



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with "A" grade by NAAC I 12B Status by UGC I Approved by AICTE
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 600 119
www.sathyabama.ac.in

SCHOOL OF BUILDING AND
ENVIRONMENT DEPARTMENT OF
ARCHITECTURE
VIVA-VOCE EXAMINATION

This is to certify that the practical training SAR 4063 is the work of **VIVIN MEROLA S** who had undergone training in **SHASHI PRABHU & ASSOCIATES** and has been monitored by the continuous assessment during JUNE 2022 to OCTOBER 2022.

Dr. Devyani Gangopadhyay
DEAN



Submitted for Viva voce Examination held on 13/12/2022

Internal Examiner

External Examiner

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DECLARATION

I, **VIVIN MEROLA S**, by declaring that the Training Report **JUNE 2022 to OCTOBER 2022** done by me under the guidance of **Ar.SHASHI PRABHU** is submitted in partial fulfillment of the requirements for the completion of a practical training session.

DATE : 13/12/2022

PLACE : CHENNAI



SIGNATURE OF CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to the Board **of Management of SATHYABAMA** for their kind encouragement in doing this practical training and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr. Devyani Gangopadhyay**, Dean, School of Building and Environment and **Ar.Sarath Chandra Kanth**, Design Chair, Department of Architecture for having been a constant source of support and encouragement.

I wish to express my thanks to all Teaching and Non-teaching staff members of the Department who were helpful in many ways for the completion of the project.

I also wish to thank **Ar. Shashi Prabhu**, for the experience of interning at their firm.

Wankhede Stadium, Block A2 and B1, North Stand, 'D' Road, Churchgate, Mumbai - 400 020.
Tel : (022) 6619 9999, Fax : (022) 6619 9900, E-mail : mail@spaaec.com. Website: www.spaaec.com

**SHASHI
PRABHU
AND
ASSOCIATES**

ARCHITECTS, INTERIOR DESIGNERS AND PROJECT MANAGEMENT CONSULTANTS

June 7, 2022

Vivin Merola
Mumbai.

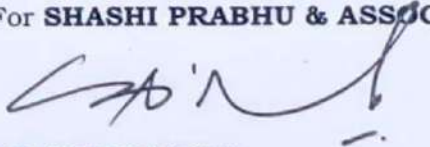
Sub: Confirmation Letter

We are pleased to inform, that you have been confirmed as an "INTERN" in our firm. Internship tenure is tentatively from June 01, 2022 as a part of the compulsory 90 working days practical training. We welcome you to **SHASHI PRABHU & ASSOCIATES** & hope it would be the beginning of a long & mutually beneficial association.

You are requested to carry your laptop with you.

Thanking you,

For **SHASHI PRABHU & ASSOCIATES**


SHASHI PRABHU

MUMBAI • PUNE • HYDERABAD • DUBAI



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DEPARTMENT OF ARCHITECTURE

PROFESSIONAL PRACTICAL TRAINING REPORT 2022

(Continuous progress report of the trainee architect for the period of One month in the office to submitted to HOD by the Trainee in Charge of the Organization)

1. Name of the office / organization : *Shashi Prabhu & Associates*
2. Address & Contact Number : *Wankhede Stadium, D' Road, Mumbai*
Pin: 400 020; Tel: (022) 6619 9999
3. Name of the student : *Vivin Merda S*
4. Duration : From *01/06/2022* To *30/06/2022*
5. Total No. of days : *22*

6. Evaluation of Performance criteria shall be on

* Note: Kindly grade the student as per his/her overall performance in the office during the assessment month which will be converted to the allotted 90 marks by the department.

Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture		✓			
Participation in the office			✓		
Reading of drawings		✓			
Presentation Techniques	✓				
Model making works			✓		
Understanding of construction details		✓			
Drafting Skills (Manual / Computer)			✓		
Site Supervision / Discussion with clients					✓
Adherence to Time schedule	✓				
Other computer skills		✓			
File and Office Maintenance		✓			
Coordination with other consultants					✓
Overall Grading*	A				

(A - 9.0, B - 8.0, C - 7.0, D - 6.0, E - 5.0)



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7. Any other Remarks : *She is very sincere at work and also good at her research work.*

8. Signature of the:
Head of the Office
/ Organization
(With Seal)

Sanika
16/7/22
SHASHI PRABHU & ASSOCIATES

AR. SANIKA PHATANGARE.



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1. Name of the office / organization : *Shashi Prabhu & Associates*
2. Address & Contact Number : *Wankhede stadium, D road, Mumbai*
Pin: 400 020; Tel: (022) 6619-999
3. Name of the student : *Vivin Menla S*
4. Duration : From *01/07/2022* To *31/07/2022*
5. Total No. of days : *21*

6. Evaluation of Performance criteria shall be on

* Note: Kindly grade the student as per his/her overall performance in the office during the assessment month which will be converted to the allotted 90 marks by the department.

Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture		✓			
Participation in the office	✓				
Reading of drawings		✓			
Presentation Techniques			✓		
Model making works					✓
Understanding of construction details			✓		
Drafting Skills (Manual / Computer)		✓			
Site Supervision / Discussion with clients					✓
Adherence to Time schedule	✓				
Other computer skills		✓			
File and Office Maintenance			✓		
Coordination with other consultants					✓
Overall Grading*	A				

(A - 9.0, B - 8.0, C - 7.0, D - 6.0, E - 5.0)



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7. Any other Remarks : She is consistently improving with her practical design skills.

8. Signature of the:
Head of the Office
/ Organization
(With Seal)



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PROFESSIONAL PRACTICAL TRAINING REPORT 2022

(Continuous progress report of the trainee architect for the period of One month in the office to submitted to HOD by the Trainee in Charge of the Organization)

1. Name of the office / organization : Shashi Prabhu & Associates
2. Address & Contact Number : Wankhede Stadium, D road, Mumbai, Ph: 400 020; Tel: (022) 6619-999
3. Name of the student : Vivin Menola S
4. Duration : From 01-08-2022 To 31-08-2022
5. Total No. of days : 21

6. Evaluation of Performance criteria shall be on

* Note: Kindly grade the student as per his/her overall performance in the office during the assessment month which will be converted to the allotted 90 marks by the department.

Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture	✓				
Participation in the office		✓			
Reading of drawings	✓				
Presentation Techniques		✓			
Model making works (3D)		✓			
Understanding of construction details			✓		
Drafting Skills (Manual / Computer)		✓			
Site Supervision / Discussion with clients					-
Adherence to Time schedule	✓				
Other computer skills		✓			
File and Office Maintenance					-
Coordination with other consultants					-
Overall Grading*	A				

(A - 9.0, B - 8.0, C - 7.0, D - 6.0, E - 5.0)



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7. Any other Remarks : *Vivian has gradually improved with her technical knowledge & design skills.*

8. Signature of the:
Head of the Office
/ Organization
(With Seal)

Leanne
15/9/22



Date	No.of working days	Project name	Workdone
JUNE			
01-06-2022	1	UPSRTC	Research data - bus terminal
02-06-2022	2	UPSRTC	Completion - literature research, Completion - research on zoning, circulation. Started with site selection - tier connectivity for 14 selected sites
03-06-2022	3	UPSRTC	Completion - connectivity for the selected sites, research in upcoming projects in UP, Completion - presentation corrections
06-06-2022	4	TATA Housing	Site layout/boundary figuring out & cad site drafting, Zoning - 2 options in tracing paper
07-06-2022	5	TATA Housing	Completion of zoning option 3 in tracing paper, plotting in cad
08-06-2022	6	TATA Housing	Completion of cad plotting - 2 options
09-06-2022	7	TATA Housing	Rastering the site surrounding plots from overlapping g earth, document, dp. Drafting refined site
10-06-2022	8	TATA Housing	Detailing and making presentation draftings of option A. Calculation of area statement and landuse area statement
13-06-2022	9	TATA Housing, UPSRTC	Presentation of the 5 plotting master plans and calculation, UPSRTC research data arrangement
14-06-2022	10	TATA Housing, UPSRTC	TATA housing presentation and UPSRTC presentation
15-06-2022	11	TATA Housing	TATA housing presentation
16-06-2022	12	TATA Housing, UPSRTC	TATA housing presentation, Preparation of Guideline book for bus terminal
17-06-2022	13	UPSRTC	Completion of Guideline book for bus terminal
20-06-2022	14	UPSRTC	Presentation works of Guideline book for bus terminal, Site analysis, Rastering the site and surrounding from G earth
21-06-2022	15	UPSRTC	Tabling the project requirements from RFA document, Zoning
22-06-2022	16	UPSRTC	Zoning - 4 options
23-06-2022	17	UPSRTC, Ujjabhoomi, Redevelopment project - Marine lines	Zoning blocks - UPSRTC, Admin block cad drafting - Stupa, Block model in sketchup for Redevelopment project
24-06-2022	18	UPSRTC, Vikrholi Corporate Park	Zoning with bay details etc., - UPSRTC, Vikrholi Corporate Park - Area statements / details in excel
27-06-2022	19	Vikrholi Corporate Park, UPSRTC, Ujjabhoomi	Vikrholi Corporate Park - Drafting of plan, UPSRTC - Zoning - 2, Stupa - Admin block
28-06-2022	20	Working Women's hostel at Parel, Seweri, UPSRTC, Ujjabhoomi	Hostel - Plan drafting corrections, Stupa - Master plan drafting, UPSRTC - Zoning
29-06-2022	21	UPSRTC, Sitaram Palturam	UPSRTC - Zoning, Sitaram Palturam - Sketchup models - 3
30-06-2022	22	Ujjabhoomi	Plan corrections, Rendering, Landscape designning
JULY			
01-07-2022	23	Ujjabhoomi	Landscape designning - around stupa
04-07-2022	24	Ujjabhoomi, Vikrholi Corporate Park	Ujjabhoomi - landscape around stupa, viewpoints circulation. Vikrholi Corporate Park - Sketchup block model
05-07-2022	25	Ujjabhoomi, UPSRTC	Landscape approval, UPSRTC approval
06-07-2022	26	Ujjabhoomi	Residence design, Buddha gate research
07-07-2022	27	Ujjabhoomi, TATA Housing	Buddha gate - research, drafting, TATA Housing - landuse area calculations
08-07-2022	28	Ujjabhoomi	Buddha gate - drafting, Residence plan - Approval, Villa - Zoning
11-07-2022	29	Ujjabhoomi	Villa drafting, Stupa lighting layout
12-07-2022	30	Ujjabhoomi, Residential development in Tardeo	Buddha gate and villa - finalization, Buddha gate - material research, Rehabilitation and resettlement housing - Site plan drafting
13-07-2022	31	Residential development in Tardeo, Vikrholi Corporate Park	Residential development in Tardeo - SKP Block model, Site zoning, Presentation; Vikrholi Corporate Park - PPT Presentation
14-07-2022	32	Residential development in Tardeo	Residence zoning / planning
15-07-2022	33	Residential development in Tardeo	Reading of udcpr 2034 for the residential project. Started with zoning
18-07-2022	34	Residential development in Tardeo, Vikrholi Corporate Park	Res. Dev. In Tardeo - Planning of EWS block; Vikrholi Corporate Park - SKP Model - 2, Master Plan drafting
19-07-2022	35	Vikrholi Corporate Park	Vikrholi Corporate Park - Photoshop rendering of master plans, Revit model corrections
20-07-2022	36	VLT - TATA Cancer care center	Presentation and corrections of master plans, floor plans, sections
21-07-2022	37	VLT - TATA Cancer care center, Residential development in Tardeo, Vikrholi Corporate Park	VLT - TATA Cancer care center - Presentation of master plans, floor plans, sections; Residential development in Tardeo - EWS planning; Vikrholi Corporate Park - Road circulation
22-07-2022	38	Vikrholi Corporate Park	Presentation, Circulation plans of 12 Master plans
25-07-2022	39	Vikrholi Corporate Park, Residential development in Tardeo, Ujjabhoomi	Vikrholi Corporate Park - Option - 4 skp model; Residential development in Tardeo - EWS, MIG Unit planning; Ujjabhoomi - Final Presentation
26-07-2022	40	Residential development in Tardeo	Residential development in Tardeo - EWS, MIG, HIG Unit planning
27-07-2022	41	Residential development in Tardeo, Vikrholi Corporate Park	Residential development in Tardeo - EWS, MIG, HIG Unit and floor plate planning; Vikrholi Corporate Park - Plan/Basement rendering, pie charts
28-07-2022	42	Vikrholi Corporate Park	Plan Rendering in PS, Circulation, SKP Model
29-07-2022	43	Residential development in Tardeo	Residential development in Tardeo - EWS, MIG, HIG Unit, floor plate planning and site planning
AUGUST			
01-08-2022	44	Residential development in Tardeo	Conceptual research on spaces, entrances, lobbies, amenities

