

ARCHITECTURE



SHAMBHAVI PANDEY

ARCHITECT



PROFILE

- : December 30th , 1996
- : +91-9643338916
- : Kendriya Vihar,
Sector 51,
Noida-201301
- : shambhavipandey30@gmail.com

FOLLOW ME

- : @HappilyCraftedBySham
- : www.linkedin.com/in/shambhavi-pandey-91b17a175/
- : www.facebook.com/Shambhavi30

HOBBIES & INTERESTS

- : Travelling
- : Graphics
- : Music
- : Photography

SHAMBHAVI PANDEY

FRESHER ARCHITECT

I am a dynamic , ambitious and detail-oriented architect. An enthusiastic participant in teamwork and always geared up to learn new skills.

I have the ability to work confidently under tremendous pressure to deliver the work on time. I am respectful and helping and a fun-loving person by nature

ACADEMIC QUALIFICATIONS

COLLEGE

2015-Present

University/Institution : Amity University /Amity School Of Architecture And Planning, Noida(UP)

Semesters :

- 10◆ Thesis - Hollongi Greenfield Airport
- 9◆ Urban Design - Hollongi Greenfield Airport
- 8◆ Internship- at Tripathi And Associates
- 7◆ Group housing , Noida.
- 6◆ Hotel design
- 5◆ Mother & child care hospital
- 4◆ Resort design
- 3◆ Play School, Okhla bird sanctuary
- 2◆ Residence Design
- 1◆ Introduction

2014

Senior secondary school(ISC)
Swaraj India Public School ,
Kanpur
(Percentage - 80%)

2012

Higher secondary school(ICSE)
Swaraj India Public School ,
Kanpur
(Percentage - 88%)

DOCUMENTATION

2017

Namami Gange - Riverfront development (Kolkata)

2016

Sanchi Stupa -Bhopal

COMPETITION

2018

Interior Design- Cherry hill

2017

Hospital Design- Ethos

WORK EXPERIENCE

2019

Internship under Ar. Indu Shekhar Tripathi in Noida.
Projects :

- 1.Residences
- 2.NCUI hostel building
- 3.Jawahar navodaya Vidyalaya - Various locations
- 4.Kendriya Vidyalaya- Various locations.

PROFESSIONAL SKILLS



Autocad



Photoshop



Revit



Lumion



Sketch-up



Microsoft office



Sketching



Mandala making



Photography



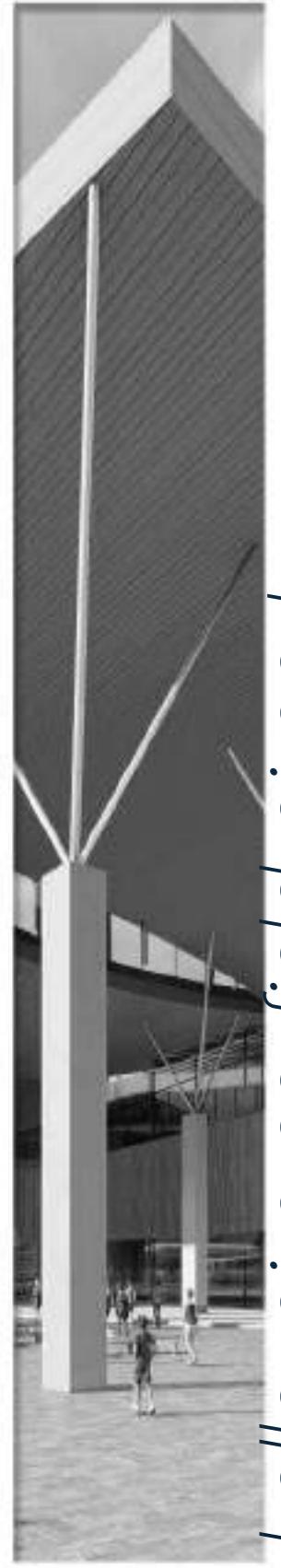
Teamwork



Model making



Hardworking



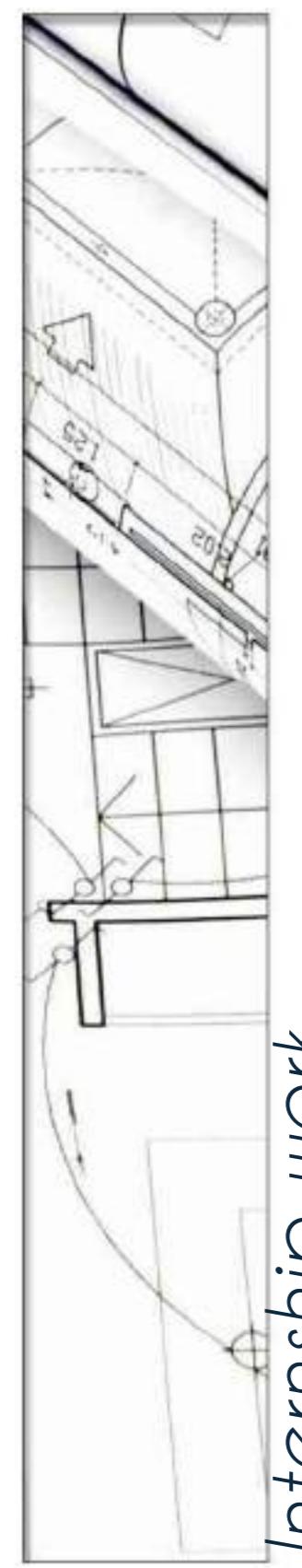
01

hollongi greenfield airport



02

Neo Delhi



03

Internship work



04

Group housing



05

Sustainable bus shelter



06

Ganga kinare - Kolkata



07

Extra-curricular

Hello

My name is Shambhavi Pandey.

I have recently qualified to be an architect after completing my B.Arch degree from Amity School of Architecture and Planning, Noida.

I welcome you to browse through my academic portfolio. This portfolio will give a glimpse of my caliber and passion for Architecture.

I believe, this portfolio captures my so far ever-growing potential and learning in the understanding of architectural world. Along with that it will walk you through several selected projects that I have completed during the course of my academic years in college.

My aim is to work in a more personalised environment dealing with projects where I can use my skills and learnings and help the organization to grow along with me. Every individual posses some strengths and I can affirmatively say that I can work under difficult situations with confidence and concentration. None the less, I'm a multi-tasker and a very puntual individual who posses impeccable communication skills.

01

Hollongi Greenfield Airport

Semester - 10

"State-of-art domestic airport"

Domestic Air terminal

Location : Hollongi, Itanagar,
Arunachal Pradesh.

The proposed greenfield project lies under the supervision of the Airport Authority of India and aims at connecting the North-eastern capital of Arunachal Pradesh to rest of the country catering to domestic air traffic of the city along with promoting trade, commerce and development.

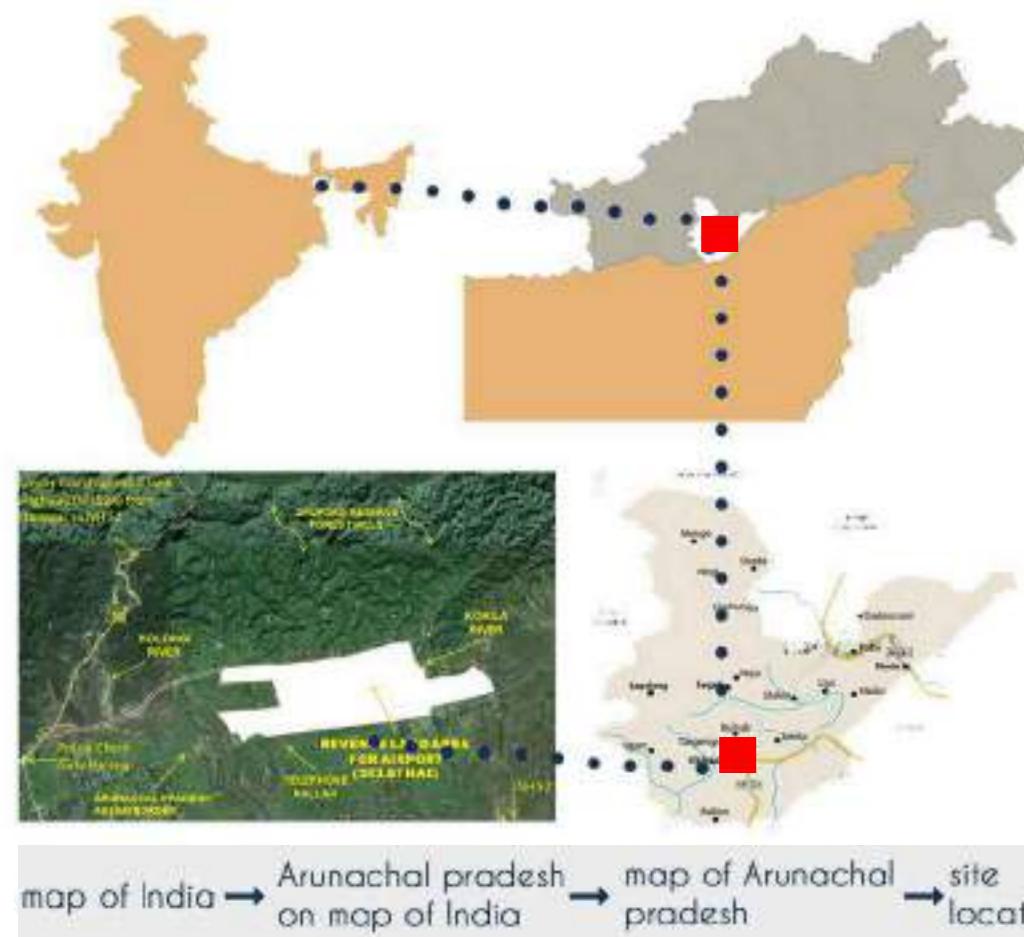


aerial view of the terminal building



kerbside view

location



landuse around proposed site (10km)

The areas within 10 km of the site are :

- Forest reserve (39.10 %)
- Agricultural land (38.29 %)
- Cultivable waste land(3.84 %)
- Urban area(15.22 %)
- Water body(3.55 %)

Plan concept

- Site has **kokila river** passing through it.
 - I've taken inspiration from the **movement of water**.
 - The movement of a water droplet is an intricate 2-way flow.
 - As soon as the droplet hits the water, It disperses equal amount of it in all directions
 - Passenger movement** through an airport is reminiscent of splashing water.
 - Terminal building is considered as the start of the flow for various activities.



Roof concept

- An attempt to generate an architectural expression while creating an identity addressing to the **velocity of change** with the pace of emerging cities around the world.
- The roof is designed in such a way to highlight the **passenger movement**.
- it also represents a **wave**, which is my primary roof form.

schematic movement



Private car / VIP car drop-off, circulation and parking movement shown

Staff has a different entry and moves to the mezzanine floor of the arrival side directly after getting security check on ground floor.

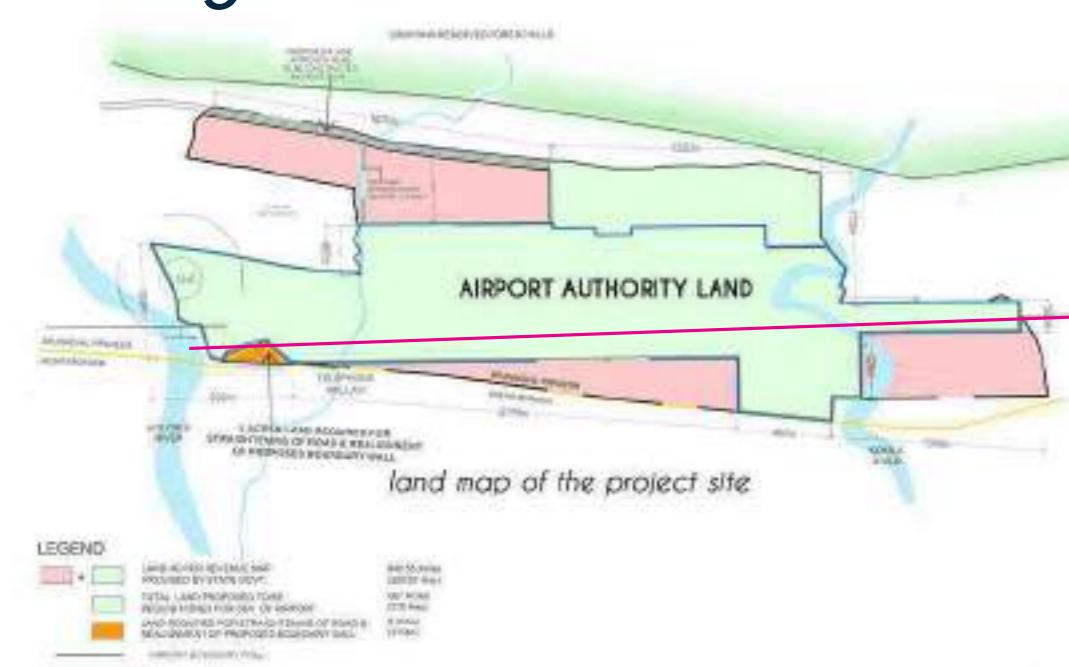
Taxi/ cab drop-off, pickup,
parking and movement shown.

Different access zones for both arrival and departing passengers depicted in the diagram.

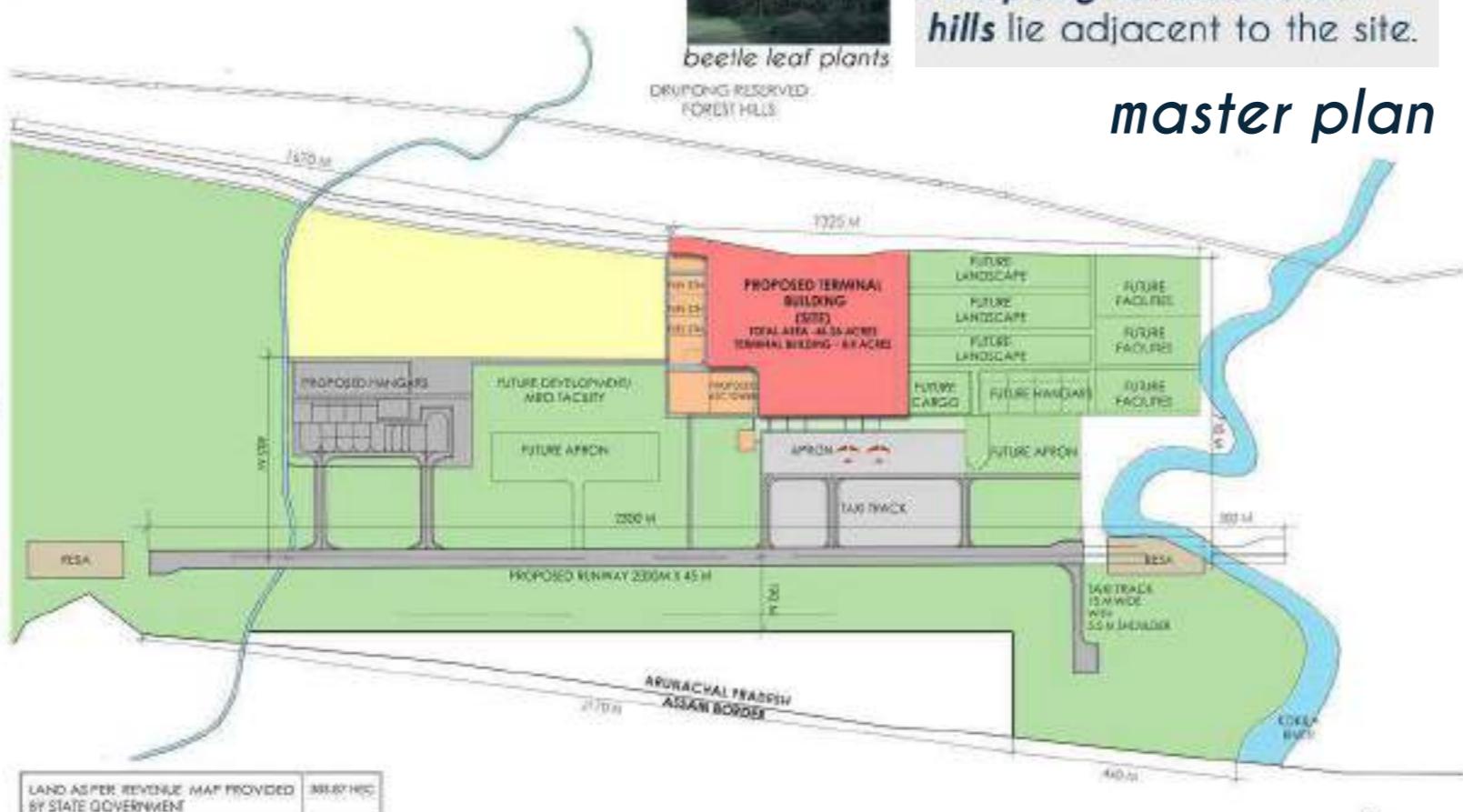
pedestrian movement in and about the site shown in the diagram

crew members have an entirely different entry so that it does not obstruct the general passenger security check.

