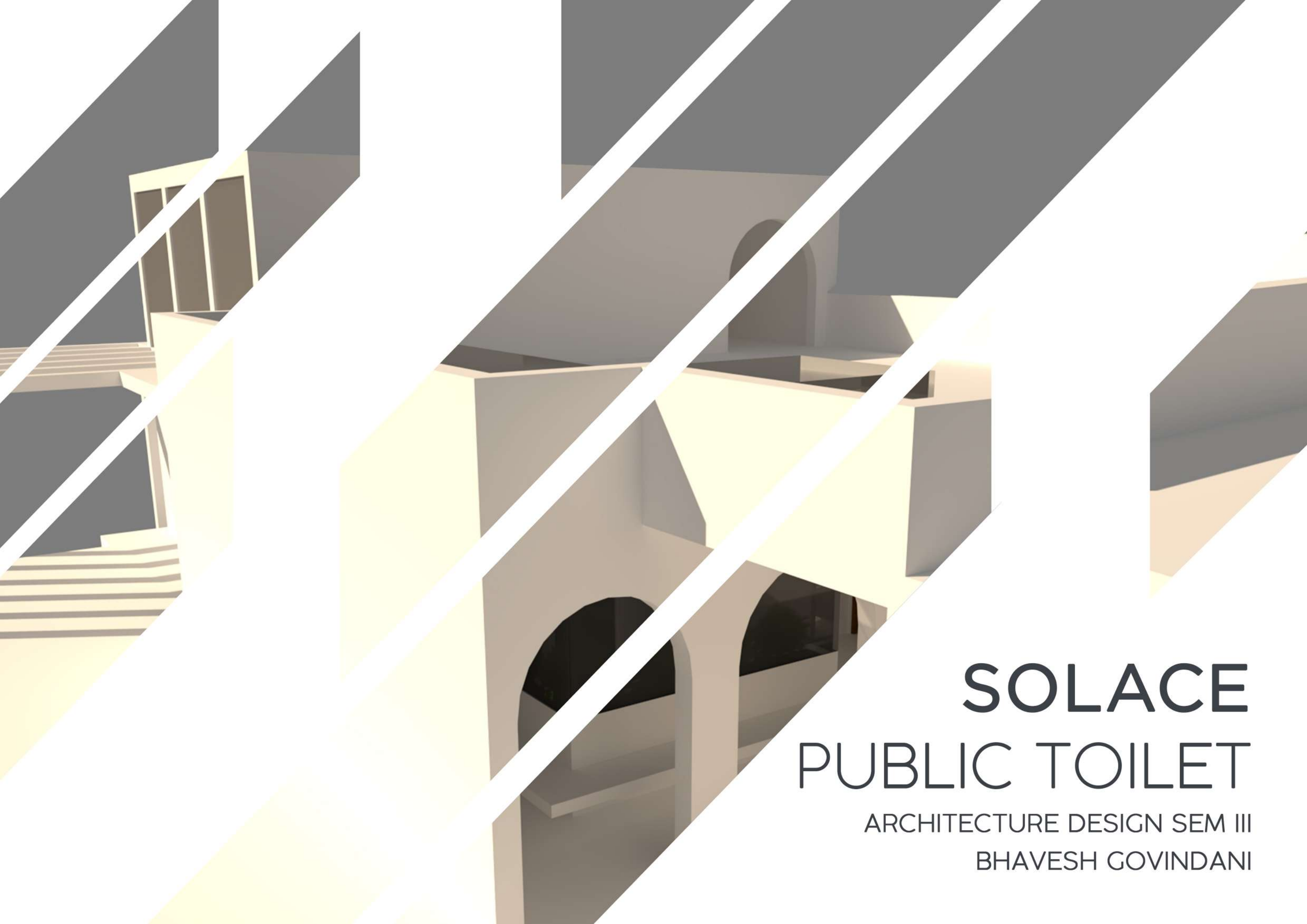
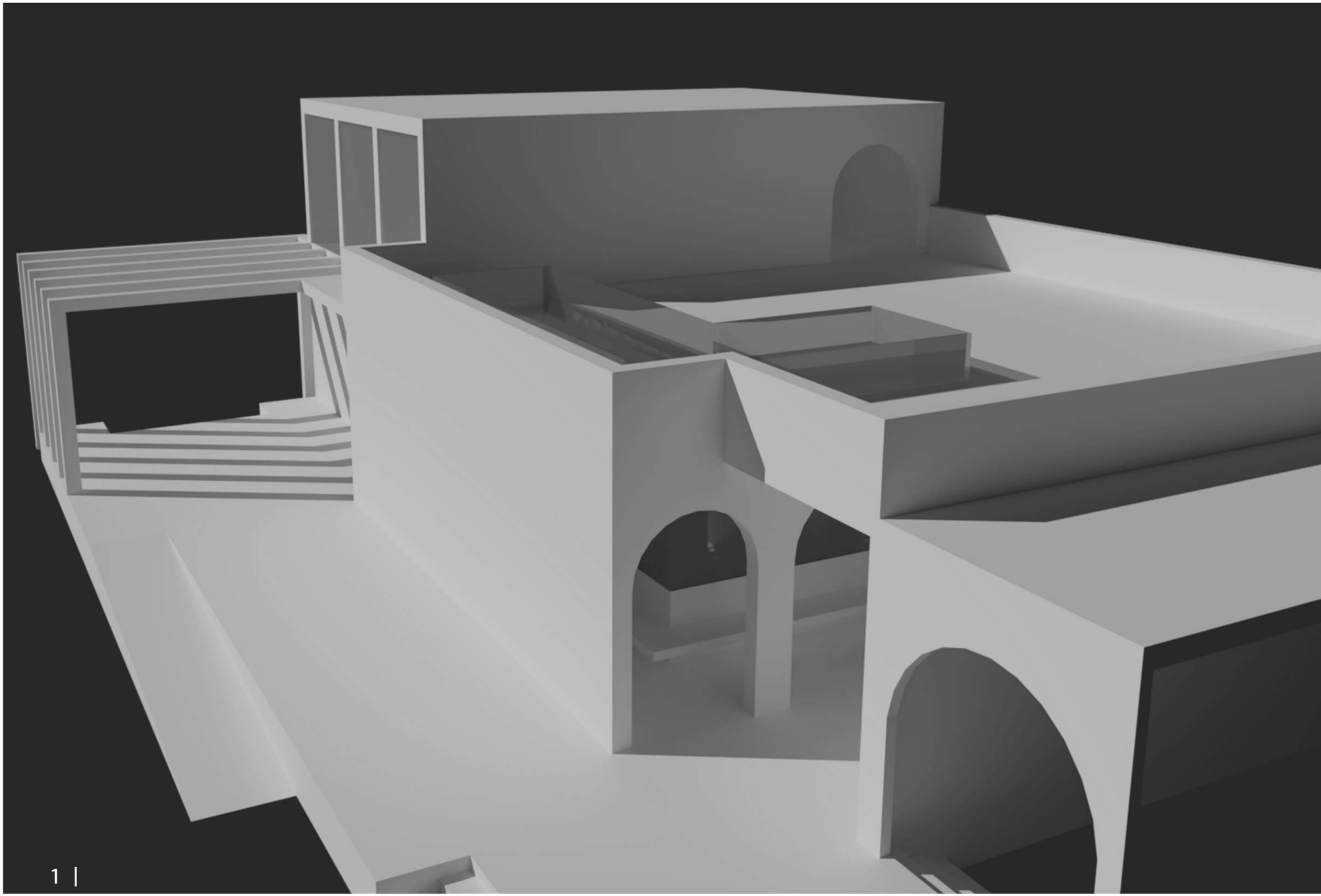


