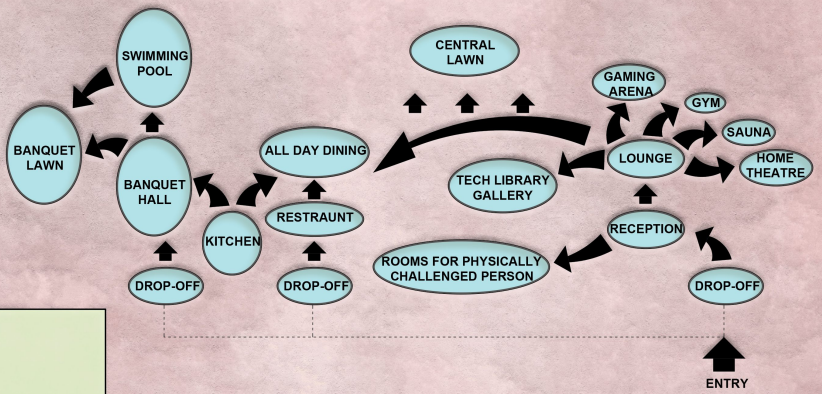
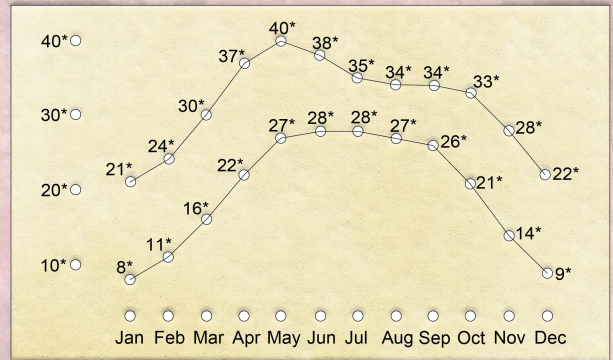


# HOTEL ATRIA

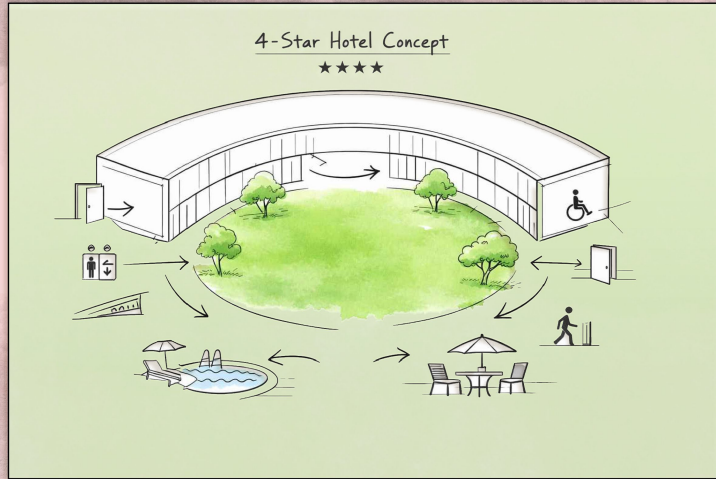
"The name Hotel Atria is inspired by the architectural concept of an atrium, which represents a central open space that connects people with nature and light. In this design, the C-shaped building surrounds a central green lawn, creating an inner environment that encourages interaction, relaxation, and visual connectivity. This spatial arrangement enhances accessibility and inclusivity while allowing natural light, ventilation, and landscape to become an integral part of the guest experience."



