THESIS REPORT ON

5 STAR HOTEL, GORAKHPUR

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

BACHELOR OF ARCHITECTURE

BY

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THESIS GUIDE

AR. AANSHUL SINGH

SESSION

2022-23

TO THE

SCHOOL OF ARCHITECTURE AND PLANNING

BABU BANARASI DAS UNIVERSITY

LUCKNOW.

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CERTIFICATE

I hereby recommend that the thesis entitled "**5 star hotel, Gorakhpur**" 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.

Prof. Mohit Kumar Agarwal
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Head of Department

Recommendation Accepted

Not Accepted

External Examiner

External Examiner

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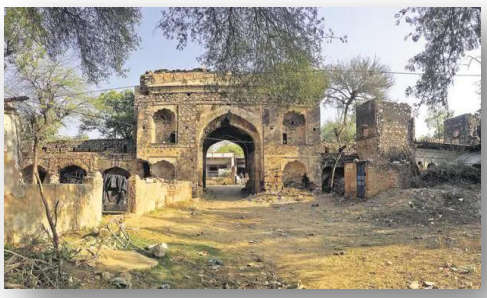
INTRODUCTION :-

INTRODUCTION AND HISTORY

- THE WORD HOTEL IS DERIVED FROM THE FRENCH HOTEL, WHICH REFERRED TO A FRENCH VERSION COMMERCIAL BASIN OF A TOWN HOUSE OR ANY OTHER BUILDING SEEING FREQUENT VISITORS.
- THE PURPOSE OF ANY HOTEL IS TO SATISFY THE PARTICULAR NEED OF A SELECTED CLIENT GROUP AT A SUITABLE PRICE STRUCTURE. THIS IS ACHIEVED BY THE ERECTING SUITABLE BUILDING IN A RIGHT LOCATION AND BY RUNNING THE HOTEL, WITH AN EFFICIENT OPERATOR, MANAGEMENT, STAFF AND PUBLICITY.
- A HOTEL IS AN ESTABLISHMENT THAT PROVIDES PAID LODGING, NUMBER OF ADDITIONAL GUEST SERVICES SUCH AS A RESTAURANT, A SUMMING POOL, AND CONFERENCE SERVICES TO ENCOURAGE GROUPS TO HOLD CONVENTIONS AND MEETINGS AT THEIR LOCATION.
- HOTEL HAVE GROWN INTO TRUE CIVIC CENTER SERVING THE NEEDS OF THE COMMUNITY, PLAYING AN EVER INCREASING ROLE IN INTERNATIONAL TRADE AND TRAVELS.
- A 5 STAR HOTEL IS A LUXURIOUS HOTEL OF HIGH LEVEL DESIGN. THE RECEPTION AND JANITOR ARE AVAILABLE 24 HOURS AND THERE IS ALSO 24 HOURS ROOM SERVICE FOR DRINKS. THERE WILL BE PERMANENT ASSISTANCE FOR ARRANGING YOUR TRANSPORT, VALET PARKING AND BELL BOYS WILL CARRY YOUR LUGGAGE. THE BAR WILL HAVE AN INTERNATIONAL ASSORTMENT OF DRINKS AND THERE WILL BE A RESTAURANT FOR LUNCH AND DINNER. MOST ROOMS WILL BE AT LEAST 26 SQ.M EXTRA SERVICES FOR FACILITIES IN 5 STAR HOTEL.
- **A HOTEL** IS AN ESTABLISHMENT THAT PROVIDE PAID LODGING ON A SHORT-TERM BASIS. THE PRECURSOR TO THE MODERN HOTEL WAS THE INN OF MEDIEVAL EUROPEAN. FOR A PERIOD OF ABOUT 200YEARS FROM THE MID-17TH CENTURY, COACHING INNS SERVED AS A PLACE FOR LODGING FOR COACH TRAVELERS. INNS BEGAN TO CATER TO RICHER CLIENTS IN THE MID-18TH CENTURY. ONE OF THE FIRST HOTELS IN A MODERN SENSE WAS OPENED IN EXETER IN 1768. HOTELS PROLIFERATED THROUGHOUT WESTERN EUROPE AND NORTH AMERICA IN THE EARLY 19TH CENTURY, AND LUXURY HOTELS BEGAN TO SPRING UP IN THE LATER PART OF THE 19TH CENTURY.



MUGHAL-ERA SARAI

MUSAFIR KHANA

5 STAR HOTEL

THE FEDERATION OF HOTEL & RESTAURANT ASSOCIATIONS OF INDIA (FHRAI)
HOTEL AND RESTAURANT ASSOCIATION OF NORTH INDIA (HRANI)
HOTEL AND RESTAURANT ASSOCIATION OF WESTERN INDIA (HRAWI)
HOTEL AND RESTAURANT ASSOCIATION OF EASTERN INDIA (HRAEI)
SOUTH INDIA HOTEL AND RESTAURANT ASSOCIATION (HRAEI)

"STAYCATIONS"
ON THE BASIS OF STAR SYSTEM

STAR RATINGS SYMBOLIZE THE LEVEL OF SERVICE, RANGE OF FACILITIESAND QUALITY OF GUEST CARE. HOTELS ARE REQUIRED TO MEET PROGRESSIVELY HIGHER STANDARDS AS THEY MOVE UP THE SCALE FROM ONE TO FIVE STARS.

- ONE STAR (ECONOMY)
- TWO STAR (MODERATE)
- THREE STAR (FIRST CLASS)
- FOUR STAR (SUPERIOR)
- FIVE STAR (DELUXE)

STAR RATING

THE STAR RATING CATEGORY TO THE HOTELS ARE GIVEN BY THE COMMITTEE CALLED **"HOTELS AND RESTAURANTS APPROVAL AND CLASSIFICATION COMMITTEE (HRACC)".**

- **THERE ARE CERTAIN MARKS SYSTEM CRITERIA ACCORDING TO WHICH THE STARS ARE GIVEN TO THE HOTEL DURING INSPECTION:**

CRITERIA	MAX.MARKS
EXTERIOR &GROUND	8
GUEST ROOMS	10
BATH ROOMS	8
PUBLIC AREAS	8
FOOD & BEVERAGES	8
KITCHENS	8
CLEANLINESS	8
HYGIENE	8
SAFETY & SECURITY	8
COMMUNICATIONS	6
GUEST SERVICES	5
ECO FRIENDLY PRACTICES	5

STANDARD AREA NORMS AS PER AUTHORITY

- MIN AREA REQUIREMENT 1000 SQ. MT. FRONT OF THE PLOT SHOULD FACING 18MTR WIDE ROAD IN CITY AND 24MTR WIDE ROAD IN NON RESIDENTIAL AREA.
- 5 STAR HOTEL ARE ONLY PERMITTED TO NON RESIDENTIAL AREAS. IN RESIDENTIAL UP TO 3 STAR.
- ACCOMMODATION FACILITIES (ROOMS,TOILETS SHOWER ROOMS ETC. AND FLOOR SERVICES SHOULD OCCUPY 50-60% OF FLOOR AREA. PUBLIC GUEST ROOMS, RECEPTION AREA, HALL AND LOUNGES REQUIRES 4-7% OF FLOOR AREA
- HOSPITALITY AREA, RESTAURANTS,BAR FOR GUEST AND VISITORS 4-8% OF FLOOR AREA.
- MAINTENANCE AND REPAIR 4-7% OF FLOOR AREA.
- PARKING 1.0 CARS PER ROOM, EXCESSIVE PARKING 2.0 CARS PER SQ.MT

PURPOSE FOR CHOOSING THIS PROJECT

- TO RECEIVE THE MILLIONS OF TOURISTS, WE HAS BEEN PROMOTING THE HOSPITALITY INDUSTRYFOR PROVIDING QUALITY HOTELS ESPECIALLY IN THE UPCOMING BUSINESS AND COMMERCIAL CENTRES OF THE COUNTRY.
- HOTEL INDUSTRY FROM THE BACK BONE OF TOURISM INDUSTRY WHICH IN TURN ADDS REVENUETO OUR COUNTRY.

AIM AND OBJECTIVE

- THE MAIN AIM OF THE PROJECT IS TO DESIGN A LUXURIOUS FIVE STAR HOTEL WHICH IS AIMEDTO CATER TO DOMESTIC AS WELL AS FOREIGN DELEGATIONS AND TOURIST.
- DUE TO TRAVEL BECOMING INTERNATIONAL IN SCOPE, LINKS WITH LOCAL TRADITIONS IN MANY HOTEL DESIGNS HAVE BEEN WEAKENED AND 'INTERNATIONAL' HAS BECOME A STYLE IN ITS OWN RIGHT. SOME HOTELS BASE THEIR OPERATIONS WITH A THEME OF VERNACULAR LOCAL TRADITIONAL STYLES, WHILE OTHERS HAVE MODERNIST STYLISTIC DESIGNS.

ON THE BASIS OF STAR SYSTEM

- ONE STAR
- TWO STAR
- THREE STAR
- FOUR STAR
- FIVE STAR
- FIVE STAR DELUXE.

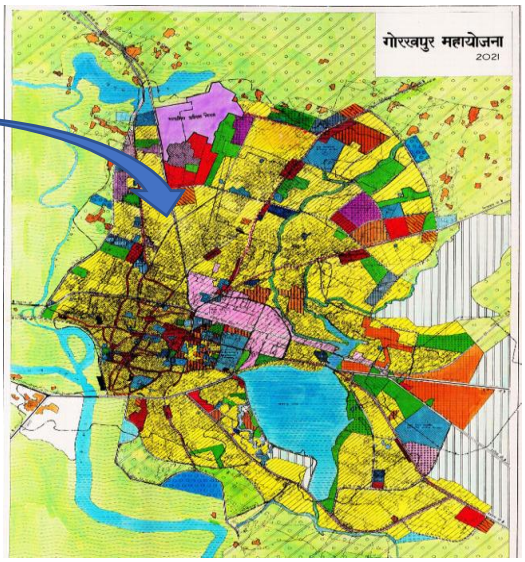
STAR RATING

THE STAR RATING CATEGORY TO THE HOTELS ARE GIVEN BY THE COMMITTEE CALLED **"HOTELS AND RESTAURANTS APPROVAL AND CLASSIFICATION COMMITTEE (HRACC)".**

THE TAJ MAHAL PALACE, MUMBAI.

ABOUT THE CITY

GORAKHPUR IS A CITY ALONG THE BANKS OF THE RAPTI RIVER IN THE NORTH-EASTERN PART OR THE PURVANCHAL REGION OF THE INDIAN STATE OF UTTAR PRADESH. IT IS SITUATED 273 KILOMETRES NORTH-EAST OF THE STATE CAPITAL LUCKNOW. THE CITY IS HOME TO THE GORAKHNATH MATH, A GORAKHNATH TEMPLE. THE CITY ALSO HAS AN INDIAN AIR FORCE STATION, SINCE 1963



GEOGRAPHY

- GORAKHPUR IS SITUATED ABOUT 100 KM FROM NEPAL BORDER, 193 KM FROM VARANASI, 260 KM FROM PATNA AND 273 KM FROM LUCKNOW. IT IS ONE OF THE FLOOD VULNERABLE DISTRICTS IN EASTERN UTTAR PRADESH.
- GORAKHPUR IS LOCATED AT 28.61°N 77.23°E AND LIES IN EASTERN UP.
- IT REACHES THE ELEVATION OF 84M / 276 FEET FROM SEA LEVEL.

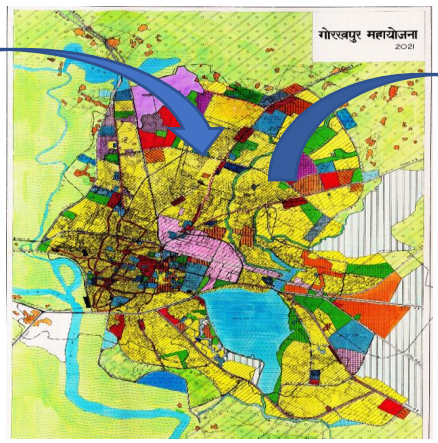
DEMOGRAPHICS

- AS OF 2011 INDIAN CENSUS, GORAKHPUR HAD A TOTAL POPULATION OF 673,446, IT HAS A SEX RATIO OF 903 FEMALES PER 1000 MALES.
- GORAKHPUR HAD A LITERARY RATE OF 75.2%, OF WHICH MALE LITER- ACY WAS 79.4% AND FEMALE LITERACY WAS 70.6%.

TRANSPORTATION

- **RAILWAYS**
- GORAKHPUR IS CONNECTED THROUGH RAIL NETWORK AND GORAKHPUR RAILWAY STATION.THE STATION OFFERS CLASS A-1 RAILWAY STATION FACILITIES. ON 6 OC- TOBER 2013, GORAKHPUR HAS THE WORLD'S LONGEST RAILWAY PLAT- FORM, AFTER INAUGURATION OF THE REMODELLED GORAKHPUR YARD, WITH A STRETCH OF AROUND 1.36 KILOMETRES (0.85 MI)
- **AIR**
- AN AIRFORCE STATION OF INDIAN AIR FORCE WAS ESTABLISHED IN GORAKHPUR IN 1963 AND EXTENDED FOR PUBLIC TRANSPORT. NAMED MAHAYOGI GORAKHNATH AIRPORT.
- **METRO**
- THE PROPOSED GORAKHPUR METRO SYSTEM WILL CONSIST OF TWO CORRIDORS, BOTH WILL COVER A DISTANCE OF 27.41 KM (17.03 MI) AND BOTH CORRIDOR WILL HAVE 27 METRO STATION.

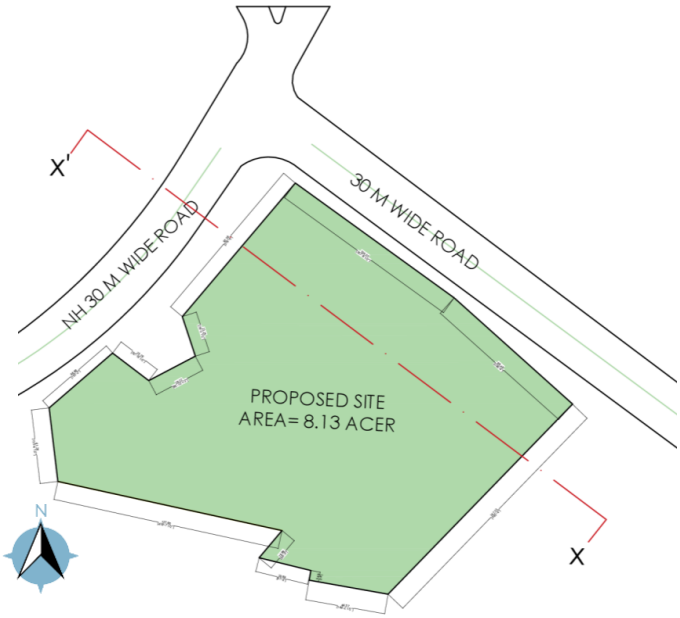
SITE STUDY :-



- **GENERAL INTRODUCTION**
- PROJECT — FIVE STAR HOTEL
- CLIENT — LOTUS TRANS PVT.LTD.
- LOCATION — PAIDLE GANJ GORAKHPUR, UTTAR PRADESH
- COORDINATES — LATITUDE 26° 44'33. N LONGITUDE- 83° 23‘ E
- SHAPE — IRREGULAR PLOT SHAPE
- AREA — 32901 SQ.M.(8.13 ACERS)

BYE LAWS:

SITE AREA: 32901 SQ.M.(8.13 ACERS)
FAR: 2
GROUND COVERAGE:40% = 13160.4 SQ.M.
SETBACK: FRONT-9 M
REAR - -6 M.
SIDE -4.5 M.



APPROACH TO SITE

FROM GORAKHPUR JUNCTION:
THE SITE IS LOCATED 3.8 KM FROM THE GORAKHPUR JUNCTION RAILWAY STATION,

RAILWAY STATION 3.8 KM

FROM GORAKHPUR BUS STAND
THE SITE IS LOCATED 1.9 KM FROM THE GORAKHPUR BUS STAND.

BUS STAND 1.9 KM

FROM MAHAYOGI GORAKHNATH AIRPORT:
THE SITE IS LOCATED 7.6 KM FROM THE FROM MAHAYOGI GORAKHNATH AIRPORT.

AIRPORT 7.6 KM

ON SITE CONSIDERSTION

TOPOGRAPHY

THE SITE IS FLAT, NO VARIATION IN TOPOGRAPHY, LAND IS 6 FEET BELOE THE ROAD LEVEL.

SOIL

MOSTLY ALLUVIAL SOILMIXED WITH PARTIALLY CLAYEY SOIL BECAUSE OF RAMGARH TAAL LOCATED AT NORTH EAST FROM THE SITE.
BEARINGCAPACITY.

VEGETATION

THERE ARE MORE THAN 10 NOS. OF EUCALYP- TUS TREES AND PALM TREES VARIETY OF SHRUBS INTO THE SITE.

ORIENTATION

THE LARGER SPAN ORIENTED ALONG NORTH- EAST AND SOUTH WEST DIRECTION AND THE SHORTER SPAN ALONG SOUTH EAST-NORTH WEST DIRECTION.

SERVICES AVILABLE ON SITE

ELECTRICITY LINE

ELECTRICITY IS SUPPLIED BY STATE ELECTRICITY BOARD UP POWER CORPRATION.
HIGN TENSION LINE CARRYING 33 KV RUNNING ALONG NORTH WEST DIRECTION OF SITE.

WATER SUPPLY

WATER SUPPLY IS PROVIDED BY UTTAR PRADESH JAL NIGAM LOCATED AT OPPOSITE TO THE SITE.
TUBE WELL BOARING IS AVILABLE ON THE SITE

SEWER LINE

THE MAIN SEWER LINE IS IN UNDER CONSTRUCTION JOINING FROM NAUKA VIHAR TO PAIDLEGANJ.

SEWER

ELECTRICITY POLE

BORE WELL

SITE BOUNDARY

SEISMIC ZONE

SITE LIES IN ZONE 4 AND PRONE TO EARTHQUAKES

Seismic Zone Map of India: -2002

About 59 percent of the land area of India is liable to seismic hazard damage

Zone	Intensity
Zone V	Very High Risk Zone Area liable to shaking Intensity IX (and above)
Zone IV	High Risk Zone Intensity VIII
Zone III	Moderate Risk Zone Intensity VII
Zone II	Low Risk Zone VI (and lower)

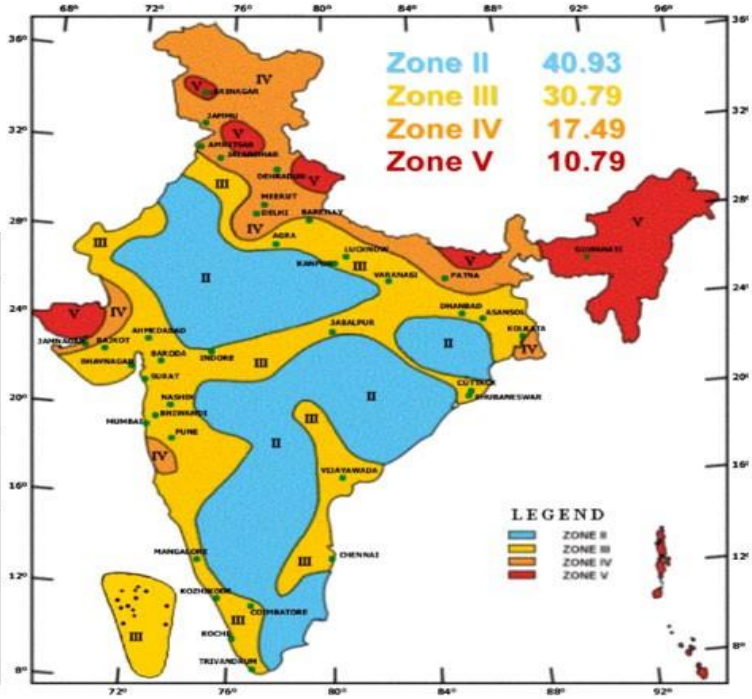
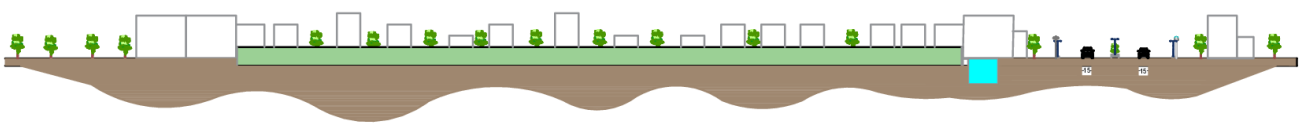
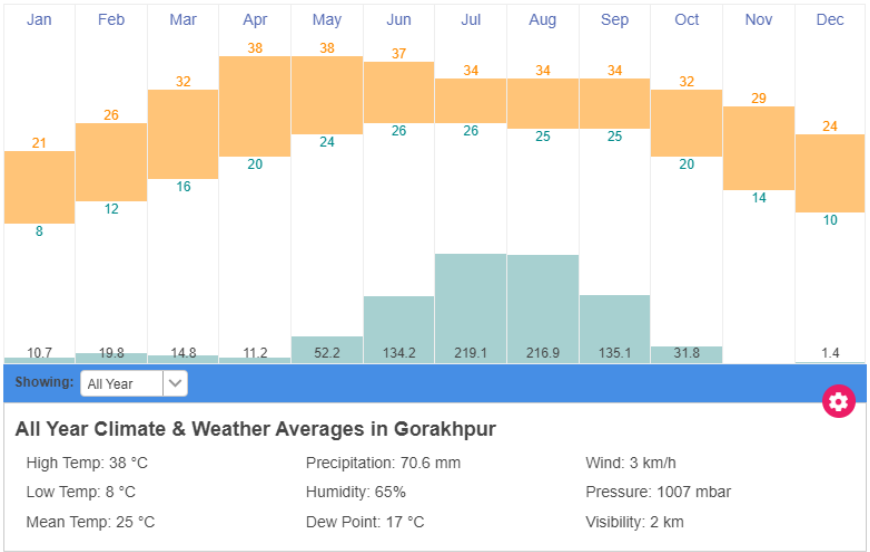


Fig. 1 Seismic zonation and intensity map of India



SECTION XX'

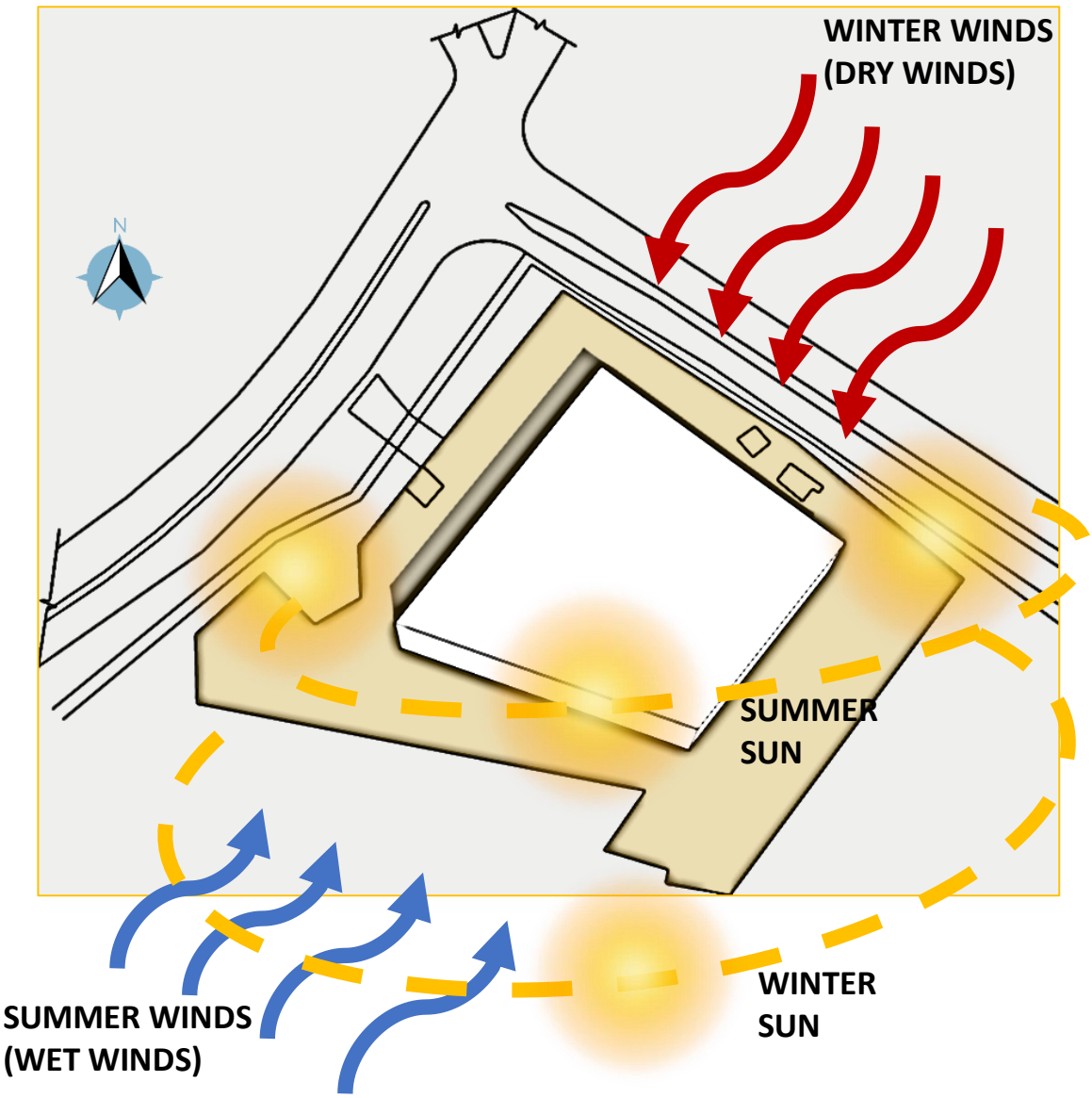


All Year Climate & Weather Averages in Gorakhpur

High Temp: 38 °C	Precipitation: 70.6 mm	Wind: 3 km/h
Low Temp: 8 °C	Humidity: 65%	Pressure: 1007 mbar
Mean Temp: 25 °C	Dew Point: 17 °C	Visibility: 2 km

Hottest Month	June (31 °C avg)
Coldest Month	January (15 °C avg)
Wettest Month	July (219.1 mm avg)
Windiest Month	May (4 km/h avg)
Annual precip.	847.2 mm (per year)

Weather by CustomWeather, © 2023



SWOT ANALYSIS

STRENGTHA

PPROPRIATE ACCESS ROADS: ROADS ON TWO SIDES WITH NH 28 AND ANOTHER ROAD WITH SUFFICIENT WIDTHS FOR THE TRAFFIC GENERATED AND ALSO PROVIDE AMPLE FRONTAGE.
APPROACH: CONNECTED WITH ALL MAJOR TRANSPORT MODES.
LOCATION: PRIMARILY IN PROXIMITY OF GREEN AREA, RAMGARH TAAL, GOLF COURSE, PLANETARIUM, WATER PARK, WHICH MAKES IT THE FOCAL POINT.
VIEWS: A VERY SPECIAL VIEWS FROM THE SITE, BECAUSE OF RAMGARH TALL WHICH OFFERS WATER SHOW AT NIGHT AND BOATING FACILITY.

WEAKNESS

THE SURROUNDING AREAS ARE NOT ED YET DEVELOPED. MOST OF THE AREAIS BARREN

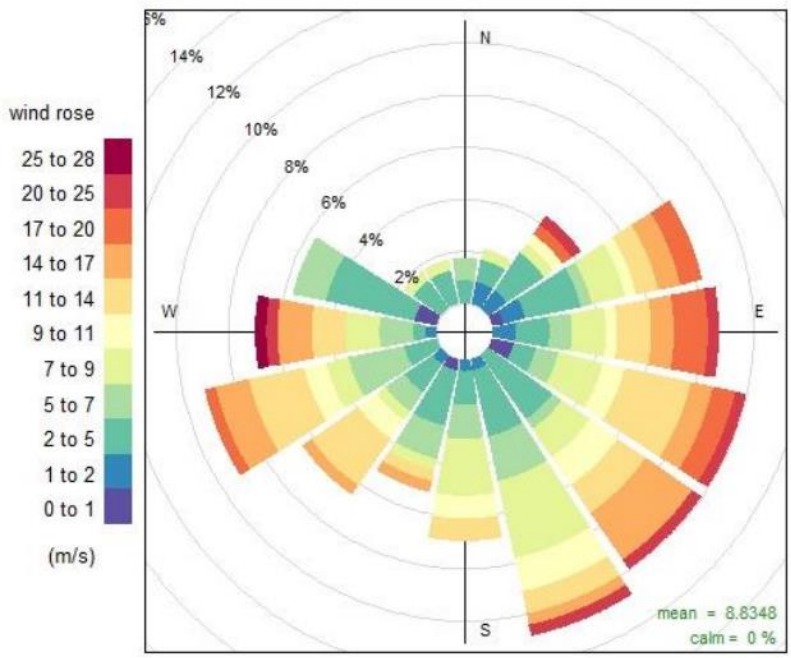
OPPORTUNITIES

SCOPE FOR TURNING OUT TO BE AMAJOR HOSPITALITY HUB FOR CONNECTED AREAS. GENERATION OFLH ENTERTAINMENT ENVIRONMENT AND A CHANCE TO CREATE A NEW LAND-MARK IN GORAKHPUR.

THREATS

PROPOSE SITE COME UNDER 4TH SEISMIC ZONE IN INDIA.
UNSÄSTAINABLE MANAGEMENT ON ITS LAND & WATER RESOURCES.

Interpretation of wind rose diagrams:



Frequency of counts by wind direction (%)

WIND DIRECTION

PREVAILING WIND DIRECTION IN SUMMER FROM NORTH EAST TO SOUTH WEST.AND IN WINTERS VICE VERSA.

LOCAL WIND

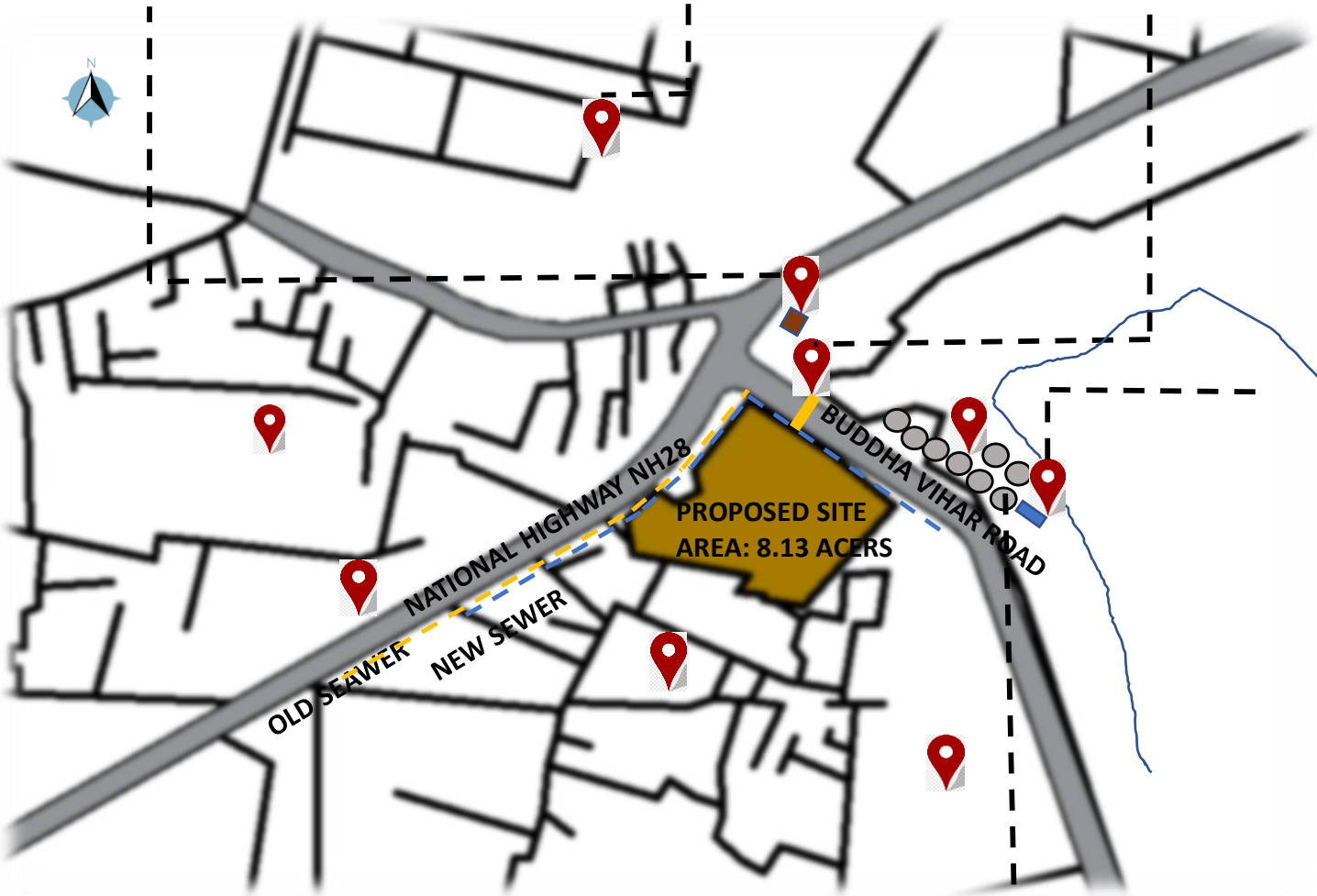
DIRECTION CHANGES WITH CHANGE IN WEATHER AND SEASON.