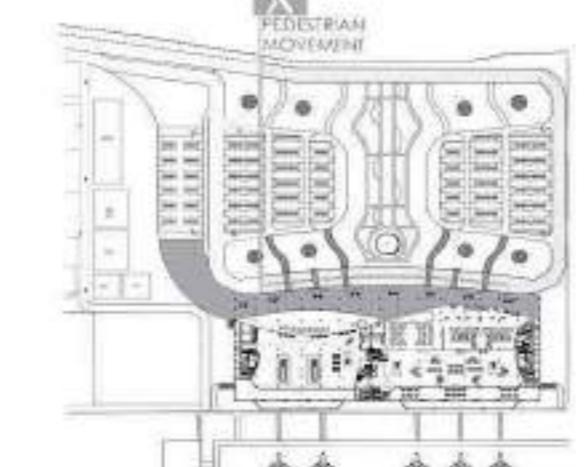
existing site



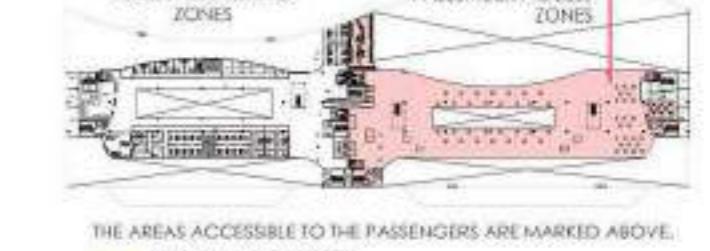
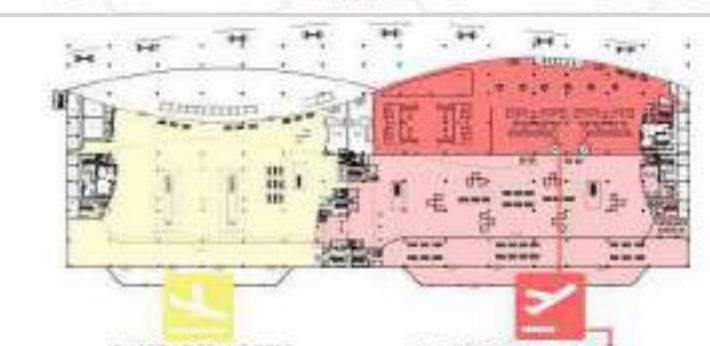
client : Airport authority of India
location : holongi , itanagar , arunanchal pradesh
project area : 383.87 hectares - 948.5 acres
site area : 46.26 acres
terminal area : 8.4 acres
elevation : 104 m above rnsl
peak hour capacity : 700
parking : 525 car parks
runway : 2300MX45M
topography : plain cultivable land
vegetation : forest cover
climate : humid subtropical climate



master plan



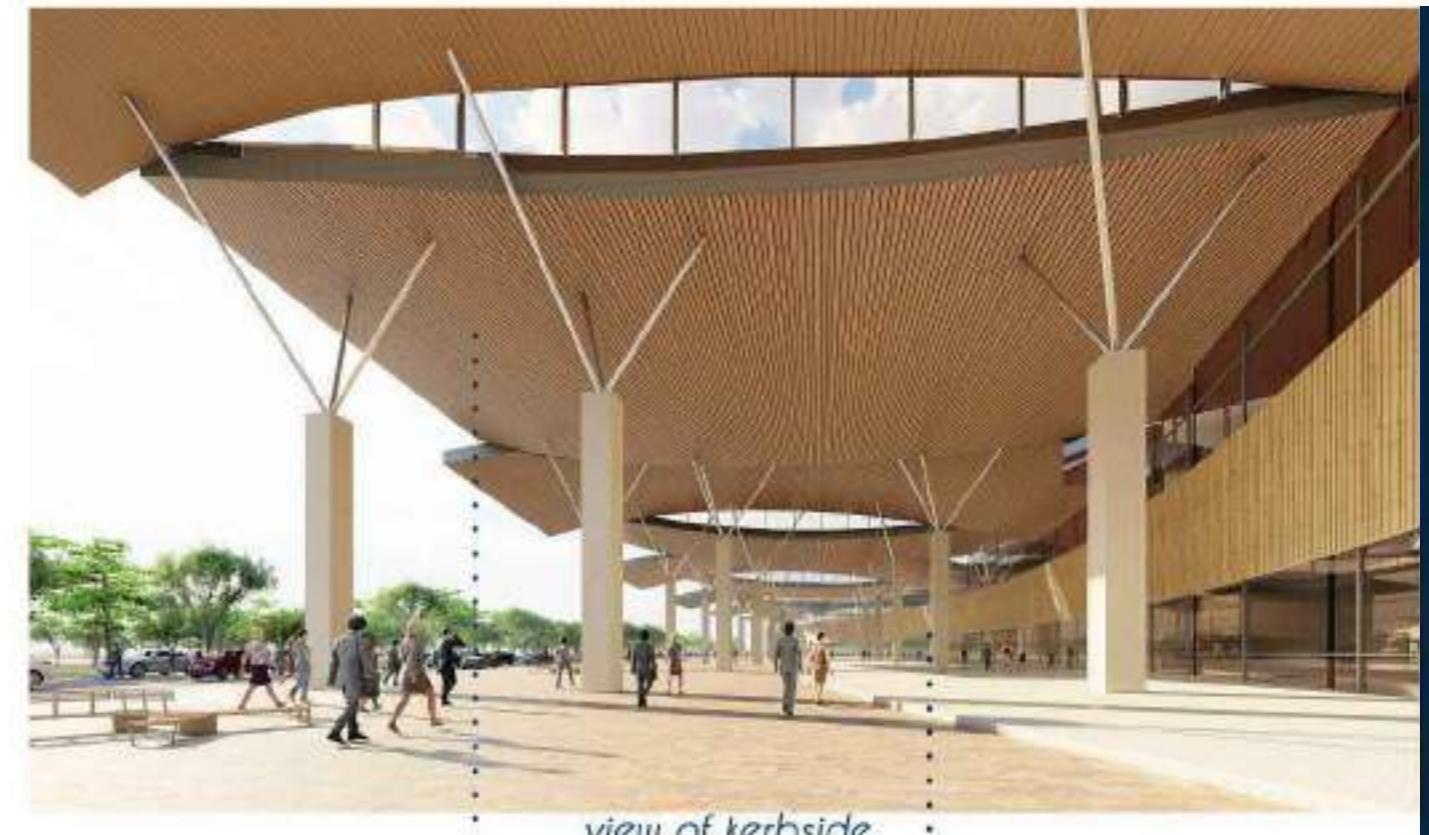
access zones





Key features :

- Single integrated building catering both arrival and departing passengers
- Uniflow movement of traffic to avoid any confusion.
- Bold and sleek form.
- Transparent façade.
- Use of locally available materials.
- the vibrant interiors.
- modern structure solution.
- Ample green space.
- space for people waiting designated.
- Sustainability



02

Neo Delhi

Semester- 9

"Rethinking the iconic circle."

Urban design : Redesigning Connaught place

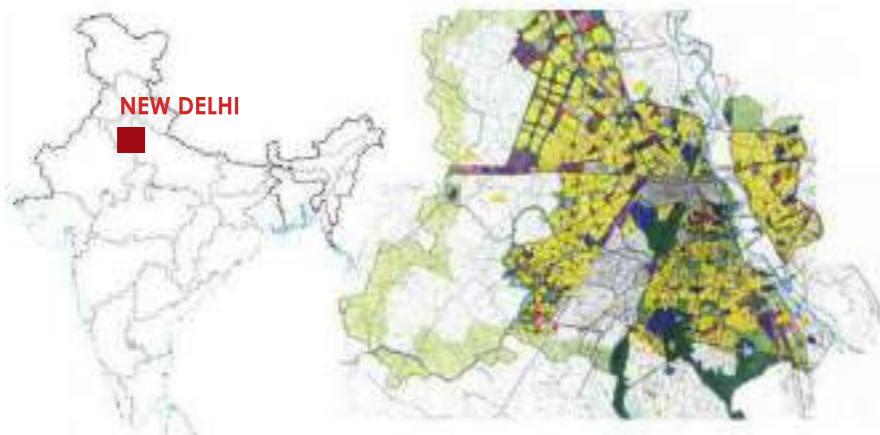
Location : New Delhi , India

New Delhi, The capital city of India is the power of largest democracy. Connaught Place is one of the largest financial, commercial and business centres in New Delhi, India.

This project involves rethinking and redesigning the iconic circle.



physical model of the proposed design

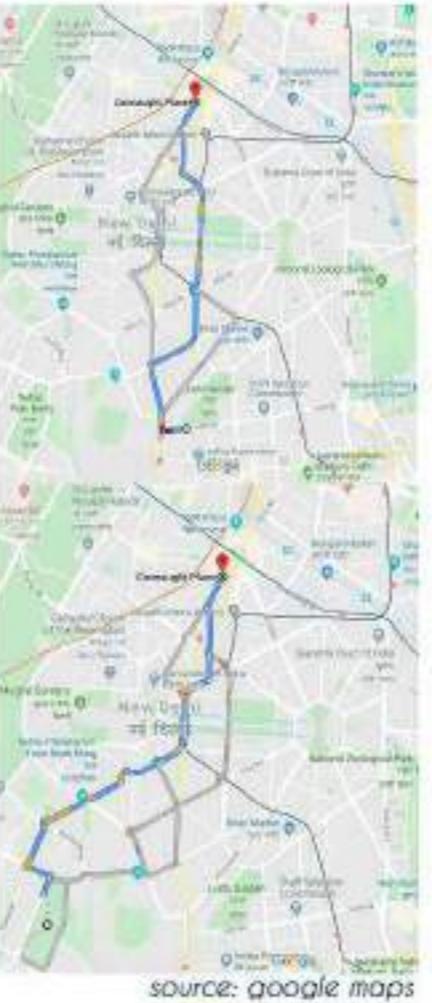
location

New Delhi on map of India → Landuse map of New Delhi → Connaught place → site location

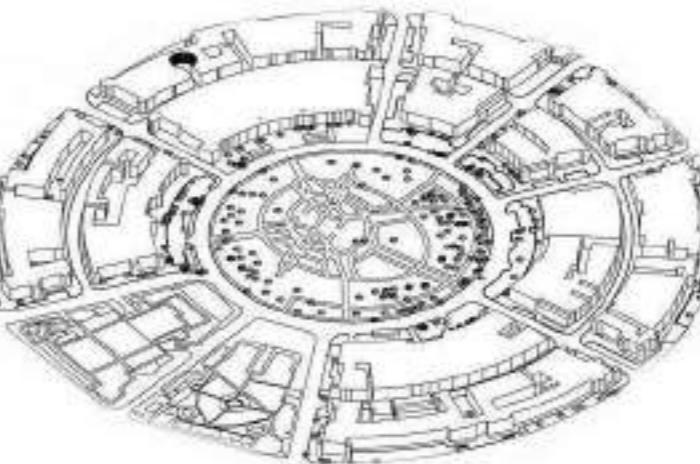
vision

Connaught place offers a unique experience to its users and our main motive is to retain and increase that experience, along with revitalizing the area and increasing the quality of space.

As observed, the nearest green parks are the **Lodhi park** and **Nehru park** which are at a distance of **5.8kms and 6.1 kms** respectively. Hence the need of a green breathable area is of utmost importance to the place.

**concept**

- Re-densifying the spaces by including new levels and increasing the green open regions.
- Creating opportunities of merging nature with mankind and bringing communities together.
- Introducing an **Urban park** by integrating landscape with the infrastructure with improving user experience.
- Integration of ecological and infrastructure systems in order to bridge the gap between the green and built fabric.



- Lots of permutations and combinations were done to place the building blocks.
- Green terraces were introduced along with re-densifying the whole area.

The layout of existing Connaught place.



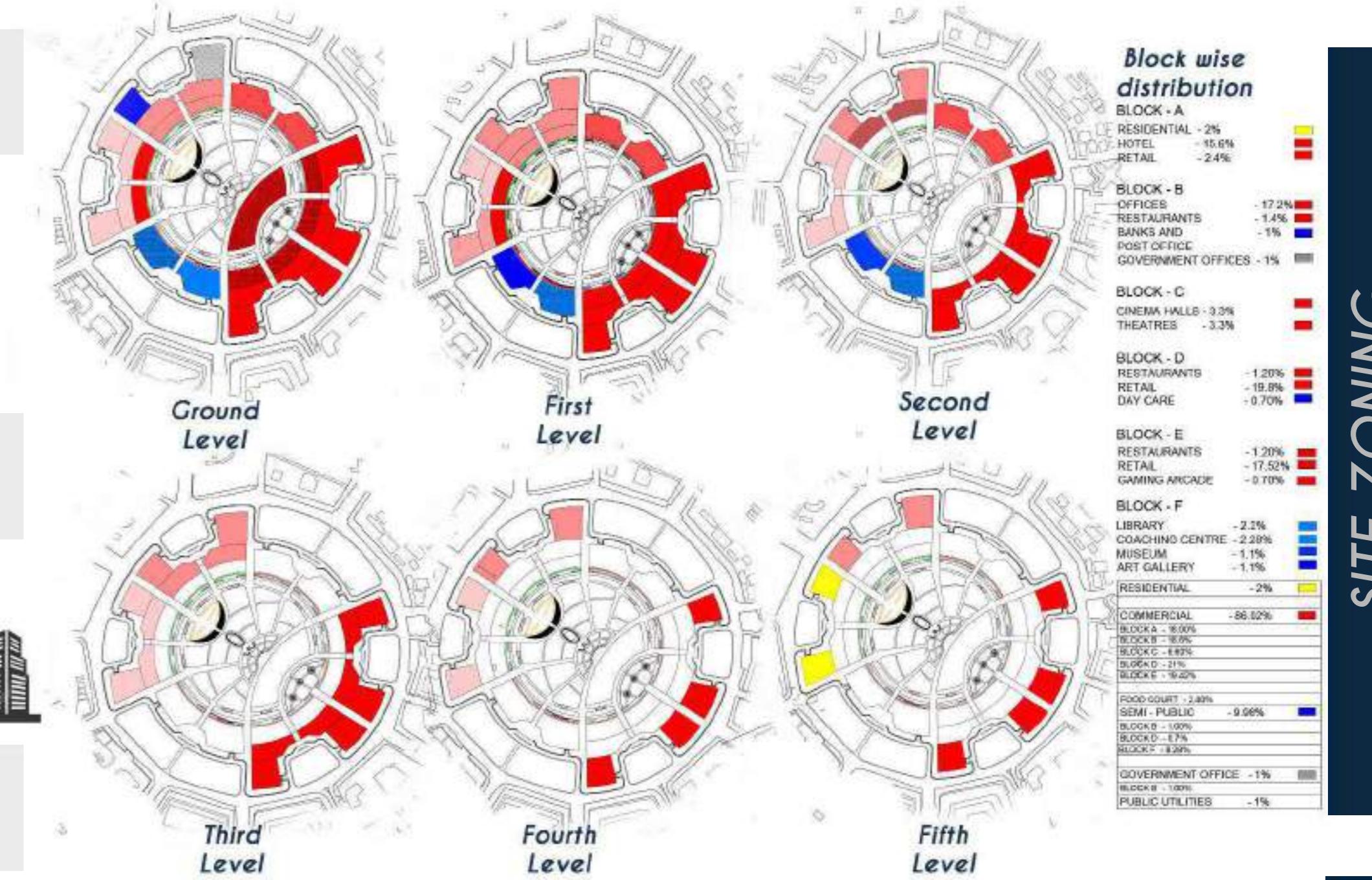
- A form incorporating green open spaces along with pedestrianising the movement in inner areas was adopted.
- The central greens is developed and invites more people towards itself.

typological development

Existing:
Mixed Use

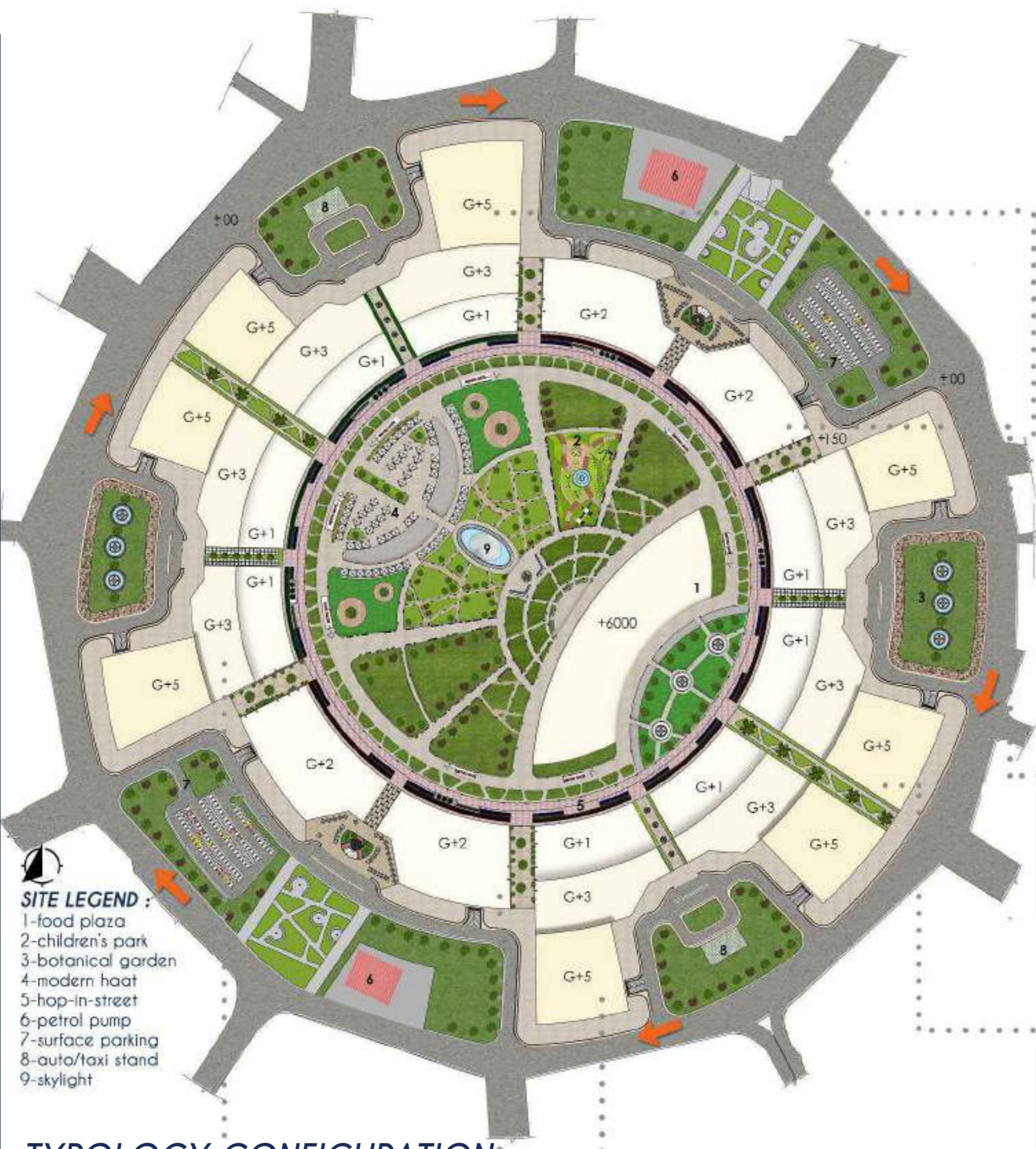
Re-thinking
&
Re-design

Proposed:
Segregated
building usage



ISSUES : Vehicles hampering pedestrian experience, insufficient parking spaces, lack of green spaces, navigation issue, traffic congestion.

SOLUTIONS : Pedestrianising inner circle, designating space for hawkers and vendors, underground parking, improved wayfinding



TYPOLOGY CONFIGURATION (block wise)

BLOCK A

This is a multifunctional block providing different typologies such as residential, retail and hotel to come together.



