

THESIS REPORT ON  
5 STAR HOTEL SECTOR-J, BASANT KUNJ, HARDOI ROAD LUCKNOW

A THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE  
REQUIREMENT FOR THE DEGREE OF:



**BACHELOR OF ARCHITECTURE**  
BY

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**(1190101019)**

THESIS GUIDE  
**(AR. SHAILESH SIR)**

SESSION  
**2023-24**

**TO THE**  
**SCHOOL OF ARCHITECTURE AND**  
**PLANNING BABU BANARASI DAS**  
**UNIVERSITY LUCKNOW.**

**SCHOOL OF ARCHITECTURE AND PLANNING**  
**BABU BANARASI DAS UNIVERSITY, LUCKNOW**  
**(U.P.).**

**CERTIFICATE**

I hereby recommend that the thesis entitled “5 STAR HOTEL “ under the supervision, is the bonafide work of the students and can be accepted as partial fulfillment of the requirement for the degree of Bachelor’s degree in architecture, school of Architecture and Planning, BBDU, Lucknow.

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tion

Accepted  
Not Accepted

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THESIS GUIDE

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Thank You!

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# INTRODUCTION

A hotel is a commercial establishment that provides lodging, accommodation, and often other services such as meals, entertainment, and recreational facilities to travelers and tourists on a temporary basis. Hotels typically offer various types of rooms or suites equipped with amenities such as beds, bathrooms, and basic furnishings, catering to the diverse needs and preferences of guests. Beyond accommodation, hotels may feature additional facilities like restaurants, bars, swimming pools, fitness centers, conference rooms, and concierge services to enhance the overall guest experience. With a focus on hospitality and guest satisfaction, hotels strive to create a comfortable and welcoming environment, aiming to meet the expectations and preferences of their clientele while ensuring a memorable and enjoyable stay.

## WHY THIS PROJECT?

This project on hotels aims to explore and analyze various aspects of the hospitality industry, including trends, challenges, and opportunities. By focusing on hotels, the project seeks to understand the dynamics of accommodation services, customer preferences, market demands, and innovative strategies adopted by hoteliers to enhance guest experiences and stay competitive in the global tourism market. Additionally, studying hotels offers insights into urban development, architectural design, sustainability practices, and economic impacts on local communities. Through comprehensive research and analysis, this project aims to provide valuable insights for industry stakeholders, policymakers, and academic researchers, contributing to the ongoing discourse and advancement of the hospitality sector.

## WHAT IS THE NEED?

Hotels fulfill a fundamental need for travelers and tourists by providing a comfortable, safe, and convenient temporary accommodation option away from home. Whether for business or leisure purposes, people require a place to stay that offers amenities, services, and a welcoming environment conducive to rest, relaxation, and productivity. Hotels play a crucial role in facilitating travel and tourism by offering a range of accommodation options catering to different budgets, preferences, and requirements. They serve as essential hubs for both domestic and international visitors, providing not just lodging but also dining, entertainment, and recreational facilities. Moreover, hotels contribute to the economy by generating employment opportunities, supporting local businesses, and driving tourism-related revenue for destinations. In essence, hotels address the essential need for shelter and hospitality while enhancing the overall travel experience for individuals and families worldwide.

## SCOPE

The scope of hotels is multifaceted, encompassing a broad range of opportunities within the hospitality industry. With the continuous growth of global travel and tourism, hotels serve as vital hubs for accommodation, dining, entertainment, and relaxation, catering to diverse needs and preferences of travelers. The scope extends beyond traditional lodging to include luxury resorts, boutique hotels, budget accommodations, and niche offerings like eco-friendly or experiential stays. Moreover, hotels play a pivotal role in supporting local economies by generating employment, stimulating business activities, and contributing to destination development.

Advancements in technology and changing consumer trends further expand the scope, with innovations such as online booking platforms, personalized services, and sustainable practices shaping the future of the industry. In essence, the scope of hotels is dynamic and evolving, offering vast opportunities for growth, innovation, and service excellence in the global hospitality landscape.

## LIMITATIONS

The limitations of hotels encompass various factors that may impact their operations and effectiveness in meeting the needs of guests. One significant limitation is the potential for overcrowding, particularly during peak travel seasons, which can lead to challenges in maintaining service quality, managing facilities, and ensuring guest satisfaction. Additionally, hotels may face constraints related to space availability, especially in urban areas where land is limited and costly, potentially limiting expansion and development opportunities. Operational constraints such as high overhead costs, fluctuating demand, and regulatory compliance requirements also pose challenges for hoteliers. Moreover, hotels may encounter issues related to seasonality, economic downturns, or unforeseen events such as natural disasters or pandemics, which can adversely affect occupancy rates and revenue streams. Overall, while hotels strive to provide exceptional hospitality experiences, they must navigate these limitations to maintain competitiveness and resilience in a dynamic and ever-changing industry landscape.

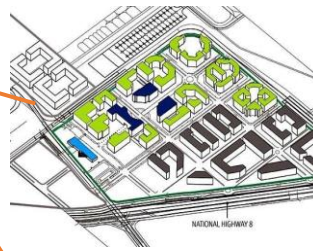
## M E T H O D O L O G Y

- Site study
- Literature study & Case study
- Analysis and inferences
- Formulation of concept & design concept
- Activities and interpretation of space requirements
- Concept and initialization of design
- Design development
- Final design

# CASE STUDY

# Introduction

## CASE STUDY-1 HOTEL J.W. MARRIOTT, AEROCITY NEW DELHI.



AREA PLAN



### ACCESSIBILITY

- METRO STATION- 750 mt. Aerocity
- DELHI STATION- 16.4 kms
- AIRPORT IGI- 3.4 kms
- ISBT BUS STAND- 3.4 kms
- MAIN ACCESS IS FROM TWO MAJOR ROADS.-21.1 kms
- Northern access road.
- Aerocity access road.



VIEW J.W. MARRIOTT HOTEL  
MIDDLE LANDSCAPE VIEW

### BUILDING FORM

- CENTRALISED LANDSCAPE AREA
- OUTDOOR SWIMMING POOL AT N-W SIDE TO PROVIDE FASCINATING VIEW
- DESIGNED SUCH THAT FORM FOLLOWS FUNCTION

### FLOOR ANALYSIS

- NO . OF STORYES -7
- FLOOR DISCRIPTION-3B+G.F.+6
- UPPER FLOOR GUEST ROOM AND FOH SPACE
- B2 &B3 ARE APARKING AND ALSO ENENRNING SERVICE
- B1 AND G.F. ARE WORKING SERVICES.

## ABOUT PROJECT

- **LOCATION-** Aerocity , New Delhi
- **OWNER-** ARIA Hotels Marriott
- **OPERATOR-** International Archi-type
- **CLIENT-** group
- **DESIGNER ARCHITECT-** Small Woods, Singapore CP
- **PROJECT ARCHITECT -** Kukreja Associates
- **LANDSCAPE ARCHITECT -** P Landscape Ltd.
- **BUILD YEAR-** 2012

### BUILDING AMENITIES

- Club Rooms Include Access To A Lounge With Free Drinks
- Separate Living Areas
- Lounge Bar With Live Entertainment
- Library On 1st Floor
- Pristine Marble Bathroom
- Separate Living Areas
- 482 Rooms,29 Suits,9 Meting Rooms.
- 5 Floor Office Space 17000 Sq. ft. Each Floor
- Queen Spa , outdoor Swimming Pool , fitness Center ,24 Hours Front Desk.
- Restaurants ,All Day Dinner,k3 & Marden Japanese At Akira Back A Specialty Restaurant.
- Lounge ,Bar &Trump Are Being Coming In The Hotel Itself.

### AREA CHART

- **SITE AREA-** 5.9 ACR
- **BUILTUP AREA-** 9290 SQ. MT
- **GROUND COVERAGE-**9,180.3 SQ MT.
- **F.A.R.-**5291.4 SQ. MT. (2.2)
- **HOTEL HEIGHT-**27.5 M.(B3+G.F.+6)
- **PARKING -** 714 ECS

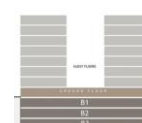
6 Storey above ground floor and 3 basement

### BUILDING MATERIALS

- Colossal Glass Doors
- Glass Façade
- All Marble Flooring
- Sleek, contemporary , Fully Furnished Rooms. Serve As Sitting Open.
- Yellow Orchid & Grey Marble Pillars.
- Antique Stone Pillars
- Concrete Pathways



AEROCITY ROADE SIDE VIEW



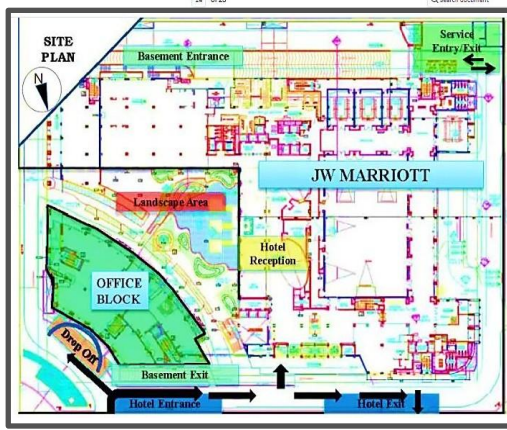
SWIMMING\ POOL TOP VIEW

### BUILDING DETAILS

- Energy Efficient & Lead Certified
- Double Glazed Window, luxurious Lobby & Common Areas.
- Wide Column Spans
- 5 Floor. Premium Office Space- 17000 Sq. ft.
- Centrally A.C. With 100% Power Backup.
- Sufficient Car Parking Space.





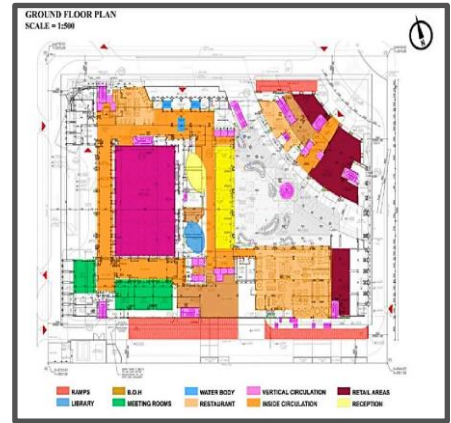


**SITE PLAN**

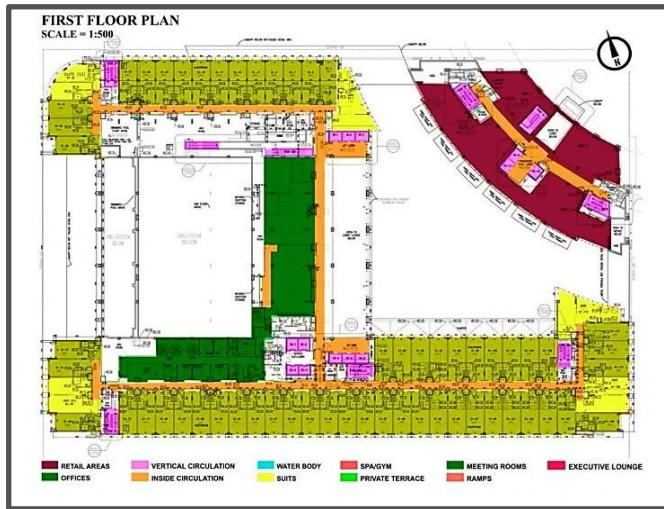
## CASE STUDY-1



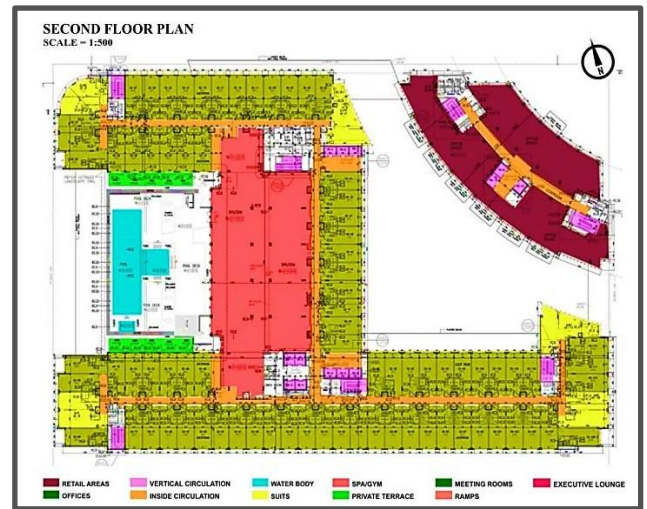
**HOTEL JW. MARRIOTT  
AREOCITY NEW DELHI.**



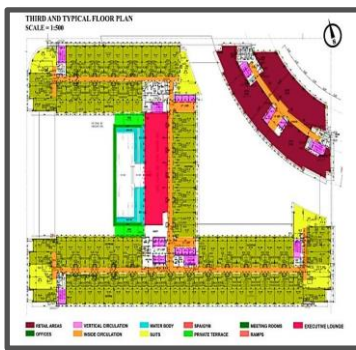
**GROUND FLOOR PLAN**



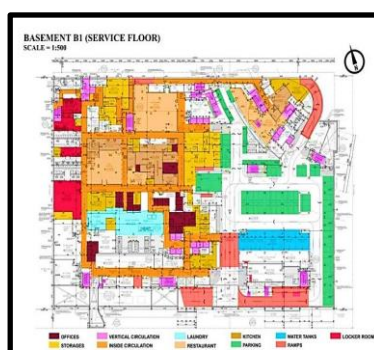
**FIRST FLOOR PLAN**



**SECOND FLOOR PLAN**



**THIRD & TYPICAL  
FLOOR PLAN**



**BASEMENT-1**



**BASEMENT-2**



**BASEMENT-3**





## GUEST ROOM

- 523 Rooms
- 30 Suites Including 1 Presidential Suite.
- Marriott's Revive Bedding Wireless And Wired Internet Access
- 2 Line Phone Data-port
- Voice Mail International News / Entertainment And Sports Channels
- 24 Hour In-room Dining Tea And Coffee Making Facilities Personal Bar And Laptop Compliant Safe



## GUEST ROOM TOILETS



## BANQUETS CONCEPT

- PILLAR LESS BALLROOM
- BEAUTIFUL CHANDELIERS
- INBUILT PROJECTORS
- 15000 LUMINOUS SCREEN
- LOCATION : LOBBY LEVEL



## SWIMMING POOL

Outdoor Pool Health

## SPA & SALON

Quan Spa Plus  
8 Function Rooms

## CLUB

•Located At 3rd Floor **FITNESS CENTER EXECUTIVE LOUNGE**



## LOBBY FEATURE

- Glass Installation Stretches Across The Lobby, Designed With 35,330 Custom Made Glass Tubes
- Cool Ceoiling Art.
- Rectangular Sunk In Pannel With Various Etched &Circular Shaped Metal Object.
- Lit By Ceiling Light Made From Glass Pipettes Enclosed By Dark Metal Rect.

## CONVENTION CENTRE HIGHLIGHTS

- 8 Meeting Rooms
- 2,302 Sq Mt Of Total Meeting Space
- Pillar-less Ballroom And Meeting Rooms With Built In State-of-the-art Technology
- Grand Crystal Ballroom Spread Across 1,210 Sq Mt
- Pre-function Area - 450 Sq Mt
- Professional Event Planning Team
- Upgraded Audio-visual Technology



## RESTAURANTS/DINING

### 1.K3 Concept:-

- Food Theatre With Three Live Kitchens.
- Private Dining Areas For Each Section. Location:-lobby Level. On The Left-hand Side From The Reception, Main Entrance. Number Of Seats : 298

### 2.Delhi Baking Company (Dbc) Concept:-

- Perfect Destination To Meet Casually For Business Or Leisure.
- Coffee & Culinary Lifestyle Products As Well As A Simple Eat In Menu.
- Location:-lobby Level. On The Left-hand Side From The Reception, Main Entrance. Number Of Seats : 298 3.

### 3.Akira Back Concept:-

- Conceptualized Like A Food Theatre With Three Live Kitchens Showcasing Three Distinct Cuisines: North Indian, Cantonese And Tuscan Location:-commercial Tower Ground Level And Basement. Number Of Seats : 144 4.

### 4.Jb Lounge Concept:-

- Designed Like An Exclusive Living Room With An Exciting Array Of Food
- Location:-lobby Level, In Front Of The Front Desk Number Of Seats : 109

### 5.Oval Bar Concept:-

- Oval-shaped Bar Location:-lobby Level, Next To Front Desk. Number Of Seats : 24

Room	Area (Sq Ft)	Capacity	Notes
Grand Central Ballroom	180 x 36 x 20	15,000	
Central Ballroom 1	80 x 40 x 20	2,000	
Central Ballroom 2	80 x 40 x 20	2,000	
Central Ballroom 3	80 x 40 x 20	2,000	
Central Ballroom 4	80 x 40 x 20	2,000	
Central Ballroom 5	80 x 40 x 20	2,000	
Central Ballroom 6	80 x 40 x 20	2,000	
Central Ballroom 7	80 x 40 x 20	2,000	
Central Ballroom 8	80 x 40 x 20	2,000	
Central Ballroom 9	80 x 40 x 20	2,000	
Central Ballroom 10	80 x 40 x 20	2,000	
Central Ballroom 11	80 x 40 x 20	2,000	
Central Ballroom 12	80 x 40 x 20	2,000	
Central Ballroom 13	80 x 40 x 20	2,000	
Central Ballroom 14	80 x 40 x 20	2,000	
Central Ballroom 15	80 x 40 x 20	2,000	
Central Ballroom 16	80 x 40 x 20	2,000	
Central Ballroom 17	80 x 40 x 20	2,000	
Central Ballroom 18	80 x 40 x 20	2,000	
Central Ballroom 19	80 x 40 x 20	2,000	
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Central Ballroom 58	80 x 40 x 20	2,000	
Central Ballroom 59	80 x 40 x 20	2,000	
Central Ballroom 60	80 x 40 x 20	2,000	
Central Ballroom 61	80 x 40 x 20	2,000	
Central Ballroom 62	80 x 40 x 20	2,000	
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Central Ballroom 90	80 x 40 x 20	2,000	
Central Ballroom 91	80 x 40 x 20	2,000	
Central Ballroom 92	80 x 40 x 20	2,000	
Central Ballroom 93	80 x 40 x 20	2,000	
Central Ballroom 94	80 x 40 x 20	2,000	
Central Ballroom 95	80 x 40 x 20	2,000	
Central Ballroom 96	80 x 40 x 20	2,000	
Central Ballroom 97	80 x 40 x 20	2,000	
Central Ballroom 98	80 x 40 x 20	2,000	
Central Ballroom 99	80 x 40 x 20	2,000	
Central Ballroom 100	80 x 40 x 20	2,000	

## ENGINEERING DEPARTMENT

- Chiller Room •Fire Control Room •Ahu Room •Boiler & Dg Room
- Stp- Sewage Treatment Plant
- Etp, E-waste System •Engineer Room
- Pump Room •R.O. Water Systems •Tv Channel List •Lighting Standards •Areas In Engineering •Mrt & Auxiliary Mrt Process
- Bms Control Room

## SERVICES

### UPS ROOM[basement-3]

- Meant For Refrigerators , computers
- 50k Vax4 Units.
- Size-850x900x1800
- Finish- kota Stone Flooring[hard Working]

### LT PANEL[basement-3]

- Purpose Distribution Of Stepped Down Power
- Size-It Panel Size[1600x450x2000]
- Finish-kota Stone Flooring[hard Working]

### DG ROOM[basement-3]

- 4 Dg Plants Of 1500kva Each At 80% Efficiency
- Size 5500x2600x1700
- Finish-IPS[Indian Patent Stone Flooring]

### TRANSFORMER ROOM[basement-3]

- 4 Transformers 50kva
- Size 900x750x1700
- 1 Reading Panel
- Size-1800x750x2200

### CHILLER PLANT ROOM[basement-3]

- 4 Chiller At 600tr
- Size 4500x2000x2700

### STP[basement-3]

- Purpose-treats Water From Kitchen And Other Spaces To Be Repurposed For Garden Water, cooling Tower And Toilet Flushing
- Finish- kota Stone Flooring

### PUMP ROOM[basement-3]

- Purpose-contains Pumps For Fire Pipes And Water Distribution
- Finish- Kota Stone Flooring
- Fire Pipes-ms, welded, painted Red

### INFERENCES

- Good Planning Aspect And Reduced Vehicular Traffic And Clash.
- All BOH And Service Areas Well Served And Easily Approachable.
- Structurally Sound And As Per Norms Earthquake Resistant.
- Service Well Distributed And Integrated With The Inner Space.
- Designed Keeping In Mind The Maximum Comfort Level For The Incoming Visitors.

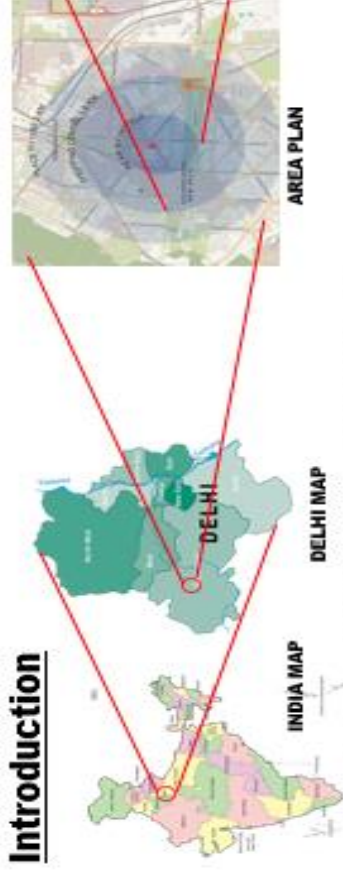
### LAUNDRY[basement-1]

- Purpose-handled Guest Staff And Hotel Laundry
- Finish- Vittrified Non-Grazed, anti-skid Tile
- A Table With Capacity For 20 People





# Introduction



- The internationally renowned LE MERIDIEN Hotel was established in 1972 by air force "to provide a home away from home for its customers."

- The 5 star Hotel Le-meridien is built on two hectares of land at the confluence of two Major roads- Janpath and Rasna road in - New Delhi it is the heart of the city

## Introduction of Le Meridien and facilities



- This Luxury Hotel is spread over 4.5 acres.

- A grand Porch.
- Entrance Lobby
- Business Centre and Lounge.
- Convention Centre comprising of Pre Function lobbies.
- Cloak Rooms and Banqueting Facilities with an outdoor party lounge.
- Public Washrooms.
- Multi Cuisine Restaurant.
- Atium Cafe.
- Indian specialty Restaurant.
- Lounge Bar.
- Roof top Restaurant and Bar
- Health Club.
- Beauty Salon.
- Spa.
- Outdoor pool.
- Shopping Arcade.
- Offices.
- Lifts and Lift Lobbies.



Site Area	4.29 Acres (17,301sq.m.)
Total No. of Rooms	358
Year of Renovation	2008-09
Ground Coverage	40%
F.A.R	2
No. of Floors	20

## Location

- A super deluxe luxury hotel, located at Windsor circle, Janpath within a 2km radius of the Central Govt. Offices, Parliament House, Rashtrapati Bhawan and the highly active commercial area and shopping district of Connaught Place.

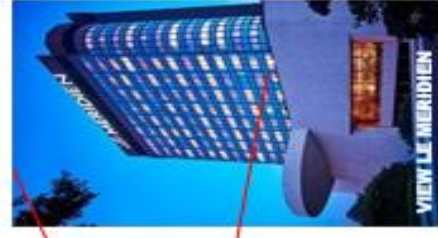
## Concept

- The hotel has been designed on the atrium plan.
- It consists of two square tower with rounded corners, one taller than other.
- Theme used in this hotel is light and dark.
- The largest tower consists the hotel block and the smaller one incorporates the commercial tower.
- The guest rooms, various restaurants, shops, health club all are arranged along, singly loaded corridor, over looking the central atrium.

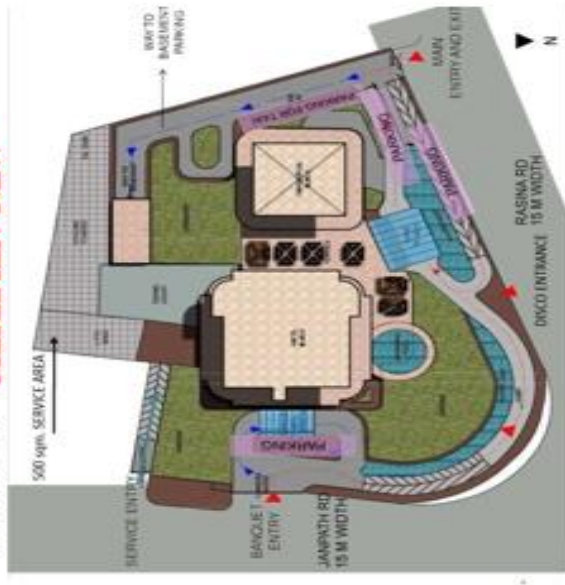


## Parking Area :

- Parking are of two types i.e basement parking and open parking. The parking in both basement levels is provided under the commercial tower
- Basement parking for cars staying for long periods i.e guest cars and executive cars.
- Open parking for visitors, along one side of the ramp leading to the porch.