SITE SURROUNDINGS

POLICE STATION
PAIDELEGANJ

DDU UNIVERSITY

BUDDHA VIHAR GATE



JAL NIGAM

RESTAURANT

RAMGARH TALL

CASE STUDY :- 1

HOTEL RADISSION BLU FARIDABAD

❑ LOCATION

ARCHITECT	A.SHARMA ASSOCIATES
CLIENT	EROS CONSTRUCTION PVT. LTD.
TYPOLOGY	FIVE STAR HOTEL
LOCATION	SECTOR 20-B, MATHURA ROAD, FARIDABAD, 121001, INDIA

❑ SITE DETAIL:

SITE AREA	1.6 ACRES.
PARKING	AT BASEMENT
BUILTUP AREA	23500 SQ.M.
GROUND COVERAGE	2573 SQ.M.
F.A.R	2.5
HEIGHT	25 - 30 METRE.
NO. OF FLOORS	B + G + 6

❑ PROGRAM:

TOTAL NO OF KEYS - 124 KEYS.
TOTAL NO OF BALL ROOM - 3 NOS

❑ APPROACH TO SITE

METRO STATION BATA CHOWK 200M

NIT BUS STAND 2.9 KM

OLD FARIDABAD RAILWAY STATION 1.5 KM

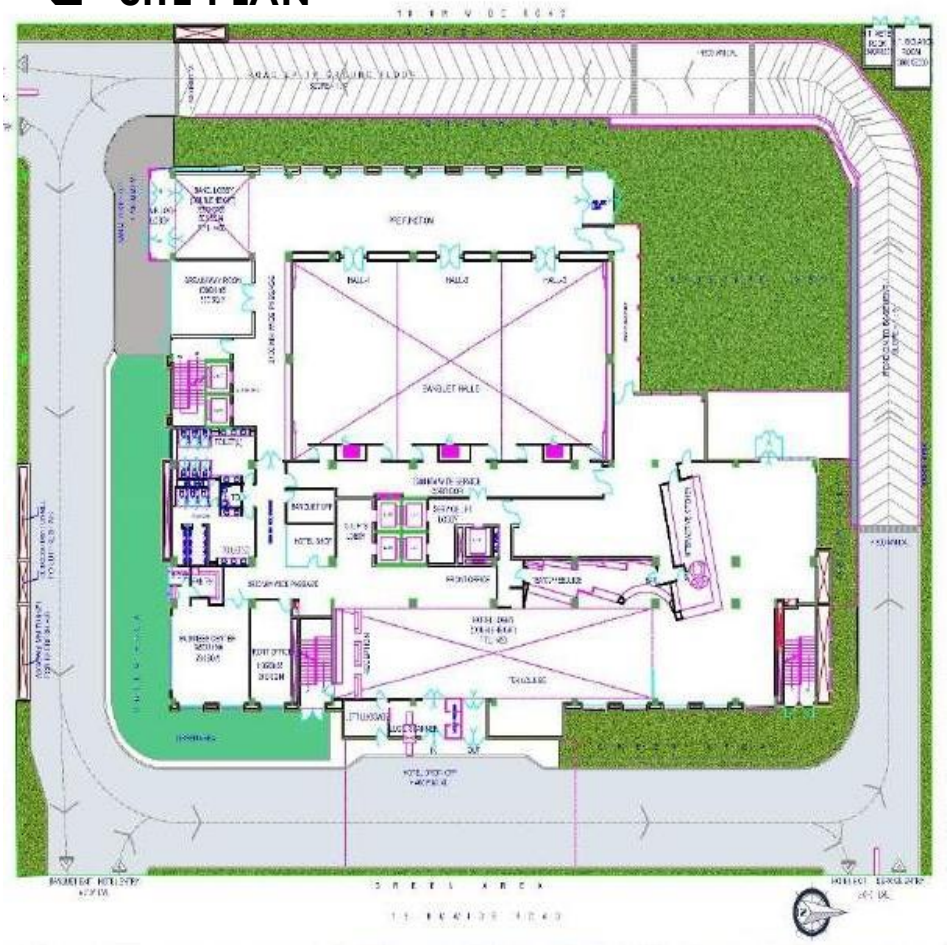
IGI AIRPORT 37.6 KM

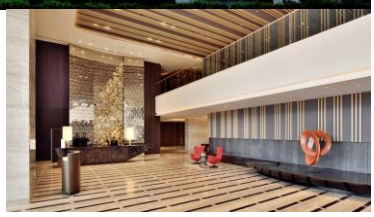
❑ ABOUT THE PROJECT

RADISSON BLU SITUATED IN A THRIVING INDUSTRIAL DISTRICT JUST OUTSIDE INDIA'S CAPITAL CITY OF NEW DELHI, THE RADISSON BLU FARIDABAD BOASTS A CONVENIENT LOCATION JUST OFF NATIONAL EXPRESSWAY BORDERING SOUTH DELHI

PERFECT FOR BUSINESS TRAVELERS, OUR HOTEL IS JUST ACROSS THE STREET FROM BATA CHOWK METRO STATION AND OFFERS DURING YOUR STAY, STROLL THROUGH THE NATURAL BEAUTY OF TOWN PARK, OR TOUR THE ANCIENT RUINS OF TUGHLAQABAD FORT

❑ SITE PLAN





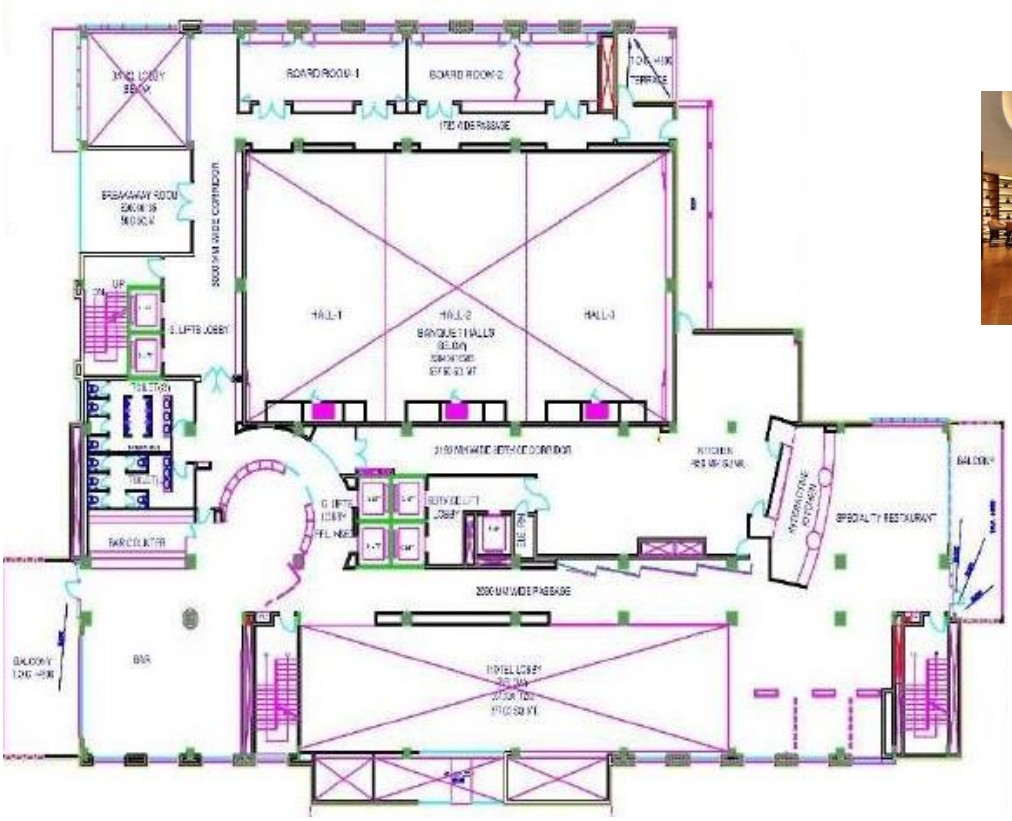
RECEPTION/ LOBBY

COFFEE SHOP

BROADWAY RESTAURANT

GROUND FLOOR: ENTRANCE FOYER RECEPTION, LUGGAGE ROOM, TEA LOUNGE, COFFEE SHOP/MINI BAR, MULTICUSINE RESTAURANT (BROADWAY), OPEN LAWN, SERVICE LIFT, GUEST LIFT, BANQUET HALL, BANQUET OFFICE, GUEST TOILET (MALE, FEMALE, HANDICAP), BUSINESS OFFICE+PANTRY, BREAKAWAY ROOM, PREFUNCTION AREA

❑ FIRST FLOOR PLAN



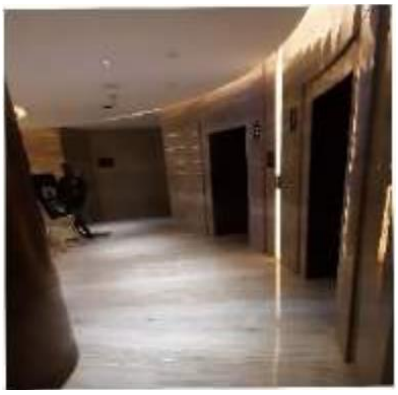
BREAK AWAY ROOM

RESTAURANT CORRIDOR

FIRST FLOOR: BAR WITH OPEN LOUNGE(COVE BAR), SPECILITY RESTAURANT+OPEN LOUNGE (KABAB FACTORY), MAIN KITCHEN+INTERACTIVE KITCHEN, GUEST LIFT 4 NOS, SERVICE LIFT 3 NOS GUEST TOILET (M/F), BREAK AWAY ROOM, BOARD ROOM 2 NOS.

MAIN KITCHEN

DISH WASH AREA



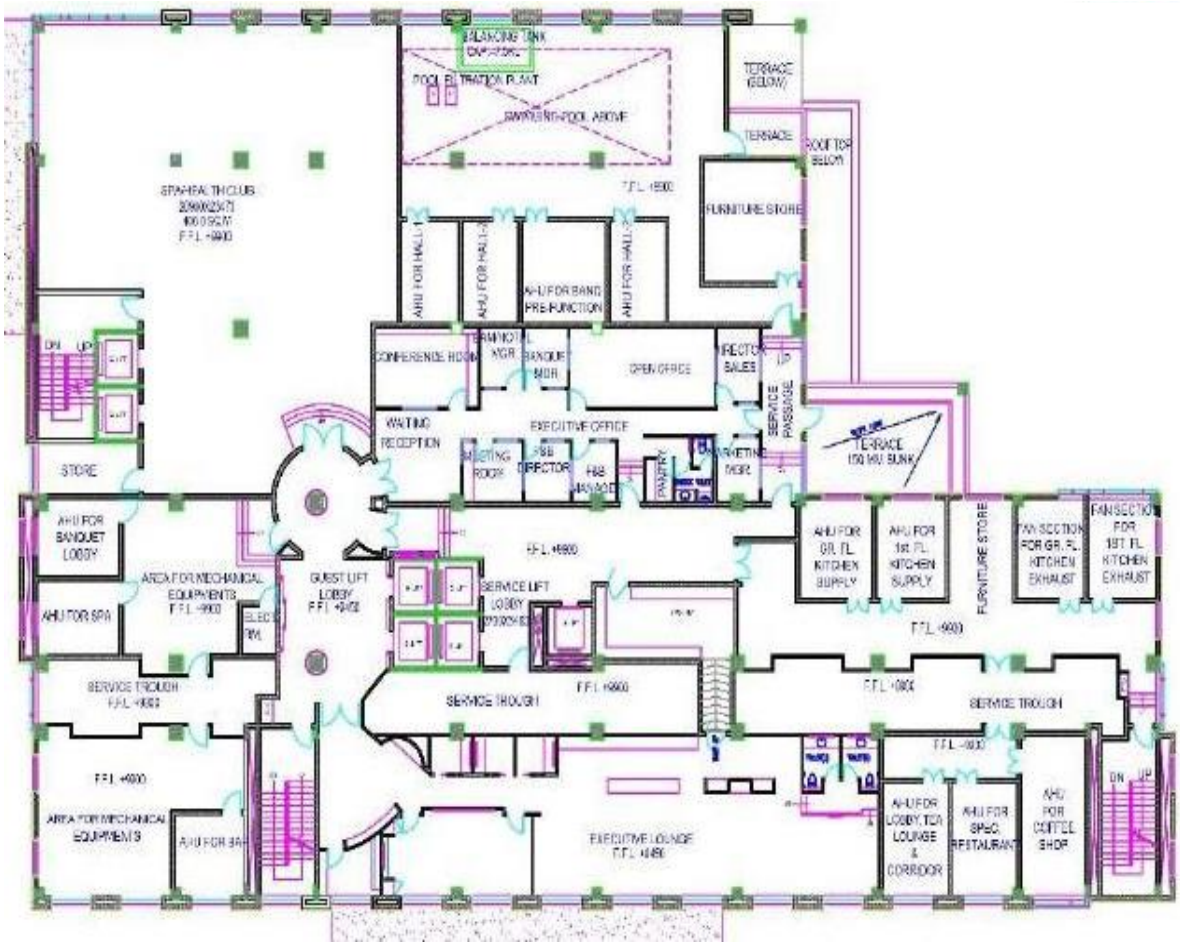
LIFT LOBBY

BANQUET LIFT LOBBY

SPECILITY RESTAURANT

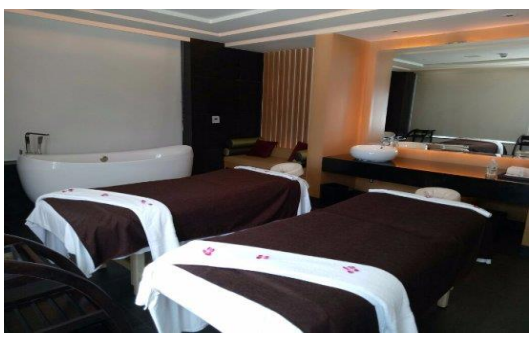
IGBC GOLD 2017 CERTIFIED

❑ SERVICE FLOOR PLAN



SERVICE FLOOR GUEST LIFT 4 NOS, SERVICE LIFT 2 NOS, AHU ROOMS, MECHANICAL ROOM, FAN EXHAUST ROOM, EXECUTIVE LOUNGE, SPA, HEALTH CLUB, CONFRENCE ROOM, AM HOTEL MANAGER, BANQUET MANAGER, F AND B DIRECTOR, F AND B MANAGER, MARKETING OFFICE, SALES DIRECTOR, FURNITURE STORE.

HEALTH CLUB/GYM



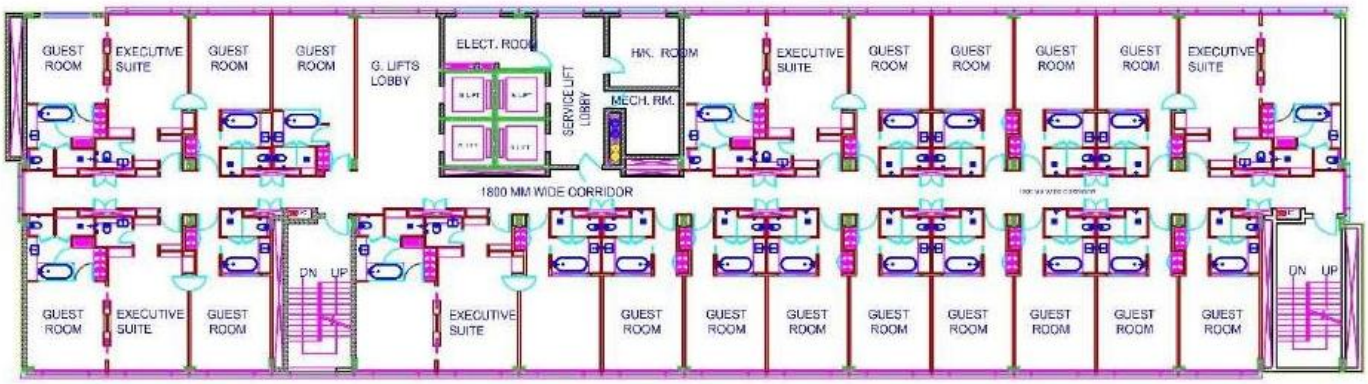
SPA (TATTVA)

EXECUTIVE LOUNGE

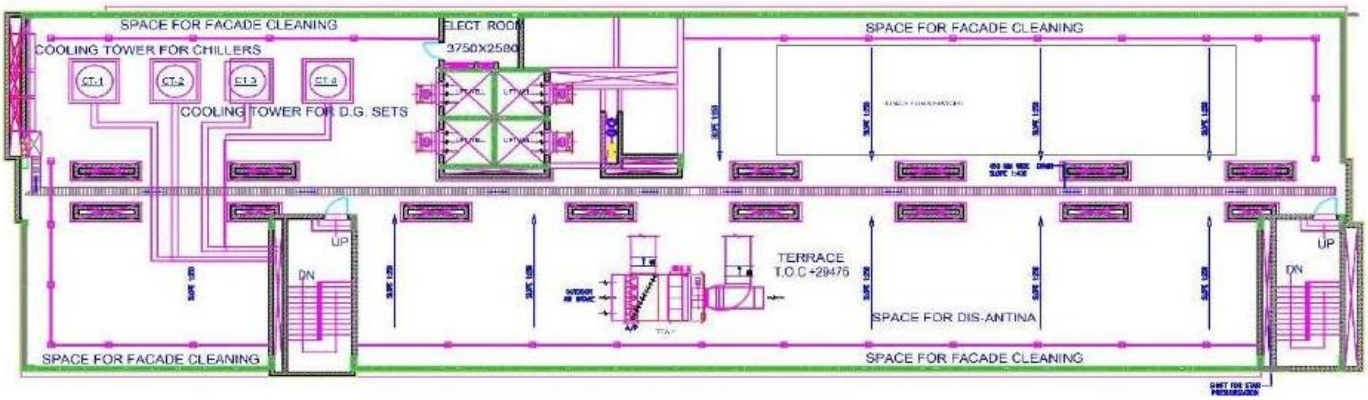
SPA (TATTVA)

❑ TYPICAL FLOOR PLAN

❑ SIXTH FLOOR PLAN



❑ TERRACE FLOOR PLAN

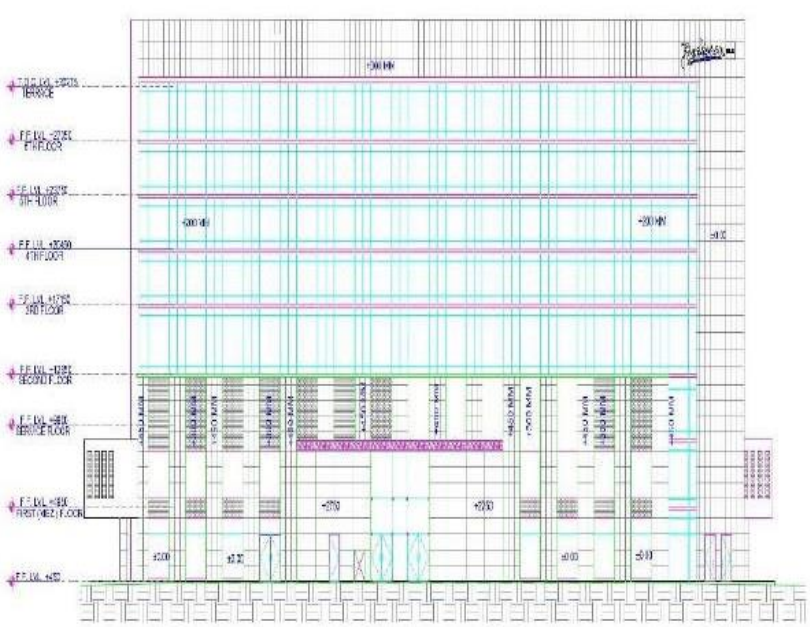


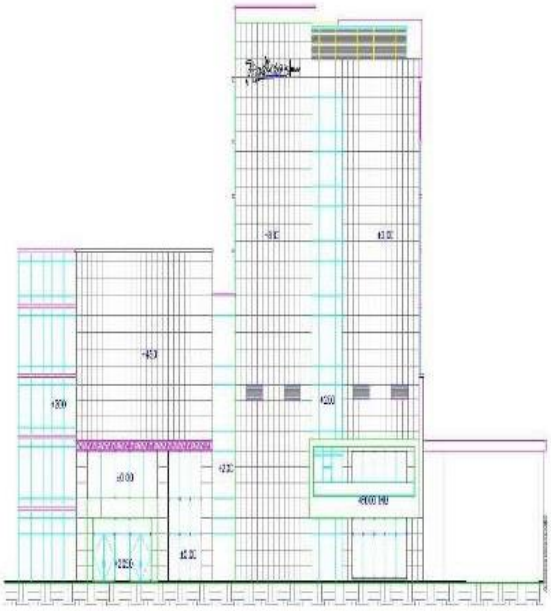
TYPICAL FLOOR 3,4TH,5TH: NO OF KEYS 26, 2 SERVICE LIFT+H/K ROOM, MECHANICAL ROOM, GUEST LIFT 2 NOS.

SIXTH FLOOR: NO OF KEYS 21, 2 SERVICE LIFT+H/K ROOM, MECHANICAL ROOM, GUEST LIFT 2 NOS, EXECUTIVE SUITS.

TERRACE FLOOR: MACHINE ROOM, COOLING TOWER, OVERHEAD WATER TANK

❑ ELEVATIONS





❑ SECTIONS

RESTAURANTS AND BAR

THE **RADISSON BLU FARIDABAD** INVITES GUESTS TO STAY ON SITE FOR MOUTHWATERING MEALS IN TWO SUPERB RESTAURANTS.

AREA 220 SQ.M

BROADWAY: ALL-DAY-DINING RESTAURANT SERVES GLOBAL CUISINE WITH OPTIONS FOR EVERY PALATE. CHOOSE FROM AN EXTENSIVE BUFFE WITH A WIDE RANGE OF DELICACIES, OR ORDER FROM OUR À LA CARTE MENU FOR BREAKFAST, LUNCH, AND DINNER MULTI CUISINE PREPARED IN AN OPEN SHOW KITCHEN. IT HAS 74 COVERS

AREA 220 SQ.M

THE GREAT KABAB FACTORY: FINE DINE RESTAURANT WHICH OFFERS FORMAL ATMOSPHERE FOR LUNCH AND DINNER, THE GREAT KABAB FACTORY, WHICH SPECIALIZES IN AUTHENTIC INDIAN CUISINE AND ALSO INCLUDES A PRIVATE DINING ROOM FOR SMALL GATHERINGS, IT HAS 74 COVERS,

THE TEA STUDIO: FOR SNACKS, COFFEE, TEA, AND FRESH JUICES, STOP BY TEA STUDIO. LOCATED ON THE GROUND FLOOR

THE COVE BAR: SERVES CLASSIC COCKTAILS IN A CONTEMPORARY SETTING. LISTEN TO THE SOUNDS OF RETRO MUSIC AS YOU ENTERTAIN CLIENTS OR CHAT WITH FRIENDS, IT HAS 74 COVERS

AREA 140 SQ.M

ROOMS

SUPERIOR ROOMS: 18 ROOMS WITH ONE KING BED AND 36 ROOMS WITH TWO TWIN BEDS

DELUX ROOMS: SLEEK DELUXE ROOMS PROVIDE A CHOICE OF ONE KING OR TWO TWIN BEDS. WITH A BATHTUB AND A SEPARATE SHOWER, THE LAVISH BATHROOM PROVIDES, SOME ROOMS ALSO FEATURE A GARDEN AREA

AREA 220 SQ.M

BUSINESS CLASS ROOM: A SENSE OF EXCLUSIVITY CHOOSE FROM 22 KING AND 4 TWIN ROOMS

EXECUTIVE SUITE: EACH OF OUR SUITES FEATURES A KING BED AND AN UNDERSTATED, HIGH-END DESIGN. A MODERN LIVING ROOM OFFERS AN IDEAL SEATING AREA WITH MINIMALIST DECOR, STYLISH FURNISHINGS AND A 40-INCH LED TV

AREA 33 SQ.M

- **BALL ROOM/MEETING ROOM**

BALL ROOM: SPANNING 480 SQ.M. WITH PREFUNCTION AREA OF 190 SQ.M. WITH FLEXIBLE MEETING FACILITIES THAT CAN ACCOMMODATE UP TO 1,100 GUESTS, OUR HOTEL BOASTS ONE OF THE LARGEST BANQUET VENUES IN THE CITY.

BOARD ROOM: TWO BOARD ROOMS ARE PROVIDED ON FIRST FLOOR.WHICH ARE USED FOR BUSINESS MEETINGS SMAAL PARTIES CORPORATE FUNCTIONS ETC.

❑ KITCHENS

KITCHEN: THERE ARE TWO MAIN KITCHENS,ONE ON GROUND FLOOR AND SECOND ON FIRST FLOOR, GROUND FLOOR KITCHEN MEANT EXCLUSIVELY FOR BANQUET AND BROADWAY RESTAURANT, WHILE FIRST FLOOR KITCHEN FOR KABAB FACTORY, AND OTHER PANTRY,GAS PIPELINE IS PROVIDED IN KITCHEN,ALL KITCHENS HAVE DISH WASHING AREA WITH IN IT,BAKERY AND STORAGE WERE LOCATED IN BASEMENT -1.

❑ SERVICES

SMOKE DECETORS & WARNING ALARM:

■ A SYSTEM OF INTERCONNECTED SMOKE DETECTORS IS CONNECTED IN EVERY ROOM, COORIDOORS, PRIVATE AREA,PUBLIC AREA.

■ SMOKE DETECTOR PANNEL IS LOCATED IN CONTROL ROOM EACH SMOKE DETECTOR GUARS 30 SQ.M. AREA

❑ WATER BASED

FIRE SPRINKLERS & FIREHYDRANTS:

■ EACH FIRE SPRINKLER SERVES APPROX 30 SQ.M.AREA, SPACING BETWEEN TWO SPRIN-KLERS WERE 10 -15 FEET.

■FIRE HYDRANTS WERE PROVIDED ON EVERY FLOOR OF THE BUILDING.

❑ LIFT AND STAIRCASE

LIFTS: THERE WERE TOTAL 7 NO OF LIFTS.

■4 LIFTS FOR GUEST HAVING CAPICITY OF 18 PERSONS, 1275 KG 2 COVERING GROUND TO 6TH FLOOR ANDTWO COVERING GROUND TO SECOND FLOOR.

■3 SERVICE LIFTS HAVING CAPICITY OF 10 PERSONS 1275 KG.

STAIRCASE: THERE ARE TOTAL 3 NOS OF STAIRCASE OF WIDTH 1500 MM.ALL THE FIRE STAIR CASE ARE PROVIDED WITH PRESAURIZATION SHAFT.OUT OF THREE STAIRCASE ONE STAIRCASE IS TERMINATED ON THIRD FLOOR AND OTHER TWO STAIRCASE ARE RUNNING VERTICALLY THROUGHT EVERY FLOOR OF THE BUILDING.

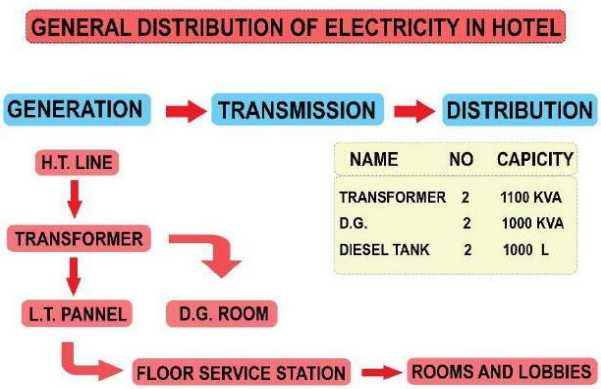
❑ LAUNDARY

■LAUNDARY IS LOCATED IN BASEMEBT-1 ATTACHED WITH LININ AND UNIFORM ROOM.

■3 WASHING MACHINES WITH 80 KG OF CAPICITY EACH.

■STEAM,ELECTRIC AIR, IRON MACHINE, DRYCLEAN MACHINE.

❑ ELECTRIFICATION



❑ AIR CONDITIONING

■THE WHOLE STRUCTURE IS CENTRALLY AIRCONDITIONED. ■FCU ARE PROVIDED TO EACH ROOM WITH ASEPERATE CONTROLLER.

■AC PLANT IS LOCATED ON BASEMENT -1THERE WERE TOTAL 3 CHILLER PLANTS 300TONAGE EACH, LOCATED IN MEP ROOM.

■THERE ARE TOTAL 4 NO OF COOLING TOWER PLACED ON THE TERRACE OF THE HOTEL.

CAR PARKING IS LOCATED IN BASEMENT-2,AND STAFF PARKING IN -1BASEMENT. TOTAL CAR PARKING IS 250 CARS

CASE STUDY :- 2
HOTEL LE-MERIDIEN, NEW DELHI

❑ LOCATION

•RAISINA ROAD

•JANPATH ROAD

❑ SITE DETAIL:

SITE AREA	4.29 ACRES
PARKING	AT BASEMENT
BUILTUP AREA	18700 SQ.M.
GROUND COVERAGE	2573 SQ.M.
F.A.R	2.5
HEIGHT	69 METRE APPROX
NO. OF FLOORS	B + G + 20

ARCHITECT	MARCK KOWALSKI
CLIENT	L-R CHIRANJEET KAUR
TYPOLOGY	FIVE STAR HOTEL
LOCATION	VASANT VIHAR, 110057, NEW DELHI, INDIA

❑ APPROACH TO SITE

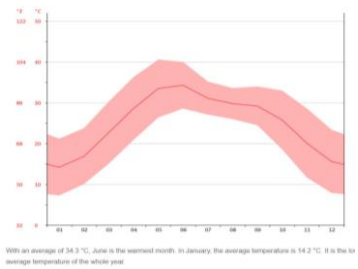
JANPATH METRO STATION
1 KM

ISBT (INTER STATE BUS TERMINAL) 6 KM

NEW DELHI RAILWAY STATION
3.2 KM

IGI AIRPORT 13.5 KM

❑ CLIMATE ANALYSIS



TEMPERATURE

RAINFALL

❑ PROGRAM:

TOTAL NO OF KEYS - 358 KEYS.
TOTAL NO OF BALL ROOM - 1 NOS

❑ SITE PLAN

BASEMENT

8.FILLING STATION

9.OIL TANK AT BACK SIDE

5.WAY TO MAIN ENTRANCE ROUNDED DRIVEWAY RAMP SCALE 1:12

7.SERVICE ENTRY

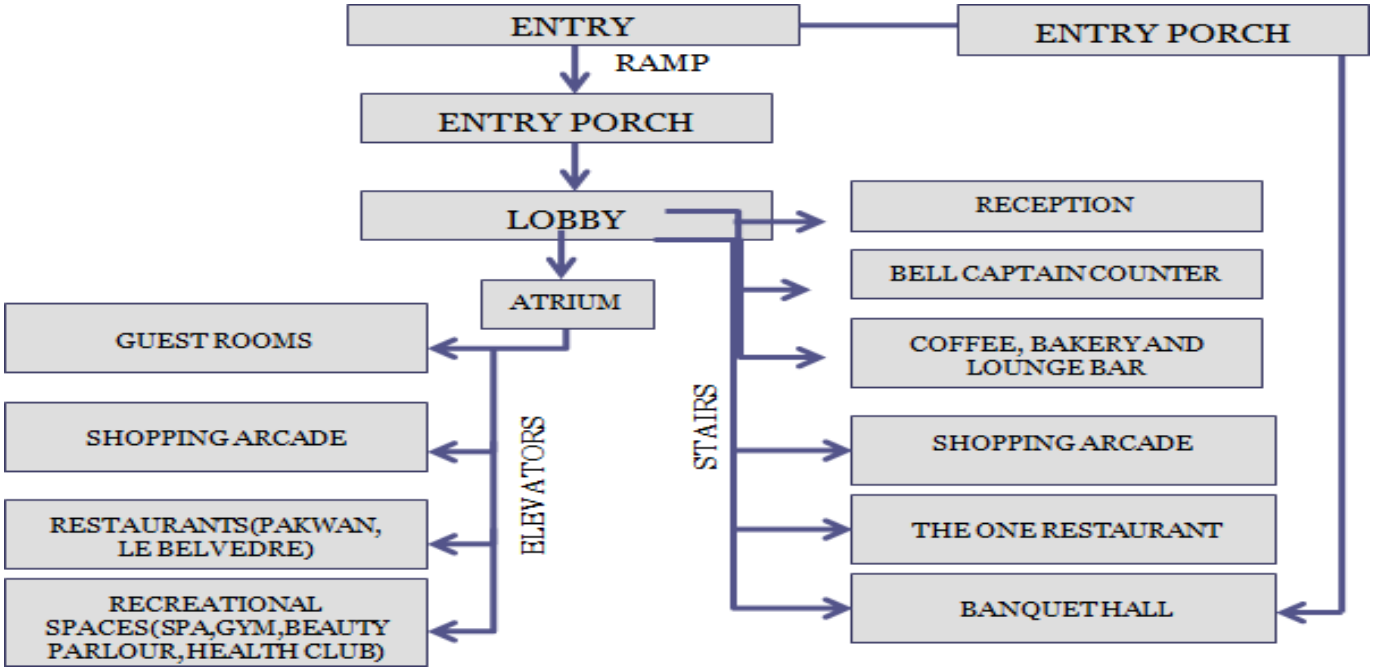
6.BANQUET ENTRY

5.COMMERCIAL BLOCK & HOTEL BLOCK

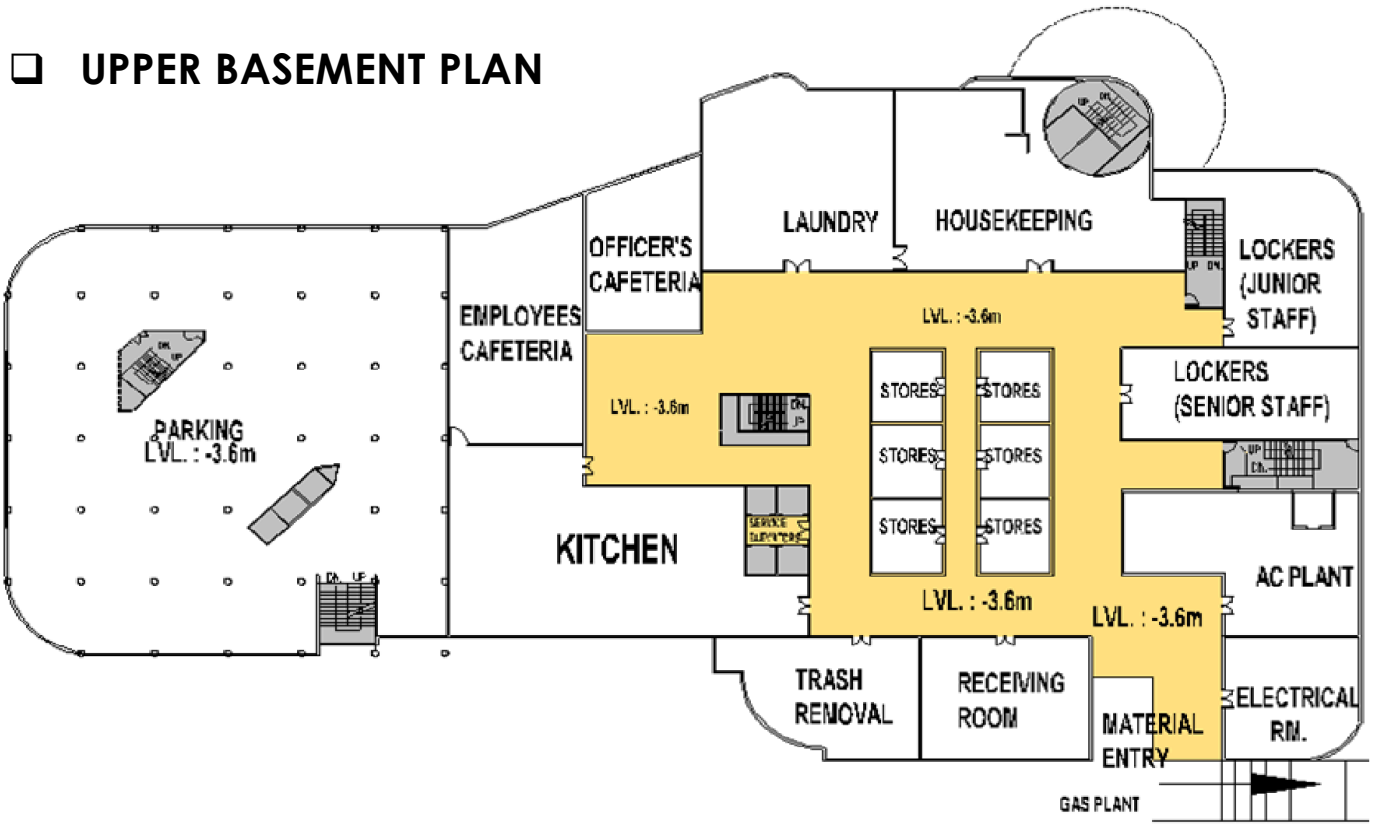
4.CHILLER PLANT

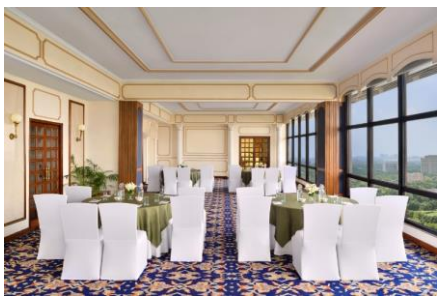
2. RAMP FOR MAIN ENTRY

1.SURFACE PARKING



❑ UPPER BASEMENT PLAN



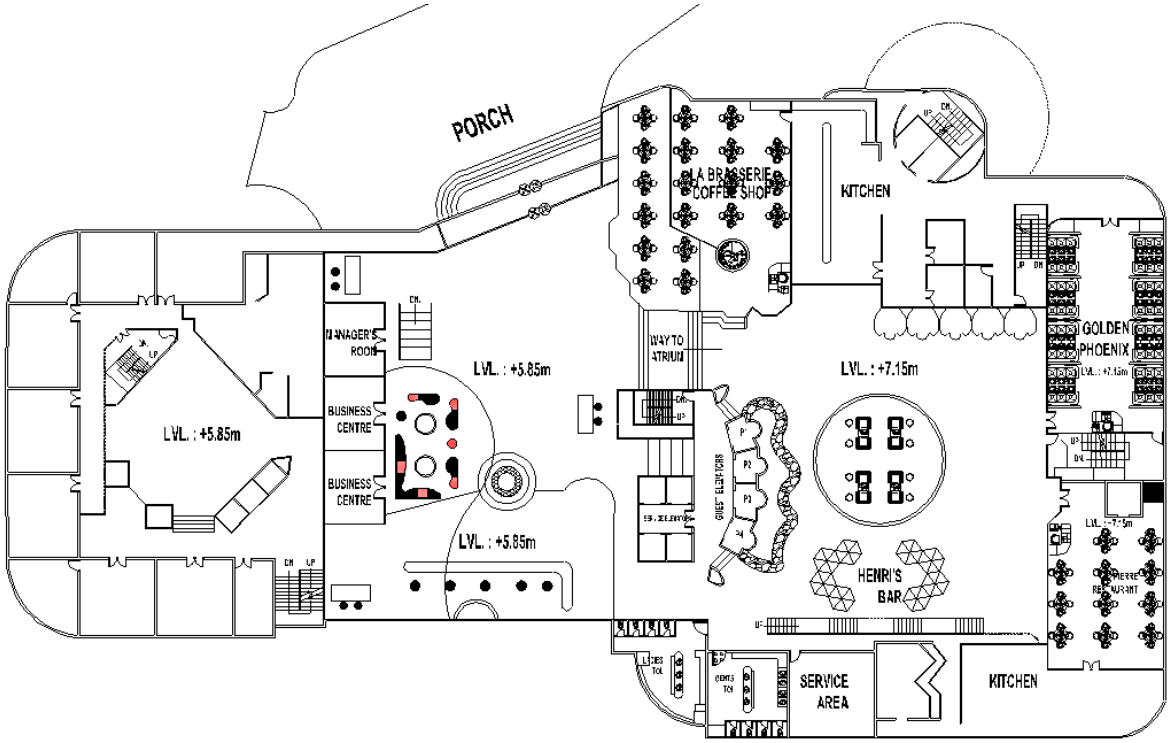


BALL ROOM

BUSINESS CENTRE

DECK AREA OF ALURE

❑ GROUND FLOOR PLAN



❑ ELECTRICITY & POWER BACKUP

I. SANCTIONED LOAD : 1500 KW

II. TRANSFORMERS: 1 NOS. OF 1500 KVA

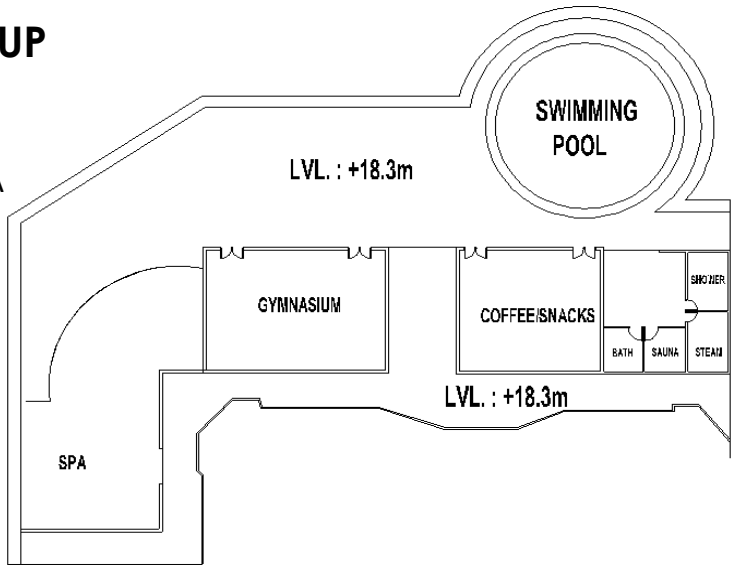
III. 1 LT PANEL WITH 11 KV STABILIZER

IV. GENERATORS: 5 NOS.

a. 3 DGS OF 1000 KVA EACH

b. 1 DG OF 1250 KVA

c. 1 DG OF 200 KVA



❑ WATER SUPPLY & TREATMENT

SOURCE: BORE WELL

-TOTAL FOUR TYPES OF WATER TANKS ARE THERE

- 3 NO. OF RAW WATER TANKS:60 KL. EACH
- 2 NO. OF FRESH WATER TANK:120 KL. EACH
- 2 NO. OF TREATED WATER TANK.
- 2 NO. OF FIRE WATER TANK:100 KL. EACH