SOLACE
PUBLIC TOILET

ARCHITECTURE DESIGN SEM III

BHAVESH GOVINDANI



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S.Y.B.Arch | A12
Architectural Design Studio III

L. S. Raheja School of Architecture, Mumbai
11 December 2020

THE **NEED** TO DESIGN

Private and public hygiene have been a stronger focus for Indians. The private toilets have become a lot more efficient and better. But the **condition of the public toilets continue to be dismal**.

Moreover **Adequate sanitation** and toilets are **basic necessities** that ensure and promote the health of people in developing countries. Publicly **promoting the welfare** of the citizens is indeed a neccessity and an important task.

THE INTENT/ VISION

The ultimate vision is **to break the taboo** of public toilets being a dull and an unsafe place to be at. The proposed public toilet will have a serious focus on **proper services**, **hygiene** and **accessibility**. The intent is to build a form which will integrate with the city fabric but will also stand out and have a fully functional usage and value.

VIEW OF ENTRANCE PORCH

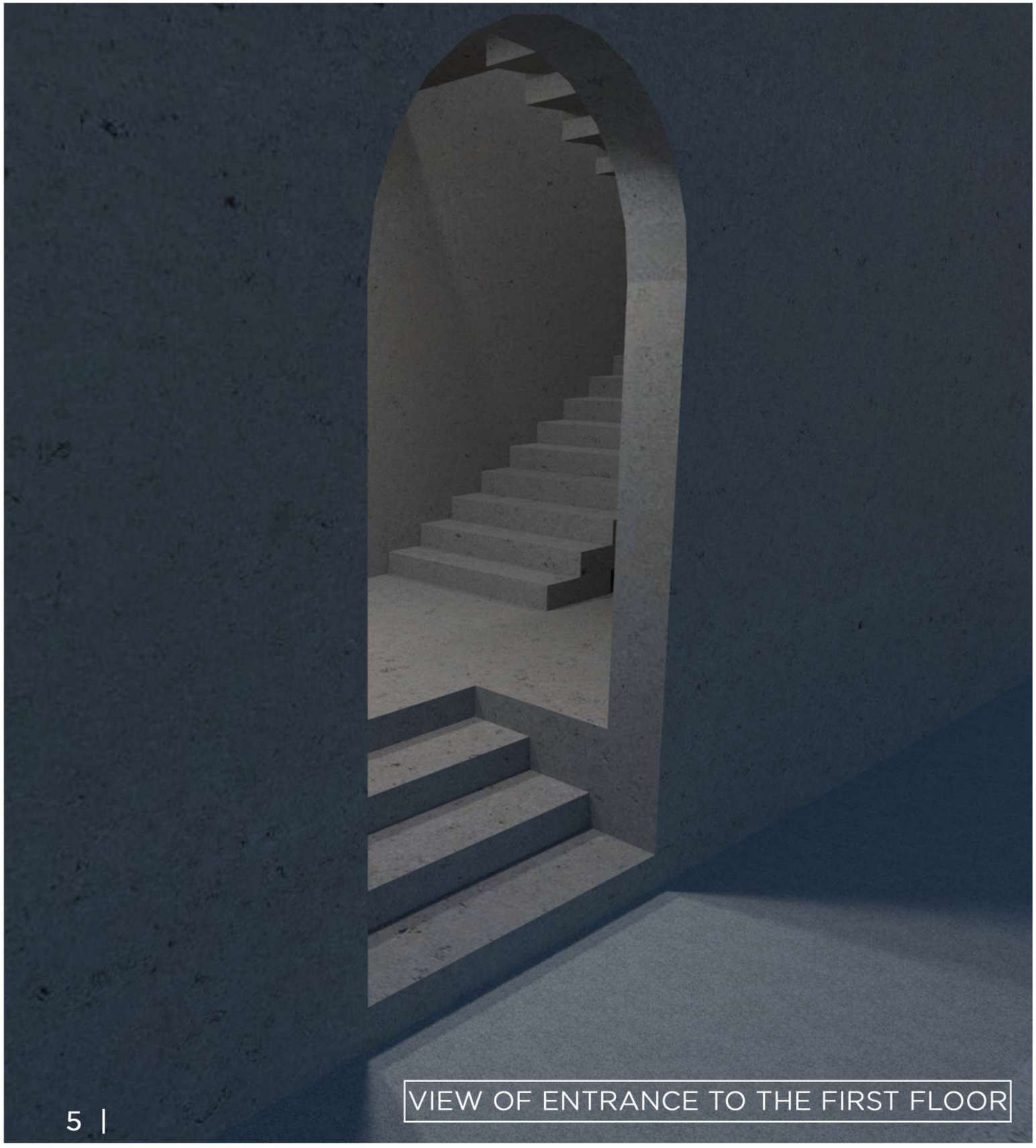
PROBLEMIZATION

1. Public toilets are readily available in most of the urban, semi-urban and rural parts of India. But they lack the basic sense of hygiene. There has been a sense of **negligence to maintain the hygiene** of public spaces in India since a few decades, even with the growth of Modern technologies and the increase in adapting the western culture.

2. The **lack of promoting and encouraging the use of public toilets** has not only lead to various problems related to hygiene, but also some crimes.

3. **Improper services** and the continuous **lack of maintenance** have led to the degradation of experiential atmosphere and ambience of public toilets

4. Due to being overlooked, toilets in India have always been **treated as a matter of taboo**.



VIEW OF ENTRANCE TO THE FIRST FLOOR

USER GROUP

A Public toilet is a room or small build
toilets (or urinals) and sinks that does not b
a particular household. Rather, the toilet is
for use by the general public, customers,
employees of a business, school pupils, etc

TARGETED USER GROUPS-

Open to everyone but the targeted user
market vendors, the customers, **local trav**
tourists.

FOOTFALL

• The proposed site, being an area near thr
markets of the city, will have a **higher foot**

• The site being near the marketplace w
higher range of visits from **travelers com**
the rural areas nearby.

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belong to
available
travelers,
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FUNCTIONS

Functions/ activities that happen in the public toilets-

PRIMARY FUNCTIONS-

• Public toilets can provide far more than access to the toilet for **urination** and **defecation**.

• People also wash their hands, use the mirrors for grooming, get drinking water (e.g. refilling water bottles), attend to menstrual hygiene needs, and use the waste bins.

