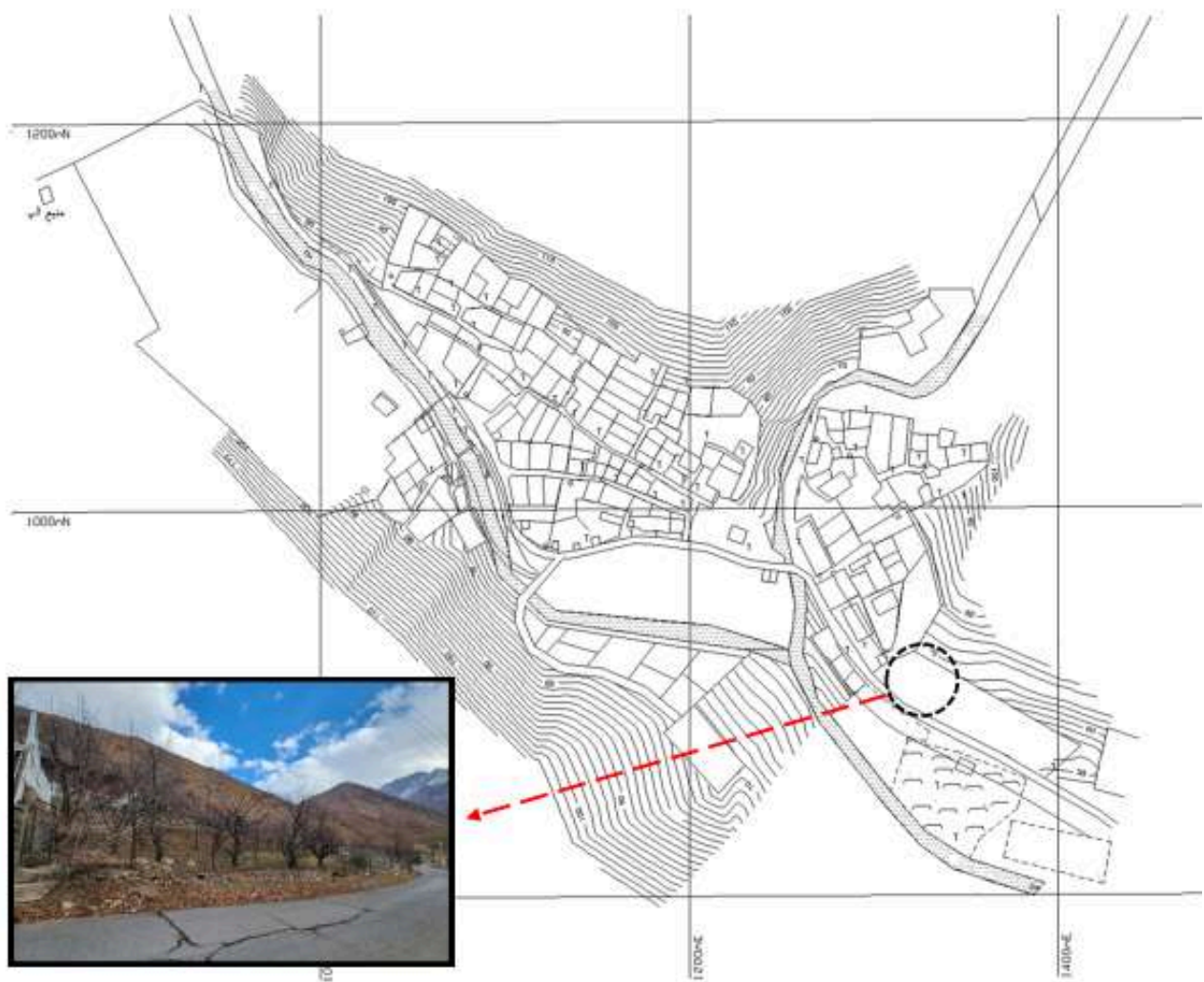
NORTH VIEW

ELEMENTARY SCHOOL

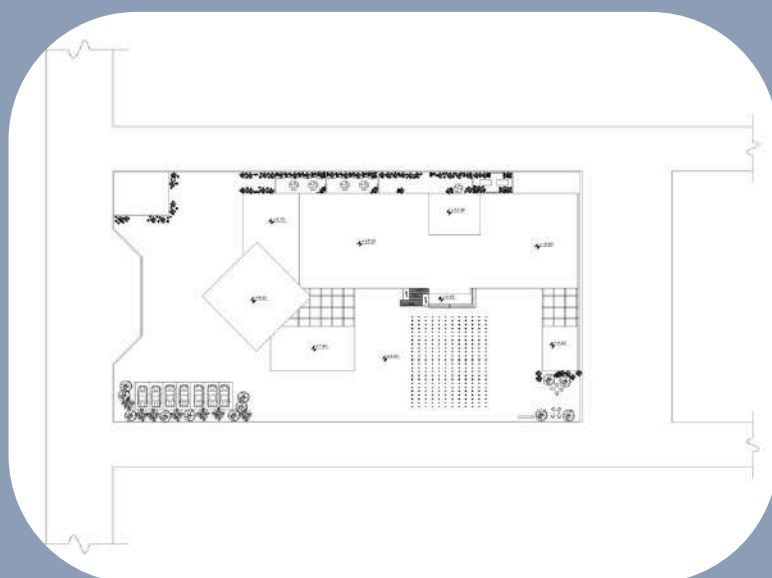