❑ SEWAGE

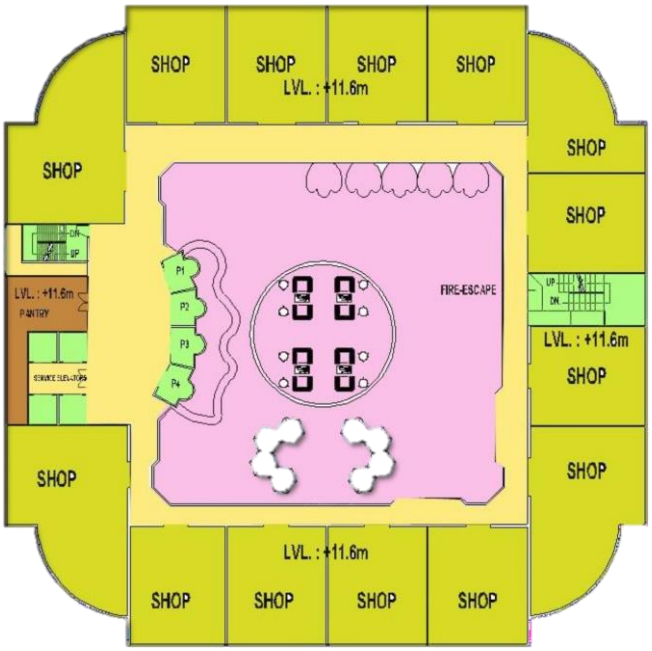
INCLUDE BOTH LIQUID AND SOLID WASTE.

VERTICAL SHAFTS ARE PROVIDED FOR SEWAGE.

GUEST FLOOR--- SERVICE FLOOR---LOWER FLOOR--- TO UNDERGROUND PIPES---MASTER PIT---TO MAIN SEWER.

TO HAVE WORKING SPACE AND TO HAVE EASY ACCESS VERTICAL SHAFTS ARE PROVIDED AT EACH FLOOR.

❑ SECOND FLOOR PLAN

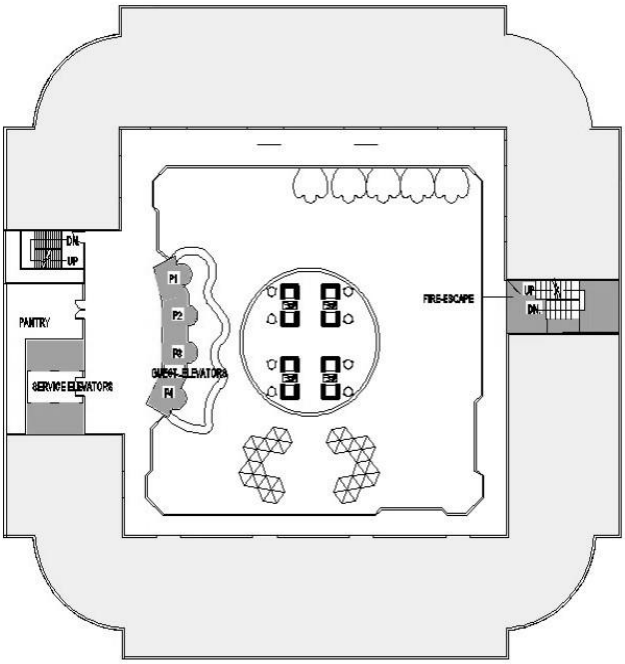


SHOPS

LIFT & FIRE EXIT

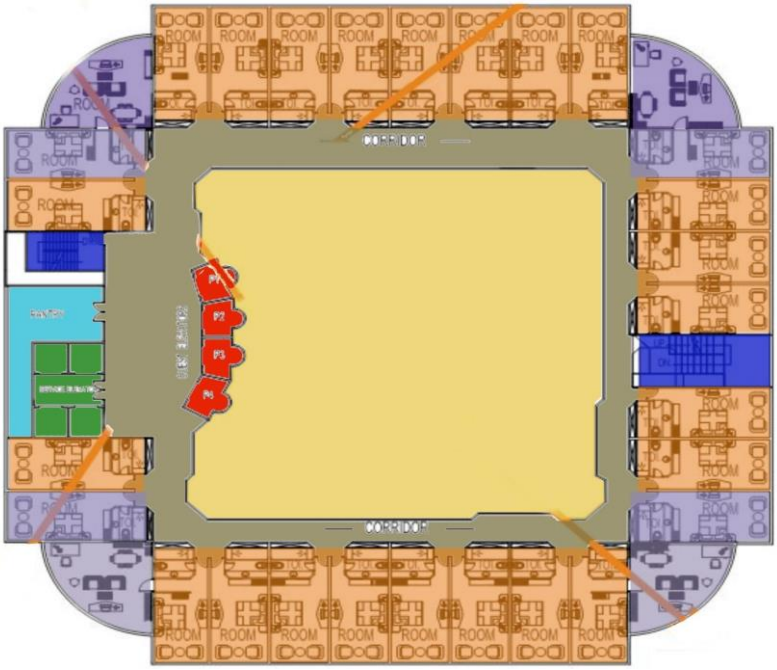
CIRCULATION

❑ SERVICE FLOOR PLAN



TWINS DELUXE ROOM

❑ 5TH TO 18TH FLOOR PLAN



SUITE ROOM

PANTRY

SERVICE ELEVATORS

PASTRY SHOP BELOW

DELUXE ROOM

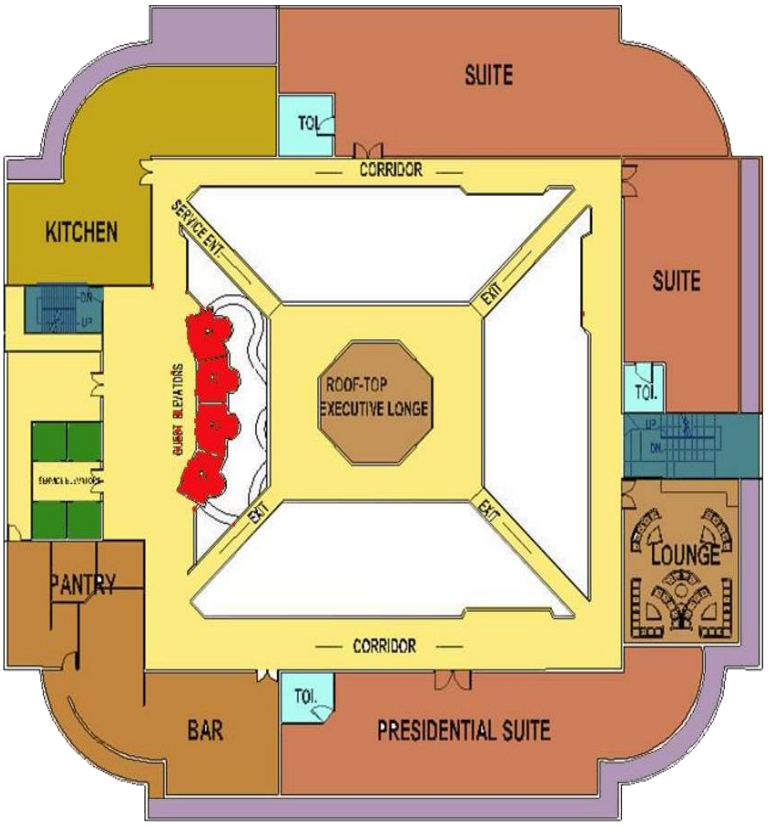
FIRE STAIRCASE

GUEST ELEVATORS

CORRIDOR

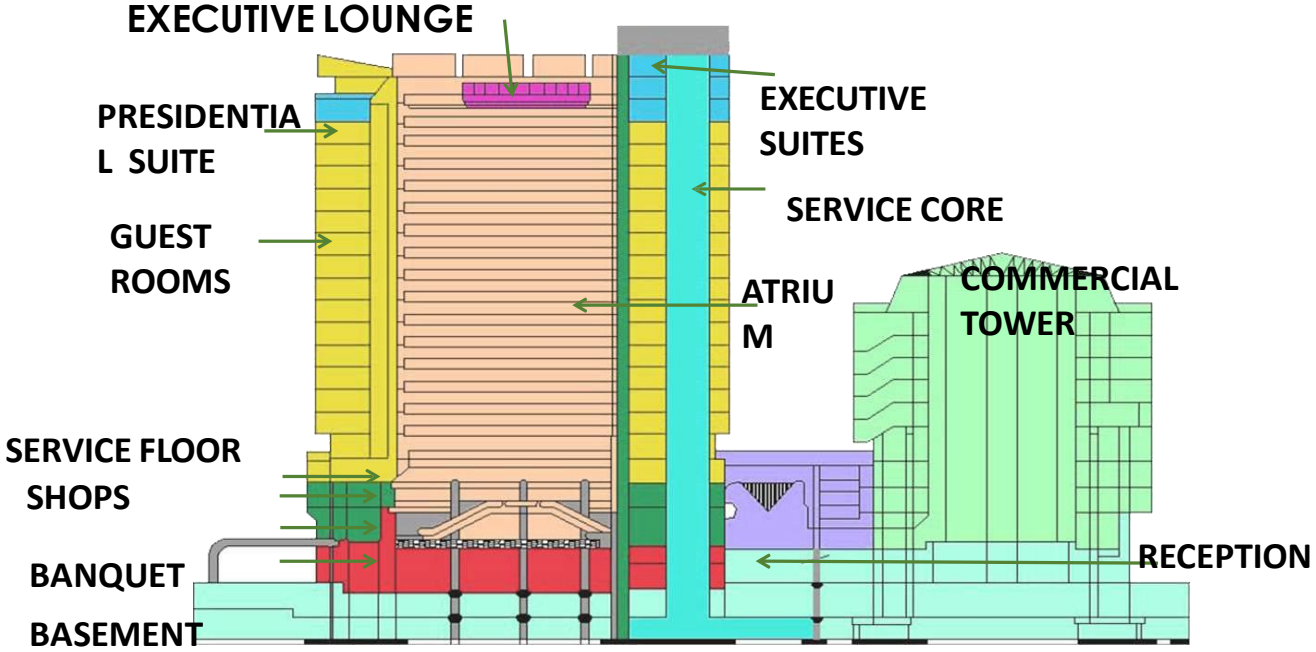
2 BEDROOM RESIDENTIAL SUITE

❑ TWENTIETH FLOOR PLAN



CLUB LOUNGE

LONGITUDINAL SECTION
EXECUTIVE LOUNGE

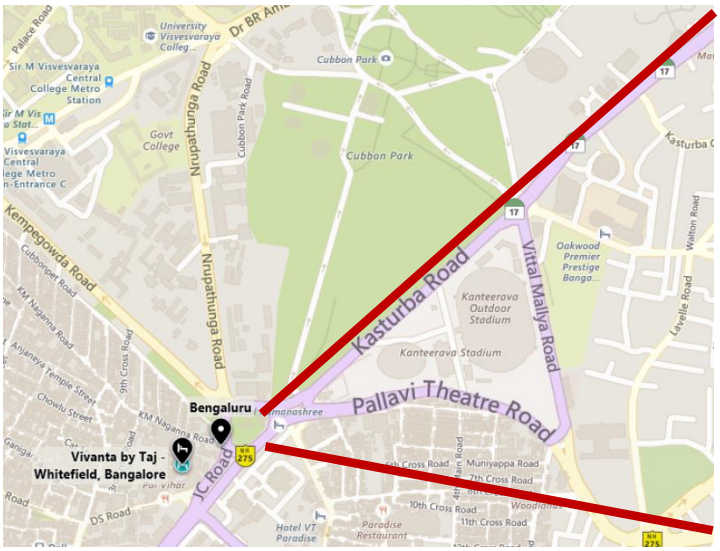


TOTAL HEIGHT-69.7M APPROX.

LITERATURE STUDY:- 1
HOTEL VIVANTA by TAJ, BANGLORE

VIVANTA
WHITEFIELD BANGALORE
BY TAJ

❑ HOTEL VIVANTA by TAJ, BANGLORE



BANGALORE MAP

SATELLITE IMAGE

❑ INTRODUCTION TO THE BUILDING

ARCHITECT	WOW ARCHITECTS | WARNER WONG DESIGN.
CLIENT	THE INDIAN HOTELS COMPANY LIMITED.
COMPLETED	2009
LOCATION	WHITEFIELD, BANGALORE, KARNATAKA, INDIA.
CONNECTIVITY	STANDING AT THE MAIN ENTRANCE TO THE ITPB, LOCATED 45 KM AWAY FROM THE AIRPORT, 18 KM AWAY FROM THE CBD OF THE CITY.

SITE AREA	4.85 ACRES.
PARKING	AT BASEMENT
GROUND COVERAGE	
F.A.R	35%
HEIGHT	2.5
NO. OF FLOORS	25 - 30 METRE.
	B + G + 5

TOTAL NO. ROOMS	199
TYPES OF ROOMS	7 (3 TYPE ROOMS) (3 TYPE SUITES) (1 PRESIDENTIAL SUITE)
RESTAURANT	3
BAR	2
BANQUET & CONFERENCE	1

❑ APPROACH TO SITE

ITPL METRO STATION
200 M

SGT RAILWAY STATION
2 KM

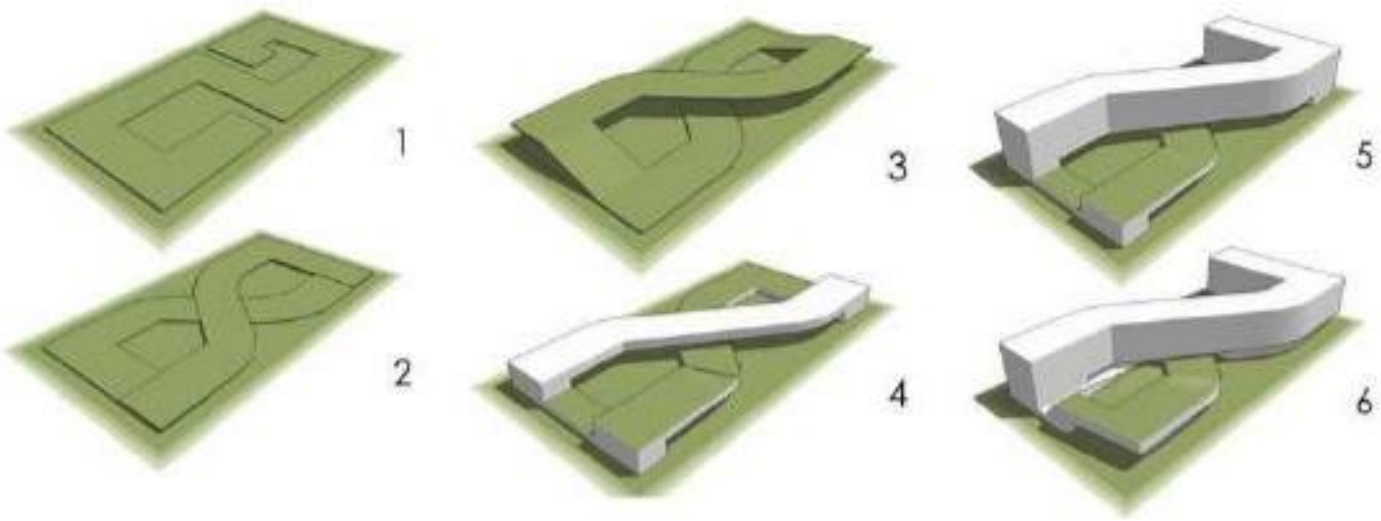
ITPL BUS STAND
2.9 KM

HAL AIRPORT 11 KM

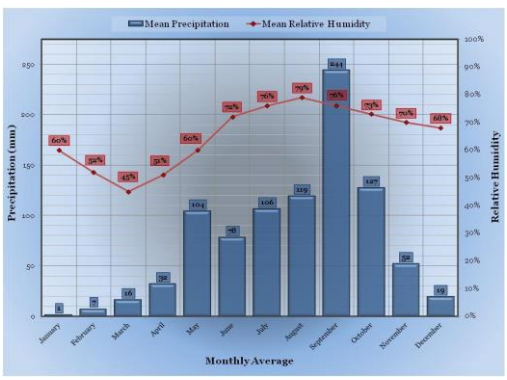
❑ SITE PLANNINAG

- CONCEPT IS LANDSCAPE OVER SKYSCRAPER.
- DESIGNED TO BLENDS BUILDING WITH EARTH.
- ENTRY FROM THE SIDE ROAD WHERE AS EXIT IS ON THE MAIN ROAD.
- SERVICE ENTRY IS ALSO FROM THE SIDE ROAD.
- SHAPE OF THE BUILDING IS INSPIRED FROM 8 – SHAPE.
- SWIMMING POOL IS SITUATED ON THE 1ST FLOOR.
- OPEN LAWN IS PROVIDED ON 2ND FLOOR.
- BANQUET HALL IS POSITIONED ON 1ST FLOOR WHICH IS DOUBLE HEIGHTED.
- STRUCTURE IS LIGHTEN AS THE HEIGHT INCREASES WITH EVERY FLOOR.

❑ CONCEPT



❑ CLIMATIC ZONE AND WEATHER CONDITIONS



TEMPERATURE

- **SUMMER**
  - MAX 35°C
  - MIN 17°C
- **WINTER**
  - MAX 30°C
  - MIN 15.8°C

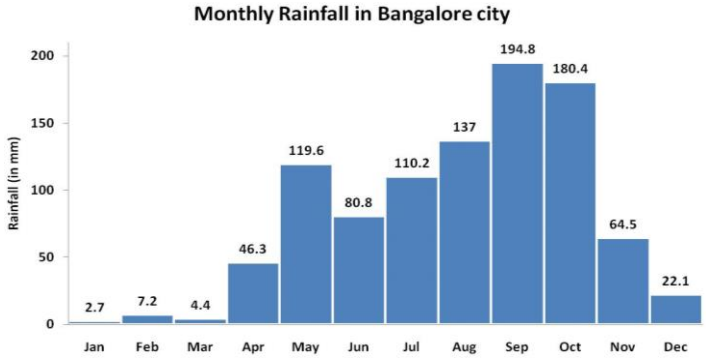
Rainfall

Max Annual

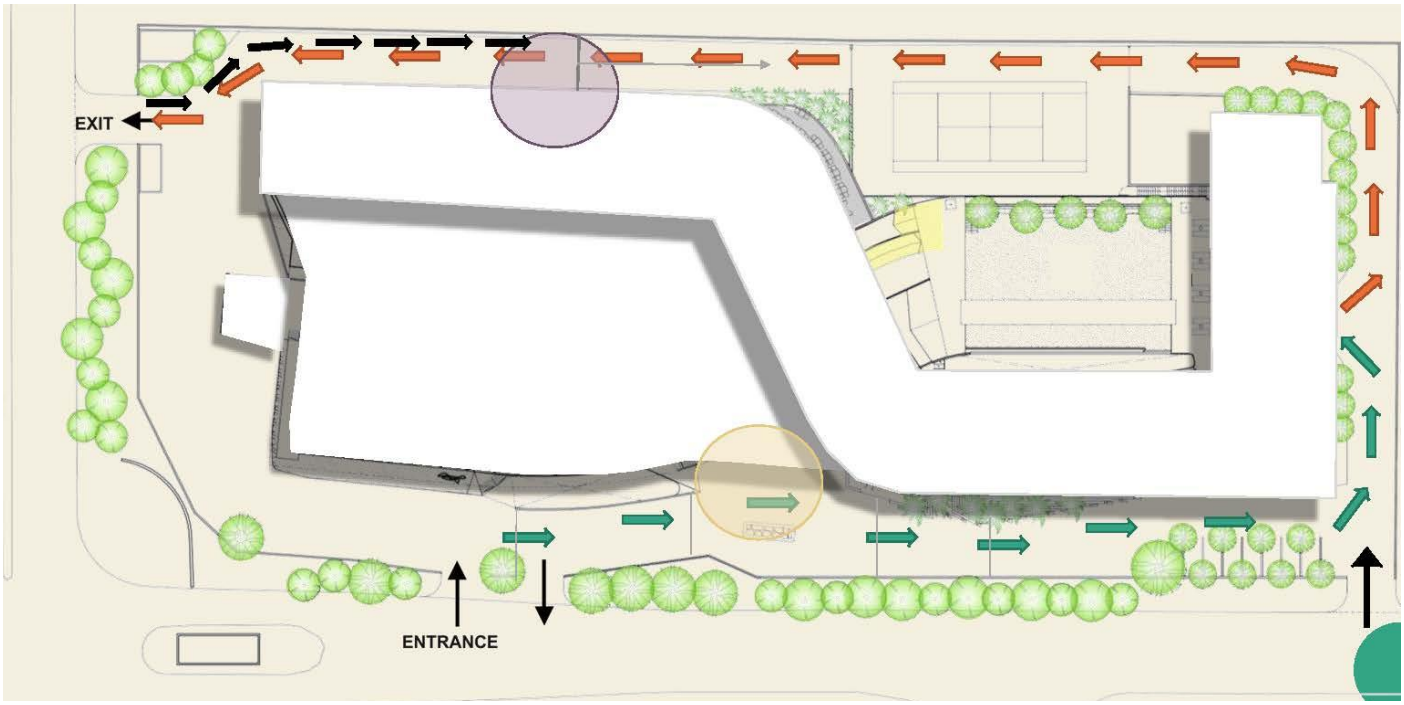
EVENLY DISTRIBUTED THROUGHOUT THE YEAR.
IN SEPTEMBER.
500MM AVERAGE.

GEOGRAPHICAL LOCATION

LATITUDE	12°59'N
LONGITUDE	77°35'E
ALTITUDE	920M FROM SEA LEVEL.
SOIL TYPE	ALLUVIAL SOIL.
BEARING CAPACITY	13 TONNES PER SQM.
WIND DIRECTION	DOMINANT WIND SW TO NE.

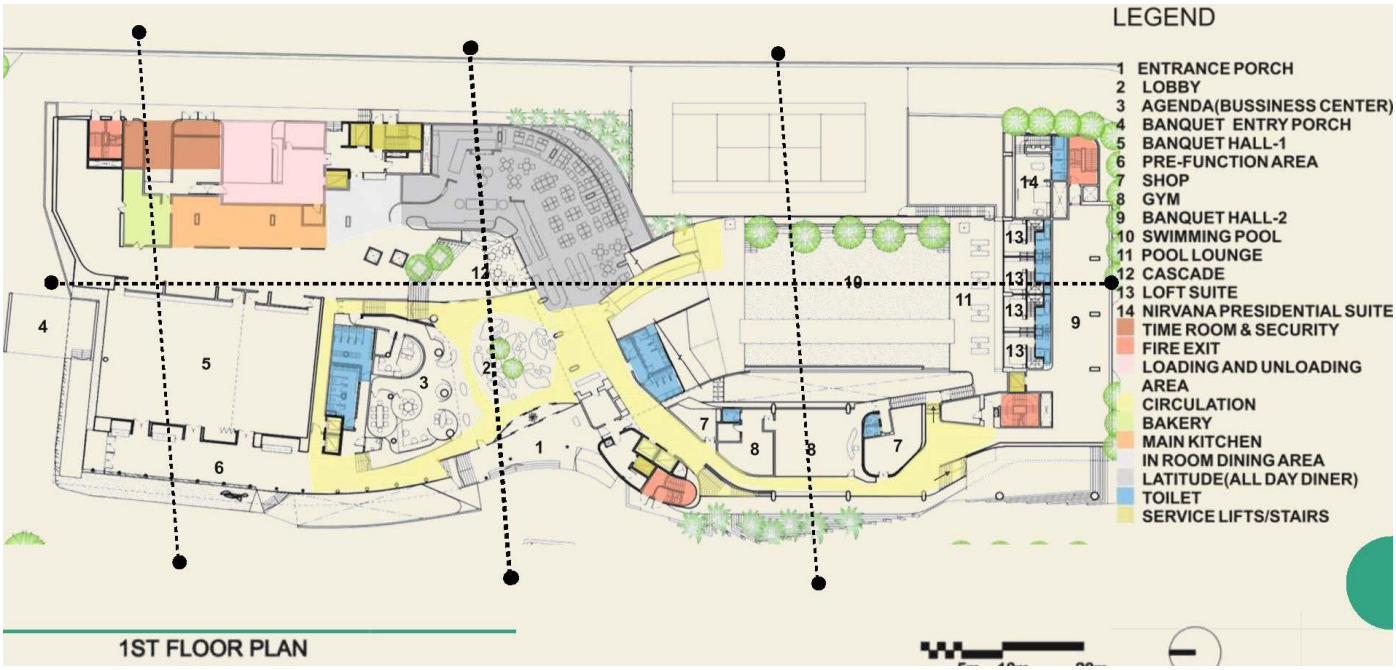


SITE PLAN



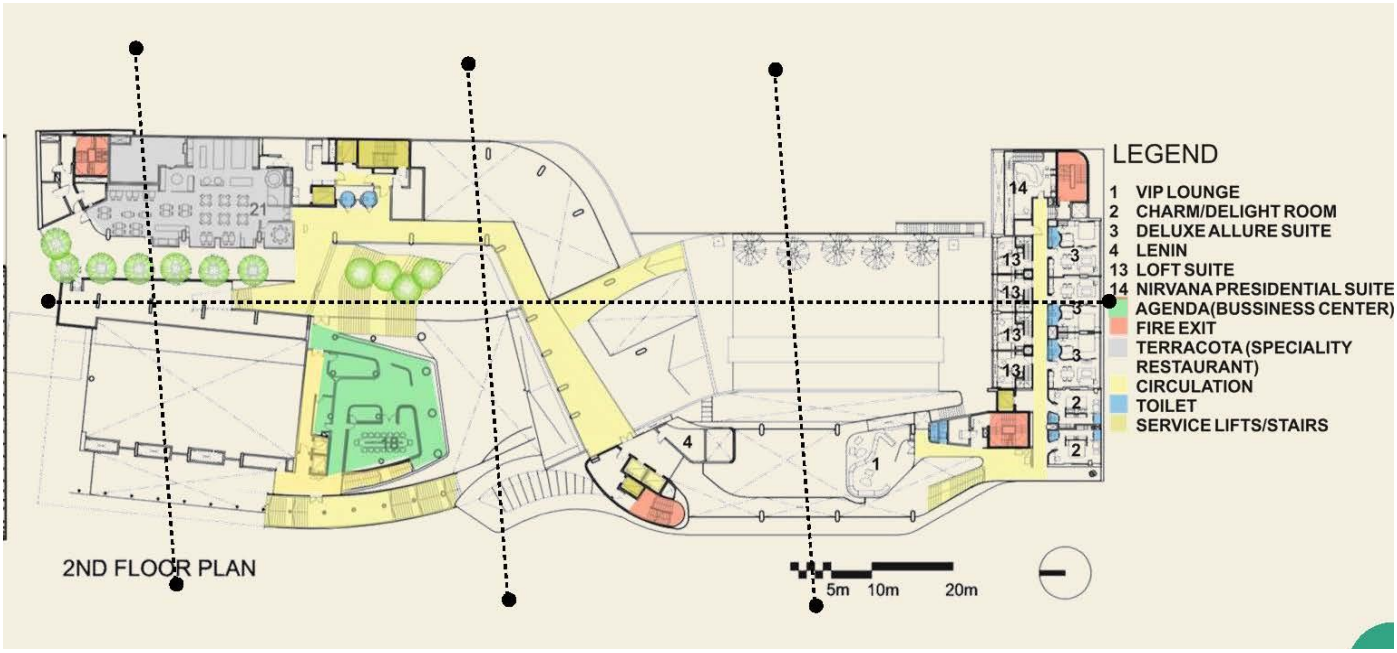
❑ Hotel Features

- GROUND FLOOR MAINLY CONSIST OF HOTEL SERVICES AND RESTAURANT AND BAKERY ALONG WITH OFFICE AREA AND STAFF AREAS.



1ST FLOOR

- 1ST FLOOR CONSIST OF BANQUET HALL – 1 & 2.
- SHOPS WITH GYM AND POOL LOUNGE.
- NIRVANA PRESIDENTIAL SUITE AND LOFT SUITES.
- LATITUDE RESTAURANT AND BAKERY.
- MAIN KITCHEN WITH OTHER SERVICES.
- SWIMMING POOL (25.15X10.75X1.2)M AND SEPARATE KIDS POOL (25.15X3X0.18 – 0.65)M

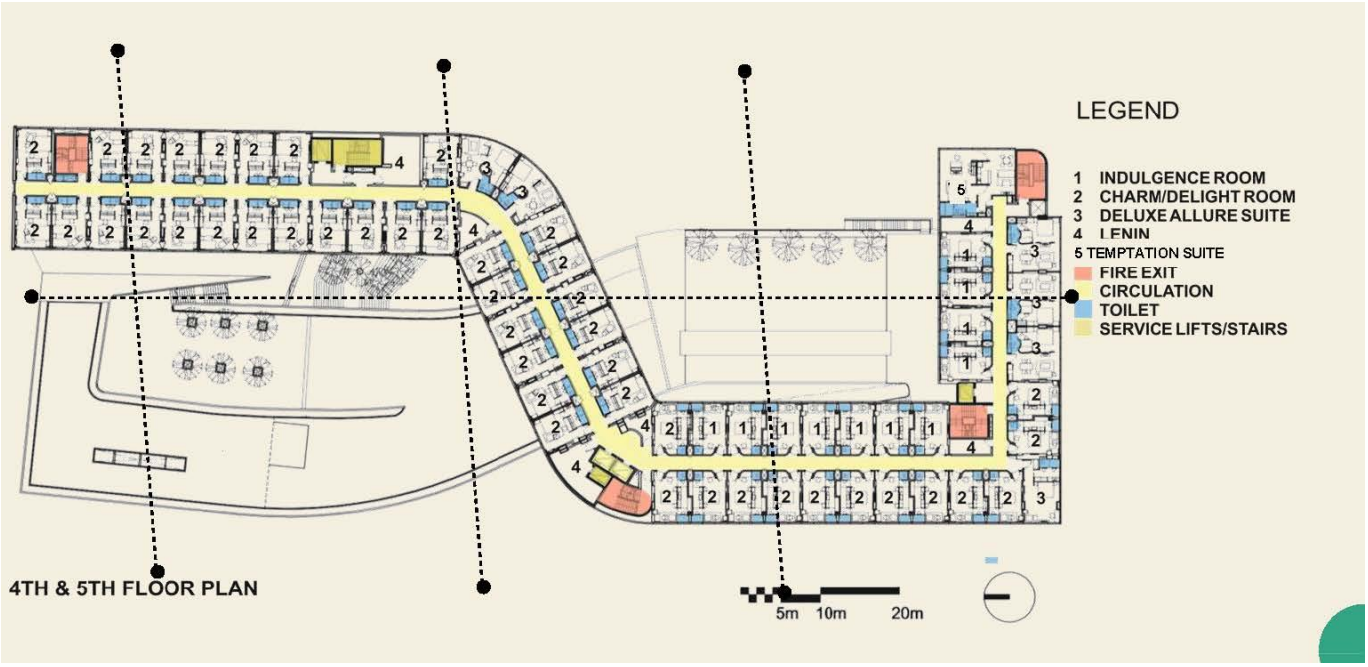


2ND FLOOR

- VIP LOUNGE AND DELIGHT ROOMS
- DELUXE SUITES AND LOFT SUITE.
- PRESIDENTIAL SUITE (DOUBLE HEIGHT).
- BUSINESS CENTRE AND TERRACOTTA RESTAURANT.

