

THESIS REPORT ON
FIVE STAR HOTEL,NEW DELHI

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

BACHELOR OF ARCHITECTURE

BY

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UNDER TE SUPERVISION OF:

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

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CERTIFICATE

I hereby recommend that the thesis entitled“.FIVE STAR HOTEL”.....AT NEW DELHI, under the supervision of **PROF.K.K.DIXIT**, is the bonafide work of **APOORV PANDIT(1150101089)** and can be accepted as partial fulfillment of the requirement for the degree of Bachelor’s in architecture, School of Architecture and Planning, BBDU,Lucknow.

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Recommendation

Accepted

Not Accepted

External Examiner 1.

External Examiner 2.

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INTRODUCTION

HOTEL

- THE WORD HOTEL DERIVES FROM THE FRENCH HOTEL, WHICH REFERRED TO A FRENCH VERSION COMMERCIAL BASIN OF A TOWNHOUSE OR ANY OTHER BUILDING SEEING FREQUENT VISITORS.
- A HOTEL IS AN ESTABLISHMENT THAT PROVIDES LODGING, NUMBER OF ADDITIONAL GUEST SERVICES SUCH AS A RESTAURANT, A SWIMMING POOL, CONVENTIONS AND MEETINGS AT THEIR LOCATION.
- HOTEL HAVE GROWN INTO TRUE CIVIC CENTRE SERVING THE NEEDS OF THE COMMUNITY,PLAYING AN EVER INCREASING ROLE IN INTERNATIONAL TRADE AND TRAVELS.
- COMMERCIAL HOTEL ALSO CALLED A CITY HOTEL OR A SUB-URBAN HOTEL ANDI IS SITUATED IN A BUSY COMMERCIAL AREA. IT HAS MUCH OF COMMERCIAL SPACES LIKE OFFICES,SHOPS AND BANQUETS.
- BUSINESS TRIP AND LEISURE TRAVEL BY THE PEOPLE HAVE GIVEN A BOOST TO HOTEL INDUSTRY.
- HOTEL INDUSTRY FORM THE BACKBONE OF TOURISM INDUSTRY WHICH IN TURN ADDS REVENUE TO OUR COUNTRY.

MARK SHEET FOR QUALITY

- THERE ARE CERTAIN MARKS SYSTEM ACCORDING TO WHICH THE STARS ARE GIVEN TO THE HOTELS DURING INSPECTION.

HOTEL RATINGS

FOOD SERVICES,ENTERTAINMENT,VIEW,ROOM VARIATION

SUCH AS SIZE AND ADDITIONAL,SPAS AND FITNESS

CENTERS,EASE OF ACCESS AND LOCATION MAY BE CONSIDERED IN ESTABLISHING A STANDARD. THE RATING

IS DEFINED BY THE RESPECTIVE HOTEL INDUSTRY ASSOCIATION USING A FIVE-STAR SYSTEM.

CLASSIFICATION

HOTEL TYPES:- LUXURY, MODEST, TOWN OR COUNTRY,RESORTS, BUSINESS ,LEISURE,SPORTS, TRANSIT OR RESIDENTAIL,HISTORIC HOTELS.

BOUTIQUE HOTELS:- BOUTIQUE HOTELS ARE FURNISHED IN A THEMED, STYLISH AND/OR INSPIRATIONAL MANNER. ALTHOUGH USUALLY CONSIDERABLY SMALLER THAN A MAINSTREAM HOTEL RANGING FROM 3 TO 100 GUEST ROOMS. BOUTIQUE HOTELS HAVE ON SITE DINING FACILITIES.

CAVE HOTELS:- ARE NOTABLE FOR BEING BUILT INTO NATURAL CAVE FORMATIONS, SOME WITH ROOMS UNDERGROUND.

GARDEN HOTELS:- GARDEN HOTELS,FAMOUS FOR THEIR GARDENS BEFORE THEY BECAME HOTELS.

OTHER UNUSUAL HOTELS:- BUILT WITH THE THEME OF THE WORLD HERITAGE LIKE PERSEPOLIS, DECIMAL SYSTEM, A SAIL BOAT ON AN ARTIFICIAL ISLAND.

- **TOURIST(*) 1 STAR:-** 100% of the rooms with shower/ wc or bath tub/ wc- daily room cleaning- 100% of the rooms with color-tv together with remote control table and chair soap or body wash reception service facsimile at the reception publicly available telephone for guests extended breakfast beverage offer in the hotel deposit possibility.
- **STANDARD(**) 2 STAR:-** In addition to the single star (*) hotels breakfast buffet reading light next to the bed bath essence or shower gel bath towels linen shelves offer of sanitary products (e.g. toothbrush, toothpaste, shaving kit) credit cards.
- **COMFORT(***) 3 STAR:-** In addition to the standard star (**) hotels reception opened 14 hours, accessible by phone 24 hours from inside and outside, bilingual staff (e.g. English) – three piece suite at the reception, luggage service- beverage offer in the room telephone in the room internet access in the room or in the public area heating facility in the bathroom, hair dryer, cleansing tissue dressing mirror, place to put the luggage/suitcase sewing kit, shoe polish utensils, laundry and ironing service additional blanket on demand systematic complaint management system.
- **FIRST CLASS (****) 4 STAR:-** In addition to the comfort (***) hotel reception opened 18 hours, accessible phone 24 hours from inside and outside lobby with seats and beverage service breakfast buffet or breakfast menu card via room service minibar or 24 hours beverages via room service upholstered chair/couch with side table bath robe and slippers on demand cosmetic products (e.g. shower cap, nail file, cotton swabs), vanity mirror, tray of a large scale in the bathroom) internet access and internet terminal “a la carte” restaurant.
- **LUXURY (*****) 5 STAR:-** In addition to the first class (****) hotels reception opened 24 hours, multilingual staff doorman service or valet parking concierge, page boy spacious reception hall with several seats and beverage service personalized greeting for each guest with fresh flowers or a present in the room minibar and food and beverage offer via room during 24 hours personal care products in flacons internet-pc in the room safe in the room ironing service (return with 1 h), shoe polish service turndown service in the evening mystery guesting.

HOTELS

Hotels are an integral part of a tourist's visit to a place and the services offered by them can make or mar a visit completely. With the aim of providing standardized, world class services to the Tourists, the government of India, department of tourism has a voluntary scheme for classification of fully operational hotels in the following categories:-

STAR HOTELS:

5 Star Deluxe, 5 Star, 4 Star, 3 Star, 2 Star, 1 Star.

CASE STUDY-1

LE-MERIDIEN HOTEL

INTRODUCTION

THE INTERNATIONALLY RENOWNED LE MERIDIEN BRAND WAS ESTABLISHED IN 1972 BY AIR FRANCE TO PROVIDE A HOME AWAY FROM HOME FOR ITS CUSTOMERS. THE FIVE STAR HOTEL LE-MERIDIEN IS BUILT ON TWO HECTARES OF LAND AT THE CONFLUENCE OF TWO MAJOR ROADS – JAN PATH AND RAISINA ROAD IN – NEW DELHI. HOTEL LE MERIDIEN, NEW DELHI WAS CONCEIVED TO MEET THE DEMAND FOR ASIAN GAMES OF 1982.



LOCATION:

LOCATED AT WINSOR PALACE, JANPATH AT THE CORNER WHERE TWO MAJOR ROADS JAN PATH & RAISINA ROAD CROSSES.

THE SERVICE ENTRANCE & ACCESS TO MECHANICAL SERVICES IS FROM JANPATH.

NEARBY:

2.5 KMS FROM RAILWAY STATION.
17 KMS FROM DOMESTIC AIRPORT.
23 KMS FROM IGI AIRPORT
5.6 KMS FROM ISBT (INTER STATE BUS TERMINAL)



ENTRANCE:

THERE ARE BASICALLY 2 ENTRANCES TO THE HOTEL. THE MAIN ENTRANCE TO THE HOTEL IS AT ONE SIDE OF THE HOTEL ON THE JAN PATH MARG. THE GUEST IS BROUGHT TO THE PORCH WITH A RAMP, WHICH WINDS ITS WAY BACK TO THE EXIT THROUGH THE PORCH. THERE IS QUITE A LANDSCAPED AREA IN BETWEEN ENTRY AND EXIT. THE SECOND ENTRANCE IS THE SERVICE ENTRY, WHICH WAS ORIGINALLY DESIGNED AS AN EXIT. THIS ENTRY IS WELL SECURED AND INCLUDES PROPER SECURITY.



ABOUT:

SITE AREA=4.29 ACRE
TOTAL BUILT AREA = 18700 SQ.MT.
NO OF ROOMS=355
TOTAL FLOOR =20

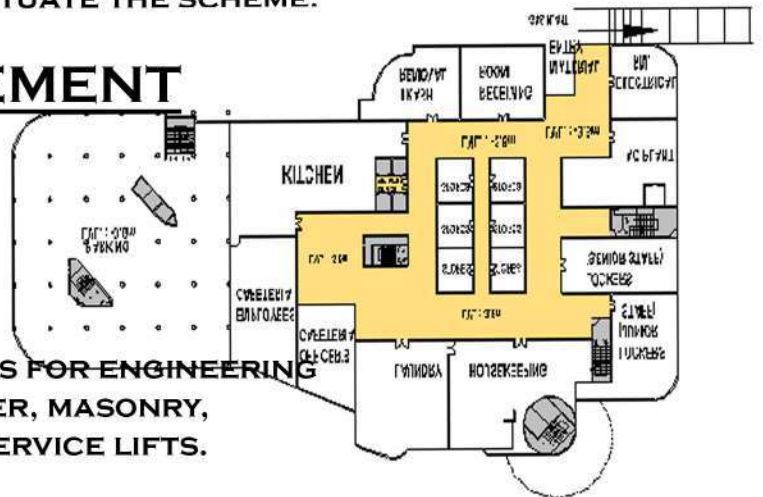


LOBBY:

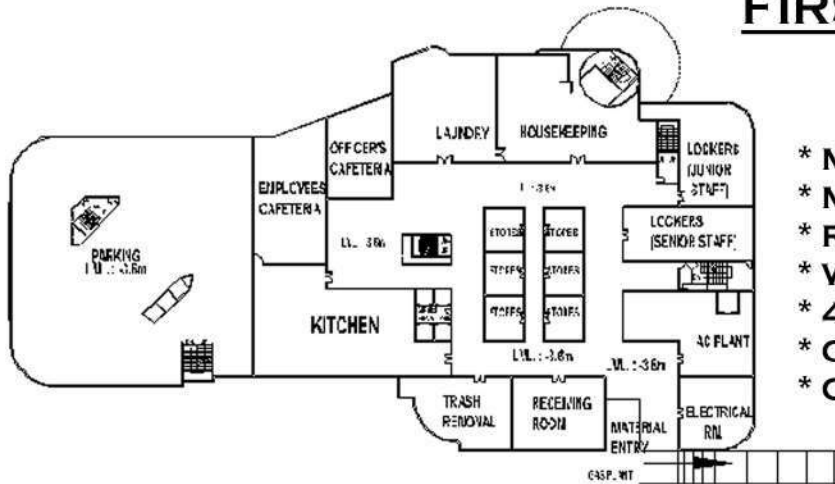
THE RECEPTION LOBBY SERVES AS THE CONNECTION BETWEEN THE TWO TOWERS OF THE HOTEL . THE LOBBY ITS DOUBLE HEIGHTED VOLUME ,HAS A RECEPTION ,A TRAVEL DESK ,MANAGERS DESK AND A BUSINESS CENTER THE COLOR SCHEME USED IN THE LOBBY IS BLACK AND WHITE AND RED HAS BEEN USED FOR THE FURNITURE, TO ACCENTUATE THE SCHEME.

LOWER AND UPPER BASEMENT FLOORS:

BASEMENT FLOOR IS ONLY FOR SERVICES. THIS FLOOR HAS SEPARATE STAIRCASE, WHICH CONNECTING IT WITH UPPER BASEMENT. BOILER ROOM , HOT WATER CALORIE FIRE ROOM A. C. , PLANT ROOM FIRE PUMP ROOM WORKSHOPS FOR ENGINEERING DEPARTMENT, MECHANICAL, CARPENTRY, PAINTER, MASONRY, ENGINEERING CONTROL ROOM AND OFFICES. 4 SERVICE LIFTS.



FIRST FLOOR(LOBBY FLOOR):

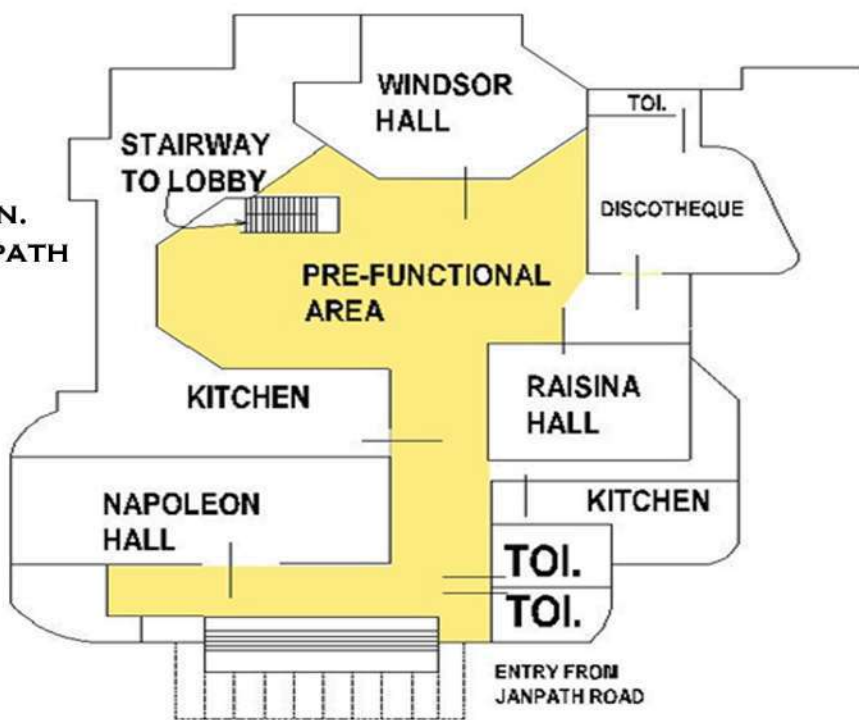


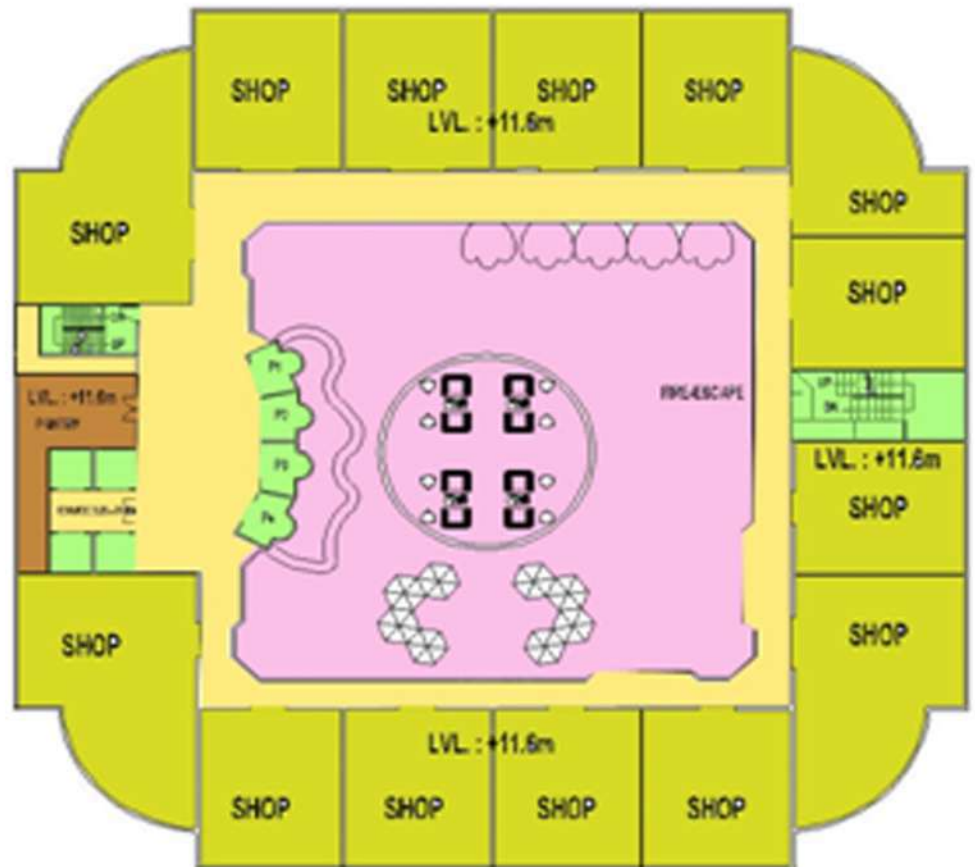
- * MAIN ENTRY
- * MAIN LOBBY
- * RECEPTION
- * WAITING AREAS
- * 4 GUEST LIFTS
- * COFFEE SHOP WITH KITCHEN
- * CHINESE RESTAURANT WITH KITCHEN



RAISINIA HALL:

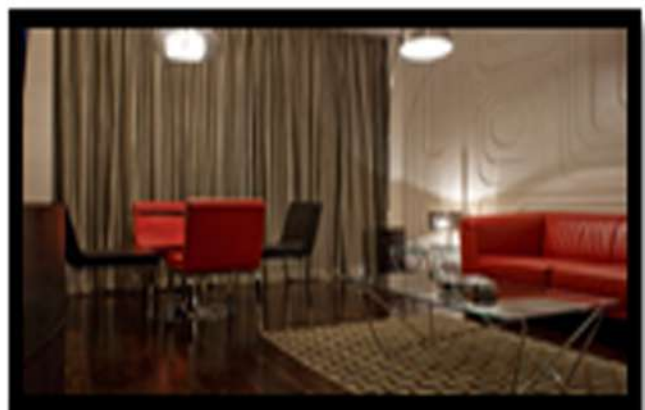
- *IT IS PERFECT PLACE FOR ANY OCASSION.
- *SEPARATE BANQUET ENTRY FROM JANPATH





GUEST ROOMS:

- * DELUXE ROOMS - 107
 - * PREMIUM ROOMS - 80
 - * LE ROYAL CLUB ROOMS - 115
 - * DELUXE SUITES - 23
 - * PREMIUM SUITES - 20
 - * LE ROYAL CLUBSUITES - 6
 - * LUXURY SUITES - 6
 - * PRESIDENTIAL SUITE - 1
 - * SUITE MEASUREMENTS VARY FROM 50-200SQM.
- AND CONSISTS OF A LIVING ROOM AND ONE / TWO BEDROOMS, SPACIOUS BATHROOM WITH SEPARATE SHOWER BATH.



SERVICES:

WATER SUPPLY AND 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.

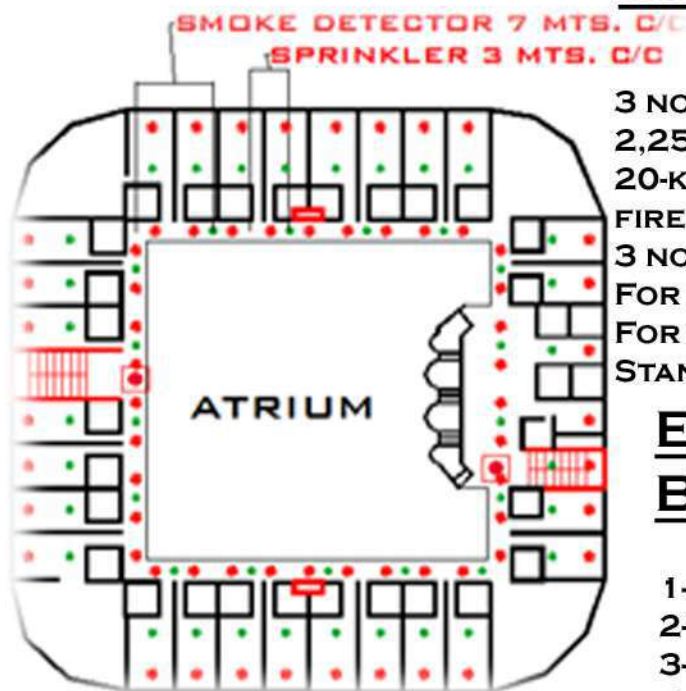
2 NO. OF FIRE WATER TANK: 100 KL. EACH

-THE HOTEL HAS ITS OWN SYSTEM OF FILTRATION, CHLORINATION AND CHANGING OF WATER.

-BOILER: 3 NOS. 600 KL/HR WATER INTO STEAM WHICH IS SUPPLIED TO LAUNDRY AND KITCHEN.



WATER AND FIRE FIGHTING:



3 NOS. FIRE TANKS OF CAPACITY 2,45,000 LT

2,25,000 LT OF SWIMMING POOL

20-KL/HR CAPACITIES BORE WELL PUMP REPLENISHING FIRE TANKS.

3 NO. MULTI STAGE FIRE PUMP AND 6 JOCKEY PUMPS:
FOR HYDRANT SYSTEM – 1.No.

FOR SPRINKLER SYSTEM – 1.No.

STAND BY 1 AND 2 - 1.No.

ELECTRICITY & POWER BACKUP:

1-SANCTIONED LOAD : 1500 KW

2-TRANSFORMERS : 1 NOS. OF 1500 KVA

3-1 LT PANEL WITH 11 KV STABILIZER

4-GENERATORS: 5 NOS.

A) 3 DGS OF 1000 KVA EACH

B) 1 DG OF 1250 KVA

C) 1 DG OF 200 KVA

AIR CONDITIONING:

A.C. PLANT ROOM IS ON THE SECOND BASEMENT
HEIGHT-6 METERS.