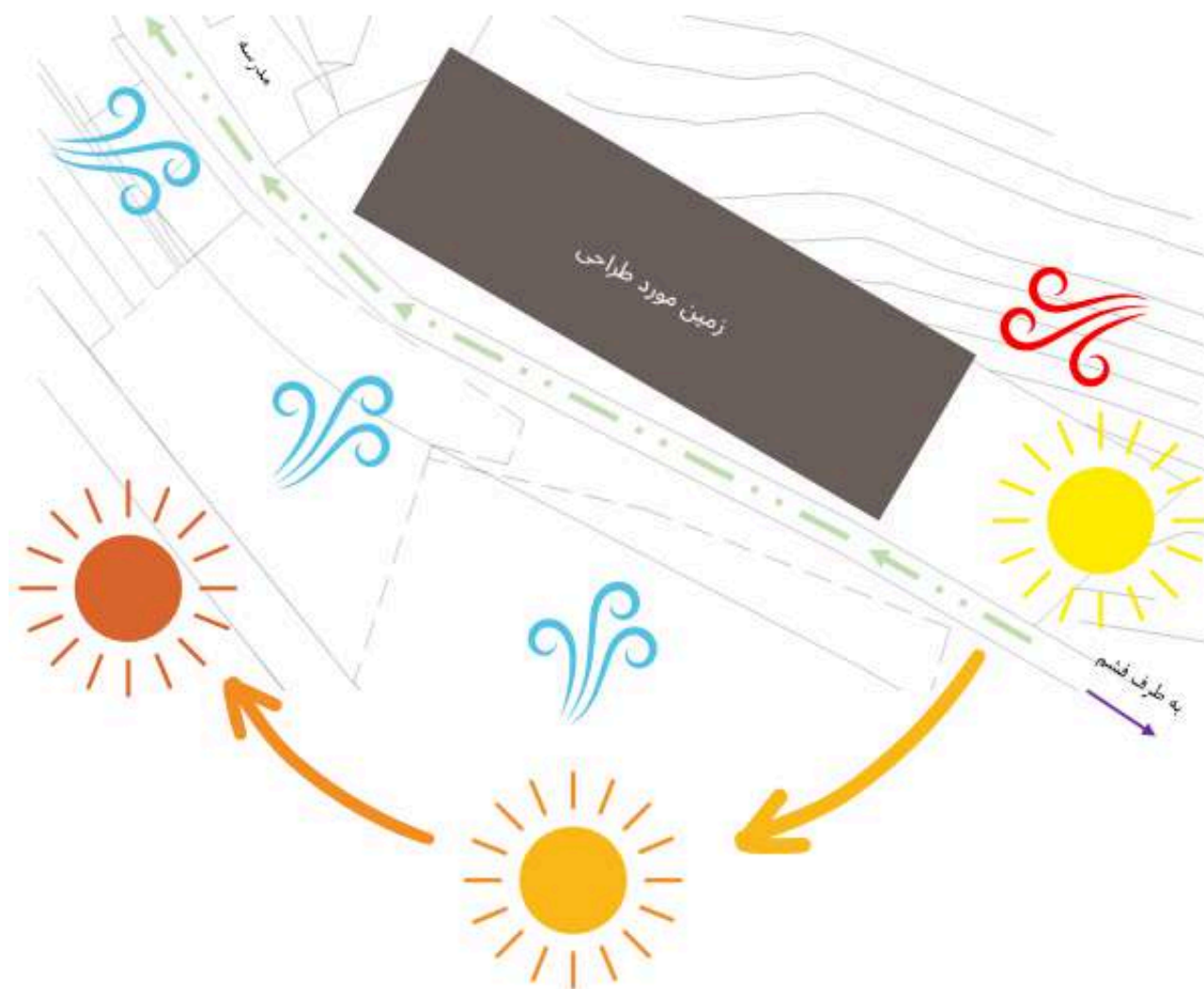
LOCATION : ROOTE, TEHRAN, IRAN

