

NUZHAT SHAMA
17108042

ARC **401**



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TOWNHALL MARKET

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

10 - 26



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

CONTENT

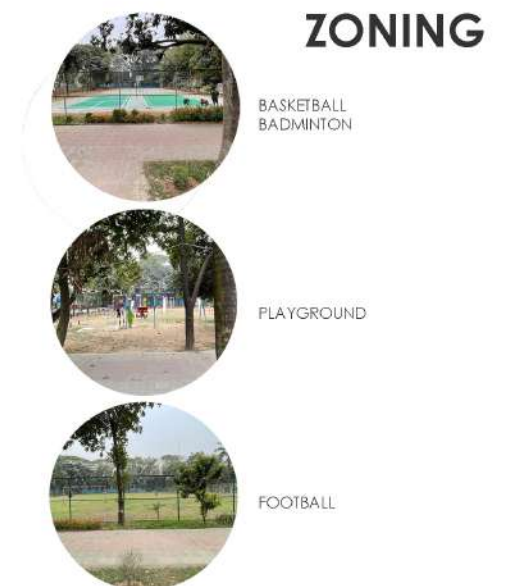
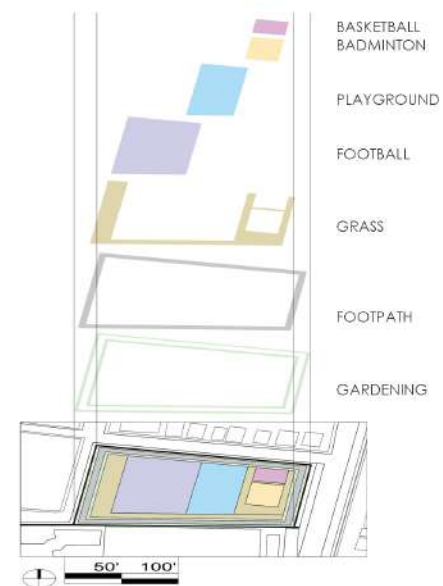
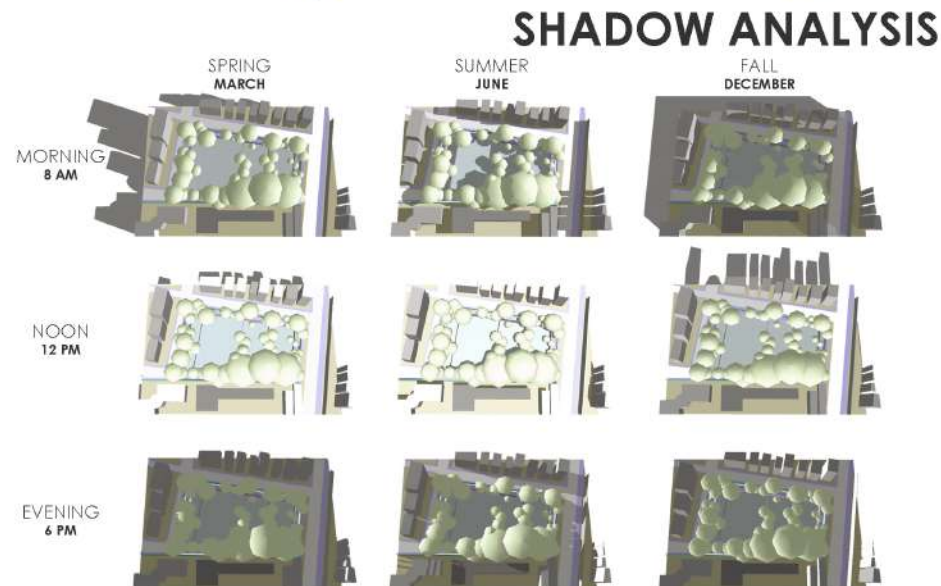
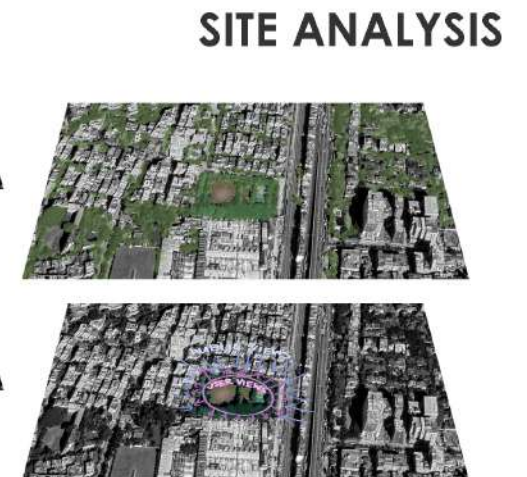
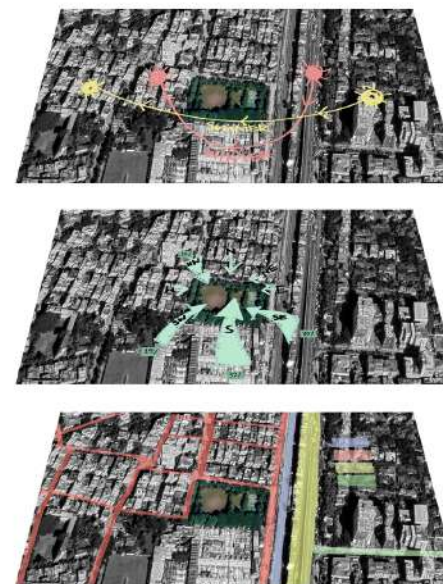
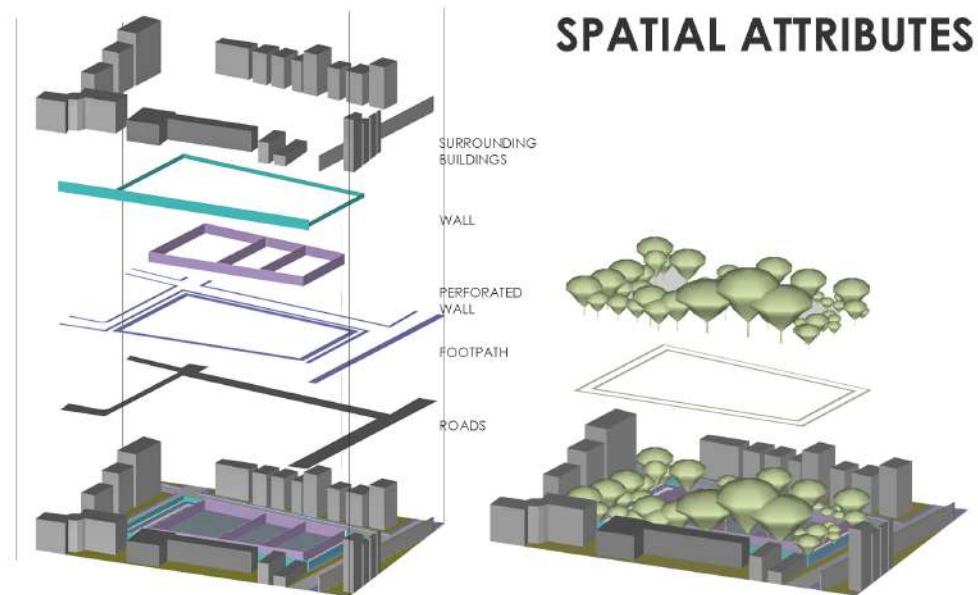
SITE ANALYSIS

