

DISTRICT COURT COMPLEX AT DEHRADUN



**A Thesis Submitted
in Partial Fulfillment for the Requirements
for the Degree of**

BACHELOR OF ARCHITECTURE

in

Field of specialization(ARCHITECTURE)

by

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Under the guidance of

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to the

School of Architecture



BABU BANARASI DAS UNIVERSITY,

LUCKNOW

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ACKNOWLEDGEMENT

The journey which started 5 years ago has culminated....as I step into the world a series of people flash in my memory without whose support and good will this journey wouldn't have been easy and free flowing.....

To start with. First and foremost gratitude towards almighty GOD for his blessings. Then I would like to thank all my faculty members who have supported and guided me all these memorable 5 years.

I would like to thank my thesis guide **PR. MOHIT AGARWAL & AR. RAMAKANT** who has been extremely co-operative since the very beginning and who helped me to utilize my skills and creativity to the utmost...

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Last but not the least all friends and love one who give their all kind of support and concern .The lovely juniors who helped me whenever Pooja Yadav.Thankyou so much for the efforts.

I have put in my best of efforts and worked day and night to make this project a success .hope u too will appreciate my endeavour.....

I wish to dedicate this work to my love ones.....Who are always their in my heart.

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CERTIFICATE OF THESIS SUBMISSION FOR EVALUATION

1. Name : POORNIMA RAJ CHAUDHARY

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4. Degree for which the thesis is
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submitted

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.....

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| 7. Specifications regarding thesis format have been closely followed. | YES | N ☐ | ☐ |
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| 12. Submitted 4 spiral bound copies plus one CD. | YES | N ☐ | ☐ |

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Remarks: Satisfactory / not Satisfactory (in case of not Satisfactory give comments):

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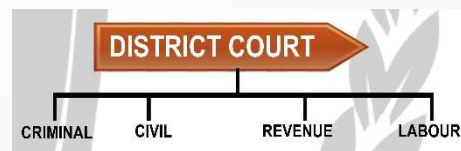
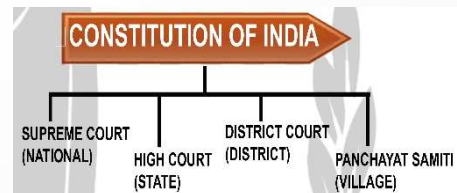
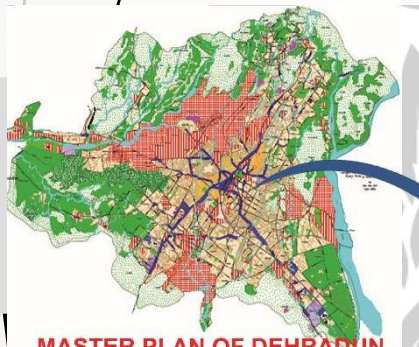
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INTRODUCTION

Dehradun is located in the Doon Valley on the foothills of the Himalayas nestled between the river Ganges on the east and the river Yamuna on the west. The city is famous for its picturesque landscape and slightly milder climate and provides a gateway to the surrounding region. The construction of district court complex is proposed at Village-Uddiwala Karanpur, Pargana-Central Doon, Haridwar Road, Tehsil & District- Dehradun, Uttarakhand. The developer of the project is National Buildings Construction Corporation. The Land use of project site is in conformity with Dehradun Master Plan.

COURT

law court are shelters of law"
court is the word which denotes an enclosed space. it is a term used for judicial tribunals which originally were enclosures within which sat judges and their officials while the counsel attorneys and the general public stood outside the bar of the court



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The site has been proposed keeping in mind the number of future development of this area. though till now, the area houses only a few number of residences, it offers a lot of future prospects in case of development which generate the need of a judiciary system in this place in order to establish law and order.



COMPONENTS OF PROJECT

1. ADMINISTRATION BLC
2. JUDGE'S BLOCK
3. LOWYER'S BLOCK
4. PRISONER'S CELL
5. COURT ROOM



REQUIREMENTS OF DISTRICT COURT

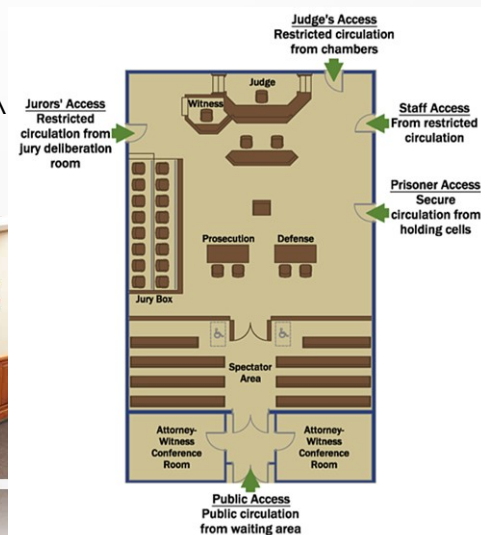
1. A large dais to accommodate a large table and an executive chair with sufficient space for movement towards the sides and rear.
2. The dais should be raised by about 450 to 600 mm from the court room floor level.
3. The dais has to be directly approachable from the judge's chamber.
4. The size of the judges table on the dais should be large enough to accommodate two chairs.
5. The table should have provision for power outlet, computer LAN outlet and video conferencing facilities.

COURT ROOM

1. A court room is said to be acoustically good when it has a proportion of 1:1.2 to 1:1.5 .
2. Shapes and sizes are guided by good hearing seeing conditions.
3. All walls and ceilings should be acoustically treated for indoor and outdoor conditions.

COURT OFFICE

1. PROVISION 1/2 PER COURT ROOM AREA
ONE PER COURT ROOM= 30 SQM.
TWO PER COURT ROOM= 80 SQM.



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COURT CORRIDOR

1. 1.8 M. MIN. WITH NON SLIP SURFACE AND ACOUSTICAL
2. MET SHOULD BE USED.

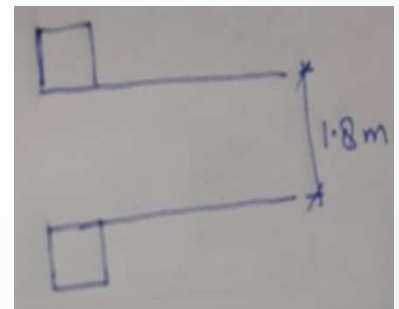
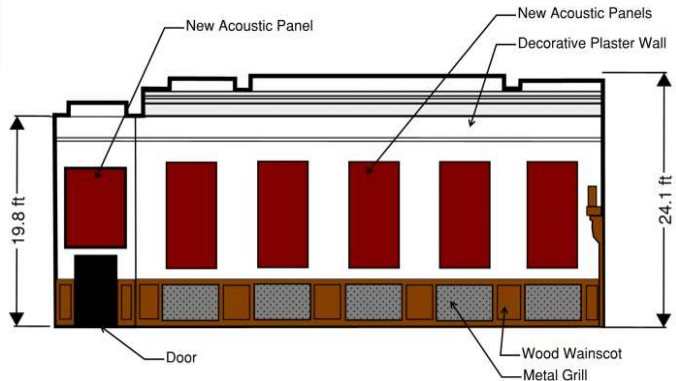


ACOUSTICS

1. The height of the room may vary between 16' -20'
2. The ceiling should be flat or splayed only at the walls.
3. Deep beams transversing the ceiling parallel to the dais should be avoided
4. The angles between walls and ceilings should be designed to prevent echoes .
5. Seating should be upholstered to assist the maintenance of a low period of reverberations when the number of people present in small.
6. The reverberation period should not be more than 1 second.

WITNESS BOX

1. A witness box of proper size and design (with hand rails).
2. The witness box should be raised by 150 mm to 200 mm from the court room floor level and should have a chair for sitting.
3. An enclosure for the accused on the other side of the dais facing the witness box with a bench capable of seating at least 3 persons
4. Space for two tables: one for the court master (Reader) and one stenographer, in front of the dais with provision for electrical points for connecting computers
5. Lawyers desks, designed to have space for storage of books and files.
6. Space for lawyers to stand and argue etc.
7. Moving the witness box 45 degree to face diagonally across the court room would improve the courts view but impair that of the judge's .
8. A better modification might be to give the front of the witness box a less directional and more rounded shape . Generally one is enough . However two are generally provided to maintain uniformity and interchangeability while necessity is felt to use both simultaneously.



BAR ROOM

1. Designed for max. $\frac{3}{4}$ capacity of lawyer's chamber 2 sqm/person
2. $200 \times 2 = 400$ Sqm
3. 30 % circulation 120 Sqm
4. 20% lockers / store 80 Sqm

LAWYERS CHAMBER

1. Provision ½ lawyers .
2. Unit area 15 Sqm for one lawyer.
3. 30 Sqm for two lawyers

DIAS

1. The dias should consist of masonry platform, the floor of which should be kept 2' higher the floors of the court room .
2. The tables and chairs for readers and stone to kept at the same level.
3. When there are some special type of cases , eg. Criminal, more spaces is needed so the court should be designed for more number of people or long wall should be kept free so that when required seats may be provided the seats should be with minimum comfort .
4. They are meant for person having special interest .
5. So some courts should be provided 2 sqm/ person including overflow space along long wall or back wall.

LIFT

Standard Dimensions & Reactions

Type	Model	Speed (m/min)	Clear Opening	CAR Internal	CAR External	Hoistway	Machine Room	Machine Room Reaction (Kg)	
								R1	R2
Standard	B750-2S	30	1100	1300 × 2300	1360 × 2530	2050 × 2850	2300 × 3500	5790	3450
	B750-2S	60						5900	3750
	B1000-2S	30	1200	1500 × 2500	1560 × 2730	2300 × 3050	2750 × 4000	6500	3700
	B1000-2S	60						6800	4100
Transfix	B750-2SD	30	1100	1300 × 2300	1360 × 2700	2050 × 3100	2300 × 3500	5790	3450
	B750-2SD	60						5900	3700
	B1000-2SD	30	1200	1500 × 2500	1560 × 2900	2400 × 3300	2750 × 4000	9300	3700
	B1000-2SD	60						9500	4100

STAIR CASE

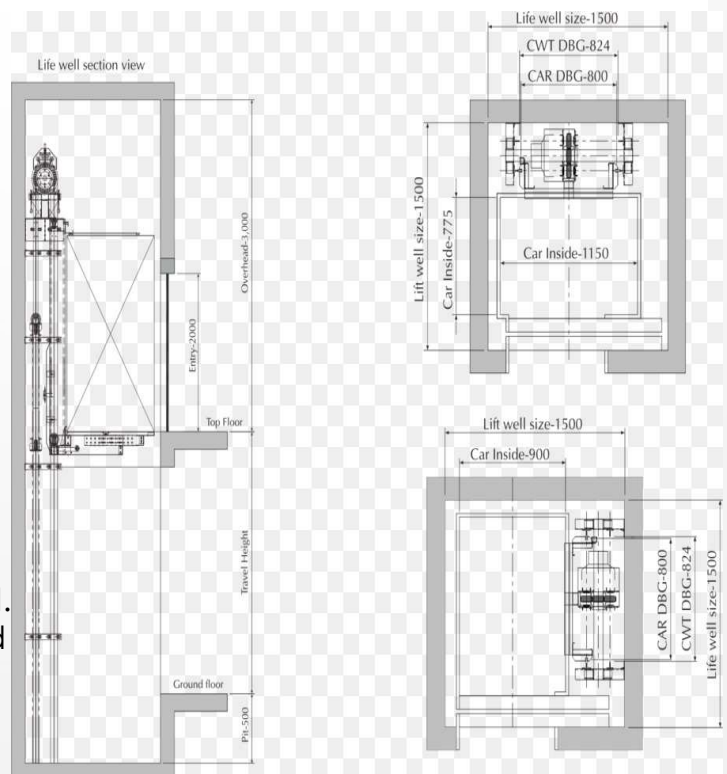
1. Minimum two stair case , should not 760 mt apart
2. Minimum width 1.2 m
3. Railing on both sides of flight
4. Should be well lighted and ventilated
5. Should not have flight more than 14 risers without landing
6. Should have slope 1:12
7. Properly lighted and ventilated should be fire proof.

RAMP

1. Slope should be at least 1:12 properly lighted and ventilated.
2. Non slippery acoustically good minimum width 1500 mm.

RETIRING ROOM

1. Provision 1 PER COURT
2. Unit area WITH ATTACHED TOILET = 28.7 SQM.



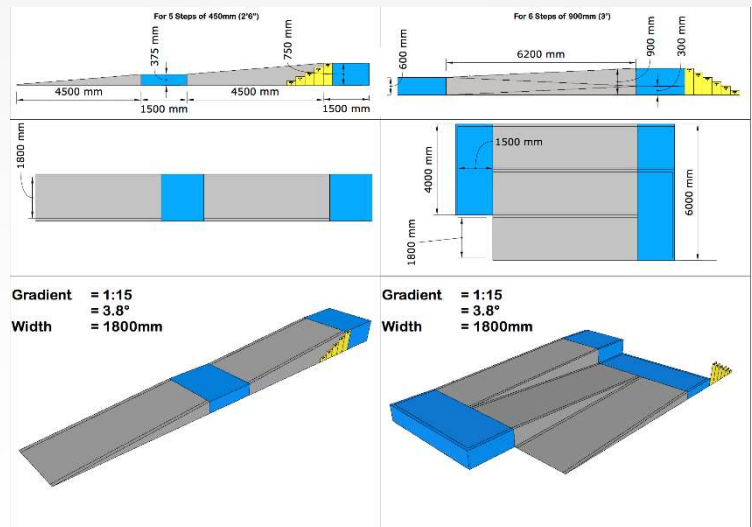
PARKING:-

1. Car parking 3 sqm/car
2. Total 1000 sqm/300 car
3. Scooter 0.08 Sqm/ scooters
= 80 /1000 scooters
4. Cycle 0.06 sqm cycle = 60/1000 cycle.



STANDARDS FOR UNDERGROUND PARKING

1. Access drive width
2. Minimum width -18' for 2 way travel and 9' for one way
3. Maximum width-24'
- Entrance/ exit curb -cuts -
minimum 10' radius curb return
Minimum parking staff size within
underground parking facilities
9'x18'
4. Minimum height clearance- 1'

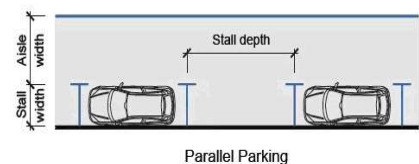
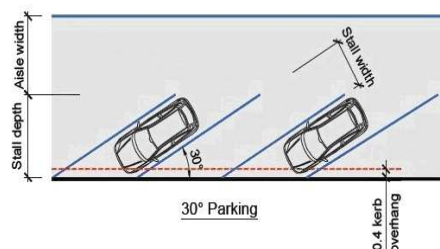
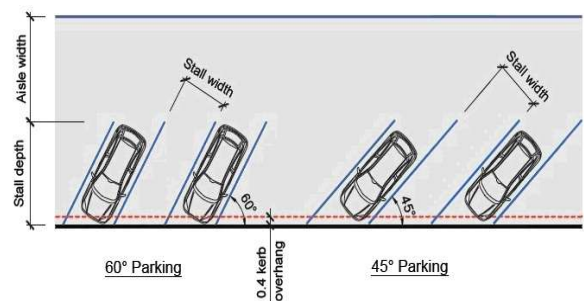
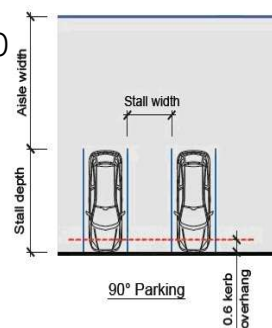
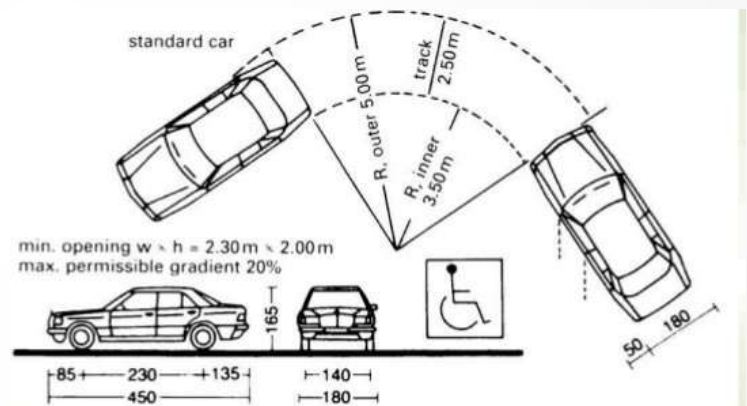


UTILITY BLOCK

1. hospital
2. public toilet
3. photocopy
4. shops
5. bank
6. atm
7. crpf room
8. mediation rm.

RESTAURANTS

1. Size are based on
number of people /sqm,
circulation
one requires table of 60
cm wide and 40 cm
deep.
2. The minimum of
escape route is 1.00
m/150 people .
3. Area required per
person is 2 m.sq.



SITE STUDY

INTRODUCTION

- ❑ Dehradun is located in the Doon Valley on the foothills of the Himalayas nestled between the river Ganges on the east and the river Yamuna on the west.
- ❑ The city is famous for its picturesque landscape and slightly milder climate and provides a gateway to the surrounding region.
- ❑ It is well connected and in proximity to Himalayan tourist destinations such as Mussoorie, and Auli and the Hindu holy cities of Haridwar and Rishikesh along with the Himalayan pilgrimage circuit of Chota Char
- ❑ The construction of district court complex is proposed at Village-Uddiwala Karanpur, Pargana-Central Doon, Haridwar Road, Tehsil & District- Dehradun, Uttarakhand.
- ❑ The developer of the project is National Buildings Construction Corporation. The Land use of project site is in conformity with Dehradun Master Plan.

SITE LOCATION

- ❑ The district court complex is proposed at Village-Uddiwala Karanpur, Pargana-Central Doon, Haridwar Road, Tehsil & District- Dehradun, Uttarakhand. The developer of the project is National Buildings Construction Corporation. The Land use of project site is in conformity with Dehradun Master Plan.

DEHRADUN HILL



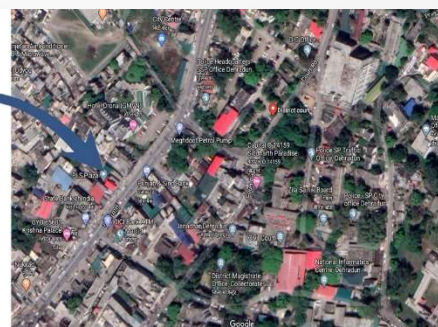
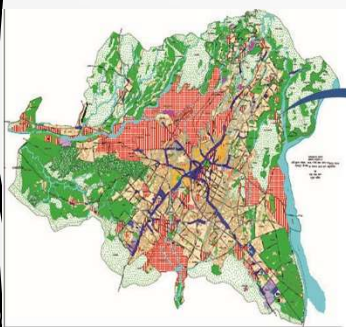
SITE SURROUNDING

- ❑ Project site is located at Village-Uddiwala Karanpur, Pargana-Central Doon, Haridwar Road, Tehsil & District- Dehradun, Uttarakhand.
- ❑ The location coordinate of project site are 280 25' 57.09" N and 770 30' 14.72" E. The Project site is well connected to the Major National highways NH-72 and NH-72A, which is at the distance of about 150 m, N and 1.4 km, W from the project site.
- ❑ Nearest Air Port is Jolly Grant Airport which is about 27.0 Km.



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BOUNDRIES:

Dehradun is located in the Doon Valley on the foothills of the Himalayas nestled between the river Ganges on the east and the river Yamuna on the west.

- ☐ EAST: OTHER GOVERNMENT PROPERTY
- ☐ WEST: COMMERCIAL COMPLEX
- ☐ SOUTH: OTHER PROPERTY
- ☐ NORTH: HARIDWAR Master Plan.



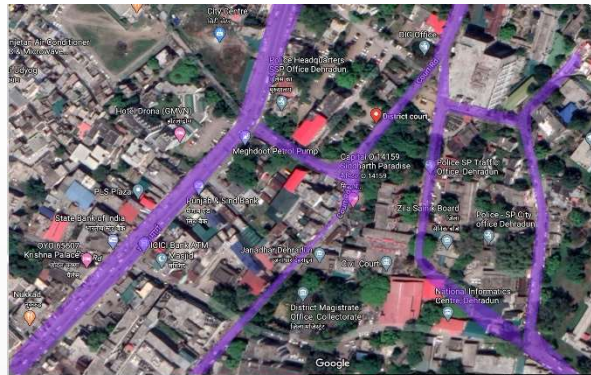
SURROUNDING OF THE PROJECT SITE

- ☐ **NEAREST NATIONAL HIGHWAY:** NH 72 - .15 KM North NH 72A - 1.4 KM West
- ☐ **AIRPORT:** Jolly Grant Airport: 27 Km, SE
- ☐ **RAILWAY STATION:** Dehradun Railway Station: 750 m, W.
- ☐ **NEAREST TOWN/CITY:** Dehradun-1.0 km
- ☐ **River Body:** Song river : 7.1 km, E
- ☐ **National Parks:** Raja Ji National Park : 7.0 km, SW
- ☐ **State Boundary:** UP-Uttarakhand Border : 13 km, SW
- ☐ **Seismicity:** The study area falls under Seismic Zone-IV



SITE CONNECTIVITY

- ☐ The Project site is well connected to the Major National highways NH-72 and NH72A, which is at the distance of about 150 m, N and 1.4 km, W from the project site. Almost all the surrounding and
- ☐ nearby areas are connected with network of roads. Dehradun Railway Station is around 750 meter in West direction.



ROAD NETWORK



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SOIL OF SITE:

SOIL TYPE: alluvial soil

SOIL CAPACITY:

- ❑ Dehradun and other plains areas of Uttarakhand see almost as much rainfall as coastal Maharashtra and more than Assam.
- ❑ Agriculture benefits from fertile alluvial soil, adequate drainage and plentiful rain.



SOIL OF SITE



D E H R A D U N C I T Y

SEWAGE AREA

- ❑ SEWAGE PLANT PROVIDED 2.5 DISTANCE FROM SITE & DRAINAGE POLES PROVIDED ON SITE.

ELECTRICITY

- ❑ TRANSFORMER PLACED AT DISTANCE 1 KM.



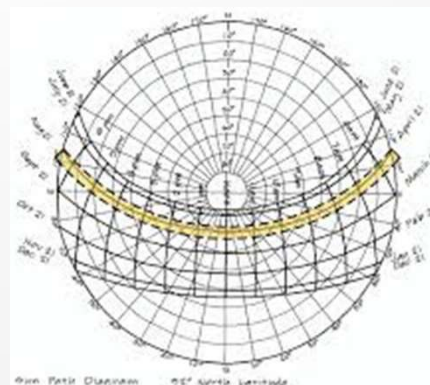
WATER SUPPLY

- ❑ The water supply for the proposed project during operation phase will be sourced from water supply department of Dehradun. The total water demand works out to approximately 298 KLD.
- ❑ After recycling and reuse of 236 KLD treated water, the net fresh water requirement will be 62 KLD, which works out to 21.34% of estimated total water demand..



CLIMATE

- ❑ The climate of Dehradun is humid subtropical.
- ❑ Summer temperatures can reach up to 44 °C for a few days and a hot wind called Loo blows over North India. Winter temperatures are usually between 1 and 20 °C and fog is quite common in winters like plains. Although the temperature in Dehradun can reach below freezing during severe cold snaps, [24] this is not common. During the monsoon season, there is often heavy and protracted rainfall. Dehradun and other plains areas of Uttarakhand see almost as much rainfall as coastal Maharashtra and more than Assam. Agriculture benefits from fertile alluvial soil, adequate drainage and plentiful rain.



SUN PATH DIAGRAM

Climate data for Dehradun (2001-2019, extremes 2001-2020)													[hide]
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Record high °C (°F)	28.6 (83.5)	31.2 (88.2)	37.2 (99.0)	40.8 (105.4)	43.1 (109.6)	43.9 (111.0)	40.6 (105.1)	37.2 (99.0)	36.6 (97.9)	36.1 (97.0)	30.6 (87.1)	27.4 (81.3)	43.1 (109.6)
Average high °C (°F)	19.8 (67.6)	22.1 (71.8)	26.8 (80.2)	32.3 (90.1)	34.8 (94.6)	34.2 (93.6)	30.7 (87.3)	30.0 (86.0)	29.9 (85.8)	28.8 (83.8)	25.3 (77.5)	21.5 (70.7)	28.0 (82.4)
Average low °C (°F)	6.2 (43.2)	8.4 (47.1)	12.5 (54.5)	16.8 (62.2)	20.6 (69.1)	22.7 (72.9)	23.1 (73.6)	22.6 (72.7)	20.8 (69.4)	15.6 (60.1)	10.8 (51.4)	7.2 (45.0)	15.6 (60.1)
Record low °C (°F)	-1.1 (30.0)	-1.1 (30.0)	2.2 (36.0)	7.2 (45.0)	11.3 (52.3)	13.1 (55.6)	13.2 (55.8)	18.0 (64.4)	14.3 (57.7)	8.4 (47.1)	2.8 (37.0)	0.0 (32.0)	-1.1 (30.0)
Average rainfall mm (inches)	41.5 (1.63)	58.2 (2.29)	53.1 (2.09)	34.5 (1.36)	61.5 (2.42)	231.7 (9.12)	642.5 (25.30)	686.4 (27.02)	298.3 (11.74)	44.4 (1.75)	7.7 (0.30)	23.8 (0.94)	2183.5 (85.96)
Average rainy days	2.9	3.9	3.6	2.9	4.5	9.6	20.5	21.5	11.9	2.2	0.5	1.5	85.7
Average relative humidity (%) (at 17:30 IST)	65	56	45	34	37	53	78	82	76	65	67	69	61



DEHRADUN CITY

VEGETATION

SN	Botanical Name	Common Name
1	<i>Ficus Infectoria</i>	Pakur
2	<i>Delonix regia</i>	Gulmohur
3	<i>Cassia fistula</i>	Amaltas
4	<i>Azadirachtha Indica</i>	Neem
5	<i>Peltophorum ferrugineum</i>	Copper pod
6	<i>Ficus retusa</i>	Usha
7	<i>Astonia Scholaris</i>	Scholar tree
8	<i>Thespesia populnea</i>	Paras Pipal
9	<i>Churasia tabularis</i>	Chukrasia
10	<i>Anthocephalus cadamba</i>	Kadamba
11	<i>Jacaranda mimosifolia</i>	Jacaranda
12	<i>Mimusops Elengi</i>	Maulsari

CASE STUDY 1

HIGH COURT AT LUCKNOW



INTRODUCTION

- ❑ The new Lucknow HC enjoys a very large site, which provides for great opportunities.
- ❑ The absence of area restrictions (as permissible total builtup is far greater than the actual project requirements) along with no height restrictions create a good setting for impressive and iconic architecture.
- ❑ This could be the opportunity to design a court block which could set precedents for the future.

- ❑ **TYPE OF PROJECT:** LAW COURT
- ❑ **LOCATION:** LUCKNOW
- ❑ **ARCHITECT:** NIRMAL NIGAM
- ❑ **CLIENT:**
- ❑ **SITE AREA:** 40 ACRE.
- ❑ **GROUND COVERAGE AREA:** 35 %
- ❑ **HEIGHT:** 17.5 M.
- ❑ **TOTAL BLOCKS:** 4 NOS.
- ❑ **NO. OF COURTROOM:** 84.
- ❑ **PARKING:** 1800 CARS.
- ❑ **YEAR:** 2016.

SITE LOCATION

- ❑ DISTRICT COURT OF SOUTH AND SOUTH EAST DISTRICT.
- ❑ LOCATION AT SAKET , NEW DELHI AT PRESS ENCLAVE ROAD NEAR PUSHP VIAH.
- ❑ APPROACHABLE FROM TWO SIDES.

SITE ACCESSIBILITY

- ❑ **RAILWAY STATION:** One can reach HIGH COURT LUCKNOW by reaching at GOMTI NAGAR Railway Stations which are located just at a distance of about 4 Kilometers.
- ❑ **Metro STATION:** INDIRA Nagar metro station is just situated at a distance of about 1 Kilometers from HIGH COURT LUCKNOW

SITE SURROUNDINGS



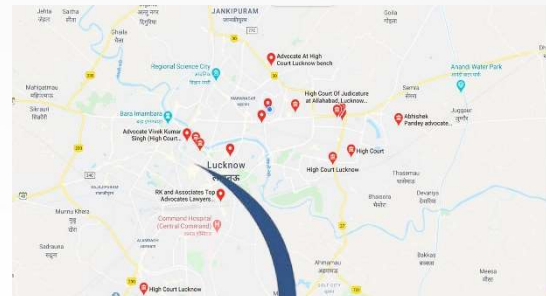
INDIRA NAGAR METRO STATION



CENEPOLISE MALL



AMBEDKAR PARK



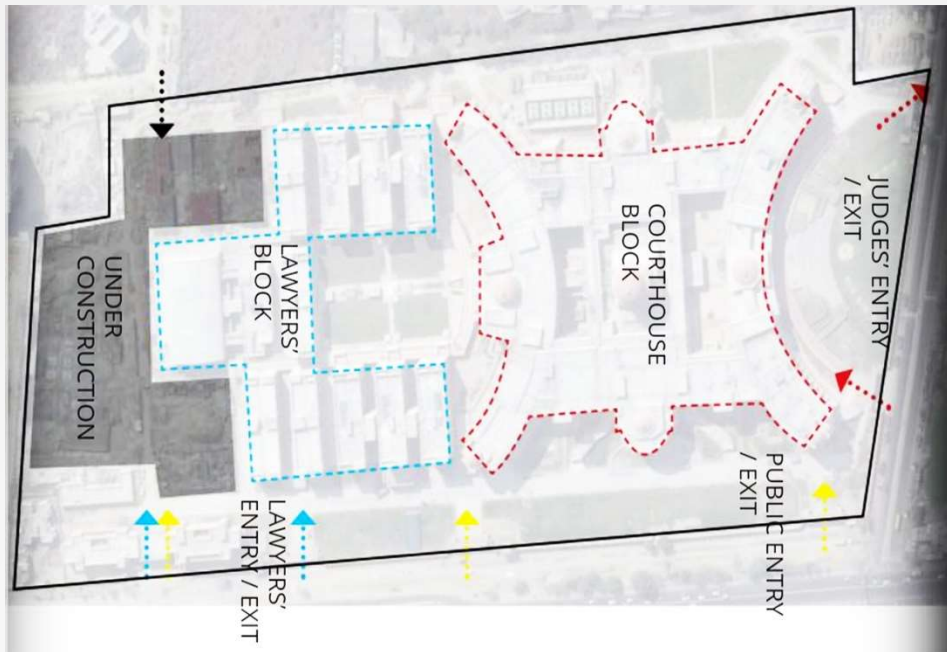
LOCATION OF HIGH COURT LUCKNOW



SITE OF HIGH COURT LUCKNOW



HIGH COURT LUCKNOW



SITE PLAN OF HIGH COURT

SERVICES

ELECTRICITY:

- ❑ AVERAGE ELECTRICITY IS REQUIRED 10-12 KV.
- ❑ 2 NOS. 3200 EACH DC IS PROVIDED IN THE BASEMENT- 2
- ❑ ONE POWER TO THE BANQUET HALL & RESTAURANT OTHER FOR THE SUITES.

WATER:

- ❑ WATER TANK CAPACITY FOR THE ENTIRE COURT 120000 LTR. TANK IS PLACED IN THE GROUND FLOOR 4 NOS.
- ❑ FIRE TANK EACH HAS 90KL TANK CAPACITY. IT IS ALSO PROVIDED IN THE BASEMENT .2 NOS.
- ❑ TREATMENT TANK HAVING A CAPACITY 150 KL EACH TOTAL AREA OF R/O PLANT ROOM 108 SQMT APPROX. 60KL RAIN WATER HARVESTING.

AHU CHILLER:

- ❑ 3 NOS. AHU IS PROVIDED FOR THE COURT & 4 NOS. FOR THE CONCORD HALL.
- ❑ EACH SERVICE HAS A SEPARATE A.H.U. LOCATION OF A.H.U. AT SERVICE FLOOR BETWEEN GROUND FLOOR & FIRST FLOOR & 2550 MM HEIGHT. 3 NOS. CHILLER IN THE BASEMENT LEVEL



❑ **AIRPORT:** DISTANCE ABOUT 24 KM CHAUDHARY CHARAN SIH AIRPORT.

❑ **BUS TERMINAL:** 500 M. AVADH TERMINAL.

CLIMATE

COMPOSITE CLIMATE

- ❑ COMPOSITE CLIMATE:
- ❑ Lucknow has a humid subtropical climate (Cwa) with cool, dry winters from mid-November to February and dry, hot summers with sunshine from March to mid-May.
- ❑ Half of the rainfall occurs from June to October when the city gets an average rainfall of 896.2 millimetres (35.28 in) from the southwest monsoon winds, and occasionally frontal rainfall from the northeast monsoon will occur in January. In winter the maximum temperature is around 25 °C (77 °F) and the minimum is in the 3 °C (37 °F) to 7 °C (45 °F) range.
- ❑ Fog is quite common from mid-December to late January.
- ❑ Occasionally, Lucknow experiences colder winter spells than places like Shimla and Mussoorie which are situated way high up in the Himalayas.

