



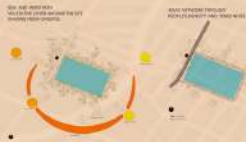
ARC 401—SPRING'21  
MARNIA JABEEN SHUSHMI  
17308012

P O R T F O L I O  
U R B A N D E S I G N

# 01

## [RE] THINKING INFORMAL PUBLIC SPACE FOR SOCIALIZATION CONSIDERING THE SOCIAL DISTANCING

### SITE ANALYSIS



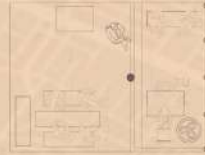
01

### ISSUES



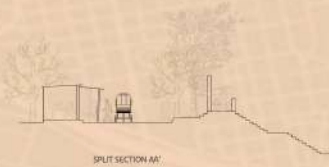
02

### FLOOR PLANS



03

### SECTIONS



03

### STRATEGIES



-USING SIGNAGE FOR INSTRUCTIONS

04

# 02

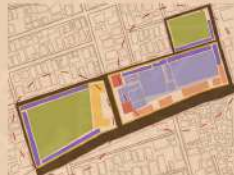
## REVIVING MOHAMMADPUR TOWN HALL AREA

### SITE ANALYSIS



05-06

### ISSUES



07

### STRATEGIES



08-09

### FLOOR PLANS AND DETAILS



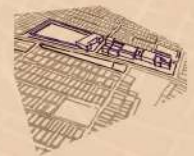
10-12

### SECTIONS AND ELEVATIONS



13-14

### THREE DIMENSIONAL DRAWINGS



15-16

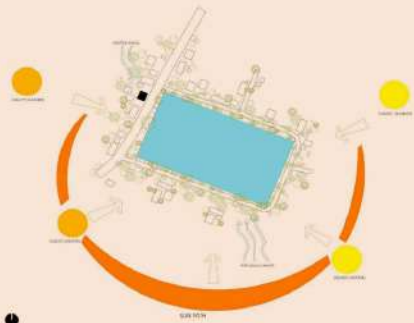
# C O N T E N T S

# 01

## [RE] THINKING INFORMAL PUBLIC SPACE FOR SOCIALIZATION CONSIDERING THE SOCIAL DISTANCING

### SITE ANALYSIS

SUN AND WIND PATH  
VEGETATIVE COVER AROUND THE SITE  
SHADING FROM CANOPIES



ROAD NETWORK TYPOLOGY  
PEOPLE'S DENSITY AND ROAD NOISE



USE OF STRUCTURES AROUND THE SITE



VARIOUS USER GROUP BASED ON  
AGE CATEGORY AND MOSTLY USED SPACES  
-AT 4PM (SUNSHINE: 0.05% PROBABILITY OF RAIN)