SPATIAL ATTRIBUTES
SITE ANALYSIS
SHADOW ANALYSIS
ZONING
HUMAN ACTIVITIES
SWOT ANALYSIS
SPACE UTILIZATION

DESIGN ISSUES

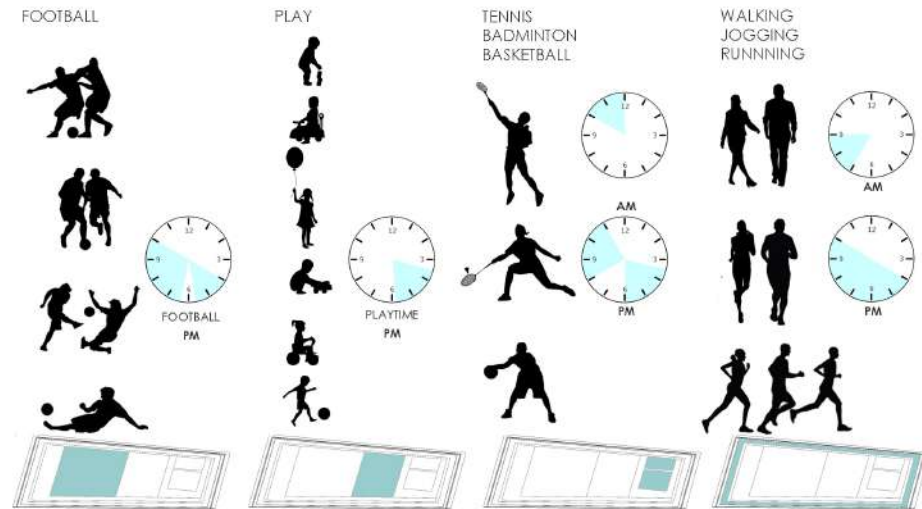
DESIGN STRATEGIES

DESIGN DECISIONS

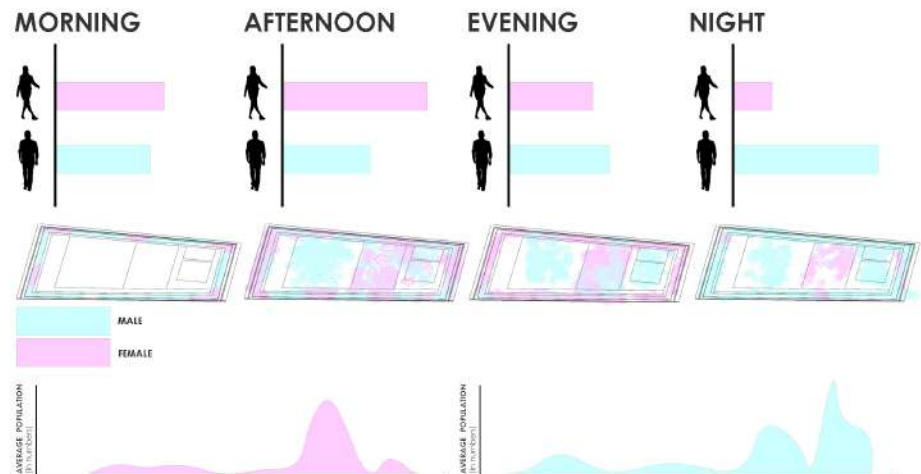


HUMAN ATTRIBUTES

ACTIVITIES

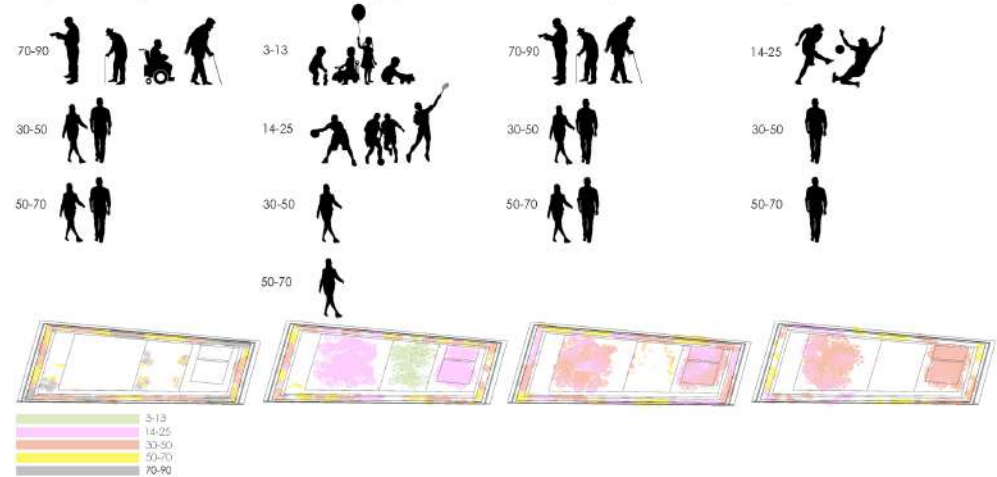


GENDER DISTRIBUTION

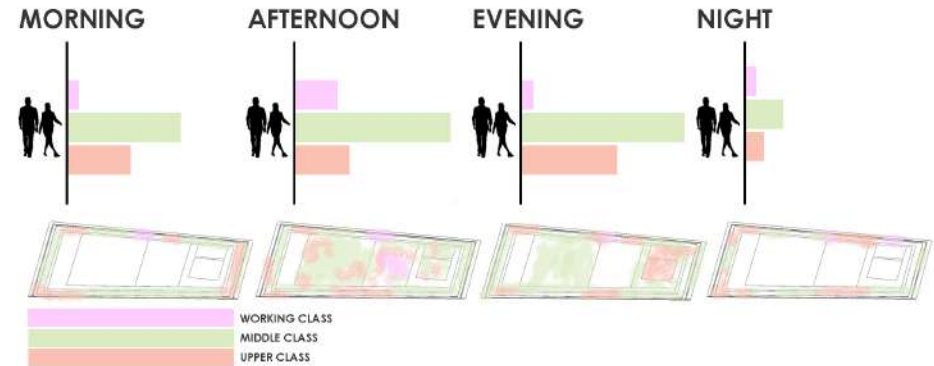


AGE GROUP

MORNING



CLASS DISTRIBUTION



DESIGN ISSUES TO BE ADDRESSED

(QUANTITY)

**REDUCED SOCIAL
INTERACTION**



(QUALITY)

**WEAK SOCIAL
INTERACTION**



**UNDER
UTILISATION
OF SPACE**



**DOES NOT ENCOURAGE
SOCIAL DISTANCING**



POPULATION DENSITY

BEFORE
PANDEMIC



100%

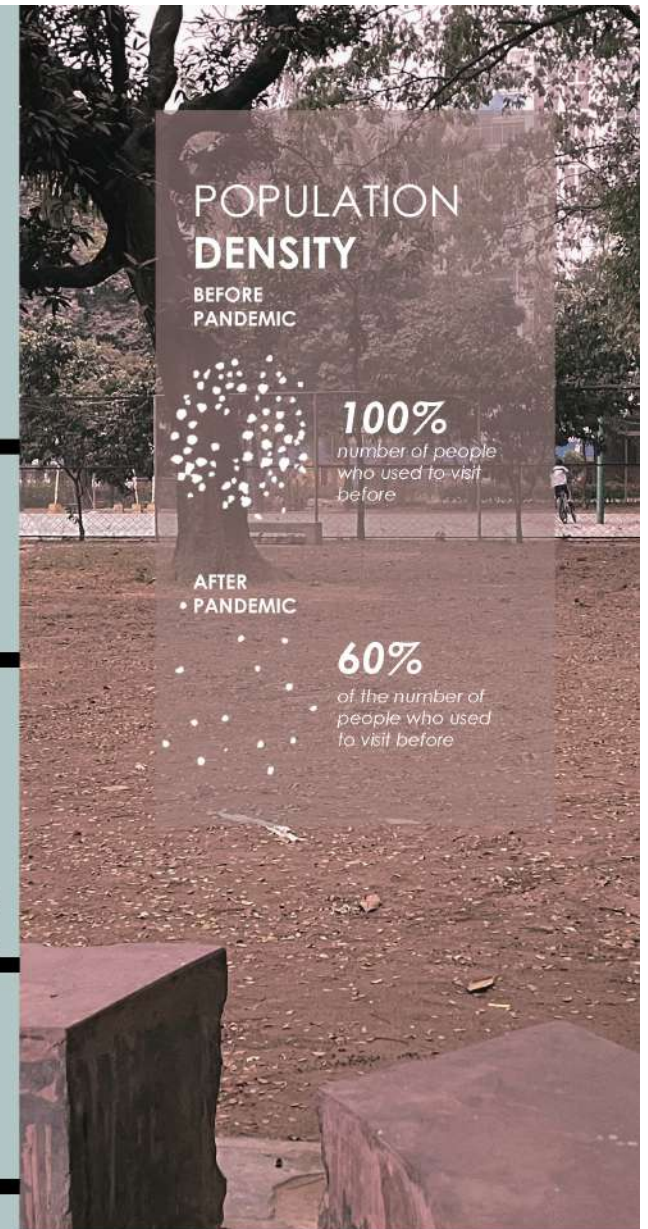
number of people
who used to visit
before

AFTER
• PANDEMIC



60%

of the number of
people who used
to visit before



NORTH
VIEW



SWOT ANALYSIS

STRENGTH
Existing spaces
already planned
Large spaces
Breathability
Greenery
Seating

WEAKNESS

Fewer visitors during quaran-
tine
Inefficient usage of spaces
Weak social
interactions
Gated community makes it
inaccessible for all social
backgrounds

SOUTH
VIEW



EAST
VIEW

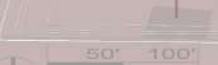


WEST
VIEW



CHOSEN SITE

UNDERUTILIZED AREA
NEAR PLAYGROUND



OPPORTUNITIES

More visitors during quarantine
Efficient usage of spaces
Increased social
interactions