# CASE STUDY- Le MERIDIEN 2 HOTEL MERIDIEN MERIDIEN NEW



## Nature of clients:-

- Most of the clients are corporate executives and diplomats.
- The foreigner to domestic ratio is about 90:10.
- For many years the occupancy rate of the hotel has been 95-100%.

## SITE ORIENTATION:-

The building faces North-East, the most favorable orientation

## SITE CHARACTER:-

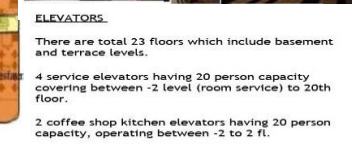
- The site is an irregular Plots having 3 entrances.
- The site being small for the purpose and the overall planning is very compact.
- The design is site responsive and well adapted to the site.



## BUILDING-DETAILS

- Energy Efficient & Leed Certified
- Double Glazed Window, Luxurious Lobby & Courtyard
- Wide Column Spans
- Centrally A.C. With 100% Power Backup.
- Sufficient Car Parking Space.

Le  
MERIDIEN





## CASE STUDY-2

### HOTEL LE MERIDIEN NEW DELHI

#### SECOND FLOOR :-

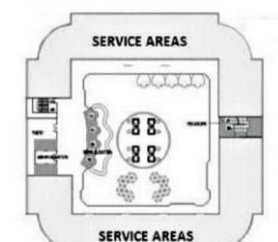
- There are total 14 shops on the second floor.
- Centre Shops are the premium shops having an area of 175 sq.m.
- Large display windows give a unique effect to floor and also break corridor monotony.
- Shopping Arcade is just below the service floor act as segregation between private zone with Public Zone i.e.



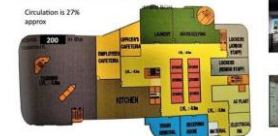
#### THIRD FLOOR (SERVICE FLOOR):

- The Service Floor is above the second floor of the hotel.
- This floor has air hating units which units which serves the restaurant and dining.
- also the pipes coming from the internal ducts of the rooms above become horizontal on this floor and get transferred to the external ducts.

Height Approx. 2.1m

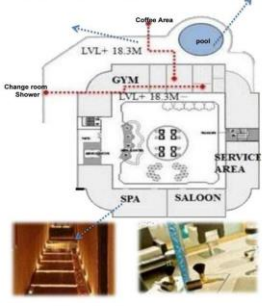


#### BASEMENT 2<sup>ND</sup> FLOOR (J.V. 3.6m)



#### FOURTH FLOOR :-

- Swimming pool is above service floor
- Filtration Plant of pool is just in service floor.
- Entry to pool is from gym area & change room.



#### TYPICAL FLOOR (2<sup>ND</sup> FLOOR)



#### GENERAL INFORMATION :-

- Total 355 rooms designed to provide maximum comfort with facilities to international standards.
- The spacious rooms opening into the atrium lobby, fine dining restaurant and excellent leisure facilities merges the elegant style of France with warm Hospitality of India.
- Room Measurements vary from (35-200sq.m).

GUEST ROOMS:		
DELUXE ROOMS	107	36sq.m
PREMIUM ROOMS	80	70sq.m
LE ROYAL CLUB ROOMS	115	50sq.m
DELUXE SUITES	23	
PREMIUM SUITES	20	
LUXURY SUITES	6	
	6	70sq.m
PREMIUM ROOM (70sq.m)		
• Premium and Deluxe Room are available from 1 <sup>st</sup> to 2 <sup>nd</sup> floors		
• No. of Rooms: 360		
• Rooms are spacious sitting + working table		
ENTRANCE		
RECEPTION		
TOILET & DRESSING		

#### TWENTIETH FLOOR



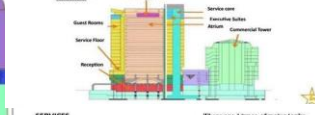
## Le MERIDIEN

#### SECTION OF BUILDING:



- There are 2 Basement Basement under Commercial Tower is used for Parking.
- Banquet hall and Open sitting and Lounge is present on ground floor.
- First Floor Area has the Reception area, meeting rooms, Shops, Restaurant, Waiting Area
- Second floor is all Shop area which is approached only by Staircase from First Floor
- Third Floor is Service Floor.
- Fourth floor has swimming pool, Spa, Gym and an open area for pool party.
- Fifth Floor Guest Rooms Starts to 20<sup>th</sup> Floor Comprising of 355 Rooms.

#### SECTION



#### SERVICES

1. Water Supply and Treatment:
  - Source: From Well
  - The Water has its own system of filtration, Chlorination and changing of water.
  - Water: 3 in number converts 5000 ltr. water into steam which is supplied to laundry and kitchen.
  - Calculation: Unsettled full of cold water of swimming pool after every 8 hrs.

#### 2. Sewage:

- Includes both liquid and solid waste
- Vehicle shaft are provided for sewage.
- Sewage entrance for garbage carrying vehicle is provided.
- Vehicle shaft are provided for sewage.
- To have working space and for easy access vertical shafts are provided at each floor.
- Wet wells and sumps are provided where the sewage is allowed to enter before it is pumped to the next stage for final disposal.
- For maintenance of the sewage disposal system, the system is provided.

#### 3. GARBAGE DISPOSAL:

- Separate entrance for garbage carrying vehicle is provided.
- There are two types of garbage storage:
  - DRY GARBAGE AREA: - separate stores for crushed bottles, cranes and dust bin disposal
  - WET GARBAGE AREA: - separate stores for food waste, vegetable waste, etc.

#### LAUNDRY

1. The Laundry of Le Meridien is 300 sq.m.
2. Solid linen is brought to the laundry in following manner:
  - a) The housekeeping staff changes linen in each room daily, this solid linen is then sent to the solid linen storage room via linen chutes. Linen staff is provided near service lifts, then labeled with the room no. the clothes are then transported in per type, for e.g. cotton, silk, woolen, etc.
  - b. Linen are depends upon the type of hotel.
  - c. Typically the provided 4m sq area is sufficient for linen storage.
  - d. According to 10 types clothes are grouped into linen storage and waiting laundry.

#### Equipment in the laundry:

- a. 30m<sup>2</sup> washing machine
- b. 30m<sup>2</sup> washing machine
- c. Dry cleaner
- d. Calender machine
- e. Short press, steam press (woolen, silk)
- f. Hot head press (cotton)

#### AIR CONDITIONING

- The whole structure is centrally air conditioned
- Fan coil units are provided in each room to control the quantity and quality of air. split room is in the second basement height 6 meters.
- Through rule 1 tonnage used for 17 meters cube of volume chilled water system. Chilled water used as refrigerant Plant room is centrally placed
- No. of A.C.U. 5
- Total load: 1500 tonne Chiller plant: 3 Nos. of 300 Ton each
- 2.5 Ton used in pool house
- 15 degrees heat and 8 degrees output Average temperature: 8°C
- Colour code
- Chilled water line: blue
- Condenser line: green
- Each the pipes provided in all rooms.
- In winter, steam from the boiler is used to heat water for air conditioning. Total area covered by the AC: 37790 sq. m.
- Total capacity when fully used: 1500 tons

#### BOILERS:

- The boiler room is provided next to the parking on the first basement having an area of 175 sq.m.
- At Le Meridien, steam boilers are used to produce steam for heating water. There are 3 steam boilers each with a capacity of 3.5 ton/ hour. The hot water supply to the hotel is divided in 2 zones.

#### PARKING:

- Surface car parking available at the basement.
- Visitors parking is available on side of the ramp leading to the pool and also on the surface.
- Surface Parking is available for the staff.
- Parking for: 250 cars of 50 Surface parking and 200 in Basement.

#### ENTRANCE TO THE BUILDING:

- Entrance to the hotel is through vestibule which leads to the waiting area.
- Staff entrance is through the back side of the hotel building.
- INFERENCES: Separate entrance for guest and staff to be provided

#### CIRCULATION:

- Vehicular movement is restricted only to the periphery of the site with only pedestrian movement allowed inside the blocks creating a very clean environment. Parking has been kept in the basement allowing rest of the site to be landscaped

#### ENTRANCE:

- There are total 4 entrances to the hotel including service entries.
- 3 service entrance is on the Jambhath road provides entrances to staff. Material.
- Check post provided at the entrance.
- Main entrance is through elevated road

#### PLANNING:

- The overall plan has two square towers with rounded corners. Elevated entrances gives a dramatic effect to the porch.
- The left captain, reception desk, information desk and admin areas are all visible to the guest on entering the lobby.
- The reception lobby provided is adequate with sufficient seating for around 30 peoples.
- Toilets are also well linked with the lobby.
- All the public areas are located on First floor only leaving the above area to be as guest floors that leading privacy to the upper floors.
- The entrances to banquet and meeting room are separate. Also the shops leading to various banquets are located near entrance only in the lobby area.
- All the exit staircases have not been provided on the external walls.

# LITERATURE

# LITERATURE STUDY

## Merits of Case Study:

- 1.In-depth Analysis:** Case studies allow researchers to delve deeply into specific cases, providing a detailed understanding of complex phenomena that may not be possible with other research methods.
- 2.Rich Data:** They generate rich qualitative data through various sources such as interviews, observations, and documents, which can lead to nuanced insights and understanding.
- 3.Holistic Perspective:** Case studies enable researchers to consider multiple factors and perspectives within a real-world context, providing a holistic view of the situation.
- 4.Flexibility:** They offer flexibility in data collection methods, allowing researchers to adapt their approach based on the unique characteristics of each case.
- 5.Theory Development:** Case studies can contribute to theory development by generating hypotheses or challenging existing theories through the exploration of real-life cases.
- 6.Educational Purposes:** Case studies are widely used in education to illustrate theoretical concepts, encourage critical thinking, and facilitate problem-solving skills.

## Demerits of Case Study:

- 1.Limited Generalizability:** Findings from case studies may not be easily generalizable to broader populations or contexts due to the unique nature of each case.
  - 2.Subjectivity:** The interpretation of data in case studies can be subjective, influenced by the researcher's biases, perspectives, and preconceptions.
  - 3.Time-Consuming:** Conducting a thorough case study can be time-consuming and resource-intensive, requiring extensive data collection, analysis, and interpretation.
  - 4.Difficulty in Replication:** Since case studies focus on specific cases, replicating the study to validate findings can be challenging, reducing the reliability of the research.
  - 5.Potential for Bias:** Researchers may face challenges in maintaining objectivity and minimizing bias, particularly when they have a vested interest in the outcome of the study.
  - 6.Ethical Concerns:** Ethical issues such as privacy, confidentiality, and informed consent can arise in case studies, particularly when dealing with sensitive or personal information.
- Overall, while case studies offer valuable insights into complex phenomena, researchers must carefully consider their strengths and limitations when choosing this method for their research.

S.NO	PRIVATE AREAS (STAFF)	TIME SAVERS STANDARDS (METER SQUARE)	NEUFERTS (METER SQUARE PER ROOM)	NEUFERTS (FOR A 100-ROOM CITY HOTEL)
1	ADMINISTRATION OFFICE	52.68	0.4	40
2	ACCOUNTS OFFICE	13.93	0.2	20
3	TECHNICAL/MECHANICAL ROOMS	171.87	1.8	180
4	BEDROOMS		0.9	90
5	LAUNDRY + STORAGE	66.89	0.7	70
6	KITCHEN + STORAGE	118.91	2.5	250
7	CONTROL ROOM		0.3	30
8	WASTE DISPOSAL	7.43	0.2	20
9	LOCKERS + WASHROOMS		0.2	20
10	PANTRY		0.4	40

S.NO	PUBLIC AREAS	TIME SAVERS STANDARDS (METER SQUARE )	NEUFERTS (METER SQUARE PER ROOM)	NEUFERTS (FOR A 100-ROOM CITY HOTEL)
1	LOBBY + RECEPTION	102.19	0.4	40
2	RESTAURANTS	139.35	0.6	60
3	SHOPS + RETAIL STORE		1.1	110
4	LOUNGE + BAR	55.74+18.58	0.2	20
5	CLOAK ROOM	14.86	0.5	50
6	PARKING			
7	RECREATIONAL AREAS(OUTDOOR)		51.7	5170
8	BANQUET	217.39	1.3	130

- Maximum permissible ground coverage is 40%
- F.A.R.-1.75
- Parking- 3 E.C.S. / 100sq m. total built up area
- For open parking,1 E.C.S.-23 sq. m.
- For stilt or ground floor parking,1 E.C.S.-28sq m.
- For basement parking,1 E.C.S.-32 sq. m.
- Stilt & basement parking will not considered in F.A.R.
- Stilt floor's height must not exceed 8'6"
- Multi level basement will be allowed behind the building in zoned area except in set-backs provided it is proposed for parking purposes only and satisfy the Public Health and Structural requirements.
- Parking grid in basements & stilt floors must be between 37-56 sq. meter.

### PROVISION OF BASEMENT

- Basement in case of plotted development if constructed shall not be included in FAR.
- Basement area shall not exceed the ground floor coverage.

### HOTEL (4 STAR)

- It must have a minimum plot size of 5000 sq. mt.
- F.A.R is allowed upto 3 ( 20-25% of this FAR can be used for commercial purposes)
- Ground coverage upto 40%
- Parking -1 ECS per 100 sq. mt. of covered area

## BUILDING BYE LAWS

### • THERE ARE TWO MAIN AREA IN A HOTEL:

#### 1. FRONT OF THE HOUSE

The greeting area, is known as the front of the house.

Main areas are lobbies, dining spaces,rest rooms, passenger elevators, corridors, hotel rooms, etc

#### 2. BACK OF THE HOUSE

where the guests service amenities were taken care of

Main functions are laundering ,foodstuffs, housekeeping supplies, and many other services that must be kept out of sight of the hotel guests

#### AREA REQUIREMENT for corridors

1. Corridor space should be about 6msq per room
2. At least 1.5 to 1.80 m wide
3. Separate routes should be provided for guests , staff and goods.

S.NO	MAIN FACILITIES	SUB REQUIREMENTS
1	24 HR LIFT FOR BUILDING GREATER THAN G+2 FLOORS	
2	GUEST ROOM	1. MIN 10 ROOMS 2. AREA= 140 SQ.FT 3. SINGLE ROOMS, 120 SQ.FT 4. 100% ARE CONDITIONING 5. AT LEAST ONE ROOM FOR DIFFERENTLY ABLED GUEST, MIN. DOOR WIDTH = 1M
3	SUITE ( 2% OF ROOM BLOCK WITH A MINIMUM OF 1)	
4	PUBLIC AREAS	1. RECEPTION FACILITY 2. LOUNGE WITH SITTING AREA IN LOBBY 3. BAR
5	BATHROOM	1. ALL ROOMS WITH ATTACHED BATHROOM 2. MIN. AREA = 36 SQ.FT 3. WITH SHOWER CABS 4. SOME ROOMS MUST HAVE BATH TUBS
6	FOOD AND BEVERAGES	1. ONE MULTI-CURSE RESTAURANT CUM COFFEE SHOP OPEN FROM 7 A.M. TO 11 P.M. 2. ONE SPECIALITY RESTAURANT AND 24 HR. ROOM SERVICE.

S.NO	MAIN FACILITIES	SUB REQUIREMENTS
7	KITCHEN	1. REFRIGERATOR WITH DEEP FREEZE 2. SEGREGATED STORAGE OF MEAT, FISH AND VEGETABLES 3. TILED WALLS NON-SLIP FLOORS 4. VENTILATION SYSTEM 5. GARBAGE TO BE SEGREGATED - WET AND DRY, TO ENCOURAGE RECYCLING. 6. WET GARBAGE AREA TO BE AIR CONDITIONED 7. RECEIVING AREAS AND STORES, SEPARATE FROM GARBAGE AREA
8	STAFF WELFARE / FACILITIES	1. STAFF REST ROOM, SEPARATE FOR MALE AND FEMALE EMPLOYEES WITH BUNK BEDS, WELL LIGHTED AND VENTILATED 2. STAFF LOCKER ROOM 3. TOILET FACILITIES 4. DINING AREA
9	GUEST SERVICES	1. PROVISION OF WHEELCHAIR FOR THE DIFFERENTLY ABLED GUEST 2. VALET (PARKING) SERVICES, WITH PROPER DROP-OFF 3. LINEN ROOM 4. LAUNDRY 5. SHOE CLEANING SERVICE 6. TRAVEL DESK 7. SHOP ROOM
10	SAFETY AND SECURITY	1. METAL DETECTORS 2. CCTV 3. UNDER BELLY SCANNERS TO SCREEN VEHICLES 4. SMOKE DETECTORS, THESE CAN BE BATTERY OPERATED 5. FIRE AND EMERGENCY ALARMS WITH VISUAL & AUDIBLE SIGNALS 6. FIRST AID KIT WITH OVER THE COUNTER MEDICINES WITH FRONT DESK
11	COMMUNICATION FACILITIES	1. A TELEPHONE 2. PC AVAILABLE FOR GUEST USE WITH INTERNET ACCESS 3. FAX, PHOTOCOPY AND PRINTING SERVICE
12	BUSINESS CENTRE	
13	WASHROOMS	

S.NO	PRIVATE AREAS (GUEST)	TIME SAVERS STANDARDS (METER SQUARE)	NEUFERTS (METER SQUARE PER ROOM)	NEUFERTS (FOR A 100-ROOM CITY HOTEL)
1	SINGLE BEDROOM	11.14	10.5	1050
2	DOUBLE BEDROOM	14.86	12.0	1200
3	DELUXE BEDROOM	18.58	17.5	1750
4	SUITE BEDROOM	24.15	22.5	2250
5	STEAM ROOMS + SPA		1.5	150
6	LOUNGE + BAR	74.32	0.4	40
7	READING			
8	RECREATIONAL AREAS (SWIMMING POOL, PARKS)		4.16	416
9	WASHROOMS	36 PER ROOM	0.3	30

DISCRIPTI ON	CASE STUDY-01 (H OIELJWMARRIOTT AERO CITY NEW DELHI)	CASE STUDY-02 (HOTEL IE MERIDIENNEWDELHI)	LITERATURE STUDY
SITE AREA	5.9 Acr.	4.29 Acr	0.6 Acr(Minimun)
BUILTUP AREA	9290 SQ.MT.	15492 SQ.MT.	-----
GROUND COVERAGE	9180.35Q.MT.	6944 SQ.MT.	40%
F.A.R.	2.2	2	1.8
HEIGHT	27.5 M	70	May Vary
PARKING	714 ECS	643 ECS	100 ECS (Minimun)

S.NO	PUBLIC AREAS	PRIVATE AREAS(STAFF)	PRIVATE AREAS(GUEST)	SEMI PRIVATE
1	LOBBY + RECEPTION	ADMINISTRATION OFFICE	SINGLE BEDROOM	BANQUET
2	RESTAURANTS	ACCOUNTS OFFICE	DOUBLE BEDROOM	DINING HALL
3	SHOPS + RETAIL STORE	TECHNICAL/MECHANICAL ROOMS	DELUXE BEDROOM	MULTIPURPOSE HALL
4	LOUNGE + BAR	BEDROOMS	SUITE BEDROOM	
5	CLOAK ROOM	LAUNDRY + STORAGE	STEAM ROOMS + SPA	
6	PARKING	KITCHEN + STORAGE	LOUNGE + BAR	
7	RECREATIONAL AREAS(OUTDOOR)	CONTROL ROOM	READING	
8	BANQUET	WASTE DISPOSAL	RECREATIONAL AREAS (SWIMMING POOL, PARKS)	
9		LOCKERS + WASHROOMS		
10		PANTRY		

# SITE STUDY



# SITE ANALYSIS

## LOCATION

### 3. Site Information

The proposed project is located on at Sector J, Basant kunj, hardoi road, Lucknow, Uttar Pradesh.

**Coordinate:-**26°53'16"N 80°52'06"E

**TOTAL SITE AREA =**

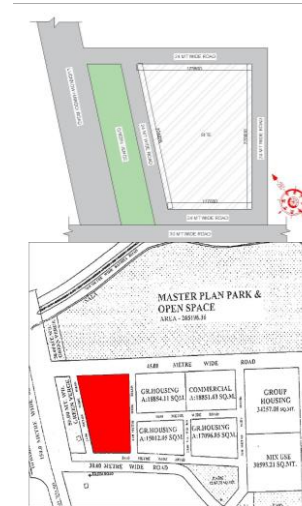
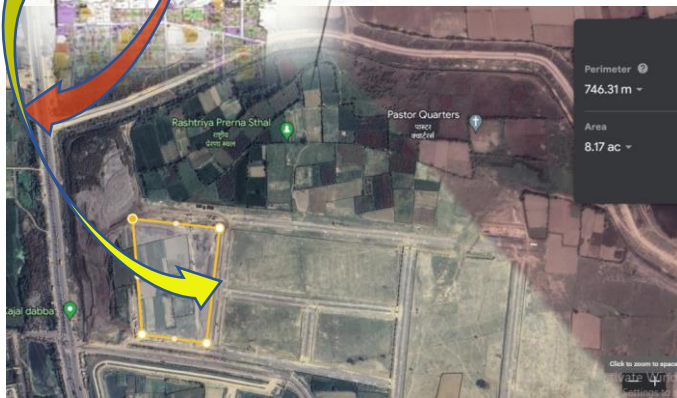
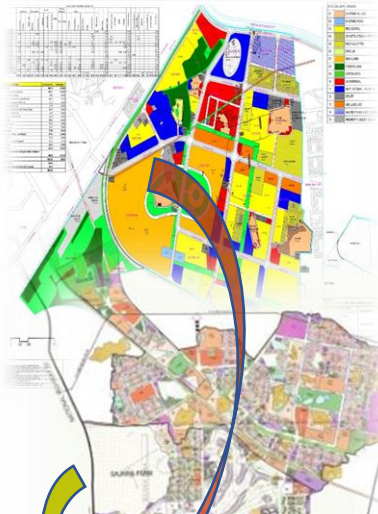
**8.17 ACRES**

**PERMISSIBLE**

**GROUND COVERAGE**

**= 40%**

**F.A.R = 2.50**



## SITE

### CONDITIONS:

The soil is alluvial fertile soil.

### VEGETATION:

The vegetation on site includes barely weeds , large bushes haphazard vegetation on most of the part of site .

There is also some trees planted along with the service road on a distance of 4m – 6m c/c.

### TOPOGRAPHY :

The site is almost a flat plain site with large bushes at some places. The site is surrounded by service roads on all four sides .

### ACCESS TO THE SITE:

The site can be approached from Lucknow by the NH-02 which connect Delhi with Kolkata .

### WATER SUPPLY AND DRAINAGE:

The site has its own water supply and proficient volume of water supply . Site has well maintained drainage system with regular cleaning along with front service road .

### ELECTRICITY:

The site has the best mode of the supply of electricity . There are poles and cables for each area and section for better connectivity and convenience.