### SITE LOCATION



TEA STALL OPPOSITE TO UPENDRA SOROBOR



PRIMARY ROAD



SECONDARY ROAD



KALI MONDIR



SHIB MONDIR



UPENDRA SOROBOR, NAGARPUR, TANGAIL



UPENDRA SOROBOR



UPENDRA SOROBOR MAIN GHAT

# ISSUES

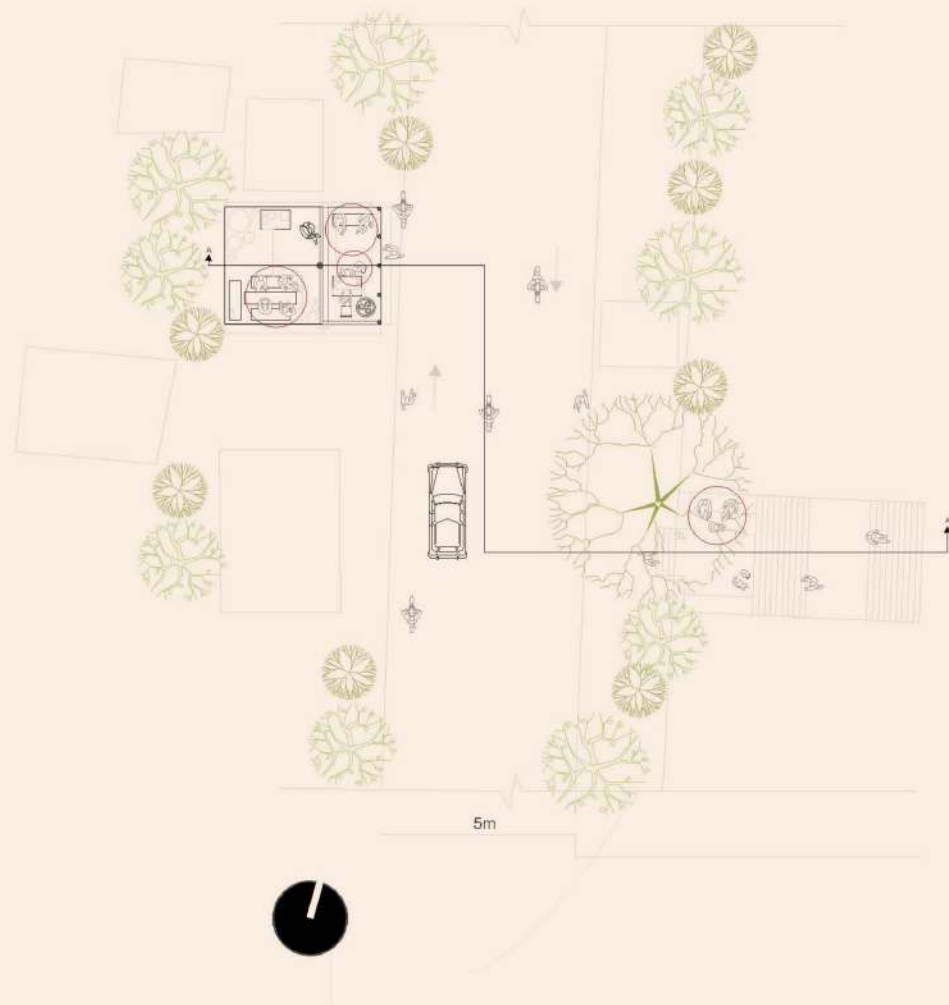
LACK OF PEDESTRIAN

LACK OF SPACE FOR MAINTAINING PROPER DISTANCE

CLUSTERED SITTING AREAS

LACK OF SANITIZATION ZONE

LACK OF PARKING AREA



## TYPES OF USERS BASED ON ACTIVITIES



LOCAL PEOPLE

VISITORS

VENDORS

RICKSHAW PULLER/AUTO RICKSHAW OWNER



PLAN AND SECTION



GROUND FLOOR PLAN OF THE EXISTING TEA STALL



DETAILED PLAN OF THE EXISTING TEA STALL



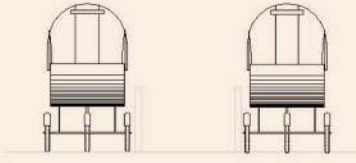
SPLIT SECTION AA'

# STRATEGIES

- ORGANIZING PEDESTRIAN
- MAINTAINING SAFE-GRID OF 1M
- USING OF COLOUR CODE AND SIGNAGE FOR INSTRUCTIONS
- ORGANIZING A SANITIZATION ZONE
- ADDITION OF PARKING SPACES