THREATS

Reduced social
distancing

SPACE UTILIZATION



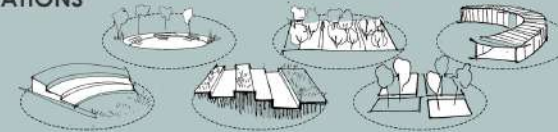
3 TYPES OF FURNITURE

- (1) LINEAR CONCRETE BLOCK SEATING
- (2) CIRCULAR CONCRETE BLOCK SEATING W/ METAL UMBRELLA FOR SHADE
- (3) PLAYGROUND RIDES

DESIGN STRATEGIES

CONSIDERATIONS

IMPROVE SPATIAL QUALITY



INCREASE SOCIAL INTERACTION

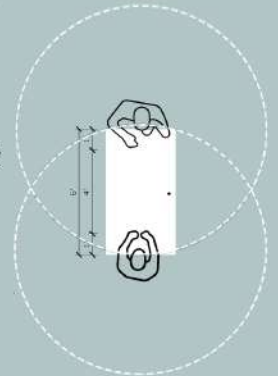
CAFE
Coffee shop
Snacks Counter
Drinks bar



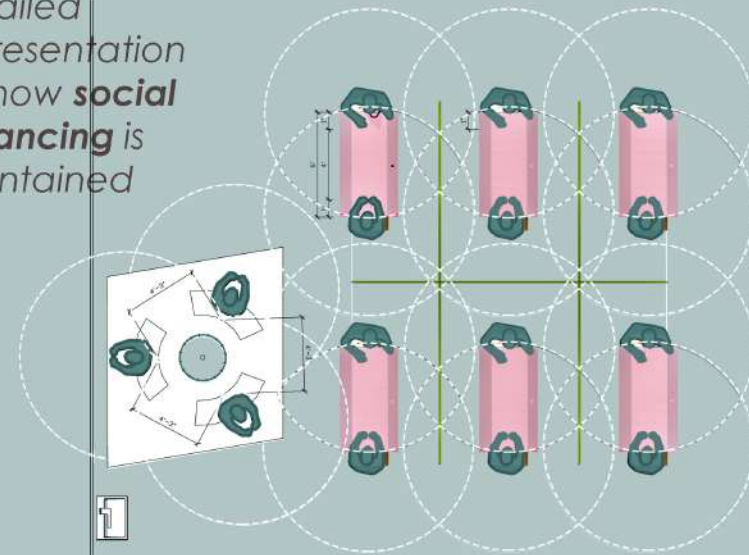
BACK SUPPORT
Trees and Light
stands provide a
3 dimensional
reference point
which acts as a
shelter for a user



maintaining
SOCIAL
DISTANCING



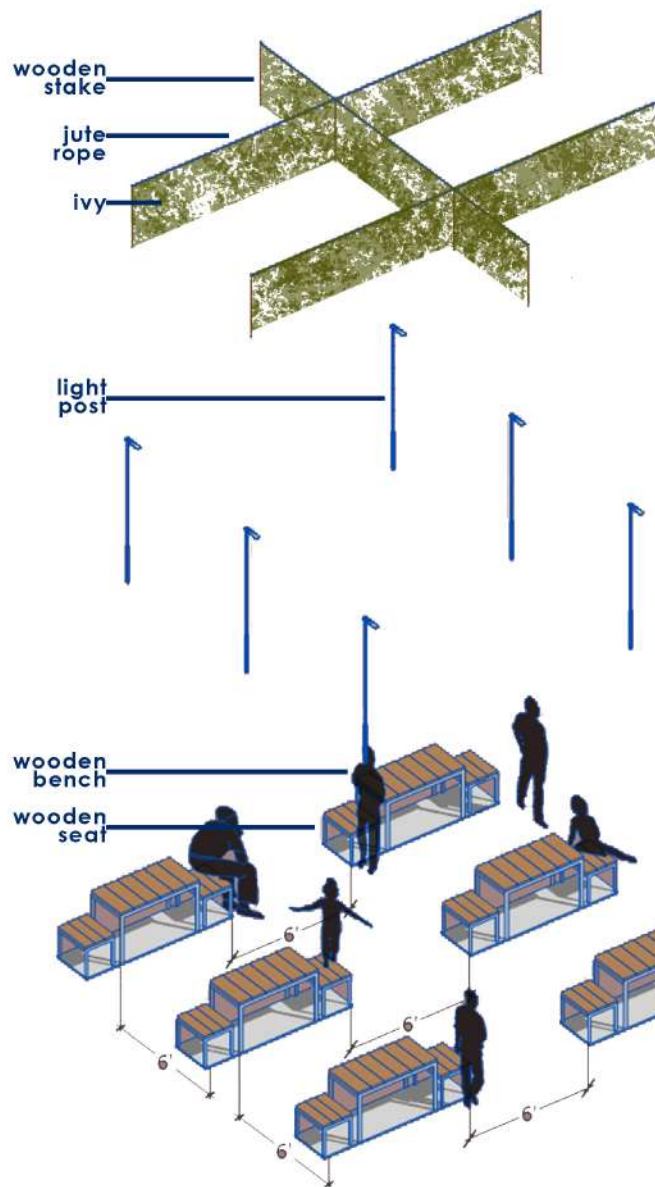
Detailed
representation
on how **social
distancing** is
maintained



DESIGN DECISIONS







HEDGE

A temporary green curtain helps to visualise the grid to maintain social distancing. Wooden stakes and jute ropes offer affordable and temporary solutions.

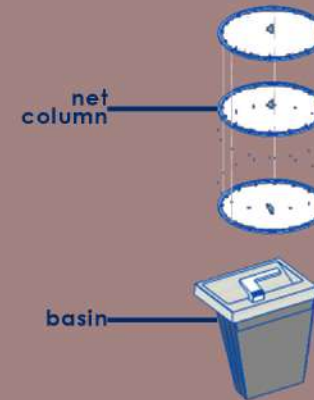
LIGHT POST

Tall and central volumes which help create the illusion of each table being one unit. Aids users to subconsciously hover around a single seating area. Also helps visitors to spend quality time during the evening.

BENCH

Attracts visitors to spend quality time with their loved ones while maintaining social distancing. The modular design helps to manifest the minimum distance of 6 ft needed between users.

Users can range from walkers and visitors during the morning and evening to parents and nannies during the afternoon.



NET COLUMN

Temporary structure which prevents people from facing one another while sitting inside the circular seats as it is less than 6 ft. The shelving option also allows it to act as a storage option for mobile vendors too.

WASHING STATION

A temporary basin in close proximity to the seating area allows users to wash their hands in general, and also after snacks. It can be used in normal times too.



PAVILION COUNTER

An already existing pavilion acts as a shelter space for vendors selling tea, drinks and light snacks to the visitors. This structure with the 'net column' provides a temporary solution for vendors to sell their goods. The already existing circular seats allow 3 vendors to be seated at once.

This solution is flexible enough to allow the umbrella pavilion to be used as a normal kiosk for visitors during normal times



REVIVING MOHAMMADPUR TOWNHALL MARKET

CONTENT

KEY FINDINGS FROM STUDY

HISTORY
SOLID AND VOID ANALYSIS
URBAN DESIGN STUDY

IDENTIFIED ISSUES

EDGE
SPATIAL QUALITY
ACTIVITIES

DESIGN STRATEGY

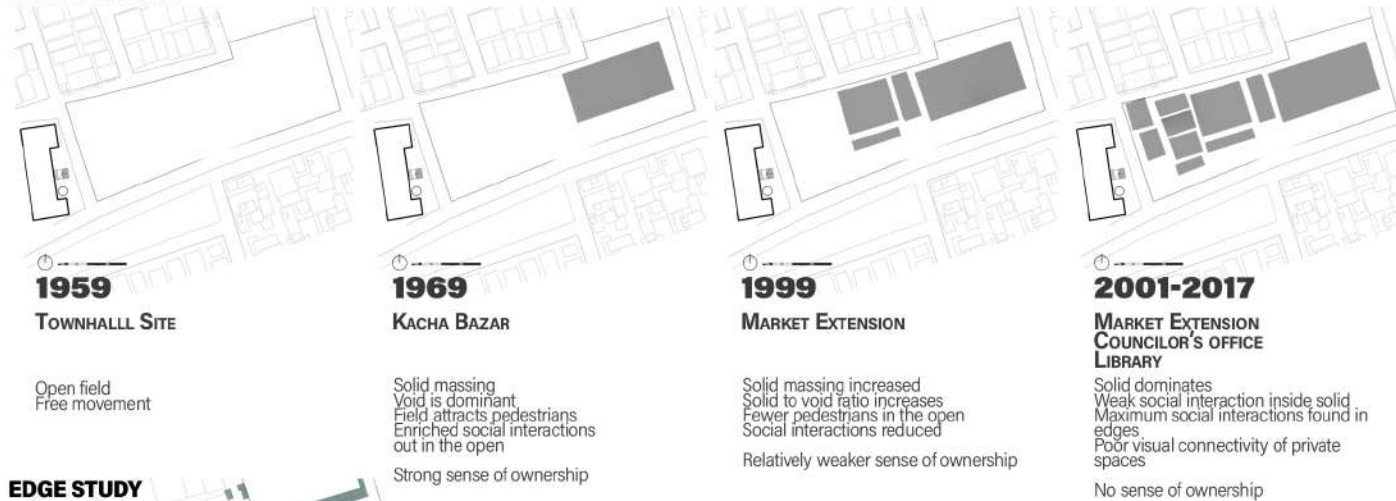
DISSOLVING EDGES OF SOLID AND OPEN
IMPROVING SPATIAL QUALITY
REGENERATION OF ACTIVITIES