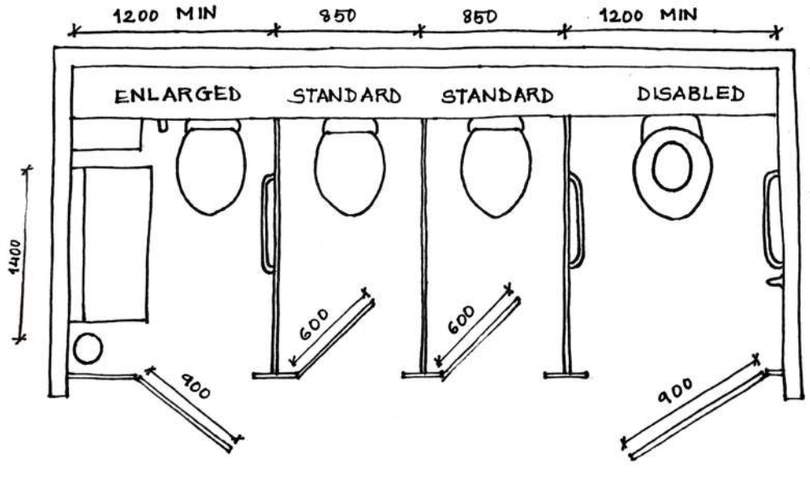
SECONDARY FUNCTIONS-

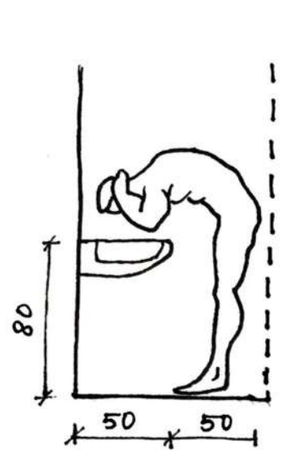
In the proposed design, the users (specifically women) can **interact** to have meetings of the women's union and **have their lunch**.

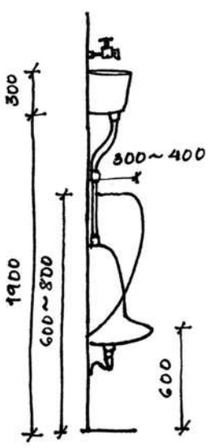
ANCILLARY FUNCTIONS-

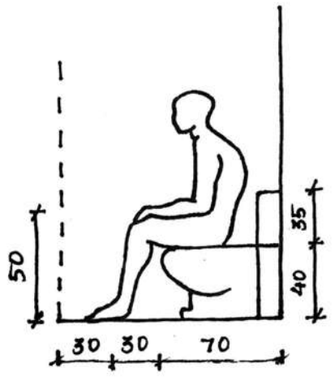
Cleaning and Storing also takes place for maintaining the hygiene of the space

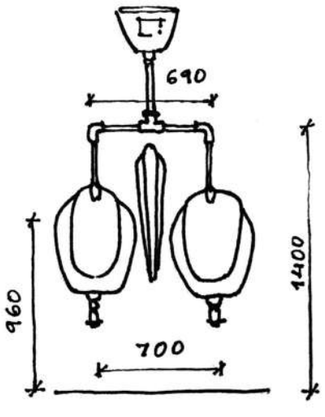
ANTHROPOMETRY











SITE CONTEXT

ITWARI PETH, UMRED
DIST. NAGPUR

Public Toilet

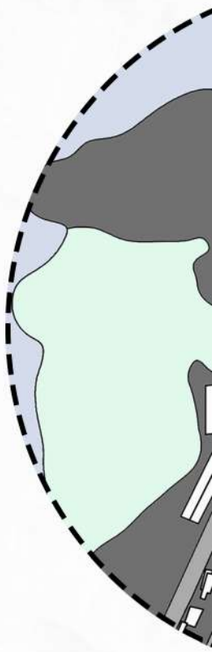
Fish Market

Meat Market

Vegetable Market

WHY T

• The propose
there is a **dire n**
• The **Meat and**
to the propose
shoppers and t
• The Road just
bus route of hu
• There is a **veg**
site.
• People from t
the market.
• It has a **high**
And it rises up



THIS SITE?

d site is **full of connectivity** and at a place where **need of a public washroom**.

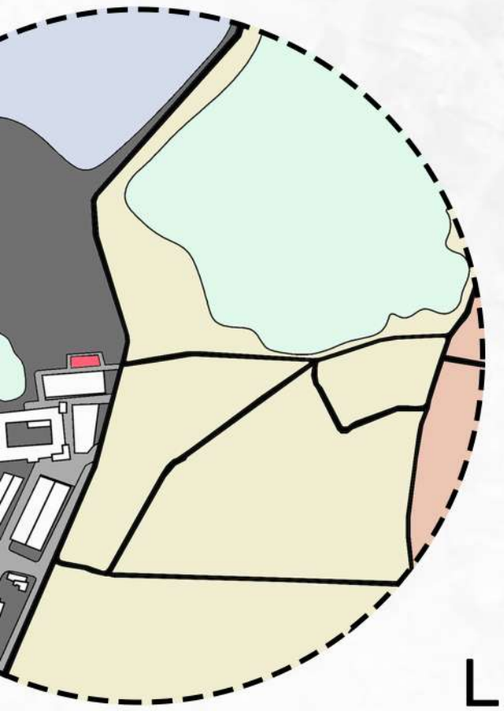
Fish markets situated West and North, respectively d site makes the area a center of attraction to daily ravelers from the adjacent villages.

t next to the site is a busy pathway and also a **daily** ndreds of travelers and commuters.

getable market situated south-west to the proposed

the nearby villages like Sev and Karhandla also visit

daily footfall of around **900 during the week days**. to **1200 during the weekends**.



Site

Water body

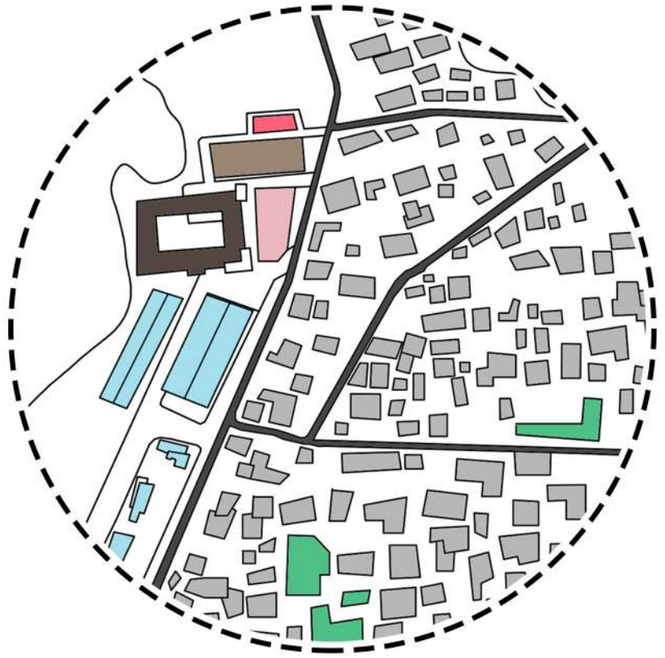
Green cover

Residential Zone

Marketplace

Barren land

LAND USE MAP



Site

Fish Market

Meat Market

Vegetable Market

Schools/ Institutes

Residential houses

LANDMARKS NEAR THE SITE

- There is an **existing toilet** just beside the fish market.