CONCEPT

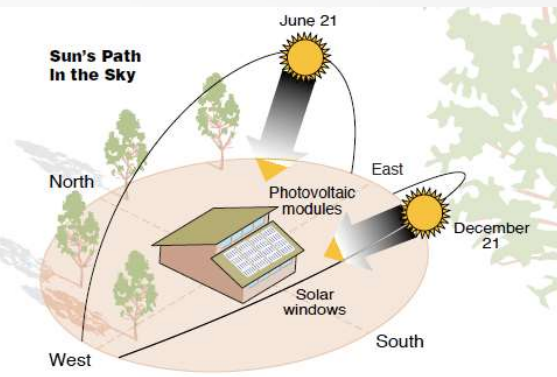
- ❑ HIGH COURT LUCKNOW IS FOLLOW "ENERGY CONSERVATION".
- ❑ Energy conservation is the effort made to reduce the consumption of energy by using less of an energy service.
- ❑ This can be achieved either by using energy more efficiently (using less energy for a constant service) or by reducing the amount of service used (for example, by driving less).
- ❑ Energy conservation is a part of the concept of Eco-sufficiency.

SITE PLAN

- ❑ Litigants are to enter the court premises from Gate no. 08.

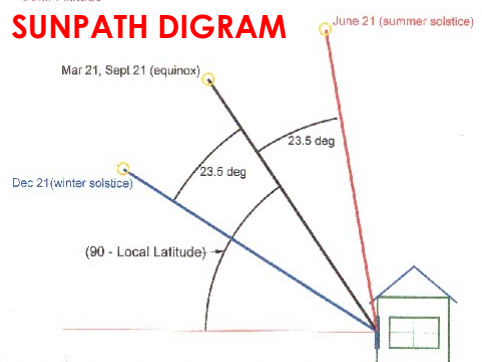
In view of security measures, AND JUDGE AND LAWYERS ENTRY GATE NO. 06 AND 07.

In view of security measures, the litigants will have to undergo manual frisking and their belongings would have to be screened through baggage scanner machines installed at the entry gates.

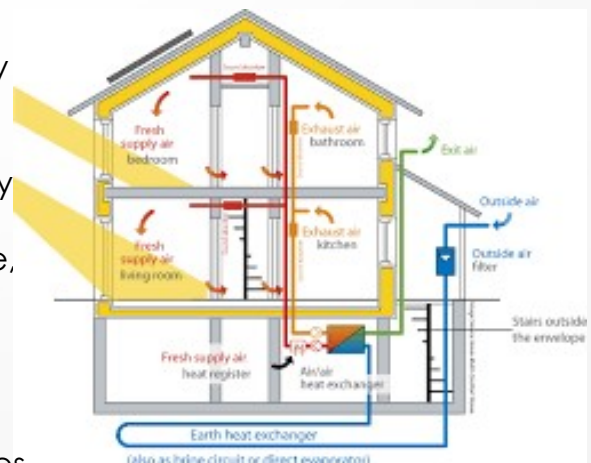


Solar Altitude

SUNPATH DIGRAM

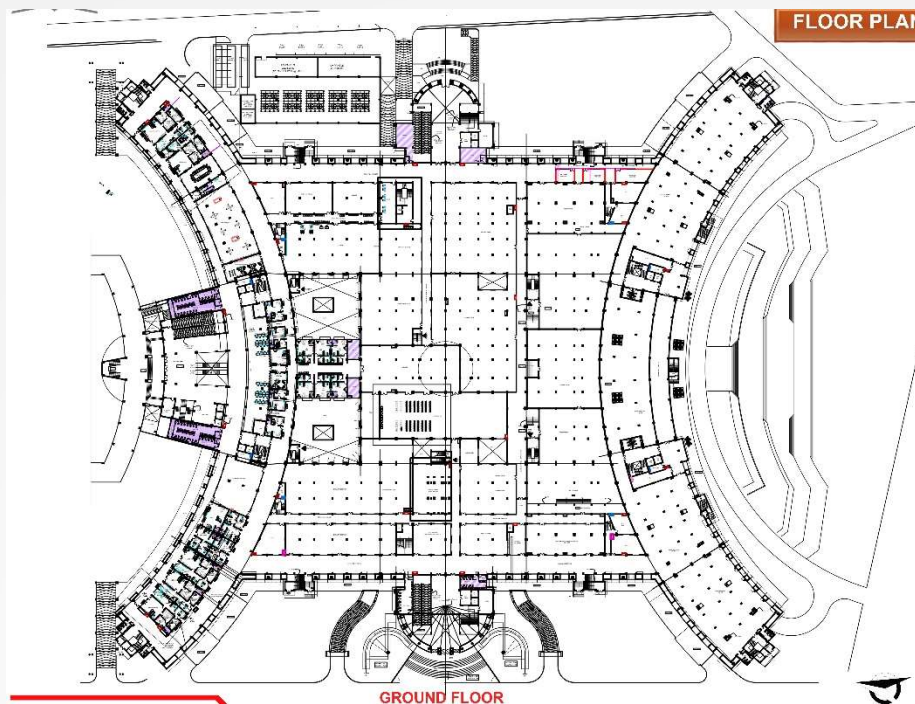


SUN ANGLE



ENERGY CONSERVATION FEATURE

FLOOR PLANS



COURT:

- ❑ Two Courts have been set up adjacent to the Court Complex at the First Floor and the Second Floor.

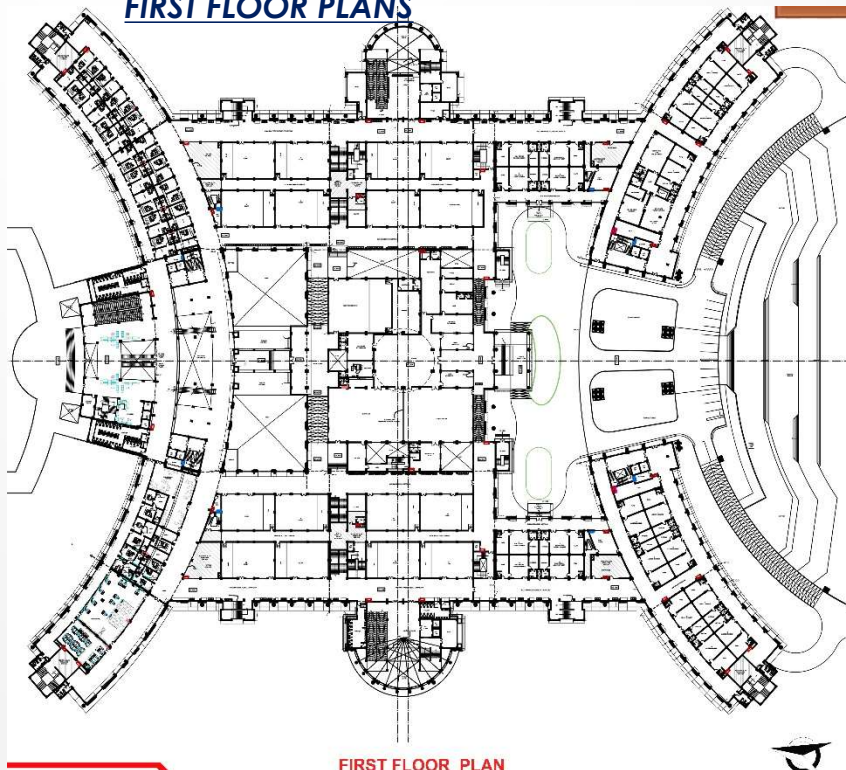
- ❑ Special Rooms have been provided in the Family Court at New Delhi District keeping in view the basic needs and requirement of the children who come with their parents to attend the proceedings.

REQUIRMENT OF GROUND FLOOR PLAN

- ❑ 1). 24 NOS. OFFICES
- ❑ 2). WAITING AREA
- ❑ 3). PUBLIC LOBBY
- ❑ 4). 2 NOS. RECORD ROOM
- ❑ 5). 2 NOS. JUDGES CHAMBERS WITH ATTACHED TOILET
- ❑ 6). 84 NOS. COURTROOM
- ❑ 7). TOILET EVERY FLOORS
- ❑ 8). CONFRENCE ROOM
- ❑ 9). 2 STAIRCASE
- ❑ 10). 2 NOS. LIFT EVERY FLOOR
- ❑ 11). BOARD MEMBERS ROOM
- ❑ 12). MUSIUM
- ❑ 13). LIBRARY



FIRST FLOOR PLANS

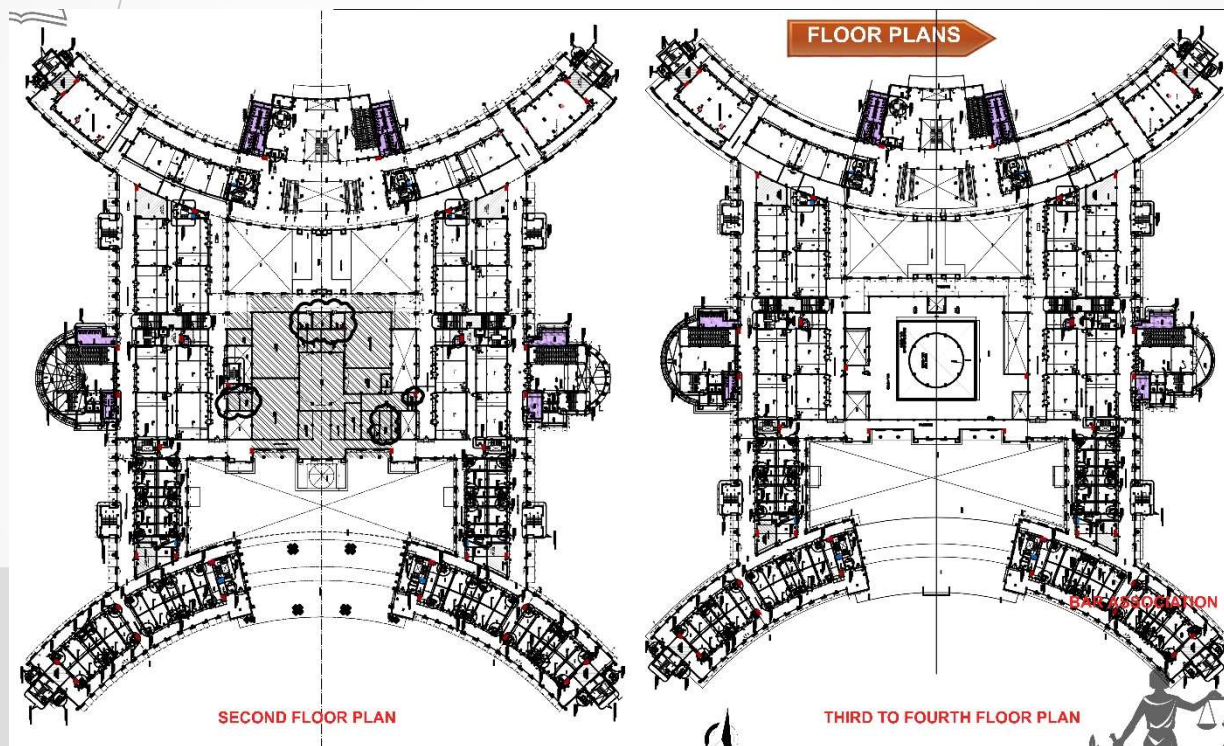


REQUIRMENT OF FIRST FLOOR PLAN

- ☐ 1). VIDEO CONFERENCING
- ☐ 2). CASH BRANCH
- ☐ 3). NAZARAT BRANCH
- ☐ 4). ACCOUNTS BRANCH
- ☐ 5). GENERAL BRANCH
- ☐ 6). ADMINISTRATION BRANCH
- ☐ 7). R&I BRANCH
- ☐ 8). RECORD ROOMS (Sessions)
- ☐ 9). COMPUTER BRANCH
- ☐ 10). CARE TAKING BRANCH
- ☐ 11). COPYING AGENCY
- ☐ 12). LIBRARY
- ☐ 13). COURT ROOM 12 NOS
- ☐ 14). JUDGE DINNING AREA
- ☐ 15). LAWYERS CHAMBERS
- ☐ 16). TOILET
- ☐ 17). OFFICES



TYPICAL FLOOR PLANS



AUDITORIUM



CEILING OF JUDGE CORRIDOR



BAR ASSOCIATION

CASE STUDY2

SAKET DISTRICT COURT

CRITERIA OF SELECTION

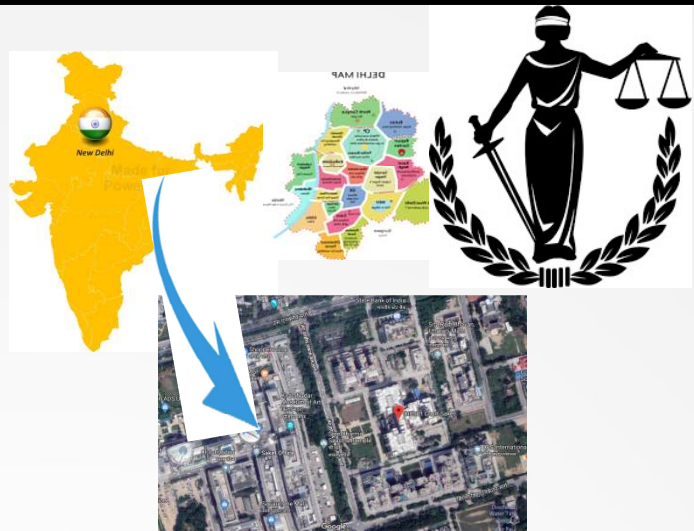
1. Similar function
2. Similar climatic condition
3. Modern operational district court
4. Largest district court in india
5. Year of completion

.LOCATION

- SAKET, NEW DELHI
2. District court of south and south east district is located at saket, new delhi at press enclave road near pushp vihar
 3. one can access to the district court by public mode of transport like metro (by alighting at malviya nagar, metro station) bus ,auto taxi,etc

SITE DETAIL

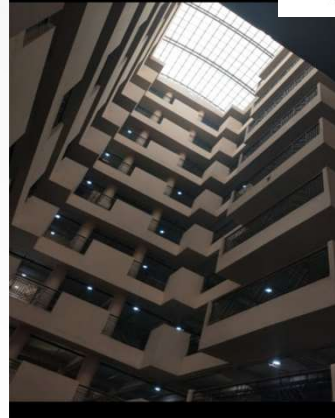
1. SITE AREA - 68000SQ MT
2. TOTAL BUILT-UP AREA - 106000 SQMT
3. PARKING- GROUND, UPPER BASEMENT LOWER BASEMENT
4. ECS - 1172 TOTAL ,
373 - SURFACE
799 - UNDERGROUND
5. GREEN COVER - 78% OF NON-BUILT UP AREA



CONCEPT AND FEATURES OF SAKET DISTRICT COURT

1. The basic design concept provide for the judges's chamber on separate floor sandwiched between two court room floors.
2. The court complex has a separate administrative block.
3. Lower chamber block is an independent structure in the complex
4. A separate utility block is made with all amenities
5. At the present there are 81 court rooms out of which 68 court are functional
6. Family court is not a part of the complex
7. lockups for the prisoners is attached to court block with separate entry.
8. 128 residential houses for judicial officers.

1. Located in Saket, New Delhi - 110017 covering an area of 17 acres.
2. Centrally air conditioned
3. The judges' chambers are located on 1st, 4th & 6th floor and the court rooms are located on ground, second, third, fifth and seventh floor
4. Each court is attached with an alhmad room
5. CCTV cameras have been installed in the court premises.
6. At present there are 81 court rooms available at Saket court complex, out of which 68 courts are functional



- UNDERGROUND WATER STORAGE TANK OF 2 LAKH LITRES CAPACITY
- ONE OVER HEAD WATER STORAGE TANK OF 20,000 LITRES CAPACITY
- FIRE LIFT
- WET RISER SYSTEM
- HOSE REEL
- HOSE BOX
- FIRE ALARM SYSTEM



- PORTAABLE FIRE EXTINGUISHER

- Ramps for handicapped
- Seperate satirs and Lifts for judges
- Two-level parking under advocate block and admin block while single level parking under court for public.

LIFTS - 11 for judges capacity - 6
06 for public capacity - 22
02 for advocate capacity-18

STAIRCASES - 9 for judges
6 for public
3 for advocates

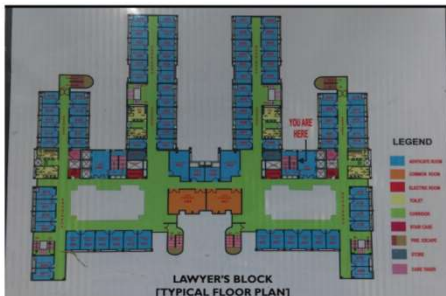


ADMIN BLOCK

- ◆ It is a seven storied building attached to the court block.
- ◆ Cash branch , nazrat branch, general , account, admin, offices
- ◆ computer branch, record room, RTI branch , care taking branch,
- ◆ copying agency
- ◆ Library for judges is on the first floor.



MAPPING

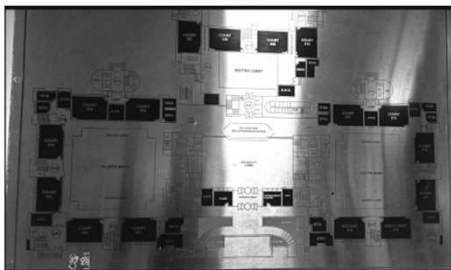


APPROXIMATE AREA - 3500SQMT
HEIGHT - 31.5M
NO.OF FLOORS - G+8
NO.OF LAWYER CHAMBER - 700 APPROX
86 PER FLOOR

CORE :
◆ STAIRCASES - 10 (INCLUDING 4 FIRE ESCAPE)
◆ LIFTS - 6
TOILETS - 4 MEN
- 4 WOMENS



LAWYER'S BLOCK



COURTROOMS PLUS JUDGE'S CHAMBER (GROUND FLOOR PLAN)

APPROXIMATE AREA - 8500 SQMT
HEIGHT - 31.5M
NO. OF FLOORS - G+8
-2 BASEMENTS
NO. OF COURT ROOMS - 16
CORE -

◆ STAIRCASES - 21
LIFTS - 12
TOILETS - 6 MEN
-6 WOMEN
ADMIN OFFICES - 6



INTERIOR VIEW FROM COURTROOM BUILDING



INTERIOR VIEW FROM COURTROOM BUILDING



COURTROOM BUILDING



INTERIOR VIEW FROM COURTROOM BUILDING

JUDICIAL PROCEDURE :



LITIGANT'S APPEAL
ON JUDICIAL STAMP

DEPOSITE IN PE-
TITION BOX

APPLICATION
CHECKRD BY
READER

DECIDE THE BENCH
FOR CASE

FORWARD TO DIS-
TRICT JUDGES

STAMPED BY SU-
PERINTENDENT

CASE ASSIGNED
AND CONVENED

SENT BACK TO
FILLING BRANCH

LIST OF CASES &
DATE OF HEARING

ENTER IT IN HIS
RECORD

CASE SENT TO
READER

DISPLAYED ON
NOTICE BOARD

SENT TO JUDGE
RESIDENCE PRIOR
TO HEARING

FAMILY COURT

- ◆ Family court is an independent structure outside of the premises
- ◆ Special rooms have been provided keeping in view the basic needs of the childrens who come with their parents to attend the proceedings



ADMIN BLOCK

- ◆ It is a seven storied building attached to the court block.
- ◆ Cash branch , nazrat branch,general ,account, admin,offices
- ◆ computer branch, record room, RTI branch , care taking branch,
- ◆ copying agency
- ◆ Library for judges is on the first floor.



FAMILY COURT AND ITS INTERIOR VIEW

ADVOCATE CHAMBER BLOCK

- ◆ 9 Storied building
- ◆ 700 rooms for advocate
- ◆ Ground floor has bar offices conferences room for 15 people,
- ◆ public and advocate canteen,kitchen and a store.
- ◆ Stamp vendors occupied the courtyard.
- ◆ Library and e-library is on the ground floor.
- ◆ Advocate chamber are made on upper floors with window A.C.

Here are some photographs to show how the registries of courts are getting drowned in paper files:-



Photograph of the room where portfolios of electronic files are prepared



ADVOCATE
CHAMBER



MEDITATION ROOM

LOCATION

It is the district court of the south-west district.
Located right next to the sector-10 metro station in the delhi suburb of dwarka.

Approachable from two sides

Surrounded by apartments on two side.

ABOUT PROJECT :

NAME : DISTRICT COURT AT DWARKA, NEW DELHI-110045

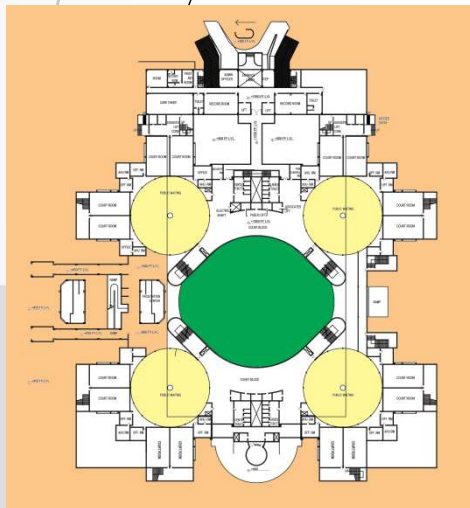
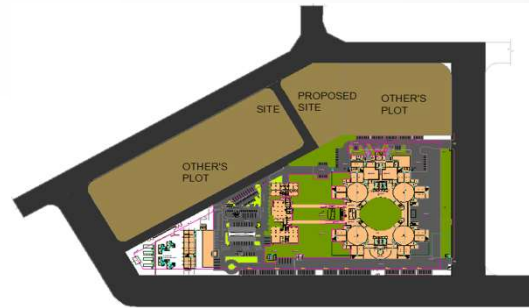
CLIENT : Executive engineer,
Building project division B-132
Public works department (PWD)
(GNC TD) PS Debrai complex,
New delhi - 110045

NATURE OF WORK : It is a multistorey building with basement,
parking and ground+seven floors.It is a high tect building

PROJECT COST : Rs 217.00 crores

TOTAL BUILTUP : 1,08,586.00 Sqmt

DATE OF COMPLETION : 19-10-2008



CONCEPT AND FEATURES

The basic design concept provides for the judge's chamber on separate and exclusive floors sandwiched between two court room floors

Complex is a sensible blend of practically and the futuristic.

The court complex has a admin block connected to the court rooms at certain levels.

Lawyers Chambers Block is an independent structure in the complex

At present there are 64 court rooms available at Dwarka court complex.

Family court and meditation room and various other branches

Lookups for the prisoners is an independent units in the campus guarded by police.



COURT BLOCK

The court block can be approached from 2 sides by the public and from one side by the lawyers. Front entrance is closed and not in use. The entrance leads to the courtyard.

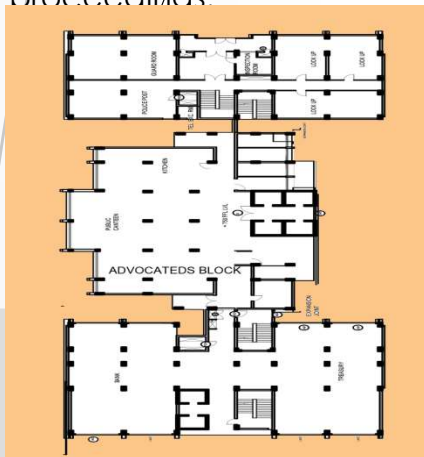
It has seating built in stone with a truss over the top

The court block has four wings ABCD, with two in one block, connected by ramps and bridges on each floor.

Large waiting areas are provided in front of the court rooms for seating.

The two court buildings are connected by bridges and ramps on each floor with access on alternative floors for the public.

Family court has been set on the third floor in the 'A' and 'B' Wings. Special rooms have been provided keeping in view the basic needs of the children who come with their parents to attend the proceedings.



ADVOCATE CHAMBER

It can be approached directly from the first floor for the advocates

Ground floor has public and advocate canteen, kitchen and store

A Bank and post office is present for functioning

Library and e-library is on second floor. Separate male and female toilets are present

A staircase and 2 lifts are provided from basement parking to the first floor.

Set of staircase and 3 lifts are provided. Male and female bar room is provided for advocates who come from other places

Bar room along with conference room is provided to attend the issues of advocates. Advocate chamber is in upper floors



LOCK ROOM

It is a two stories structure, covered with iron grill for extra security.

It has rooms with attached toilets.

Ventilation with grill are provided at a height of 2800mm

No. of windows is provided



FACILITIES

Ramps for handicapped

Separate stairs and lifts for judges

4 staircases, 2m wide for public.

Less ventilation in staircases.

LIFTS- 06 for public capacity 18

04 for advocate capacity 10

Two level parking under advocates block

admin block while single level parking

under court for public.



CONSTRUCTION TECHNOLOGY

TRABEATED SYSTEM IS USED

USE OF MUSHROOM SLAB IN THE WAITING AREA

TRUSS ALSO FOR SEMICOVERING

IMPROPER JOINERY BETWEEN WALLS AND COLUMNS

LOOKS UNPLEASANT

SERVICES

Electrical supply-24X7 power supply backup by a generator.

Air conditioned courtroom, judges chamber were fully air conditioned.

Sewerage - disposal through sewer lines

Fire-fighting the building had good fire fighting system with

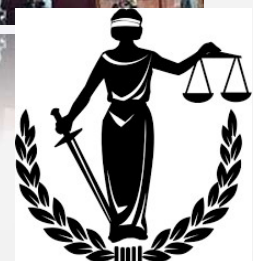
sprinklers placed all over at the distance of 3m fire

extinguishers placed near every court,

smoke detectors were also placed.



What I Learnt About The Legal Profession While Interning At The Dwarka Court Under An Advocate



LITERATURE STUDY

HAIFA COURT HOUSE, ISRAEL

INTRODUCTION

HAIFA IS THE MAIN NORTHERN CITY OF ISRAEL, SITUATED ON THE SHORE OF THE MEDITERRANEAN SEA, ON THE SLOPS OF MOUNT CARMEL.

THE BUILDING SITE IS LOCATED AT HAIFA'S DOWNTOWN AREA, BETWEEN TWO ROADS THAT DEFINE ITS BOUNDARY. THE LOWER AVENUE SERVES AS A MAIN CITY THOROUGHFARE, LINKING THE CITY OF HAIFA TO THE NORTHERN PART OF ISRAEL.

THE TOPOGRAPHICAL SITUATION IS UNIQUE AS THE TOPOGRAPHICAL SOARING OF MOUNT CARMEL BEGINS AT THE SITE'S LONGITUDE PARALLEL.

THE BUILDING IS TREATED AS AN ORGANISED "LOW FACTORY"

TYPE OF PROJECT: LAW COURT

LOCATION: ISRAEL

ARCHITECT: CHYUTIN ARCHITECTS

CLIENT: HAFIA KHAN

SITE AREA: 12000 SQM.

GROUND FLOOR AREA: 9000 SQM.

TOTAL BUILT UP: 50000 SQM.

FAR USED: 400%

HEIGHT: 40 M.

FLOOR COUNTS: 11 NOS.

NO. OF COURTROOM: 73.

PARKING: 1300 CARS.

YEAR: 2015.



SITE LOCATION

THE HAFIA COURT, IN THE NORTHWESTERN FRENCH REGION OF NORMANDY, ARE LOCATED IN THE CITY CENTER.

BOUNDRIES:

EAST: OTHER PROPERTY

WEST: COMMERCIAL COMPLEX

SOUTH: ROAD

NORTH: ROAD



FIGURE GROUND

THE FIGURE GROUND SHOWS A CLEAN INTENT OF THE ARCHITECT TO DESIGN A BUILDING WHICH SITES IN A GARDEN. THE SURROUNDING CONTEXT SHOWS A CONTRASTING PATTERNS WITH A MORE COARSE GRAINED AND FINE TEXTURED TYPOLOGY . THEY LACK CONSOLIDATED OPEN SPACE..



VIEW OF COURT

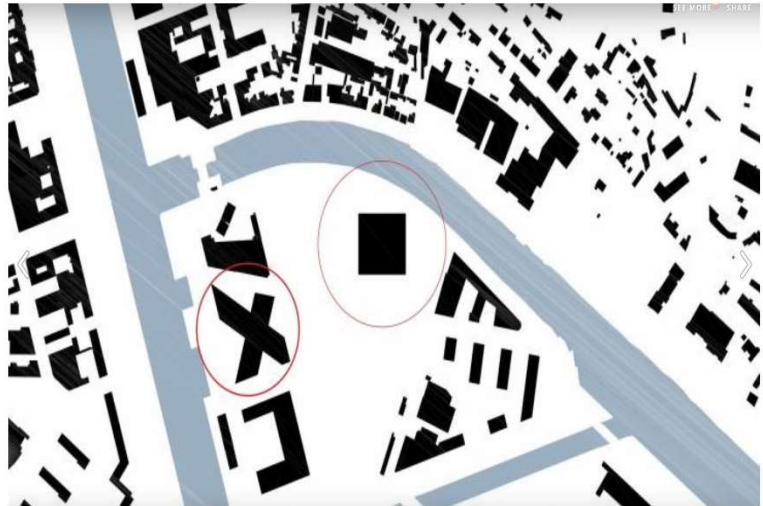


FIGURE GROUND



CONNECTIVITY

THE ACCESSIBILITY TO THE COURT IS CLEAN AND SIMPLE . IT HAS TWO MAIN ROADS ABUTTING THE SITE ON THE NORTH AND SOUTH SIDE . THE SOUTH SIDE ROAD , RUE DUMONT AVENUE IS THE MAIN PUBLIC APPROACH ROAD AND THE NORTH ROAD , PIERRE BRETHLOT AVENUE PROVIDE THE SECURED ACCESS TO THE JUDGES . THE SURROUNDING CONTEXT IS PREDOMINANTLY SOCIO CULTURE . THIS RINGS THE COURT HOUSE RIGHT AMONGST THE PUBLIC REALM AND HELPS WITH THE RECONNECTION OF THE PUBLIC WITH THE JUDICIARY.

A PUBLIC LIBRARY IS ALSO A PART OF THE SAME PROJECT.

THE CAEN CANAL WHICH RUNS ALONG THE NORTH EDGE OF THE SITE IS A VENUE FOR THE ANNUAL ROWING COMPETITION AND OTHER WATER RELATED SOCIAL EVENTS .

THE COURTS BUILDING BECOMES A BACKDROPS FOR THESE EVENTS , THUS MAKING IT AN INSEPARABLE PART OF THE FESTIVITY.



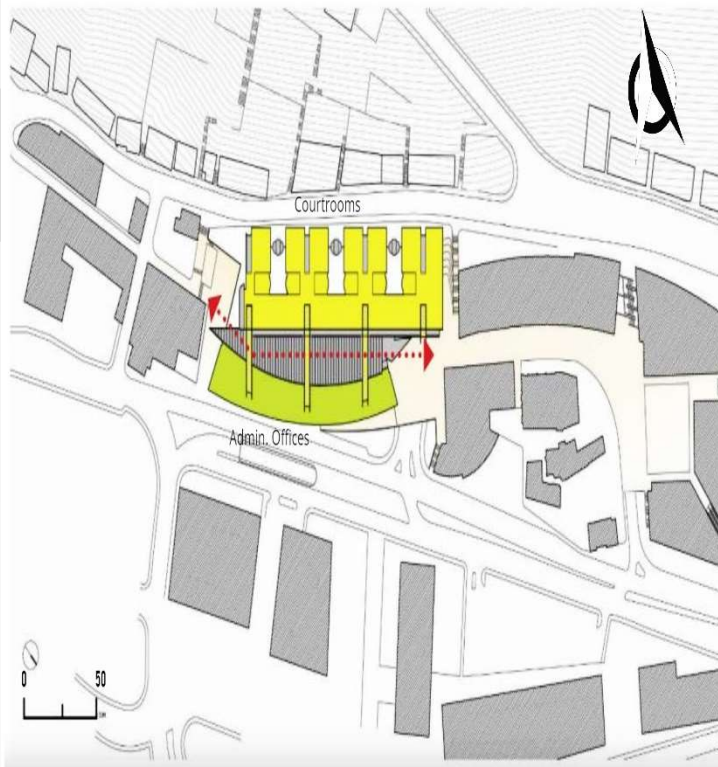
SITE PLANNING

- A CONSOLIDATED BUILT BLOCK PROVIDES A SUITABLE RESPONSE TO A SMALL SITE.
- THE CENTRAL PUBLIC THOROUGHFARE CONNECTING THE EAST AND THE WEST PLAZAS IS THE MAIN FEATURE OF THE DESIGN.
- THE REAR END (NEAR SIDE) IS RESERVED FOR THE SECURED ENTRY AND EXIT OF THE JUDGES.
- ITS CREATES AN ENCLOSED URBAN ENVIRONMENT WITHIN THE COURT BLOCK.
- BASEMENT PARKING HAS BEEN PROVIDED FOR ALL THE CARS COMING INTO THE SITE. THIS CAN HOWEVER POSE A SECURITY THREAT .
- THE PUBLIC THOROUGHFARE HAS THE COURT-ROOMS ON ONE SIDE AND THE ADMIN OFFICES ON THE OTHER .
- THE BUILDING SHOWS PROPER CLIMATIC RESPONSE IN THE WAY THAT THE LONGER WEST SIDE OF THE BUILDING CONSISTS OF VERY LESS OPENINGS. THIS REDUCES THE HEAT GAIN FOR THE BUILDING .
- ALSO, THE PUBLIC PLAZA FALLS ON THE MORE COMFORTABLE EAST SIDE.