3RD FLOOR

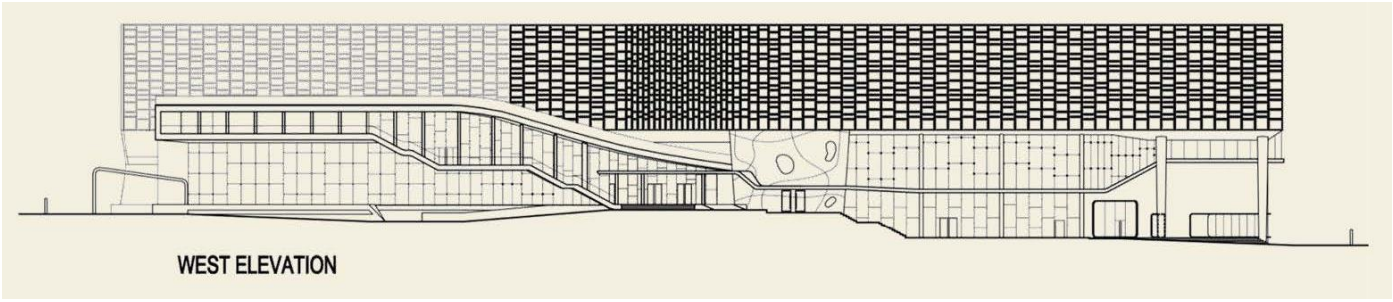
- INDULGENCE ROOM AND DELIGHT ROOMS.
- DELUXE SUITES WITH TEMPTATION SUITES.
- TEASE BAR & RESTAURANT WITH OPEN LAWN SEATING.
- TEASE KITCHEN.

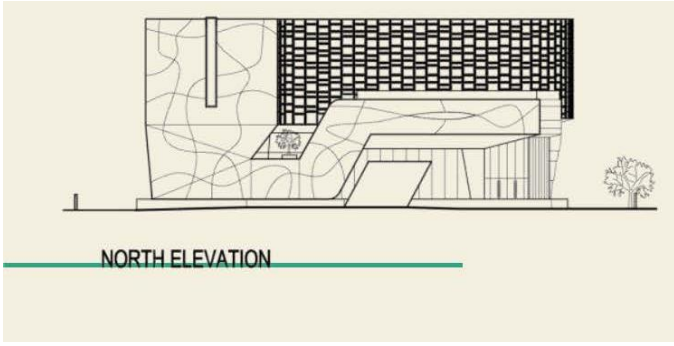


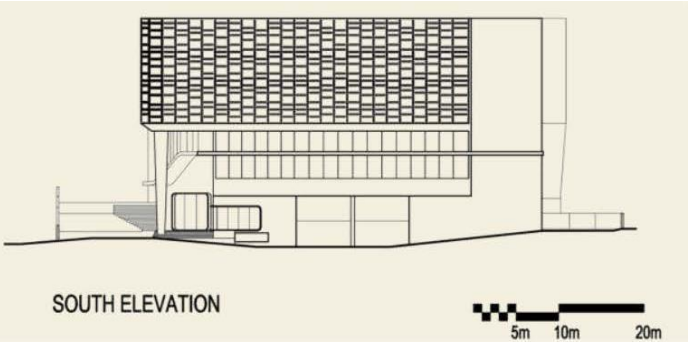
4TH & 5TH FLOOR

- INDULGENCE ROOM AND DELIGHT ROOMS.
- DELUXE SUITES WITH TEMPTATION SUITES.
- AND ROOM SERVICES (LINEN ROOM, ETC).

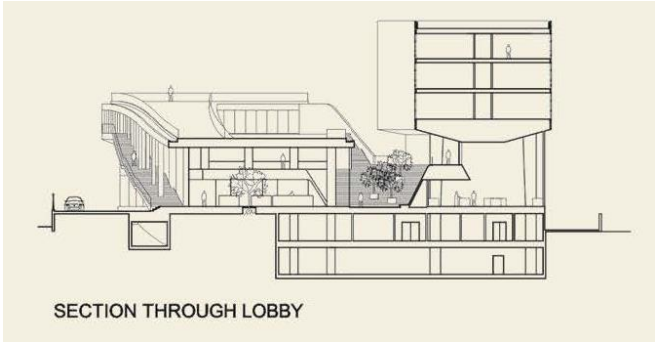
❑ ELEVATION

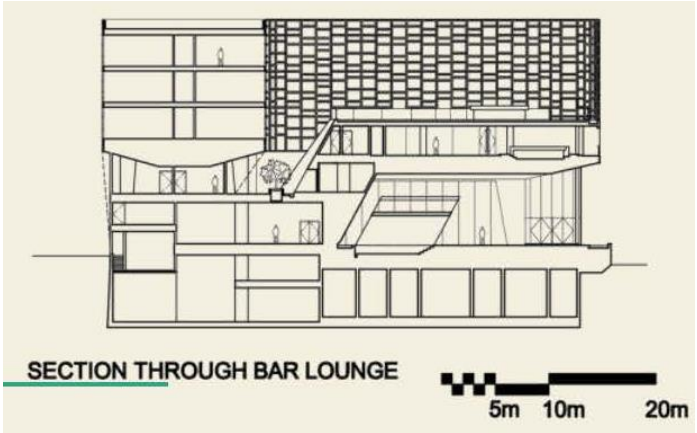


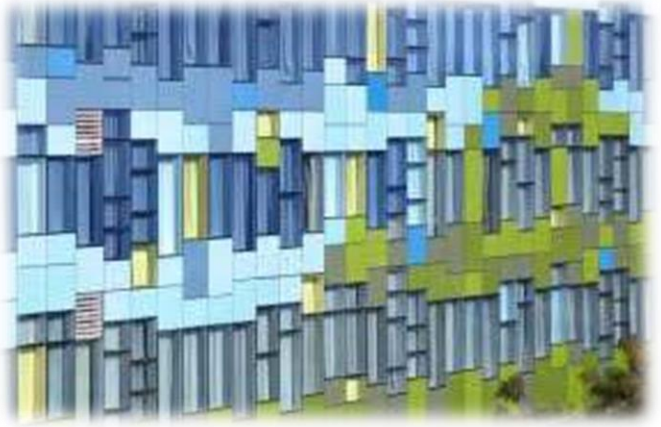




❑ SECTION







❑ HOTEL FACILITIES

NAME	CONCEPT / CUSINE	COVERS	AREA
LATITUDE	ALL DAY DINING-INSPIRED WORLD CUSINE	100	579 SQ.M.
TERRACOTTA	INDIAN FOOD	80	314 SQ.M.
TEASE	HIGH ENERGY BAR	66	315 SQ.M.
CARAMEL	BAKERY \ TEA SHOP	12	21 SQ.M.
TEASE LAWN	EVENTS	-	465 SQ.M.
BANQUETS	EVENTS	600	513 SQ.M.

RECREATION

- FITNESS CENTRE (GYM).
- SPA – JIVA
- LOUNGE – RHYTHM
- CONFERENCE ROOM
- BUSINESS CENTRE
- RESTAURANT & BARS
- BANQUET
- BALLROOMS

❑ ROOM TYPES AND SIZES

Superior Charm 89 ROOMS 327 SQ.FT.
Deluxe Delight 48 ROOMS 327 SQ.FT.
Premium Indulgence 33 ROOMS 327 SQ.FT
Deluxe Suite 21 ROOMS 447 SQ.FT.
Temptation Suite 3 ROOMS 770 SQ.FT.
Loft Suite 4 ROOMS 925 SQ.FT.
Nirvana – The Presidential suite 1 ROOM 970 SQ.FT.

ROOM TYPE	NO	AREA	TOILET AREA
SUPERIOR CHARM	89	30 SQ.M.	2.5 SQ.M.
DELUX DELIGHT	48	30 SQ.M.	2.5 SQ.M.
PREMIUM INDULEGENCE	33	30 SQ.M.	2.5 SQ.M.
DELUX ALLURE SUITE	21	41 SQ.M.	2.2 SQ.M.
TEMPETATION SUITE	3	71 SQ.M.	2.6 SQ.M.
LOFT SUITE	4	85 SQ.M.	2 SQ.M.
PRESIDENTIAL SUITE	1	90 SQ.M.	3 SQ.M.

LOFT SUITE

- 925 SQ.FT. WITH DOUBLE HEIGHT.
- FACE THE SWIMMING POOL.
- ACCESS FROM THE UPPER FLOOR.
- UPPER LEVEL INCLUDE LIVING ROOM, TOILET AND STUDY SPACE.
- LOWER LEVEL INCLUDES BEDROOM AND TOILET.

TEMPTATION SUITE

- 770 SQ.FT. WITH DOUBLE HEIGHT.
- FACE THE SWIMMING POOL.
- ACCESS FROM THE UPPER FLOOR.
- UPPER LEVEL INCLUDE LIVING ROOM, TOILET AND STUDY SPACE.
- LOWER LEVEL INCLUDES BEDROOM AND TOILET.

LOFT SUITE

NIRVANA PRESIDENTIAL SUITE

- 970SQ.FT. WITH DOUBLE HEIGHT.
- FACE THE SWIMMING POOL.
- ACCESS FROM THE UPPER FLOOR.
- UPPER LEVEL INCLUDE LIVING ROOM, TOILET AND STUDY SPACE.
- LOWER LEVEL INCLUDES BEDROOM AND TOILET.

TEMPTATION SUITE

❑ RESTAURANT & BAR

LATITUDE	6239 SQ.FT.
TERRACOTTA	3389 SQ.FT.
TEASE	3401 SQ.FT
CARAMEL	230 SQ.FT
BANQUET	5527 SQ.FT

❑ MATERIAL

- WORKMANSHIP DEFECTS EMBRACED- RAW RUSTIC LOOK.
- BUSH – HAMMER FINISH, ENHANCING OR HIDING THE TEXTURE OF EXPOSED CONCRETE.
- IN PLACES WHERE CONCRETE IS INAPPROPRIATE – STONE OR TIMBER PANELLING.
- 'FLUX LINES' EMBEDDED IN CONCRETE INTERIOR AND EXTERIOR- SYMBOLIZE BRAND, AVOID/CONCEAL EXPANSION JOINTS.
- ALL LOCAL MATERIALS TO AVOID CARBON EXPENDITURE.
- GROUND PLANE BECOMES GREEN ROOF.
- HIGHLY REFLECTIVE GLASS WITH DARK AND LIGHT TINTED ONES – SAVE ENERGY.

❑ SERVICES

- LINEN ROOM WHICH ACCOMMODATES 4 ROTATIONS OF CLOTHES.
- SUPPORT KITCHEN -MAJOR STORAGE AND PRELIMINARY CUTTING.
- IN HOUSE DOCTOR – DOCTOR FOR ONE HOUR AND ON CALL.
- DEPARTMENTS

1. FINANCE
2. SALES
3. FOOD AND BEVERAGE
4. LEARNING AND DEVELOPMENT
5. SECURITY
6. FRONT OFFICE/RECEPTION

- LT/HT/HVAC SITUATED IN THE BASEMENT.
- WASTE WATER TREATMENT ROOM.
- SEWAGE TREATMENT PLANT.

SWIMING POOL

NIRVANA PRESIDENTIAL SUITE

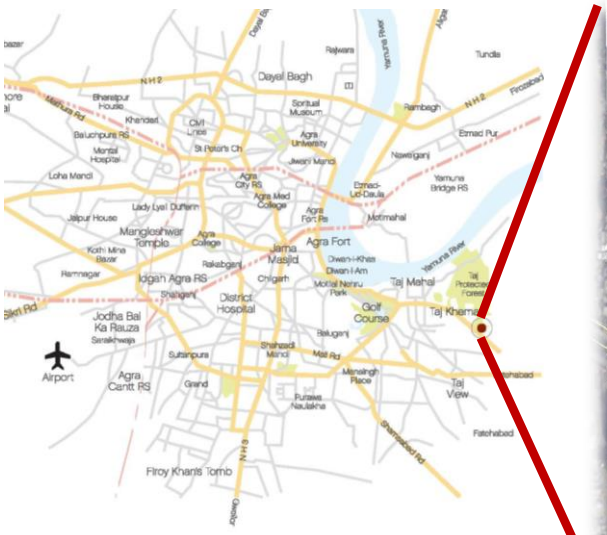
ALLURE SUITE

CHARM &DELIGHT ROOM

LITERATURE STUDY:- 2
ITC MUGHAL SHERATON (AGRA)

ITC HOTELS
RESPONSIBLE LUXURY

❑ ITC MUGHAL SHERATON (AGRA)



AGRA MAP | SATELLITE IMAGE

❑ INTRODUCTION TO THE BUILDING

ITC MUGHAL IS ONE OF THE MOST LUXURIOUS HOTELS IN AGRA AND THE ONLY HOTEL IN INDIA WHICH HAS WON THE PRESTIGIOUS **AGA KHAN** AWARD FOR ITS EXCELLENT REPRESENTATION OF THE GREAT MUGHAL ARCHITECTURE. THE HOTEL HAS LAUNCHED A NEW WING THE 'KHWAB MAHAL PALACE OF DREAMS. IT GIVES A SIGHT OF MUGHAL ESENCE WITH THE WORLD CLASS LUXURY.

ARCHITECT	ARCOP DESIGN
CLIENT	ITC (INDIAN TOBACCO COMPANY OF INDIA LT.)
COMPLETED	1976
LOCATION	TAJ GANJ, AGRA, UTTAR PRADESH, INDIA.
CONNECTIVITY	KHERIA AIRPORT – 10 KM. RAILWAY STATION – 6 KM. TAJ MAHAL – 1.5 KM. RED FORT AGRA – 3.6 KM.

TOTAL NO. ROOMS	233
TYPES OF ROOMS	6 (3 TYPE ROOMS) (3 TYPE SUITES)
RESTAURANT	3
BAR	2
BANQUET & CONFERENCE	1

SITE AREA	35 ACRES.
PARKING	100 CARS (GUEST) SEPARATE STAFF PARKING.
GROUND COVERAGE	30%
F.A.R	2.5
HEIGHT	15 - 20 METRE.
NO. OF FLOORS	B + G + 2

CONCEPT

- TRADITION OF COURTYARDS
- PAVILIONS
- FORMAL GARDENS REFLECTING THE MUGHAL EMPIRE.
- REPETITIVE L-SHAPED FORM PLANNING TO ACCOMMODATE THE COURTYARDS AND CONNECTTHEM WITH THE ROOMS.

❑ CLIMATIC ZONE AND WEATHER CONDITIONS

GEOGRAPHICAL LOCATION

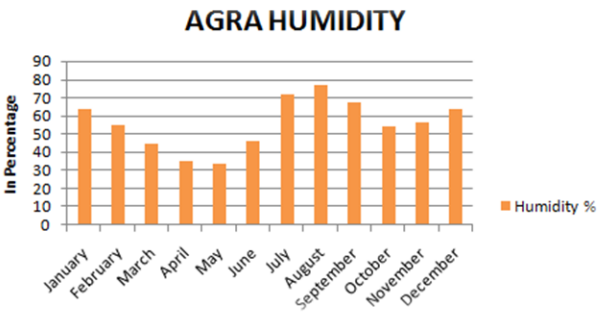
LATITUDE	27°10'N
LONGITUDE	78°02'E.
ALTITUDE	169M FROM SEA LEVEL.
LOCATION	SOUTH – WEST OF UTTAR PRADESH.
	FLAT LAND.
TOPOGRAPHY	ALLUVIAL SOIL.
SOIL TYPE	13 TONNES PER SQM.
BEARING CAPACITY	DOMINANT WIND
WIND DIRECTION	SW TO NE.

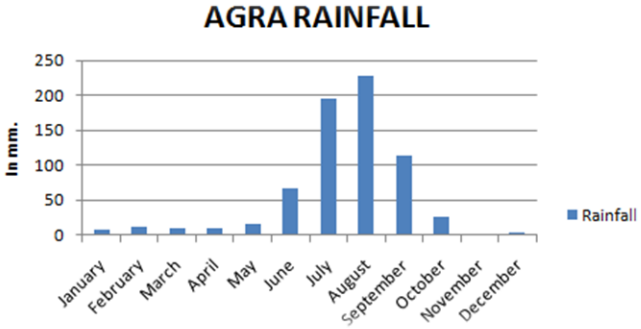
HUMIDITY

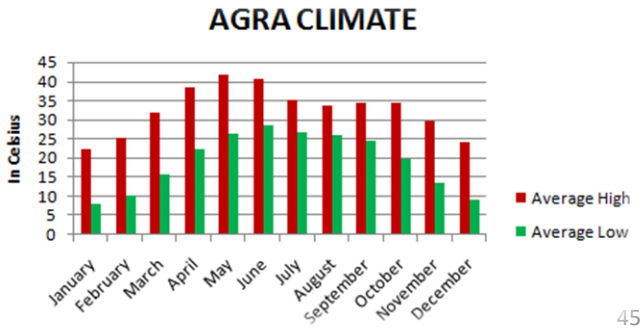
MIN	34% (During May)
MAX	81% (During August)
AVG	55% - 60%

TEMPERATURE

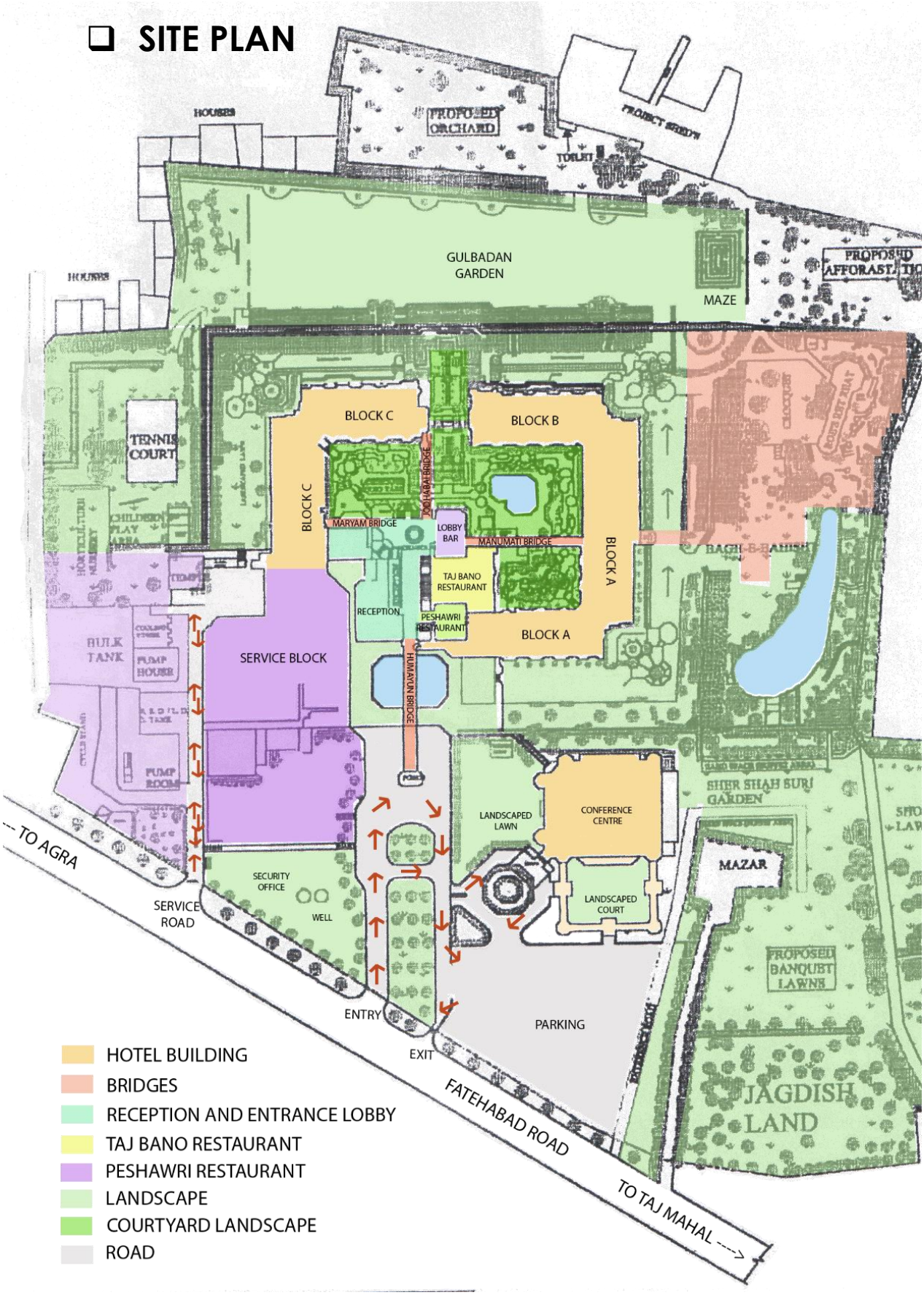
• **SUMMER**	
MAX	45°C
MIN	21.9°C
• **WINTER**	
MAX	31.7°C
MIN	4.2°C



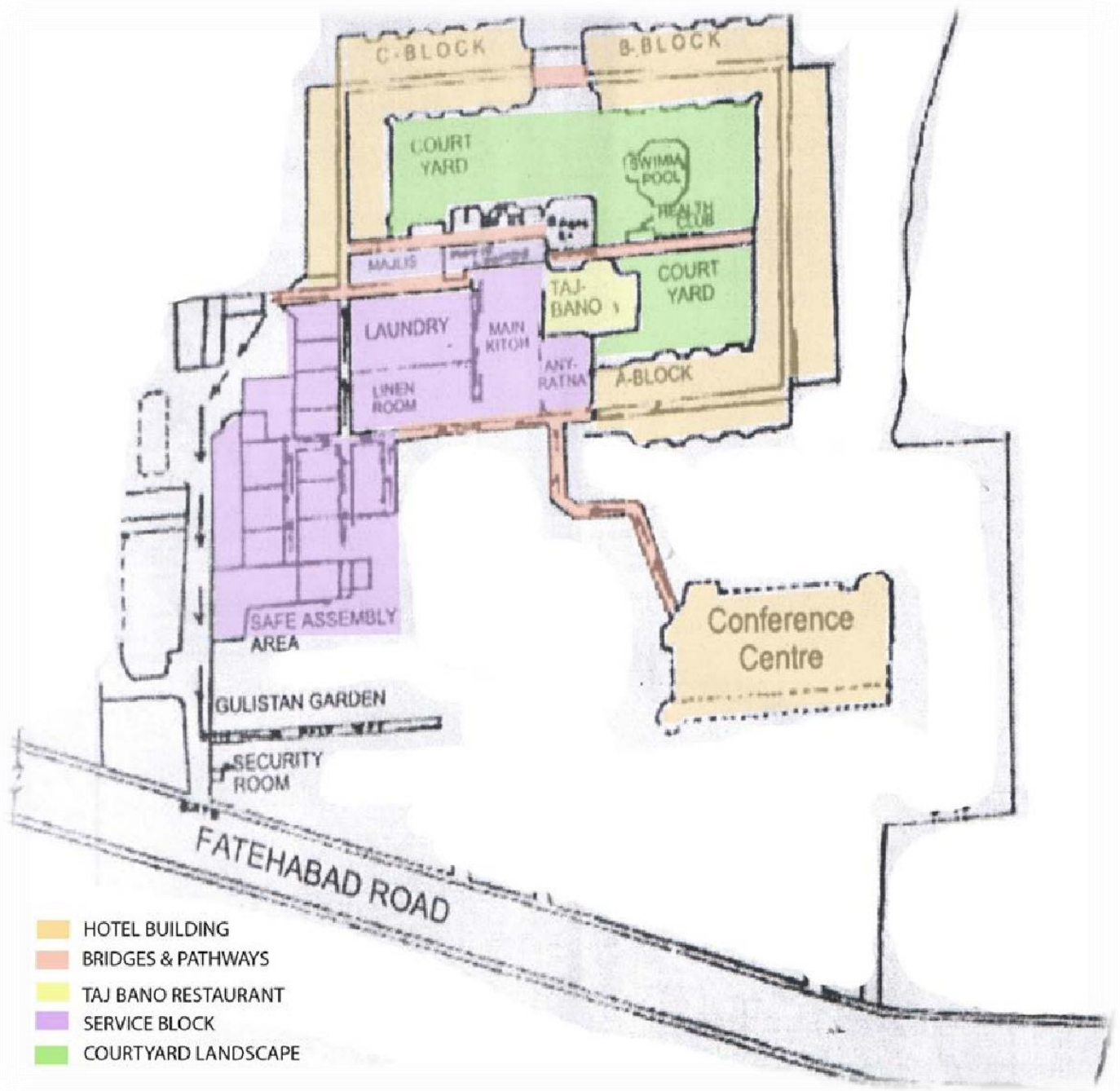




❑ SITE PLAN


PROPOSED ORCHARD
TOILET
GULBADAN GARDEN
MAZE
TENNIS COURT
BLOCK C
BLOCK B
BLOCK A
MARYAM BRIDGE
LOBBY BAR
MANUMATI BRIDGE
TAJ BANO RESTAURANT
RECEPTION
PESHAWRI RESTAURANT
SERVICE BLOCK
BULK TANK
PUMP HOUSE
PUMP ROOM
HUMAYUN BRIDGE
LANDSCAPED LAWN
CONFERENCE CENTRE
SHER SHAH SURI GARDEN
MAZAR
LANDSCAPED COURT
SECURITY OFFICE
WELL
SERVICE ROAD
ENTRY
EXIT
PARKING
PROPOSED BANQUET LAWNS
JAGDISH LAND
TO AGRA
FATEHABAD ROAD
TO TAJ MAHAL
HOTEL BUILDING
BRIDGES
RECEPTION AND ENTRANCE LOBBY
TAJ BANO RESTAURANT
PESHAWRI RESTAURANT
LANDSCAPE
COURTYARD LANDSCAPE
ROAD

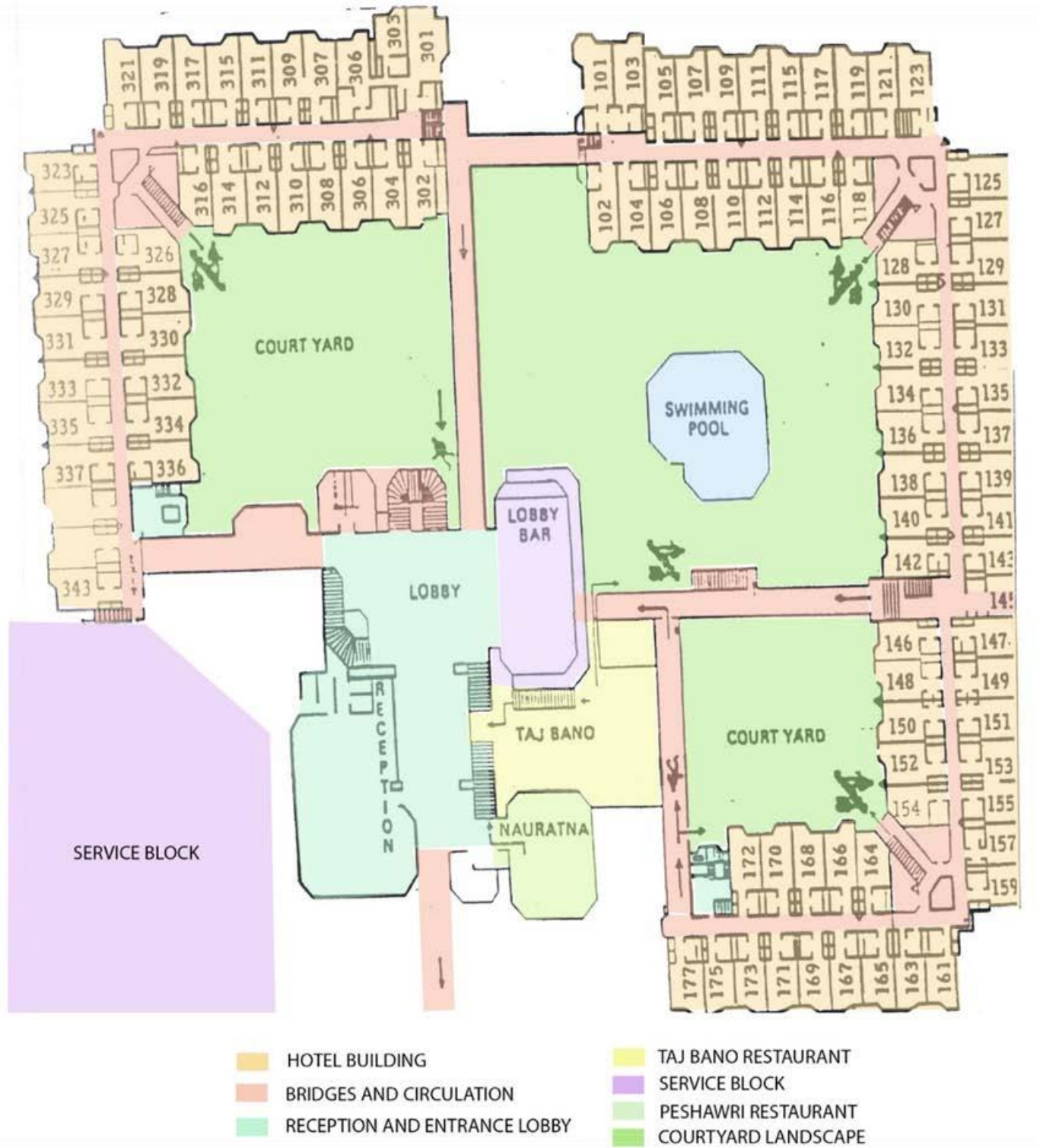
BASEMENT PLAN



BASEMENT PLAN

1. BASEMENT CONTAINS KITCHEN, MECHANICAL EQUIPMENT'S, ADMINISTRATION AND RESTAURANT, BAR, ETC.
2. SERVICE ENTRY AT WEST SIDE OF THE HOTEL
3. SERVICES AT THE BASEMENT.

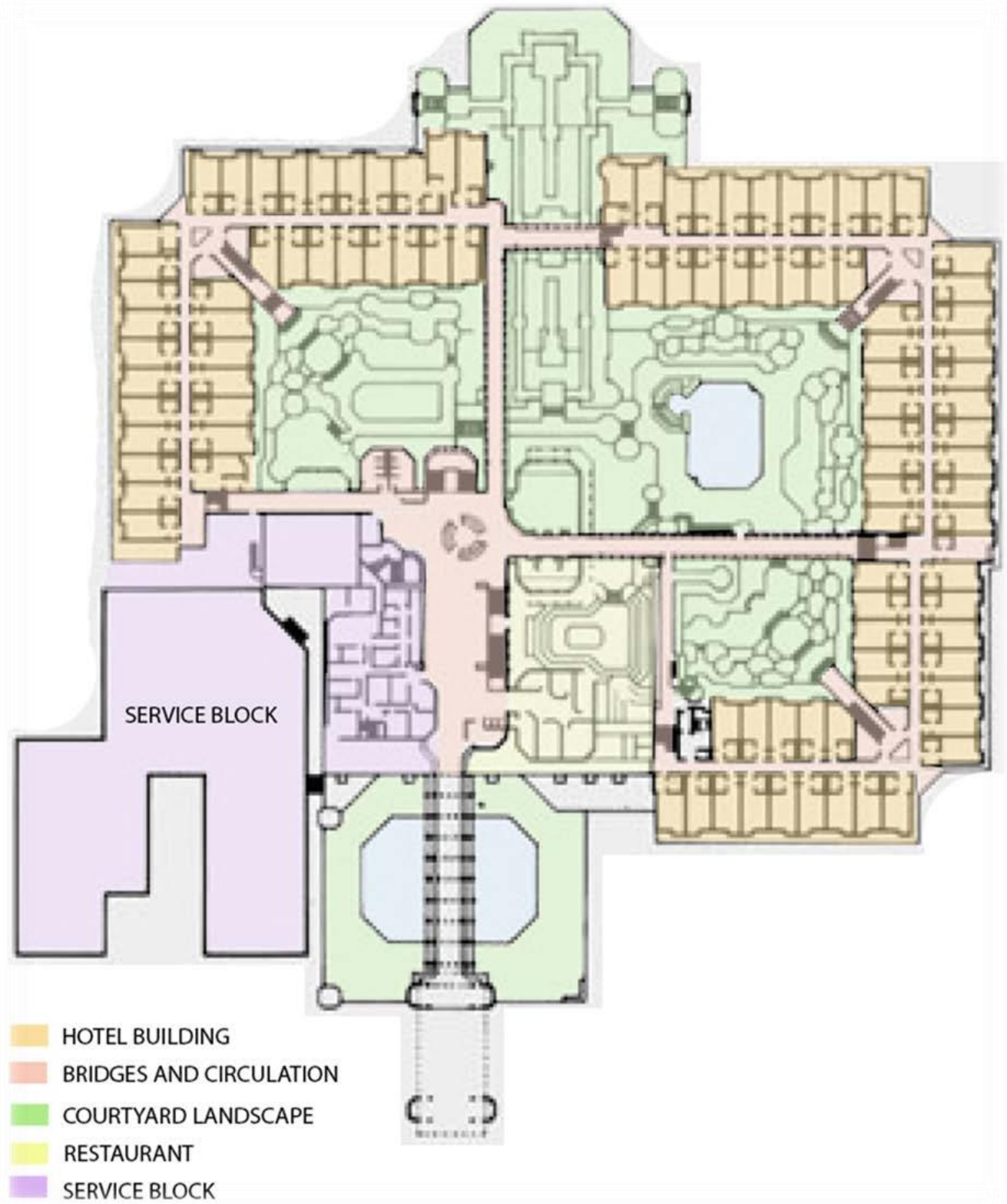
GROUND FLOOR PLAN



GROUND FLOOR PLAN

1.RECEPTION AT THE ENTRANCE LEADING TO LOBBY BAR.
2.CONNECTS THE 3 COURTYARDS AND ROOMS.
3.CONSIST OF 2 RESTAURANTS.
4.ENTRY FROM BRIDGE OVER WATER BODY.

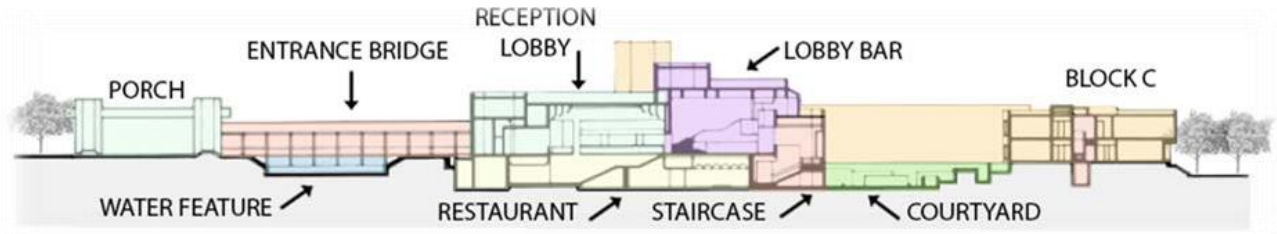
FIRST FLOOR PLAN



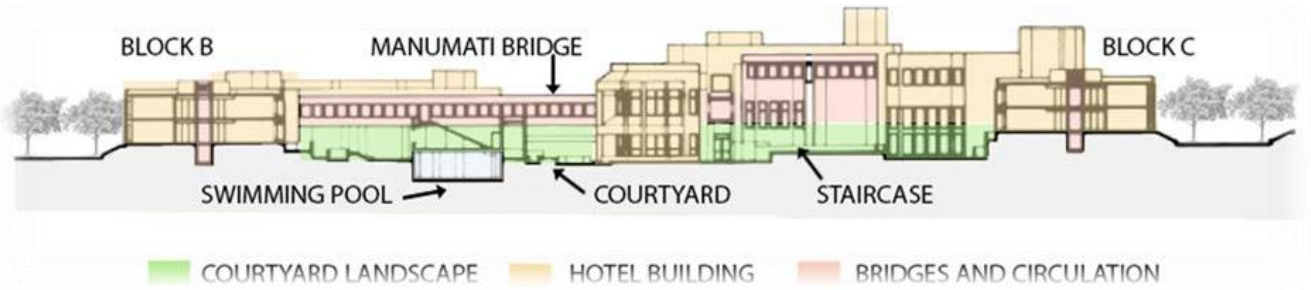
1ST FLOOR PLAN

1.ALL DAY DINING AT THE 1ST FLOOR
2.RESTAURANT (TANDOOR RESTAURANT) SHOW KITCHEN.
3.ROOMS WITH COURTYARD FACING.
4.OUTER FACING ROOMS HAVE GARDEN VIEWS.