DESIGN MANIFESTATION

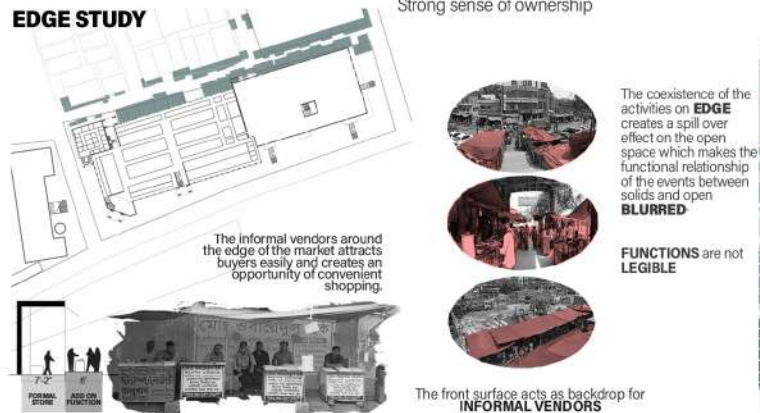
SKETCHES
SCHEMATIC
PLANS
SECTIONS
RENDER

KEY FINDINGS FROM STUDY

HISTORY STUDY

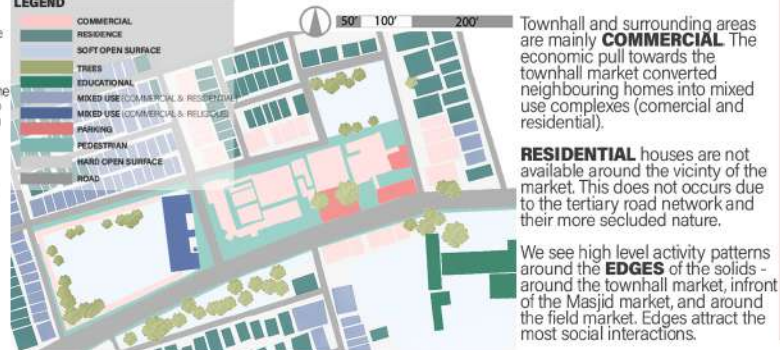


EDGE STUDY



SOLID-VOID USAGE PATTERN

LEGEND



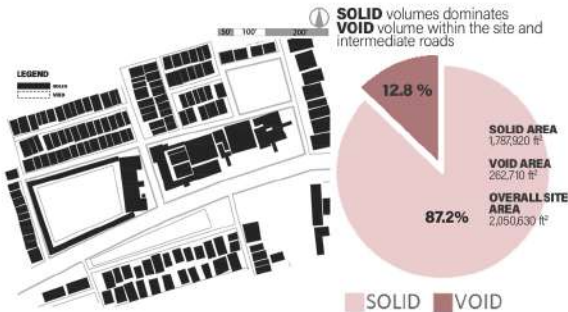
The socio-economic progression of Mohammadpur Townhall throughout the pages of history

How the spatial changes of the structure affected ownership of the townhall in the neighbourhood

The most dynamic activities occur around in the transitional spaces from solids to open spaces

KEY FINDINGS FROM STUDY

SOLID-VOID RELATIONSHIP



ISSUES

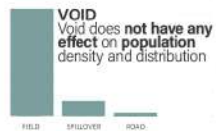
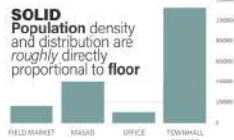
(1) Lack of **CONNECTING VOID** in the main **TOWNHALL MARKET**.

- Reduced spatial quality
- Imbalanced distribution of solid-void
- Population distribution becomes less even
- Lack of quieter open-to-sky solid to void transitional spaces



(2) **SOLID MASSING** design

- low surface area to volume ratio
- less area of solid edges connecting to void
- improper population distribution
- poor light distribution



The increase in **FLOOR AREA** is proportional to **STACKING** of stories (**SOLIDS**). But this does not necessarily lead to increased population distribution.



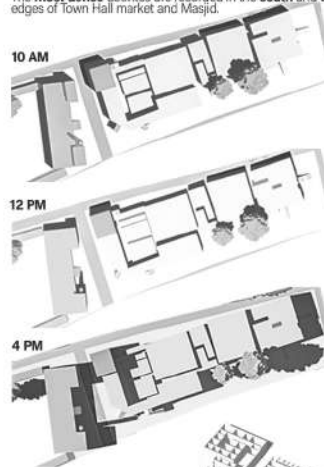
CREATING COMFORTABLE URBAN MICRO CLIMATE

HOW SHADOW PATTERNS AFFECT ACTIVITIES

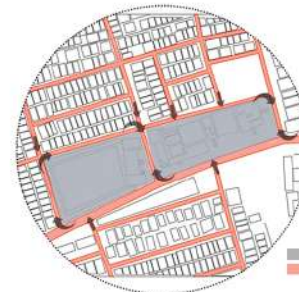
10 AM - Highest interactions observed in the north of Town - Hall Market and the Councilor's building

12 PM - **Population** under direct sunlight is generally few during noon. **Highest activity** patterns are recorded **inside solids** or **under shading devices**

4 PM - Due to **less harsher sunlight** and **post office hours**, the ambience gradually turns more casual. The frequency of activities increase. The **most dense** activities are recorded in the **south and west** edges of Town Hall market and Masjid.



PERMEABILITY



- places that are accessible can offer people with **CHOICES**
- the quality is called **PERMEABILITY**
- the permeability of any system of public place depends on the **ALTERNATIVE ROUTES** it offers from one point to

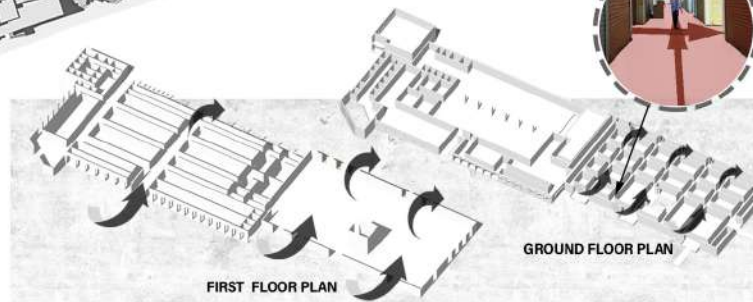
ANALYSIS

The place has multiple access points which provide people with choices. Therefore permeability is a strong spatial quality of this place.

Alleyways provide multiple access points

ISSUES

- (1) Multiple entry and exit points create **CONGESTION**
- (2) The **COUNCILOR OFFICE** is not legible enough
- (3) Pedestrian walkways converted into space for **INFORMAL VENDORS**



The relationship between solids and voids

Micro-climate and how it affects behavioral patterns of users

How to improve accessibility of the structure for users

ISSUES

STRATEGIES

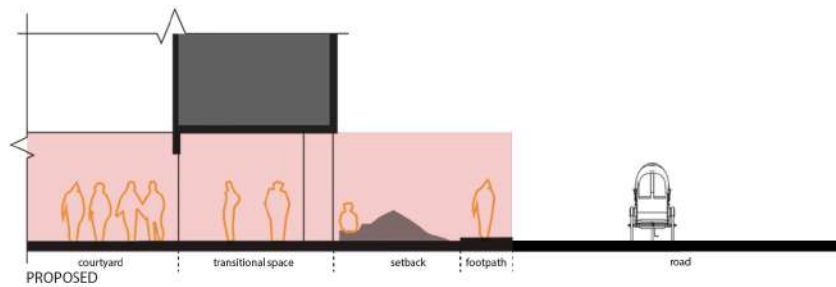
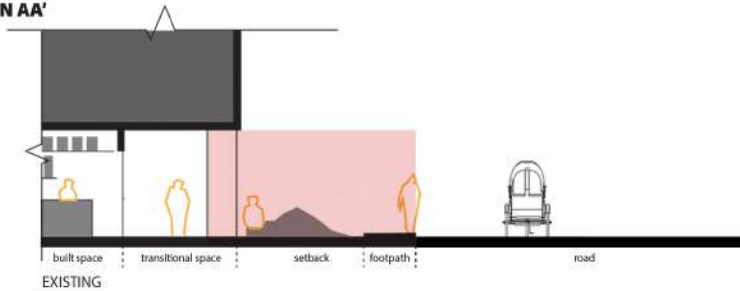
(1)

EDGES

They have a strong character in the townhall market. It attracts the highest amount of foot traffic.