**BUBBLE DIAGRAM**

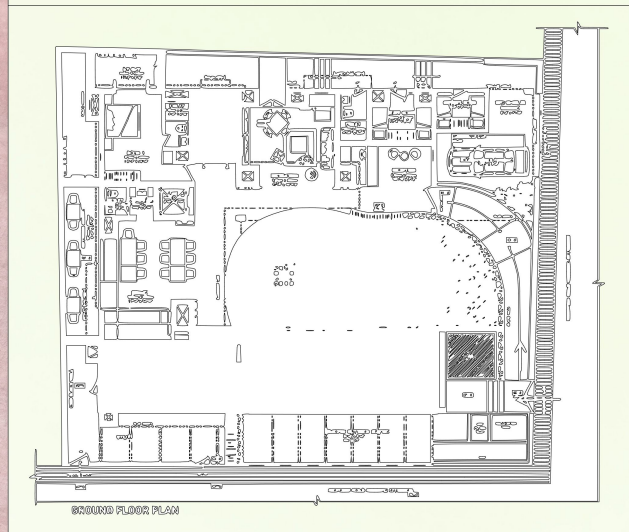


- BARSANA COMES UNDER COMPOSITE CLIMATE BECAUSE THIS CLIMATE HAS A CHARACTERISTICS OF HOT AND DRY, WARM AND HUMID, AND COLD CLIMATES.
- THE CLIMATE CHANGES FROM SEASON TO SEASON, ALTERNATING BETWEEN LONG, HOT, AND DRY PERIODS TO SHORTER PERIODS OF RAINFALL AND HIGH HUMIDITY.
- NEEM TREE (AZADIRACHTA INDICA) ARE THE MOST PREVALENT TREES IN BARSANA OR THE NEAR SURROUNDING.



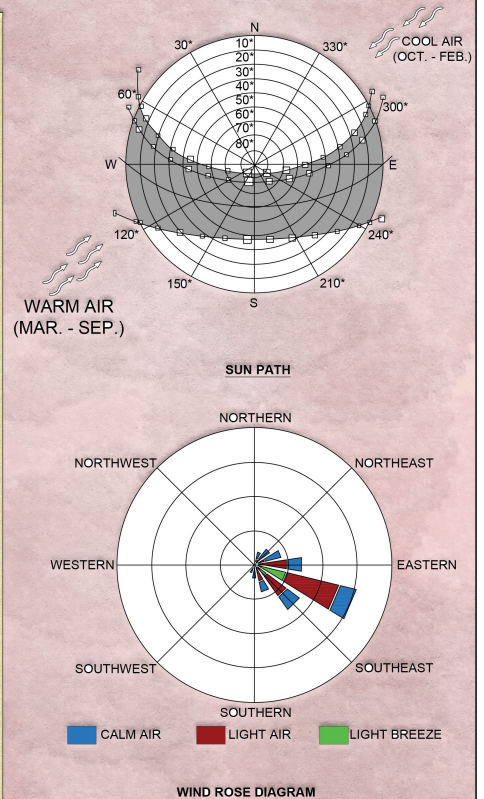
CASE STUDY	INFERENCE
SENSE OF ARRIVAL	Gradual entry sequence creating calm, welcoming experience.
SITE CIRCULATION	Clear pedestrian paths with minimal vehicular disturbance.
PARKING STRATEGIES	Parking placed peripherally to maintain natural landscape.
RELATION OF BUILT AND OPEN SPACES	Buildings integrated with surrounding greenery and open courts.
HIERARCHY OF SPACES	Gradual transition from public to private zones.
CIRCULATION BETWEEN SPACES	Open walkways connecting rooms and common spaces.
DIFFERENT ENTRIES ACCORDING TO USER MATRIX	Separate access for guests, staff, and services.
COMMUNITY INTERACTION SPACES	Shared courtyards encouraging social interaction and gathering.
STREET INTERFACE	Subtle frontage blending architecture with natural surroundings.

**MASTER PLAN OF SUNYATA ECO HOTEL, CHIKMAGALUR**



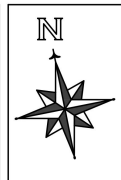
**FORM DEVELOPMENT DIAGRAM**

- A RECTANGULAR FORM IS INTRODUCED AS THE INITIAL BUILDING MASS ON THE SITE.
- THE MASS IS CARVED TO CREATE A C-SHAPED FORM AROUND A CENTRAL OPEN SPACE.
- THE FRONT EDGE IS TAPERED AND CUT TO DEFINE THE ENTRANCE AND IMPROVE VISUAL OPENNESS.
- VERTICAL DEVELOPMENT IS ADDED, CREATING VARYING HEIGHTS AND AN L-SHAPED UPPER FORM.