SECTION



SECTION Y-Y



LANDSCAPING

1.INTERNAL COURTS L-SHAPED, COURT DIVIDED INTO 3 PARTS WITH BRIDGES SPANNING OVER THEM.
2.IT BORDERS THE CENTRAL OPEN SPACE WITH CHANNELS, DENSE LANDSCAPE ,PREVENTING PEOPLE FROM WALKING NEAR WINDOWS.
3.EXTERIOR SURROUNDS THE HOTEL.
4.GRAND ENTRANCE LEADING TO THE RECEPTION LOBBY FROM WHICH 3 BRIDGES LEAD TO THE GUEST ROOMS.
5.STAIRCASE LEADS DIRECTLY INTO INTERNAL COURTYARDS FROM AISLE FROM GUEST ROOMS.
6.EASTERN COURTYARD IS CONSIST OF SWIMMING POOL.
7.SPA, GYM, BAR IS DIRECTLY ACCESSIBLE FROM TH COURTYARDS.
8.INTERNAL COURTYARDS IS DESIGNED WITH TERRAIN

GUEST ROOMS

- THE HOTEL HAS 233 ROOMS.
- 3 TYPES OF ROOMS.
- 3 TYPES OF SUITES.
- MUGHAL ROOM – 33SQ.M.
- MUGHAL CHAMBERS – 33 SQ.M.
- EVA ROOMS – 33SQ.M.
- ROYAL MUGHAL SUITES – 66 SQ.M.
- PRESIDENTIAL SUITE – 124 SQ.M.
- GRAND PRESIDENTIAL SUITE – 90 SQ.M.

3D View

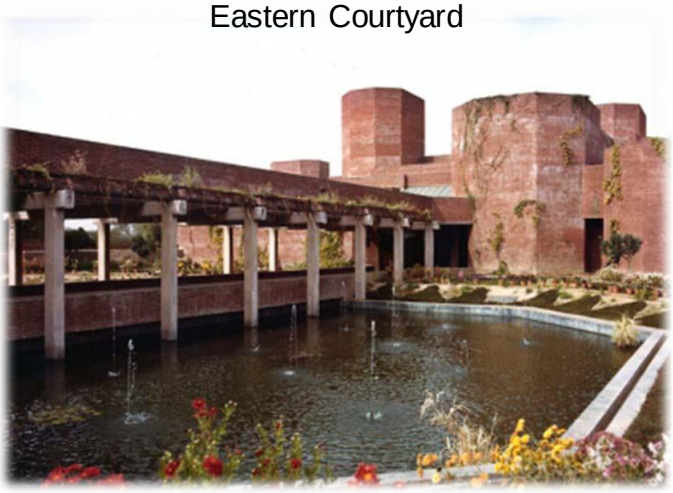
OUTSTANDING FEATURES OFFERED BY HOTEL

- WI-FI ENABLED
- CENTRAL AIR-CONDITIONED
- ELECTRONIC DOOR LOCK
- INDIVIDUAL SAFE
- IRON/IRON BOARD
- TEA/COFFEE MAKER
- MINI BAR
- INTERACTIVE TV WITH REMOTE
- MULTI-CHANNEL MUSIC
- DIRECT DIAL TELEPHONES
- WEIGHING SCALE
- WAKE UP FACILITY
- COMPLIMENTARY NEWSPAPER

Eastern Courtyard

MERITS

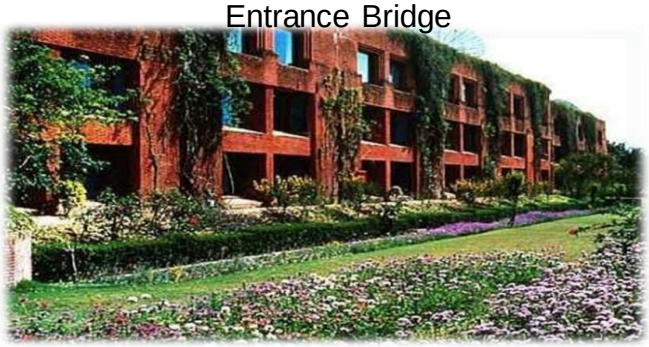
- ALL THREE BLOCKS OF THE HOTEL ARE WELL CONNECTED.
- IT HAS DIFFERENT ENTRIES FOR STAFF AND GUEST.
- DIFFERENT KITCHENS FOR DIFFERENT RESTAURANTS, BANQUET AND FOR SERVICE IN GUESTROOMS.



Entrance Bridge

DE-MERITS

- THE RESTAURANTS CAN'T BE ACCESSED WITHOUT ENTERING THE HOTEL.
- THE VIEW OF TAJ MAHAL IS ONLY LIMITED TO SOUTH FACING ROOMS.



North façade

HOTEL & RESTAURANT APPROVAL & CLASSIFICATION COMMITTEE GUIDELINES (HRACC)

HOTELS ARE AN IMPORTANT COMPONENT OF THE TOURISM PRODUCT. THEY CONTRIBUTE TO THE OVERALL TOURISM EXPERIENCE THROUGH THE STANDARDS OF FACILITIES AND SERVICES OFFERED BY THEM. WITH THE AIM TO PROVIDE CONTEMPORARY STANDARDS OF FACILITIES AND SERVICES, THE MINISTRY OF TOURISM HAS FORMULATED A VOLUNTARY SCHEME FOR CLASSIFICATION / RE- CLASSIFICATION OF OPERATIONAL HOTELS IN THE FOLLOWING CATEGORIES:

STAR CATEGORY HOTELS: 5 STAR DELUXE, 5 STAR WITH ALCOHOL SERVICE, 5 STAR WITHOUT ALCOHOL SERVICE, 4 STAR WITH ALCOHOL SERVICE, 4 STAR WITHOUT ALCOHOL SERVICE, 3 STAR, 2STAR AND 1 STAR

HERITAGE CATEGORY HOTELS: HERITAGE GRAND, HERITAGE CLASSIC WITH ALCOHOL SERVICE, HERITAGE CLASSIC WITHOUT ALCOHOL SERVICE AND HERITAGE BASIC.

CHECKLIST OF FACILITIES FOR CLASSIFICATION / RE-CLASSIFICATION OF HOTELS

FACILITIES & SERVICES	1*	2*	3*	4*	5*/5* D	Yes/ No	COMMENTS
GENERAL							
Full time operation 7 days a week in season	N	N	N	N	N		
Establishment to have all necessary trading licenses	N	N	N	N	N		
Establishment to have public liability insurance	D	D	D	D	D		
24 hr. lifts for buildings higher than ground plus two floors	N	N	N	N	N		Mandatory for all hotels. Local laws may require a relaxation of this condition. Easy access forthe differently abled guests
Bedrooms, Bathroom, Public areas and kitchen fully serviced daily	N	N	N	N	N		
All floor surfaces clean and in good shape	N	N	N	N	N		Floor may be of any type
GUEST ROOM							
Minimum 10 lettable rooms, all rooms with outside windows / Ventilation.	N	N	N	N	N		
Minimum size of bedroom excluding bathroom in sq. ft	120	120	130	140	200		Singleoccupancy rooms may be 20 sq ft less. Rooms should not be less than the specified size.
Air-conditioning - % of Rooms	25%	25%	50%	100%	100%		Air-conditioning / heating depends on climatic conditions & architecture. Room temp. Should be between 20c %28c.

A clean change of bed and bath linen daily & between check - in‘	N	N	N	N	N		Definitely required between each check–in. On alternate days for 1 & 2 Star hotels
Minimum bed width for single 90 cm and double 180 cm	D	N	N	N	N		
Mattress thickness minimum 10 cm	D	D	N	N	N		Coir, foam or spring foam
Minimum bedding 2 sheets, pillow & case, blanket,mattress protector / bed cover	N	N	N	N	N		Blankets available in air conditioned rooms a s per seasonal requirement in non A/C rooms Mattress protector is desirable in 1* and 2* and necessary for all others.
Suites	D	D	D	N	N		2% of room block with a minimum of 1 suite room
Hairdryers	D	D	N	N	N		Where not provided in bathroom, must be available on request All 3 Star, 4 Star, 5 Star and 5 Star deluxe hotels shall provide a hair dryer facility in the room on complementary basis. In 1 Star and 2 Star, this facility will be made available on request on complementary basis.
Safe keeping / in room safe	D	D	D	N	N		1, 2 & 3 Star hotels to have facilities for safe keeping in the reception. All 4 Star, 5 Star and 5 Star deluxe hotels shall provide a safe.
Minibar / Fridge *All 3 Star hotels shall have the facility of a mini fridge and all 4 Star, 5 Star and 5 Star deluxe shall have the facility of mini bar with effect from 1.4.2014.*	D	D	N	N	N		Contents must conform to local laws

Drinking water with minimum one glass tumbler per guest	N	N	N	N	N		All category hotels to provide two sealed bottles of branded bottled water of minimum 500 ml. per person per day on complimentary basis. Ultra violet treated water will not be acceptable.
Guest Linen							Good quality linen to be provided
Shelves /drawer space	N	N	N	N	N		Necessary for hotels of 1, 2 & 3 Star category to have a wardrobe.
Wardrobe with minimum 4 clothes hangers per bedding	N	N	N	N	N		In one star or two star hotels this may be without doors.
Sufficient lighting, 1 per bed	N	N	N	N	N		
A 5 amp earthed power socket	N	N	N	N	N		
A bedside table and drawer	N	N	N	N	N		1 per two twins and two for a double bed.
TV - cable if available			N	N	N		*Mandatory for 3*, 4*, 5* and 5* Deluxe category and TV must have remote.* *<u>Exception:</u>* *For Eco and Nature Resort, TV Cable is not mandatory for 3*,4*,5*,5* Deluxe category. However, it is mandatory that they provide a Television with cable in lobby or other common area.*
A writing surface with sufficient lighting			N	N	N		
Chairs	N	N	N	N	N		Preferable one per bedding
A wastepaper basket	N	N	N	N	N		
Opaque curtains or screening at all windows	N	N	N	N	N		All 4 Star, 5 Star and 5 Star deluxe hotels shall install blackout curtains by 1.4.2015

A mirror at least half length (3")	N	N	N	N	N		
A stationary folder and containing station ery	D	D	N	N	N		
A 'do not disturb' notice	N	N	N	N	N		
Night spread / bedcover	D	D	N	N	N		
Energy saving lighting	N	N	N	N	N		
Linen Room	N	N	N	N	N		well ventilated
BATHROOM							
Number of rooms with attached bathrooms	All	All	All	All	All		It will be mandatory w.e.f. 01.09.2010 for all 1 & 2 Star category hotels to have attached bathrooms. All bathrooms to have sanitary bin with lid
Minimum size of bathroom in square feet	30	30	36	36	45		25% of bathroom in 1 & 2 Star hotels to have western style WC. No higher ceiling / cap on the maximum size
1 B ath Towel and 1Hand towel to be provided per guest	N	N	N	N	N		
Bath Mat	D	D	N	N	N		
Guest toiletries to be provided - minimum 1 new soap per guest	N	N	N	N	N		Quality produ cts depending on the star category
Bottled toiletry products to be provided	D	D	D	N	N		
Clothes - hooks in ea ch bath / shower room	N	N	N	N	N		All Star category hotels shall provide two (2) hooks for Garments in bath room.
A sanitary bin	N	N	N	N	N		These must be covered

Each western W C toilet to have a seat with lid and toilet paper	N	N	N	N	N		
All Star hotels shall provide water sprays or bidets or washlets or other modern water based post-toilet-paper hygiene facilities.	N	N	N	N	N		This condition shall be applicable to all new hotels that will start operating from 1.4.2016. For the hotels which have come into operation or will come into operation before 31.3.2016, these facilities will be mandatory from 1.4.2022.
Floors and walls to have non - porous surfaces	N	N	N	N	N		
Hot and cold running water available 24 hours	N	N	N	N	N		It will be mandatory w.e.f. 01.09.2010 for all 1 & 2 Star category hotels to provide hot & cold running water
Shower cabin	N	N	N	N	N		Where shower cabin is not available, a shower with shower curtain will suffice
Bath tubs				D	D		*From 01.04.2017 all new Hotels and from 01.04.2023 all existing Hotels shall have bath tubs in following percentage:* *All 4 Star category hotels will provide bath tub in 10% of total number of rooms.* *All 5 Star category hotels will provide bath tub in 25% of total number of rooms.* *All 5 Star Deluxe category hotels will provide bath tub*

							in 50% of total number of rooms.
Water saving taps - showers	N	N	N	N	N		
Energy saving lighting	N	N	N	N	N		

PUBLIC AREA							
Lounge or seating area in the lobby	N	N	N	N	N		Lobby shall h a v e furniture and fixtures which shall include chairs /arm chairs, sofa, tables and fresh floral display. Door man on duty for 4 Star and below 4 Star categories the presence of a door man on duty in the lounge or sitting area in the lobby shall not be mandatory. However, in such areas the presence of staff on duty shall be obligatory around the clock, 24*7.
Reception facility	N	N	N	N	N		Manned minimum 16 hours. Callservice 24 hours. Local directions to hotel including city street maps to be available.
Valet (Parking) services to be available	D	D	N	N	N		
Availability of R oom, F & B and other tariff	N	N	N	N	N		
Heating and cooling to be provided in public areas				N	N		Temperatures to be between 20 degrees Celsius to 28 degrees Celsius Air-conditioning common areas like Lobby, Restaurants, Varandas, bar where they are open to nature on one or more

							sides shall not be mandatory for beach, lake, backwater, river, hill, mountain, forest or nature Hotels & Resorts.
Public rest room s for ladies and gents with soap and clean towels, a washbasin with running hot and cold water, a mirror , a sanitary bin with lid in unisex & ladies toilet	N	N	N	N	N		
ROOM AND FACILITIES FOR THE DIFFERENTLY ABLED GUEST							
At least one room for the differently abled guest	N	N	N	N	N		*The room shall have low height furniture, low peep hole, cupboard with low clothe hangers, audible and visible (blinking light) alarm system and door bell.*

Bathroom	N	N	N	N	N		*Door width for room of the differently abled persons and bathroom of such rooms should allow wheel chair made available by the hotel to enter easily. However, for new hotels coming up after 01.04.2017 the minimum door width of such rooms & their bath room shall be minimum 90 cm. In existing hotels the door width of the room for differently abled persons & bath room of such rooms shall have minimum width of 90 cm w.e.f. 01.04.2023.* *The almirah in differently abled rooms shall be sliding in cases where no sufficient space is available for opening the almirah doors by the differently abled person.*
Ramps with anti-slip floors at the entrance. Minimum door width should be one meter to allow wheel chair access	N	N	N	N	N		To be provided in all public areas. Free accessibility in all public areas and to at least one restaurant in 5 Star and 5 Star Deluxe

Public Restrooms	N	N	N	N	N		*All Star category hotels should have a public rest room for differently abled guests (uni sex) with minimum door width which allows wheel chair made available by the hotel enter easily. However, for new hotels coming up after 01.04.2017 the minimum door width of such public rest room (uni sex) shall be minimum 90 cm. For existing hotels the minimum door width of public rest*

							room (uni sex) shall be mandatory after 01.04.2023.
FOOD & BEVERAGE							
1 Star & 2 Star category							1 & 2 Star categories should have minimum one dining room serving all meals. Room service not necessary
3 Star category							One Multi-cuisine Restaurant cum Coffee Shop open f r o m 7 a.m. to 11 p.m. and 24 hr. Room Service
4 Star category (with alcohol service or with no alcohol service)							***Grade A cities:*** *One Multi* *Cuisine Restaurant cum coffee shop open from 7 a.m. to 11 p.m., one Specialty Restaurant and 24 hr. room service* ***Other than A cities:*** *One Multi* *Cuisine Restaurant cum Coffee Shop open from 7 a.m. to 11 p.m. and 24 hours . Room Service*

5 Star category (with alcohol service or with no alcohol service)							***Grade A cities:*** *One 24 hours Multi Cuisine Restaurant cum Coffee Shop, one Specialty Restaurant and 24hours. Room Service.* ***GradeB cities:*** *One Multi Cuisine Restaurant cum Coffee Shop open from 7 a.m. to 11 p.m., and 24 hours. Room Service. One. Specialty Restaurant would be desirable.* ***Other than A &B cities:*** *One Multi Cuisine Restaurant open from 7 a.m. to 11 p.m. and 24 hours Room Service.*
5 Star Deluxe category							***Grade A cities:*** *One 24 hours Multi Cuisine Restaurant cum Coffee Shop, one Specialty Restaurant and 24hours. Room Service.* ***GradeB cities:*** *One Multi Cuisine Restaurant cum Coffee Shop open from 7 a.m. to 11 p.m., and 24 hours. Room Service. One. Specialty Restaurant would be desirable.* ***Other than A &B cities:*** *One Multi Cuisine*

							Restaurant cum Coffee Shop open from 7 a.m. to 11 p.m. and 24 hours Room Service. One Specialty Restaurant would be desirable.

Grade A: Delhi,** Mumbai, Kolkata, Chennai, Bangalore, Pune, Hyderabad, Secunderabad Grade B: Cities in the rest of the country excluding Grade 'A' cities Grade C: Cities in the rest of the country							*Note: The Ministry of Tourism may review and revise the cities falling under the Grade 'A' – Grande 'B' from the time to time.* •***Delhi would include the hotels falling in Gurgaon, Faridabad, Ghaziabad, NOIDA, and Greater NOIDA"*
Crockery & Glassware	N	N	N	N	N		Plastic ware accepted in poolArea
Cutlery to be at least stainles s steel	N	N	N	N	N		All categories should use good quality metal cutlery. Aluminum cutlery prohibited

Bar	D	D	D	N	N		**Wherever bar license is prohibited for a hotel as per local law, the bar will not be mandatory and wherever bar is allowed as per local laws, then the hotel will have to obtain bar license first and then apply for classification to the Ministry of Tourism.**
							It will be mandatory for such hotels to show their classification status prominently and clearly in all their publications, websites, advertisements and collaterals. No abbreviations shall be used to indicate the classification status in such cases.
KITCHEN /FOOD PRODUCTION AREA							
Refrigerator with deep freezer	N	N	N	N	N		Capacity based on size of F & B service
Segregated storage of Meat, fish and vegetables	N	N	N	N	N		Meat, fish and vegetables in separate freezers

Colour coded synthetic chopping boards	N	N	N	N	N		Wooden chopping boards
Tiled walls non slip floors	N	N	N	N	N		
Head covering for production staff	N	N	N	N	N		
Daily germicidal cleaning of floors	N	N	N	N	N		
Good quality cooking vessels / utensils	N	N	N	N	N		Use of aluminum vessels prohibited except for bakery
All food grade equipment containers	N	N	N	N	N		
Drinking water	N	N	N	N	N		Water treated with UV + filtration

Ventilation system	N	N	N	N	N		
Garbage to be segregated - wet and dry	N	N	N	N	N		To encourage recycling
Wet garbage area to be air- conditioned	D	D	N	N	N		
Receiving areas and stores to be clean and distinct from garbage area	N	N	N	N	N		
Six monthly medical checks for production staff	N	N	N	N	N		
First - aid training for all kitchen staff	N	N	N	N	N		
Pest control	N	N	N	N	N		
STAFF							
Staff uniforms for front of the house	N	N	N	N	N		Uniforms to be clean and in goodcondition
English speaking front office staff	D	D	N	N	N		This may be relaxed outside the metros/ sub- metros for 1 and 2 Star category hotels

Percentage of Supervisory staff	20%	20%	40%	40%	80%		Hotels of 4 Star categories and above should have formally qualified Heads of Departments. The supervisory or the skilled staff may have training or skill certification as follows: Degree / diploma from Central or State IHMs / FCIs or from NCHMCT affiliated IHM's or from other reputed

							Hospitality Schools
Percentage of Skilled staff	20%	20%	30%	30%	60%		The supervisory or the skilled staff may have training or skill certification as follows; Degree/ diploma from Central or S tate IHM / FCIs or from NCHMCT affiliated IHMs or from other reputed Hospitality schools Skill training certificate issued under the guidelines and scheme of the Ministry of Tourism
STAFF WELFARE FACILITIES							
Staff Rest Rooms	D	D	N	N	N		Separate for male and Female employees with bunk beds, well lighted and ventilated
Staff Locker Room	D	D	N	N	N		
Toilet facilities	N	N	N	N	N		Full length mirror, hand dryer with liquid soap dispenser
Separate Dining area & Facility	D	D	N	N	N		

CODE OF CONDUCT FOR SAFE & HONOURABLE TOURISM

Display of Pledge	N	N	N	N	N		Pledge to be displayed prominently in the staff / back areas / office premises of all the Heads of Departments (HODs)
Training for 'Code of Conduct for Safe & Honourable Tourism'	N	N	N	N	N		At time of joining (orientation programme and subsequent in-house training)
Maintenance of Action Taken Report with regards to compliance of the provisions of the Code	N	N	N	N	N		Signatories of the 'Code of Conduct' to maintain record of action taken in compliance of the provisions of the Code
Focal Points / Nodal Officers	N	N	N	N	N		Two nodal officers to be nominated (i.e., from HRD, Security side etc.) for hotel with more than 25 personnel and one focal point for Hotel with less than 25 personnel
GUEST SERVICES							
Provision of wheelchair for the differently abled guest	N	N	N	N	N		Wheel chair to be available on a complimentary basis in hotels of all categories
Valet (parking) services to be available	D	D	N	N	N		
Dry- cleaning /laundry	D	D	D	D	N		In house for 5 Star Deluxe hotels. For 5 Star category and below may be outsourced

Tea / Coffee making facility in the room	*D*	*D*	*D*	*N*	*N*		Tea/coffee making facilities in the room to be made available on complimentary basis in all 4 Star 5 Star & 5 Star Deluxe categories.

Iron and Iron Board facility	*D*	*D*	*D*	*N*	*N*		Iron and iron board to be made available on request in 1 to 3 Star category hotels on complimentary basis. For 4 , 5, 5 Star Deluxe categories to be available in the room on complimentary basis.
Paid transportation on call	*D*	*D*	*N*	*N*	*N*		Guest should be able to travel from hotel
Shoe c l ean in g, s hoe h or n & s l ip per s	*D*	*D*	*D*	*N*	*N*		Free facility to be Provided for in house guests.
Ice (from drinking water) on demand	D	D	N	N	N		Complimentary on request
Acceptance of common credit cards and facility / infrastructure for accepting/ making payments by digital transactions.	N	N	N	N	N		
Assistance with luggage on request	N	N	N	N	N		
A public telephone on premises. Unit charges made known	D	D	N	N	N		There should be at least one telephone no higher than 24" from floor level in 5 and 5 Star Deluxe (to also caterto differently abled guests
Wake - up call service on request	N	N	N	N	N		

Messages for guests to be recorded and delivered	N	N	N	N	N		A prominently displayed message board will suffice for 1 & 2 Star categories
Name Address and telephone numbers of doctors with front desk	N	N	N	N	N		Doctor on call in 3, 4, 5 & 5 Star Deluxe
Stamps and mailing facilities	D	D	N	N	N		
Newspapers available	D	D	D	N	N		This may be placed in the lounge for 1, 2 & 3 Star hotels
Access to travel desk facilities	N	N	N	N	N		This neednot be on the premise for 1, 2 & 3 Star categories

Left luggage facilities	D	D	N	N	N		This must be in a well secured room / 24 hour manned area All 4 Star, 5 Star and 5 Star Deluxe hotels shall provide luggage racks, portable or fixed, for two large suitcases by 1.4.2015. This will be stated on the hotel's website under the head 'Facilities and Amenities provided on complimentary basis' and mentioned to guests while checking in.
Provision for emergency supplies toiletries /first aid kit	D	D	N	N	N		
Health - Fitness facilities	D	D	D	D	N		Indian system of treatments should preferably be offered
Beauty Salon and Barber's Shop	D	D	D	D	D		
Florist	D	D	D	D	D		

Utility shop / kiosk	D	D	D	D		N	The presence of a utility kiosk/shop will not be a mandatory condition for classification under one to four Star categories. For 5 Star & 5 Star Deluxe categories one utility kiosk or shop will be a must. No separate book shop shall be necessary.
Money changing facilities	D	D	D	D		D	Money changing facility to be made available
SAFETY & SECURITY							
Metal detectors (door frame or hand held)	D	D	N	N		N	

CCTV at strategic locations	N	N	N	N	N		
X-Ray Machine.	D	D	D	D	N		For 5 Star Deluxe category, it would be 'Necessary' to have an X-Ray Machine at the guest entrancefor screening of baggage Manual checks may be conducted for staff and suppliers at designated entry points
Under belly scanners to screen vehicles.	D	D	D	N	N		
Verification.	N	N	N	N	N		All hotels should conduct a antecedent verification of their staff and suppliers by the Police / private security agencies.
Staff trained in fire fighting Drill.	N	N	N	N	N		All hotels to conduct periodic fire drills and maintain 'Manuals' for Disaster Management, First Aid and Fire Safety. Quarterly drills as per Law.

Security arrangements for all hotel entrances.	N	N	N	N	N		
Each bedroom door fitted with lock and key, viewport / peephole & internal securing device.	D	D	N	N	N		A safety chain / wishbone latch is acceptable in place of viewport / peephole.
Smoke Detectors.	N	N	N	N`	N		These can be battery Operated.
Fire and Emergency Procedure notices displayed in room behind door.	N	N	N	N	N		

Fire and emergency alarms should have visual & audible signals.	N	N	N	N	N		
First aid kit with over the counter medicines with front desk.	N	N	N	N	N		
Fire Exit signs on guest floors with emergency / backup power.	N	N	N	N	N		
COMMUNICATION FACILITIES							
Telephone facility within arm's reach of the toilet seat.	D	D	D	N	N		All hotels in the categories 4 Star, 5 Star & 5 Star Deluxe shall provide a telephone within an arm's reach of the toilet seat. This condition shall be applicable to all new hotels that will start operating from 1.4.2016. For hotels which have come into operation or will come into operation or will come into operation before 31.3.2016, this

							guideline will be applicable from
Provide atleast two multi- purpose sockets.	N	N	N	N	N		All Star hotels shall provide at least two multi-purpose sockets capable of handling US, European Community and Japanese plugs at or just above the table level. It should be possible for guests to charge a laptop and cell phone simultaneously. This condition shall be applicable to all new hotels that will start operating from 1.4.2016. For the hotels which have come into operation or will come into operation till 31.3.2016, this guideline will be applicable from 1.4.2022. However, till such time as this facility is provided on a permanent basis,

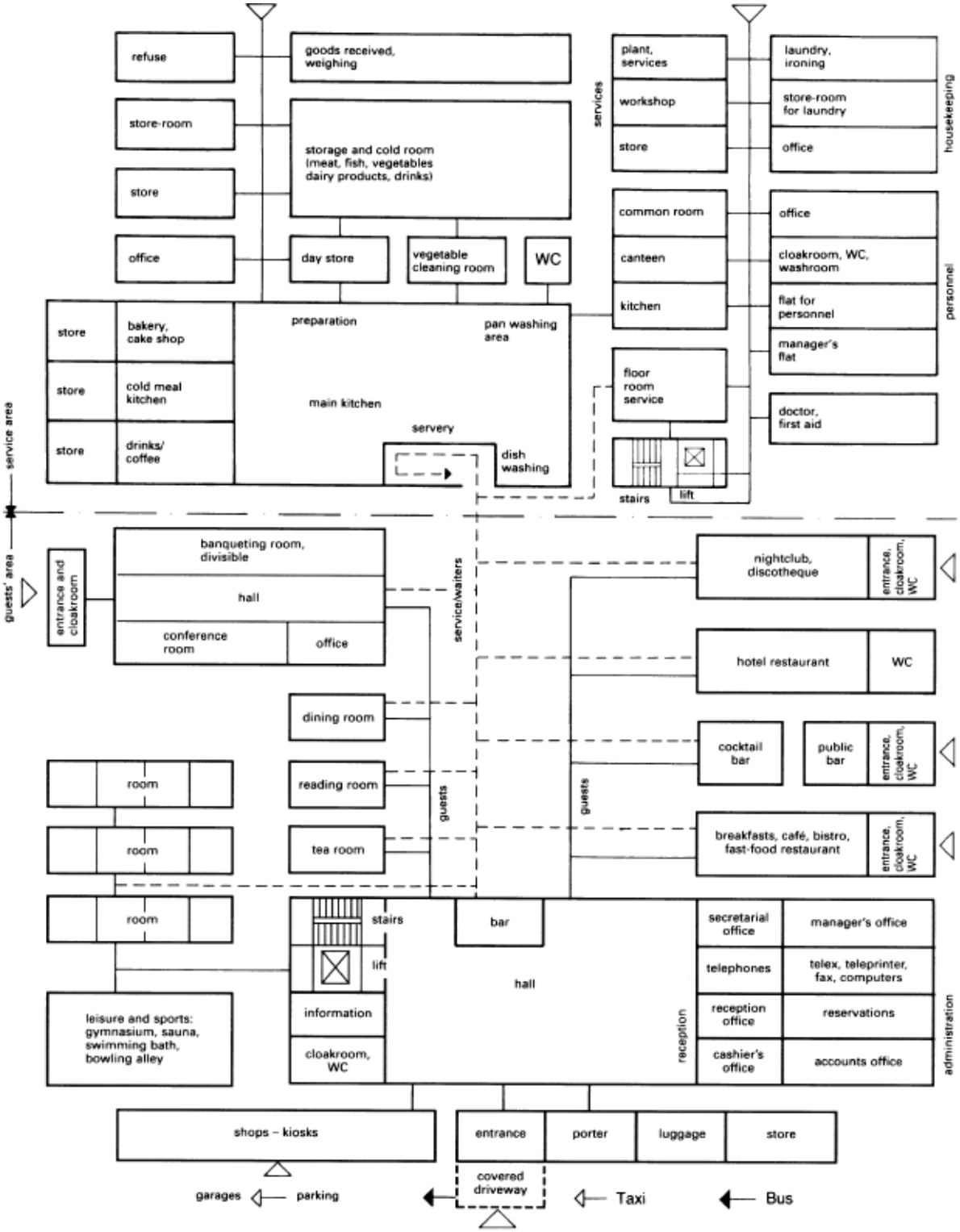
							it will be mandatory for all Star hotels to provide multi-socket adapter plugs on request.
A telephone for incoming & outgoing calls in the room.	D	N	N	N	N		4 star and above should have direct dialing and STD / ISD f acilities. 1,2 and 3 Star category hotels may go through a telephone exchange
PC available for guest use with internet access.	D	D	N	N	N		This can be a paid service. Upto 3 Star, PC can be in the executive offices, Internet subject tolocal access being available
E-mail service.	D	D	N	N	N		Subject to local internet access being available.

Fax, photocopy and printing Services.	N	N	N	N	N		
In room Internet Connection / Data Port.	D	D	D	N	N		Subject to local internet access being available. Wi - Fi wherever possible.
Business Center.	D	D	D	N	N		This should be a dedicated area. (This provision maybe relaxed for resort destinations, tourist and pilgrimage centers).
Swimming Pool	D	D	D	D	N		This can be relaxed for hill destinations. Mandatory to have trained Life Guard. Board containing Do's & Don'ts, No Diving sign, pool depth etc. should be displayed at a strategic location in the pool area All 4 Star, 5 Star and 5 Star Deluxe hotels shall provide a luminous LED wall clock with numerals of three inches or more on display near their swimming pools. It will be desirable for all 5 Star Deluxe hotels to have air- conditioned porches and heated swimming pools.

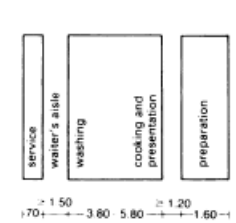
Parking Facilities.	D	D	N	N		N	Should be adequate in relation to the number of rooms & banquet / convention hall capacities. Exclusively earmarked accessible parking nearest to the entrance for differently abled guests
Conference Facilities.	D	D	D	D		N	

No. of people to be trained under 'Hunar Se Rozgar'.	N	N	N	N	N		As per norms laid out in para 23 of guidelines
Eco Friendly Practices: (a) Sewage Treatment Plant.	N	N	N	N	N		A Sewage Treatment Plant will not be a mandatory condition for hotels which have obtained completion certificate for construction before 1.4.2012.
(b) Rain water harvesting.	N	N	N	N	N		
c) Waste management.	N	N	N	N	N		
d) Pollution control methods for air, water and light.	N	N	N	N	N		
(e) Introduction of non CFC equipment for refrigeration and air conditioning and other Eco-Friendly measures and initiatives.	N	N	N	N	N		

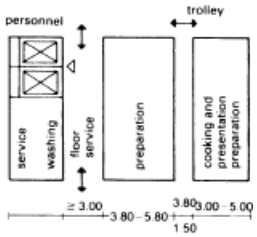
STANDARDS



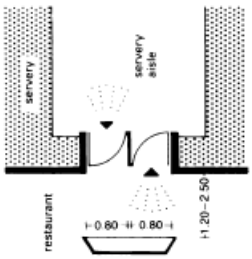
(1) **Typical interrelationships between rooms on hotel ground floor**



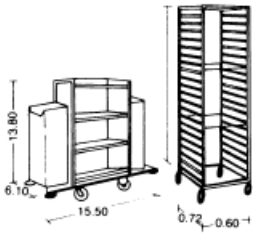
(1) **Layout for small business**



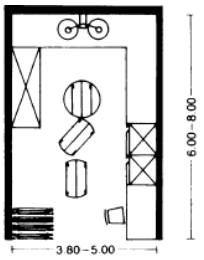
(2) **Layout for medium-size/ large businesses**



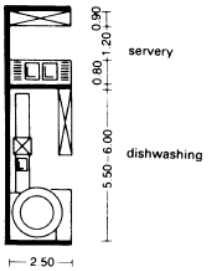
(3) **Waiters' door arrangement**



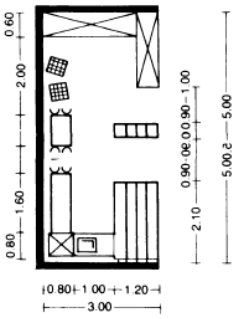
(4) **Service and tray trolleys**



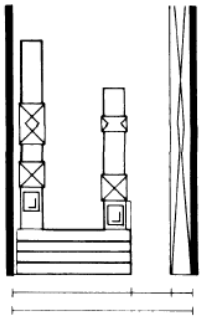
(5) **Floor servery**



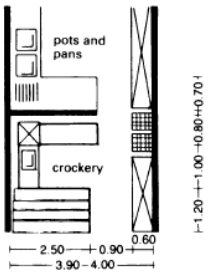
(6) **Servery/dishwashing area**



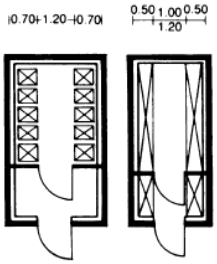
(7) **Dishwashing (1–2 people)**



(8) **Crockery and glasses**



(9) **Crockery and pan washing**



(10) **Cold store Shelving** **Metal trolleys**

Restaurants/catering

Care should be exercised when sizing restaurants on the basis of people per square metre since circulation requirements and table layouts, etc., vary considerably. The following table gives some basic guidelines.

hotel size (rooms)	coffee shop, café[a], brasserie (seats)	main or speciality restaurant (seats)	ethnic or gourmet restaurant (seats)
50	50–75	–	–
150	80	60	–
250	100	60	50
space provision/ seat[b]	1.6 m²	2.0 m²	2.0 m²

[a] excluding poolside, café-bar and other club facilities; area also usable for breakfast meals with buffet or table service

[b] the area required per seat, dictated mainly by size and spacing of furniture, proportion of tables seating two persons and arrangements for food service (buffet, table service, etc.)