**THUMB RULE-1 TONNAGE USED FOR 27 METERS CUBE OF
VOLTAGE CHILLED WATER SYSTEM.**

CHILLED WATER USED AS REFRIGERANT

PLANT ROOM IS CENTRALLY PLACED

NO. OF A.H.U.S- 5

TOTAL LOAD- 1500 TONE

CHILLER PLANT – 3 NOS. OF 300 TON EACH

ALL 3 ARE USED IN PEAK HOURS

13 DEGREES INPUT AND 8 DEGREES OUTPUT

AVERAGE TEMPERATURE – 8 °C

COLOR CODE

CHILLED WATER LINE - BLUE

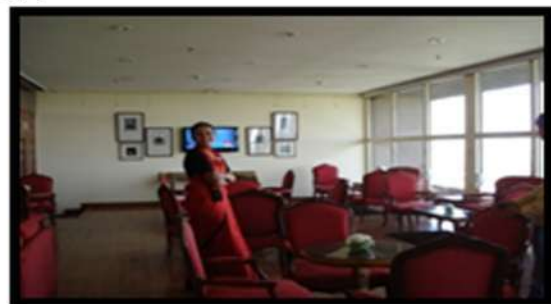
CONDENSER LINE - GREEN

3/4 INCH THE PIPES PROVIDED IN ALL ROOMS.

IN WINTERS, STEAM FROM THE BOILER IS USED
TO HEAT WATER FOR AIR-CONDITIONING.

TOTAL AREA COVERED BY THE AC- 37790 SQ. M.

TOTAL CAPACITY WHEN FULLY USED – 1100 TONS



CASE STUDY-2

RADISSON BLU, NOIDA

APPROACH:

30 KM AWAY FROM THE AIRPORT. 18 KM AWAY FROM THE CENTRE OF DELHI. HOTEL IS SITUATED IN THE COMMERCIAL HUB. ADJOINING THE HOTEL IS THE CENTRE STAGE MALL. THIS HOTEL WAS CONST. IN THE YEAR 2003.

AREA CHART:

SITE AREA : 9000 SQ.MT. APPROX
GROUND COVERAGE : 2640 SQ.MT.
OPEN AREA : 5100 SQ.MT.
F.A.R : 2.1

LOWER BASEMENT:

TOTAL COVERED AREA: 2522
CIRCULATION: 378 SQM
MECHANICAL SERVICES: 705
ADMINISTRATION: 132 SQM
KITCHEN AND STORES: 294 SQM
STAFF CANTEEN : 100 SQM
LOCKERS: 177 SQM
LAUNDRY: 190 SQM
HOUSEKEEPING: 54 SQM
AHU's : 93 SQM (5 Nos)

UPPER BASEMENT:

TOTAL AREA: 2618 SQM
CIRCULATION: 334 SQM
GYM & HEALTH CLUB: 294
AEROBICS: 171 SQM
CAR PARKING : 719 SQM
AHU's: 164 SQM (9 NOS)

FIRST FLOOR:

TOTAL COVERED AREA : 2170 SQM
CIRCULATION : 617 SQM
BANQUET LOBBY: 736 SQM
SHOPPING: 75.68 SQM
BANQUET HALL : 590 SQM
BANQUET HALL : 98.1 SQM
INDIAN RESTAURANT: 187 SQM
INDIAN KITCHEN: 60.23 SQM
ITALIAN RESTAURANT: 142 SQM
BAR: 65 SQM (32 CAPACITY)
TOILETS: 70 SQM

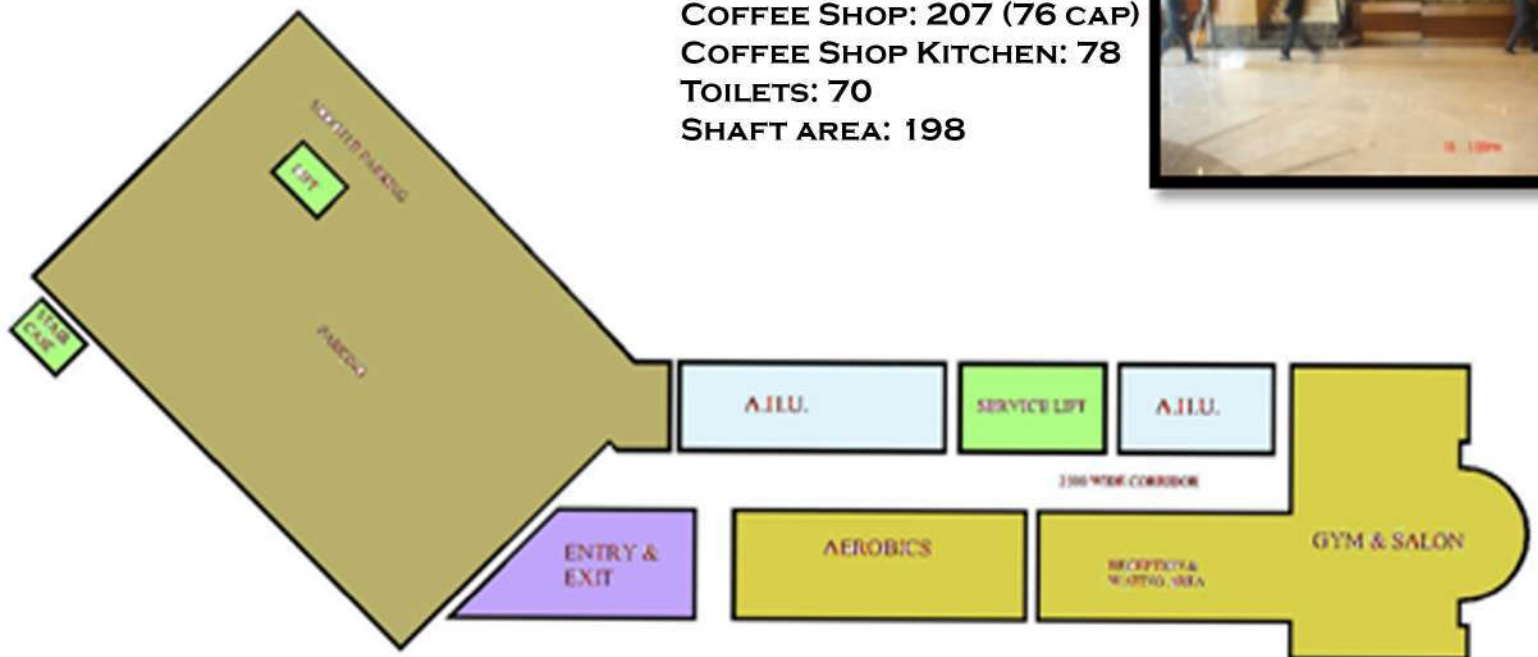


SECOND FLOOR:

TOTAL AREA COVERED: 1397
CIRCULATION: 291.34 SQM
BANQUET LOBBY: 76.3 SQM
NO. OF ROOMS: 20
ROOM AREA: 27 SQM
TOILET: 5.7 SQM
SUITE AREA: 50 SQM
TOILET: 5.46 SQM
STUDIO AREA: 23 SQM

GROUND FLOOR:

TOTAL COVERED AREA: 2500
CIRCULATION: 602
FRONT OFFICE & RECEPTION: 46
LOUNGE: 105.7
LOUNGE: 105.7
BANQUET LOBBY: 76.3
SHOPPING: 131
BANQUET HALL: 590
BANQUET KITCHEN: 141
COFFEE SHOP: 207 (76 CAP)
COFFEE SHOP KITCHEN: 78
TOILETS: 70
SHAFT AREA: 198



THE BAR IS DESIGNED SUCH THAT IT HAS A FORMAL SEATING COMBINED WITH INFORMAL SEATING AREA IN THE CORRIDOR WHICH OVERLOOKS THE LOUNGE BELOW CREATING A CASUAL ATMOSPHERE. THE SERVICES ARE DONE FROM THE INDIAN KITCHEN.

BANQUET HALLS ARE SPREAD OVER TWO FLOORS AND COVER ABOUT 1200 SQM. THESE HALLS CAN BE FURTHER DIVIDED INTO TWO OR THREE SMALL HALLS. THE FLOOR IS DEDICATED TO THE GUEST FACILITIES AND ALSO CATERS THE PEOPLE ONLY USING THE SHOPPING FACILITY ETC.

THE SERVICE CORRIDOR IS PROVIDED AT THE REAR SIDE OF THE HOTEL WHICH ACTS TO THE SERVICE OF THE HOTEL. THUS THERE IS NO CLASH IN THE GUEST AND THE STAFF MOVEMENT. THE CORRIDOR IS ACCESSIBLE FROM OUTSIDE AND LINKED WITH LOADING – UNLOADING PLATFORM.

FLOORING:- CARPET OVER MARBLE.

CEILING:- DECORATIVE POP WITH RECESSED DOWN LIGHTS AND CHANDELIERS.

WALL:- DECORATIVE WOODEN PANELLING WITH NICHE LIGHTING & GALI WORK WITH PROPER ACOUSTICS TREATMENT.



THE BANQUET HALL CAN CATER AROUND 500 PEOPLE. THE FLOOR IS CARPATED AND THE WALLS ARE TREATED WITH CLOTH TO MAKE SOUND PROOF. THE HALL CAN BE FURTHER DIVIDED INTO TWO OR THREE HALLS AS REQUIRED.



TOTAL COVERED AREA: 2500
CIRCULATION: 602
FRONT OFFICE & RECEPTION: 46
LOUNGE: 105.7
BANQUET LOBBY: 76.3
SHOPPING: 131
BANQUET HALL: 590
BANQUET KITCHEN: 141
COFFEE SHOP: 175 (86 CAP)
COFFEE SHOP KITCHEN: 78
TOILETS: 70
SHAFT AREA: 198

SPACE-1:- BANQUET

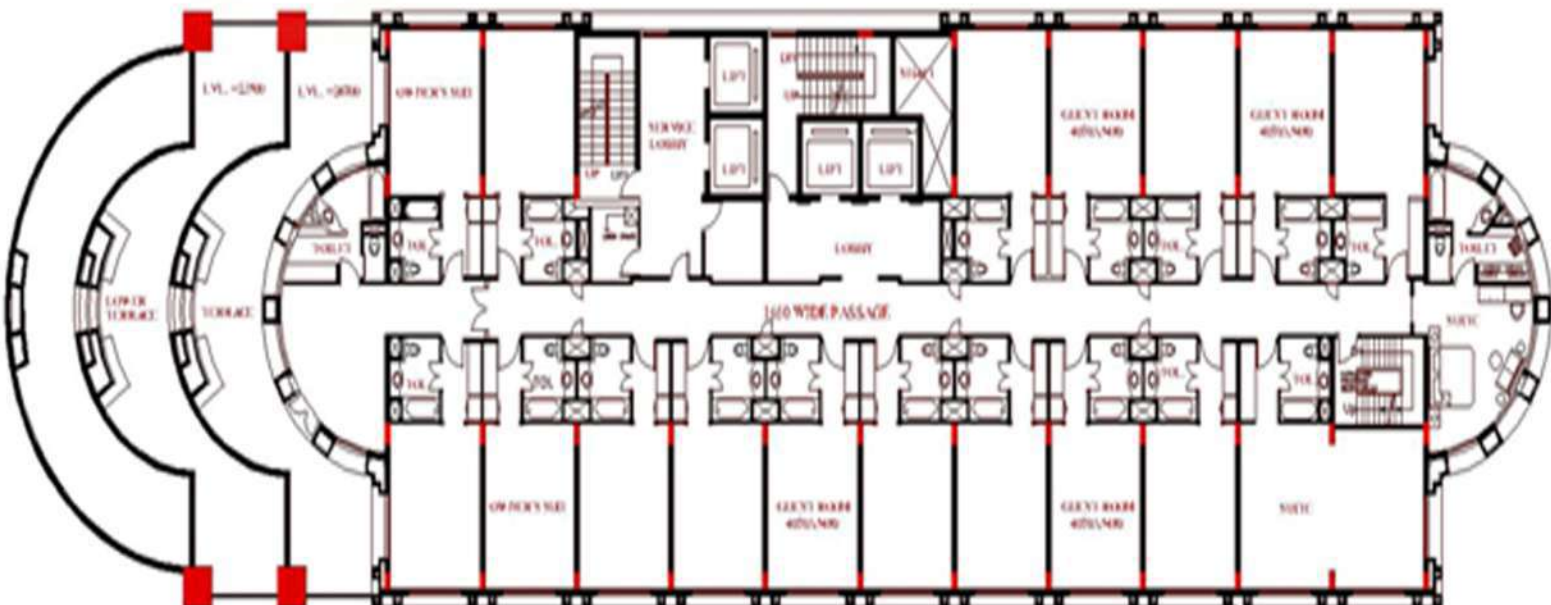
PROGRAM: WEDDINGS, PARTIES, REUNION & CORPORATE EVENTS.
REQUIRED :- KITCHEN, FOOD BEVERAGE STORAGE, REST ROOMS
& MAIN LOBBY.

BACK OF THE HOUSE AREAS:

IT INCLUDES KITCHEN & ALL THE SERVICE AREAS. KITCHEN IS LOCATED IN GROUND FLOOR AND OTHER SERVICES ARE PROVIDED IN THE BASEMENT. SEPARATE SERVICE ENTRY IS PROVIDED.

CHILLERS IN LOWER BASEMENT:

IN ALL THERE ARE THREE CHILLERS BY CARRIER ALL OF 285 TONS EACH. FCU ARE USED IN ROOMS & SMALLER SPACES & AHU ARE USED LOBBY AREA, RESTAURANTS, BANQUETS AND LARGER SPACES.

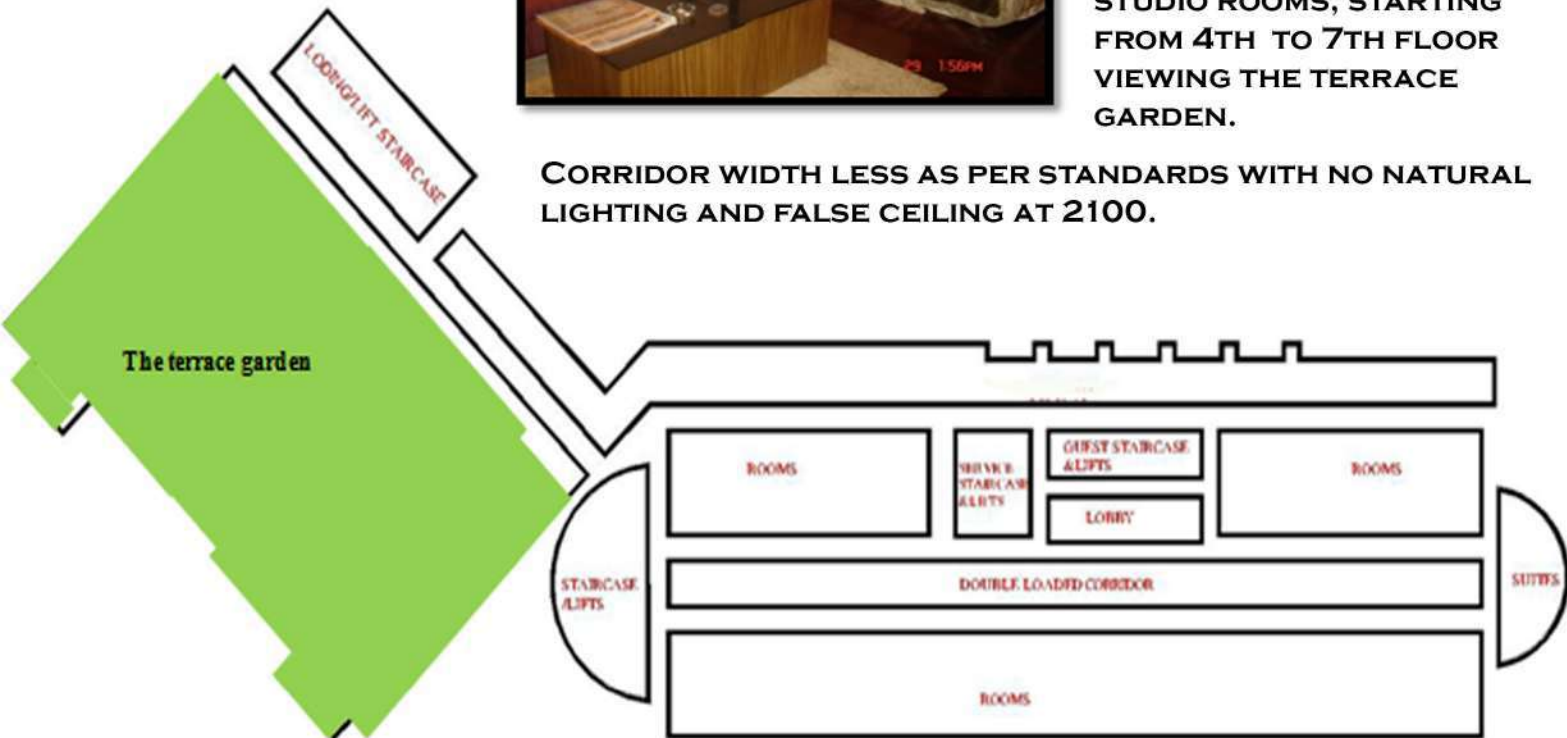


THIS IS THE FIRST GUEST FLOOR AFTER THE PUBLIC FACILITIES. THE FLOOR IS JUST ABOVE THE SERVICES FLOOR. THE TOTAL NO. OF ROOMS ON THIS FLOOR IS 20 AND IT HAS 1 SUITE AND A STUDIO. THE FLOOR IS ACCESSIBLE FROM THE MAIN LIFTS AS WELL AS THE LIFT IN BANQUET LOBBY.



TERRACES ACCESSIBLE FROM STUDIO ROOMS, STARTING FROM 4TH TO 7TH FLOOR VIEWING THE TERRACE GARDEN.

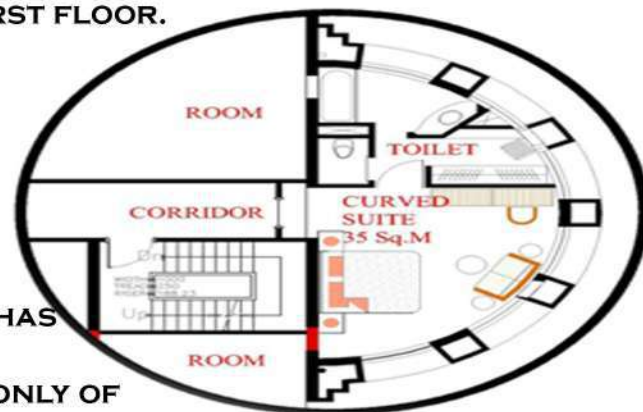
CORRIDOR WIDTH LESS AS PER STANDARDS WITH NO NATURAL LIGHTING AND FALSE CEILING AT 2100.



FIRE ESCAPE LOCATED AT ONE END OF CLOSED CORRIDOR IS DRAWBACK FOR SAFETY NORMS. KITCHEN ATTACHED WITH BAR AND RESTAURANT AT FIRST FLOOR.

WATER TANKS BENEATH THE SERVICE AREA

THERE ARE 2 UNDERGROUND TANKS FOR USAGE IN KITCHEN & ROOMS OF 9,00,000 LITERS EACH, THE WATER IS TAKEN UP ITS OWN BORE WELL, THERE'S A RAW SYSTEM TO PURIFY THE WATER WHICH HAS A CAPACITY OF 6,000 KL./ HOUR, THERE ARE 2 OVERHEAD TANKS FOR EMERGENCY USE ONLY OF 2,00,000 LITERS EACH WHICH ARE ALWAYS FULL. HYDROMATIC SYSTEM IS USED TO MAINTAIN THE WATER PRESSURE ON THE FLOORS.



MACHENICAL AREAS:

ALL THE MECHANICAL AREAS LIKE A.C. PLANT, D.G. ROOM, PUMP ROOM, BOILER ROOM, L.T. ROOM ARE PROVIDED IN THE SAME BASEMENT WITH VENTILATION ROOM & DUCT PIPE GALLERY.

SEPARATE WATER TANKS FOR FIRE FIGHTING, RAW WATER AND TREATED WATER ARE ALSO PROVIDED AT ONE CORNER OF THE BASEMENT.

THE AREA OF THE MECHANICAL SERVICES IS LITTLE SUNKEN AS COMPARE TO THE OTHER AREAS OF THE BASEMENT TO ACHIEVE THE DESIRABLE HEIGHT.

LITERATURE STUDY-1

THE ASHOK, NEW DELHI

LOCATION:

ITS LOCATION IN ONE OF THE SWISH AREAS IN DELHI AND ITS NEARNESS TO THE AIRPORT HAS BEEN AN ADDED ADVANTAGE FOR ITS GROWTH.

- IT IS CONSTRUCTED ON A 18 ACRE PLOT IN THE PRIME LOCATION IN THE HEART OF THE CITY
- THE INDIAN CAPITAL, JUST AT 15 KM FROM THE INTERNATIONAL AIRPORT, AND 6 KM FROM CONNAUGHT PLACE, DELHI'S SHOPPING HUB.

THE HOTEL IS:

- 2 KM FROM RASHTRAPATI BHAVAN (PRESIDENTIAL PALACE)
- 15 KM FROM INDIRA GANDHI INTERNATIONAL AIRPORT
- 10 KM FROM DOMESTIC AIRPORT
- 9 KM FROM NEW DELHI RAILWAY STATION
- 6 KM FROM CONNAUGHT PLACE (COMMERCIAL SHOPPING DISTRICT)
- 6 KM FROM PRAGATI MAIDAN (VENUE OF TRADE EXHIBITIONS AND FAIRS)



DESIGN CONCEPT:

THE BASIC CONCEPT IS TO DESIGN A HOTEL THAT SYMBOLIZES THE TRADITIONAL GRANDEUR OF THE HISTORIC CAPITAL OF INDIA MORE THAN THE ASHOK, & PROVIDING A LOOK OF ERSTWHILE PALACES OF THE MIGHTY MAHARAJAS WHO ONCE REIGNED THE HEART OF DELHI.

THE WHOLE DESIGN IS IN TWO PHASES— IN THE FIRST PHASE THE MAIN BUILDING WAS DESIGNED

IN THE SECOND PHASE ANNEXE BLOCK WAS DESIGNED TO FULFILL MORE ACCOMMODATION REQUIREMENT OF HOTEL



SALIENT FEATURES:

THIS HOTEL HAS A BEAUTIFUL MODERN ARCHITECTURE WITH RED WALLS AND TURRETED ARCHES.