PLANNING

INTERNAL PLANNING AND RELATIONSHIPS

- ALL INTERNAL PLANNING REVOLVES AROUND THE CENTRAL PUBLIC SPACE. IT IS DEVELOPED LIKE AN ENCLOSED URBAN PLAZA.

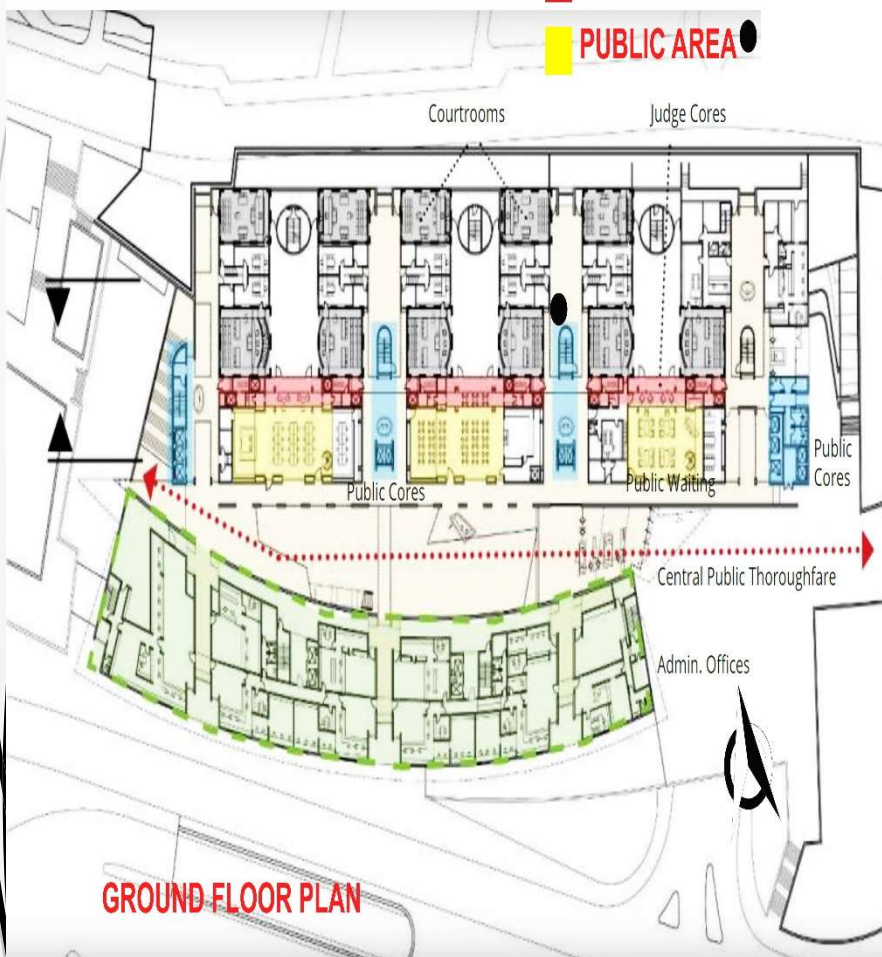


- ONE SIDE LIE THE COURTROOMS AND WAITING AREAS AND ON THE OTHER SIDE ARE THE ADMINISTRATIVE OFFICES.
- THE JUDGES' CHAMBERS LIE ON THE SUBORDINATE FLOORS ABOVE THE PUBLIC WAITING AREAS.
- CLOSE RELATIONSHIP BETWEEN THE JUDGES' CHAMBERS AND COURT-ROOM LOCK IS MAINTAINED IN ORDER TO SIMPLIFY CIRCULATION. HOWEVER, POINTS OF INTERSECTION BETWEEN THE TWO CIRCULATIONS CAN BE FOUND. THESE INTERSECTIONS CAN BE AVOIDED AND REGULATING PUBLIC MOVEMENT.

SITE PLAN OF CAEN LAW COURT

JUDGE AREA

PUBLIC AREA

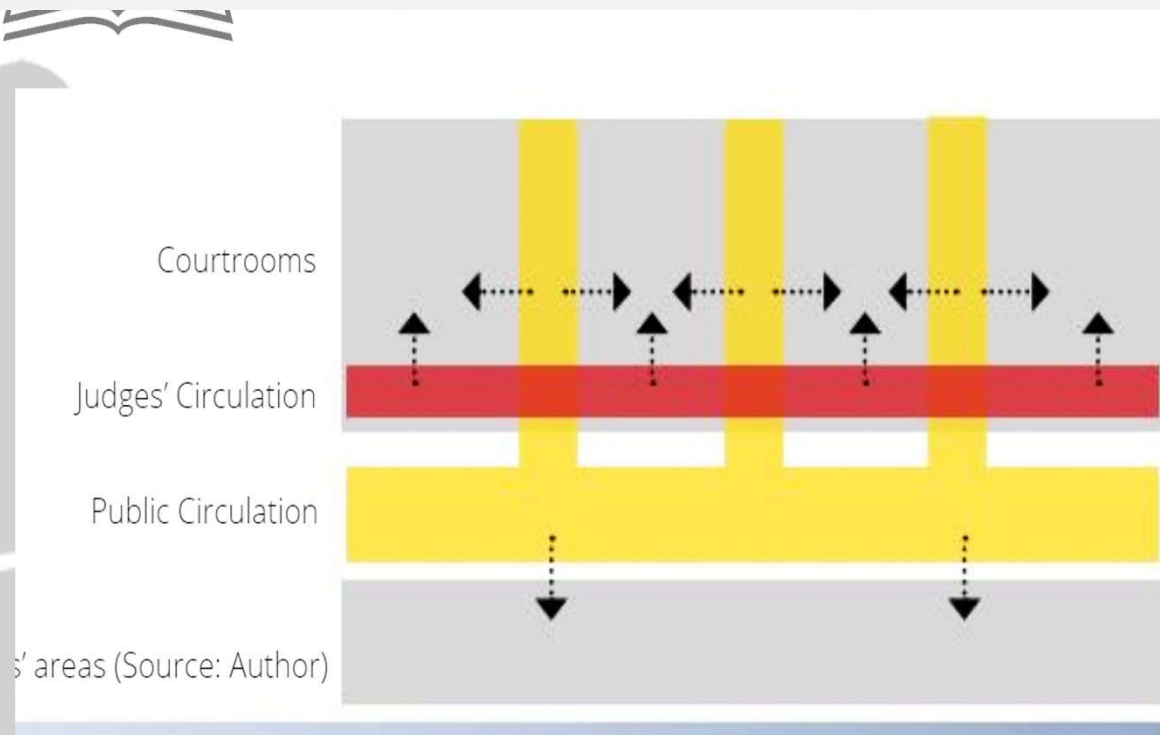


GROUND FLOOR PLAN

- JURY DELIBERATION ROOMS ARE PROVIDED BETWEEN A SET OF TWO COURTROOMS.

FROM THE ENTRANCE HALL ONE ENTERS THE GENERAL SERVICE ACTIVITY AREA INCLUDING THE LAW LIBRARY, A RESTAURANT AND THE JUDGES CLUB.





RELATION BETWEEN PUBLIC AREA ,COURTROOM & JUDGE AREA

PUBLIC AREA

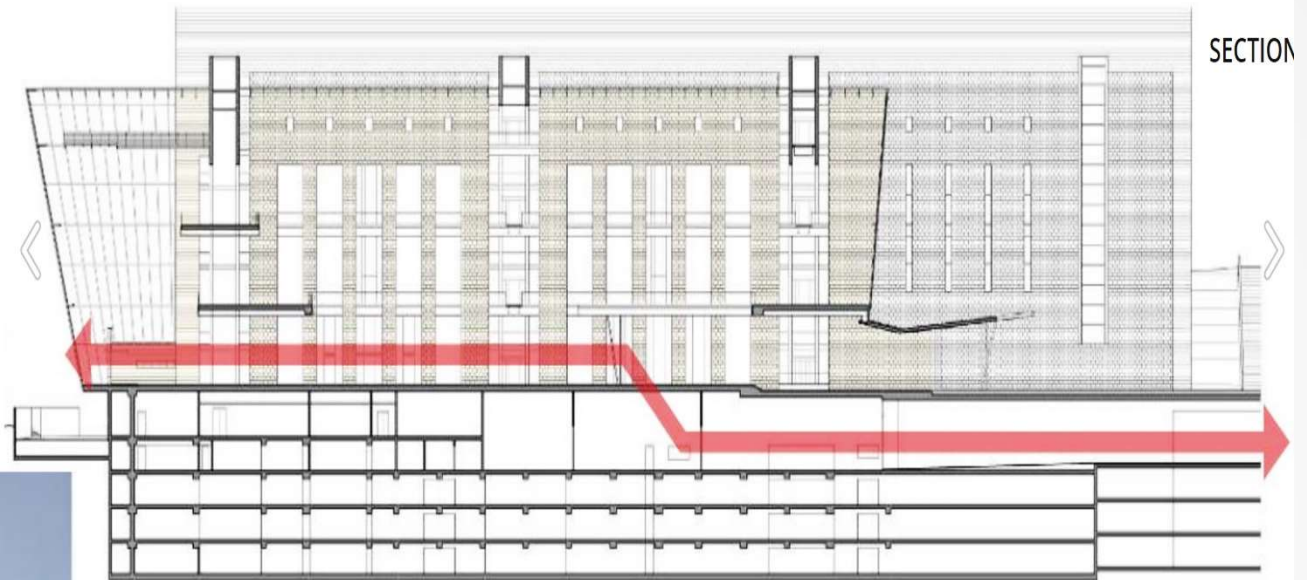
JUDGE AREA



SECTION ACROSS THE COURTROOM AND BASEMENT

THERE IS A MAJOR DIFFERENCE IN THE SCALE OF THIS PROJECT AND THE ONE AT HAND IN THIS THESIS . THERE IS ALSO A DIFFERENCE IN THE INSTITUTIONAL STRUCTURE OF BOTH THE COURT COMPLEXES. THE LACK OF ANY SORT OF LAWYERS BLOCK IS ONE OF THE MAJOR DIFFERENCES. HENCE THERE COULD BE NO STRONG LEARNINGS DERIVED IN THESE RESPECTS.

SECTION OF COURT



SECTION BB'

THE BUILDING HAS BEEN FORESEEN AND DEVELOPED AS AN ABODE OF LIGHT. NATURAL LIGHT HAS BEEN ALLOWED TO PENETRATE INTO ALL OF THE COURT-ROOMS .

A FLUSH OF NATURAL LIGHT ON ONE OF THE SIDE WALLS OF THE COURTROOM PROVIDE A UN-NERVING EXPERIENCE IN THESE AREAS.

CONCEPT:

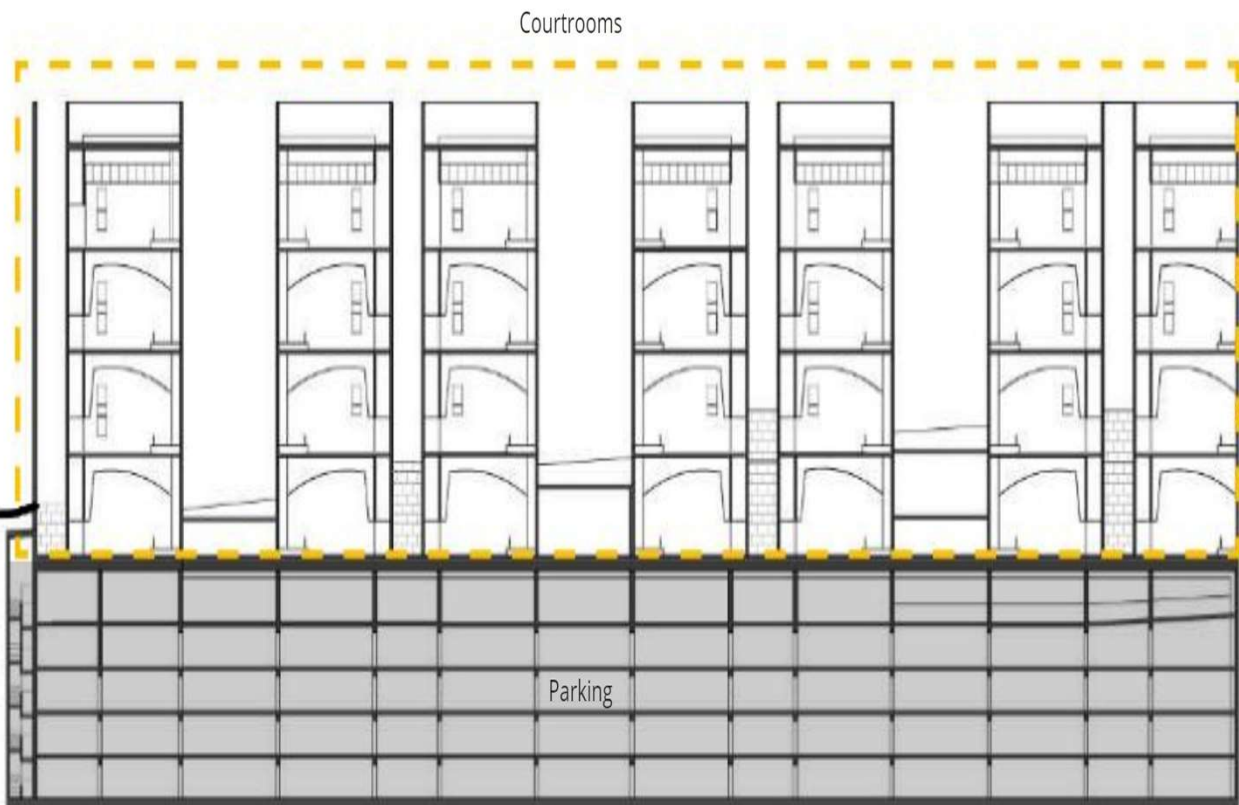
THE BUILDING TRIES TO DEPICT THE CONCEPT OF A “GREEN BUILDING” & ENERGY CONSERVATION.

THE JUDGES LIBRARY AND THE CENTRAL PUBLIC PLAZA ALSO ENJOY SIMILAR WELL-LIT ENVIRONMENTS, GLASS ATRIUM AT BOTH ENDS DO THE TRICK.

THE HAIFA COURTHOUSE HAS A DISTINCT BRUTALIST ARCHITECTURAL EXPRESSION WHICH GOES WELL WITH THE FUNCTION. THE INTERIORS ARE CONTRASTINGLY WELL LIT



- MATERIALS USED ARE CONCRETE, GLASS, WOOD, METAL AND STONE CLADDING.



SECTION BB

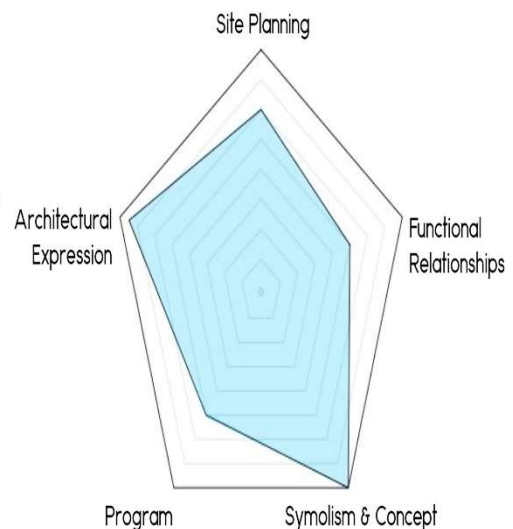
KEY LEARNING AND CONCLUSION

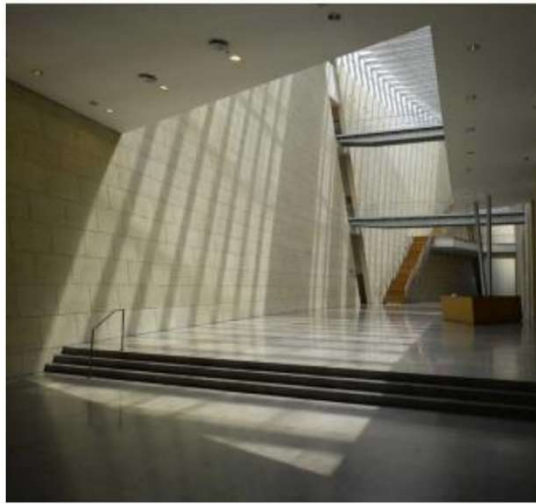
- MAJOR LEARNINGS FROM THIS CASE EXAMPLES REVOLVE AROUND THE ASPECTS OF ARCHITECTURAL EXPRESSION AND SYMBOLISM.
- THE LACK OF COHERENCE OF THE PROGRAM LIMITS ANY INFERENCES WHICH CAN BE DRAWN IN THE SUBJECT.
- SITE PLANNING HINTS TOWARDS HOW PUBLIC SPACE CAN BE INTERWOVEN WITH MORE RESTRICTIVE AND SECURED FUNCTIONS OF A COURTHOUSE.
- THE SIMPLICITY IN THE FORM AND ITS RELATIONSHIP WITH THE IDEA OF JURISDICTION IS ONE OF THE MAJOR DERIVATIVES FROM THE STUDY.

LEARNING DIAGRAM:

CLIMATE

JUDGING BY THE ANALYSIS DIAGRAM, THE MAJOR CONTRIBUTIONS .





PUBLIC ENTRANCE ATRIUM



**THE PROTRUDING 4 FLOOR
HIGH ATRIUM**



COURT ROOM



JUDGE LIBRARY

CLIMATE

ISRAEL IS LOCATED, BETWEEN 29°-33° NORTH OF THE EQUATOR, WHICH IS CHARACTERIZED AS A SUBTROPICAL REGION, BETWEEN THE TEMPERATE ZONE AND THE TROPICAL ZONE. THE NORTHERN AND COASTAL REGIONS OF ISRAEL SHOW MEDITERRANEAN CLIMATE CHARACTERIZED BY HOT AND DRY SUMMERS AND COOL RAINY WINTERS. WHEREAS THE SOUTHERN AND EASTERN AREAS OF ISRAEL ARE CHARACTERIZED BY AN ARID CLIMATE. THE CITY OF EILAT, LOCATED AT THE SOUTHERNMOST POINT OF ISRAEL AND AT THE NORTHERN TIP OF RED SEA, HAS A GOOD CLIMATE FOR BEACH HOLIDAYS ALL YEAR ROUND

Functional
Relationships

concept



LITERATURE STUDY

CAEN LAW COURT, FRANCE

INTRODUCTION

THE CAEN LAW COURT IS LOCATED IN FRANCE. THE LAW COURT OF CAEN REDEFINES A NEW DOMAIN OF URBAN PLANNING IN THE CENTRE OF THE CITY. THE SHAPE OF THE BUILDING AGREES NOT ONLY WITH THE TRADITION BUT OF COURSE WITH THE MORE COMPLEX DUTIES OF LAW COURTS IN THE 21ST CENTURY. (ARCHDAILY, 2013) THE LAW COURTS AT CAEN ARE NOT EQUIVALENT TO A HIGH COURT, HENCE NOT MANY PROGRAMMATIC OR ORGANISATIONAL INFERENCES CAN BE DRAWN. HOWEVER, IT CAN INFORM ABOUT THE INTERPRETATION AND ARCHITECTURAL MANIFESTATION OF JUSTICE AND A COURTHOUSE IN CONTEMPORARY TIMES.

TYPE OF PROJECT: LAW COURT

LOCATION: FRANCE

ARCHITECT: BAUMSCHLAGER EBERLE

CLIENT: DAVID BASULTO

SITE AREA: 9000 SQM.

GROUND FLOOR AREA: 2100 SQM.

TOTAL BUILT UP: 9500 SQM.

FAR USED: 2100 SQM.

HEIGHT: 17.5 M.

FLOOR COUNTS: 5 NOS.

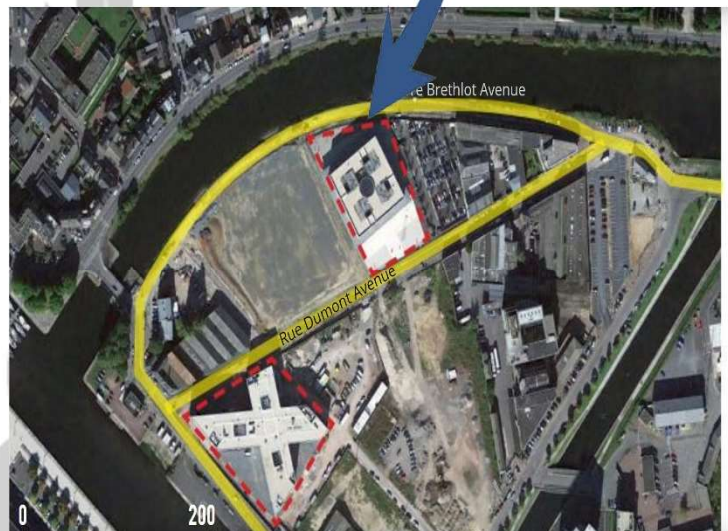
NO. OF COURTROOM: 6.

PARKING: 250 CARS.

YEAR: 2012.



VIEW OF COURT



ROAD NETWORK

SITE LOCATION

THE NEW LAW COURTS OF CAEN, IN THE NORTHWESTERN FRENCH REGION OF NORMANDY, ARE LOCATED IN THE CITY CENTER. **BOUNDRIES:**

EAST: OTHER PROPERTY

WEST: COMMERCIAL COMPLEX

SOUTH: ROAD

NORTH: ROAD

THE CAEN CANAL W IS A VENUE FOR THE WATER RELATED SO THE COURTS BUILDI THUS MAKING IT AN



FIGURE GROUND

THE FIGURE GROUND SHOWS A CLEAN INTENT OF THE ARCHITECT TO DESIGN A BUILDING WHICH SITES IN A GARDEN. THE SURROUNDING CONTEXT SHOWS A CONTRASTING PATTERNS WITH A MORE COARSE GRAINED AND FINE TEXTURED TYPOLOGY . THEY LACK CONSOLIDATED OPEN SPACE..



VIEW OF COURT

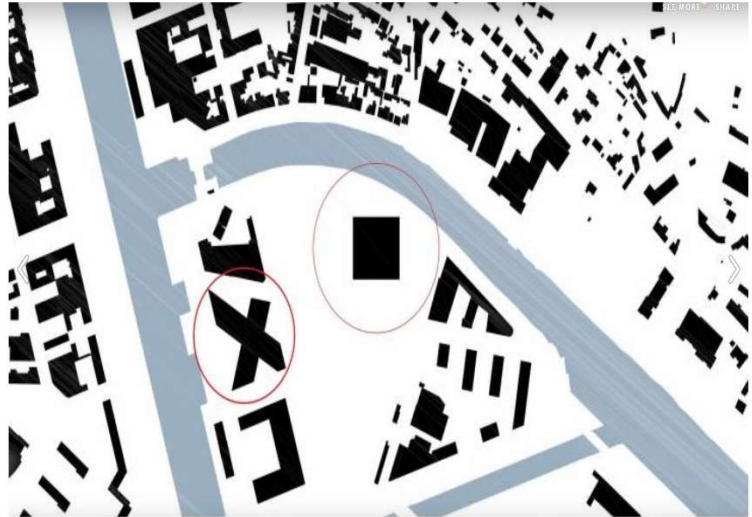


FIGURE GROUND



CONNECTIVITY

THE ACCESSIBILITY TO THE COURT IS CLEAN AND SIMPLE . IT HAS TWO MAIN ROADS ABUTTING THE SITE ON THE NORTH AND SOUTH SIDE . THE SOUTH SIDE ROAD , RUE DUMONT AVENUE IS THE MAIN PUBLIC APPROACH ROAD AND THE NORTH ROAD , PIERRE BRETHLOT AVENUE PROVIDE THE SECURED ACCESS TO THE JUDGES . THE SURROUNDING CONTEXT IS PREDOMINANTLY SOCIO CULTURE . THIS RINGS THE COURT HOUSE RIGHT AMONGST THE PUBLIC REALM AND HELPS WITH THE RECONNECTION OF THE PUBLIC WITH THE JUDICIARY.

A PUBLIC LIBRARY IS ALSO A PART OF THE SAME PROJECT.

THE CAEN CANAL WHICH RUNS ALONG THE NORTH EDGE OF THE SITE IS A VENUE FOR THE ANNUAL ROWING COMPETITION AND OTHER WATER RELATED SOCIAL EVENTS .

THE COURTS BUILDING BECOMES A BACKDROPS FOR THESE EVENTS , THUS MAKING IT AN INSEPARABLE PART OF THE FESTIVITY.



SITE PLANNING

- DUE TO THE DESIGN DECISION TO KEEP ONE CONSOLIDATED LOCK FOR ALL THE FUNCTIONS ON THE COURT THE SITE PLANNING BECOMES SIMPLE AND EFFICIENT.
- THE FRONT EDGE OF THE SITE IS DEDICATED TO PUBLIC ENTRY, BOTH PEDESTRIAN AND VEHICULAR.
- THE REAR END (NEAR SIDE) IS RESERVED FOR THE SECURED ENTRY AND EXIT OF THE JUDGES.
- THE INTERNAL FUNCTIONS TOO ARE ZONED ACCORDINGLY.
- ACCORDING TO THE HOLDING CAPACITY OF THE COURT , THE PUBLIC PARKING IS SUFFICIENT.
- JUDGE'S PARKING IS PROVIDED INSIDE THE BUILDING LOCK .
- THE PUBLIC AND JUDGE' S CIRCULATION BOTH ARE VERY SHORT AND DIRECT WHICH MAKES THEM MORE EFFICIENT . THE INTERNAL PLAN- NING CORRESPONDS TO THIS .
- ONE END OF THE SITE ALSO HAS A PUBLIC LI- BRARY WHICH IS ALSO THE PART OF THE SAME PROJECT . THESE BLOCKS SHARE THE PUBLIC GREEN.

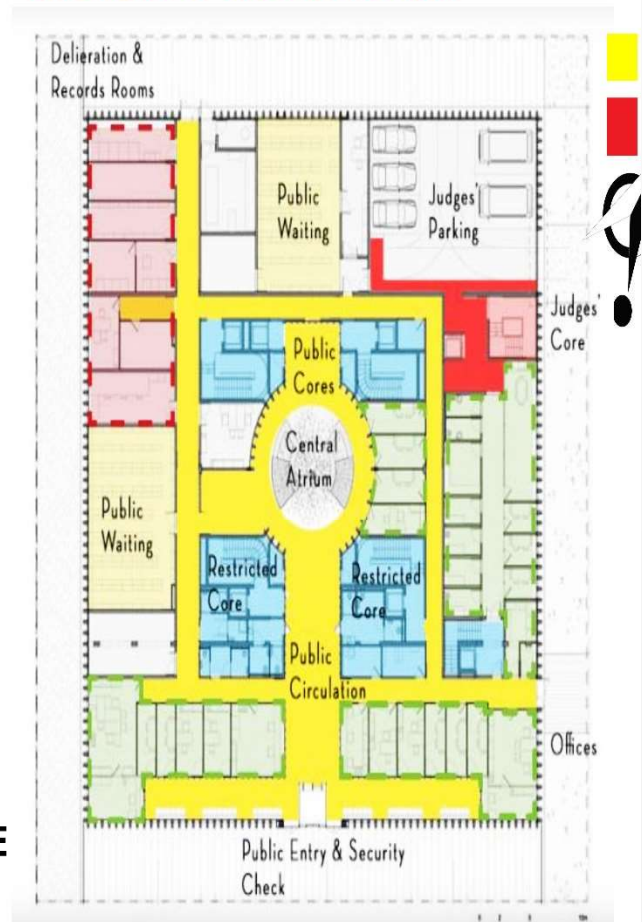
PLANNING

INTERNAL PLANNING AND RELATIONSHIPS

- AN ORTHOGONAL PATTERN CONSTITUTES THE BASE FOR THE INTERNAL ORGANISATION OF THE LAW COURT .



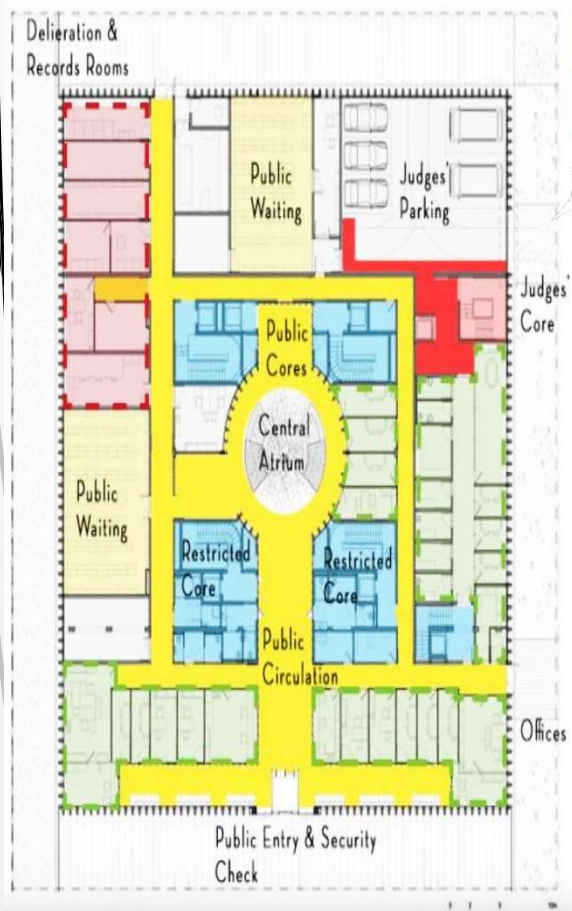
SITE PLAN OF CAEN LAW COURT



GROUND FLOOR PLAN



SITE PLAN OF CAEN LAW COURT



GROUND FLOOR PLAN

● THE MAN ROOMS ARE ADJACENT TO THE FACADES AND THE CORRIDORS THROUGHOUT THE BUILDING ALWAYS END UP AT THE FACADES , RESULTING

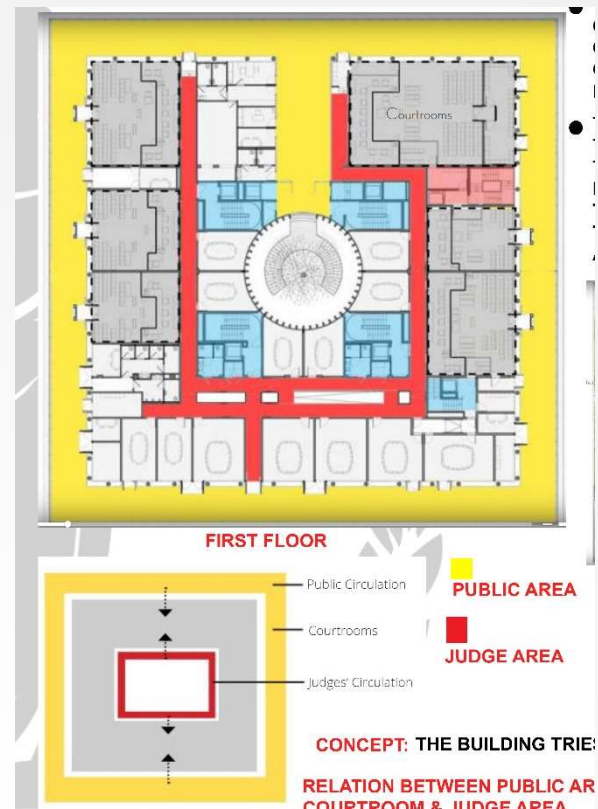
● FROM THE MAIN ENTRANCE THERE IS AN AXIS LEADING DIRECTLY TO THE MIDDLE OF THE BUILDING. THE CIRCULAR CENTER SPANS ALL 5 FLOORS AND IT IS THE HEART OF THE LAW

● DUE TO THE INSTITUTIONAL STRUCTURE OF THE JUDICIAL SYSTEM, THE JUDGES' CIRCULATION MIXES WITH THE JURY'S CIRCULATION AND HENCE CALLS FOR THE CREATION OF

● THE FIRST FLOOR IS MARKED BY THE PROTRUDING GLAZED HORIZONTAL BAND. THE FLOOR ACCOMMODATES THE TWO STOREY HIGH COURT ROOMS BUT IT IS ALSO SURROUNDED BY AN

● THE FIRST FLOOR IS MARKED BY THE PROTRUDING GLAZED HORIZONTAL BAND. THE FLOOR AT THE PASSIVE AND ACTIVE STRATEGIES ENSURE THE BUILDING TO ACHIEVE LOW ENERGY CONSUMPTION : A VERY COMPACT VOLUME, A DOUBLE SKIN FACADE SYSTEM AND A BIOCLIMATIC ATRIUM HELPS TO REDUCE HEAT LOSS WHILE INCREASING THERMAL INERTIA; GEOTHERMAL HEAT PUMP BRINGS BOTH HEATING AND COOLING BY USING RENEWABLE ENERGY. THE FLOOR ACCOMMODATES THE TWO STOREY HIGH COURT ROOMS BUT IT IS ALSO SURROUNDED BY AN EXTERNAL AND COMFORTABLE LAYER FOR THE ATTENDING AUDIENCE OF THE COURT.