-MAINTAINING 1M\*1M SAFE GRID SYSTEM TO MAINTAIN PROPER SOCIAL DISTANCING



-ORGANIZING PARKING SPACES TO ENSURE UNINTEREPTED PEDESTRIAN FLOW AND TO CREATE MORE SPACE IN FRONT OF THE TEA STALL



-USING SIGNAGE FOR INSTRUCTIONS



-USING PLANTER BOX'S TO MAINTAIN SOCIAL DISTANCING



# 02

## REVIVING MOHAMMADPUR TOWN HALL AREA

### SITE ANALYSIS



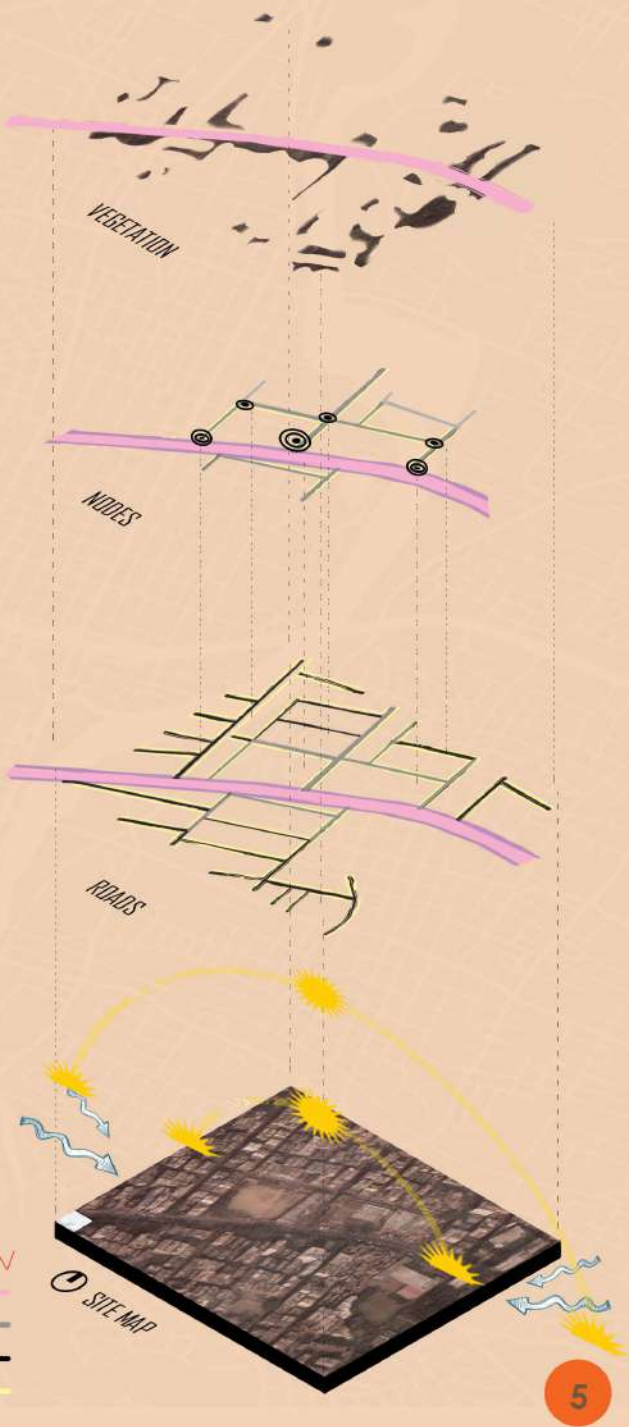
#### LEGENDS

|                                                                                                                                       |                                                                                                                                             |                                                                                                                                     |                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <span style="display:inline-block; width:15px; height:15px; background-color: #90EE90; border: 1px solid black;"></span> FIELD / PARK | <span style="display:inline-block; width:15px; height:15px; background-color: #8B4513; border: 1px solid black;"></span> LIBRARY            | <span style="display:inline-block; width:15px; height:15px; background-color: #654321; border: 1px solid black;"></span> ROAD       | <span style="display:inline-block; width:15px; height:15px; background-color: #FF4500; border: 1px solid black;"></span> MARKET |
| <span style="display:inline-block; width:15px; height:15px; background-color: #8B0000; border: 1px solid black;"></span> MOSQUE       | <span style="display:inline-block; width:15px; height:15px; background-color: #D2691E; border: 1px solid black;"></span> COUNCILOR'S OFFICE | <span style="display:inline-block; width:15px; height:15px; background-color: #FFFF00; border: 1px solid black;"></span> PEDESTRIAN |                                                                                                                                 |



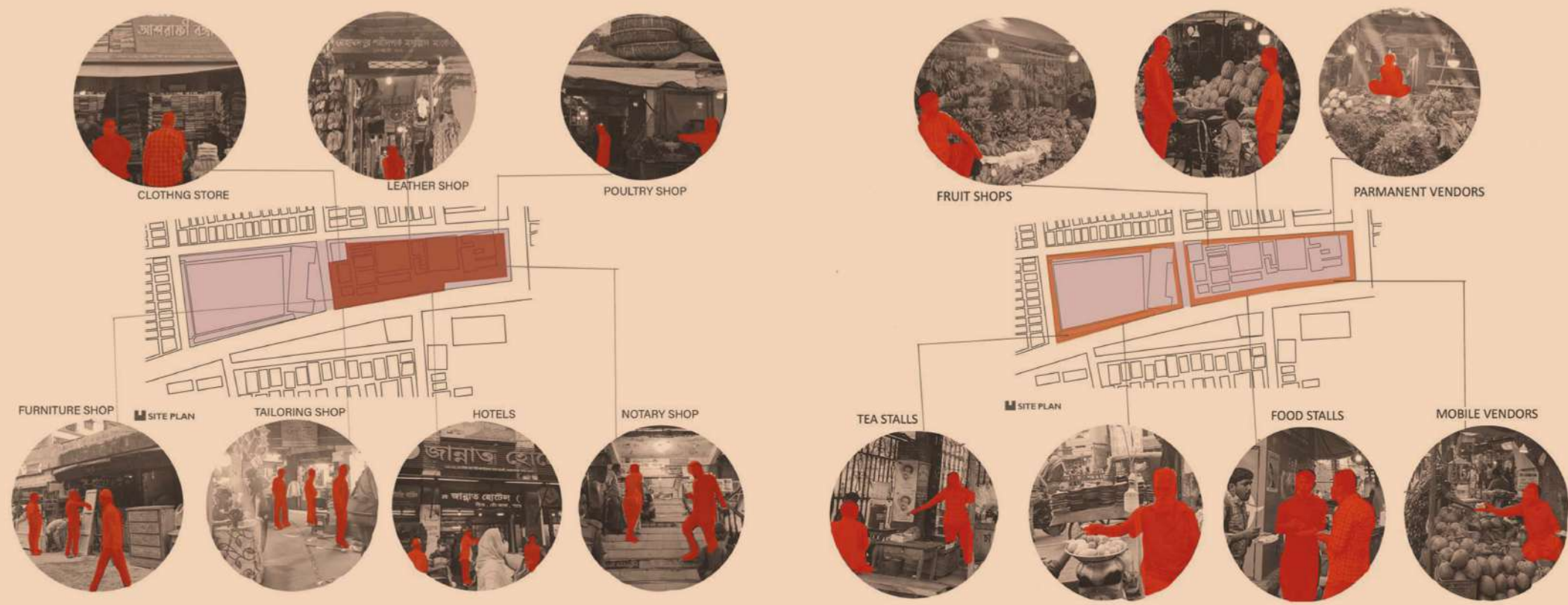
#### KEY

|                                                                                                                                        |                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <span style="display:inline-block; width:15px; height:15px; background-color: #FFD700; border: 1px solid black;"></span> NODE          | <span style="display:inline-block; width:15px; height:15px; background-color: #FFD700; border: 1px solid black;"></span> NOISE           |
| <span style="display:inline-block; width:15px; height:15px; background-color: #FFD700; border: 1px solid black;"></span> MAIN ROAD     | <span style="display:inline-block; width:15px; height:15px; background-color: #FFD700; border: 1px solid black;"></span> SECONDARY ROADS |
| <span style="display:inline-block; width:15px; height:15px; background-color: #FFD700; border: 1px solid black;"></span> PRIVATE ROADS | <span style="display:inline-block; width:15px; height:15px; background-color: #FFD700; border: 1px solid black;"></span> PEDESTRIAN      |