CONCEPT: LOCATED IN THE RURAL CONTEXT OF TEHRAN, THIS PROJECT AIMS TO BRIDGE THE GAP BETWEEN EDUCATIONAL STANDARDS AND VERNACULAR VILLAGE TYPOLOGY. UNLIKE DENSE URBAN SCHOOLS, THIS DESIGN PRIORITIZES A LOW-RISE PROFILE TO RESPECT THE VILLAGE SKYLINE. THE LAYOUT IS ORGANIZED TO MAXIMIZE SOUTHERN SOLAR GAIN—CRITICAL FOR THE REGION'S COLD WINTERS—WHILE PROVIDING VISUAL CONNECTIONS TO THE SURROUNDING LANDSCAPE.

LOCATION

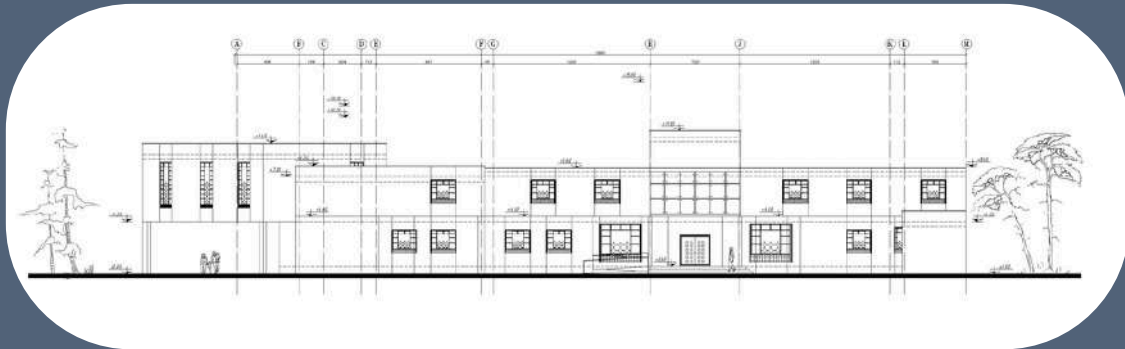


SITE ANALYSIS

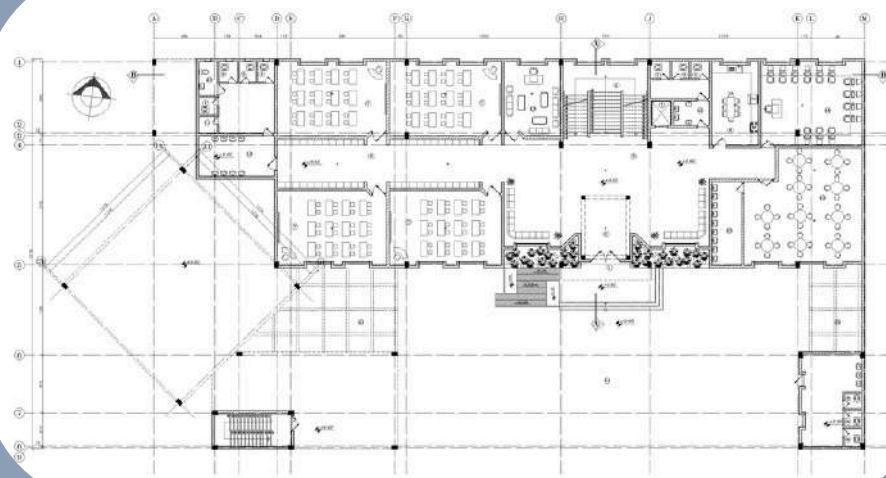


SITE PLAN

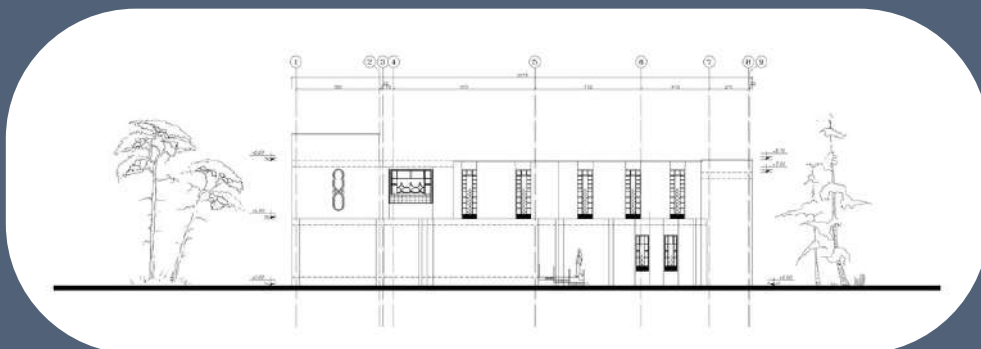
**VIEW FULL
PROJECT
PDF**



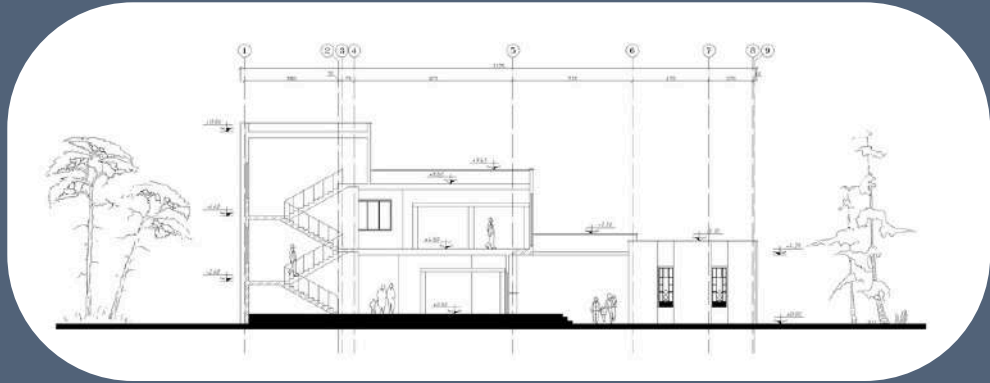
SOUTH VIEW



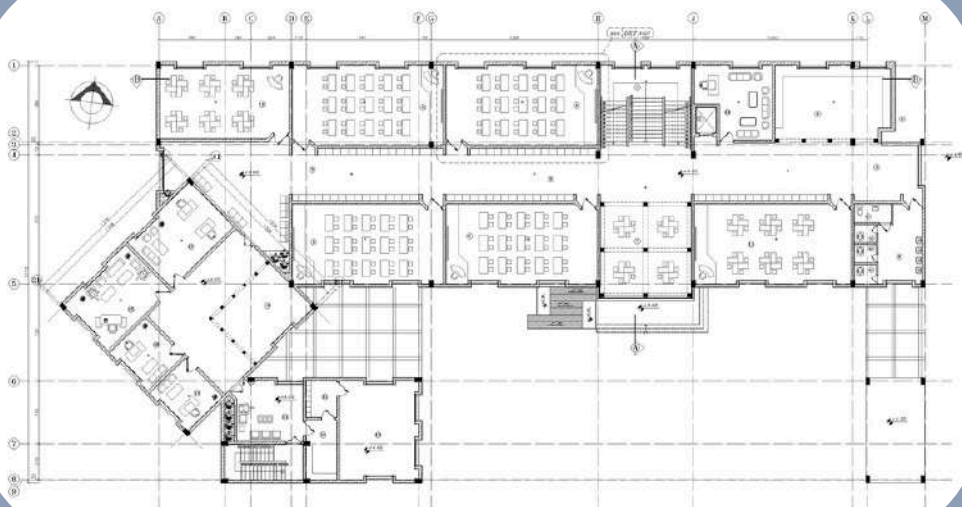
GROUND FLOOR