This is not utilised to its full potential.

SECTION AA'

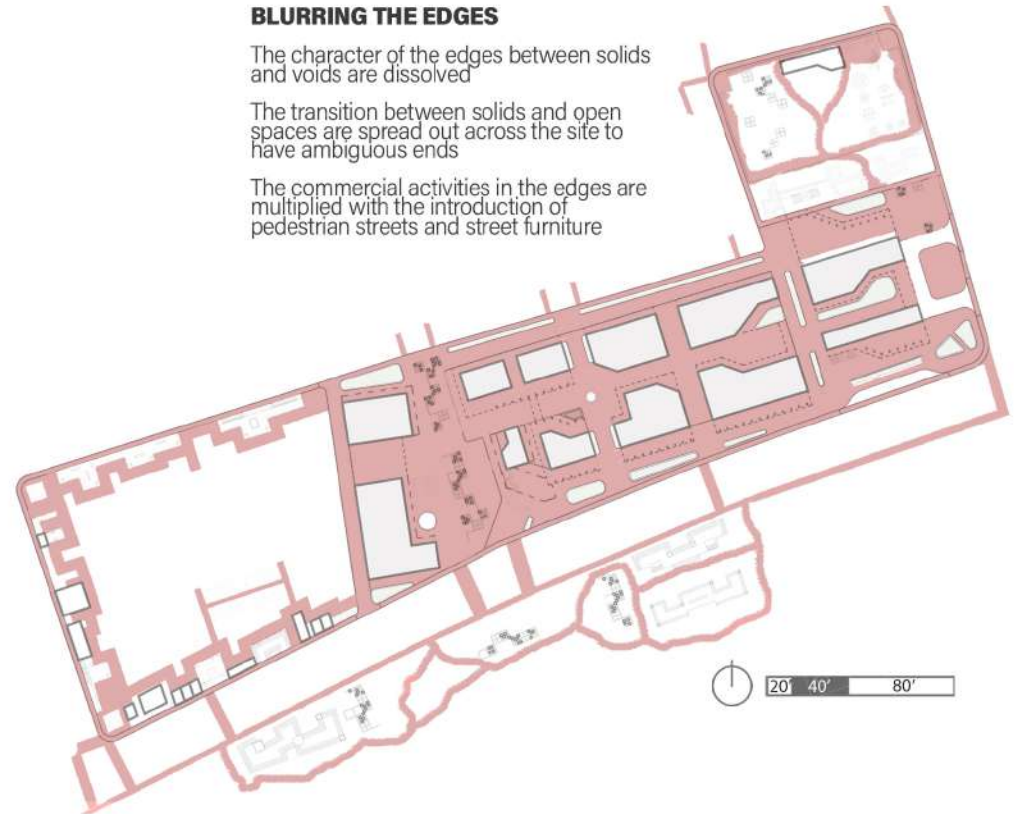


BLURRING THE EDGES

The character of the edges between solids and voids are dissolved.

The transition between solids and open spaces are spread out across the site to have ambiguous ends.

The commercial activities in the edges are multiplied with the introduction of pedestrian streets and street furniture.



ISSUES

STRATEGIES (2)

NO SENSE OF OWNERSHIP

They lack a **PSYCHOLOGICAL CONNECTION** with the spaces in the area

USERS in surrounding areas do not have any sense of ownership to the townhall market

HISTORICAL ESSENCE is lost in the existing structure

Lack of pedestrian spaces and existing pedestrian spaces are focused around edges with **UNCOMFORTABLE MICROCLIMATES**

Poor **SPATIAL QUALITY**



REVIVING EXISTING STRUCTURES TO INSPIRE OWNERSHIP OF TOWNHALL IN THE NEIGHBOURHOOD

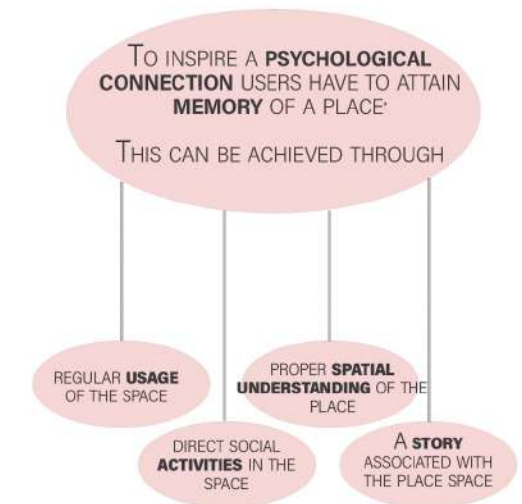
POOR SPATIAL QUALITY

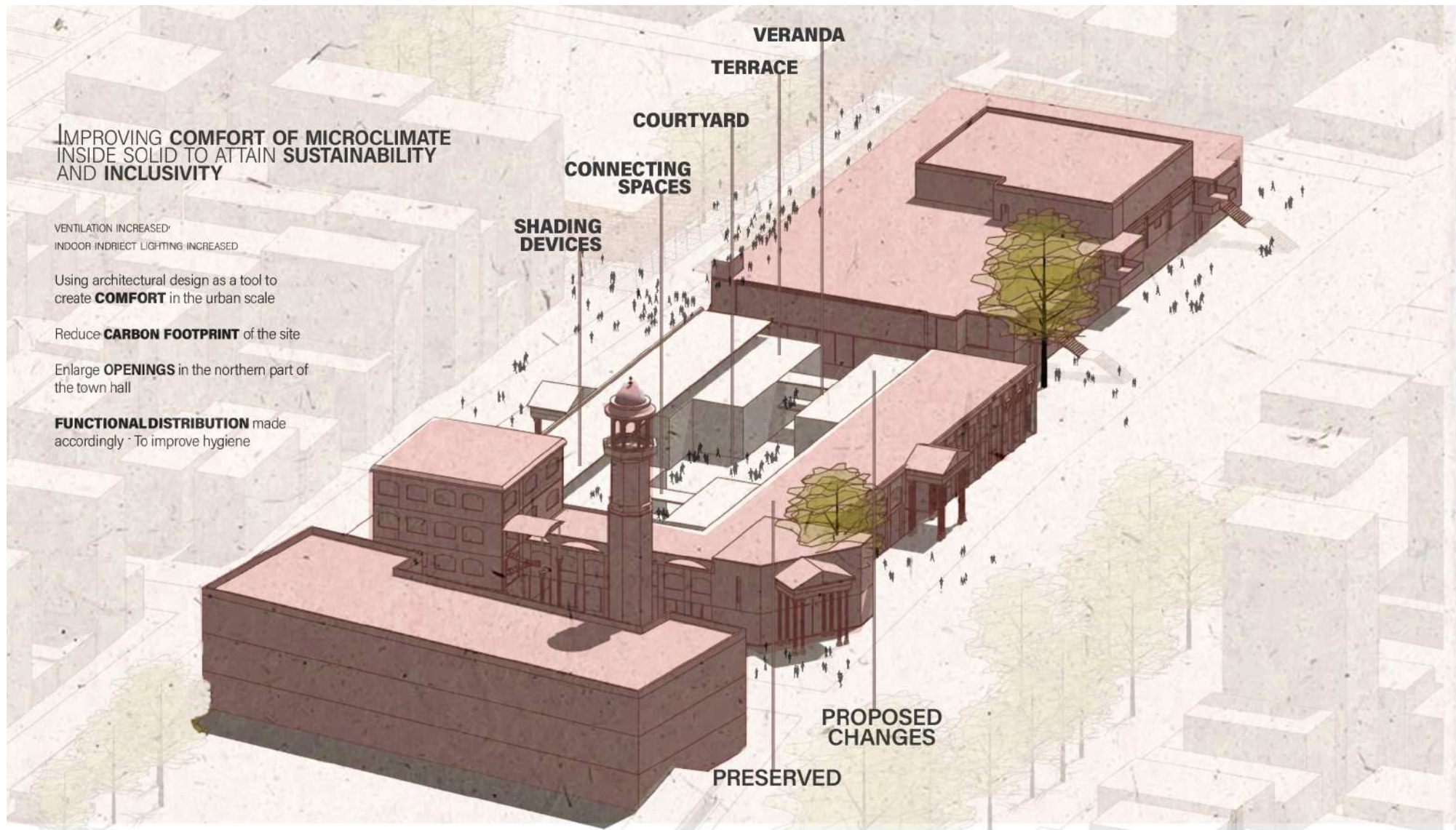
Lack of proper ventilation
Lack of proper lighting conditions
Lack of proper hygiene practice
Claustrophobic
Dark
Uninviting
Decreases legibility and circulation