# S I T E A N A L Y S I S

ANALYSIS



LOST THE MAIN GOAL OF “TOWNHALL”

USER ANALYSIS (AGE)



NO CULTURAL ACTIVITY



NO FORMAL GATHERING



NOW A MARKET PLACE



51+  
24+  
25-50

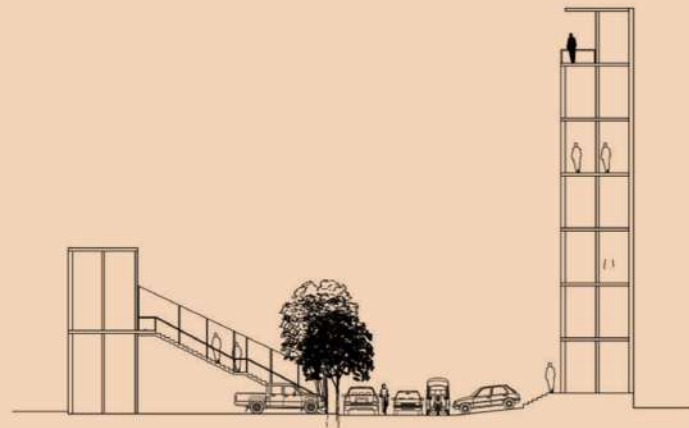


MOST OF THE USERS ARE MIDDLE AGE GROUP. CONSUMERS AND BUYERS MEET SELLERS HERE. NO LUXURY OR EXPENSIVE PRODUCT. LOWER INCOME GROUP, LOWER-MIDDLE INCOME GROUP, MIDDLE INCOME GROUP MOSTLY COME. RARE UPPER-MIDDLE AND UPPER INCOME GROUP PEOPLE.

# ISSUE IDENTIFICATION

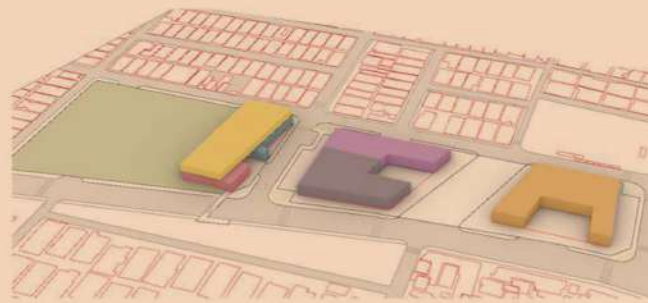
01

**ABSENCE OF  
WALKABILITY**



02

**ABSENCE OF FUNCTIONAL  
SPACE DISTRIBUTION**

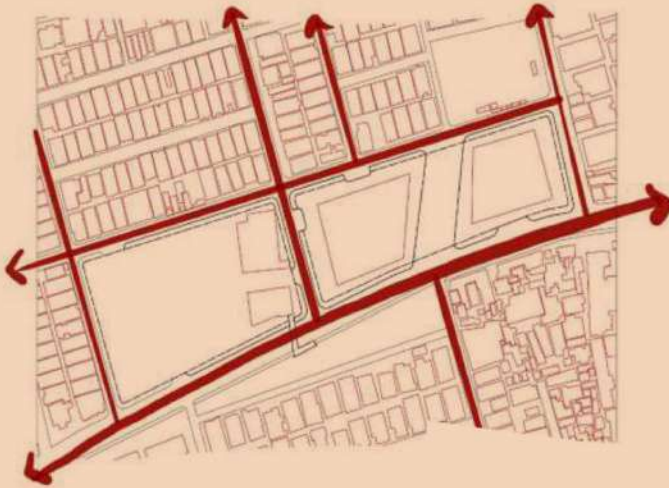


03

**LACK OF GREEN PATCH  
AND BREATHING SPACE**



# STRATEGIES



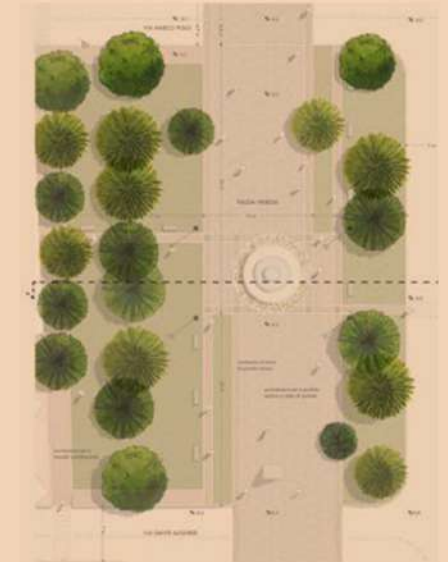
## IMPROVE WALKABILITY

THE SPACES ARE IMPROVED BY CHANGING ROAD ACCESSSES, CREATING PEDESTERIAN FRIENDLY WALKWAYS AND ENCOURAGING PUBLIC TRANSPORT