- THE PASSIVE AND ACTIVE STRATEGIES ENSURE THE BUILDING TO ACHIEVE LOW ENERGY CONSUMPTION : A VERY COMPACT VOLUME, A DOUBLE SKIN FACADE SYSTEM AND A BIO-CLIMATIC ATRIUM HELPS TO REDUCE HEAT LOSS WHILE INCREASING THERMAL INERTIA; GEOTHERMAL HEAT PUMP BRINGS BOTH HEATING AND COOLING BY USING RENEWABLE ENERGY.
- THERE IS A MAJOR DIFFERENCE IN THE SCALE OF THIS PROJECT AND THE ONE AT HAND IN THIS THESIS . THERE IS ALSO A DIFFERENCE IN THE INSTITUTIONAL STRUCTURE OF BOTH THE COURT COMPLEXES. THE LACK OF ANY SORT OF LAWYERS BLOCK IS ONE OF THE MAJOR DIFFERENCES. HENCE THERE COULD BE NO STRONG LEARNINGS DERIVED IN THESE RESPECTS.
THE DIFFERENCE IN SCALE IS REFLECTED IN MANY OTHER FACETS AND HENCE BECOMES A MAJOR POINTS OF CONCERN BEFORE CONSIDERING ANY DESIGN MOVES.



SYMBOLISM AND ARCHITECTURAL EXPRESSION

THE BUILDING HAS BEEN FORESEEN AND DEVELOPED AS AN ABODE OF LIGHT. NATURAL LIGHT HAS BEEN ALLOWED TO PENETRATE INTO ALL OF THE COURTROOMS .A FLUSH OF NATURAL LIGHT ON ONE OF THE SIDE WALLS OF THE COURTROOM PROVIDE A UN-NERVING EXPERIENCE IN THESE AREAS.

CONCEPT: THE BUILDING TRIES TO DEPICT THE CONCEPT OF A "GARDEN BUILDING" & ENERGY CONSERVATION.

RELATION BETWEEN PUBLIC AREA, COURTROOM & JUDGE AREA

A HORIZONTAL BAND HIGHLIGHTS THE FIRST FLOOR WHERE THE COURT ROOMS ARE LOCATED. IN SO DOING THIS NEW LAW COURTS



- A HORIZONTAL BAND HIGHLIGHTS THE FIRST FLOOR WHERE THE COURT ROOMS ARE LOCATED. IN SO DOING THIS NEW LAW COURTS COMMUNICATE A MESSAGE BOTH TO ITS USERS AND TO ON LOOKERS TRANSPER-ENCY AND BALANCE.
- A LARGE OPEN PUBLIC SPACE ON THE WESTERN SITE OF THE LOCK IS OF GREAT SIGNIFICANCE. IT MAINTAINS A SOCIAL CONNECTION BETWEEN THE COURT AND THE PEOPLE. IT MATERIALISES THE PAST IMAGE OF THE COURT WHEN PEOPLE USED TO RELATE TO THE COURT AND ITS FUNC-TIONS AND USED ITS GREEN LAWNS TO PLAY AND RELAX.
- MATERIAL USED ARE CONCRETE, GLASS AND METAL.
THE COURT ROOM ALSO SHOW SYMBOLIC IMAGERY DEPICTING JUSTICE, LAW AND THE INSTITUTE.
- THE MAIN ROOMS ARE ADJACENT TO THE FACADES; THE CORRIDORS THROUGHOUT THE BUILDING ALWAYS END AT THE FACADES. THIS RESULT IN GOOD LIGHTING, AND A COMFORTABLE WORKING AREA IS PROVIDED.



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Architectural
Expression

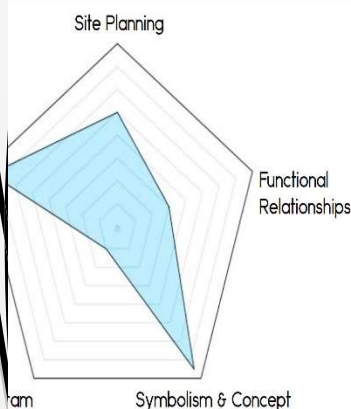
Program

- THE FLOOR ACCOMMODATES THE TWO STOREY HIGH COURT ROOMS BUT IT IS ALSO SURROUNDED BY AN EXTERNAL AND COMFORTABLE LAYER FOR THE ATTENDING AUDIENCE OF THE COURT. THIS LAYER IS COMPLETELY GLAZED AND PROVIDES A DIRECT VIEW TO THE ENTRANCES OF THE INTERIOR COURT ROOMS.
- THE NEW LAW COURTS OF CAEN IN NORTHERN FRANCE COMMUNICATE A MESSAGE TO ITS USERS AND PASSER-BYES: IT IS THE MESSAGE OF TRANSPARENCY, OF A STRINGENT SHAPE AND ESSENTIAL ARCHITECTURAL MEANS. THEREFORE IT IS NOT SO FAR AWAY FROM WHAT A EUROPEAN CIVILIZATION EXPECTS FROM JURISDICTION. BUT OUR CIVILIZATION TODAY EXPECTS EVEN MORE FROM A BUILDING – IT SHOULD SIMPLY ADD TO THE LONGEVITY OF OUR WORLD. THE BUILDINGS SUSTAINABLE STRATEGY AT CAEN IS DRIVEN BY TWO AXIS: THE PROJECT OFFERS BOTH HIGH COMFORT TO THE USERS AND OPTIMAL ENERGY PERFORMANCE.
- MATERIALS WERE SELECTED FOR THEIR SANITARY QUALITIES AND LOW IMPACT ON THE ENVIRONMENT. RAINWATER HARVESTING, NATURAL VENTILATION OF THE WAITING HALL AND A GLOBAL BIOCLIMATIC CONCEPTION ARE MANY ELEMENTS WHICH WILL HELP THE BUILDING TO REACH THIS SUSTAINABLE CHALLENGE.

KEY LEARNING AND CONCLUSION

LEARNING DIAGRAM:

IDENTIFYING BY THE ANALYSIS DIAGRAM, THE MAJOR CONTRIBUTIONS .



- MAJOR LEARNINGS FROM THIS CASE EXAMPLES REVOLVE AROUND THE ASPECTS OF ARCHITECTURAL EXPRESSION AND SYMBOLISM
- THE LACK OF COHERENCE OF THE PROGRAM LIMITS ANY INFERENCE WHICH CAN BE DRAWN IN THE SUBJECT.
- SITE PLANNING HINTS TOWARDS HOW PUBLIC SPACE CAN BE INTERWOVEN WITH MORE RESTRICTIVE AND SECURE FUNCTIONS OF A COURT HOUSE.
- THE SIMPLICITY IN THE FORM AND ITS RELATIONSHIP WITH THE IDEA OF JURISDICTION IS ONE OF THE MAJOR DERIVATIVES FROM THE STUDY.
- THE PRESENCE OF A PUBLIC LIBRARY WITHIN THE PRECINCT.



COMPARISONS

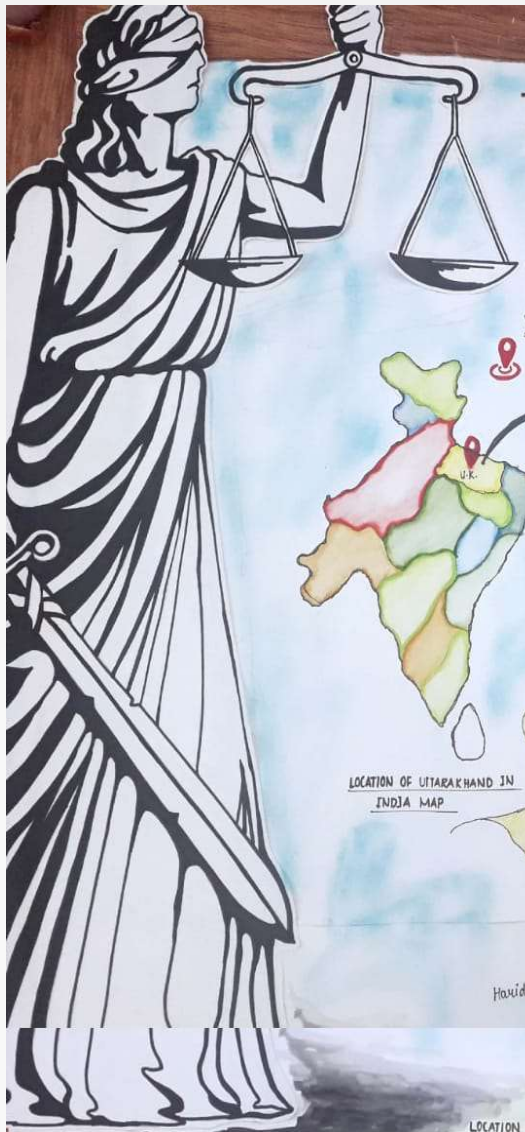
	CASE 1: SAKET DISTRICT COURT, DELHI
SITE AREA	17 ACRES
YEAR	2010
TYPE OF BUILDING	DISTRICT COURT
ENTRANCE NO.	6 NOS.
NO. OF COURTS	64
AREA OF COURTROOM	92 SQM.
AREA OF COURT OFFICE	25 SQM.
HEIGHT OF EACH FLOOR	3.6 MT.
AREA OF WAITING AREA	270 SQM.
SITTING SPACE FOR PUBLIC	LANDSCAPED PARK IN FRONT OF COURT
PROVISION FOR HANDICAPS	RAMP FOR VERTICAL MOVEMENT & AT THE ENT.
PARKING	BASEMENT LEVEL 1
MADITATION CENTER	IN UTILITY BLOCK
FAMILY COURT	OUTSIDE THE CAMPUS
LOCKUPS AREA	800 SQM WITH GUARD ROOM
LAYWERS CHAMBERS	15 SQM.
AREA OF LIBRARY	800 SQM.
BAR ROOM	WITH CONFERENCE 15 SEATS
CANTEEN AREA	750 SQM / 200 ADV. & 300 PUB.
FIRE EXIT STAIRCASE	4 NOS. WITH 1500 MM WIDTH
UTILITY BLOCK AREA	2500 SQM
NO. OF LIFT IN COURT B.	JUDGE(11), PUBLIC(6), ADV.(2)
NO. OF STAIR CASE IN C.B	JUDGE(9), PUBLIC(6), ADV.(3)
RAMP & ITS GRADIENT	GRADIENT 110
MATERIAL	SAND-STONE & CLADDING
SITE PLANNING	

	CASE 2: HIGH COURT, LUCKNOW
SITE AREA	40 ACRES
YEAR	2016
TYPE OF BUILDING	HIGH COURT
ENTRANCE NO.	12 NOS.
NO. OF COURTS	84
AREA OF COURTROOM	162 SQM.
AREA OF COURT OFFICE	50 SQM.
HEIGHT OF EACH FLOOR	3.6 MT.
AREA OF WAITING AREA	400SQM.
SITTING SPACE FOR PUBLIC	LANDSCAPED PARK IN FRONT OF COURT
PROVISION FOR HANDICAPS	RAMP FOR VERTICAL MOVEMENT & AT THE ENT.
PARKING	BASEMENT LEVEL 1/ MULTI. PA.
MADITATION CENTER	IN UTILITY BLOCK
FAMILY COURT	INSIDE THE CAMPUS
LOCKUPS AREA	NO.
LAYWERS CHAMBERS	28 SQM.
AREA OF LIBRARY	2800 SQM.
BAR ROOM	WITH CONFERENCE 40 SEATS
CANTEEN AREA	800 SQM / 250 ADV. & 400 PUB.
FIRE EXIT STAIRCASE	4 NOS. WITH 1800 MM WIDTH
UTILITY BLOCK AREA	2500 SQM
NO. OF LIFT IN COURT B.)	JUDGE(11), PUBLIC(8), ADV.(4)
NO. OF STAIR CASE IN C.	JUDGE(10), PUBLIC(8), ADV.(6)
RAMP & ITS GRADIENT	GRADIENT 110
MATERIAL	SAND-STONE & CLADDING
SITE PLANNING	

	LIT. 1: CAEN LAW COURT' FRANCE
SITE AREA	10 ACRES
YEAR	2013
TYPE OF BUILDING	DISTRICT COURT
ENTRANCE NO.	5 NOS.
NO. OF COURTS	12
AREA OF COURTR	80 SQM.
AREA OF COURT C	23 SQM.
HEIGHT OF EACH F	3.0 MT.
AREA OF WAITING	230 SQM.
SITTING SPACE FO PUBLIC	LANDSCAPED PARK IN CENTER OF COURT
PROVISION FOR HANDICAPS	RAMP FOR VERTICAL MOVEMENT & AT THE ENT.
PARKING	SURFACE PARKING
MADITATION CENTI	IN A COURT
FAMILY COURT	INSIDE THE CAMPUS
LOCKUPS AREA	NO
LAYWERS CHAMBE	18 SQM.
AREA OF LIBRARY	500 SQM.
BAR ROOM	18 SEATS
CANTEEN AREA	550 SQM
FIRE EXIT STAIRCA	2 NOS. WITH 1500 MM WIDTH
UTILITY BLOCK AR	2800 SQM
NO. OF LIFT IN COL	JUDGE (3), PUBLIC(2), ADV.(2)
NO. OF STAIR CASI	JUDGE(2), PUBLIC(2), ADV.(2)
RAMP & ITS GRADI	GRADIENT 110
MATERIAL	FLY ASH BRICK & GLASS
SITE PLANNING	

	LIT. 1: HAIFA COURT-HOUSE, ISRAEL
SITE AREA	28 ACRES
YEAR	2015
TYPE OF BUILDING	HIGH COURT
ENTRANCE NO.	6 NOS.
NO. OF COURTS	53
AREA OF COURTR	84 SQM.
AREA OF COURT C	25 SQM.
HEIGHT OF EACH	3.6 MT.
AREA OF WAITING	270 SQM.
SITTING SPACE FC PUBLIC	LANDSCAPED PARK IN FRONT OF COURT
PROVISION FOR HANDICAPS	RAMP FOR VERTICAL MOVEMENT & AT THE ENT.
PARKING	BASEMENT LEVEL 1
MADITATION CENT	IN UTILITY BLOCK
FAMILY COURT	OUTSIDE THE CAMPUS
LOCKUPS AREA	NO
LAYWERS CHAMB	15 SQM.
AREA OF LIBRARY	800 SQM.
BAR ROOM	50 SEATS
CANTEEN AREA	600 SQM
FIRE EXIT STAIRCH	4 NOS
UTILITY BLOCK AF	2400 SQM
NO. OF LIFT IN CO2)	JUDGE(8), PUBLIC(6), ADV.(2)
NO. OF STAIR CAS2)	JUDGE(6), PUBLIC(3), ADV.(3)
RAMP & ITS GRADI	GRADIENT 110
MATERIAL	FLY ASH BRICK & CLDDING
SITE PLANNING	

CONCEPT



INTRODUCTION →

THE JUDICIAL DISTRICT COURT IS DISTRICT COURT.
"LAW COURTS ARE SHELTERS OF LAW"
COURT IS THE WORD WHICH DENOTES AN ENCLOSED SPACE. IT IS A TERM USED FOR JUDICIAL TRIBUNALS WHICH ORIGINALLY WERE ENCLOSED WITHIN WHICH JUDGES AND THEIR OFFICIALS WHILE THE COUNSEL ATTORNEYS AND THE GENERAL PUBLIC STOOD OUTSIDE THE BAR OF THE COURT.



ELEVATION OF DISTRICT COURT

DESIGN

MATERIAL

- GLASS FIBER FORCED CONCRETE
- GLASS FIBER REINFORCED CONCRETE
- USES OF GLASS FIBER IN CONCRETE LIMITED BY SEVERE DAY AND NIGHT TEMPERATURE
- GLASS IS NOT TRANSPARENT
- IT PRESERVES GLASS
- STONE IS USED IN DEHRADUN

SITE ANALYSIS →

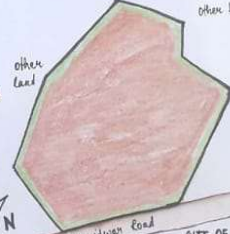
SITE LOCATION:

DEHRADUN IS LOCATED IN THE DOON VALLEY ON THE FOOTHILLS OF THE HIMALAYAS NESTED BETWEEN THE RIVER GANGES ON THE EAST AND THE RIVER YAMUNA ON THE WEST.
THE DISTRICT COURT COMPLEX IS PROPOSED AT VILLAGE - UDDIWALA KARANPUR, PARGANA - CENTRAL DOON, HARIDWAR ROAD, TEHSIL 4 DISTRICT - DEHRADUN, UTTARAKHAND.



LOCATION OF UTTARAKHAND IN INDIA MAP

LOCATION OF DEHRADUN IN UTTARAKHAND MAP



BOUNDARIES:

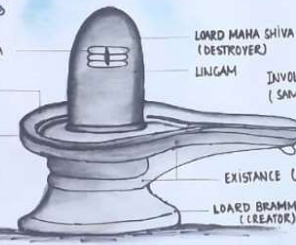
- EAST - OTHER GOVT. PROPERTY
- WEST - COMMERCIAL COMPLEX
- SOUTH - OTHER PROPERTY
- NORTH - HARIDWAR ROAD

APPROACH OF THE PROJECT SITE :-

- NATIONAL HIGHWAY: NH 72 - 15 KM NORTH, NH 72 A - 14 KM WEST
- AIRPORT: JOLY GRANT AIRPORT: 27 KM, SOUTH EAST
- RAILWAY STATION: DEHRADUN RAILWAY STATION: 750 M. WEST
- NEAREST TOWN/CITY: DEHRADUN - 1.0 KM
- RIVER BODY: GOWA RIVER: 7.1 KM, EAST
- NATIONAL PARK: RAJAJI NATIONAL PARK: 7.0 KM, SW
- STATE BOUNDARY: UP- UTTARAKHAND BORDER: 13 KM, SW
- SEISMICITY: THE STUDY AREA FALLS UNDER SEISMIC ZONE - IV

CONCEPT → INTRODUCTION →

- THE SHIVLING CONSIST OF MAINLY THREE PARTS- LORD BRAHMA, LORD VISHNU, & LORD SHIVA, AS I SEGREGATE THESE 3 PARTS INTO 3 BLOCKS OF THE BUILDING.
- THE BASE OF THE SHIVLING IS LORD BRAHMA KNOWN AS THE CREATOR OF THE EARTH, HE FULFILL ALL THE UTILITIES & MADE US, SO YONI I IMPLEMENT THE ADMINISTRATION BLOCK & UTILITY BLOCK IN THIS PORTION SHOWING THAT THEY FULFILL ALL THE MADE OF COURT AND RECORDS EVERYTHING.
- THE MIDDLE OF THE SHIVLING IS LORD VISHNU WELL KNOWN AS THE PRESERVER, AS HE SAVES US FROM CALAMITIES OR PROBLEM. LAWYERS DOES THE SAME HE SAVE THE INNOCENT AND HELP IN MAKE THE JUSTICE



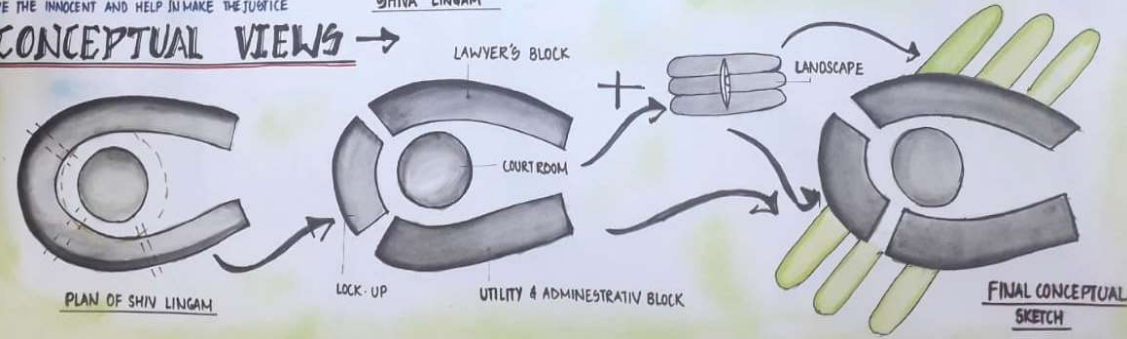
SHIVA LINGAM

DEHRADUN IS LOCATED IN THE DOON VALLEY ON THE FOOTHILLS OF THE HIMALAYAS NESTED BETWEEN THE (HIMALAYAS) RIVER GANGES ON THE EAST AND THE RIVER YAMUNA ON THE WEST. DOON OR DOON IS GARHWALI LANGUAGE REFERS TO A VALLEY THAT LIES BETWEEN THE MIDDLE HIMALAYAS AND THE 'SHIVALIKS'.

THE SHIVAIK HILLS, ALSO KNOWN AS CHURIA HILLS, ARE A MOUNTAIN RANGE OF THE OUTER HIMALAYAS THAT STRETCHES FROM THE INDUS RIVER ABOUT 3400KM (1500MI) EASTWARDS CLOSE TO THE BRAHMAPUTRA RIVER. 'SHIVAIK' LITERALLY MEANS 'TRESS OF SHIVA' WHICH

IMPLY IN FORM OF BUILDING.

CONCEPTUAL VIEWS →



- SO, I
- J. T.
- THE UP
- TIE
- AND
- JOG
- CLP
- JUN
- ROO
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- TRI
- JU
- BA

DESIGN CONSIDERATION →

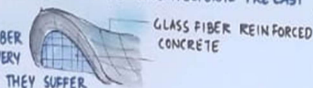
MATERIAL:

- GLASS FIBER REINFORCED CONCRETE IS A TYPE OF FIBER-REINFORCED CONCRETE. THE PRODUCT IS ALSO KNOWN AS GLASS FIBER REINFORCED CONCRETE IN BRITISH ENGLISH. GLASS FIBER CONCRETES ARE MAINLY USED IN EXTERIOR BUILDING, FACADE PANELS AND AS ARCHITECTURAL PRECAST CONCRETE.

USES OF GLASS FIBER IN CONCRETE IS VERY LIMITED BECAUSE THEY SUFFER SEVERE DAMAGE AND LOSS OF STRENGTH DUE TO ABRASION AND IMPACT FORCES GENERATED DURING MOVEMENT OF AGGREGATES IN MIXER.

- GLASS IS USED IN BUILDING BECAUSE IT HARD SUBSTANCE WHICH MAY BE TRANSPARENT OR TRANSLUCENT AND BRITTLE IN NATURE ITS PROPERTIES ARE TRANSPARENCY, STRENGTH, WORKABILITY TRANSMITTANCE AND ITS U VALUE SHOULD HAVE LOWER, SO IT PRESENT THE AMOUNT OF HEAT TRANSFERRED THROUGH GLASS.

- STONE CLADDING USED IN INTERIOR OR EXTERIOR IN A BUILDING IT USE THIN LAYER OF STONE. ITS A LOCAL MATERIAL OF DEHRADUN. IT A LOWER WEIGHT AND HEIGT TRAP FOR BUILDING.



- STONE CLADDING WITH ALUMINIUM SECTION USED IN STRUCTURE.

FACAD TREATMENT:



MAIN GATE ENTRANCE



MAIN ENTRANCE



FACAD OF LANDSCAPE

CLIMATE TREATMENT:

- DEHRADUN CLIMATE IS HUMID SUBTROPICAL.

- IN EAST, DIRECTION OF A BUILDING USED GLASS AND STONE CLADDING FOR HEAT TRAP.



- IN A SOUTH DIRECTION USED SMALL & SCRUBS VEGETATION FOR MAINTAIN MICRO CLIMATE. AND LANDSCAPED OF SMALL GARDEN USED IN SOUTH DIRECTION.

- LUVERS USED IN BUILDING. HORIZONTAL LAYER USED FOR SHADE AND WIND MOVEMENT.



HORIZONTAL LOUVER

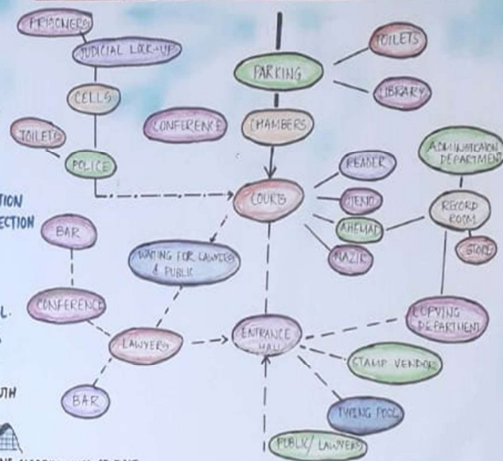
VEGETATION

- FILIX INFECTORIA (PAKUR)
- ATADURACHTHA INDICA (NEEM)
- PLUMERIA ALBA (TEMPLE TREE)



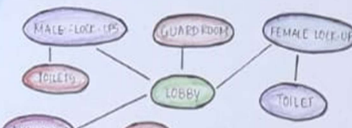
PAKUR ASHOK

BUBBLE DIAGRAM →



- CIRCULATION OF JUDGES
- PUBLIC
- LAWYERS
- PRISONERS
- STAFF

BABBLE CHART OF DISTRICT COURT



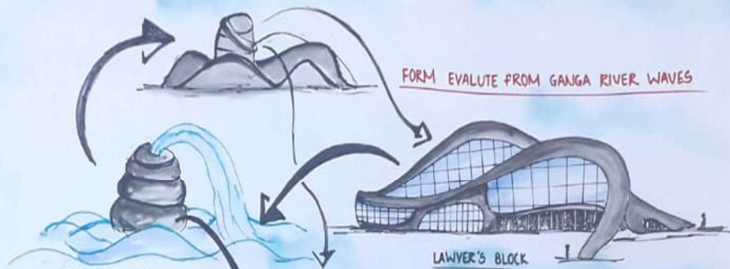
- CIRCULATION OF PRISONERS UP TO LOCK-UPS

BABBLE CHART OF PRISONER AREA

FORM EVALUATION →



SHIVALIK - TRESS OF SHIVA



FORM EVALUTE FROM GANGA RIVER WAVES

FORM OF TRESS WITH GANGA RIVER

SHIVALIK MEANS 'TRESS OF SHIVA' TRESS IMPLIMENT IN FROM OF COURT BUILDING AND LORD SHIVA RECIVED GANGA IN HIS MATTED LOCKS (HAIR) AND RELEASED HER FROM HIS HAIR IN SEVEN STREAM AND THUS BECOME GANGADHARA.

I DERIVED MY FORM OF THE BUILDING FROM THAT WAVES OF WATER AND HAIR. I DESIGNED THE BUILDING IN THE FORM OF TWIRLES TO WHICH RESEMBLE TO LORD SHIVA.



COURT BLOCK

LAWYER'S BLOCK

LOCK UP BLOCK

UTILITY BLOCK

SIDE VIEW

FINAL VIEW (FORM EVALUATION)



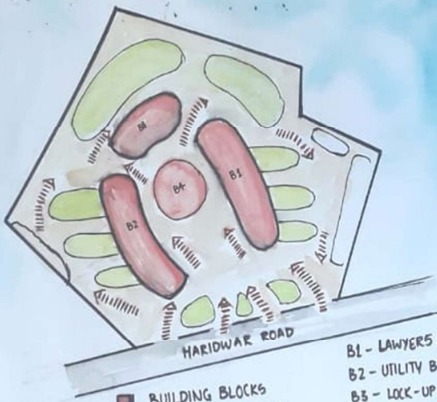
CONCEPT OF SHIV LINGAM IN PLAN

SO, I IMPLIMENT LAWYERS CHAMBER & LOCKUP IN THIS BLOCK.

THE UPPER PART IS LORD SHIVA KNOWN AS THE DESTROYER. HE DESTROYER THE EVIL AND SAVE INNOCENT ONE LIKE SAME JUDGE. IN THE COURT PUNISH THE GUILTY AND PROVIDE JUSTICE TO INNOCENT SO, I IMPLIMENT COURT ROOM AND JUDGE CHAMBERS IN THIS BLOCK.

TRIPUNDRA TIKA SYMBOL IMPLIMENT IN LANDSCAPE, WHICH PLACED SUBORDINATING OF COURT BUILDING.

ZONING →



- BUILDING BLOCKS
- GREENERY (GARDEN)
- PARKING
- MOVEMENT IN COURT BUILDING

- B1 - LAWYERS BUILDING
- B2 - UTILITY BLOCK & ADMIN. BLOCK
- B3 - LOCK-UP BLOCK
- B4 - COURT BUILDING

AREA ANALYSIS →

SN	DESCRIPTION	DETAILS	UNITS
1	TOTAL FLOOR AREA	24314.66 SQ.M	SQM
2	PROPOSED BUILT UP AREA	43632.89	SQM
3	NUMBER OF BUILDING BLOCKS (4)	4	NOS
4	MAX. HEIGHT OF BUILDING	20.10	M
5	MAX. NO OF FLOORS	51.614	NOS
6	EXPECTED POPULATION	3670	PERSONS
AREAS			
7	TECHNICAL GARDEN COVERAGE AREA (40%)	10525	SQM
8	PERMISSIBLE FAR AREA (1.5)	33470	SQM
9	TOTAL BASEMENT AREA	3495	SQM
10	TOTAL FAR AREA	1001.16	SQM

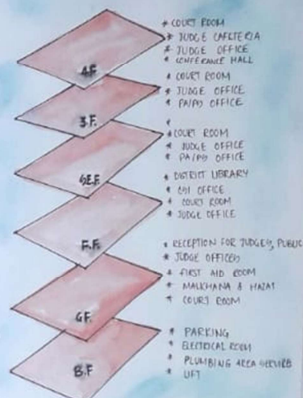
11. TOTAL PARKING REQUIRED AS / BUILDING BYE-LAW	824	ECG
12. PROPOSED TOTAL PARKING	847	ECG
13. PROPOSED PARKING ON SURFACE	123	ECG
14. PROPOSED PARKING IN BASEMENT	724	ECG
15. PROPOSED GREEN AREA	1885	SQM

AREA OF REQUIREMENT

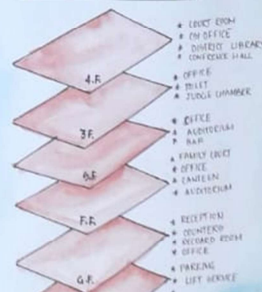
SN	RECEPTION (ENTRY HALL)	NOS	AREA (SQM)	AREA (SQM)
1	RECEPTION (ENTRY HALL)	1	572.00	572.00
2	PUBLIC	1	123.9	123.9
3	JUDGE	1	85	85
4	ACCUSED / POLICE	1	235.04	235.04
5	RECESSIONAL	1	44.54	44.54
6	FRONT OFFICE	1	400.0	400.0
7	RECORD ROOM	1	184.11	184.11
8	COI OFFICE	2	258.0	516.0
9	MALIKHANA & HAZAT	1	480.03	480.03
10	ADMIN. OFFICE OF D.C.	1	115.45	115.45
11	CONFERENCE HALL FOR D.C.	1	175.16	175.16
12	CHIEF CLERK	1	173.03	173.03
13	CHIEF CLERK	1	173.03	173.03
14	CHIEF CLERK	1	173.03	173.03
15	CHIEF CLERK	1	173.03	173.03
16	CHIEF CLERK	1	173.03	173.03
17	CHIEF CLERK	1	173.03	173.03
18	CHIEF CLERK	1	173.03	173.03
19	CHIEF CLERK	1	173.03	173.03
20	CHIEF CLERK	1	173.03	173.03
21	CHIEF CLERK	1	173.03	173.03
22	CHIEF CLERK	1	173.03	173.03
23	CHIEF CLERK	1	173.03	173.03
24	CHIEF CLERK	1	173.03	173.03
25	CHIEF CLERK	1	173.03	173.03

VERTICAL STACKING →

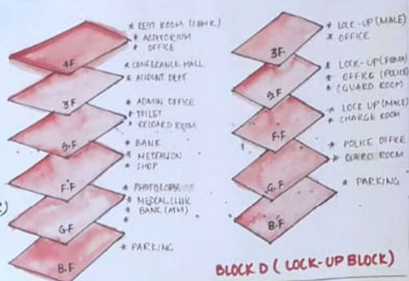
BLOCK A (COURT BLOCK)



BLOCK B (LAWYERS CHAMBER)



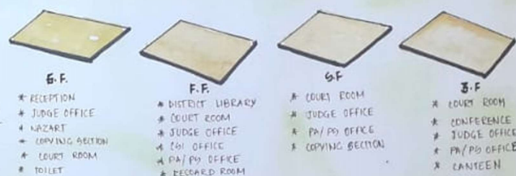
BLOCK C (UTILITY & ADMIN. BLOCK)



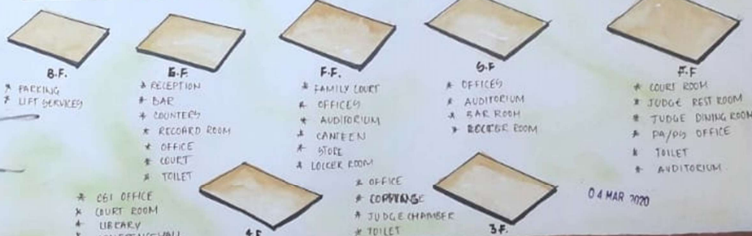
BLOCK D (LOCK-UP BLOCK)

HORIZONTAL STACKING →

BLOCK A (COURT BLOCK)



BLOCK B (LAWYERS BLOCK)



CLIMATE →

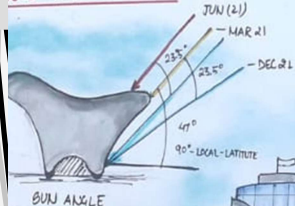
THE CLIMATE OF DEHRADUN IS HUMID SUBTROPICAL. SUMMER TEMPERATURES CAN REACH UP TO 44°C FOR FEW DAYS AND A HOT WIND CALLED LOO BLOWS OVER NORTH INDIA. WINTER TEMPERATURES ARE USUALLY BETWEEN 18.20° AND FOG IS QUITE COMMON IN WINTERS LIKE PLAINS. DURING SEVERE THE MONSOON SEASON, THERE IS OFTEN HEAVY AND PROTRACTED RAINFALL. DEHRADUN AND OTHER PLAINS AREAS OF UTTARAKHAND SEE ALMOST AS MUCH RAINFALL AS COASTAL MAHARASHTRA AND MORE THAN ASSAM.