- The **female section** of the toilet is **closed** because of poor water proofing and disintegrated services.

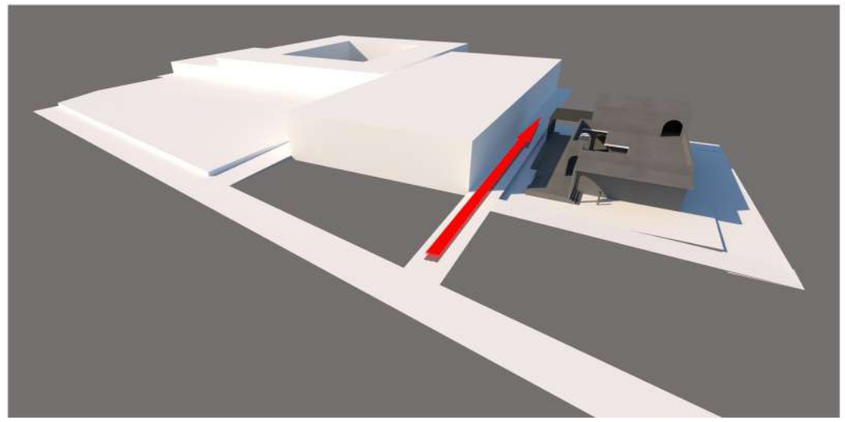
- The people working in the vegetable market and the shops beside it find it **difficult to reach** this toilet due to its poor location.

- According to a self analytical survey, **out of 20** women who work in the vegetable, meat and fish market, **12 women walk to a different public toilet** (SBM Toilet) which is located at around about 1 km from their workplace. And **8 women go to the nearby houses** for using the toilets.

CONCEPT DEVELOPMENT

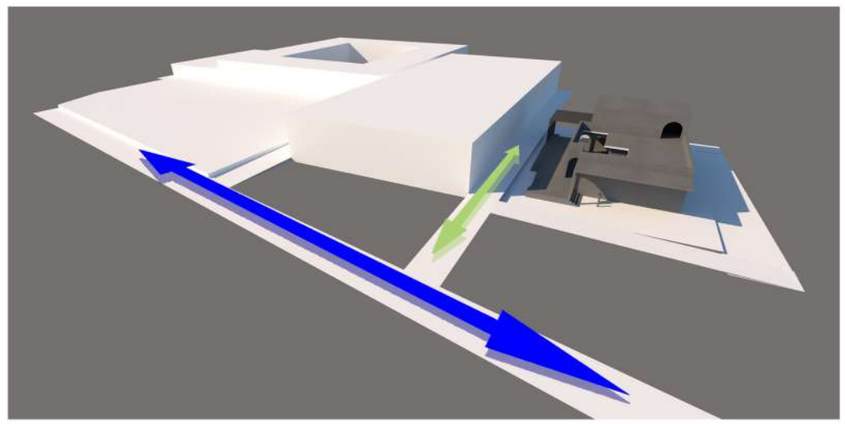
The idea is to create a space which acts as a catalyst of Hope. The complex has spaces to socialise. Spaces to interact and to sit in Solace.

Rather than Private and Public spaces, the complex is following a transition which is smooth with ample amount of circulation space.



WHAT DEFINES
THE CHARACTER
OF A CITY?

IT IS IT'S
PUBLIC SPACES
AND NOT IT'S
PRIVATE SPACES.



DESIGN ELEMENTS

+Approach

Optimum pedestrian approach coming from East and West of the Market.

+Commuter and pedestrain Traffic

The toilet sits adjascent to a major commuter traffic and has higher footfall.

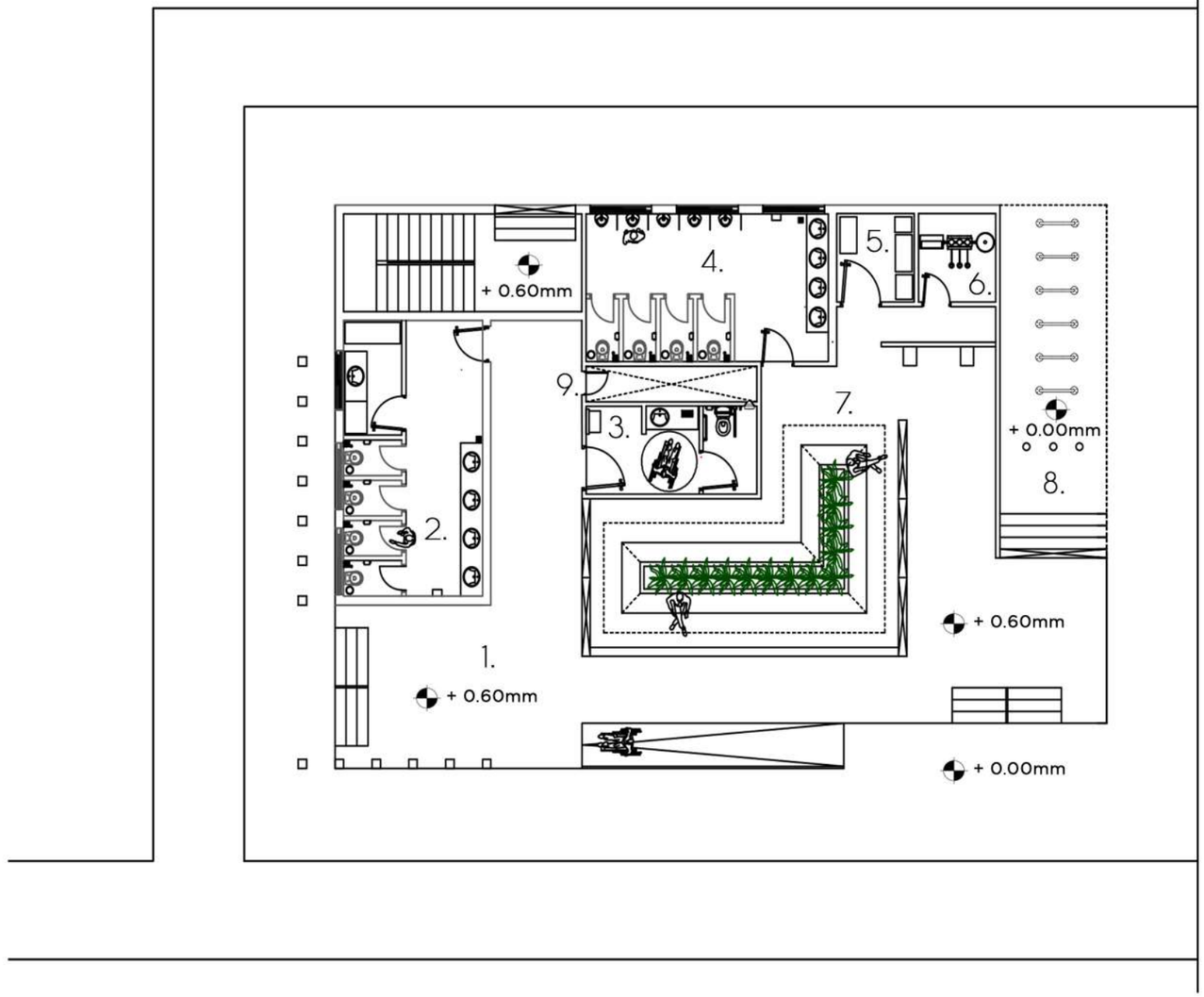
Pedestrians frequently walk by the facade in front.