## CREATE INTERACTIVE AND COMMUNITY SPACES

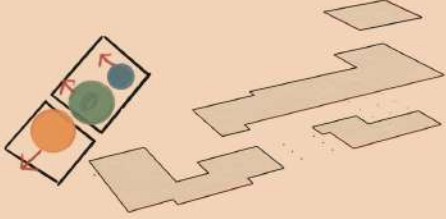
CREATING DIFFERENT LAYERS OF PUBLIC SPACES AND CHANGING THE QUALITY OF EXISTING PLACES



## INCREASE VEGETATION

INCREASE VEGETATION AND GREEN PATCHES AROUND THE SITE

## DESIGN CONSIDERATIONS



CREATE DIFFERENT ZONES AND LAYERS



ADD SUSTAINABLE FEATURES AND CONNECT GREEN ZONES



DESIGN OUTDOOR FURNITURES



WELL CONNECTED TO CITY FABRIC



## PROGRAMS AND ZONING



### ZONE 1 (RELIGIOUS ZONE)

LIBRARY  
OUTDOOR CAFE  
BOOKSTALL  
FIELD  
MOSQUE

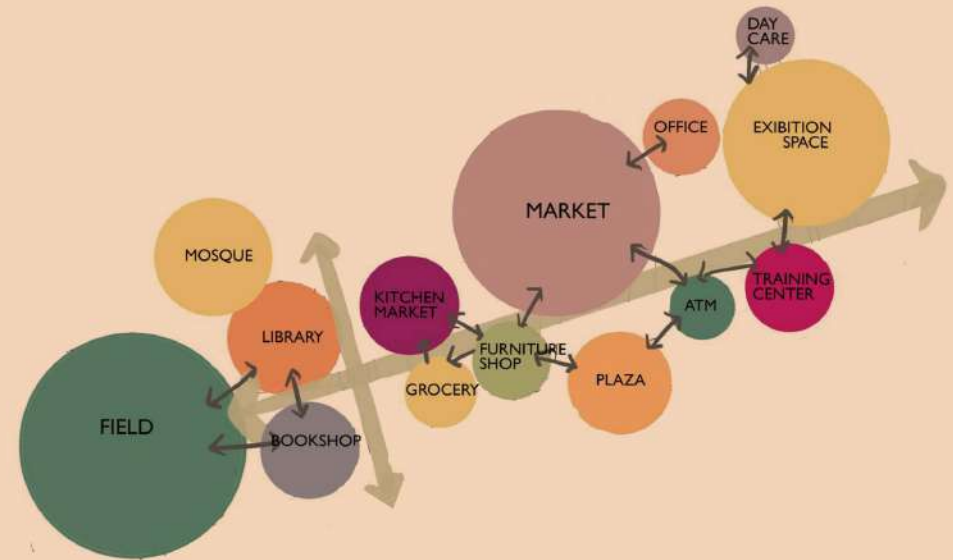
### ZONE 2 (ECONOMIC ZONE)

WET MARKET  
FURNITURE SHOP  
MARKET  
FOODCOURT  
ATM BOOTH  
PUBLIC TOILET

### ZONE 3 (CULTURAL ZONE)

MULTIPURPOSE HALL  
WOMEN TRAINING CENTRE  
DAY CARE  
EXHIBITION SPACE  
FOODCOURT  
COUNCILOR'S OFFICE

## FUNCTIONAL ZONING



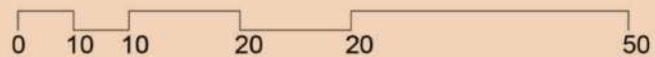


## LEGEND

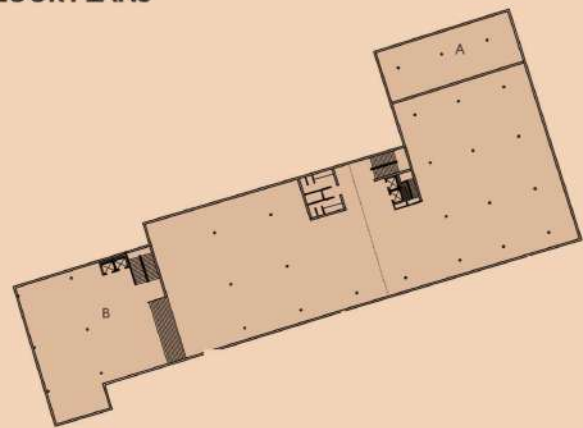
- A FIELD
- B LIBRARY
- C BOOKSHOPS
- D KITCHEN MARKET
- E DRY MARKET
- F FURNITURE SHOPS
- G ATM BOOTH
- H WOMEN'S TRAINING CENTRE
- I EXHIBITION SPACE
- J DAY CARE
- K CAFE