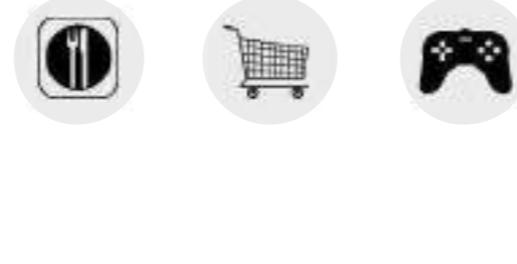
BLOCK F

Consists of all semi-public amenities such as library, coaching centre, museums and art galleries.



BLOCK E

Serves as a leisure centre, giving way to a lot of public interaction in terms of restaurants, retail and gaming arcade.



SITE DETAILS

Location: New Delhi, India.
Site area: 72 Acres
Ground coverage:
Existing- 25%
Permissible- 40%
Achieved- 30.4%
F.A.R :
Existing- 0.54
Achieved- 1.17
Total built-up : 345976
PARKING :
Required- 6700 car parks
Achieved- 7000 car parks

BLOCK B

This block has the maximum interaction of public & semi-public facilities, included offices, restaurants, banks, postoffices and government offices.



BLOCK C

Accommodates cinema halls and theatres, hence providing a huge opportunity of public interaction with a wide range of activities.

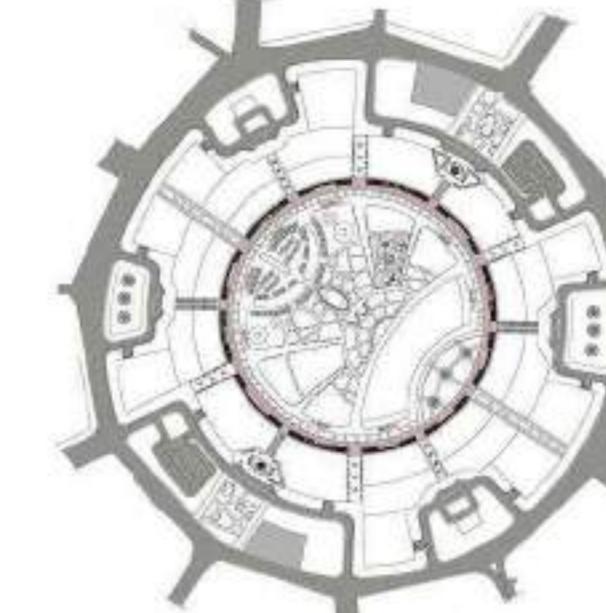


BLOCK D

Dominated by restaurants, retail and day-care, this block involves a lot of public interactivity from all sections of the society.



VEHICULAR MOVEMENT



-The vehicular circulation is restricted to the outer circle or the indira chowk with one way movement, pedestrianising the inner circle with incorporation of taxi and auto stand on the periphery.

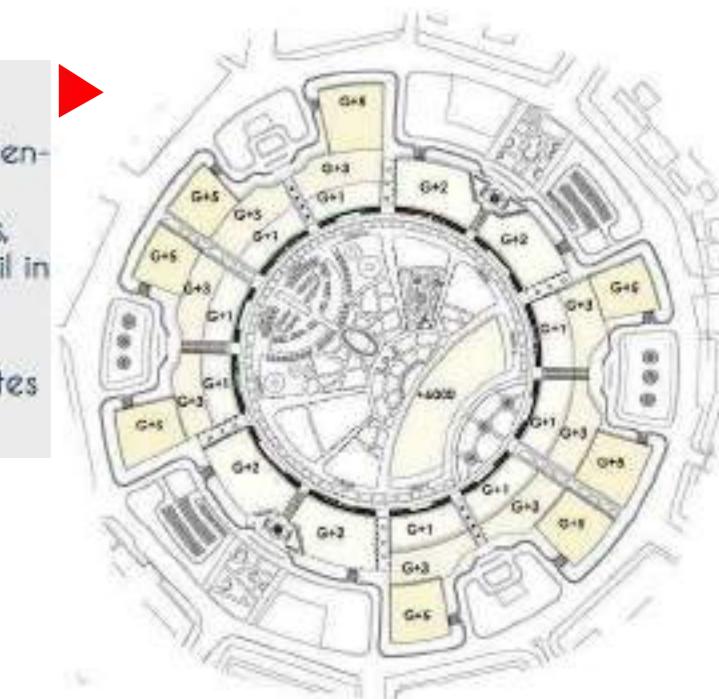
-No vehicular movement inside the circle to facilitate a more convenient space for the commuters.

-cycle tracks with cycle stands at regular interval helps in moving from one block to another.

BUILT-MASS

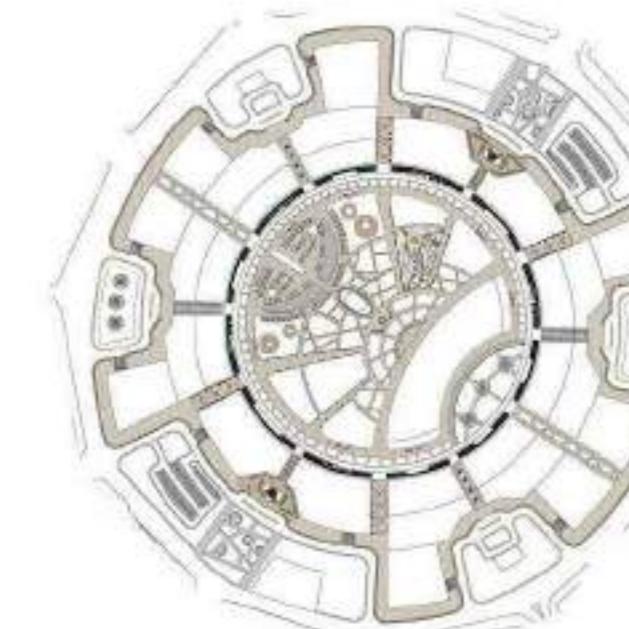
-Introduction of new levels in order to satisfy the need of re-density.
-To make it easy for the commuters, similar type of building uses prevail in the same vicinity, hence navigation issue also helped with.
-addition of green terraces facilitates usage of grey spaces.

G+5 LVL G+2 LVL
G+3 LVL +6000 LVL
G+1 LVL



STRATEGY DIAGRAMS

HARDSCAPE



-A network of walking and cycling routes and its connection with the city centre results in short, varied and direct connections that improves public experience.



-The materials used are shown :
1.hexagonal paver,
2.herringbone paver
3.concrete road
4.herringbone paver

SOFTSCAPE



03

Internship work experience

Semester- 8

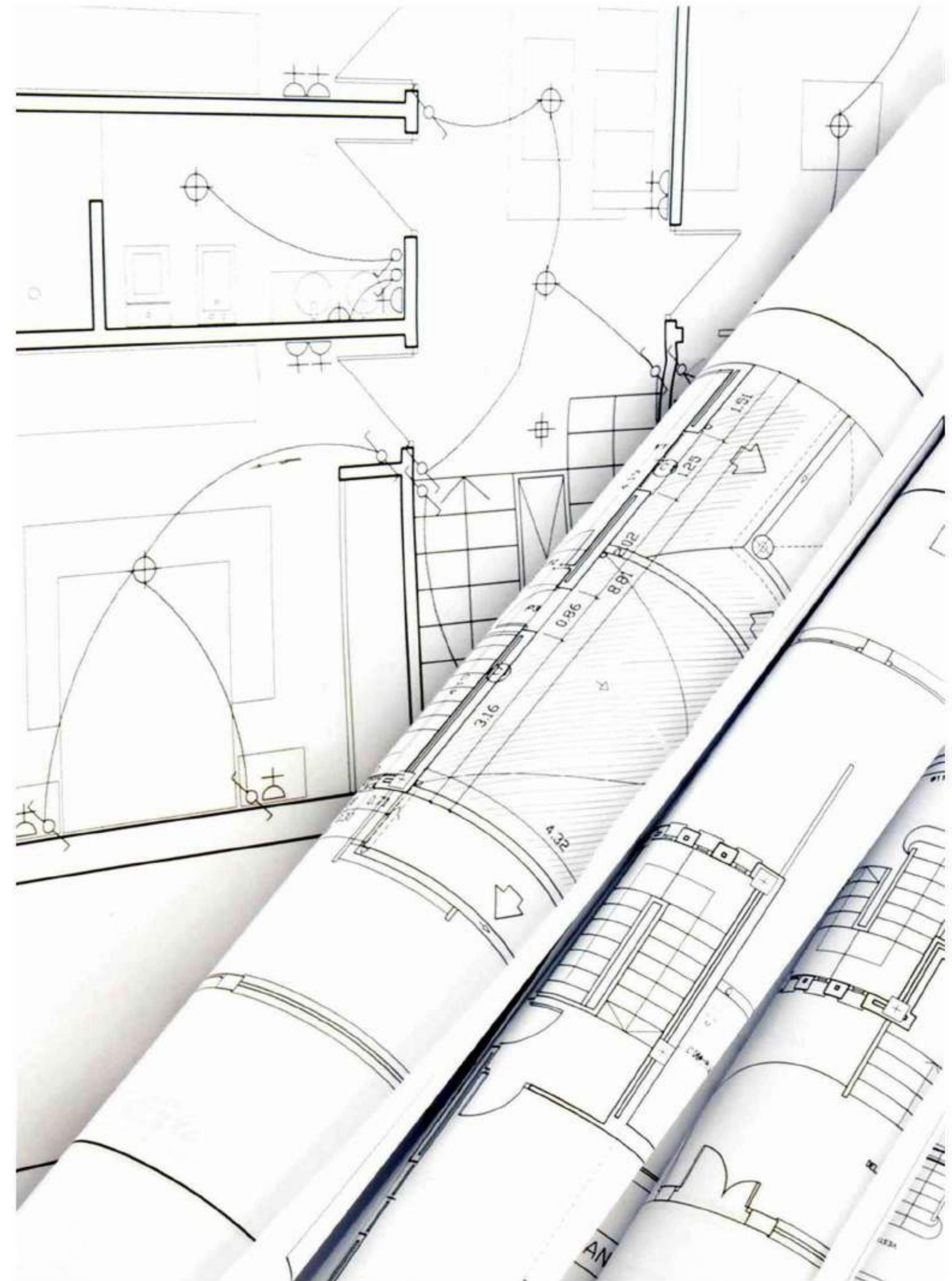
"Industry experience."

Location : Noida. U.P.

Noida is the emerging industry estate of the state.
Internship under Ar. Indu Shekhar Tripathi in Noida.

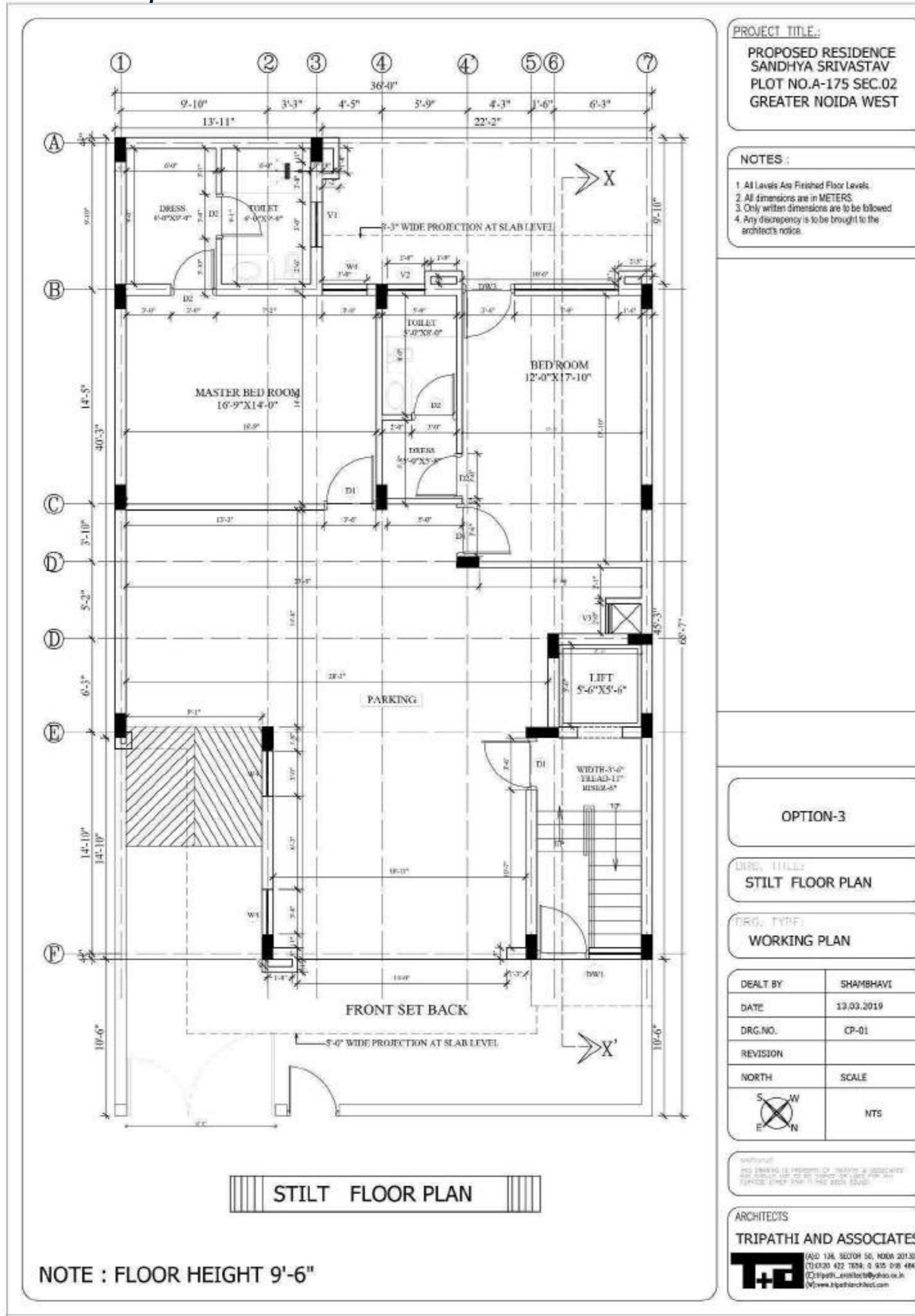
Projects :

- 1.Residences
- 2.NCUI hostel building
- 3.Jawahar navodaya Vidyalaya - Various locations
- 4.Kendriya Vidyalaya- Various locations.