BRICK FINS AND PERGOLA

SERIES OF ARCHES BESIDES A COURTYARD

GROUND FLOOR PLAN

CUT @2100mm



N

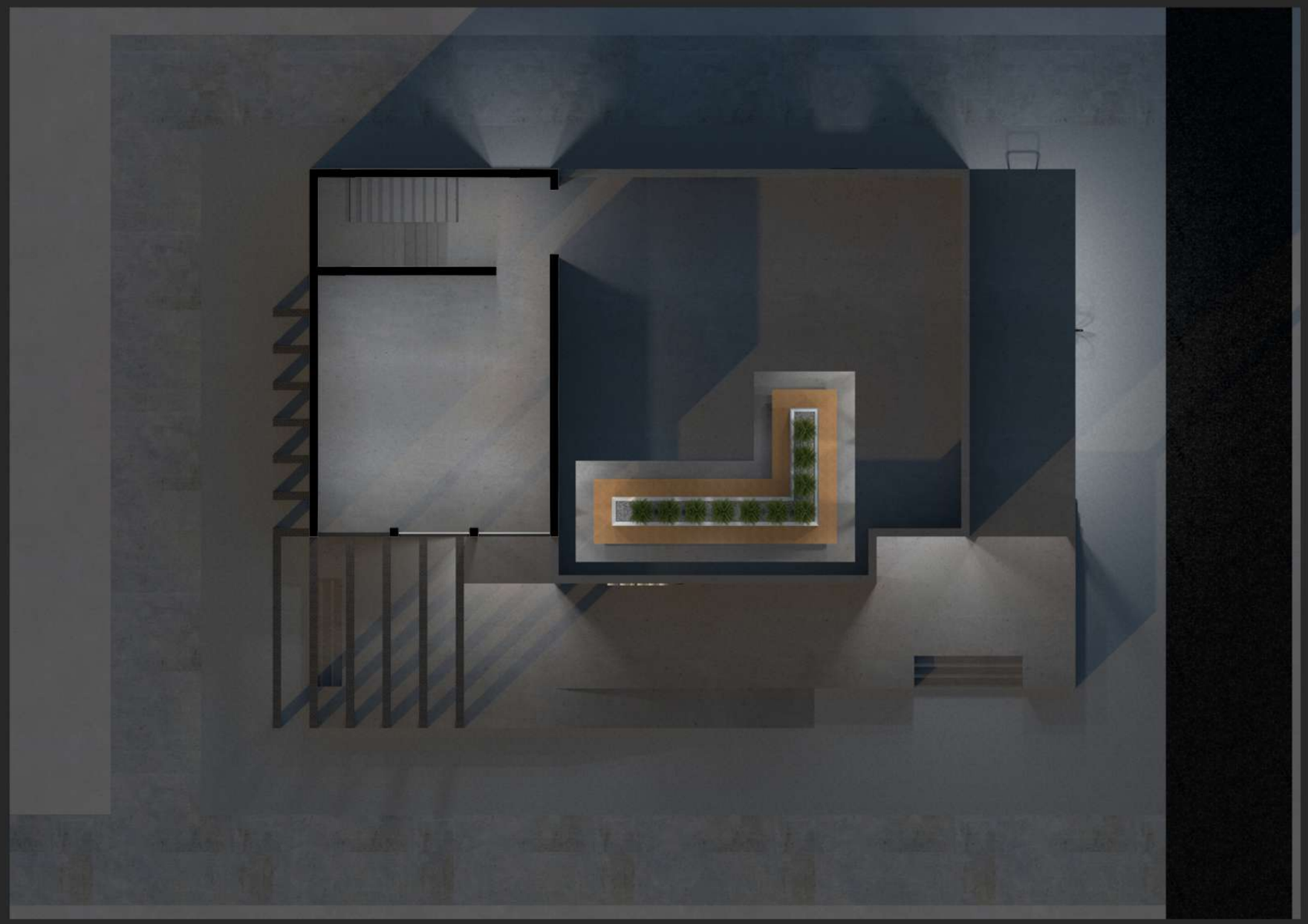
LEGEND

1. ENTRANCE PORCH
2. WOMENS TOILET
3. BARRIER-FREE TOILET
4. MENS TOILET
5. JANITORS ROOM
6. PUMP ROOM
7. SEATING AREA (CLOSED COURTYARD)
8. CYCLE STAND
9. SERVICE DUCT
10. 3000MM WIDE ROAD (METALLED)