## Lucknow Cantonment

:- 15 km

## Airport

:- 20km

## Charbagh Railway station

:- 11km

Major Landmark  
Jogger's Park

## Alambagh Bus station

:- 12 km

## Collectrate

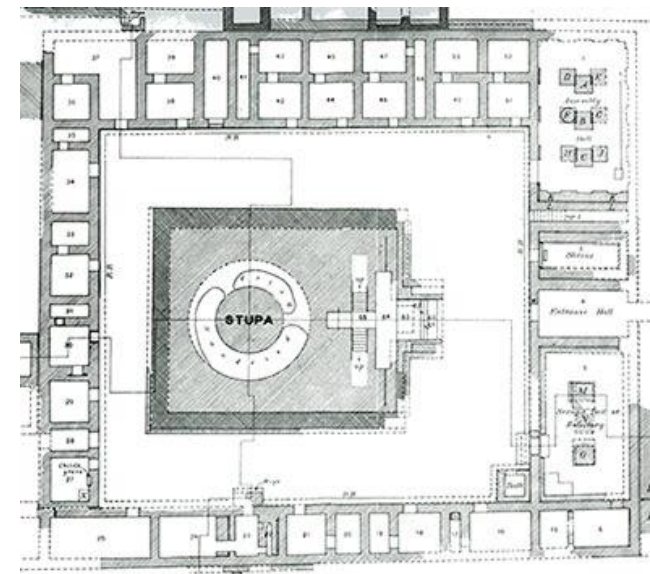
:- 8.6 km



CONCETP



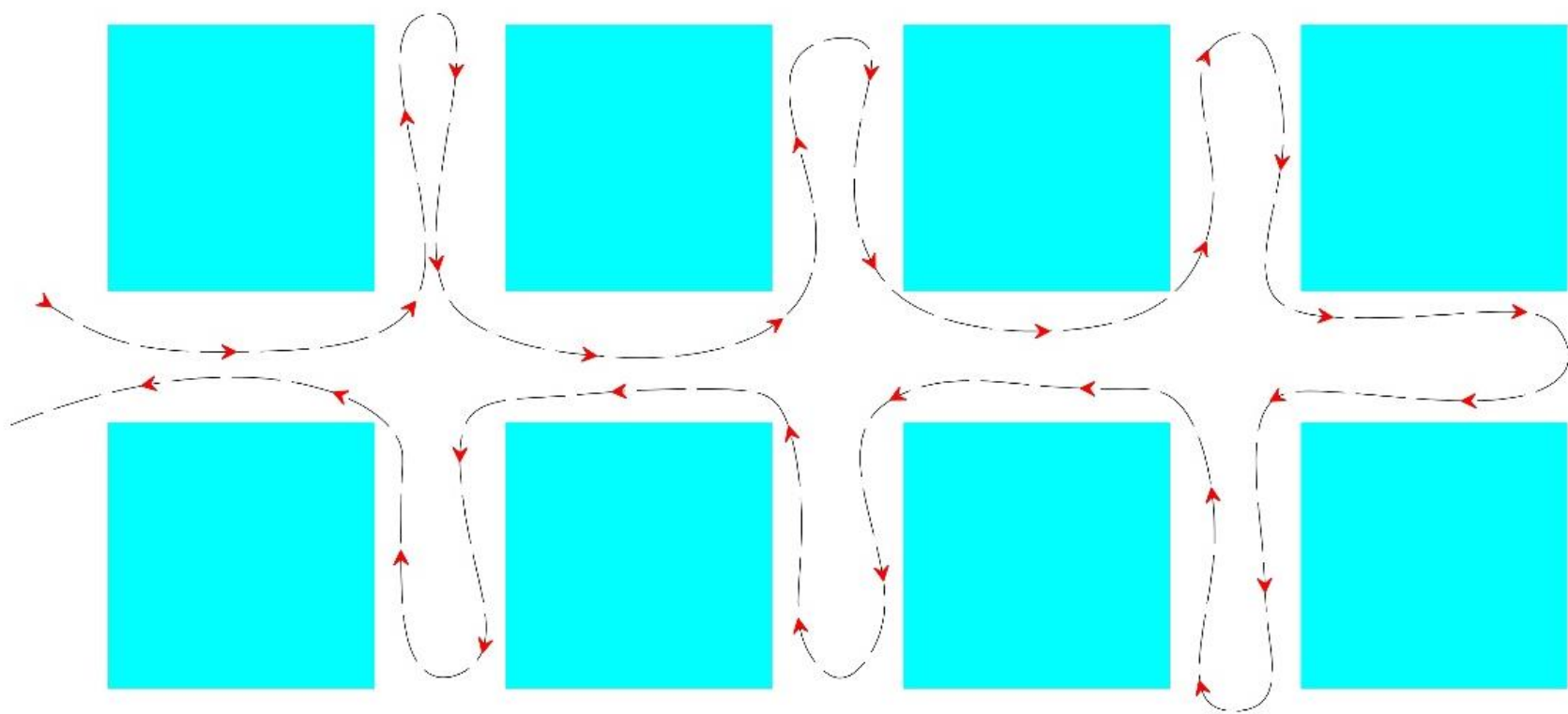
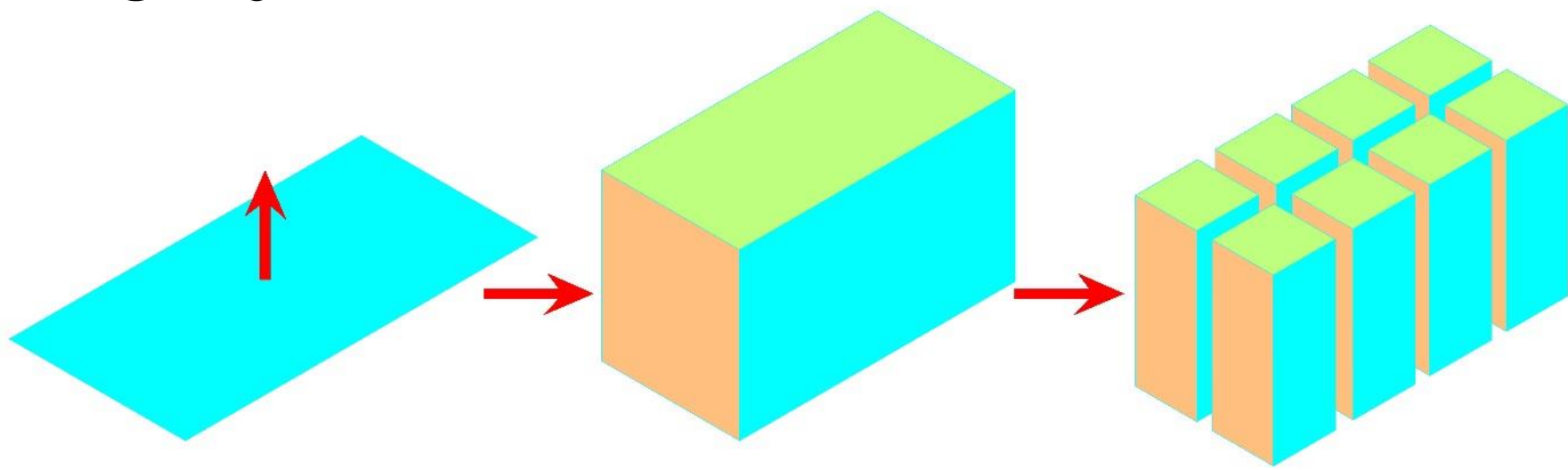
## FORM EVOLUTION



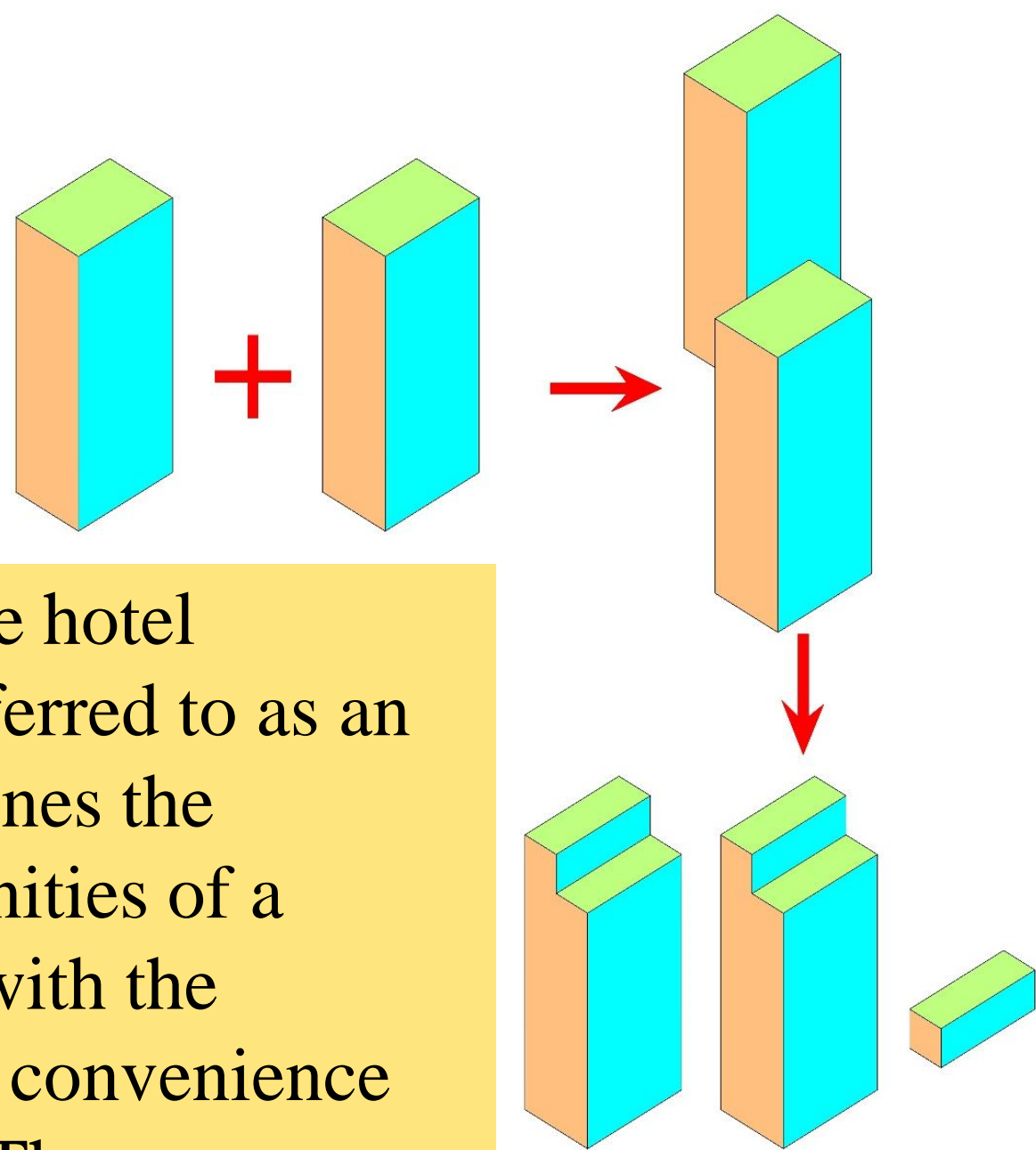
### INDUS VALLY CIVILIZATION GRID PATTERN

The Indus Valley Civilization, flourishing around 2600-1900 BCE, is distinguished by its advanced urban planning featuring a grid pattern. Cities like Mohenjo-Daro and Harappa were meticulously laid out with streets intersecting at right angles, creating a grid system. This urban design included standardized street widths, sophisticated drainage systems, and well-planned residential, commercial, and public buildings. The use of uniform building materials, systematic zoning, and strategic placement of water and sanitation facilities highlight the civilization's emphasis on order, hygiene, and efficient management, showcasing their remarkable engineering and administrative prowess.

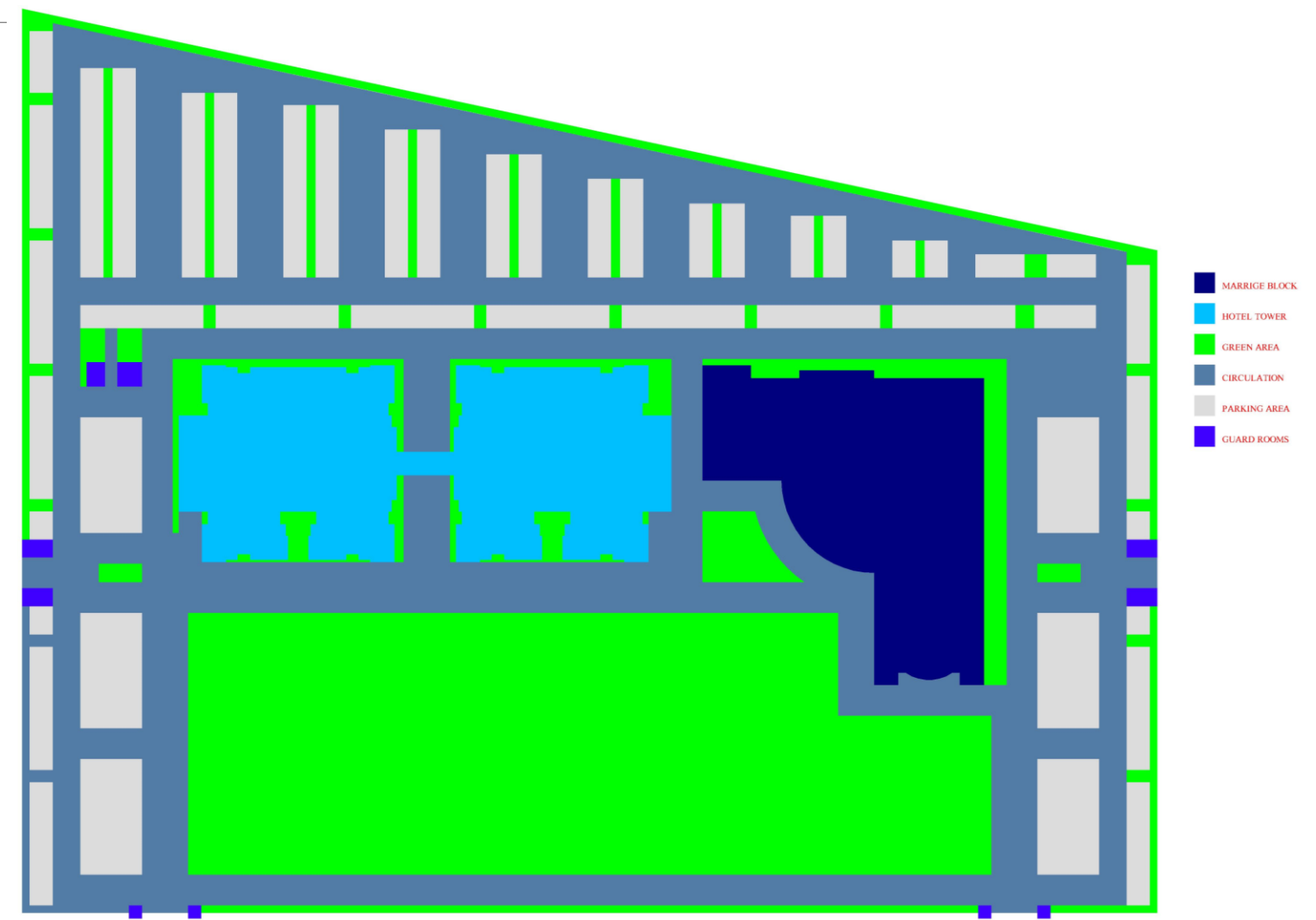
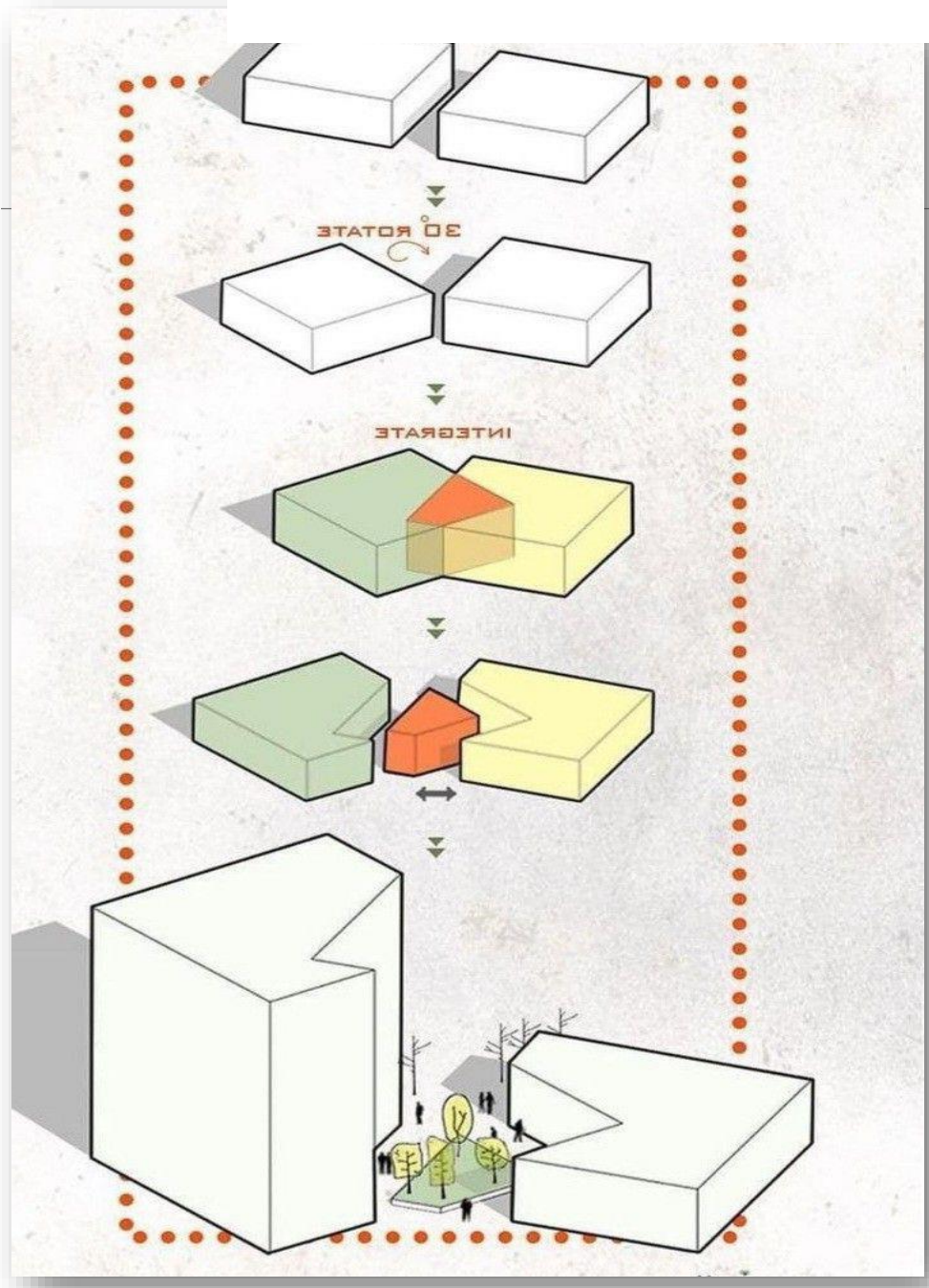
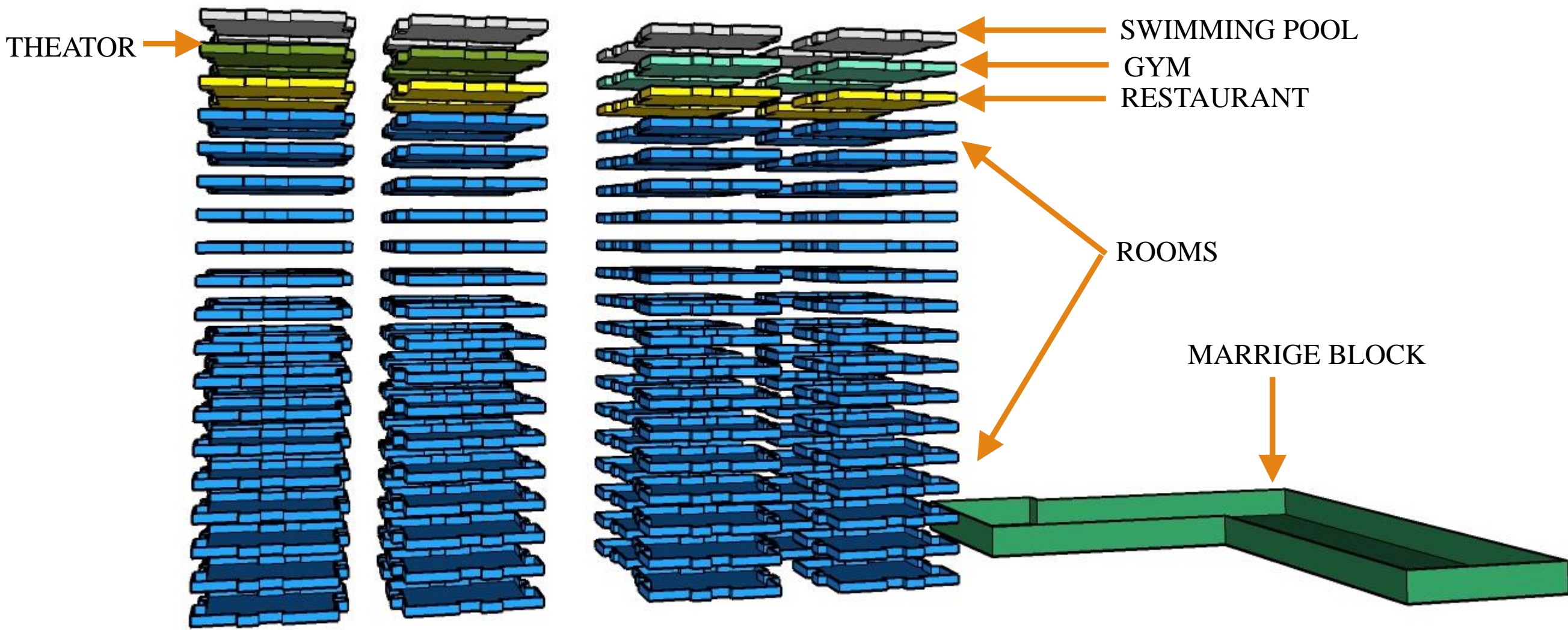
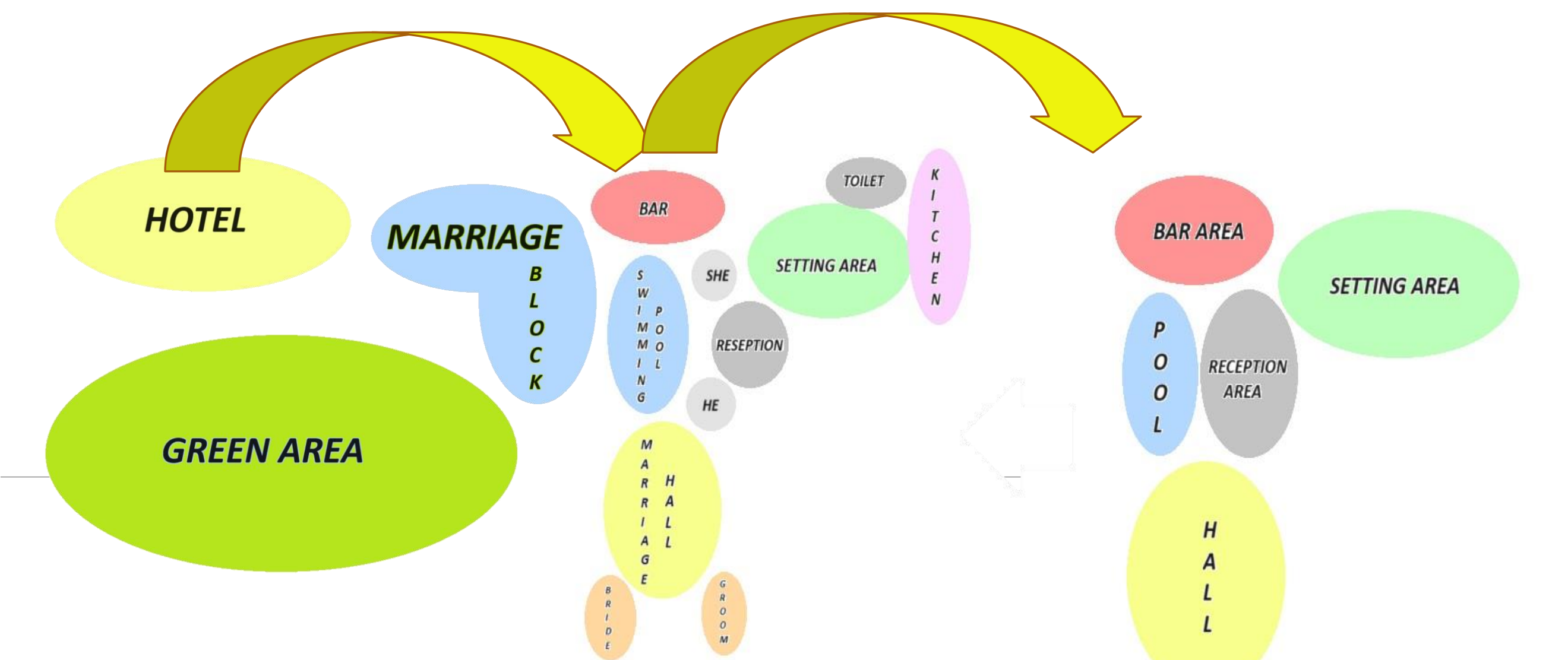
#### STAGE:-1



#### STAGE:-2



An apartment-like hotel concept, often referred to as an aparthotel, combines the comfort and amenities of a traditional hotel with the spaciousness and convenience of an apartment. These accommodations





# CLIMATE STUDY

Altitude :- 128m  
 Temperature :- summer temp: 45°C max  
 29°C min  
 winter temp: 22°C  
 max 4°C min  
 Latitude & Longitude :- 26.85° n & 80.92° e  
 Altitude :- 128 M  
 Rain fall :- 107.8 cms.  
 Area :- 2,528 sq. Km.  
 Best season :- october to march.  
 Maximum humidity :- 80-90%  
 Minimum humidity :- 32-23%

## GENERAL CLIMATIC FEATURES OF THE CITY:

Lucknow has a composite climate and characterized by the dryness of air except in monsoon season as it comes under a subtropical climate, it experiences hot summer from month April to June, and a very chilly winter from October to February.