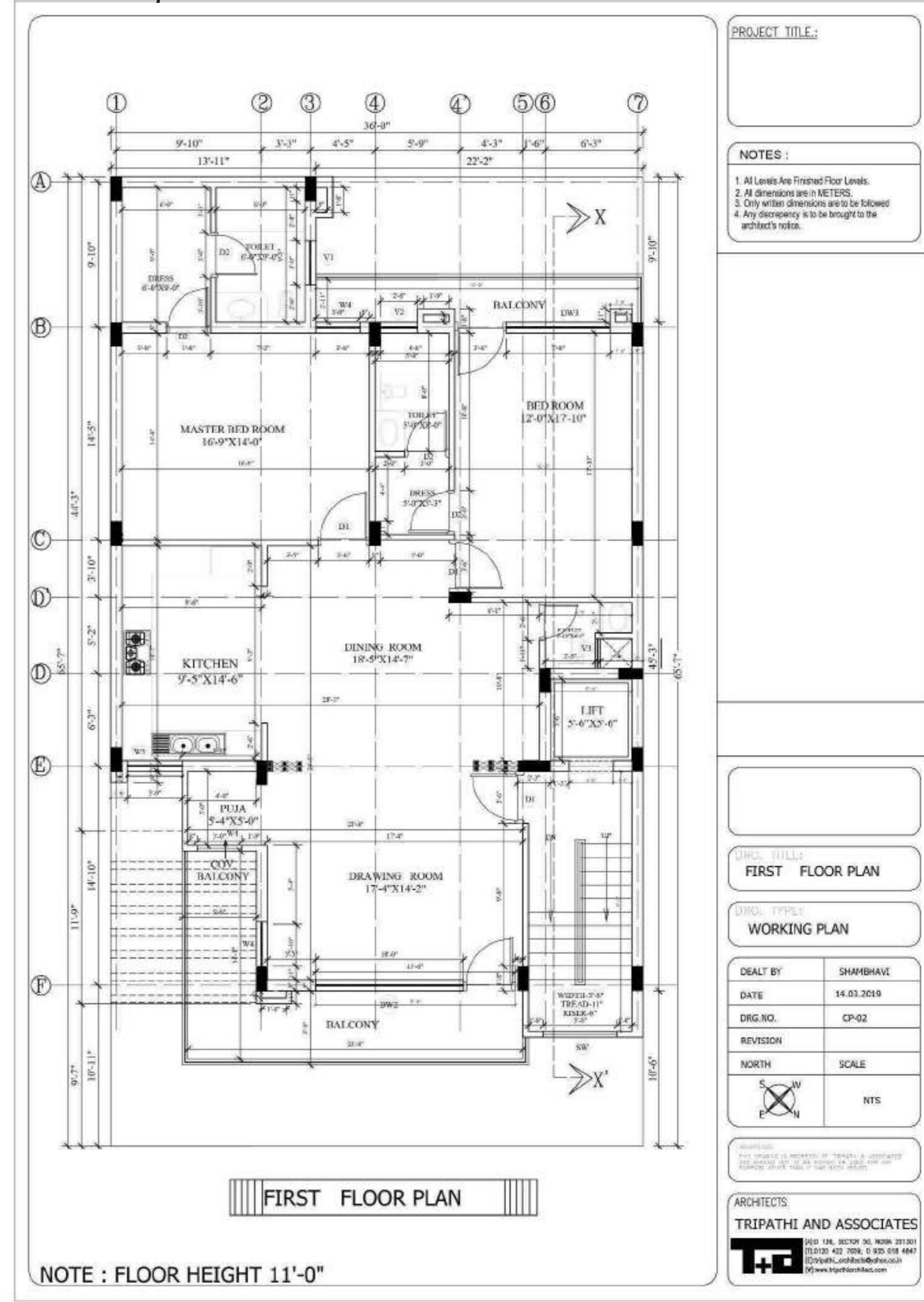


A-175, RESIDENCE, NOIDA

Stilt floor plan

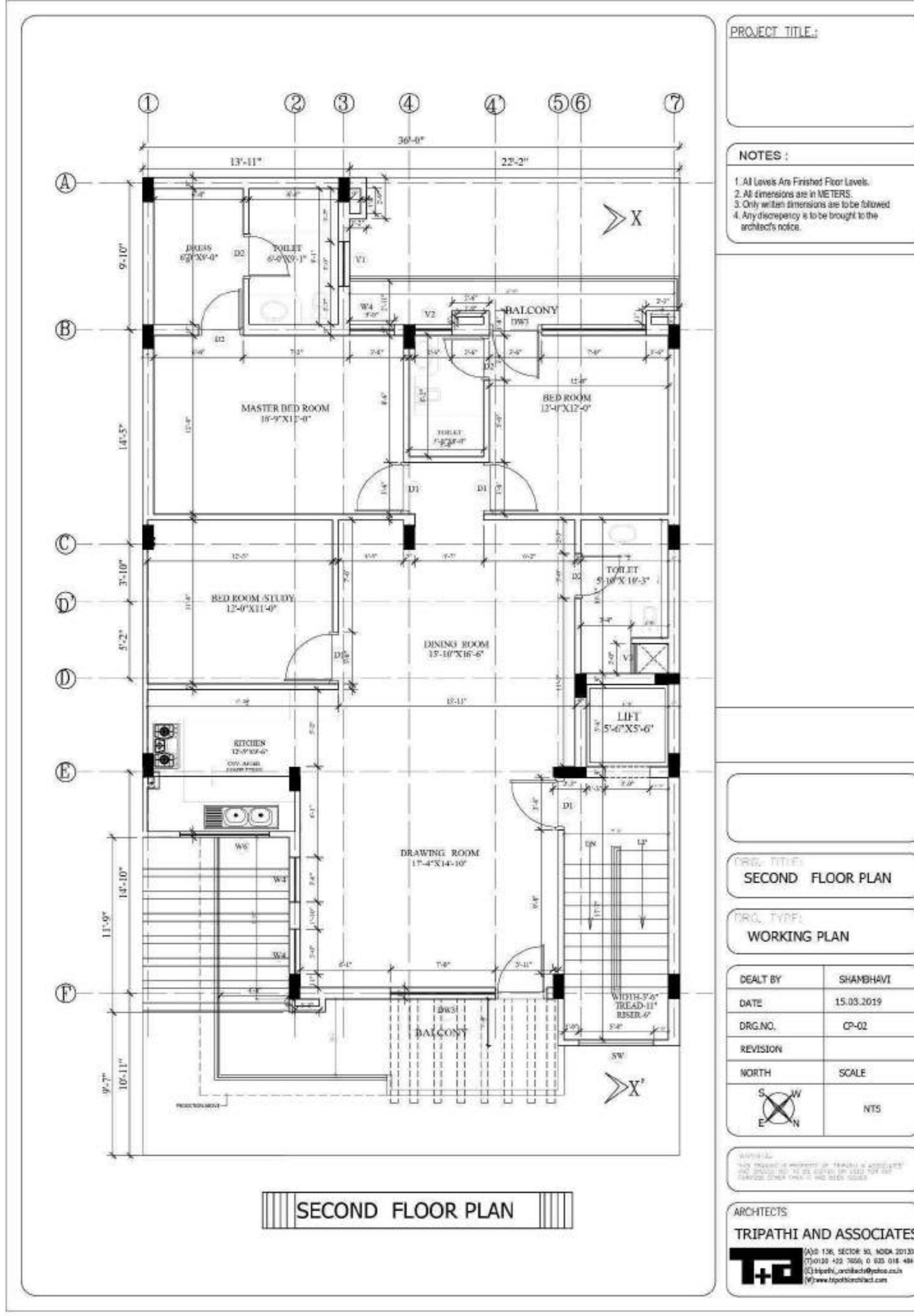


First floor plan

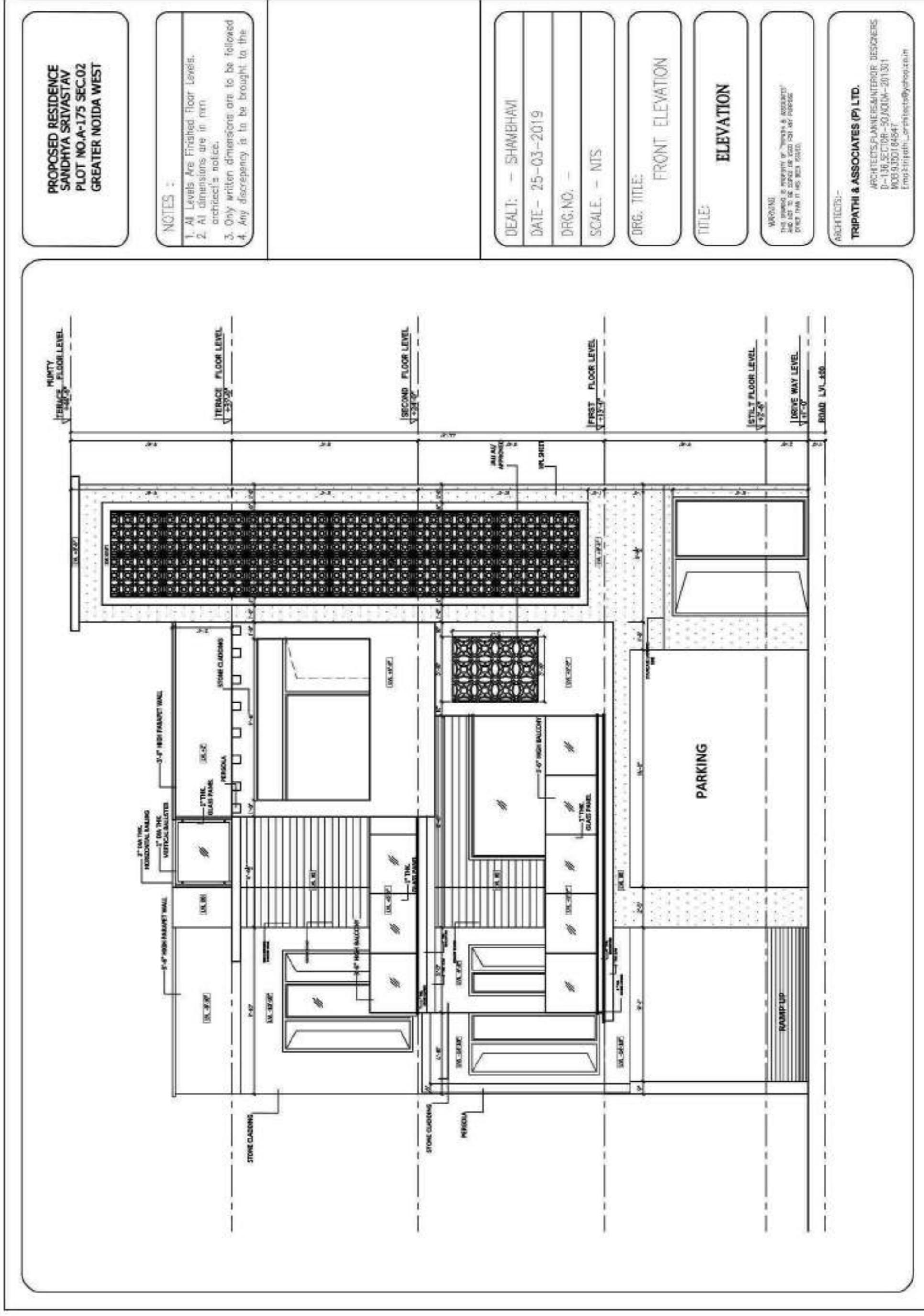


A-175, RESIDENCE, NOIDA

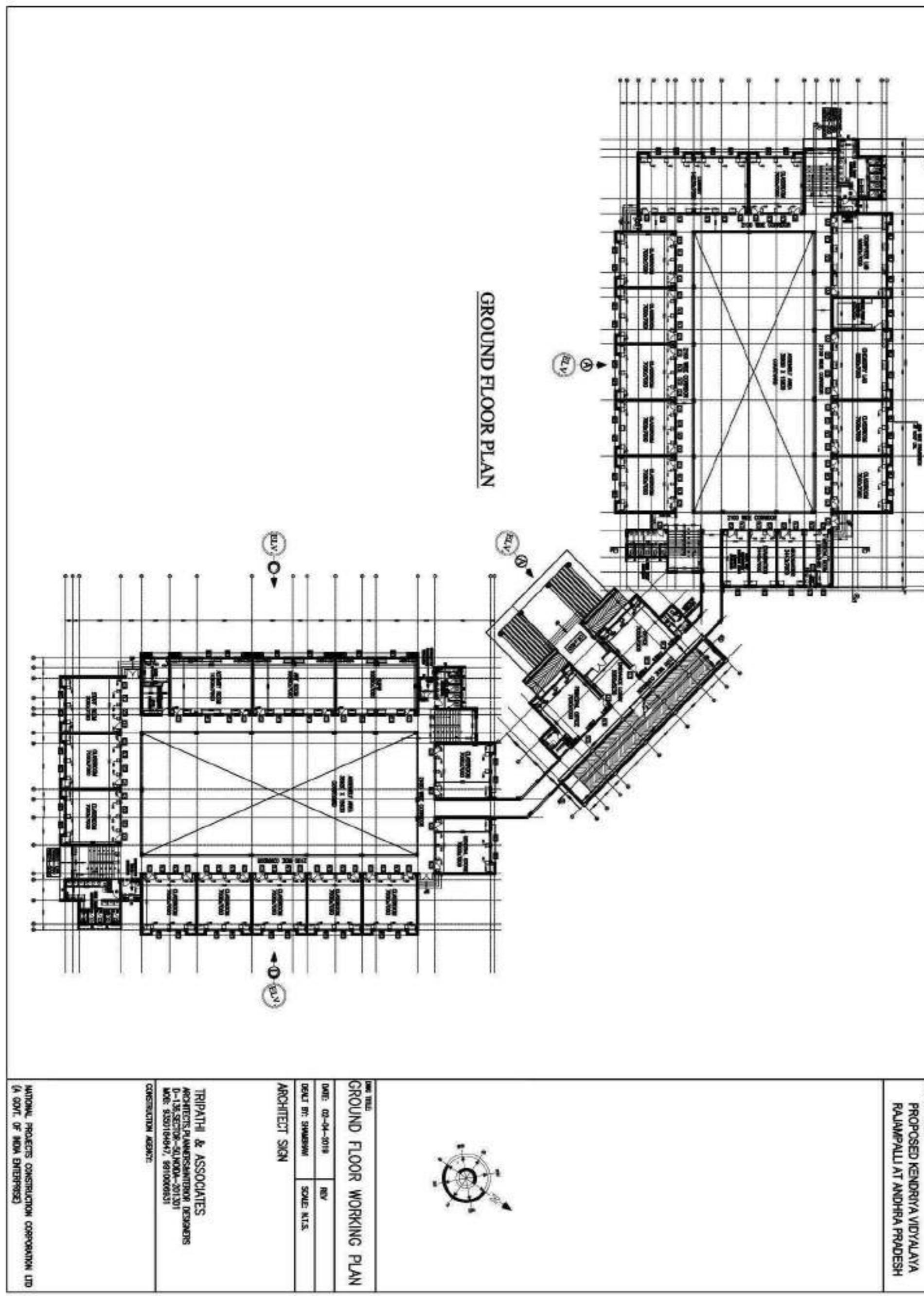
Second floor plan



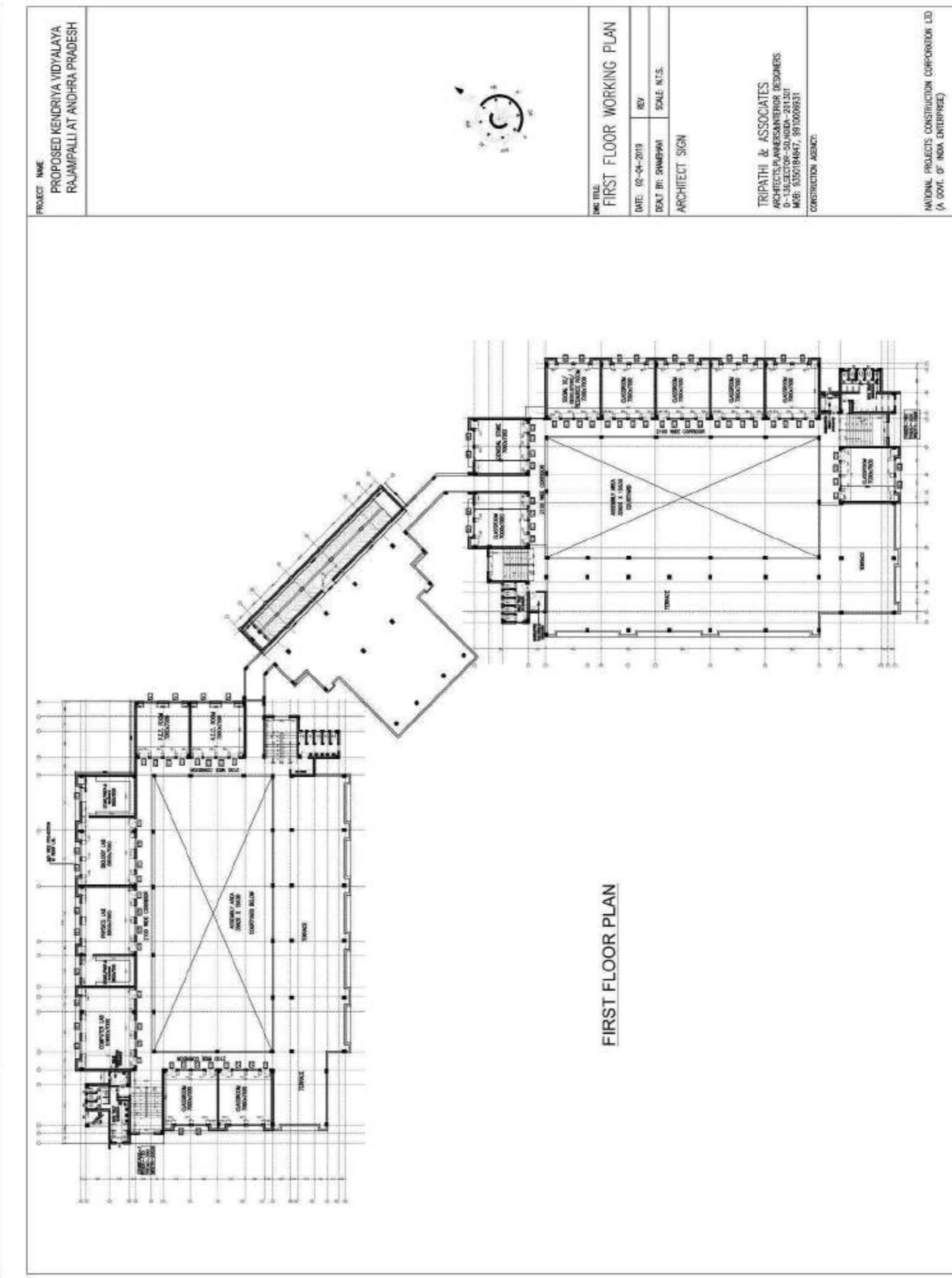
Front elevation



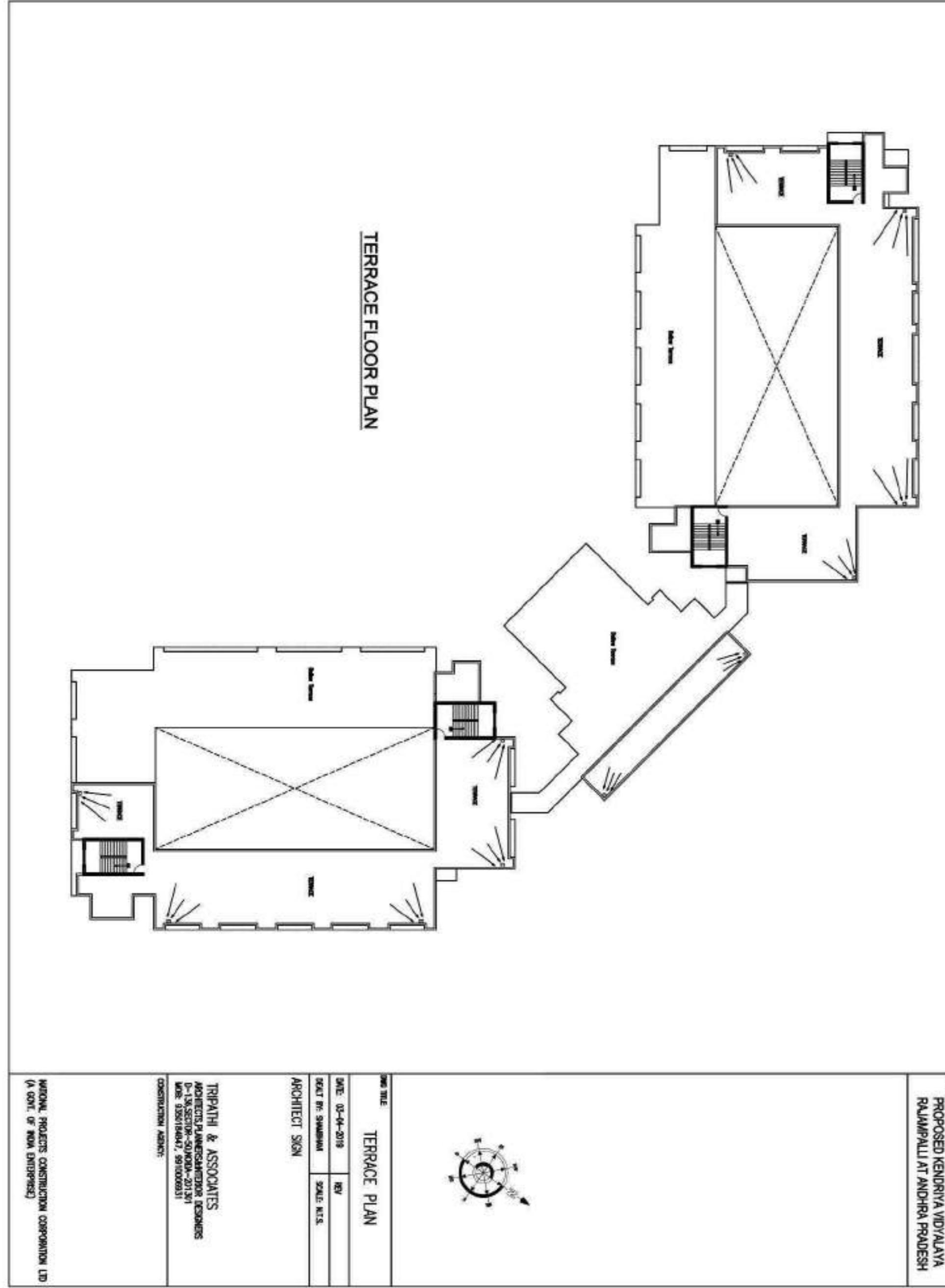
Ground floor plan



First floor plan



Terrace floor plan



door/window schedule

SCHOOL BUILDING D/W SCHEDULE					
S.N.	WIDTH	CILL	H.T.	UNTEL	
D1	1800	-	2550	2550	
D3	1200	-	2550	2550	
D4	900	-	2550	2550	
D5	750	-	2100	2100	
W1	1800	900	1650	2550	
V1	1500	1800	750	3000	
V2	900	1800	750	3000	
V3	750	1800	750	3000	