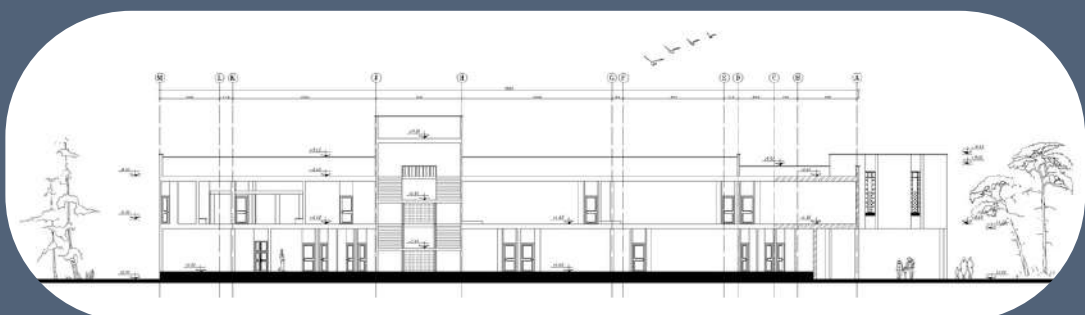
WEST VIEW



SECTION A-A



FIRST FLOOR



SECTION B-B

REDESIGN VALIASR SQUARE

URBAN SPACE ANALYSIS

URBAN SPACE DESIGN FOR VALI ASR SQUARE, TEHRAN :

VALI ASR SQUARE, ONE OF THE MOST IMPORTANT AND BUSIEST URBAN LANDMARKS IN TEHRAN, HAS LONG BEEN RECOGNIZED AS A CENTRAL HUB FOR COMMUNICATION AND CULTURE. HOWEVER, DUE TO VARIOUS CHALLENGES IN TRAFFIC, SOCIAL DYNAMICS, AND ENVIRONMENTAL CONDITIONS, THE SQUARE NEEDED A COMPREHENSIVE REDESIGN AND IMPROVEMENT.

IN OUR URBAN DESIGN PROJECT FOR VALI ASR SQUARE, OUR MAIN GOAL WAS TO ENHANCE THE QUALITY OF THE SPACE AND ADDRESS THE EXISTING ISSUES. THE KEY CHANGES IMPLEMENTED IN THIS PROJECT ARE AS FOLLOWS:

1. TRAFFIC AND ACCESS IMPROVEMENT:

ONE OF THE PRIMARY CHALLENGES OF VALI ASR SQUARE WAS HEAVY TRAFFIC CONGESTION AND DISORGANIZED MOVEMENT OF PEDESTRIANS AND VEHICLES. THROUGH THE DESIGN OF NEW PEDESTRIAN PATHWAYS AND THE IMPLEMENTATION OF INTELLIGENT TRAFFIC MANAGEMENT SYSTEMS, WE HAVE OPTIMIZED TRAFFIC FLOW AND CREATED A MORE ACCESSIBLE ENVIRONMENT FOR PEDESTRIANS.



LOCATION

TEHRAN-IRAN

2. GREEN SPACES AND REST AREAS:

PREVIOUSLY, VALI ASR SQUARE LACKED SUFFICIENT GREEN AREAS AND SPACES FOR RELAXATION. IN THE NEW DESIGN, WE HAVE EXPANDED GREEN SPACES AND CREATED COMFORTABLE REST ZONES THROUGHOUT THE SQUARE. THESE AREAS NOT ONLY IMPROVE ENVIRONMENTAL QUALITY BUT ALSO OFFER OPPORTUNITIES FOR REST AND SOCIAL INTERACTION.