Hotel type	m² per room
Standard hotel with large conference room, night club, shops	55–65
City-centre hotel	45–55

Area/department	200 rooms, in suburban setting m2 per room	500 rooms in central location m2 per room
Hotel room	24	26.5
Corridors, lifts, stairs	3.2	9.3
Service	0.6	0.7
Total per room	27.8	36.5
Entrance area including lifts for personnel and service	1.6	1.8
Reception, WC, reservations, telephones, luggage, cloakroom	0.4	0.4
Administration	0.3	0.4
Restaurant	1.1	0.6
Coffee bar	0.6	0.5
Coffee pot	0.2	0.2
Coffee bar	0.6	0.5
Bar 1, plus counter	0.9	0.4
Bar 2, plus counter	0.5	0.3
Lounge	0.5	0.3
Toilets	0.4	0.3
Conference/lecture rooms	1.1	1.3
Ancillary rooms		0.5
Furniture store	0.1	0.2
Private bedrooms and living rooms	0.4	0.9
Shops		0.2
Total entrance/guest area	7.8	8.2
Kitchen, provisions	3.8	2.5
General stores	0.9	0.9
Workshops, maintenance	0.8	0.4
Laundry, linen store	0.3	0.7
Staff dining room, WC, changing rooms	1.0	1.1
Personnel rooms, accounts, supervision, caretaker	0.3	0.5
Circulation areas, service lifts	0.8	0.9
Total rear hotel service area	7.9	7.7
Total area, without heating services or inside/outside parking facilities	43.5	51.7

(12) **Area requirement per hotel room** → (11)

HOTEL LAYOUT AND AREA REQUIREMENTS

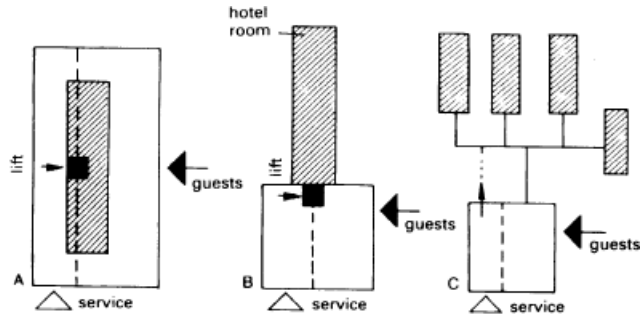
Hotels offer different types of accommodation, including bedrooms, suites, self-catering units and apartments using the hotel services → ⑥ – ⑪. The size and number of beds largely dictates dimensions and layout of rooms, e.g. twin 100/200 cm, double 150/200 cm, queen-size 165/200 cm, or king-size 200/200 cm. Rooms may include a sitting area with chairs, a desk, TV, self-service drinks refrigerator and suitcase stand.

Corridor space should be about 6 m² per room, and normally at least 1.5–1.80 m wide. Separate routes should be provided for guests, staff and goods → ① – ②.

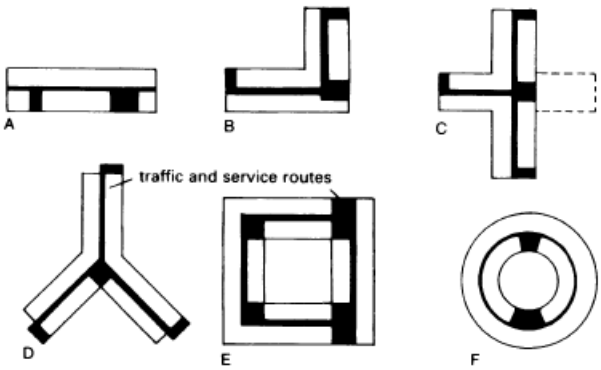
There is always movement in and near a hotel. Customers move from parking areas, through the entrance and reception, and then to lifts, staircases or corridors leading to bedrooms or public rooms. In most hotels, customers are not allowed to go from bedrooms direct to the car park without passing through reception. Suitable fire escape routes must be provided to meet legislation. Staff move from staff housing, via their own entrance and changing rooms, to kitchens, service areas, bars, workshops, etc. All deliveries must be taken to the correct department or storage area, perhaps using special lifts. Disposals should be from special roofed-over areas (to limit night-time noise), with a clearance height of 4.35 m.

Hotels usually have a restaurant and/or breakfast area and one or more bars. Hotels with conference facilities may include a multifunctional central hall, meeting rooms, exhibition areas and buffet facilities. Storage for extra furniture and additional parking space may be necessary. Specialist facilities may include audio-visual media rooms, projection equipment, simultaneous translation facilities, copying machines, fax machines and telephones.

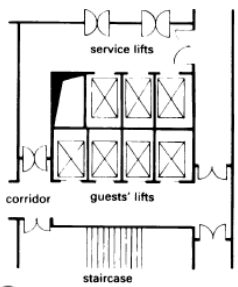
Hotels should provide facilities for the handicapped and disabled in at least 1–2% of rooms, preferably on the ground floor, and with the following minimum criteria: ramps 1:20, corridors 915 mm wide, doors 815 mm clear opening, lobbies 460 mm wider than the door on the latch side, closet doors either narrow or sliding, shelves 1.37 m high. Bathrooms: central turning space 1.52 m, width 2.75 m, vanity tops 860 mm high, 685 mm knee space, mirrors extending down to 1.0 m, compromise toilet seat height usually 430 mm. Grab bars are needed on the headwall and sides of the bath and toilet. Standard bedrooms, 3.65 m wide, can be adapted to the following criteria: switches 1.2 m high, space between beds and furniture 910 mm, beds 450–500 mm high with toe space below. Eye level from a wheelchair is 1.07–1.37 m; dressing tables should allow for this and have 685 mm knee space. Low window sills are also preferable.



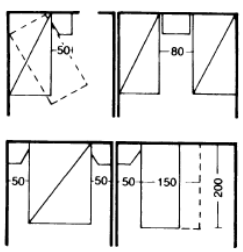
① **Relationship between services and guest rooms**



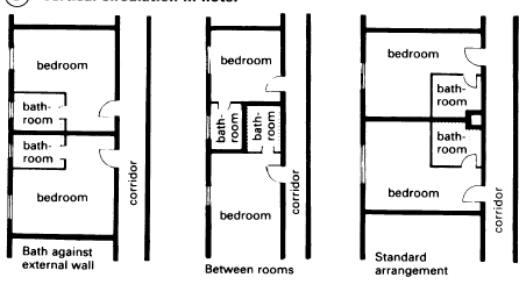
② **Plan views of hotels**



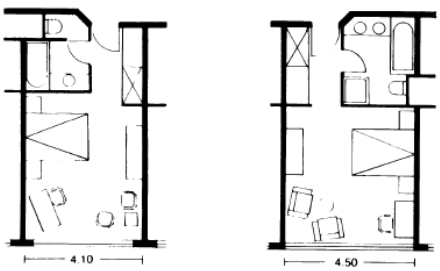
③ **Vertical circulation in hotel**



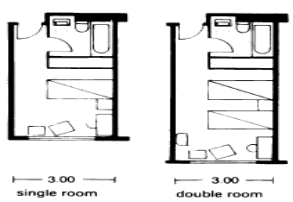
④ **Minimum spacing between hotel beds**



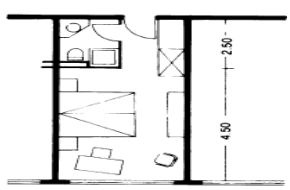
⑤ **Bathroom arrangement**



⑧ **Standard room** ⑨ **Executive room**

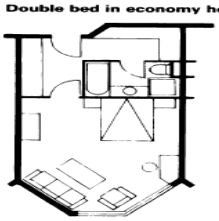


⑥ **Narrow hotel room**



⑦ **Double bed in economy hotel**

⑩ **Luxury room (> 5.0 m wide)**



⑪ **A variant of ⑩**

ELECTRICAL ROOMS

THESE ROOMS ARE USED TO DISTRIBUTE ELECTRICITY THROUGH CONDUITS RUNNING VERTICALLY IN THE BUILDING AND ALSO AS A PANEL FOR CONTROLLING THE ELECTRIC SUPPLY.

DG ROOM OR GENERATOR ROOM

THESE SHOULD BE IN AN AREA WHERE THE NOISE COMING FROM DG ROOM DOES NOT AFFECT THE WORKING OF THE OFFICE.IT SHOULD ALSO BE NEAR THE SERVICE ENTRY FOR THE EASE OF REPAIR AND MAINTENANCE OF THE MACHINES.

UPS ROOM

FOR UNINTERRUPTED STABLE POWER SUPPLY TO THE COMPUTERS IN THE PARK IS PROVIDED. THEY SHOULD BE NEAR THE SERVICE ENTRY IN THE BASEMENT OR GROUND FLOOR FOR MAINTENANCE.

AHU

THESE ARE FOR DISTRIBUTING CONDITIONED AIR FROM THE AC PLANT TO EACH FLOOR AND FILTERING THE RETURN AIR. LANDSCAPING USES, MAINTAINING THE PARKS CONCEPT OF GREEN CULTURE SHOULD BE PROVIDED. ONE AHU OF 10 SET CATERS TO 500 SQ.M OF AREA.

FIRE FIGHTING

FIRE IS SUPPORTED BY THREE ESSENTIAL INGREDIENTS, FUEL, HEAT, AND OXYGEN. THE ABSENCE OF ANY OF THESE CAUSES FIRE TO BE EXTINGUISHED. THE FIRE FIGHTING SYSTEM MUST BE APPROPRIATE TO THE LOCATION OF THE FIRE AND PREFERABLY LIMITED TO THE AREA IN ORDER TO MINIMIZE DAMAGE TO PLANTS AND BUILDING STRUCTURE. RADIATION FROM FIRE MAY PROVE COMBUSTION TO COMBUSTIBLE MATERIAL AT SOME DISTANCE. FIRE FIGHTING IMPLIES THE ABILITY OF THE BUILDING ELEMENT TO FULFIL THEIR ASSIGNED FUNCTIONS UNDER CONDITION IF MAXIMUM SEVERITY OF EXPOSURE TO HEAT EXPECTED TO OCCUR IN THE BUILDING.

FIRE CONTROL

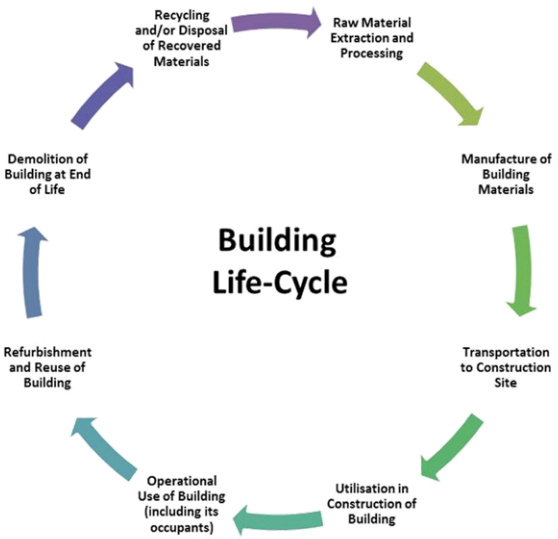
- SMOKE DETECTORS
- HEAT DETECTORS
- MANUAL SYSTEM
- AUTOMATIC ALARM

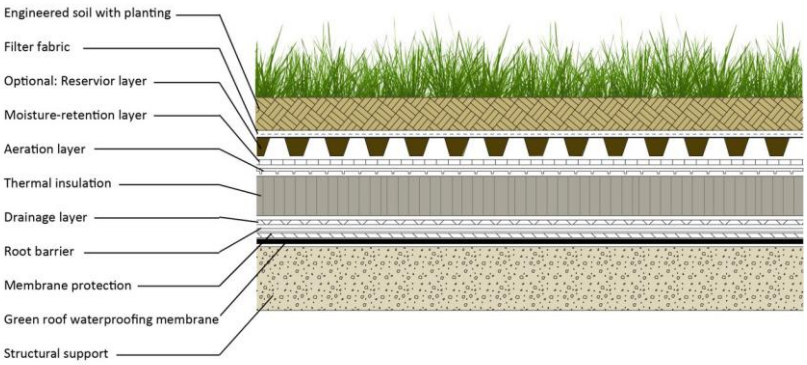
FIRE ESCAPE STAIRCASE

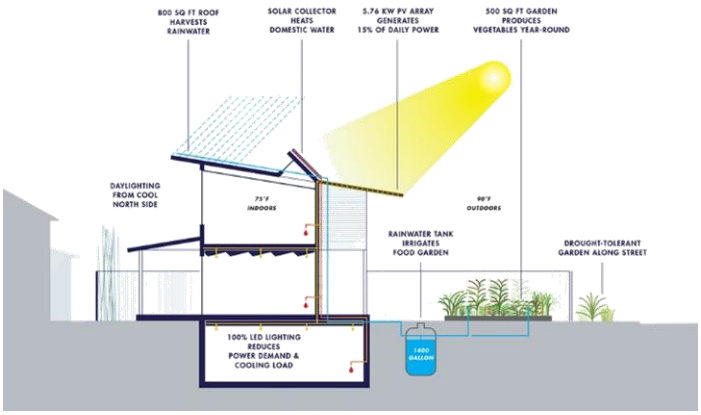
THESE ARE STAIRS USED FOR ESCAPING DURING FIRE. THEY CAN BE USED FOR GENERAL PUBLIC AS VERTICAL CIRCULATION OR AS SERVICE STAIRS OTHERWISE IN THE BUILDING.

GREEN BUILDING AND SUSTAINABLE BUILDING

A **'GREEN'** BUILDING IS A BUILDING THAT, IN ITS DESIGN, CONSTRUCTION, OR OPERATION, REDUCES OR ELIMINATES NEGATIVE IMPACTS, AND CAN CREATE POSITIVE IMPACTS, ON OUR CLIMATE AND NATURAL ENVIRONMENT. GREEN BUILDINGS PRESERVE PRECIOUS NATURAL RESOURCES AND IMPROVE OUR QUALITY OF LIFE.

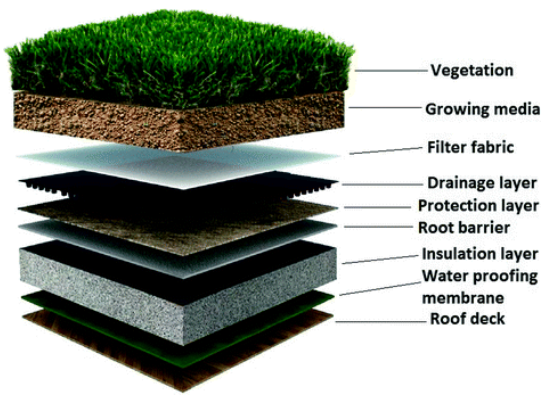






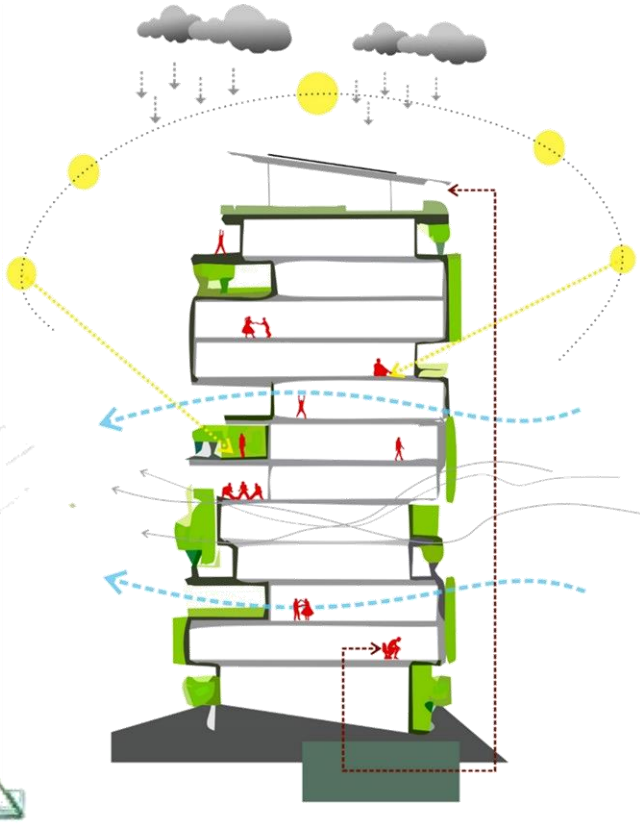
CONCEPT OF GREEN ROOF

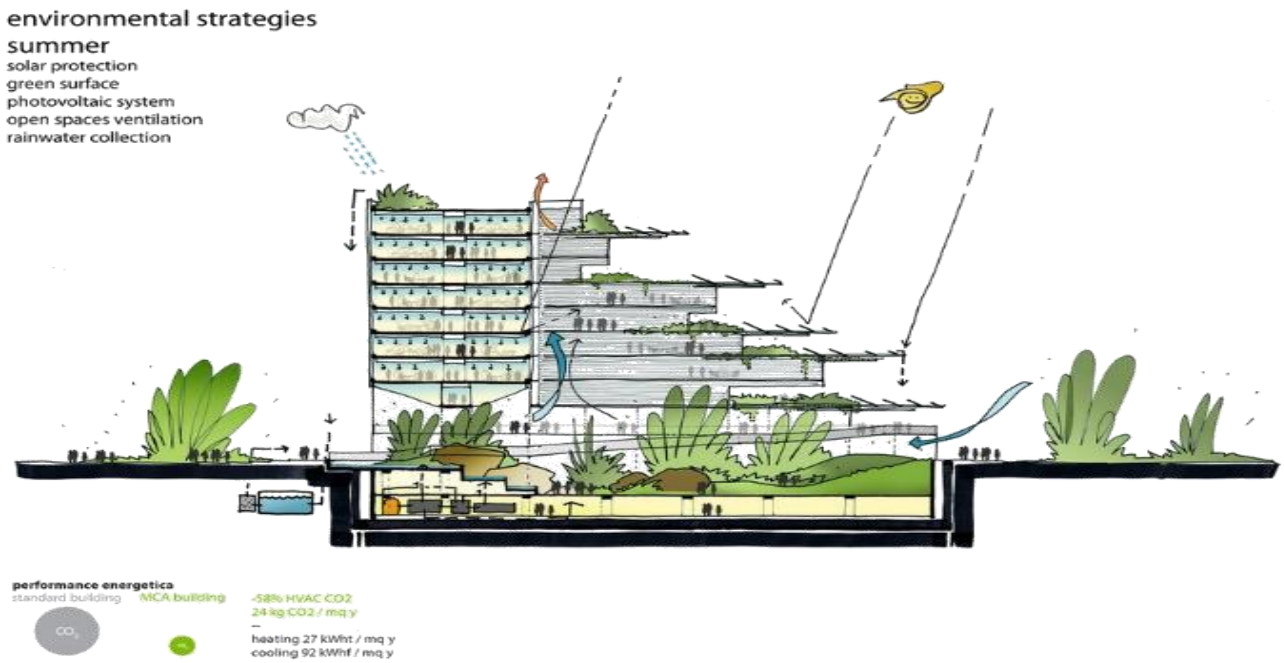
GREEN ROOFS **PROVIDE SHADE, REMOVE HEAT FROM THE AIR, AND REDUCE TEMPERATURES OF THE ROOF SURFACE AND SURROUNDING AIR**. USING GREEN ROOFS IN CITIES OR OTHER BUILT ENVIRONMENTS WITH LIMITED VEGETATION CAN MODERATE THE HEAT ISLAND EFFECT, PARTICULARLY DURING THE DAY.



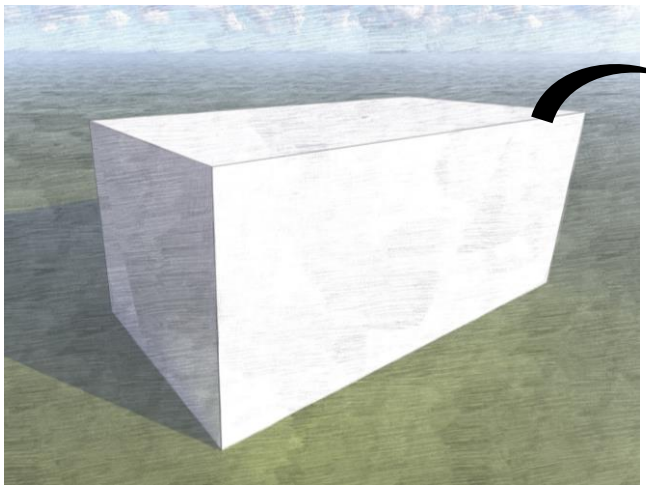
GOALS OF GREEN ARCHITECTURE

GREEN ARCHITECTURE CAN HELP TO **DECREASE THE USE OF NATURAL RESOURCES AND FUELS**. IT CAN ALSO HELP TO INCREASE WATER, AND MATERIAL EFFICIENCY, AS WELL AS IMPROVE STRUCTURES ' MAINTENANCE FROM ENVIRONMENTAL ELEMENTS. GREEN ARCHITECTURE CAN HELP TO IMPROVE AIR QUALITY WITHIN, AND OUTSIDE, THE STRUCTURES.

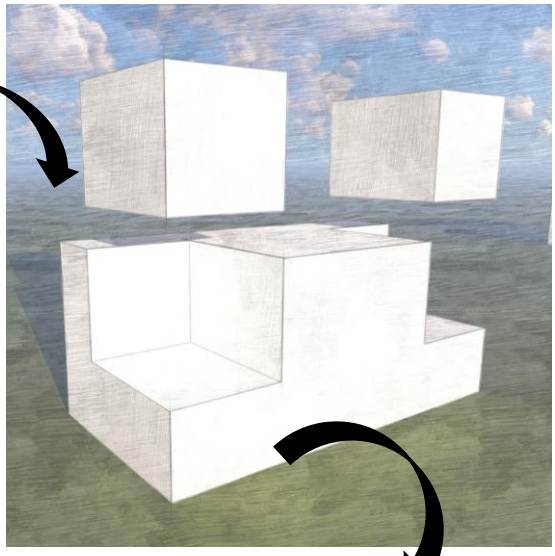


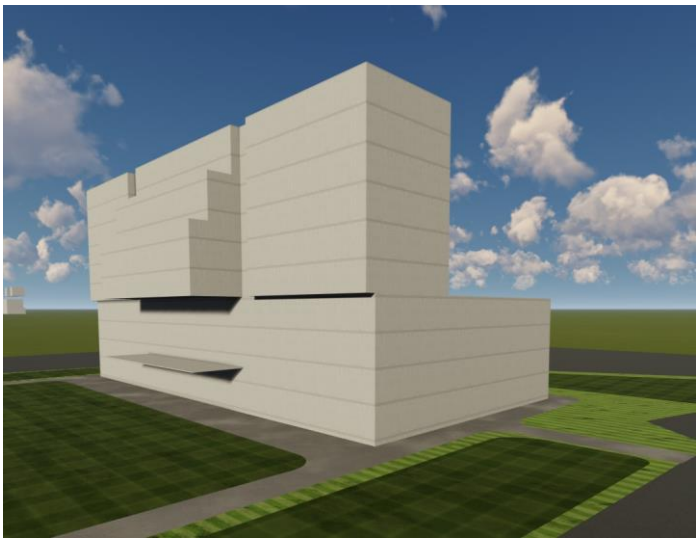


FORM EVOLUTION

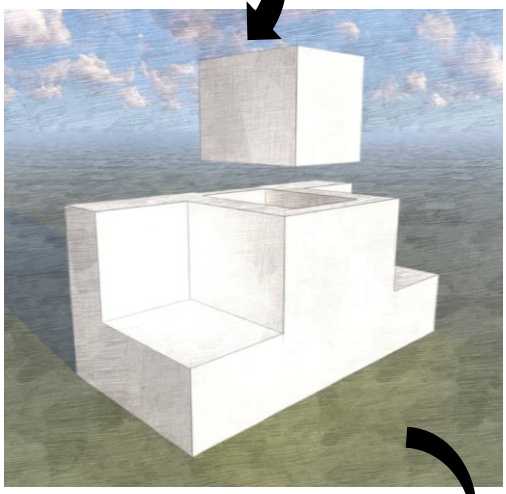


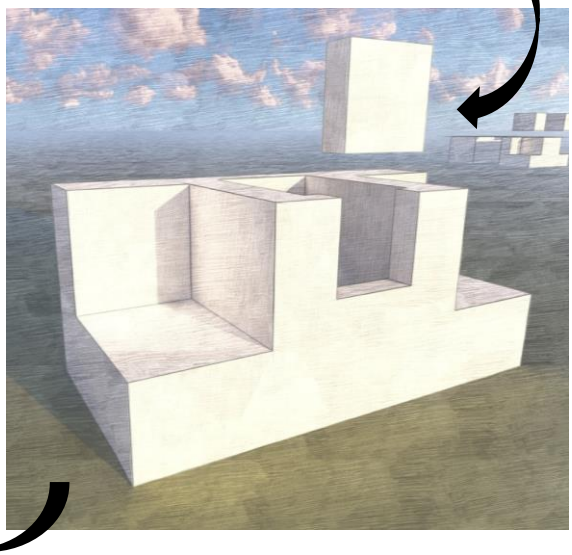
RECTANGLE

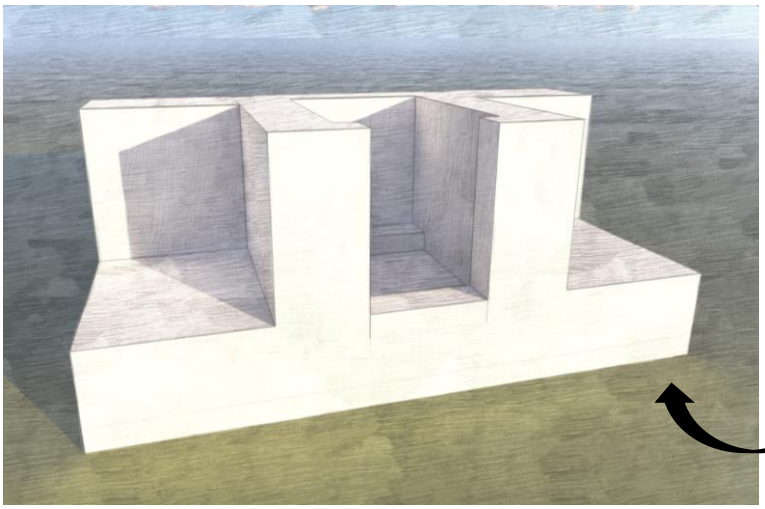




VIEW

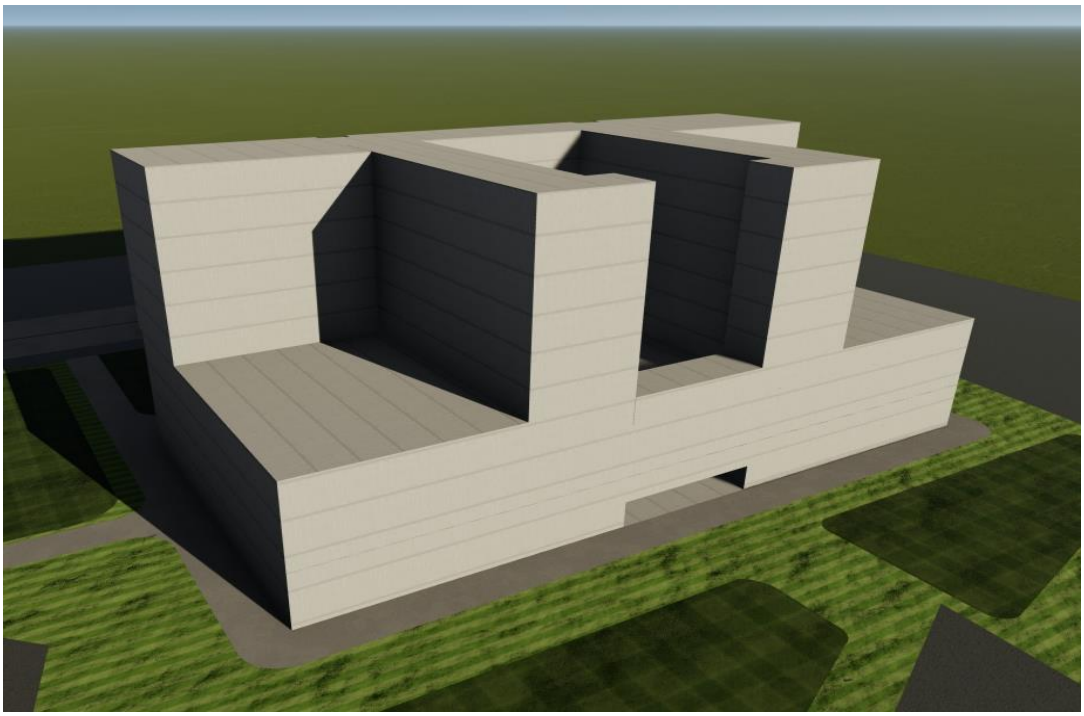






FINAL FORM

FINAL BLOCK



INTRODUCTION & SITE STUDY DATA

- ABOUT GORAKHPUR- WIKIPEDIA.ORG.
- CLIMATE OF GORAKHPUR-https://en.Wikipedia.Org/wiki/climate of gorakhpur
- BYE LAWS GDA
- MASTER PLAN FOR GORAKHPUR 2021-GORAKHPUR DEVELOPMENT AUTHORITY

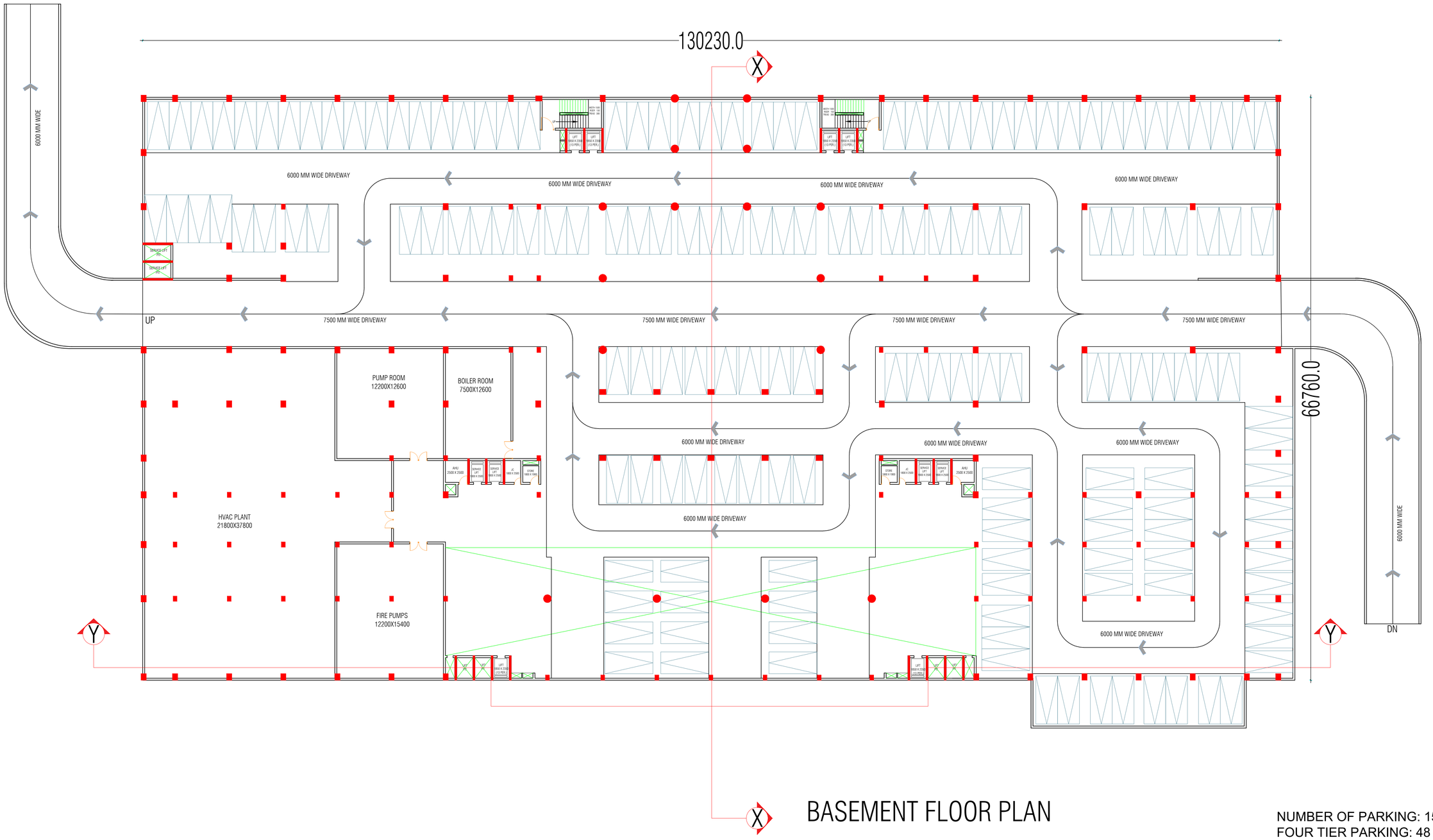
LITERATURE STUDY DATA

- https://www.archdaily.com
- COMPENDIUM OF NORMS FOR DESIGNING OF 5 STAR HOTEL

STANDARDS

- NEUFERT'S DATA
- NATIONAL BUILDING CODE
- https://gdagkp.in

BASEMENT PLAN (LEVEL -4800)



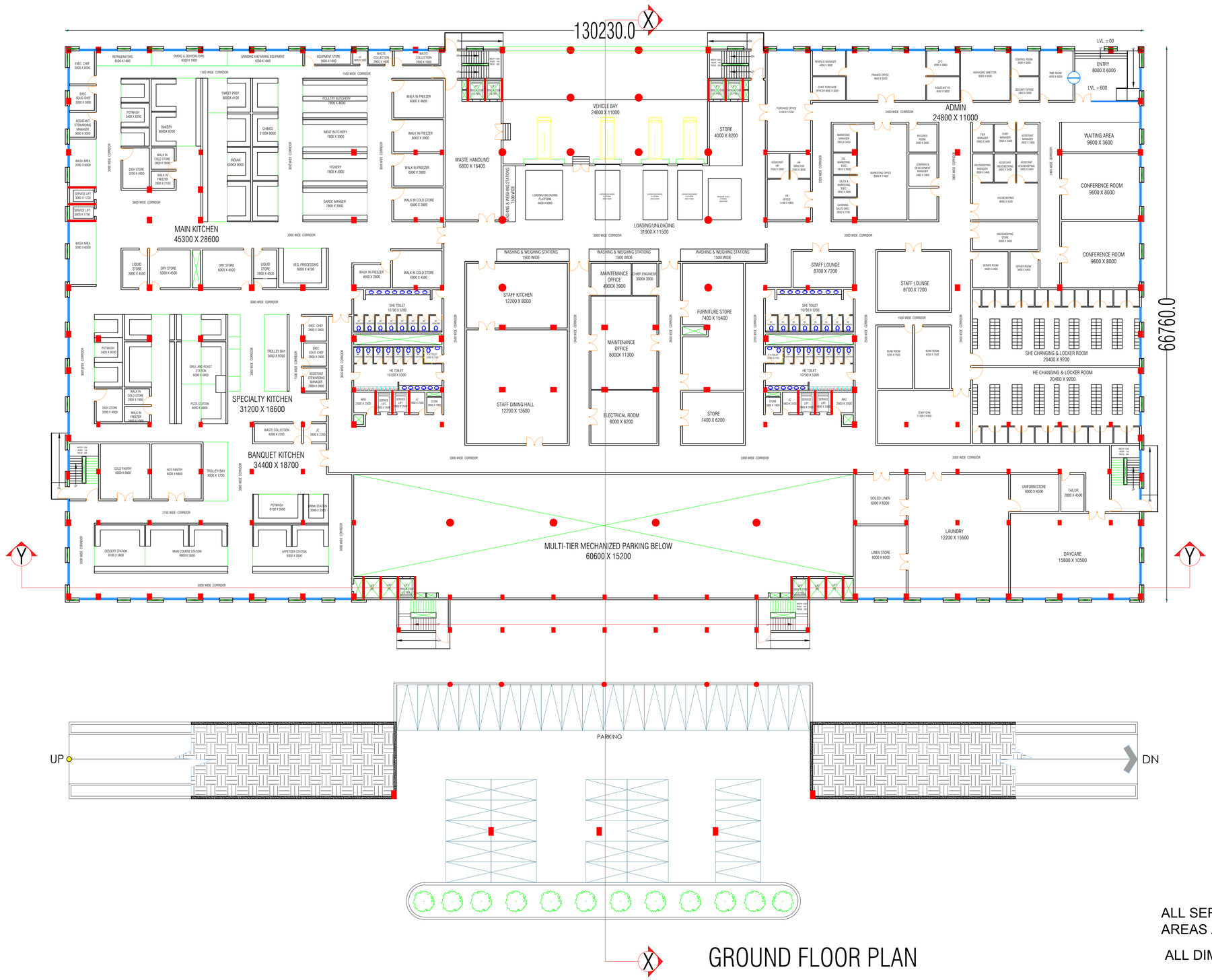
BASEMENT FLOOR PLAN

NUMBER OF PARKING: 152
FOUR TIER PARKING: 48
TOTAL PARKING: 200

ALL DIMENSIONS ARE IN MM

FIVE STAR HOTEL AT GORAKHPUR	NORTH	SCALE : - 1:250 SIGN : - SHEET NO : - 1	DRG. TITLE BASEMENT FLOOR PLAN	THESIS BY - MOHAMMAD IBRAHEEM 1180101029	B.ARCH 5TH YEAR (X SEM) THESIS (2022 -23) SCHOOL OF ARCHITECTURE B.B.D.U ,LUCKNOW

