

ARCHITECTURE PORTFOLIO

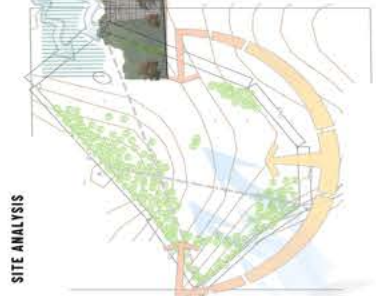
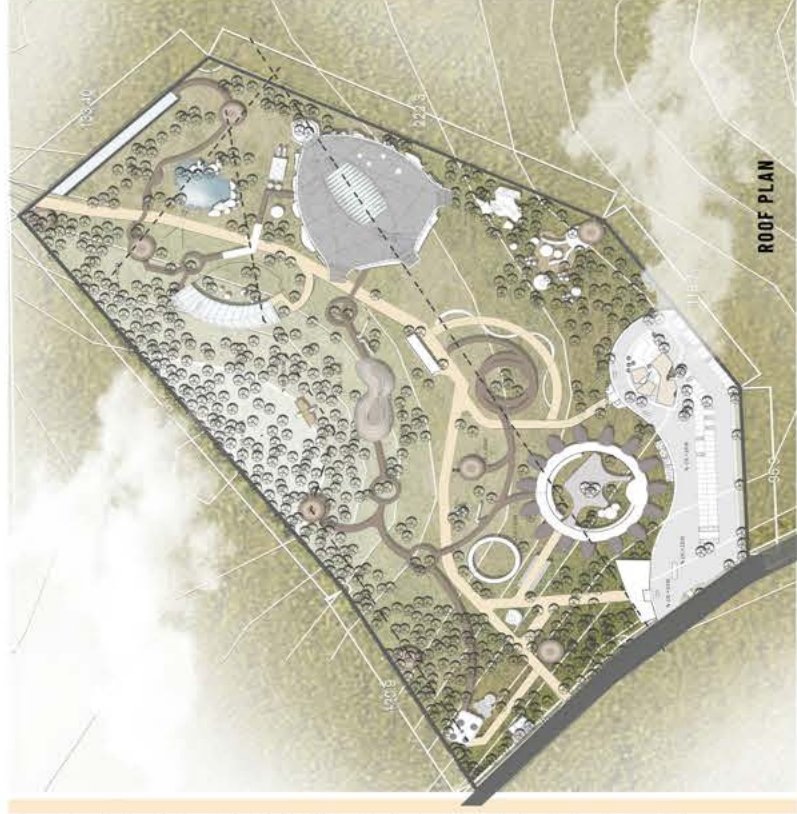
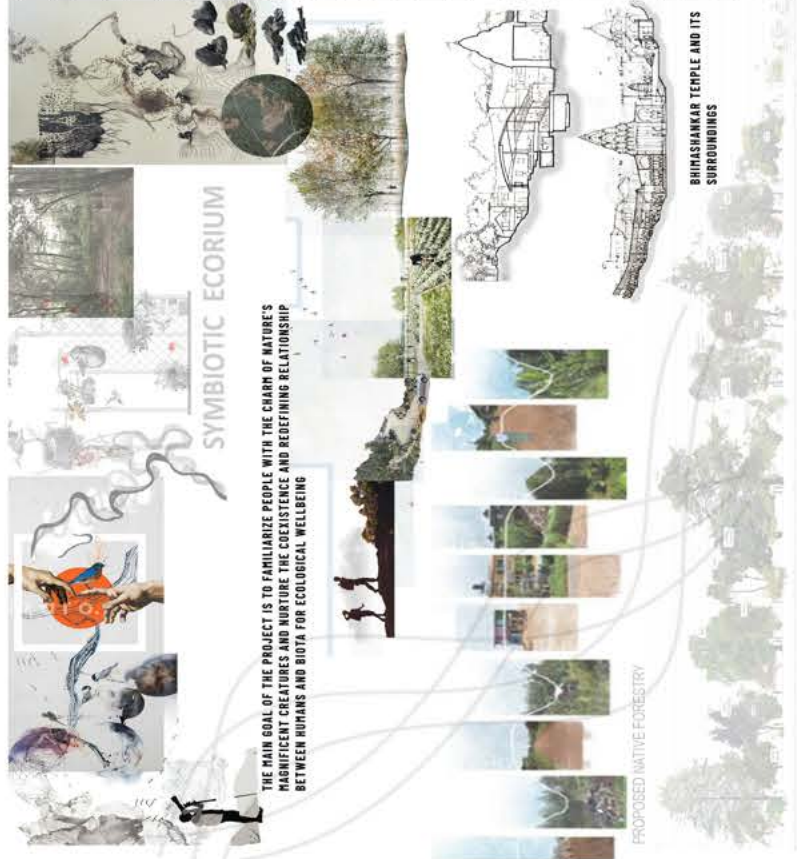
NIKHIL CHAUDHARI



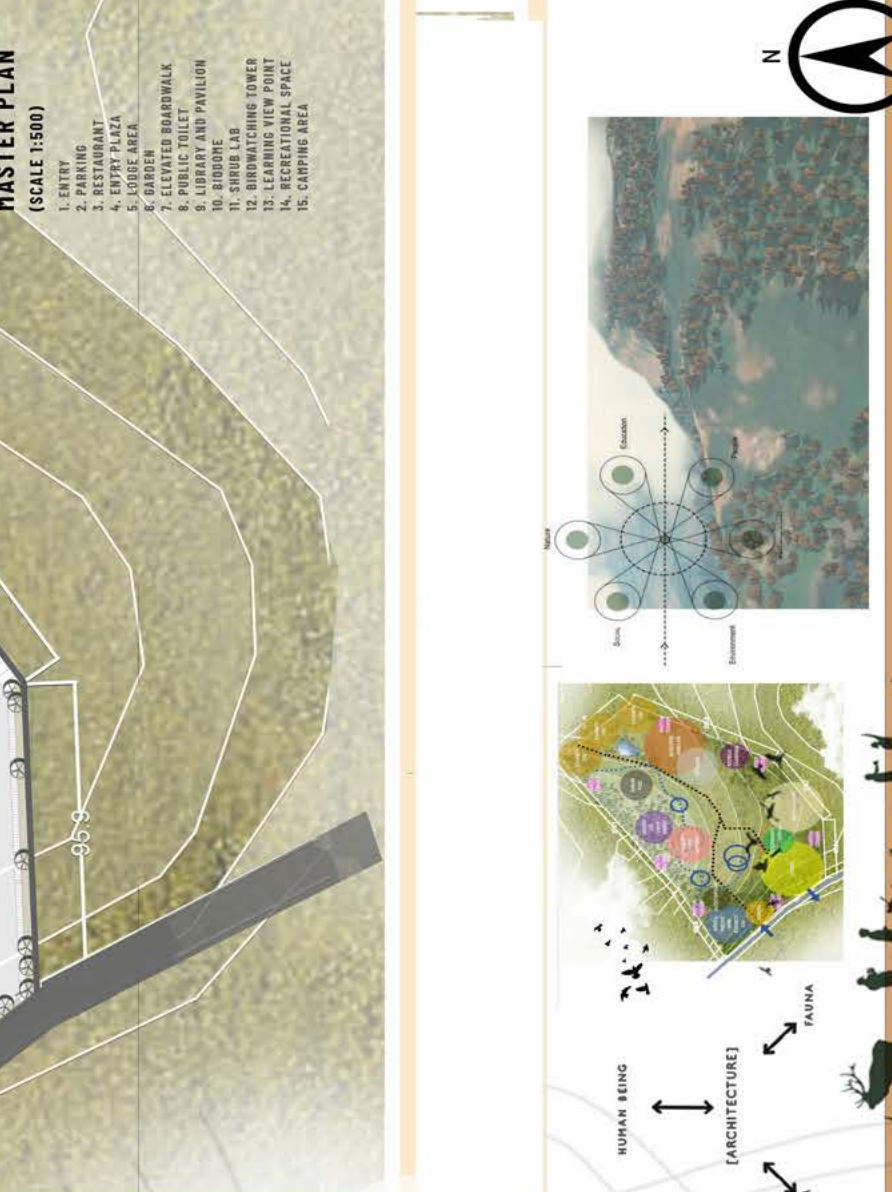


THESIS

THESIS: SYMBIOTIC ECORIUM



LOCATION - BRIMSHANKAR, KHED TALUKA, PUNE DISTRICT, MAHARASHTRA



THIS THESIS INTENDS TO CREATE AWARENESS ABOUT WILDLIFE CONSERVATION THROUGH A SELF SUSTAINING MODULE ALONG WITH RECREATIONAL FACILITIES FOR THE VISITORS HENCE NURTURING THE COEXISTENCE AND REDEFINING THE RELATION BETWEEN HUMANS AND BIOTA



Voliere

The treetop walk passes through a voliere with different birds.



Flat loop

Walk around a tree crown, enjoy the view or study the trees up close.



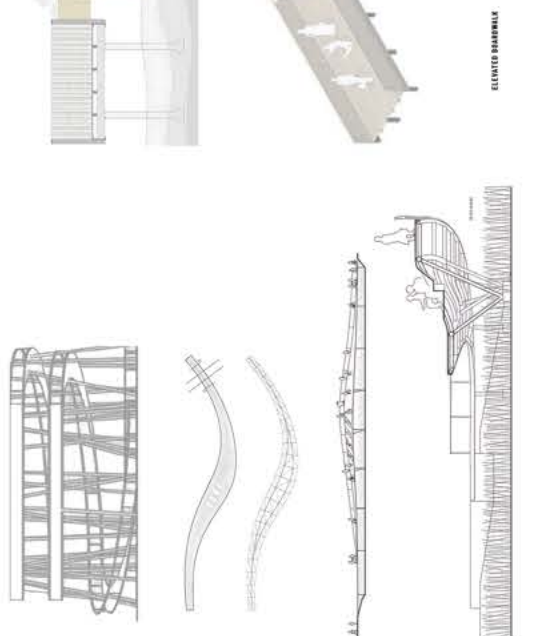
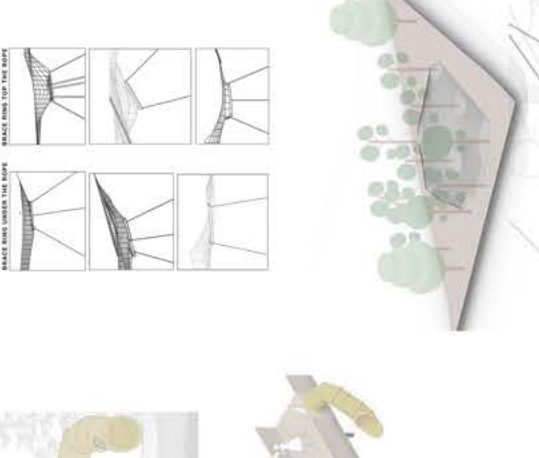
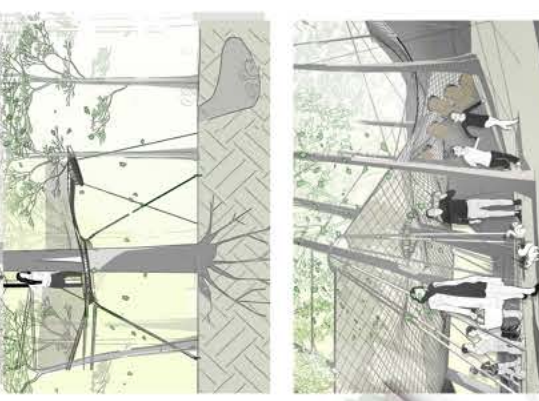
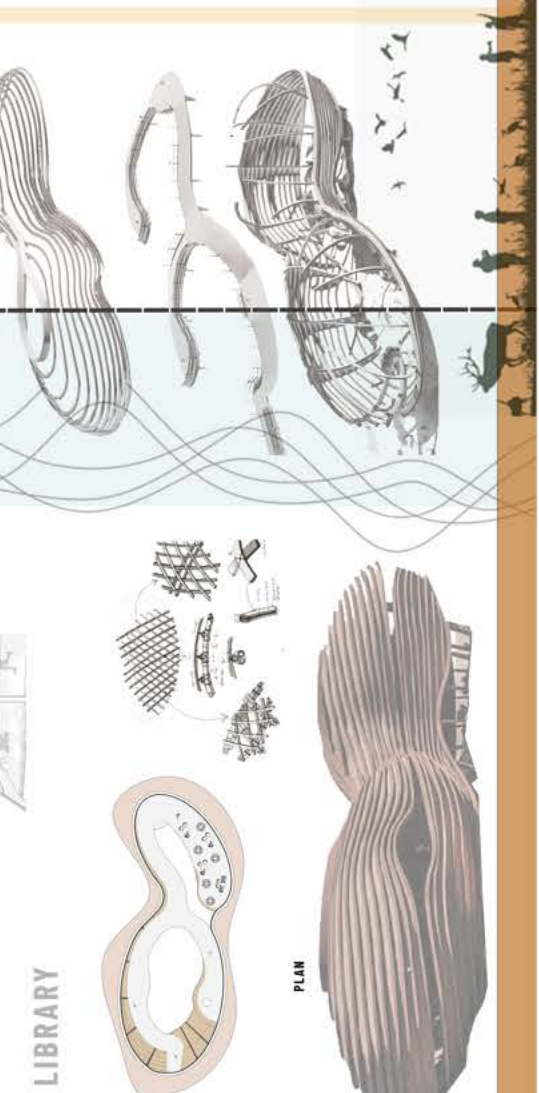
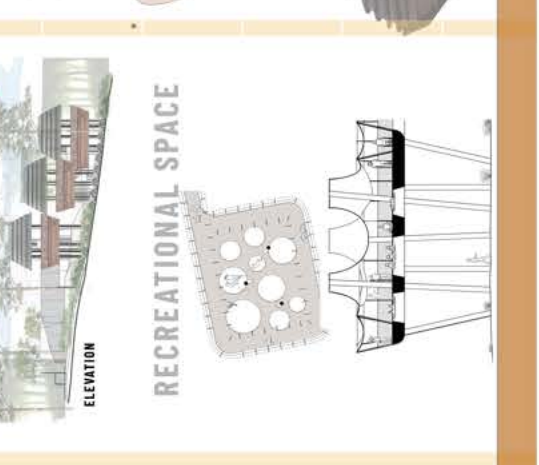
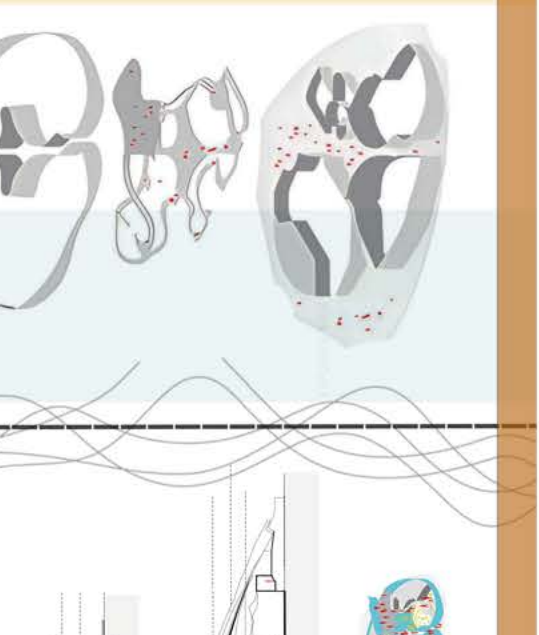
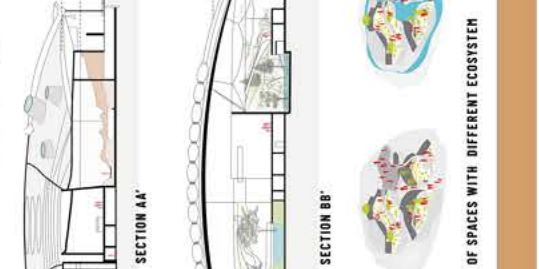
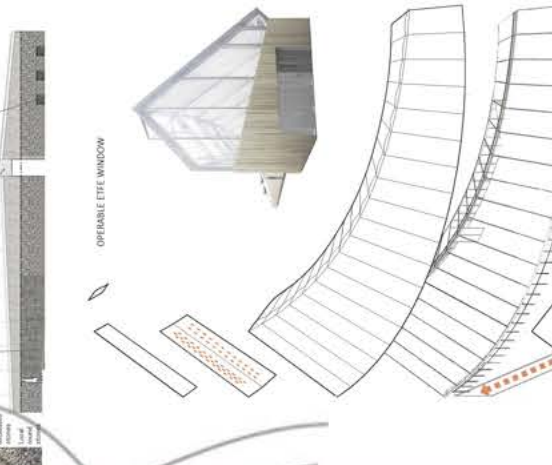
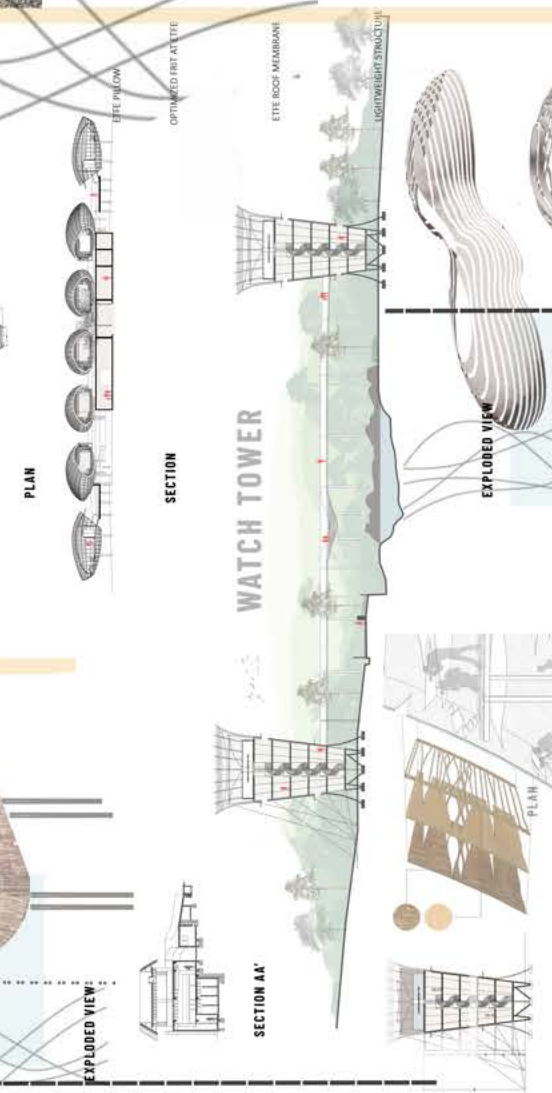
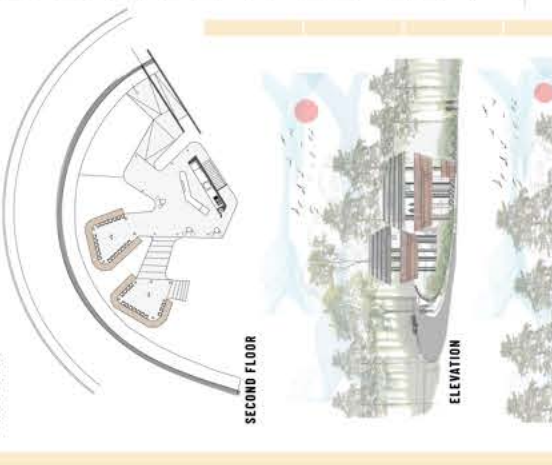
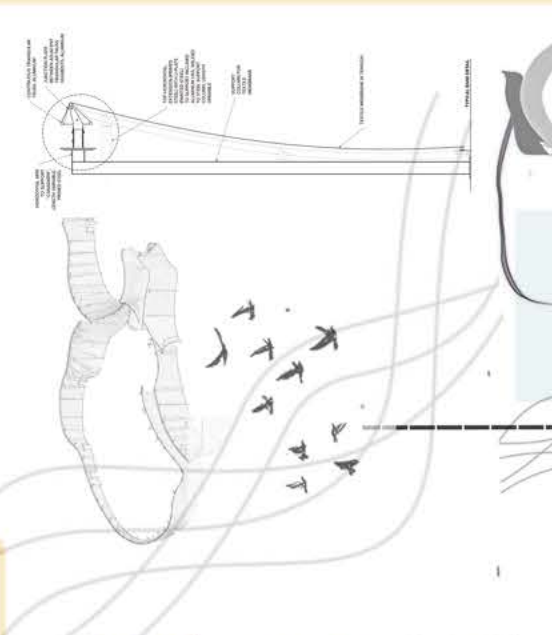
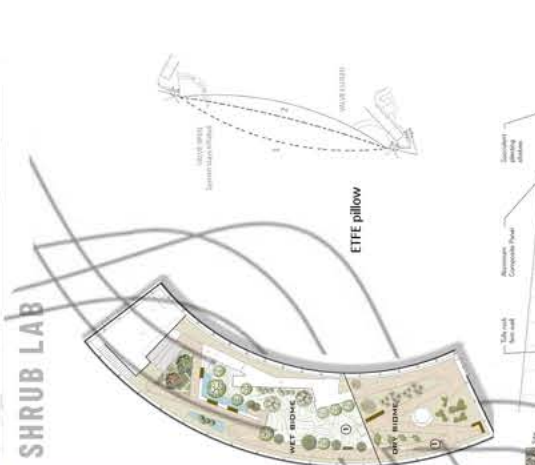
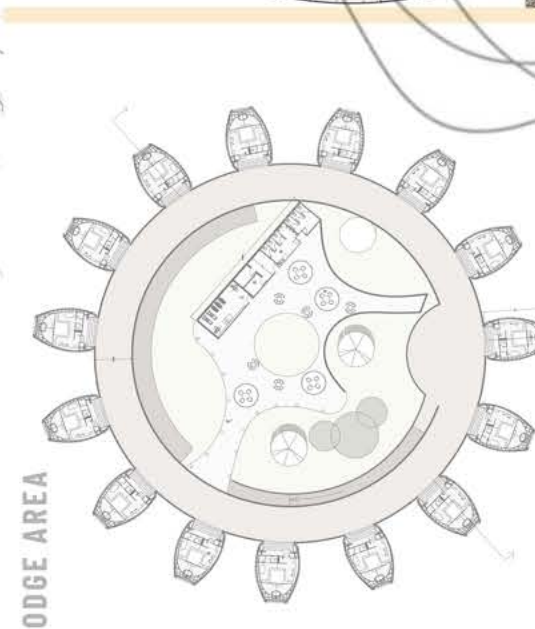
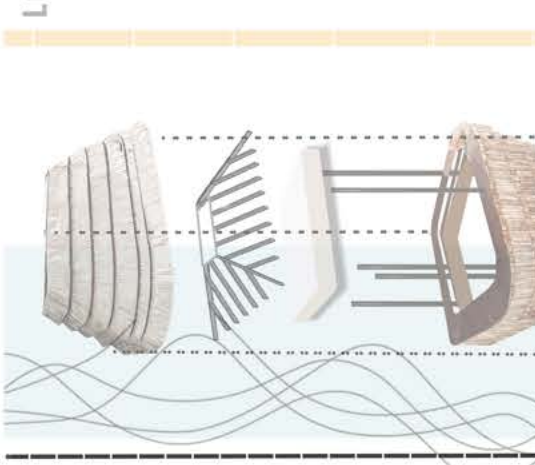
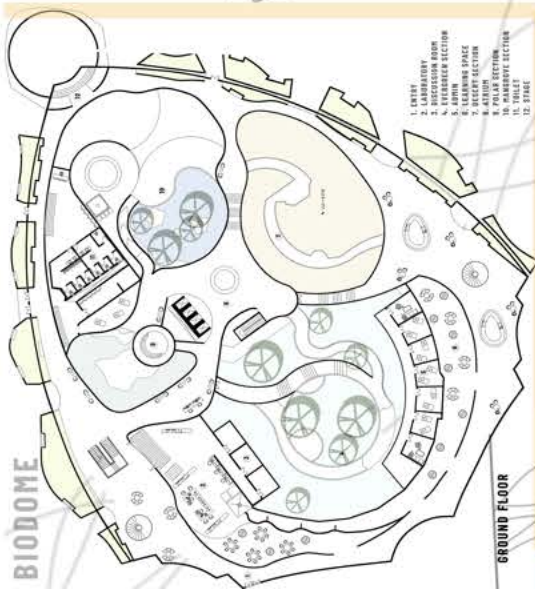
Take off