### RAIN FALL:

The weather in Lucknow experience seasonal monsoon. Monsoon sets in the month of July with the arrival of South-westerly monsoon winds and lasts till September. Lucknow receives 107 cm of rainfall annually during these months.

### TEMPERAUTRE :

Lucknow experiences summer from April to June. The temperature in the summer months rises to about 48 °C (118.4 °F) and the climate becomes very hot and scorching. Hot dry winds generally called loo blow in the summer months from April to June making the season unbearable. The winter season is comparatively pleasant with the average temperature revolving around 11°C. It is the best time to visit this historic city. At times the mercury drops to about 5 °C making the weather very chilly

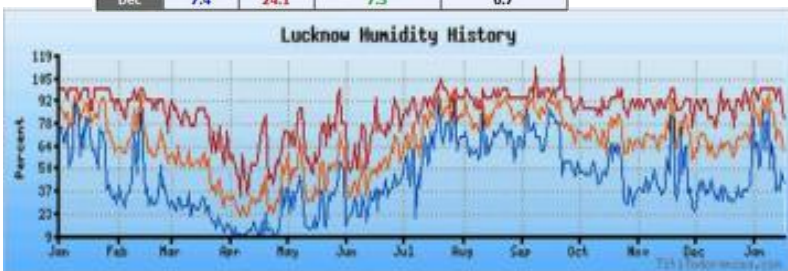
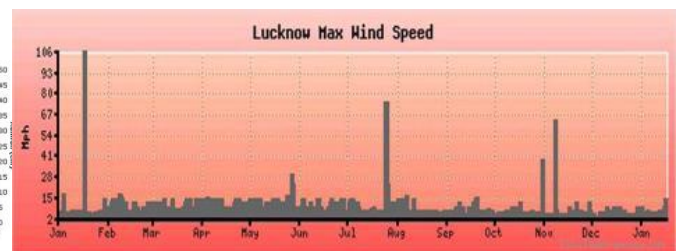
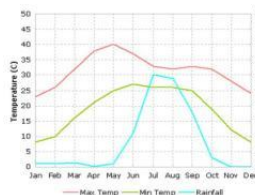
### HUMIDITY :

The air is generally dry during the greater part of the year. Humidity is high during the south west monsoon season.

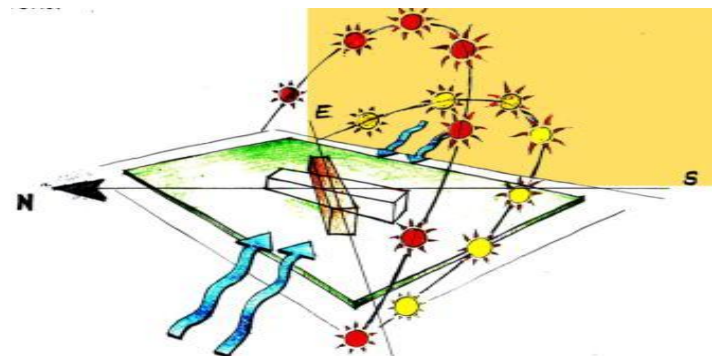
### WINDS :

The wind speed is generally high in the month of august and during monsoon season it from east or south east direction and during other season it is from west or north west direction.

Month	Mean Temperature °C		Mean Total Rainfall (mm)	Mean Number of Rain Days
	Daily Minimum	Daily Maximum		
Jan	6.9	22.6	21.9	1.6
Feb	9.3	26.0	11.2	1.1
Mar	14.2	32.2	7.7	0.7
Apr	20.5	38.1	4.9	0.5
May	24.7	40.5	16.5	1.0
Jun	27.1	38.7	107.4	4.2
Jul	26.1	33.6	294.3	11.6
Aug	25.6	32.5	313.9	13.1
Sep	24.3	33.0	180.6	7.4
Oct	19.0	32.5	45.2	2.0
Nov	11.8	28.9	3.8	0.3
Dec	7.4	24.1	7.3	0.7



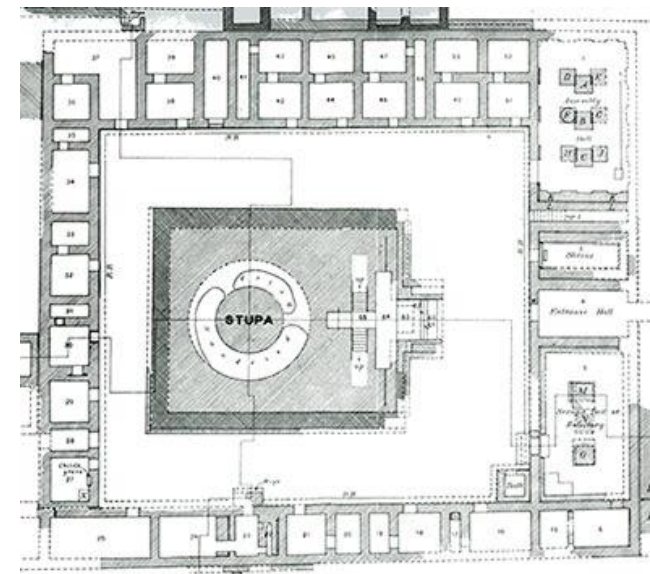
Legend:  
 — Maximum humidity  
 — Average humidity  
 — Minimum humidity



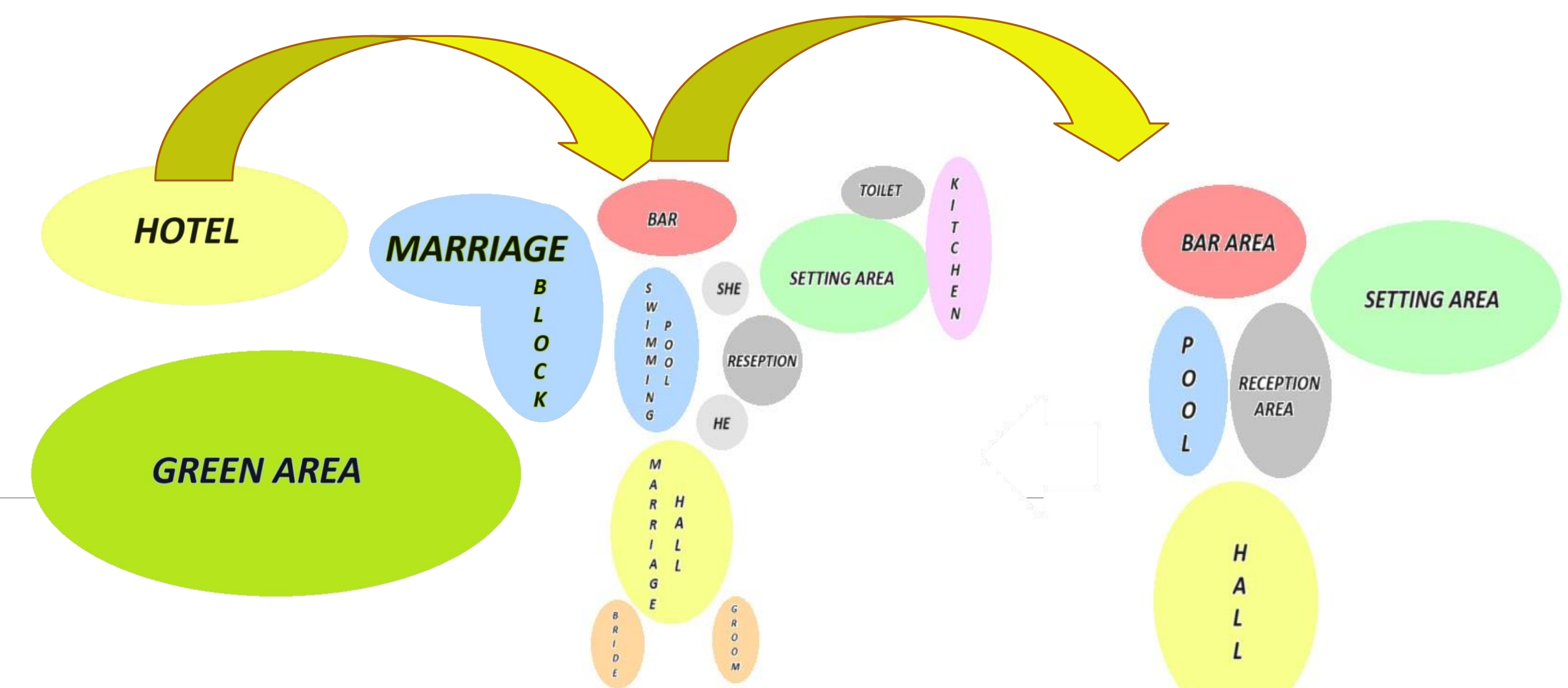
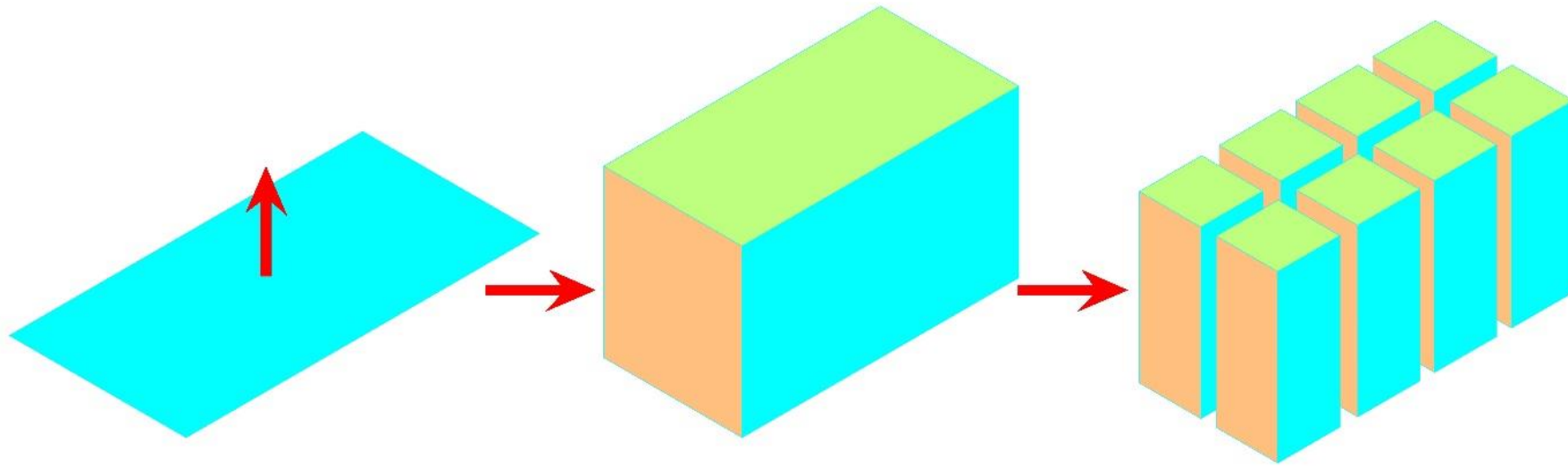
# DRAWINGS



# FORM EVOLUTION

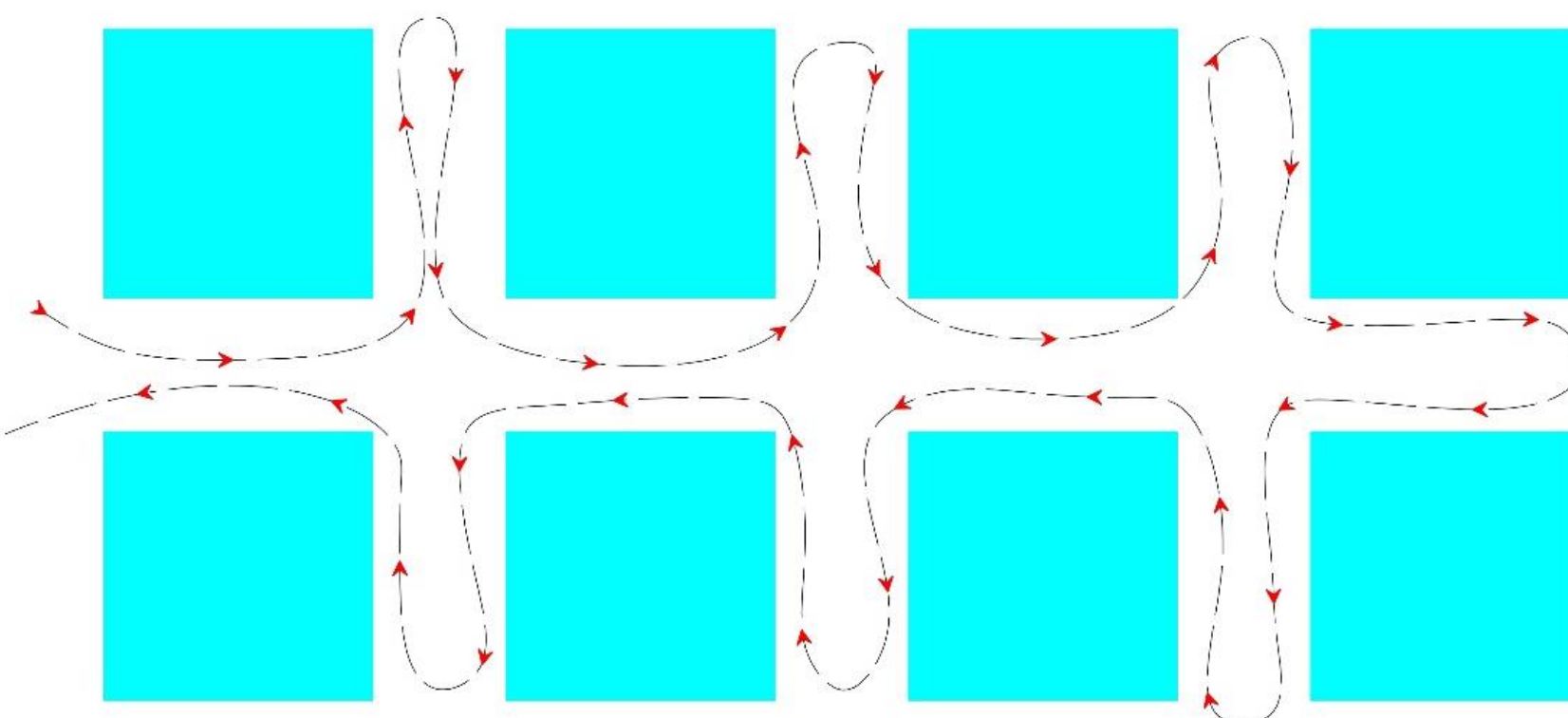


## STAGE:-1

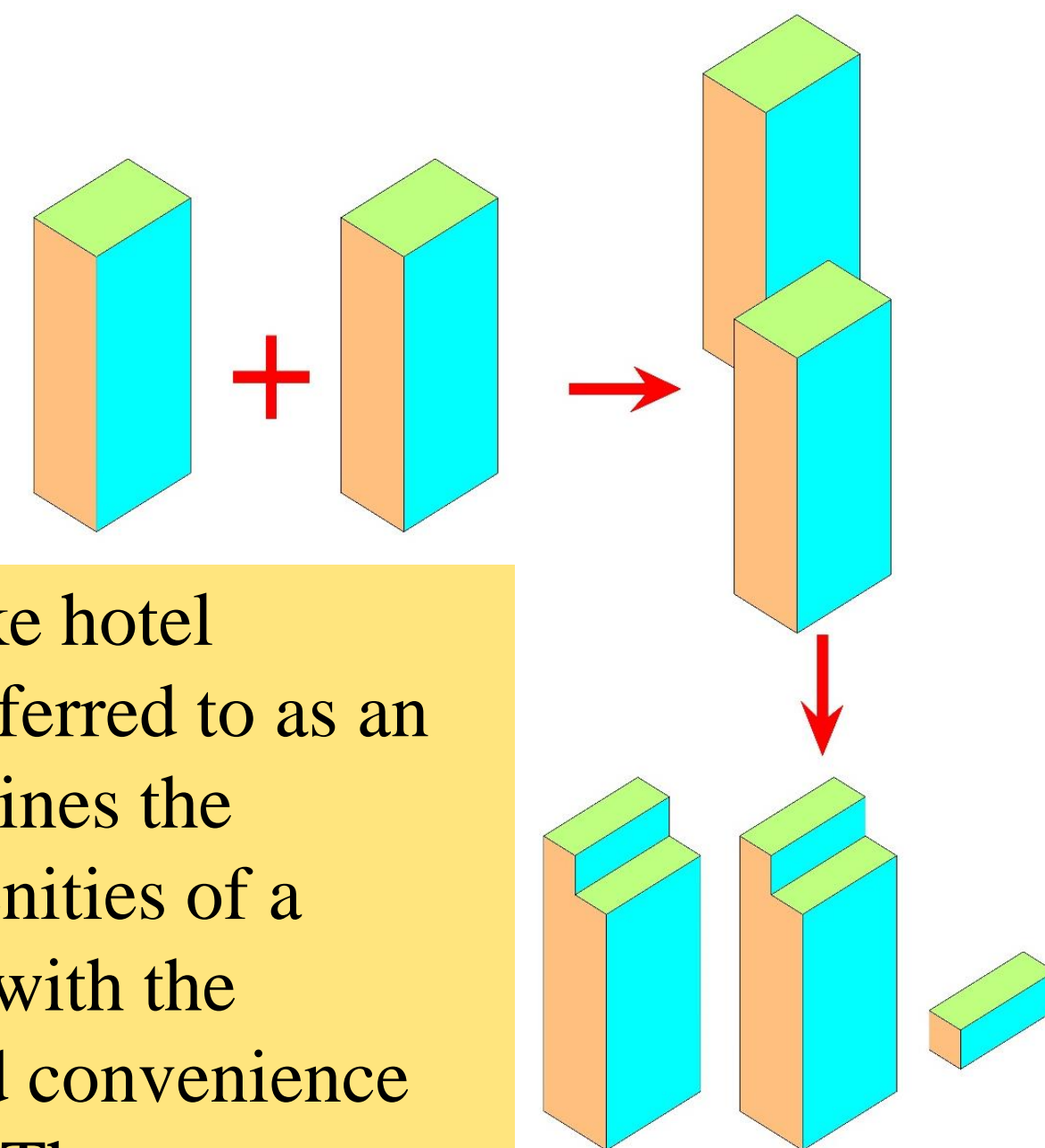


## INDUS VALLY CIVILIZATION GRID PATTERN

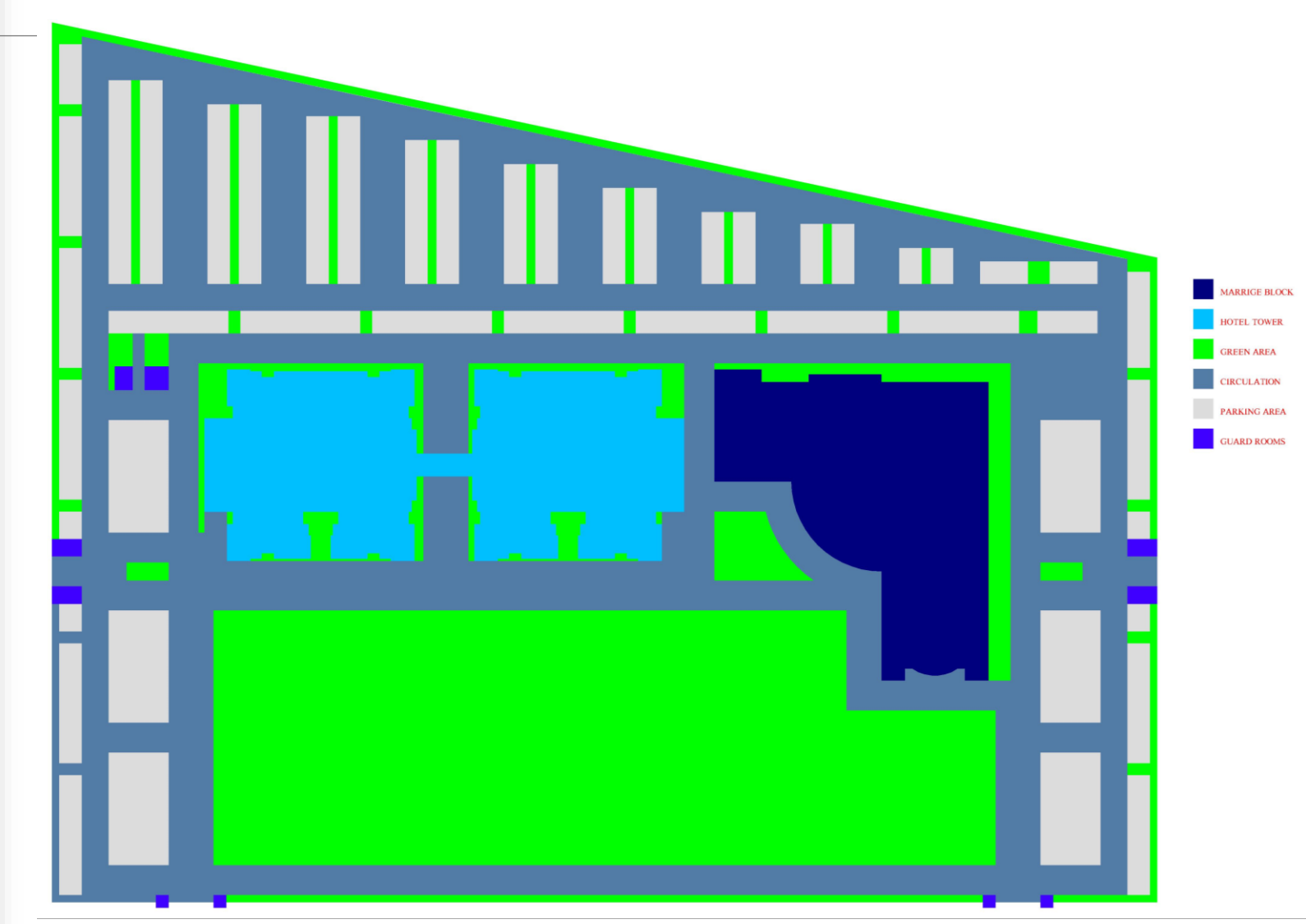
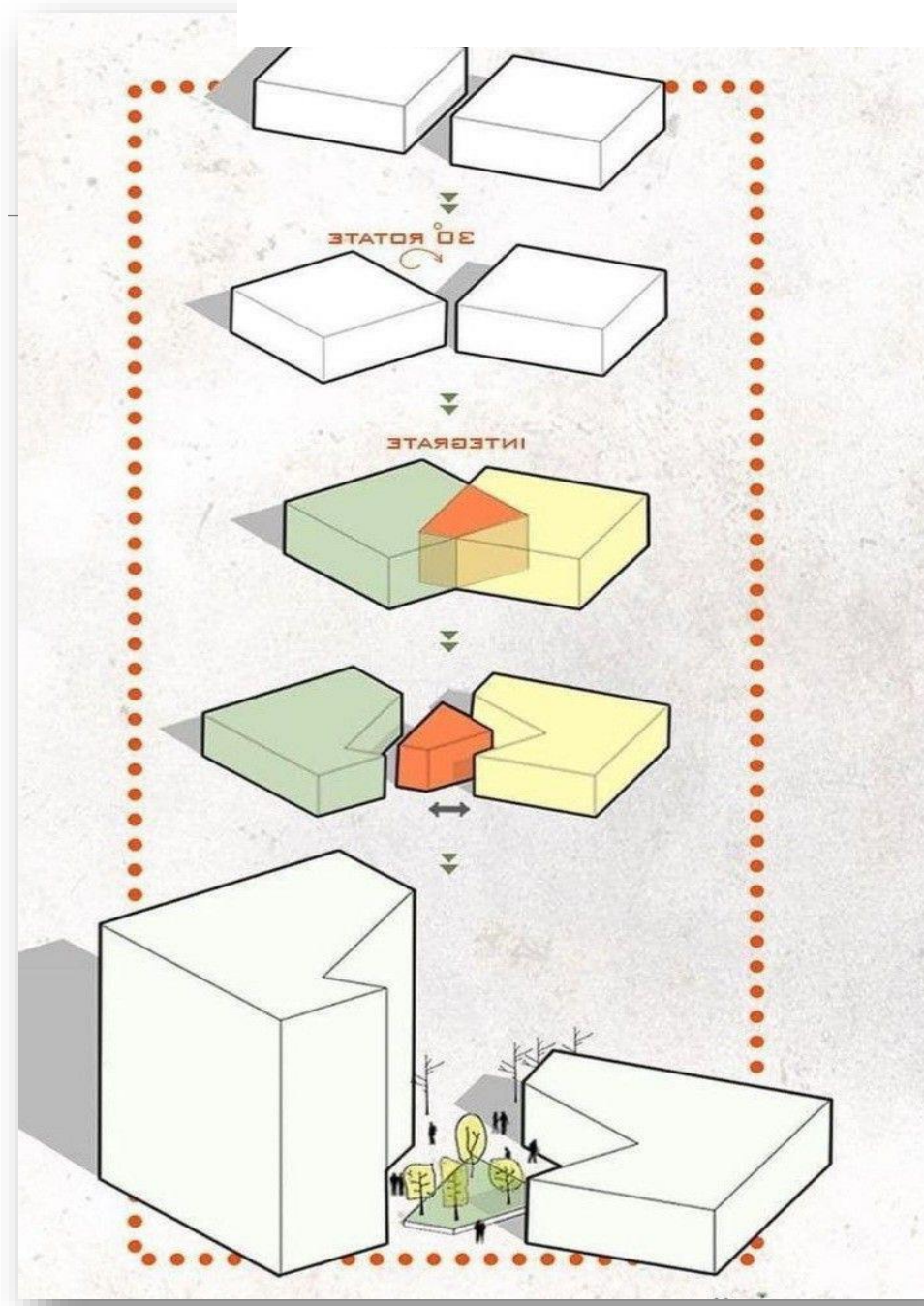
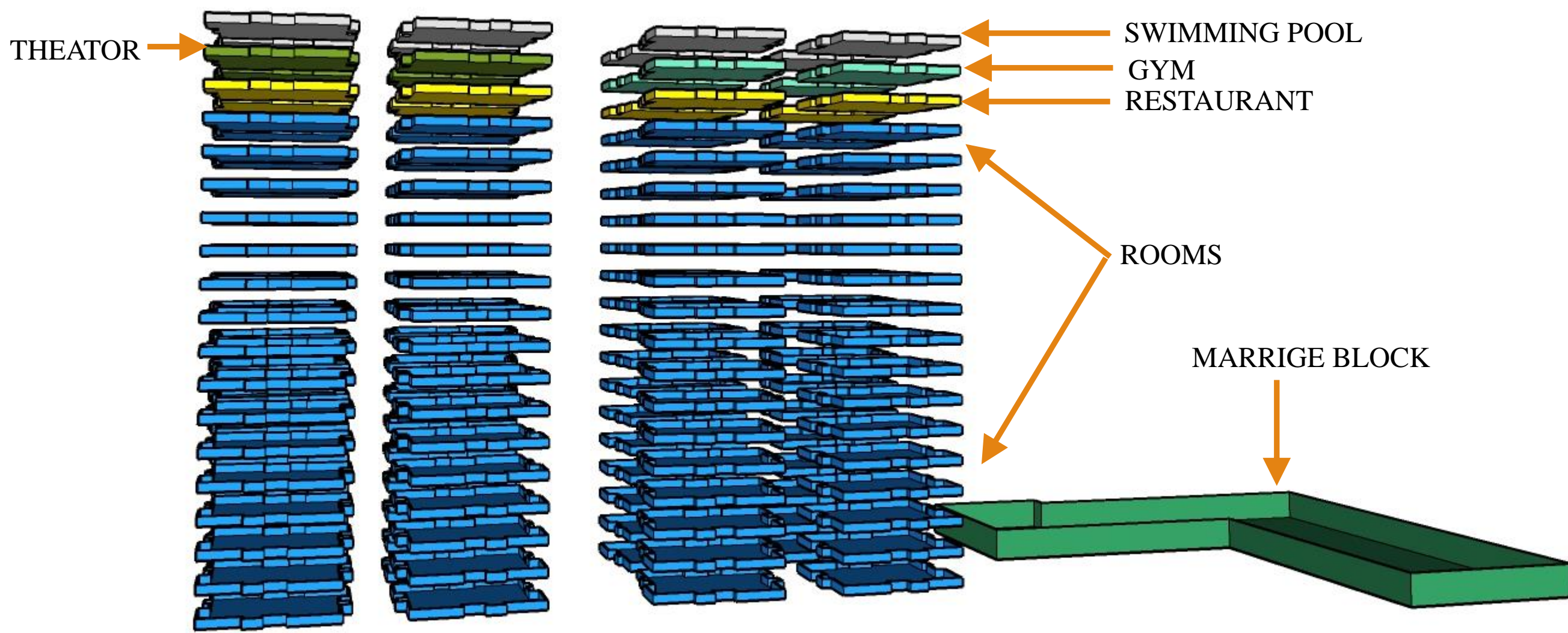
The Indus Valley Civilization, flourishing around 2600-1900 BCE, is distinguished by its advanced urban planning featuring a grid pattern. Cities like Mohenjo-Daro and Harappa were meticulously laid out with streets intersecting at right angles, creating a grid system. This urban design included standardized street widths, sophisticated drainage systems, and well-planned residential, commercial, and public buildings. The use of uniform building materials, systematic zoning, and strategic placement of water and sanitation facilities highlight the civilization's emphasis on order, hygiene, and efficient management, showcasing their remarkable engineering and administrative prowess.