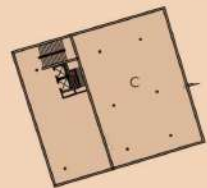
## GROUND FLOOR LEVEL PLAN



## FLOOR PLANS



FIRST FLOOR PLAN



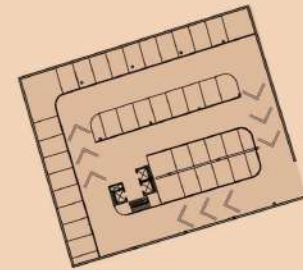
SECOND FLOOR PLAN

### LEGEND

- A OFFICE
- B MARKET

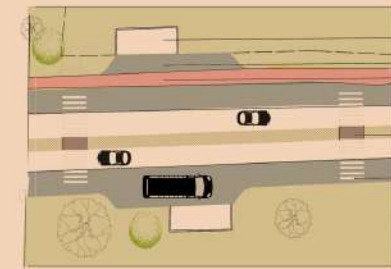
### LEGEND

- C MULTIPURPOSE HALL

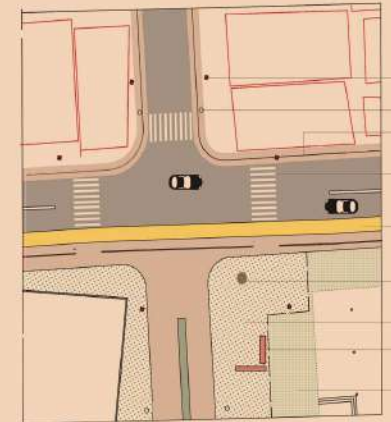


BASEMENT

## DETAILS

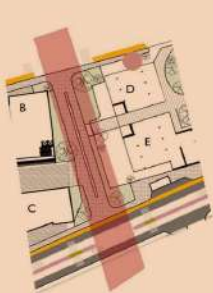


- BUS STOP
- BUS DROP OFF
- CYCLE LANE
- CAR LANE
- PEDESTRIAN REFUGEE
- PEDESTRIAN CROSSING

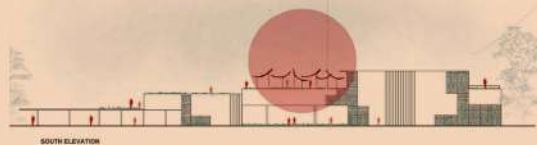


- WASTE BIN
- STREET LIGHT
- BLIND STRIP
- PEDESTRIAN CROSSING
- CYCLE LANE
- STORM INLET
- PLANTING AREA
- URBAN FURNITURE
- POROUS PAVING