THE ASHOK IS A DISTINCTIVE LANDMARK, ITS ROSE-PINK WALLS AND ARCHED ARC TURRETED CONTOURS

SET IT APART FROM THE GLASS AND CONCRETE CONFORMITY OF OTHER HOTELS.

THE ELABORATE RED SANDSTONE FINISH

DESIGNED SUITES PORTRAYING ANCIENT INDIAN PALACES

ENTRANCE:

IT HAS TWO GUEST ENTRIES ONE IS FROM NITI MARG AND ANOTHER IS FROM PANCHSHEEL MARG
2 SERVICE ENTRY ONE FROM NITI MARG AND ONE FROM PANCHSHEEL MARG

APPROACH TO LOBBY:

APPROACH IS FROM A RAMP TO 3M LVL TO THE ENTRANCE PORTICO AND THEN TO LOBBY THROUGH TWO FLIGHTS OF STEPS
THE RAMP IS TREATED WITH PROPER LANDSCAPE



FACILITIES:

571 ELEGANTLY FURNISHED CENTRALLY AIR-CONDITIONED ROOMS SINGLE A/C ROOMS 158, DOUBLE

A/C ROOMS 293, SUITES A/C 112
MODERN BUSINESS CENTRE, SPECIALTY RESTAURANTS, HEALTH CLUB, SWIMMING POOLS, PAVILION

CAFÉ, MULTI-CUISINE RESTAURANT, SHOPPING ARCADE,
1 CONVENTION HALL, 1 BANQUET HALL, 5 PARTY ROOMS, LAUNDRY AND DRY CLEANING

GUEST ROOMS:

563 CENTRALLY AIR CONDITIONED ROOMS INCLUDING:

160 ANGLE, 294 DOUBLE / TWINS,
60 LUXURY SUITES, 40 DOUBLE SUITES,
8 DELUXE SUITES, PRESIDENTIAL SUIT.

SINGLE A/C: ALL THESE ROOMS HAVE ATTACHED MODERN BATHROOM AND PRIVATE BALCONIES. THEY

ARE TASTEFULLY FURNISHED WITH ALL MODERN AMENITIES.

DOUBLE A/C ROOMS: THESE ROOMS ARE LIKE STANDARD ROOMS, BUT MUCH LARGER AND SPACIOUS.

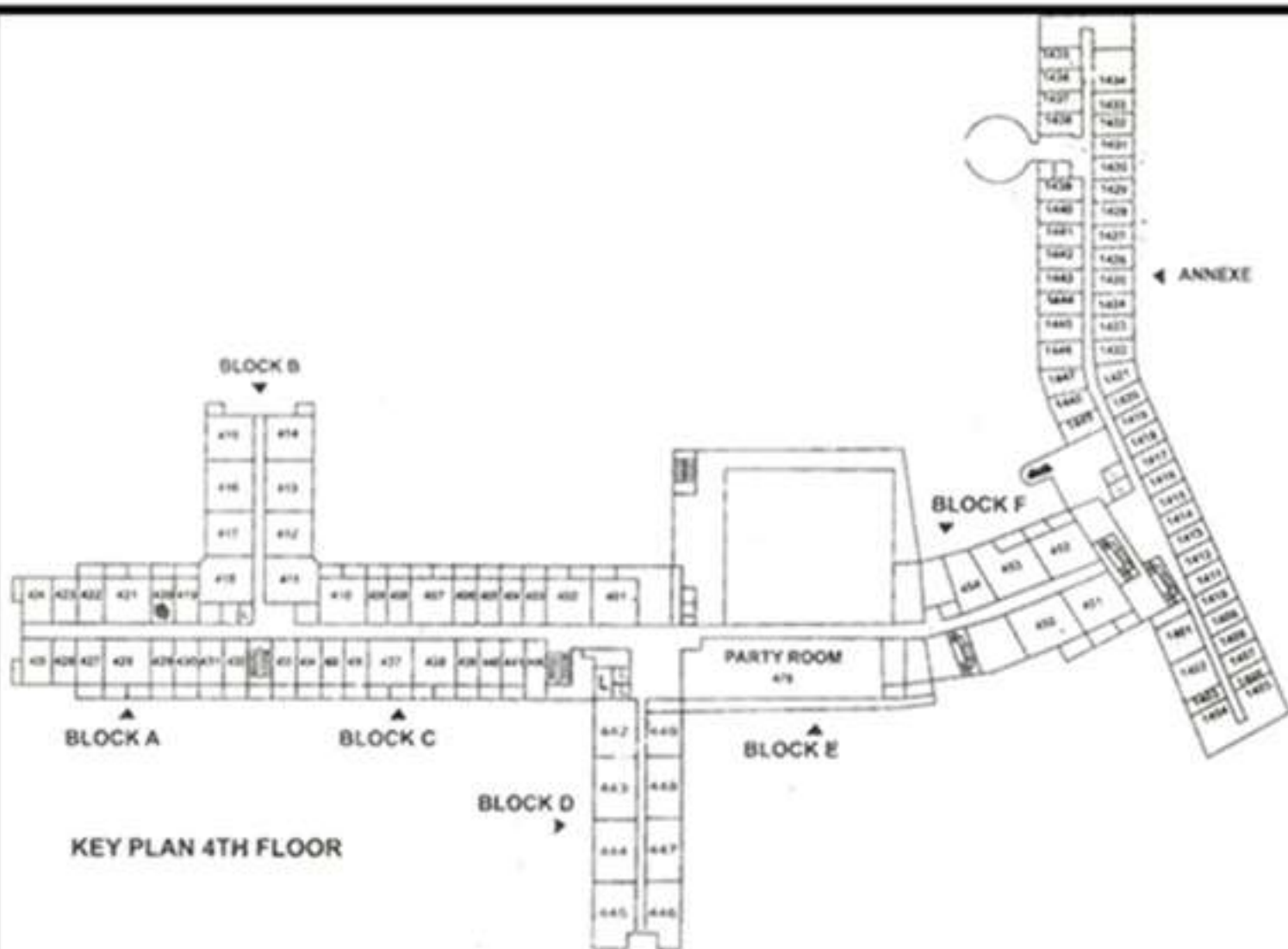
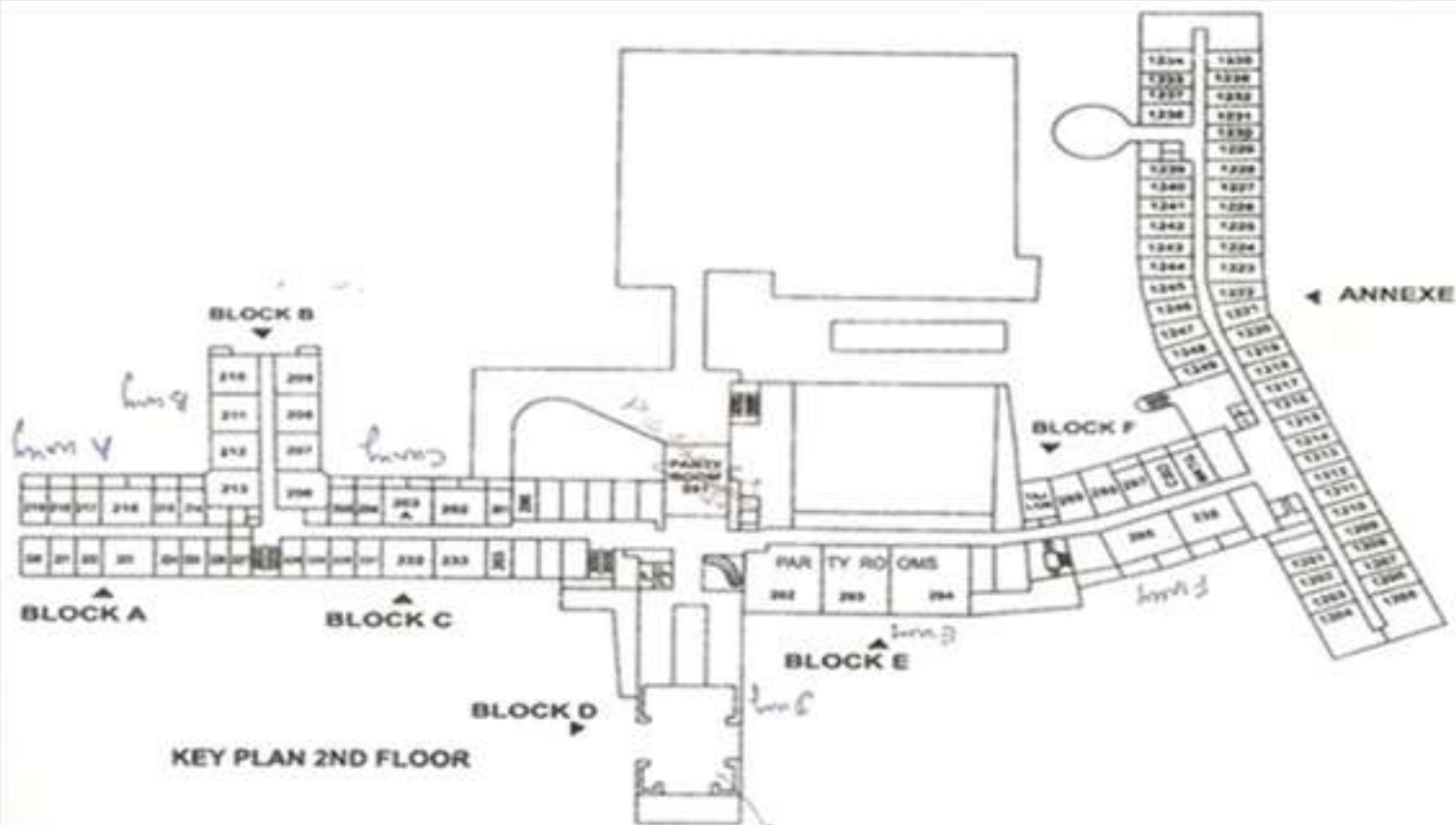
THEY ARE BEST SUITED FOR BUSINESSPERSONS OR EXECUTIVES OR FAMILIES.

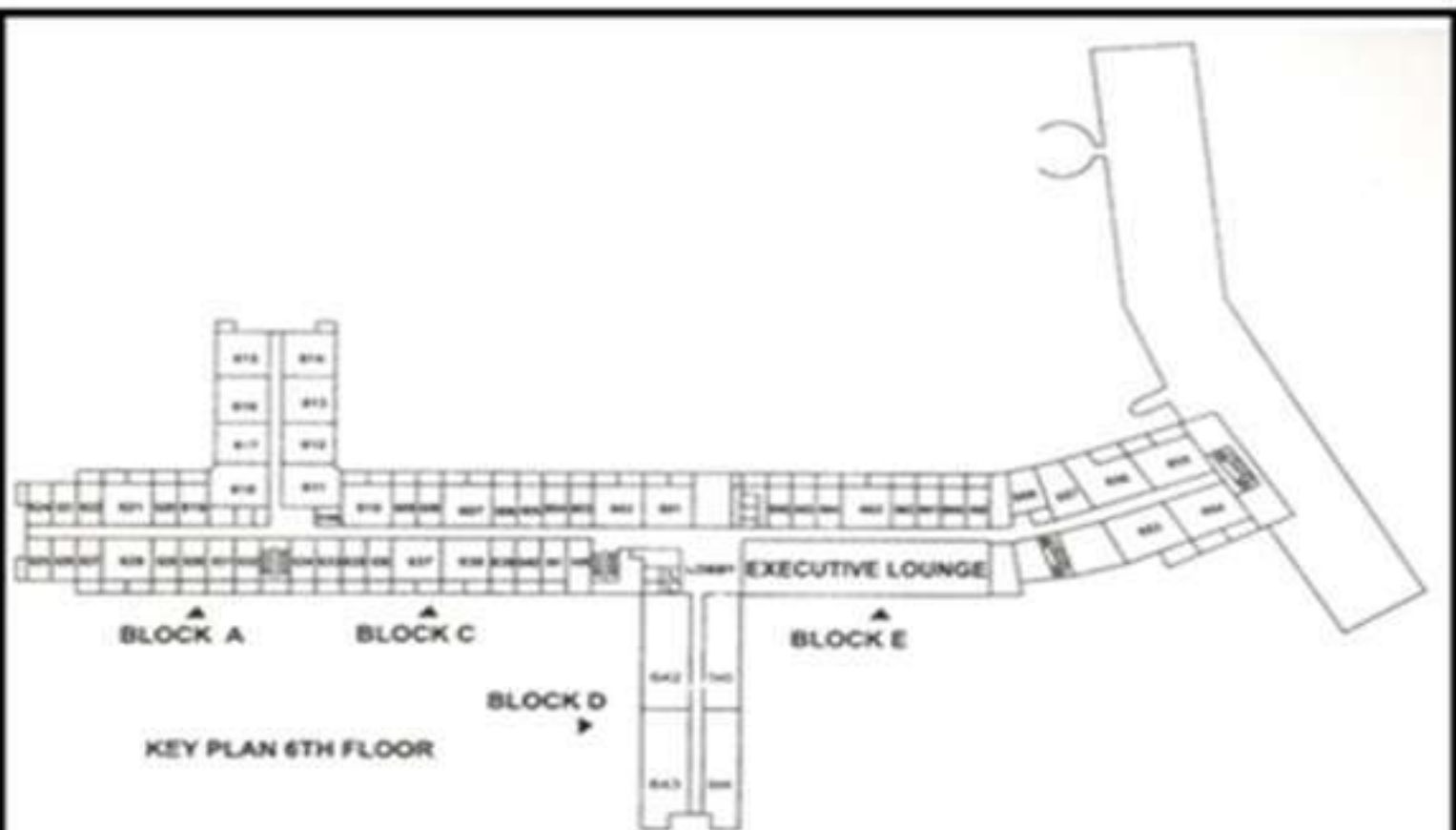
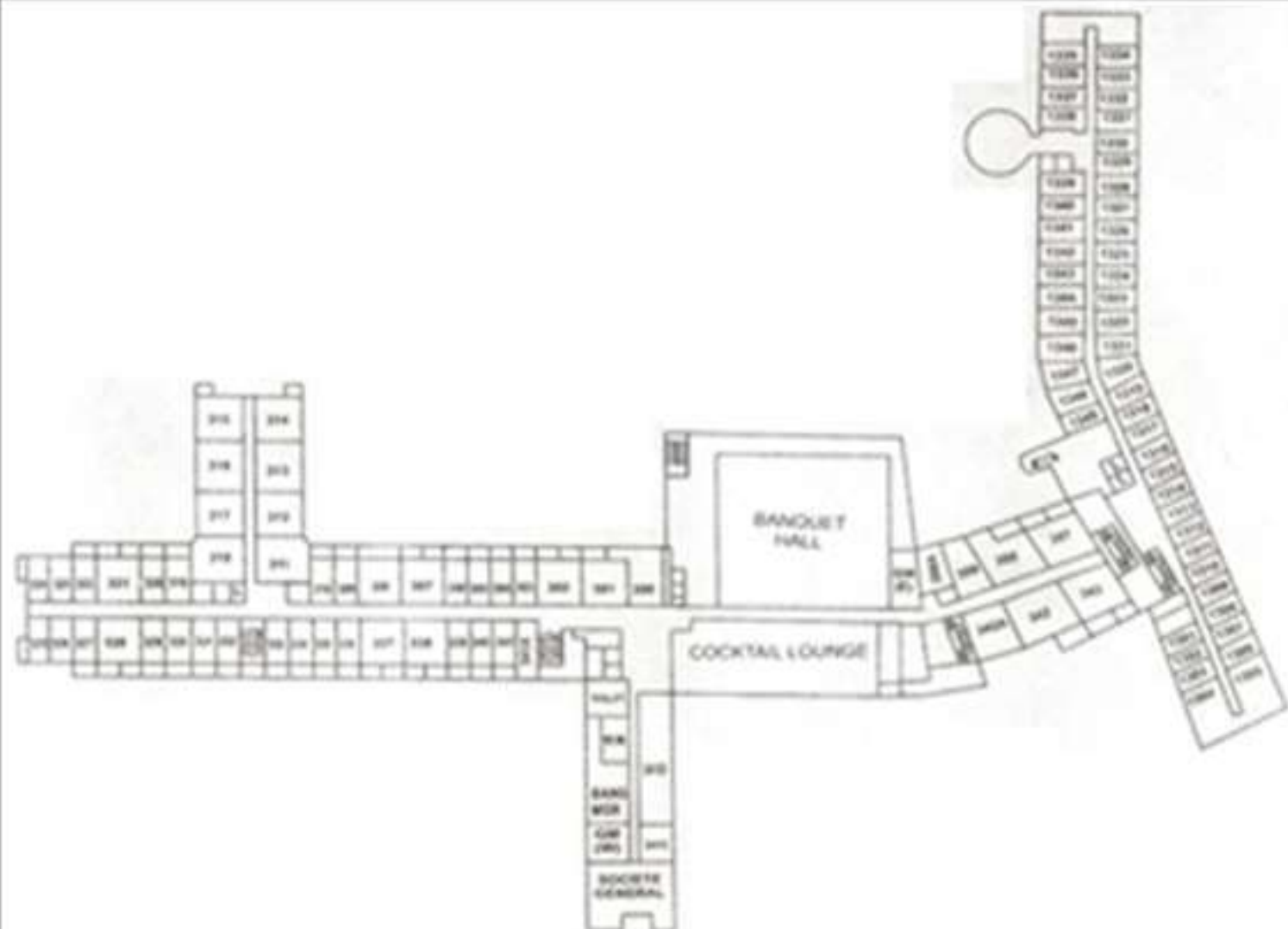
THEY COMPRISE OF A BEDROOM AND A SITTING ROOM AND ADJOINING BALCONIES, ALONG WITH ALL

THE FACILITIES AND COMFORTS.

LUXURY SUITES: LAVISH ELITE SUITES COMPRISING OF A BEDROOM PLUS A LIVING ROOM AND STUDY AND

A BEAUTIFUL TERRACE.





THE WESTIN GURGAON IS A 310 KEY, FIVE STAR LUXURY BUSINESS HOTEL COMPLETED IN 2010. THE STAND-ALONE SITE IS LOCATED IN THE IT HUB OF GURGAON, IN CLOSE PROXIMITY TO THE DELHI – JAIPUR HIGHWAY IMMEDIATELY TO THE NORTH. THE COMPLEX RESPONDS TO ITS ELONGATE SITE AND TO THE SEA OF MOVEMENT WHICH SURROUNDS IT BY OFFERING AN OASIS OF CALM ACHIEVED THROUGH A COMPOSITION OF FORMAL, SPATIAL AND MATERIAL COMPOS

**PREDOMINANT USE - COMMERCIAL
RESIDENTIAL
PERIOD OF CONSTRUCTION -
2007-10
ARCHITECTS - STUDIO U+A, NEW
YORK/GURGAON**

CIRCULATION

VEHICULAR MOVEMENT

MOVEMENT OF GUESTS FOR PLANNING

STAFF MOVEMENT

HOTEL GUEST MOVEMENT

ACCESS TO BOAT SPACES

- 1. Lobby/Junction
- 2. Bay Bridge
- 3. Bay Bridge/Access
- 4. Bay Bridge/Access
- 5. Bay Bridge/Access
- 6. Bay Bridge/Access
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- 99. Bay Bridge/Access
- 100. Bay Bridge/Access

FAR ALLOWED - 1.5
SITE AREA - 4.39 ACRES
ALLOWED BUILT-UP AREA - 26,648 SQ. METERS
HEIGHT RESTRICTION - 60 METERS
OVERALL BUILDING HEIGHT - 37.5 METERS
ALLOWED GROUND COVERAGE - 40 %
GROUND COVERAGE - 46 %

THE CIRCULATION NETWORK REVOLVES AROUND THE MAIN LOBBY OF THE HOTEL, AS CAN BE SEEN FROM THE GIVEN PLAN OF THE GROUND FLOOR. THE LOBBY SPACE CONNECTS SEVERAL SPACES, SUCH AS, THE FRONT OFFICE, BANQUET ENTRANCE, COFFEE SHOP AND BRASSERIE.

THE CORRIDORS ARE CONSTRICTED ACCORDING TO STANDARDS BUT, THE QUALITY OF THE SPACE IS IMPROVED BY CLADDING THE WALLS WITH WOODEN PANELS. ART INSTALLATIONS ARE PLACED EVERYWHERE A CORRIDOR TERMINATES.



SPATIAL ARRANGEMENT IN VERTICAL PLANE

THE NORTH ELEVATION, THE PUBLIC FACE OF THE HOTEL, IS AN ARRANGEMENT OF DISTINCT ARCHITECTURAL ELEMENTS, WHICH HAVE BEEN LAYERED BOTH HORIZONTALLY AND VERTICALLY. AN ELEVATED TWO STORY OPEN FACED GRANITE LOGGIA AFFORDS VIEWS FROM THE STREET AND FROM WITHIN, AND CONTAINS A SET OF OBJECT BUILDINGS, HOUSING THE RHOMBOID ALL DAY RESTAURANT IN TRAVERTINE, A CYLINDRICAL FRONT OFFICE IN HAMMERED BRONZE, AND RECTILINEAR FUNCTION ROOM IN GREEN MARBLE.

SERVICES:

1. AIR CONDITIONING - CENTRAL A.C PLANT LOCATED IN BASEMENT WITH AHUS FOR GUEST ROOMS ON THE RESPECTIVE FLOORS AND IN PLENUM FOR BANQUET HALLS
2. ELECTRICAL LAYOUT - TRANSFORMER IS LOCATED BESIDE PREGO. MAIN PANELS ARE LOCATED IN THE BASEMENT WITH SHAFTS RUNNING TO SERVE ALL THE FLOORS.
3. FIRE PROTECTION - THERE IS A FIRE ESCAPE STAIRCASE ON THE WESTERN CORNER OF THE HOTEL WITH EVERY FLOOR PROVIDED WITH FOUR FIRE HYDRANT CLOSETS.