DEHRADUN, THE AVERAGE ANNUAL TEMPERATURE IS 21.0°C.

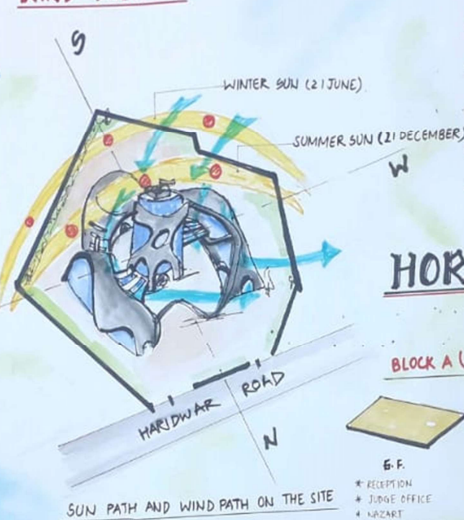
71.2°F ABOUT 1094 MM.

74.6 INCH OF PRECIPITATION FALLS ANNUALLY.

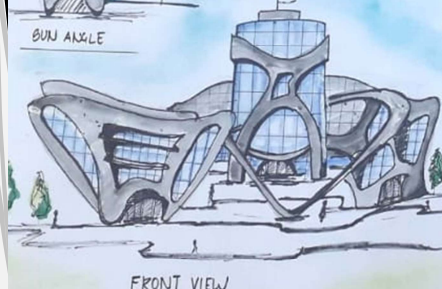
WIND DIAGRAM →



WIND DIAGRAM:



SUN PATH AND WIND PATH ON THE SITE



FRONT VIEW

AREA ANALYSIS

SPACE	PLINTH AREA	AREA
COURT ROOMS	14.000 X 8.200	114.8
RETIRING ROOM	4.870 X 6.920	36.40
BATH ROOM	2.200 X 2.500	5.5
STENO ROOM	4.800 X 4.870	23.37
OFFICE ROOM 1	8.400 X 10.500	88.2
OFFICE ROOM 2	8.400 X 10.500	88.2
LIBRARY	10.185 X 14.495	145.58
RECORD ROOM (CIVIL)	42.383 X 21.780	924.71
RECORD ROOM (CRIMINAL)	18.110 X 41.194	747.27
CONFERENCE ROOM	16.780 X 17.300	291.61
COPYING SECTION	21.841 X 10.240	224.74
POLICE COPYING	9.055 X 7.430	67.6
STATIONARY AND FORM ROOM	4.000 X 5.500	22
NAZARAT	9.055 X 7.430	67.7
GOVERNMENT PLEADER ROOM (CIVIL CRIMINAL AND REVENUE)	5.500 X 3.645	20.05

SPACE	PLINTH AREA	AREA
MALKANA (CIVIL)	9.000 X 15.198	136.79
MALKANA (CRIMINAL)	9.000 X 14.198	130.59
STORE/GODOWN	9.000 X 7.500	67.5
INSPECTION/ENQUIRY CONTROL ROOM	5.570 X 3.600	20.05
S.A.O ROOM	3.950 X 3.185	12.5
MEETING ROOM	14.600 X 6.900	100.77
CASH SECTION	5.500 X 3.600	19.8
ACCOUNT SECTION	5.840 X 7.290	42.57
CANTEEN	12.00 X 18.920	224.8
COMPUTER ROOM	5.500 X 3.600	19.8
GENERATOR ROOM	21.841 X 10.290	224.74
LITIGANTS SHED	5.112 X 6.773	34.62
WITNESS SHED	5.112 X 6.773	34.62
INTERCOM/PBX ROOM	5.500 X 2.661	14.64
LOCKUP FOR GENTS	8.550 X 3.600	30.78
LOCKUP FOR LADIES	6.000 X 3.600	21.6
GARAGES	3.000 X 5.100	15.3

SPACES	PLINTH AREA	AREA
PUBLIC TOILETS (LAVATORY)	4.500 X 3.055	16.68
PUBLIC TOILETS (GENTS AND LADIES)	4.500 X 3.055	16.68
CYCLE – STAND	-	-
SCOOTER STAND	-	-
CAR - PARKING	-	-
OATH – COMMISSIONER ROOM	3.275 X 5.500	18
D.G.C ROOM (2)	5.500 X 3.600	19.8
GUARD ROOM	3.950 X 2.400	9.48
BANK	-	114
POST OFFICE	-	114.5
VEDIO- CONFERENCING ROOM	5.500 X 3.600	19.8
CO – OPERATIVE CANTEEN	-	100.65
COURT MANAGER	4.000 X 3.270	13.08
A.D.R CENTER	-	351
DISPENSARY	5.560 X 3.296	18.33

PROVISIONS	PLINTH AREA	AREA
COURT ROOM	12.750 X 8.530	108.75
JUDGES CHAMBERS/ RETIRING ROOM	6.250 X 3.930 3.000 X 3.000	33.56
BATH ROOM	2.615 X 1.255	3.28
STENO – ROOM	3.020 X 4.370	13.19
OFFICE – ROOM	9.500 X 8.770	83.31
COUNSELING ROOM	3.040 X 5.040	15.22

BIBLIOGRAPHY

THE REFERENCE FOR THE THESIS HAS BEEN TAKEN FROM-

1- NEUFERTS

2-ARCH DAILY.COM

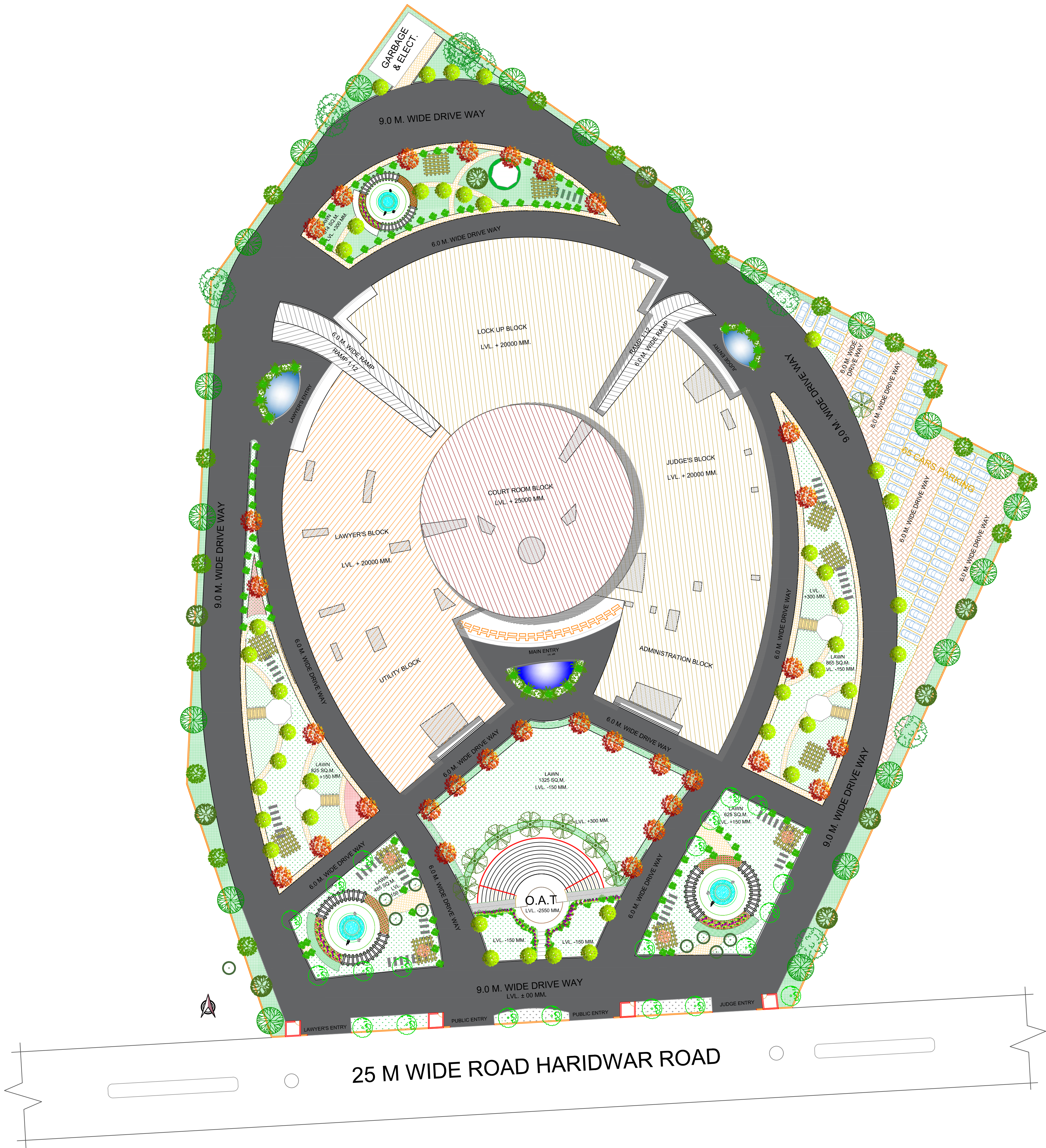
3-NATIONAL
BUILDING CODE

4-GOOGLE.COM

5-PINTEREST

6-MINISTRY OF
CULTURE





PROJECT TITLE

PROPOSED PLAN FOR
'DISTRICT COURT COMPLEX
AT DEHRADUN'

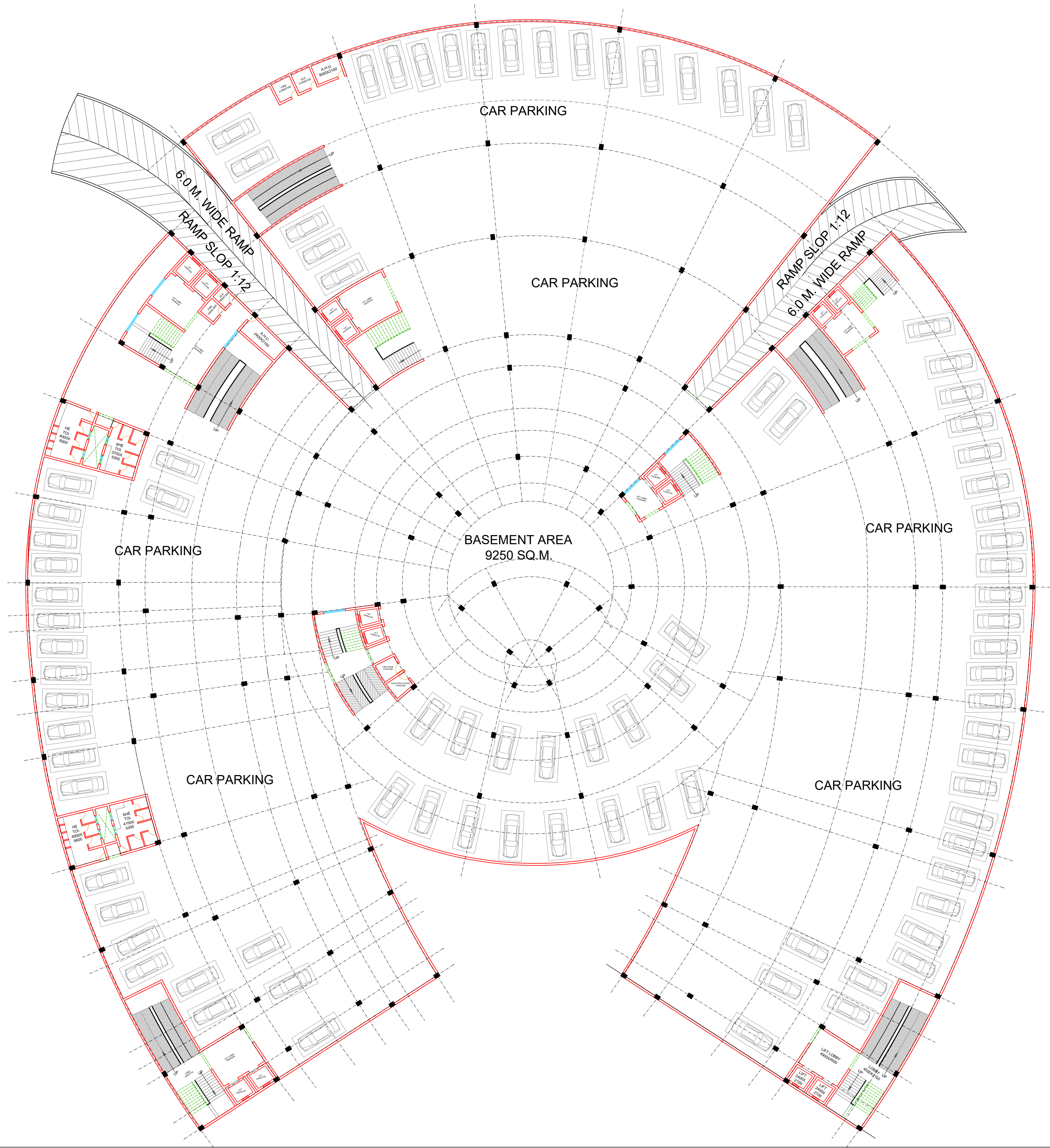


BYE LAWS :-
SETBACKS

FRONT = 15.00 M.	G. COVERAGE ALLOWED = 35%
REAR = 6.00 M.	F.A.R. ALLOWED = 1.50
SIDE - 1 = 6.00 M.	
SIDE - 2 = 6.00 M.	

AREA STATEMENTS :-		
1.	TOTAL PLOT AREA	= 26314.0 SQ. M. (= 6.30 ACRES)
2.	PROPOSED COVERED AREA ON BASEMENT - 1 (SERVICES)	-- 9250.00 SQ.M.
3.	PROPOSED COVERED AREA ON GROUND FLOOR	-- 7462.00 SQ.M.
4.	PROPOSED COVERED AREA ON FIRST FLOOR	-- 7462.00 SQ.M.
5.	PROPOSED COVERED AREA ON SECOND FLOOR	-- 7462.00 SQ.M.
6.	PROPOSED COVERED AREA ON THIRD FLOOR	-- 7462.00 SQ.M.
7.	PROP. COVD. AREA ON 4TH FL.	-- 7462.00 SQ.M.
8.	TOTAL COVERED AREA (IN F.A.R. - 12.50)	= 29848.00 SQ.M.
9.	OPEN AREA ON GROUND FLOOR	-- 3063.00 SQ.M.
10.	AREA OF PORCH	-- 290.62 SQ.M.
11.	GROUND COVERAGE	-- 28.36 %
12.	GREEN AREA	-- 17.3%
13.	PROPOSED TOTAL PARKING	-- 345 ECS
14.	AREA REQUIRED FOR @ 32 SQM. PER ECS.--	10880 SQM
15.		

NORTH		GENERAL NOTES	
		All Dimensions are in mm. or specified	
SCALE		STUDENT DETAIL	
		Name -	Poornima Raj Chaudhary
		Section -	AR- 5-2
		Roll. No. -	1150101051
SHEET NO.		GUIDE DETAIL	
		PR. MOHIT AGARWAL & AR. RAMAKANT	



BASEMENT FLOOR PLAN



PROJECT TITLE

PROPOSED PLAN FOR
'DISTRICT COURT COMPLEX
AT DEHRADUN'



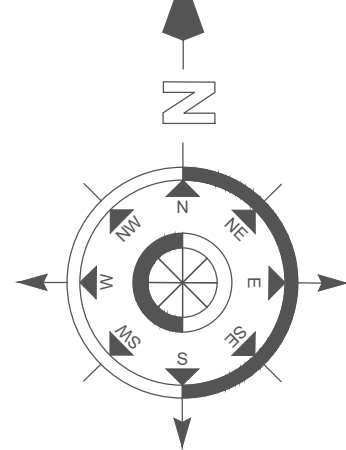
BYE LAWS :-

SETBACKS

FRONT = 15.00 M.	G. COVERAGE ALLOWED = 35%
REAR = 6.00 M.	F.A.R. ALLOWED = 1.50
SIDE - 1 = 6.00 M.	
SIDE - 2 = 6.00 M.	

AREA STATEMENTS :-		
1.	TOTAL PLOT AREA	= 26314.0 SQ. M. = (6.30 ACRES)
2.	PROPOSED COVERED AREA ON BASEMENT - 1 (SERVICES)	-- 9250.00 SQ.M.
3.	PROPOSED COVERED AREA ON GROUND FLOOR	-- 7462.00 SQ.M.
4.	PROPOSED COVERED AREA ON FIRST FLOOR	-- 7462.00 SQ.M.
5.	PROPOSED COVERED AREA ON SECOND FLOOR	-- 7462.00 SQ.M.
6.	PROPOSED COVERED AREA ON THIRD FLOOR	-- 7462.00 SQ.M.
7.	PROP. COVD. AREA ON 4TH FL.	-- 7462.00 SQ.M.
8.	PROP. COVD. AREA ON 5TH FL.	-- 53.00 SQ.M.
9.	TOTAL COVERED AREA (IN F.A.R. - 12.50)	= 29901.00 SQ.M.
10.	OPEN AREA ON GROUND FLOOR	-- 3063.00 SQ.M.
11.	AREA OF PORCH	-- 290.62 SQ.M.
12.	GROUND COVERAGE	-- 28.36 %
13.	GREEN AREA	-- 17.3%
14.	PROPOSED TOTAL PARKING	-- 345 ECS
15.	AREA REQUIRED FOR @ 32 SQM. PER ECS.	-- 10880 SQM

NORTH



SCALE

GENERAL NOTES

All Dimensions are in mm. or specified

STUDENT DETAIL

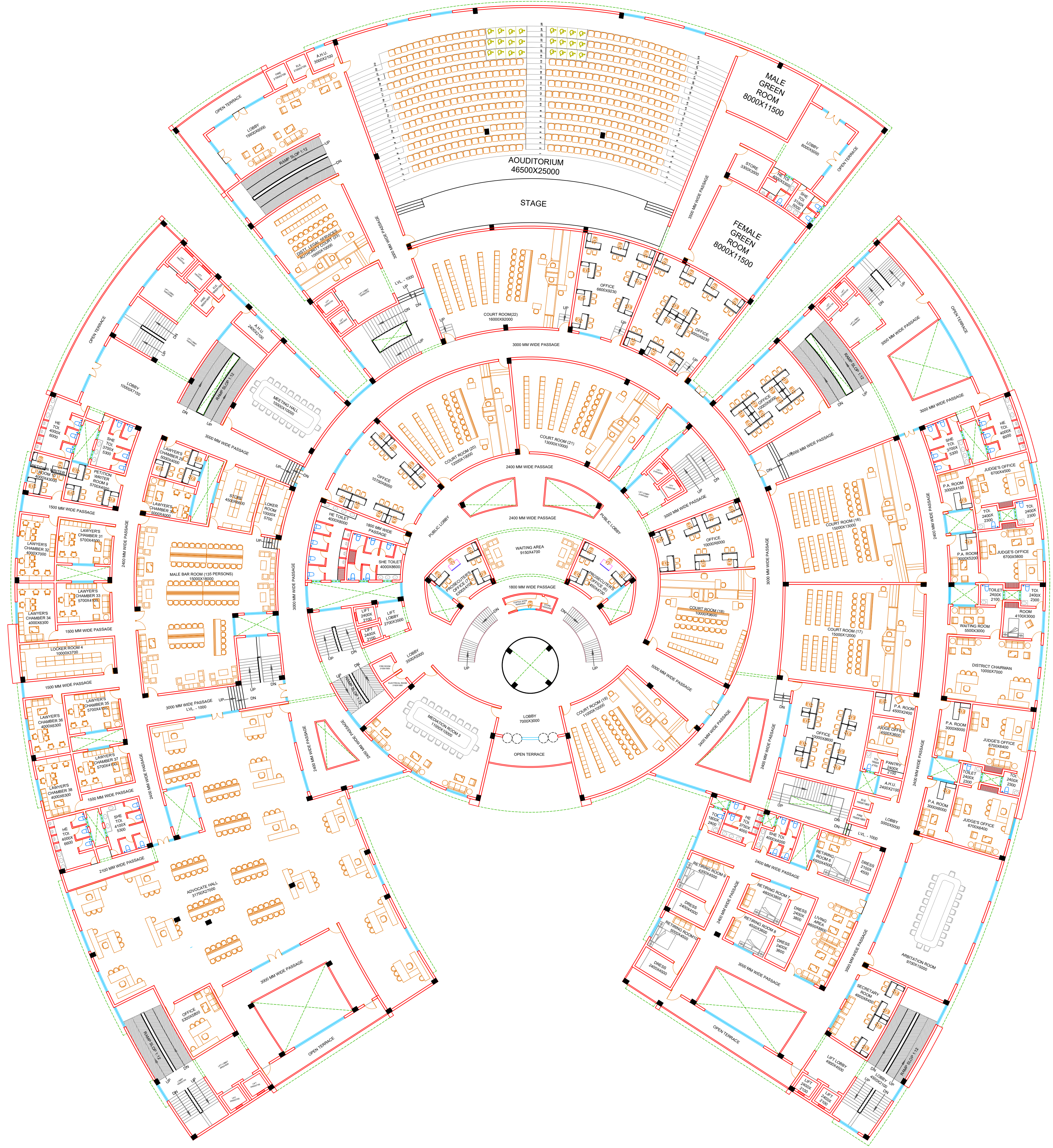
Name - Poornima Raj Chaudhary
Section - AR- 5-2
Roll. No. - 1150101051

GUIDE DETAIL

PR. MOHIT AGARWAL &
AR. RAMAKANT

FIRST FLOOR PLAN

SECOND FLOOR PLAN



THIRD FLOOR PLAN



PROJECT TITLE

PROPOSED PLAN FOR
'DISTRICT COURT COMPLEX
AT DEHRADUN'



BYE LAWS :-
SETBACKS
FRONT = 15.00 M. G. COVERAGE ALLOWED = 35%
REAR = 6.00 M. F.A.R. ALLOWED = 1.50
SIDE - 1 = 6.00 M.
SIDE - 2 = 6.00 M.

AREA STATEMENTS :-		
1.	TOTAL PLOT AREA	= 26314.0 SQ. M. = (6.30 ACRES)
2.	PROPOSED COVERED AREA ON BASEMENT - 1 (SERVICES)	-- 9250.00 SQ.M.
3.	PROPOSED COVERED AREA ON GROUND FLOOR	-- 7462.00 SQ.M.
4.	PROPOSED COVERED AREA ON FIRST FLOOR	-- 7462.00 SQ.M.
5.	PROPOSED COVERED AREA ON SECOND FLOOR	-- 7462.00 SQ.M.
6.	PROPOSED COVERED AREA ON THIRD FLOOR	-- 7462.00 SQ.M.
7.	PROP. COVD. AREA ON 4TH FL.	-- 7462.00 SQ.M.
8.	PROP. COVD. AREA ON 5TH FL.	-- 53.00 SQ.M.
TOTAL COVERED AREA		
9.	(IN F.A.R. - 12.50)	= 29901.00 SQ.M.
10.	OPEN AREA ON GROUND FLOOR	-- 3063.00 SQ.M.
11.	AREA OF PORCH	-- 290.62 SQ.M.
12.	GROUND COVERAGE	-- 28.36 %
13.	GREEN AREA	-- 17.3%
14.	PROPOSED TOTAL PARKING	-- 345 ECS
15.	AREA REQUIRED FOR @ 32 SQM. PER ECS.	-- 10880 SQM

NORTH

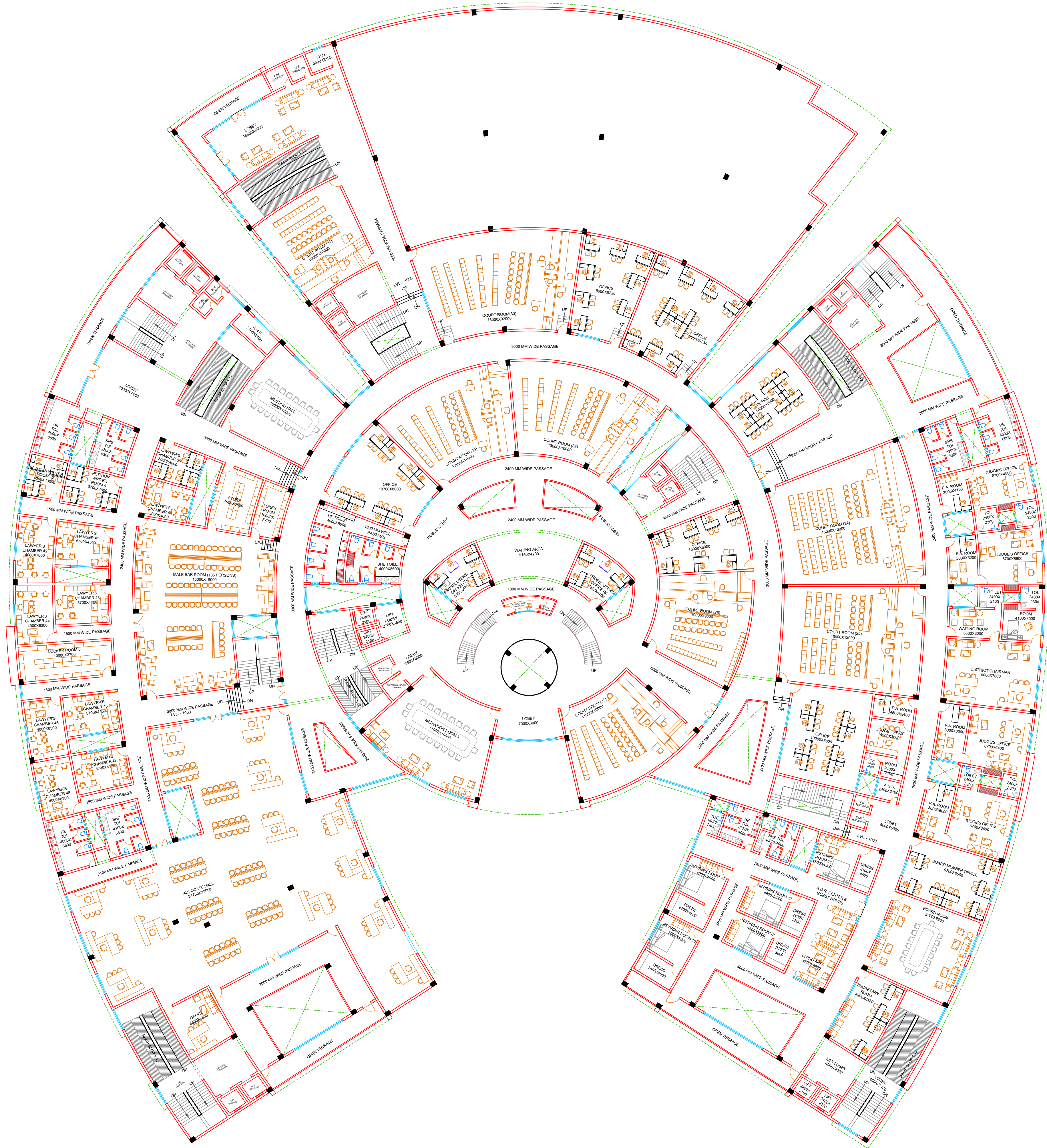
GENERAL NOTES

All Dimensions are in mm. or specified

SCALE	STUDENT DETAIL
	Name - Poornima Raj Chaudhary
	Section - AR- 5-2
	Roll. No. - 1150101051

SHEET NO.	GUIDE DETAIL
	PR. MOHIT AGARWAL & AR. RAMAKANT

THIRD FLOOR PLAN



FOURTH FLOOR PLAN



PROJECT TITLE

PROPOSED PLAN FOR
'DISTRICT COURT COMPLEX
AT DEHRADUN'

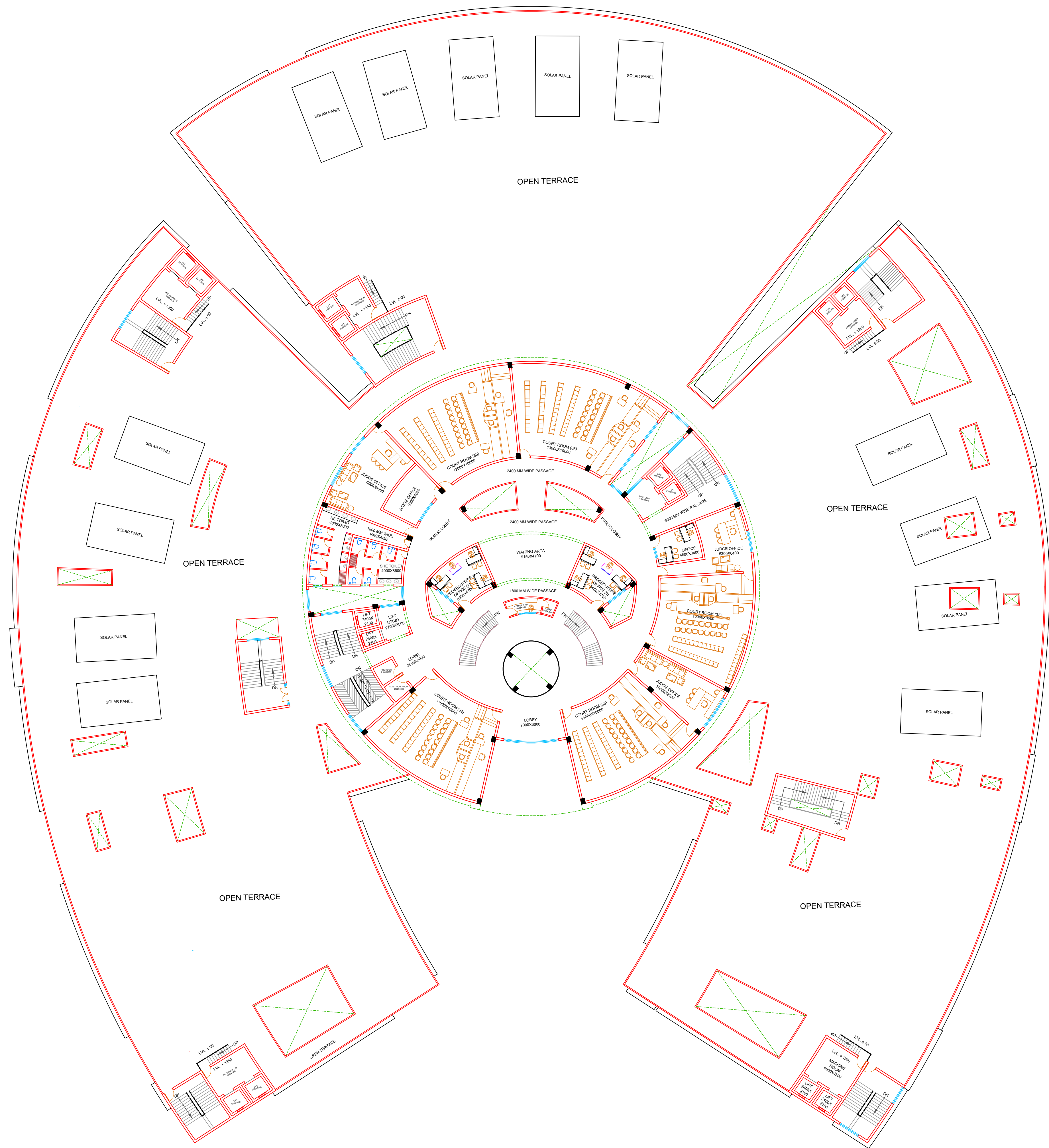


BYE LAWS :-

SETBACKS	
FRONT = 15.00 M.	G. COVERAGE ALLOWED = 35%
REAR = 6.00 M.	F.A.R. ALLOWED = 1.50
SIDE - 1 = 6.00 M.	
SIDE - 2 = 6.00 M.	