## CONCEPTUAL SKETCHES



OUTDOOR SITTING AREA

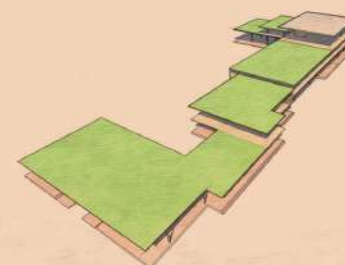


SOUTH ELEVATION



FOODSTALLS

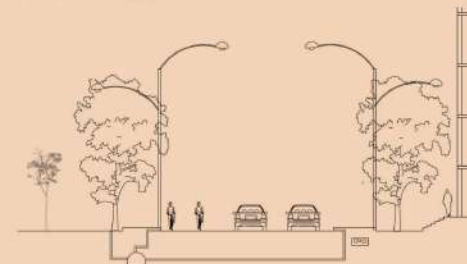
## SUSTAINABLE STRATEGIES



GREEN ROOF



VERTICAL LOUVRE ,VEGETATION ON EXTERIOR FACADE



RAINWATER DRAINAGE AND REUSE

WATER,GAS, ELECTRICITY LINE

BUILD FORM

PEDISTARIAN WAY

ROAD

PEDISTARIAN WAY

BUILD FORM

63

BUILD FORM

LANDSCAPE ZONE

PEDISTRIAN WAY

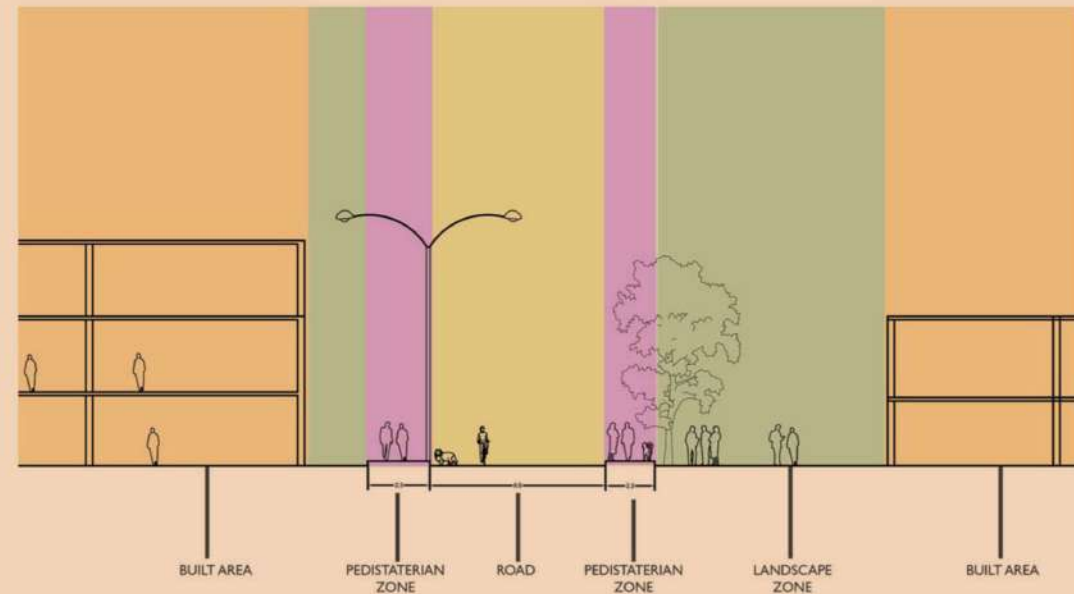
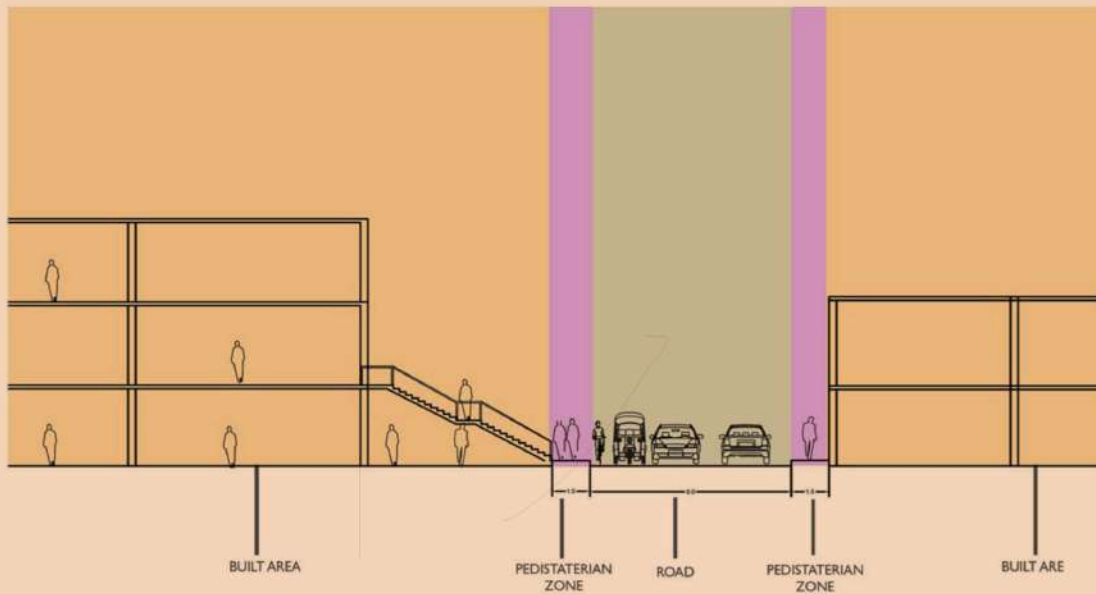
CYCLE LANE

ROAD

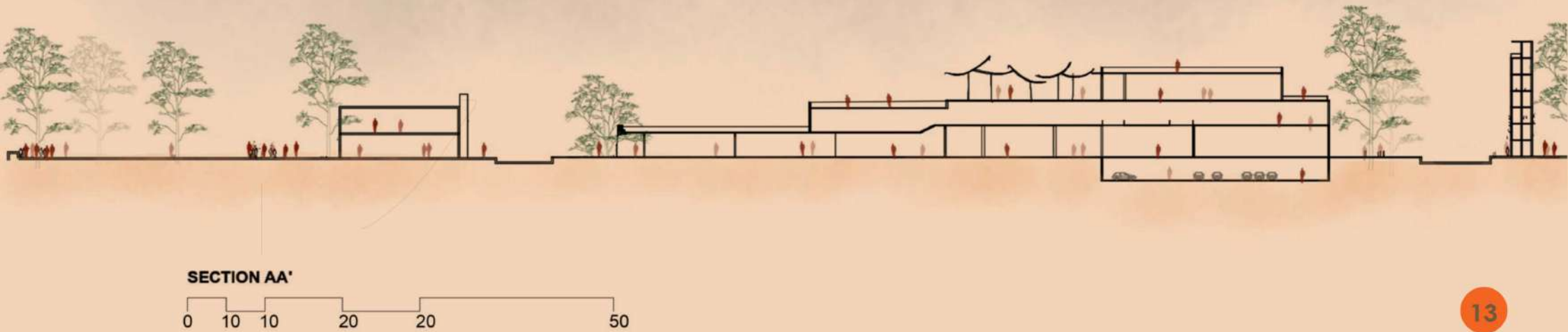
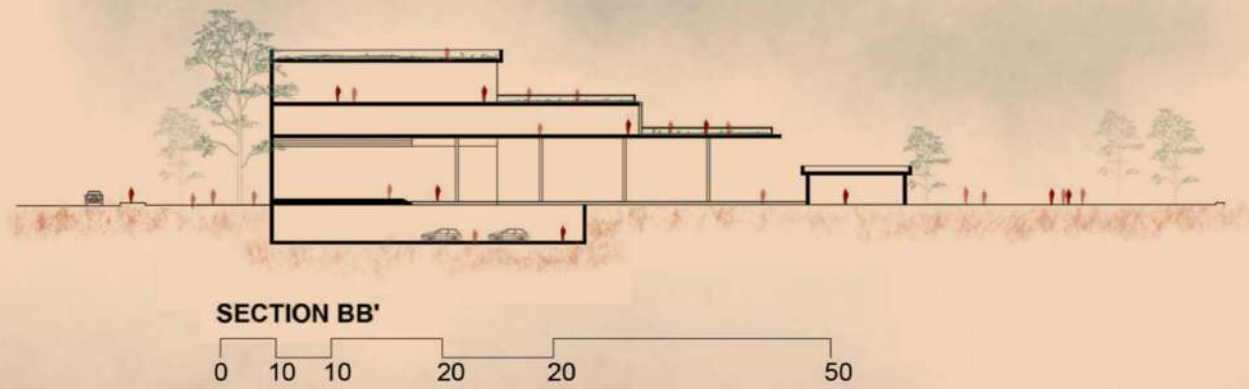
PEDISTRIAN WAY