LOCAL BYE-LAWS:

FAR ALLOWED - 1.5
SITE AREA - 4.39 ACRES
ALLOWED BUILT-UP AREA - 26,648 SQ. METERS
HEIGHT RESTRICTION - 60 METERS
OVERALL BUILDING HEIGHT - 37.5 METERS
ALLOWED GROUND COVERAGE - 40 %
GROUND COVERAGE - 46 %



SECTION AT CC

SITE STUDY

LOCATION:

PRAGATI MAIDAN NEW DELHI

TYPE:

COMMERCIAL

DEVELOPER:

DELHI DEVELOPMENT
AUTHORITY

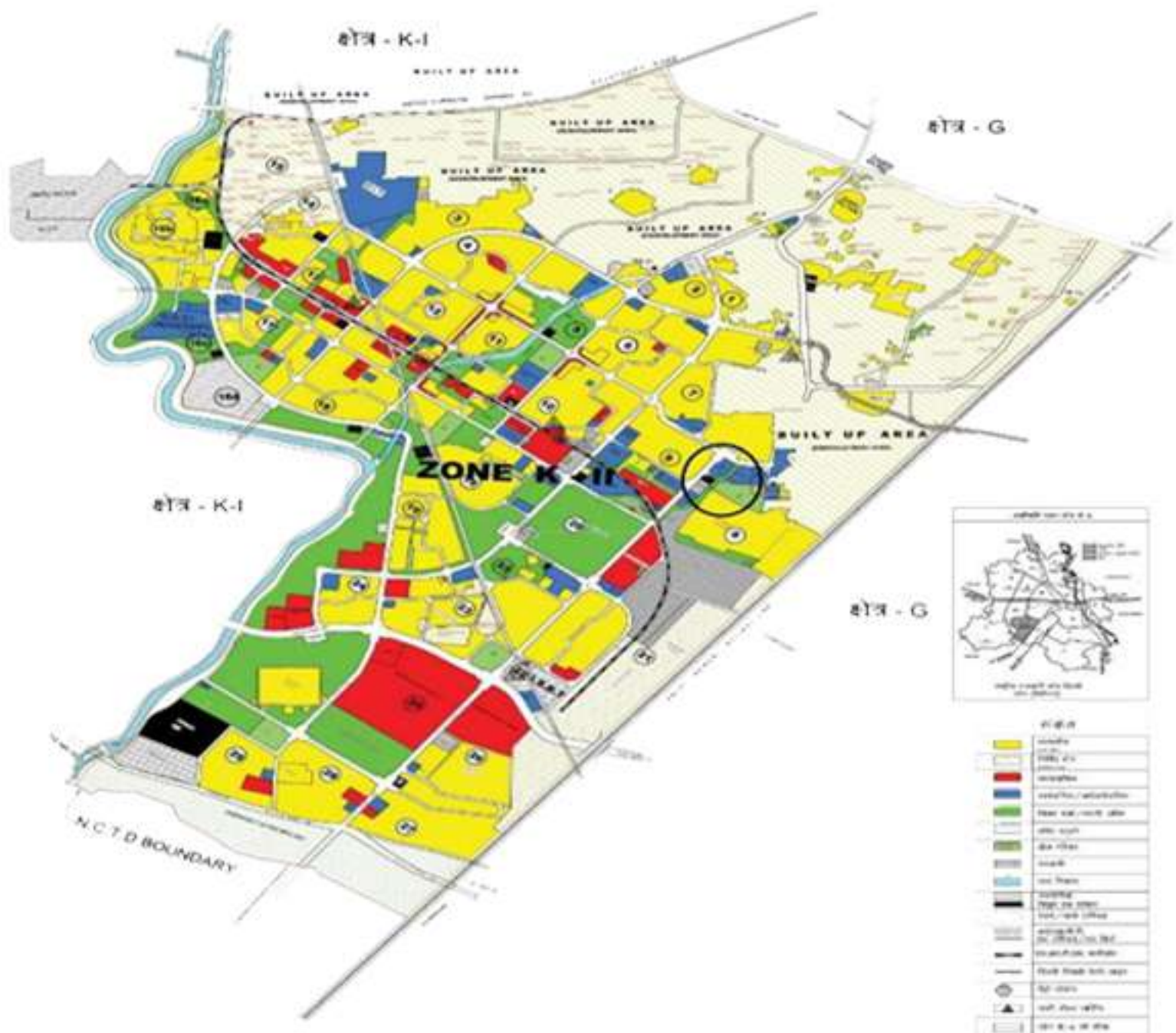


PRAGATI MAIDAN IS A VENUE FOR LARGE EXHIBITIONS AND CONVENTIONS IN NEW DELHI. IT HAS AN AREA OF NEARLY 150 ACRES (MORE THAN 625,000 SQUARE METRES OF EXHIBITION SPACE, WAS THE BIGGEST EXHIBITION CENTER IN DELHI.



CLIMATE ANALYSIS:

CLIMATE- DELHI IS A SUB TROPICAL HOT AND HUMID CLIMATE FOR MOST OF THE SEASON, THE CITY CLIMATE BECOME VERY HOT DURING THE MONTH OF JUNE.



RESIDENTIAL



PUBLIC-SEMIPUBLIC



COMMERCIAL



RECREATIONAL

ANNUAL RAINFALL:

AVERAGE RAINFALL OF DELHI VARIES FROM 22.7 MM TO 715 MM IN JULY AND AUGUST RECEIVES. ANNUAL RAINFALL IS 715 MM (30 INCHES).

SUN ORIENTATION:

SINCE THE DESIGN WILL BE AS PER THE SUB TROPICAL HOT AND HUMID CLIMATE SO-

- TROPICAL LOCATION WITH MAXIMUM AIR VELOCITY AND SHADE.
- ORIENTATION TO MINIMIZE SUN RADIATION IMPACT.
- ORIENTATION TO MAXIMUM NATURAL VENTILATION BY WINDS.
- SCATTERED PATTERN OF BUILDINGS.

WIND DIRECTIONS:

NORTH EAST TO SOUTH WEST
STORMS FROM NORTH EAST.
MONSOON WINDS FROM EAST.

SITE LANDMARK:

- *SHER MANDAL.
- *QILA-I-KUHNA MOSQUE.
- *PURANA QILA MUSEUM.

TEMPERATURE:

SUMMER - 30°C TO 40°C (HOTTEST MONTH IS JUNE)

WINTER - 18°C TO 8°C (NOV. END TO FEB. BEGINNING) MONSOON- JULY TO AUGUST

SOIL ANALYSIS:

THE SOIL IN MOST OF THE AREAS OF NEW DELHI IS SAND SILT , ALLUVIAL.
SOIL BEARING CAPACITY -19.5TON/SQ.M

HUMIDITY:

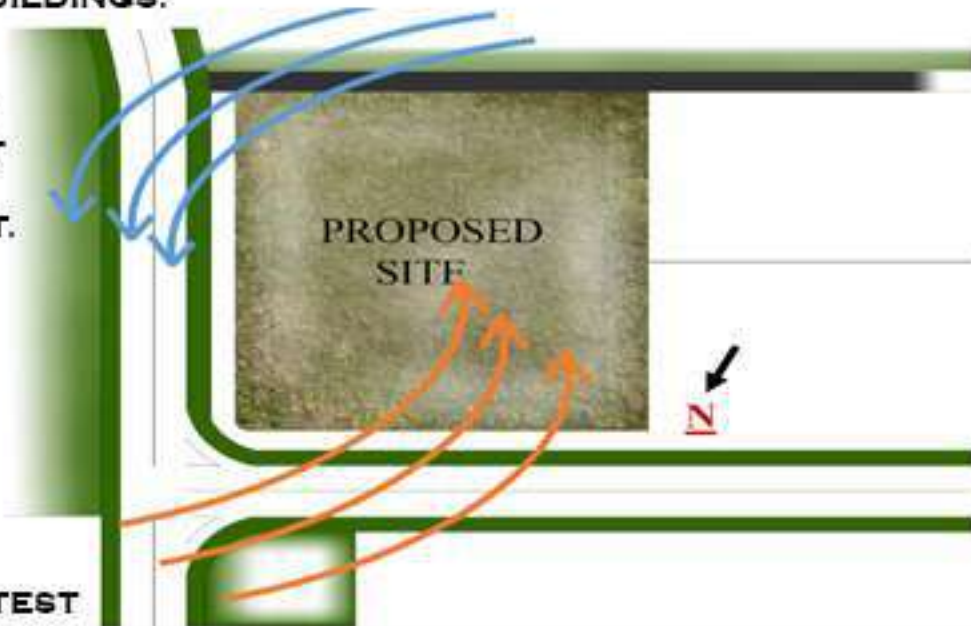
OVER 75% AFTER THE MONSOON SEASON HUMIDITY DECREASES IN AFTERNOON TO ABOUT 25% LESS.

SITE TOPOGRAPHY:

THE SITE IS ALMOST OF FLAT TERRAIN.

ELECTRICITY:

BRPL ELECTRICITY STORE NEAR THE SITE SUB STATION



STANDARDS

STANDARDS ACCORDING TO HRACC 2014:

BACK OF THE HOUSE:

SERVICE LOBBY:26SQM
WEIGHING ROOM(STORE):38SQM
RECEIVING OFFICER:12SQM
SECURITY OFFICE:12SQM
TIME KEEPERS OFFICE:14SQM

KITCHEN:

COLD STORE:12SQM
DRY STORE:12SQM
PREP.AREA:16.5 SQM
COLD MEALS:31SQM
BAKERY:26SQM
MEAT PREP:11SQM
COOKING AREA:73SQM
BANQUET KITCHEN:92SQM
WASHING AREA:16SQM
BANQUET SERVERY(2):14.5 SQM EACH
ROOM SERVICE SERVERY: 22SQM
CROCKERY STORAGE:8SQM
CHEF`S OFFICE:13SQM
SERVICE LOBBY:27SQM

HOTEL LOBBY:

HOTEL ENTRANCE:26SQM
RECEPTION DESK:22SQM
FRONT OFFICE:15SQM
HOTEL LOBBY:200SQM
LUGGAGE ROOM:11SQM
SAFETY VAULT:11SQM
SECURITY PERSONNEL`S:53SQM
TOILET-LADIES:19SQM
TOILET-GENTS:19SQM
RESTAURANT:192SQM

BALLROOM:

BALL ROOM:588SQM X 2
PRE-FUNCTION:200SQM X 2
BALL ROOMS CIRCULATION: 357SQM
REST ROOM:60SQM
TOILET LOBBY:96SQM
TOILET LADIES:37SQM
TOILET GENTS:42SQM

TERRACE RESTAURANT:

TERRACE RESTAURANT:834SQM
KITCHEN:92SQM
COLD STORE:12SQM
DRY STORE:12SQM
MEAT PREP.:20SQM
TOILET LADIES:22SQM
TOILET GENTS:24SQM
WAITING AREA:152.5SQM

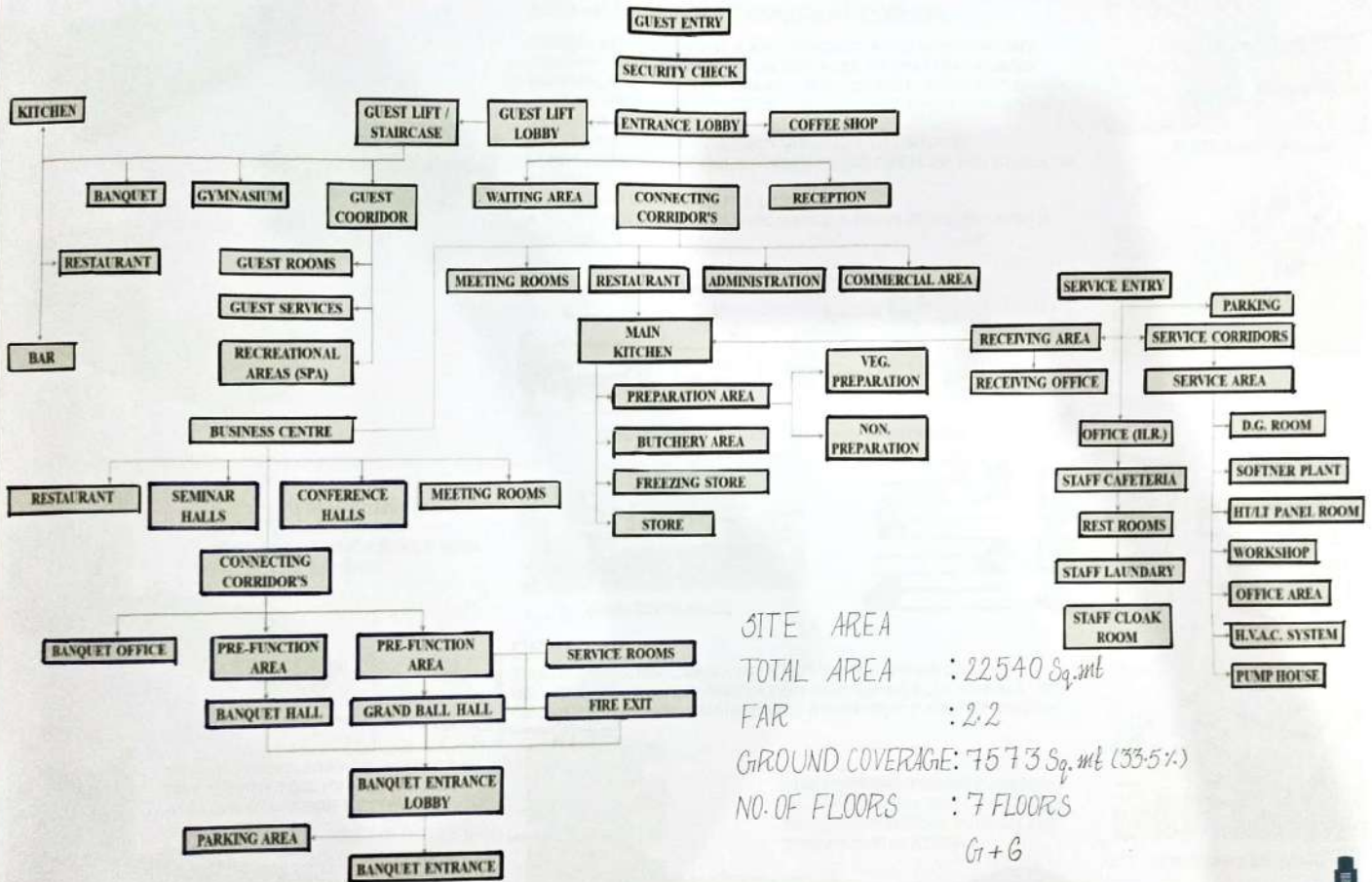
HOTEL LOBBY-2:

HOTEL ENTRANCE-2:39SQM
SAFETY VAULT:37SQM
SECURITY PERSONNAL`S:20SQM
ATRIUM:1500SQM
RESTAURANT-2:617SQM
KITCHEN:123SQM
VIP LOUNGE:150SQM
SMOKING ROOM:54SQM
TOILET MALE:42SQM
TOILET FEMALE:80SQM
WASHING AREA:18SQM
FISH PREP.:11SQM
COLD STORE:12SQM
DRY STORE:12SQM
TOILET FEMALE:25SQM
TOILET MALE:25SQM

PUBLIC AREAS:

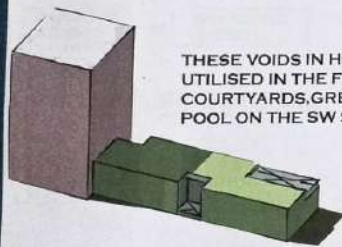
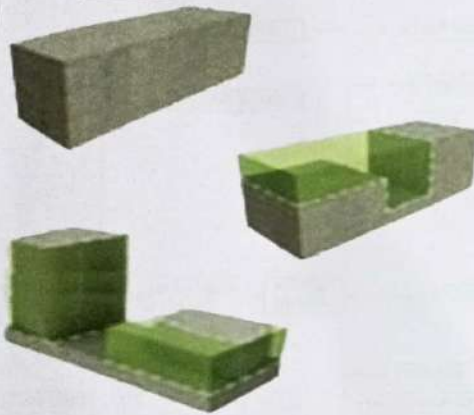
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SHOP:154SQM X 2
SHOP:142SQM
SHOP:147SQM
SHOP:248SQM
LIFT LOBBY:24SQM
SHOP:24SQM
SHOP:150SQM
SHOP:215SQM X 2
TOILET MALE: 46SQM
TOILET FEMALE: 51 SQM
JANITORS CLOSET:1.5SQM
RECEPTION+WAITING AREA:48SQM
TOILET-LADIES:22SQM
TOILET-GENTS:24SQM
WAITING AREA:53SQM
CONFERENCE HALL-1:142SQM
CONFERENCE HALL-2: 56SQM
PANTRY: 13.5SQM
STORE: 15 SQM
CORE:
SERVICE LOBBY:18.5SQM
GOODS LIFT:8.4SQM
SERVICE LIFT:5.85SQM
FIRE LOBBY:23SQM
FIRE LIFT:3.6SQM
GUEST LIFT:5.85SQM
FIRE SHAFT:5.4SQM
AHU`S:23.4SQM
ELECTRICAL ROOM:23.4SQM

ZONING FLOW CHART

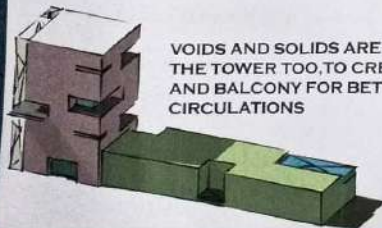


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 S.A.P BBDU
 LUCKNOW (U.P.)

FORM EVOLUTION:



THESE VOIDS IN HORIZONTAL ARE UTILISED IN THE FORM OF COURTYARDS, GREEN SPACE AND POOL ON THE SW SIDE



VOIDS AND SOLIDS ARE ADDED ON THE TOWER TOO, TO CREATE DECK AND BALCONY FOR BETTER AIR CIRCULATIONS

CONCEPT

AMALGAMATION OF SOLIDS AND VOIDS:

COMBINATION OF SOLIDS AND VOIDS PLAYS AN IMPORTANT ROLE IN FINAL COMPOSITION BECAUSE GEOMETRIC FORMS HAVE SHARP OUTLINE AND ADJUST THEMSELVES IN THE SPACE ARTICULATION AND TO COUNTER BALANCE THEM VOIDS ARE CREATED. SOLIDS AND VOIDS INTERACT VISUALLY TO CREATE STRONG/NEGATIVE RELATIONSHIP AND OPEN UP THE SPACE OF A FORM. SPACE CAN BE EITHER FULL OR EMPTY. A VOID IS AN EMPTY VOLUME, WHILE A MASS IS FILLED WITH A VOLUME.



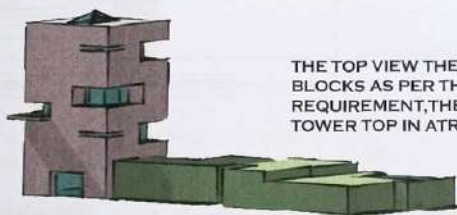
COURTYARD EFFECT DURING NIGHT & DAY



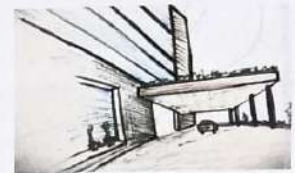
MAIN ENTRANCE

ORIENTATION:

THE OVERALL BUILDING ORIENTATION HAS AN IMPORTANT BEARING ENERGY CONSERVATION BUT GENERALLY NOT ALL SITE GEOMETRY IS SIMPLY HARMONIZED WITH SUN PATH GEOMETRY.



THE TOP VIEW THE SITE AND THE BLOCKS AS PER THE DESIGN AND REQUIREMENT, THE VOID ON THE TOWER TOP IN ATRIUM.