NO VISUAL CONNECTIVITY

Lack of connecting void in the main town hall market
Reduced spatial quality

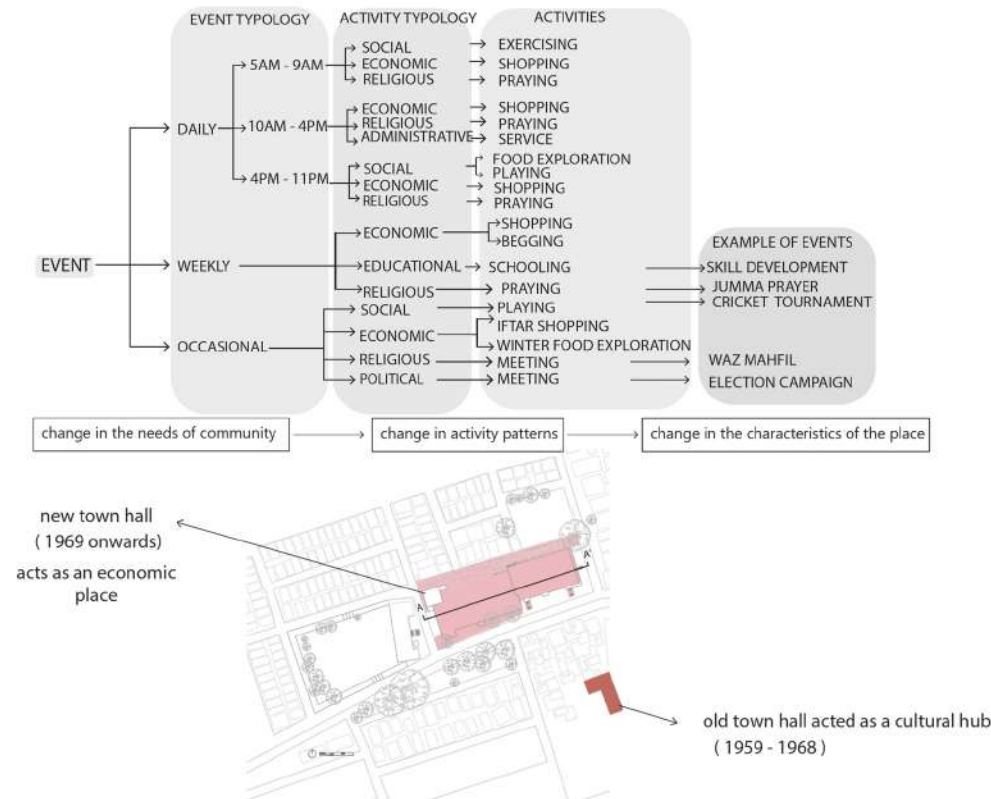
PRESERVATION THROUGH INTEGRATION
PEDESTRIAN PATHWAYS AND PLAZAS
IMPROVING SPATIAL QUALITY AND **MICROCLIMATE**
EMBRACE THE **ESSENCE** OF TOWNHALL





ISSUES

THE ACTIVITY PATTERNS EVOLVED OVER TIME AS THE NEEDS OF THE COMMUNITY SHIFTED AND A **CULTURAL SPACE** EMBRACED THE FEATURES OF AN **ECONOMIC SPACE**



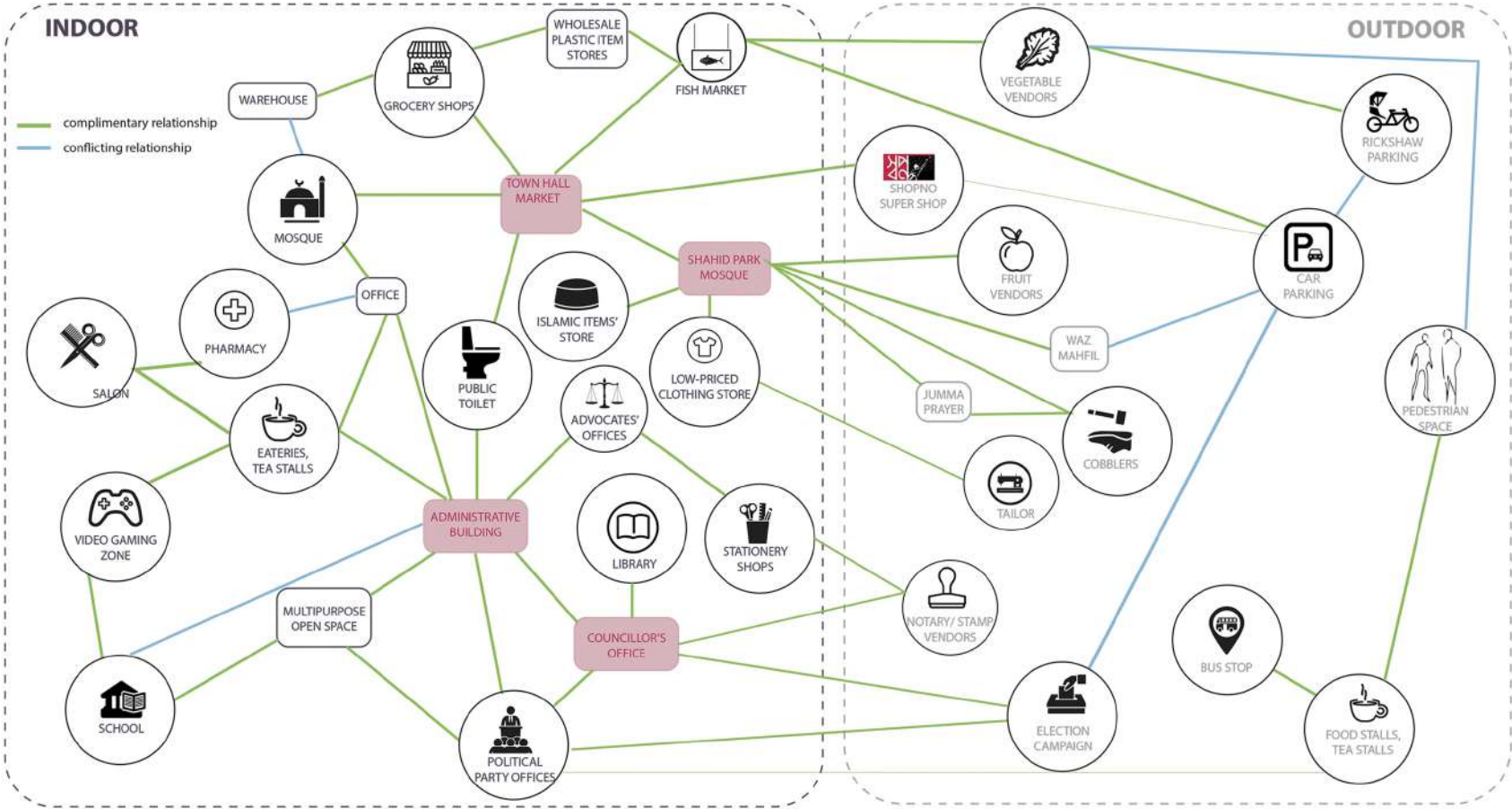
STRATEGIES

(3)

IDENTIFYING **ASPIRATIONS OF THE NEIGHBORHOOD** CONTRIBUTE TO ENHANCE THE SYMBIOTIC RELATIONSHIP BETWEEN DIFFERENT FORMS OF ACTIVITIES



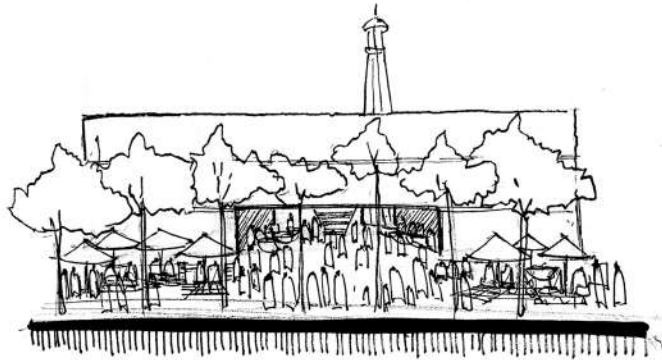
ACTORS' INTERDEPENDENCY MAP



"OWNERSHIP OF TOWNHALL"