PROJECT NAME
PROPOSED KENDRIYA VIDYALAYA
RAJAMPALLI AT ANDHRA PRADESH

DATE: 01-04-2018 REV: 00
DESIGNER: S. S. SHARMA SCALE: N.E.S.
ARCHITECT SIGN:

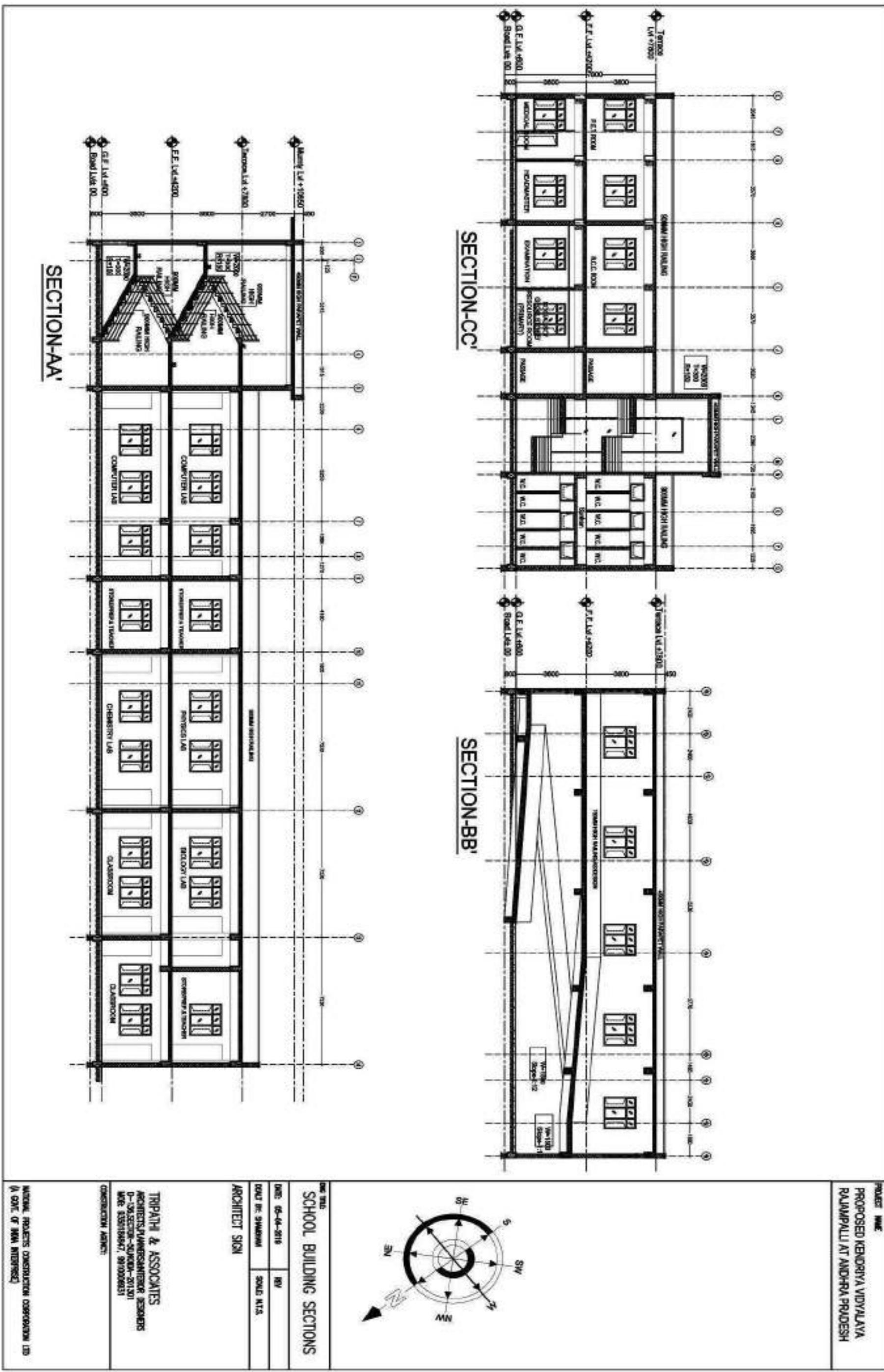
TRIPATHI & ASSOCIATES
ARCHITECT PLANNERS DESIGNERS
D-16, SECTOR-10, NOIDA-201301
MOBILE: 9810000111

CONSTRUCTION AGENT:

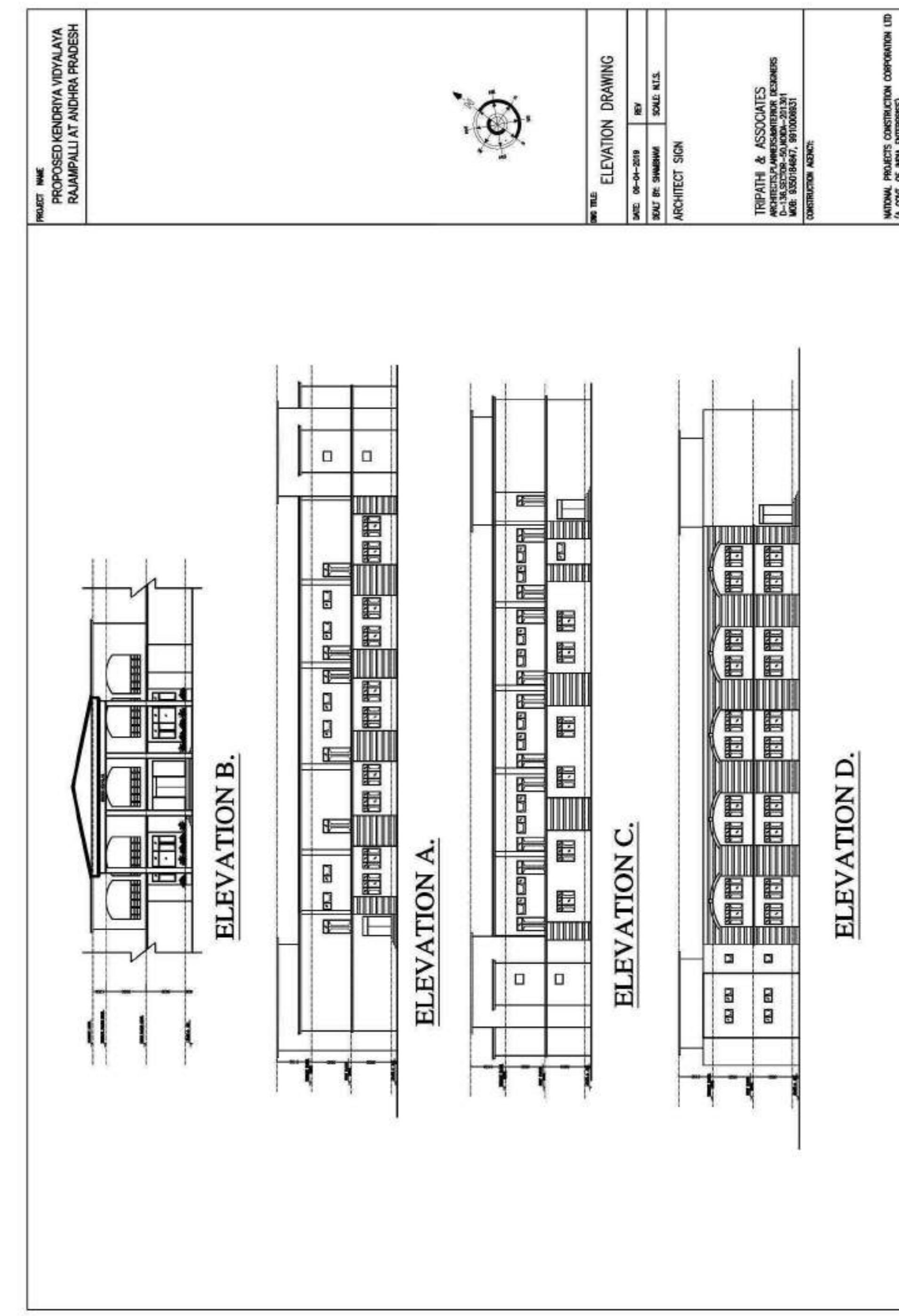
UP STATE CONSTRUCTION AND INFRACONSTRUCTION
DEVELOPMENT CORP (WANNA LTD), LUDHIANA
INDIA

A-175 , RESIDENCE , NOIDA

Section



Elevation



A-175 , RESIDENCE , NOIDA

04

GROUP HOUSING

Semester- 7

“A living for all.”

High rise apartments.

Location : Noida, Uttar Pradesh

Noida, is one of the rapidly growing cities that houses a huge number of people due to its close vicinity to the capital city.

The purpose of this group housing is to accommodate not only the higher upper class but also the gradually growing weaker sections.



Skyline of the project site

location : Sector 32 , Noida ,
Uttar Pradesh.

site area : 6.63 Acres.

This group housing project consists of set percentages of 4bhk, 3bhk, 2bhk, studio and EWS flats considering the building bye laws of Noida.

LEGEND :

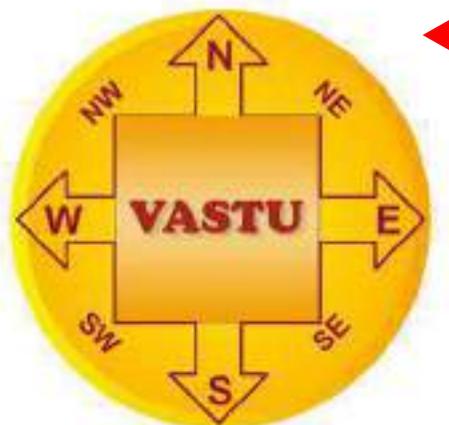
- 1 : Site
- 2 : Logix City Center
- 3 : Wave City Center Metro Station.



Smart buildings - devices installed to check the air quality and are controlled through Wi-Fi.



Green wall; adopted in this urban environments to help plants reduce overall temperatures of the building.



Vastu Shastra is followed in the design of the units, aiming at harnessing the higher energy levels within the self and helping in various aspects of life.

approach & context



LEGEND

- 1 : Entry/exit
- 2 : Studio
- 3 : 2 BHK
- 4 : 3 BHK
- 5 : 4 BHK
- 6 : Sand Pit
- 7 : Playcourts
- 8 : Amphitheatre
- 9 : EWS
- 10 : Commercial
- 11 : Club House
- 12 : Services

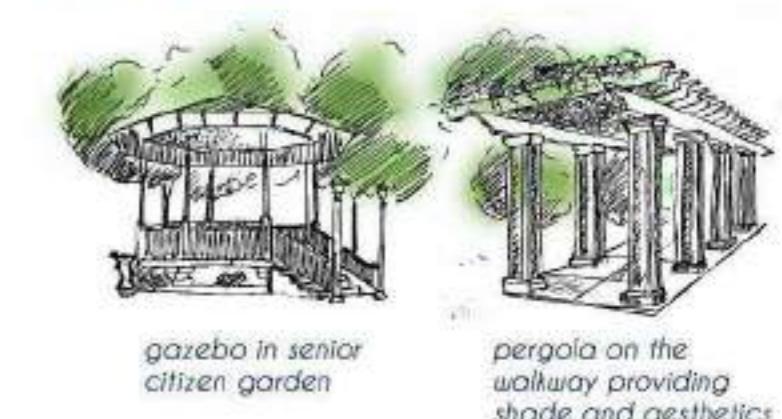


Site plan of the proposed housing project site.

landscape materials used



sketches



4- BHK cluster & unit plan



4- BHK cluster

4- BHK unit

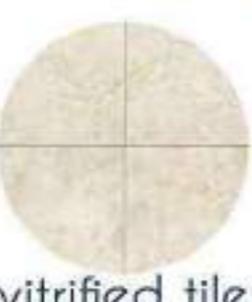
3- BHK cluster & unit plan



3- BHK cluster

3-BHK unit

finishes used



vitrified tiles

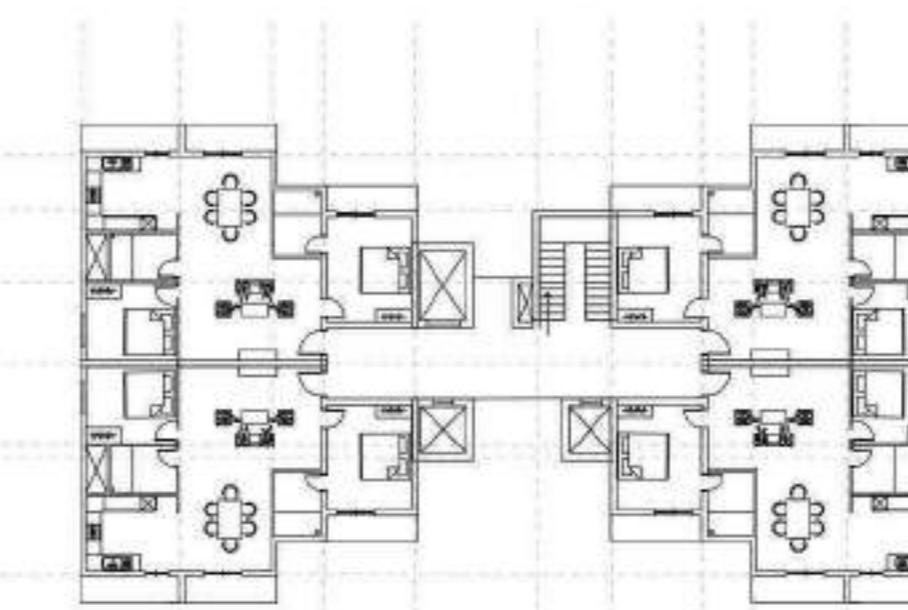


wooden flooring



kitchen tiles

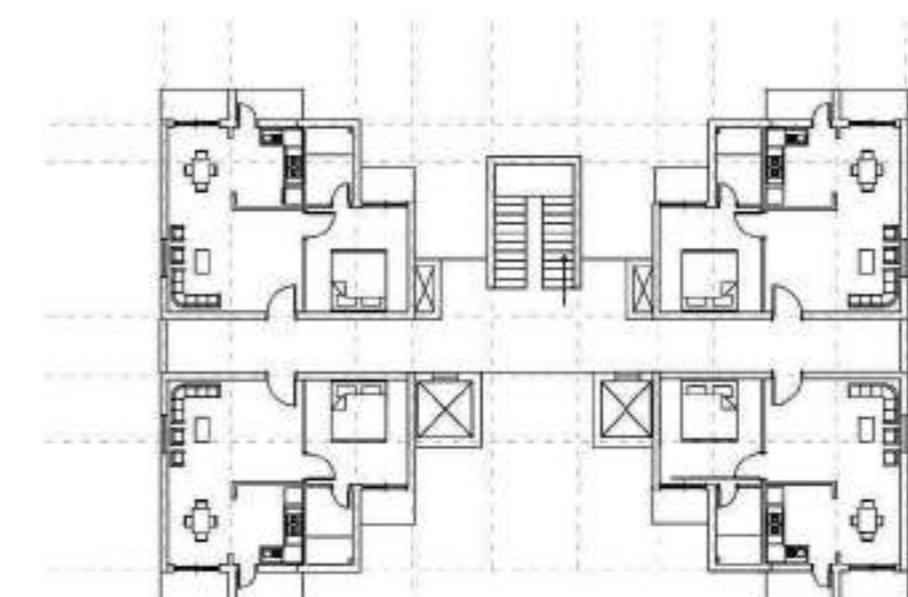
2- BHK cluster & unit plan



2- BHK cluster

2- BHK unit

studio cluster & unit plan

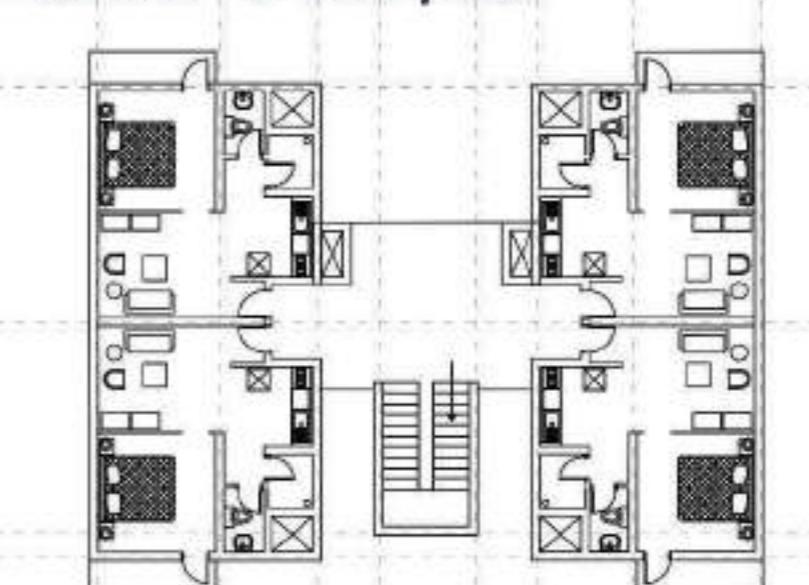


studio cluster



studio unit

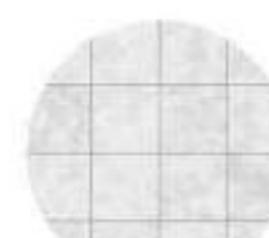
EWS cluster & unit plan



EWS cluster



EWS unit



non-slippery
washroom tiles



balcony
tiles



concrete
flooring



marble chips
flooring

05

sustainable bus stop shelter

Semester- 5

"A better living environment."

Group project

In this fast growing cityscape , need for sustainability is rising everyday.

To cater that requirement we designed a bus stop made up of bamboo.

Along with being eco-friendly ,bamboo has high compressive strength and is also lightweight. It's unique and natural finish and design makes it a good building material.