## STAGE:-2

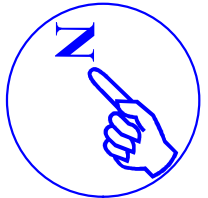


An apartment-like hotel concept, often referred to as an aparthotel, combines the comfort and amenities of a traditional hotel with the spaciousness and convenience of an apartment. These accommodations





SITE PLAN

 SHEET NO:- 01

PLOT AREA:-	33460sqmt.
PER. G.C.:-	30%(115.33sqmt.)
ACH. G.C.:-	11.34%(3795sqmt.)
PER. F.A.R.:-	1.8
ACH. F.A.R.:-	1.4
TOTAL BUILDUP-	47575sqmt.



DI-01 SITE PLAN  
DR-01 SCALE 1:500



5 STAR HOTEL

Ar.Shailesh k. Yadav

THEISIS GUIDE:

Sector-J, Basant Kunj, Hardoi Road
















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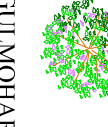






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ELECTRIC LEGEND

S.No.	SYMBOL	DESCRIPTION	POSITION
1		CEILING LIGHT	C.LEVEL
2		CEILING FAN	C.LEVEL
3		SWITCH BOARD	600
4		5 -AMP MULTIPIN SOCKET OUTLET	600
5		5 -AMP MULTIPIN SOCKET OUTLET	1050
6		5 -AMP MULTIPIN SOCKET OUTLET	1800
7		15 -AMP MULTIPIN SOCKET OUTLET	600
8		15 -AMP MULTIPIN SOCKET OUTLET	1050
9		15 -AMP MULTIPIN SOCKET OUTLET	1800
10		MCB 20 AMP (A.C. POINT)	60
11		TUBE LIGHT	2550
12		MIRROR LIGHT	1200
13		TELEPHONE LINE	600
14		GEYSER POINT	2400
15		SPLIT A.C. LOCATION	2400

LANDSCAPE LEGEND

SR.	TREE	SCI. NAME	HEIGHT	DETAILS
1		SAPOTA ASOCA	HEIGHT - 25-30 M.	STRONG EVERGREEN TREE A SHADE TREE
2		CASIA FISTULA	HEIGHT - 10 -16 M.	DECIDUOUS TREE FLOWERING ORNAMENTAL TREE. PRODUCES 45-60 CM. PODS IN AUTUMN SEASON
3		DELONIX REGIA	HEIGHT - 10 -15 M.	DECIDUOUS TREE BEARS RED FLOWERS IN MARCH AND APRIL
4		PRUNUS SLICINAAASOCA	HEIGHT - 12 M.	IT HAS SLENDER SMOOTH TRUNK AND GROWS IN MOST GARDEN SOILS
5		FICUS RELIGIOSA	HEIGHT - 20-35 M.	DECIDUOUS TREE TRUNK IS BROWN AND WOOD AND LIGHT BROWN BARK
6		LIGUSTRUM OVALIFOLIUM	HEIGHT - 3 M.	OR MORE AS DESIRED IT POSSESSES YELLOWISH GREEN LEAVES
7		LAVANDULA (LAVENDER)	HEIGHT - 25-30 M.	IT IS A TYPE OF PALM HAVING NEEDLE SHAPED DARK GREEN LEAVES
8		TECOMA GAUDICHAUDI	HEIGHT - 6 - 20 M.	DARK GREEN LEAVES
9		FICUS PANDA	HEIGHT - 6 - 1.5 M.	DARK GREEN LEAVES

PLUMBING LEGEND

SR. NO.	SYMBOL	DISCRIPTION
1		110(OD) uPVC SOIL / WASTE & VENT PIPE
2		110(OD) uPVC KITCHEN WASTE & VENT PIPE
3		75(OD) uPVC ANTI-SYPHONIC PIPE
4		DOMESTIC WATER SUPPLY
5		MANHOLE
6		SINK
7		TAP
8		URINAL
9		W.C.

ACH F.A.R.:- 1.4  
PER F.A.R.:- 1.8

ACH G.C.:- 11.34%(3795sqmt.)  
PER G.C.:- 30%(1115.33sqmt.)

PLOT AREA:- 33460sqmt.  
TOTAL BUILDUP AREA:- 47,575sqmt.

GROUND FLOOR AREA:- 1,912sqmt.  
AREA UPTO 25<sup>TH</sup> FLOOR:- 1,630sqmt.  
26<sup>TH</sup> FLOOR:- 1,890sqmt.  
27<sup>TH</sup> FLOOR:- 830sqmt.  
28<sup>TH</sup> FLOOR:- 310sqmt.  
AREA OF ONE UNIT:- 39sqmt.

NUMBER OF ROOMS:- 824  
NORMAL ROOMS:- 200  
DELUX ROOMS:- 416  
ULTRA DELUX ROOMS:- 184



5 STAR HOTEL

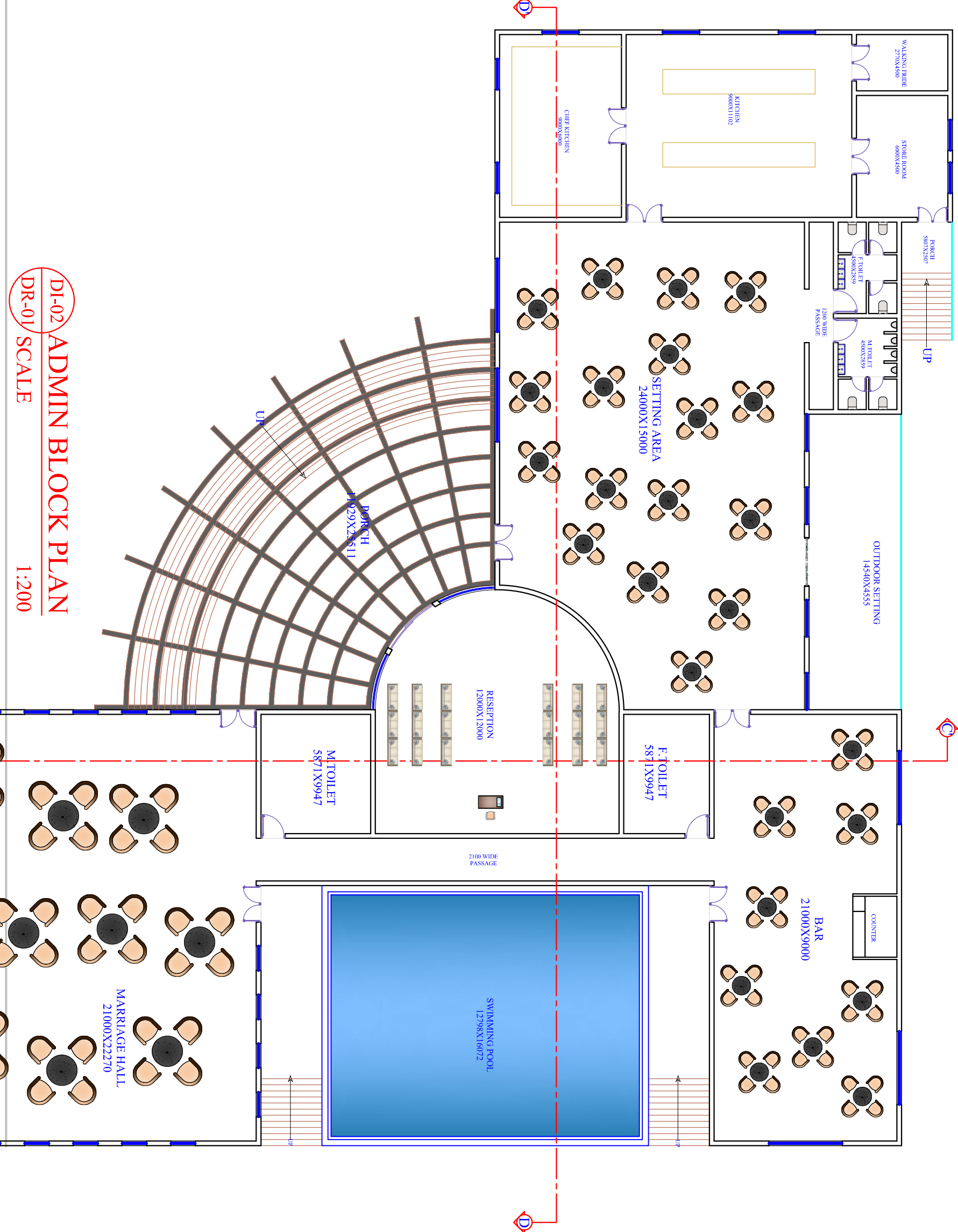
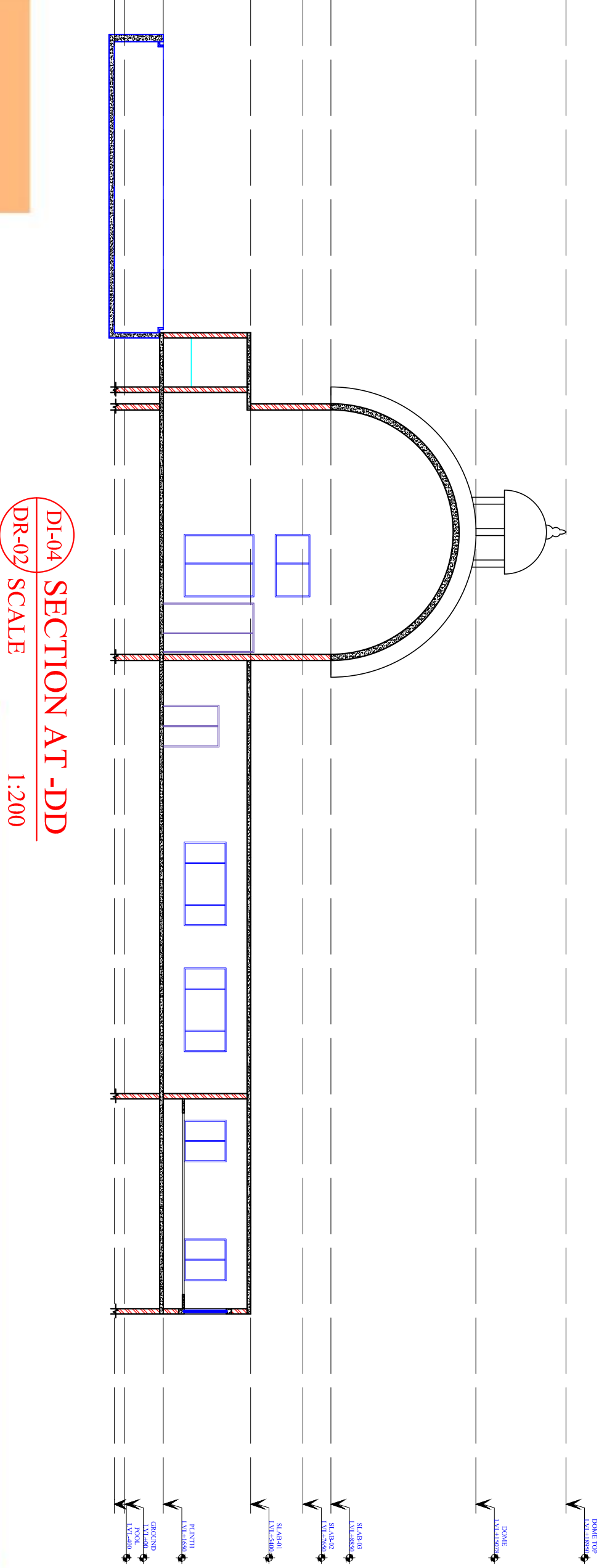
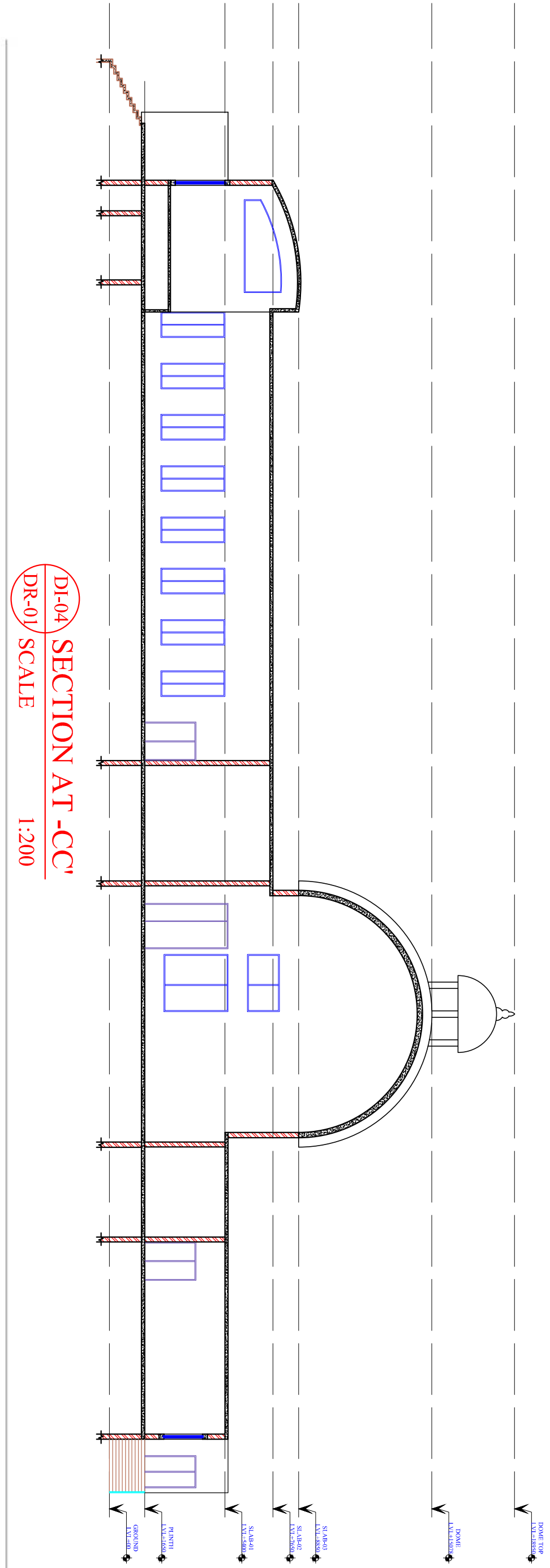
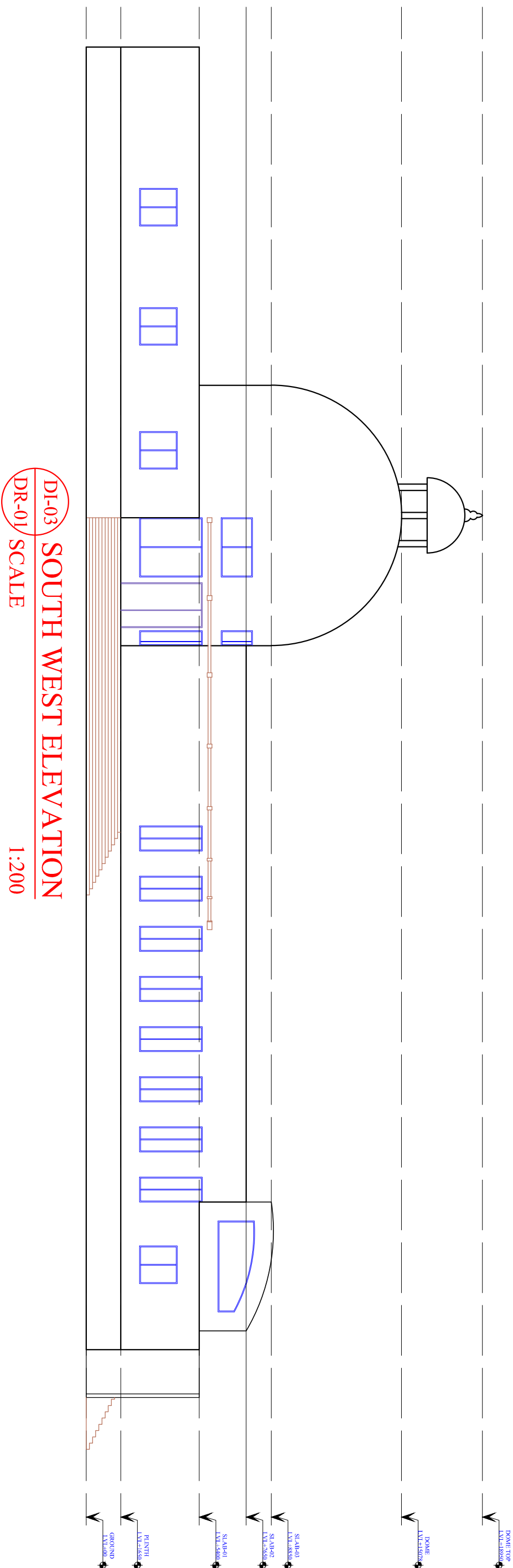
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AREA:-1710 sqmt.