A fast and fun way to gain height.



Amphi

A stepped seating pocket to take a rest, look and learn about the forest.

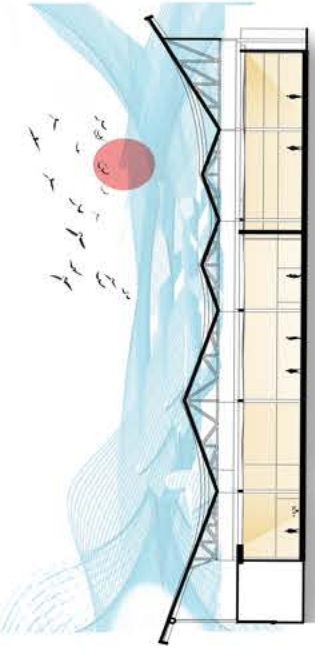
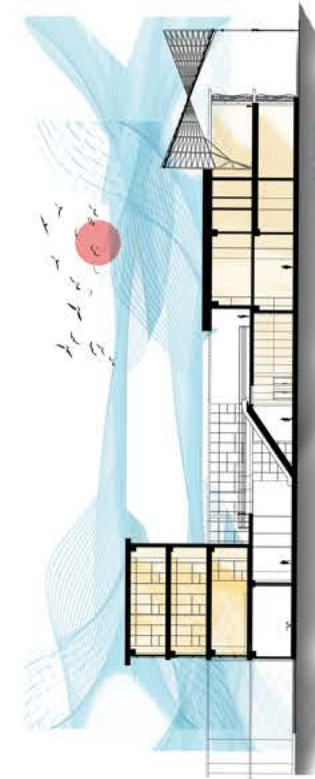
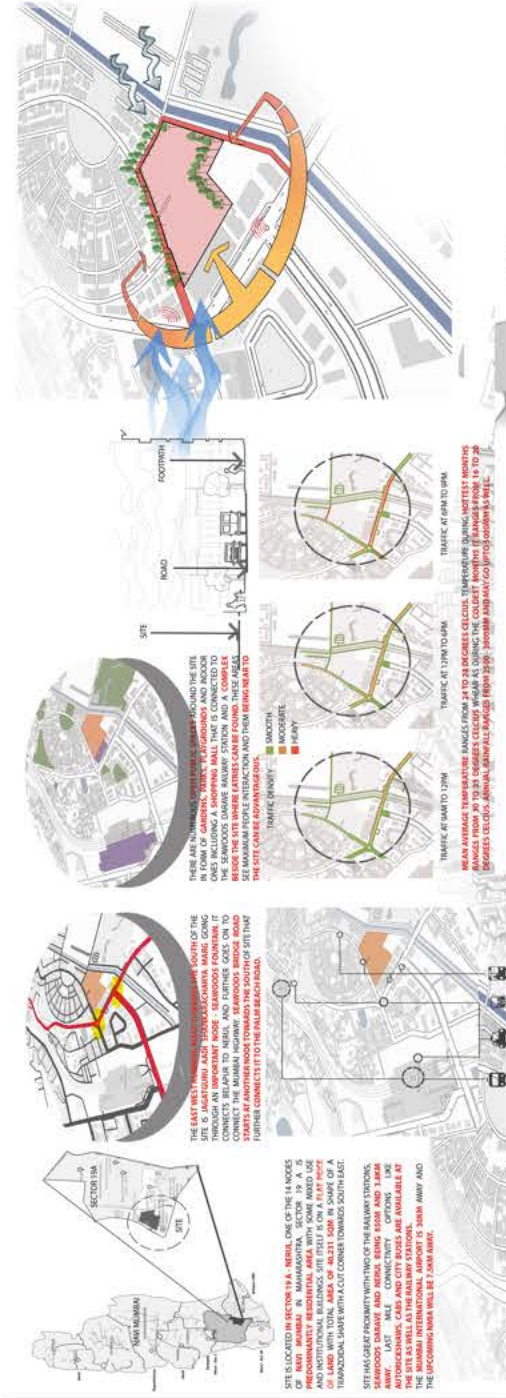




CONVENTION CENTER

CONVENTION CENTER

SITE ANALYSIS



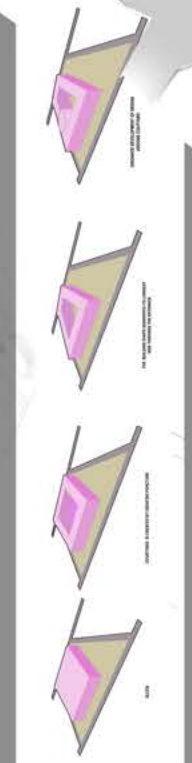
CENTRAL ATRIUM SECTION

CONVENTION HALL SECTION

CONCEPT

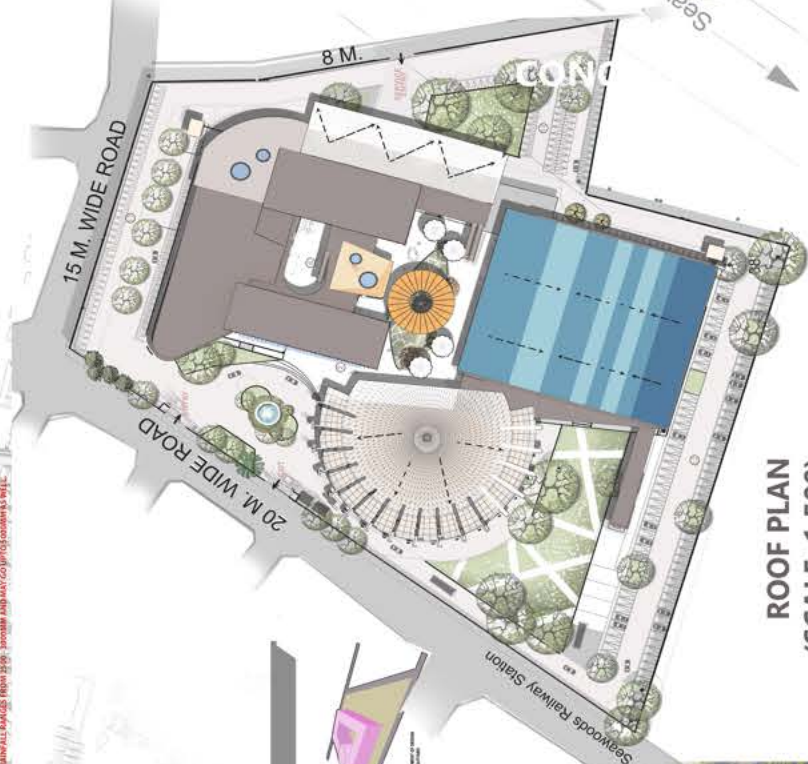
- STRENGTH** - WELL CONNECTED PUBLIC TRANSPORT WITHIN WALKING DISTANCE
- WEAKNESS** - WELL CONNECTED PUBLIC TRANSPORT WITHIN WALKING DISTANCE
- OPPORTUNITY** - WELL CONNECTED PUBLIC TRANSPORT WITHIN WALKING DISTANCE
- THREAT** - WELL CONNECTED PUBLIC TRANSPORT WITHIN WALKING DISTANCE

CONCEPT

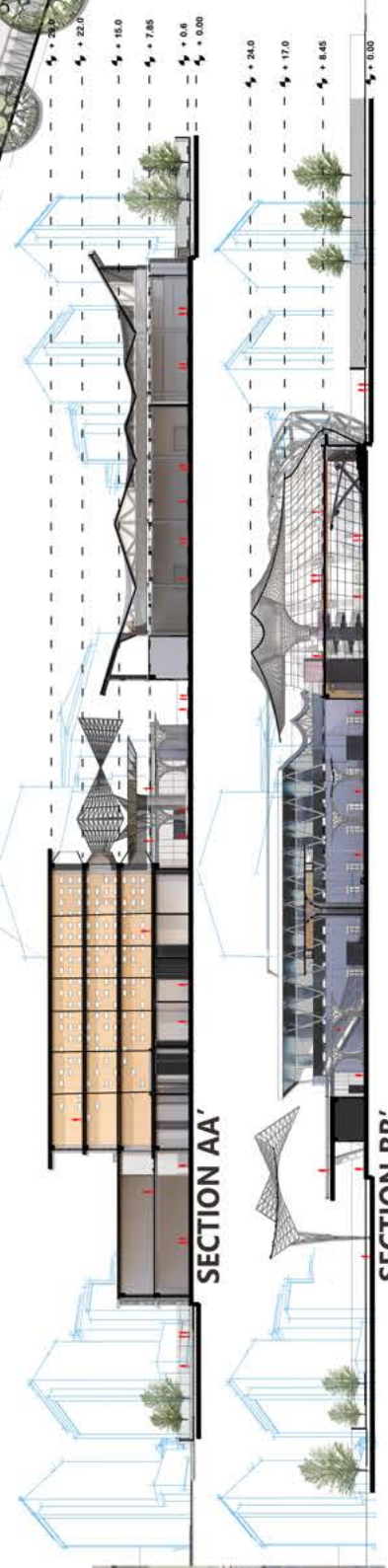


- EXHIBITION HALL
- RECEPTION
- CONVENTION HALL
- CONFERENCE ROOM
- CLOUD KITCHEN
- FOOD COURT
- DINING
- BAKERY
- ADMIN AND CCTV ROOM
- AMPHITHEATRE
- BANQUET HALL
- SMALL MEETING ROOM
- TOILETS
- FIRST AID ROOM
- STORAGE
- GREEN ROOM
- PARKING
- DG UNIT AND SUB STATION
- RECHARGE PIT

ROOF PLAN (SCALE 1:500)



SECTION AA'



SECTION BB'



MASTER PLAN (SCALE 1:250)



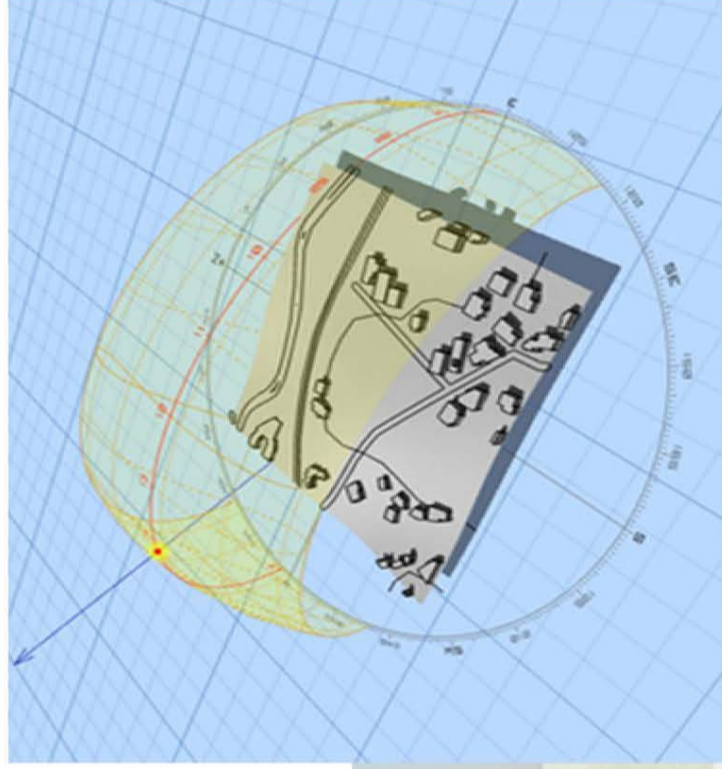


CULINARY INSTITUTE



LOCATION :