- NOTE**
- ALL DIMENSIONS ARE IN MM, UNLESS MENTIONED OTHERWISE.
  - DIMENSIONS TO BE READ NOT TO BE SCALED.
  - IN CASE OF ANY DISCREPANCY, CONTACT CONCERNED DESIGNER.

**4 STAR HOTEL**  
 250 KEYS HOTEL AT BARSANA, U.P.  
 TITLE - CONCEPT SHEET



VANSH JAIN  
 GCAD/22/125  
 BATCH 2022-27

DCRUST ROLL No.  
 22009006025

SCALE - N.T.S.  
 SHEET No. : 1  
 DATE : 14-03-2026

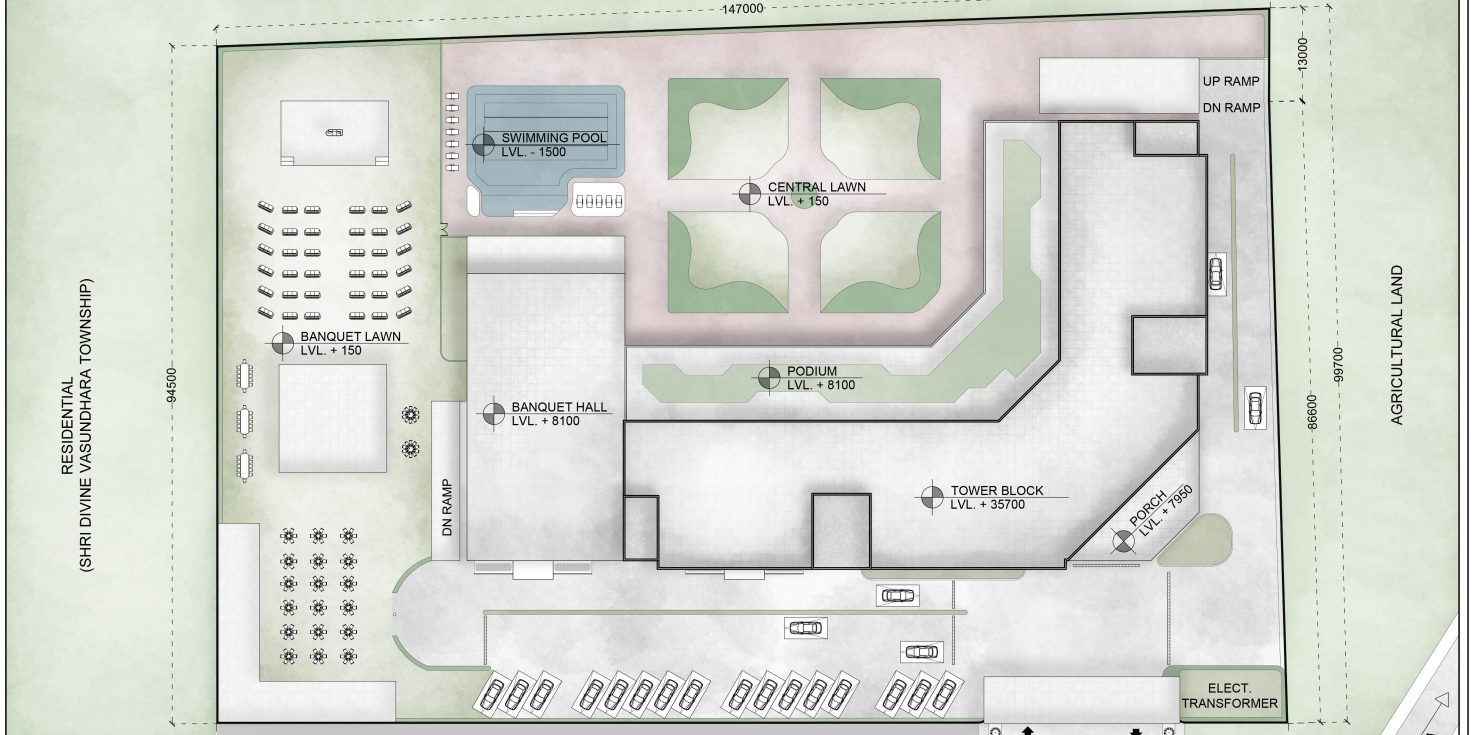
ARCHITECTURAL DESIGN - VIII

# HOTEL ATRIA



## NORTH SIDE ELEVATION

(SCALE - 1:300)