5 STAR HOTEL Ar.Shailesh k. Yadav

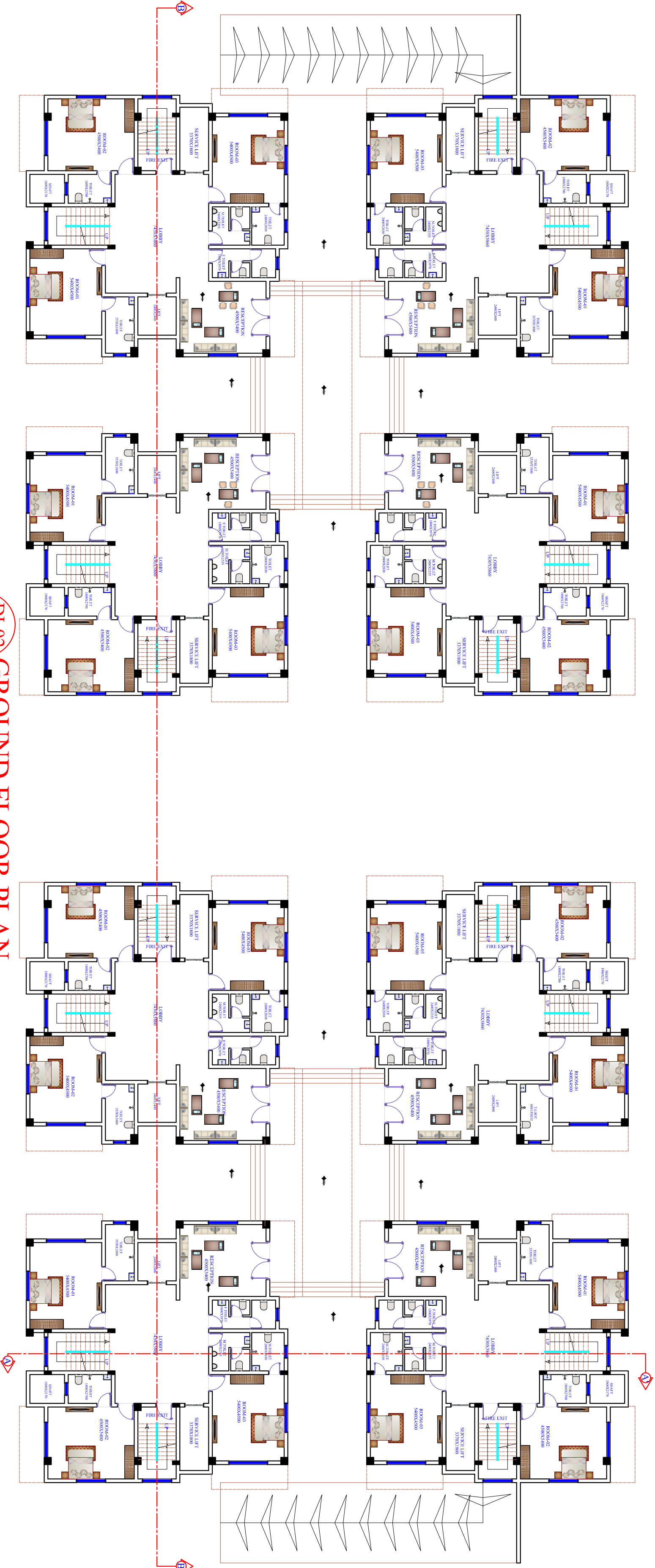
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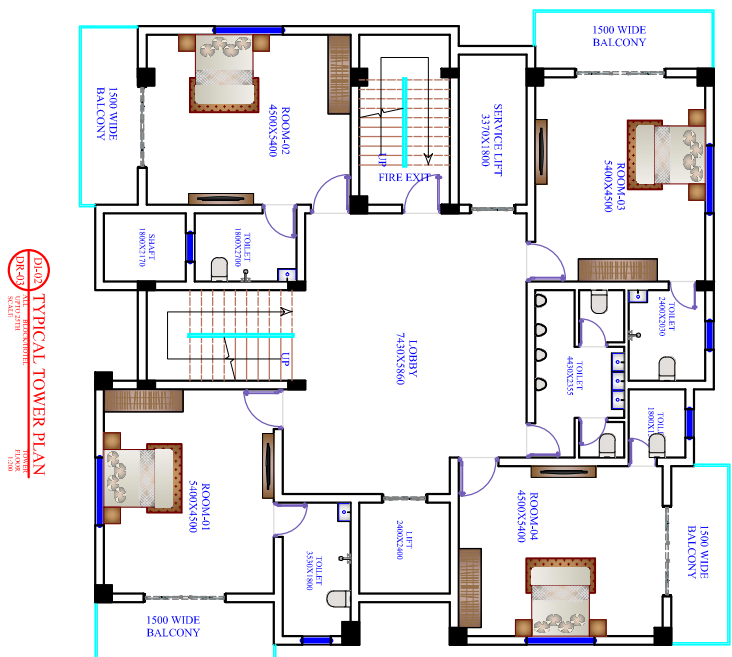
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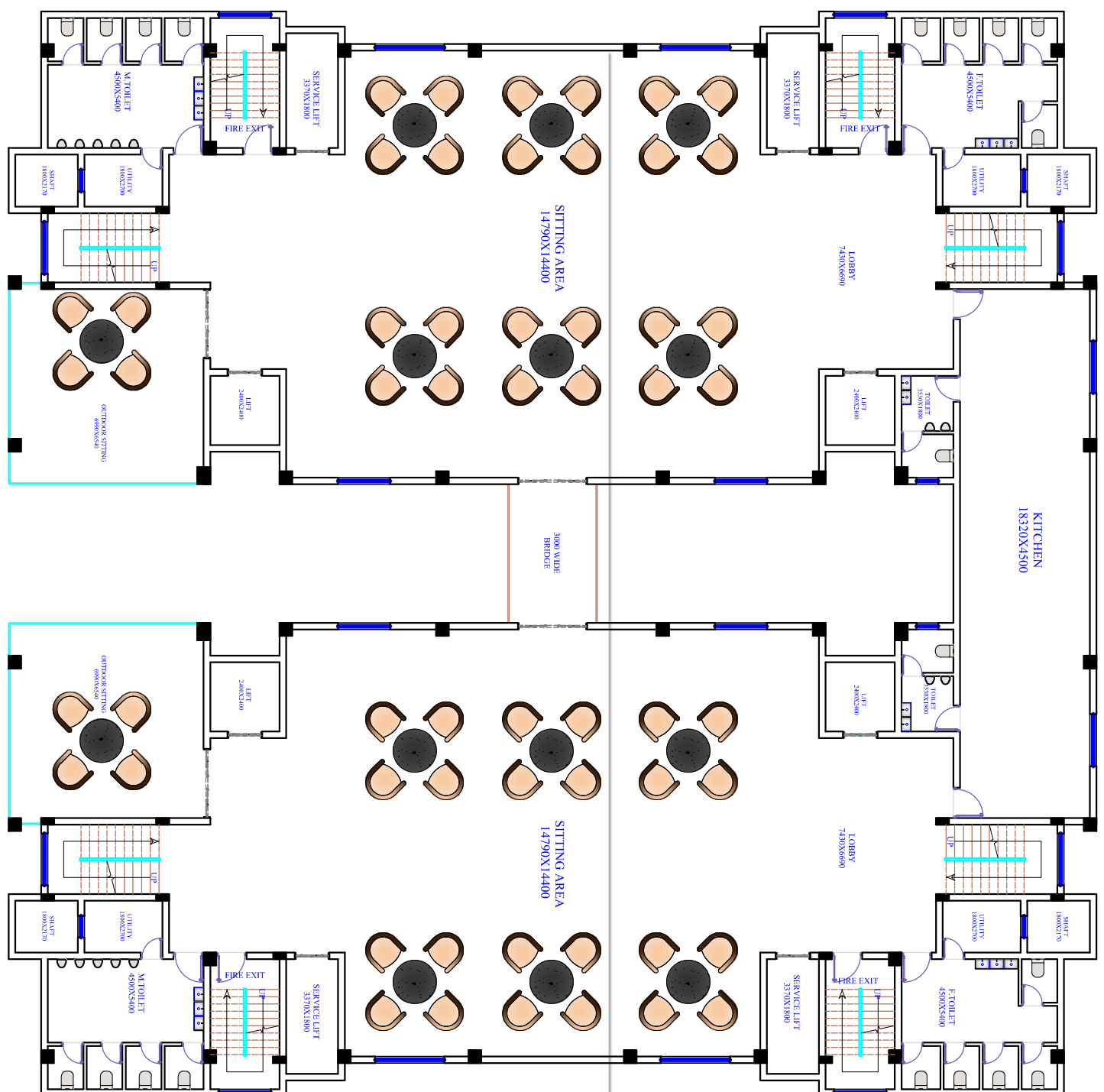




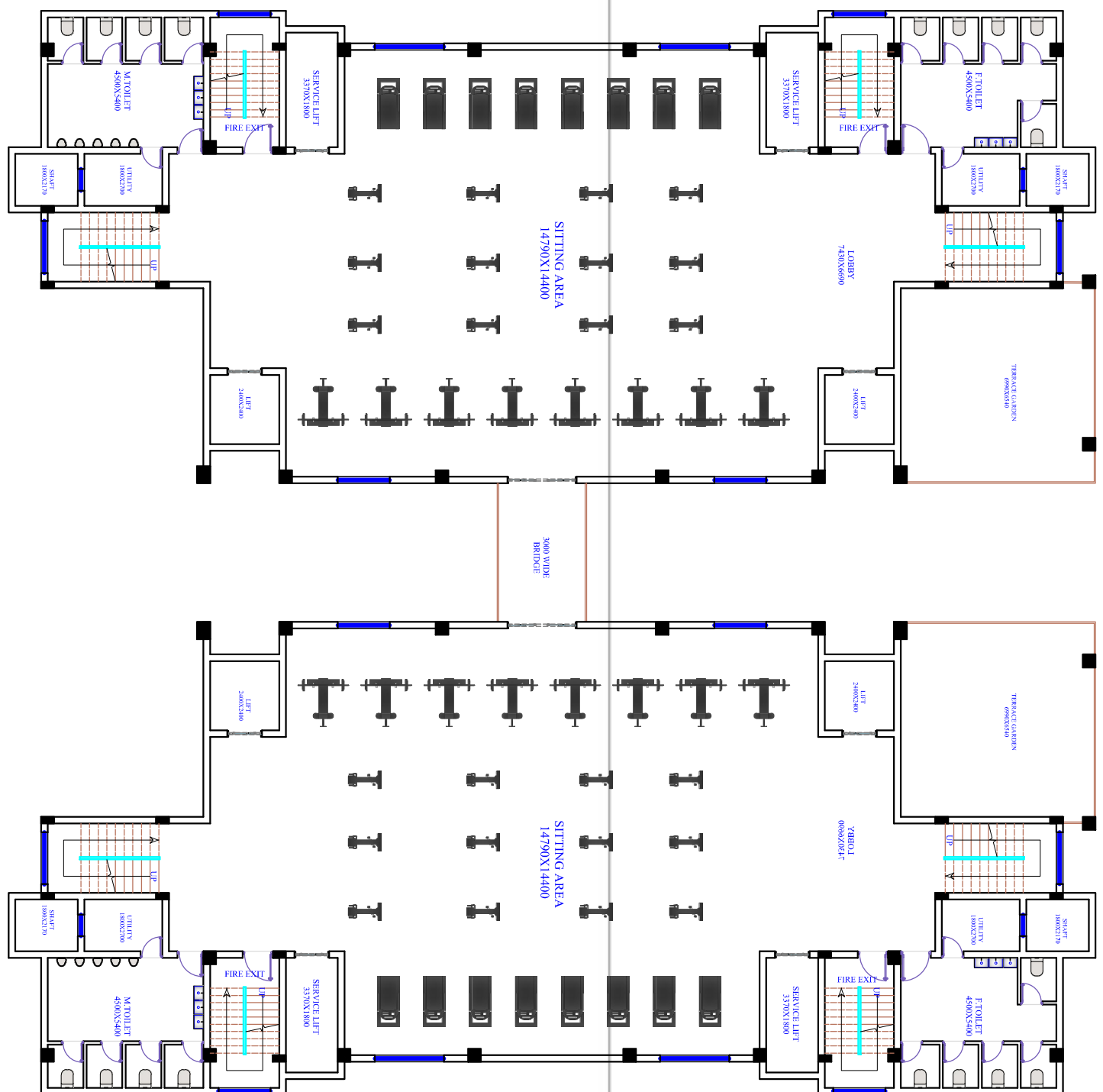
DI-02 GROUND FLOOR PLAN  
DR-02 SCALE 1:200



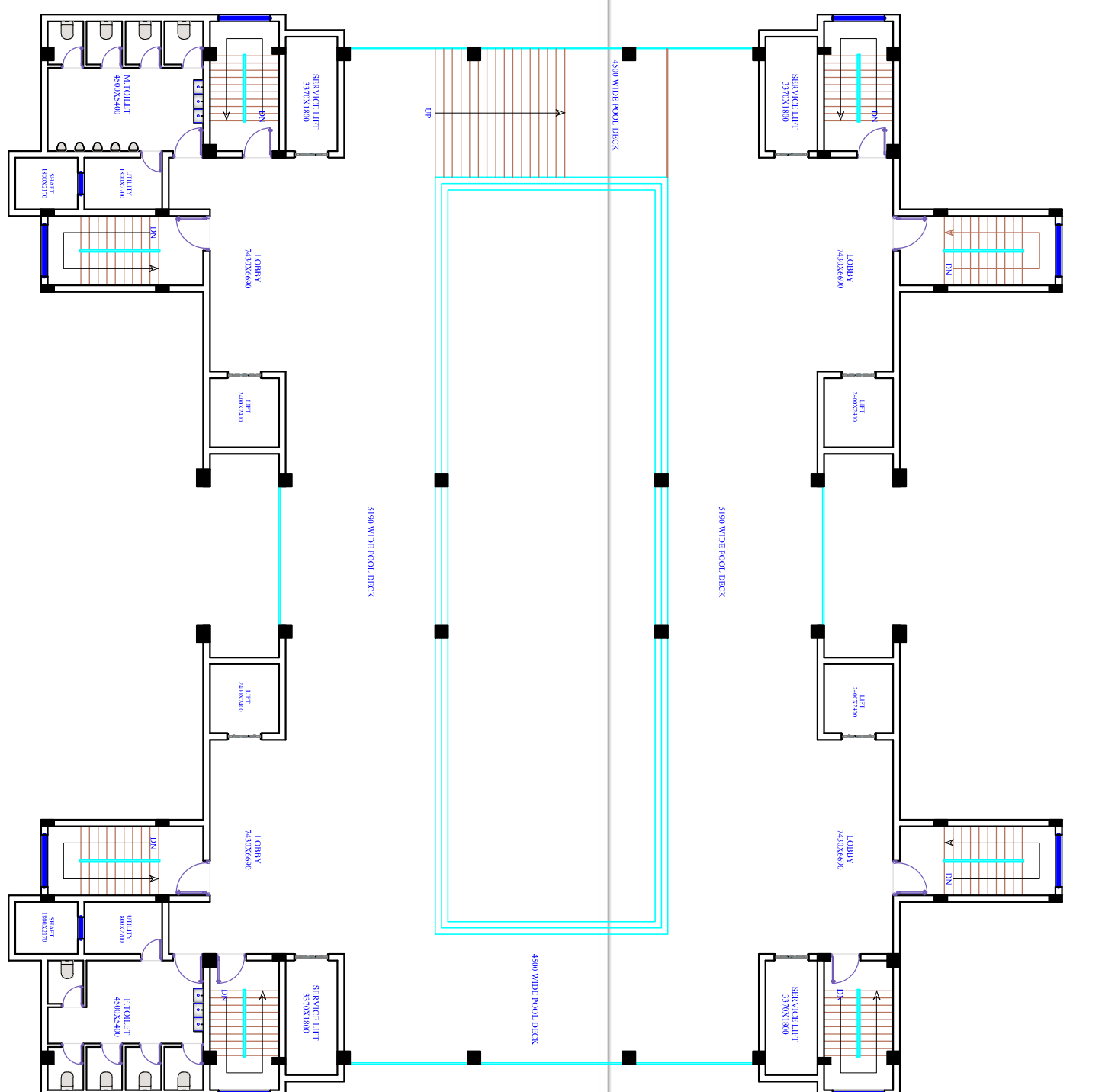
TOTAL BUILDUP AREA:- 45,692sqmt.  
GROUND FLOOR AREA:- 1,912sqmt.  
AREA UPTO 25<sup>TH</sup> FLOOR:- 1,630sqmt.  
26<sup>TH</sup> FLOOR:- 1,890sqmt.  
27<sup>TH</sup> FLOOR:- 830sqmt.  
28<sup>TH</sup> FLOOR:- 310sqmt.  
NUMBER OF ROOMS:- 824



DI-02 TYPICAL RESTORENT PLAN  
DR-04 26TH FLOOR-  
SCALE 1:200



DI-02 TYPICAL GYM PLAN  
DR-05 27TH FLOOR-  
SCALE 1:200



DI-02 TYPICAL POOL PLAN  
DR-06 28TH FLOOR-  
SCALE 1:200



5 STAR HOTEL

Ar.Shailesh k. Yadav

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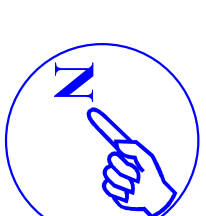
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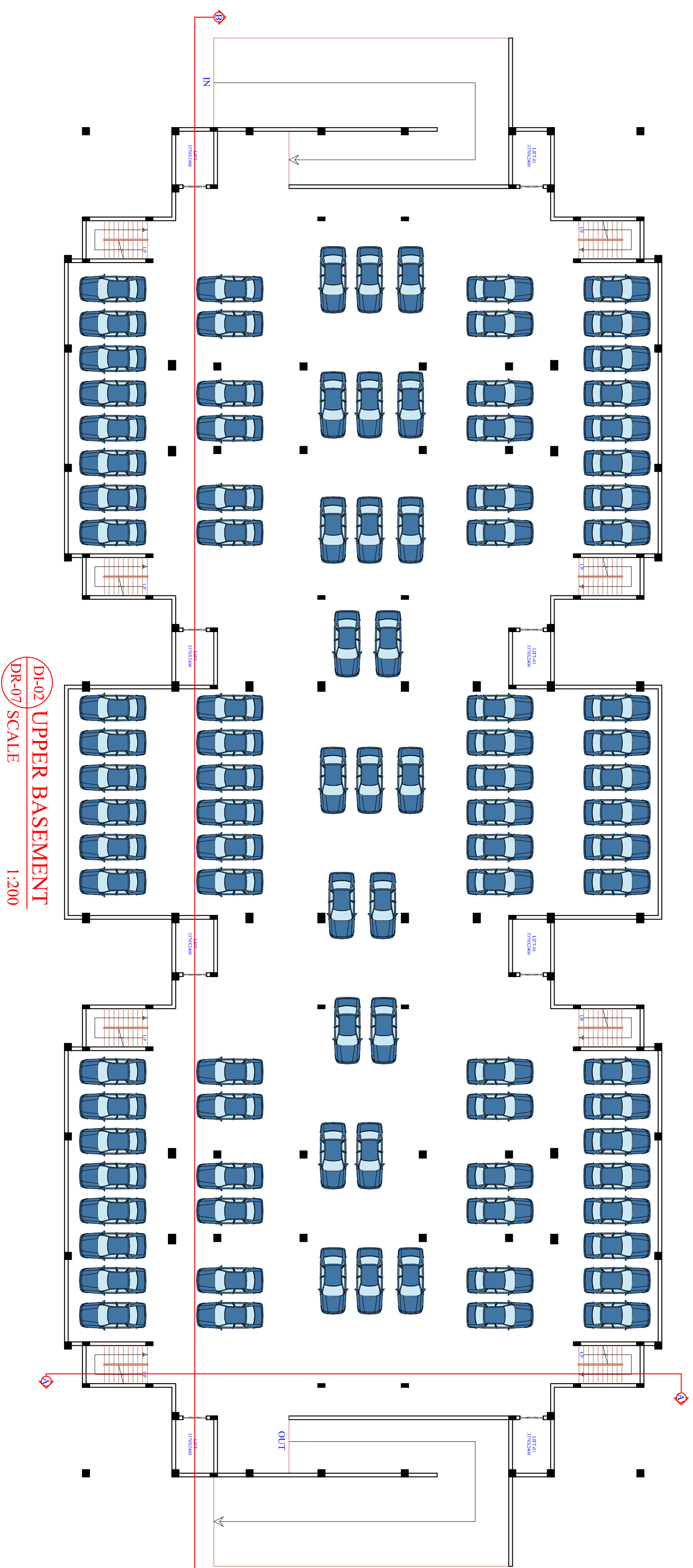
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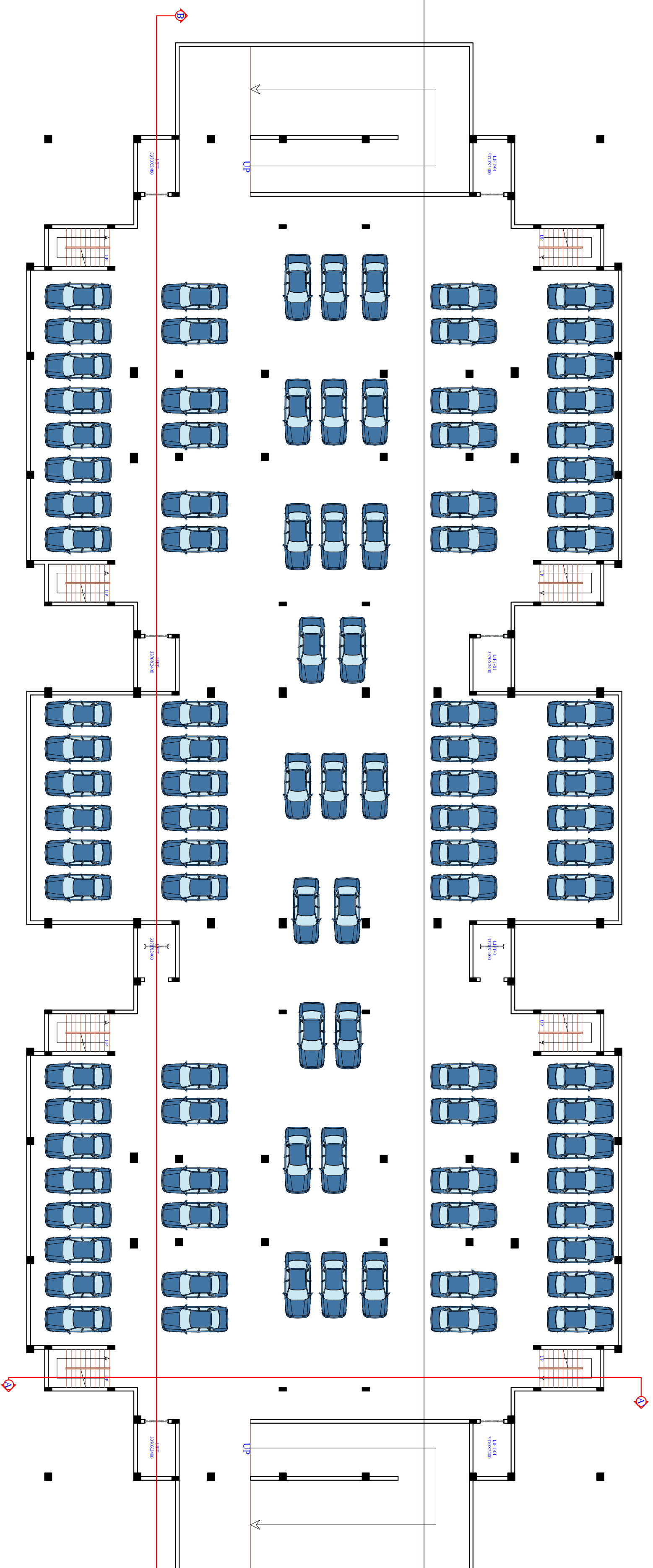