PROPOSED SITE FOR CULINARY ART CENTRE IS LOCATED AT KHANDALA, TAL, MAVAL, PUNE, MAHARASHTRA



**CLIMATE :
TROPICAL CLIMATE**

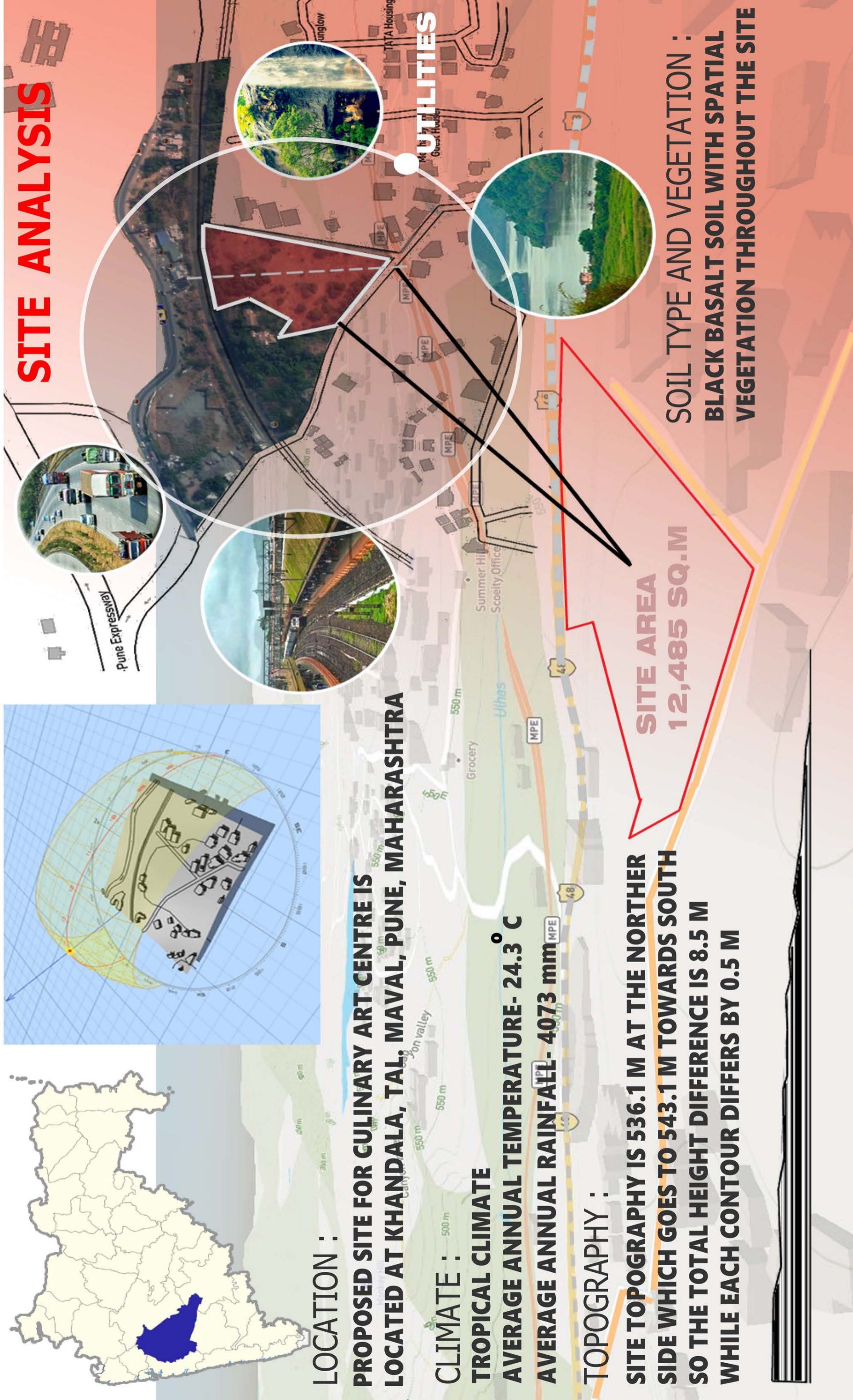
AVERAGE ANNUAL TEMPERATURE- 24.3 ° C

AVERAGE ANNUAL RAINFALL- 4073 mm

TOPOGRAPHY :

SITE TOPOGRAPHY IS 536.1 M AT THE NORTHER SIDE WHICH GOES TO 543.1 M TOWARDS SOUTH SO THE TOTAL HEIGHT DIFFERENCE IS 8.5 M WHILE EACH CONTOUR DIFFERS BY 0.5 M

SITE ANALYSIS

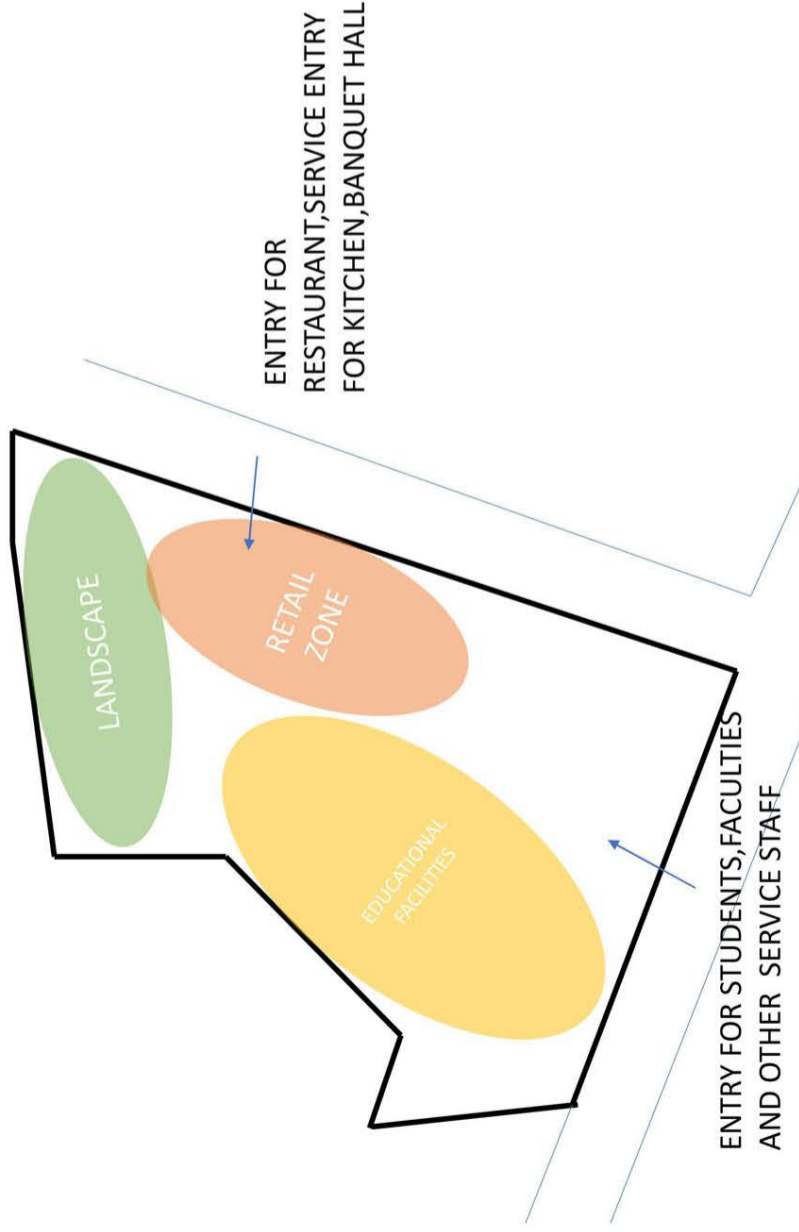


UTILITIES

**SITE AREA
12,485 SQ.M**

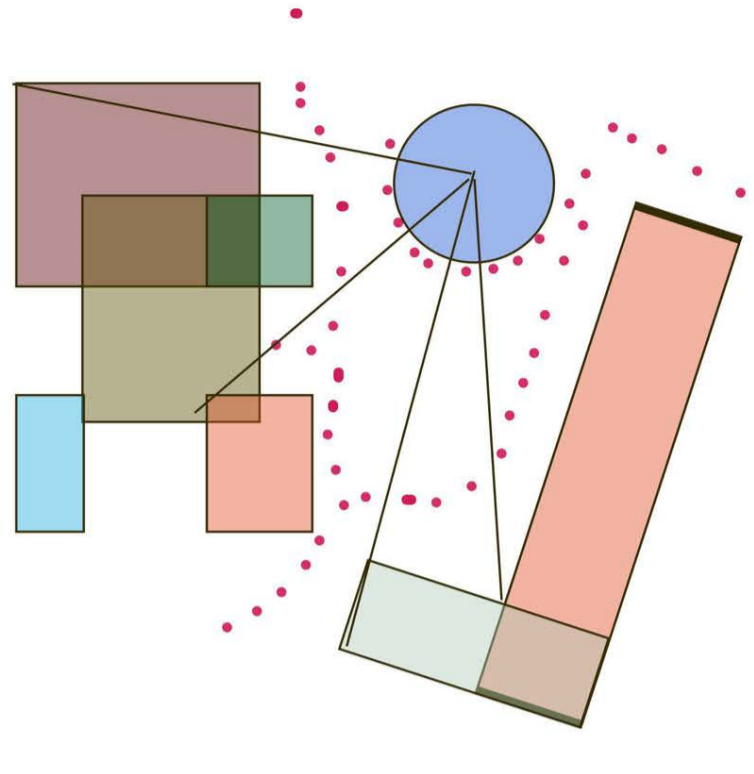
**SOIL TYPE AND VEGETATION :
BLACK BASALT SOIL WITH SPATIAL
VEGETATION THROUGHOUT THE SITE**

INTEGRATION OF SPACES ACCORDING TO DESIGN REQUIREMENT WITH A CENTER ACTING AS A FOCAL POINT WHICH BINDS THE WHOLE STRUCTURE WITH CIRCULATION SPACES THROUGHOUT



CULINARY EDUCATION INSTITUTE

- EDUCATION FACILITIES
 - CULINARY KITCHEN
 - PASTRY KITCHEN
 - SPECIALITY KITCHEN
 - SKILL TEST KITCHEN
 - DEMONSTRATION CLASSROOMS
 - LECTURE HALL
 - LECTURE CLASSROOM
 - COMPUTER LAB
 - LIBRARY
 - DEMONSTRATION AREA
 - TOILETS
- STAFF FACILITIES
 - ADMINISTRATION
 - RECEPTION AREA
 - TECHNICAL STAFF AREA
- SUPPORT FACILITIES
 - FOOD STORAGE
 - DISH WASH
 - HOUSE KEEPING
 - MAINTENANCE AREA
- STUDENT FACILITIES
 - STUDENT LOUNGE
 - LOCKER ROOMS
 - DINING AREA