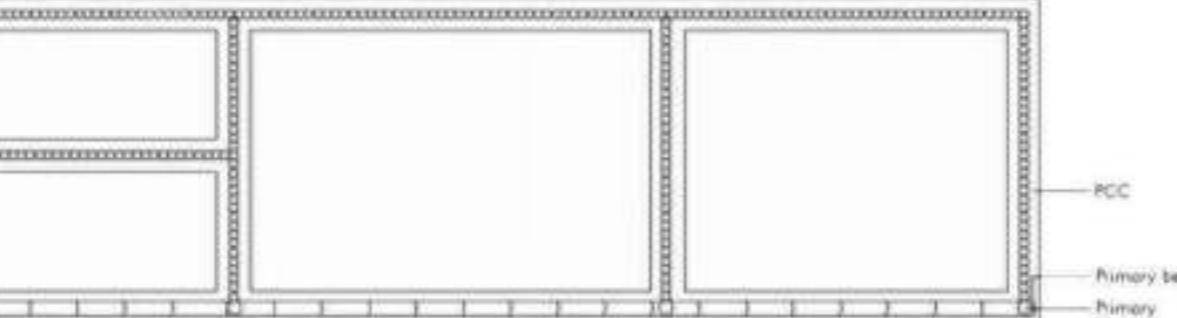
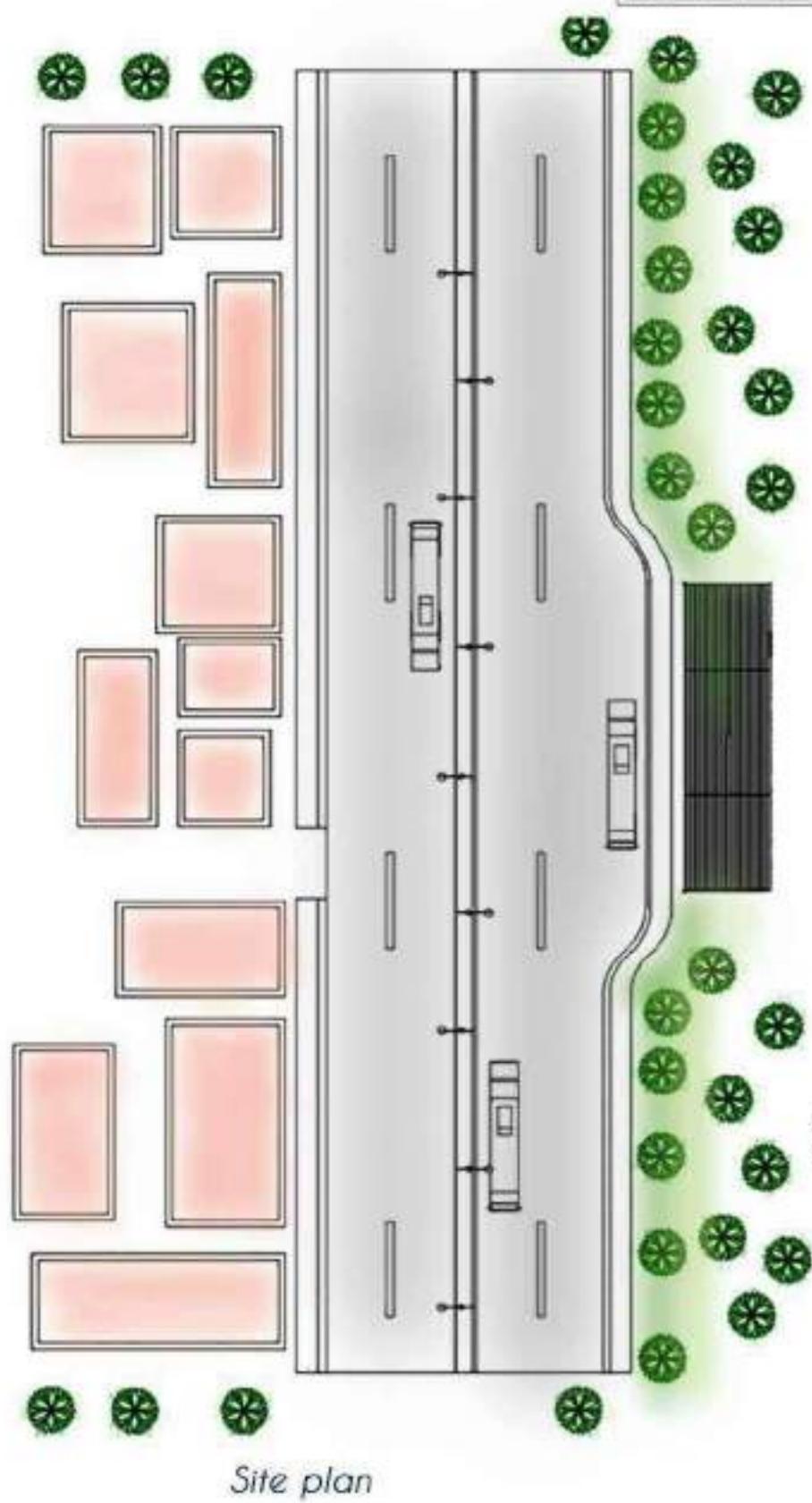
view of the proposed bus stop shelter



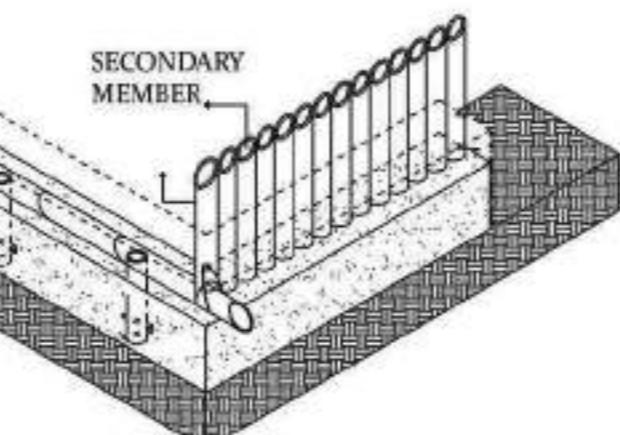
view of the proposed bus stop shelter

Movement

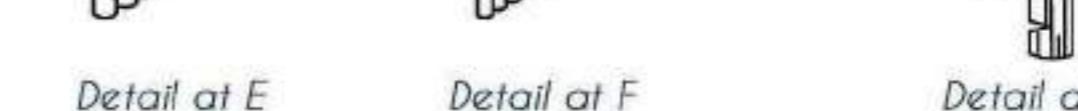
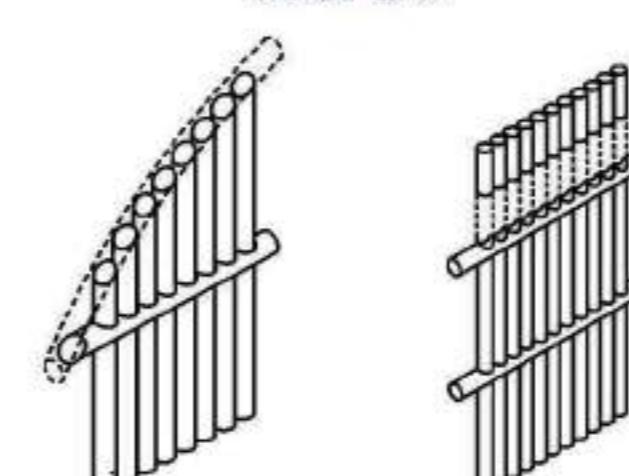
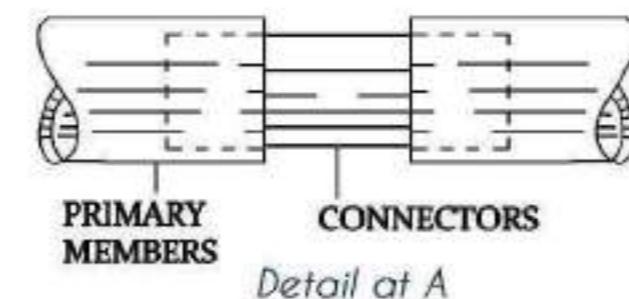
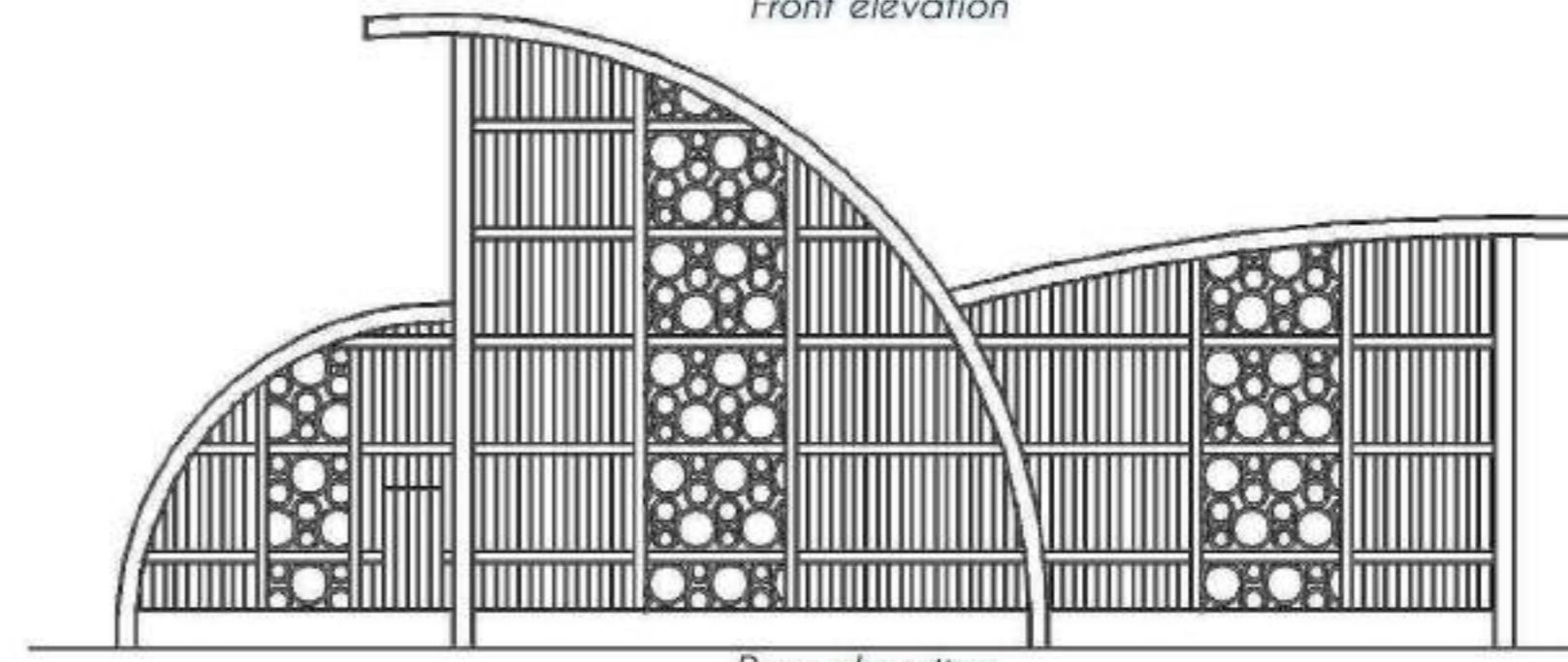
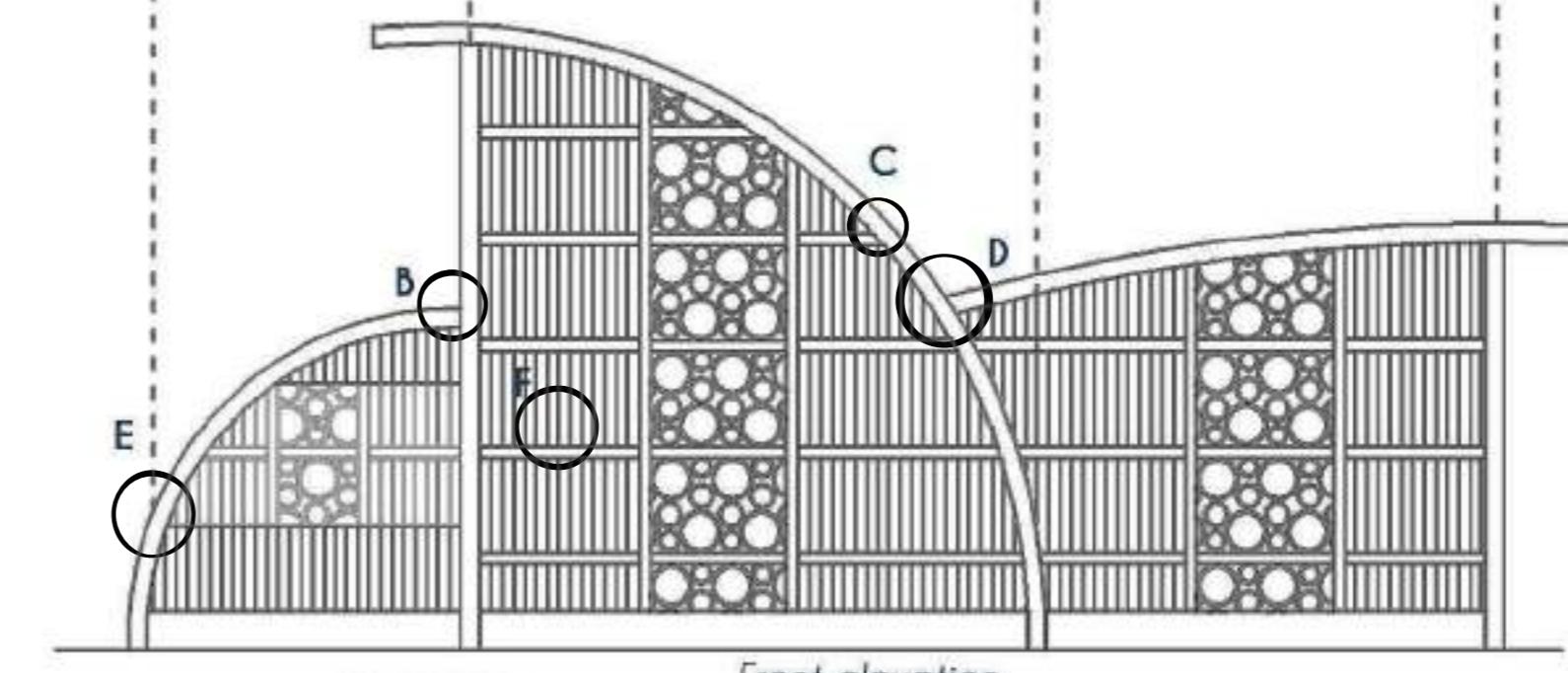
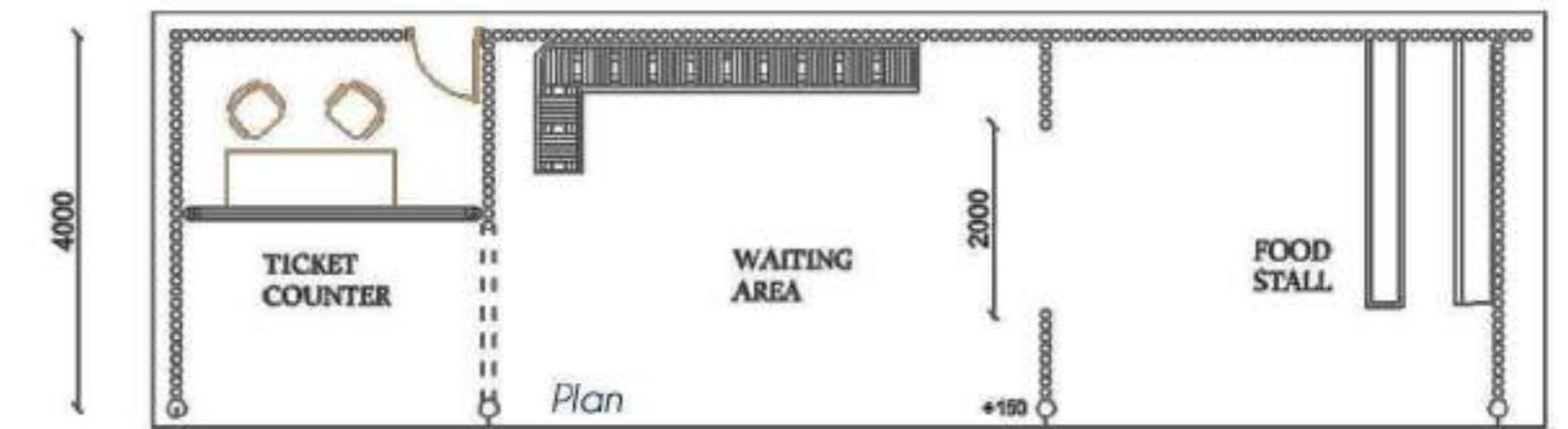
A bus stop is a designated place where buses stop for passengers to get on and off the bus.
Bus stop is a very dynamic place .
The basic idea is to keep in mind the movement of people and vehicle.



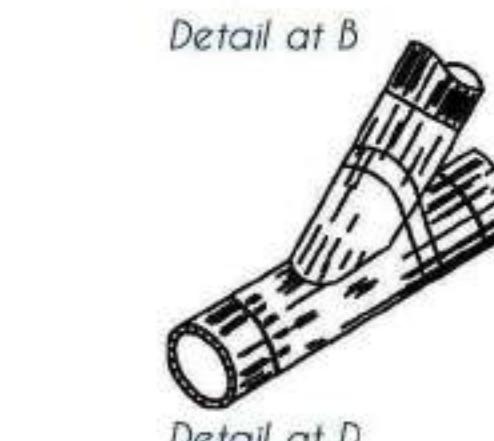
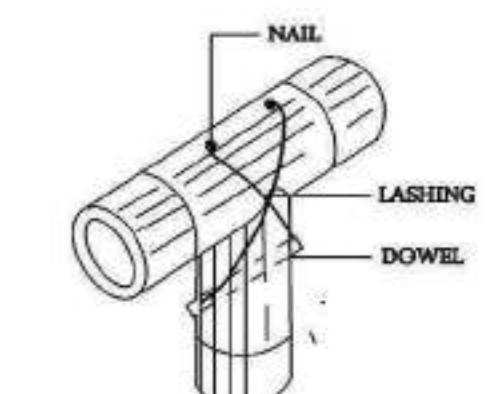
-The site chosen is completely hypothetical.
-The bus stop is constructed on one side of a two way road having a divider in between.
-The roads are well lit by street lights.
-On the side of the bus stop we have a green cover of trees while the other side houses residential as well commercial buildings.
-A bay , from the main road is designed for the buses to stop, pick-up and drop passengers.
-design is open and porous.



-A bus shelter is an essential part of any successful urban mass-transit system.
-Improving the current scenario and design of bus stops we have designed it to ease the process of buying tickets.
-The stop also offers ample shade, sittin space, and pleasant open air.
-Along with that we also offers a sitting shelter space for the people waiting for their buses to arrive.
-also provides convinent view for the people to look outside for the arrival of their buses.