AREA STATEMENTS :-		
1.	TOTAL PLOT AREA	= 26314.0 SQ. M. = (6.30 ACRES)
2.	PROPOSED COVERED AREA ON BASEMENT - 1 (SERVICES)	-- 9250.00 SQ.M.
3.	PROPOSED COVERED AREA ON GROUND FLOOR	-- 7462.00 SQ.M.
4.	PROPOSED COVERED AREA ON FIRST FLOOR	-- 7462.00 SQ.M.
5.	PROPOSED COVERED AREA ON SECOND FLOOR	-- 7462.00 SQ.M.
6.	PROPOSED COVERED AREA ON THIRD FLOOR	-- 7462.00 SQ.M.
7.	PROP. COVD. AREA ON 4TH FL.	-- 7462.00 SQ.M.
8.	PROP. COVD. AREA ON 5TH FL.	-- 53.00 SQ.M.
TOTAL COVERED AREA (IN F.A.R. - 12.50)		= 29901.00 SQ.M.
10.	OPEN AREA ON GROUND FLOOR	-- 3063.00 SQ.M.
11.	AREA OF PORCH	-- 290.62 SQ.M.
12.	GROUND COVERAGE	-- 28.36 %
13.	GREEN AREA	-- 17.3%
14.	PROPOSED TOTAL PARKING	-- 345 ECS
15.	AREA REQUIRED FOR @ 32 SQM. PER ECS.	-- 10880 SQM

GENERAL NOTES	
All Dimensions are in mm. or specified	
SCALE	STUDENT DETAIL
	Name - Poornima Raj Chaudhary
	Section - AR- 5-2
	Roll. No. - 1150101051
SHEET NO.	GUIDE DETAIL
	PR. MOHIT AGARWAL & AR. RAMAKANT



FIFTH FLOOR PLAN



PROJECT TITLE

PROPOSED PLAN FOR
'DISTRICT COURT COMPLEX
AT DEHRADUN'



BYE LAWS :-
SETBACKS

FRONT = 15.00 M.	G. COVERAGE ALLOWED = 35%
REAR = 6.00 M.	F.A.R. ALLOWED = 1.50
SIDE - 1 = 6.00 M.	
SIDE - 2 = 6.00 M.	

AREA STATEMENTS :-		
1.	TOTAL PLOT AREA	= 26314.0 SQ. M. = (6.30 ACRES)
2.	PROPOSED COVERED AREA ON BASEMENT - 1 (SERVICES)	-- 9250.00 SQ.M.
3.	PROPOSED COVERED AREA ON GROUND FLOOR	-- 7462.00 SQ.M.
4.	PROPOSED COVERED AREA ON FIRST FLOOR	-- 7462.00 SQ.M.
5.	PROPOSED COVERED AREA ON SECOND FLOOR	-- 7462.00 SQ.M.
6.	PROPOSED COVERED AREA ON THIRD FLOOR	-- 7462.00 SQ.M.
7.	PROP. COVD. AREA ON 4TH FL.	-- 7462.00 SQ.M.
8.	PROP. COVD. AREA ON 5TH FL.	-- 53.00 SQ.M.
TOTAL COVERED AREA		
9.	(IN F.A.R. - 12.50)	= 29901.00 SQ.M.
10.	OPEN AREA ON GROUND FLOOR	-- 3063.00 SQ.M.
11.	AREA OF PORCH	-- 290.62 SQ.M.
12.	GROUND COVERAGE	-- 28.36 %
13.	GREEN AREA	-- 17.3%
14.	PROPOSED TOTAL PARKING	-- 345 ECS
15.	AREA REQUIRED FOR @ 32 SQM. PER ECS.	-- 10880 SQM

GENERAL NOTES	
All Dimensions are in mm. or specified	

SCALE	STUDENT DETAIL
	Name - Poornima Raj Chaudhary
	Section - AR- 5-2
	Roll. No. - 1150101051

SHEET NO.	GUIDE DETAIL
	PR. MOHIT AGARWAL & AR. RAMAKANT



PROJECT TITLE

PROPOSED PLAN FOR 'DISTRICT COURT COMPLEX AT DEHRADUN'



BYE LAWS :-

SETBACKS

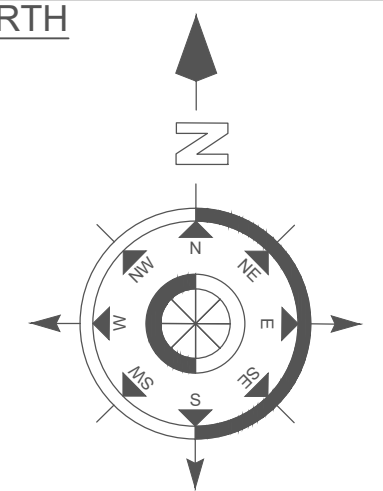
FRONT = 15.00 M. | G. COVERAGE ALLOWED = 35%

REAR	=	6.00 M.	F.A.R. ALLOWED = 1.50
------	---	---------	-----------------------

SIDE - 1 =	6.00 M.
------------	---------

SIDE - 2 = 6.00 M.

	AREA STATEMENTS :-	
1.	TOTAL PLOT AREA	= 26314.0 SQ. M. (= 6.30 ACRES)
2.	PROPOSED COVERED AREA ON BASEMENT - 1 (SERVICES)	-- 9250.00 SQ.M.
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5.	PROPOSED COVERED AREA ON SECOND FLOOR	-- 7462.00 SQ.M.
6.	PROPOSED COVERED AREA ON THIRD FLOOR	-- 7462.00 SQ.M.
7.	PROP. COVD. AREA ON 4TH FL.	-- 7462.00 SQ.M.
8.	PROP. COVD. AREA ON 5TH FL.	-- 53.00 SQ.M.
9.	TOTAL COVERED AREA (IN F.A.R. - 12.50)	= 29901.00 SQ.M.
10.	OPEN AREA ON GROUND FLOOR	-- 3063.00 SQ.M.
11.	AREA OF PORCH	-- 290.62 SQ.M.
12.	GROUND COVERAGE	-- 28.36 %
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NORTH

GENERAL NOTES

All Dimensions are in
mm. or specified

SCALE

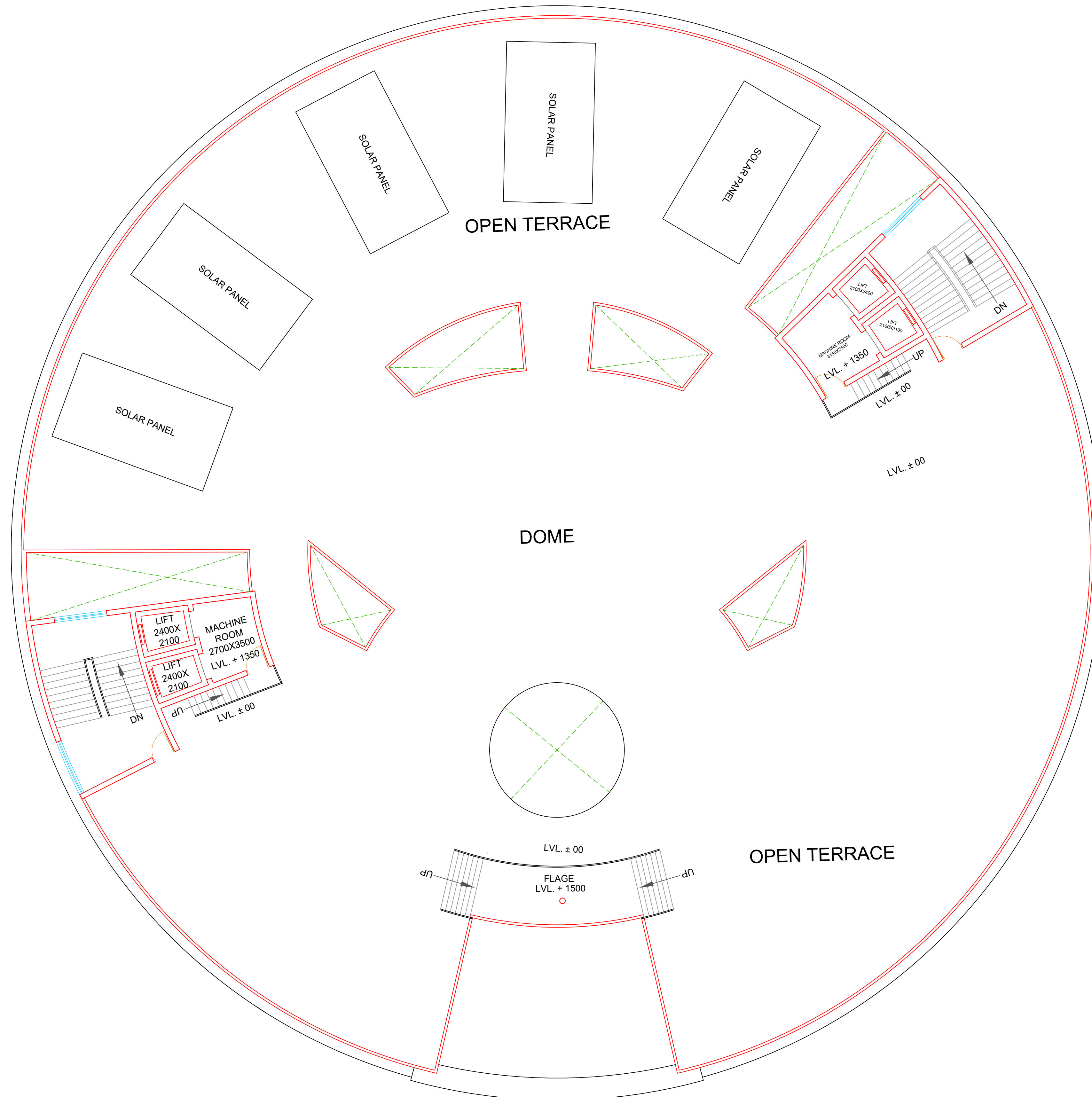
STUDENT DETAIL	
----------------	--

Name - Poornima Raj Chaudhary
Section - AR- 5-2
Roll. No. - 1150101051

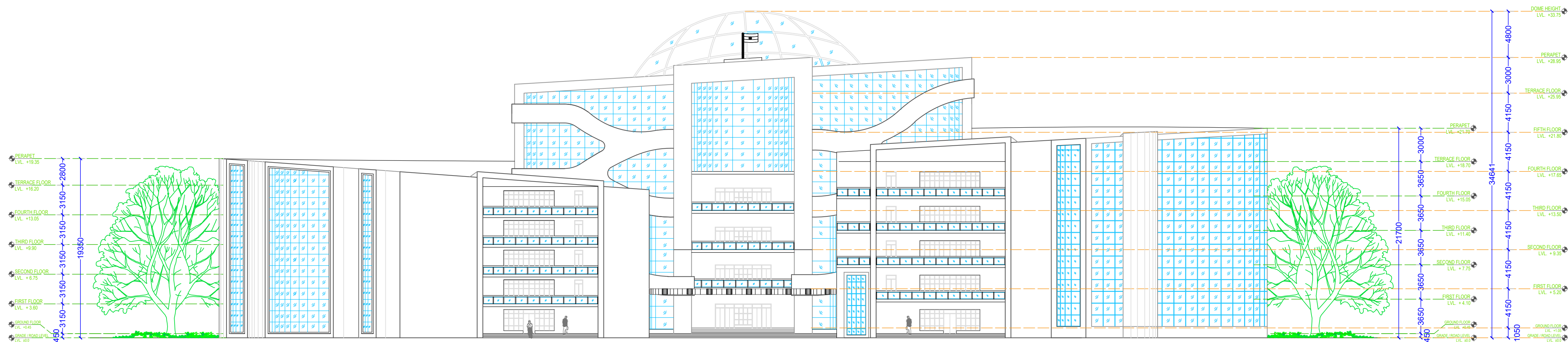
SHEET NO.

GUIDE DETAIL

PR. MOHIT AGARWAL
&
AR. RAMAKANT



TERRACE PLAN



This architectural elevation drawing shows a building facade with a central dome and multiple floors. The drawing includes height annotations in meters and feet. The building is divided into several sections, each with its own set of floor levels and heights.

Left Section:

- ROOF TOP: LVL. +0.00
- FIRST FLOOR: LVL. +4.10
- SECOND FLOOR: LVL. +7.75
- THIRD FLOOR: LVL. +11.40
- FOURTH FLOOR: LVL. +15.05
- TERRACE FLOOR: LVL. +18.70
- PERIMET: LVL. +22.35

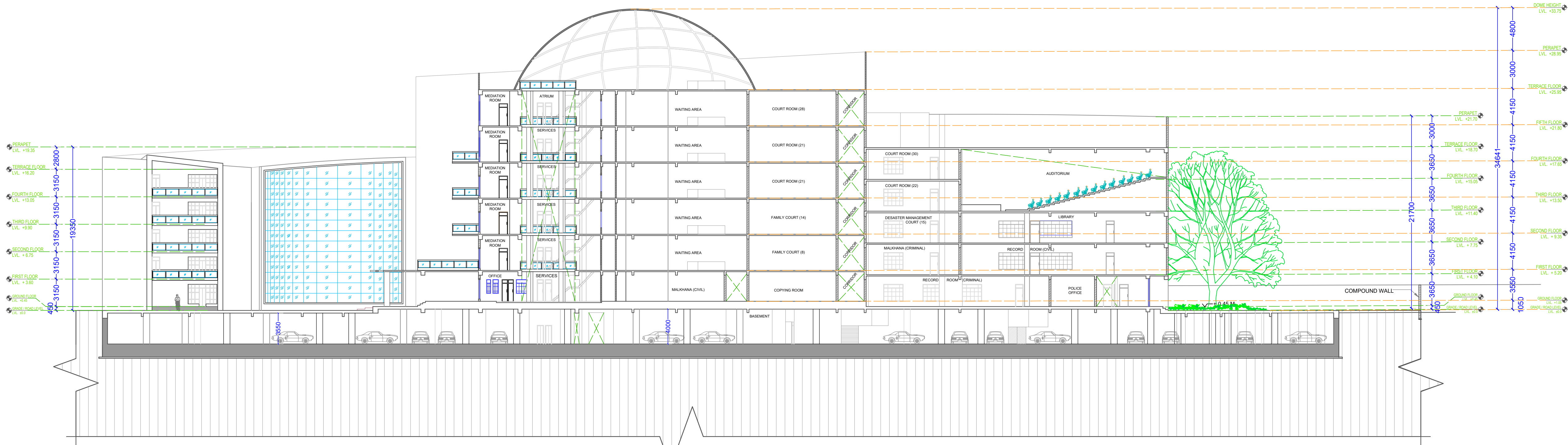
Right Section:

- PERIMET: LVL. +22.35
- TERRACE FLOOR: LVL. +25.90
- FIFTH FLOOR: LVL. +29.55
- FOURTH FLOOR: LVL. +33.20
- THIRD FLOOR: LVL. +36.85
- SECOND FLOOR: LVL. +40.50
- FIRST FLOOR: LVL. +44.15
- GROUND FLOOR: LVL. +47.80

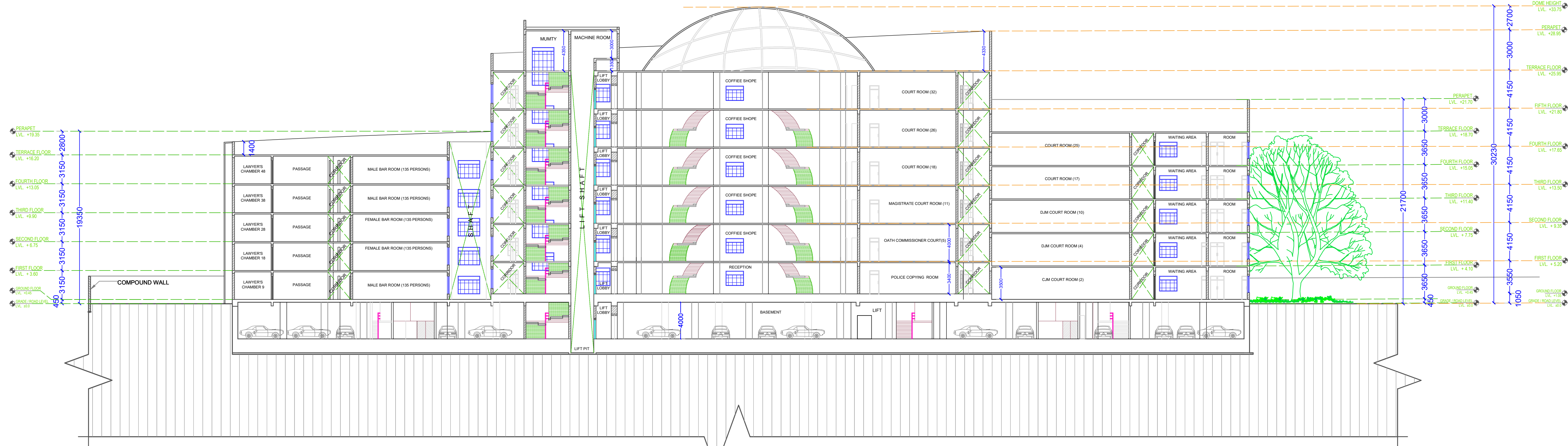
Overall Dimensions:

- Overall height from ground to the top of the dome: 34641
- Overall height from ground to the top of the building: 3000
- Overall height from ground to the top of the building: 21700
- Overall height from ground to the top of the building: 1000

PR. MOHIT AGARWAL
&
AR. RAMAKANT



VERTICAL SECTION BB'
(THROUGH ENTRANCE LOBBY)



HORIZONTAL SECTION AA'
(THROUGH ENTRANCE LOBBY)

SECTION AA' & BB' (VERTICAL & HORIZONTAL SECTION)



PROJECT TITLE

PROPOSED PLAN FOR
'DISTRICT COURT COMPLEX
AT DEHRADUN'



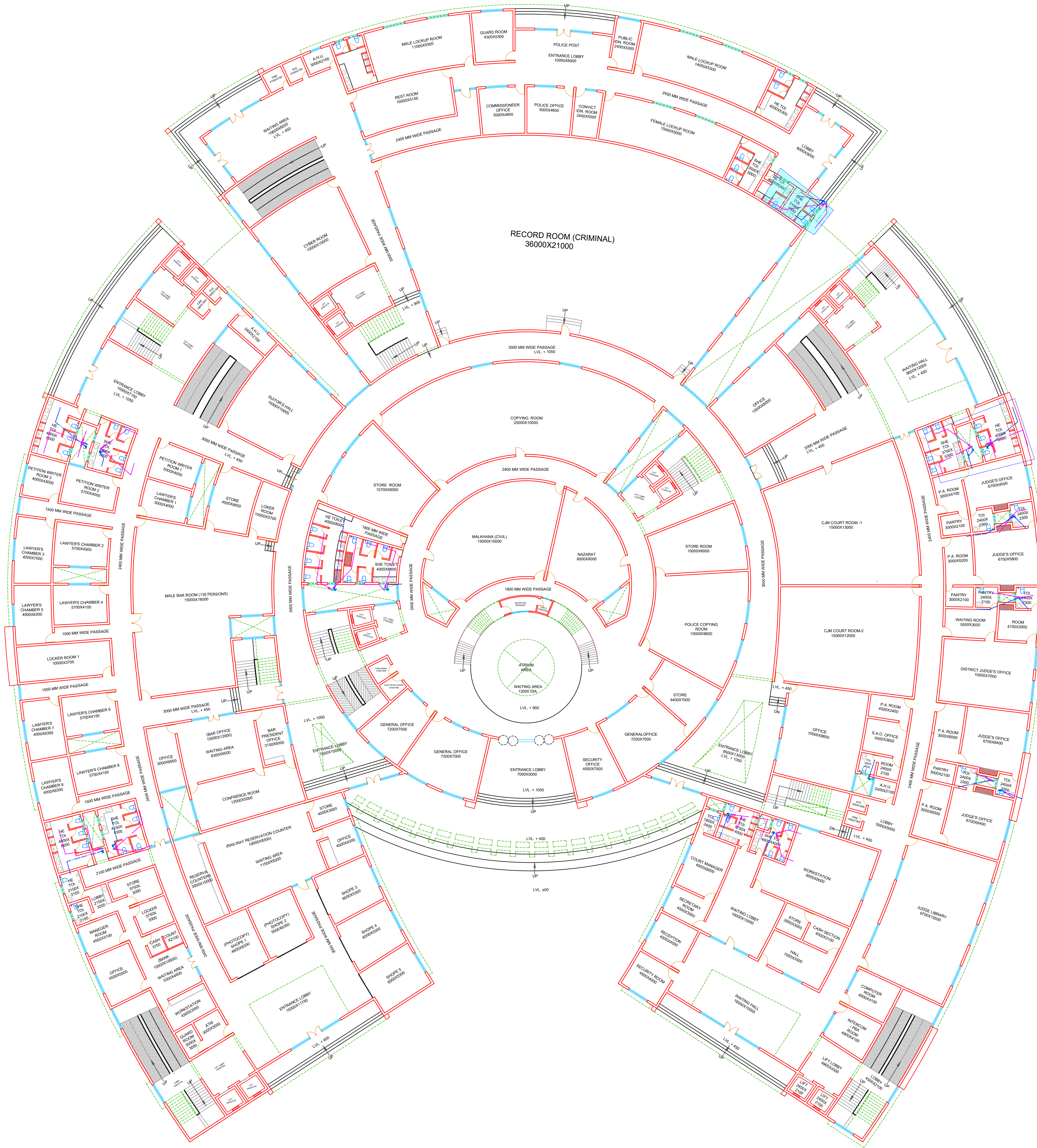
BYE LAWS :-

SETBACKS

FRONT = 15.00 M.	G. COVERAGE ALLOWED = 35%
REAR = 6.00 M.	F.A.R. ALLOWED = 1.50
SIDE - 1 = 6.00 M.	
SIDE - 2 = 6.00 M.	

AREA STATEMENTS :-	
1. TOTAL PLOT AREA	= 26314.0 SQ. M. (= 6.30 ACRES)
2. PROPOSED COVERED AREA ON BASEMENT - 1 (SERVICES) (280 nos.ECS)--	8420.00 SQ.M.
3. PROPOSED COVERED AREA ON GROUND FLOOR	-- 7462.00 SQ.M.
4. PROPOSED COVERED AREA ON FIRST FLOOR	-- 7462.00 SQ.M.
5. PROPOSED COVERED AREA ON SECOND FLOOR	-- 7462.00 SQ.M.
6. PROPOSED COVERED AREA ON THIRD FLOOR	-- 7462.00 SQ.M.
7. PROP. COVD. AREA ON 4TH FL.	-- 7462.00 SQ.M.
8. TOTAL COVERED AREA (IN F.A.R. - 12.50)	= 29848.00 SQ.M.
9. OPEN AREA ON GROUND FLOOR	-- 3063.00 SQ.M.
10. AREA OF PORCH	-- 290.62 SQ.M.
11. GROUND COVERAGE	-- 28.36 %
12. GREEN AREA	-- 17.3%
13. PROPOSED TOTAL PARKING	-- 345 ECS
14. AREA REQUIRED FOR @ 32 SQM. PER ECS.--	10880 SQM
15.	

GENERAL NOTES	
All Dimensions are in mm. or specified	
STUDENT DETAIL	
Name - Poornima Raj Chaudhary	
Section - AR- 5-2	
Roll. No. - 1150101051	
GUIDE DETAIL	
PR. MOHIT AGARWAL & AR. RAMAKANT	



GROUND FLOOR PLAN



PROJECT TITLE

PROPOSED PLAN FOR
'DISTRICT COURT COMPLEX
AT DEHRADUN'



BYE LAWS :-

SETBACKS

FRONT = 15.00 M.	G. COVERAGE ALLOWED = 35%
REAR = 6.00 M.	F.A.R. ALLOWED = 1.50
SIDE - 1 = 6.00 M.	
SIDE - 2 = 6.00 M.	

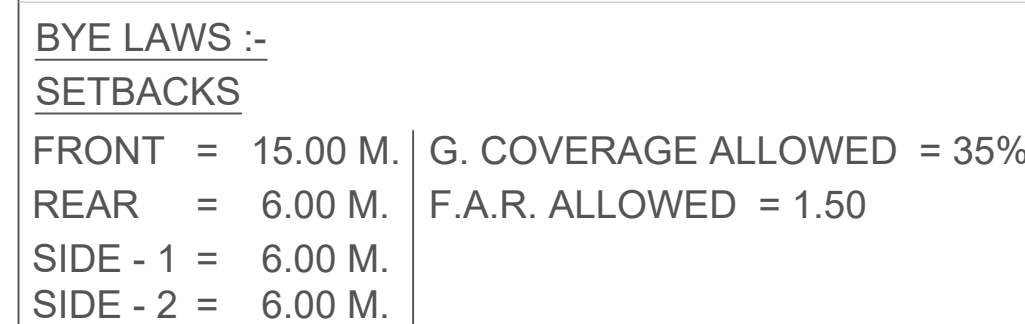
AREA STATEMENTS :-		
1.	TOTAL PLOT AREA	= 26314.0 SQ. M. = (6.30 ACRES)
2.	PROPOSED COVERED AREA ON BASEMENT - 1 (SERVICES)	-- 9250.00 SQ.M.
3.	PROPOSED COVERED AREA ON GROUND FLOOR	-- 7462.00 SQ.M.
4.	PROPOSED COVERED AREA ON FIRST FLOOR	-- 7462.00 SQ.M.
5.	PROPOSED COVERED AREA ON SECOND FLOOR	-- 7462.00 SQ.M.
6.	PROPOSED COVERED AREA ON THIRD FLOOR	-- 7462.00 SQ.M.
7.	PROP. COVD. AREA ON 4TH FL.	-- 7462.00 SQ.M.
8.	PROP. COVD. AREA ON 5TH FL.	-- 53.00 SQ.M.
9.	TOTAL COVERED AREA (IN F.A.R. - 12.50)	= 29901.00 SQ.M.
10.	OPEN AREA ON GROUND FLOOR	-- 3063.00 SQ.M.
11.	AREA OF PORCH	-- 290.62 SQ.M.
12.	GROUND COVERAGE	-- 28.36 %
13.	GREEN AREA	-- 17.3%
14.	PROPOSED TOTAL PARKING	-- 345 ECS
15.	AREA REQUIRED FOR @ 32 SQM. PER ECS.	-- 10880 SQM

GENERAL NOTES	
All Dimensions are in mm. or specified	
STUDENT DETAIL	
Name - Poornima Raj Chaudhary	
Section - AR- 5-2	
Roll. No. - 1150101051	
GUIDE DETAIL	
PR. MOHIT AGARWAL & AR. RAMAKANT	

FIRST FLOOR PLAN



PROPOSED PLAN FOR 'DISTRICT COURT COMPLEX AT DEHRADUN'



	AREA STATEMENTS :-	
1.	TOTAL PLOT AREA	= 26314.0 SQ. M. = (6.30 ACRES)
2.	PROPOSED COVERED AREA ON BASEMENT - 1 (SERVICES)	-- 9250.00 SQ.M.
3.	PROPOSED COVERED AREA ON GROUND FLOOR	-- 7462.00 SQ.M.
4.	PROPOSED COVERED AREA ON FIRST FLOOR	-- 7462.00 SQ.M.
5.	PROPOSED COVERED AREA ON SECOND FLOOR	-- 7462.00 SQ.M.
6.	PROPOSED COVERED AREA ON THIRD FLOOR	-- 7462.00 SQ.M.
7.	PROP. COVD. AREA ON 4TH FL.	-- 7462.00 SQ.M.
8.	PROP. COVD. AREA ON 5TH FL.	-- 53.00 SQ.M.
9.	TOTAL COVERED AREA (IN F.A.R. - 12.50)	= 29901.00 SQ.M.
10.	OPEN AREA ON GROUND FLOOR	-- 3063.00 SQ.M.
11.	AREA OF PORCH	-- 290.62 SQ.M.
12.	GROUND COVERAGE	-- 28.36 %
13.	GREEN AREA	-- 17.3%
14.	PROPOSED TOTAL PARKING	-- 345 ECS
15.	AREA REQUIRED FOR @ 32 SQM. PER ECS.	-- 10880 SQM

NORTH



GENERAL NOTES

All Dimensions are in mm. or specified

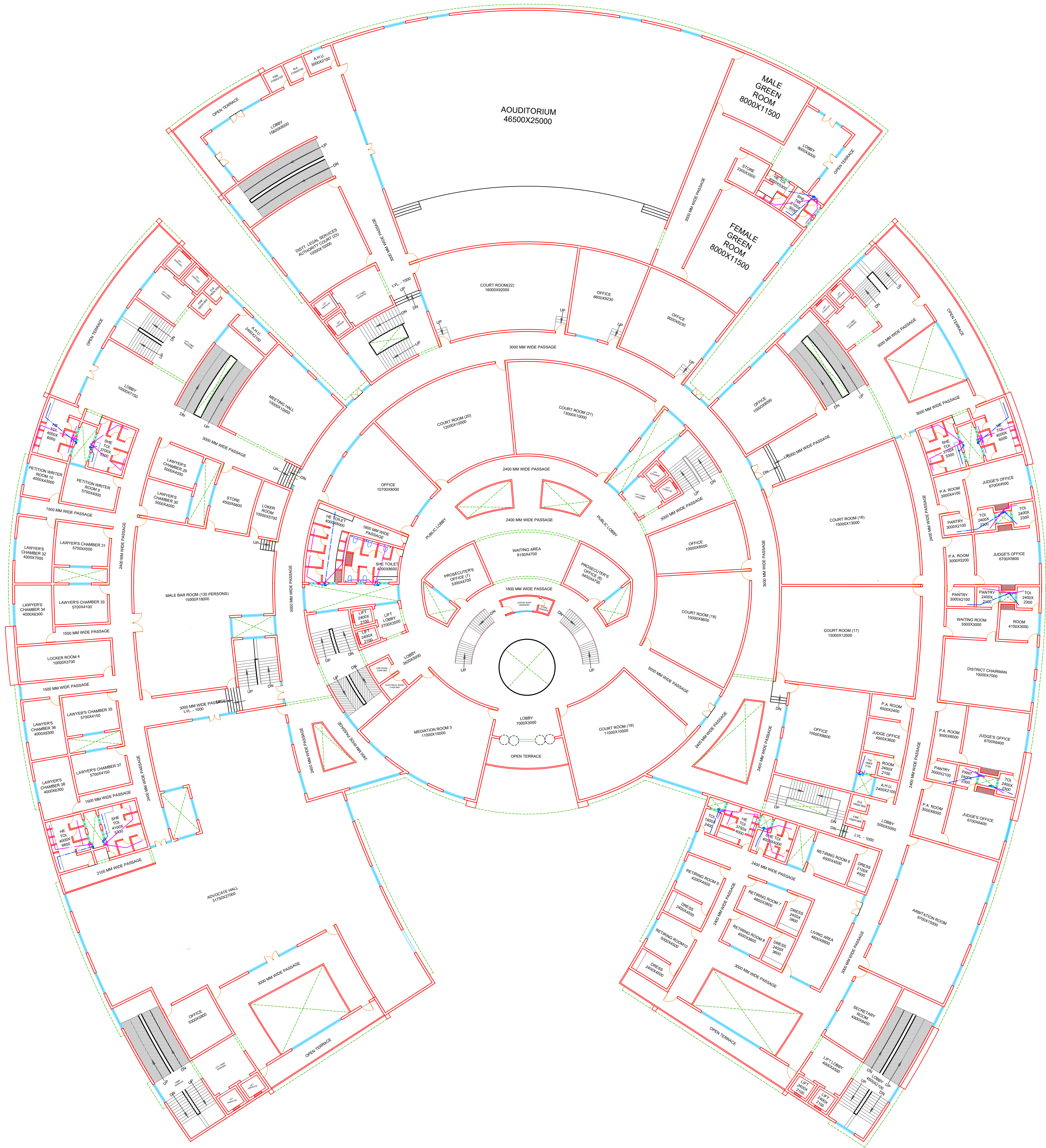
	STUDENT DETAIL
--	----------------

Name -	Poornima Ra Chaudhary
Section -	AR- 5-2
Roll. No. -	1150101051

GUIDE DETAIL

PR. MOHIT AGARWAL
&
AR. RAMAKANT

SECOND FLOOR PLAN



THIRD FLOOR PLAN



PROJECT TITLE

PROPOSED PLAN FOR
'DISTRICT COURT COMPLEX
AT DEHRADUN'



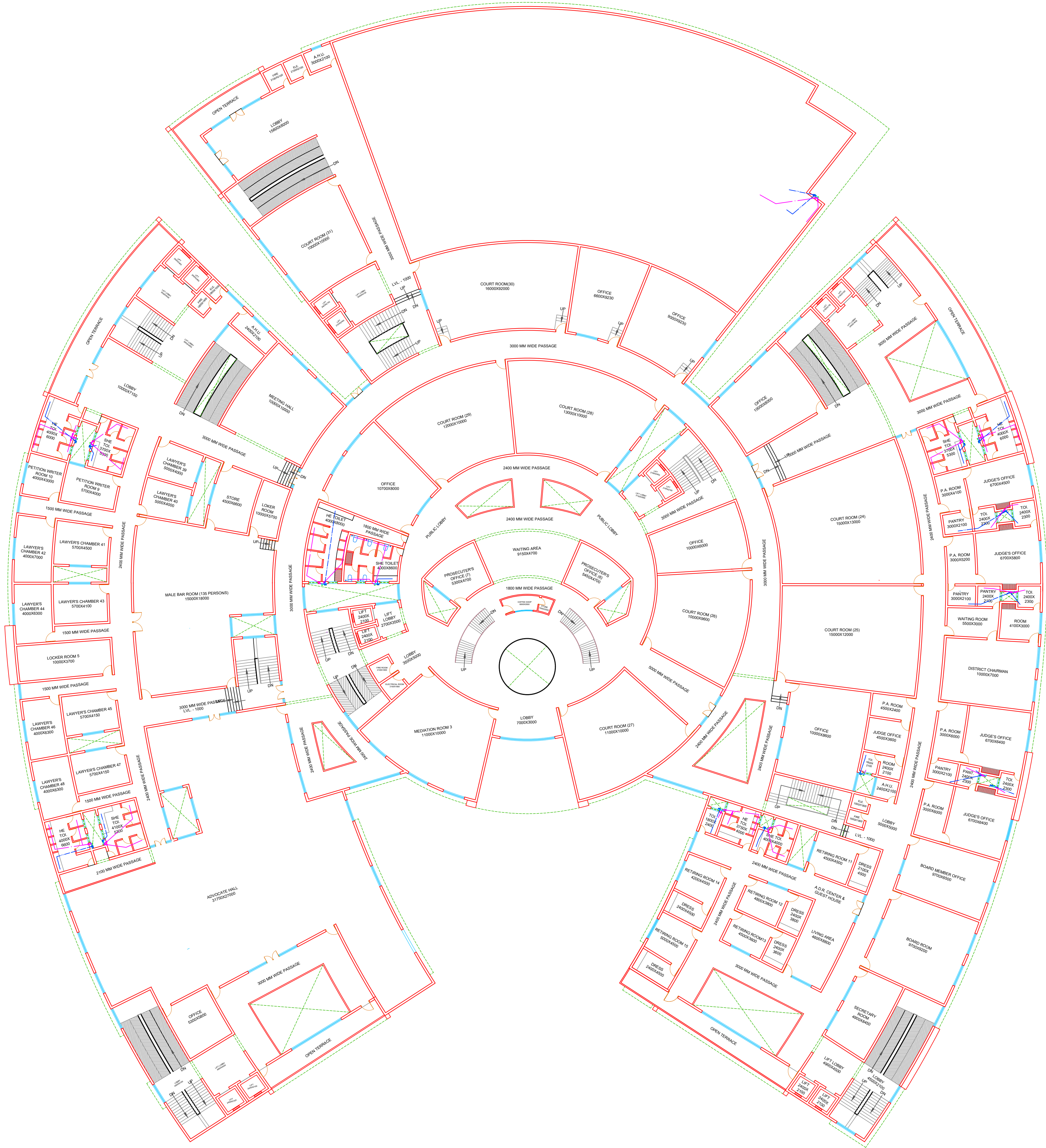
BYE LAWS :-

SETBACKS

FRONT = 15.00 M. G. COVERAGE ALLOWED = 35%
REAR = 6.00 M. F.A.R. ALLOWED = 1.50
SIDE - 1 = 6.00 M.
SIDE - 2 = 6.00 M.