ENTRANCE PORCH



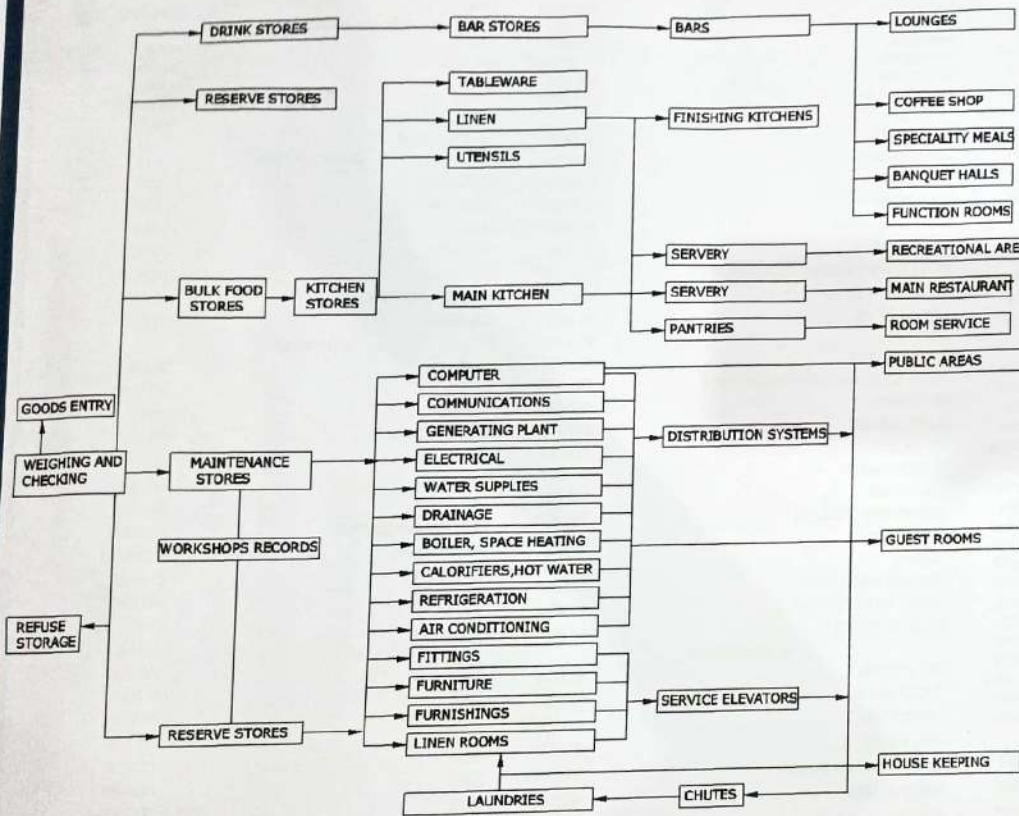
POOL SIDE SEATING

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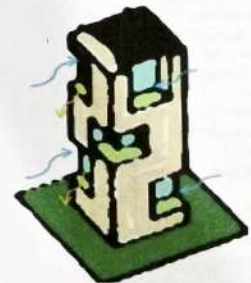
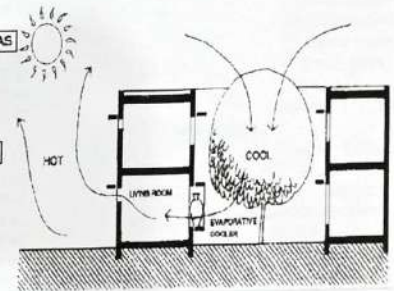
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5-STAR HOTEL, DELHI

RELATIONSHIP DIAGRAM FOR TECHNICAL AND CATERING SERVICES:



DECK FOR SUITE ROOMS

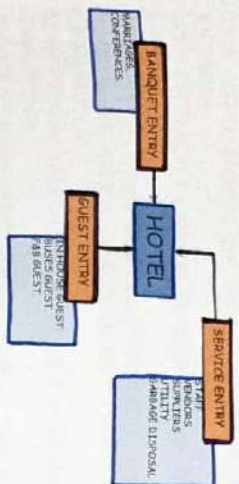


TRANSITIONAL SPACES

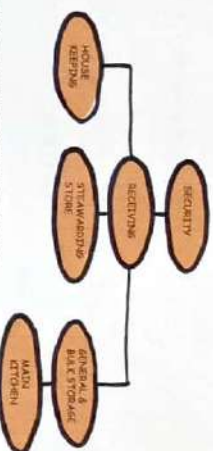
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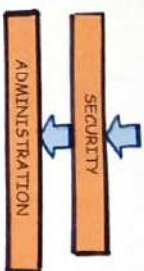
VEHICULAR CIRCULATION:



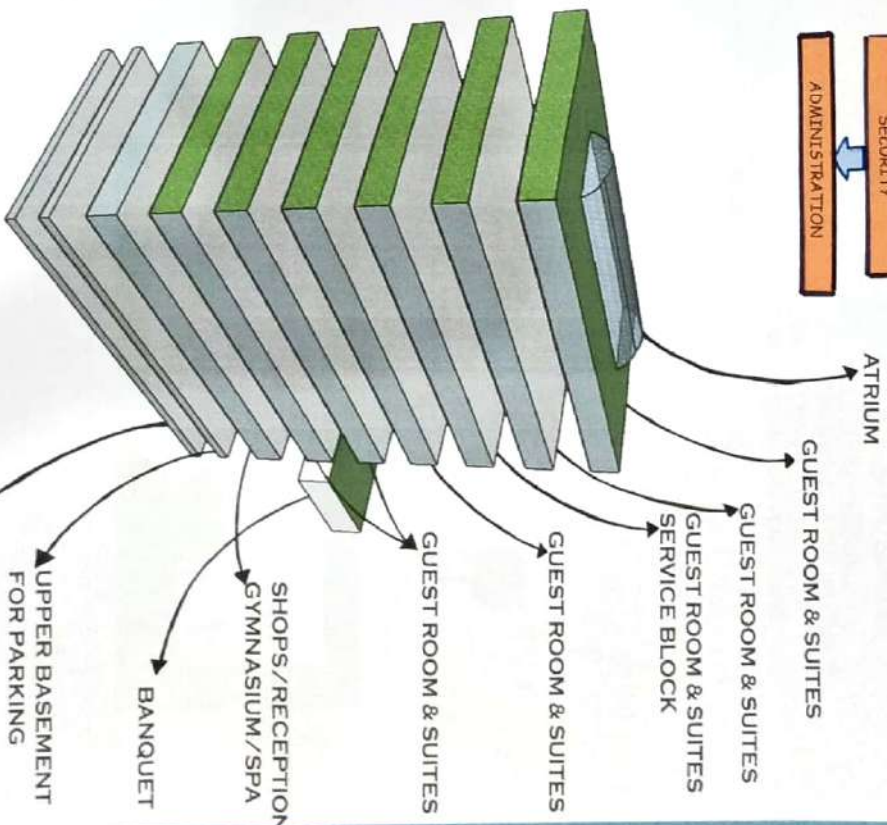
GOODS MOVEMENT:



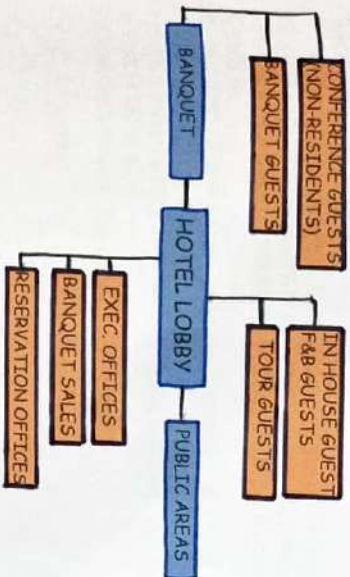
VENDOR/SUPPLIER MOVEMENT:



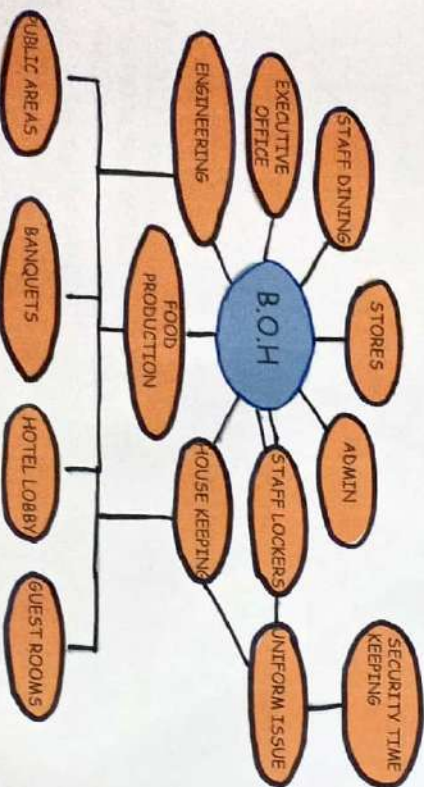
ZONING



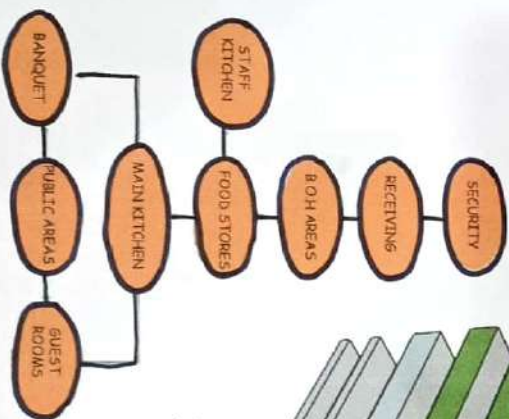
GUEST MOVEMENT:



STAFF MOVEMENT:



FOOD MOVEMENT:



VERTICAL STACKING

LOWER BASEMENT FOR SERVICES

UPPER BASEMENT FOR PARKING

BANQUET

SHOPS/RECEPTION GYMNASIUM/SPA

GUEST ROOM & SUITES

GUEST ROOM & SUITES

GUEST ROOM & SUITES SERVICE BLOCK

GUEST ROOM & SUITES

ATRIUM

APOORV PANDIT

1150101089

S.A.P BBDU

LUCKNOW(U.P)

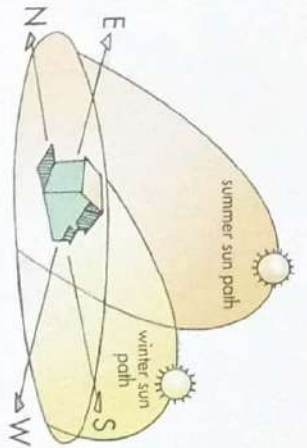
INTRODUCTION:

THE WORD HOTEL DERIVES FROM THE FRENCH HOTEL, WHICH REFERRED TO A FRENCH VERSION COMMERCIAL BASIN OF A TOWNHOUSE OR ANY OTHER BUILDING SEEING FREQUENT VISITORS. A HOTEL IS AN ESTABLISHMENT THAT PROVIDES LODGING, NUMBER OF ADDITIONAL GUEST SERVICES SUCH AS A RESTAURANT, A SWIMMING POOL, CONVENTIONS AND MEETINGS AT THEIR LOCATION. HOTEL HAVE GROWN INTO TRUE CIVIC CENTRE SERVING THE NEEDS OF THE COMMUNITY, PLAYING AN EVER INCREASING ROLE IN INTERNATIONAL TRADE AND TRAVELS. COMMERCIAL HOTEL ALSO CALLED A CITY HOTEL OR A SUB-URBAN HOTEL ANDIS SITUATED IN A BUSY COMMERCIAL AREA. IT HAS MUCH OF COMMERCIAL SPACES LIKE OFFICES, SHOPS AND BANQUETS. BUSINESS TRIP AND LEISURE TRAVEL BY THE PEOPLE HAVE GIVEN A BOOST TO OUR COUNTRY. HOTEL INDUSTRY FORM THE BACKBONE OF TOURISM INDUSTRY WHICH IN TURN ADDS REVENUE TO OUR COUNTRY.

LOCATION:

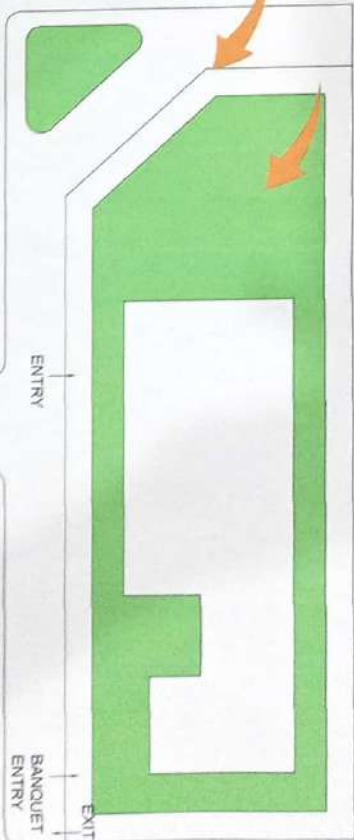
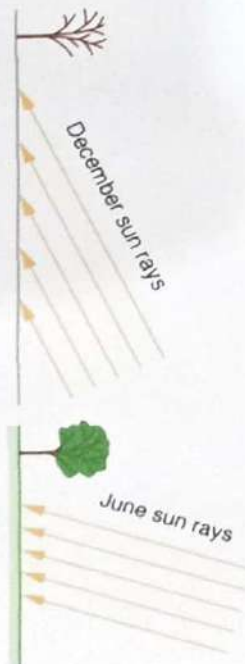
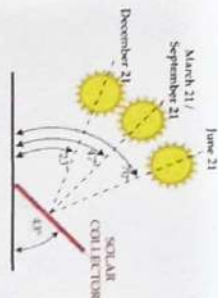


SITE APPROACH:
 16.1 KMS FROM I.G.I AIRPORT
 13.5 KMS FROM ANVT BUS TERMINAL
 4.4 KMS FROM NEW DELHI RAILWAY STATION



CLIMATE:

MAINLY THREE SEASONS OCCURS :-
 HOT & DRY CLIMATE (MARCH – JUNE)
 WARM & HUMID (JULY – SEPTEMBER)
 COOL & DRY (OCTOBER - FEBRUARY)
 MAXIMUM TEMPERATURE :-
 39.8 °C IN THE MONTH OF MAY.
 MINIMUM TEMPERATURE :-
 7.6 °C IN THE MONTH OF JANUARY.
 AVERAGE TEMPERATURE :-
 31 °C IN THE MONTH OF JUNE



WIND AND SPEED:

THE WINDS DIRECTION IS N.W TO S.E. IN WINTERS COLD & DRY WINDS FROM N.W. IN SUMMERS HOT AND DUSTY ATMOSPHERE IN MAY- JUNE.

WIND DIRECTION



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AREA ANALYSIS

BACK OF THE HOUSE:
SERVICE LOBBY:26SQM
WEIGHING ROOM(STORE):38SQM
RECEIVING OFFICER:12SQM
SECURITY OFFICE:12SQM
TIME KEEPERS OFFICE:14SQM

KITCHEN:
COLD STORE:12SQM
DRY STORE:12SQM
PREP.AREA:16.5 SQM
COLD MEALS:31 SQM
BAKERY:26SQM
MEAT PREP:11SQM
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ROOM SERVICE SERVERY: 22SQM
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SERVICE LOBBY:27SQM

HOTEL LOBBY:
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RECEPTION DESK:22SQM
FRONT OFFICE:15SQM
HOTEL LOBBY:200SQM
LUGGAGE ROOM:11 SQM
SAFETY VAULT:11SQM
SECURITY PERSONNEL 'S:53SQM
TOILET-LADIES:19SQM
TOILET-GENTS:19SQM
RESTAURANT:192SQM

BALLROOM:
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PRE-FUNCTION:200SQM X 2
BALL ROOMS CIRCULATION: 357SQM
REST ROOM:60SQM
TOILET LOBBY:96SQM
TOILET LADIES:37SQM
TOILET GENTS:42SQM

HOTEL LOBBY:2:
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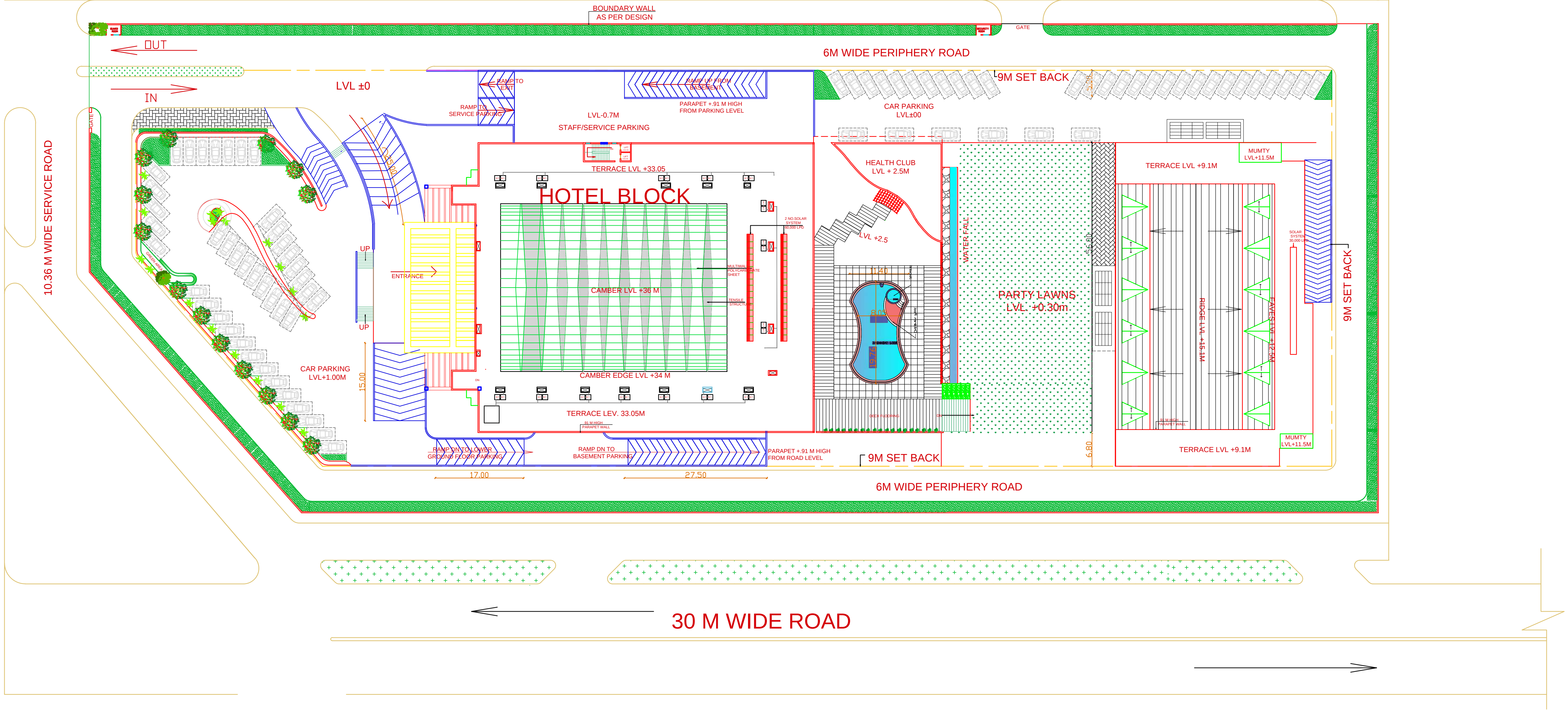
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WAITING AREA:53SQM
CONFERENCE HALL-1:142SQM
CONFERENCE HALL-2: 56SQM
PANTRY: 13.5SQM
STORE: 15 SQM

RESTAURANTS:
COFFEE SHOP:116SQM
SPECIALITY RESTAURANT:186SQM
KITCHEN:58SQM
WINE STORE:22SQM
PANTRY:23SQM
TOILET-LADIES:17SQM
TOILET-GENTS:17SQM

PUBLIC AREAS:
INFINITY POOL:393SQM
WOMEN SHOWER ROOM:29SQM
WOMENS LOCKER:7SQM
MENS SHOWER ROOM:29SQM
MENS LOCKER:7SQM
MENS SPA:190SQM
MENS SPA LOCKER:14.5SQM
MENS SPA WASHROOM:67SQM
WOMENS SPA:232SQM
WOMENS SPA LOCKER:13.5SQM
WOMENS SPA WASHROOM:67SQM
CRECH:140SQM
LIBRARY:715SQM
CASINO:411 SQM
GYMNASIUM:566SQM
SALON:306SQM
GAMES ROOM:295SQM
TERRACE

CORE:
SERVICE LOBBY:18.5SQM
GOODS LIFT:8.4SQM
SERVICE LIFT:5.85SQM
FIRE LOBBY:23SQM
FIRE LIFT:3.6SQM
GUEST LIFT:5.85SQM
FIRE SHAFT:5.4SQM
AHU 'S:23.4SQM
ELECTRICAL ROOM:23.4SQM

BACK OF THE HOUSE:
PURCHASE OFFICE:28SQM
PURCHASE MANAGER:13SQM
ACCOUNT OFFICE:30SQM
ACCOUNTS MANAGER:14SQM
HR OFFICE:28SQM
FIRST AID ROOM:10SQM
MARKETING MANAGER:15SQM
RECORD ROOM: 6SQM
TRAINING ROOM:60SQM
MEETING ROOM:45SQM
SALES&.MARKETING ROOM:43SQM'
RECORDS ROOM:8SQM
STAFF TOILET GENTS:1 SQM
STAFF TOILET FEMALE:9SQM
SERVICE LOBBY:28SQM
TOILET:5SQM
GENERAL MANAGER:49SQM
SECRETARY:18SQM
MEETING ROOM:24SQM
WAITING:142SQM
SERVICE LOBBY:76SQM
FURNITURE STORE:202SQM
BOARD MEETING:252SQM