-The following bamboo joints are used in the construction of the bus shelter :



06

Ganga kinare

Semester- 6

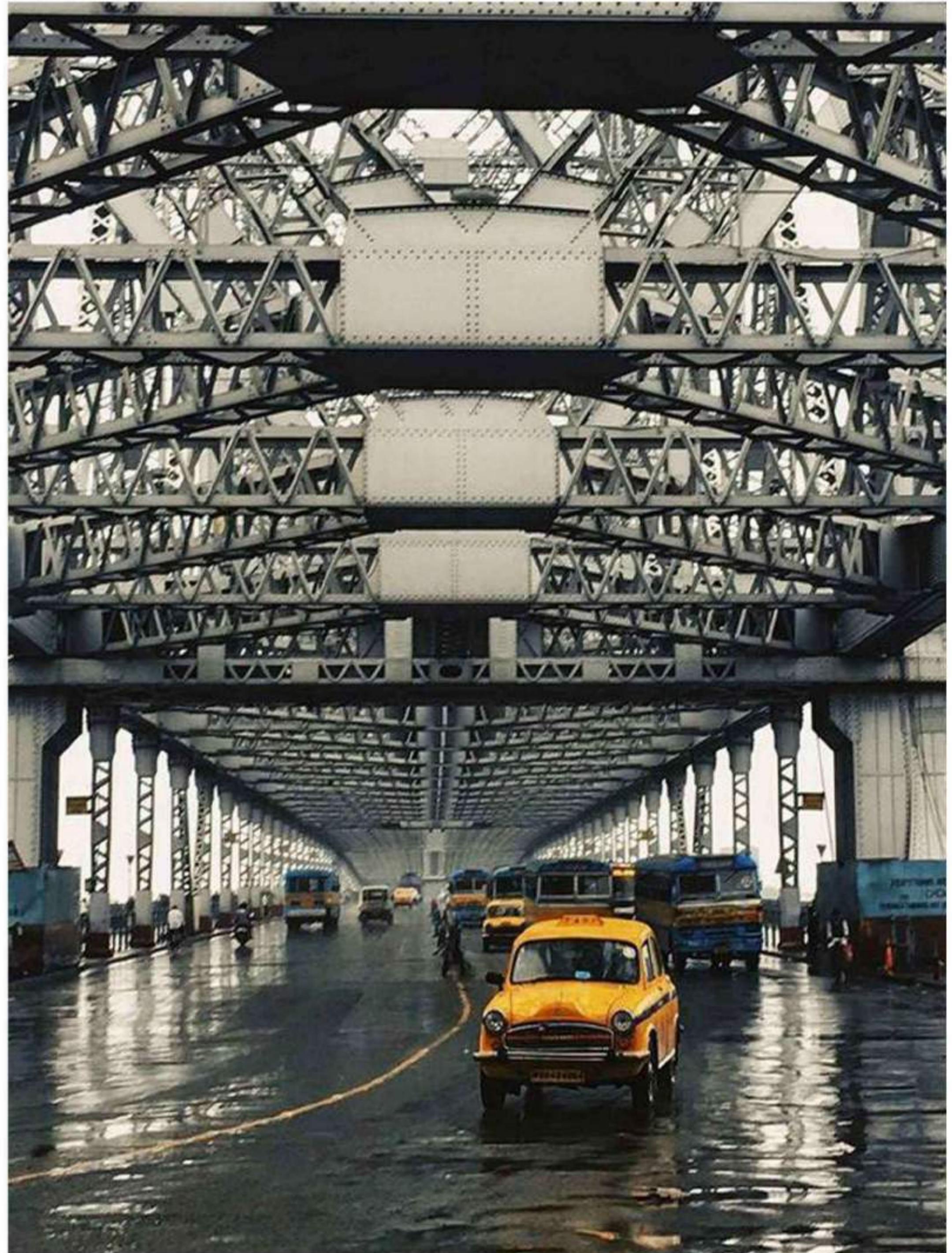
"Re-purposing the riverfront"

Group project

An initiative was taken up by Amtiy School Of Architecture And planning as an Urban design problem for our seniors to repurpose all the ganges river fronts in the country.

I actively took part in analytics of the river front in Kolkata.

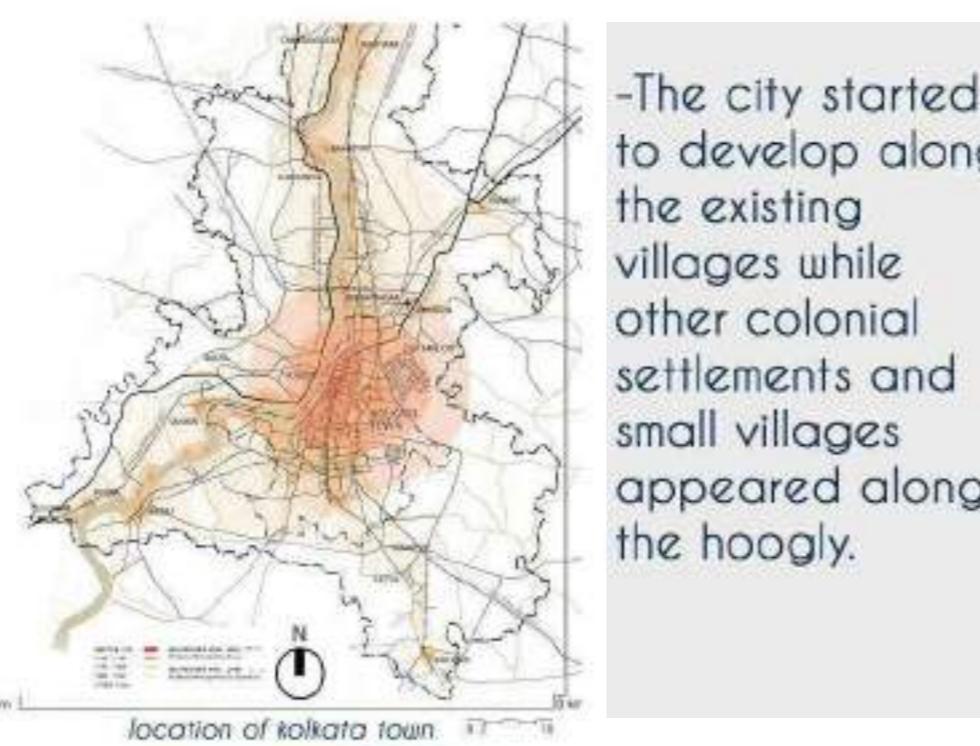
The work compiled by me and my teammates can be assessed as follows:



The identity of Kolkata - kaali peeli & Howrah bridge



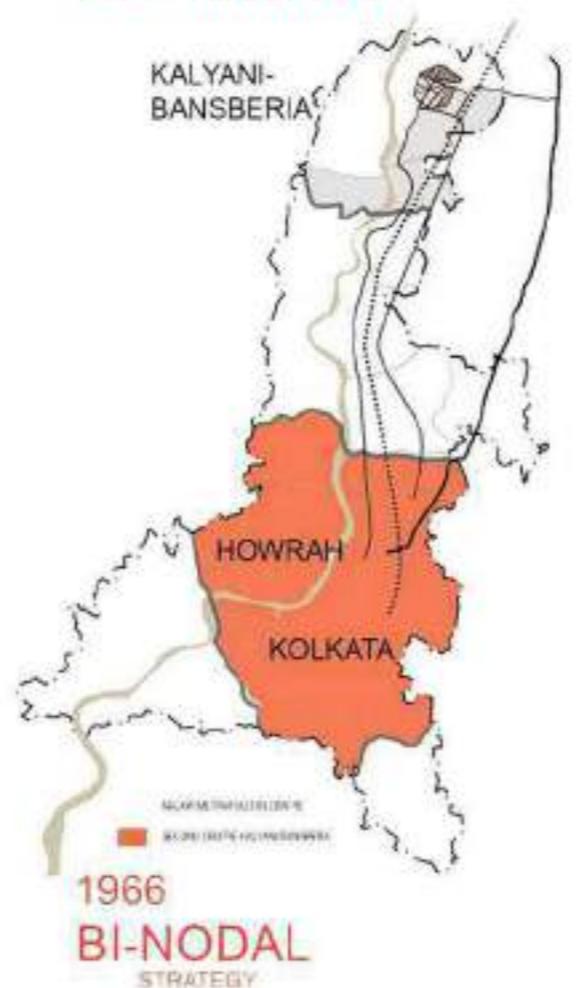
- Located on the east bank of Hoogly river, it is the principle commercial, cultural and educational hub of east India.
- While the port of Kolkata is India's oldest operating port and its sole major riverine port.
- In 2011, the city had a population of 4.5 million whilst the population of city with its suburbs was 14.1 million, making it the third most populous metropolitan city in the country.
- Recent estimates show that it is third most productive metropolitan in India after Delhi and Mumbai.



The city started to develop along the existing villages while other colonial settlements and small villages appeared along the hoogly.

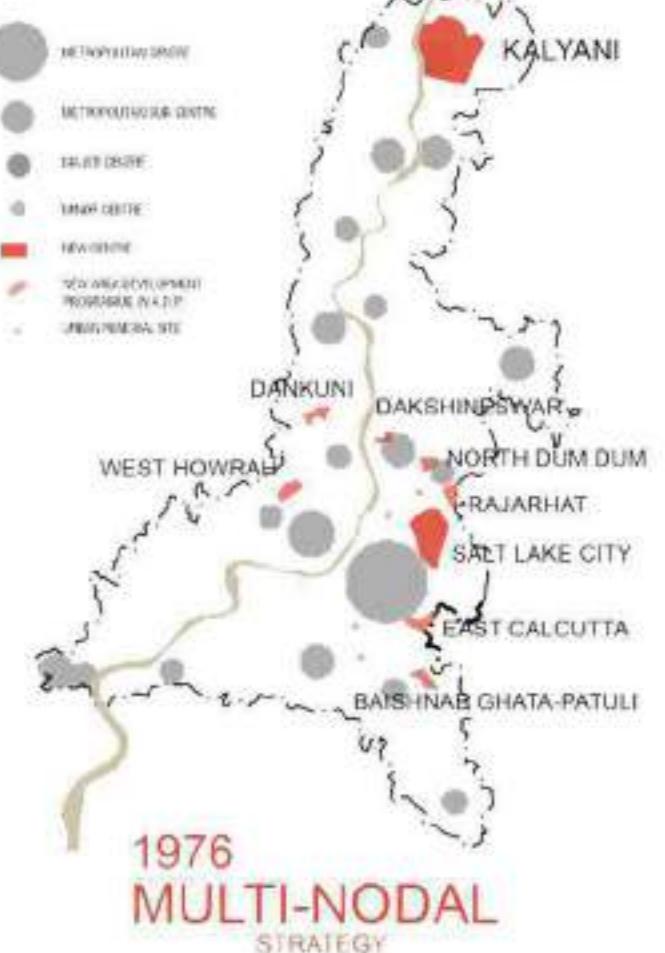


1960s EXPANSION

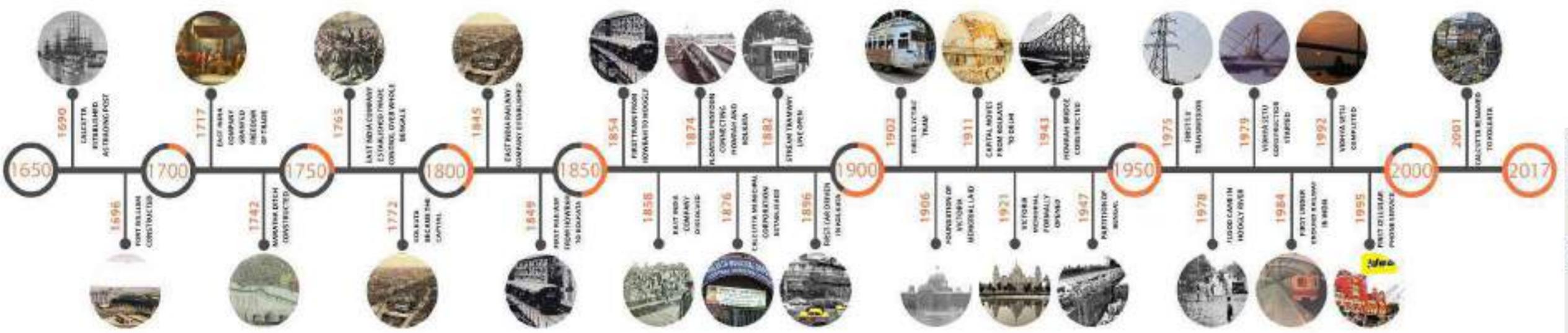


Decentralize into 4 centres :

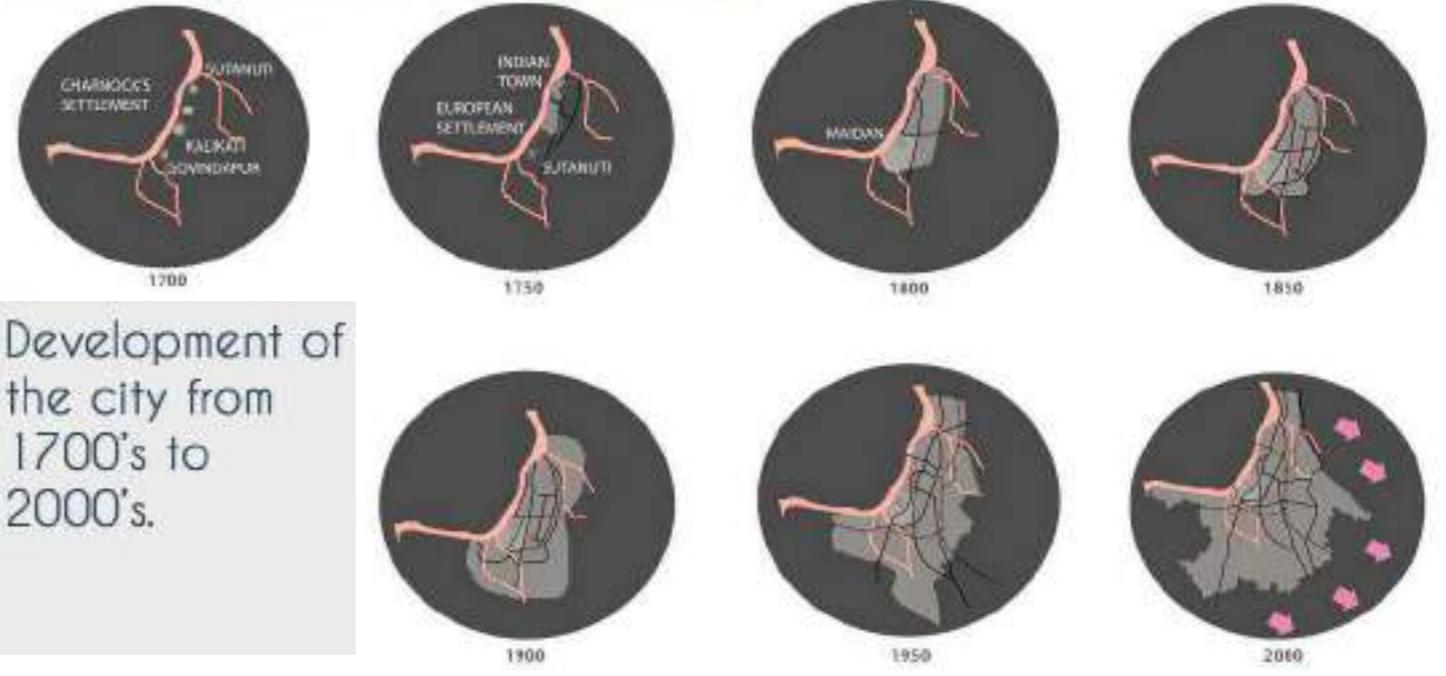
- Kolkata's planning is tied into the planning for region for hinterland.
- Arrest of Deterioration.
- Better use of existing capacity.
- Provision of mass of new growth.
- The river was an important transportation Chanel in the early history of Bengal, and later with the colonial trading ports.
- The rivers presence is one of the reasons chosen by the british to settle there in Calcutta.
- The hooghly river was is the perfect spot for setting up a commercial hub, easily available from the sea but far enough to avoid floods(130kms)



- The township was divided with the Blacktown on the north(Indian town)And Europe administrative And colonial Centre in the south.
- This fact is still visible in todays kolkata's morphology.
- The North-South liner growth of the city Along the river became more and more clear.
- In the 20th century satellite towns such as Salt Lake City (1960s) and Rajarhat (1990s) started To develop.
- The timeline of Kolkata's development is shown as follows :



Development of kolkata



Development of the city from 1700's to 2000's.

About Kolkata :

-The city of Kolkata Has many different faces.

-On one hand it is known as the cultural capital of India with many Nobel peace winners, the birthplace and home of famous people Such as the poet Rabindranath Tagore and the filmmaker Satyajit Ray.

-The city is also known for its complete opposite, as the city of misery with all the slums, Hungry people and frenetic streets.

-Once Kolkata was the former capital of british India, Kolkata retains a feast of dramatic colonial architecture.

-When Mother Teresa came to Kolkata it became the city of charity and so the charity tourism With its many volunteer workers was activated.

Mode of transport :



March

In Bengal holi celebrated as' dol purnima' or 'dol Yatra' In a grand way by placing the idols of Krishna and Radha on a bedecked palanquin



April-

Calcutta nabobarsho Festival is celebrated to mark the beginning of the Bengali New Year and the arrival of summer time. It takes place during the mid of April



September-

it is celebrated to worship mother Durga, the goddess of power(shakti). It celebrates the victory of Matunga over the Demon Mahishasur. It usually takes place during the autumn period from September to October



October -

Calcutta Saraswati Puja festival is celebrated with Great pomp and show.



November -

Kali Puja takes place after two weeks of the celebration of Lakshmi Puja. Kali Puja is performed in the honor of Kaali, The goddess of destruction.

Authentic modes of transport such as tram , hand pulled rickshaw , kaali peeli taxi along with latest technology transport such as metro , cabs are still in use in the city of kolkata to keep the cultural authenticity intact.



1690

Old fort

and factories. plans were drawn to build a new fort in the middle of th english town. the river was the life line.



1700

Unplanned growth

Enormous and totally unplanned growth of the city at that time. there was a huge building boom. Kolkata was now known as the 'City of palaces' .



1750

Strand road

warehousing> industrial growth on the river edges. today, strand road separates the city from the river.