0 1 2 3 5m

GROUND FLOOR PLAN

CUT @2100mm



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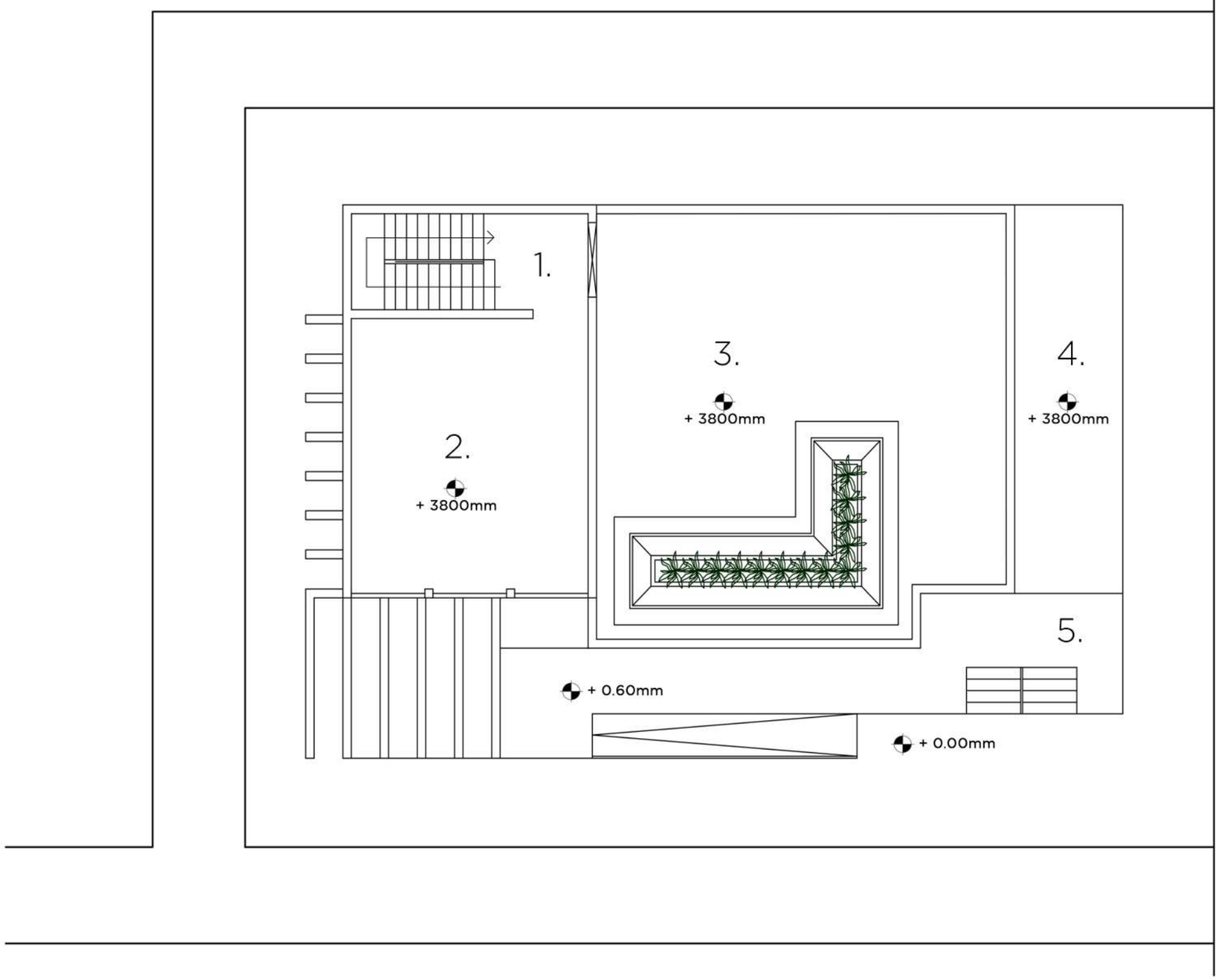
0 1 2 3 5m

FIRST FLOOR PLAN

CUT @5300mm



N

LEGEND

1. STAIRCASE
2. INDOOR INTERACTION SPACE CUM DINETTE
3. OPEN-AIR INTERACTION SPACE
4. CANTILEVER SLAB
5. ENTRANCE PORCH
6. 3000MM WIDE ROAD (METALLED)

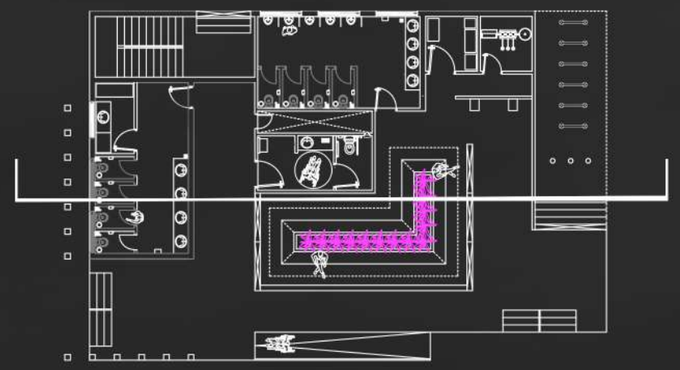
0 1 2 3 5m

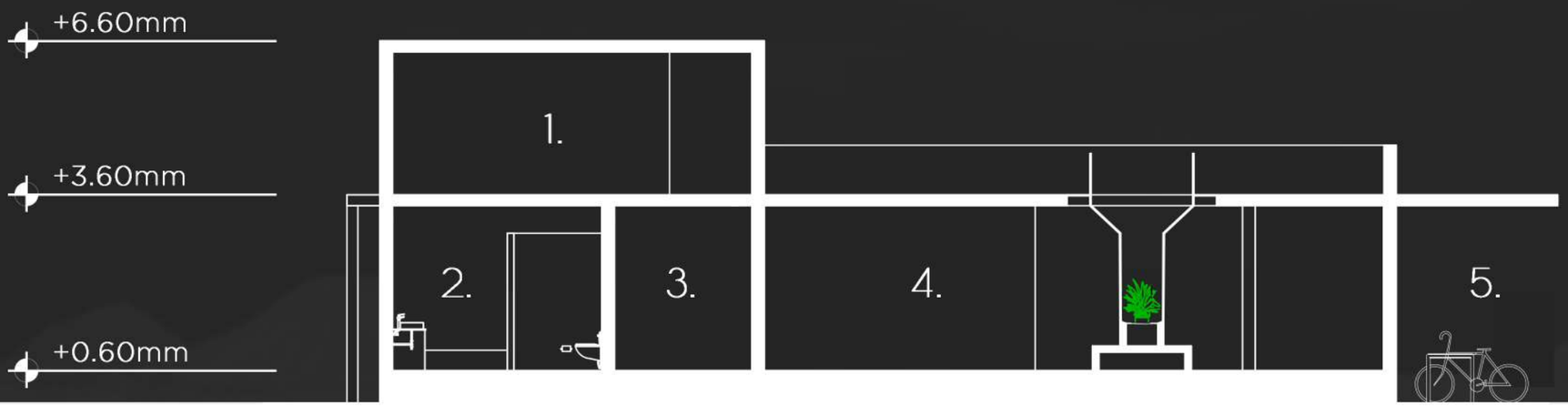
FIRST FLOOR PLAN

CUT @5300mm

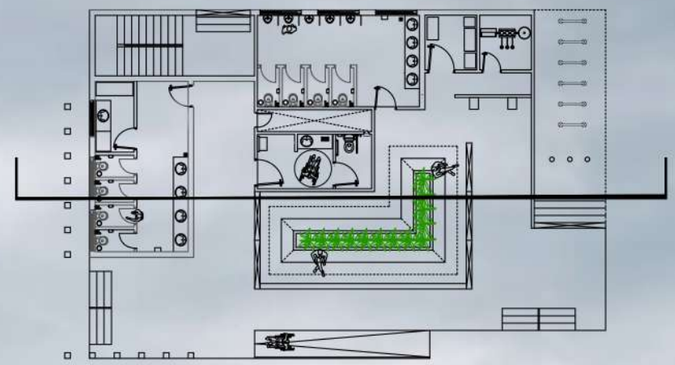
LEGEND

1. INDOOR INTERACTION SPACE
2. WOMENS TOILET
3. PASSAGE
4. SEATING AREA (CLOSED COURTYARD)
5. CYCLE STAND





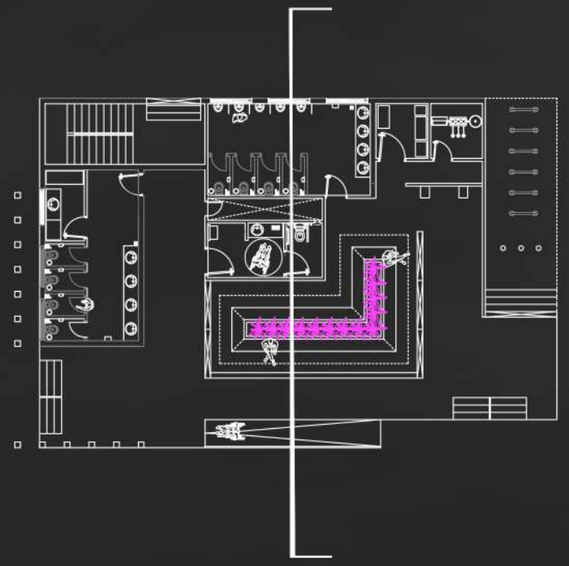
SECTION A-A'