### BYE LAWS :

SITE AREA	=	14357.9 sq.m. (3.54 ACRES)
F.A.R.	=	2.5
BUILT-UP AREA	=	35,894.75 sq.m.
BUILT-UP AREA USED	=	21,204.79 sq.m.
GROUND COVERAGE	=	30.0% = 4,307.37 sq.m.
GROUND COVERAGE USED	=	4300.9 sq.m.
MAXIMUM HEIGHT	=	UNRESTRICTED

## SITE PLAN

(SCALE - 1:500)

### NOTE

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## 4 STAR HOTEL

250 KEYS HOTEL AT BARSANA, U.P.

TITLE - SITE PLAN, ELEVATION

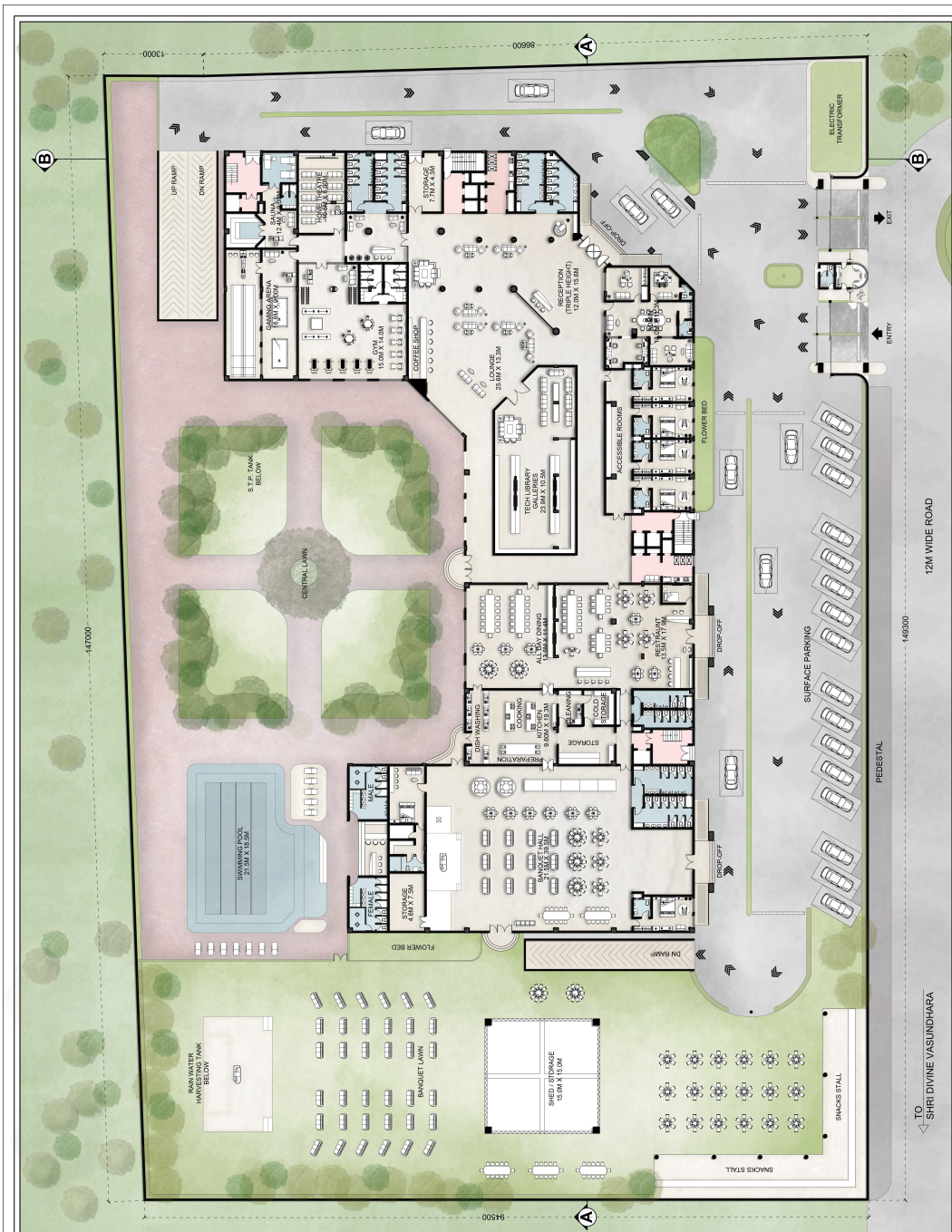


VANSH JAIN  
GCAD/22/125  
BATCH 2022-27

DCRUST ROLL No.  
22009006025

SCALE - 1 : 300  
SHEET No. : 2  
DATE : 14-03-2026

ARCHITECTURAL DESIGN - VIII



**NOTE**

- ALL DIMENSIONS ARE IN MM, UNLESS MENTIONED OTHERWISE.
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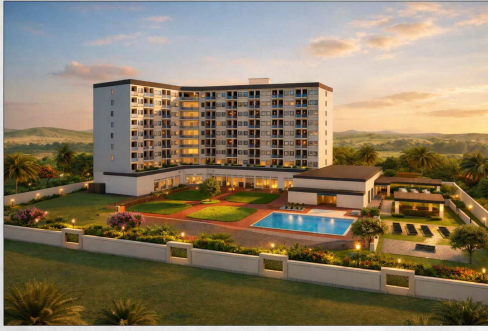
**4 STAR HOTEL**  
 250 KEYS HOTEL AT BARSANA, U.P.  
**TITLE - GROUND FLOOR PLAN**



VANSH JAIN  
 GCAD/22/125  
 BATCH 2022-27

SCALE - 1 : 300  
 SHEET No. : 3  
 DATE : 14-03-2026  
 ARCHITECTURAL DESIGN - VIII

DCRUST ROLL No.  
 22009006025



3D IMAGE OF HOTEL ATRIA



3D IMAGE OF HOTEL ATRIA

S.No.	ROOMS TYPOLOGY	No.s.	DIMENSIONS
1.	DELUXE ROOM	254	7.70M X 4.50M
2.	SUITE ROOM	5	7.70M X 9.00M
3.	PHYSICALLY DISABLED PERSON	8	7.70M X 4.50M