1850

Circular railway

1896, first motor car appeared on the streets. circular railway which runs parallel to the river is blocking th river from the city.trade and commerce were not dependent on river traffic



1900

Warehouses are moving

warehouses were being shifted and industrial services are moving downwards on the river.



1950



2000

New river front projects

new projects like millennium park and the floatel in development.The younger generation wants river back as a part of city's culture.

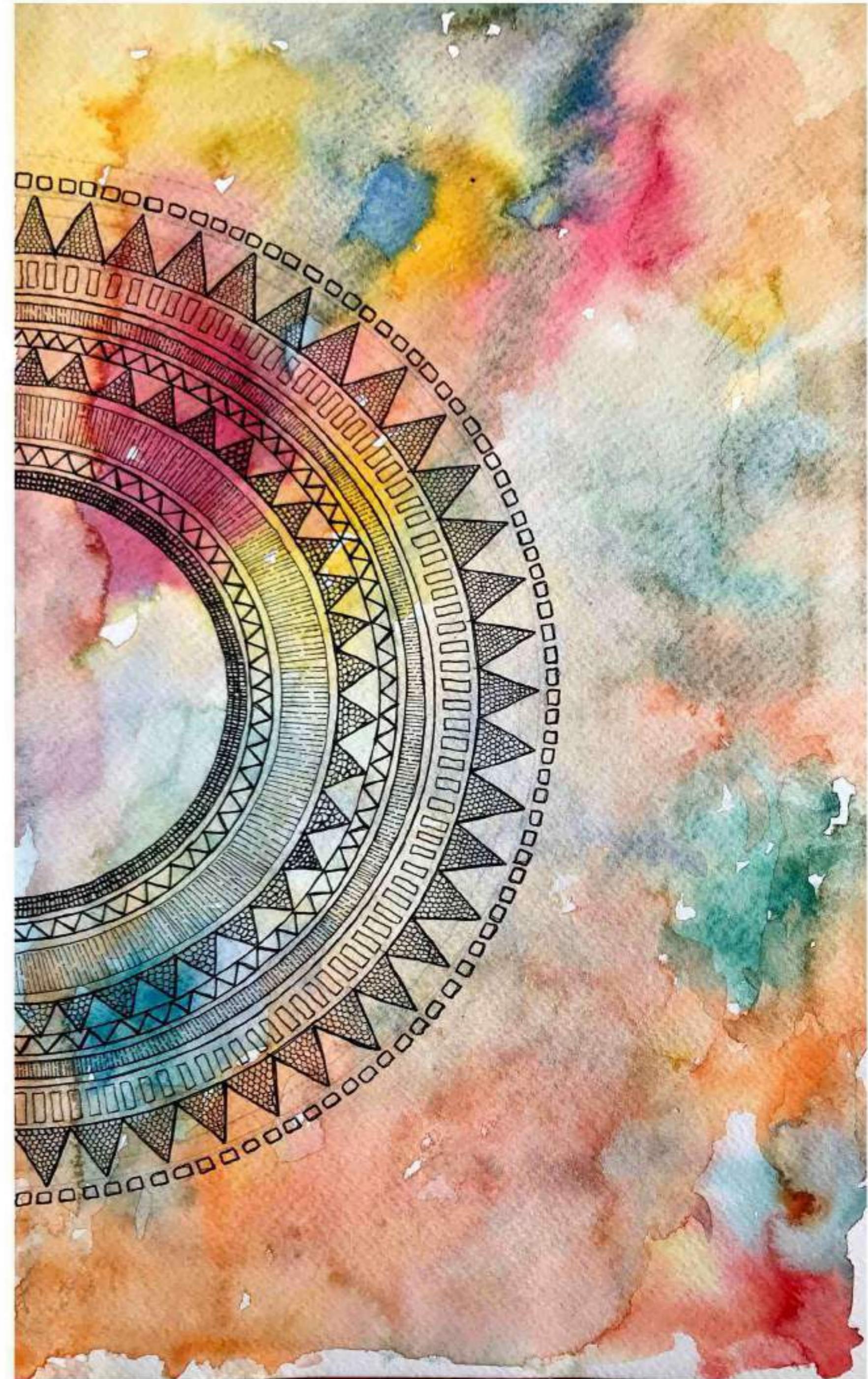
07

Extra Curricular

All semesters

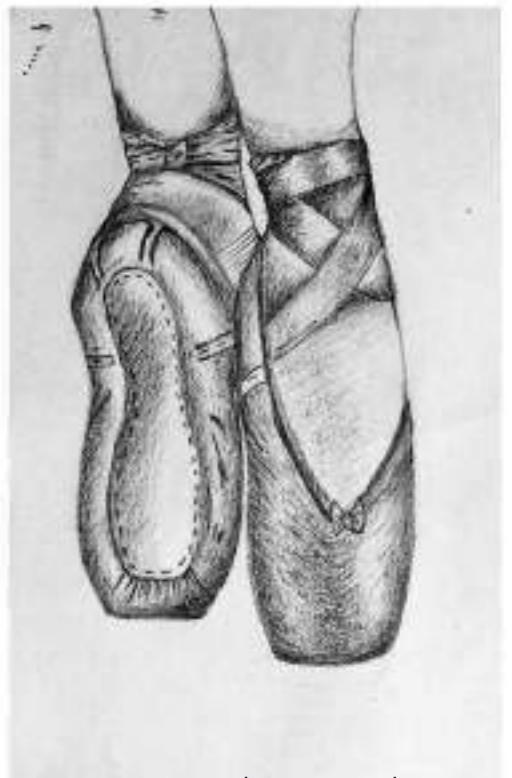
This is a compilation of all the work i have done so far except for technical architecture drawings.

My interest lies in making models , sketching and mandala making.



Watercolor and ink mix media

SKETCHES / MANDALA ART



pencil sketch



pencil sketch



ink sketch



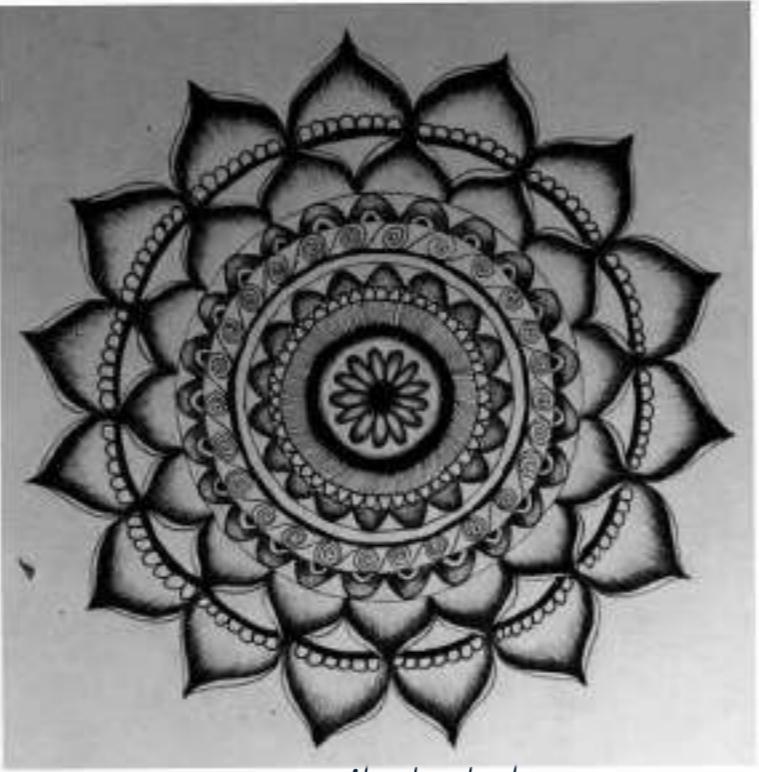
watercolor guitar



acrylic painting



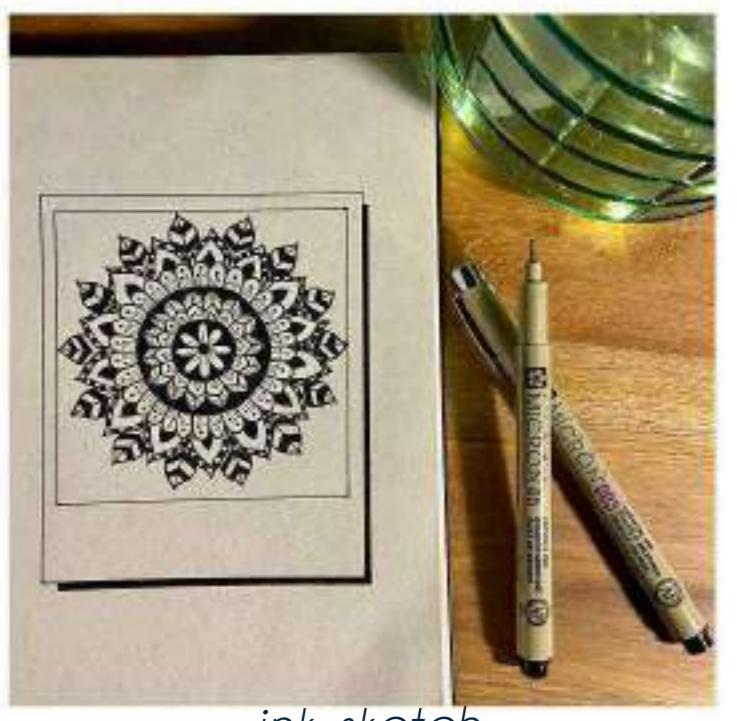
ink sketch



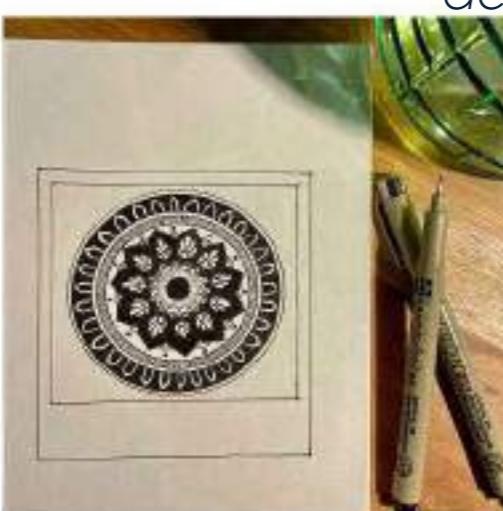
pencil sketch



acrylic painting



ink sketch



ink sketch



ink sketch



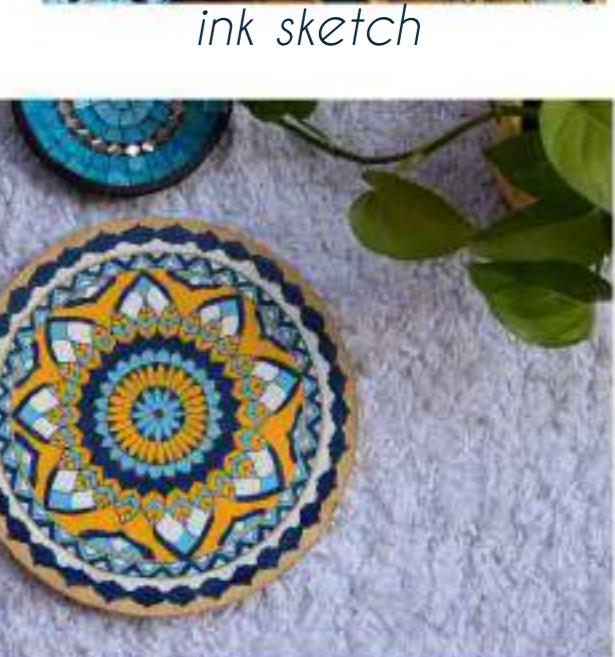
ink sketch



ink sketch



ink sketch

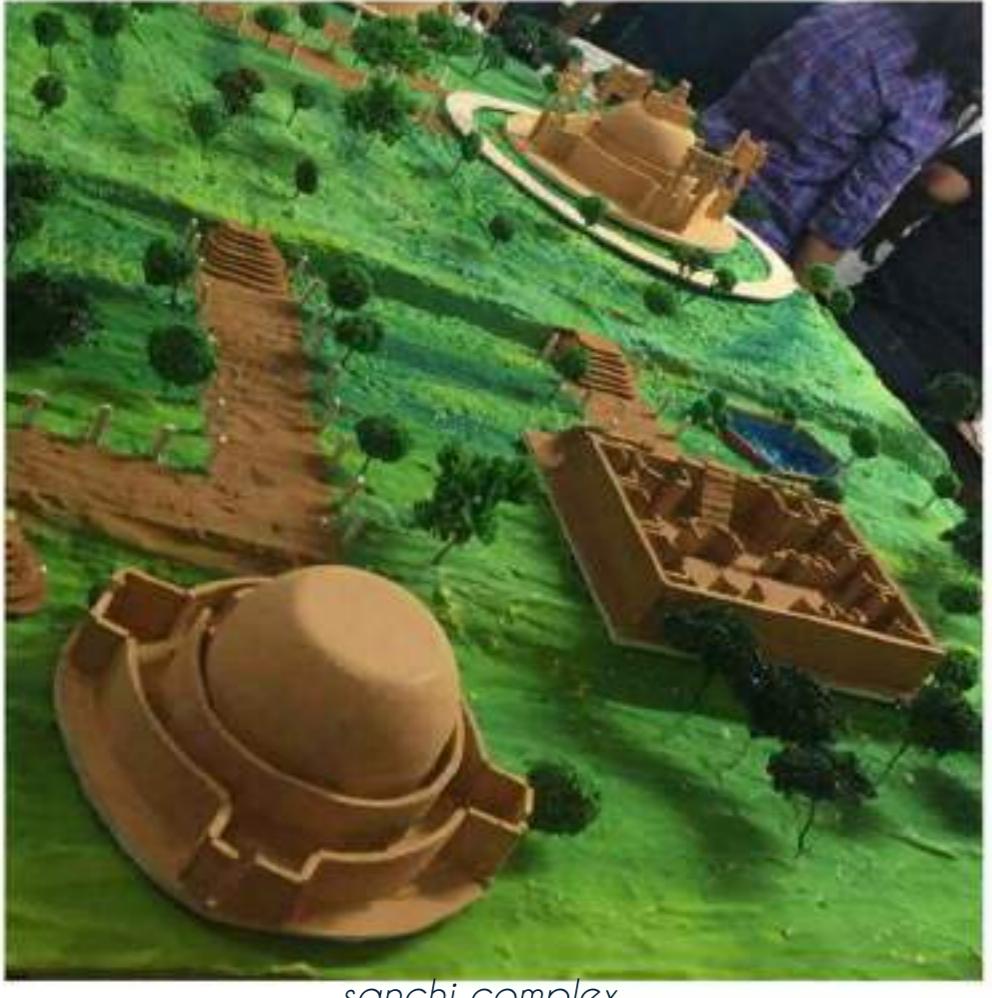


acrylic painting



acrylic painting

SKETCHES / MANDALA ART



sanchi complex



sanchi complex

this model was made on the sanchi complex in sanchi, madhya pradesh. The whole complex was visible in the model.



sanchi complex

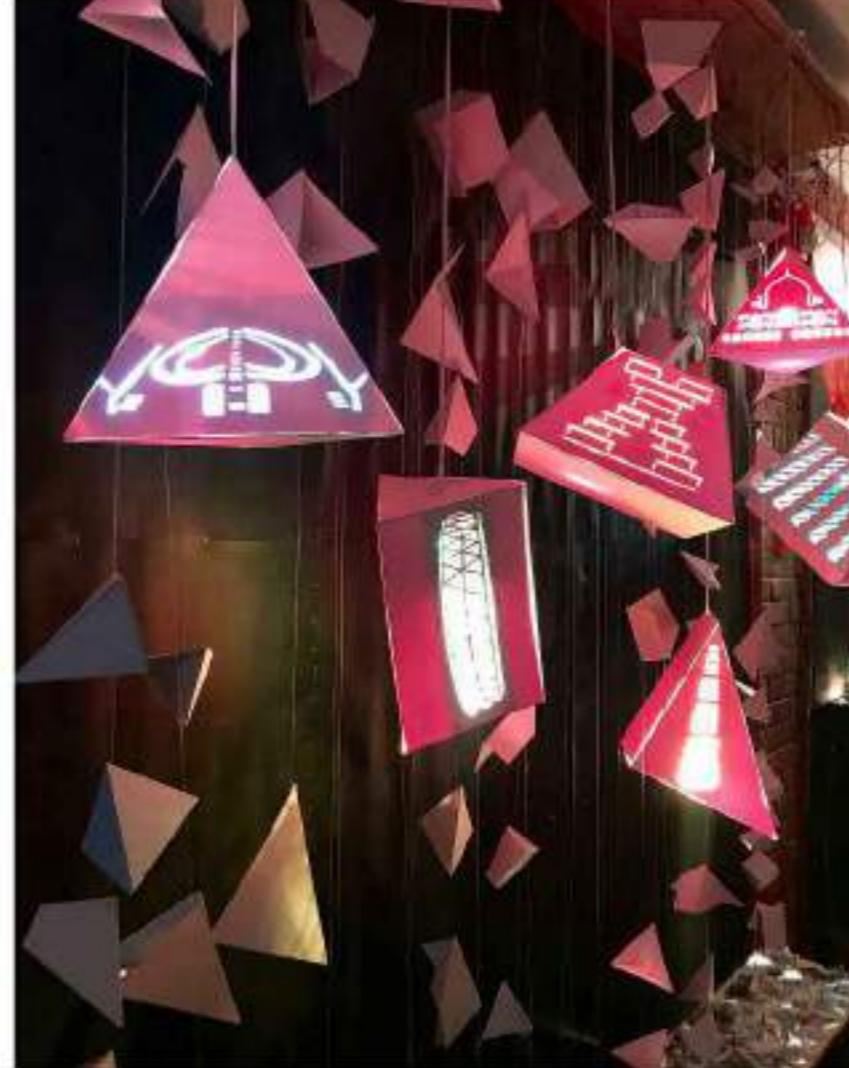


furniture design



furniture design

This furniture model was made the best out of waste. rejected tyres, fibre rope , old newspaper as stuffed and abandoned seat was sewed properly



light boxes



light boxes

This board was designed to portray the shades and shadow . Our idea behind this was creating light boxes with different archietctural identities to create shades and shadows.



bamboo model



space frame



jaali design

The above is the bamboo sustainable bus shelter designed by us. The ticket counter and waiting areas are clearly visible in the model.

The right model is of a space frame. it is made out of sunboard material and is clearly for depiction purpose and understanding purposes.

The jaali was a handwork cutting on sunboard material.

SHAMBHAVI PANDEY

shambhavipandey30@gmail.com

+91-9643338916