ZONING

RETAIL ZONE

- RESTAURANT WITH KITCHEN
- BANQUET HALL
- BAKERIES
- OUTDOOR SEATING
- TOILETS

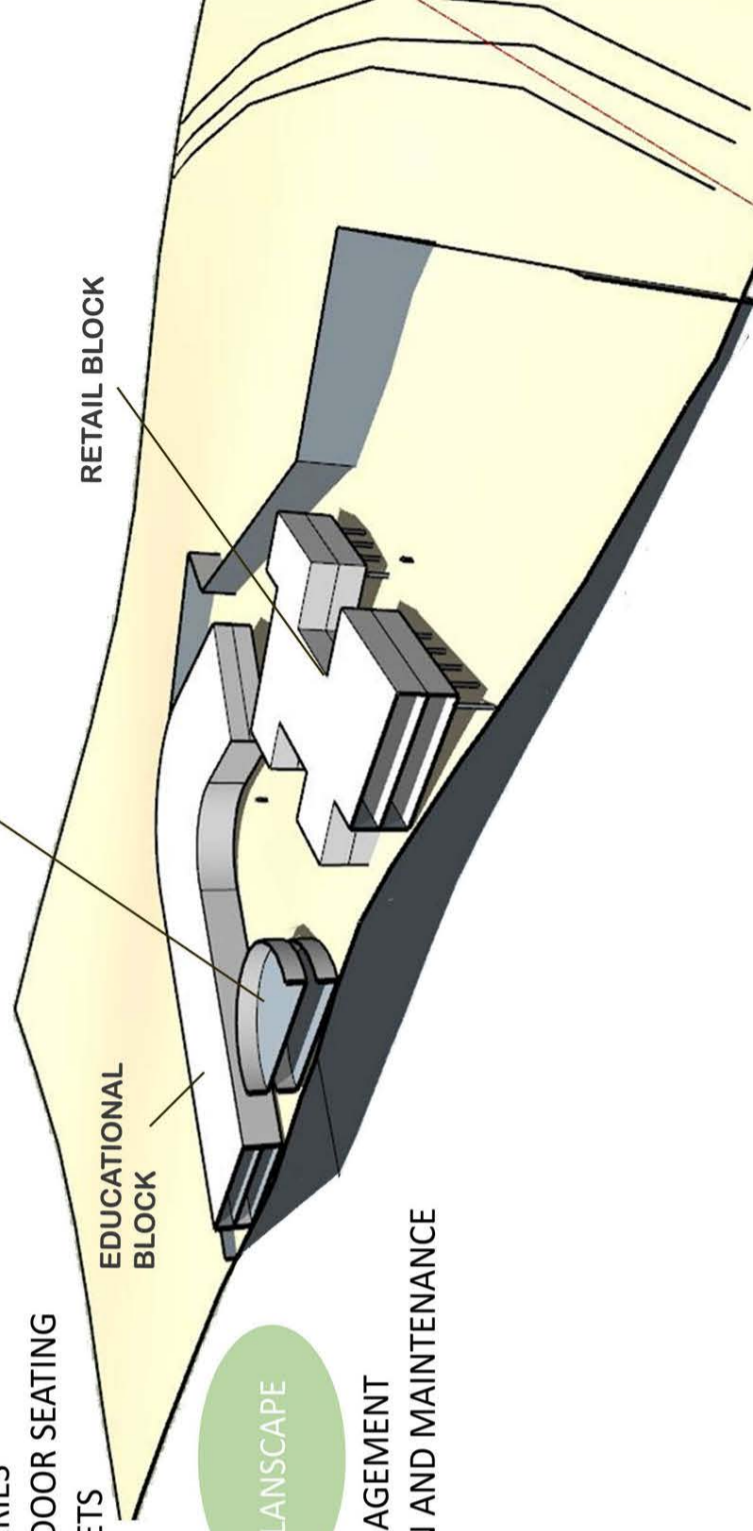
SEMINAR BLOCK

EDUCATIONAL BLOCK

RETAIL BLOCK

LANDSCAPE

- WATER MANAGEMENT AND MAINTENANCE
- CULTIVATION AND MAINTENANCE



CLASSROOM



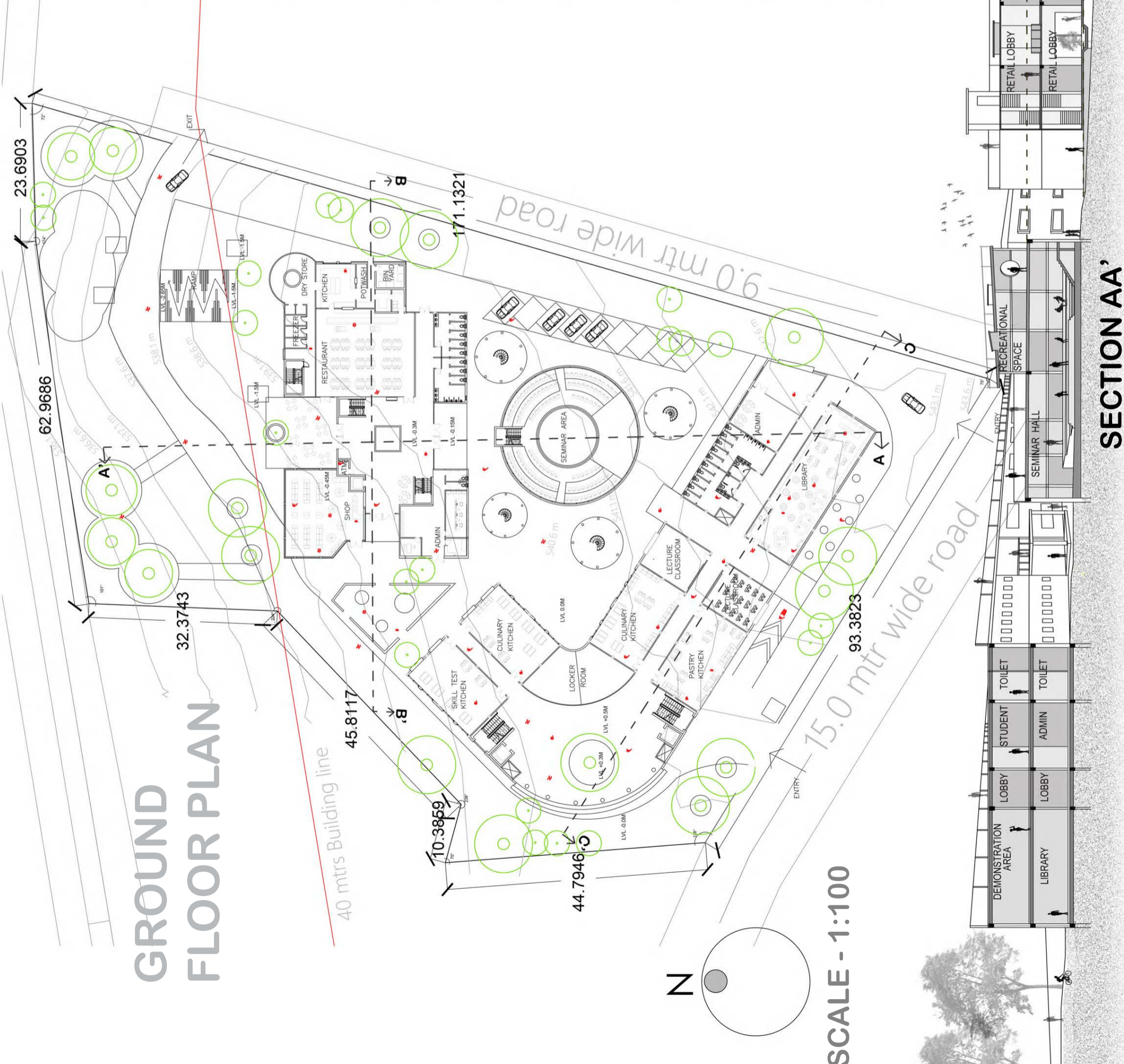
LIBRARY



KITCHEN

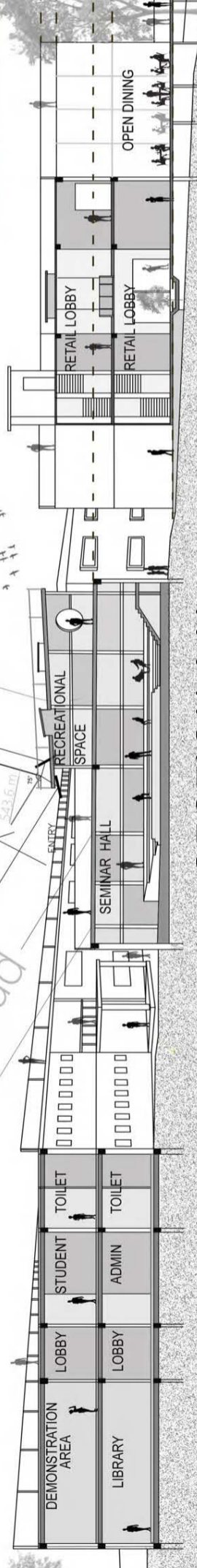


GROUND FLOOR PLAN



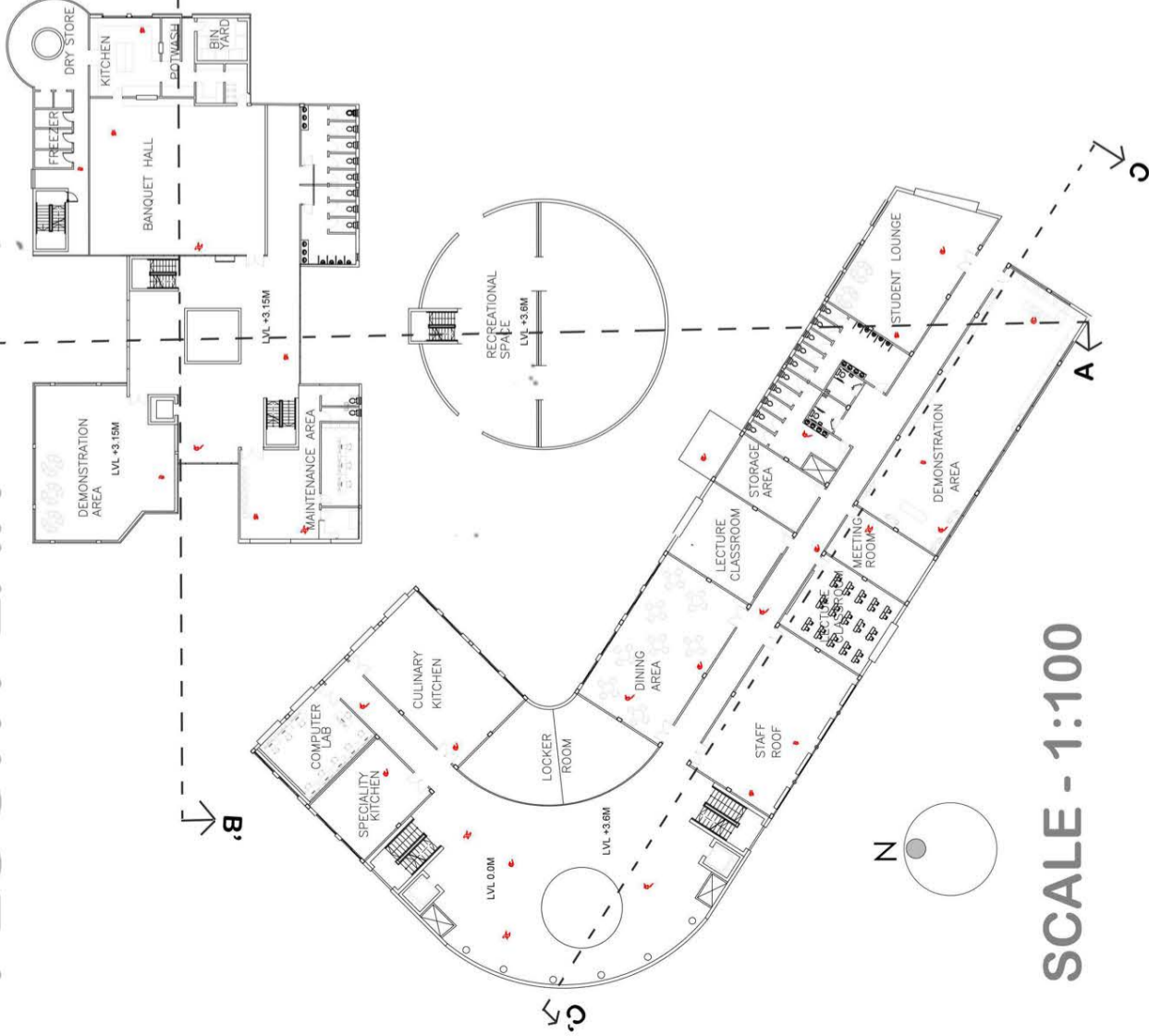
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SCALE - 1:100

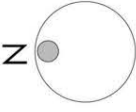


SECTION AA'

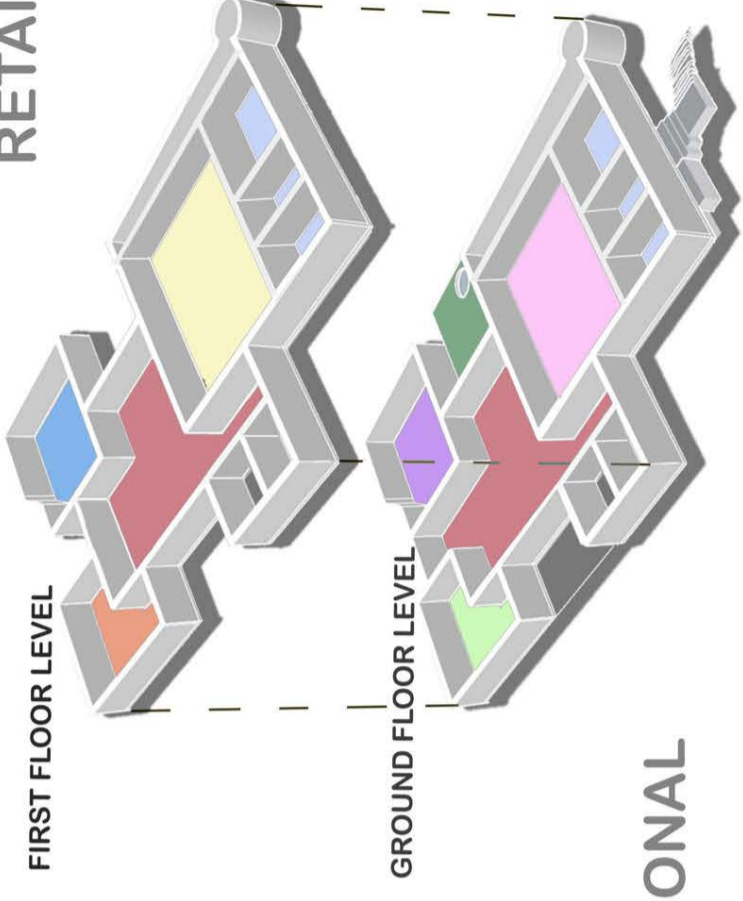
FIRST FLOOR PLAN



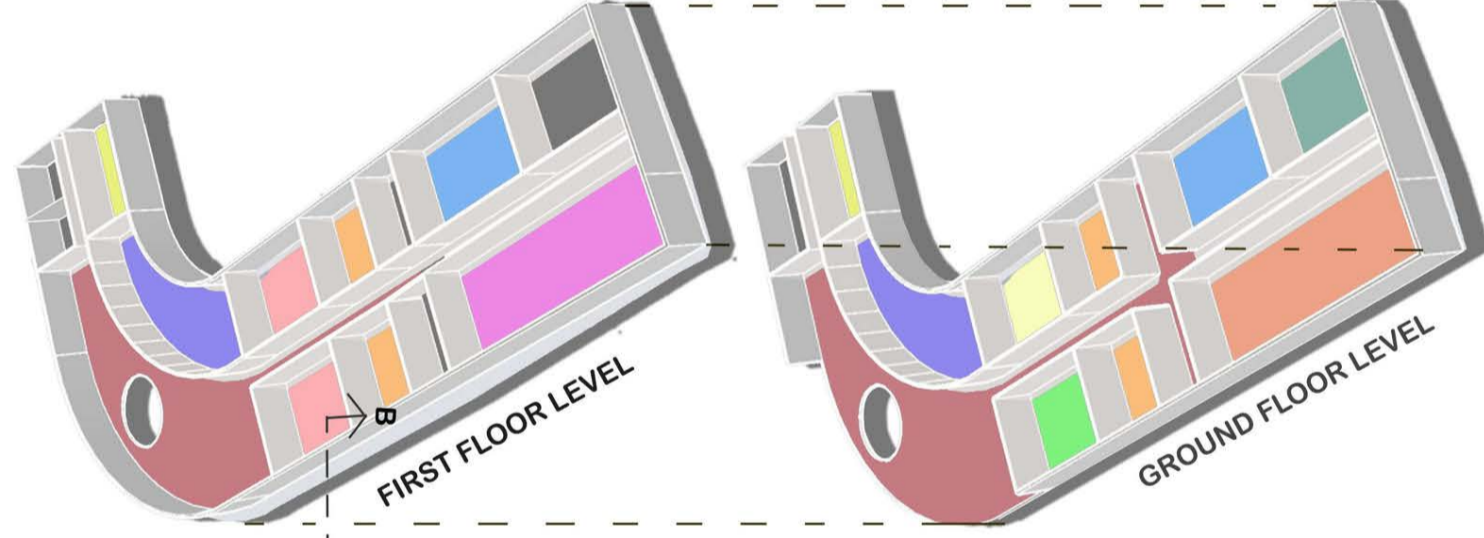
SCALE - 1:100



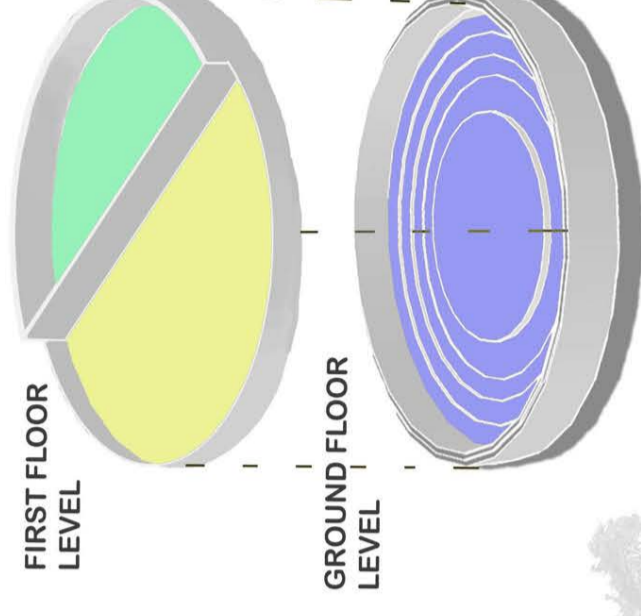
RETAIL BLOCK



EDUCATIONAL BLOCK



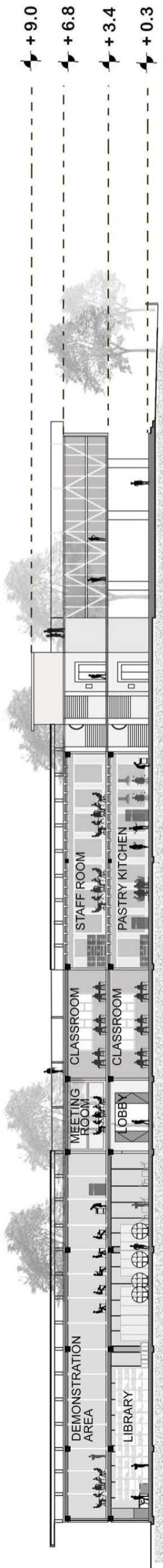
SEMINAR BLOCK

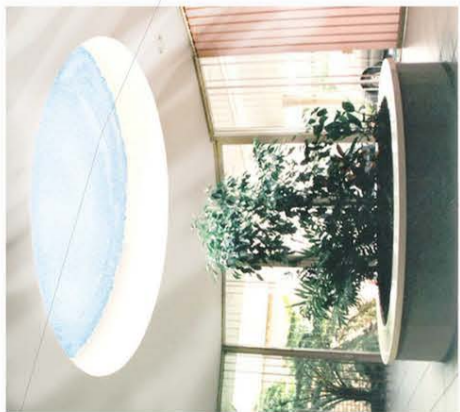
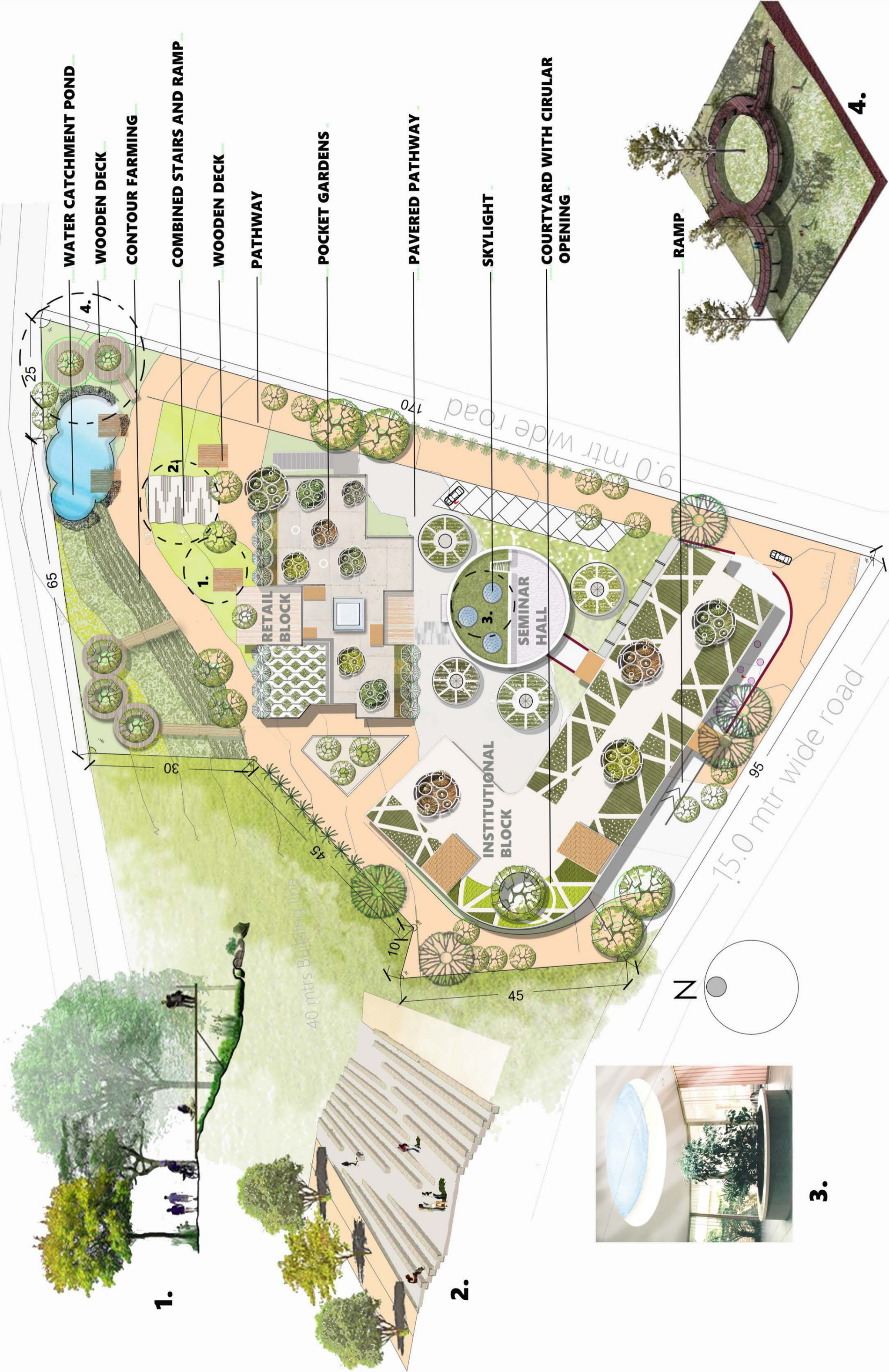


SECTION BB'



SECTION CC'





3.