TOTAL ROOMS		267	
F	FIRE HOSE CABINET		670 X 1500
G	GARBAGE CHUTE		670 X 1800
P	PRESSURIZATION SHAFT		670 X 1330
A	PASSENGER'S LIFT		1500 X 1800
B	WHEELCHAIR ACCESSIBLE LIFT		1800 X 1800
C	SERVICE LIFT		1800 X 1330

**HVAC (HEATING VENTILATION & AIR CONDITIONING)**

The hotel utilizes a centralized hydronic cooling network featuring individual Carrier VRF System (650x1500x450mm) in guest rooms, supported by floor-level Air Handling Units (AHU: 3800x2200x2200mm). This system is powered by a central chilled water plant located in the basement, designed for a 2400mm clear height constraint. Thermal energy captured from the interior is transferred via the return air system and rejected through a rooftop cooling tower, ensuring a continuous, energy-efficient cooling cycle throughout the structure.



6<sup>th</sup> FLOOR PLAN (SCALE - 1:300)

**REFUGE AREA**  
A refuge area is a designated safe open space provided in high-rise buildings where occupants can temporarily assemble during emergencies such as fire, before complete evacuation or rescue. As per the National Building Code of India (NBC 2016), refuge areas are usually provided at specific floors or levels to ensure safety and accessibility for building occupants.