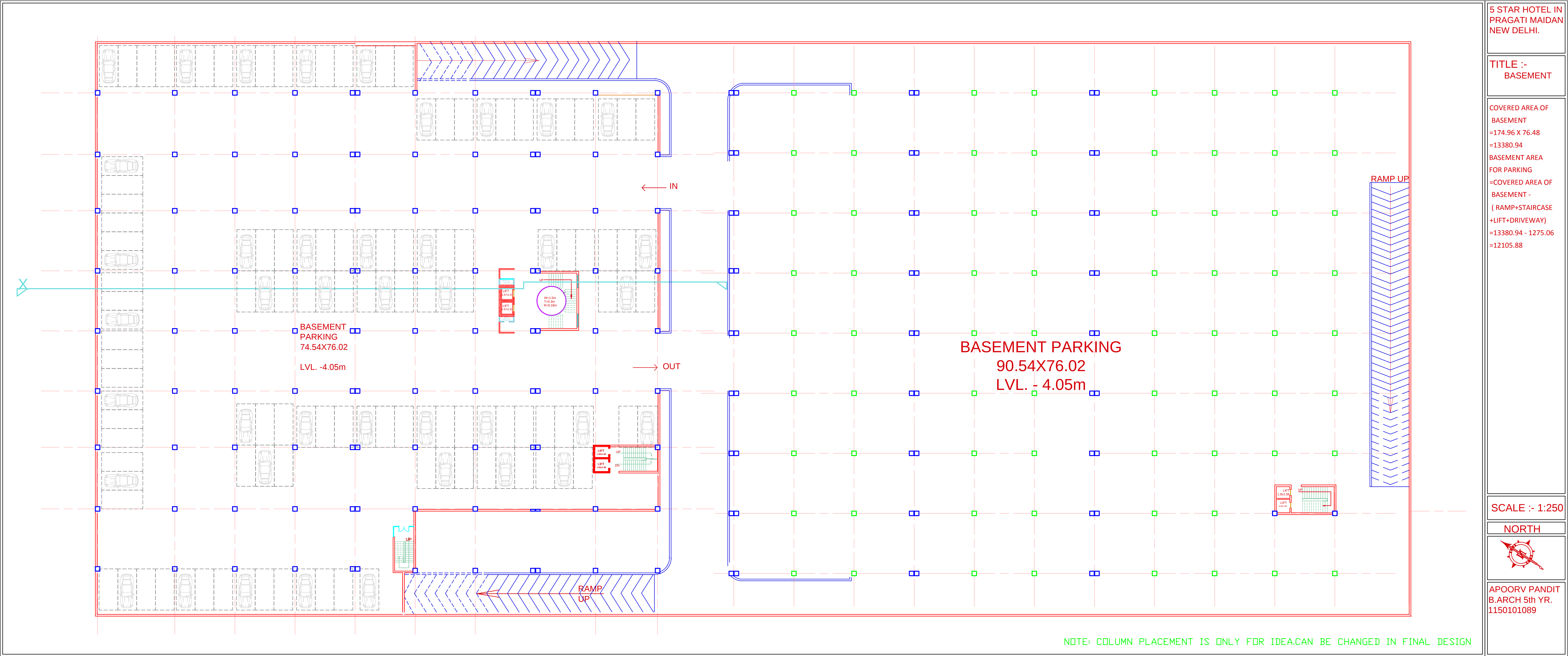


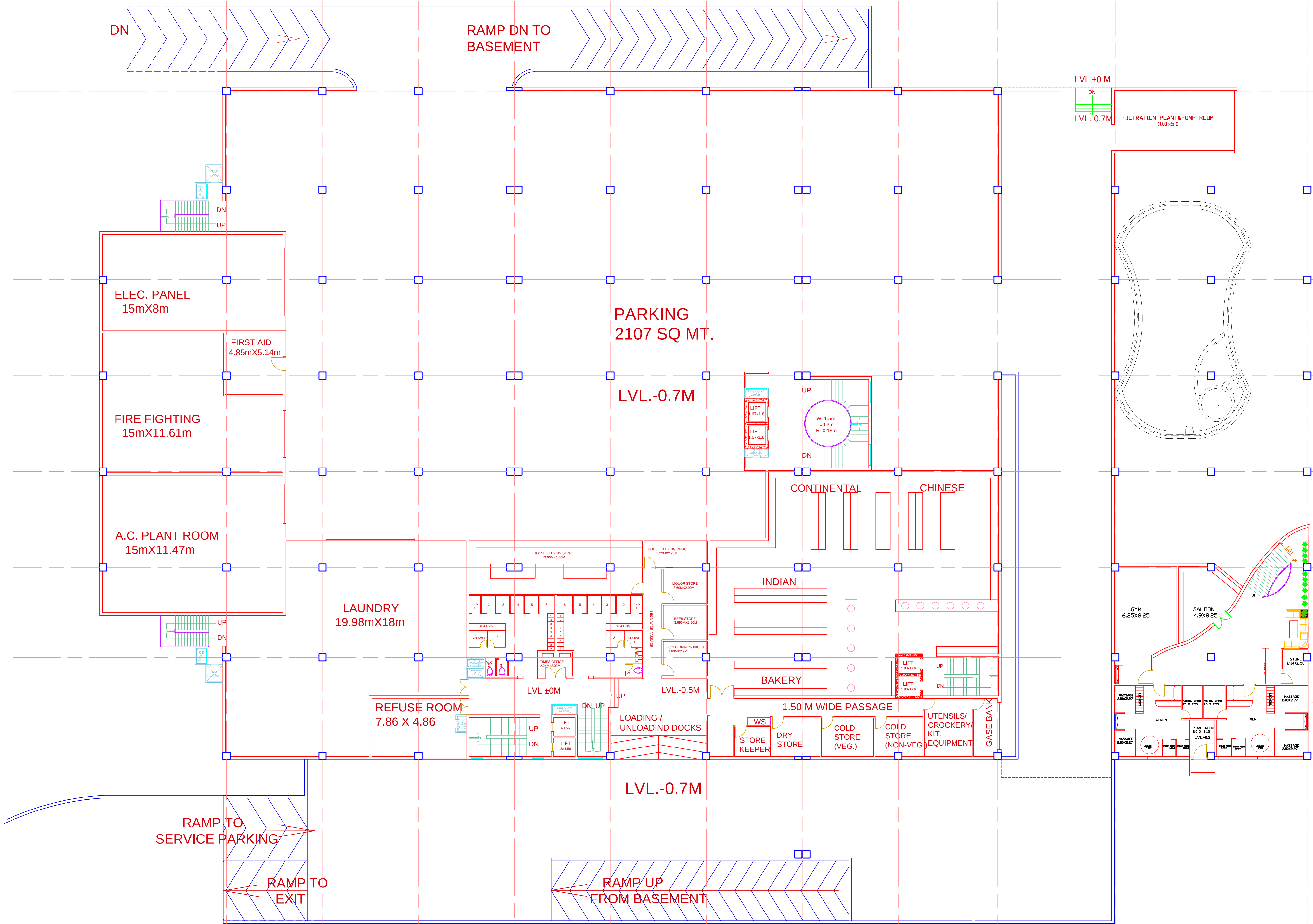
5-STAR HOTEL
IN PRAGATI
MAIDAN

TITLE :-
SITE PLAN



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B.ARCH 5th YEAR
1150101089





5 STAR HOTEL IN
PRAGATI MAIDAN
NEW DELHI.

TITLE :-
LOWER GROUND
FLOOR

COVERED AREA OF
LOWER GROUND
FLOOR
= COVD. AREA OF
UPPER GROUND
FLOOR - (AREA OF
PORCH + PARKING
AREA)
= 4278.72 - (10 X
24.60 + 66 + 232.6
+ 1800.61)
= 4278.72 - 2345.60
=1933.12 sq. m

SCALE :- 1:250



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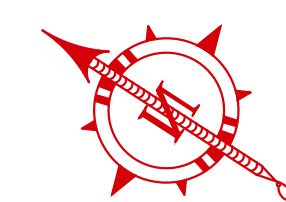
5 STAR HOTEL IN
PRAGATI MAIDAN
NEW DELHI.

TITLE :-
UPPER GROUND
FLOOR

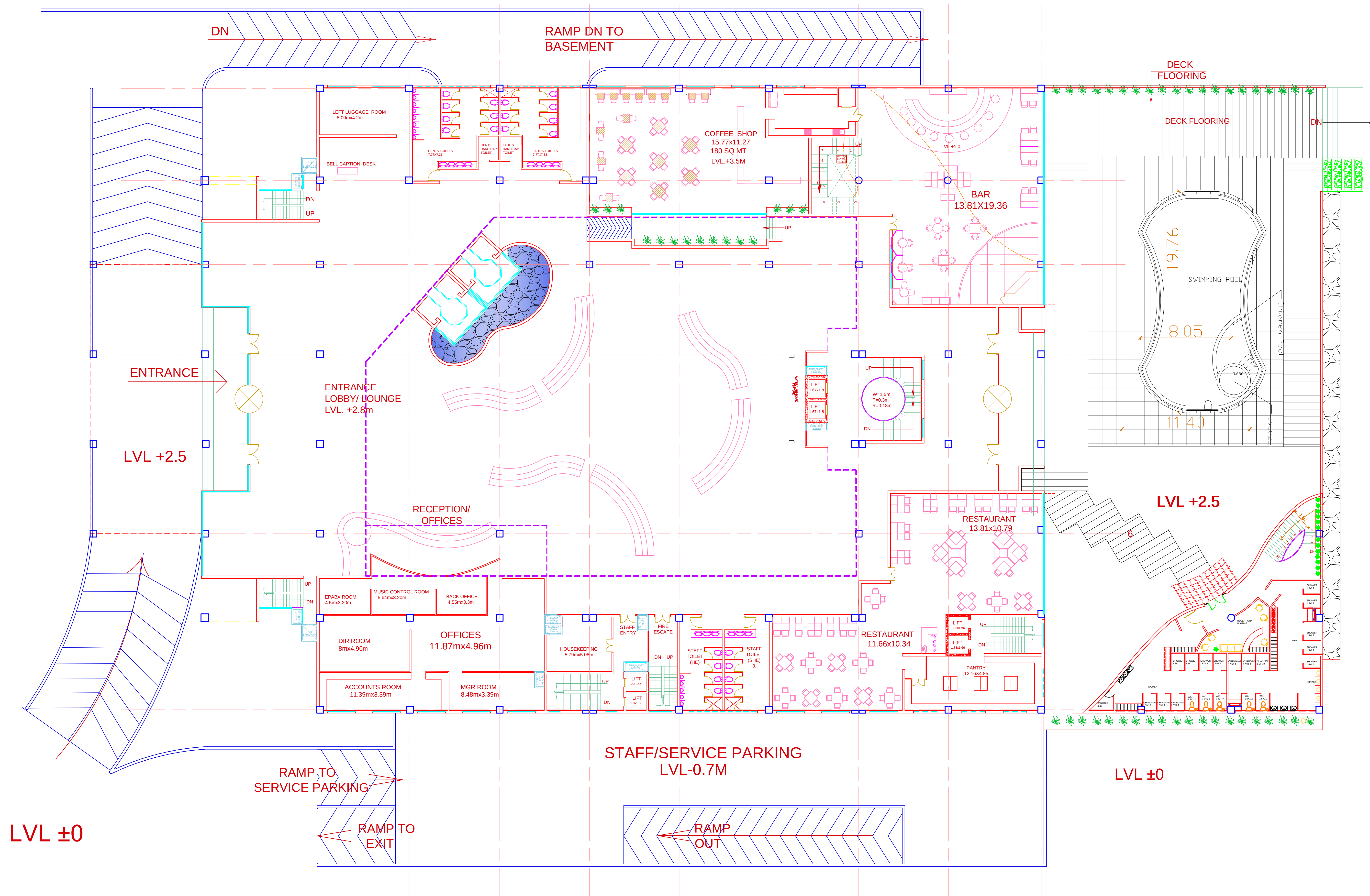
COVERED AREA OF
UPPER GROUND
FLOOR

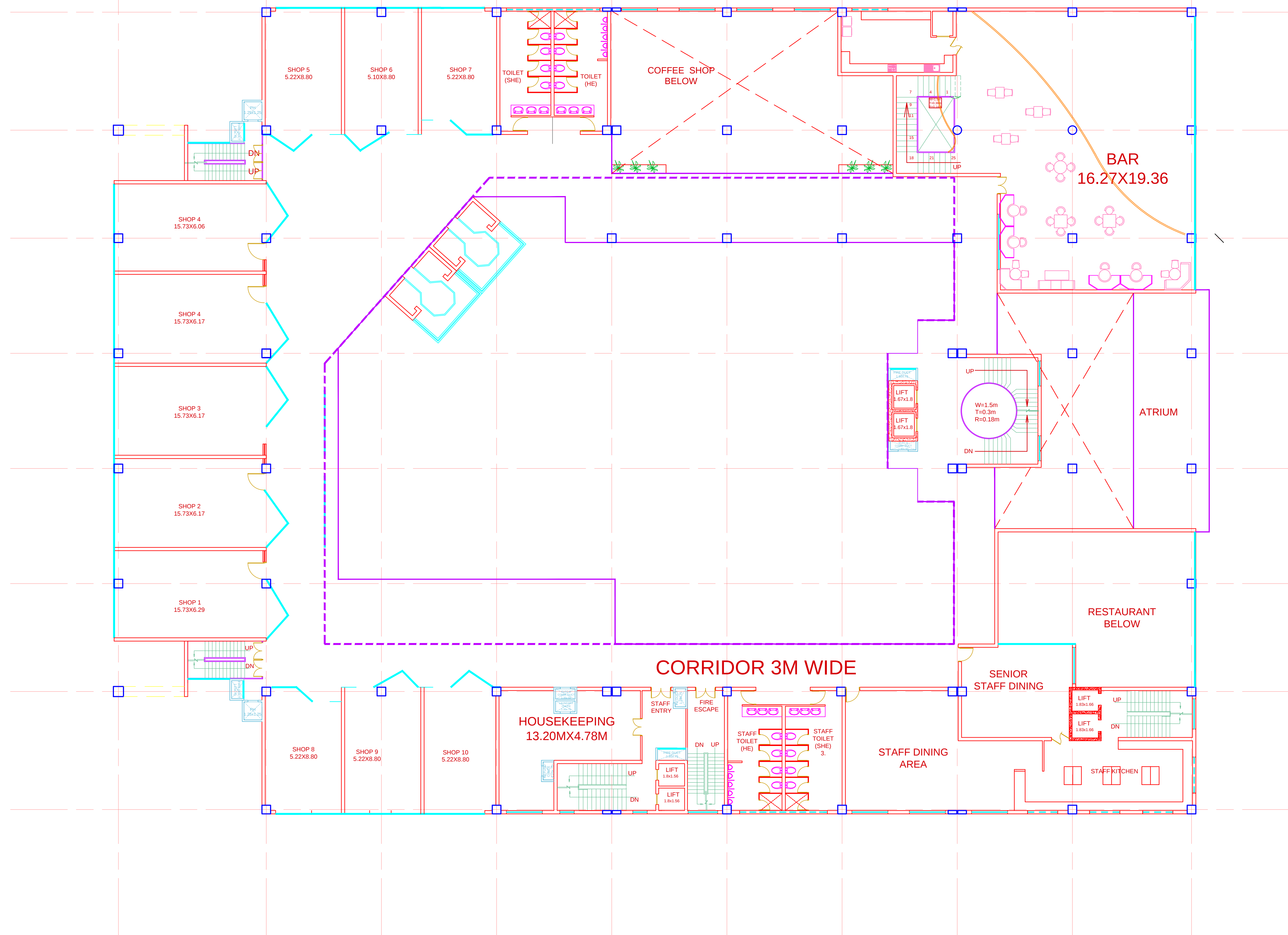
$$= 75 \times 56 + 10 \times 24.60$$
$$- 2(10.20 \times 8.20)$$
$$= 4200 + 246 - 2(83.64)$$
$$= 4446 - 167.28$$
$$= 4278.72 \text{ sq. m}$$

SCALE :- 1:250



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5 STAR HOTEL IN PRAGATI MAIDAN NEW DELHI.

TITLE :-
MEZZANINE FLOOR

COVD. AREA OF MEZZANINE FLOOR
=AREA OF UPPER GROUND FLOOR -
(10 X 24.60 + A + B + C + D)
=4278.72 - (24.60 + 1013.78 +336.43 + 134.91 + 203.24)
=4278.72 - 1712.96
=2565.76 sq. m

SCALE :- 1:250

NORTH

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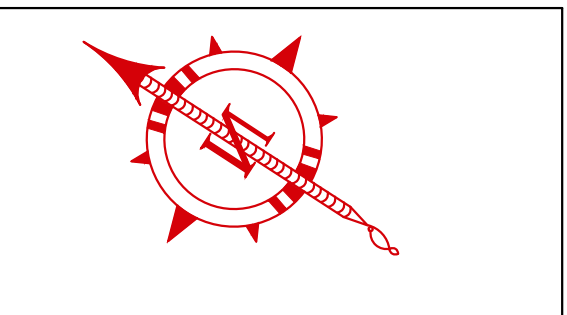
5 STAR HOTEL IN
PRAGATI MAIDAN
NEW DELHI.

TITLE :-
TYPICAL FLOOR
FIRST TO FORTH

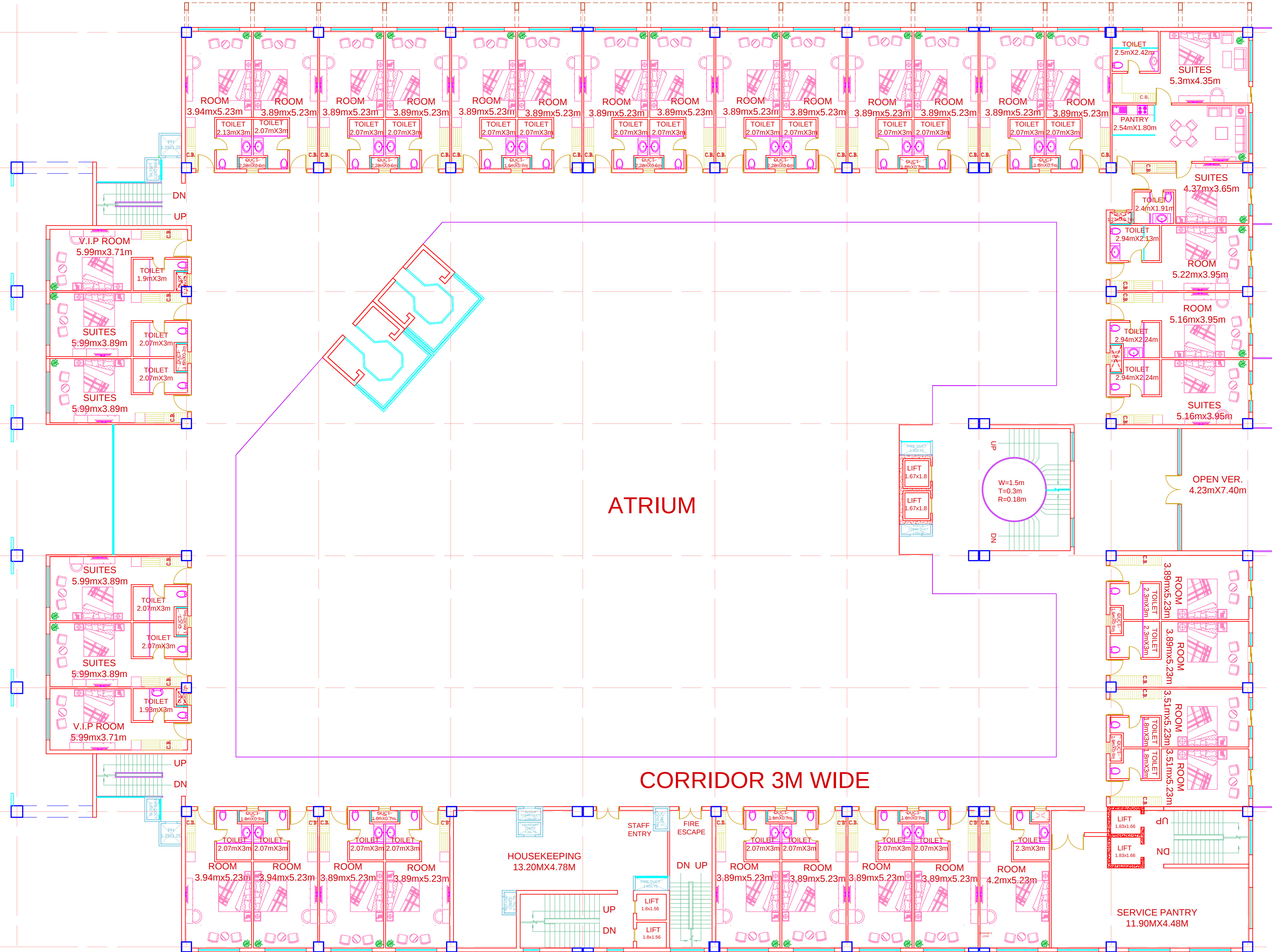
COVERED AREA OF
FIRST FLOOR
=75 X 56 -[2(10.20
X 8.20 + 1360.44)]
=4200 - 1527.72
=2672.28 sq. m

SCALE :- 1:250

NORTH



APOORV PANDIT
B.ARCH 5th YR.
1150101089

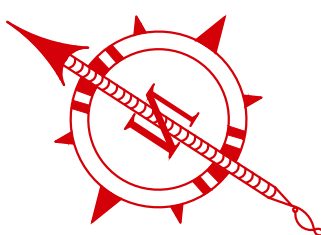


5 STAR HOTEL IN
PRAGATI MAIDAN
NEW DELHI.

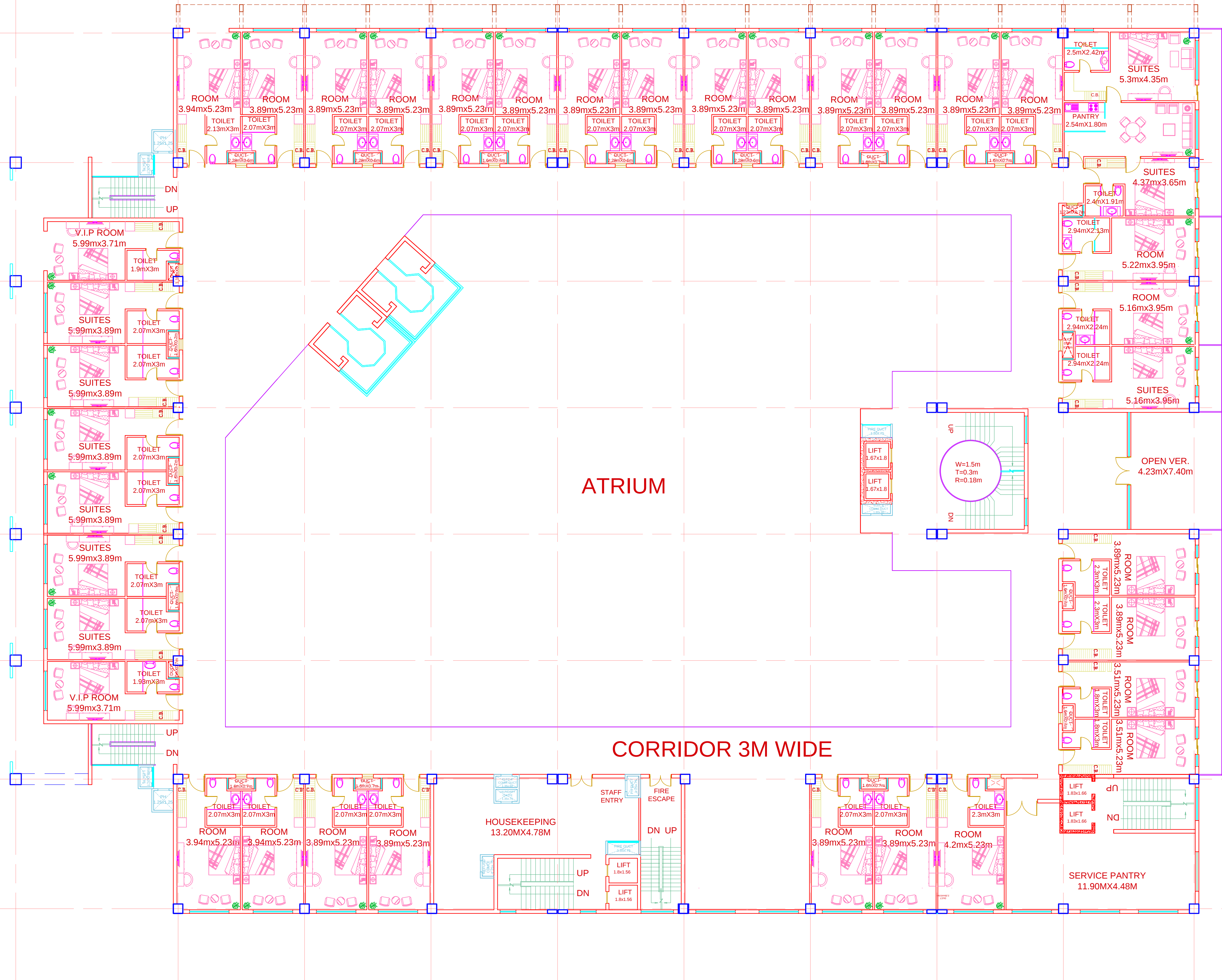
TITLE :-
FIFTH FLOOR
PLAN

COVERED AREA OF
FIFTH FLOOR
=75 X 56 - (1360.44
+ 137.35)
=4200 - 1497.79
=2702.21 sq. m

SCALE :- 1:250



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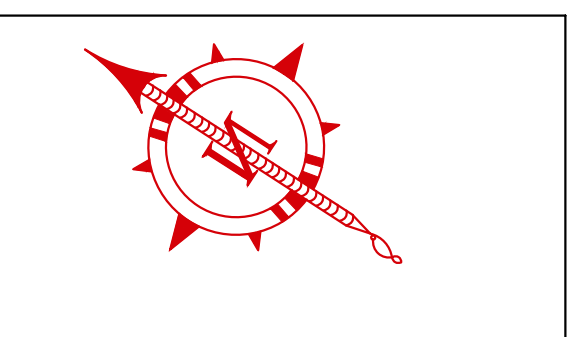
5 STAR HOTEL IN
PRAGATI MAIDAN
NEW DELHI.