# BASEMENT PLAN

 SHEET NO:- 05



DI-02 UPPER BASEMENT  
DR-07 SCALE 1:200



DI-02 LOWER BASEMENT  
DR-08 SCALE 1:200



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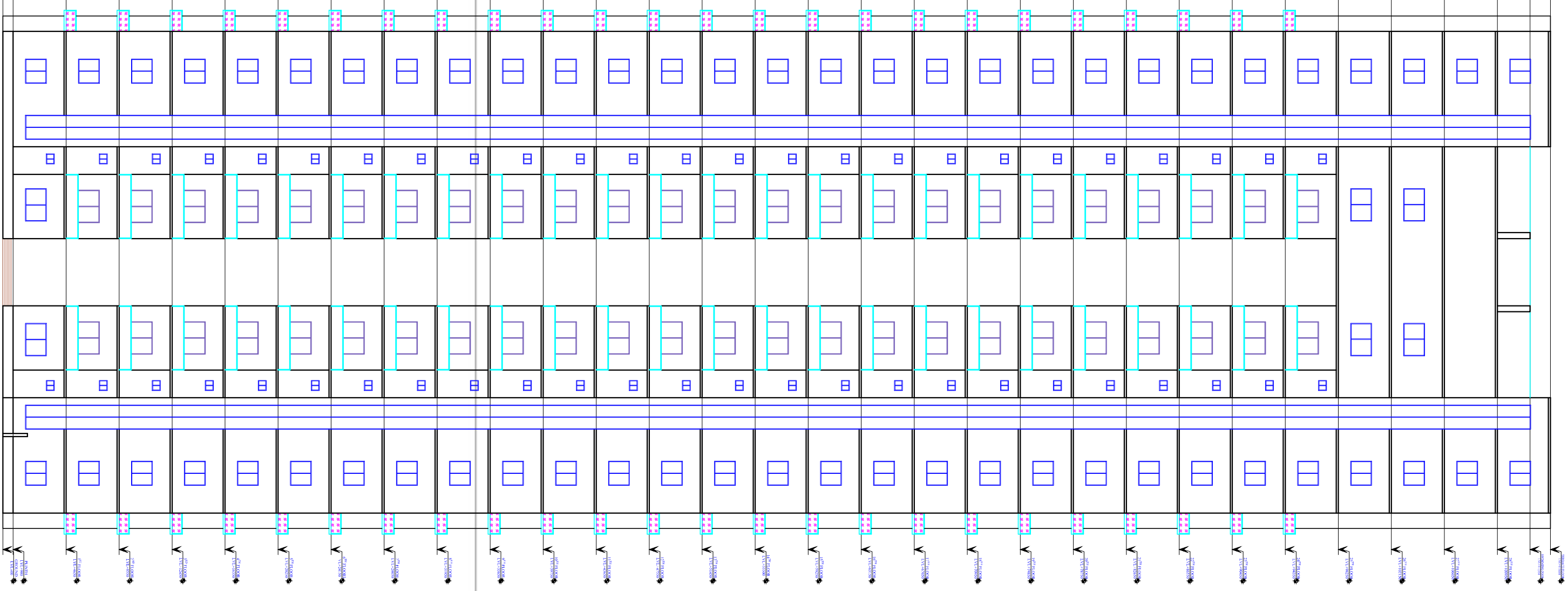
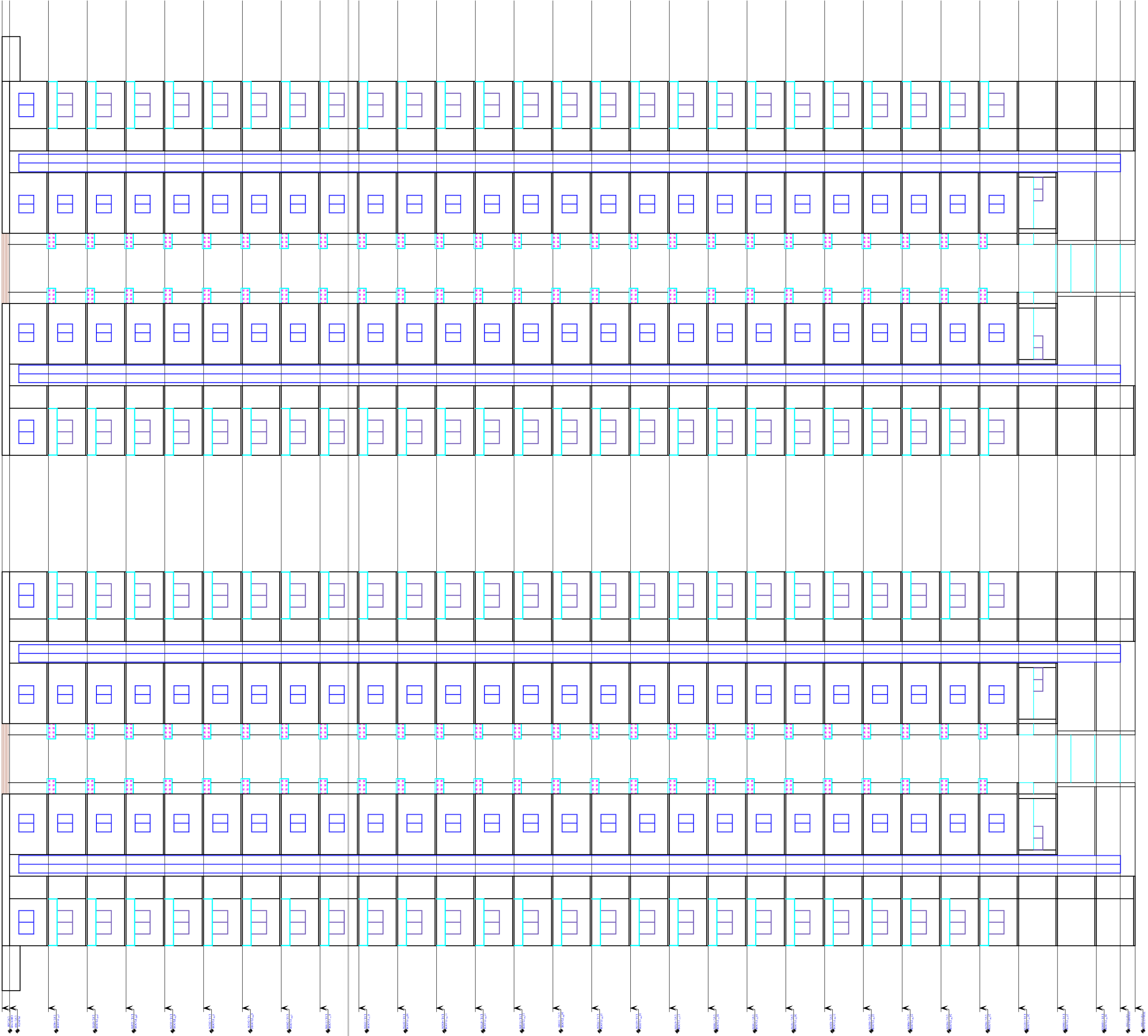
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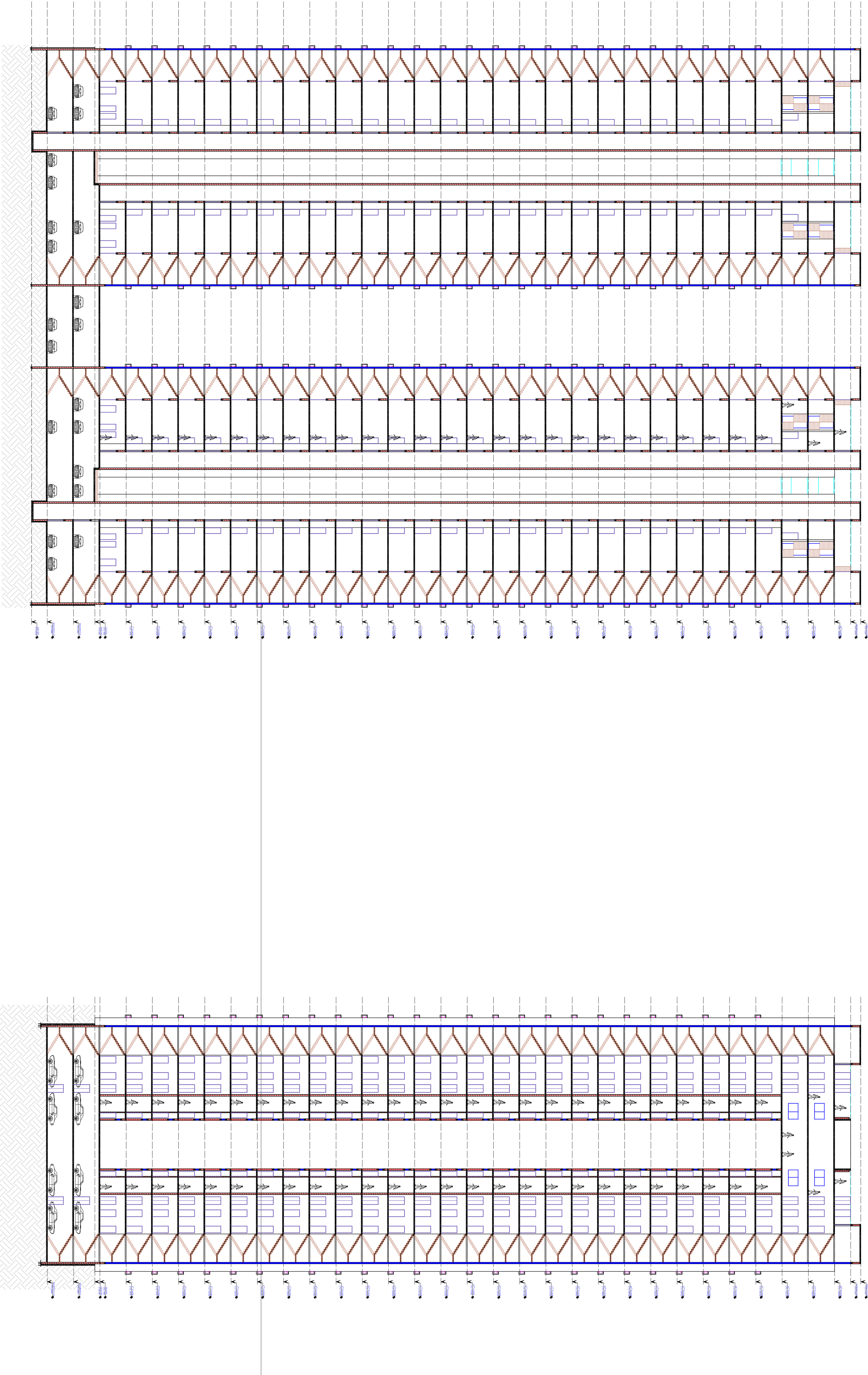




DR-03 ELEVATION-1  
DR-02 NORTH WEST

DR-03 ELEVATION-2  
DR-02 SOUTH EAST





SECTION-AA'

SECTION-AA'



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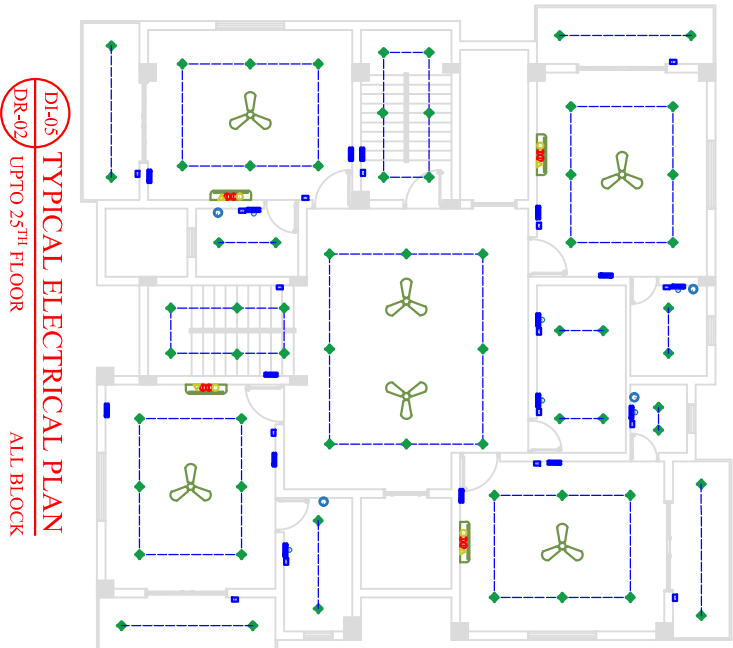
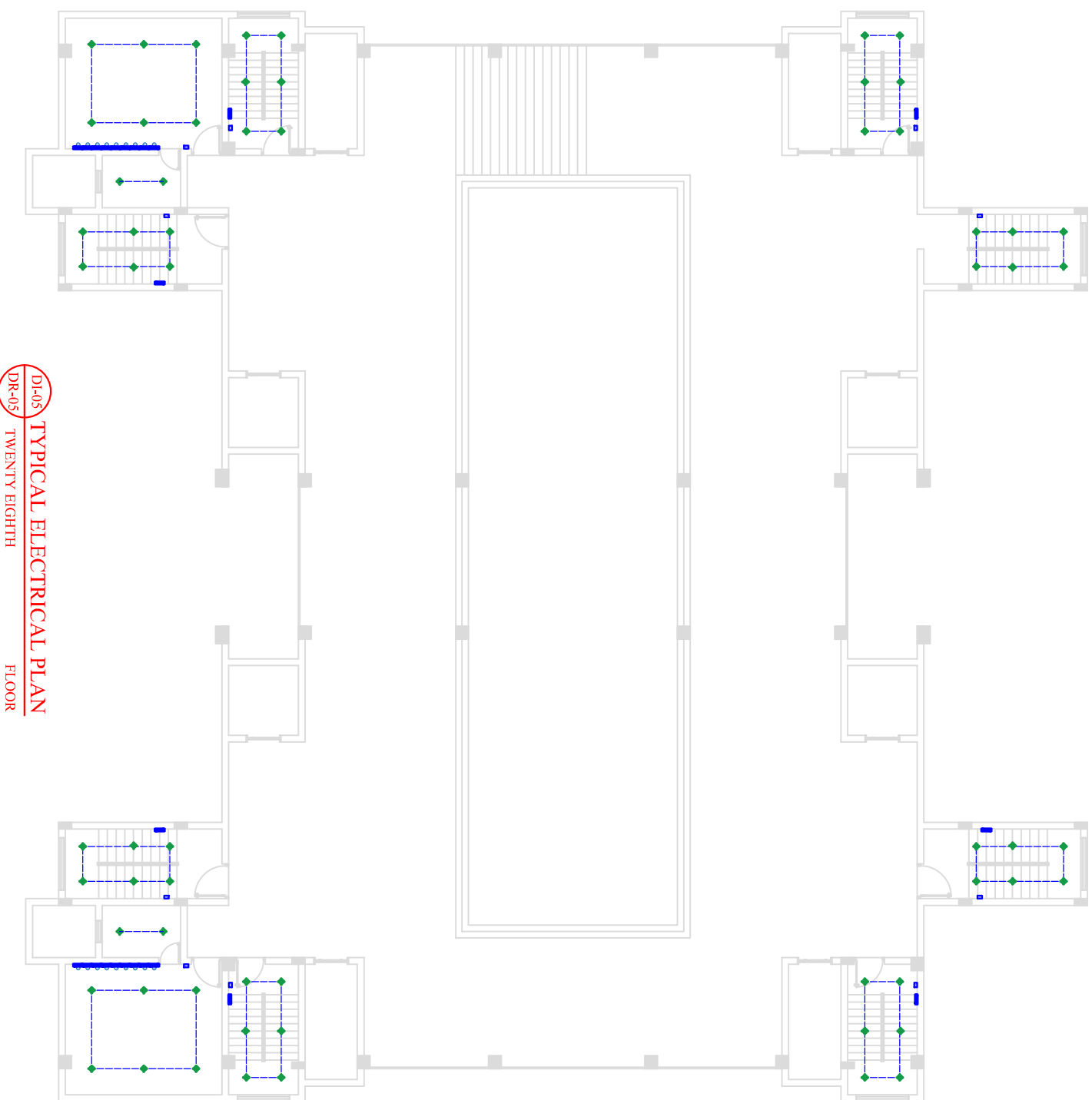
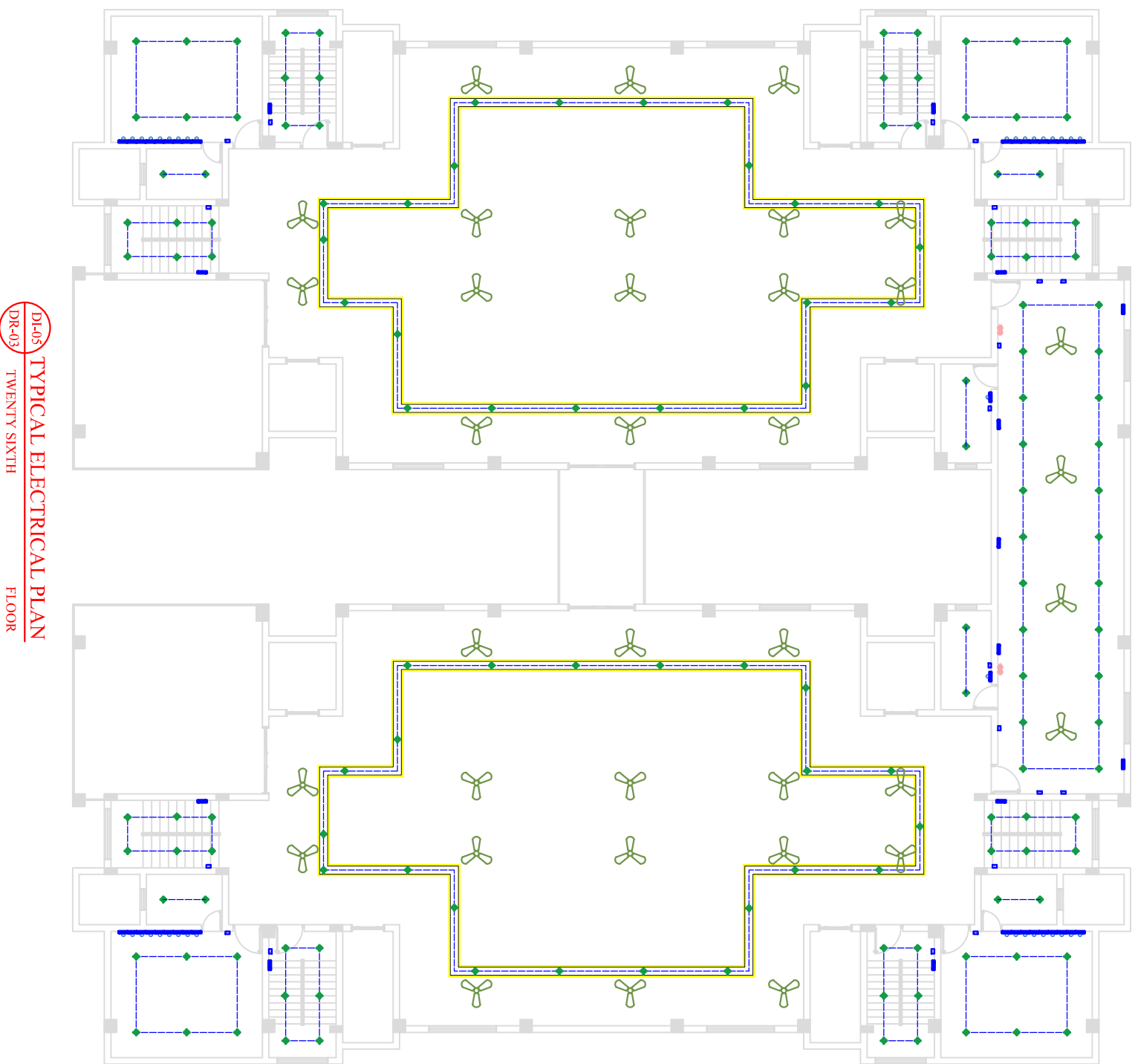
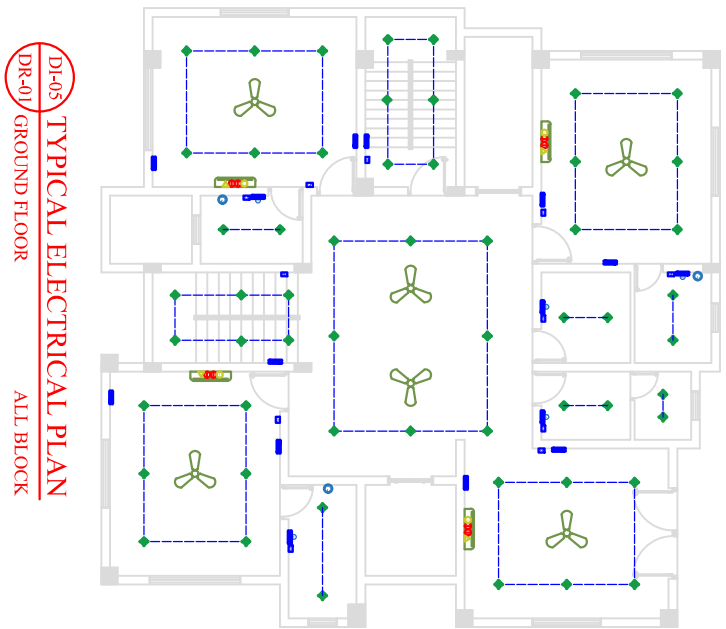
Sector-J, Basant Kunj, Hardoi Road
















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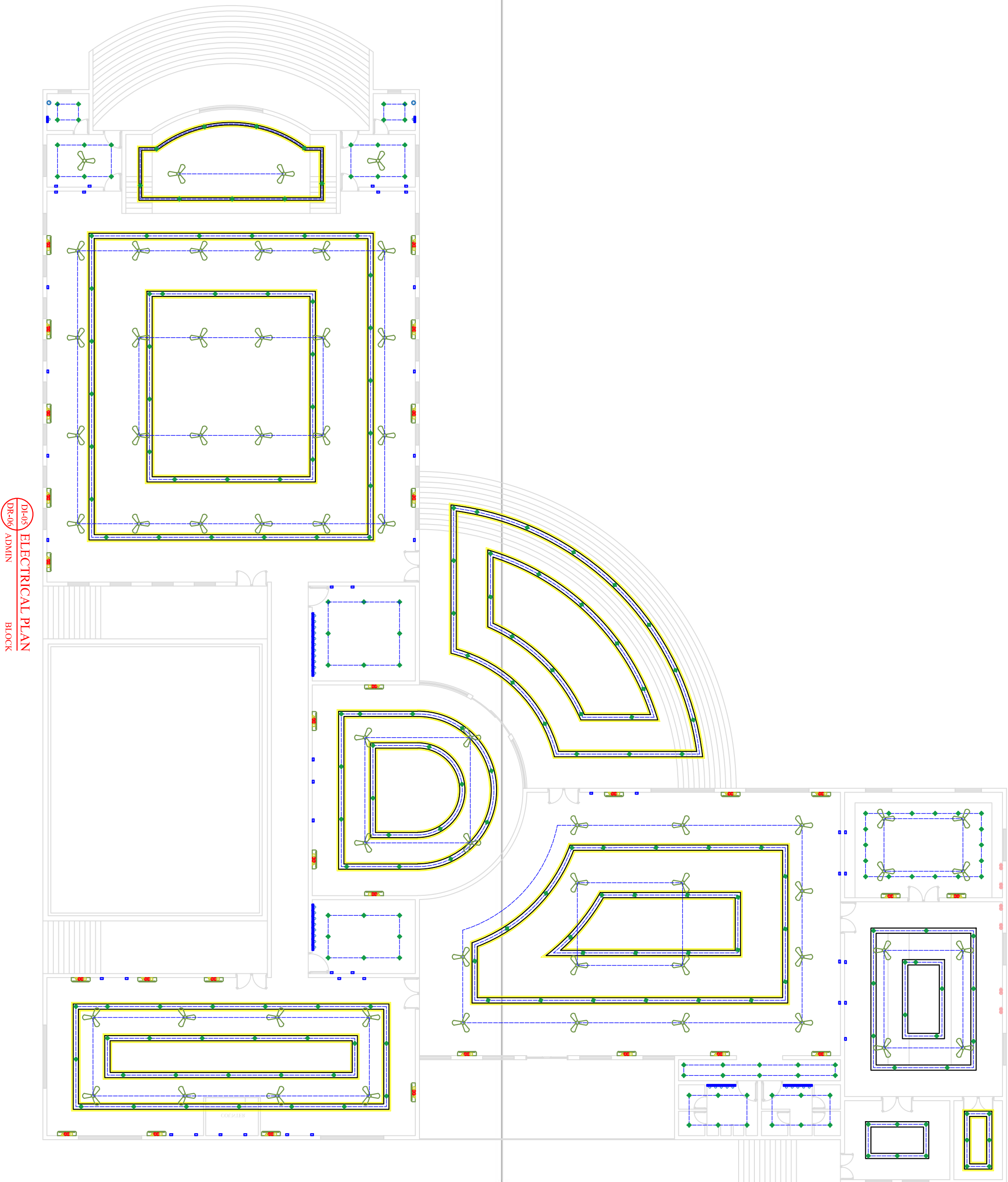
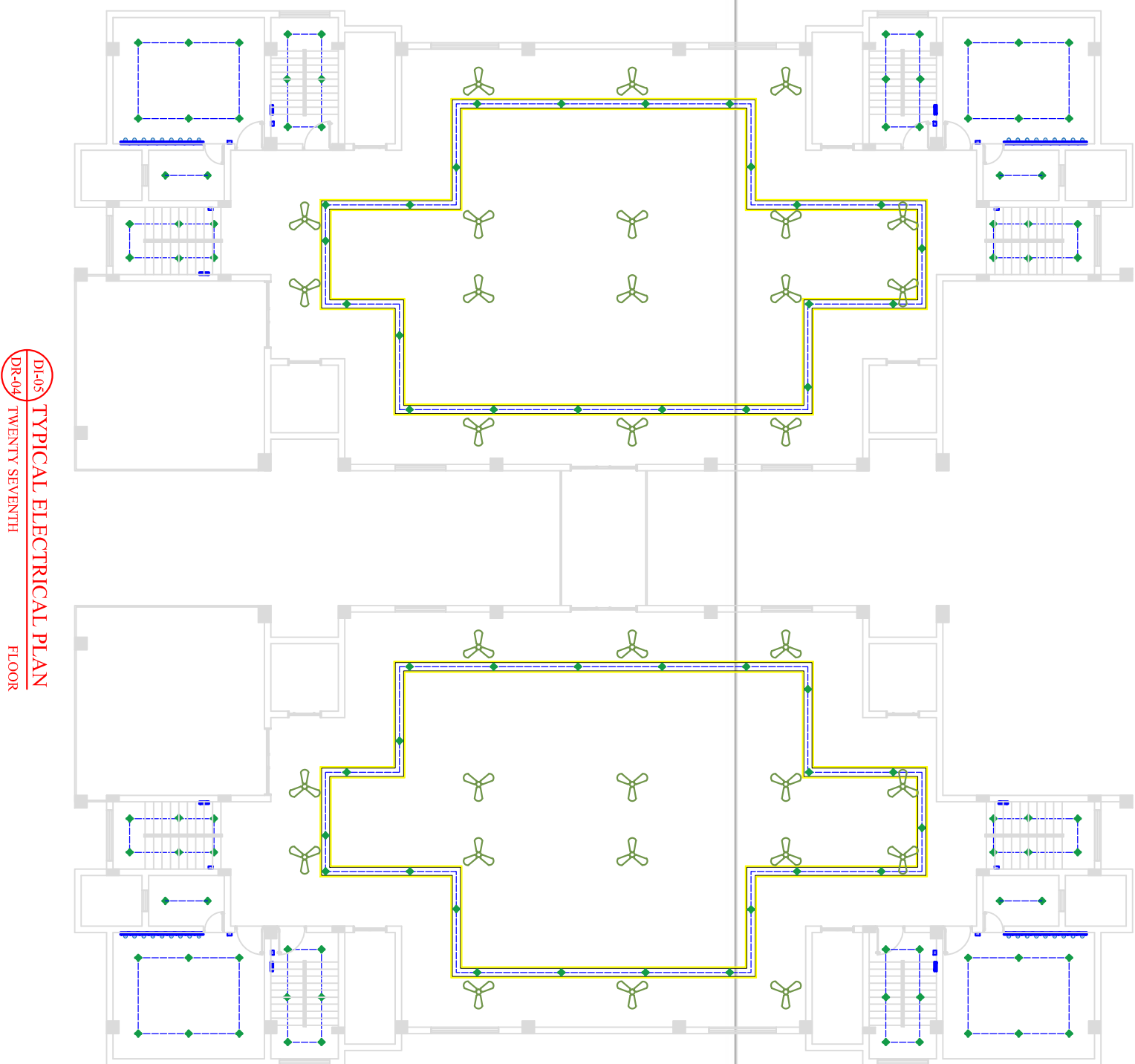
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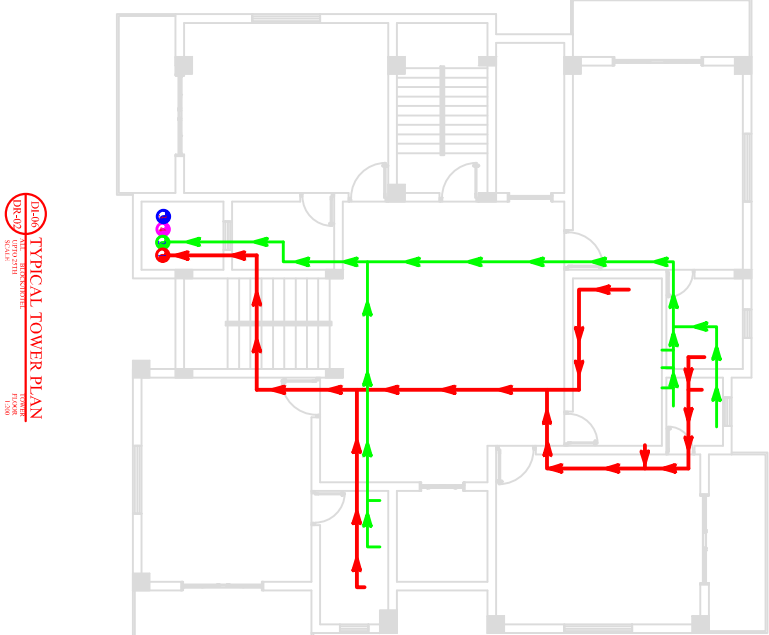
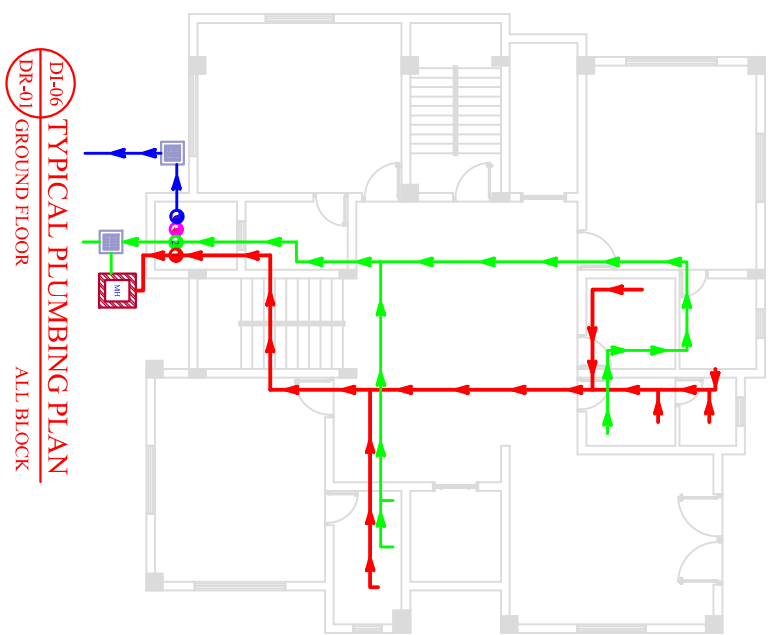