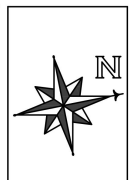


PODIUM FLOOR PLAN (FIRST FLOOR PLAN) (SCALE - 1:300)

NOTE

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4 STAR HOTEL  
250 KEYS HOTEL AT BARSANA, U.P.  
TITLE - 1<sup>st</sup> & 8<sup>th</sup> FLOOR PLAN

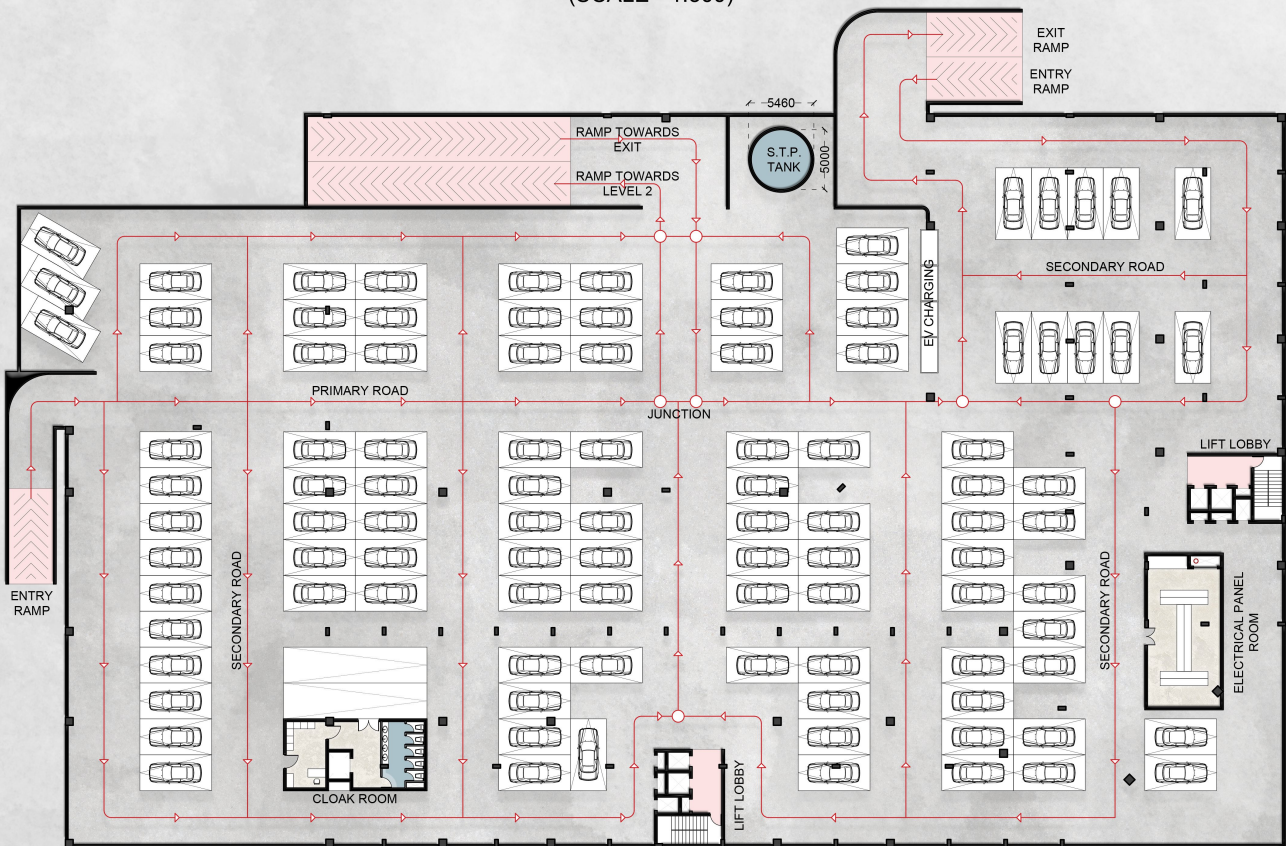


VANSH JAIN  
GCAD/22/125  
BATCH 2022-27  
DCRUST ROLL No.  
22009006025

SCALE - 1 : 300  
SHEET No. : 4  
DATE : 14-03-2026  
ARCHITECTURAL DESIGN - VIII



**PARKING (LEVEL 2 & 3)**  
(SCALE - 1:300)



**PARKING (LEVEL 1)**  
(SCALE - 1:300)

<b>BUILT UP AREA = 21,204.79 SQ.M</b>		S.No.	ROOMS TYPOLOGY	No.s.
E.C.S. = 1.5 / 100 SQM (AS PER UP BUILDING CONSTRUCTION AND DEVELOPMENT BYELAWS)		1.	BASEMENT LVL 1	102
=21,204.79 / 100 X 1.5 = 316 CARS		2.	BASEMENT LVL 2	99
		3.	BASEMENT LVL 3	99
		4.	SURFACE PARKING	16
			<b>TOTAL CARS</b>	<b>316</b>