GROUND FLOOR PLAN (LEVEL +600)



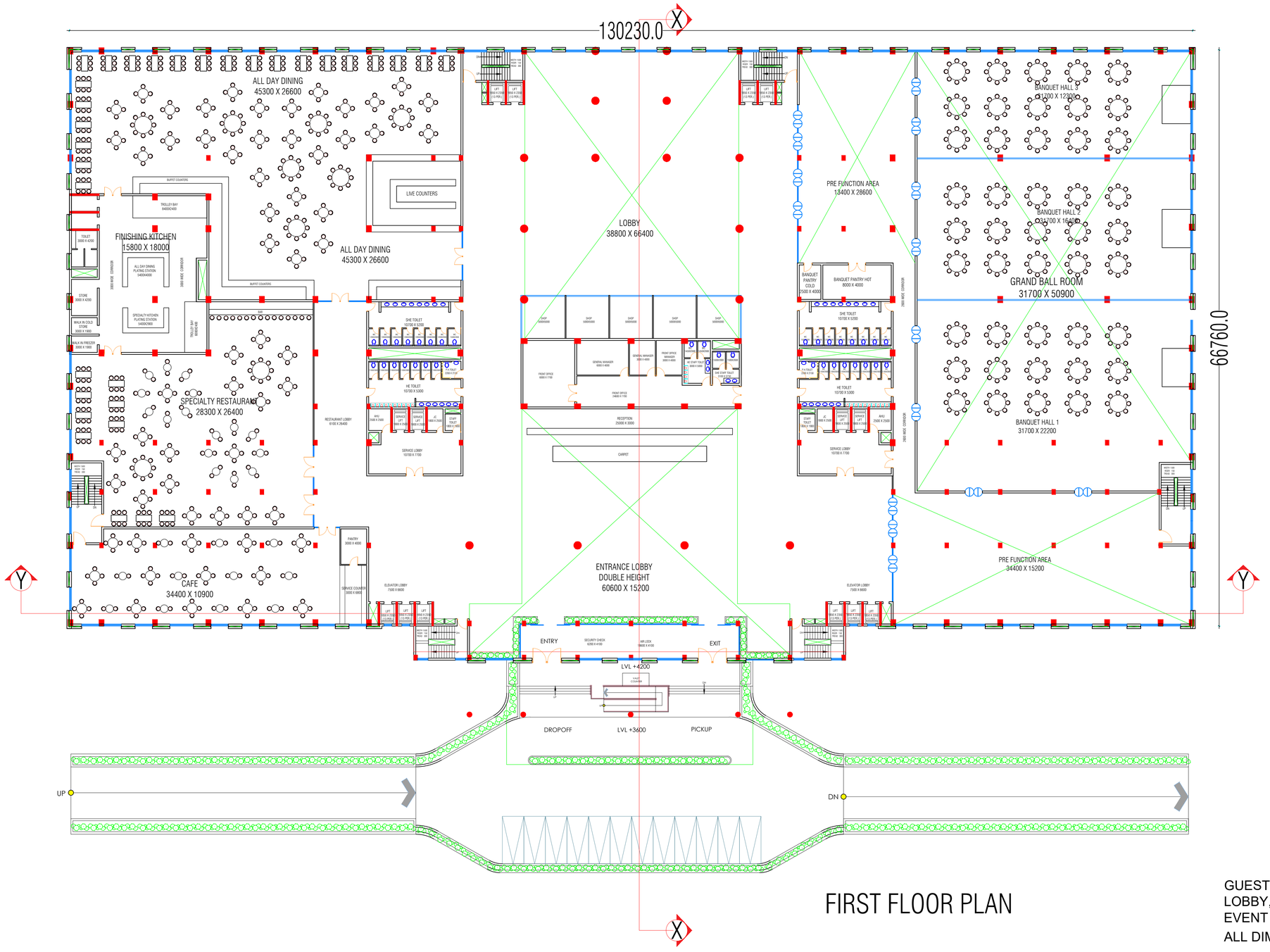
ALL SERVICES AND BACK OF HOUSE AREAS ARE LOCATED ON THIS FLOOR

ALL DIMENSIONS ARE IN MM

GROUND FLOOR PLAN

FIVE STAR HOTEL AT GORAKHPUR	NORTH	SCALE : - 1:250 SIGN : - SHEET NO : - 2	DRG. TITLE GROUND FLOOR PLAN	THESIS BY - MOHAMMAD IBRAHEEM 1180101029	B.ARCH 5TH YEAR (X SEM) THESIS (2022 -23) SCHOOL OF ARCHITECTURE B.B.D.U ,LUCKNOW

FIRST FLOOR PLAN (LEVEL +4200)



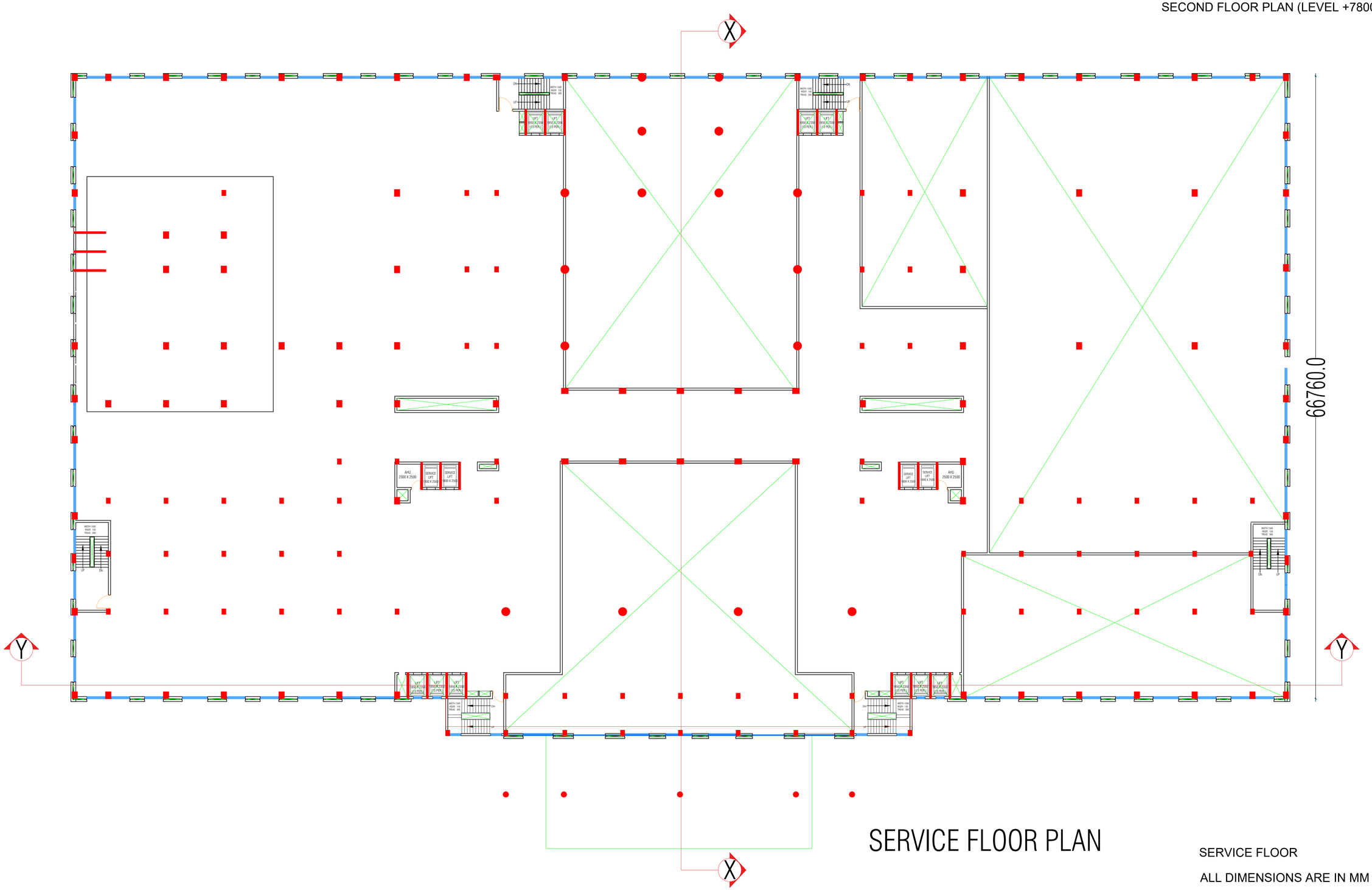
FIRST FLOOR PLAN

GUEST ENTRY ON THIS LEVEL.
LOBBY, RESTAURANTS AND EVENT SPACES

ALL DIMENSIONS ARE IN MM

FIVE STAR HOTEL AT GORAKHPUR	NORTH	SCALE : - 1:250 SIGN : - SHEET NO : - 3	DRG. TITLE FIRST FLOOR PLAN	THESIS BY - MOHAMMAD IBRAHEEM 1180101029	B.ARCH 5TH YEAR (X SEM) THESIS (2022 -23) SCHOOL OF ARCHITECTURE B.B.D.U ,LUCKNOW

SECOND FLOOR PLAN (LEVEL +7800)



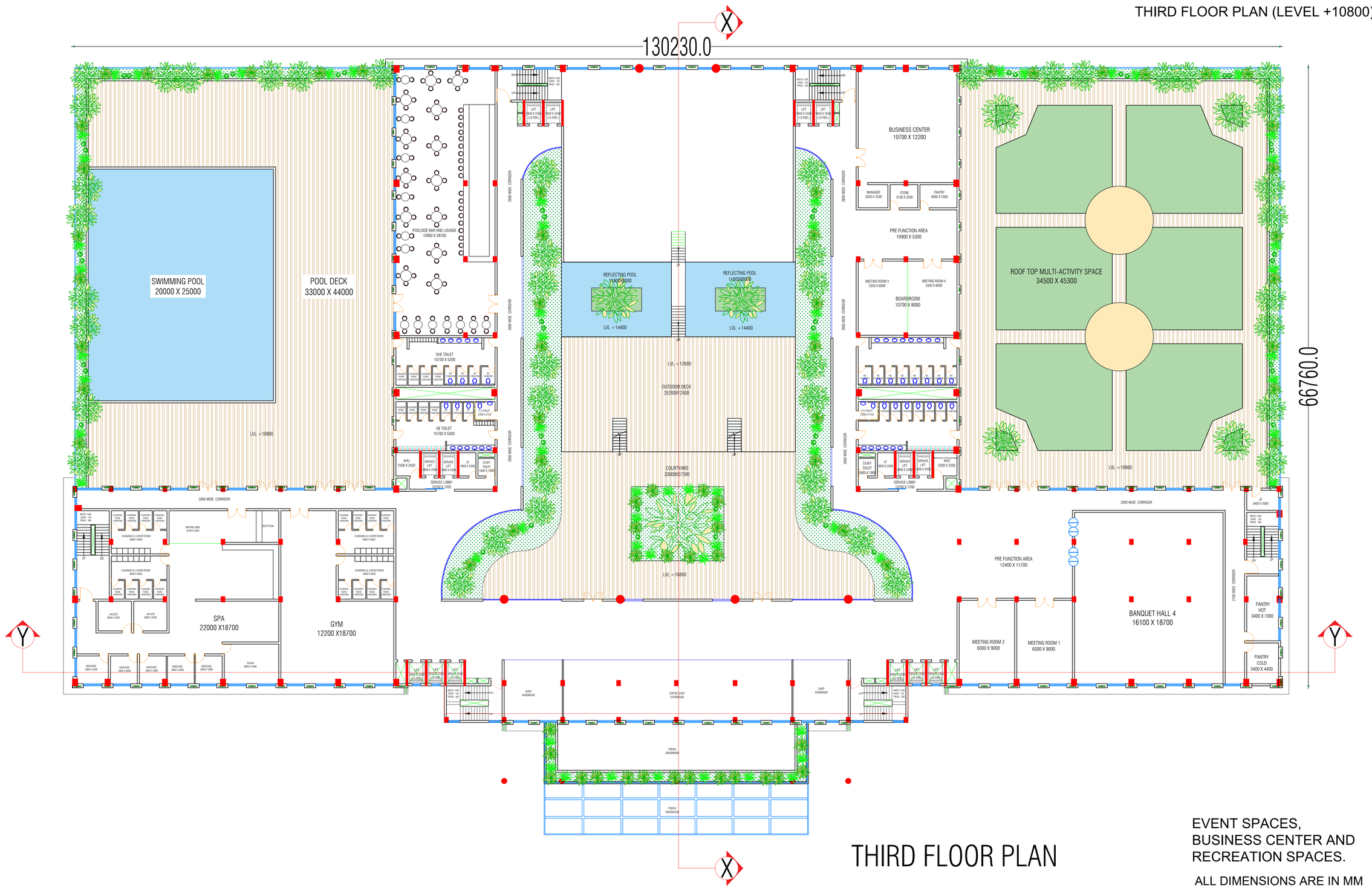
SERVICE FLOOR PLAN

SERVICE FLOOR

ALL DIMENSIONS ARE IN MM

FIVE STAR HOTEL AT GORAKHPUR	NORTH	SCALE : - 1:200 SIGN : -	SHEET NO : - 4	DRG. TITLE SECOND FLOOR PLAN	THESIS BY - MOHAMMAD IBRAHEEM 1180101029	B.ARCH 5TH YEAR (X SEM) THESIS (2022 -23) SCHOOL OF ARCHITECTURE B.B.D.U ,LUCKNOW

THIRD FLOOR PLAN (LEVEL +10800)



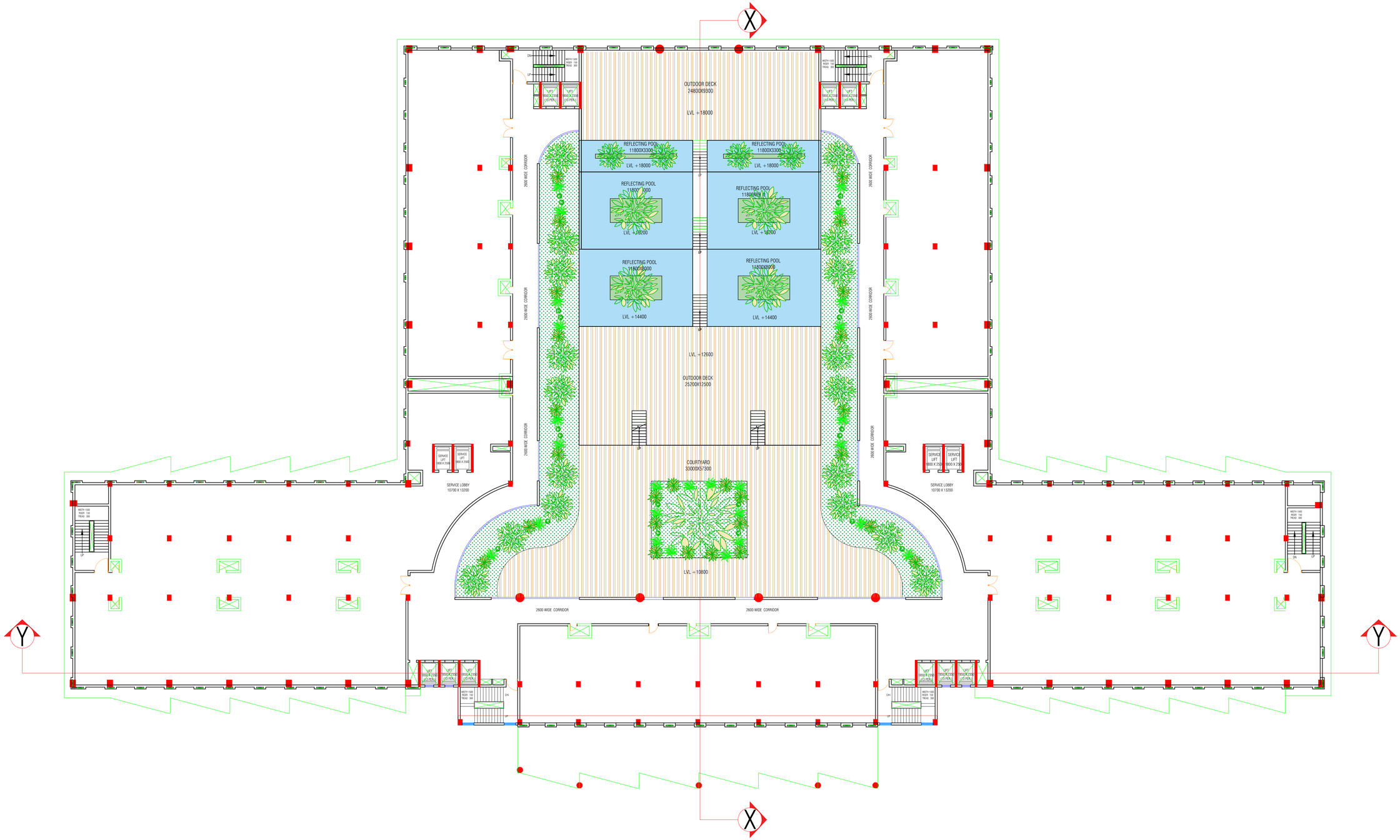
THIRD FLOOR PLAN

EVENT SPACES,
BUSINESS CENTER AND
RECREATION SPACES.

ALL DIMENSIONS ARE IN MM

FIVE STAR HOTEL AT GORAKHPUR	NORTH	SCALE : - 1:200 SIGN : - SHEET NO : - 5	DRG. TITLE THIRD FLOOR PLAN	THESIS BY - MOHAMMAD IBRAHEEM 1180101029	B.ARCH 5TH YEAR (X SEM) THESIS (2022 -23) SCHOOL OF ARCHITECTURE B.B.D.U ,LUCKNOW

FOURTH FLOOR PLAN (LEVEL +14400)



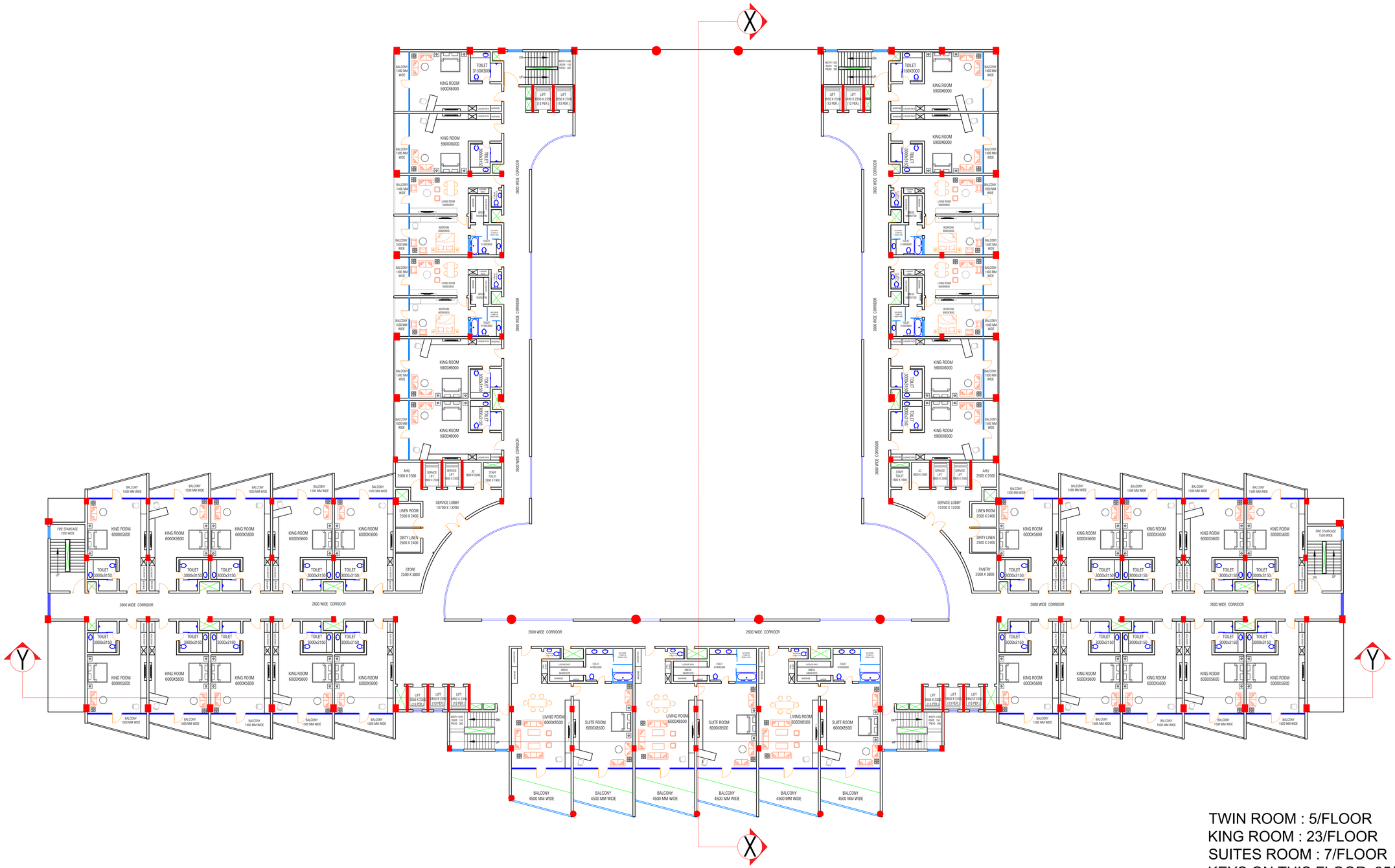
SERVICE FLOOR PLAN

SERVICE FLOOR

ALL DIMENSIONS ARE IN MM

FIVE STAR HOTEL AT GORAKHPUR	NORTH	SCALE : - 1:200 SIGN : - SHEET NO : - 6	DRG. TITLE FOURTH FLOOR PLAN	THESIS BY - MOHAMMAD IBRAHEEM 1180101029	B.ARCH 5TH YEAR (X SEM) THESIS (2022 -23) SCHOOL OF ARCHITECTURE B.B.D.U ,LUCKNOW

5TH&6TH TYPICAL FLOOR PLAN (LEVEL +18000,+21600)

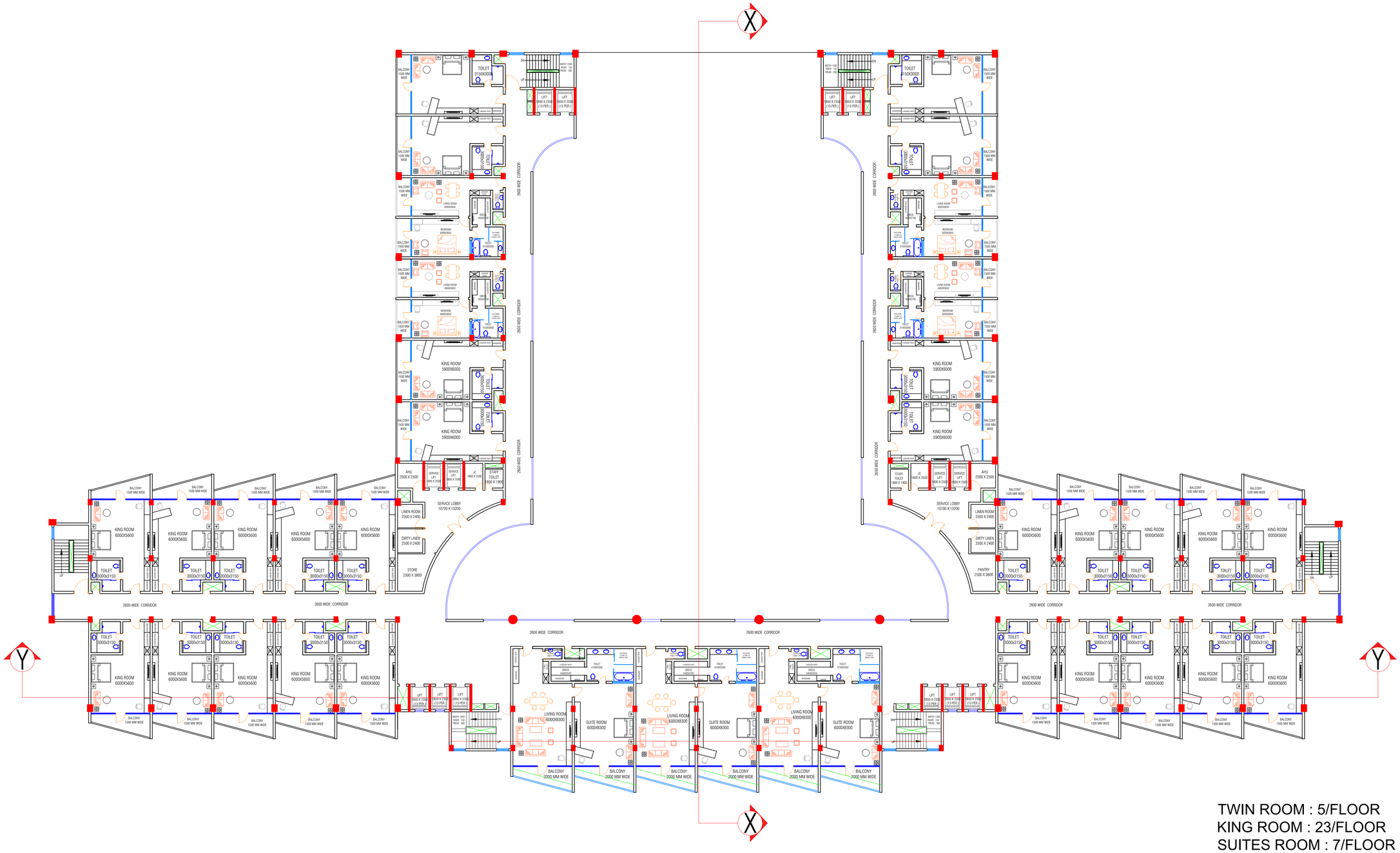


FIFTH & SIXTH TYPICAL FLOOR PLAN

TWIN ROOM : 5/FLOOR
KING ROOM : 23/FLOOR
SUITES ROOM : 7/FLOOR
KEYS ON THIS FLOOR :35/FLOOR
TOTAL KEYS : 70
ALL DIMENSIONS ARE IN MM

FIVE STAR HOTEL AT GORAKHPUR	NORTH N	SCALE : - 1:200 SIGN : - SHEET NO : - 7	DRG. TITLE 5TH & 6TH FLOOR PLAN	THESIS BY - MOHAMMAD IBRAHEEM 1180101029	B.ARCH 5TH YEAR (X SEM) THESIS (2022 -23) SCHOOL OF ARCHITECTURE B.B.D.U ,LUCKNOW

7TH&8TH TYPICAL FLOOR PLAN (LEVEL +25200,+28800)

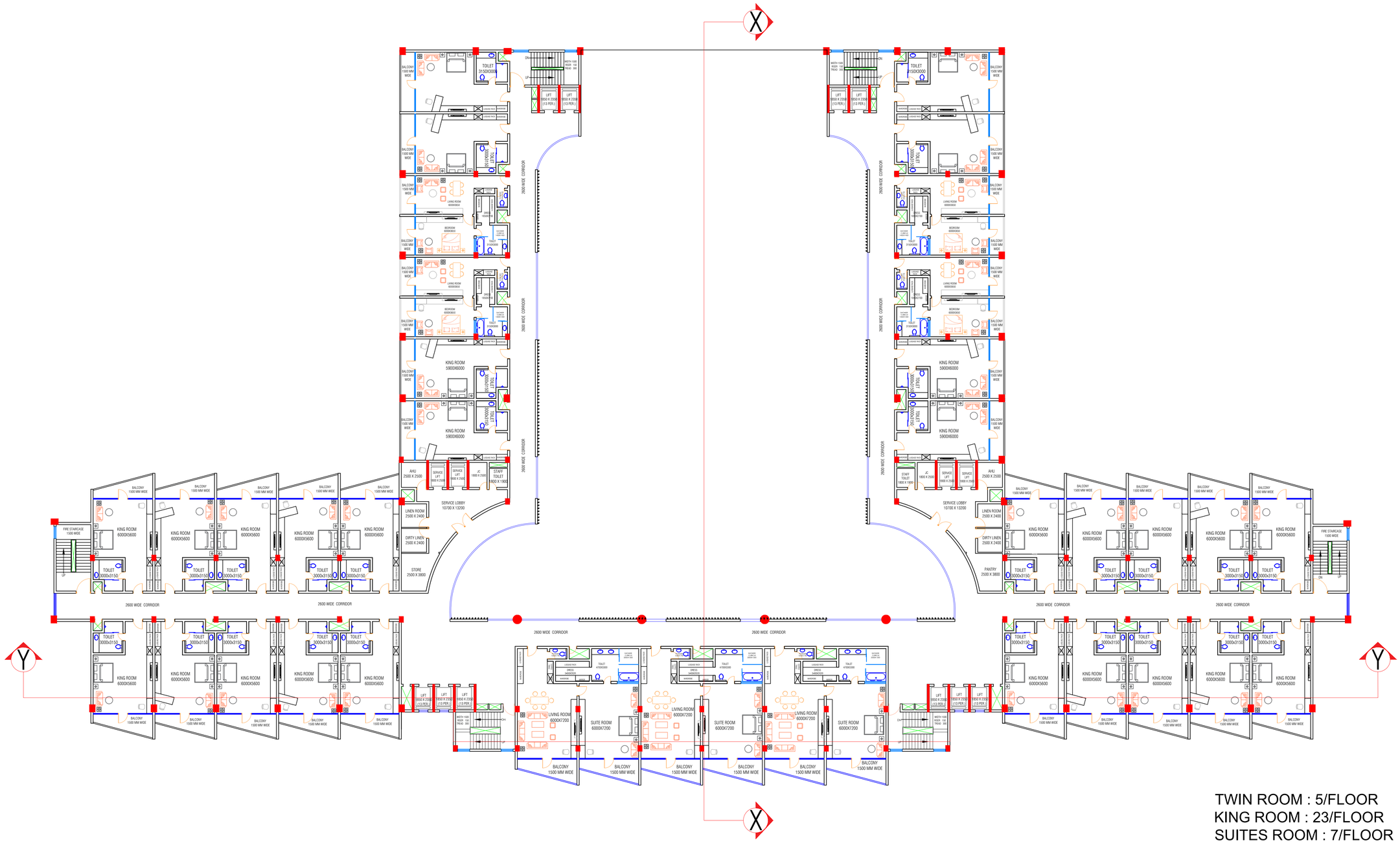


SEVENTH & EIGHTH TYPICAL FLOOR PLAN

TWIN ROOM : 5/FLOOR
KING ROOM : 23/FLOOR
SUITES ROOM : 7/FLOOR
KEYS ON THIS FLOOR :35/FLOOR
TOTAL KEYS : 70
ALL DIMENSIONS ARE IN MM

FIVE STAR HOTEL AT GORAKHPUR	NORTH	SCALE : - 1:200 SIGN : -	SHEET NO : - 8	DRG. TITLE 7TH TO 8TH FLOOR PLAN	THESIS BY - MOHAMMAD IBRAHEEM 1180101029	B.ARCH 5TH YEAR (X SEM) THESIS (2022 -23) SCHOOL OF ARCHITECTURE B.B.D.U ,LUCKNOW

9TH TO 11TH TYPICAL FLOOR PLAN (LEVEL +32400,+36000,+39600)

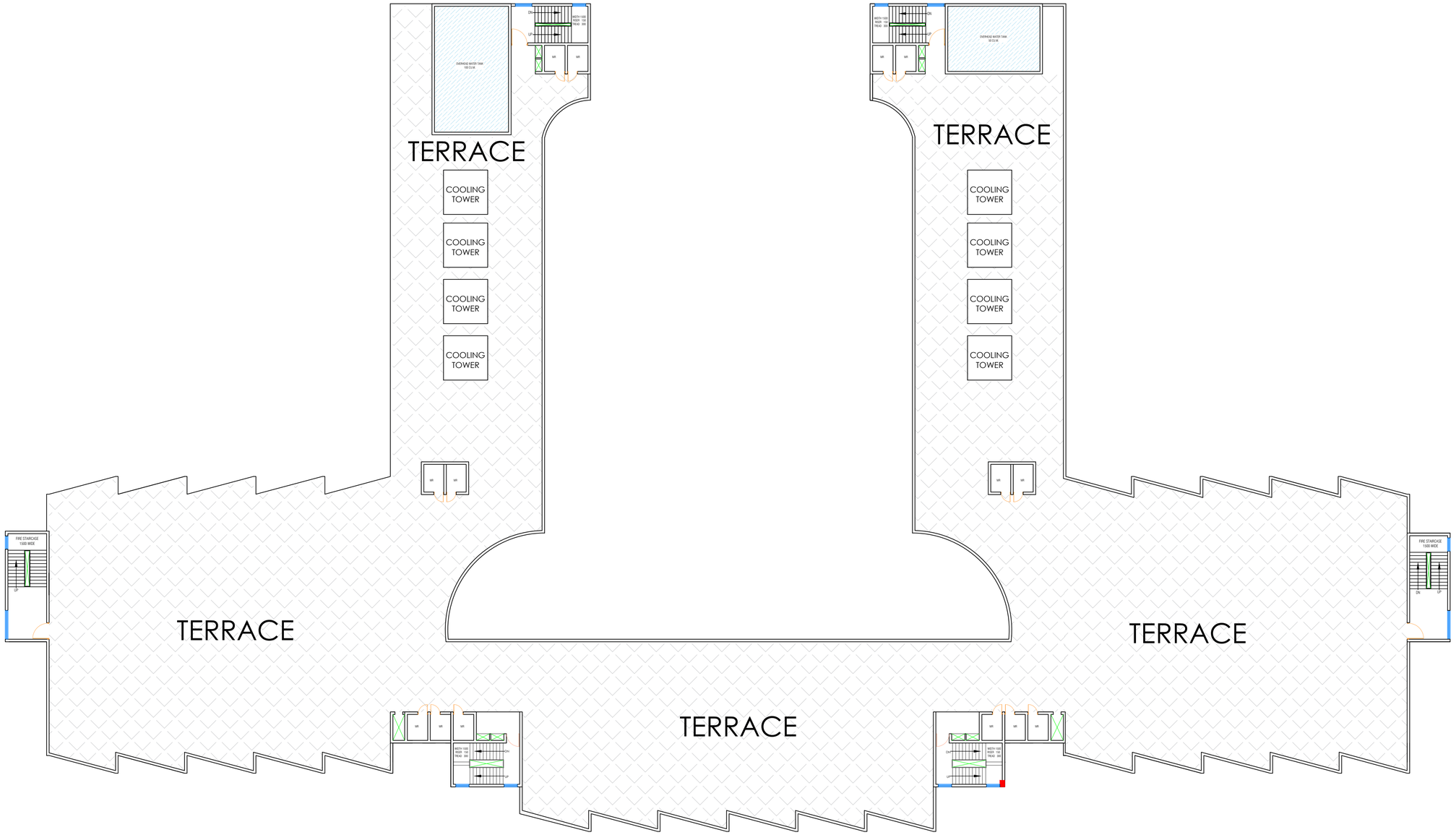


NINTH TO ELEVENTH TYPICAL FLOOR PLAN

TWIN ROOM : 5/FLOOR
KING ROOM : 23/FLOOR
SUITES ROOM : 7/FLOOR
KEYS ON THIS FLOOR :35/FLOOR
TOTAL KEYS : 105
ALL DIMENSIONS ARE IN MM