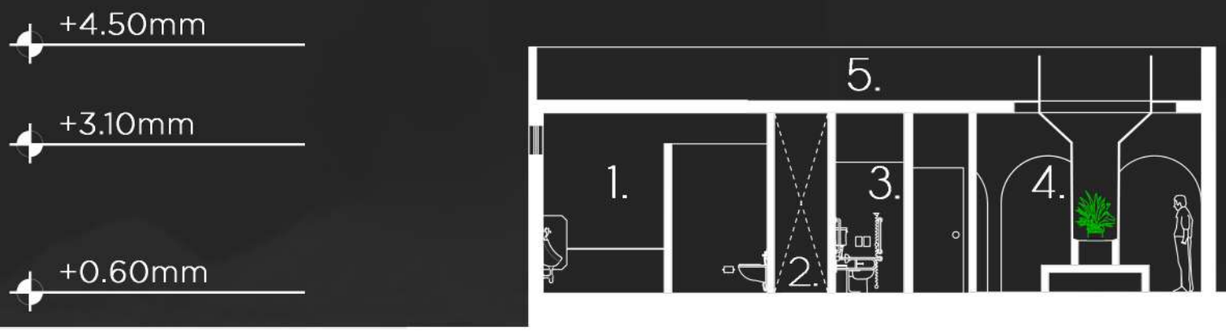


SECTION A-A'

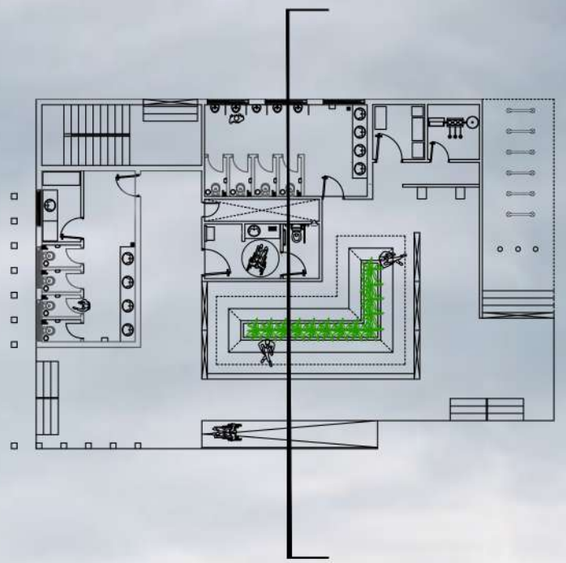
LEGEND

1. MENS TOILET
2. SERVICE DUCT
3. BARRIER-FREE TOILET
4. SEATING AREA (CLOSED COURTYARD)
5. OPEN-AIR INTERACTIVE SPACE





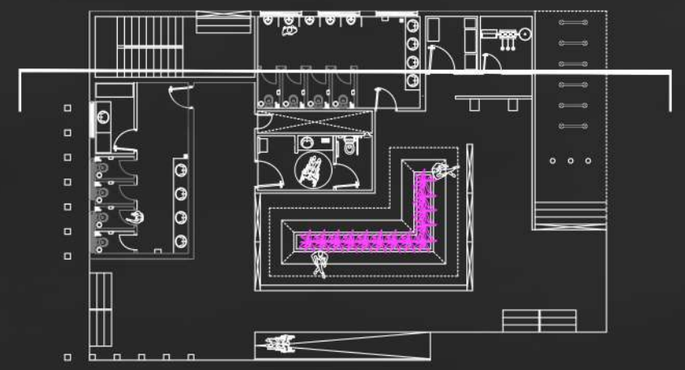
SECTION B-B'

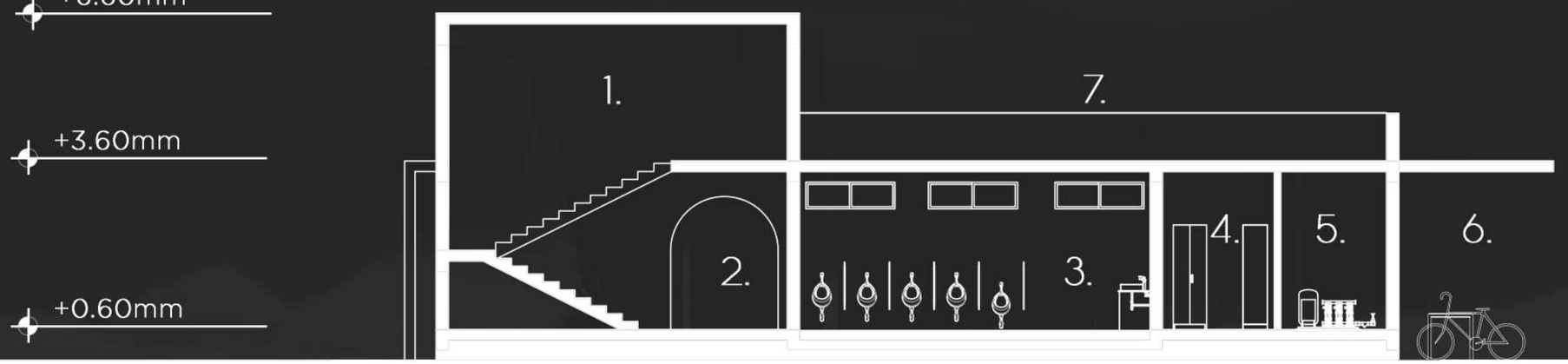


SECTION B-B'

LEGEND

1. STAIRCASE
2. REAR ENTRY/ EXIT
3. MENS TOILET
4. JANITORS ROOM
5. PUMP ROOM
6. CYCLE STAND
7. OPEN-AIR INTERACTIVE SPACE