AREA STATEMENTS :-		
1.	TOTAL PLOT AREA	= 26314.0 SQ. M. = (6.30 ACRES)
2.	PROPOSED COVERED AREA ON BASEMENT - 1 (SERVICES)	-- 9250.00 SQ.M.
3.	PROPOSED COVERED AREA ON GROUND FLOOR	-- 7462.00 SQ.M.
4.	PROPOSED COVERED AREA ON FIRST FLOOR	-- 7462.00 SQ.M.
5.	PROPOSED COVERED AREA ON SECOND FLOOR	-- 7462.00 SQ.M.
6.	PROPOSED COVERED AREA ON THIRD FLOOR	-- 7462.00 SQ.M.
7.	PROP. COVD. AREA ON 4TH FL.	-- 7462.00 SQ.M.
8.	PROP. COVD. AREA ON 5TH FL.	-- 53.00 SQ.M.
TOTAL COVERED AREA		
9.	(IN F.A.R. - 12.50)	= 29901.00 SQ.M.
10.	OPEN AREA ON GROUND FLOOR	-- 3063.00 SQ.M.
11.	AREA OF PORCH	-- 290.62 SQ.M.
12.	GROUND COVERAGE	-- 28.36 %
13.	GREEN AREA	-- 17.3%
14.	PROPOSED TOTAL PARKING	-- 345 ECS
15.	AREA REQUIRED FOR @ 32 SQM. PER ECS.	-- 10880 SQM

NORTH	GENERAL NOTES All Dimensions are in mm. or specified
	SCALE
SHEET NO.	STUDENT DETAIL Name - Poornima Raj Chaudhary Section - AR- 5-2 Roll. No. - 1150101051
	GUIDE DETAIL PR. MOHIT AGARWAL & AR. RAMAKANT



FOURTH FLOOR PLAN



PROJECT TITLE

PROPOSED PLAN FOR
'DISTRICT COURT COMPLEX
AT DEHRADUN'

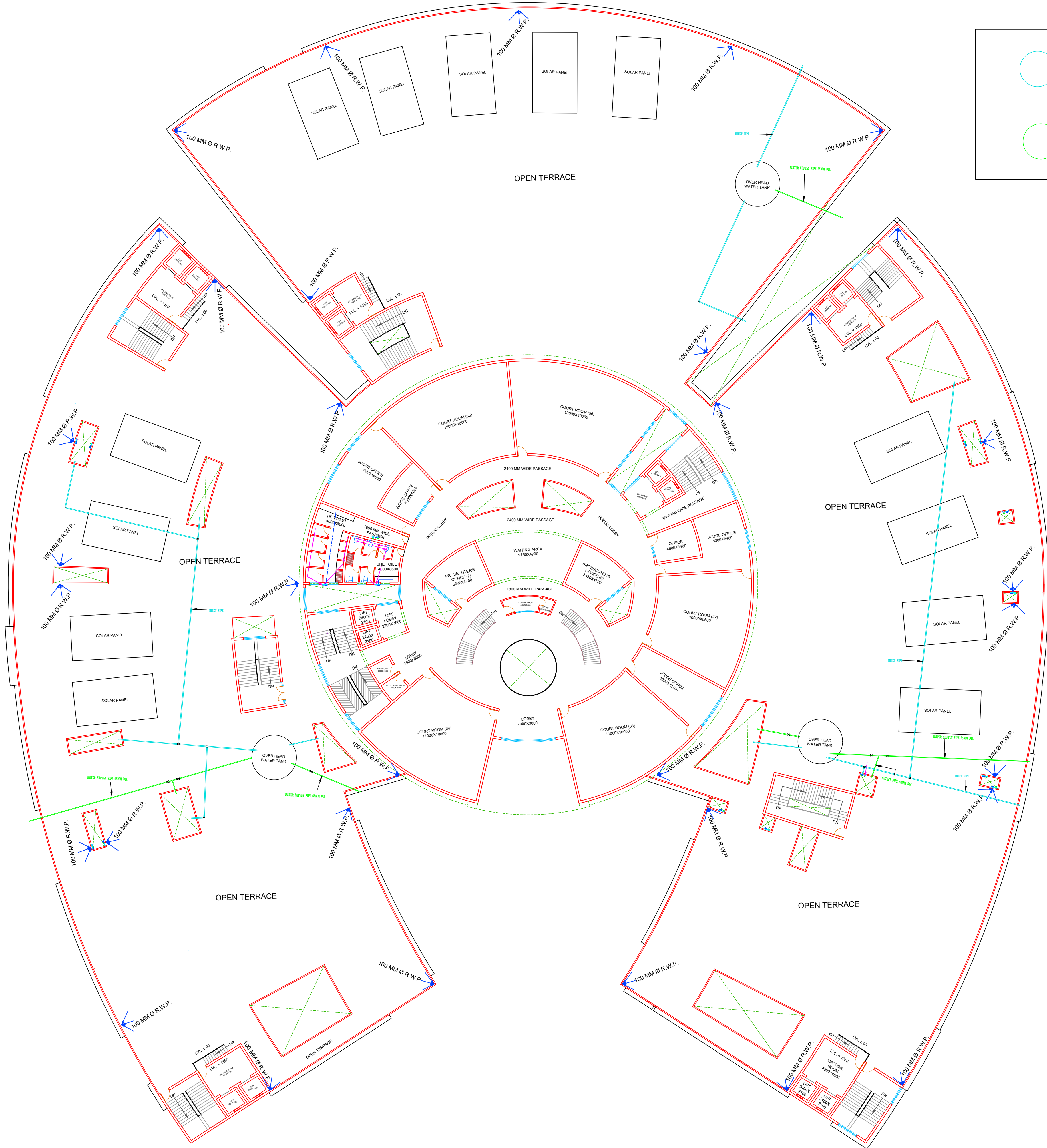


BYE LAWS :-
SETBACKS

FRONT = 15.00 M.	G. COVERAGE ALLOWED = 35%
REAR = 6.00 M.	F.A.R. ALLOWED = 1.50
SIDE - 1 = 6.00 M.	
SIDE - 2 = 6.00 M.	

AREA STATEMENTS :-		
1.	TOTAL PLOT AREA	= 26314.0 SQ. M. = (6.30 ACRES)
2.	PROPOSED COVERED AREA ON BASEMENT - 1 (SERVICES)	-- 9250.00 SQ.M.
3.	PROPOSED COVERED AREA ON GROUND FLOOR	-- 7462.00 SQ.M.
4.	PROPOSED COVERED AREA ON FIRST FLOOR	-- 7462.00 SQ.M.
5.	PROPOSED COVERED AREA ON SECOND FLOOR	-- 7462.00 SQ.M.
6.	PROPOSED COVERED AREA ON THIRD FLOOR	-- 7462.00 SQ.M.
7.	PROP. COVD. AREA ON 4TH FL.	-- 7462.00 SQ.M.
8.	PROP. COVD. AREA ON 5TH FL.	-- 53.00 SQ.M.
TOTAL COVERED AREA		
9.	(IN F.A.R. - 12.50)	= 29901.00 SQ.M.
10.	OPEN AREA ON GROUND FLOOR	-- 3063.00 SQ.M.
11.	AREA OF PORCH	-- 290.62 SQ.M.
12.	GROUND COVERAGE	-- 28.36 %
13.	GREEN AREA	-- 17.3%
14.	PROPOSED TOTAL PARKING	-- 345 ECS
15.	AREA REQUIRED FOR @ 32 SQM. PER ECS.	-- 10880 SQM

GENERAL NOTES	
All Dimensions are in mm. or specified	
SCALE	STUDENT DETAIL
	Name - Poornima Raj Chaudhary
	Section - AR- 5-2
	Roll. No. - 1150101051
SHEET NO.	GUIDE DETAIL
	PR. MOHIT AGARWAL & AR. RAMAKANT



FIFTH FLOOR PLAN



PROJECT TITLE

PROPOSED PLAN FOR
'DISTRICT COURT COMPLEX
AT DEHRADUN'



BYE LAWS :-

SETBACKS

FRONT = 15.00 M.	G. COVERAGE ALLOWED = 35%
REAR = 6.00 M.	F.A.R. ALLOWED = 1.50
SIDE - 1 = 6.00 M.	
SIDE - 2 = 6.00 M.	

AREA STATEMENTS :-		
1.	TOTAL PLOT AREA	= 26314.0 SQ. M. (= 6.30 ACRES)
2.	PROPOSED COVERED AREA ON BASEMENT - 1 (SERVICES)	-- 9250.00 SQ.M.
3.	PROPOSED COVERED AREA ON GROUND FLOOR	-- 7462.00 SQ.M.
4.	PROPOSED COVERED AREA ON FIRST FLOOR	-- 7462.00 SQ.M.
5.	PROPOSED COVERED AREA ON SECOND FLOOR	-- 7462.00 SQ.M.
6.	PROPOSED COVERED AREA ON THIRD FLOOR	-- 7462.00 SQ.M.
7.	PROP. COVD. AREA ON 4TH FL.	-- 7462.00 SQ.M.
8.	PROP. COVD. AREA ON 5TH FL.	-- 53.00 SQ.M.
9.	TOTAL COVERED AREA (IN F.A.R. - 12.50)	= 29901.00 SQ.M.
10.	OPEN AREA ON GROUND FLOOR	-- 3063.00 SQ.M.
11.	AREA OF PORCH	-- 290.62 SQ.M.
12.	GROUND COVERAGE	-- 28.36 %
13.	GREEN AREA	-- 17.3%
14.	PROPOSED TOTAL PARKING	-- 345 ECS
15.	AREA REQUIRED FOR @ 32 SQM. PER ECS.	-- 10880 SQM

GENERAL NOTES	
All Dimensions are in mm. or specified	
STUDENT DETAIL	
Name - Poornima Raj Chaudhary	
Section - AR- 5-2	
Roll. No. - 1150101051	
GUIDE DETAIL	
PR. MOHIT AGARWAL & AR. RAMAKANT	



PROJECT TITLE

PROPOSED PLAN FOR
'DISTRICT COURT COMPLEX
AT DEHRADUN'



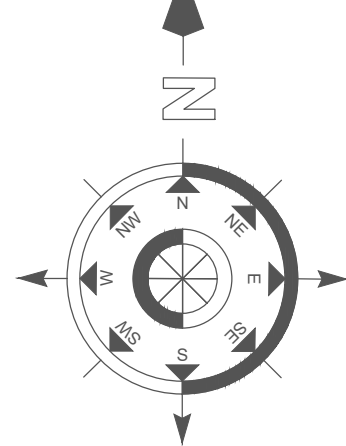
BYE LAWS :-

SETBACKS

FRONT = 15.00 M.	G. COVERAGE ALLOWED = 35%
REAR = 6.00 M.	F.A.R. ALLOWED = 1.50
SIDE - 1 = 6.00 M.	
SIDE - 2 = 6.00 M.	

AREA STATEMENTS :-		
1.	TOTAL PLOT AREA	= 26314.0 SQ. M. = (6.30 ACRES)
2.	PROPOSED COVERED AREA ON BASEMENT - 1 (SERVICES)	-- 9250.00 SQ.M.
3.	PROPOSED COVERED AREA ON GROUND FLOOR	-- 7462.00 SQ.M.
4.	PROPOSED COVERED AREA ON FIRST FLOOR	-- 7462.00 SQ.M.
5.	PROPOSED COVERED AREA ON SECOND FLOOR	-- 7462.00 SQ.M.
6.	PROPOSED COVERED AREA ON THIRD FLOOR	-- 7462.00 SQ.M.
7.	PROP. COVD. AREA ON 4TH FL.	-- 7462.00 SQ.M.
8.	PROP. COVD. AREA ON 5TH FL.	-- 53.00 SQ.M.
TOTAL COVERED AREA		
9.	(IN F.A.R. - 12.50)	= 29901.00 SQ.M.
10.	OPEN AREA ON GROUND FLOOR	-- 3063.00 SQ.M.
11.	AREA OF PORCH	-- 290.62 SQ.M.
12.	GROUND COVERAGE	-- 28.36 %
13.	GREEN AREA	-- 17.3%
14.	PROPOSED TOTAL PARKING	-- 345 ECS
15.	AREA REQUIRED FOR @ 32 SQM. PER ECS.--	10880 SQM

NORTH



GENERAL NOTES

All Dimensions are in mm. or specified

SCALE

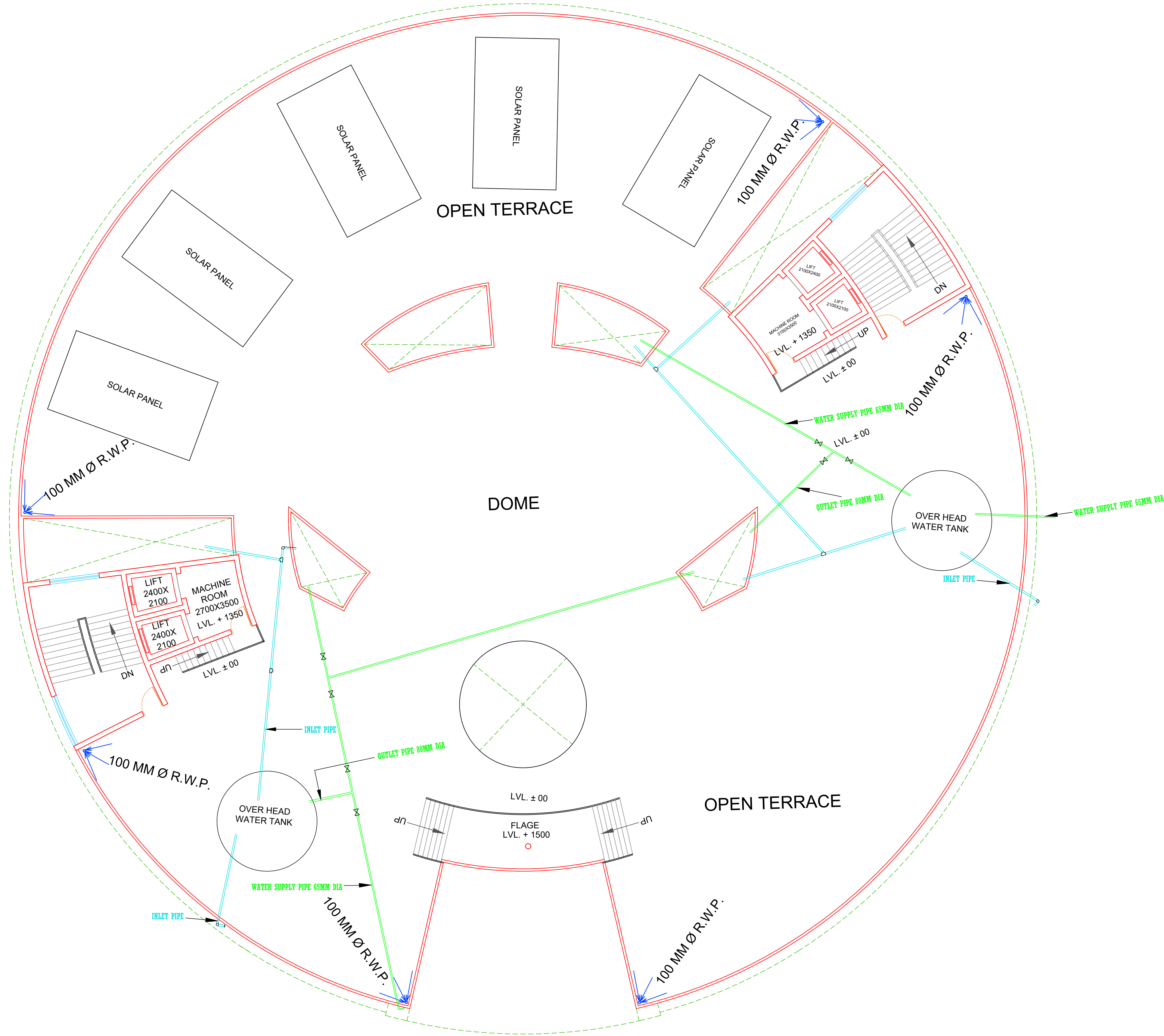
STUDENT DETAIL

Name - Poornima Raj Chaudhary
Section - AR- 5-2
Roll. No. - 1150101051

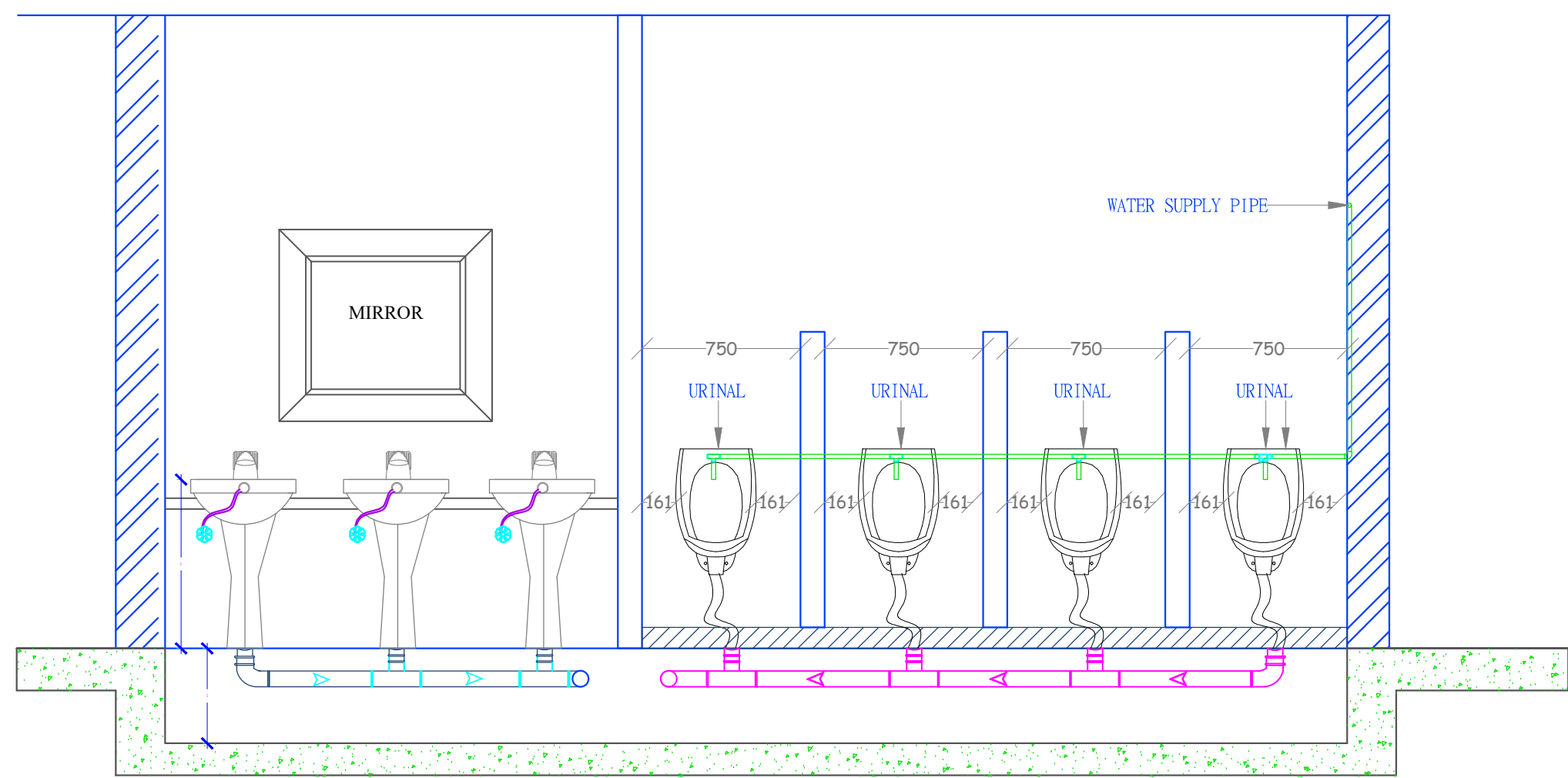
SHEET NO.

GUIDE DETAIL

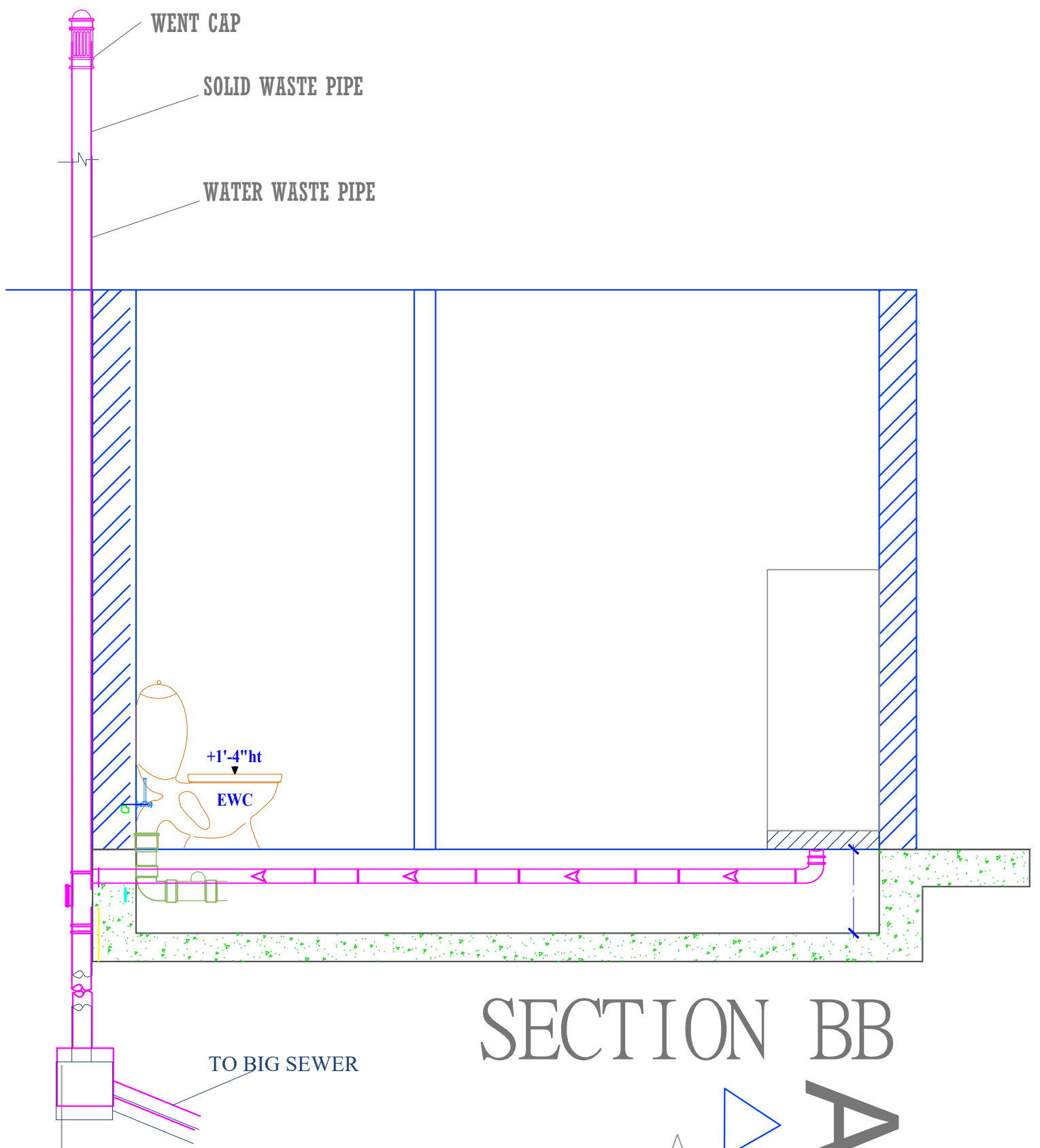
PR. MOHIT AGARWAL
&
AR. RAMAKANT



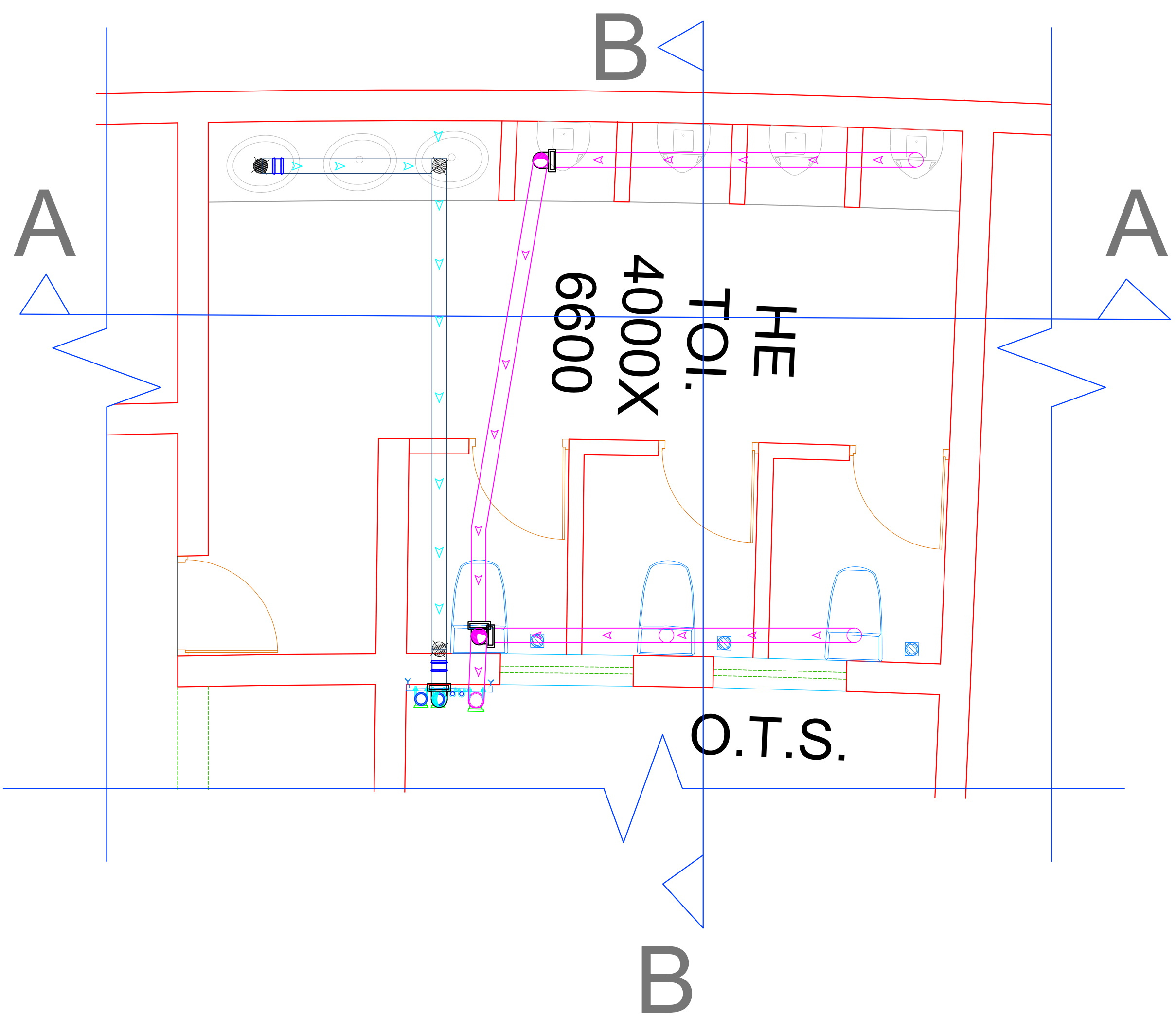
TERRACE PLAN



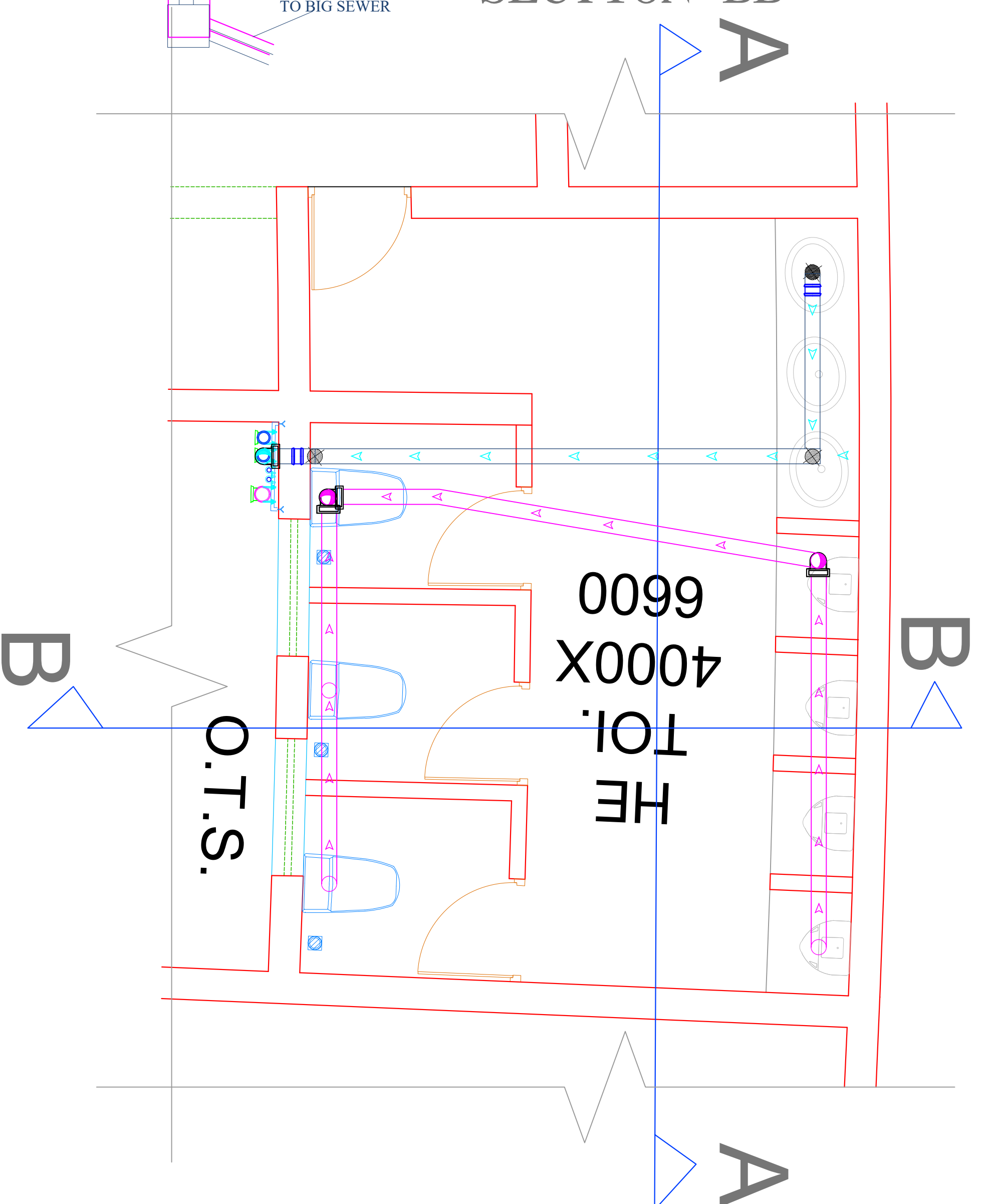
SECTION AA



SECTION BB



TYPICAL TOILET DETAIL



PROJECT TITLE

PROPOSED PLAN FOR
'DISTRICT COURT COMPLEX
AT DEHRADUN'



BYE LAWS :-
SETBACKS
FRONT = 15.00 M. G. COVERAGE ALLOWED = 35%
REAR = 6.00 M. F.A.R. ALLOWED = 1.50
SIDE - 1 = 6.00 M.
SIDE - 2 = 6.00 M.