ROOF PLAN WITH LANDSCAPE DETAILS



EDUCATIONAL BLOCK



VIEWS



RETAIL BLOCK



INTERIOR DESIGN OFFICE



PLAN WITH FURNITURE LAYOUT

VIEWS



CONFERENCE ROOM



WORKSTATION



EXECUTIVE CABIN



RECEPTION AREA



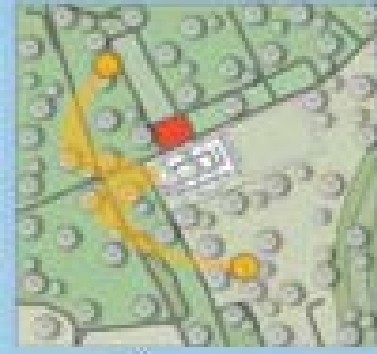
OUTDOOR- CLASSROOM- COMPETITION

PRAKRUTIK CLASSROOM

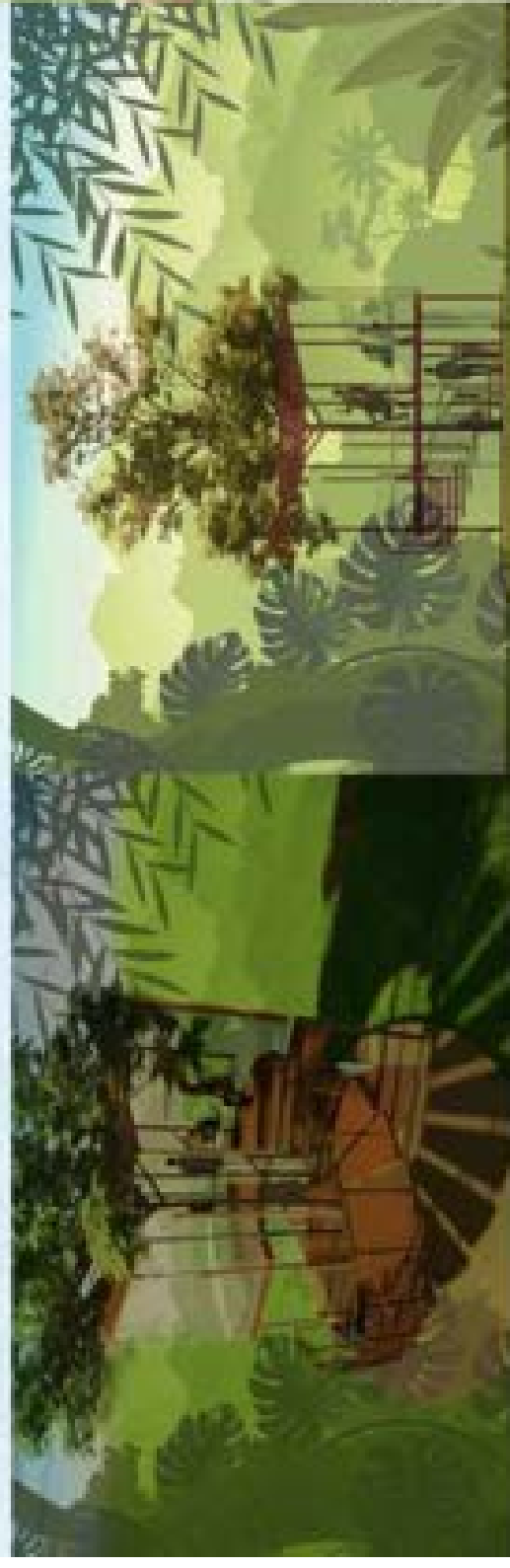
Site Location : Rasayam, Raigad, Maharashtra, India.

Site Area : 100sqm.

Built Up : 40 sqm



A Classroom which connects learning experience under Nature for Students to have different experience in Learning and Concentrating.



Outdoor learning is an important and integral part of a high-quality early education curriculum



Designed with natural bamboos in the form of pavilion and adding modern glass face in order to connect learning place with the external landscape and keeping the natural essence to calm the environment. This Classroom can be used to play by small children's giving them the answers of their curiosity to learn in an natural environment and also by adults to calm their minds under peaceful context.

Transparency is maintained with the environment. The form of the structure truly blend with the context. The form of the school truly captivate itself in a dense flourishing habitat. Structure magnificently turns to be a centre of attraction between t Structure magnificently turns to be a centre of attraction between the dense vegetation.



URBAN NEIGHBOURHOOD



TIMELINE (DEVELOPMENT OF SITE AND ITS NEIGHBOURHOOD CONTEXT OVER THE YEARS)



2000



2005



2010



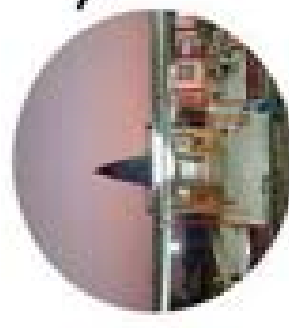
2015



2020



BUS STOP



MAHADEV TEMPLE



NMSEZ



ROCK GARDEN



KOPAR LAKE



BAMANDONGRI STATION



S

W

O

T

EASY ACCESS THROUGH TRANSPORTATION

SITE COMES UNDER NAVI MUMBAI SOCIAL ECONOMIC ZONE

MAXIMUM AMOUNT OF NATURAL SUNLIGHT

NO SOCIAL/GATHERING AREAS NEARBY

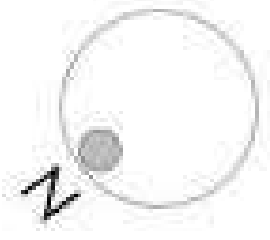
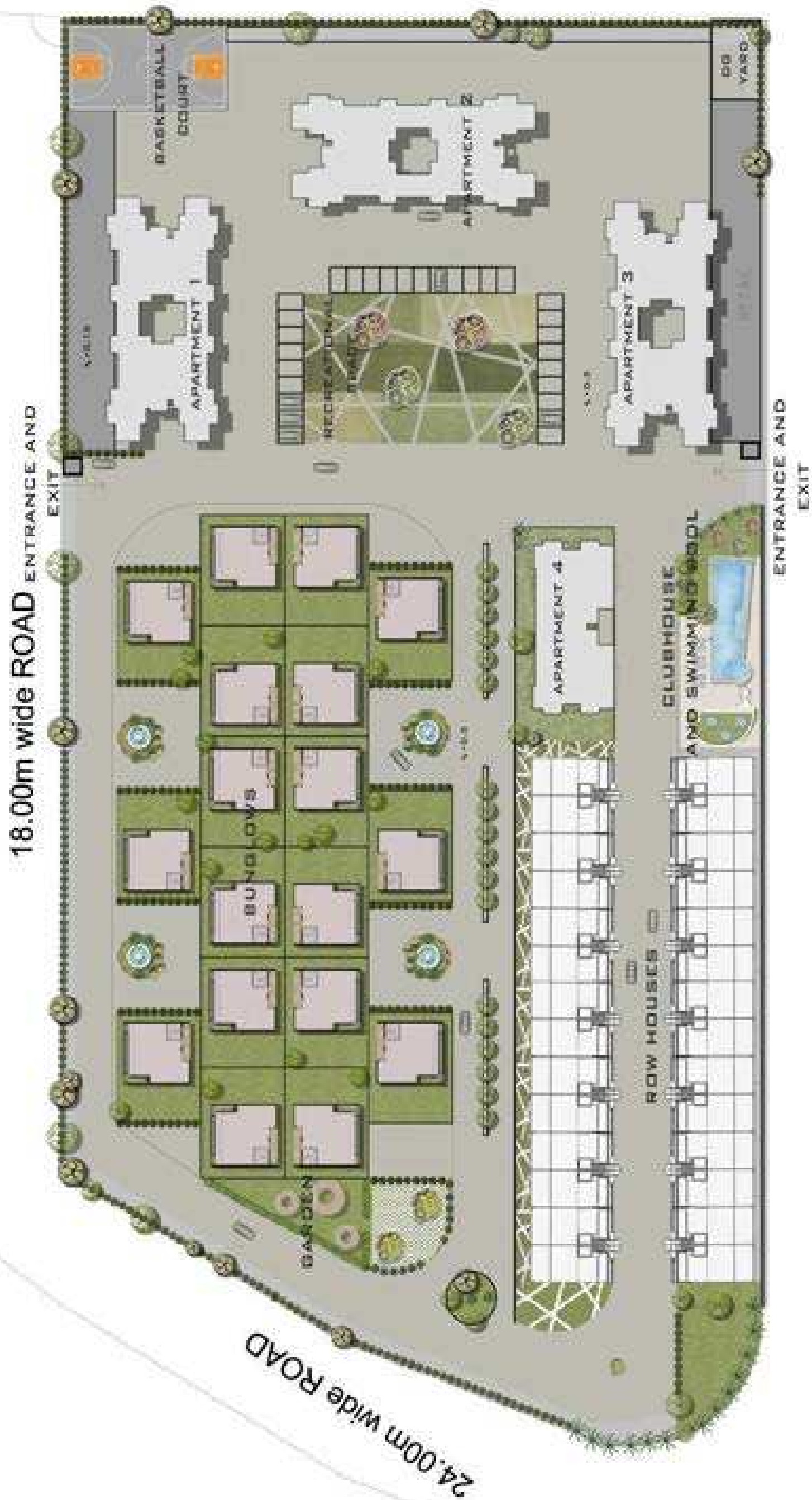
NO GOOD VIEWS

SITE IS SURROUNDED BY OPEN SPACES WHICH CAN BE DEVELOPED

PRIME LOCATION IN FUTURE AFTER DEVELOPMENT OF AIRPORT

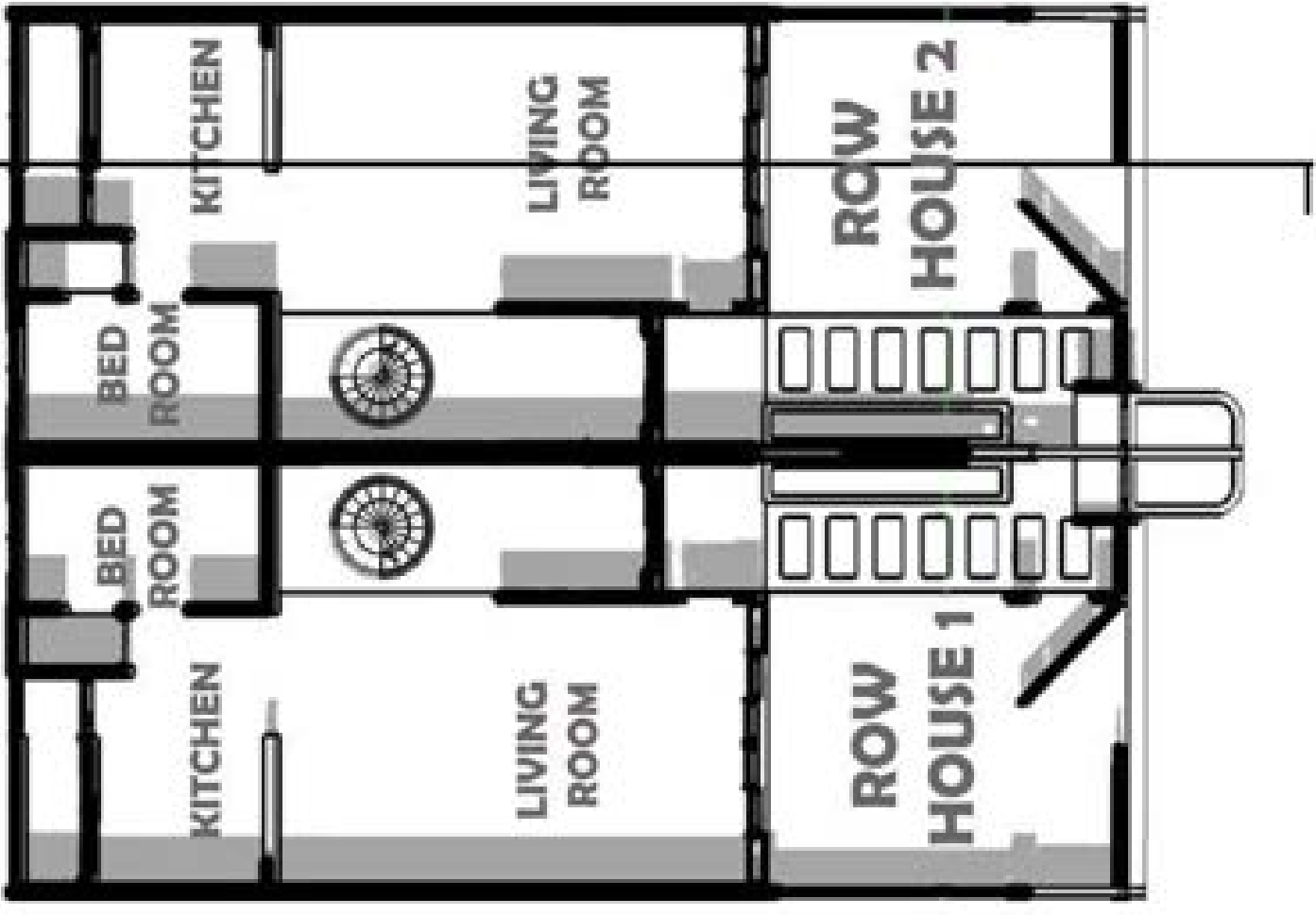
WITH NEW MUMBAI TRANS-HARBOUR LINK ALSO BEING CONSTRUCTED WILL ENSURE FASTER CONNECTIVITY BETWEEN NAVI MUMBAI AND SOUTH MUMBAI

THE SITE IS SITUATED NEAR THE SEA, AS THE RAINFALL IS HIGH THERE MIGHT BE CHANCES OF FLOODING AND WATER LOGGING AROUND THE SITE