3. SOCIAL AND CULTURAL SPACES:

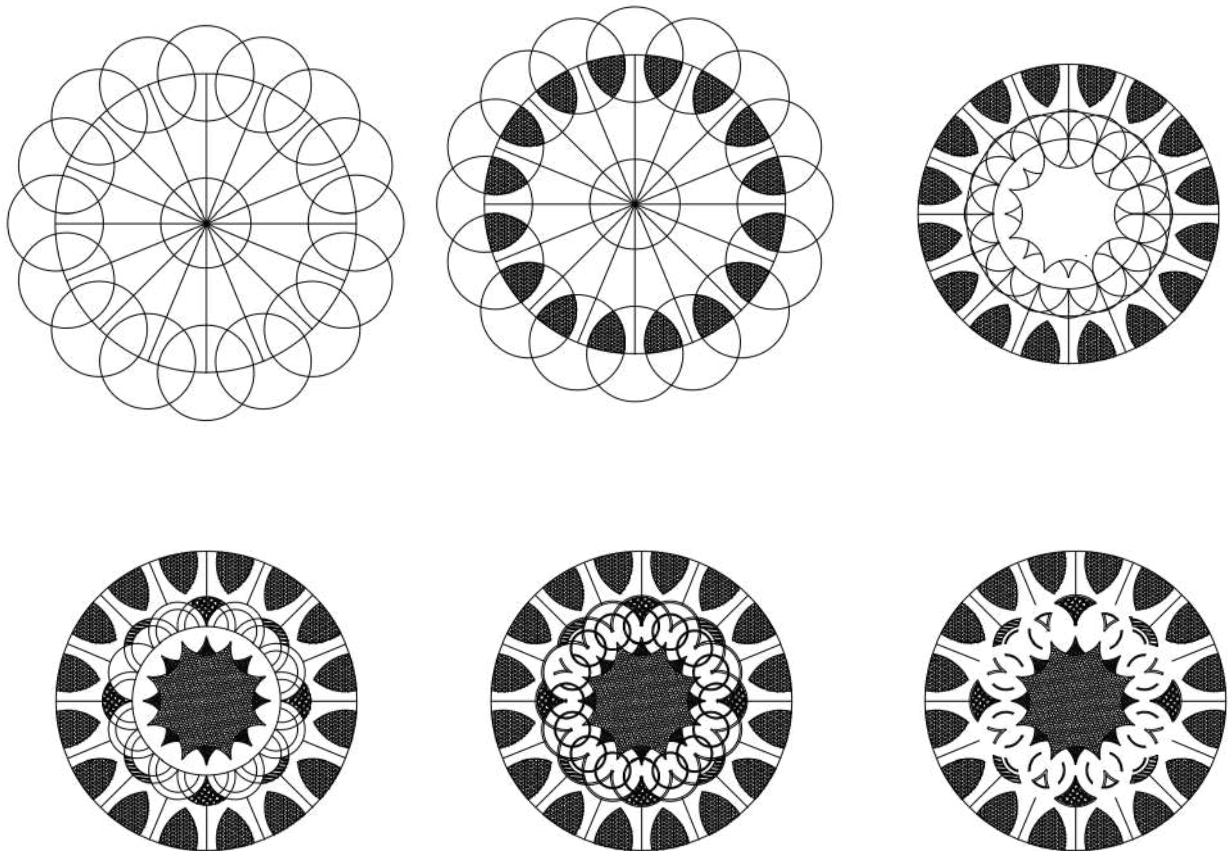
AS A PUBLIC SPACE, VALI ASR SQUARE NEEDED AREAS FOR SOCIAL AND CULTURAL GATHERINGS. IN THE UPDATED DESIGN, WE HAVE INCORPORATED SPACES FOR CULTURAL, ARTISTIC, AND SOCIAL EVENTS, MAKING THE SQUARE A VIBRANT CENTER FOR SOCIAL INTERACTIONS AND COMMUNITY ACTIVITIES.



EXISTING SITE PLAN

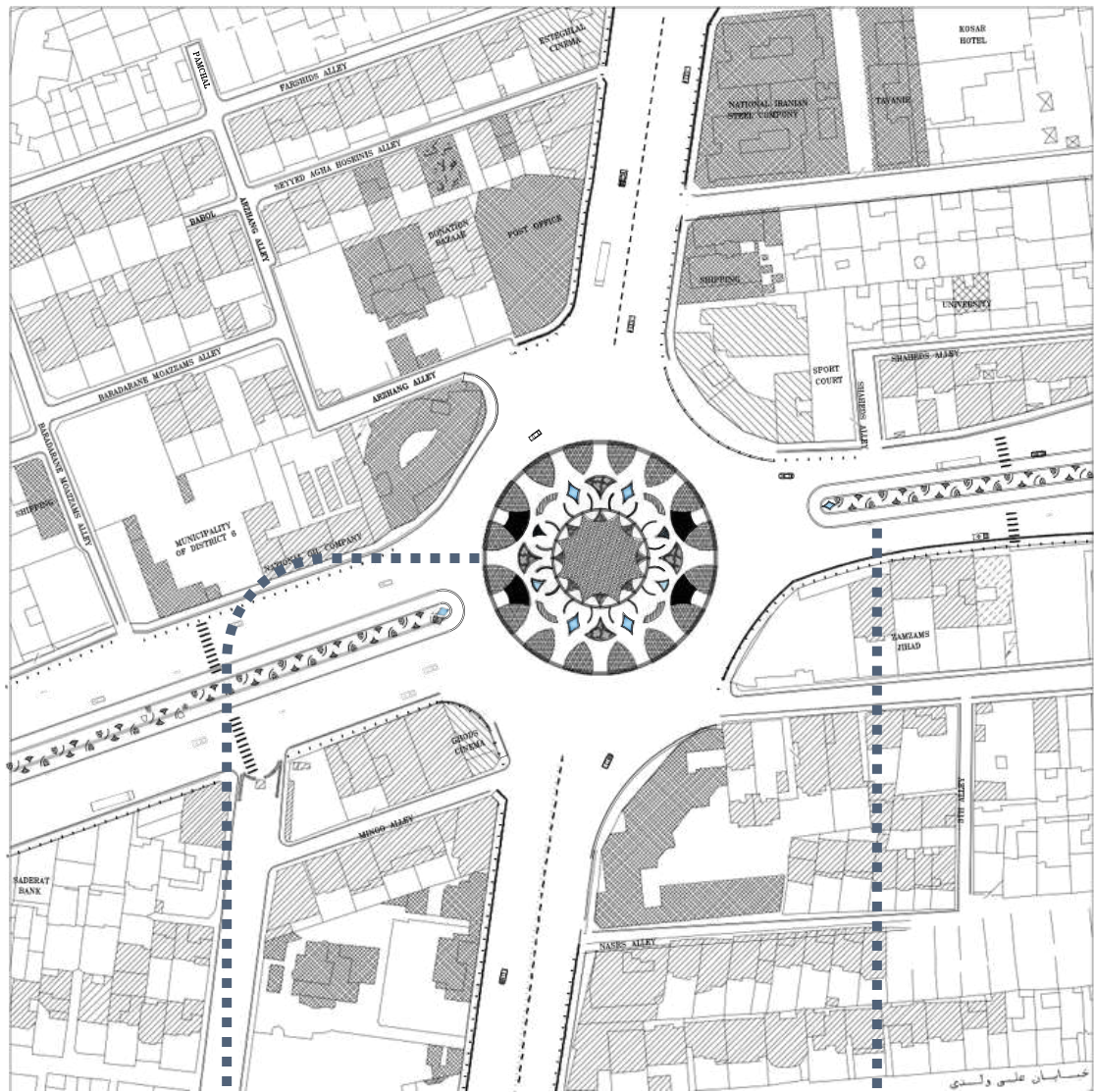
4. PRESERVING HISTORICAL IDENTITY:

THE NEW DESIGN OF VALI ASR SQUARE RESPECTS THE HISTORICAL HERITAGE AND ARCHITECTURAL LEGACY OF THE SITE. IT AIMS TO BLEND MODERN ELEMENTS WITH THE PRESERVATION OF HISTORICAL VALUES, CREATING A HARMONIOUS AND VISUALLY APPEALING EXPERIENCE FOR BOTH RESIDENTS AND VISITORS.

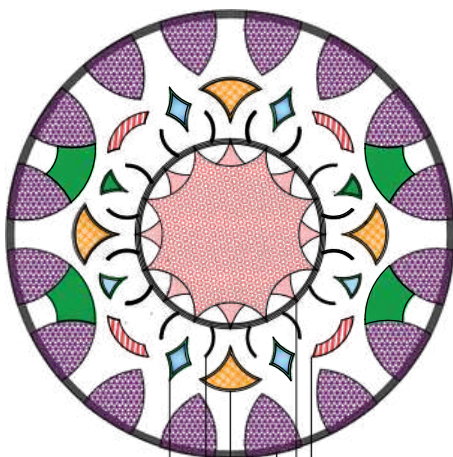


DIAGRAM

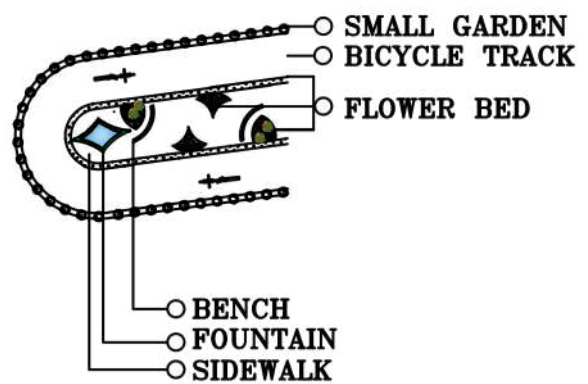
ULTIMATELY, THIS DESIGN NOT ONLY ENHANCES THE QUALITY OF URBAN LIFE BUT TRANSFORMS VALI ASR SQUARE INTO A DYNAMIC, DIVERSE PUBLIC SPACE THAT MEETS THE DAILY NEEDS OF CITIZENS AND VISITORS ALIKE.



REDESIGNED PLAN



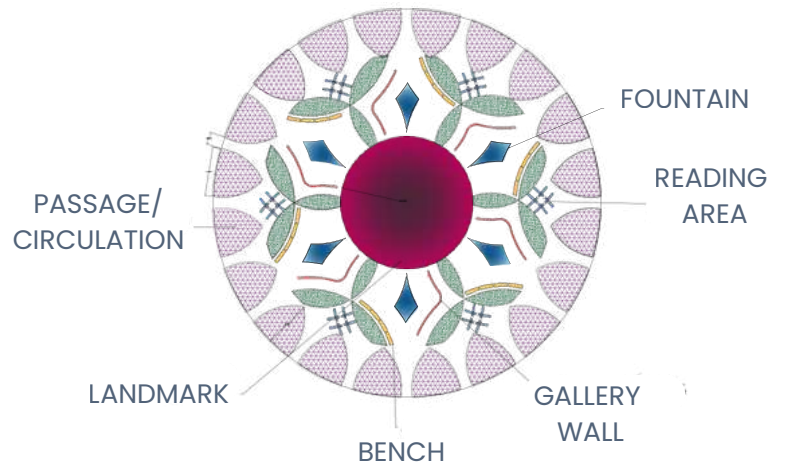
FOUNTAIN
 BOOK EXHIBITION
 FLOWER BED
 BENCH
 LAND MARK
 VAULTED PASSAGE



SMALL GARDEN
 BICYCLE TRACK
 FLOWER BED
 BENCH
 FOUNTAIN
 SIDEWALK



CHECK
OUT THE
VIDEO
HERE



ARTICLES :

1. **CLIMATE ANALYSIS & RESPONSIVE DESIGN** (FOCUSING ON THE SEMI-ARID CLIMATE OF KERMAN-IRAN):

THIS RESEARCH UTILIZES CLIMATE CONSULTANT SOFTWARE TO ANALYZE LOCAL WEATHER DATA AND PSYCHROMETRIC CHARTS. THE STUDY IDENTIFIES CRITICAL PASSIVE DESIGN STRATEGIES—INCLUDING OPTIMAL ORIENTATION, THERMAL MASS, AND NATURAL VENTILATION—TO DEVELOP A RESIDENTIAL FRAMEWORK THAT ADAPTS TO EXTREME TEMPERATURE FLUCTUATIONS AND MINIMIZES ENERGY CONSUMPTION.

- [READ FULL ARTICLE](#)

2. **HISTORICAL DOCUMENTATION-MOGHADAM MUSEUM :**

A COMPREHENSIVE ARCHITECTURAL SURVEY OF THE QAJAR-ERA MOGHADAM MUSEUM HOUSE IN TEHRAN. THIS PROJECT INVOLVED ON-SITE MANUAL MEASUREMENTS TO PRODUCE PRECISE AS-BUILT PLANS AND 3D MODELS. A KEY COMPONENT OF THE RESEARCH WAS THE DIGITAL PRESERVATION OF THE BUILDING'S INTRICATE ORNAMENTATION; EXISTING TILE WORKS WERE PHOTOGRAPHED, ANALYZED, AND REDRAWN IN AUTOCAD TO DOCUMENT THEIR GEOMETRIC PATTERNS AND HISTORICAL SIGNIFICANCE.

- [READ FULL ARTICLE](#)

3. **RESTORATION ANALYSIS: DOWLAT ABAD GARDEN (UNESCO) :**

THIS RESEARCH EVALUATES THE CONSERVATION HISTORY OF DOWLAT ABAD GARDEN IN YAZD, A UNESCO WORLD HERITAGE SITE. THE STUDY DOCUMENTS THE GARDEN'S PHYSICAL EVOLUTION AND DAMAGE PATHOLOGY ACROSS ITS ARCHITECTURAL, LANDSCAPING, AND IRRIGATION SYSTEMS. A CRITICAL PART OF THE WORK INVOLVES REVIEWING ARCHIVAL RESTORATION REPORTS TO ANALYZE THE EFFICACY AND HISTORICAL ACCURACY OF PAST INTERVENTIONS.

- [READ FULL ARTICLE](#)

THANK YOU
FOR YOUR TIME AND CONSIDERATION

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