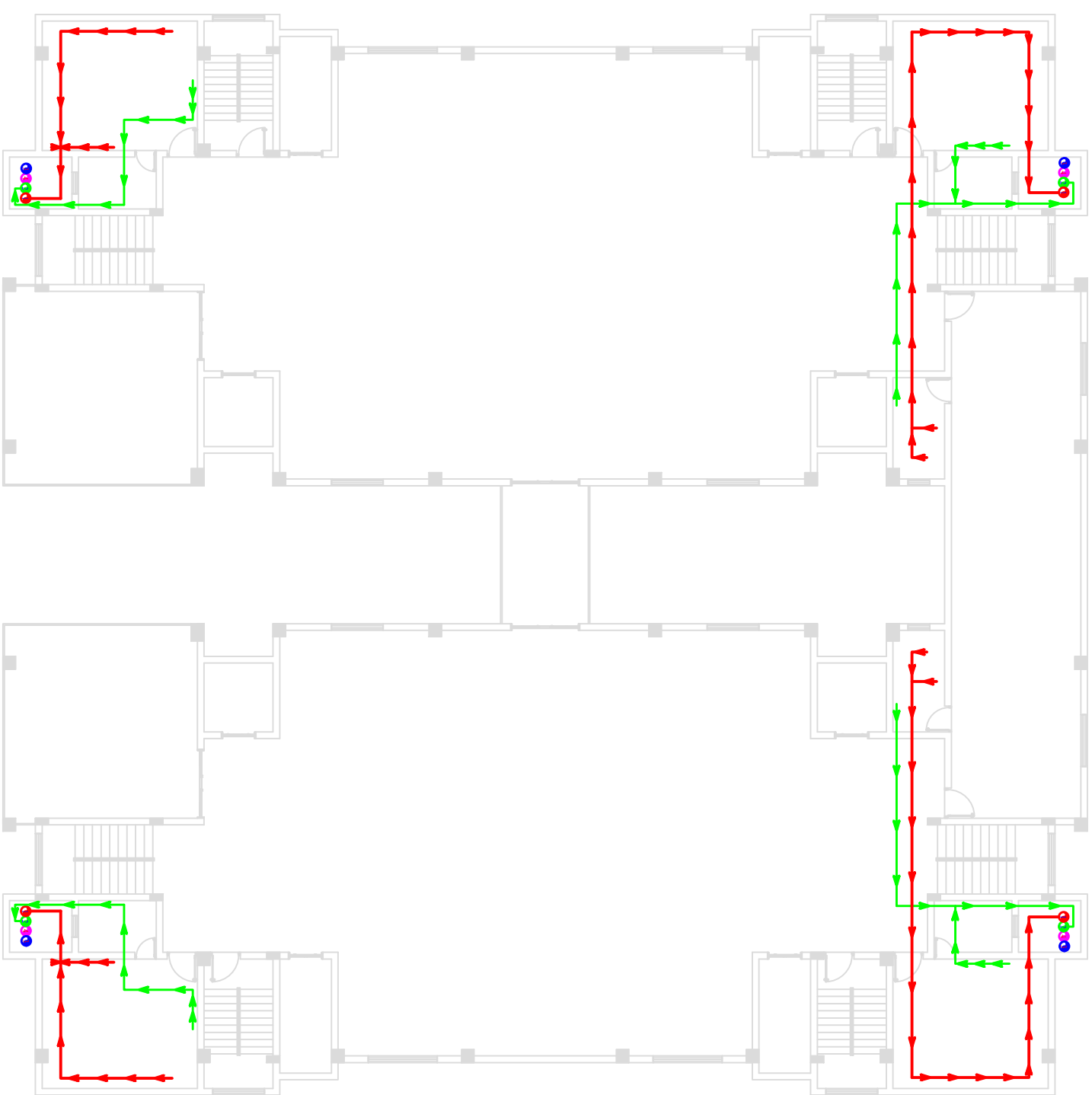
S.No	SYMBOL	DESCRIPTION	POSITION
1		CEILING LIGHT	C.LEVEL
2		CEILING FAN	C.LEVEL
3		SWITCH BOARD	600
4		5 -AMP MULTIPIN SOCKET OUTLET	600
5		5 -AMP MULTIPIN SOCKET OUTLET	1050
6		5 -AMP MULTIPIN SOCKET OUTLET	1800
7		5 -AMP MULTIPIN SOCKET OUTLET	600
8		5 -AMP MULTIPIN SOCKET OUTLET	1050
9		5 -AMP MULTIPIN SOCKET OUTLET	1800
10		5 -AMP MULTIPIN SOCKET OUTLET	60
11		5 -AMP MULTIPIN SOCKET OUTLET	2550
12		5 -AMP MULTIPIN SOCKET OUTLET	1200
13		5 -AMP MULTIPIN SOCKET OUTLET	600
14		5 -AMP MULTIPIN SOCKET OUTLET	2400
15		5 -AMP MULTIPIN SOCKET OUTLET	2400



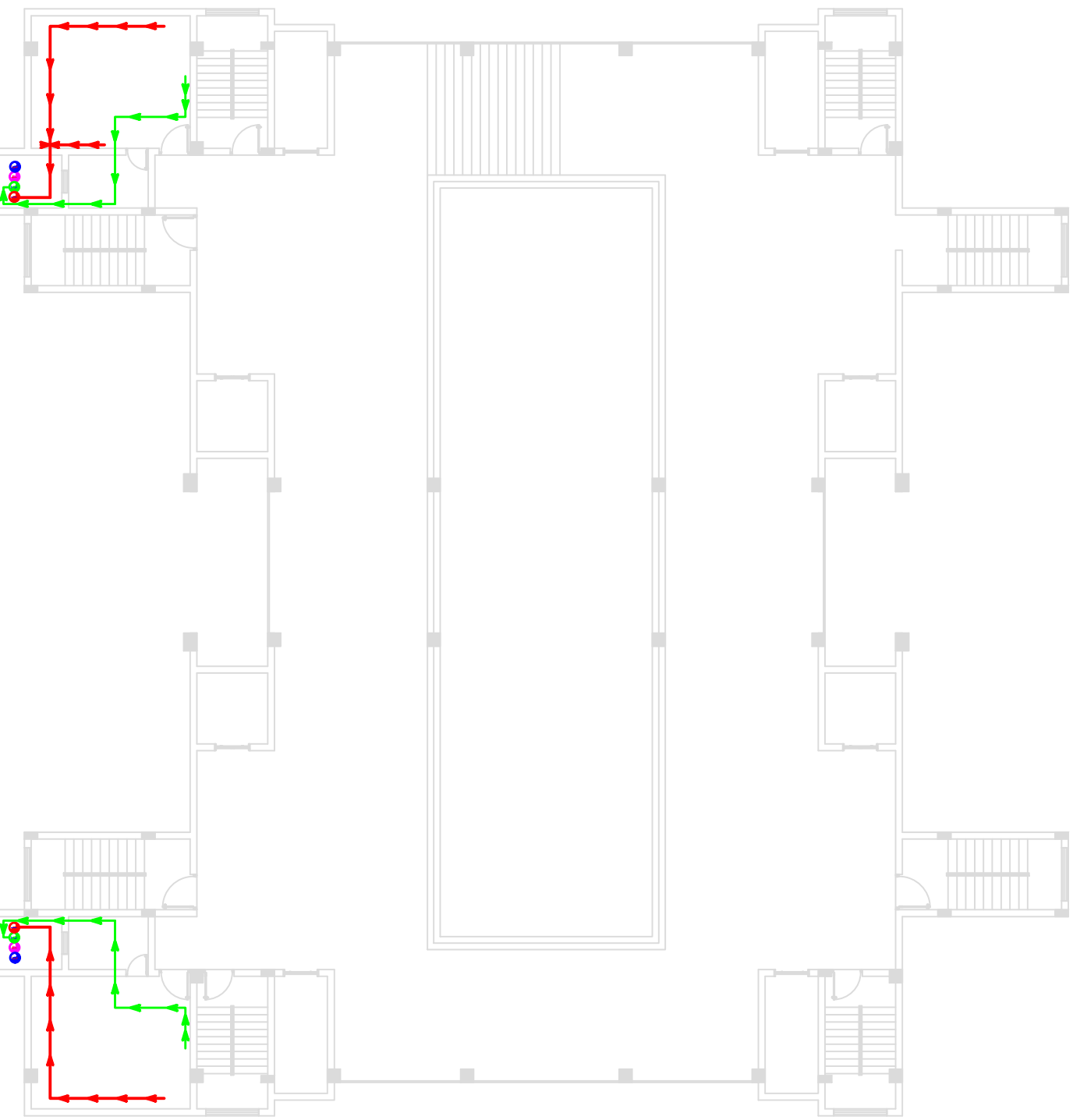




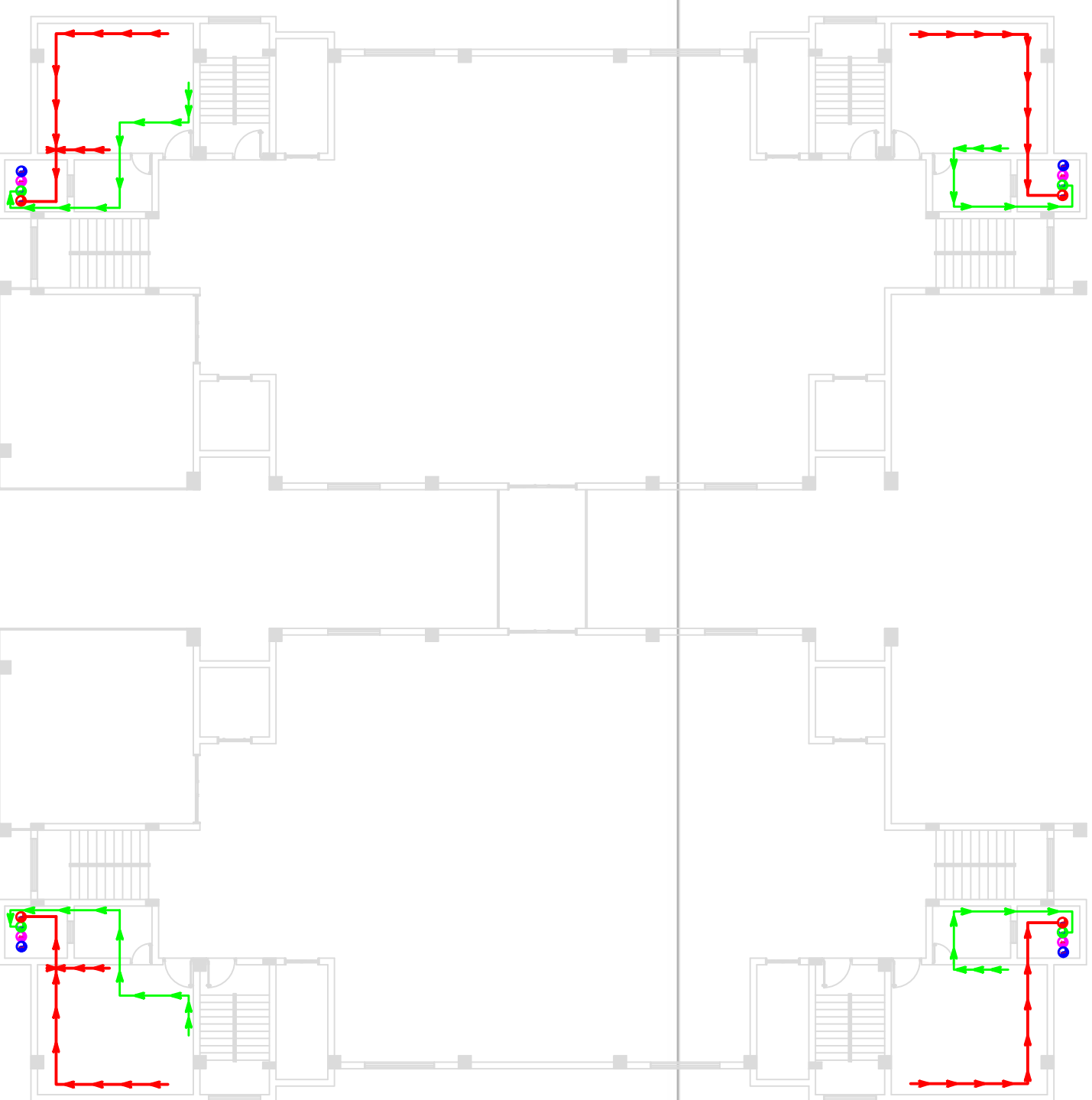
SR. NO.	SYMBOL	DISCRPTION
1		110(OD) uPVC SOIL / WASTE & VENT PIPE
2		110(OD) uPVC KITCHEN WASTE & VENT PIPE
3		75(OD) uPVC ANTI-SYPHONIC PIPE
4		DOMESTIC WATER SUPPLY
5		MANHOLE
6		SINK
7		TAP
8		URINAL
9		W.C.



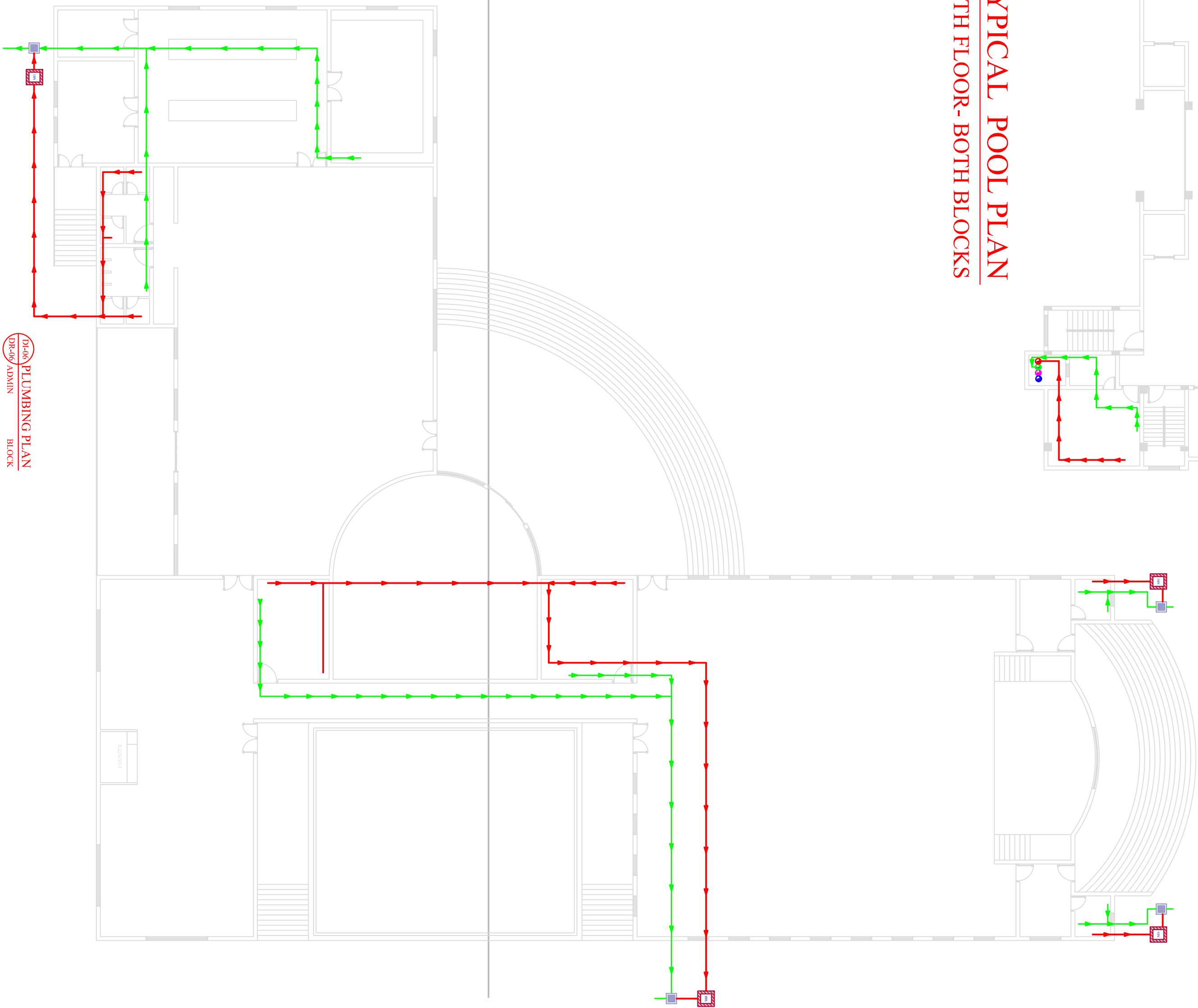
DI-06 TYPICAL RESTRORENT PLAN  
DR-03 26TH FLOOR- BOTH BLOCKS



DI-06 TYPICAL POOL PLAN  
DR-05 28TH FLOOR- BOTH BLOCKS



DI-06 TYPICAL GYM PLAN  
DR-04 27TH FLOOR-BOTH BLOCKS



DI-06 TYPICAL PLUMBING PLAN  
DR-04 27TH FLOOR-BOTH BLOCKS







**5 STAR HOTEL**

**Ar.Shailesh k. Yadav**

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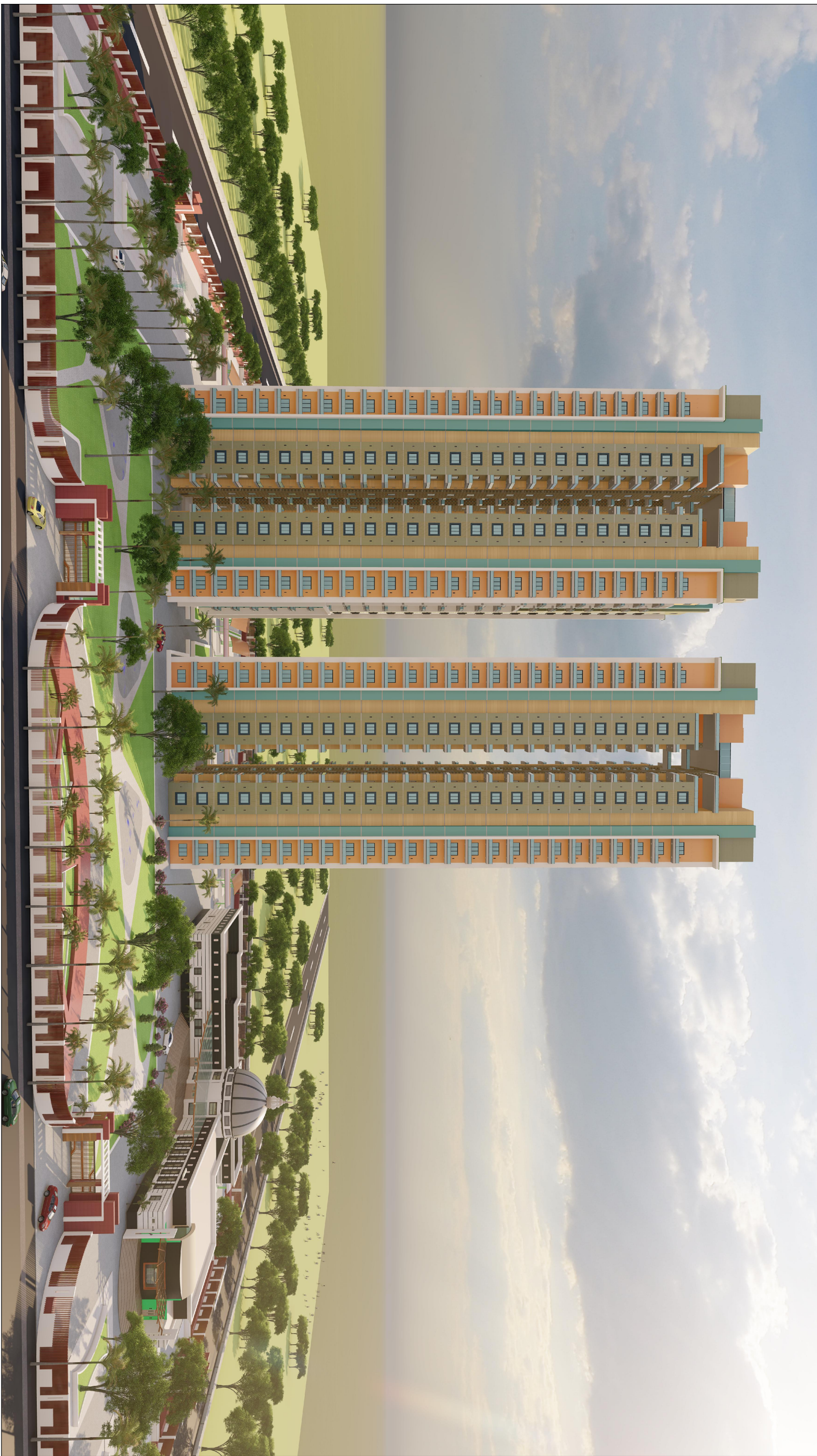
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