TITLE :-
SIXTH FLOOR

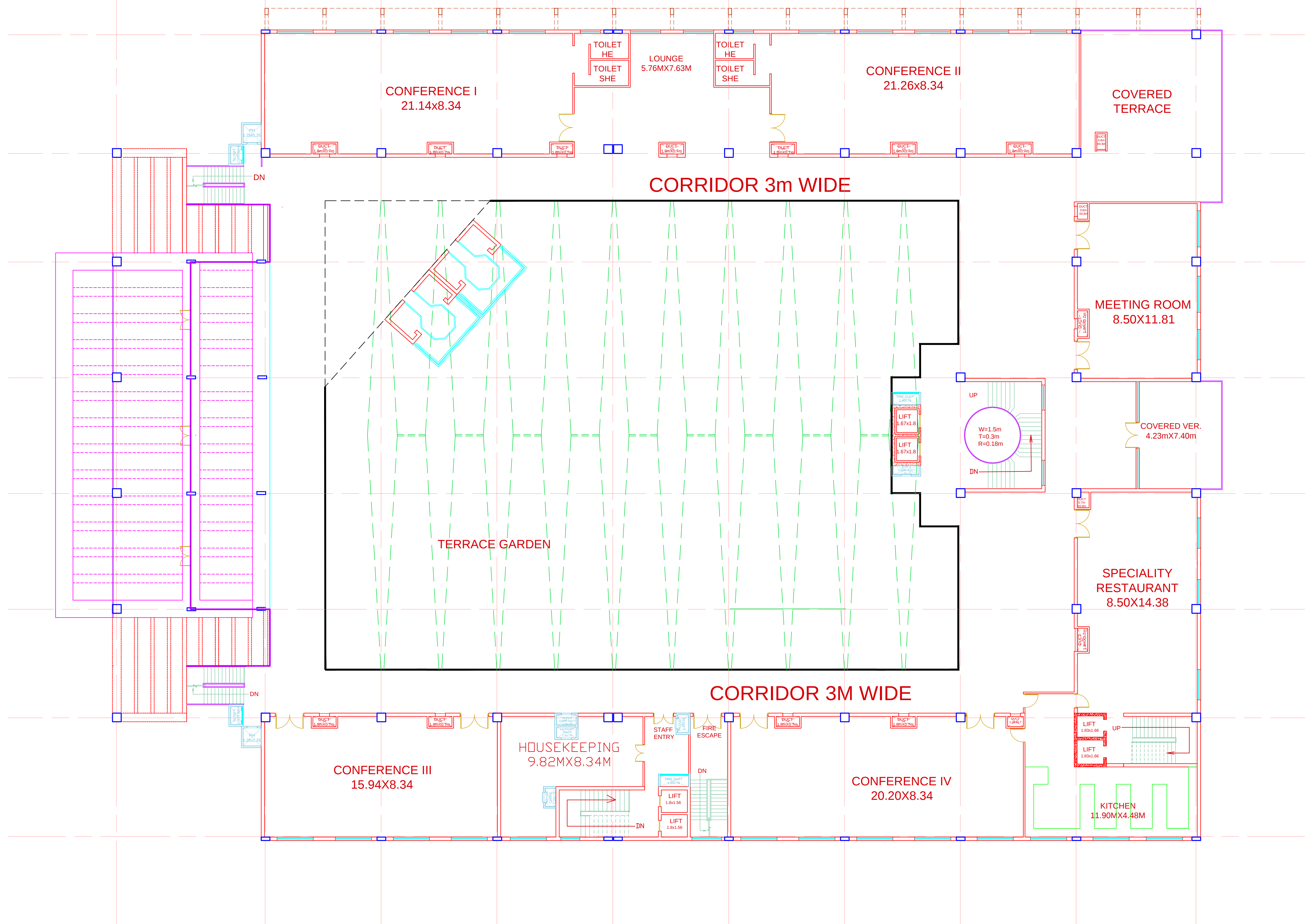
COVERED AREA OF
SIXTH FLOOR
=75 X 56 - 2(10.20
X 8.20)
=4200 - 2(83.64)
=4200-167.28
=4032.72 sq. m

SCALE :- 1:250

NORTH



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B.ARCH 5th YR.
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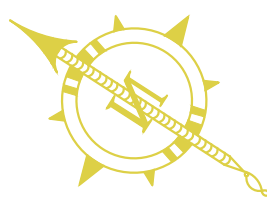


5 STAR HOTEL
IN PRAGATI
MAIDAN NEW
DELHI

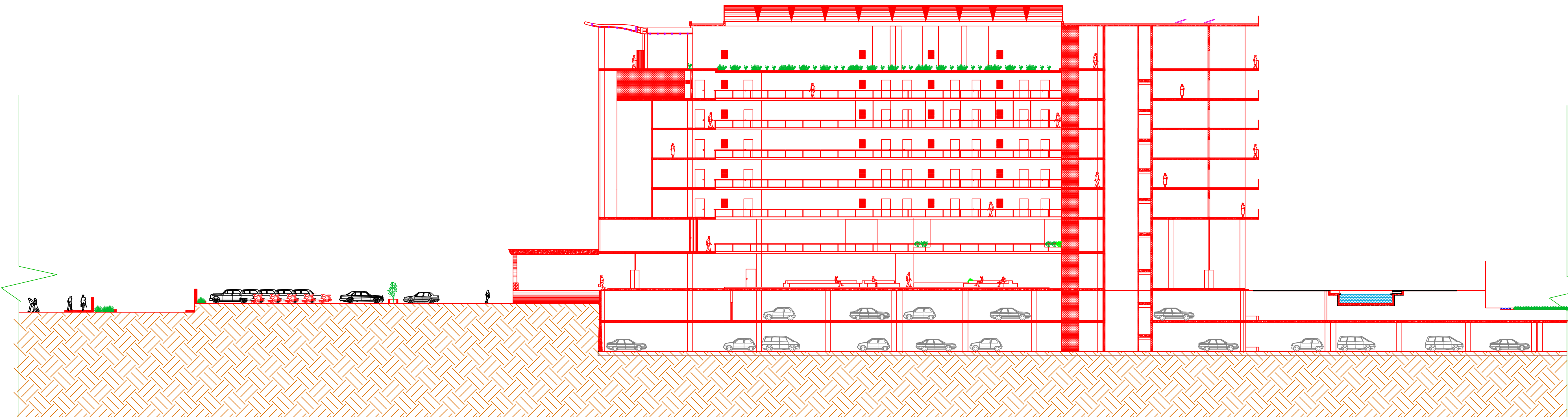
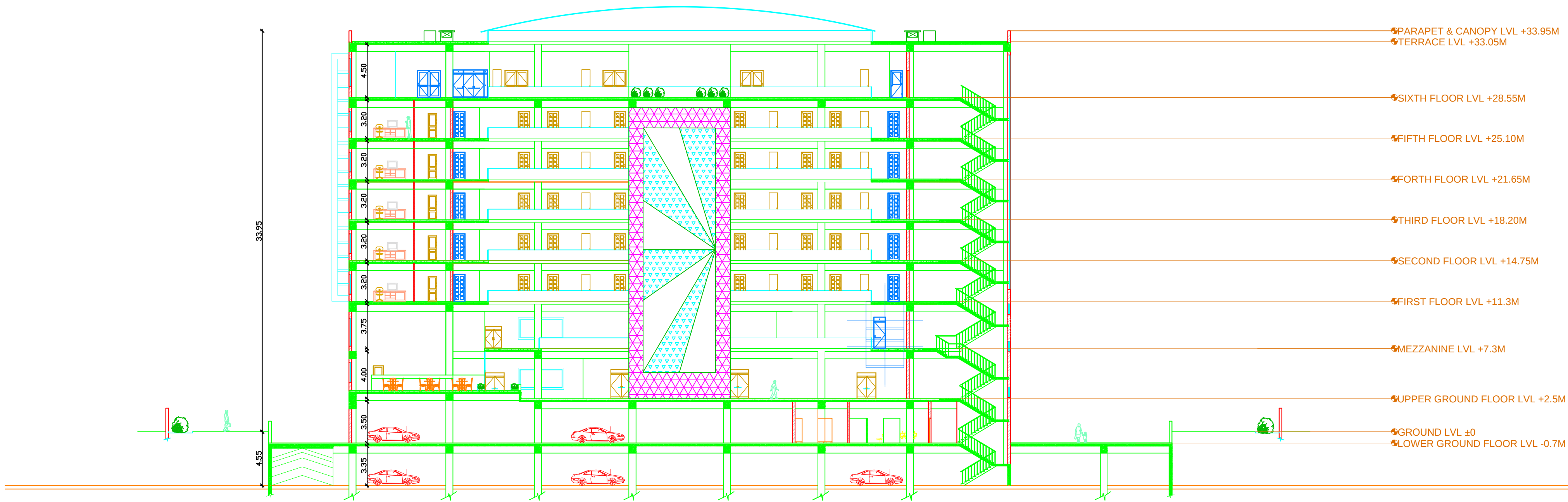
TITLE :-
SECTIONS

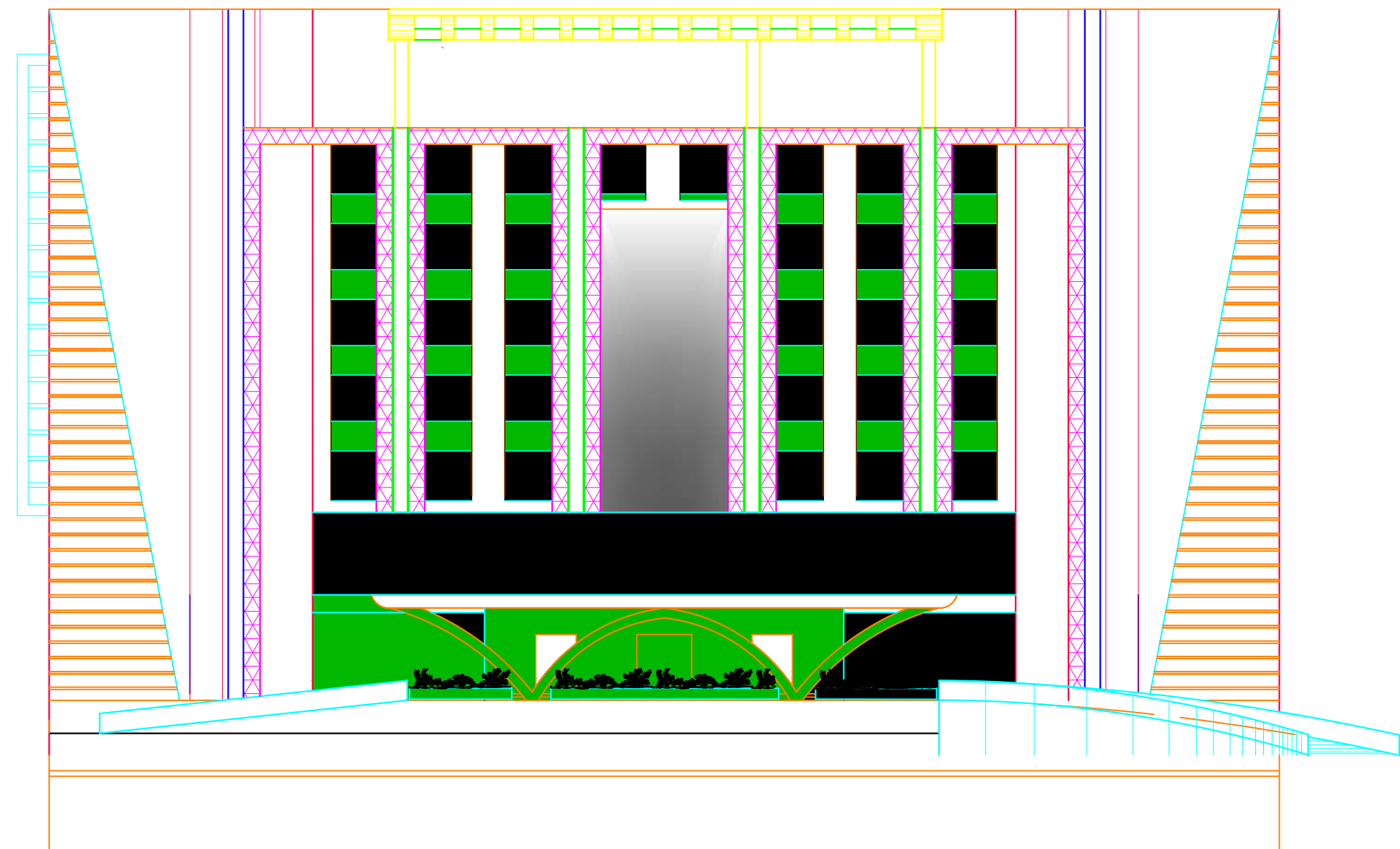
PARKING - 2 ECS/100sq. m
(according to clause 19 of PUDA
building rules 2013)
TOTAL NO. OF ECS REQD.
=21904.4 / 100
=219.044
ECS REQD.
=219.044 X 2
=438.08
OPEN PARKING AREA
PROVIDED IN FRONT OF
BUILDING = 1823.058
NO. OF ECS @ 23 sq. m. = 79.26
COVERED PARKING AREA IN
LOWER GROUND FLOOR
= 2076.5 sq. m
NO. OF ECS @32 sq. m =64.89
COVERED PARKING AREA IN
BASEMENT = 12105.88 sq. m
NO. OF ECS @32 sq. m/ECS
= 378.30
TOTAL NO. OF ECS PROVIDED
= 79.26 + 64.89 + 378.30
=522.45 > 438.08

SCALE :- 1:250

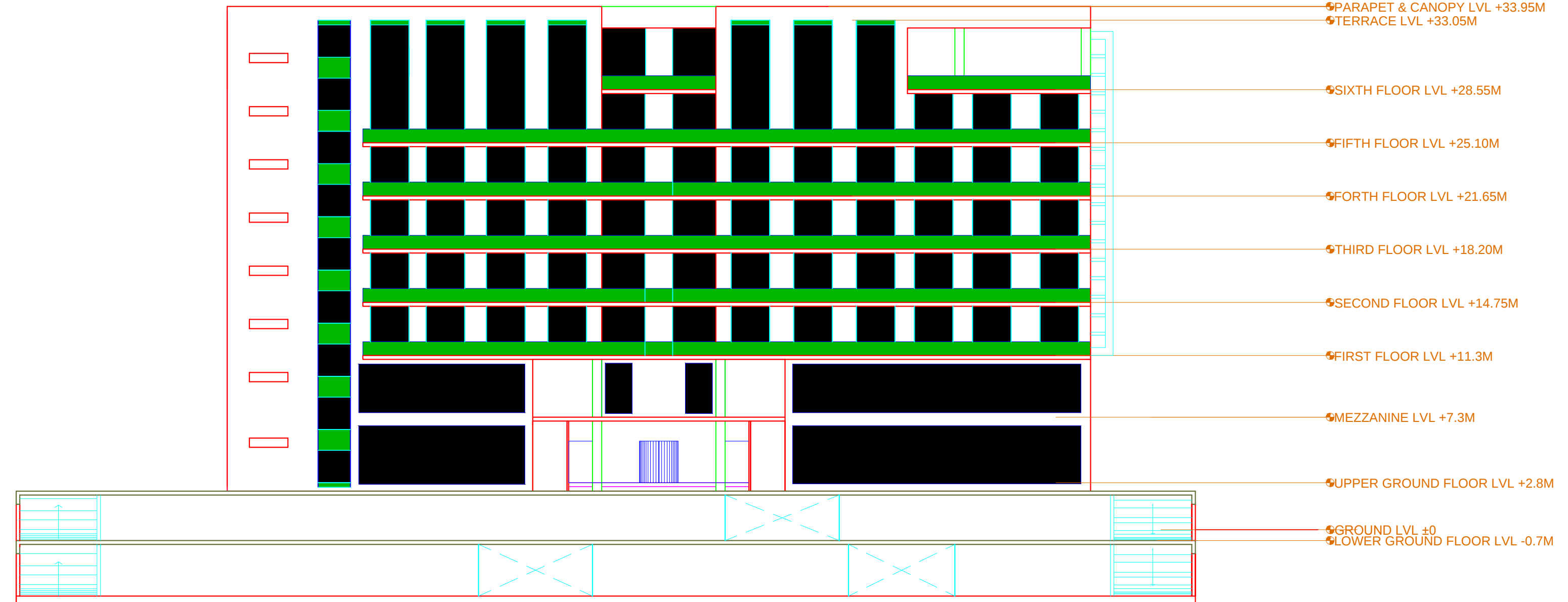


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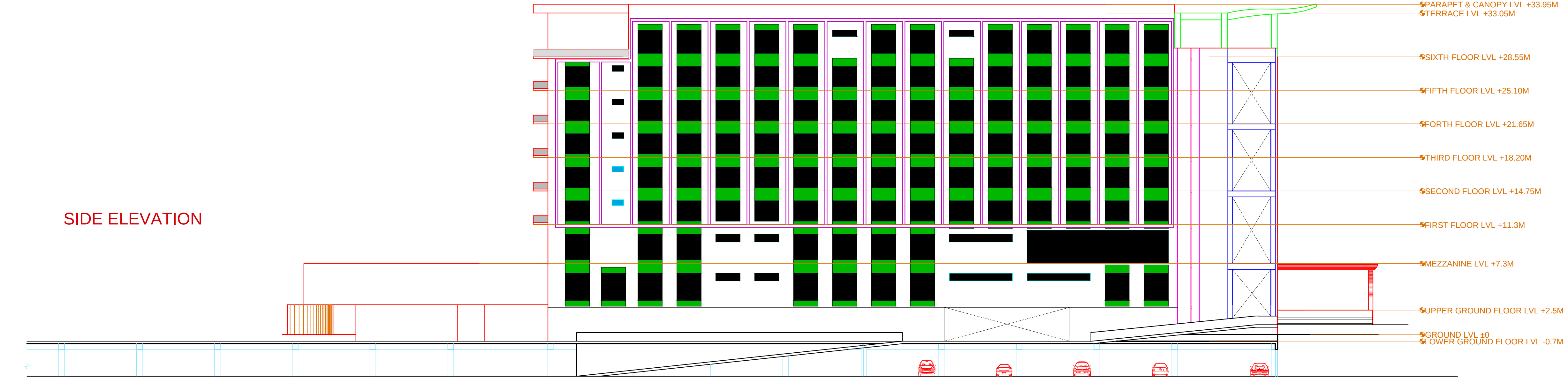