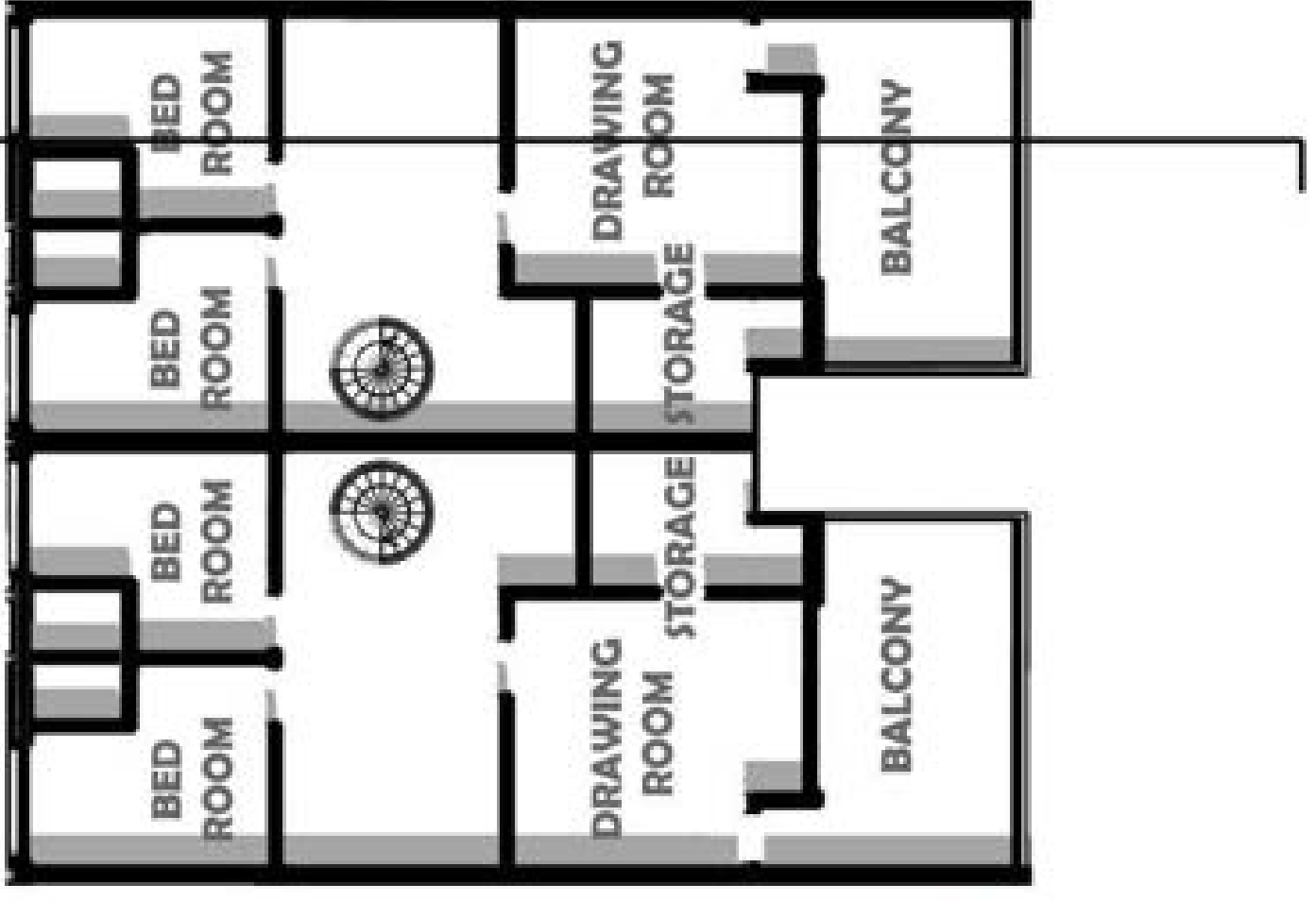


MASTER PLAN

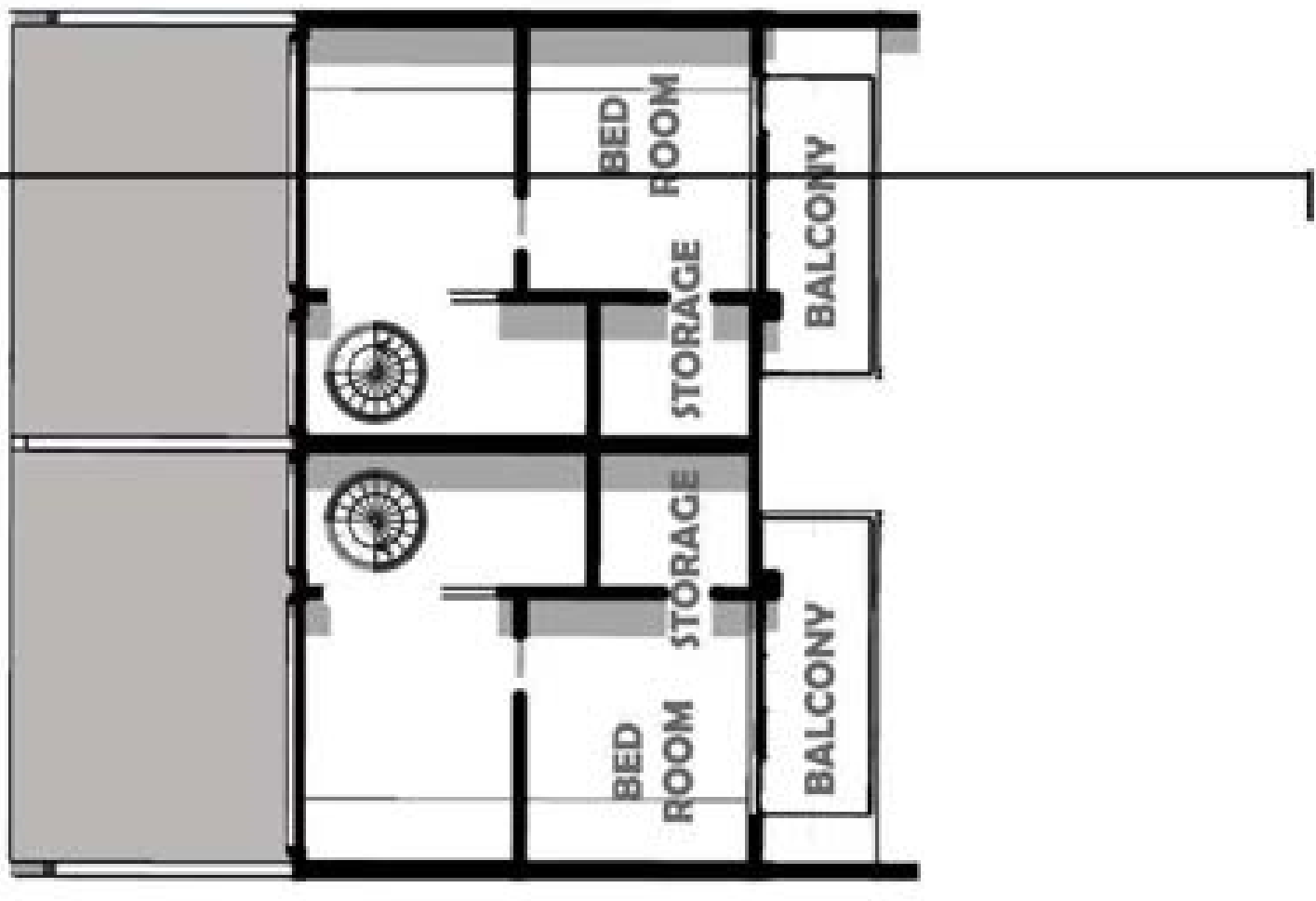
24.00m wide ROAD



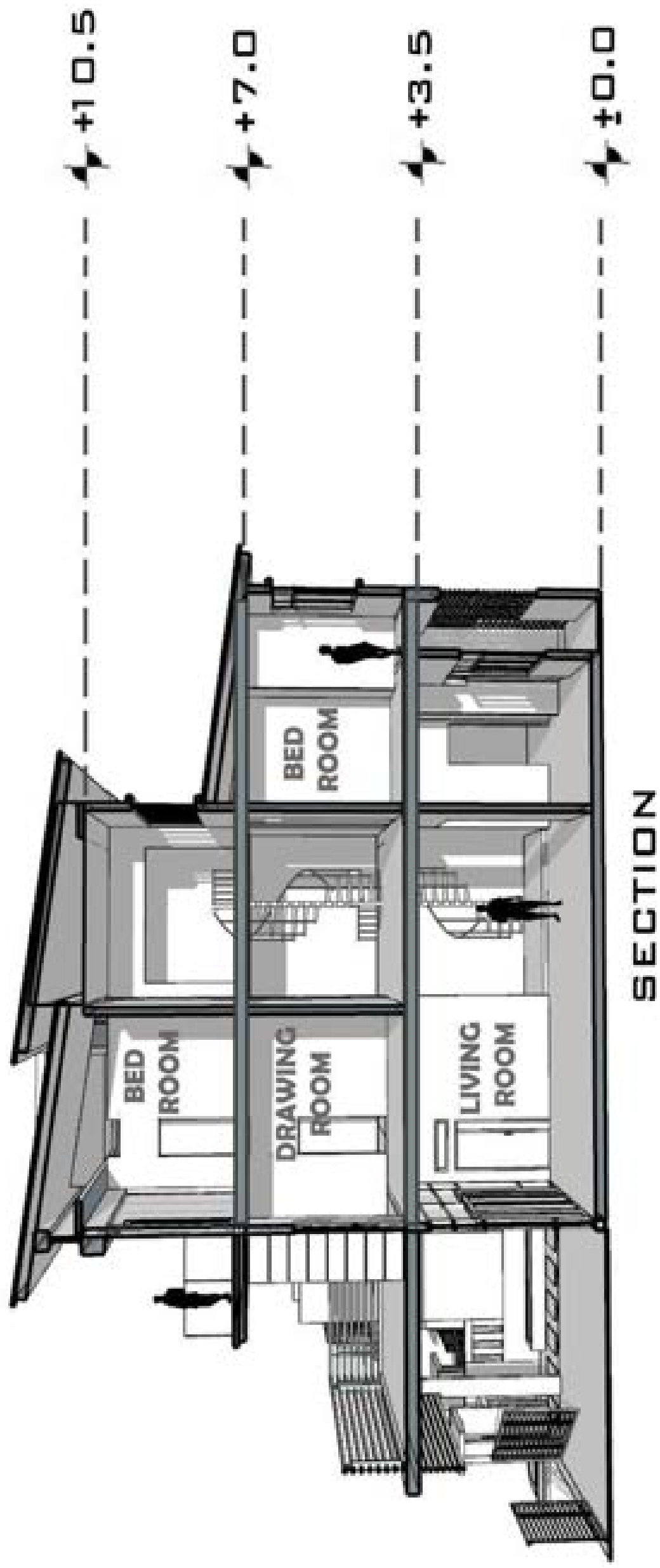
GROUND FLOOR PLAN



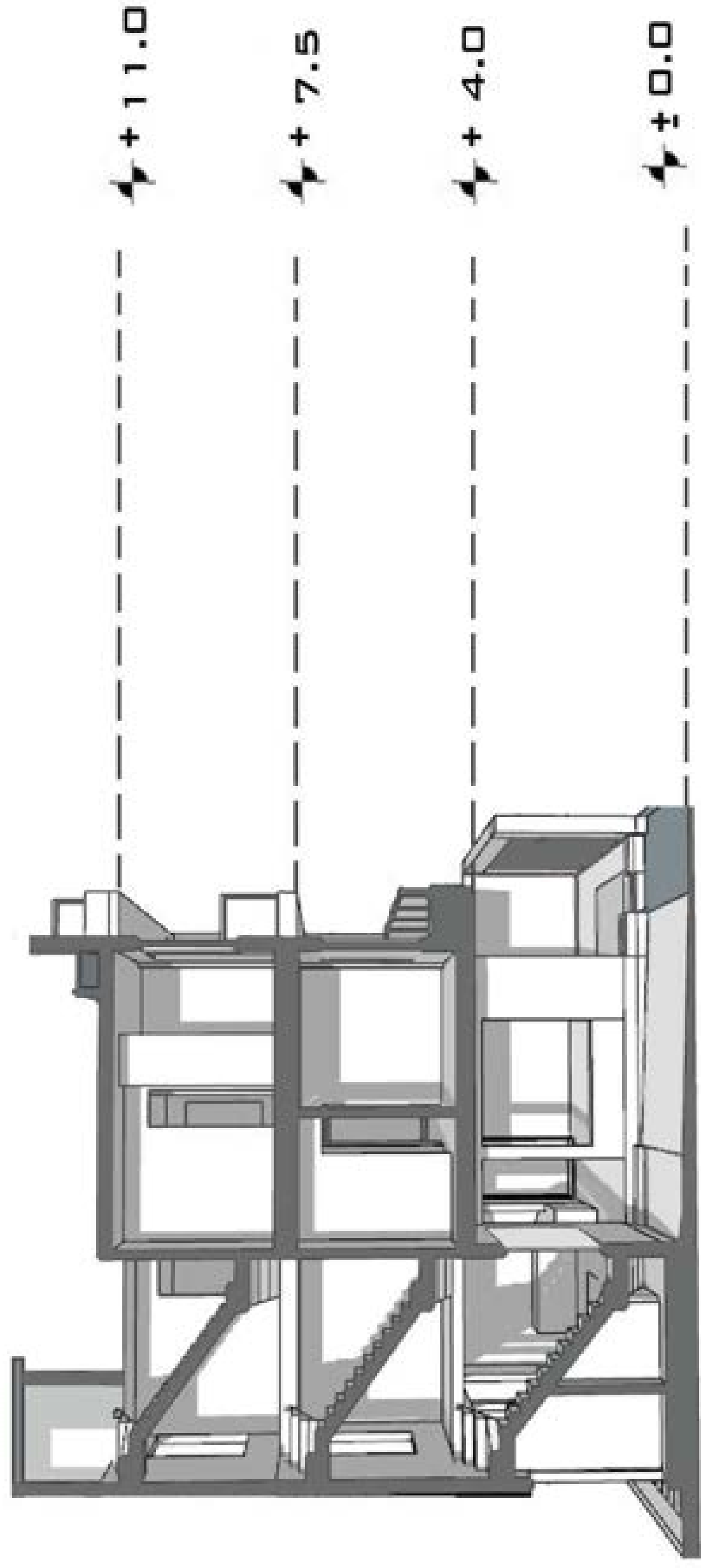
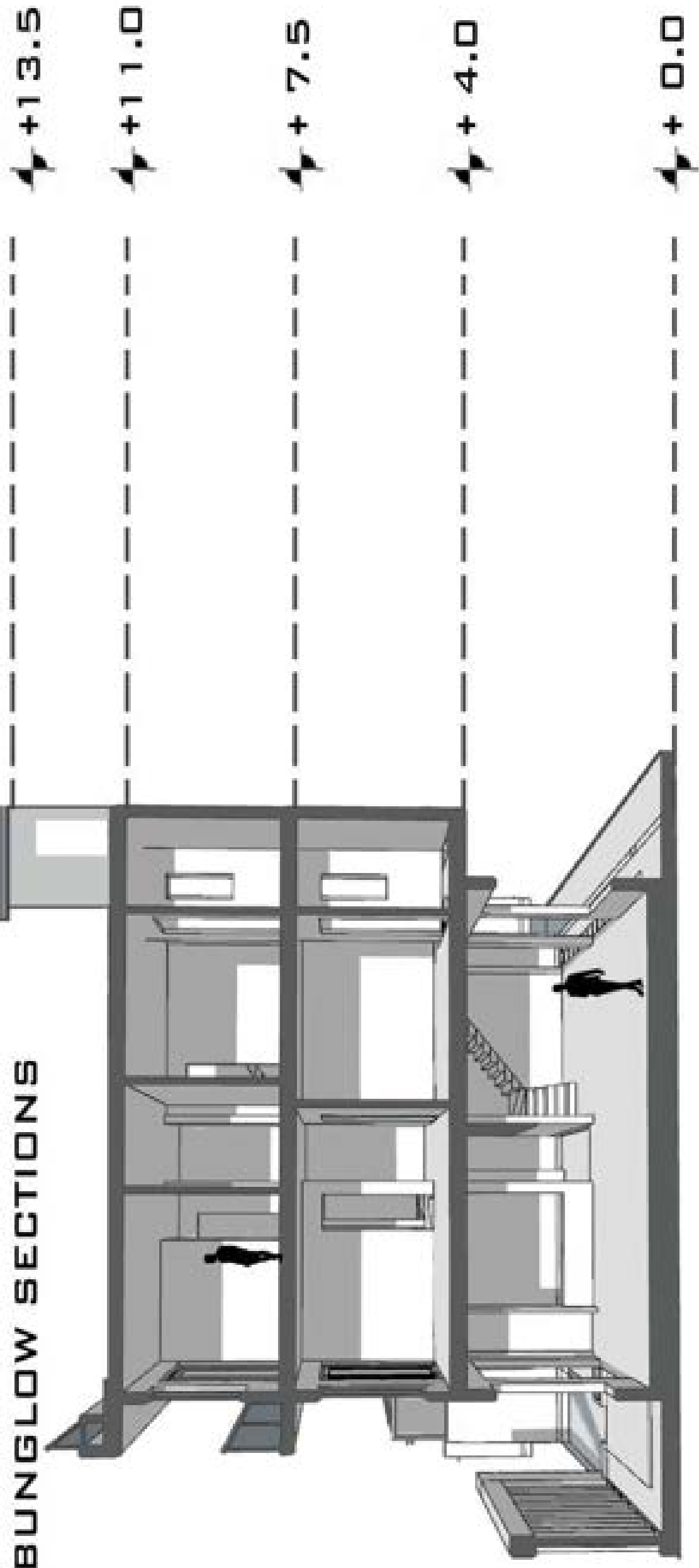
FIRST FLOOR PLAN