02-08-2022	45	Residential development in Tardeo	Concept / sec / elevation / floor plan
03-08-2022	46	Residential development in Tardeo, Andheri SRA	Residential development in Tardeo - Concept / sec / elevation / floor plan; Andheri SRA - Site rastering
04-08-2022	47	Ujjabhoomi, Residential development in Tardeo	Ujjabhoomi - Buddha gate drafting vr2; Residential development in Tardeo - floor plate planning
05-08-2022	48	Residential development in Tardeo, MIDC	Residential development in Tardeo - Floor plate, MIDC - Excel area statement
08-08-2022	49	Residential development in Tardeo	Floor plate, Section
09-08-2022	50	Residential development in Tardeo, MIDC	Residential development in Tardeo - Area & Parking calculation, Floor plate; MIDC - Excel flowchart
10-08-2022	51	Residential development in Tardeo, MIDC	Residential development in Tardeo - SKP model; MIDC - Excel flowchart
11-08-2022	52	Residential development in Tardeo	SKP model, Refuge / height / parking calculation, Floor plate
12-08-2022	53	Residential development in Tardeo	Drafting / model / presentation
15-08-2022	54		LEAVE
16-08-2022	55	Residential development in Tardeo	Ramp / Drafting / model / presentation
17-08-2022	56	Residential development in Tardeo	Drafting floor plate / presentation
18-08-2022	57	Residential development in Tardeo	Calculations / Final presentation
19-08-2022	58	TATA Dharamshala, Sewri	Research on dharamshalas / pilgrim centers
22-08-2022	59	TATA Dharamshala, Sewri	DP Layout / site plan rastering / Basic Research
23-08-2022	60	TATA Dharamshala, Sewri	Zoning / Typical floor planning
24-08-2022	61	TATA Dharamshala, Sewri	Typical floor / Ground floor planning
25-08-2022	62	TATA Dharamshala, Sewri; Suncity Bus stand	TATA Dharamshala, Sewri - Ramp, Calculations; Suncity Bus stand - Development plan Research
26-08-2022	63	TATA Dharamshala, