

# GALLANT ORBIT **PROFILE**



# INTRODUCTION

**Our approach at gallant orbit focuses on giving projects a more valuable identity through process-driven design solutions in order to create real living spaces.**

**We work to create functional designs that support enduring minimalism using real materials. Whether Architecture or interior, we emphasize on clean lines and geometric shapes that give out modern and sleek look. Straight lines and clean edges are a part of our modern design approach. We aim at making the space lively and vibrant, a work place should be anything but not boring. Our goal is to build a better working and living environment.**

**The right interior and space design can make a big difference for your business. What you choose is incredibly important for organization's productivity. It does not only effects your day to day operations and your staff morale, but also your brand image.**



# ABOUT US



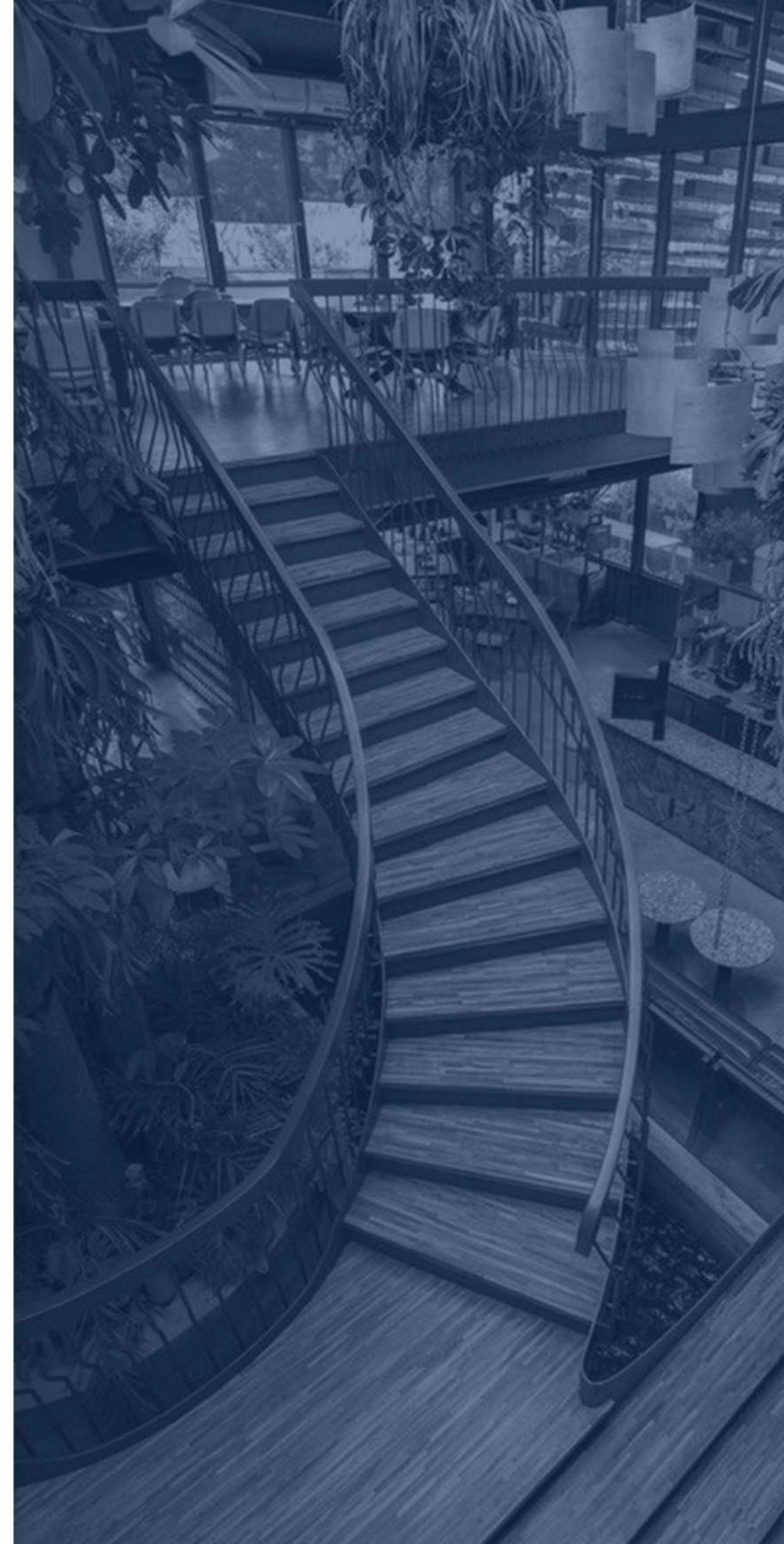
**VISION**



**MISSION**



**PHILOSOPHY**



# OUR DOMAIN



PMC



TURNKEY CONTRACTS



ONLINE INTERIORS



HYBRID INTERIORS



REAL ESTATE



ARCHITECTURAL  
TOURISM



# OUR EXPERTISE



**ARCHITECTURE**



**URBAN DESIGN**



**LANDSCAPE**



**INTERIORS**



**VISUALISATION**



**TOWN  
PLANNING**



# OUR INTERNATIONAL REACH



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## CONTINENTS

## COUNTRIES



EUROPE



GERMANY



AFRICA/MIDDLE EAST



ITALY



GCC



UAE



CENTRAL ASIA



AUSTRALIA

# OUR NATIONAL REACH



## STATE WISE CITIES



HIMACHAL



PUNJAB



HARYANA



RAJASTHAN



BIHAR



MADHYA PRADESH



MAHARASHTRA



GOA



ANDHRA PRADESH



DELHI



KERALA



WEST BENGAL



JHARKHAND



UTTAR PRADESH



TAMIL NADU

# MEET US



ABDUL MAJID  
C.E.O



LILIANE TAMBE  
C.I.O



THOMAS FISCHER  
C.P.O



ARVIND DIXIT  
C.T.O



NAFISA KAZI  
C.A.O



VIKAS DHIMAN  
C.R.O



TULIKA  
C.C.O



AMIT KAPOOR  
C.O.O



WARISHA  
C.H.R.O



PURNOOR  
C.M.O



RANA  
C.K.O



VARSHA  
C.D.O



ABEER  
SR. PROJECT MANAGER



RICHA DIXIT  
SR. INNOVATOR



SAUMYA  
SR. HOUSING ARCHITECT



BILAL KHAN  
SR. COUNCIL ARCHITECT



SWATI  
SR. LANDSCAPE ARCHITECT



ZEBA  
SR. RESEARCH ARCHITECT



SIMER  
SR.URBAN.P.ARCHITECT



MUSHAHID  
SR. B.I.M ARCHITECT



MANSI  
SR. URBAN.D.ARCHITECT



CHETNA  
SR. DEVELOPER ARCHITECT



MUJAHID HABIB  
SR. RECREATION ARCHITECT



NIKHIL  
SR. PRODUCT.D.ARCHITECT



AYESHA  
GREEN ARCHITECT



ANAM  
B.I.M ARCHITECT



GAURAV  
INDUSTRIAL.D.ARCHITECT



ALICE  
DEVELOPER ARCHITECT



AVNISH  
VISUALISATION ARCHITECT



DARAQSHAN  
COUNCIL ARCHITECT



# OUR STRENGTH



MANISH  
TIMBER CONSULTANT



KARAN  
SERVICES CONSULTANT



DHEERAJ  
FIT-OUT CONSULTANT



BASANT  
KITCHEN CONSULTANT



SADIQ  
MATERIAL CONSULTANT



DIVANSH  
GLASS CONSULTANT



RICHA  
B.I.M CONSULTANT



NITIN  
ACCESSORIES CONSULTANT



SAUMYA  
PROCUREMENT CONSULTANT



PRAVEEN  
VISUALISATION CONSULTANT



MEENU  
FACADE CONSULTANT



ARSHAD  
MODELLING CONSULTANT



AFTAB  
M.E.P. ARCHITECT



RAJAT  
STRUCTURE ARCHITECT



SWALEHA  
PLANNING ARCHITECT



IMRAN  
HEALTHCARE ARCHITECT



SHRUTI  
RESIDENTIAL ARCHITECT



AARTI  
CORPORATE ARCHITECT



MANISH  
3D DESIGNING HEAD



BHAWNA  
MEDIA HEAD



RAHUL  
DIGITAL HEAD



HUSSAIN  
FRANCHISEE HEAD



ASRA  
FRANCHISEE HEAD



SHILPI  
ADMIN HEAD



FIZA  
EVENT ORGANISER



VIVEK  
PROJECT COORDINATOR



SNEHA  
OFFICIAL VLOGGER



KARTIK  
LIGHTING ENGINEER



KAIFY  
SOCIAL HANDLES HEAD



RIYA  
INTERNS HEAD

# OUR CLIENTELE



# ARCHITECTURE

Gallant Orbit is a n organization which believes that architecture, the natural landscape and a building's context, are seamlessly connected. We as Architects do not work on a predetermined formula, but rather strive to create architecture that is inventive yet timeless. Each project begins with a collaborative approach, which engages the client in an integrated design process from the initial concept through the project's completion.

Our expertise provides full architectural design service from concept design to construction supervision. We have an extensive experience in designing homes, residential buildings, hotels, commercial complex, offices, and museum. The quality of our surrounding has a direct influence on the quality of our lives. Hence, we try to create end user focused quality spaces with a modern design approach.

We sincerely take our client's need and

# ARCHITECTURE SKYSCRAPER



# ARCHITECTURE SKYSCRAPER



# ARCHITECTURE FACADE DESIGN



# ARCHITECTURE FACADE DESIGN



# ARCHITECTURE FACADE DESIGN





# ARCHITECTURE : ABUDHABI VILLA



AR. WARISHA

# ARCHITECTURE HIGH RISE



# ARCHITECTURE ROW HOUSING



# ARCHITECTURE COMMERCIAL



# URBAN DESIGN/PLANNING

Urban design is about a great variety of places: whether town and city centres, residential neighbourhoods and suburbs, heritage precincts, grassy fields on the edge of villages, industrial estates, overlooked areas/ urban voids around train stations, over-bridges, rivers and canals. Urban design defines the nature of buildings and the spaces between them, and how the design itself should be worked out: design processes and outcomes.

As worked on various redevelopment projects, our vision is to create vibrant places and communities which respect the environment, respond to physical challenges, embrace high quality design principles, are sustainable and, also meet our client's commercial objectives. By applying a thorough understanding of the development processes, fostering local relationships and using their experience and knowledge, Gallant Orbit provides its'



# RECREATIONAL ASPECTS IN UNAUTHORIZED NEIGHBOURHOOD - ABUL FAZAL ENCLAVE, DELHI

PHASE 1.1



PHASE 1.2



PHASE 1.2



PHASE 2



PHASE 3.1



PHASE 3.2



GUIDELINES AND DESIGN SOLUTIONS FOR VACANT LAND, WHICH ARE MEANT TO BE FOR RESIDUAL UNITS. SUCH AS:

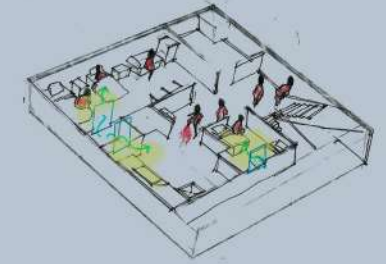
GUIDELINES AND DESIGN SOLUTIONS FOR THE EXISTING RESIDUAL UNITS WHICH ARE IN BAD CONDITIONS AND NEEDS REDEVELOPMENT OR RECONSTRUCTION IN COMING YEARS.

PARALELLY, IF THE REDEVELOPMENT PLANS ARE BEING EXECUTED, ROADS AND STREETS SHOULD BE MANAGED AND BIG VEHICLE ENTRIES SHUOLD BE RESTRICTES ON CERTAIN ROADS, PROVIDING THE PROVISION FOR.MULTI-LEVEL PARKING OR BASEMENT PARKING.

## EXISTING

### HOUSE TYPOLOGY 1

YASEEN MANZIL  
(ABUL FAZAL PART 1, PEHLI PULIYA)

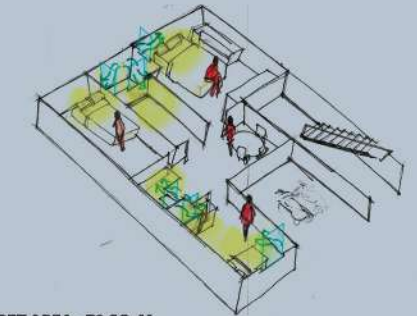
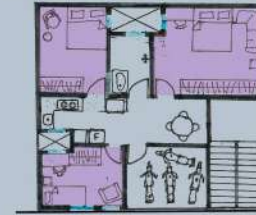


6 M WIDE STREET

CARPET AREA - 65 SQ. M

### HOUSE TYPOLOGY 2

HUDA APPARTMENT  
(ABUL FAZAL PART 1, TEESRI PULIYA)

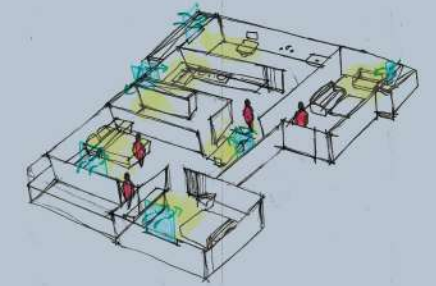


4.5 M WIDE STREET

CARPET AREA - 72 SQ. M

### HOUSE TYPOLOGY 3

NAZEER APPARTMENT  
(ABUL FAZAL PART 1, THOKAR NUMBER 5)

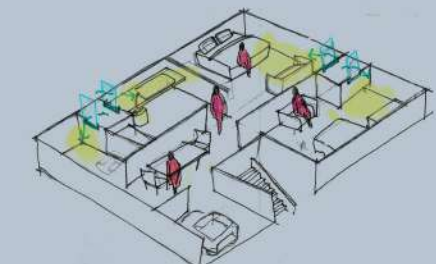
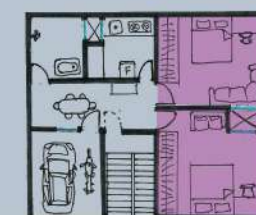


4.5 M WIDE STREET

CARPET AREA - 80 SQ. M

### HOUSE TYPOLOGY 4

BILAL MANZIL  
(ABUL FAZAL PART 1, THOKAR NUMBER 4)

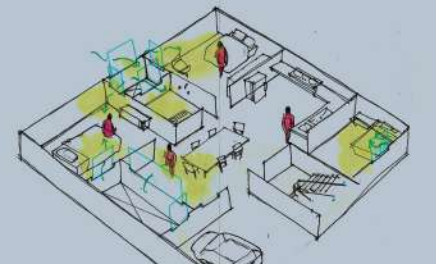


6 M WIDE STREET

CARPET AREA - 65 SQ. M

### HOUSE TYPOLOGY 5

MOHNIS KEDA  
(ABUL FAZAL PART 1, THOKAR NUMBER 3)



4.5 M WIDE STREET

CARPET AREA - 65 SQ. M

# RECREATIONAL ASPECTS IN UNAUTHORIZED NEIGHBOURHOOD - ABUL FAZAL ENCLAVE, DELHI



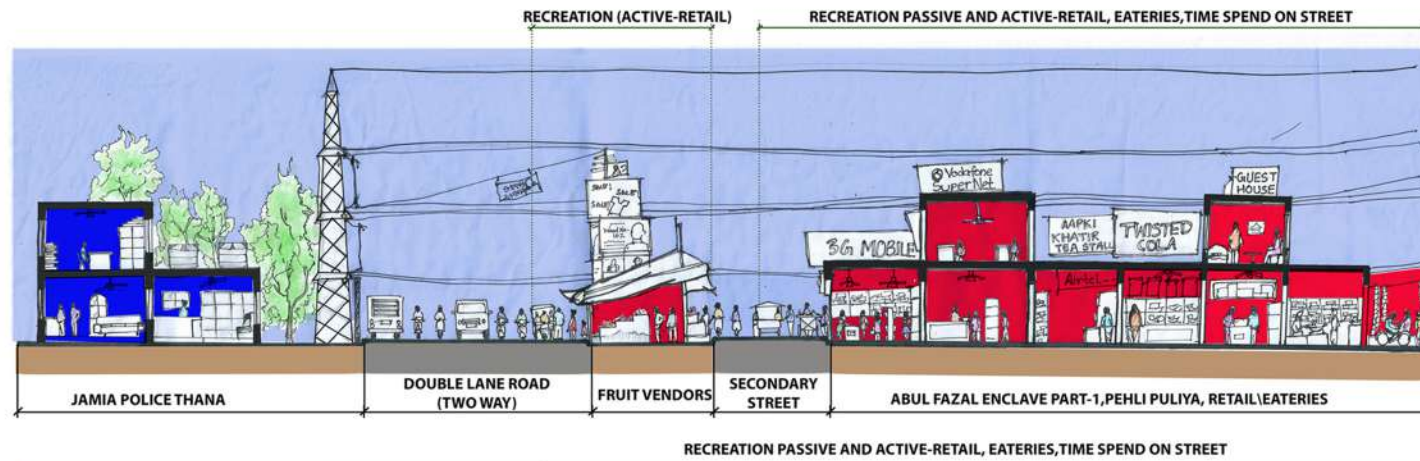
## PROPOSALS



# RECREATIONAL ASPECTS IN UNAUTHORIZED NEIGHBOURHOOD - ABUL FAZAL ENCLAVE, DELHI

EDGE CONDITION - 1

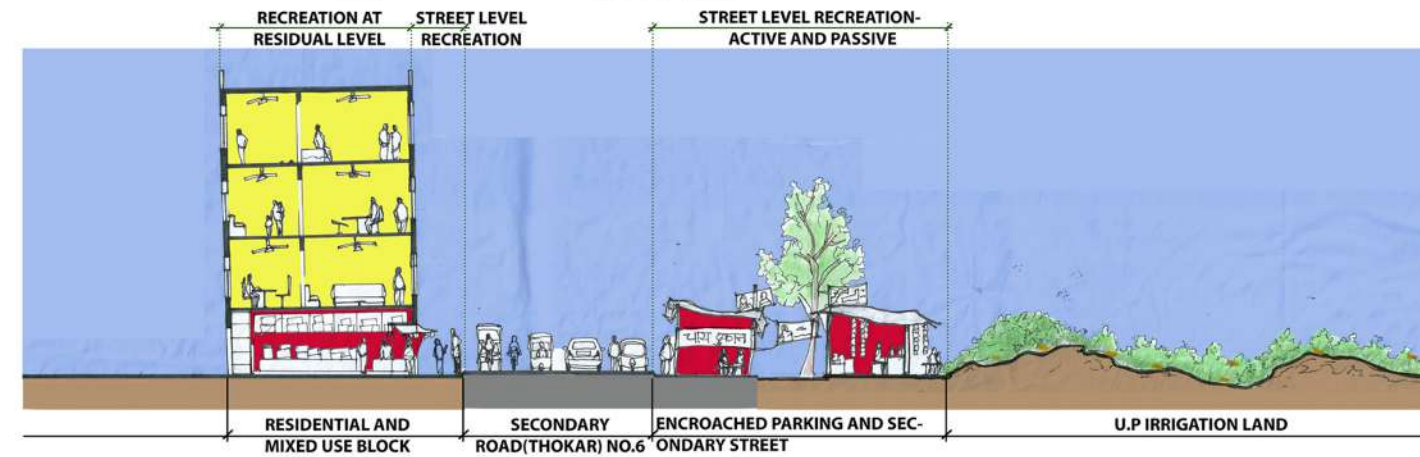
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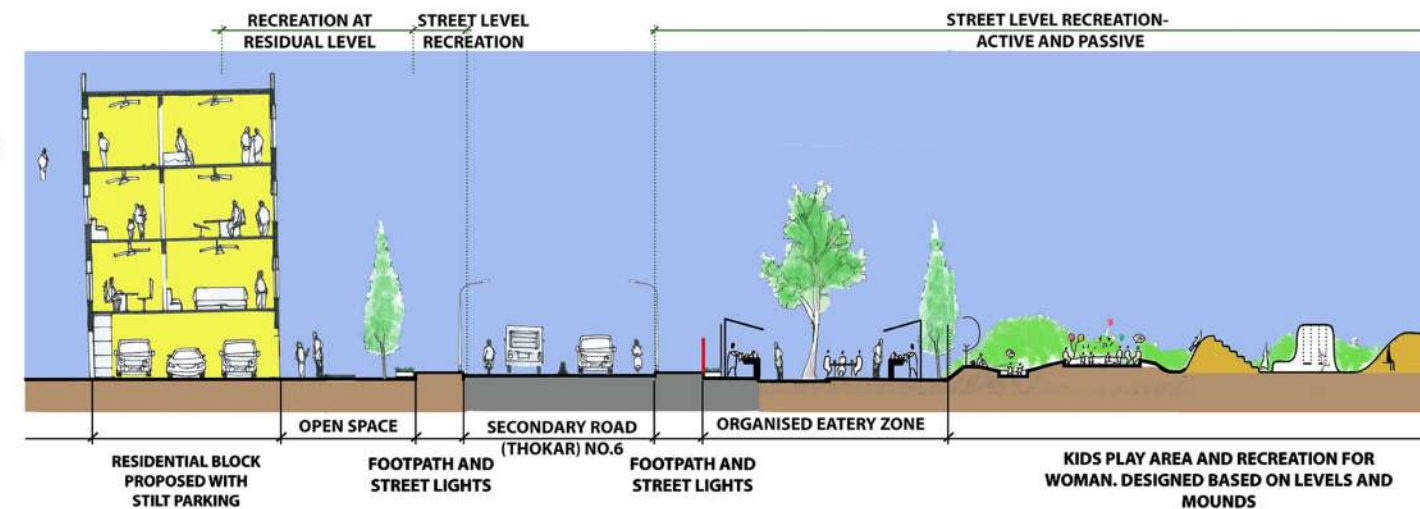
PROPOSED



EXISTING



PROPOSED



EDGE CONDITION - 2

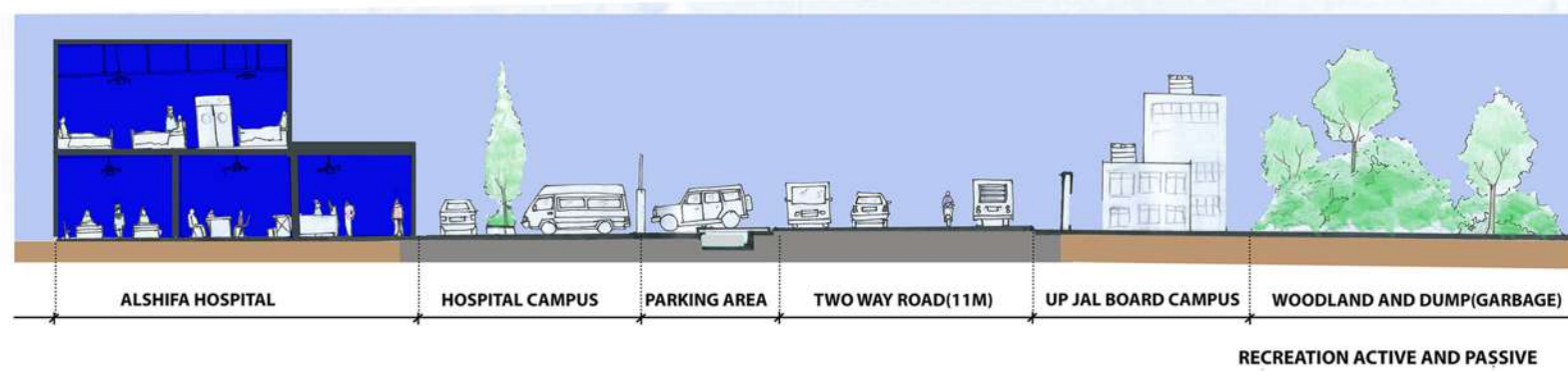




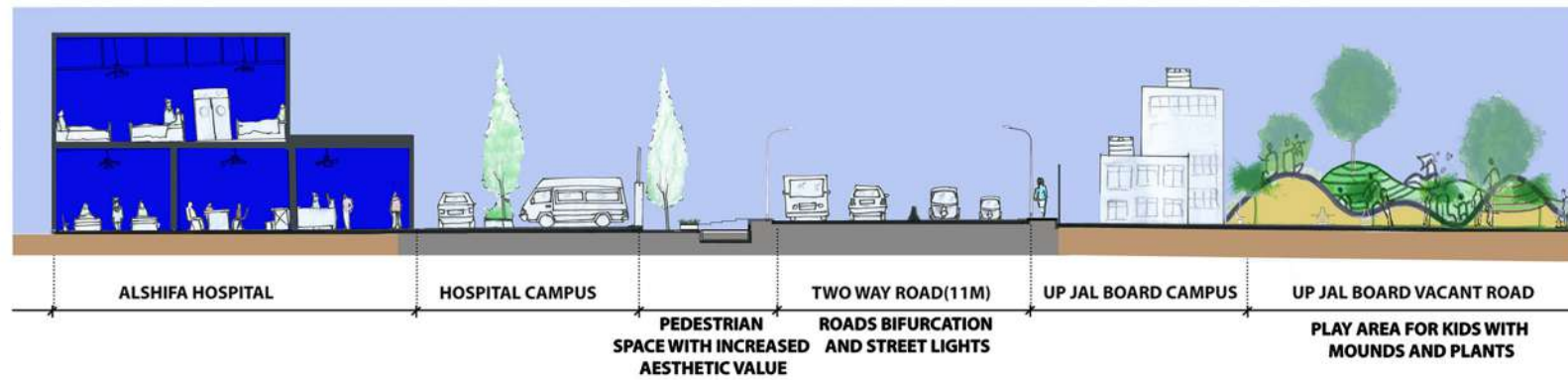
# RECREATIONAL ASPECTS IN UNAUTHORIZED NEIGHBOURHOOD - ABUL FAZAL ENCLAVE, DELHI

EDGE CONDITION - 3

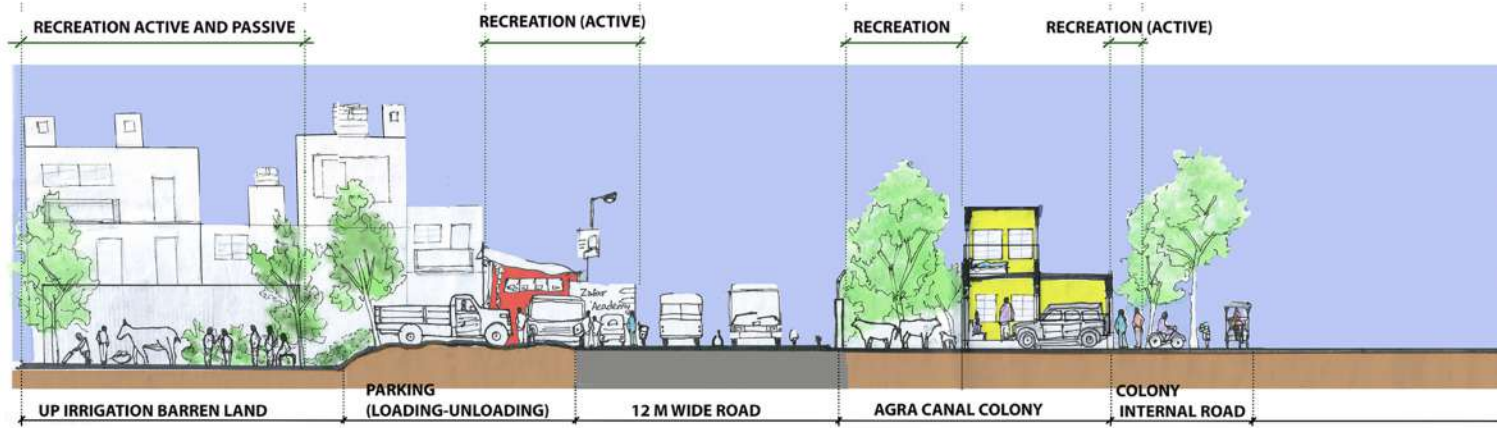
EXISTING



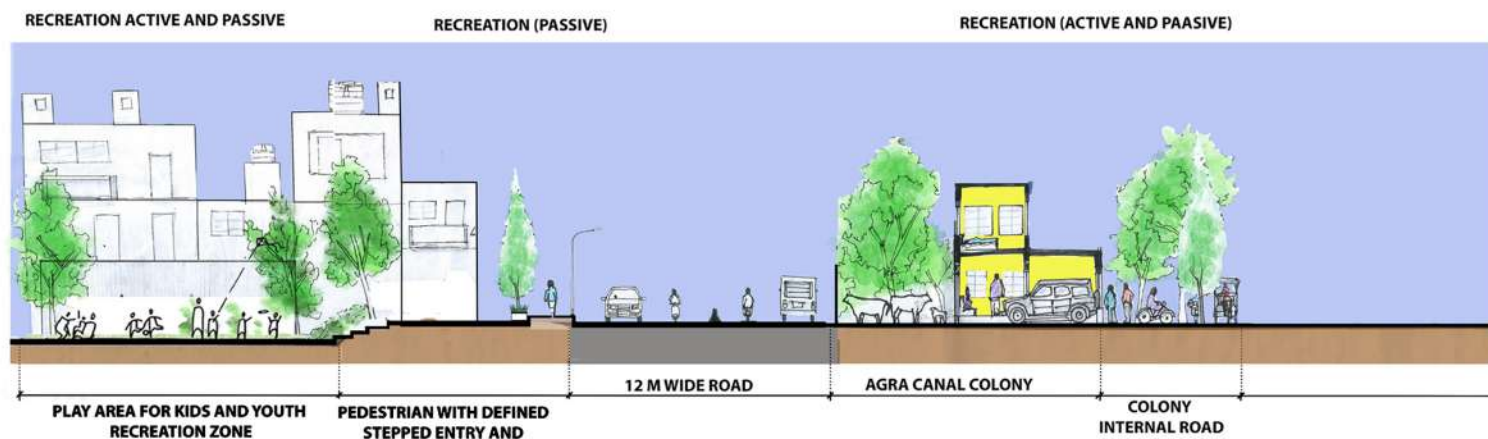
PROPOSED



EXISTING

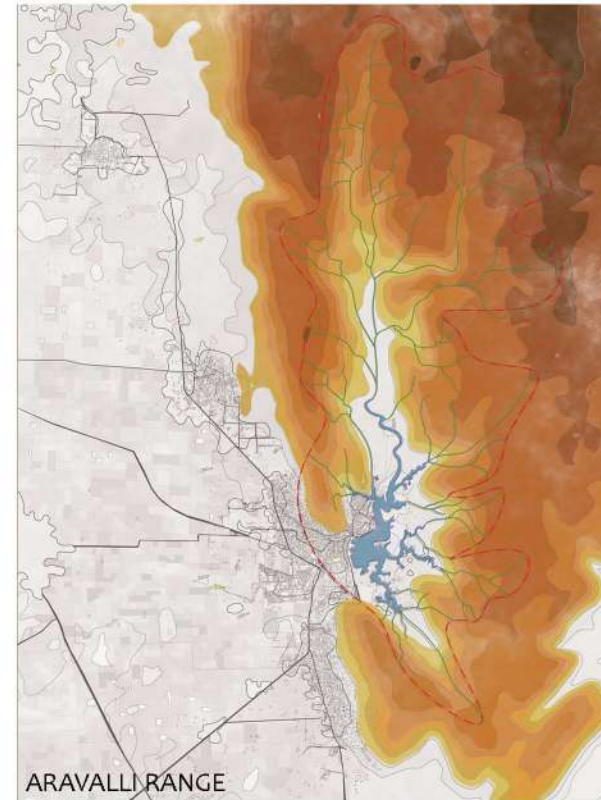
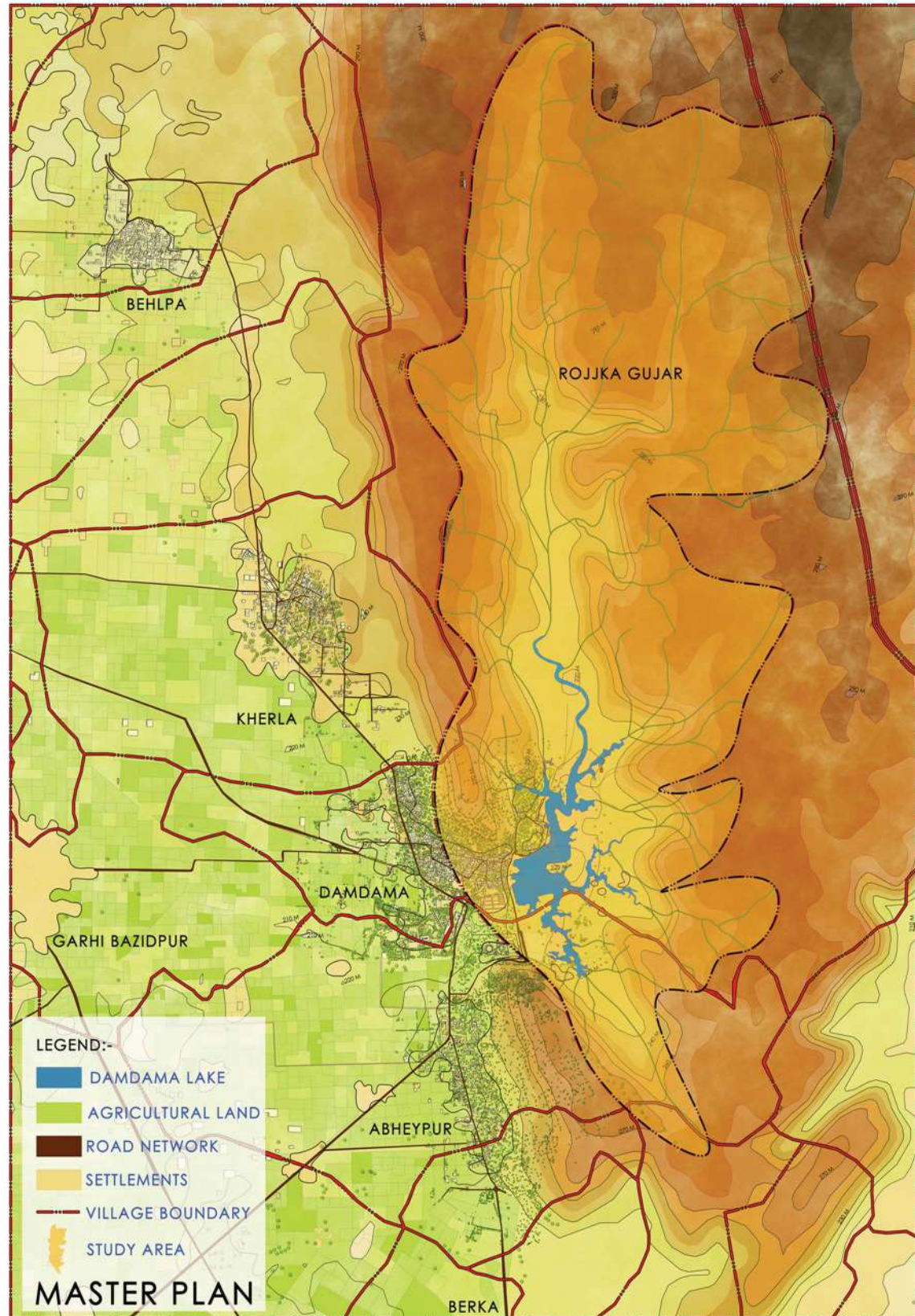


PROPOSED



# REDEVELOPMENT OF DAMDAMA LAKE-1

## SITE ANALYSIS



## Typology of Houses Near Damdama Lake

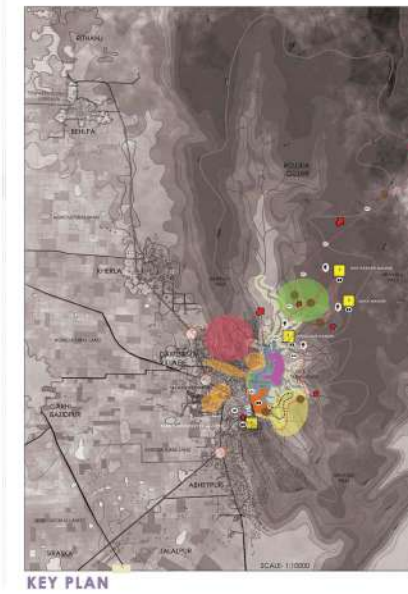
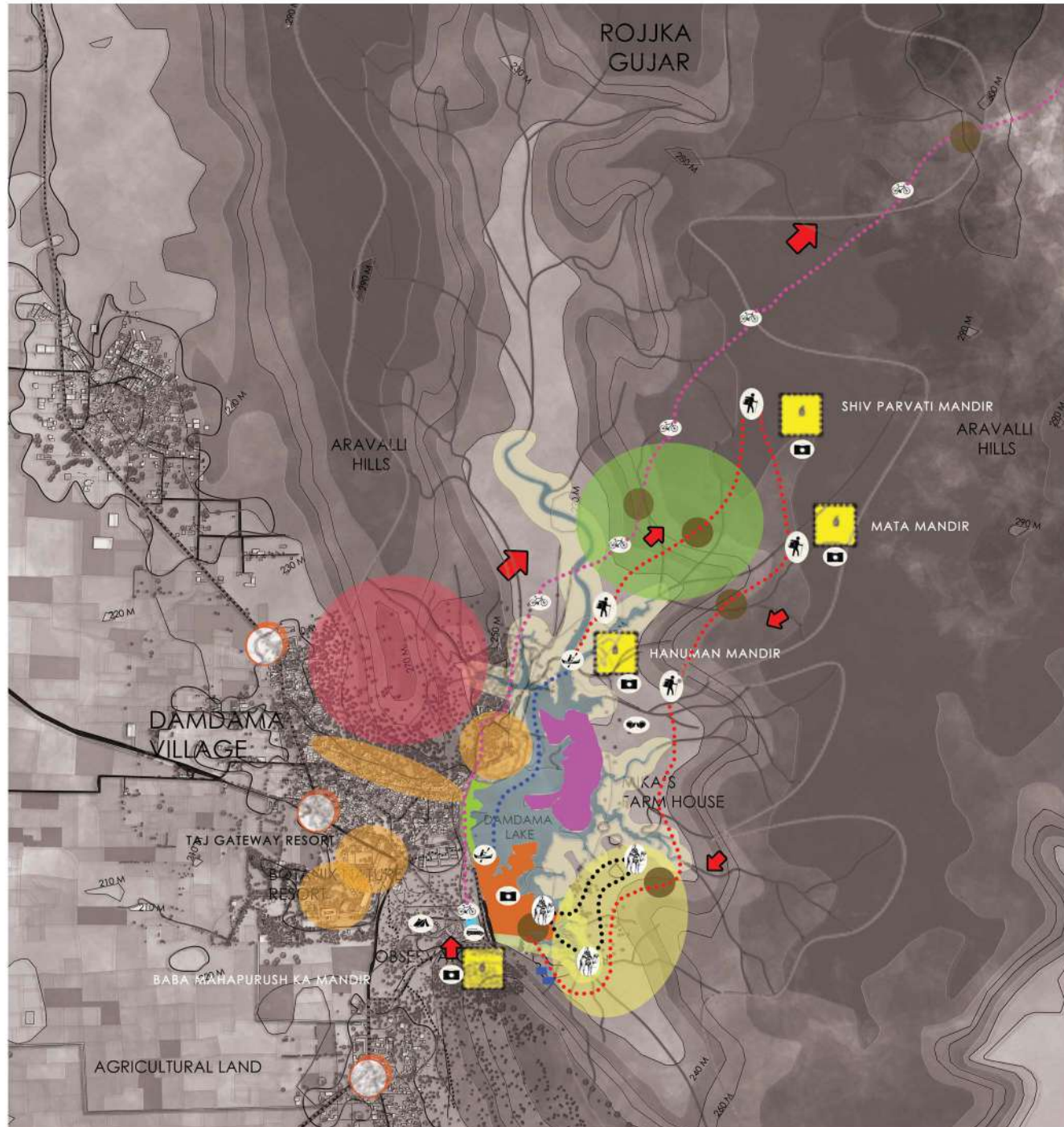


Brickwork Cement Plaster Houses , Thatch and Stick Houses with Mud Mortar , Brick and Mud Mortar Houses and Brickwork Cement Concrete can be seen in the villages near Damdama Lake

AR. PURNOOR K. & AR. WARISHA K.Z.

# REDEVELOPMENT OF DAMDAMA LAKE-2

## PROPOSED TOURISM PLAN



- TOURIST STAY AREAS
- ADVENTURE SPORTS AREA
- CAMEL RIDE AREA
- BIRD WATCH AREA
- CULTIVATION OF LOCAL MEDICINAL PLANTS
- CHECK POINT
- RELIGIOUS MONUMENTS
- MAIN LAKE SIDE AREA
- TOURIST INFORMATION CENTRE
- VERMICOMPOSTING UNIT
- BUFFER ZONE
- SIGNAGES
- TREKKING ROUTE - 3 TO 5KM
- CYCLING ROUTE

## Adventure Tourism (Conceptual Sketches)



Tyre Wall



Burma Plank Bridge



Highest Viewing Point



Zorbing



Zip Lining Starting Point



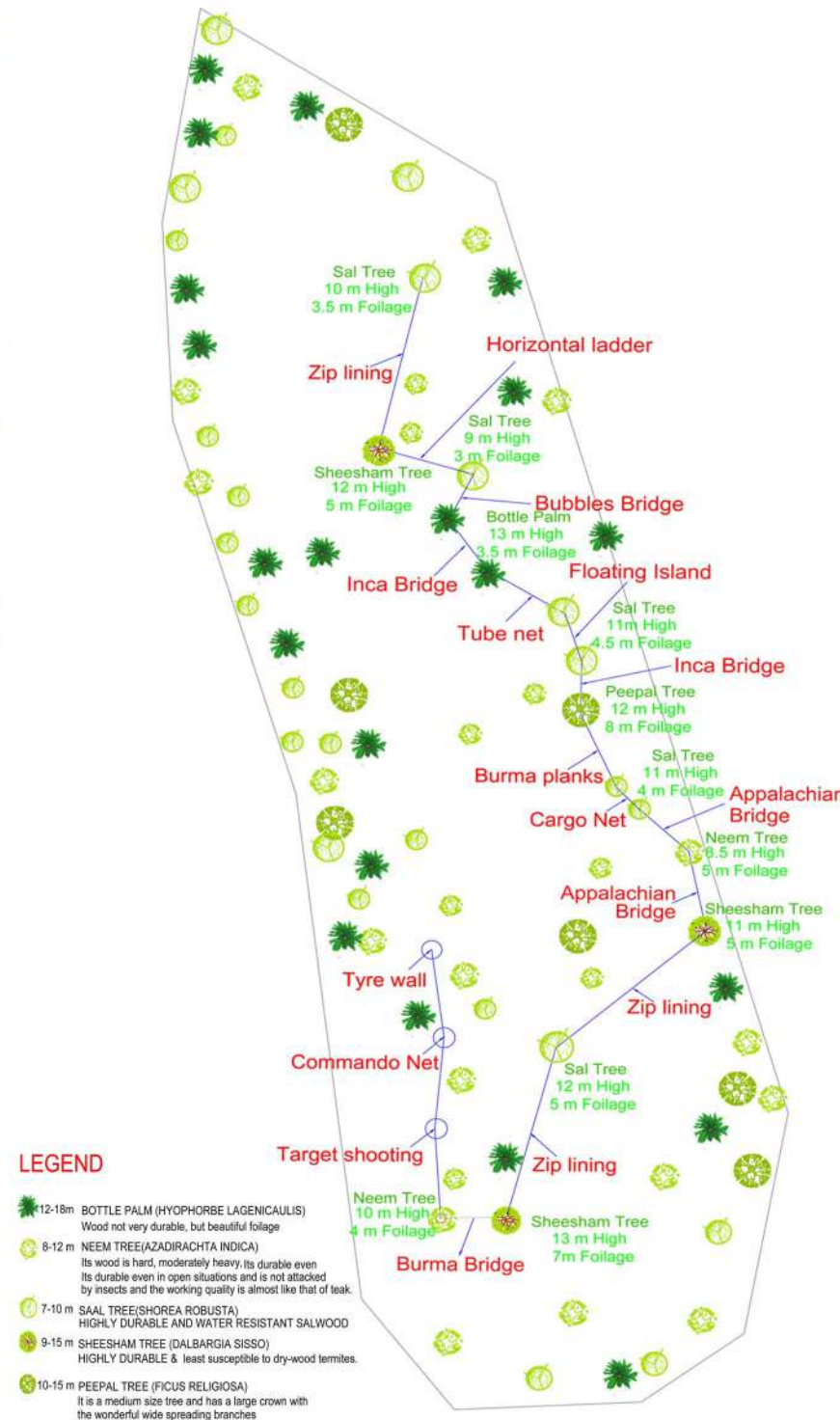
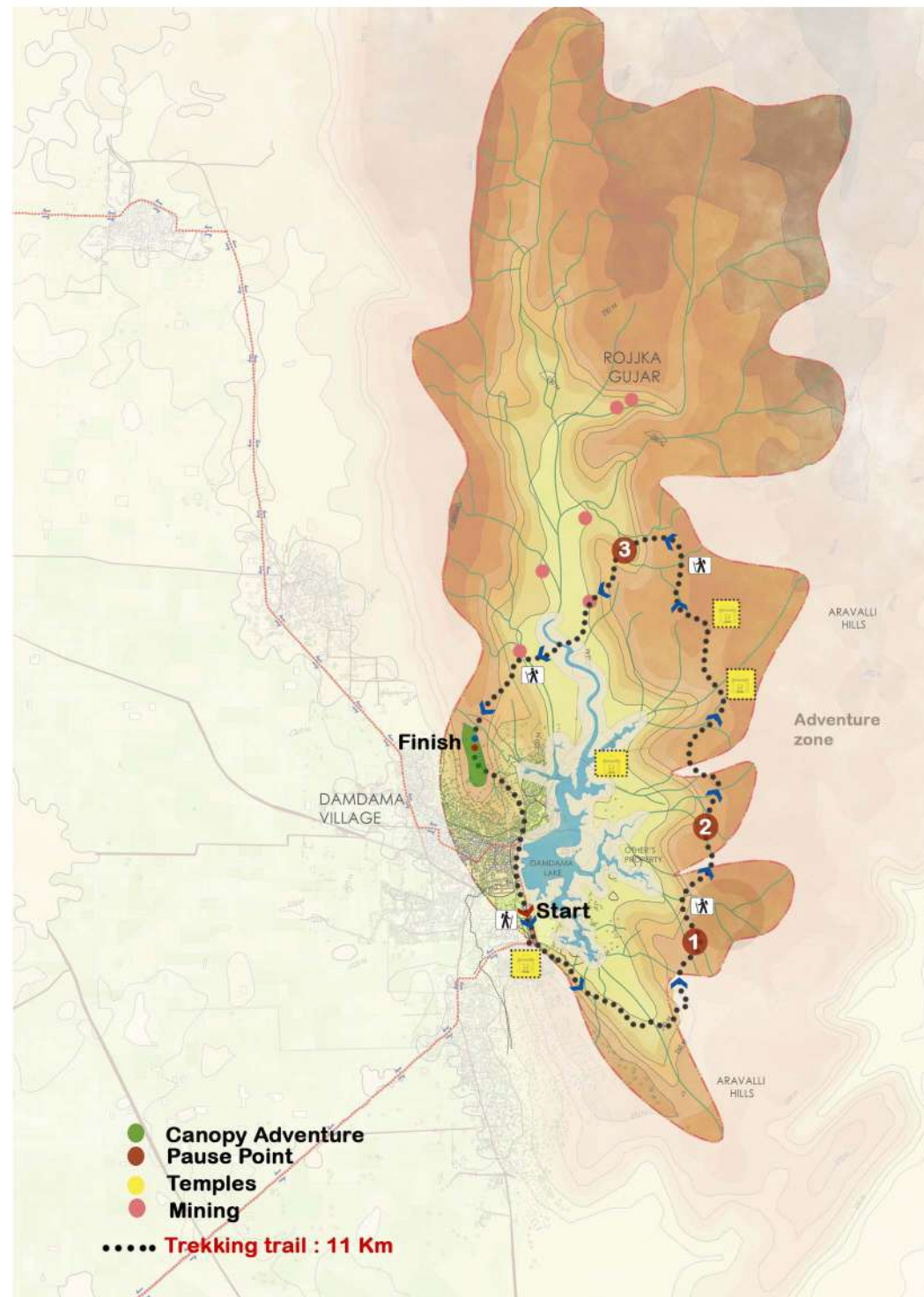
Zip Lining Ending Point

Damdama Lake and Aravalli Range both come under Eco-Sensitive Zones, therefore Eco-Tourism and Adventure Tourism were mainly proposed in the Tourism Plan. According to NWCP, till 50 M distance from the lake was not be constructed permanently, hence, only temporary structures were proposed.

AR. PURNOOR K. & AR. WARISHA K.Z.

# REDEVELOPMENT OF DAMDAMA LAKE-3

## ADVENTURE TOURISM (PROPOSAL)



CANOPY ADVENTURE PLAN



Pause Point 1



Pause Point 2



Pause Point 3



Wooden Bridge



Adventure Sports



Canopy Walk

Proposals: Providing pause points for Trekking Trail, Adventure Sports and creating Canopy Walks with the help of Existing trees.

AR. PURNOOR K. & AR. WARISHA K.Z.

# URBAN DESIGN - THE COMMUNITY CENTRE



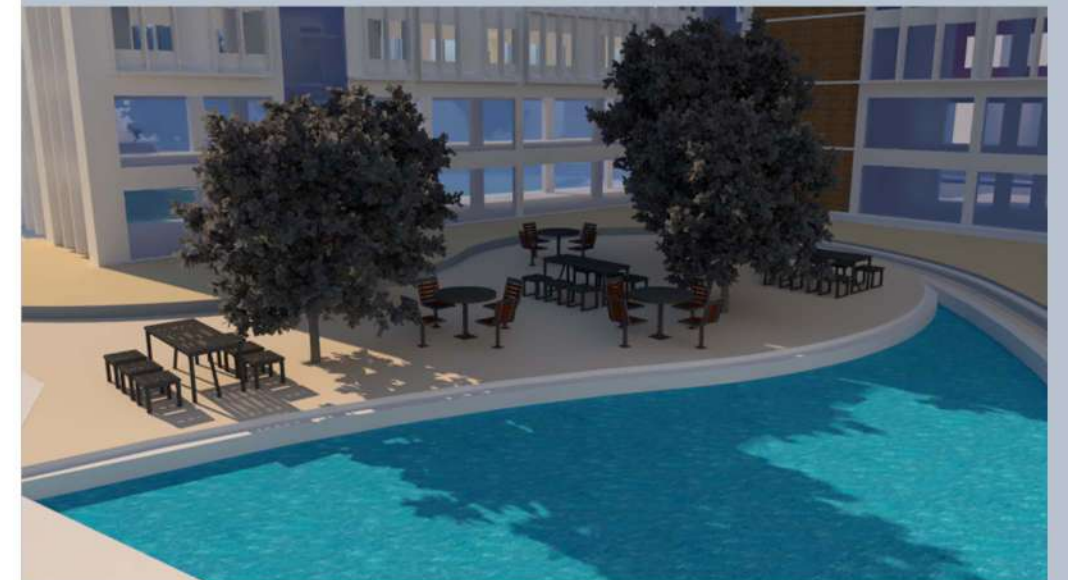
The community centre designed with large green spaces for locals



Stepped building facade creating a gateway form and terrace gardens



Shaded courtyards and walkways



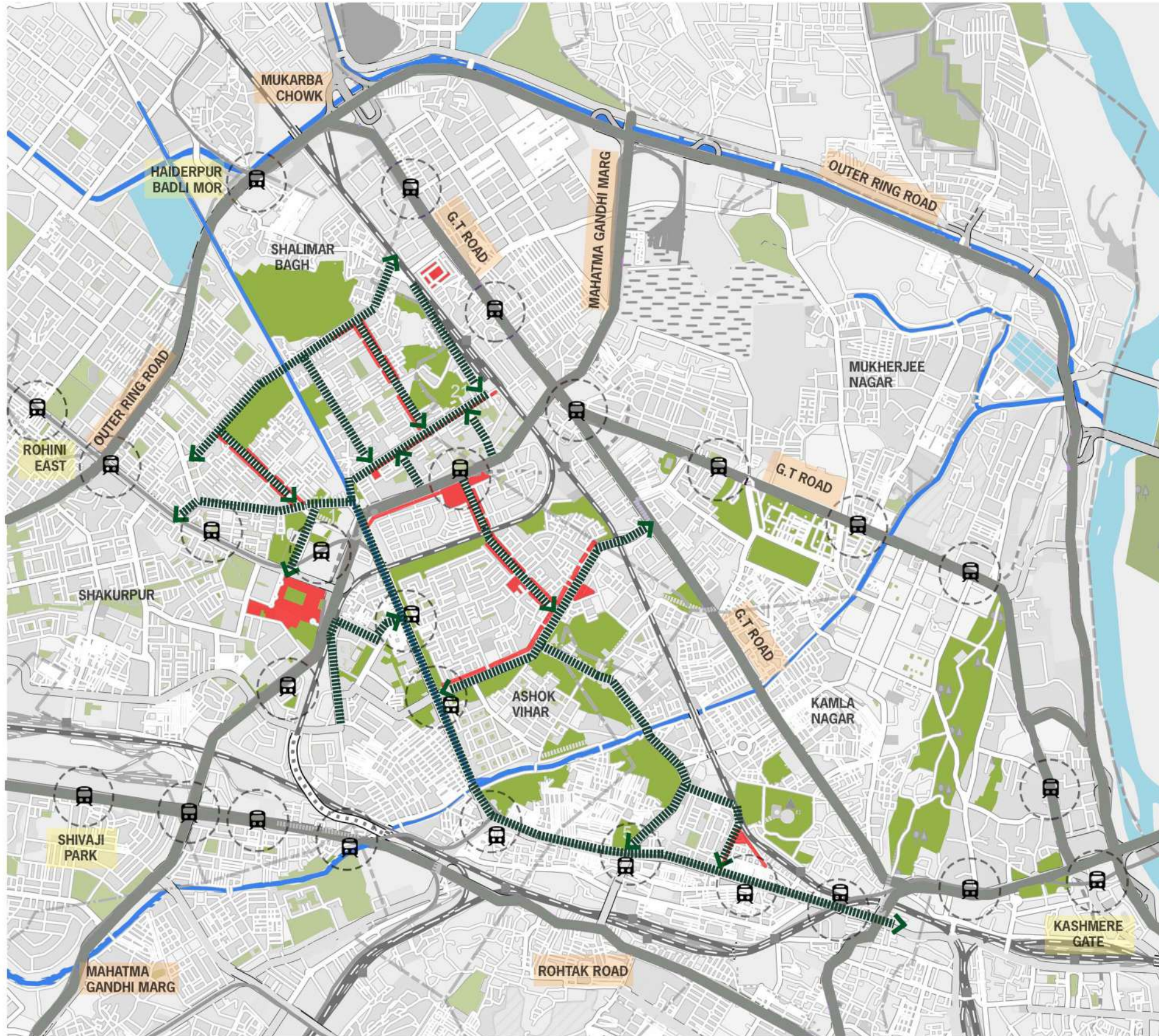
Water body in the courtyard with seating spaces



Green spaces with play mounds for children

AR.CHETNA GARG

# UD- STREETScape IN NORTHWEST DELHI



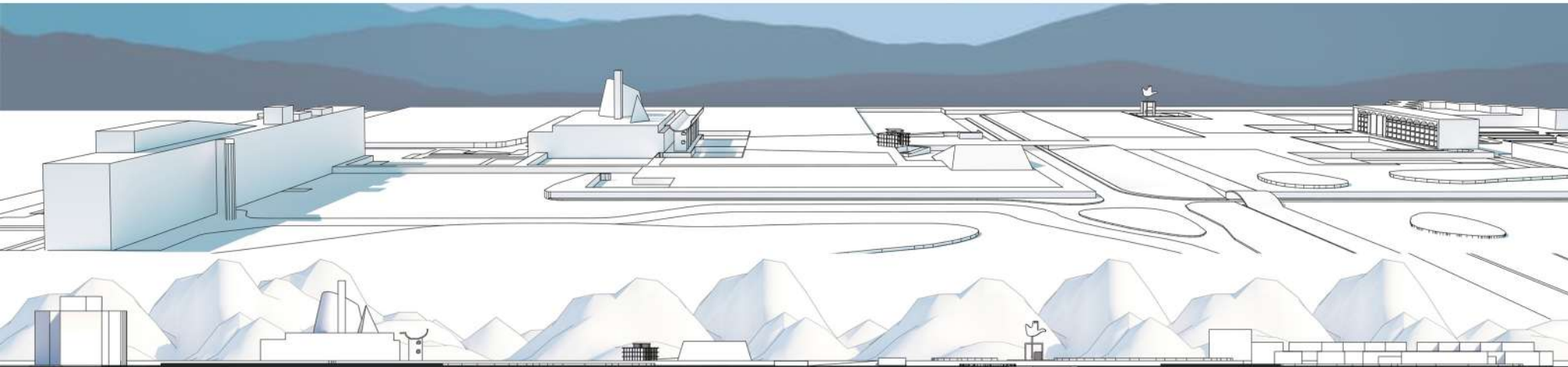
Vision plan for the streetscape of Northwest delhi

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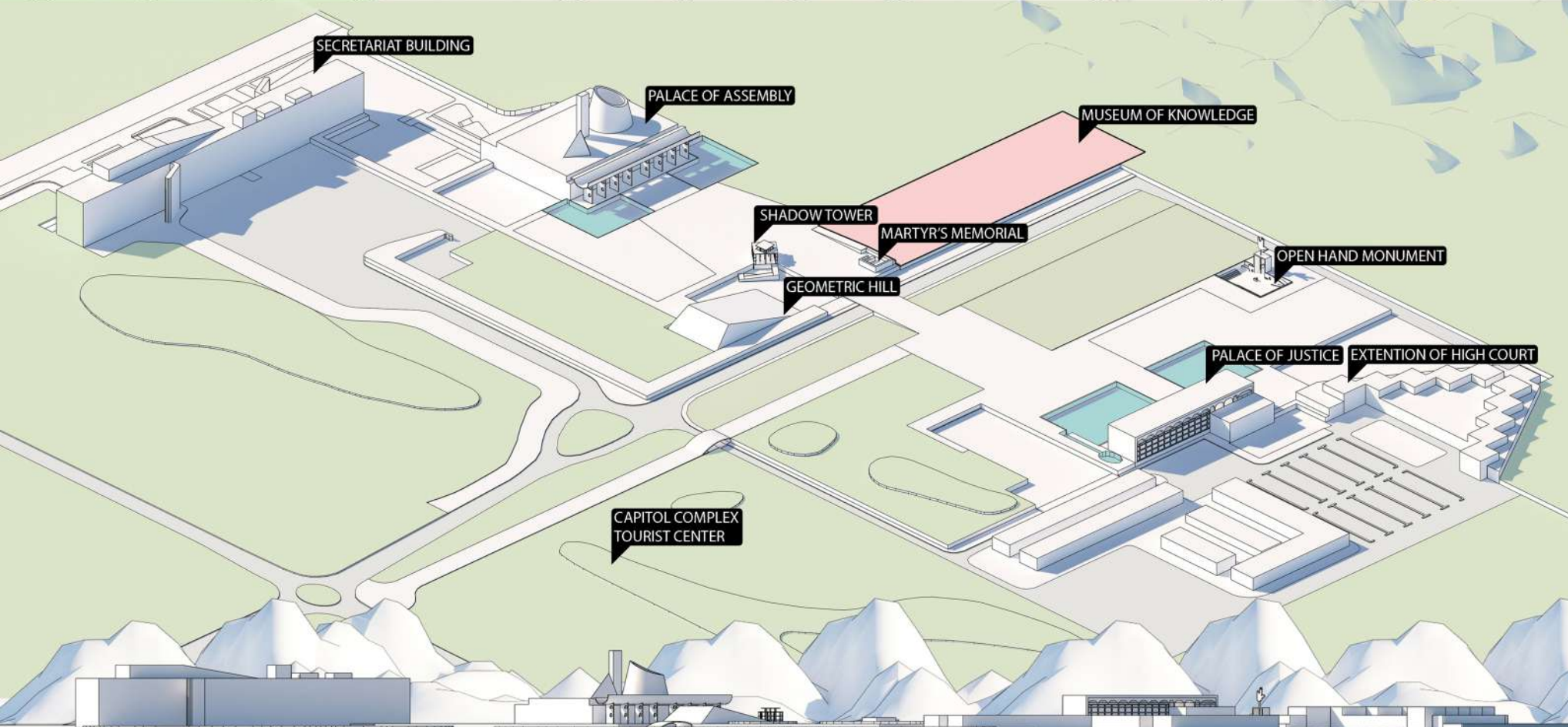
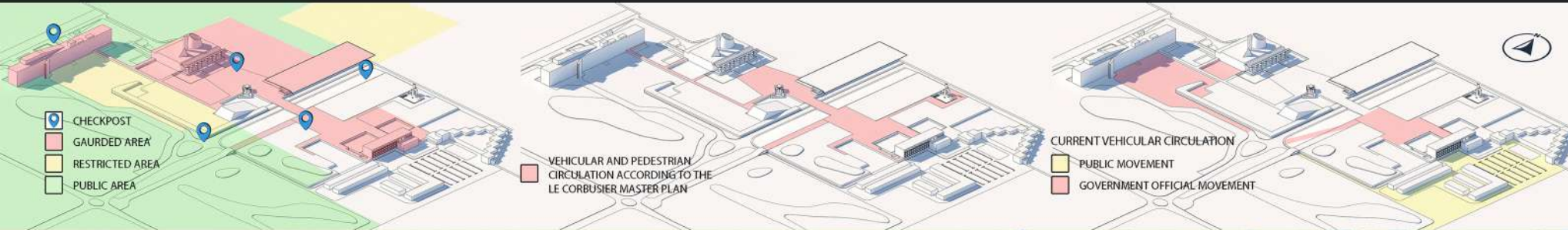


AR.CHETNA GARG UNDER THE GUIDANCE OF  
AR.VIKAS KANOJIA

# UD : MUSEUM OF KNOWLEDGE, CHANDIGARH

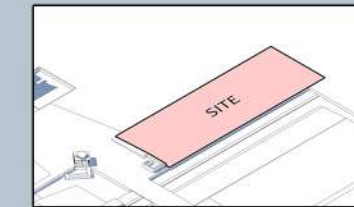


NORTH - EAST ELEVATION

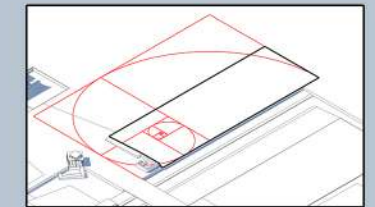


NORTH ELEVATION : CAPITOL COMPLEX, CHANDIGARH.

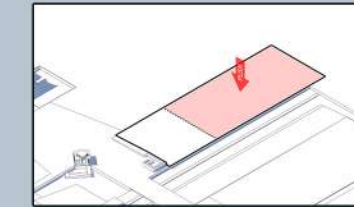
## DESIGN - DEVELOPMENT



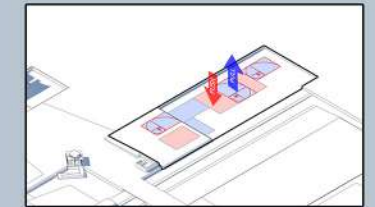
1. The Site - having dimensions 200X76 metres.



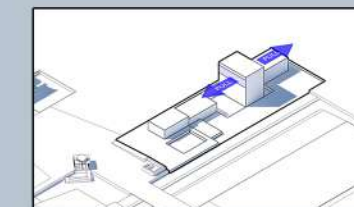
2. Golden ratio rule applied with in the site, further the Site is divided into two parts.



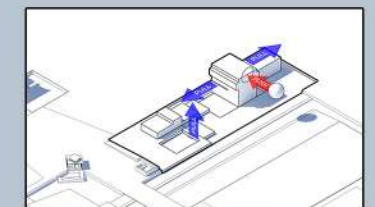
3. Major part of the site is excavated/push down.



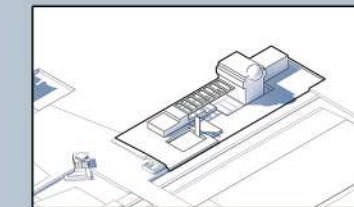
4. The mentioned Blue parts is pull-up and Red part is push-down to make different spaces.



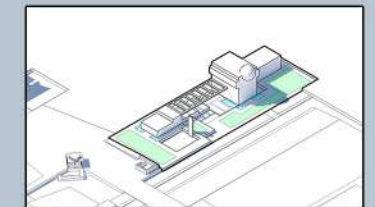
5. The mentioned blue parts is stretched out to the facades esthatically appealing.



6. The blue parts are pull-up and the red part is push back to make sky-frame/tower and globe.

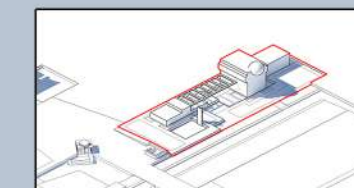


7. The basic Structure/Design of MoK.

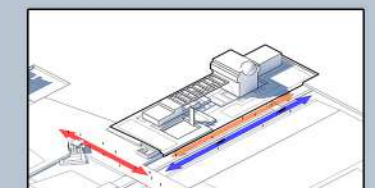


8. Topography and Open spaces.

## DESIGN - CONDITIONS



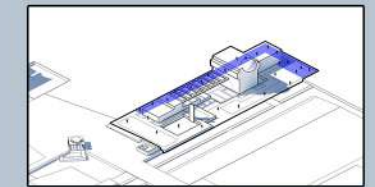
1. Site Boundaries



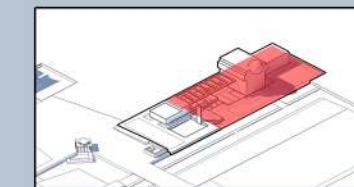
2. Movement - VIP Pedestrian vehicle



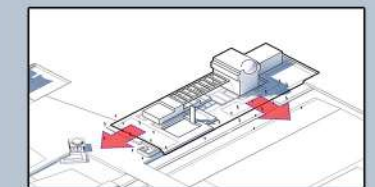
3. Rural South - Plenty of Sunlight in the open plaza.



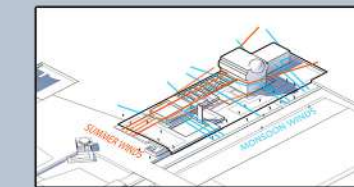
4. Urban North - Block alley creates an enclosed exhibition space.



5. Obstacles - Push Down the site till ground level to connect both span.



6. Visual connection and Physical connection.

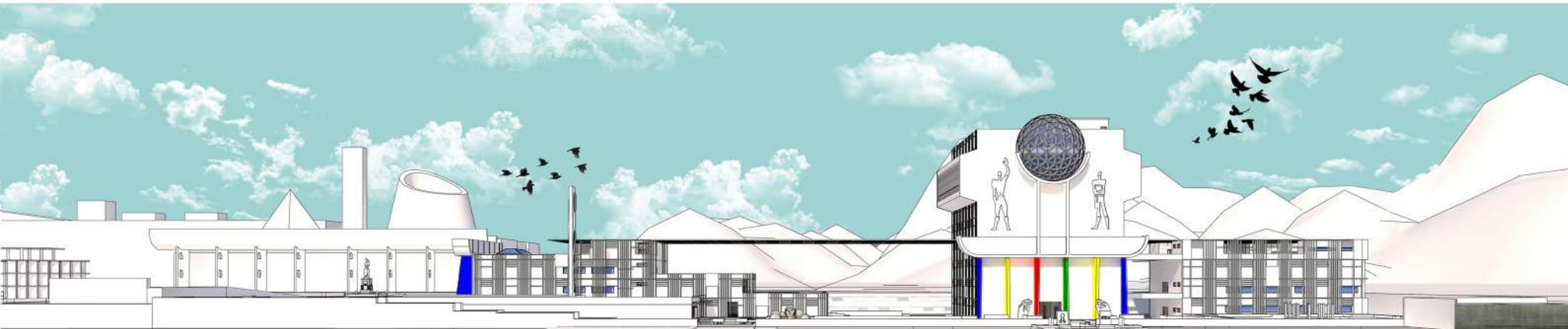


7. Wind Directions.

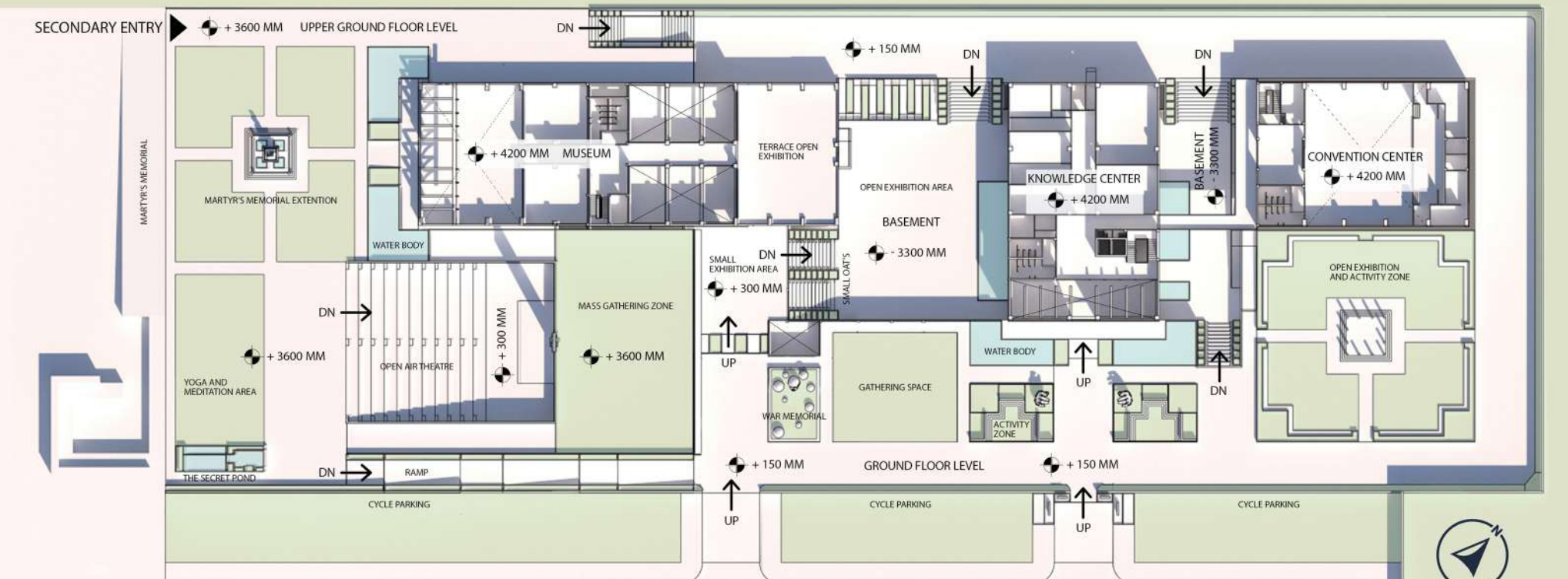


8. Topography and Open spaces.

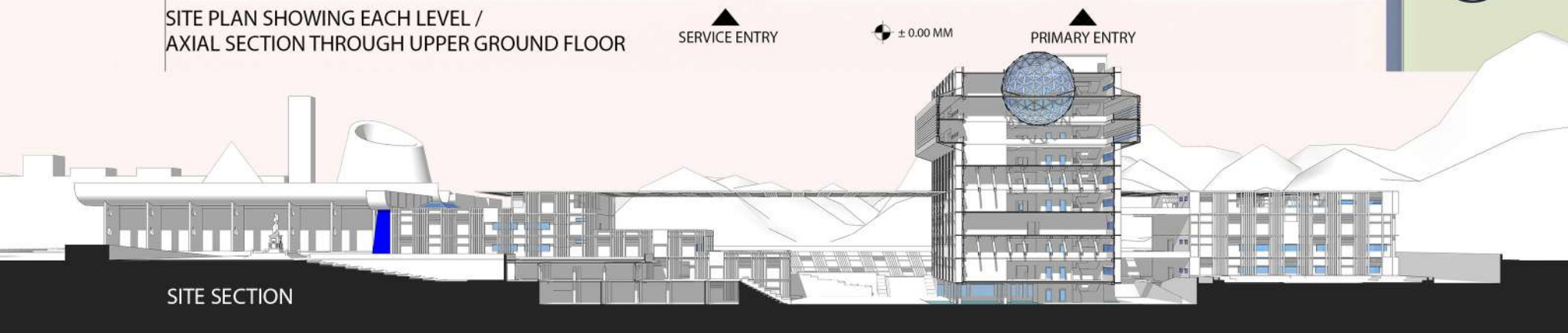
# UD : MUSEUM OF KNOWLEDGE, CHANDIGARH



NORTH - WEST ELEVATION



SITE PLAN SHOWING EACH LEVEL / AXIAL SECTION THROUGH UPPER GROUND FLOOR



SITE SECTION

## KNOWLEDGE CENTER:

Research and Development laboratories, Innovation Centers, Discussion rooms, Lecture halls, Seminar rooms, Digital library etc.

## MUSEUM:

Exhibition halls and galleries, Demonstration kiosks, Archives section, Ticketing counter, Information center, Storage etc.

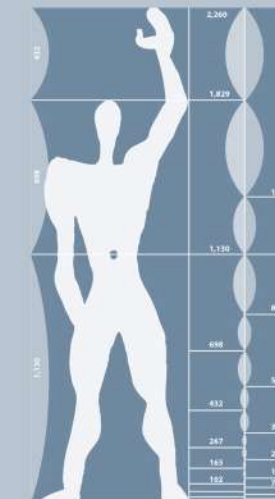
## MISCELLANEOUS:

Reception space, Administrative offices, Researchers' rooms, Conference halls, Multipurpose hall, Reference library, Restrooms, Service rooms etc.

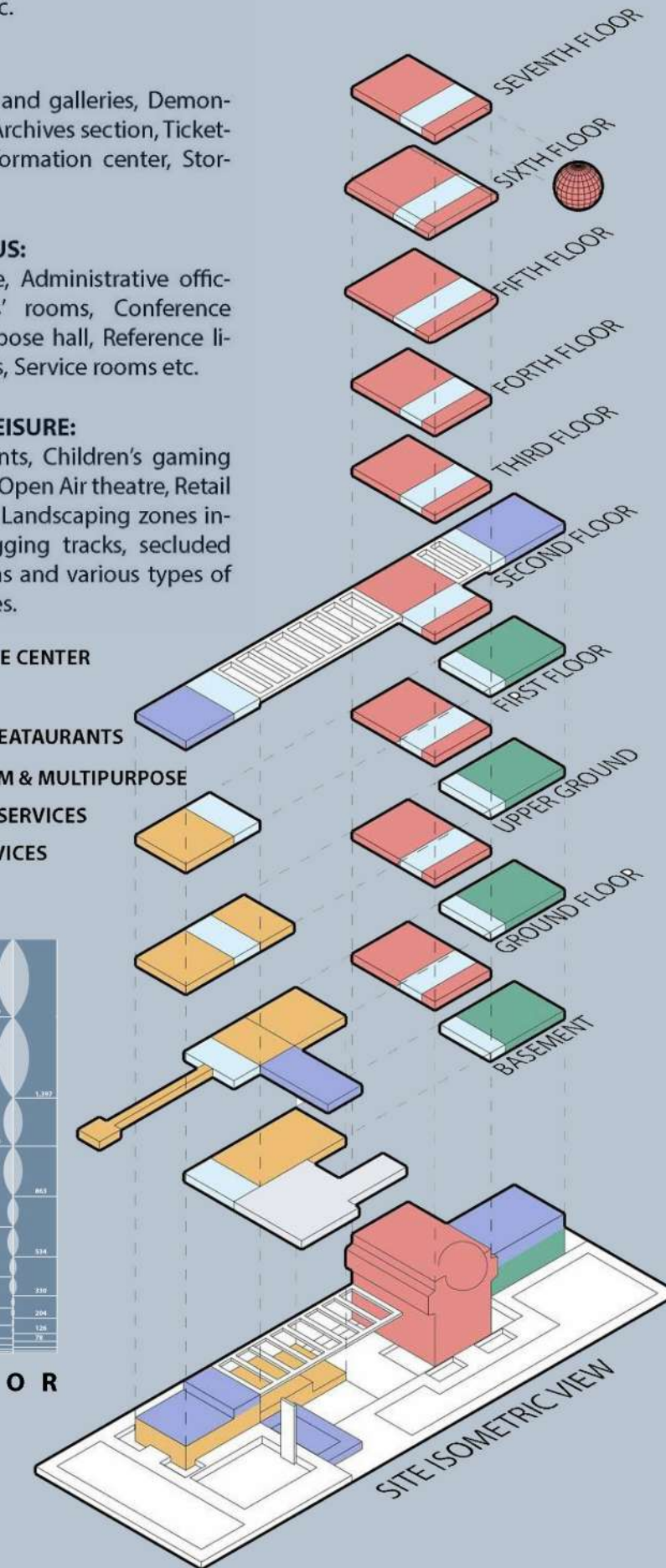
## SOCIAL AND LEISURE:

Cafes, Restaurants, Children's gaming and play zones, Open Air theatre, Retail and tuckshops, Landscaping zones incorporating jogging tracks, secluded meditation areas and various types of gathering spaces.

- KNOWLEDGE CENTER
- MUSEUM
- CANTEN/REATAURANTS
- AUDITORIUM & MULTIPURPOSE
- BASEMENT SERVICES
- FLOOR SERVICES



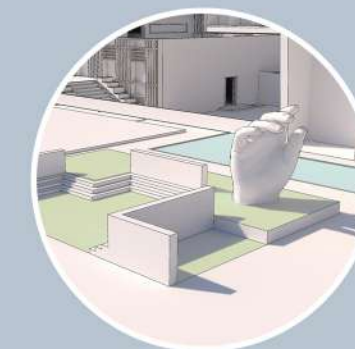
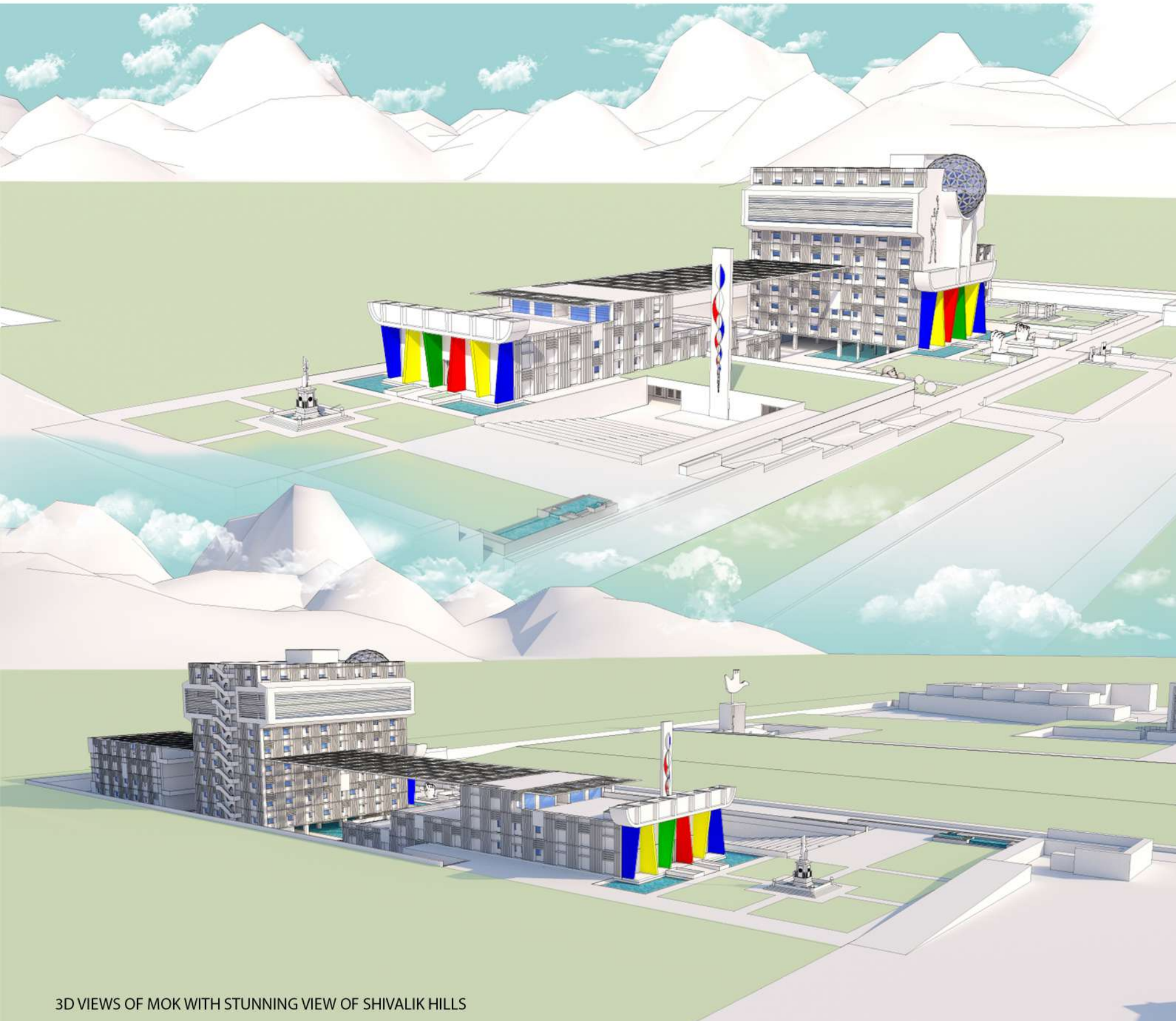
MODULOR



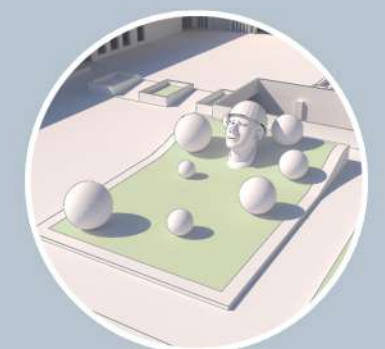
SITE ISOMETRIC VIEW



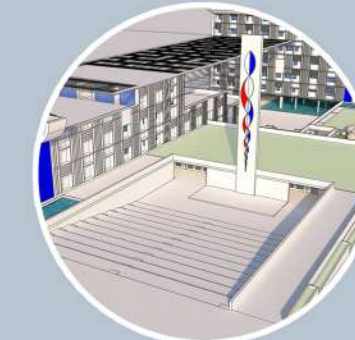
# UD : MUSEUM OF KNOWLEDGE, CHANDIGARH



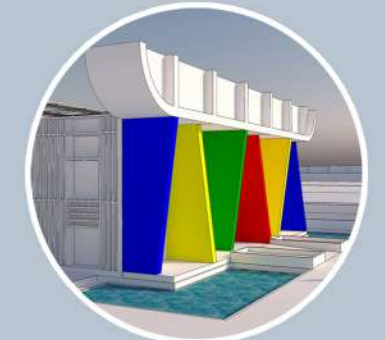
ACTIVITY AREA AND HAND SCULPTURE



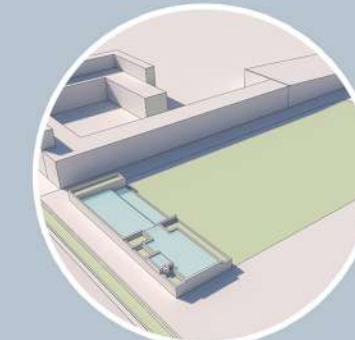
WAR MEMORIAL



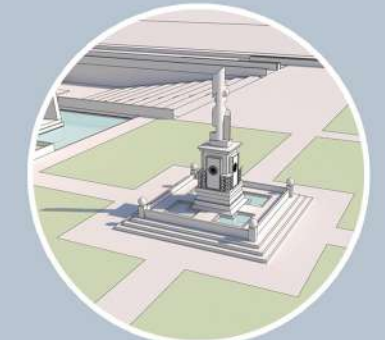
OPEN AIR THEATRE



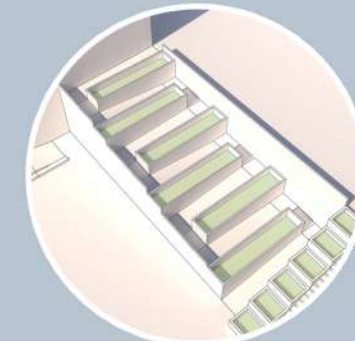
PYLONS ON FACADE



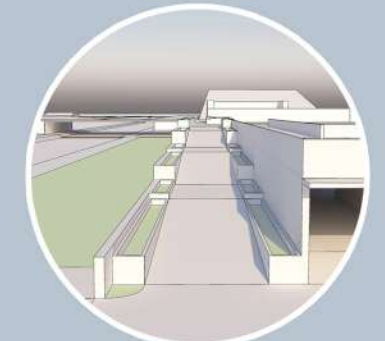
SECRET POND AND YOGA GROUND



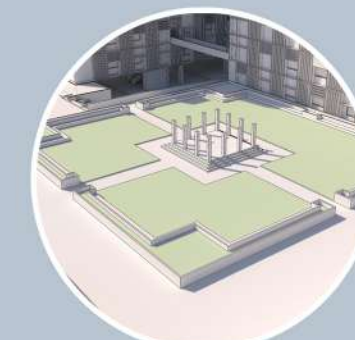
EXTENTION OF MARTYR'S MEMORIAL



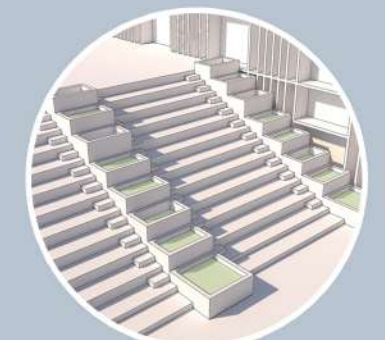
RAMP CONNECTING BASEMENT AND GROUND FLOOR



RAMP CONNECTING BASEMENT AND GROUND FLOOR



OPEN EXHIBITION AND ACTIVITY ZONE



SMALL OAT AND ACTIVITY AREA

# FASHION HUB(MAIDAN GARHI, DELHI)



SITE PLAN



SITE ELEVATION

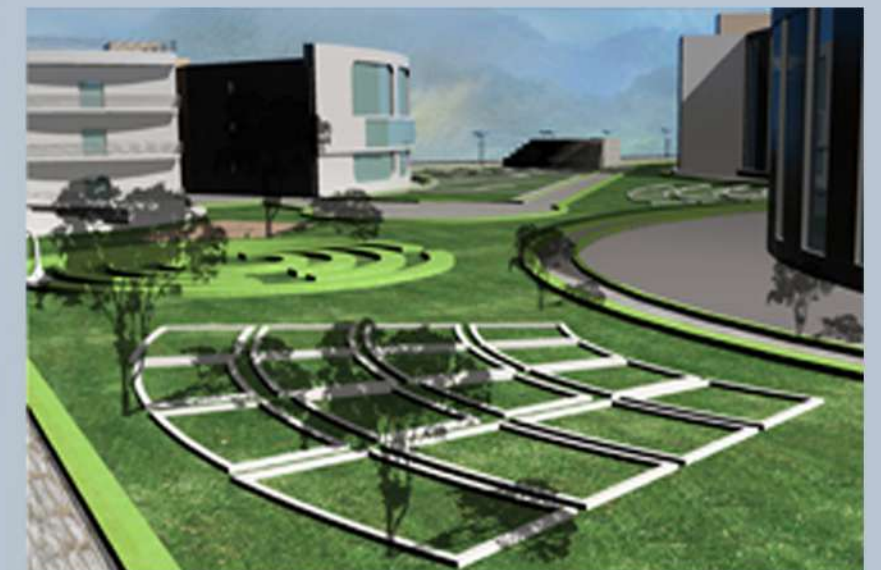
## LANDSCAPING FEATURES



FASHION HAAT



FRONT OF PRIVATE SPACES

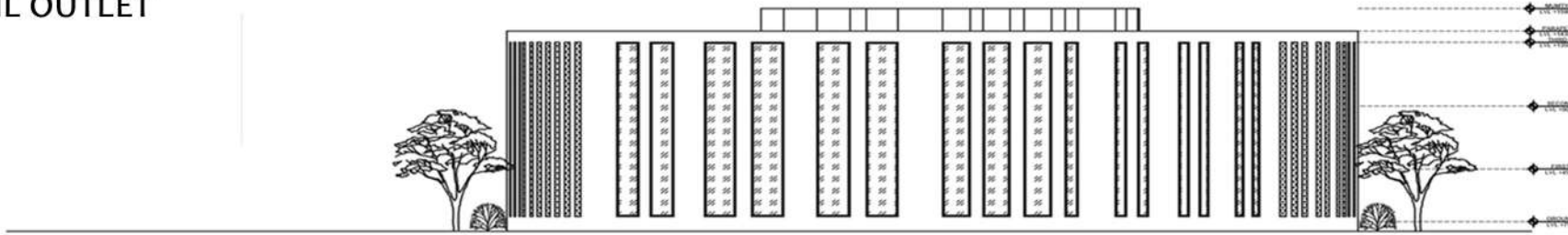


NEAR DESIGN PAVILION

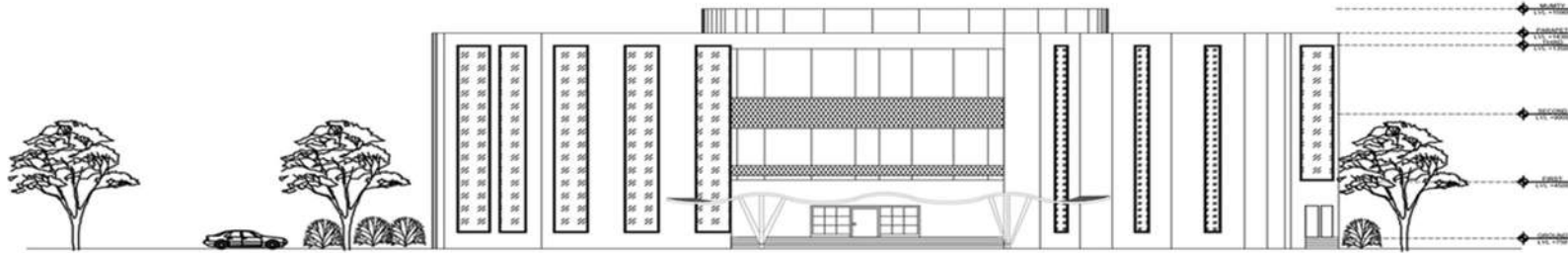
AR. PURNOOR K.

# FASHION HUB (MAIDAN GARHI, DELHI)

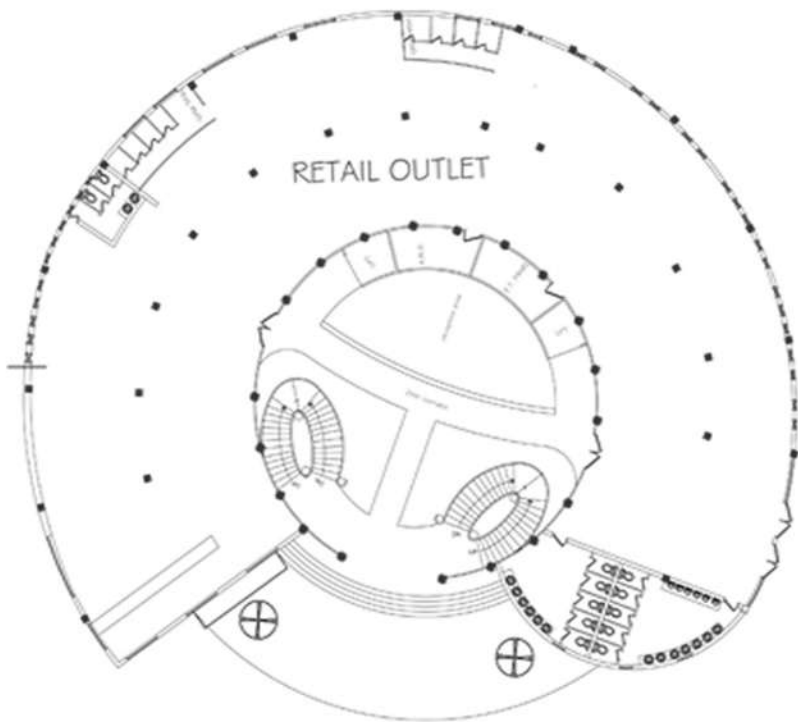
FOOD COURT  
&  
RETAIL OUTLET



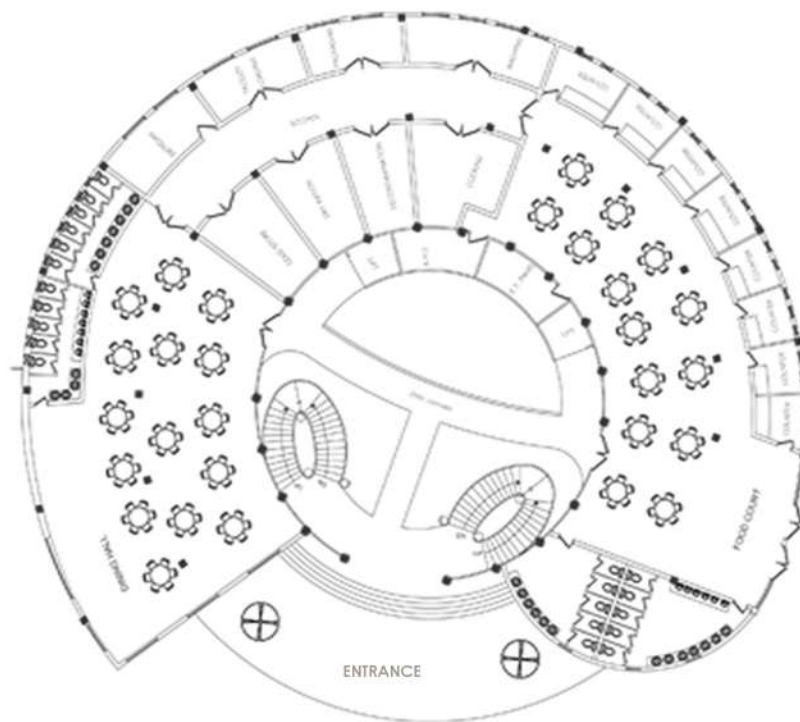
Back Elevation



Front Elevation



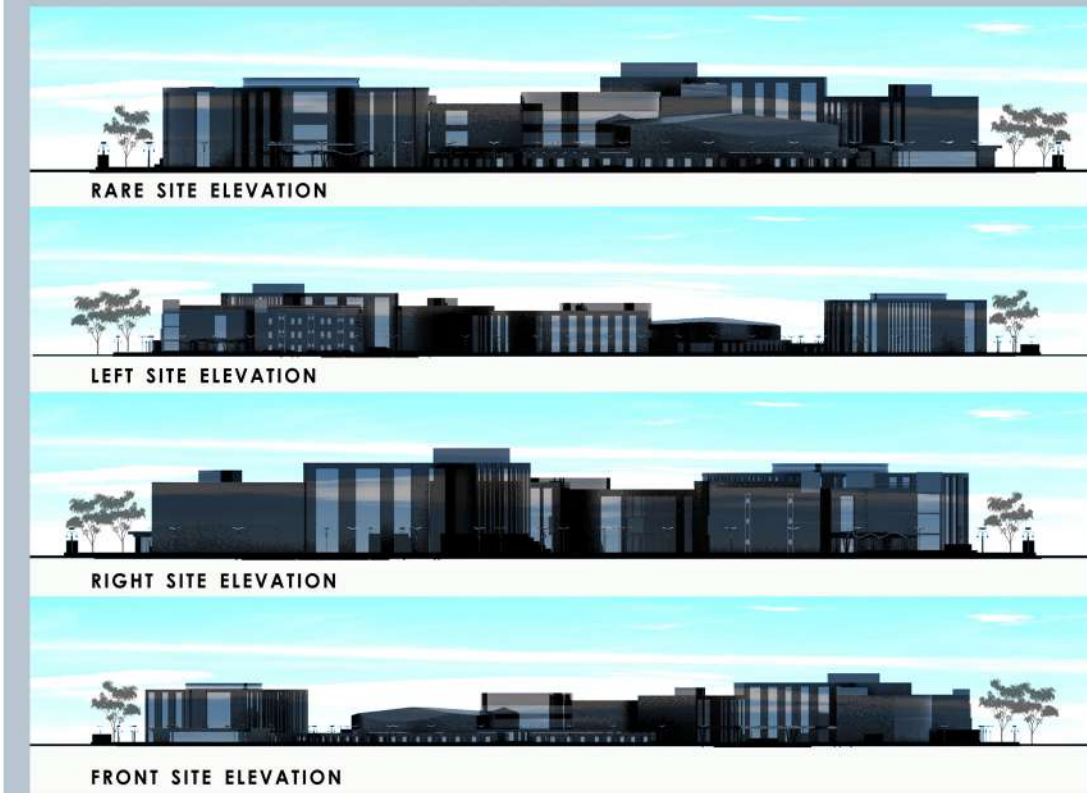
First and Second Floor



Ground Floor



FRONT BIRD EYE VIEW



AR. PURNOOR K.

# ARCHITECTURE - QUARANTINE FACILITY DESIGN



The Quarantine centre designed on the concept of healing architecture



The entrance plaza with pergolas and an inviting warm waiting space

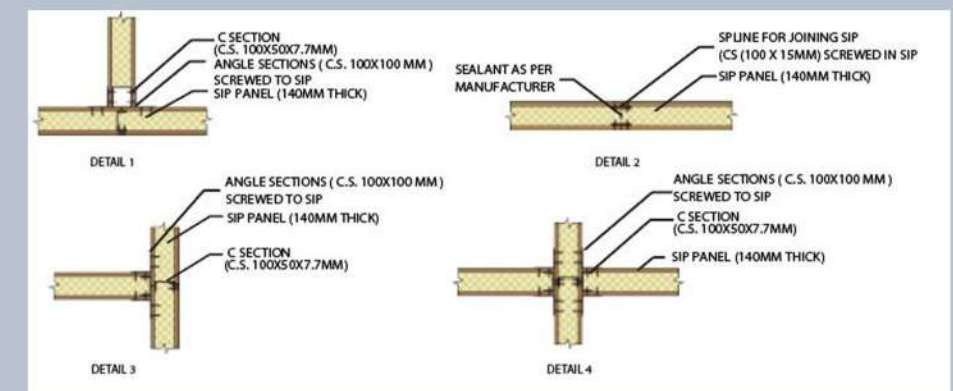
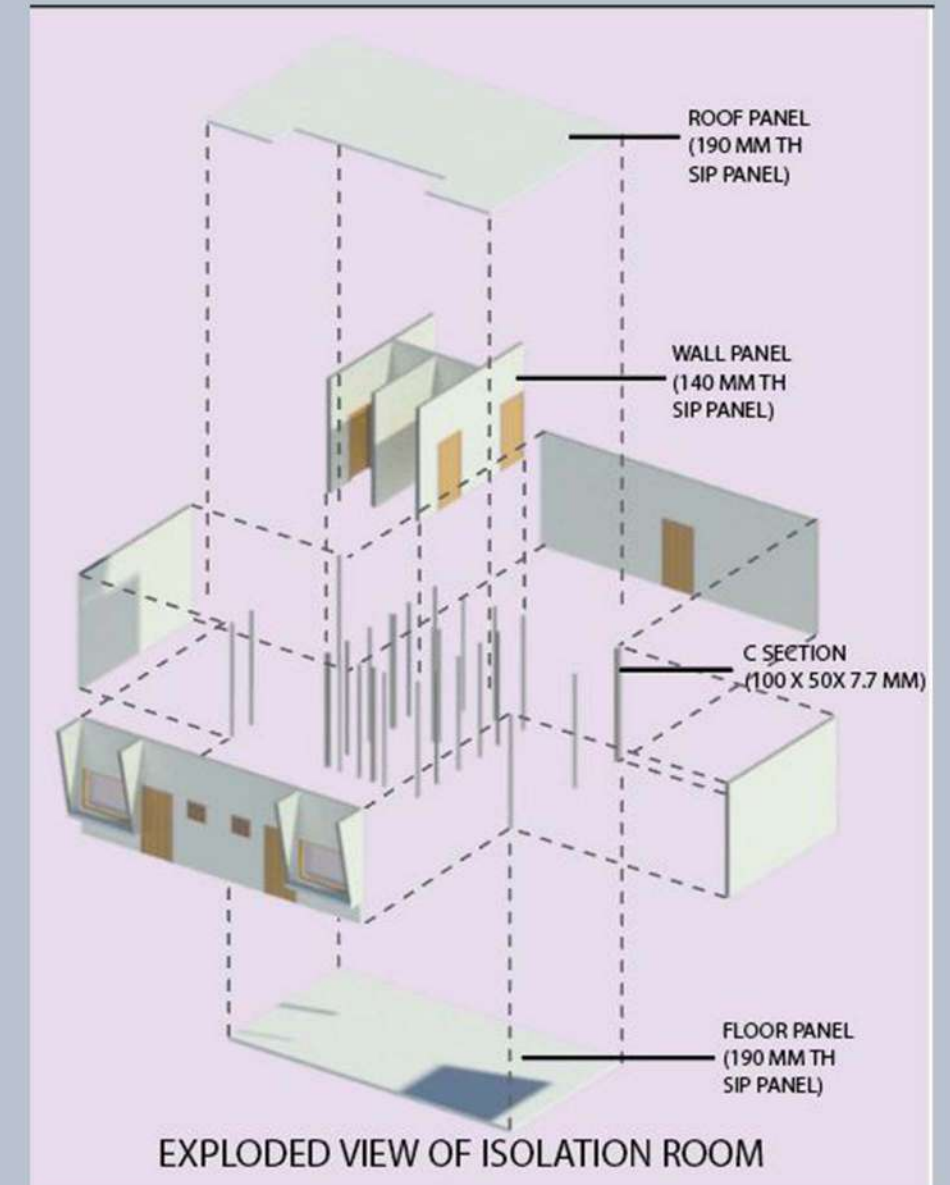


Bay windows designed like shaded seating for patients in isolation



Green spaces designed for mental and physical wellbeing of patients

# ARCHITECTURE - QUARANTINE FACILITY DESIGN



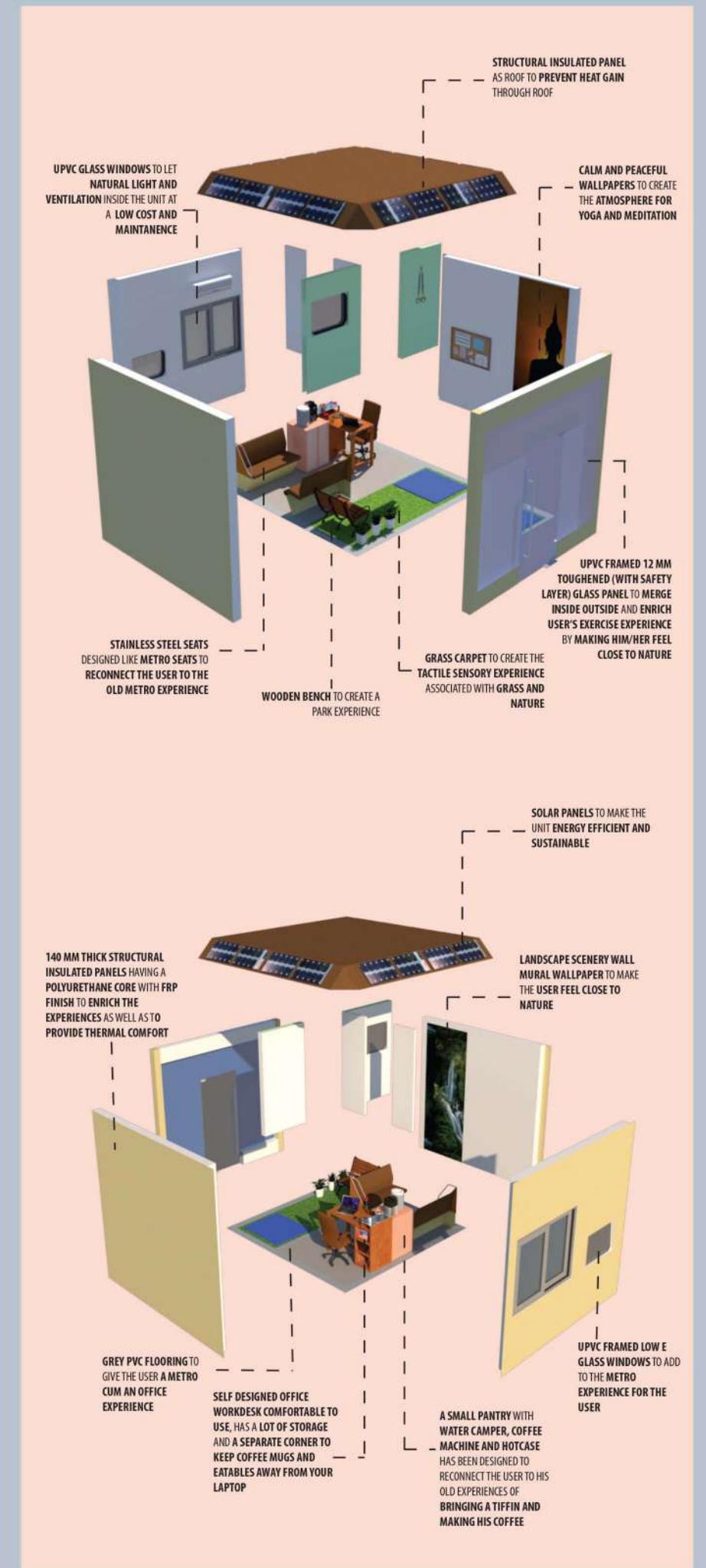
**Construction details of the wall panels**

AR.CHETNA GARG

# ARCHITECTURE - THE 'EX'POD DESIGN



Ex- Pod designed as an experiential work from home office with green exercise zone



# INTERIOR DESIGN

Interior designing is no more a luxury, it has become a necessity. The utility and the functionality of interior design helps to make the best use of every corner. The design investment in your home should stand the proof of time. We prefer clean elegance, comfortable living and quality interiors with an outdoor influence.

Gallant Interior designs projects have spanned over 3 decades. It has been distinguished with awards and has received testimonials from clients that include corporate, residential, hospitality and retail customers. Our extensive portfolio showcases the achievements and points to a reputation that distinguishes our leadership role in the industry.

Gallant Orbit also provides all the corporate furniture range under one roof that matches your choice and lifestyle. Our approach is to focus on minimal and classic look of the furniture. We emphasize on clean lines and



# INTERIORS RESIDENTIAL





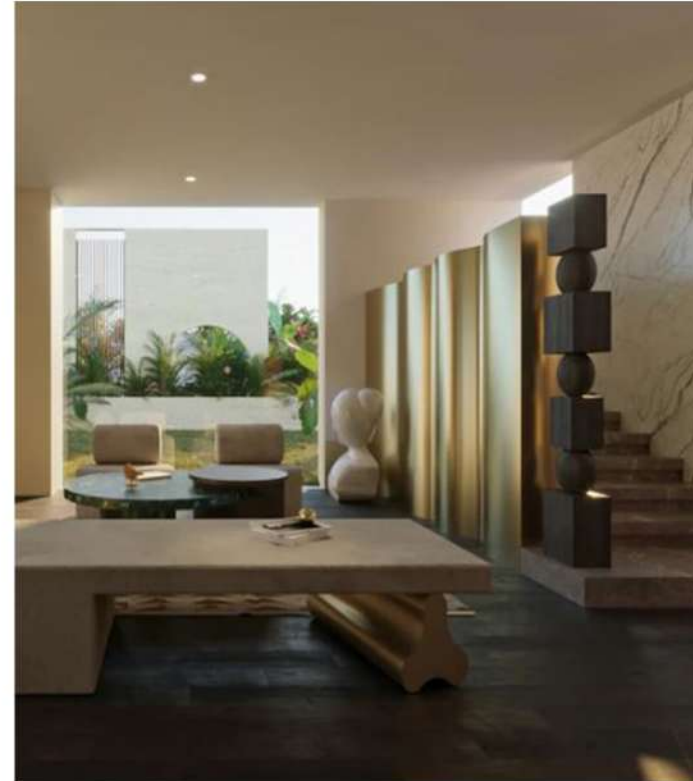
# INTERIORS RESIDENTIAL



# INTERIORS RESIDENTIAL



# INTERIORS RESIDENTIAL



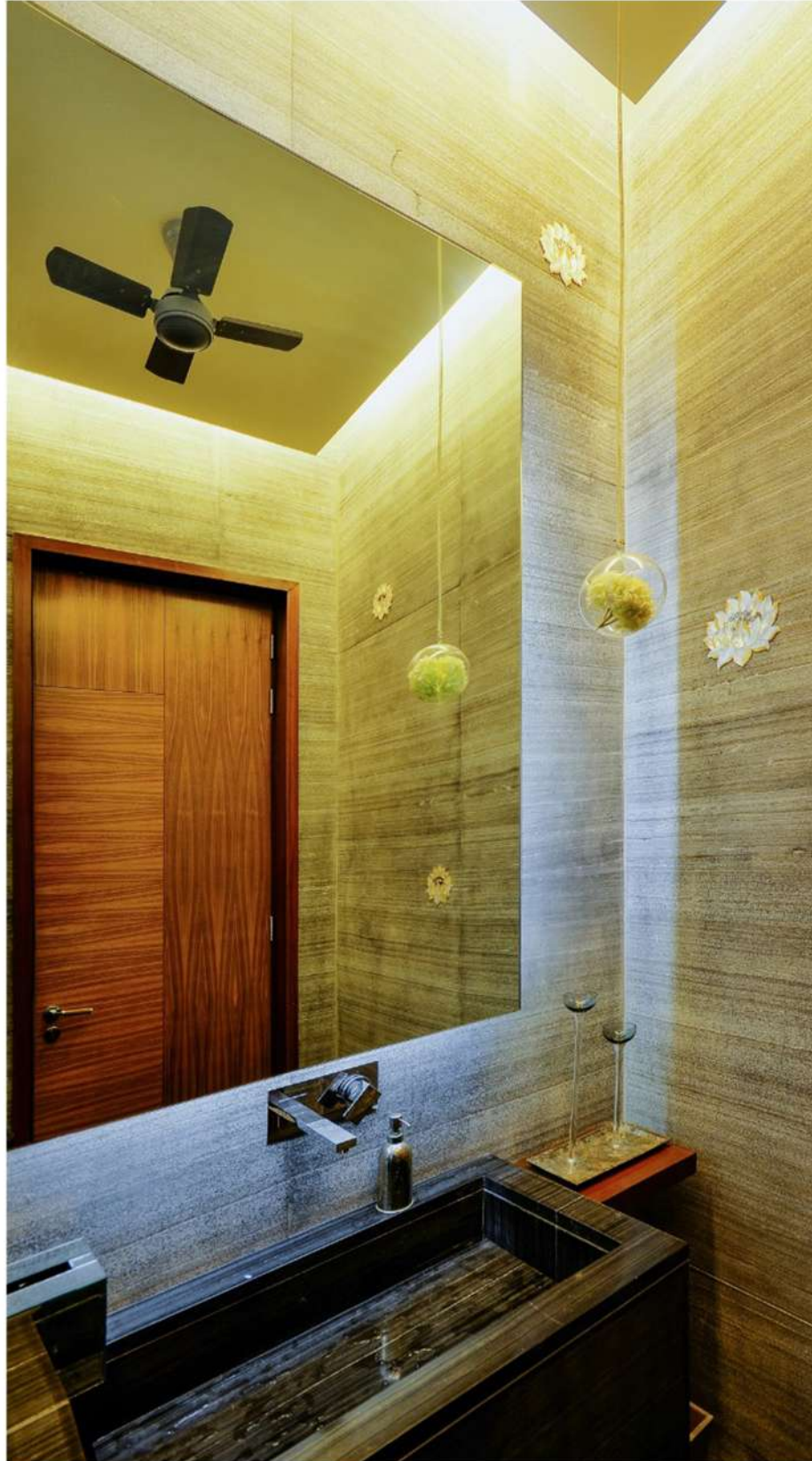
# INTERIORS : NEPAL PROJECT



# INTERIORS : NEPAL PROJECT



# INTERIORS : NEETI BAGH



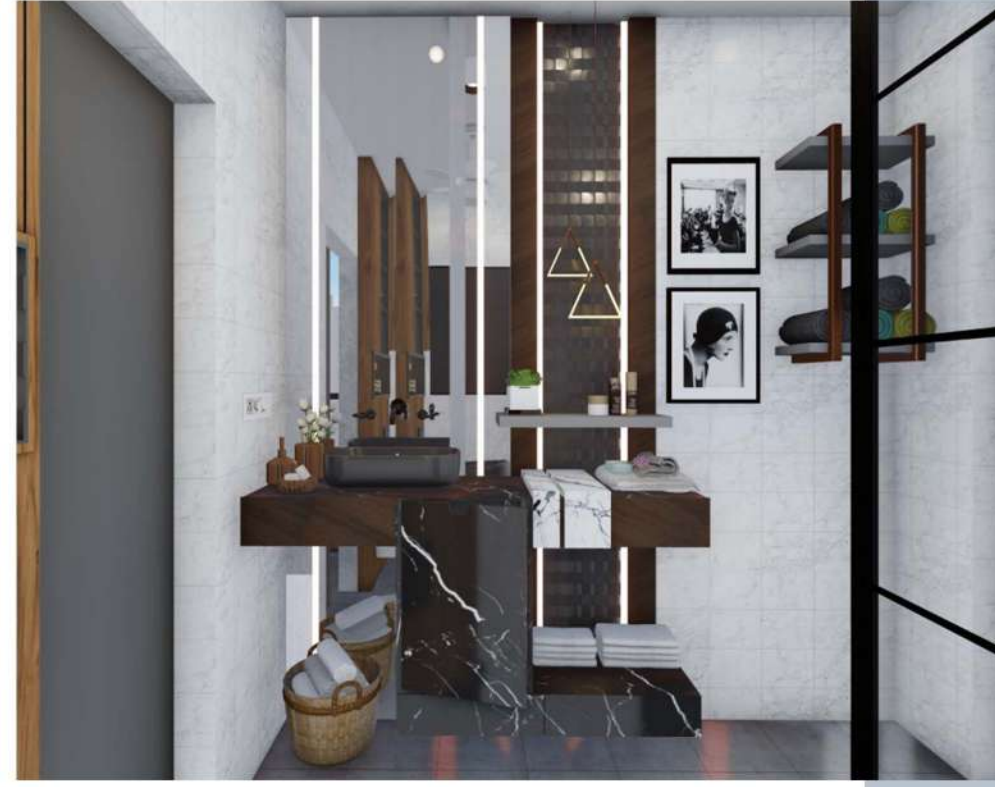
Ar. WARISHA (Under Ar. DEEPANJALI)

# INTERIORS : NEETI BAGH



Ar. WARISHA (Under Ar. DEEPANJALI)

# INTERIOR DESIGN : WASHROOM



AR. WARISHA



# INTERIOR DESIGN : KID'S BEDROOM



# INTERIOR DESIGN : BEDROOM



AR. WARISHA

# INTERIOR DESIGN : WASHROOM



AR. WARISHA

# INTERIOR DESIGN : LIVING CUM DINNING

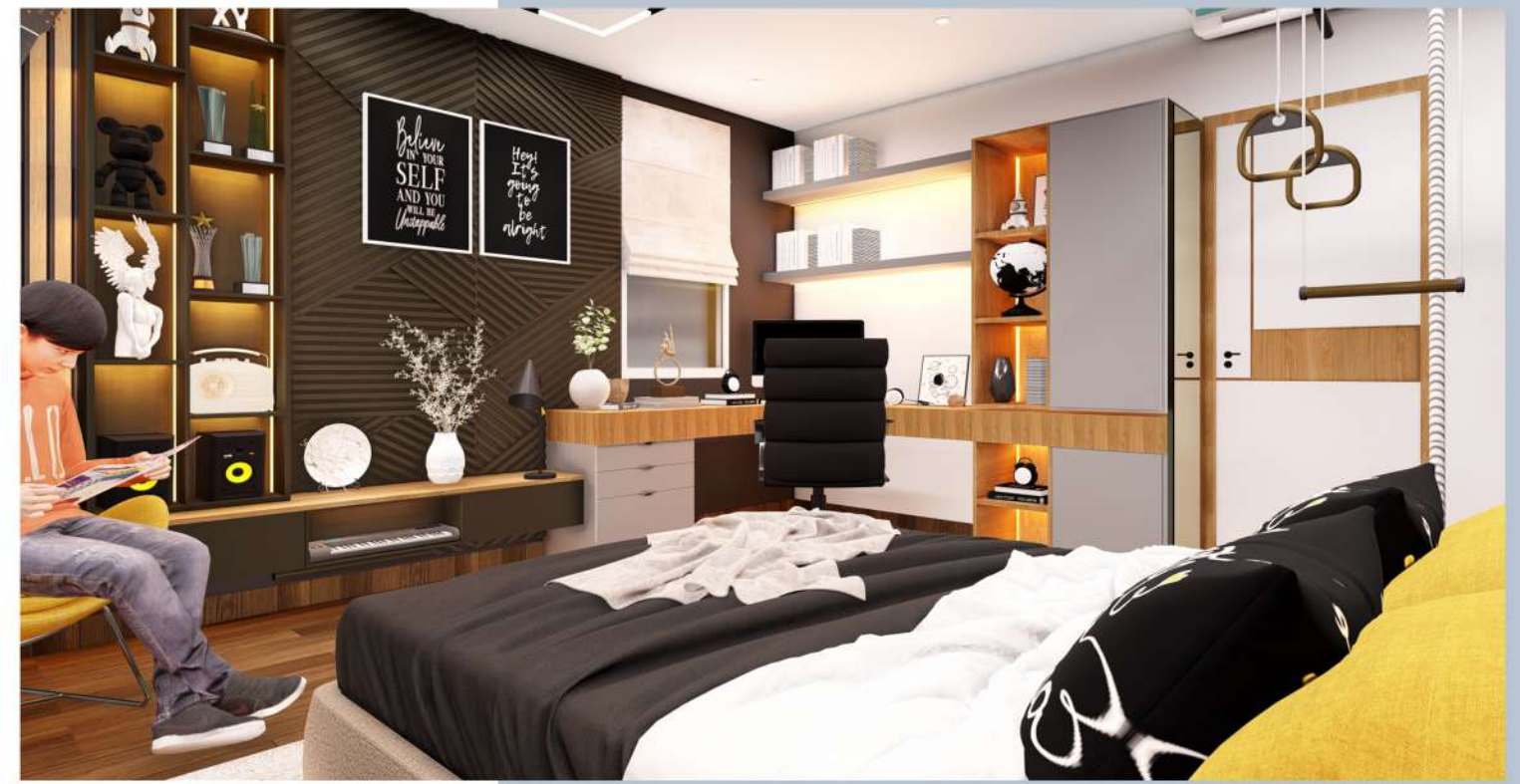


# INTERIOR DESIGN : BEDROOM



ID-VIVEK (Under Ar. WARISHA)

# INTERIOR DESIGN : BEDROOM



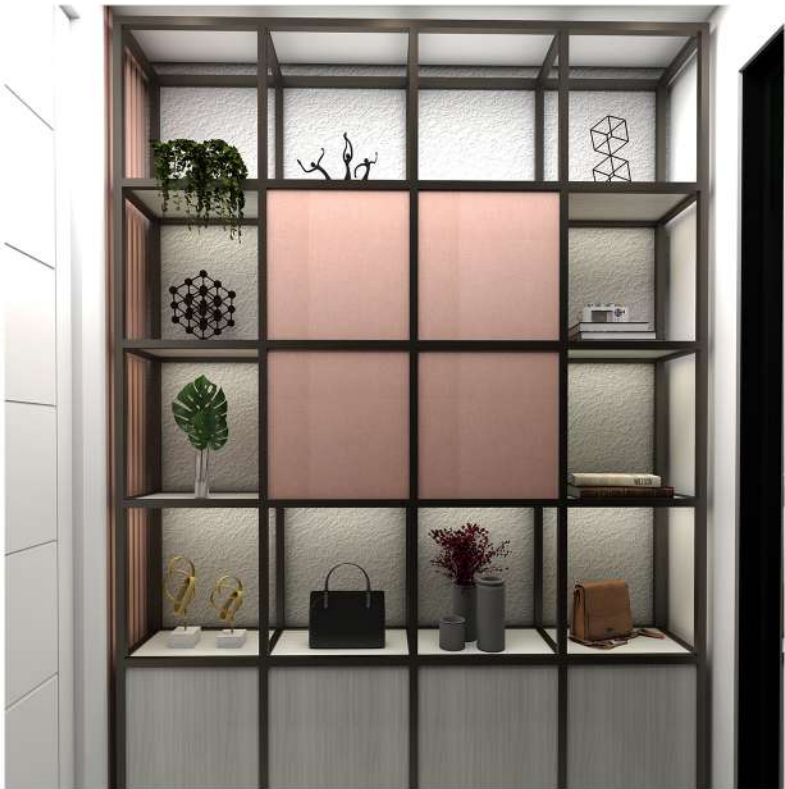
ID-MANISH (Under AR.WARISHA)

# INTERIOR DESIGN : BEDROOM



ID-MANISH (Under Ar. WARISHA)

# INTERIOR DESIGN : BATHROOM



ID-MANISH (Under AR.WARISHA)



# INTERIOR DESIGN : BEDROOM



ID-MANISH (Under Ar. WARISHA)

# INTERIOR DESIGN : LIVING CUM DINING



ID-MANISH (Under AR.WARISHA)

# INTERIOR DESIGN : BEDROOM



ID-VIVEK (Under AR.WARISHA)

# INTERIOR DESIGN : LIVING



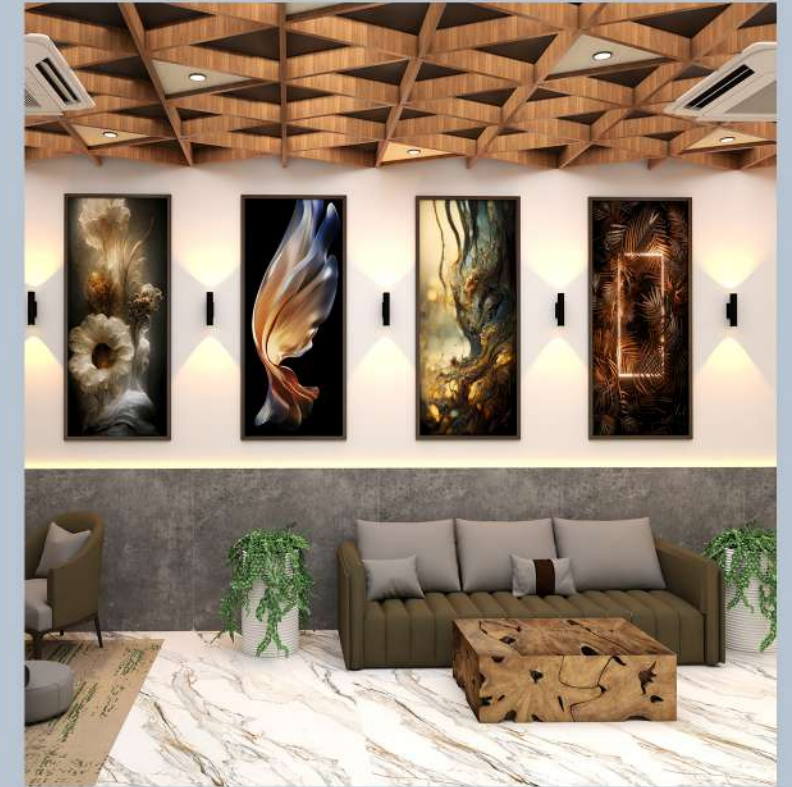
ID-MANISH (Under AR.WARISHA)

# INTERIOR DESIGN : KITCHEN



ID-VIVEK (Under AR.WARISHA)

# INTERIOR DESIGN : TERRACE



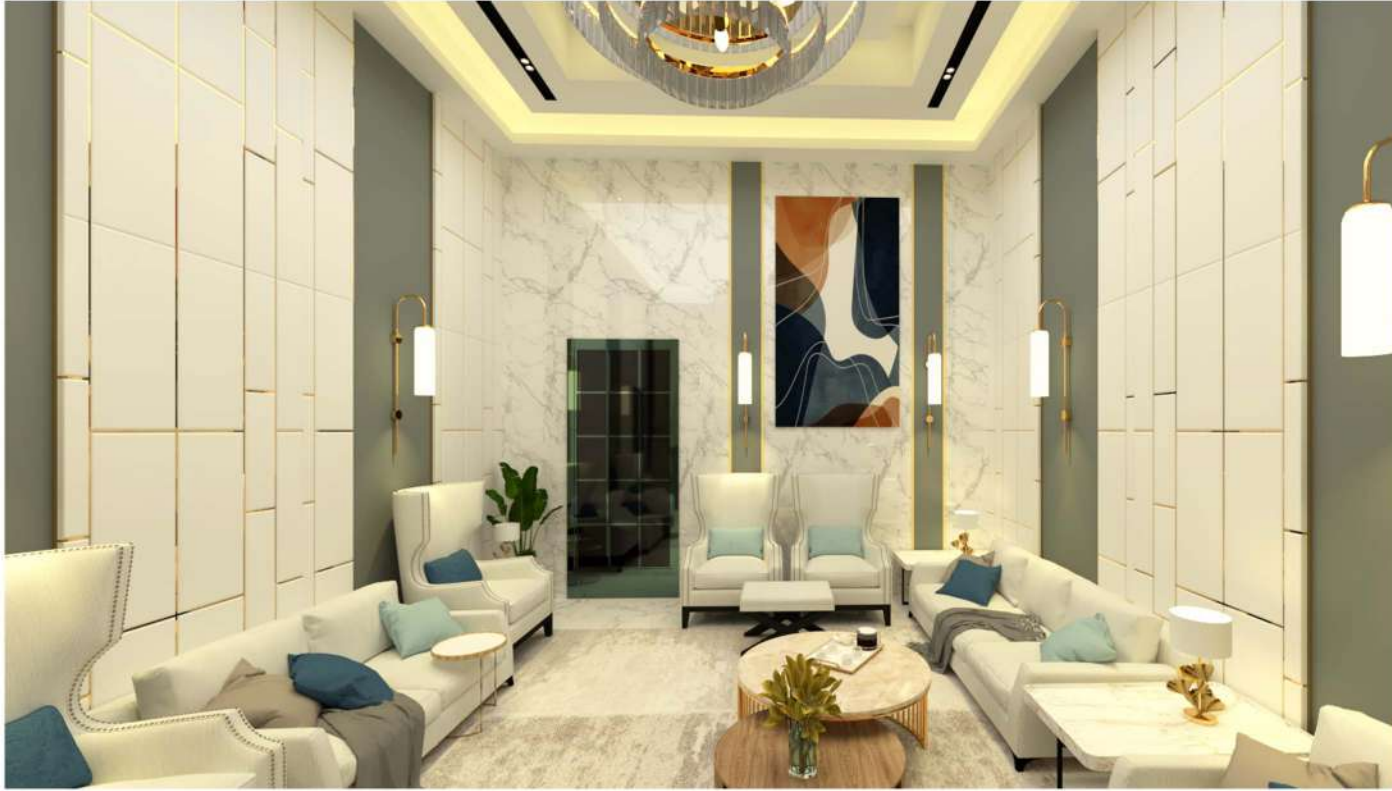
ID-VIVEK (Under AR.WARISHA)

# INTERIOR DESIGN : BATHROOM



ID-VIVEK (Under AR.WARISHA)

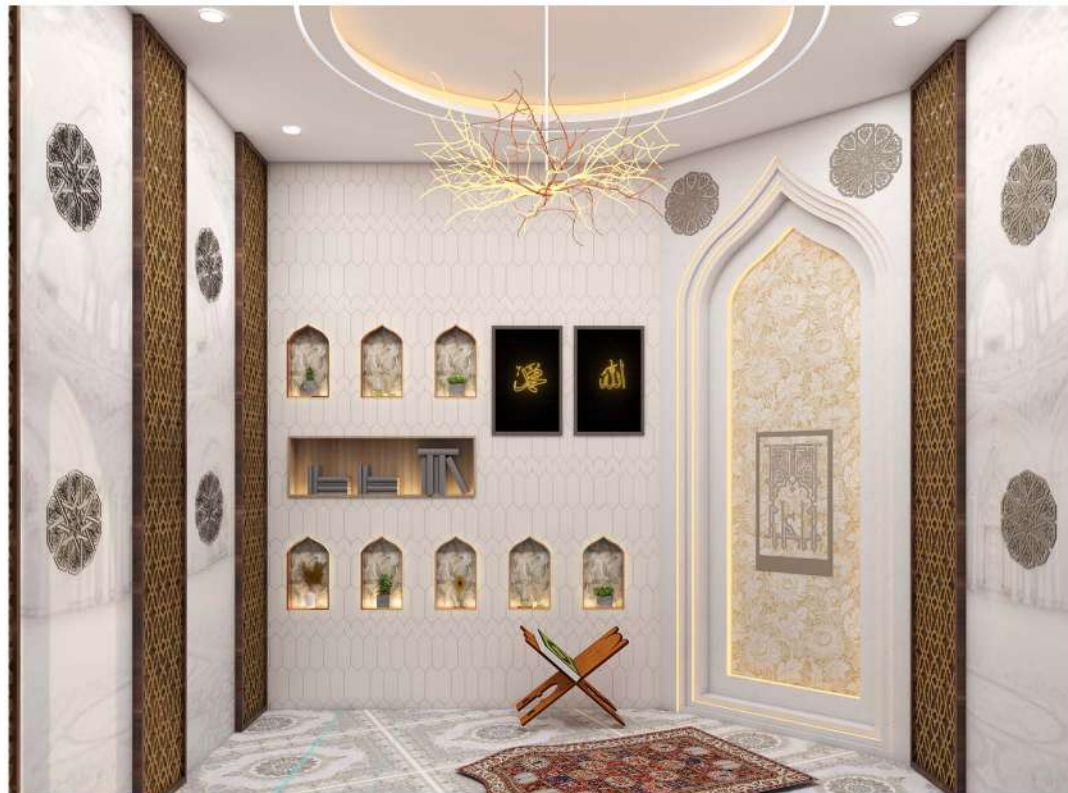
# INTERIOR DESIGN : ABUDHABI VILLA



ID- MANISH (Under AR. WARISHA)



# INTERIOR DESIGN : ABUDHABI VILLA



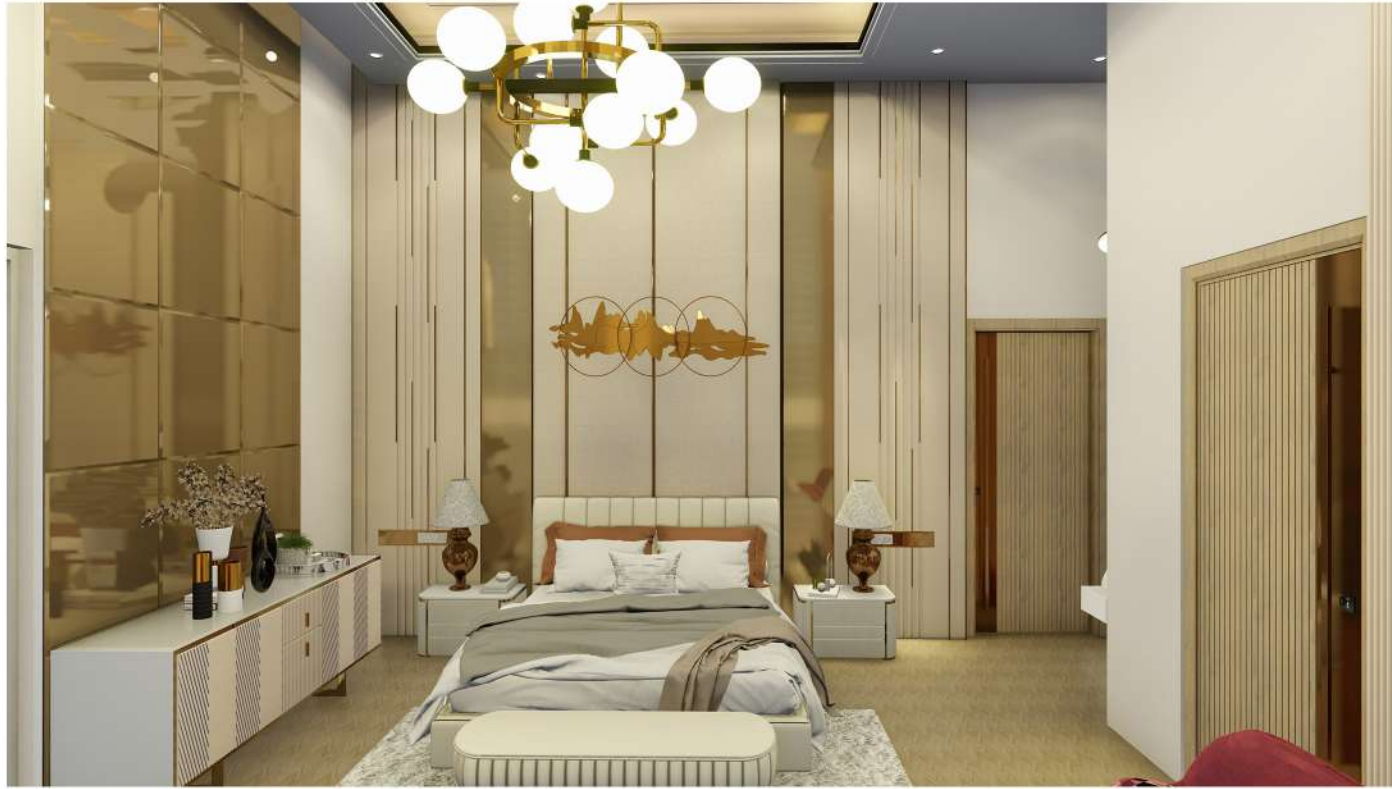
ID- MANISH (Under AR. WARISHA)

# INTERIOR DESIGN : ABUDHABI VILLA



ID- MANISH

# INTERIOR DESIGN : ABUDHABI VILLA



ID- MANISH

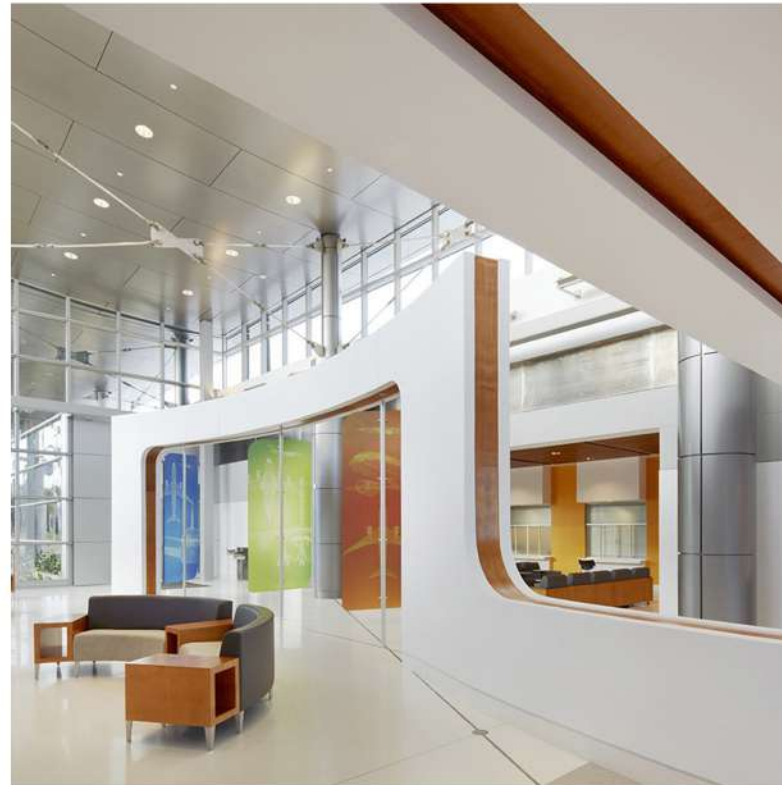
# INTERIORS CORPORATE OFFICE



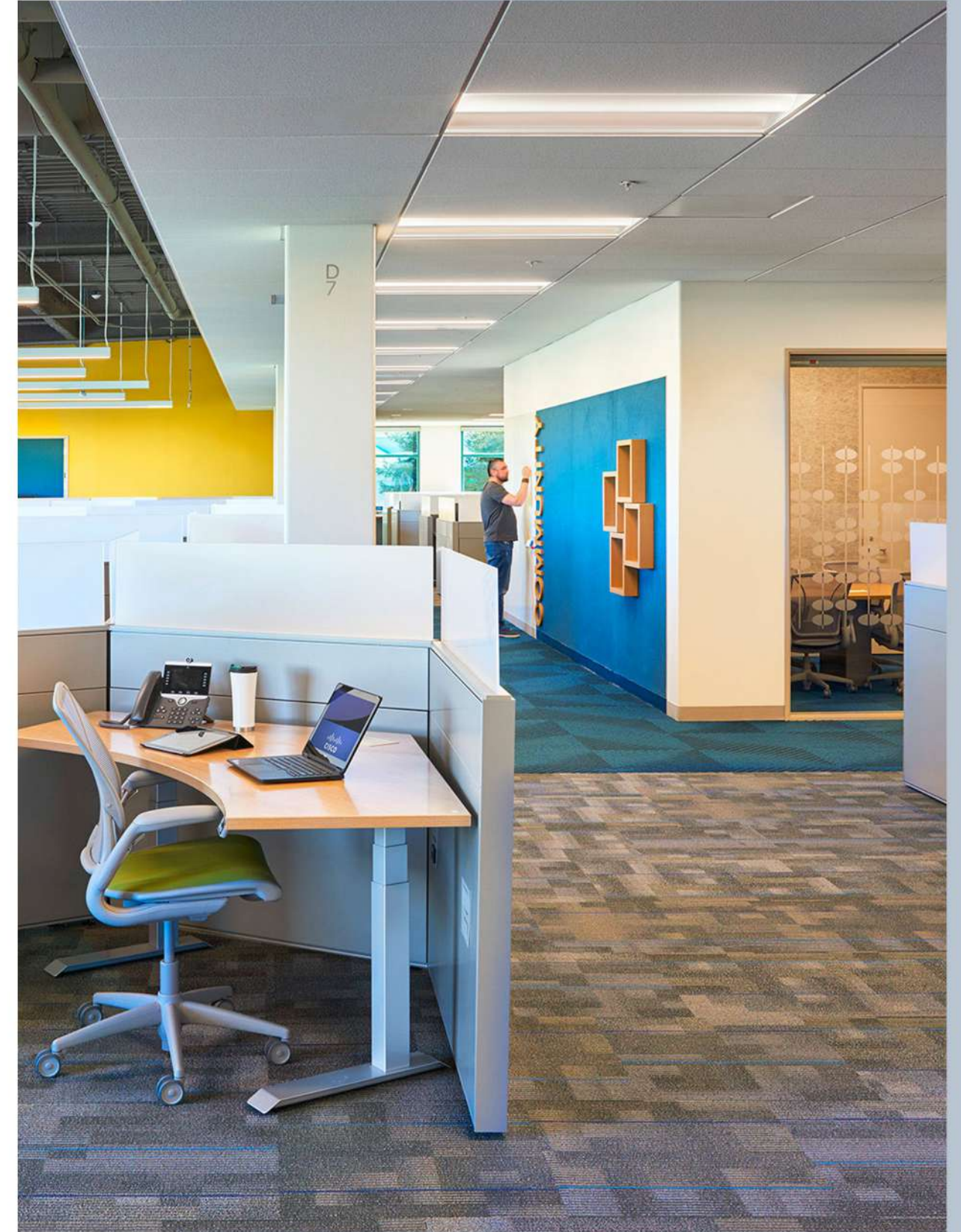
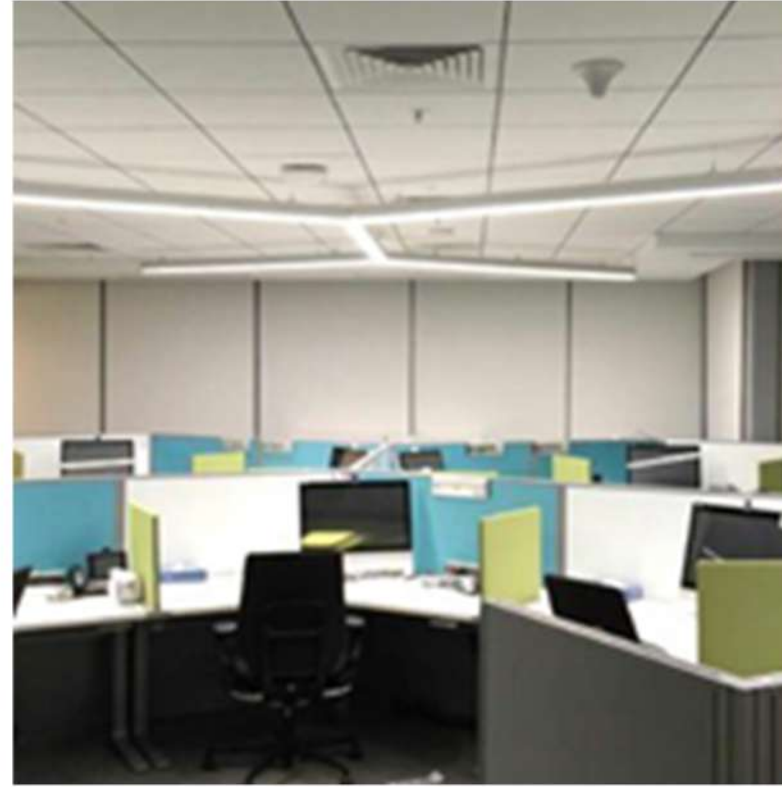
# INTERIOR DESIGN : AIRTEL



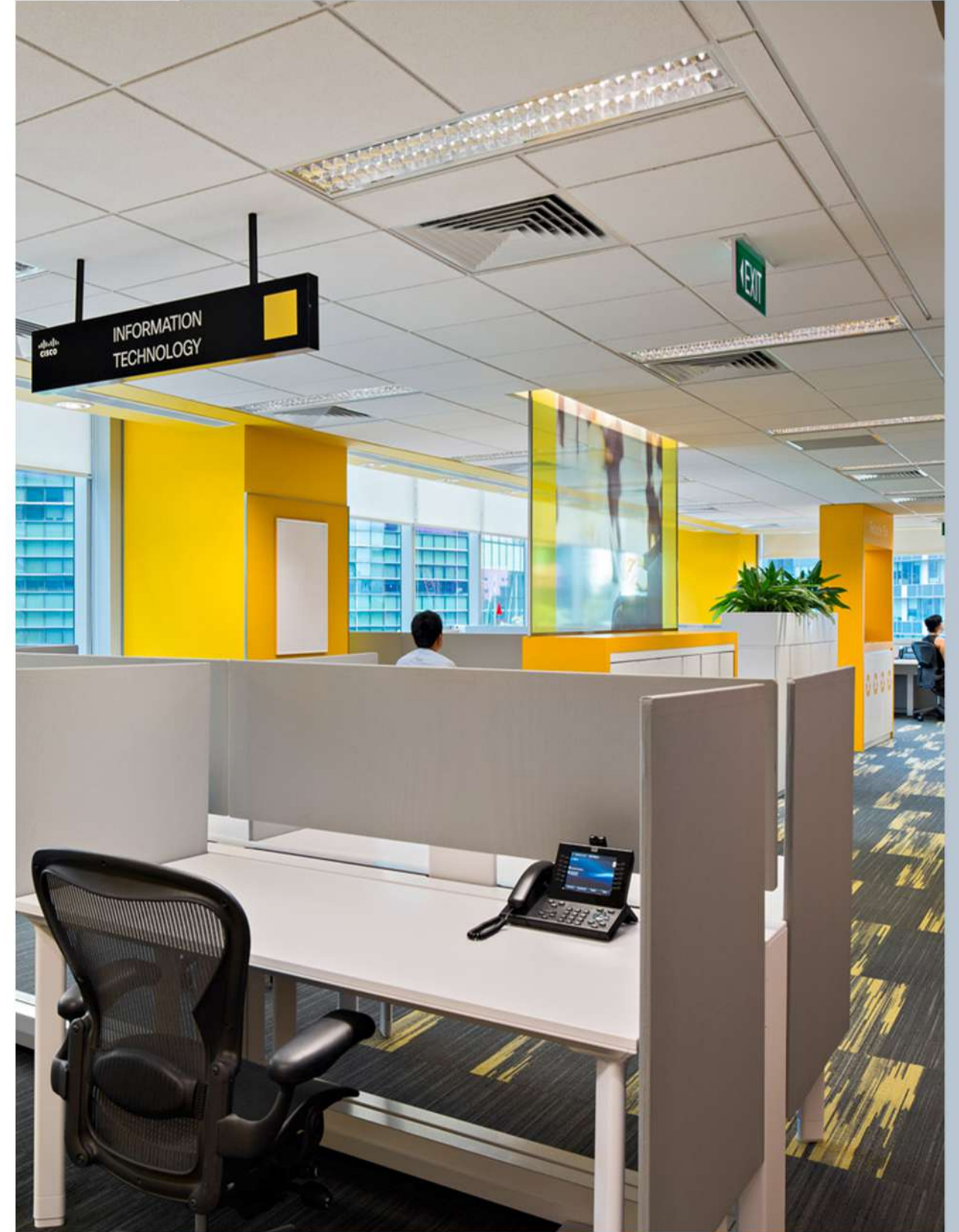
# INTERIOR DESIGN : BOEING



# INTERIOR DESIGN : CISCO



# INTERIOR DESIGN : CISCO

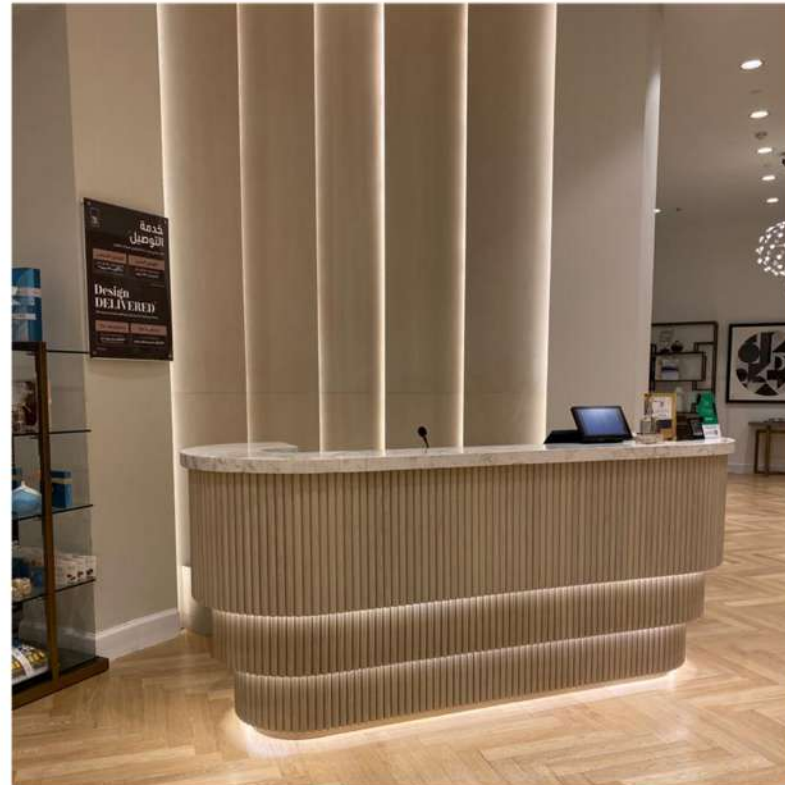
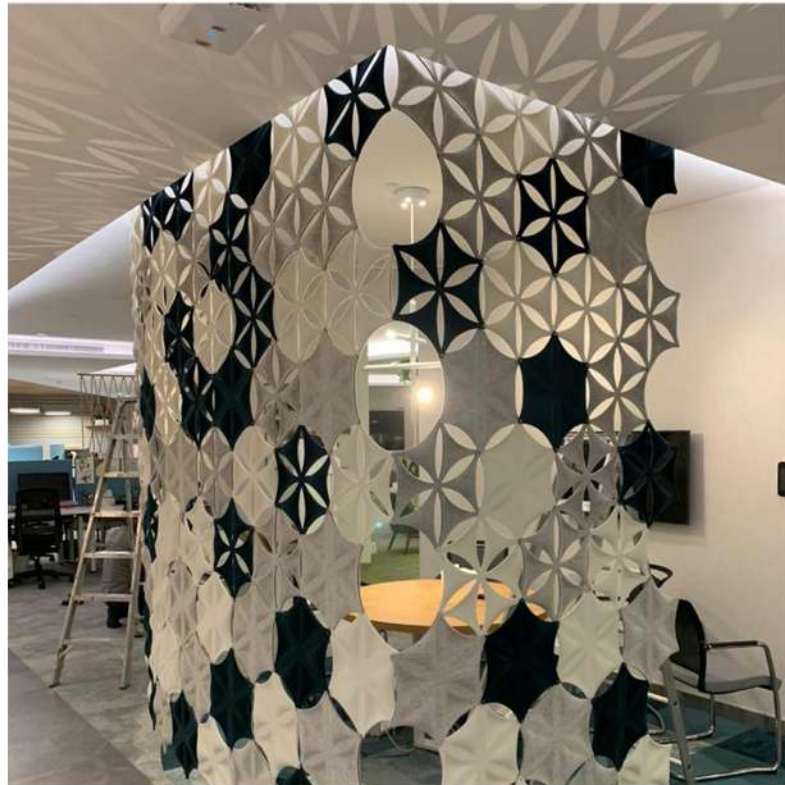




# INTERIOR DESIGN : DHL



# INTERIOR DESIGN : DUBAI OFFICE



DESIGN RANA

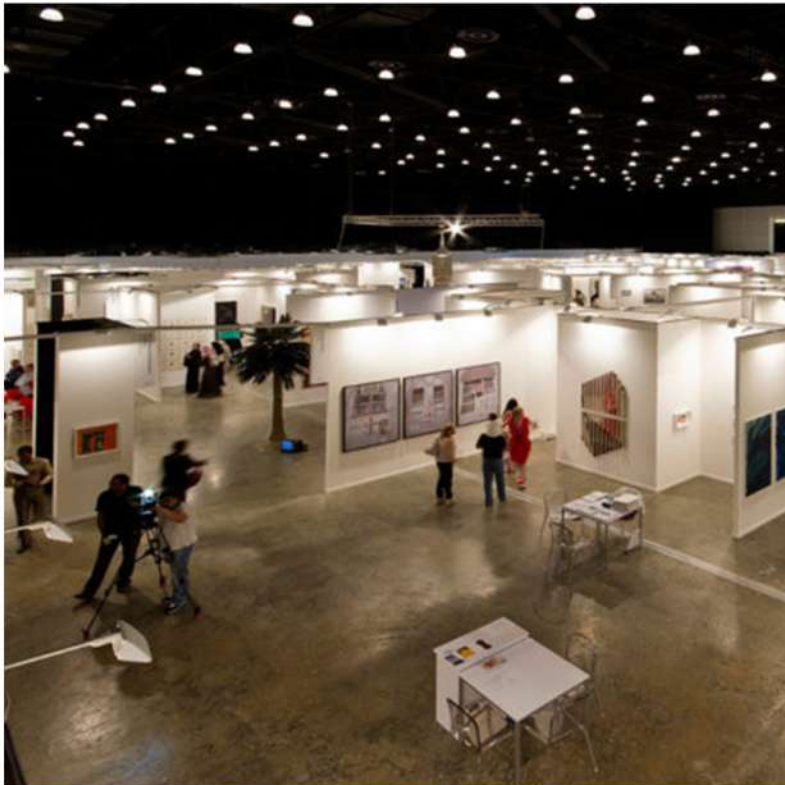
# INTERIOR DESIGN : DUBAI OFFICE



# INTERIOR DESIGN : DUBAI OFFICE



# INTERIOR DESIGN : ELETRA ART

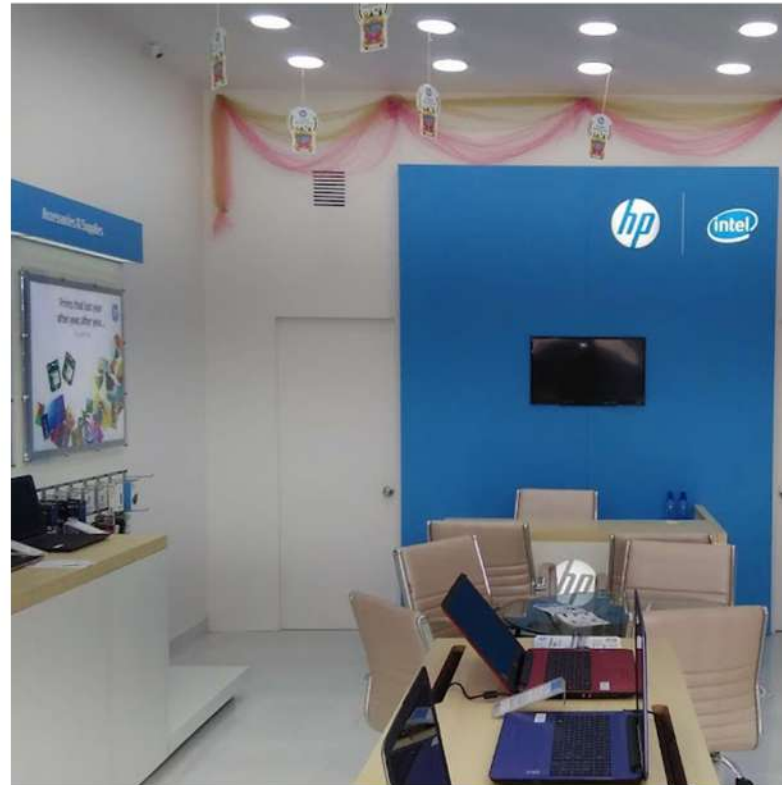


# INTERIOR DESIGN : SAFECARE



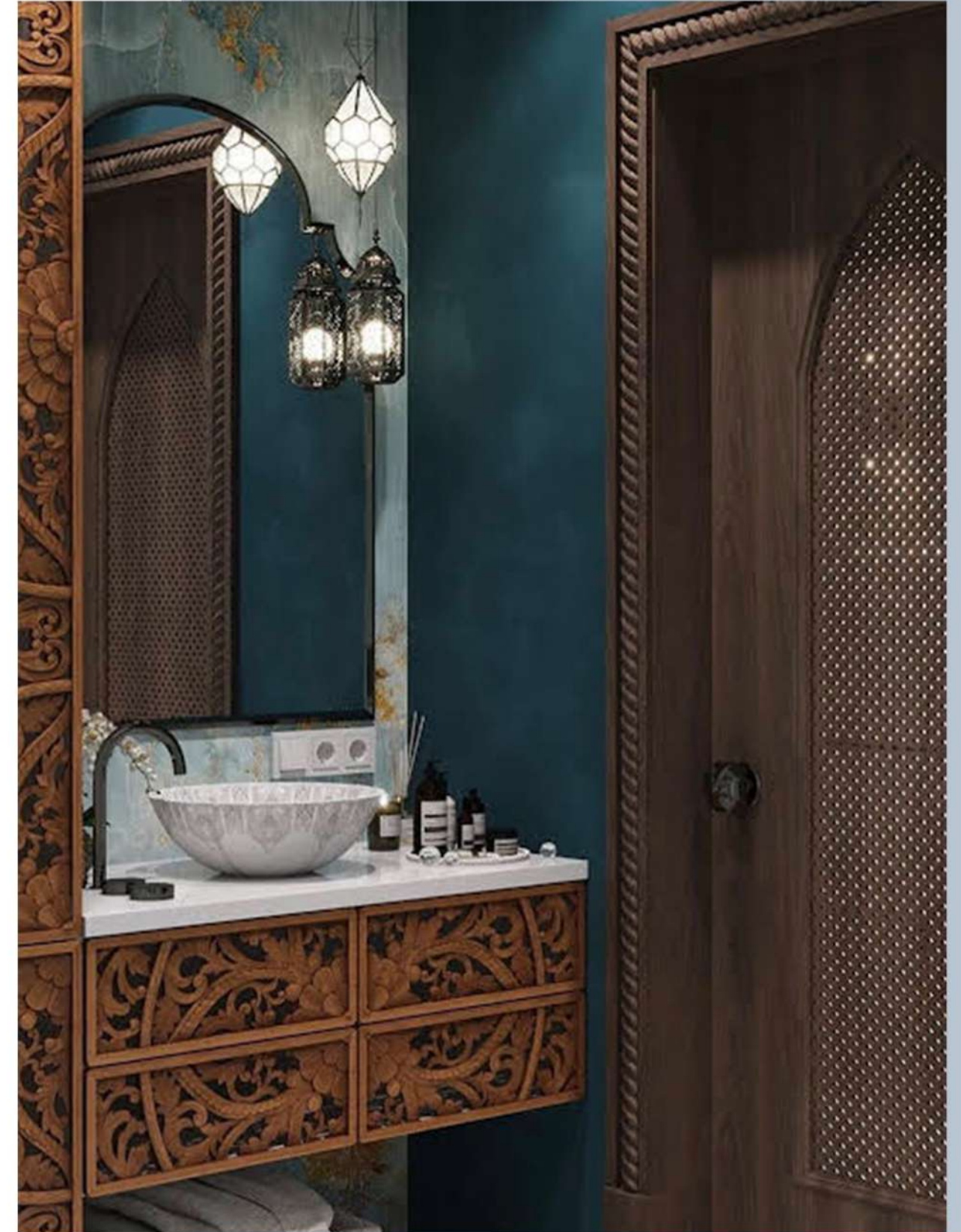
ER. MAJID

# INTERIOR DESIGN : HP



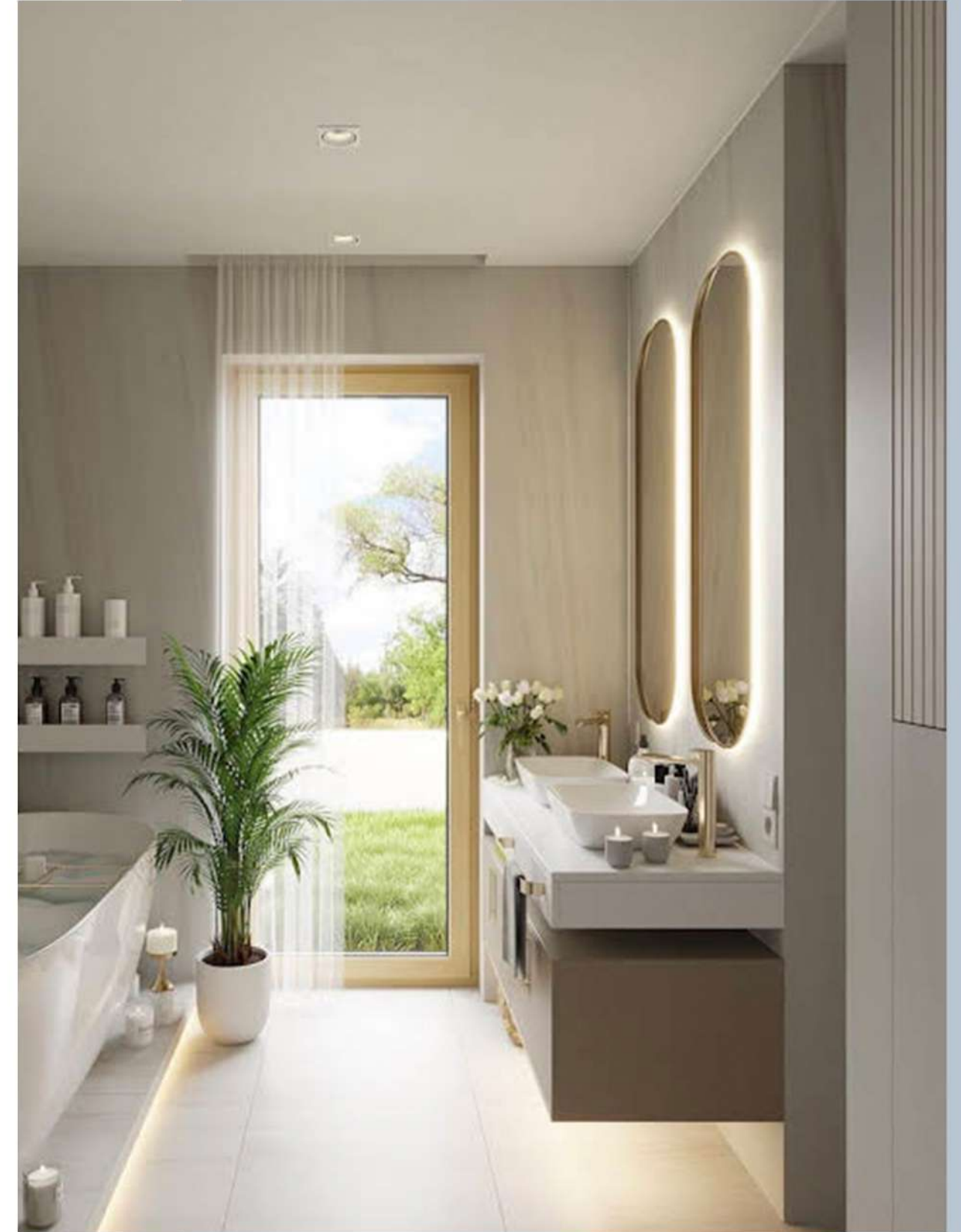
ER. MAJID

# INTERIOR DESIGN : BATHROOM





# INTERIOR DESIGN : BATHROOM



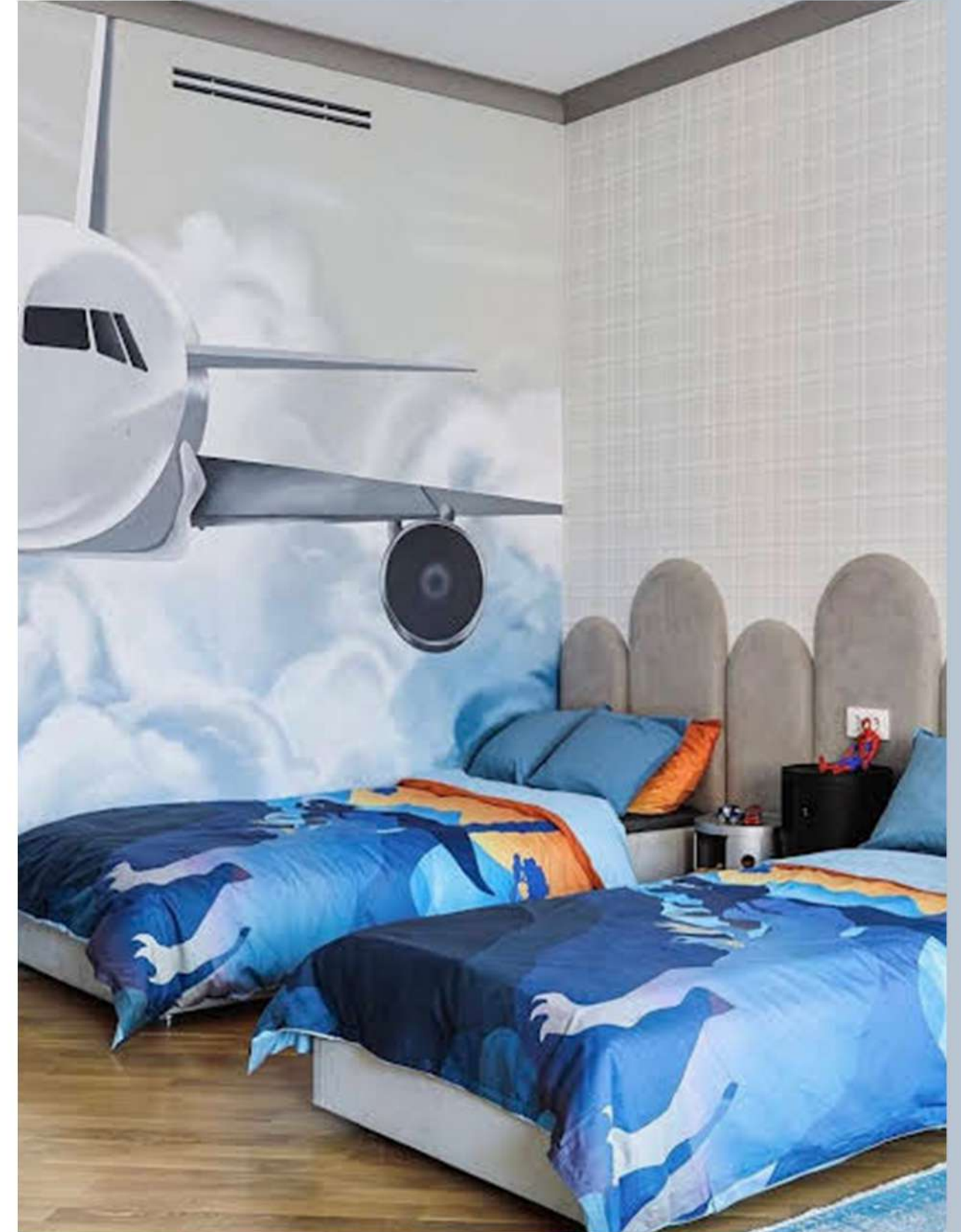
# INTERIOR DESIGN : BEDROOM



# INTERIOR DESIGN : BEDROOM



# INTERIOR DESIGN : COMBINED BEDROOM



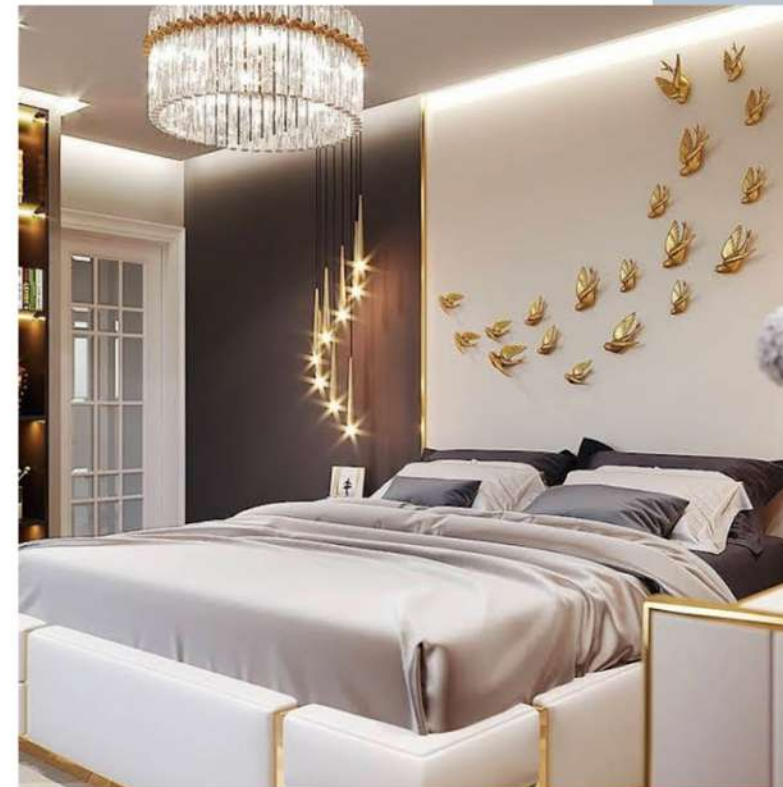
# INTERIOR DESIGN : BEDROOM



# INTERIOR DESIGN : BEDROOM



# INTERIOR DESIGN : BEDROOM



# INTERIOR DESIGN : BEDROOM





# INTERIOR DESIGN : LIVING AND DINNING



# INTERIOR DESIGN : LIVING AND DINNING

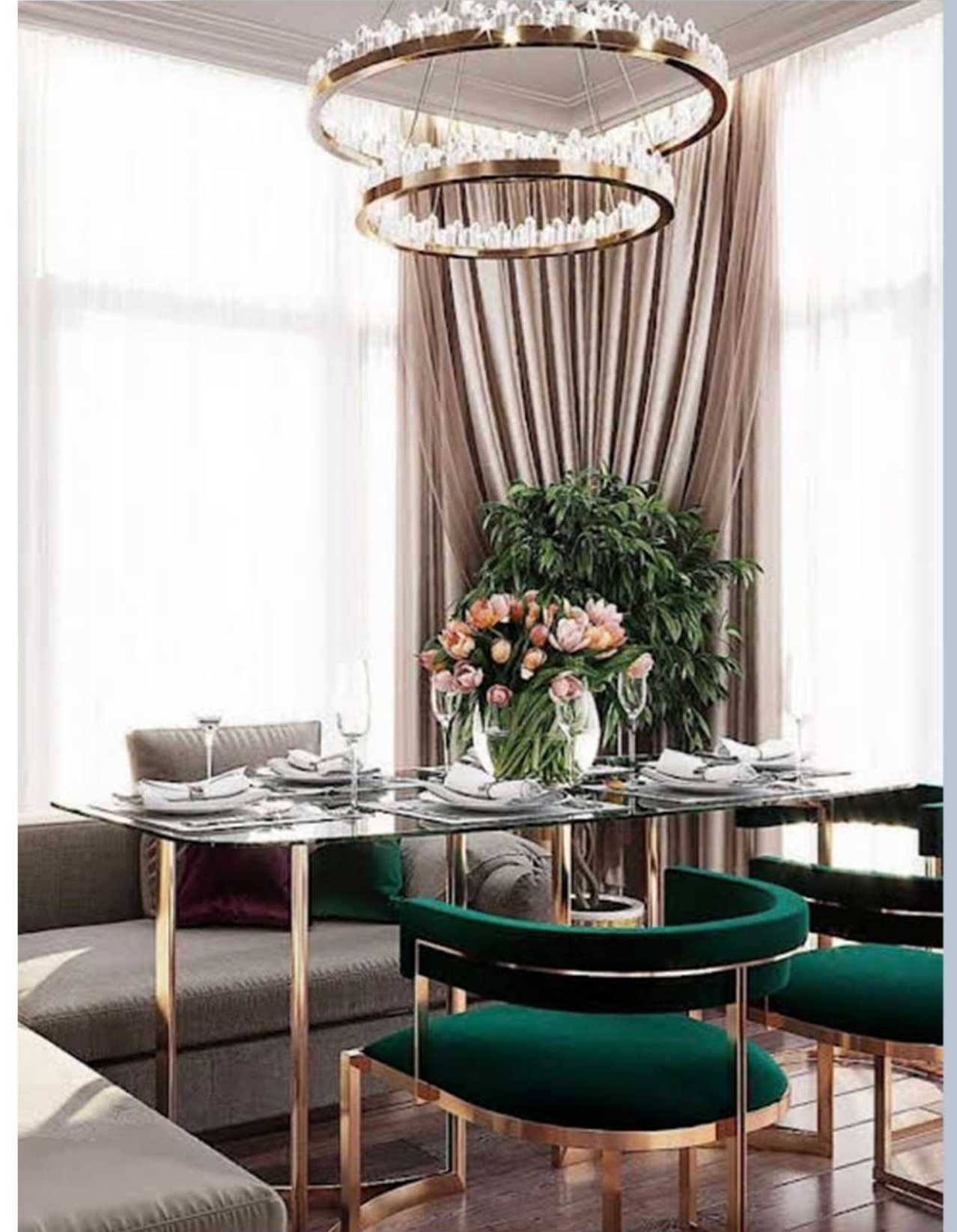


# INTERIOR DESIGN : LIVING AND DINNING

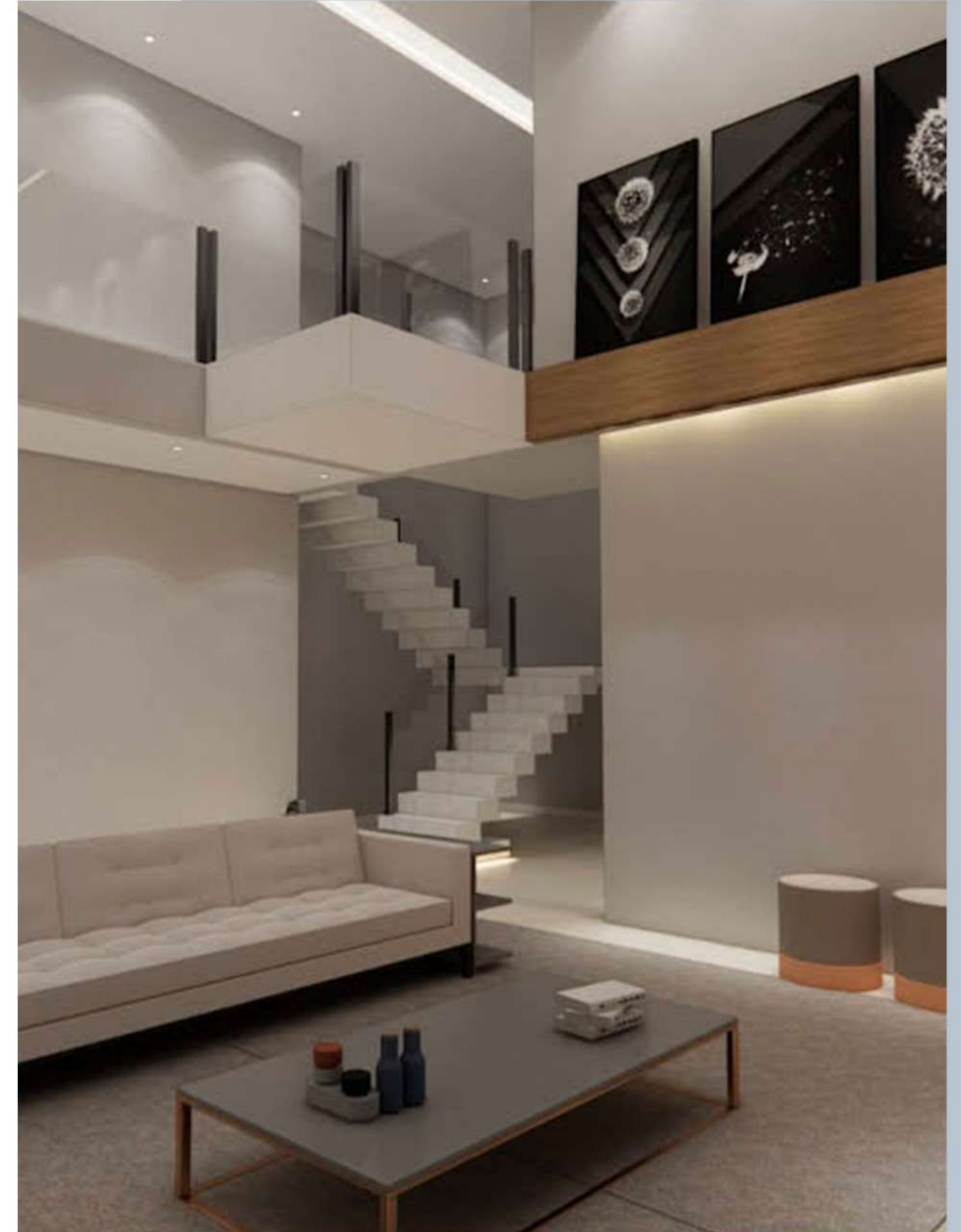


AR. WARISHA

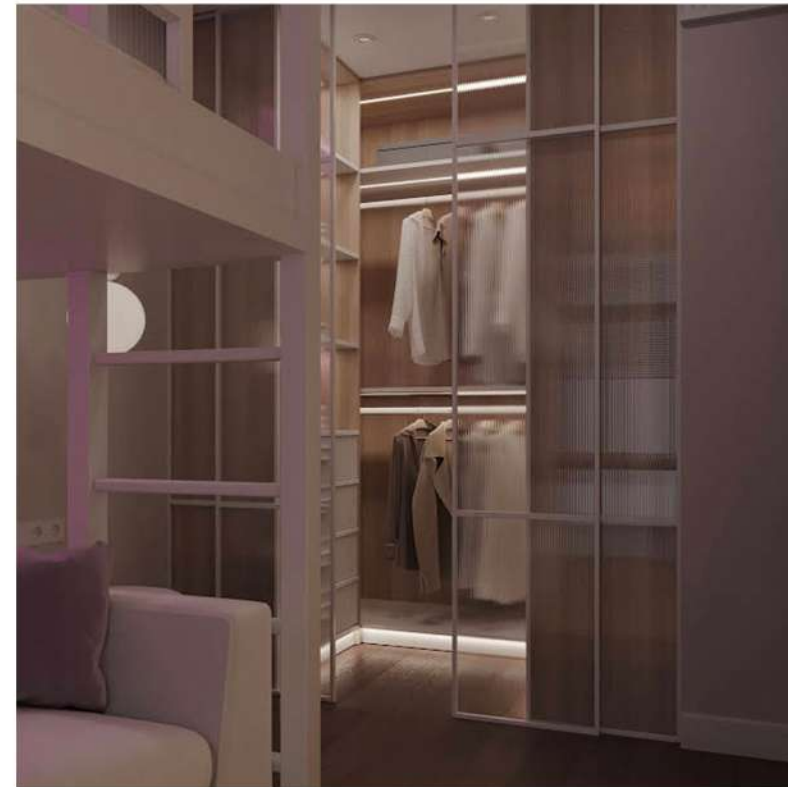
# INTERIOR DESIGN : LIVING CUM DINNING



# INTERIOR DESIGN : LIVING ROOM



# INTERIOR DESIGN : KIDS ROOM



# INTERIOR DESIGN : KIDS ROOM



# INTERIOR DESIGN : KITCHEN AND DINNING

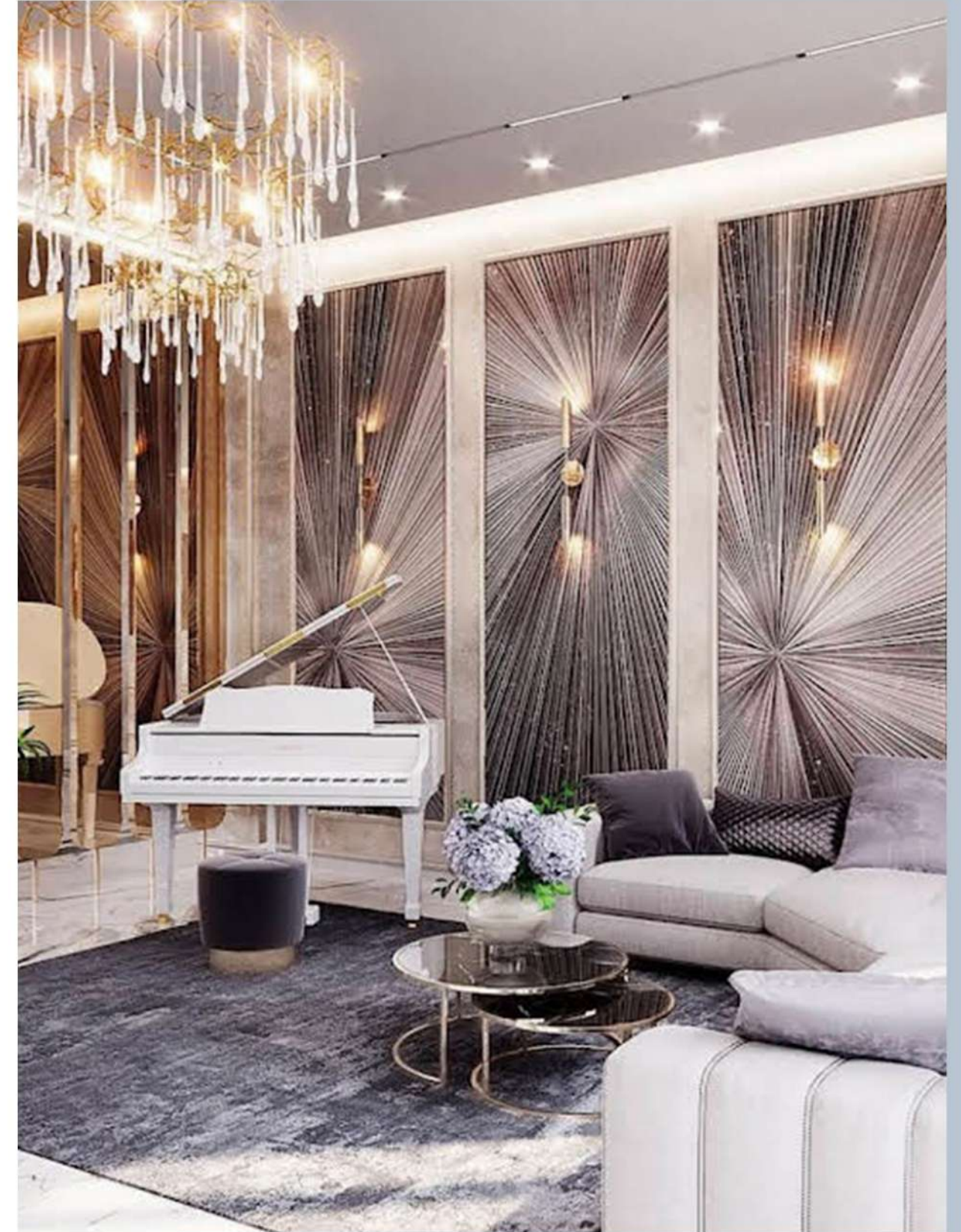




# INTERIOR DESIGN : KITCHEN



# INTERIOR DESIGN : LIVING AND DINNING

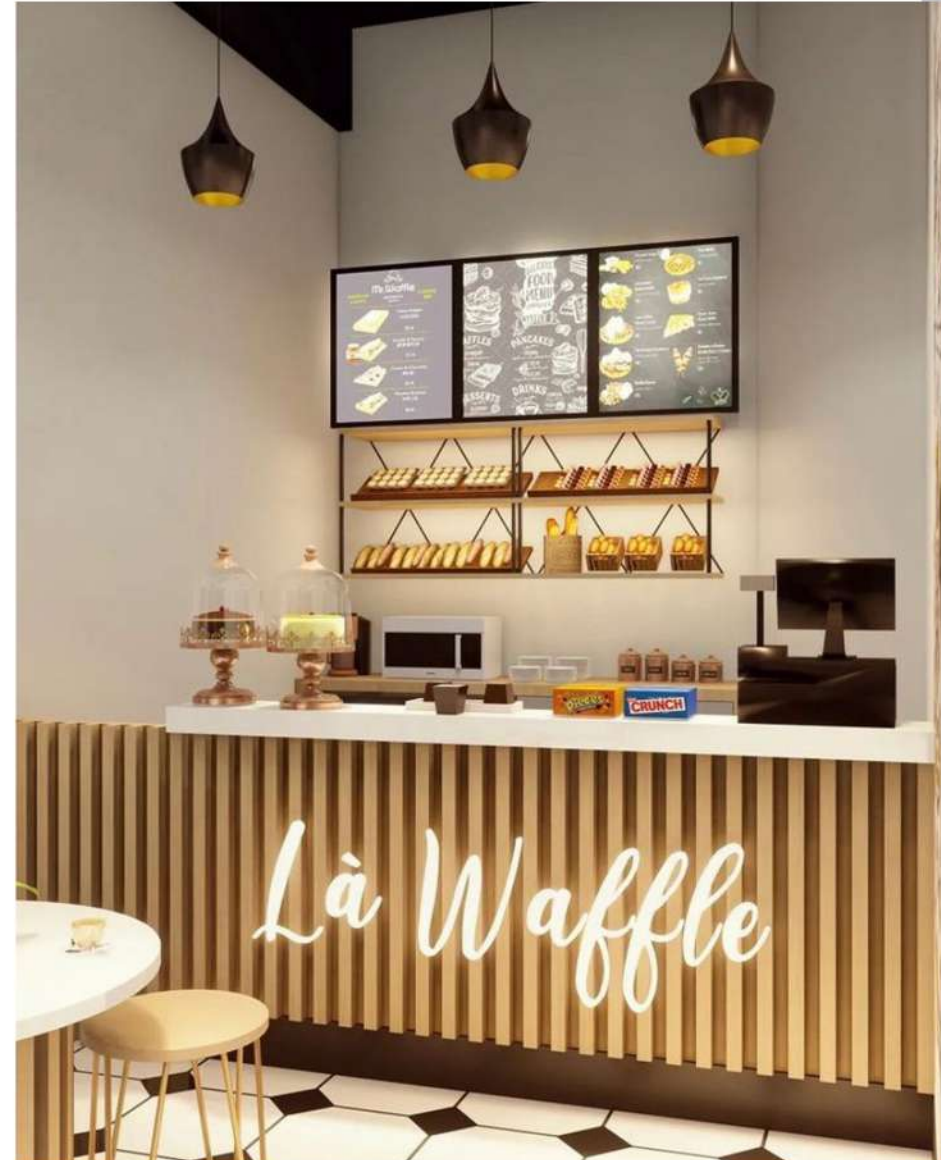


# INTERIOR DESIGN : LIVING CUM DINNING



# STORE INTERIOR DESIGN

LA WAFFLE by Design Plus builds



# 4BHK INTERIORS

Design Plus builds



# HEALTH HOUSE, EZE, SOUTH FRANCE

International Academy of Design and Health



# APARTMENT BEAU SOLEIL, FRANCE

Nadia Riolfo



# DESIGN CONSULTANCY

**Gallant Orbit is a team of Architects and Interior Designers working together to bring solutions to your problems and provide it's client a space which intends to go beyond function. We specialize in Residential, Commercial, Landscape and Urban design projects. Whether you need a quick refresh of furniture and paint colors, or an extensive whole-house renovation, we can provide the expertise to make sure the project runs smoothly and gives you the best results possible .**

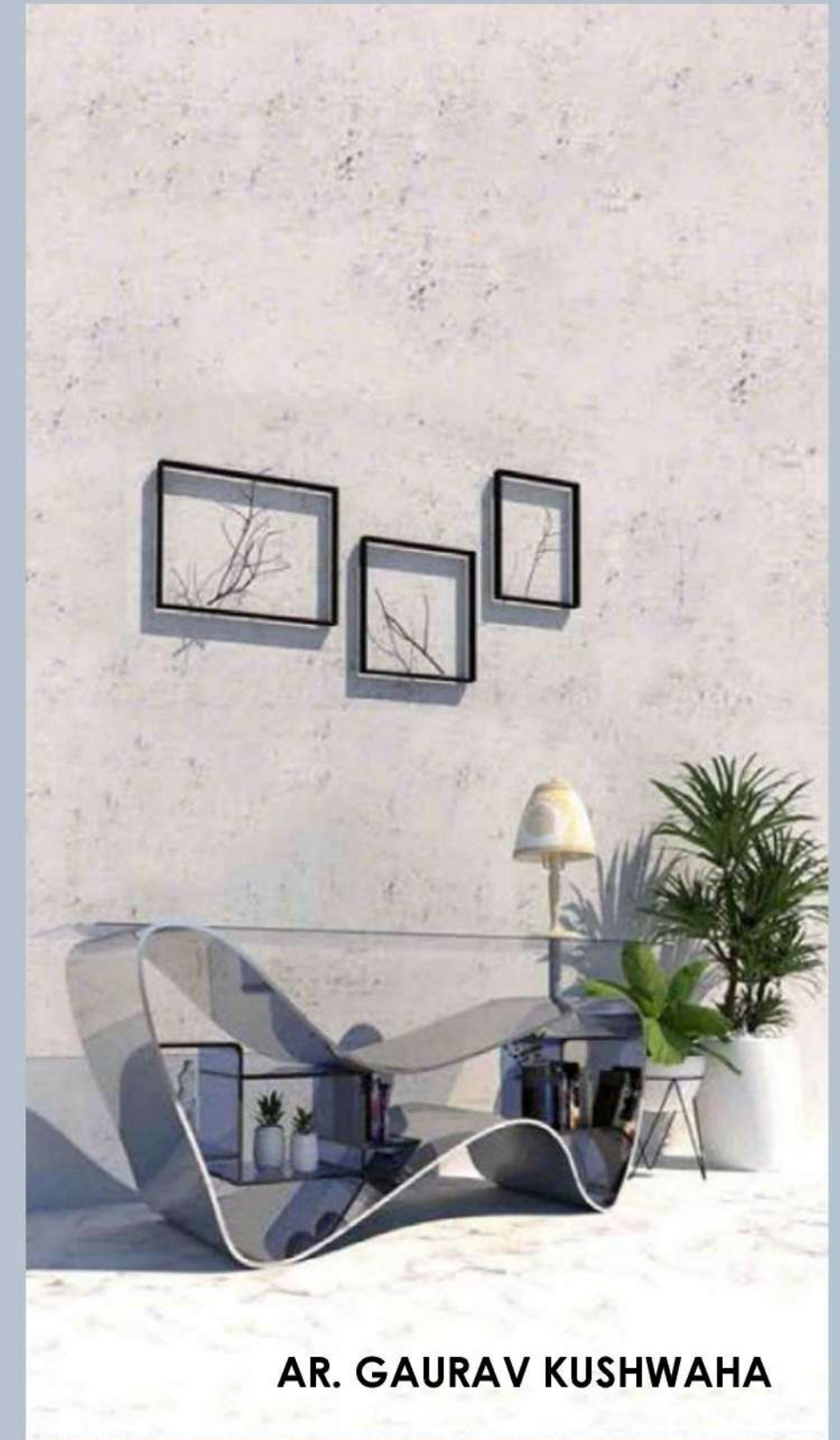
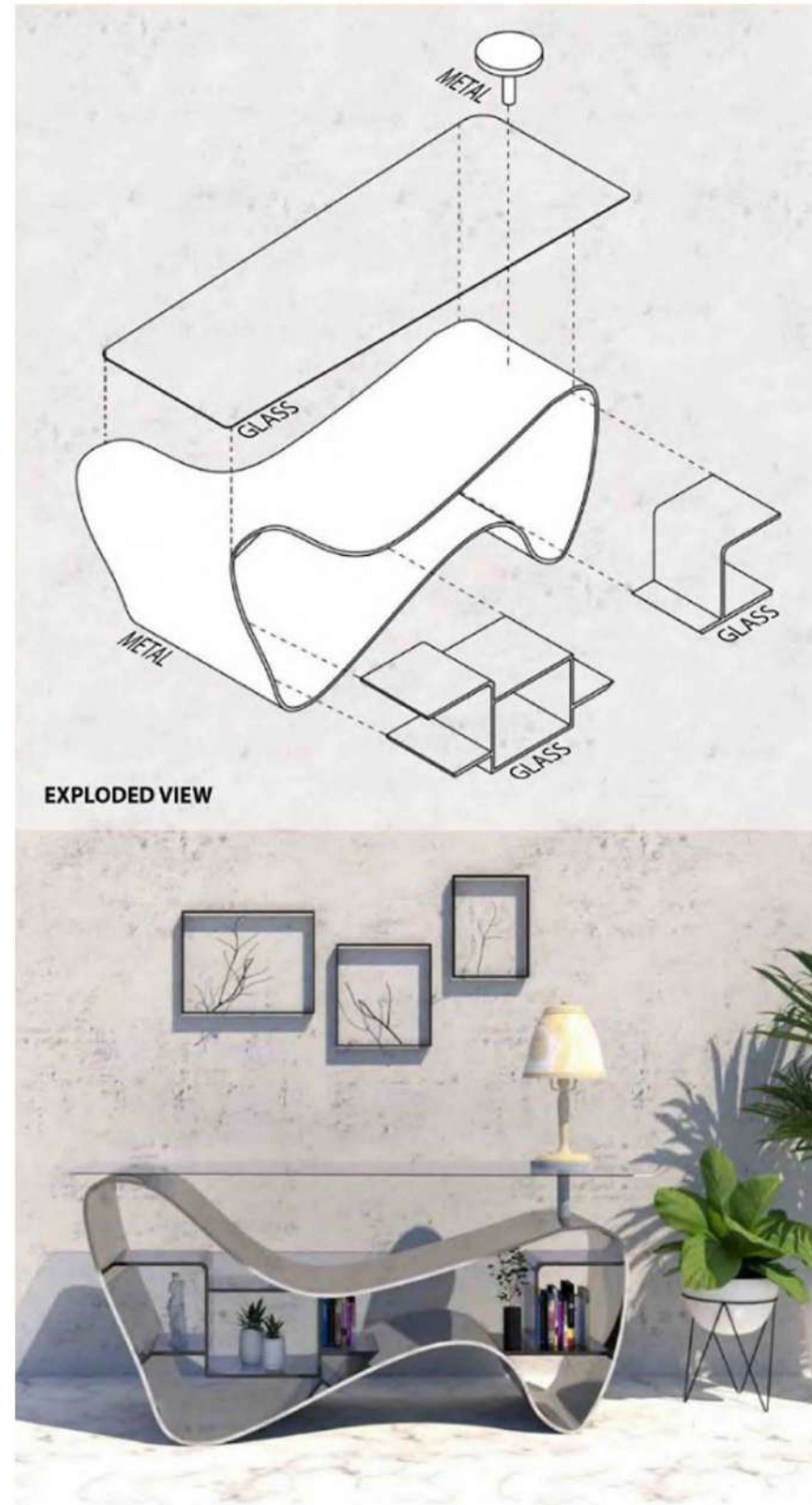
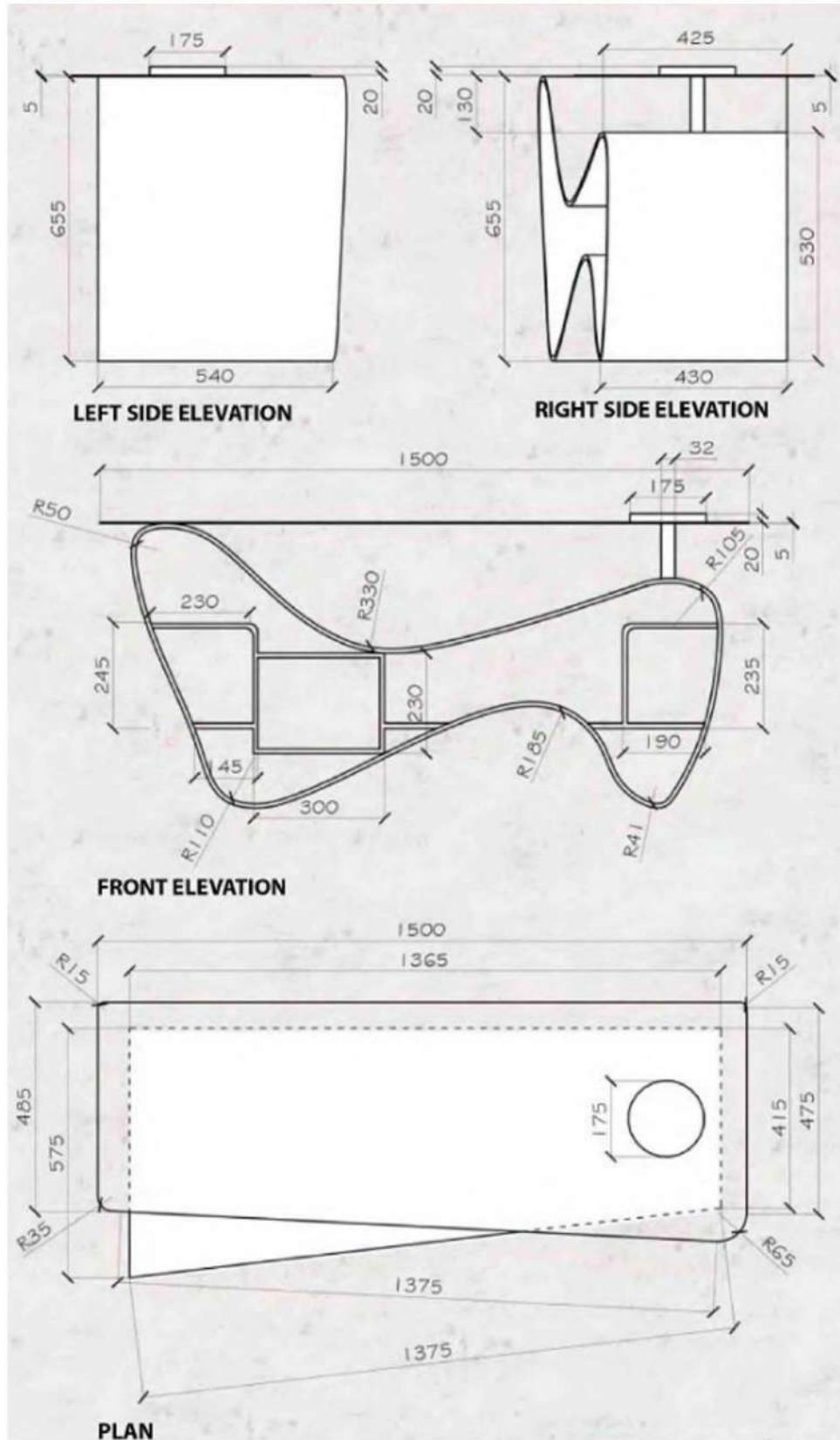
**We sincerely take our client's need and style into consideration. Our motto is to fulfill our client's requirement as well as providing functional, innovative, ingenious and practical solutions with our extensive work experience. We welcome the impossible idea. When it comes to our clients' ambitions and aspirations, we believe we can accomplish anything.**

**Responsive to our clients' vision, we are**





# PRODUCT DESIGN



**AR. GAURAV KUSHWAHA**

# TOWN PLANNING

Our approach at gallant orbit is to focus on Residential layout refers to the form, scale and function of buildings and open space (including streetscape) for the purpose of creating functionality, efficient and esthetically pleasing physical environment for living, working, circulation and recreation.

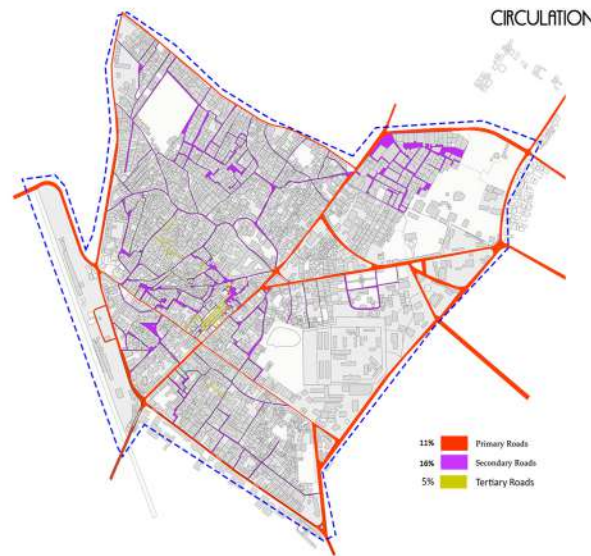
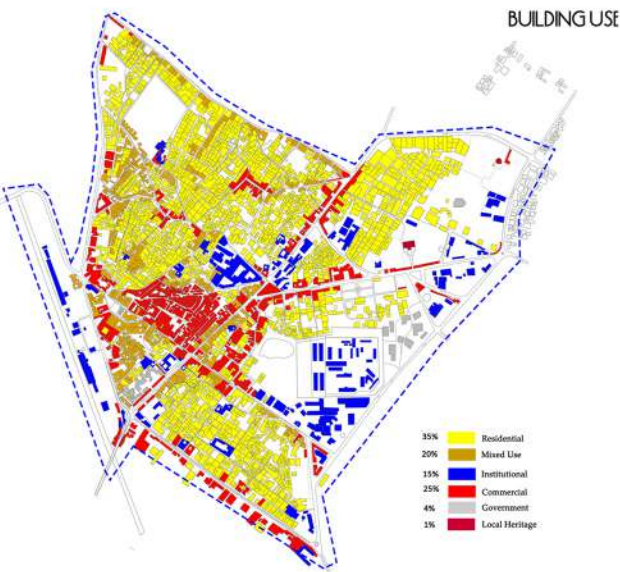
Planning looks at the needs of people and the environment whilst respecting limits to development. Urban planning must recognise regional limits to development in order to maintain natural habitats and biodiversity, which is so important to our continued existence.



# Revitalization Of Inner City Core, Lakhimpur, U.P.

Area of Concern : Lack Of Recreational spaces in Lakhimpur

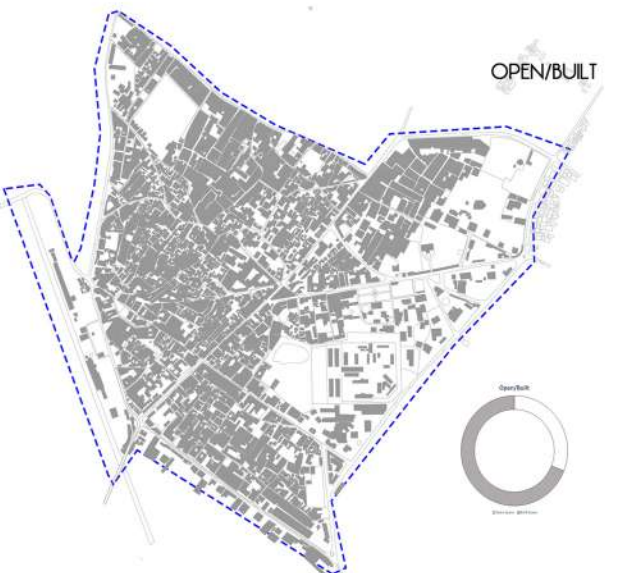
## MAPPINGS OF THE INNER CORE OF THE CITY



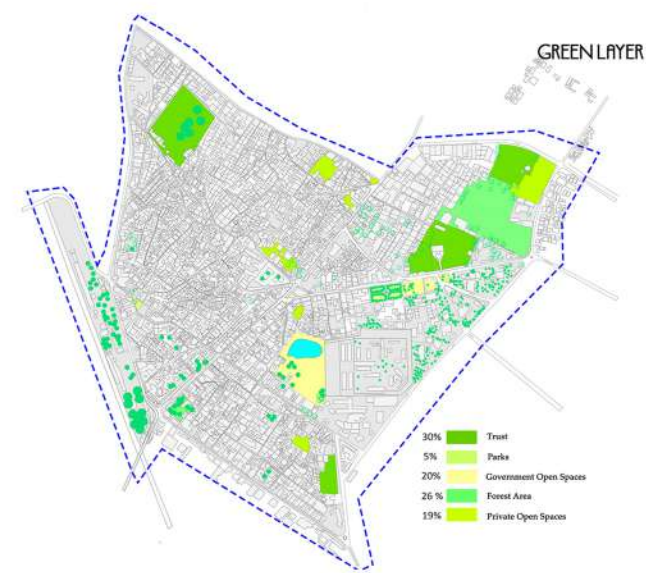
According to the building use map about 35% area is under Residential Use, 20% Mixed Use and 25% commercial. The inner city core has mixed landuse pattern. Map shows that there is less open space in the centre of inner city. Open Space needs to be created here.

About 8% roads are primary roads. Primary roads are of 12 M width. About 10-11% roads are secondary roads. These roads are of 7 to 8 metres width.

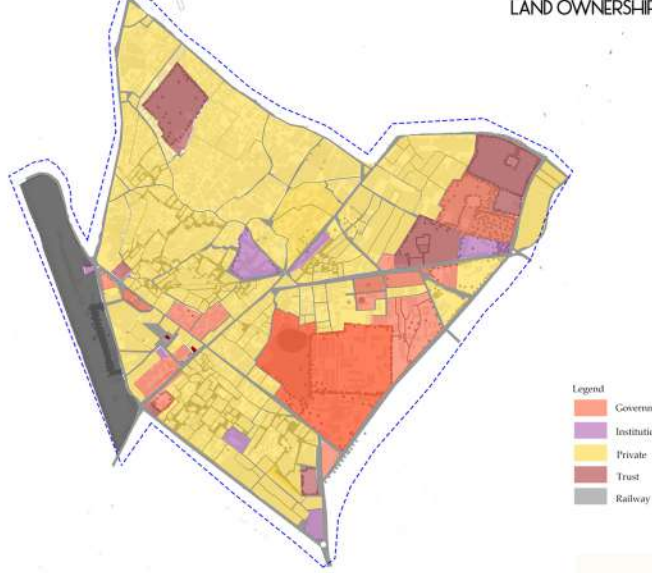
The maximum height of the buildings is G+3. The buildings along main road have maximum height. Most of the area has G+1 buildings i.e. about 46% of total built area.



Available open space in the precinct is around 23%. The major streets show an irregular geometric pattern whereas the local streets show an organic pattern of growth. The plan shows that there are encroachments at various parts and no proper regulations had been followed for the site developments. The centre has an unplanned pattern of growth.

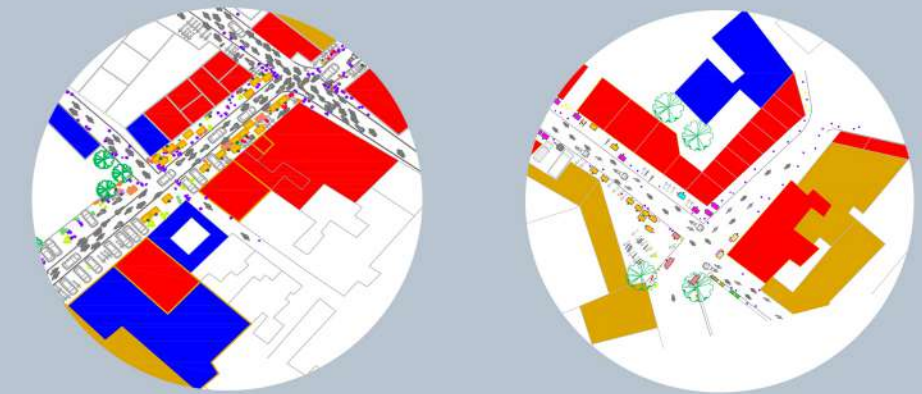


About 35% Open space is under trust, 26% under forest and 24% under government and 20% under private ownership. There is no dedicated parking space.



Most of the area is under private ownership which is 25%. Government also owns a lot of area in the precinct that is around 30%. Trust owns about 17% of the precinct and Railway has 15%. Institutional land is around 13%.

## ACTIVITY MAPPING (TWO DIFFERENT JUNCTIONS)

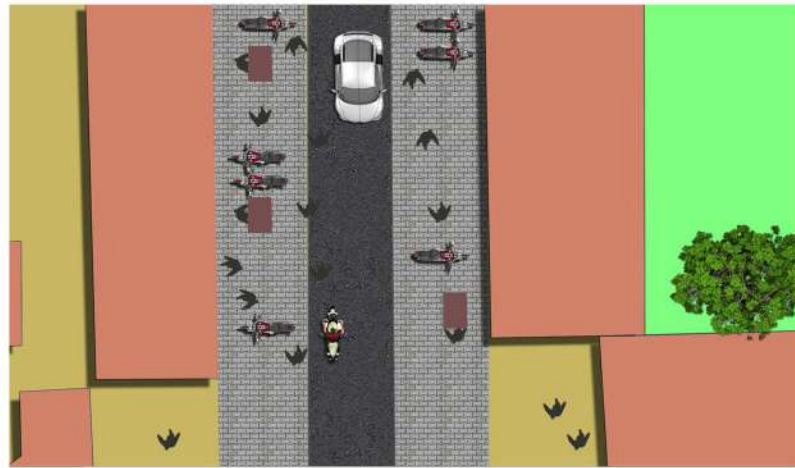


AR. PURNOOR K.

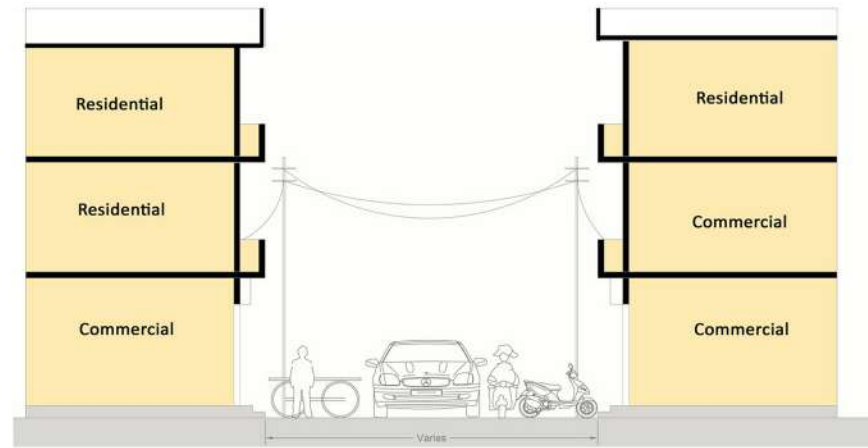
# Revitalization Of Inner City Core, Lakhimpur, U.P.

Area of Concern : Lack Of Recreational spaces in Lakhimpur

## PHASE 1 PROPOSALS



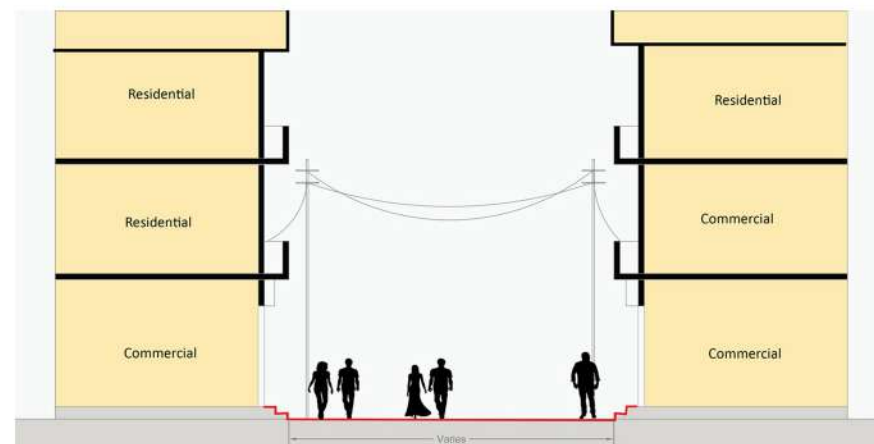
Existing Road



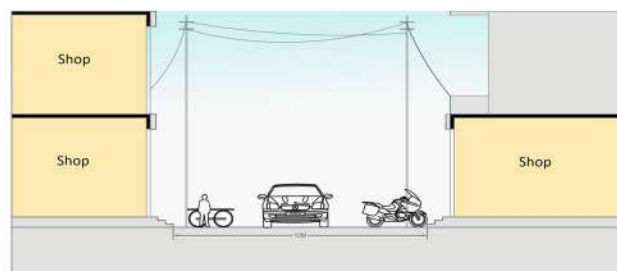
Existing Main Road From Bada Chauraha to Hamdard Dawakhana



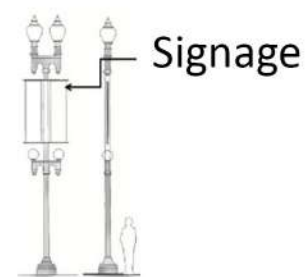
Proposed Road



Proposed Main Road From Bada Chauraha to Hamdard Dawakhana



Existing Road section

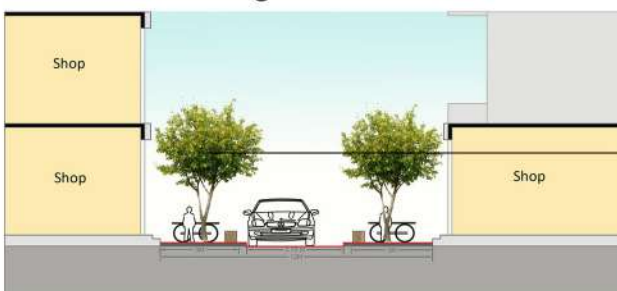


Signage

Street Lights with signages are to be provided along the roads.



Hoardings can be Provided longitudinally of regular sizes



Proposed Road section

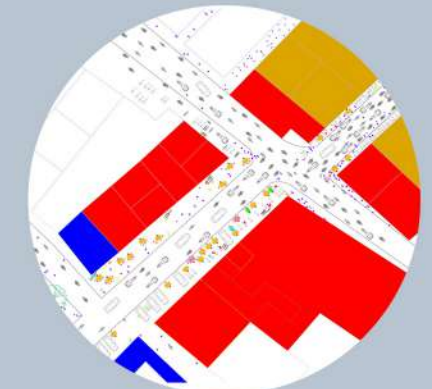
Low Height Trees upto 6 M.

Sitting Spaces

## MAJOR ISSUES



OVERLOADED ROADS



CONGESTION

## POTENTIALS



ACCESSIBILITY FROM ALL PARTS



MULTI-DIRECTIONAL & MIX CULTURE



NEAREST TO BUS STAND & RAILWAY STATION



OLDEST TEMPLE COMPLEX INVITING PEOPLE FROM NEARBY CITIES & VILLAGES

AR. PURNOOR K.

# Revitalization Of Inner City Core, Lakhimpur, U.P.

Area of Concern : Lack Of Recreational spaces in Lakhimpur

## PHASE 2 AND 3 PROPOSALS



SITE PLAN



FOUNTAIN



LOG THRONES



CANTEEN



EXISTING FRONT OF RANIGANJ GATE



PROPOSED FRONT OF RANIGANJ GATE



PROPOSED PLAZA



PROPOSED SITTING SPACE



EXISTING POCKET PARK



PROPOSED POCKET PARK

AR. PURNOOR K.

# QUTUB MINAR PRECINCT (MEHRAULI & LADOSARAI)

## ISSUES AND EDGE CONDITIONS OF THE MONUMENTS

### Depleted Historic Environment



### Loss of Visual Connectivity



**Depleted Historic Environment**  
Deterioration of Monuments  
Loss of fabric due to settlement attached with the heritage buildings

**Loss of Visual Connectivity**  
Due to vertical development, monuments are not visible.  
Insolence towards heritage  
No inviting entrances

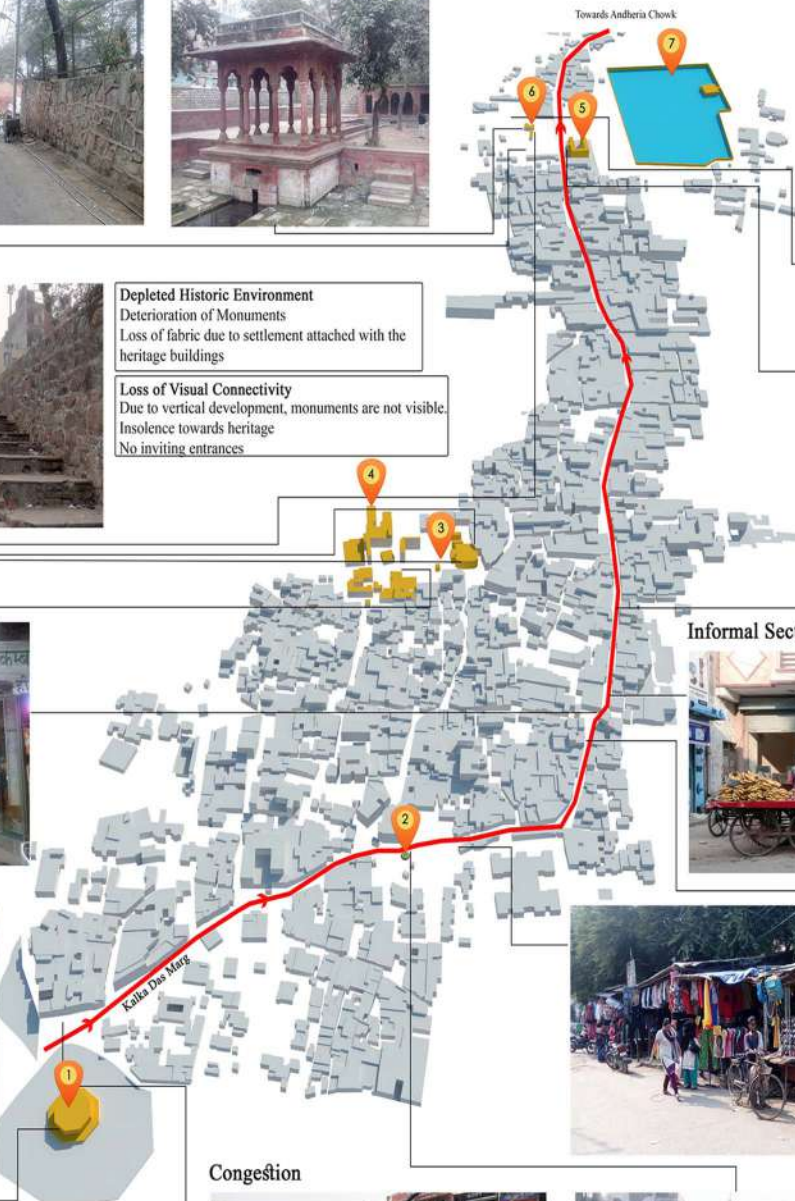
### Environmental Degradation



**Environmental Degradation**  
Lack of solid waste management  
Uncovered drains  
Insensitivity towards natural heritage

**Informal sector**  
Due to ill-informed design this sector results in loss of interest & visual experience and congestion.

### Inadequate Visitor Experience



### Informal Sector



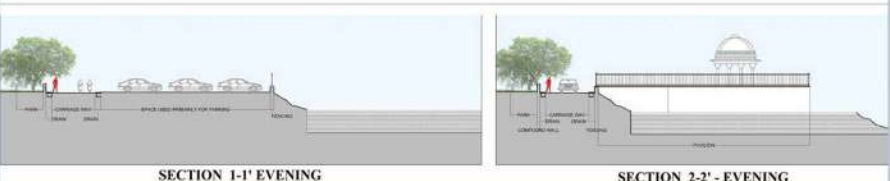
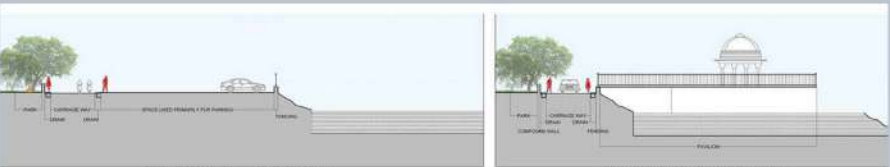
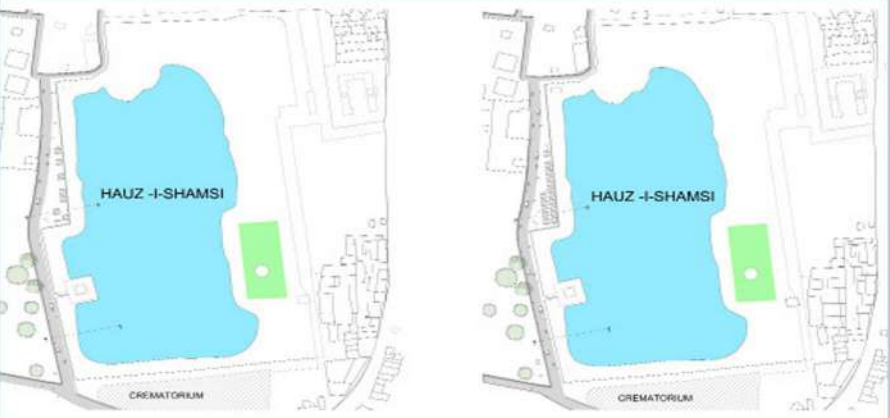
**Congestion**  
Due to hawkers and Vendors on the road congestion forms and hence vehicular density increases. It causes experiential loss resulting in the decrease in tourist inflow.  
Poor segregation of vehicular and pedestrian traffic.  
Growth in settlement has resulted in the increasing vehicular density causing change in behavioural pattern.  
Loading and Unloading of goods causes congestion in the spine.

### Congestion

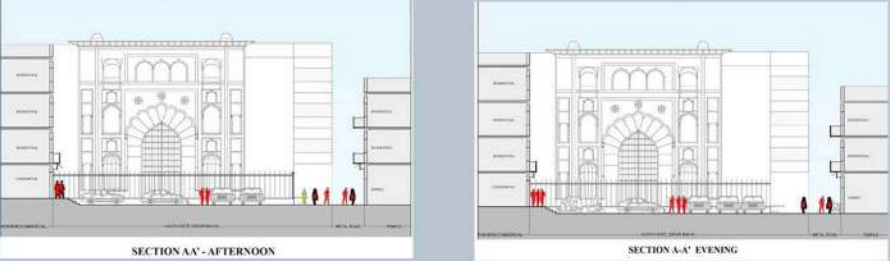
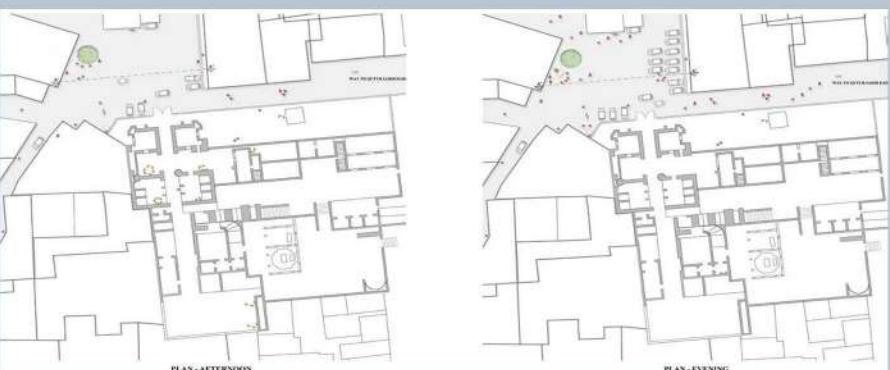


**INADEQUATE VISITOR EXPERIENCE**  
Edge Conditions  
Lack of visitor amenities  
Lack of interpretation  
No visual contact with the monuments  
Lack of pathways  
Lack of signages  
Absence of souvenir shops  
Lack of facilities for differently-abled tourist

- 1 Adham Khan's tomb
- 2 Kalu Ram Chowk
- 3 Zafar Mahal
- 4 Qutb Bakhtiyar Kaki Dargah
- 5 Jahaz Mahal
- 6 Jharna
- 7 Hauz-e-Shamsi



### Hauz-i-Shamsi Edge Conditions

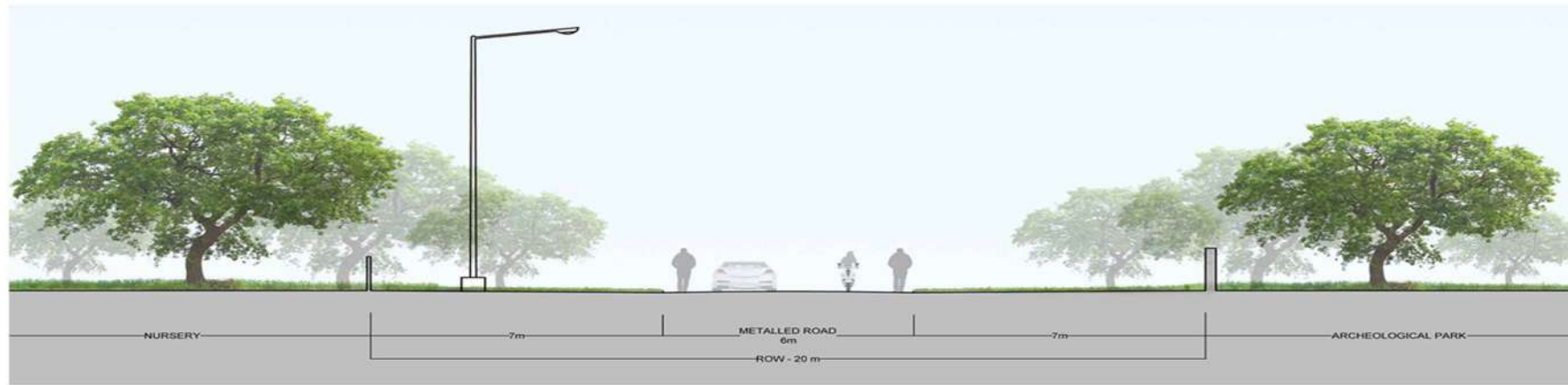


### Zafar Mahal Edge Conditions

AR. PURNOOR K. & AR. WARISHA K.Z.

# QUTUB MINAR PRECINCT (MEHRAULI & LADOSARAI)

## PHASE 1 AND 2 PROPOSALS



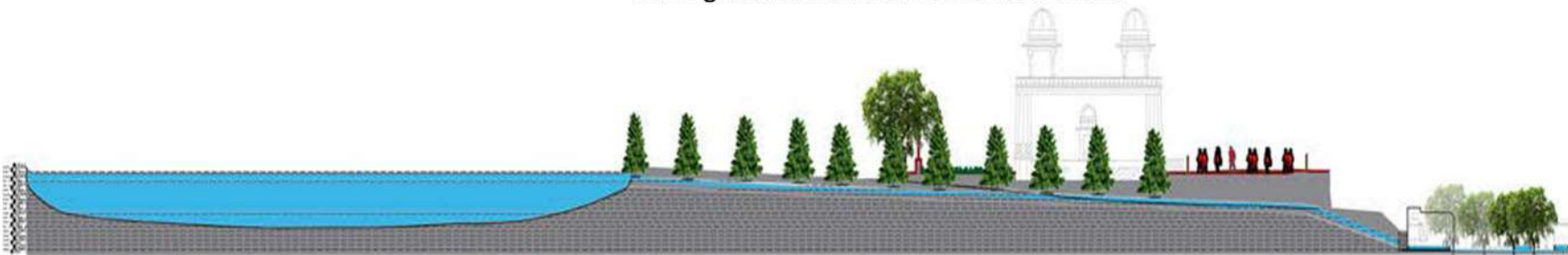
Existing Road Section



Proposed Road Section



Existing Section from Hauz-e-Shamsi to Jharna



Proposed Section from Hauz-e-Shamsi to Jharna



Existing Routes to Qutb Minar



Proposed Route to Qutb Minar



Existing Roads



Proposed Roads



Existing Routes



Proposed Routes

AR. PURNOOR K. & AR. WARISHA K.Z.

# QUTUB MINAR PRECINCT (MEHRAULI & LADOSARAI)

## PHASE 2 AND 3 PROPOSALS

MAJOR ACCESS POINTS ARE IDENTIFIED ALONG THE ROAD

PRIMARY AND SECONDARY AXIS ARE IDENTIFIED

PUNCTURES MADE FOR PEDESTRIAN ACCESS & NURSERY

OPEN-AIR MUSEUM IS PROPOSED WITH DIFFERENT THEMES

MAJOR AXIS

SECONDARY AXIS

PUNCTURES

CHARACTER

MODULE OF STREETSCAPE

MEDIAN

OPEN-AIR MUSEUM

CONCEPTUAL SECTION

PROPOSAL

Proposal -Streetscape, Open-Air Museum and Reclaiming Public Space For Walking and Cycling



Existing Stretch (Anuvrat Marg)



Proposed Stretch(Anuvrat Marg)



Existing Plan of Kalu Ram Chowk



Proposed Plan Kalu Ram Chowk



Existing Plan



Proposed Plan

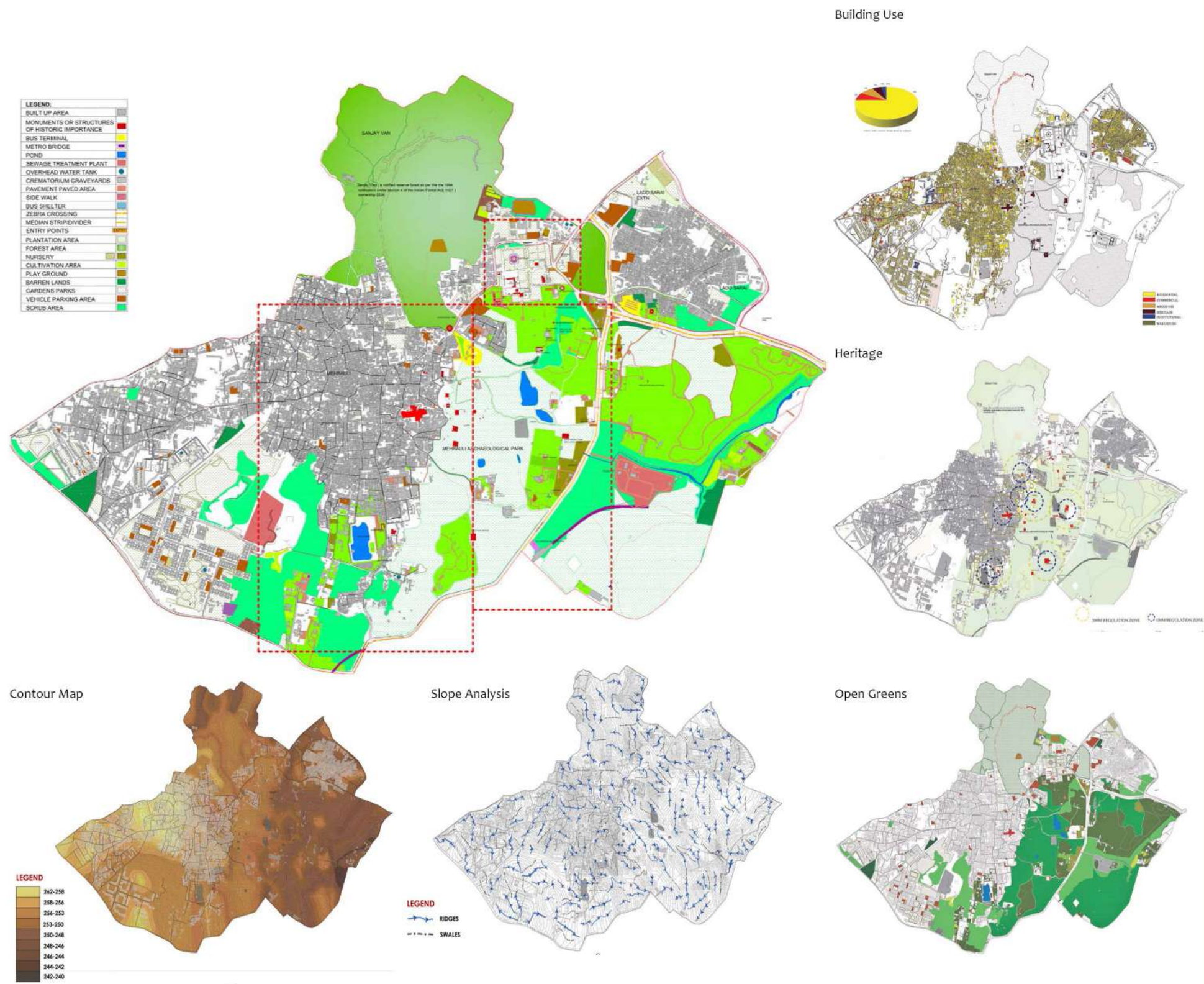
Reviving Jharna through water channel from Hauz-e-Shamsi

AR. PURNOOR K. & AR. WARISHA K.Z.

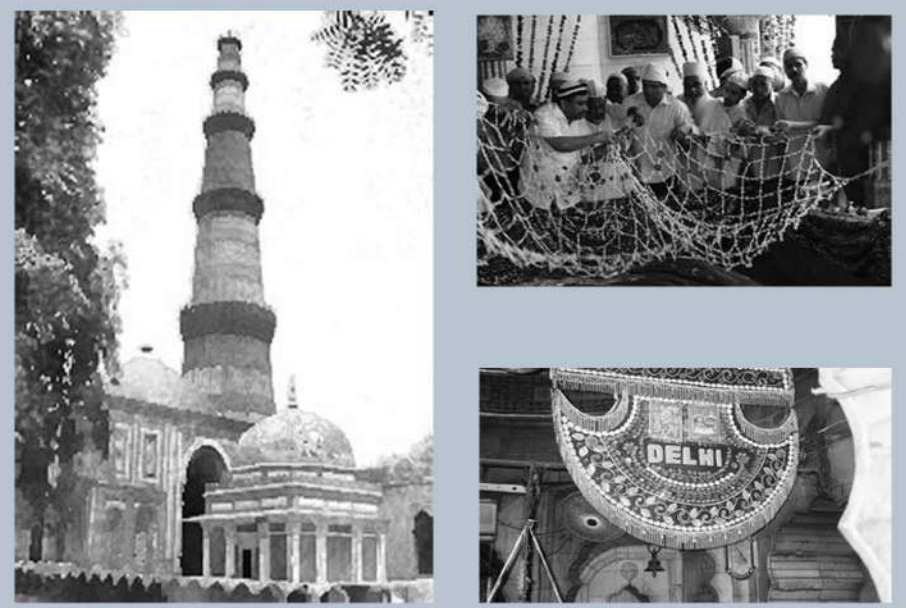


# QUTUB MINAR PRECINCT (MEHRAULI & LADOSARAI)

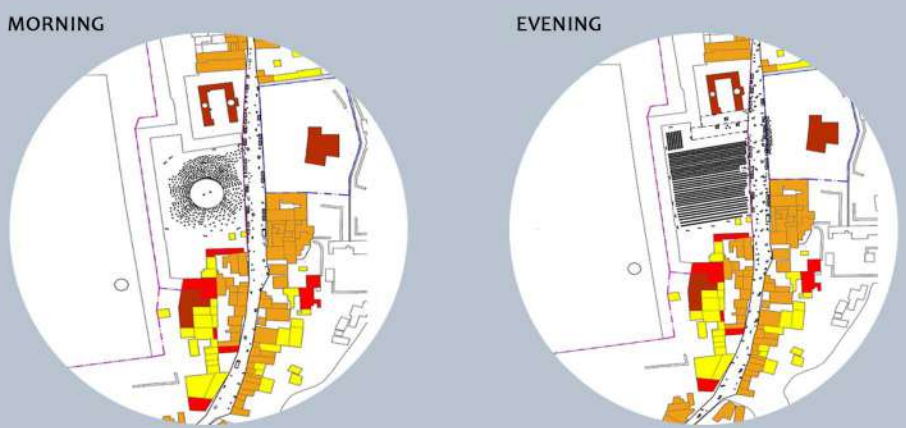
## MAPPINGS OF THE QUTB MINAR PRECINCT



## QUTUB COMPLEX - WORLD HERITAGE SITE



Qutub Comple refers to an array of monuments and buildings at Mehrauli, Delhi, in which Qutub Minar stands out as the most famous one. Qutb-ud-din Aibak, the first ruler of the Slave Dynasty and his successor Iltutmish first constructed the complex in their new city, called the Qila Rai Pithora, near Prithviraj Chauhan's older city. Mughals as well as British have added different structures to the complex.

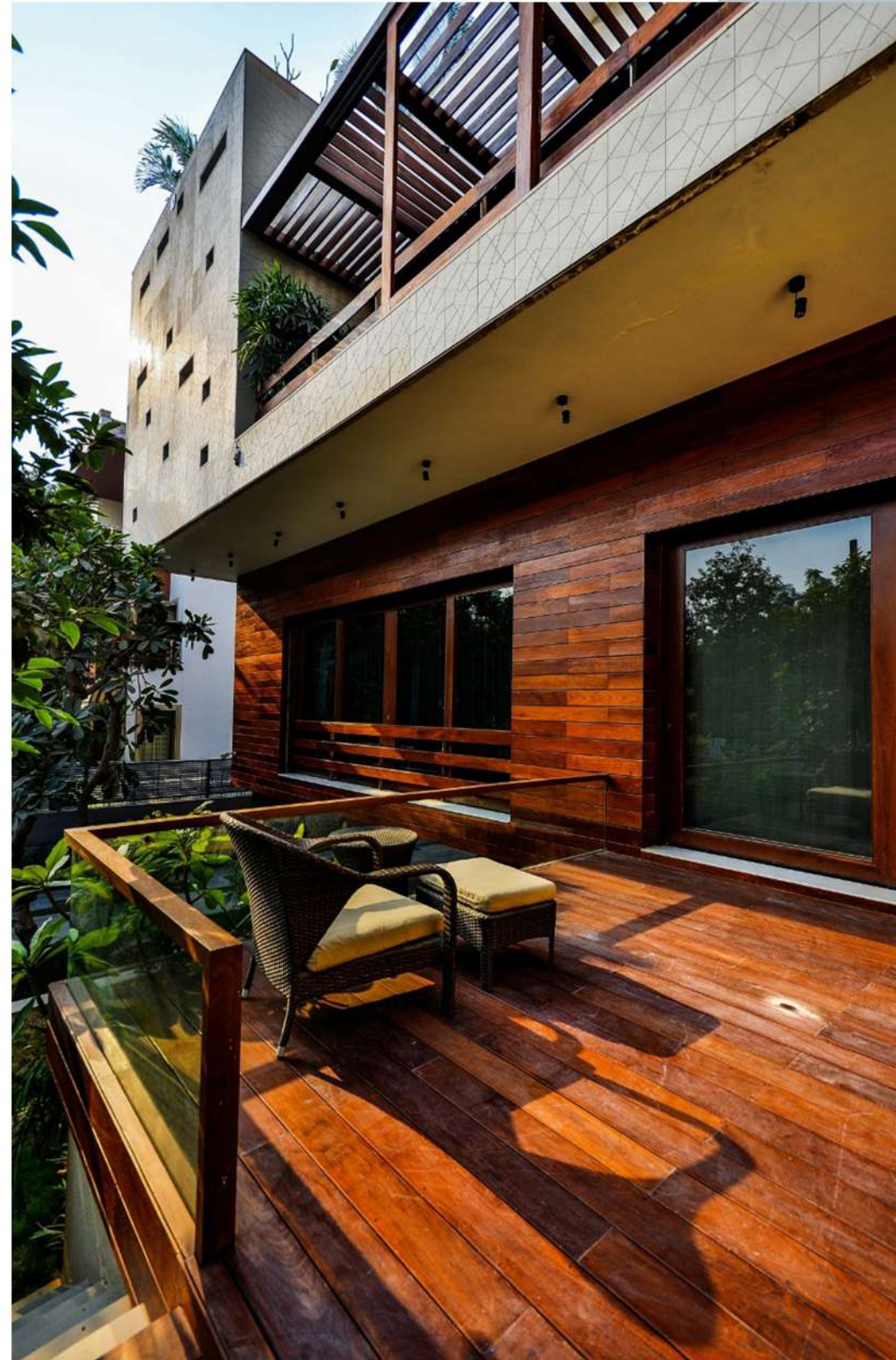
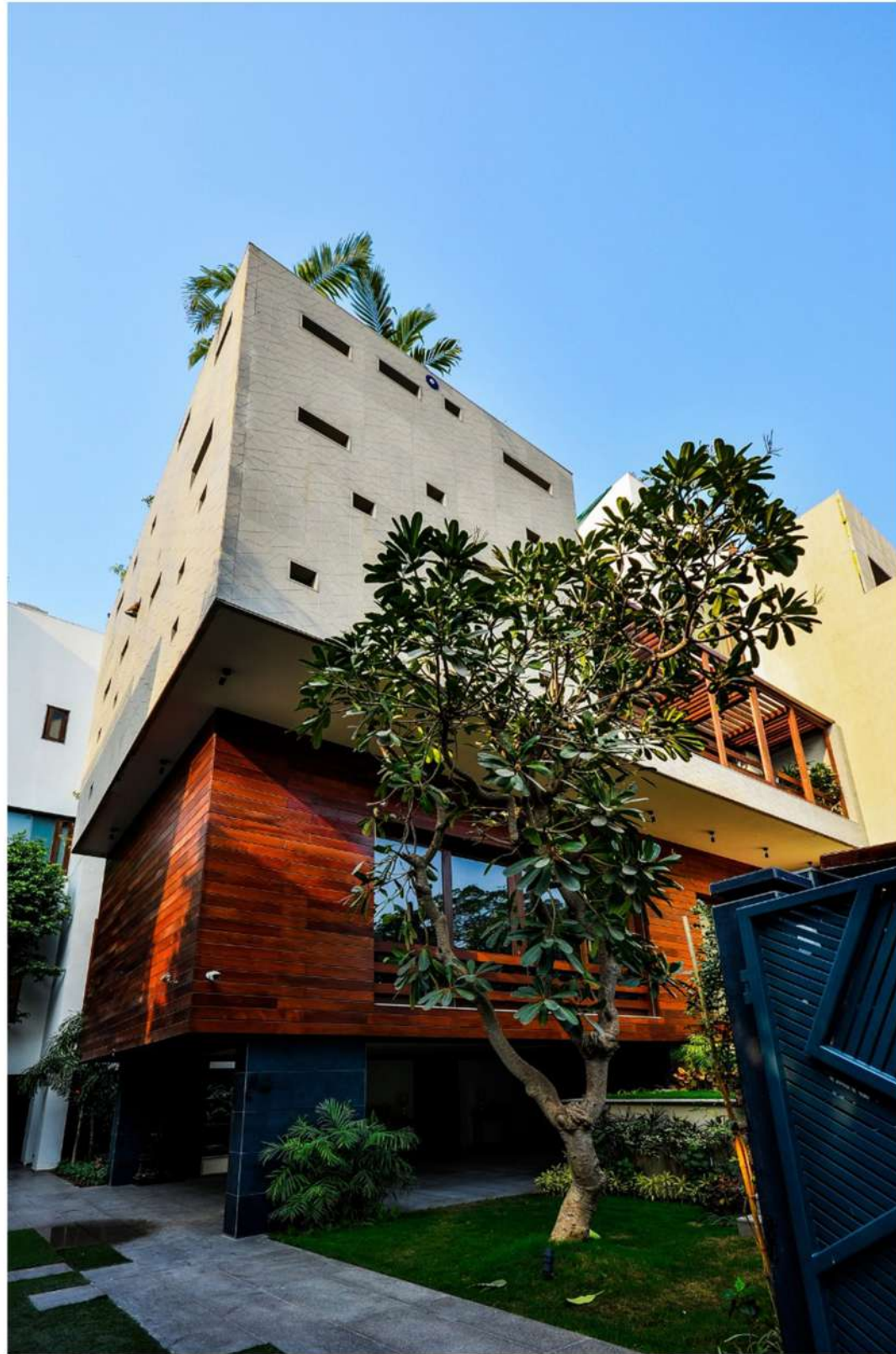


Activity Mapping of Phoolwalon ki Sair was done on all the three days of the event. Above represents the single day mapping.

**Phoolwalon Ki Sair**  
It is a week long festival and a unique phenomena when Hindus and Muslims together offer the floral chaadar and pankha at the Dargah of Khwaja Bakhtiar 'Kaaki' in Mehrauli and floral pankha and chhatra (canopy) is offered at the ancient temple of Devi Yogmaya, also, In Mehrauli. The pankha has become a symbol of communal harmony and national integration. The Festival is being celebrated since the Mughal period (1812). Crowd increases during this festival so the streets are locked from Jahaz Mahal to Andheria chowk.

AR. PURNOOR K. & AR. WARISHA K.Z.

# EXPOSED FINISHED



AR. WARISHA  
(UNDER AR.DEEPANJALI CHAWLA)

# ARCHITECTURE : FACADE DESIGN



# ARCHITECTURE : FACADE DESIGN



# ARCHITECTURE : FACADE DESIGN



# LANDSCAPE

**As designers versed in both environmental and cultural systems, landscape designers are uniquely positioned to bring related professions together into new alliances to address complex social and ecological problems. Landscape designers bring different and often competing interests together so as to give artistic physical form and integrated function to the ideals of equity, sustainability, resiliency and democracy.**

**Food, water, oxygen – everything that sustains us comes from and returns to the landscape. What we do to our landscapes we ultimately do to ourselves.**

**We aim to create places that serve the higher purpose of social and ecological justice for all the species of this World. We vow to serve the health and well-being of all communities. Our motto is to create Low-maintenance, User friendly and Eco-friendly landscape design. We aim to**



# LANDSCAPE/ARCHITECTURE DESIGN



SITE PLAN



SITE SECTION



VEHICULAR MOVEMENT  
14% OF SITE AREA



PEDESTRIAN MOVEMENT  
13% OF SITE AREA

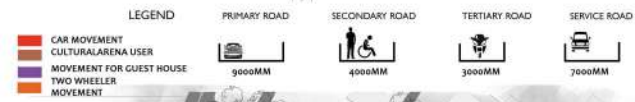


AR. WARISHA K Z

LANDSCAPE  
16% OF SITE AREA

# LANDSCAPE/ARCHITECTURE DESIGN

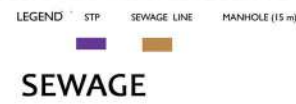
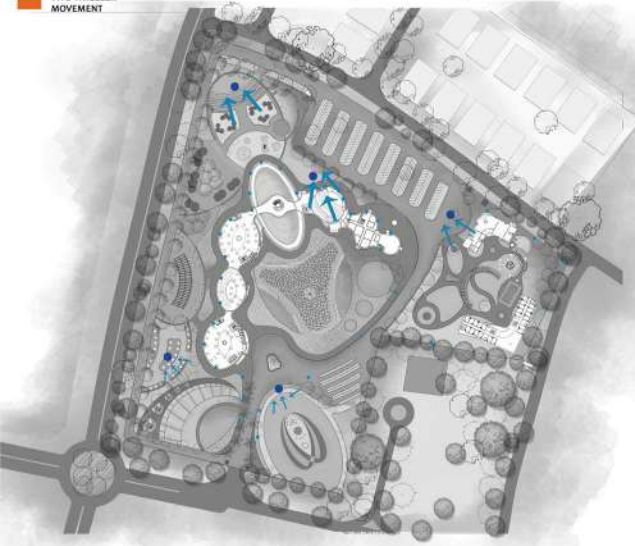
CIRCULATION



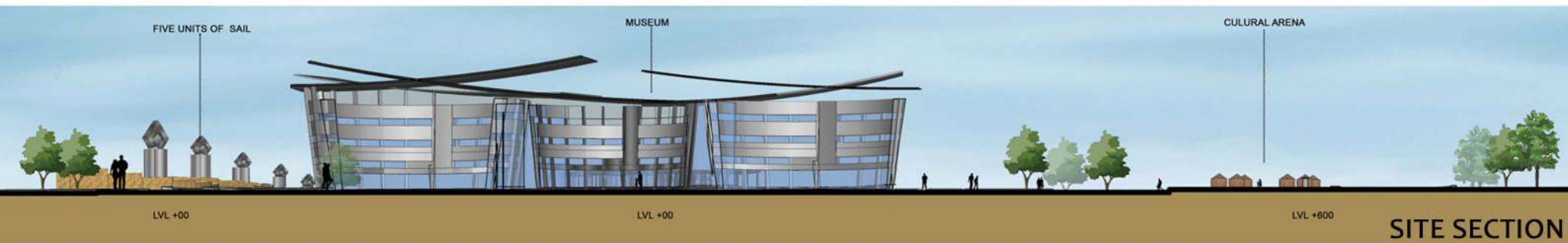
FIRE



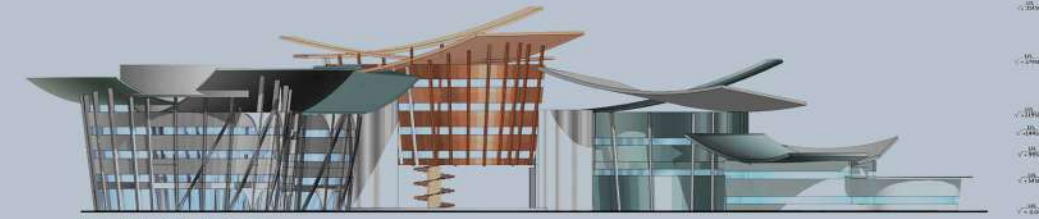
WATER SUPPLY



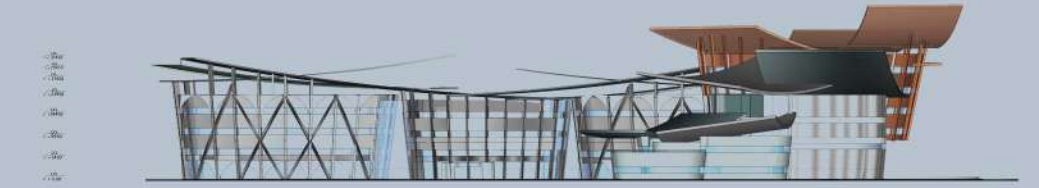
ELECTRIC SUPPLY



SITE SECTION



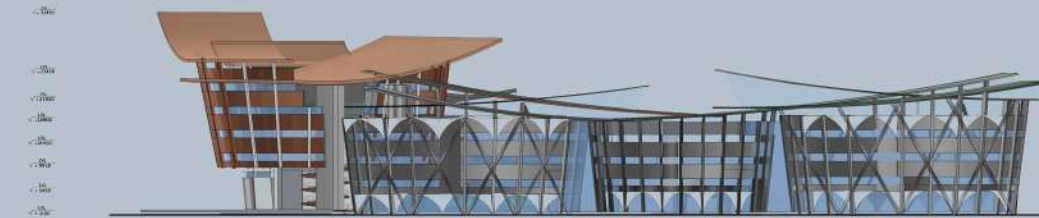
ELEVATION 1



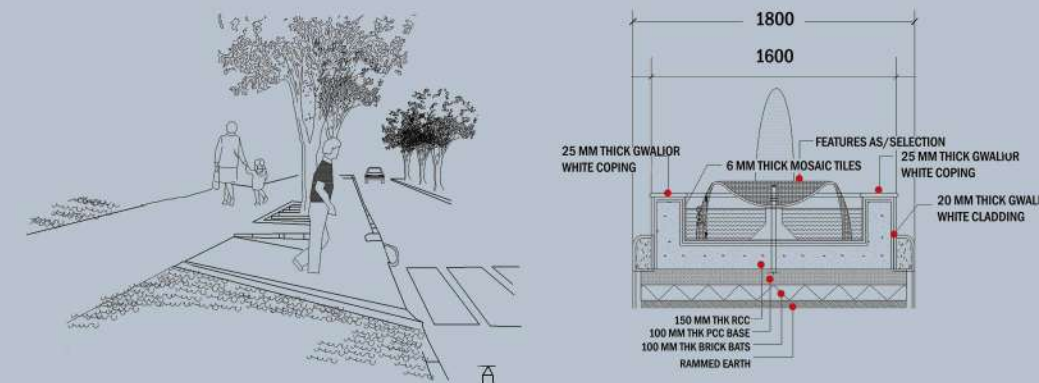
ELEVATION 2



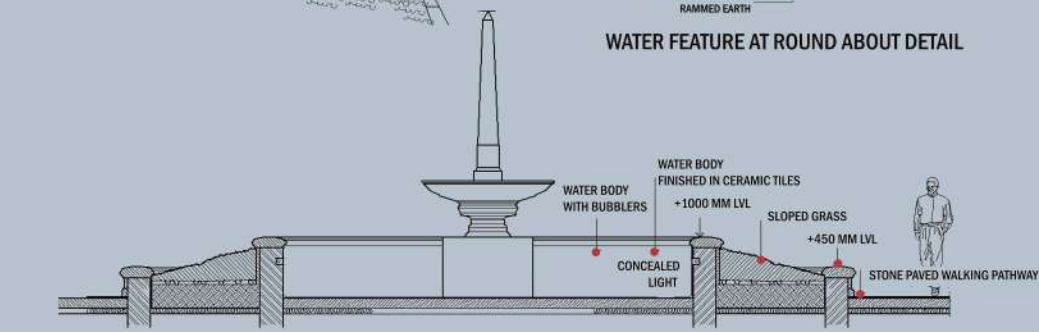
ELEVATION 3



ELEVATION 4



WATER FEATURE AT ROUND ABOUT DETAIL



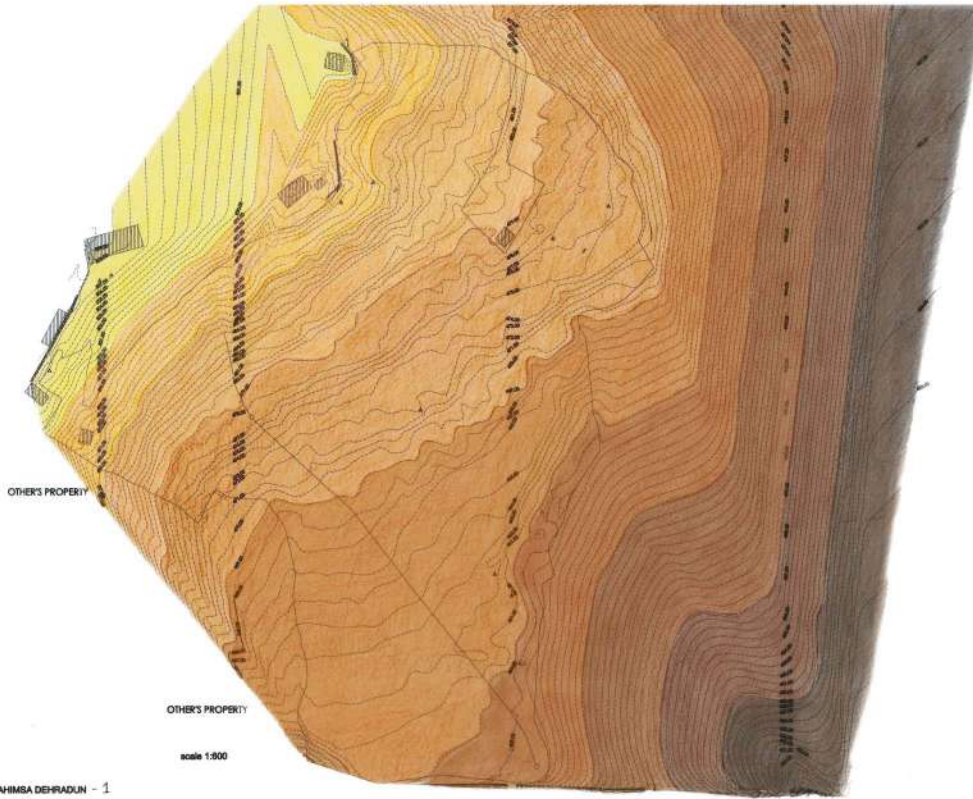
WATER FEATURE DETAILS AT GUEST HOUSE LAWN



# LANDSCAPE DESIGN

## LEGEND

509-499
499-489
489-479
479-469
469-459
459-449
449-439
439-429
429-420



CONTOUR INTERVAL = V = 1M  
AND SCALE OF DRAWING = 1:600

NOW, MINIMUM DISTANCE = H = 0.002M  
=> 0.002 X 600 = 1.2M  
THEREFORE, MAXIMUM SLOPE = (V/H)X100 = 83%

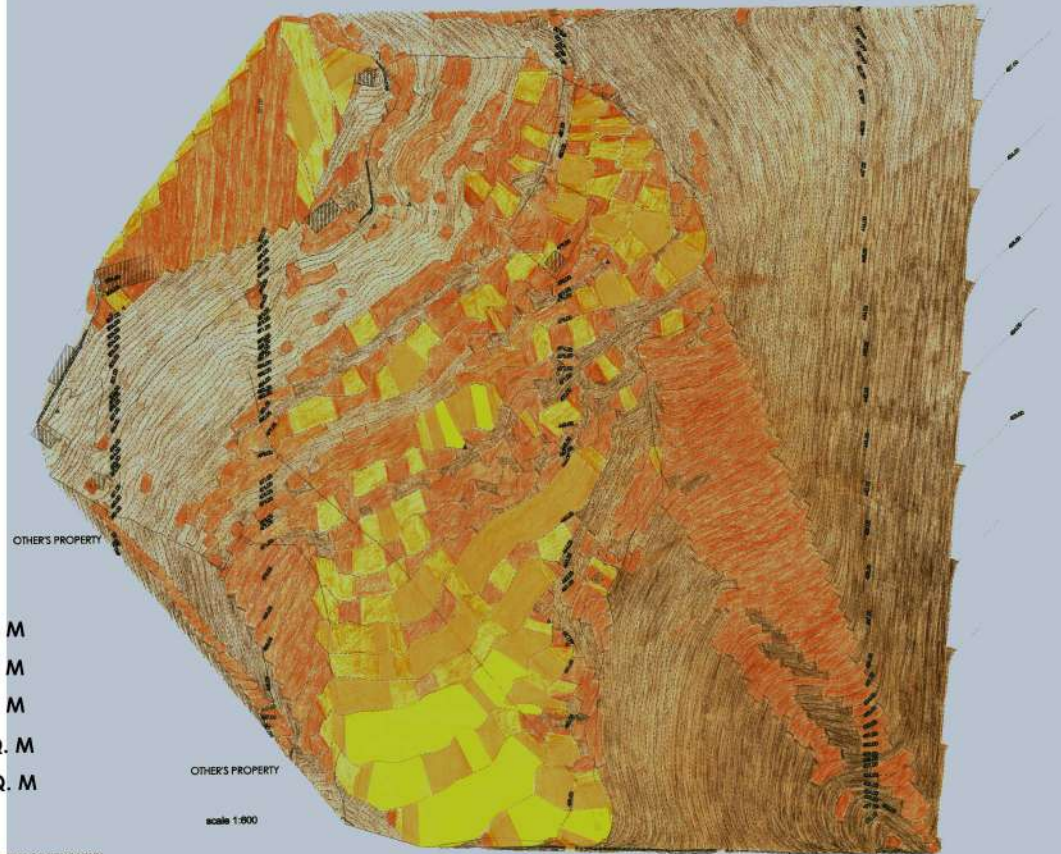
AND NOW, MAXIMUM DISTANCE = H = 0.03M  
=> 0.03 X 600 = 18M  
THEREFORE, MINIMUM SLOPE = (V/H)X100 = 5.5% = 5%  
(ASSUMING 5.5 EQUIVALENT TO 5)

SO, TO MAKE SCALE:  
THE CORRESPONDENCE DISTANCES OF CONTOURS ARE:  
X = (V/H)X100 => H = (100 X V)/X

HENCE, FOR 5% = (1 X 100)/5 = 20M  
SIMILARLY, FOR 8% = (1 X 100)/8 = 12.5M  
FOR 12% = (1 X 100)/12 = 8.3M  
FOR 15% = (1 X 100)/15 = 6.6M  
FOR 30% = (1 X 100)/30 = 3.3M

## LEGEND

5% - 8%	- 1509 SQ. M
8% - 12%	- 3374 SQ. M
12% - 15%	- 5315 SQ. M
15% - 30%	- 6843 SQ. M
30% - MORE	- 18285 SQ. M



THE COEFFICIENT OF RUNOFF (C) IS A DIMENSIONLESS COEFFICIENT RELATING THE AMOUNT OF RUNOFF TO THE AMOUNT OF PRECIPITATION RECEIVED.

IT IS A LARGER VALUE FOR AREAS WITH LOW INFILTRATION AND HIGH RUNOFF (PAVEMENT, STEEP GRADIENT), AND LOWER FOR PERMEABLE, WELL VEGETATED AREAS (FOREST, FLAT LAND)

SOURCE: WWW.WATERBOARDS.CA.GOV/WATER\_ISSUES/PROGRAMS/SWAMP/DOCS/CWT/GUIDANCE/S13.PDF

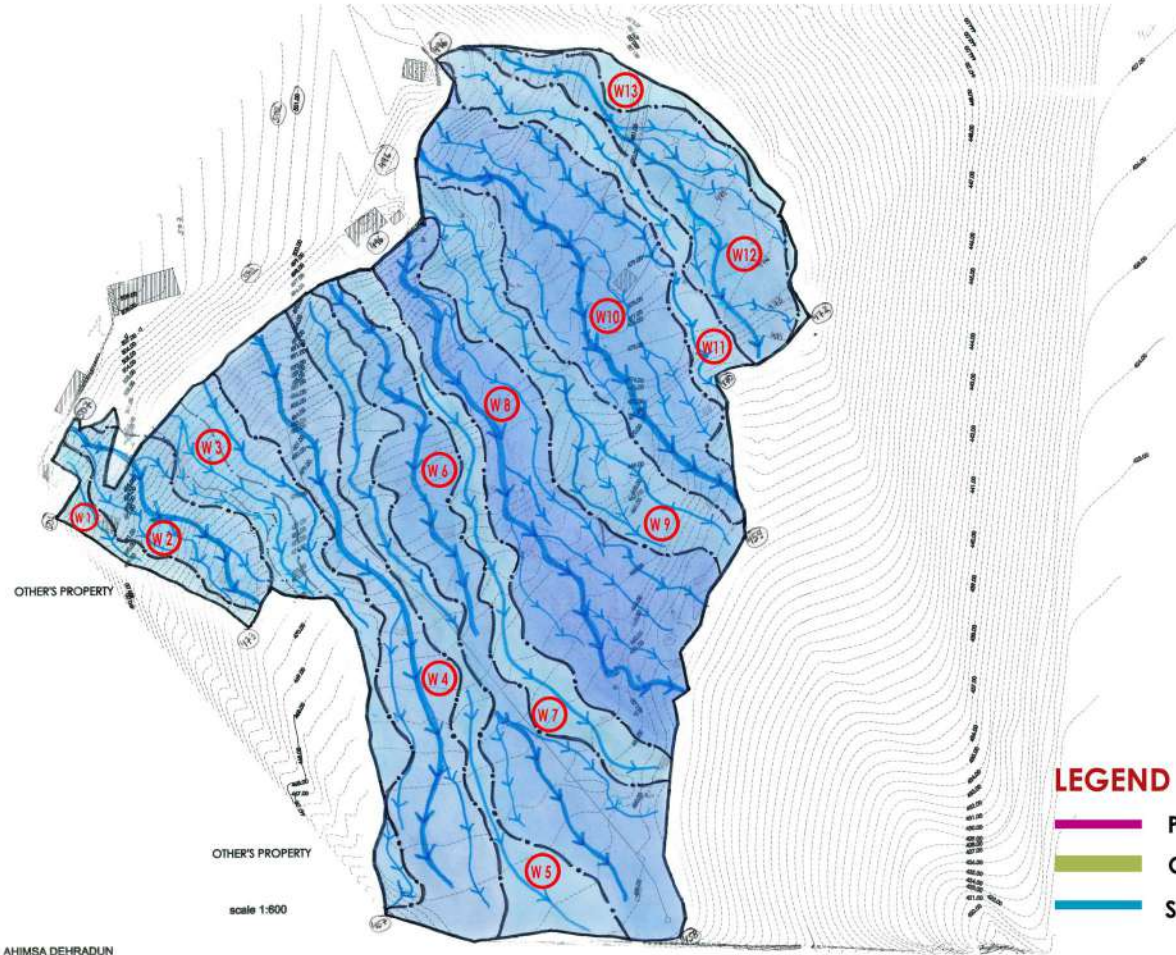
SO, CONSIDERING AHIMSA DEHRADUN AS FOREST LAND, RUNOFF COEFFICIENT RANGES FROM (0.05 - 0.25)  
IN OUR SITE BOUNDARY, CONSIDERING RUNOFF COEFFICIENT = 0.35  
DEHRADUN IS INDIA'S WETTEST STATE CAPITAL WITH AVERAGE RAINFALL OF 2073MM YEARLY

VOLUME OF WATERSHED = ( AREA OF WATERSHED X AVERAGE RAINFALL X COEFFICIENT OF RUNOFF )

VOLUME OF WATERSHED = ( AREA OF WATERSHED X 2.073 X 0.35 ) CUBIC METRES

## LEGEND

W1 = 269000 L
W2 = 789000 L
W3 = 1287000 L
W4 = 2138000 L
W5 = 1361000 L
W6 = 2280000 L
W7 = 1027000 L
W8 = 2564000 L
W9 = 1536000 L
W10 = 2499000 L
W11 = 1208000 L
W12 = 1375000 L
W13 = 292000 L



A SPECIFIC PATTERN CAN BE EASILY SEEN IN THE VEGETATION (FROM NORTH-EAST TO SOUTH-WEST)

VEGETATION IN A PATCH (SIZES ARE NOT EXACTLY SIMILAR, BECAUSE SOME OF THEM MAY BE UNDER GROWN PLANTS)

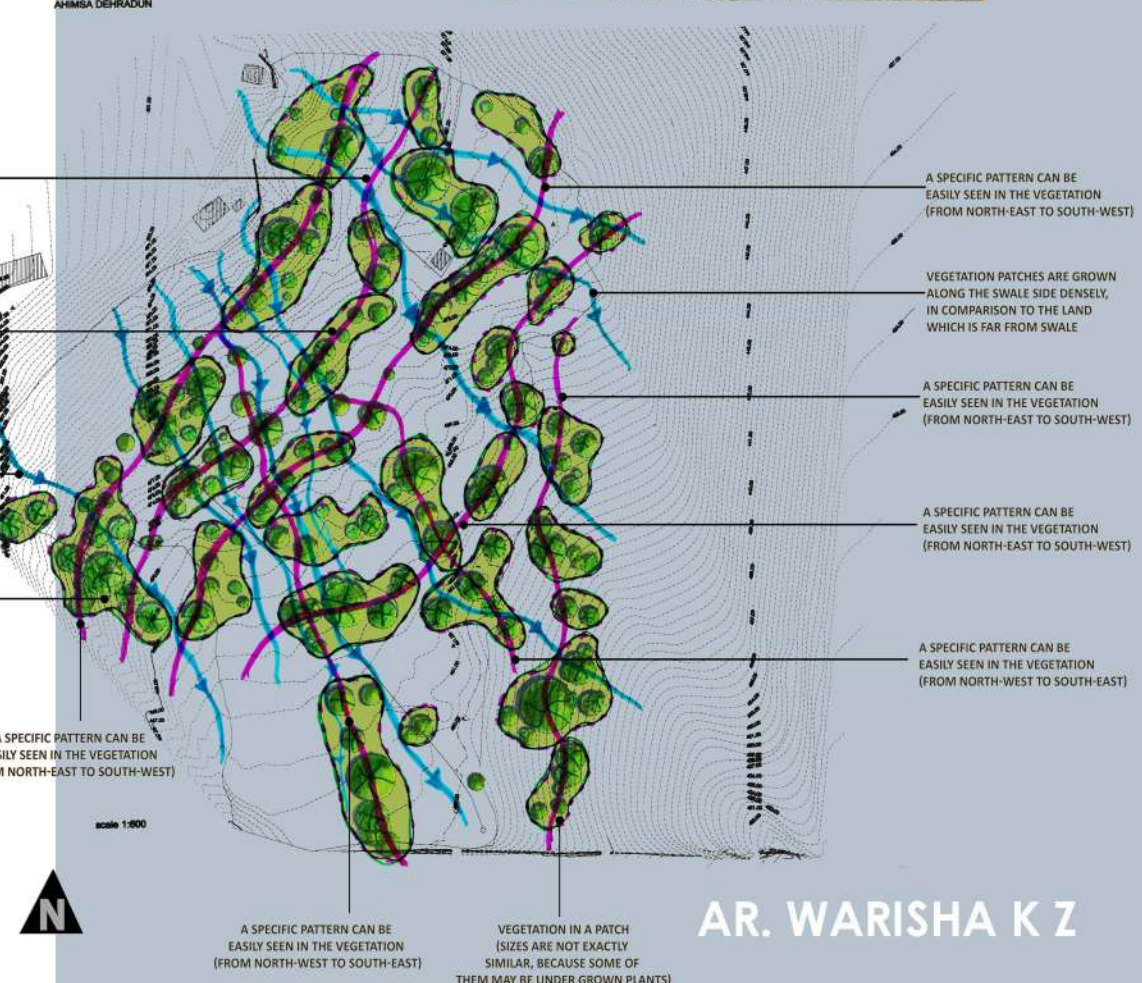
VEGETATION PATCHES ARE GROWN ALONG THE SWALE SIDE DENSELY, IN COMPARISON TO THE LAND WHICH IS FAR FROM SWALE

VEGETATION IN A PATCH (SIZES ARE NOT EXACTLY SIMILAR, BECAUSE SOME OF THEM MAY BE UNDER GROWN PLANTS)

A SPECIFIC PATTERN CAN BE EASILY SEEN IN THE VEGETATION (FROM NORTH-EAST TO SOUTH-WEST)

## LEGEND

	PATTERN OF VEGETATIONS
	GREEN PATCHES
	SWALES



A SPECIFIC PATTERN CAN BE EASILY SEEN IN THE VEGETATION (FROM NORTH-WEST TO SOUTH-EAST)

VEGETATION IN A PATCH (SIZES ARE NOT EXACTLY SIMILAR, BECAUSE SOME OF THEM MAY BE UNDER GROWN PLANTS)

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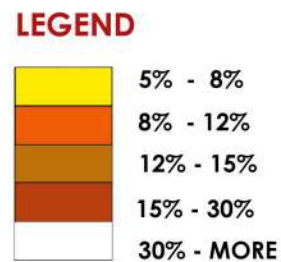
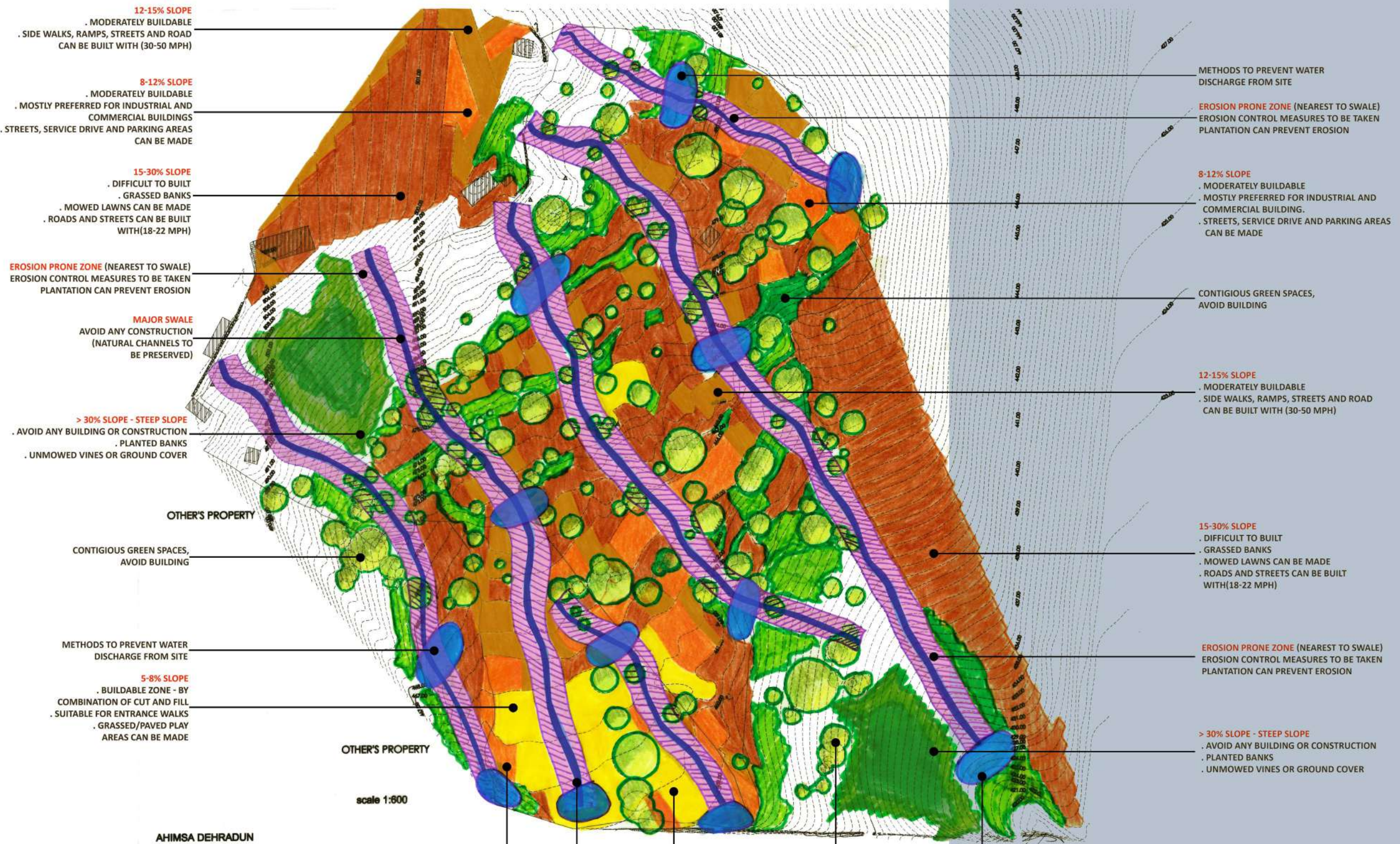
A SPECIFIC PATTERN CAN BE EASILY SEEN IN THE VEGETATION (FROM NORTH-EAST TO SOUTH-WEST)

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A SPECIFIC PATTERN CAN BE EASILY SEEN IN THE VEGETATION (FROM NORTH-WEST TO SOUTH-EAST)

AR. WARISHA K Z

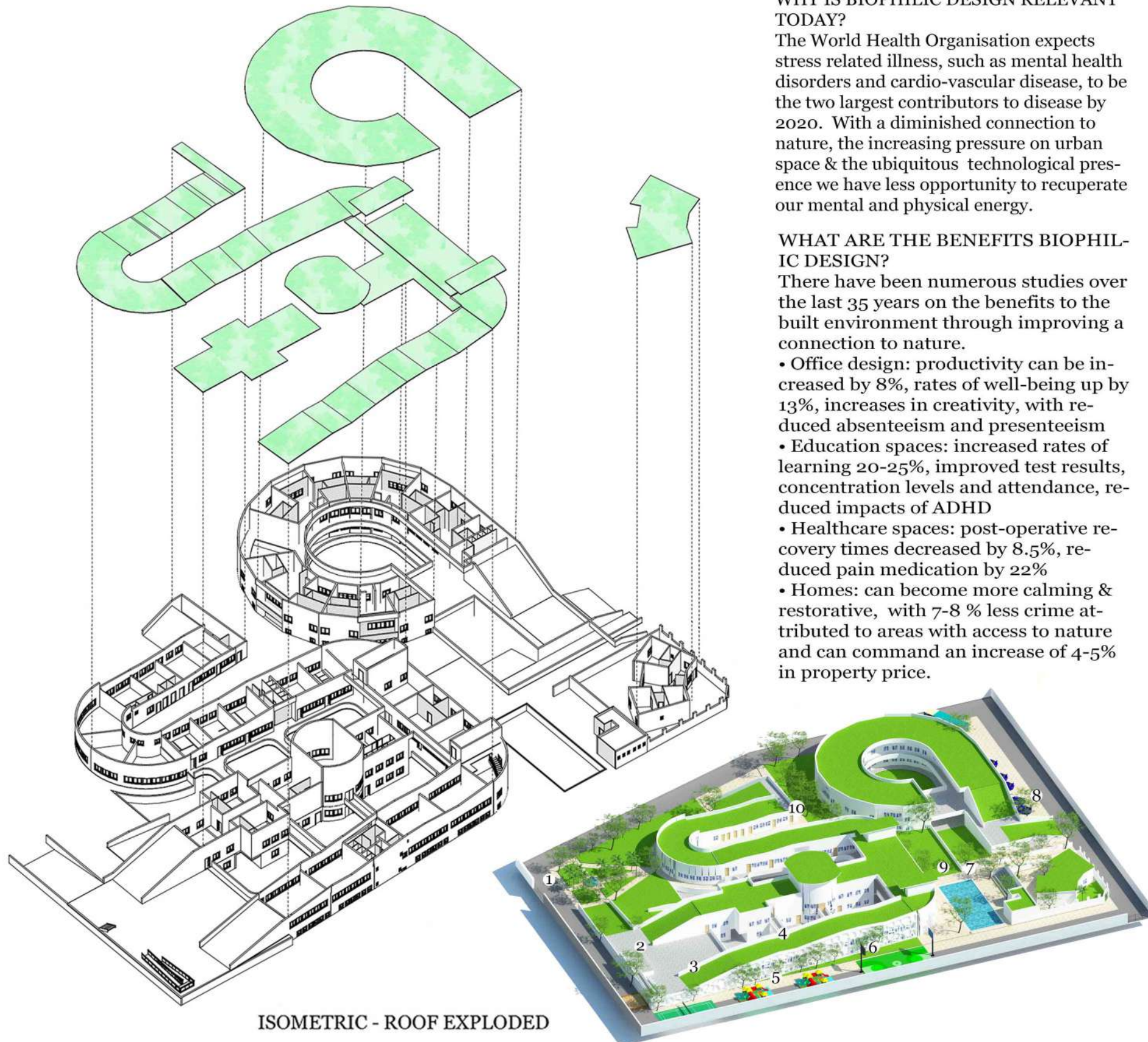
# LANDSCAPE DESIGN



- 8-12% SLOPE**  
 . MODERATELY BUILDABLE  
 . MOSTLY PREFERRED FOR INDUSTRIAL AND COMMERCIAL BUILDING.  
 . STREETS, SERVICE DRIVE AND PARKING AREAS CAN BE MADE
- MAJOR SWALE, AVOID ANY CONSTRUCTION (NATURAL CHANNELS TO BE PRESERVED)**
- 5-8% SLOPE**  
 . BUILDABLE ZONE - BY COMBINATION OF CUT AND FILL  
 . SUITABLE FOR ENTRANCE WALKS  
 . GRASSED/PAVED PLAY AREAS CAN BE MADE
- CONTIGIOUS GREEN SPACES, AVOID BUILDING**
- METHODS TO PREVENT WATER DISCHARGE FROM SITE**

AR. WARISHA K Z

# ARCHITECTURE/LANDSCAPE DESIGN



ISOMETRIC - ROOF EXPLODED

## WHY IS BIOPHILIC DESIGN RELEVANT TODAY?

The World Health Organisation expects stress related illness, such as mental health disorders and cardio-vascular disease, to be the two largest contributors to disease by 2020. With a diminished connection to nature, the increasing pressure on urban space & the ubiquitous technological presence we have less opportunity to recuperate our mental and physical energy.

## WHAT ARE THE BENEFITS BIOPHILIC DESIGN?

There have been numerous studies over the last 35 years on the benefits to the built environment through improving a connection to nature.

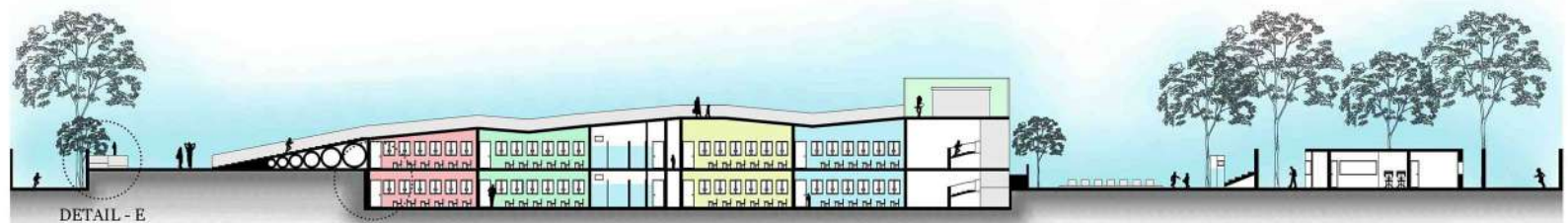
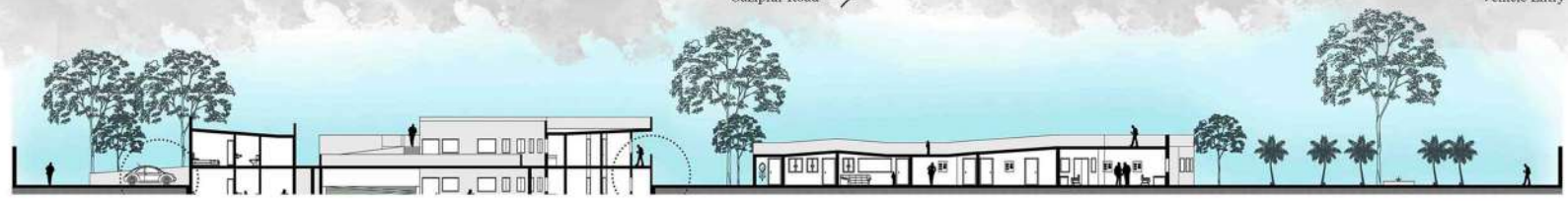
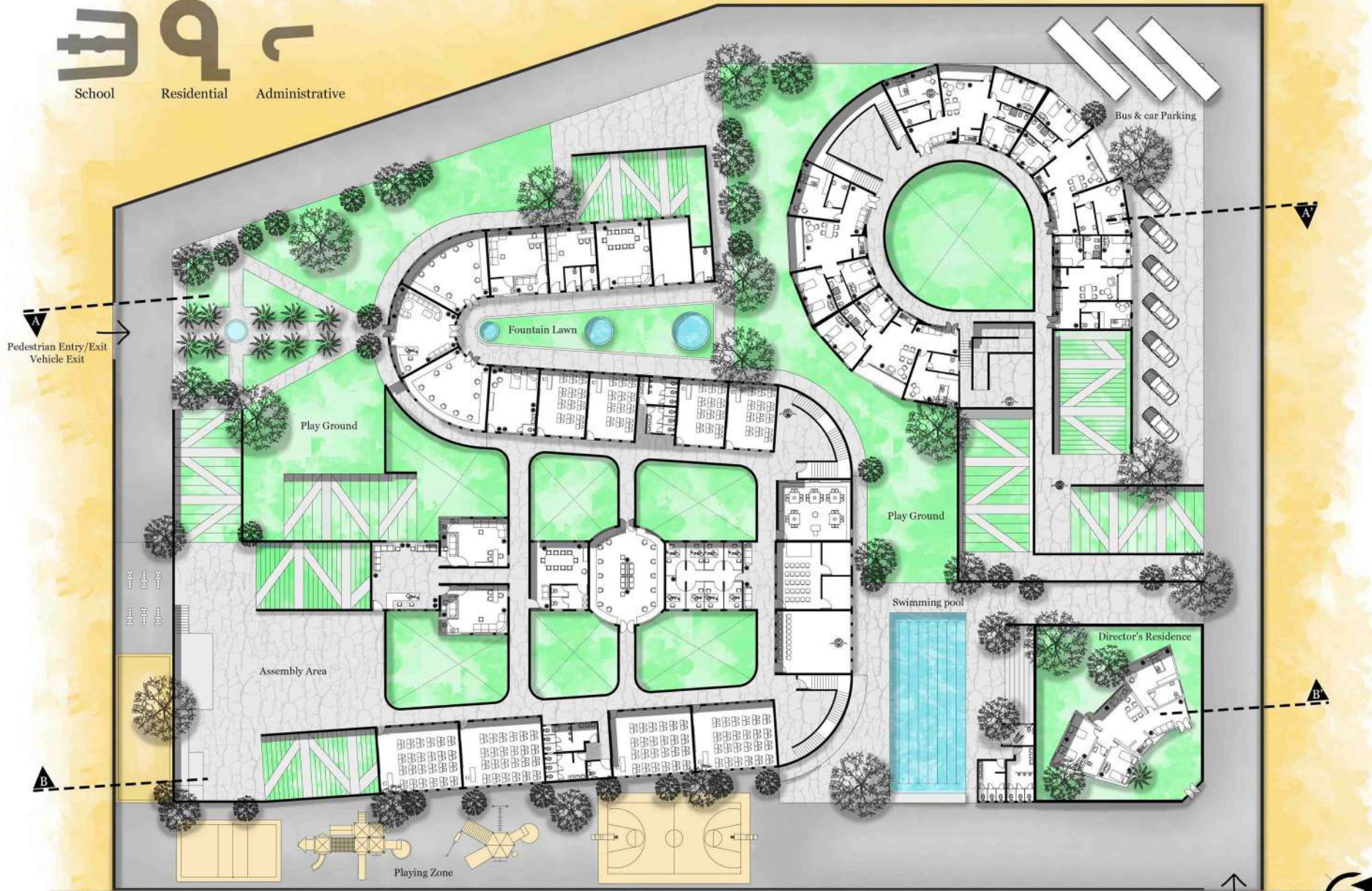
- Office design: productivity can be increased by 8%, rates of well-being up by 13%, increases in creativity, with reduced absenteeism and presenteeism
- Education spaces: increased rates of learning 20-25%, improved test results, concentration levels and attendance, reduced impacts of ADHD
- Healthcare spaces: post-operative recovery times decreased by 8.5%, reduced pain medication by 22%
- Homes: can become more calming & restorative, with 7-8 % less crime attributed to areas with access to nature and can command an increase of 4-5% in property price.



# ARCHITECTURE/LANDSCAPE DESIGN



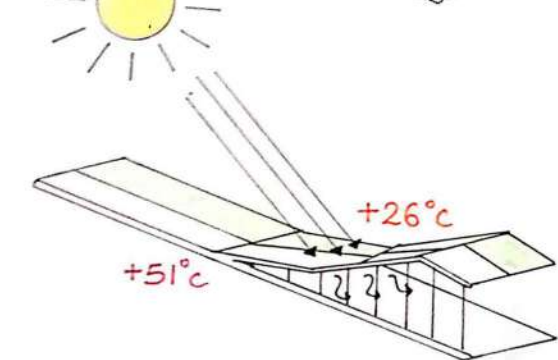
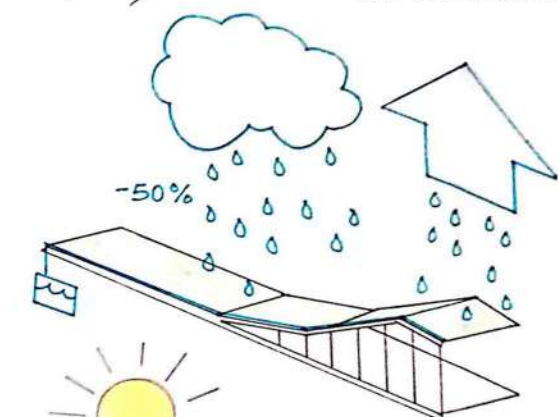
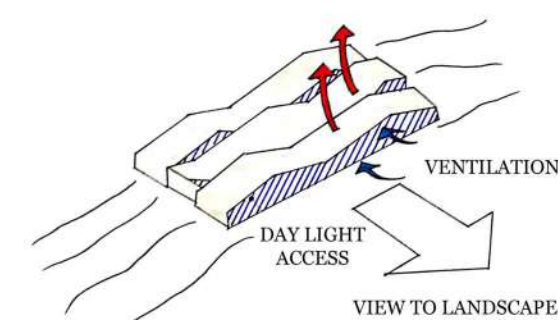
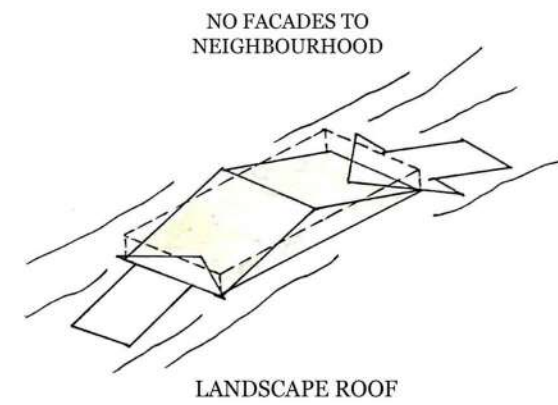
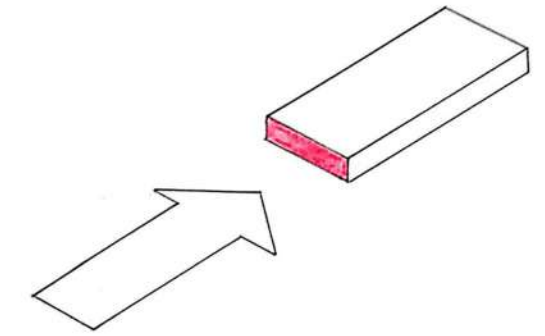
School Residential Administrative



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