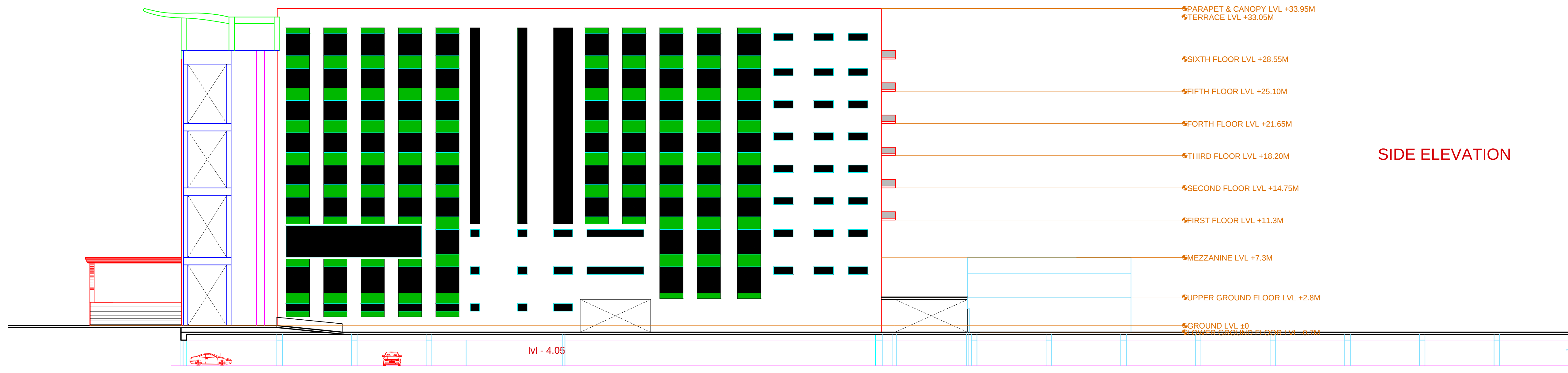
FRONT ELEVATION



REAR ELEVATION



SIDE ELEVATION



SIDE ELEVATION

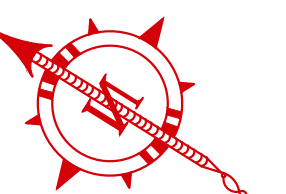
5 STAR HOTEL IN
PRAGATI MAIDAN
NEW DELHI

TITLE :-
ELEVATIONS

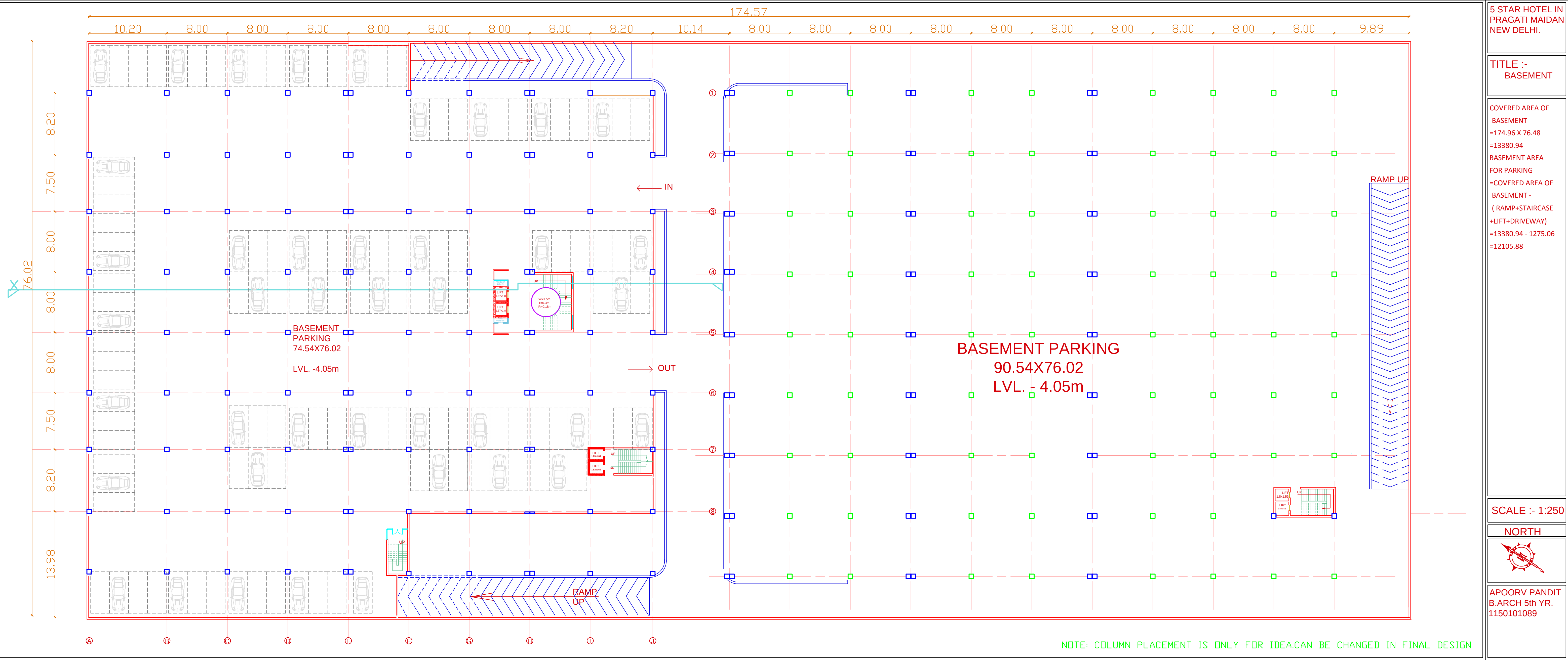
PARKING - 2 ECS/100sq. m

TOTAL NO. OF ECS REQD.
=21904.4 / 100
=219.044
ECS REQD.
=219.044 X 2
=438.08
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COVERED PARKING AREA IN
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COVERED PARKING AREA IN
BASEMENT = 12105.88 sq. m
NO. OF ECS @32 sq. m/ECS
= 378.30
TOTAL NO. OF ECS PROVIDED
= 79.26 + 64.89 + 378.30
=522.45 > 438.08

SCALE :- 1:250



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5 STAR HOTEL IN
PRAGATI MAIDAN
NEW DELHI.

TITLE :-
BASEMENT

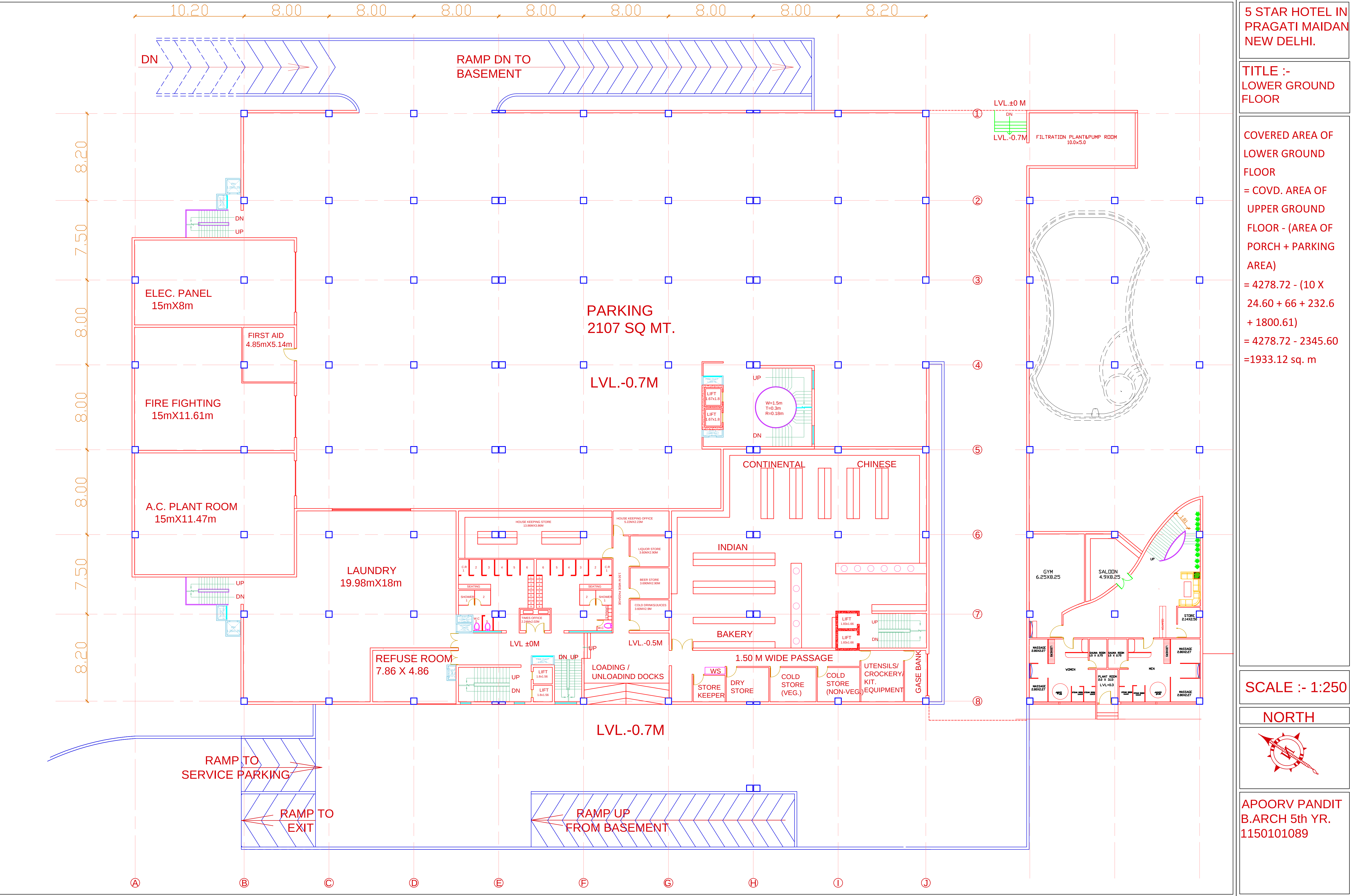
COVERED AREA OF
BASEMENT
=174.96 X 76.48
=13380.94
BASEMENT AREA
FOR PARKING
=COVERED AREA OF
BASEMENT -
(RAMP+STAIRCASE
+LIFT+DRIVEWAY)
=13380.94 - 1275.06
=12105.88

SCALE :- 1:250

NORTH



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B.ARCH 5th YR.
1150101089



5 STAR HOTEL IN PRAGATI MAIDAN NEW DELHI.

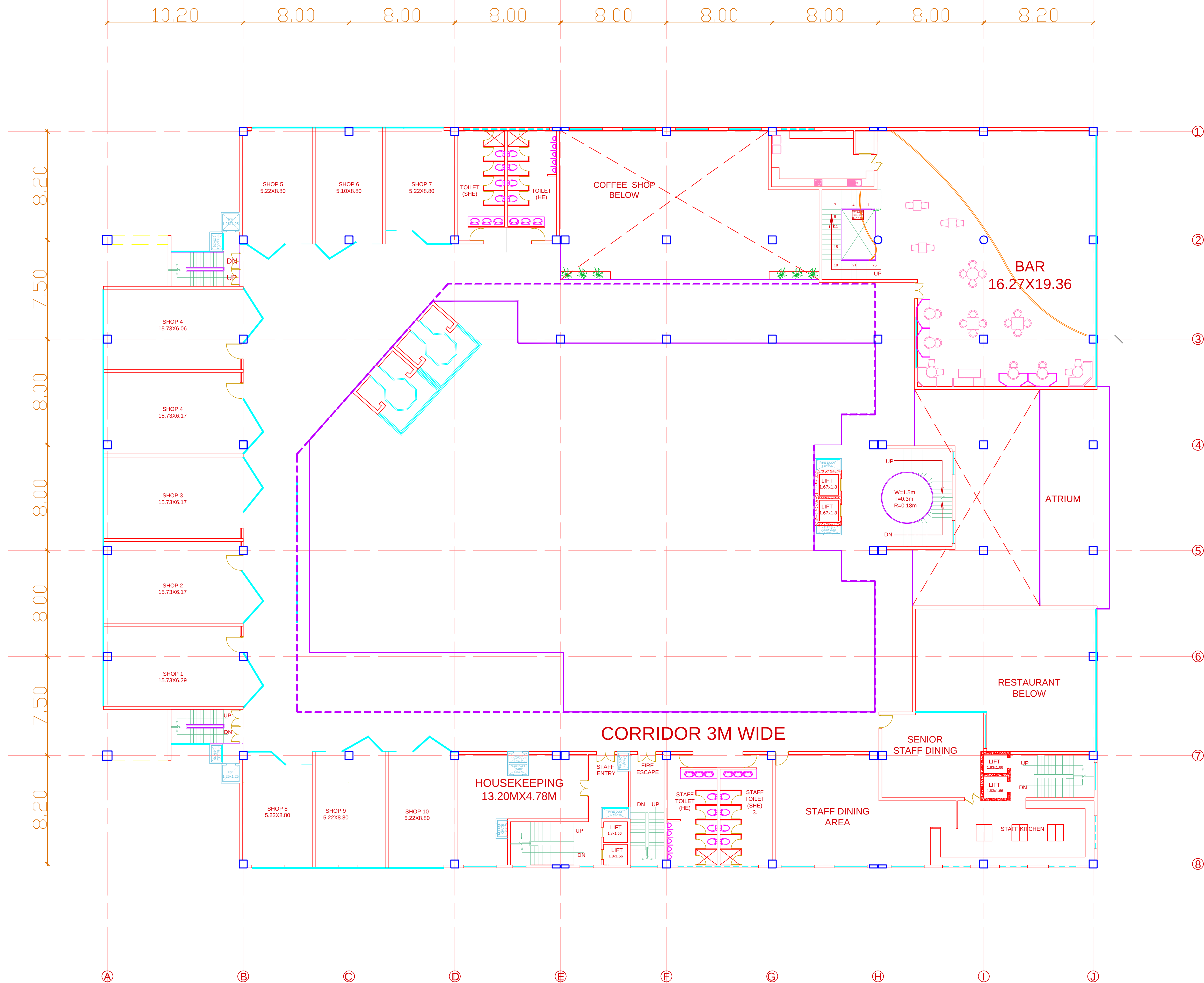
TITLE :- LOWER GROUND FLOOR

COVERED AREA OF LOWER GROUND FLOOR
= COVD. AREA OF UPPER GROUND FLOOR - (AREA OF PORCH + PARKING AREA)
= 4278.72 - (10 X 24.60 + 66 + 232.6 + 1800.61)
= 4278.72 - 2345.60
=1933.12 sq. m

SCALE :- 1:250

NORTH

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B.ARCH 5th YR.
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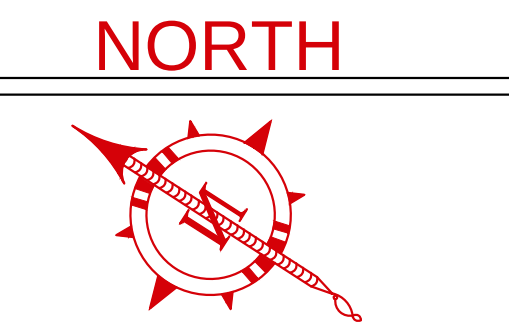


5 STAR HOTEL IN
PRAGATI MAIDAN
NEW DELHI.

TITLE :-
MEZZANINE
FLOOR

COVD. AREA OF
MEZZANINE FLOOR
=AREA OF UPPER
GROUND FLOOR -
(10 X 24.60 + A +B
+C + D)
=4278.72 - (24.60 +
1013.78 +336.43 +
134.91 + 203.24)
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=2565.76 sq. m

SCALE :- 1:250

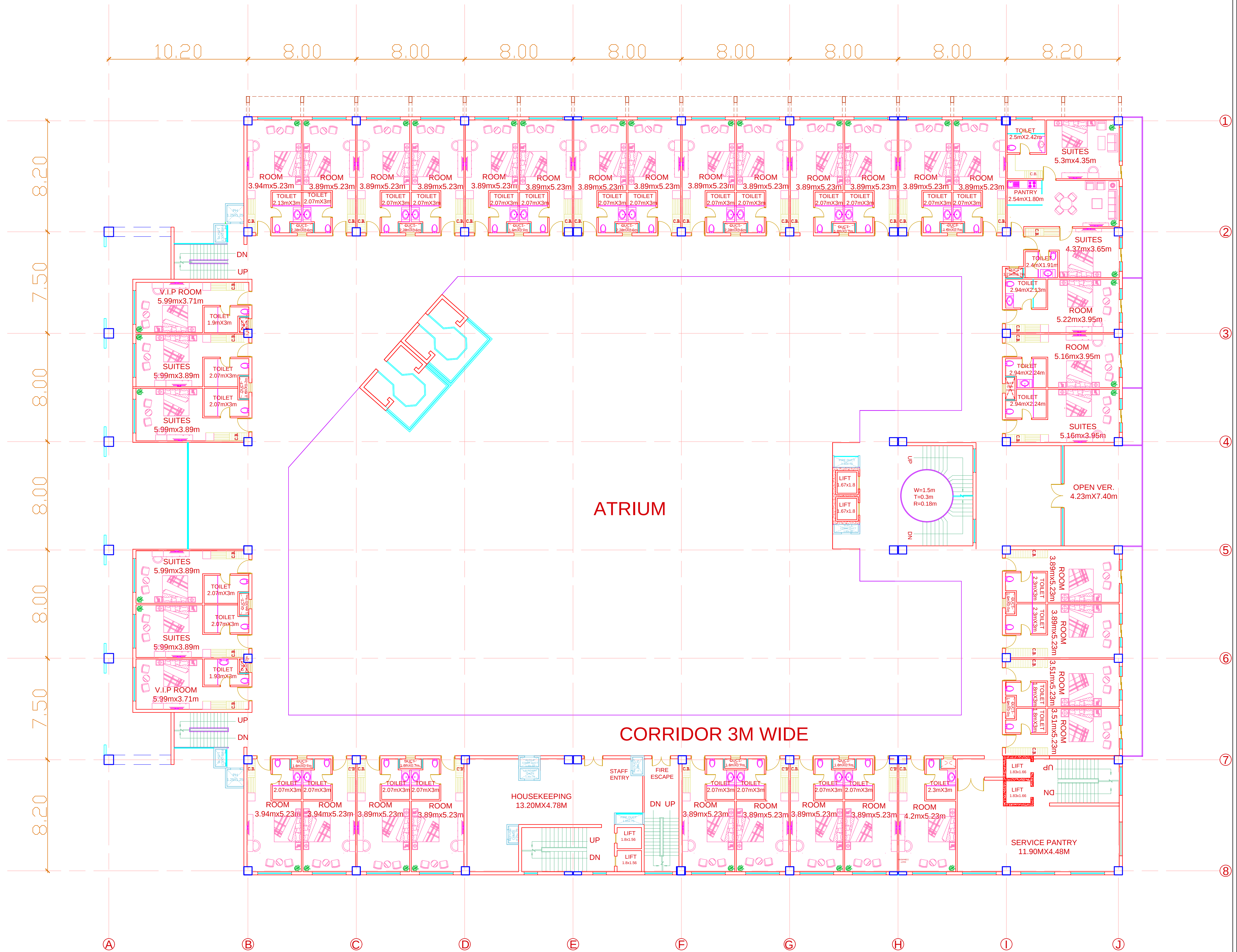


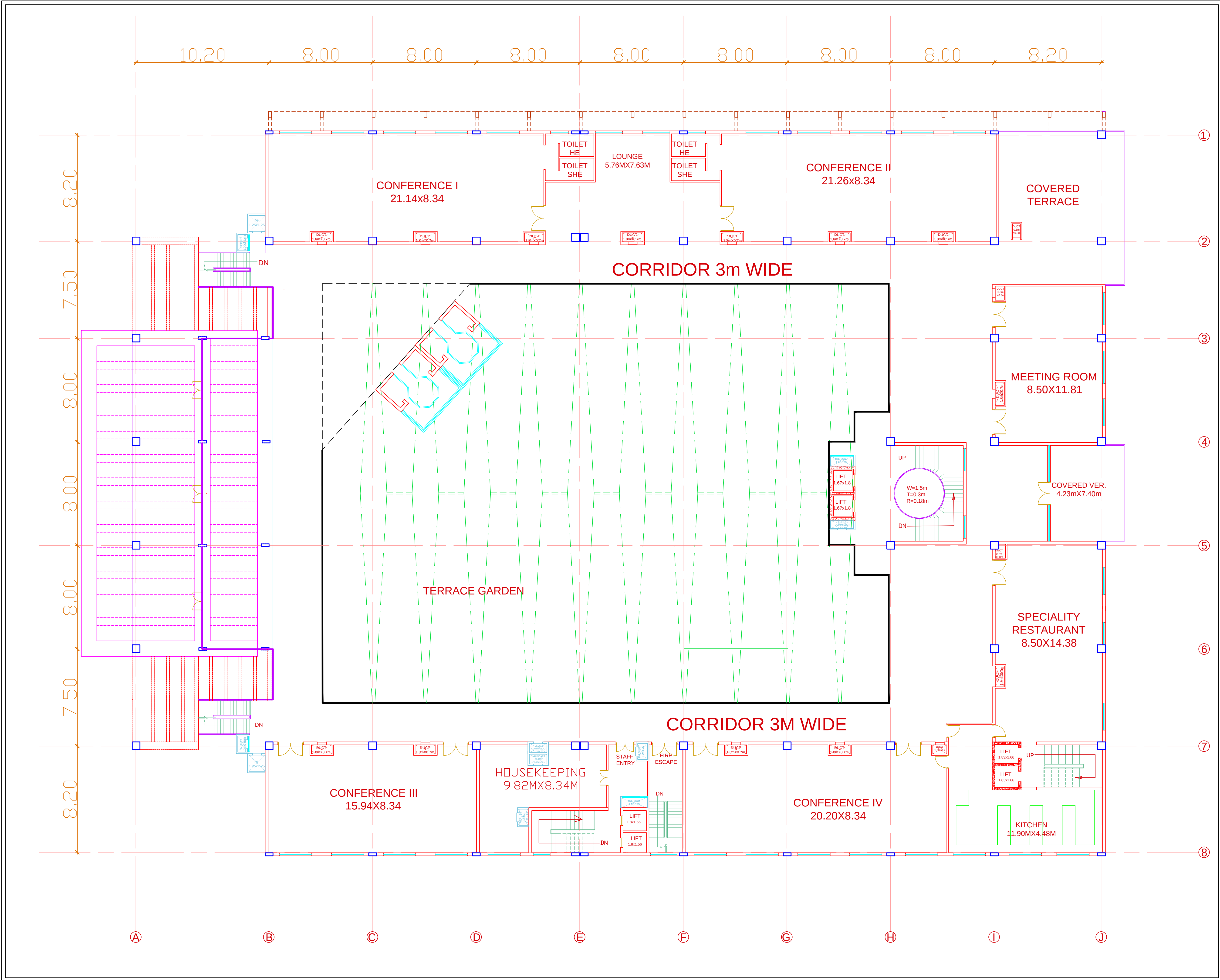
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TITLE :-
TYPICAL FLOOR
FIRST TO FORTH

SCALE :- 1:250

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5 STAR HOTEL IN
PRAGATI MAIDAN
NEW DELHI.

TITLE :-
SIXTH FLOOR

COVERED AREA OF
SIXTH FLOOR
=75 X 56 - 2(10.20
X 8.20)
=4200 - 2(83.64)
=4200-167.28
=4032.72 sq. m

SCALE :- 1:250

NORTH

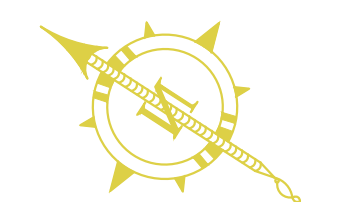
APOORV PANDIT
B.ARCH 5th YR.
1150101089

5-STAR HOTEL
NEW DELHI

TITLE :-
ELEVATIONS

PARKING - 2 ECS/100sq. m
(according to clause 19 of PUDA
building rules 2013)
TOTAL NO. OF ECS REQD.
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TOTAL NO. OF ECS PROVIDED
= 79.26 + 64.89 + 378.30
=522.45 > 438.08

SCALE :- 1:250



APOORV PANDIT
B.ARCH 5th YEAR
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