FIVE STAR HOTEL AT GORAKHPUR	NORTH	SCALE : - 1:200 SIGN : - SHEET NO : - 9	DRG. TITLE 9TH TO 11TH FLOOR PLAN	THESIS BY - MOHAMMAD IBRAHEEM 1180101029	B.ARCH 5TH YEAR (X SEM) THESIS (2022 -23) SCHOOL OF ARCHITECTURE B.B.D.U ,LUCKNOW

TERRACE PLAN (LEVEL +43200)

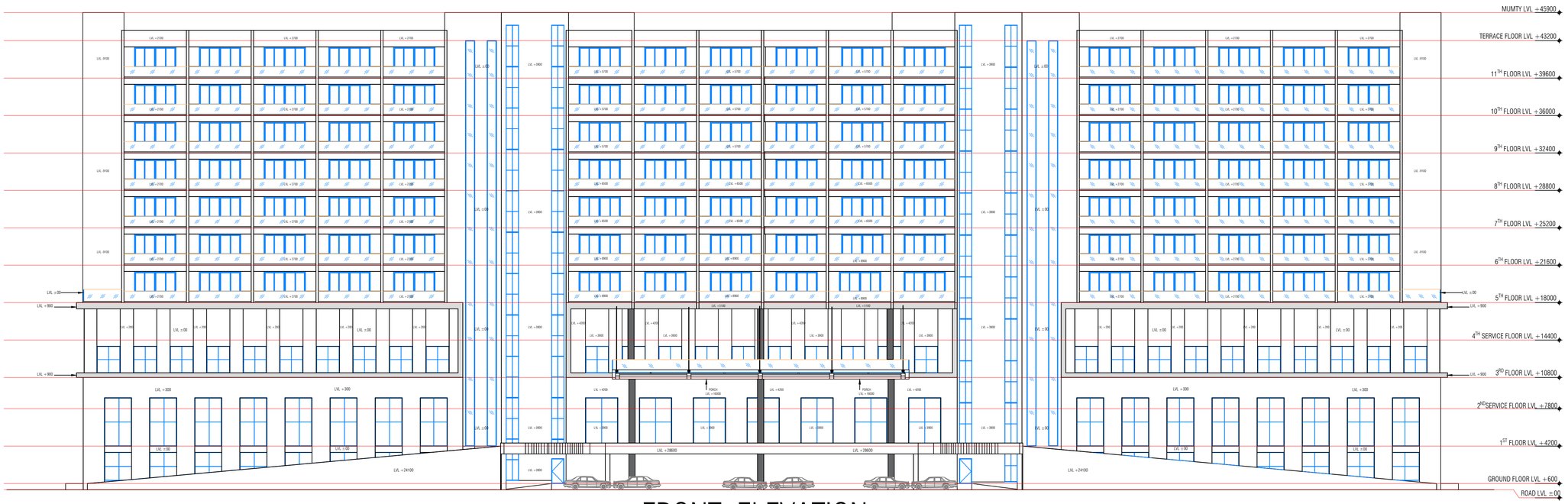


TERRACE FLOOR PLAN

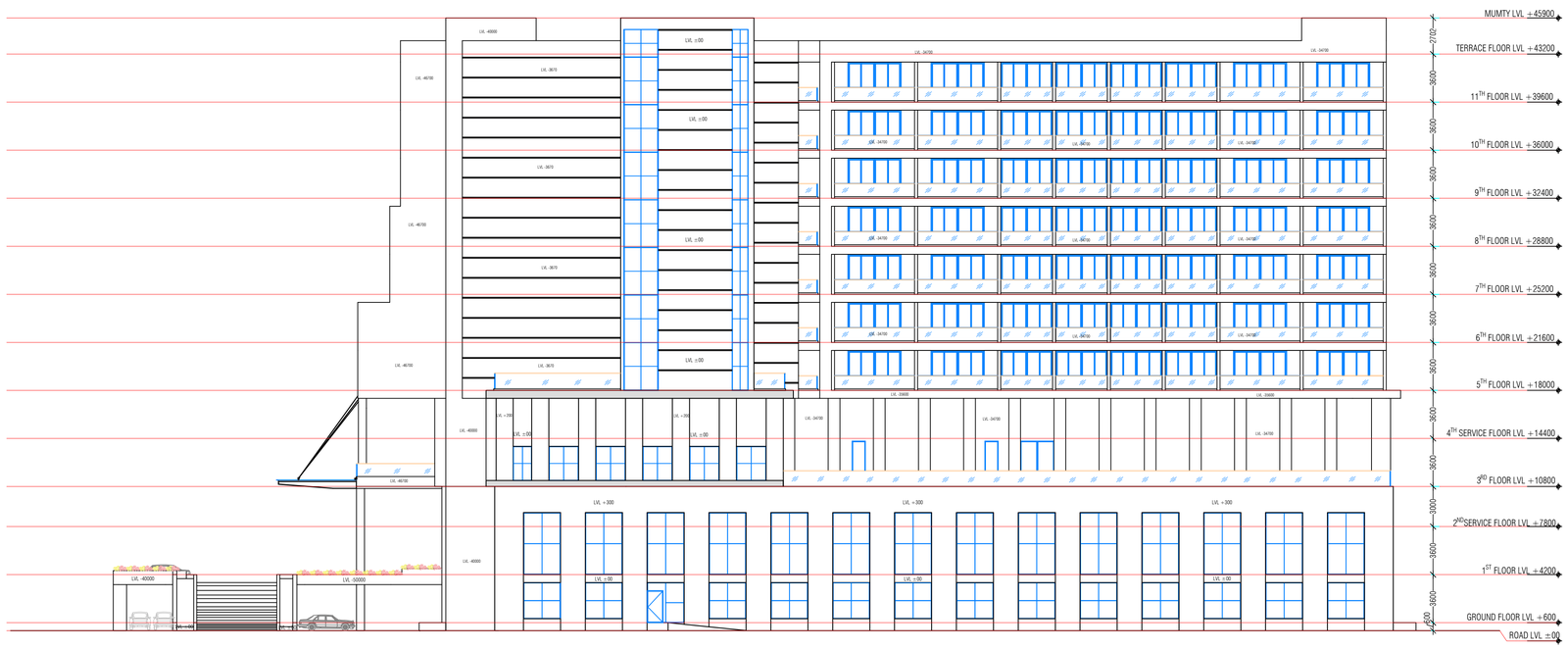
COOLING TOWER, MACHINE ROOM AND OVERHEAD TANKS.

ALL DIMENSIONS ARE IN MM

FIVE STAR HOTEL AT GORAKHPUR	NORTH N	SCALE : - 1:200 SIGN : - SHEET NO : - 10	DRG. TITLE TERRACE PLAN	THESIS BY - MOHAMMAD IBRAHEEM 1180101029	B.ARCH 5TH YEAR (X SEM) THESIS (2022 -23) SCHOOL OF ARCHITECTURE B.B.D.U ,LUCKNOW



FRONT ELEVATION



RIGHT SIDE ELEVATION

FIVE STAR HOTEL

AT GORAKHPUR

NORTH

SCALE : - 1:250

SIGN : -

SHEET NO:- 12

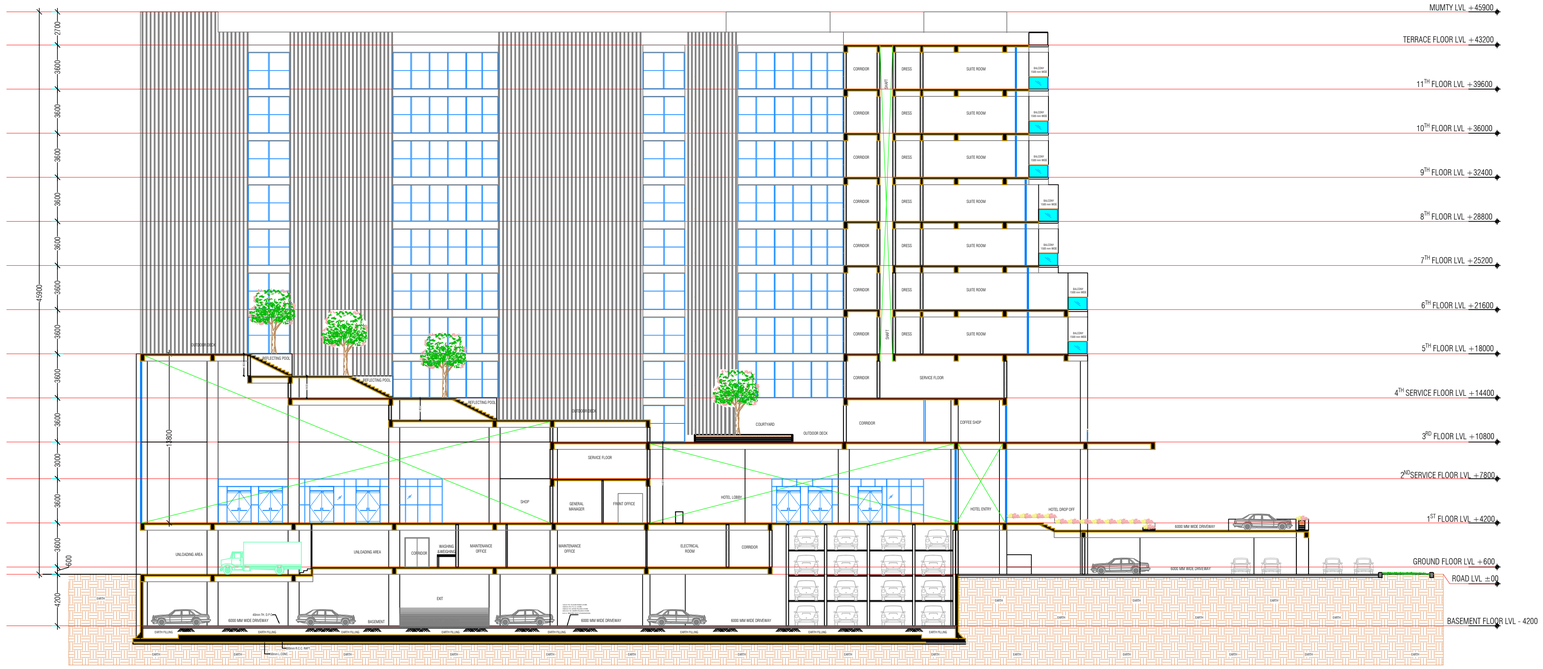
DRG. TITLE

ELEVATION'S

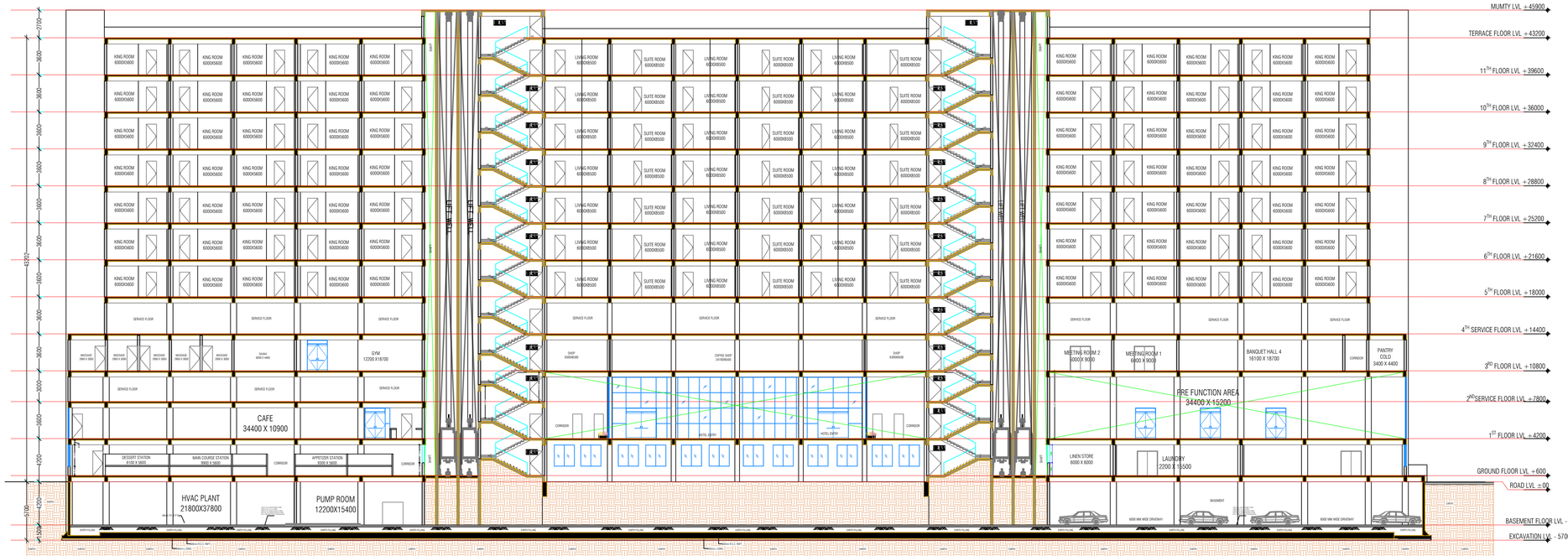
THESIS BY -

MOHAMMAD IBRAHEEM
1180101029

B.ARCH 5TH YEAR (X SEM)
THESIS (2022 -23)
SCHOOL OF ARCHITECTURE
B.B.D.U ,LUCKNOW



SECTION AT X—X



SECTION AT Y—Y

FIVE STAR HOTEL

AT GORAKHPUR

NORTH

N

SCALE : - 1:250

SIGN : -

SHEET NO:- 11

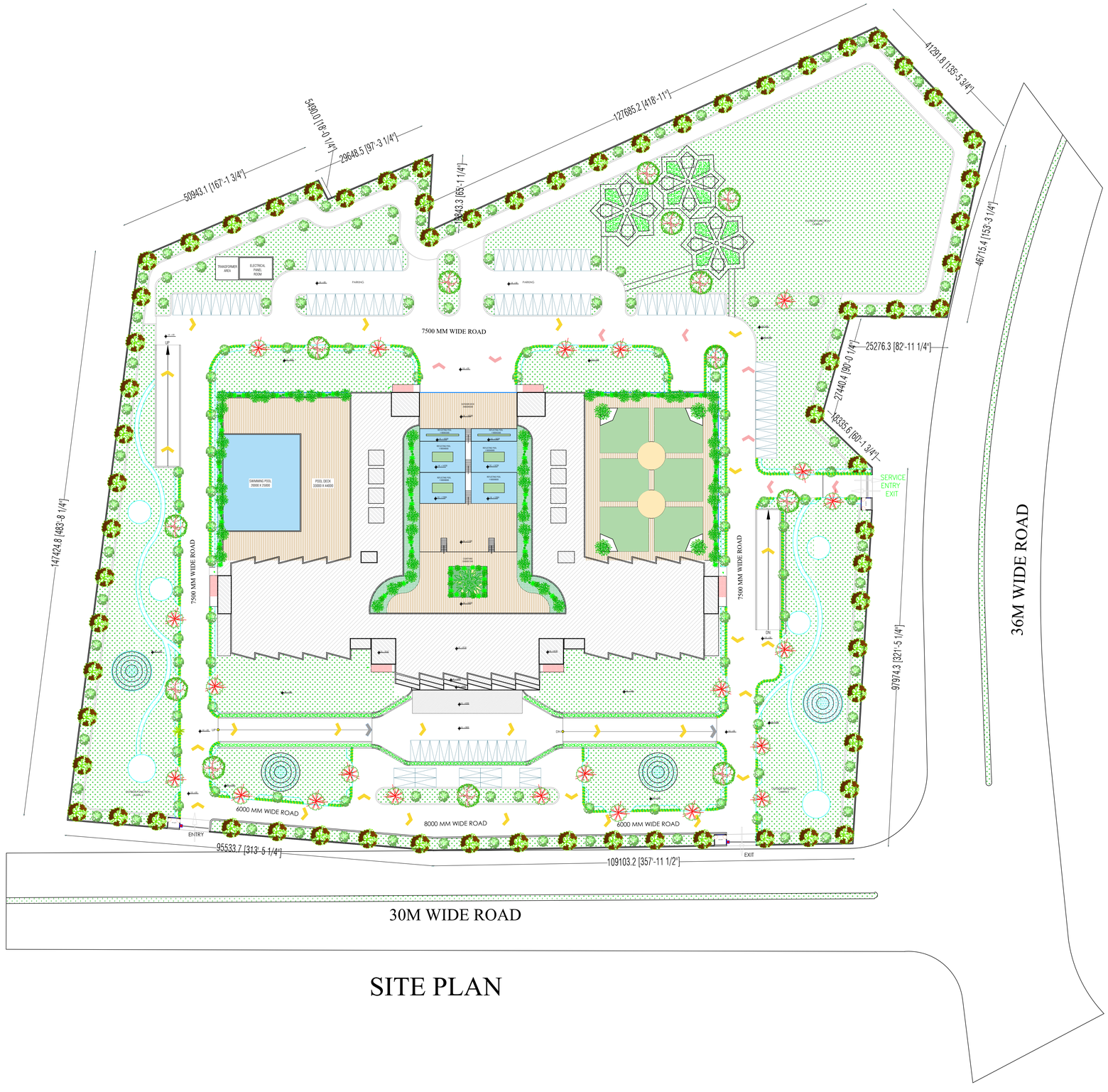
DRG. TITLE

SECTION'S

THESIS BY -

MOHAMMAD IBRAHEEM
1180101029

B.ARCH 5TH YEAR (X SEM)
THESIS (2022 -23)
SCHOOL OF ARCHITECTURE
B.B.D.U ,LUCKNOW



SITE PLAN

AREA STATEMENT

AREA STATEMENT:

PLOT AREA	= 8.13 ACRE (32901.65) sq.mt.)
PERMISSIBLE GROUND COVERAGE (40%)	= 13160.40 sq.mt.
PERMISSIBLE F.A.R. (2.0)	= 65803.3 sq.mt.
ACHEIVED GROUND COVERAGE (%)	= sq.mt.
ACHEIVED F.A.R. ( )	= sq.mt.

FIVE STAR HOTEL

AT GORAKHPUR

NORTH

SCALE : - 1:500

SIGN : -

SHEET NO : -

DRG. TITLE

SITE PLAN

THESIS BY -

MOHAMMAD IBRAHEEM
1180101029

B.ARCH 5TH YEAR (X SEM)
THESIS (2022 -23)
SCHOOL OF ARCHITECTURE
B.B.D.U ,LUCKNOW

LEGEND

1)

BOTANICAL NAME	Anthocephalus cadamba (AC)
LOCAL NAME	KADAMB
	DECIDUOUS / QUICK GROWING
HEIGHT	15M–21M
SPREAD	12M–15M
FLOWERING SEASON	AUG–SEP
COLOUR OF FLOWER	ORANGE
FRAGRANCE	YES
LIGHT REQUIREMENT	FULL SUN
TYPE	PREFERS WARM MOIST CLIMATE. IT
REMARK	CAN BE SUCCESSFULLY GROWN IN SUBHUMID CLIMATE.IT REQUIRES DEEP WELL DRAINED LIGHT SOIL.
USAGE	ITS A BEAUTIFUL TALL TREE WITH DENSE FOLIAGE & CONICAL CROWN. MUCH ADMIRED FOR ITS GOLDEN BALL OF FLOWERS. VERY SUITABLE FOR ROAD SIDE PLANTATION

2)

BOTANICAL NAME	Cassia fistula (CF)
LOCAL NAME	AMALTAS
TYPE	DECIDUOUS /SMALL TO MED SIZED
HEIGHT	10M – 13M
SPREAD	9M – 13M
FLOWERING SEASON	SCENTED FLOWERS APPEAR THROUGHOUT YEAR.
COLOUR OF FLOWER	YELLOW
FRAGRANCE	–
LIGHT REQUIREMENT	FULL SUN
REMARK	GROWS IN WIDE RANGE OF CLIMATIC CONDITIONS. IT CAN ALSO WITH STAND EXCESSIVE DROUGHT.
USAGE	IT IS ONE OF THE MOST BEAUTIFUL TREES IN INDIA SO PLANTED IN PARKS IN CLUMPS & ALSO ALONG SMALL CITY ROADS

3)

BOTANICAL NAME	Callistemon Lanceolatis (CL)
LOCAL NAME	THE BOTTLE BRUSH TREE
TYPE	EVERGREEN TREE
HEIGHT	7 M – 10M
FLOWERING SEASON	FLOWER THROUGHOUT THE YEAR
COLOUR OF FLOWER	BRIGHT RED
FRAGRANCE	-
LIGHT REQUIREMENT	FULL SUN
REMARK	GROWS WELL IN WARM HUMID AND MOIST SOIL
USAGE	PLANTED AT THE BACKGROUND OF SMALL GARDENS,AROUND THE BORDERS OF LAKES,POOLS AND TANKS

4)

BOTANICAL NAME	Plumeria alba (PA)
LOCAL NAME	CHAMPA, FRANGIPANI, PAGODA TREE
TYPE	EVERGREEN
HEIGHT	4 M
SPREAD	3 M
FLOWERING SEASON	SCENTED FLOWERS APPEAR THROUGHOUT THE YEAR
COLOUR OF FLOWER	WHITE WITH YELLOW THROAT
FRAGRANCE	YES
LIGHT REQUIREMENT	FULL SUN
REMARK	FLOWERS BETTER IN POOR AND POROUS SOIL

5)

BOTANICAL NAME	Nyctanthes arbor-tristis
LOCAL NAME	Night flowering jasmine
	DECIDUOUS / QUICK GROWING
HEIGHT	1.5M–10M
SPREAD	1.5M–3M
FLOWERING SEASON	AUG–SEP
COLOUR OF FLOWER	FRAGRANT WHITE FLOWERS
FRAGRANCE	YES
LIGHT REQUIREMENT	FULL SUN
REMARK	PREFERS WARM MOIST CLIMATE. IT CAN BE SUCCESSFULLY GROWN IN SUBHUMID CLIMATE.IT REQUIRES DEEP WELL DRAINED LIGHT SOIL.

6)

BOTANICAL NAME	SARACA ASOCA
LOCAL NAME	ASHOKA
	EVERGREEN TREE
HEIGHT	10M–15M
SPREAD	2.5M–3M
FLOWERING SEASON	MARCH – APRIL
COLOUR OF FLOWER	STAR SHAPED YELLOW FLOWER
LIGHT REQUIREMENT	FULL SUN
REMARK	GROWS IN ANY TYPE OF SOIL.
USAGE :	PLANTED TO DEFINE AVENUES.

ROAD

PEDESTRIAN

NATURAL TURF

BUILDING BLOCK

BOTANICAL NAME :	ALCEA ROSEA
LOCAL NAME :	HOLLYHOCKS
HEIGHT : 1.5M-1.8M	FOLIAGE : 0.15M-0.4M
COLOUR OF FLOWER:	YELLOW FLOWER
LIGHT REQUIREMENT:	FULL SUN
REMARK :	GROWS IN ANY TYPE OF SOIL.

BOTANICAL NAME :	CORYDAILS LUTEA
LOCAL NAME :	YELLOW BLEEDING HEART
HEIGHT : 0.3M-0.5M	FOLIAGE : 0.15M-0.4M
COLOUR OF FLOWER:	YELLOW FLOWER
LIGHT REQUIREMENT:	FULL SUN
REMARK :	GROWS IN ANY TYPE OF SOIL.

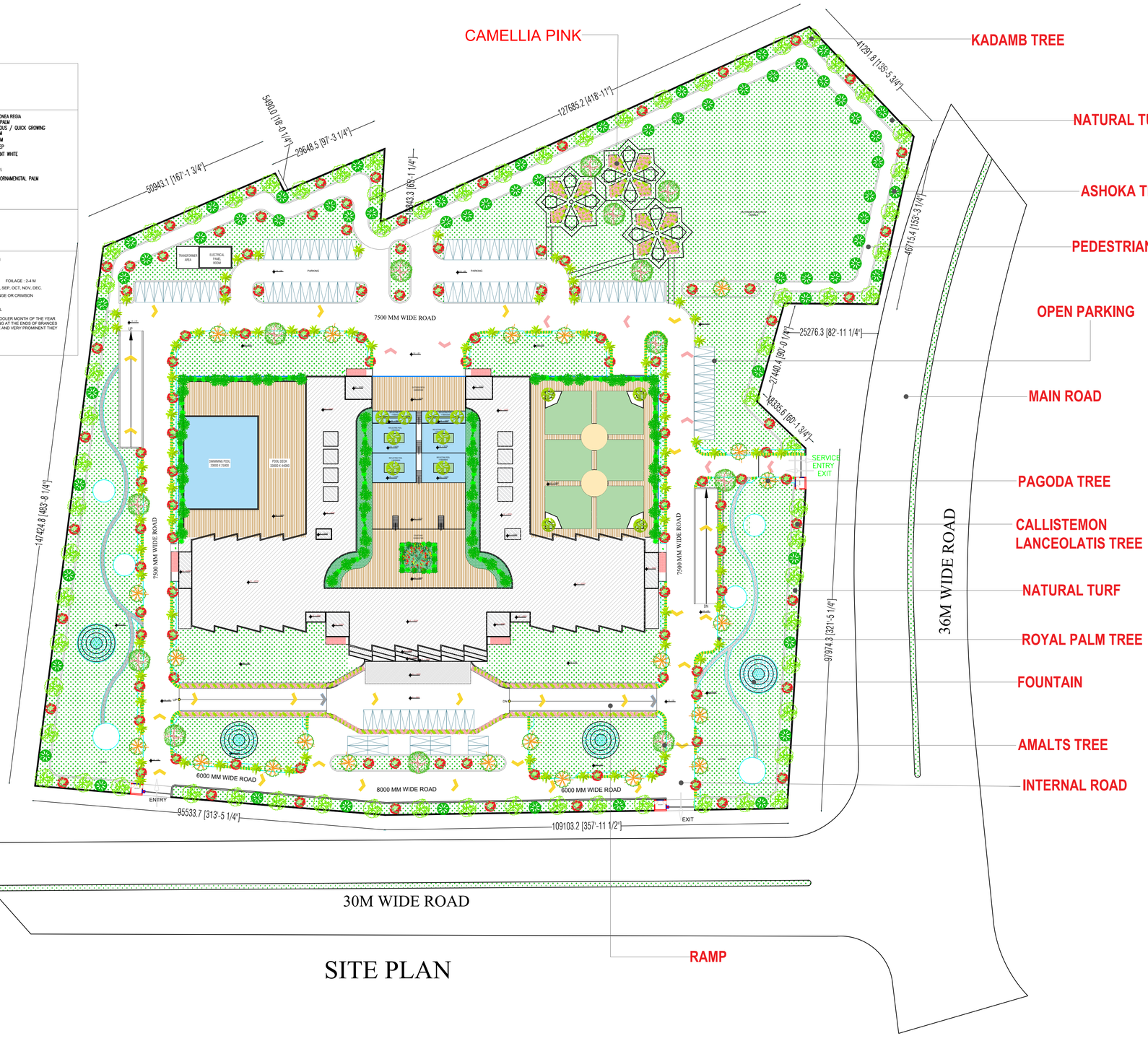
BOTANICAL NAME :	CAMELLIA X WILLIAMSII
LOCAL NAME :	CAMELLIA NOVEMBER PINK
HEIGHT : 1.5M-2.5M	FOLIAGE : 2.5M-4M
COLOUR OF FLOWER:	PINK FLOWER
LIGHT REQUIREMENT:	FULL SUN
REMARK :	GROWS IN ANY TYPE OF SOIL.

7)

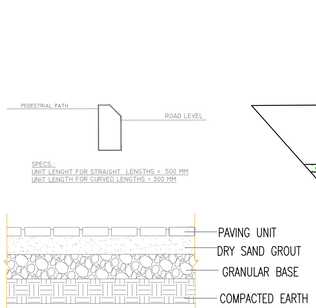
BOTANICAL NAME	ROYSTONEA REGIA
LOCAL NAME	ROYAL PALM
	DECIDUOUS / QUICK GROWING
HEIGHT	4M–15M
SPREAD	1.5M–3M
FLOWERING SEASON	AUG–SEP
COLOUR OF FLOWER	FRAGRANT WHITE
FRAGRANCE	YES
LIGHT REQUIREMENT	FULL SUN
REMARK	LARGE ORNAMENGTAL PALM

8)

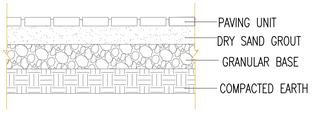
BOTANICAL NAME : PLUMERIA RUBRAI
LOCAL NAME : TEMPLE TREE
TYPE : DECIDUOUS
HEIGHT : 7-8 M FOLIAGE : 2-4 M
FLOWERING SEASON : JAN, FEB, AUG, SEP, OCT, NOV, DEC.
COLOUR OF FLOWER: REDDISH-ORANGE OR CRIMSON
LIGHT REQUIREMENT: SUN GROWING
REMARK : GROW IN ANY TYPE OF SOIL
USAGE : THEY ARE FALLING IN THE COOLER MONTH OF THE YEAR. THE FLOWER ARE TERMINAL,APPELING AT THE ENDS OF BRANCES OVER THE SUMMER.OFTEN PROFUSE AND VERY PROMINENT THEY ARE STRONGLY FRANGRANT.



SECTION - DETAILS OF PLANTER AND TRACK



SPECS :-
UNIT LENGHT FOR STRAIGHT LENGTHS = 500 MM
UNIT LENGTH FOR CURVED LENGTHS = 300 MM



SITE PLAN

FIVE STAR HOTEL

AT GORAKHPUR

NORTH

SCALE : - 1:500

SIGN : -

SHEET NO : -

DRG. TITLE

ELECTIVE-1
LANDSCAPEING

THESIS BY -

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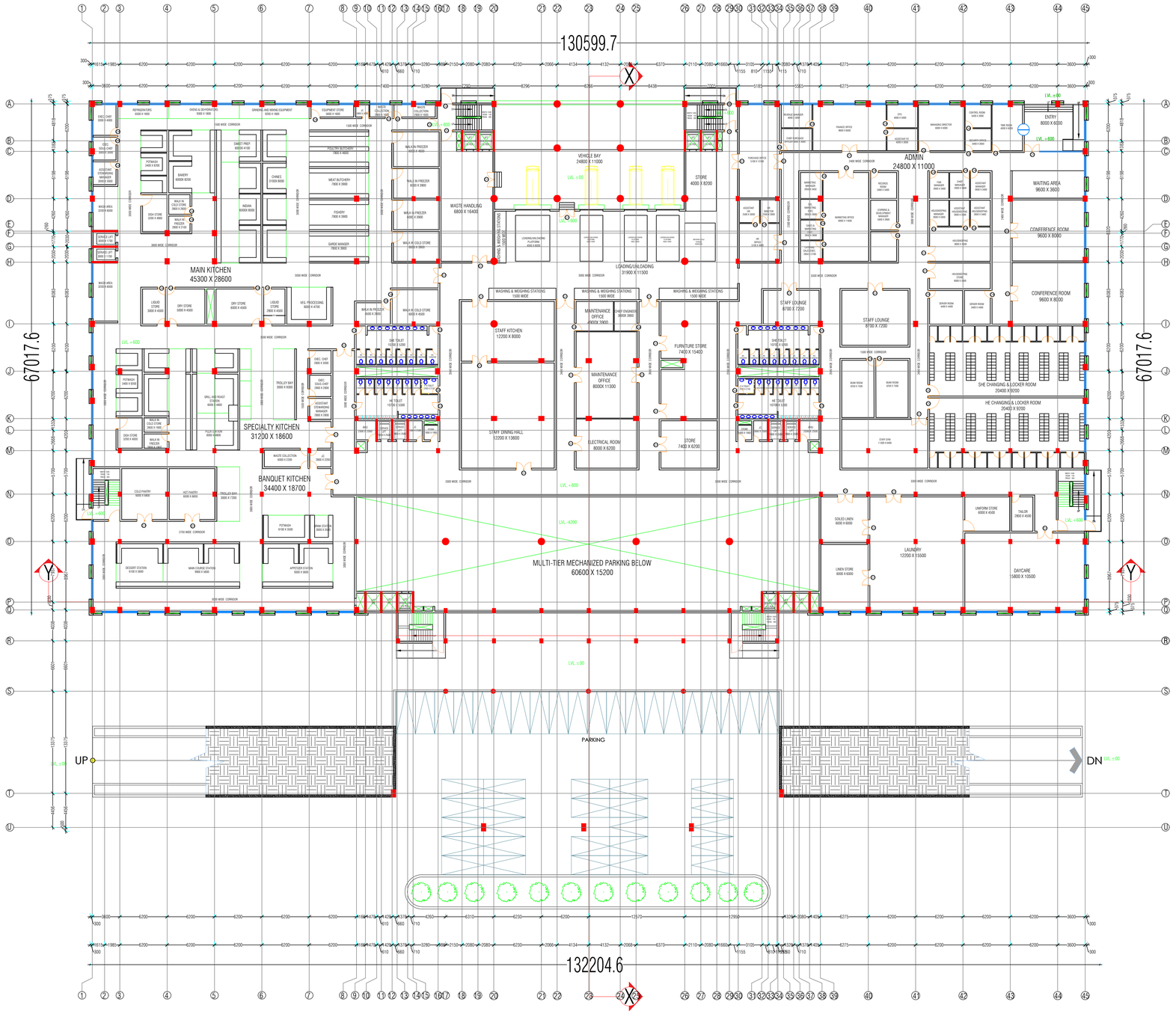

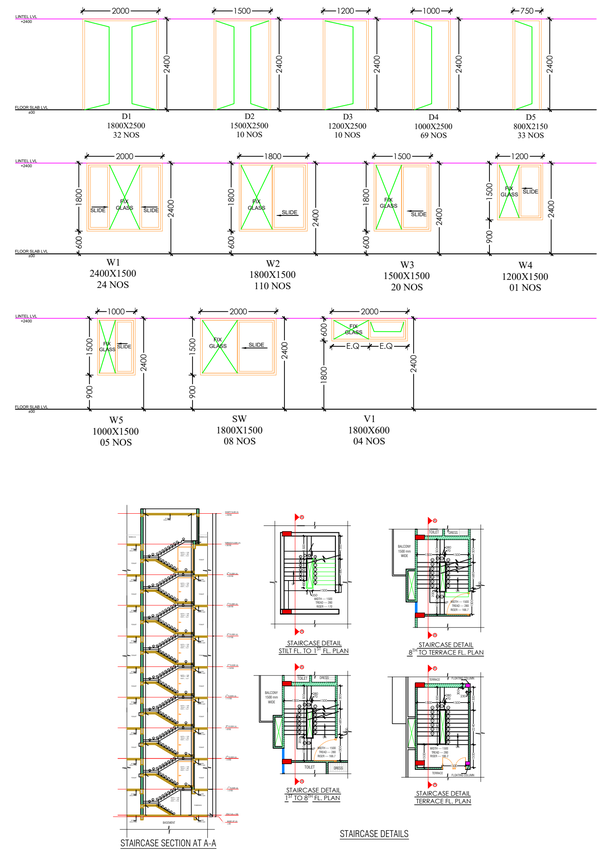

FIVE STAR HOTEL

AT GORAKHPUR

NORTH

SCALE : - 1:300

SIGN : -

SHEET NO : -

DRG. TITLE

ELECTIVE-2
WORKING

THESIS BY -

MOHAMMAD IBRAHEEM
1180101029

B.ARCH 5TH YEAR (X SEM)
THESIS (2022 -23)
SCHOOL OF ARCHITECTURE
B.B.D.U ,LUCKNOW