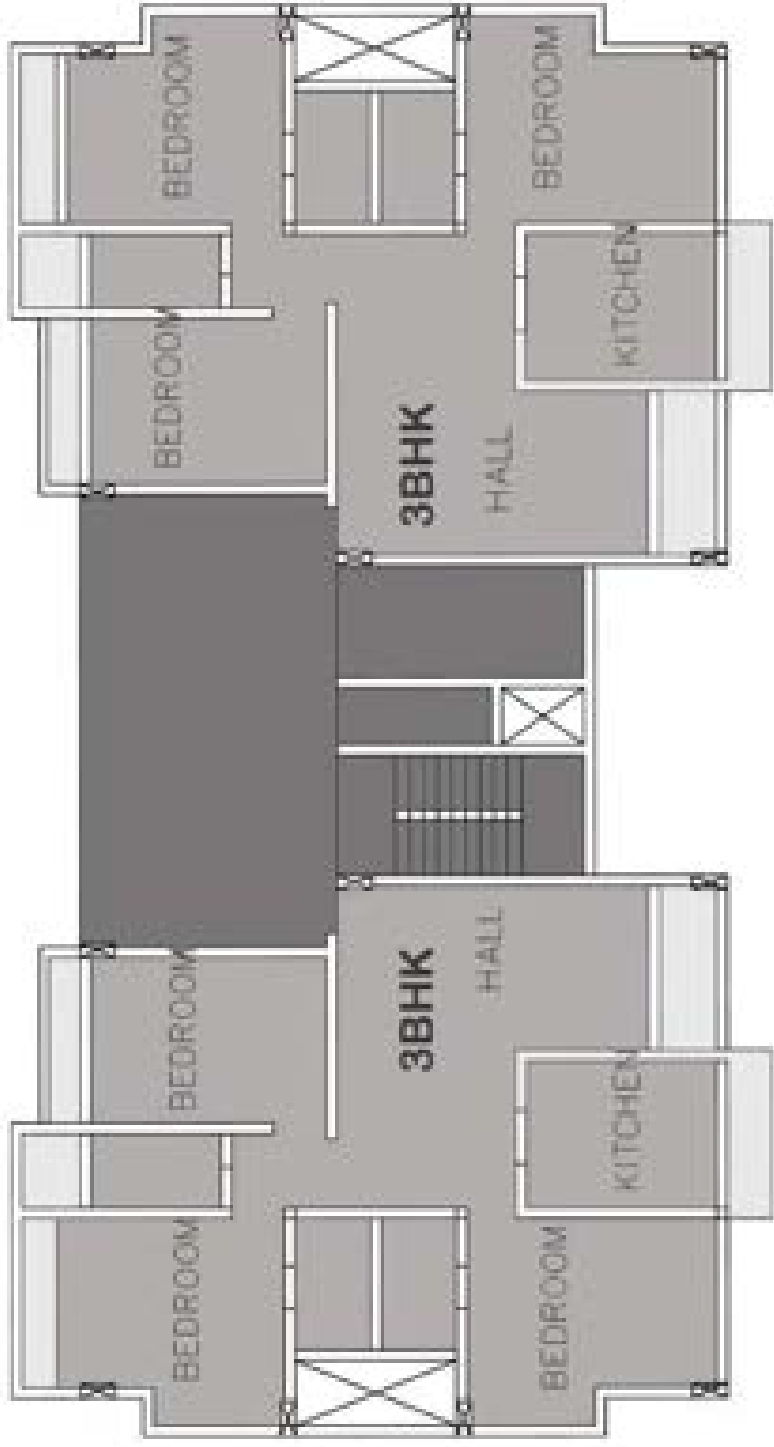


SECOND FLOOR PLAN

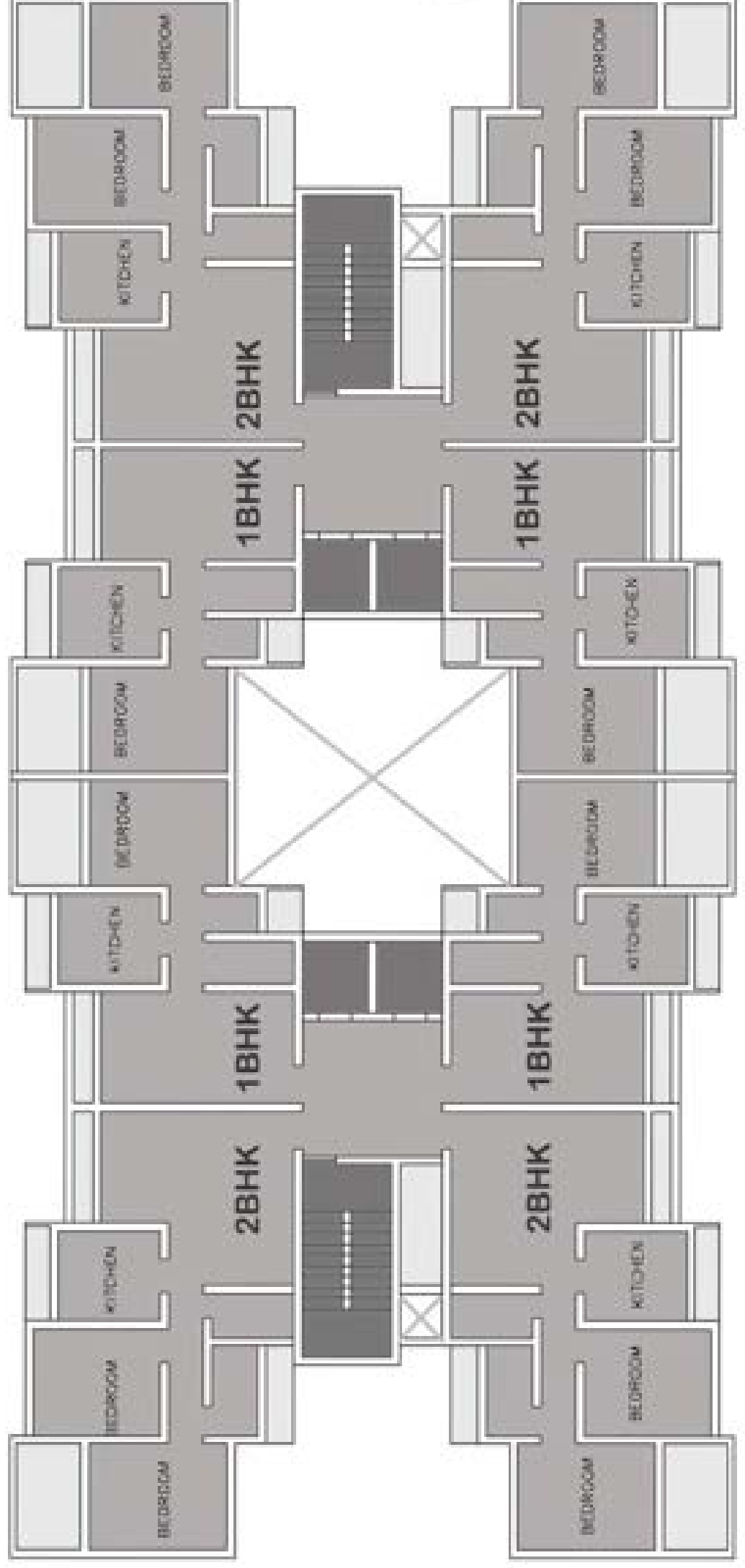


BUNGLOW SECTIONS

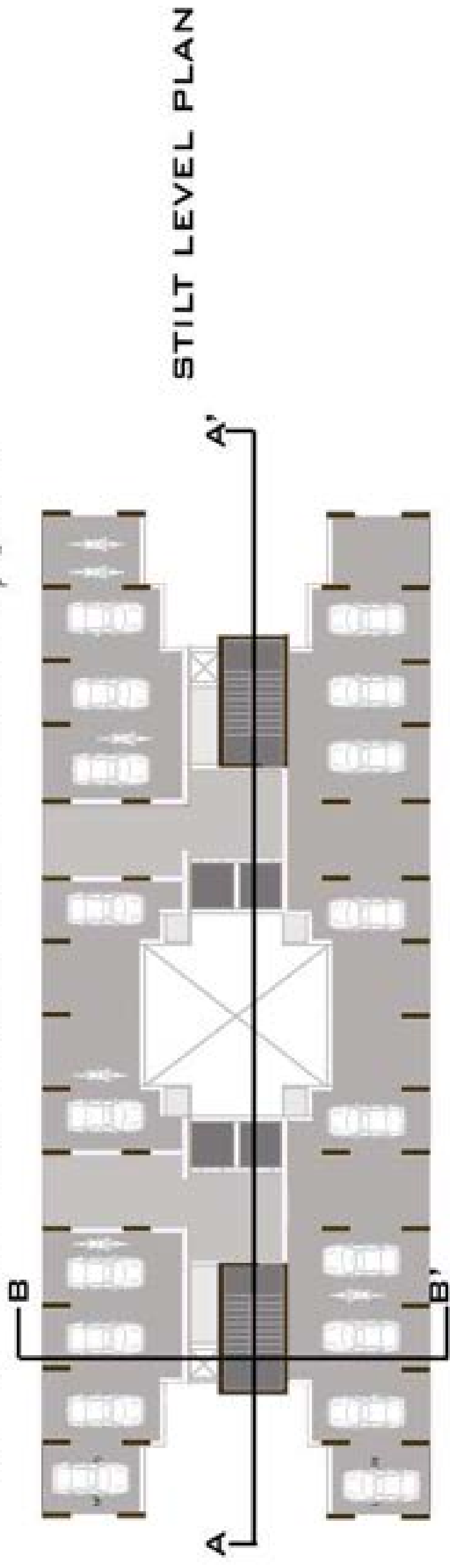
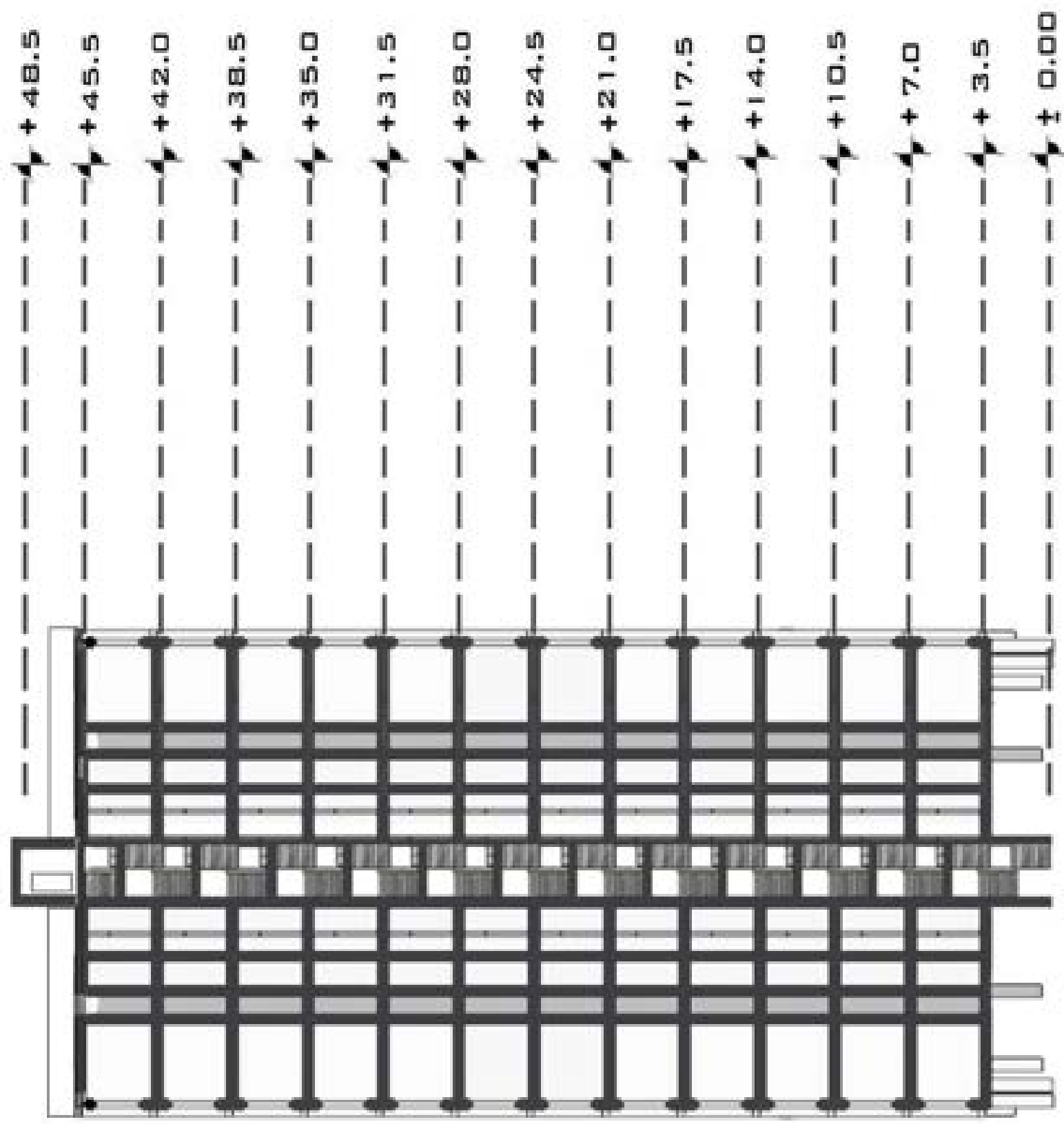




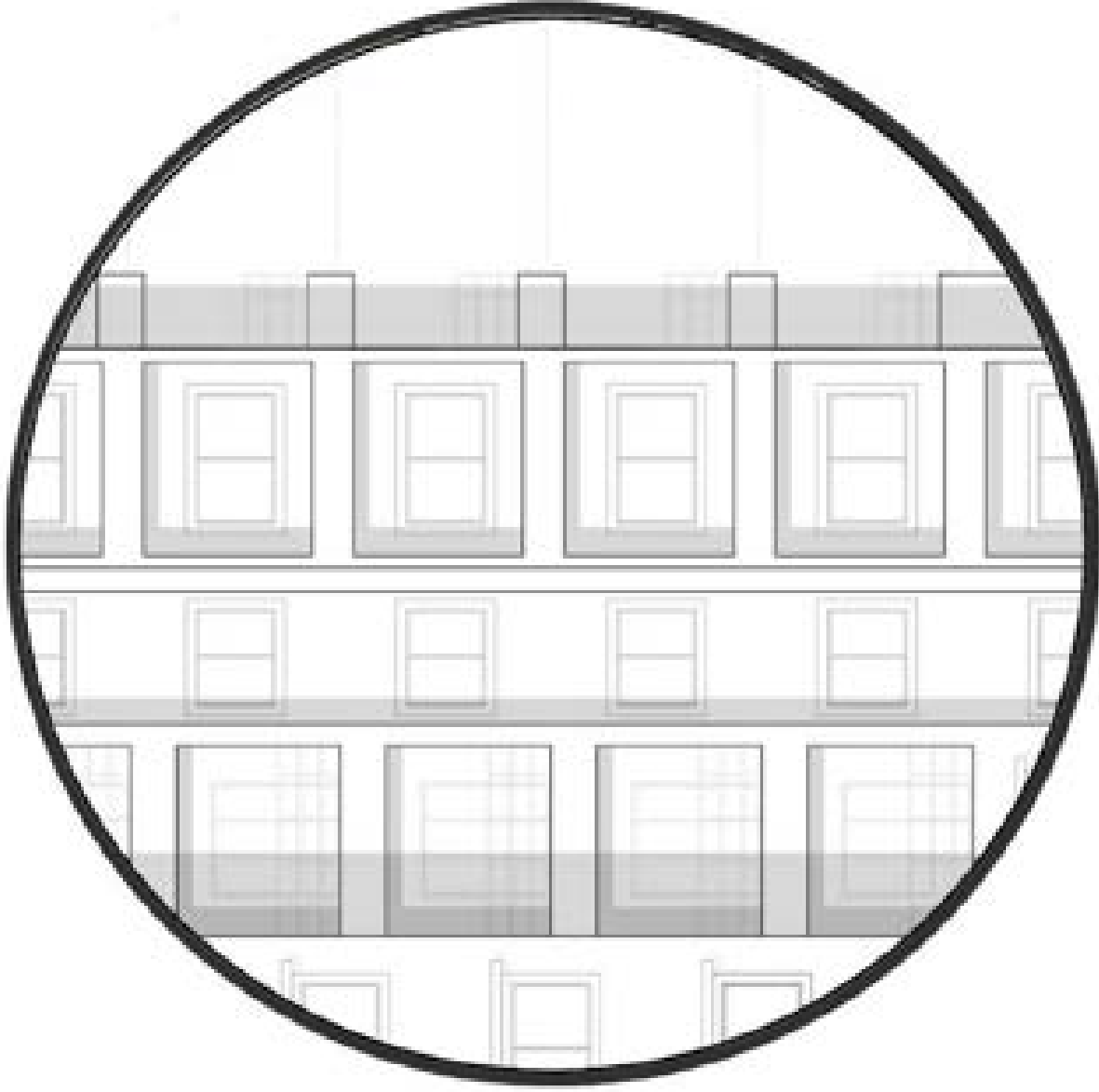
**FLOOR PLAN
(3BHK APARTMENT)**



**FLOOR PLAN
(1 AND 2 BHK APARTMENT)**



MUNICIPAL DRAWING



PROFORMA - I: AREA STATEMENT

Drawing Sheet No. 1/2

Stamps of Approval of Plans:

AREA STATEMENT

1. Area of plot		
(a) as per ownership document (7/12, CTS extract)	2738.419	
(b) as per measurement sheet	2738.419	
(c) as per site	2738.419	

DEDUCTIONS for

(a) Proposed D.P./D.P. road widening Area/service road (Highway widening)	-	
(b) Any D.P. reservation area	-	
Total (a+b)	-	
3. Balance area of plot (1-2)	2738.419	
4. Amenity Space (if applicable)	-	
(a) Required -	-	
(b) Adjustment of 2(b), if any	-	
(c) Balance Proposed -	2738.419	
5. Net Pkt Area (3-4(c))	-	
6. Recreational Open Space (if applicable)	-	
(a) Required -	-	
(b) Proposed -	-	
7. Internal Road Area	-	
8. Plottable Area (if applicable)	-	
9. Built-up area with reference to basic FSI, as per front road width (Sr. No. 9 X basic FSI)	4381.47	
10. Addition of FSI on payment of premium	-	
(a) Maximum permissible FSI - based on road width/TOD Zone.	-	
(b) Proposed FSI on payment of premium	-	

11. In-situ FSI /TDR loading

(a) Total in-situ/TDR loading proposed (11(a)+b)+c)	
(b) In-situ area against D.P. road (2.0 x Sr. No. 2(e), if any)	
(c) TDR area	

12. (d) Total in-situ/TDR loading proposed (11(a)+b)+c)

Additional FSI area under Chapter No. 7

13. Total entitlement of FSI in the proposal

(a) (9+10b)+11(d) or 12 whichever is applicable

(b) Ancillary Area FSI upto 60% or 80% with payment of charges

(c) Total entitlement

14. Maximum utilization limit of FSI (building potential)

Permissible as per road width (as per Regulation No. 6.1 or 6.2 or 6.3 or 6.4 as applicable x 1.6 or 1.8

1.6

15. Total Built-up Area in proposal. (excluding area at Sr. No. 17b)

(a) Existing Built-up Area

(b) Proposed Built-up Area

(c) Total

4381.47

4381.47

85% OR 1.6

F.S.I. Consume (15/13) should not be more than serial no. 14 above

REVISION	DESCRIPTION	DATE	SIGNATURE

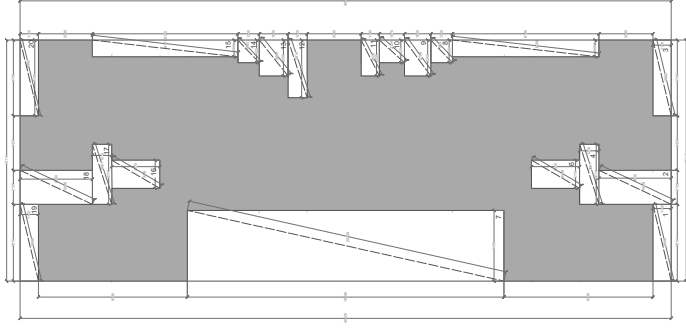
N
NAME & SIGN OF THE OWNER

SCALE: 1:100

DATE:

NAME: NIKHIL CHAUDHARI

BUILT-UP AREA CALCULATION	
TYPICAL FLOOR	BUA= 841.47SQ. M
DEDUCTION	
1. 5.53 SQ. M	
2. 9.67 SQ. M	
3. 5.45 SQ. M	
4. 4.58 SQ. M	
5. 9.69 SQ. M	
6. 5.33 SQ. M	
7. 87.8 SQ. M	
8. 1.92 SQ. M	
9. 3.72 SQ. M	
10. 2.24 SQ. M	
11. 2.58 SQ. M	
12. 4.34 SQ. M	
13. 4.05 SQ. M	
14. 1.92 SQ. M	
15. 9.62 SQ. M	
16. 5.31 SQ. M	
17. 4.61 SQ. M	
18. 9.67 SQ. M	
19. 5.53 SQ. M	
20. 5.45 SQ. M	
TOTAL DEDUCTION = 189.1 SQ.M	
BUILT UP AREA = 427.69 SQ.M	



BUILT UP AREA DIAGRAM

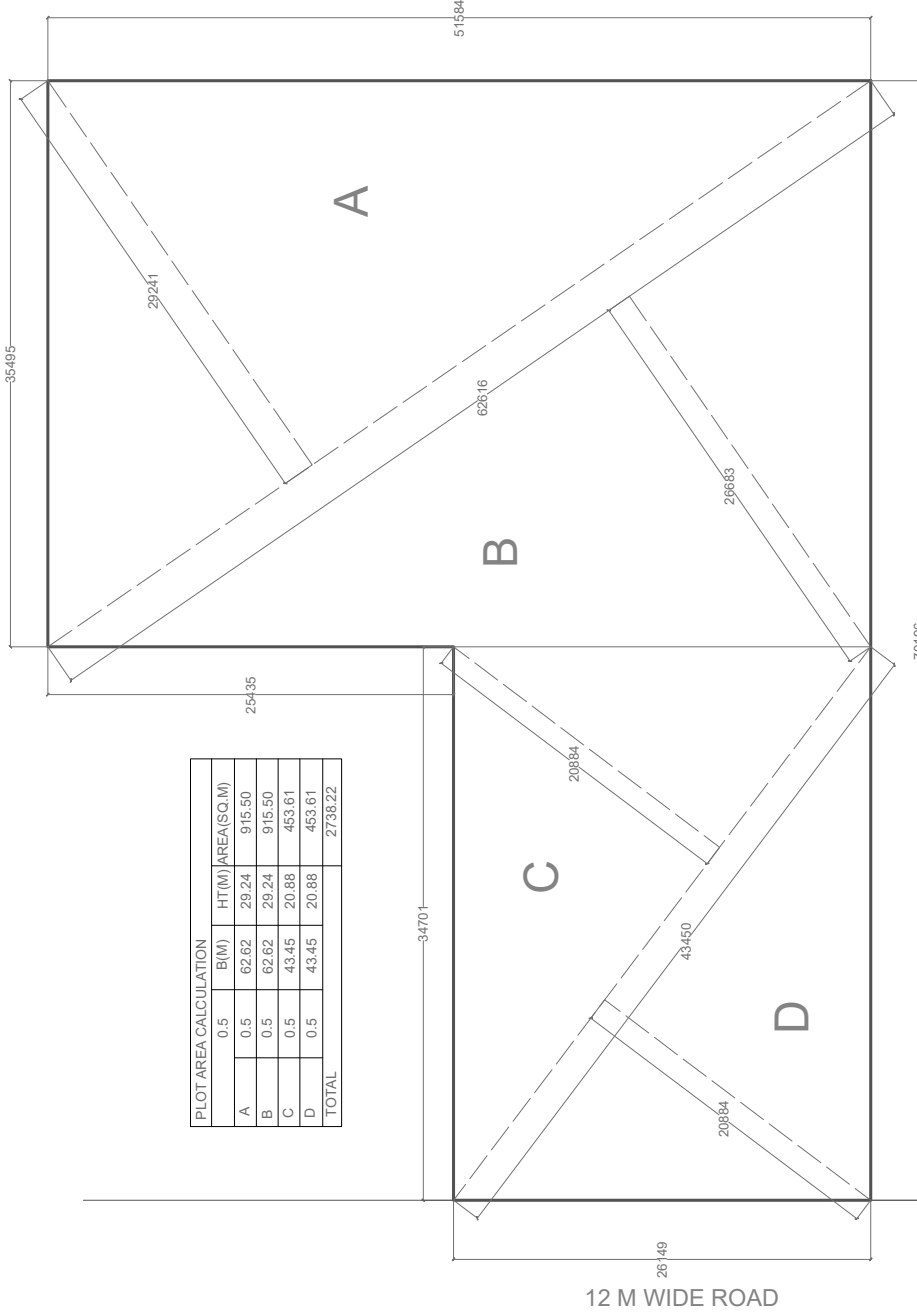
SCALE 1:100

PARKING AREA STATEMENT				
TENEMENTS	NO. OF FLATS	CAR PARKING (REQ.)	BIKE PARKING (PROVIDED)	BIKE PARKING (REQ.)
1,2-BHK	32	16	64	64
3-BHK	8	8	16	16
VISITORS	-	5%	03	10
TOTAL	-	-	27	90