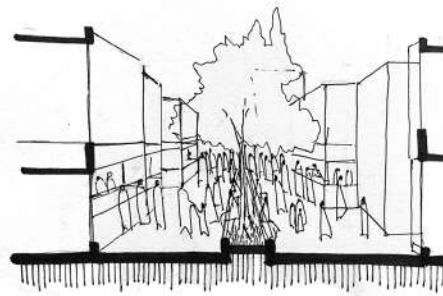
(1)

DISSOLVING EDGES OF
SOLIDS AND OPEN



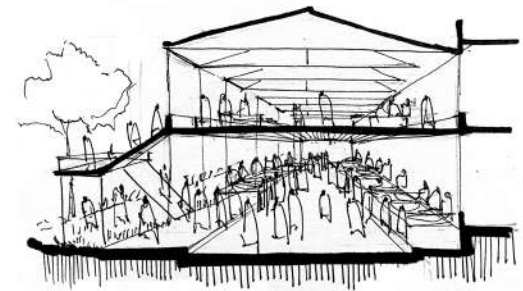
(2)

IMPROVING SPATIAL
QUALITY OF EXISTING SPACES



(3)

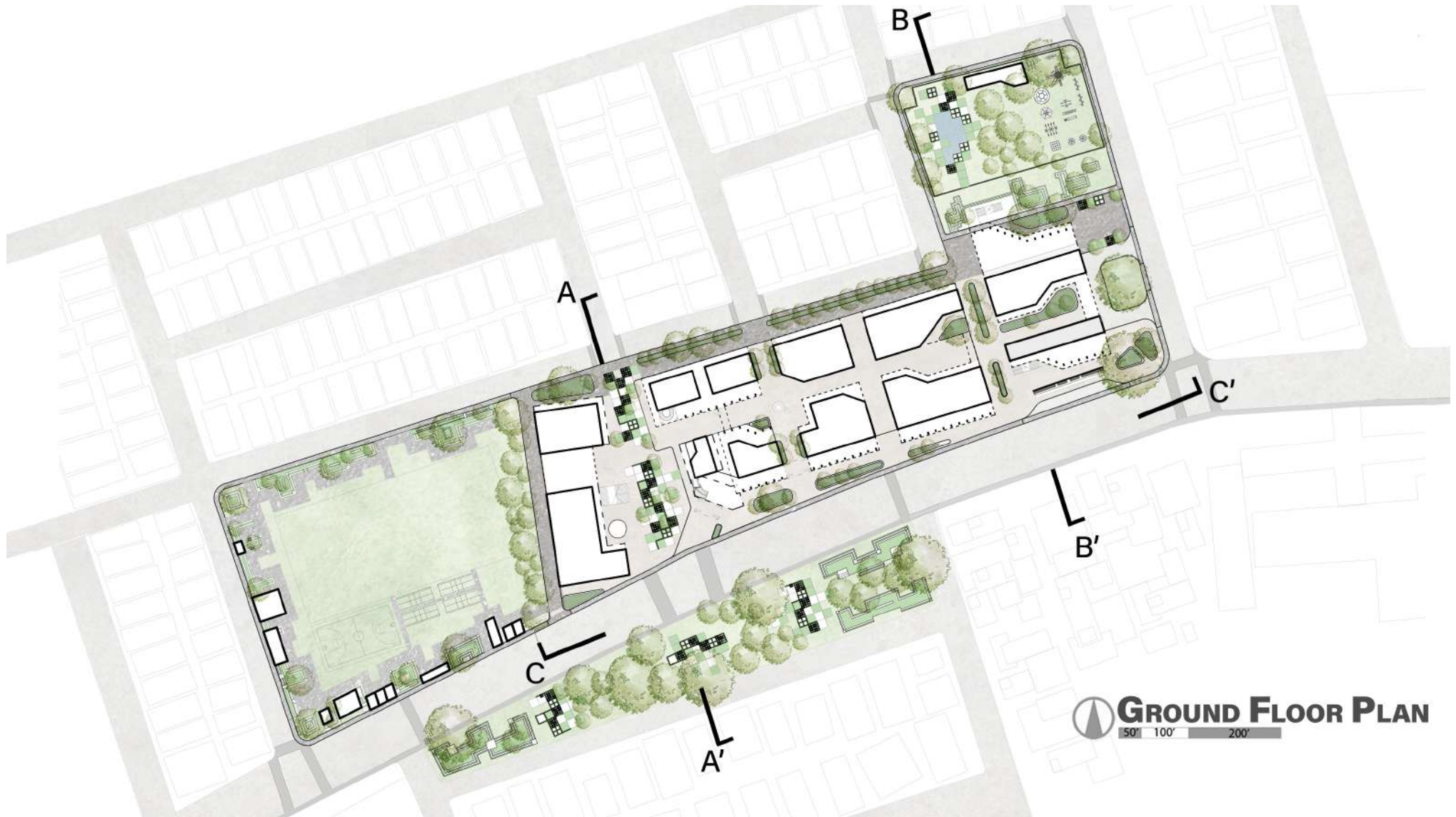
ACTIVITIES
REGENERATION





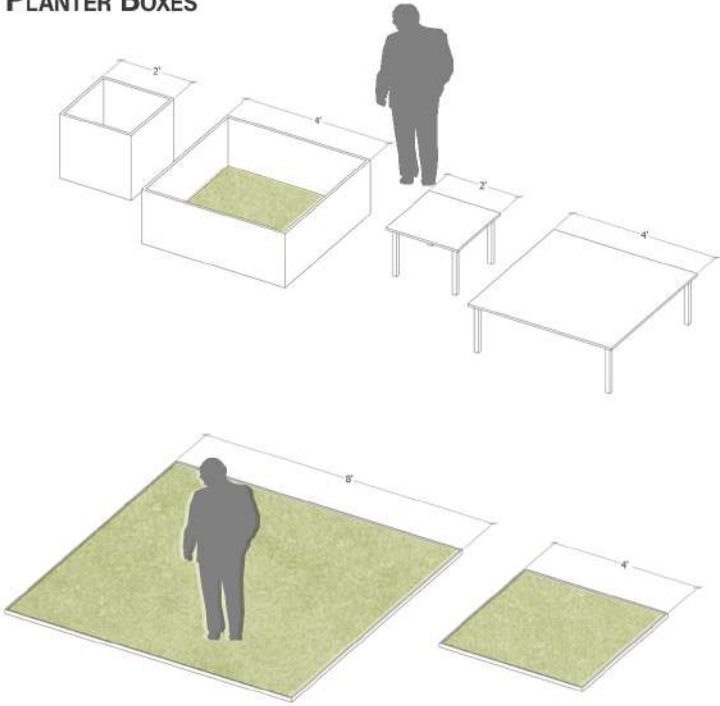
- A KITCHEN MARKET
- B MIXED COMMERCIAL MARKET
- C MOSQUE
- D MULTIPURPOSE HALL & RESTAURANT
- E CULTURAL SCHOOL
- F DAY CARE CENTER