**NOTE**

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**4 STAR HOTEL**

250 KEYS HOTEL AT BARSANA, U.P.

TITLE - BASEMENT FLOOR PLANS



VANSH JAIN  
GCAD/22/125  
BATCH 2022-27

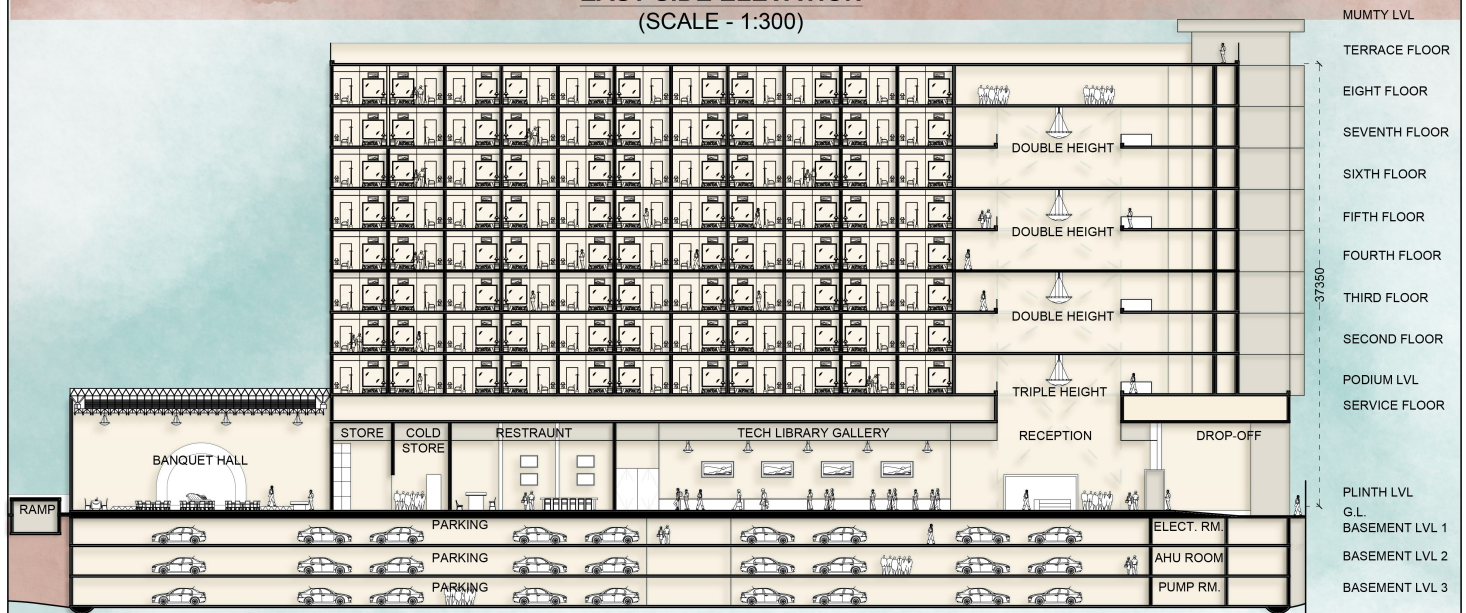
DCRUST ROLL No.  
22009006025

SCALE - 1 : 300  
SHEET No. : 5  
DATE : 14-03-2026

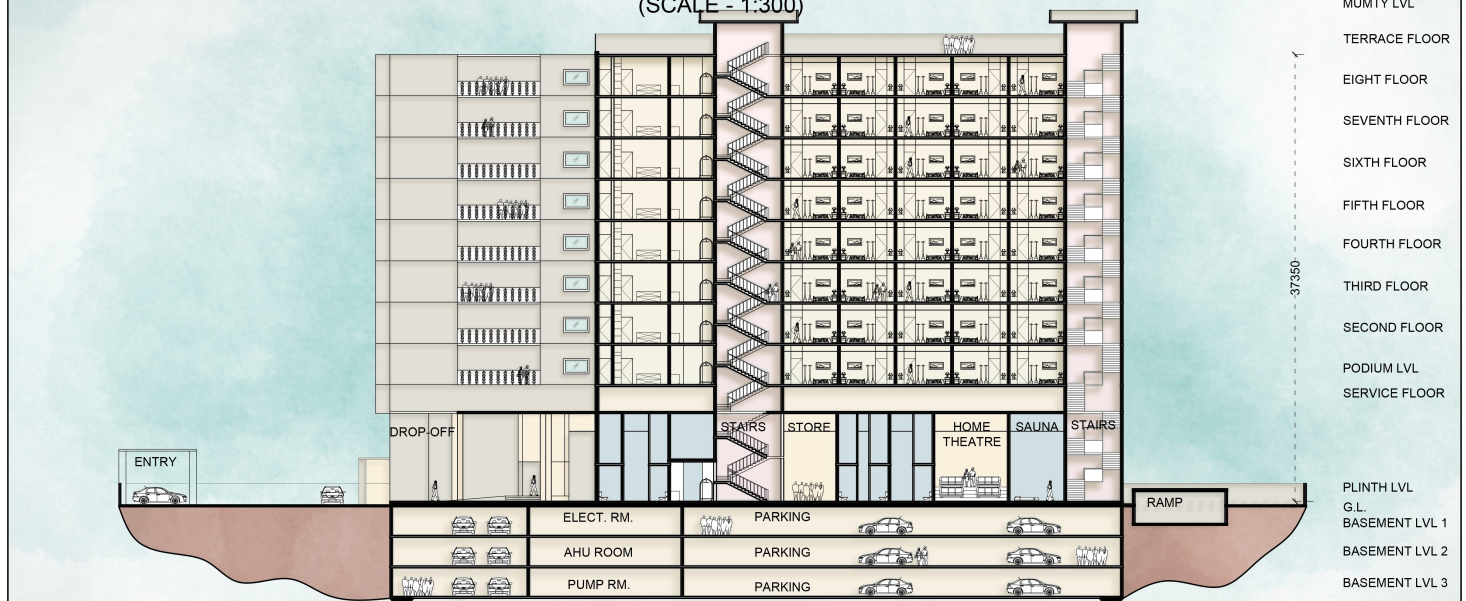
ARCHITECTURAL DESIGN - VIII



**EAST SIDE ELEVATION**  
(SCALE - 1:300)



**SECTION AT AA**  
(SCALE - 1:300)



**SECTION AT BB**  
(SCALE - 1:300)

**NOTE**

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- DIMENSIONS TO BE READ NOT TO BE SCALED.
- IN CASE OF ANY DISCREPANCY, CONTACT CONCERNED DESIGNER.

**4 STAR HOTEL**

250 KEYS HOTEL AT BARSANA, U.P.

TITLE - SECTIONS & ELEVATIONS

VANSH JAIN  
GCAD/22/125  
BATCH 2022-27

DCRUST ROLL No.  
22009006025

SCALE - 1 : 300  
SHEET No. : 6  
DATE : 14-03-2026

ARCHITECTURAL DESIGN - VIII