LANDSCAPE ZONE

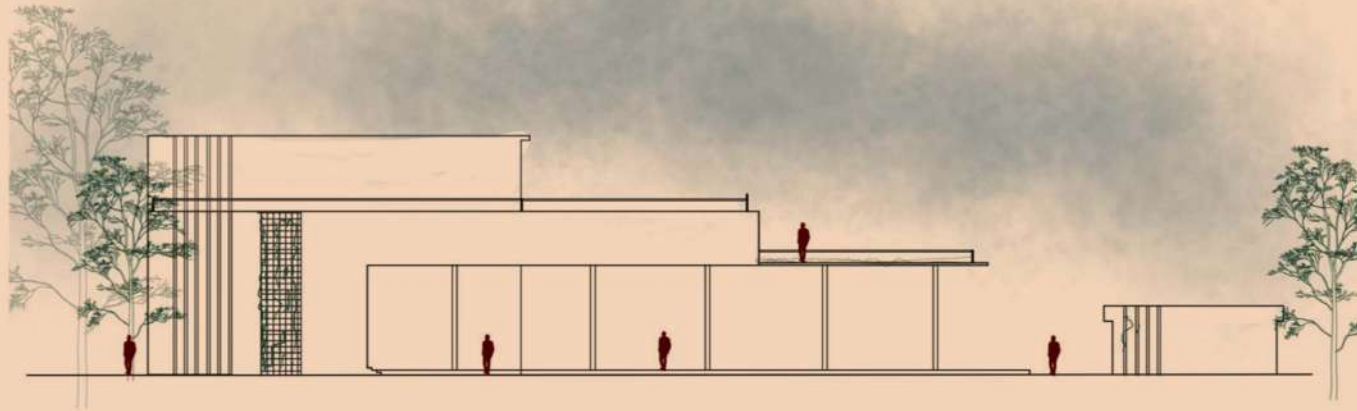
BUILD FORM



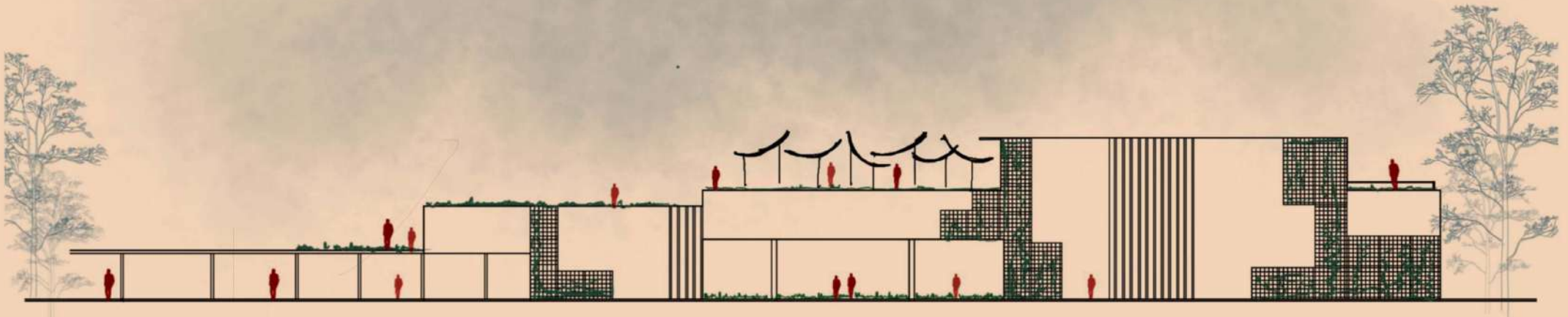
SECTIONS



# ELEVATIONS



EAST ELEVATION



SOUTH ELEVATION

## THREE DIMENTIONAL IMAGES



THREE DIMENTIONAL IMAGES



THREE DIMENTIONAL IMAGES



THREE DIMENTIONAL IMAGES



THREE DIMENTIONAL IMAGES



RESPECTIVE FACULTIES

A.K.M. SIRAJUDDIN  
IMON CHOWDHOOREE  
TASFIN AZIZ

T H A N K      Y O U