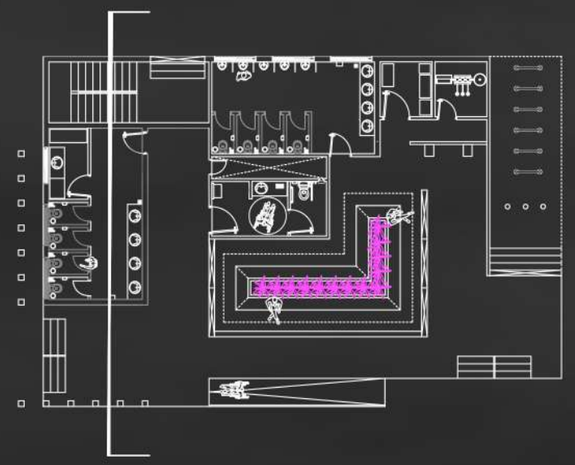


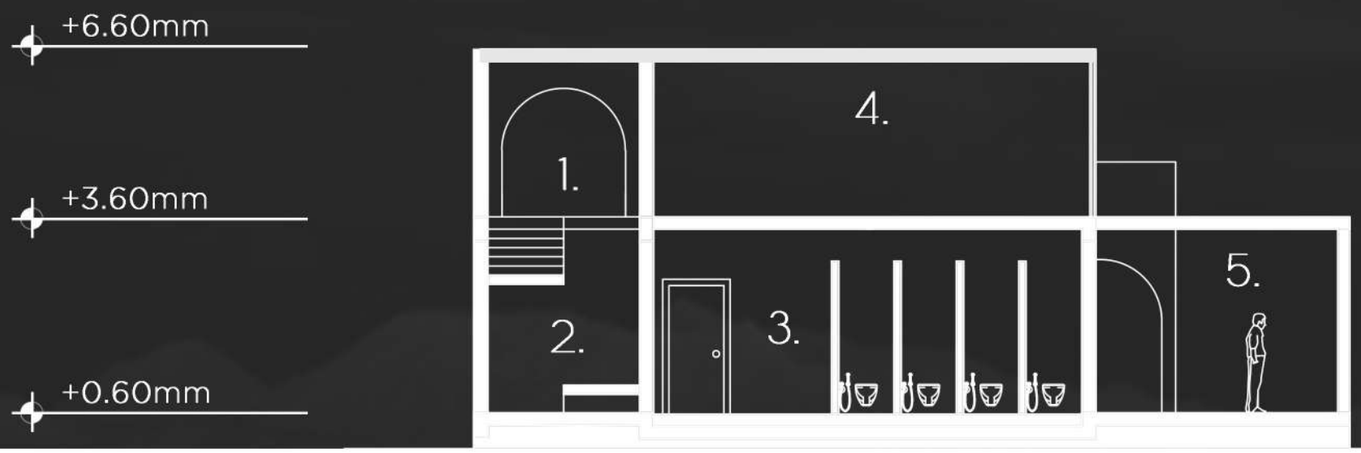


SECTION C-C'

LEGEND

1. ACCESS DOOR TO OPEN-AIR INTERACTIVE SPACE
2. STAIRCASE
3. WOMENS TOILET
4. INTERACTIVE SPACE
5. ENTRANCE PORCH

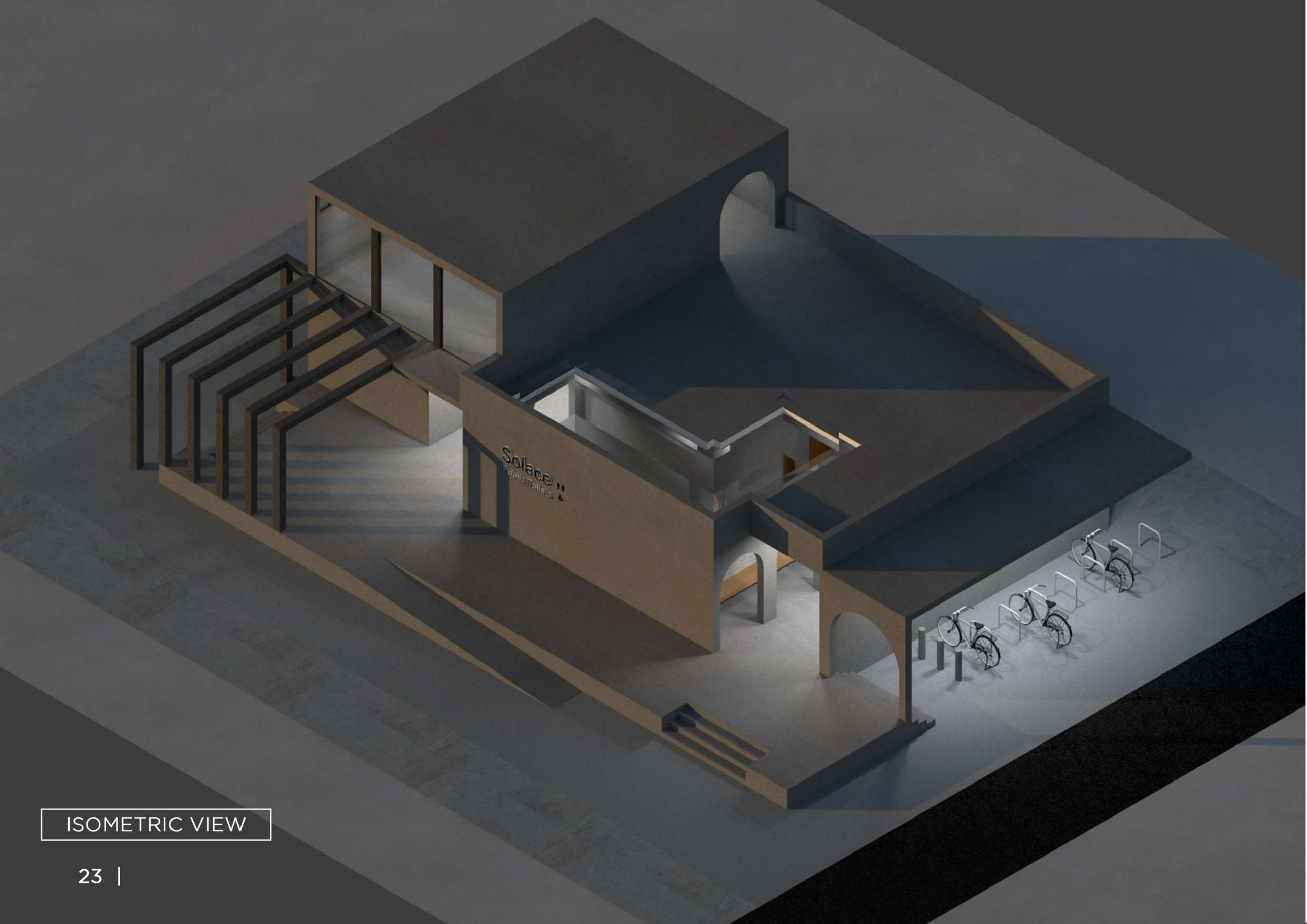




SECTION D-D'

SECTIONAL PERSPECTIVE VIEW A-A'

SECTIONAL PERSPECTIVE VIEW B-B'



ISOMETRIC VIEW

THE SOCIAL FOOTPRINT

The intervention tries to bring back **social and community interactions** amongst people and **resuscitate the relevance** of public spaces in the society.

This project will specifically focus on a larger section of society that includes women and will **ensure a safe and secure place** for **gatherings and public meetings**.

The **socio-interactive nature** of the space will significantly help **foster closer relations** amongst them creating a **remarkable impact** as well as a feeling of hope. The results will be long term with a high recall value.

SOLACE PUBLIC TOILET

ARCHITECTURE DESIGN PORTFOLIO

BHAVESH GOVINDANI