OCCUPANT LOAD		
TYPE	NO. OF FLATS/NO. OF PERSONS/FLAT	TOTAL NO. OF PERSONS
1 BHK	16 / 4	64
2 BHK	16 / 5	80
3 BHK	8 / 6	48

SANITATION STATEMENT				
BUILDING	USE	BUA SQ.M	NO. OF PERSONS	WATER REQ. SHIFT
BUILDING A	RESIDENTIAL	5287.9 SQ.M	192	25920 LTR

SANITATION STATEMENT			
SEPTIC TANK	OHT	REQ. LTR	PROV. LTR
REQ. CU/M	35.20	25920	34560
REQ. CU/M	32.28	3520	25920

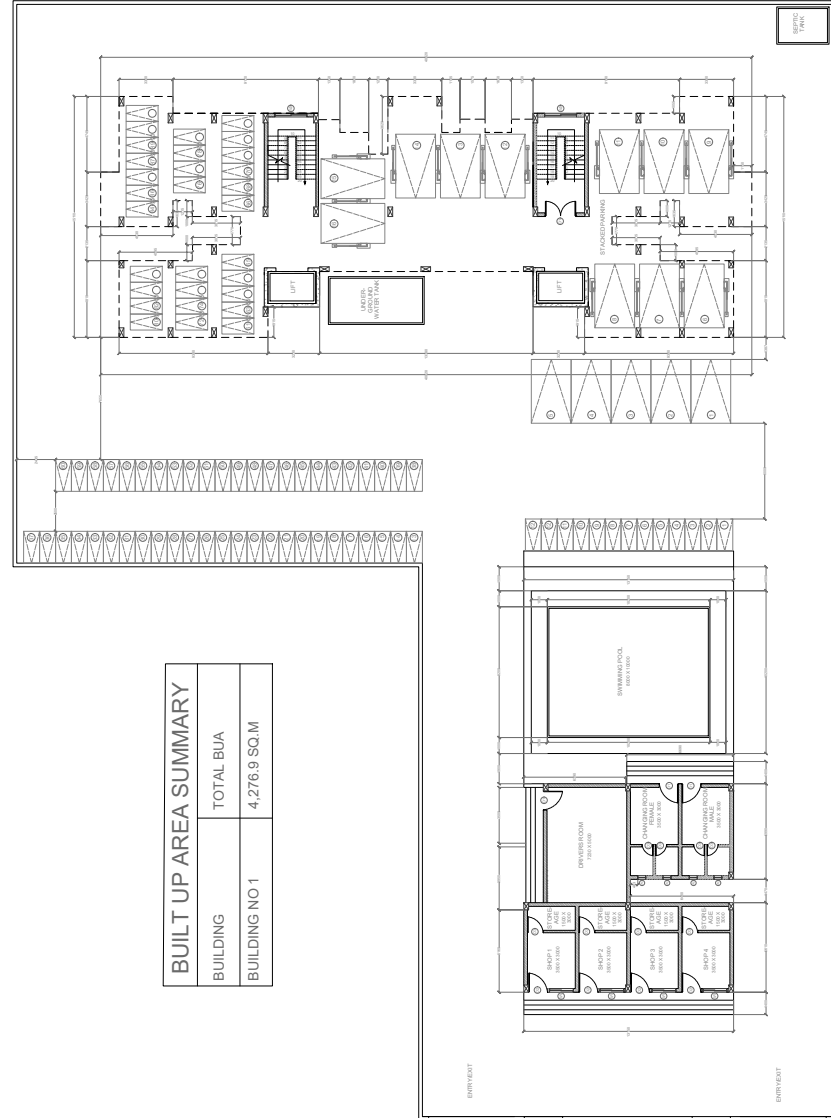


PLOT AREA CALCULATION

SCALE 1:100

PLOT AREA CALCULATION			
0.5	B(M)	HT(M)	AREA(SQ.M)
A	0.5	62.62	29.24
B	0.5	62.62	29.24
C	0.5	43.45	20.88
D	0.5	43.45	20.88
TOTAL			2738.22

BUILT UP AREA SUMMARY	
BUILDING	TOTAL BUA
BUILDING NO 1	4,276.9 SQ.M



GROUND FLOOR PLAN

SCALE 1:100

PROFORMA - I: AREA STATEMENT
Drawing Sheet No. 2/2

Stamps of Approval of Plans:

AREA STATEMENT	
1. Area of plot	2738.419
(a) as per ownership document (7/12, CTS extract)	2738.419
(b) as per measurement sheet	2738.419
(c) as per site	2738.419
2. Deductions for	-
(a) Proposed D.P./D.P. road widening Area/service road/Highway widening	-
(b) Any D.P. reservation area	-
Total (a+b)	2738.419
3. Balance area of plot (1-2)	-
4. Amenity Space (if applicable)	-
(a) Required -	-
(b) Adjustment of 2(b), if any	-
(c) Balance Proposed -	2738.419
5. Net Plot Area (3-4(c))	-
6. Recreational Open Space (if applicable)	-
(a) Required -	-
(b) Proposed -	-
7. Internal Road Area	-
8. Plotable Area (if applicable)	-
9. Built-up area with reference to basic FSI, as per front road width (Sr. No. 5 x basic FSI)	4381.47
10. Addition of FSI on payment of premium	-
(a) Maximum permissible FSI - based on road width/TOD Zone.	-
(b) Proposed FSI on payment of premium	-
11. In-situ FSI/ TDR loading	-
(a) In-situ area against D.P. road (2.0 x Sr. No. 2(a)), if any	-
(b) In-situ area against Amenity Space if handed over	-
(c) TDR area	-
(d) Total in-situ/TDR loading proposed (11(a)+(b)+(c)) Additional FSI area under Chapter No. 7	-
13. Total entitlement of FSI in the proposal	-
(a) (9+10b)+1(d) or 12 whichever is applicable	-
(b) Ancillary Area FSI upto 60% or 80% with payment of charges	-
(c) Total entitlement	-
14. Maximum utilization limit of FSI (building potential) Permissible as per road width (as per Regulation No. 6.1 or 6.2 or 6.3 or 6.4 as applicable x 1.6 or 1.8	1.6
15. Total Built-up Area in proposal. (excluding area at Sr. No. 17b)	-
(a) Existing Built-up Area	4381.47
(b) Proposed Built-up Area	4381.47
(c) Total	8552.94
16. F.S.I. Consumed (15/13) should not be more than serial no. 14 above	85% OR 1.6
17. (a) Required (20% of Sr. No. 5)	-
(b) Proposed	-

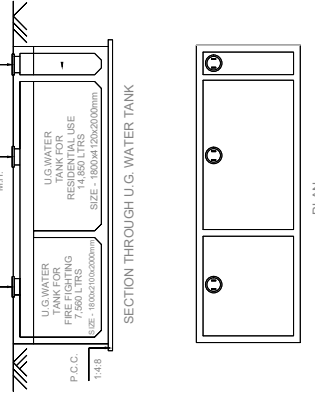
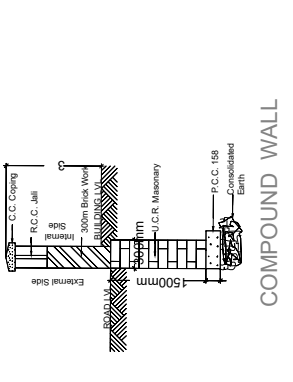
REVISION	DESCRIPTION	DATE	SIGNATURE

N
NAME & SIGN OF THE OWNER

SCALE : 1:100

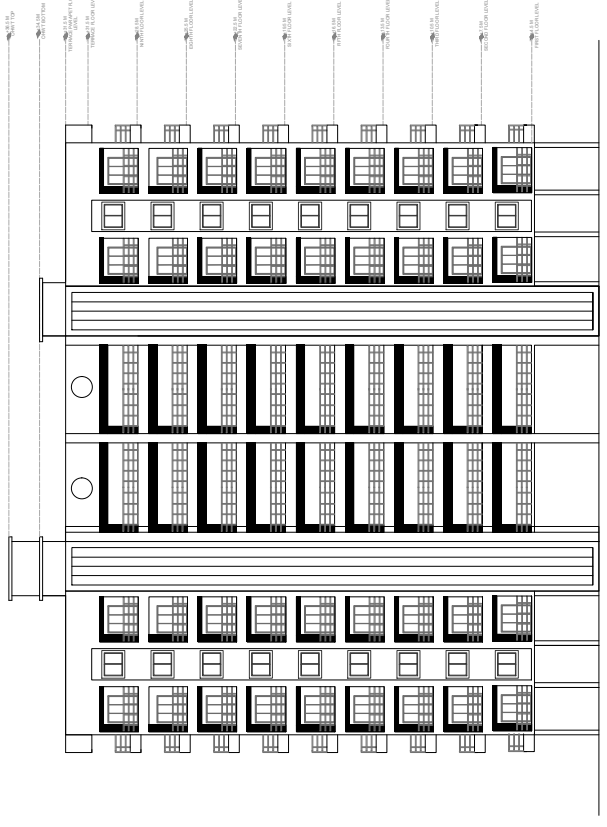
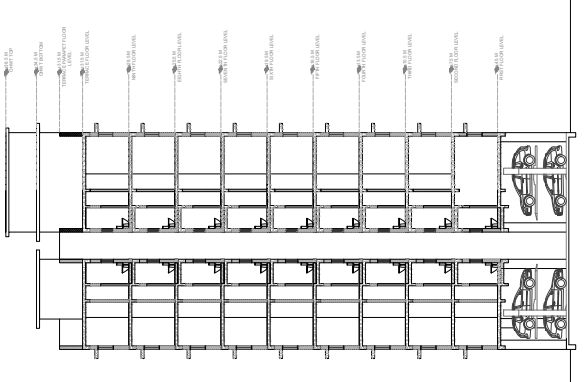
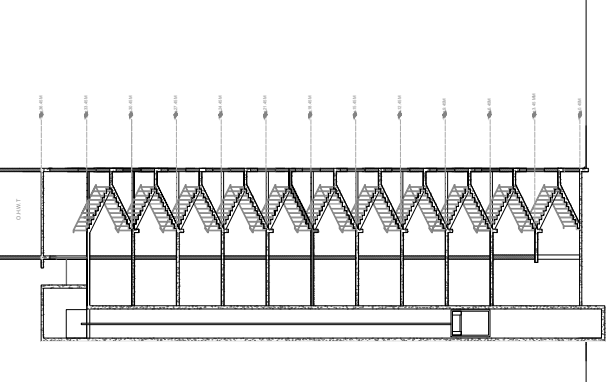
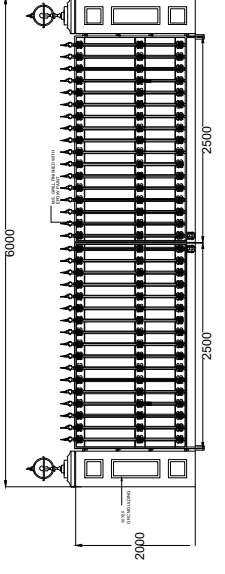
DATE :

NAME : NIKHIL CHAUDHARI



PLAN

UNDER GROUND WATER TANK



CARPET AREA CALCULATION FOR FLAT NO 1 AND 5

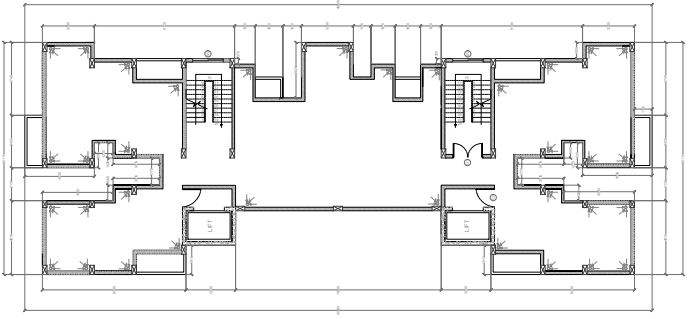
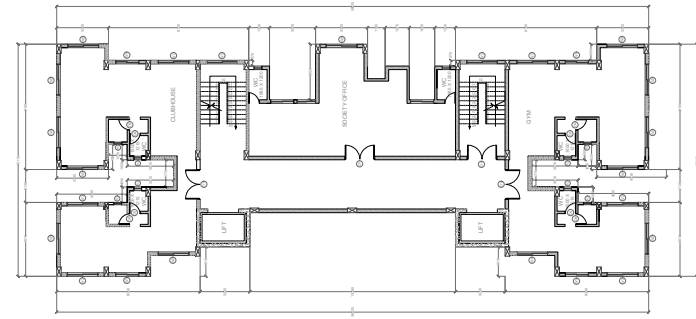
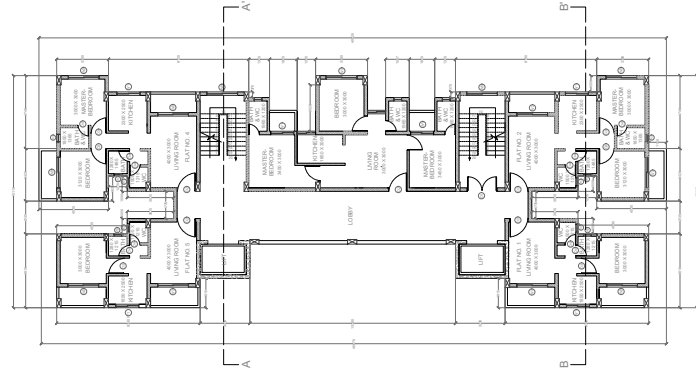
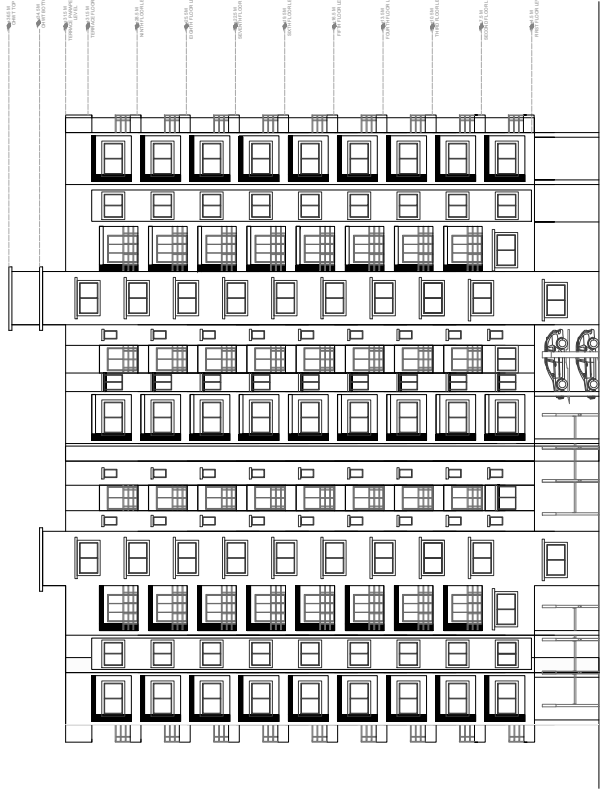
SRL NO	NAME	AREA (SQ.M)
1	LIVING ROOM	14.48 SQ.M
2	BEDROOM	11.5 SQ.M
3	KITCHEN	6.4 SQ.M
4	BATH	2.8 SQ.M
5	WC	2.5 SQ.M
6	BALCONY'S	8.6 SQ.M
8	OTHER	2.9 SQ.M
TOTAL		49.04 SQ.M

CARPET AREA CALCULATION FOR FLAT NO 3

SRL NO	NAME	AREA (SQ.M)
1	LIVING ROOM	16.3 SQ.M
2	BEDROOM	11.5 SQ.M
3	MASTER BEDROOM 1	13.2 SQ.M
4	MASTER BEDROOM 2	13.2 SQ.M
5	KITCHEN	7.2 SQ.M
6	BATH & WC	3.8 SQ.M
7	BATH & WC	3.8 SQ.M
8	BATH & WC	3.8 SQ.M
9	BALCONY'S	4.6 SQ.M
10	OTHER	6.2 SQ.M
TOTAL		83.6 SQ.M

CARPET AREA CALCULATION FOR FLAT NO 2 AND 4

SRL NO	NAME	AREA (SQ.M)
1	LIVING ROOM	18.2 SQ.M
2	BEDROOM	11.5 SQ.M
3	MASTER BEDROOM	11.5 SQ.M
4	KITCHEN	6.8 SQ.M
5	BATH	2.8 SQ.M
6	WC	2.8 SQ.M
7	BATH & WC	6.8 SQ.M
8	BALCONY'S	3.8 SQ.M
8	OTHER	6.8 SQ.M
TOTAL		88.9 SQ.M



DOOR WINDOW SCHEDULE

TYPE	DIMENSIONS(M)	DESCRIPTIONS
D1	1.8 X 2.1	DOUBLE SHUTTER PANEL TIMBER DOOR
D2	1.2 X 2.1	SINGLE SHUTTER PANEL TIMBER DOOR
D3	0.75 X 1.8	SINGLE SHUTTER PANEL TIMBER DOOR
W1	1.5 X 1	GLAZED 3 PANEL SLIDING WINDOW
W2	2 X 1.5	GLAZED 3 PANEL SLIDING WINDOW
W3	0.6 X 0.8	LOUVER WINDOW

THANKYOU