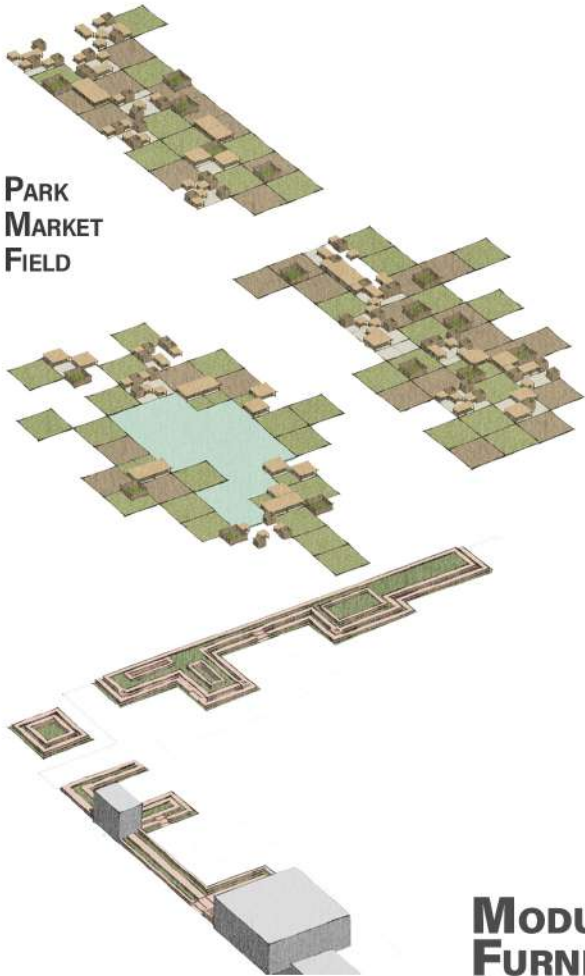


 **GROUND FLOOR PLAN**
50' 100' 200'

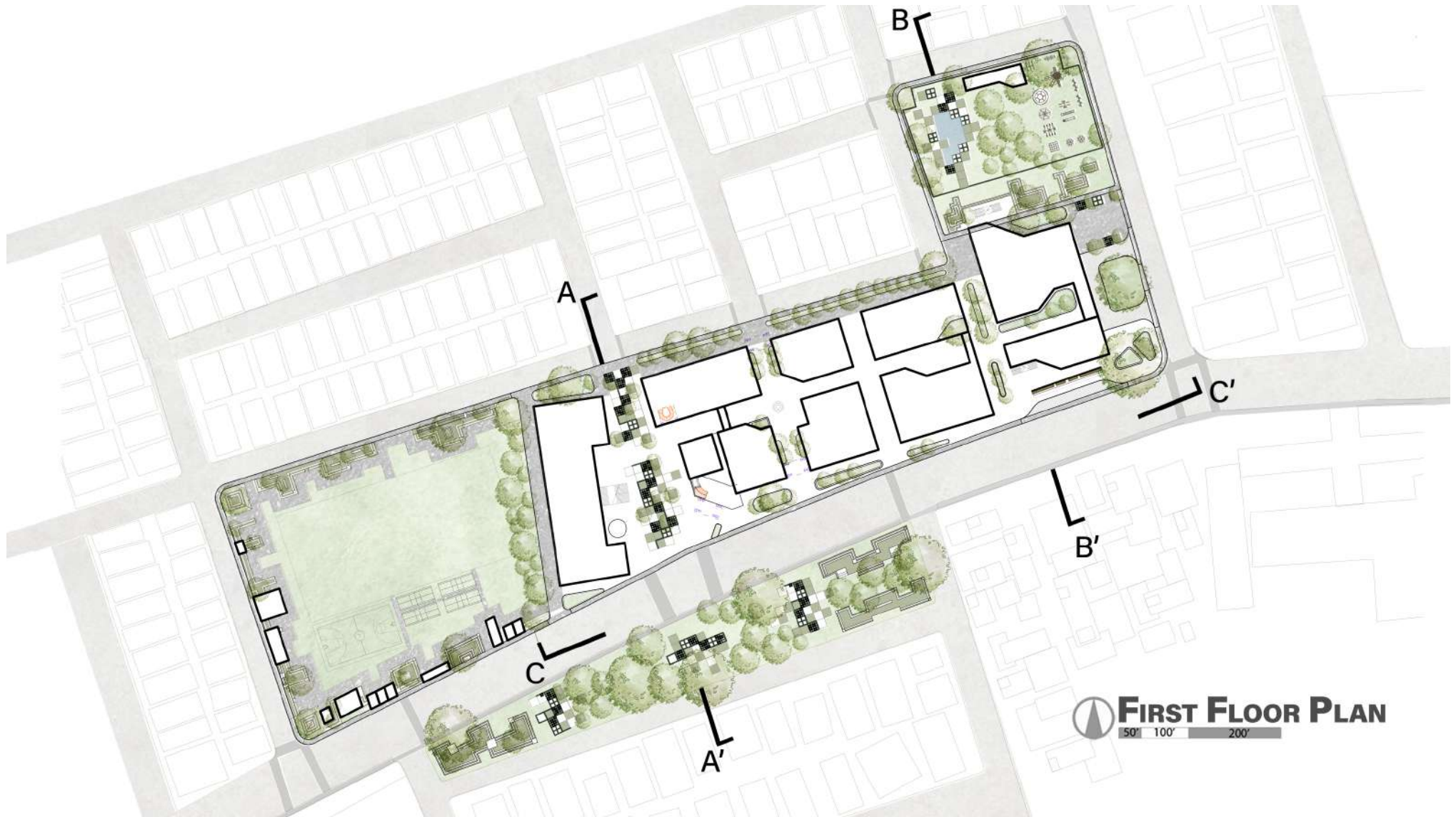
BENCH
GREEN PATCHES
SOIL
PLANTER BOXES



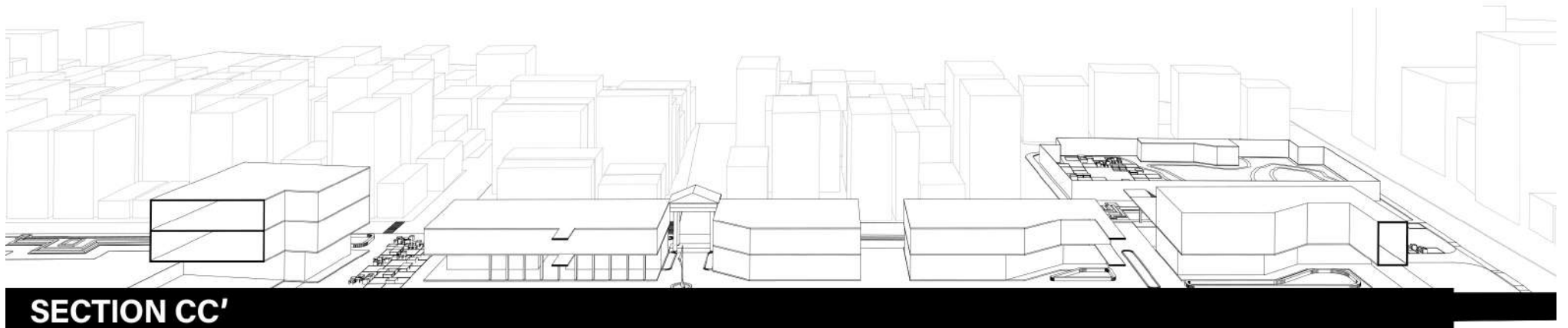
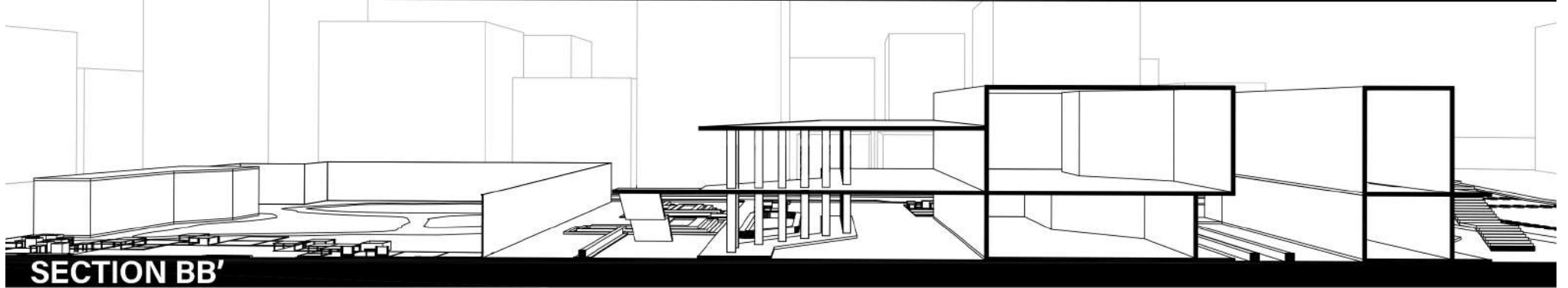
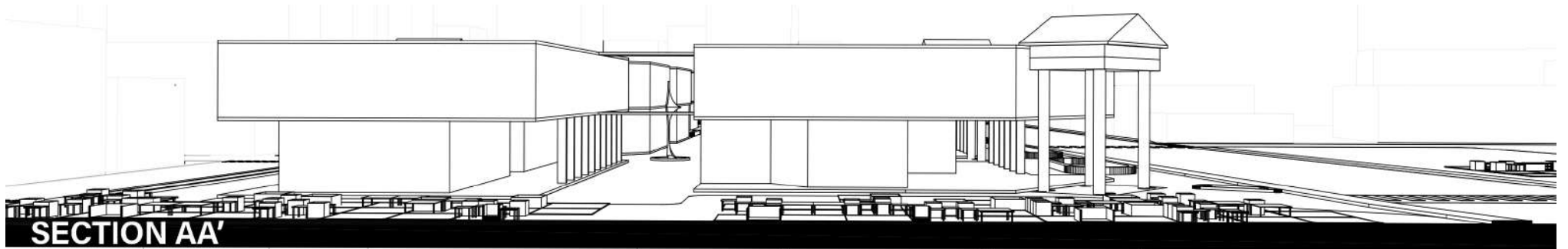
PARK
MARKET
FIELD



MODULAR
FURNITURE



 **FIRST FLOOR PLAN**
50' 100' 200'



ACKNOWLEDGMENTS

A.K.M. SIRAJUDDIN

DR. IMON CHOWDHOOREE

TASFIN AZIZ



THANK YOU