AREA STATEMENTS :-		
1.	TOTAL PLOT AREA	= 26314.0 SQ. M. (= 6.30 ACRES)
2.	PROPOSED COVERED AREA ON BASEMENT - 1 (SERVICES)	-- 9250.00 SQ.M.
3.	PROPOSED COVERED AREA ON GROUND FLOOR	-- 7462.00 SQ.M.
4.	PROPOSED COVERED AREA ON FIRST FLOOR	-- 7462.00 SQ.M.
5.	PROPOSED COVERED AREA ON SECOND FLOOR	-- 7462.00 SQ.M.
6.	PROPOSED COVERED AREA ON THIRD FLOOR	-- 7462.00 SQ.M.
7.	PROP. COVD. AREA ON 4TH FL.	-- 7462.00 SQ.M.
8.	PROP. COVD. AREA ON 5TH FL.	-- 53.00 SQ.M.
9.	TOTAL COVERED AREA (IN F.A.R. - 12.50)	= 29901.00 SQ.M.
10.	OPEN AREA ON GROUND FLOOR	-- 3063.00 SQ.M.
11.	AREA OF PORCH	-- 290.62 SQ.M.
12.	GROUND COVERAGE	-- 28.36 %
13.	GREEN AREA	-- 17.3%
14.	PROPOSED TOTAL PARKING	-- 345 ECS
15.	AREA REQUIRED FOR @ 32 SQM. PER ECS.	-- 10880 SQM

NORTH

GENERAL NOTES

All Dimensions are in mm. or specified

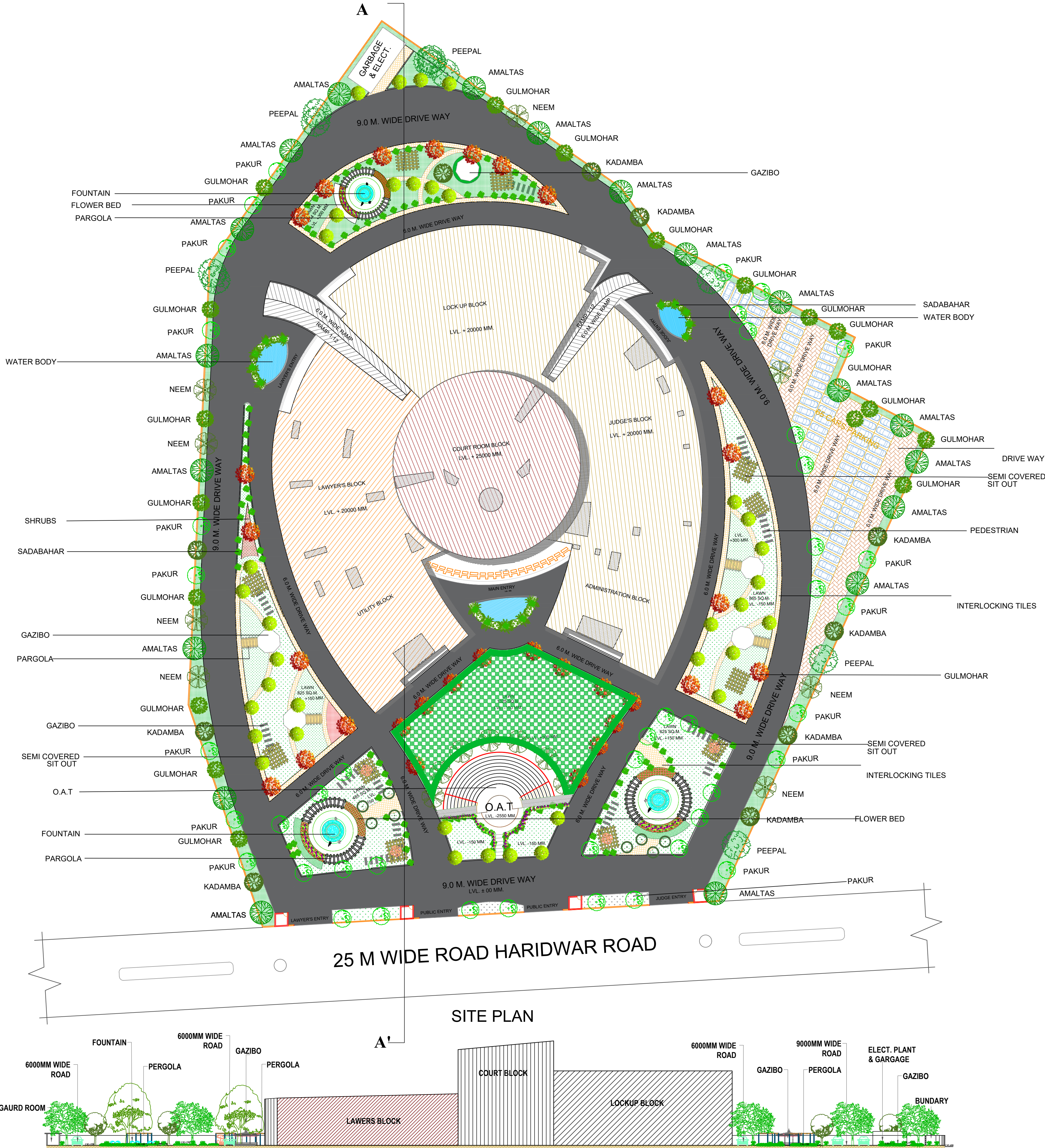
SCALE	STUDENT DETAIL
	Name - Poornima Raj Chaudhary
	Section - AR- 5-2
	Roll. No. - 1150101051

SHEET NO.	GUIDE DETAIL
	PR. MOHIT AGARWAL & AR. RAMAKANT

LEGENED:

S.NO	BOTINCAL NAME	LOCAL NAME	HEIGHT / SHAPE	FOLIAGE	FLOWERING	SPECIAL FEATURE	USES
1.	DELONIX REGIA	GULMOHAR	15 TO 15M UMBRELLA SHAPED	LIGHT FEATHERY 15 TO 20 CM FRINCAE	SCARLET RED ORANGE WRINKLED AT TIP. APR-JUN	EVERGREEN QUICK GROWING	EAST PERIPHERY ALONG JUDGE BLOCK
2.	SPATHODEA CAMPANULATA	AMALTAS	5 TO 10M HIGH	LIGHT FEATHERY 15 TO 20 CM FRINCAE	SCARLET RED ORANGE WRINKLED AT TIP. APR-JUN	EVERGREEN QUICK GROWING	ALONG SOUTH & WEST PERIPHERY FOR SHADE
3.	SARCA INDICA	ASHOKA	20MT COLUMNAR	LARGE, 50 TO 80 CM LEAF 4 TO 6 CM LONG	WHITE CYLINDRICAL 25 TO 30 CM LONG FRAGRANCE, AND FLOWERING BEGINS FEB TO APRIL	EVERGREEN QUICK GROWING	ALONG NORTH WEST PERIPHERY OF PREMISES
4.		QUEEN OF NIGHTS	LARGE SHRUB	LEAVES ALTERNATE OVATE ALONG BRANCH LONG	CREAMY WHITE LIGHTLY SCENTED AT NIGHTS, 3CM LONG TUBULAR BLOSSOM SUMMER AND RAIN	EVERGREEN	OVER EARTH MOORING & SHADE FOR ROAD

5.	KADAMBA INDICA	NEEM	10 TO 15MT SPHERICAL	DELICATE SHINY 30 TO 40 CM SCENTED	YELLOW IN MAHAPRA	MEDICINAL, PURPOSE, SLOW GROWING	SHADE FOR SITOUT IN G.A.T
6.	ANTHOCEPALUS CADAMBA	KADAMBA	10 TO 15 MT CYLINDRICAL	DELICATE SHINY 30 TO 40 CM SCENTED	YELLOW ORANGE IN MAHAPRA	MEDICINAL, PURPOSE, SLOW GROWING	SHADE FOR ROAD & SITOUT
7.	HIBISCUS ROSA SINENSIS	CHINA ROSE	1 TO 3M	OVATE COMPLEX TOOTHED	LARGE WHITE/ RED/PINK	USED AS HEDGE	AROUND SWIMMING POOL
8.	CHRYSANTHEMUM	SADABAHAR	40 TO 60 CM	DULL GREEN SMALL	WHITE, YELLOW, PINK, PURPLE & WHITE. NUMEROUS PETALS		AROUND PARKING AND WATER BODY
9.	THESPESIA POPULAREA	PARAS PIPAL	6-10 M TALL CORDATE SHAPE	DULL GREEN	WHITE, YELLOW/ PINK, PURPLE & WHITE. NUMEROUS PETALS		AROUND ROAD FOR SHADING
10.	FIGUS INFECTORIA	PAKUR	30M HT. CORDATE SHAPE	10 TO 17 CM LONG LEAF, DENSE	GREEN TURNING TO PURPLE	SEMI EVERGREEN	SHADE FOR PARKING
11.	DELONIX REGIA	GULMOHAR	15 TO 15M UMBRELLA SHAPED		IT IS A TREE THAT IS LARGELY GROWN FOR ITS BEAUTY. THE LEAF WHICH IS WHITE AND SOFTY IS USED FOR MAKING ORNAMENTS, AND CAN BE VERY HEAVY. POSSIBLY THE FLOWERS AND BUDS ARE USED (AS A HERB) FOR FLAVOURING FOOD.		



PROJECT TITLE

PROPOSED PLAN FOR 'DISTRICT COURT COMPLEX AT DEHRADUN'



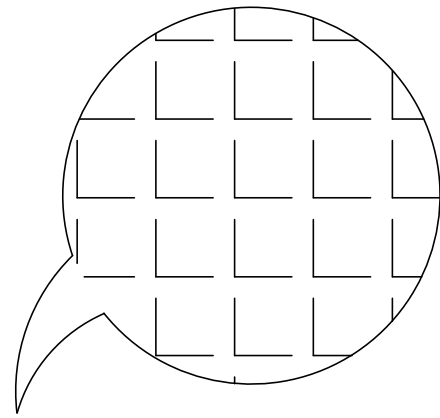
BYE LAWS :-

SETBACKS

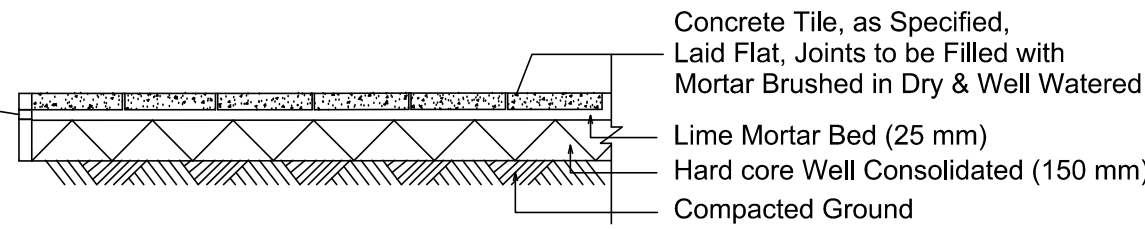
FRONT = 15.00 M.	G. COVERAGE ALLOWED = 35%
REAR = 6.00 M.	F.A.R. ALLOWED = 1.50
SIDE - 1 = 6.00 M.	
SIDE - 2 = 6.00 M.	

AREA STATEMENTS :-		
1.	TOTAL PLOT AREA	= 26314.0 SQ. M. (= 6.30 ACRES)
2.	PROPOSED COVERED AREA ON BASEMENT - 1 (SERVICES)	-- 9250.00 SQ.M.
3.	PROPOSED COVERED AREA ON GROUND FLOOR	-- 7462.00 SQ.M.
4.	PROPOSED COVERED AREA ON FIRST FLOOR	-- 7462.00 SQ.M.
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6.	PROPOSED COVERED AREA ON THIRD FLOOR	-- 7462.00 SQ.M.
7.	PROP. COVD. AREA ON 4TH FL.	-- 7462.00 SQ.M.
8.	PROP. COVD. AREA ON 5TH FL.	-- 53.00 SQ.M.
9.	TOTAL COVERED AREA (IN F.A.R. - 12.50)	= 29901.00 SQ.M.
10.	OPEN AREA ON GROUND FLOOR	-- 3063.00 SQ.M.
11.	AREA OF PORCH	-- 290.62 SQ.M.
12.	GROUND COVERAGE	-- 28.36 %
13.	GREEN AREA	-- 17.3%
14.	PROPOSED TOTAL PARKING	-- 345 ECS
15.	AREA REQUIRED FOR @ 32 SQM. PER ECS.--	10880 SQM

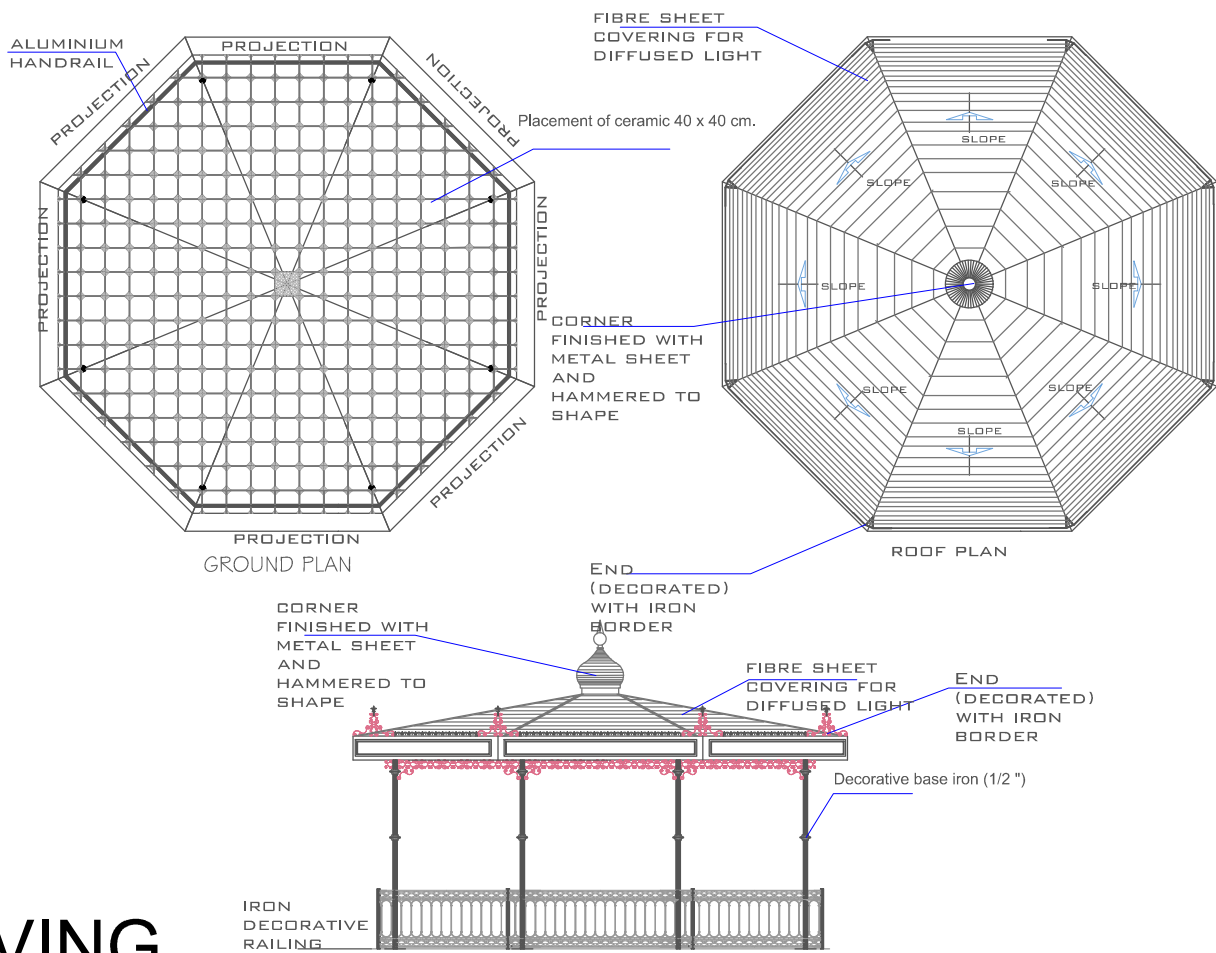
NORTH 	GENERAL NOTES All Dimensions are in mm. or specified
	STUDENT DETAIL Name - Poornima Raj Chaudhary Section - AR- 5-2 Roll. No. - 1150101051
SCALE	GUIDE DETAIL PR. MOHIT AGARWAL & AR. RAMAKANT
SHEET NO.	



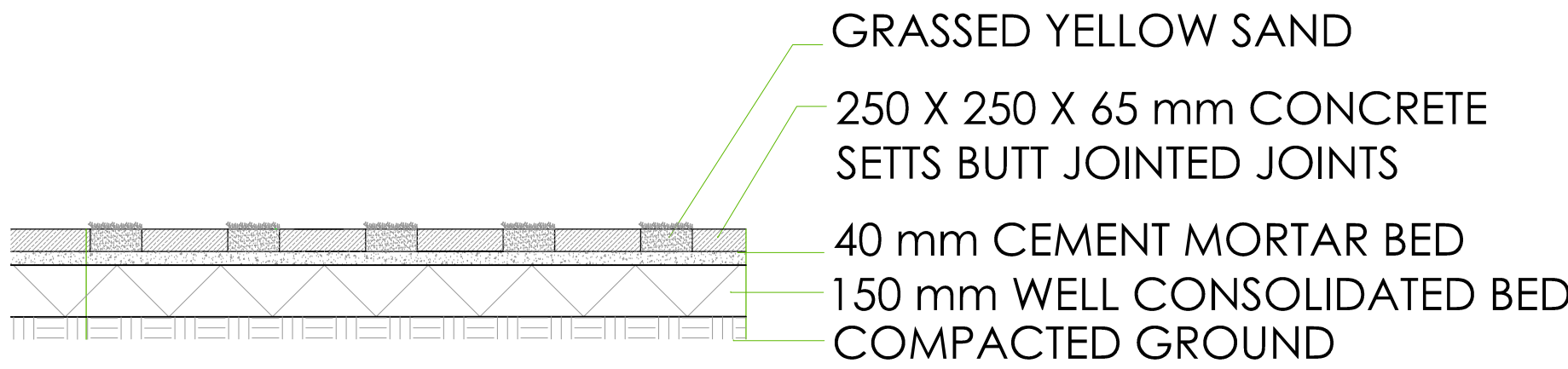
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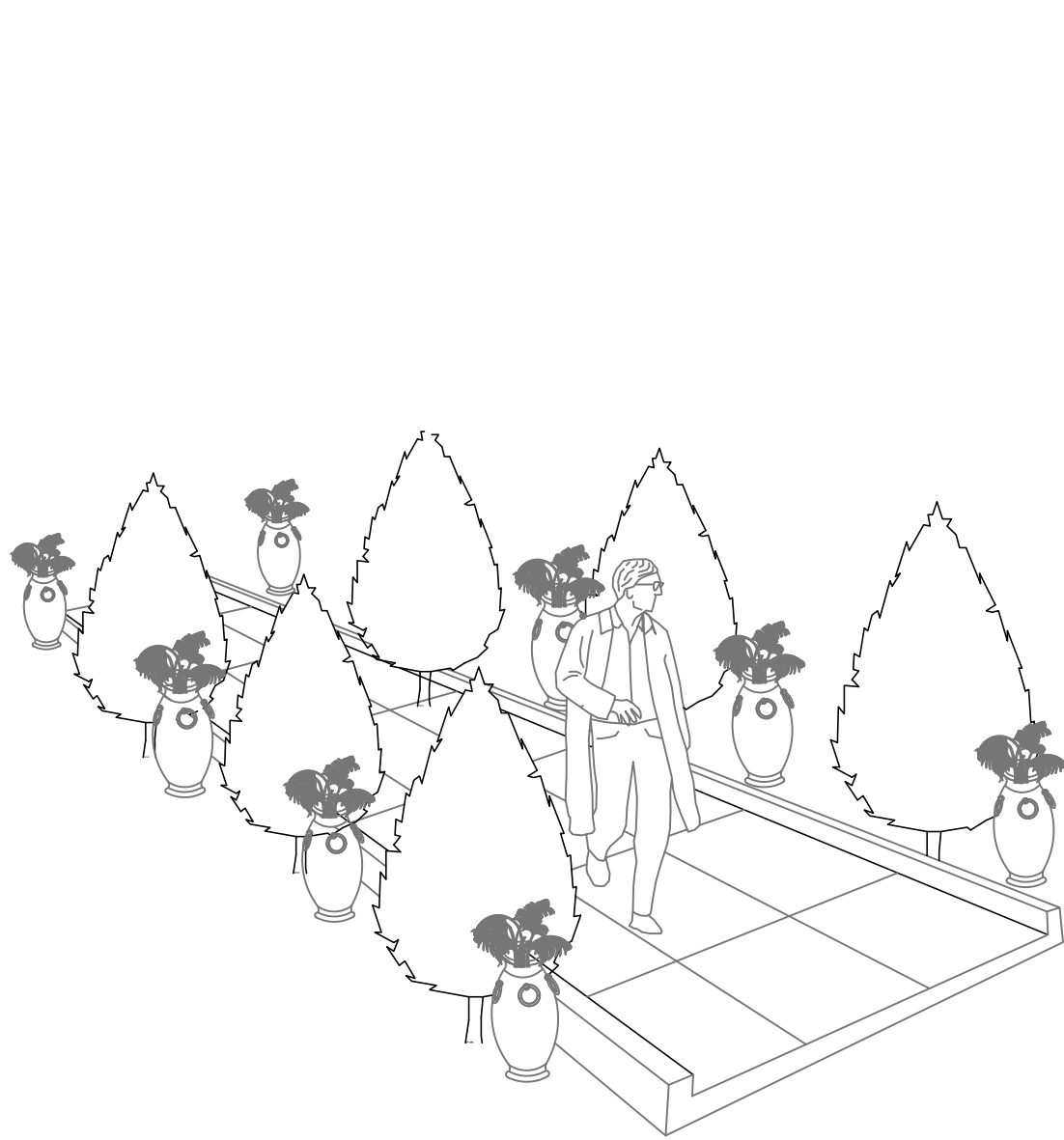
SECTION DETAIL OF PEDESTRIAN PAVING



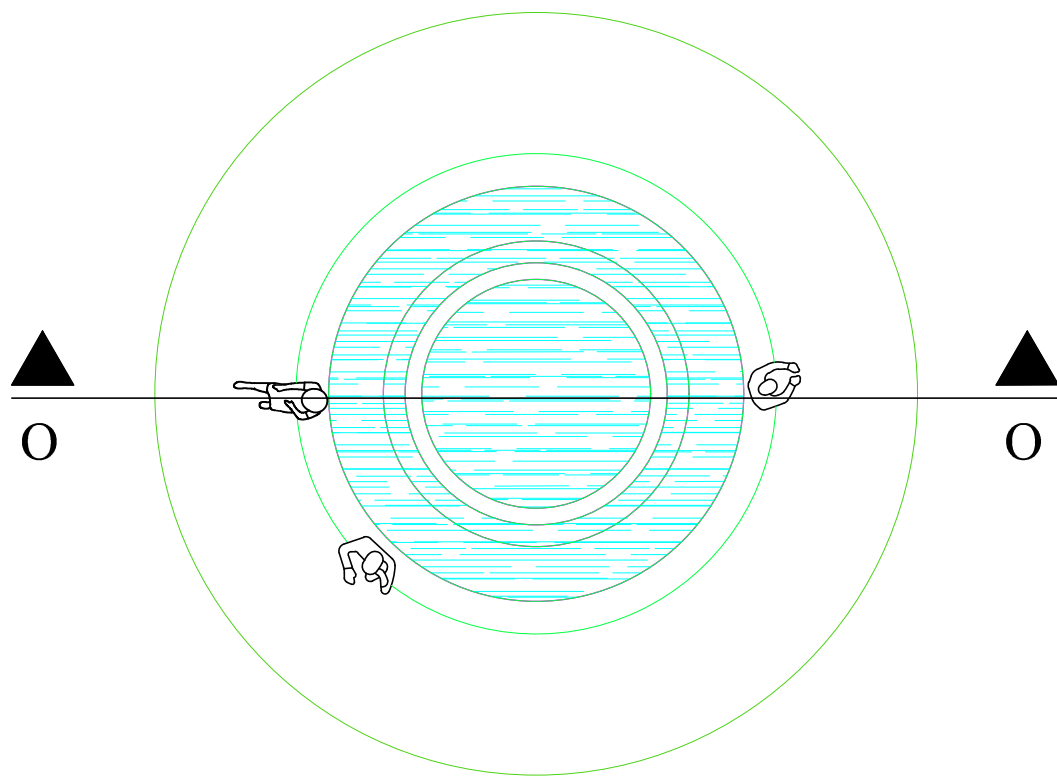
DETAIL AT GAZEBO



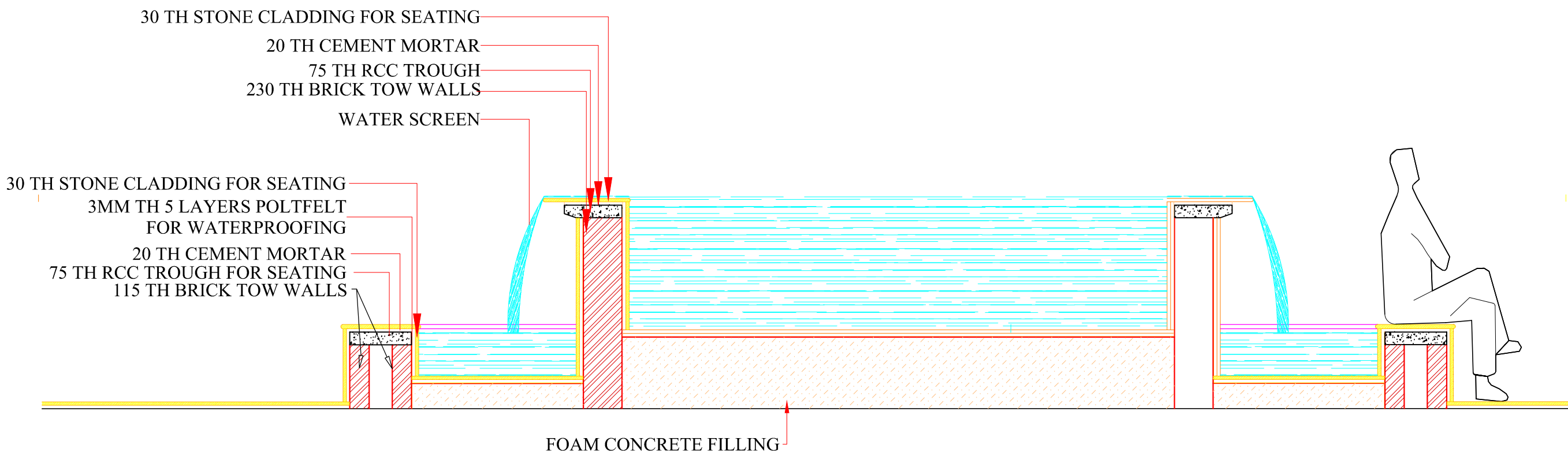
SECTION - CONCRETE SETT PAVING



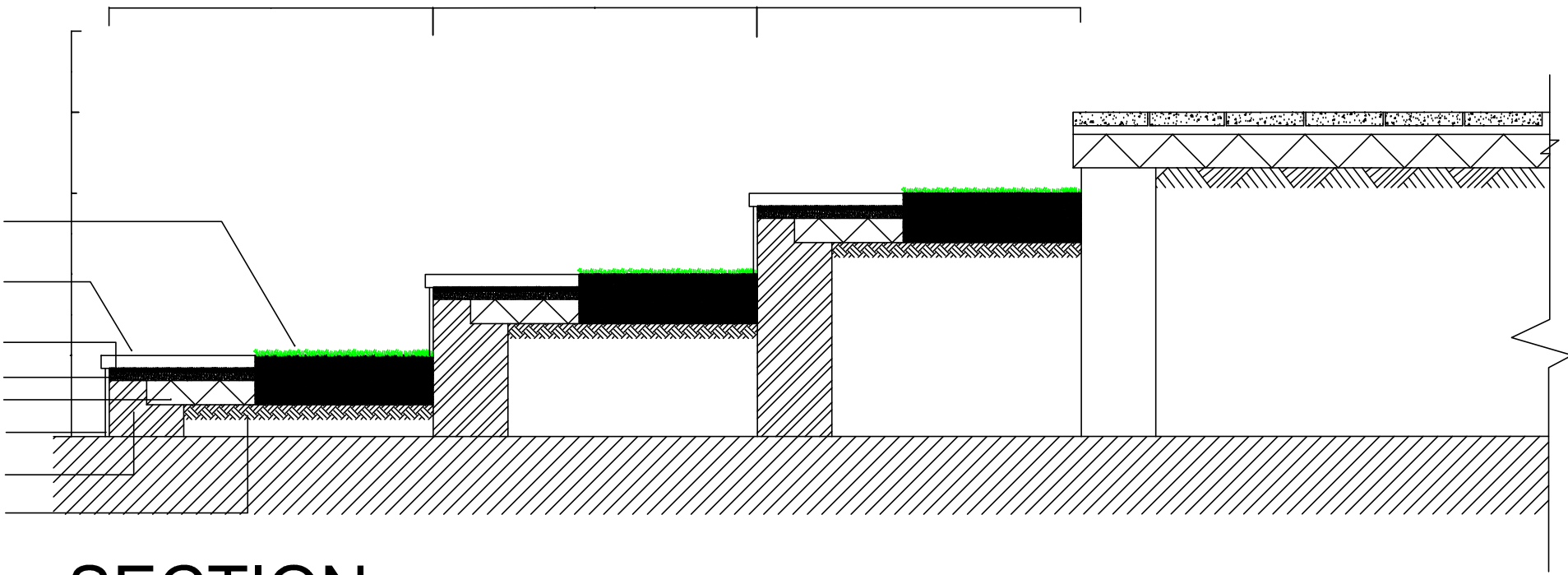
VIEW OF PEDESTRIAN MOVEMENT



FOUNTAI DETAIL



SECTION OO



SECTION DETAIL OF OPEN AIR THEATER STEPS



PROJECT TITLE

PROPOSED PLAN FOR
'DISTRICT COURT COMPLEX
AT DEHRADUN'



BYE LAWS :-
SETBACKS

FRONT	= 15.00 M.	G. COVERAGE ALLOWED	= 35%
REAR	= 6.00 M.	F.A.R. ALLOWED	= 1.50
SIDE - 1	= 6.00 M.		
SIDE - 2	= 6.00 M.		

AREA STATEMENTS :-	
1. TOTAL PLOT AREA	= 26314.0 SQ. M. (= 6.30 ACRES)
2. PROPOSED COVERED AREA ON BASEMENT - 1 (SERVICES)	-- 9250.00 SQ.M.
3. PROPOSED COVERED AREA ON GROUND FLOOR	-- 7462.00 SQ.M.
4. PROPOSED COVERED AREA ON FIRST FLOOR	-- 7462.00 SQ.M.
5. PROPOSED COVERED AREA ON SECOND FLOOR	-- 7462.00 SQ.M.
6. PROPOSED COVERED AREA ON THIRD FLOOR	-- 7462.00 SQ.M.
7. PROP. COVD. AREA ON 4TH FL.	-- 7462.00 SQ.M.
8. TOTAL COVERED AREA (IN F.A.R. - 12.50)	= 29848.00 SQ.M.
9. OPEN AREA ON GROUND FLOOR	-- 3063.00 SQ.M.
10. AREA OF PORCH	-- 290.62 SQ.M.
11. GROUND COVERAGE	-- 28.36 %
12. GREEN AREA	-- 17.3%
13. PROPOSED TOTAL PARKING	-- 345 ECS
14. AREA REQUIRED FOR @ 32 SQM. PER ECS.--	10880 SQM
15.	

NORTH	GENERAL NOTES
	All Dimensions are in mm. or specified
SCALE	STUDENT DETAIL
	Name - Poornima Raj Chaudhary Section - AR- 5-2 Roll. No. - 1150101051
SHEET NO.	GUIDE DETAIL
	PR. MOHIT AGARWAL & AR. RAMAKANT

LANDSCAPE DETAIL

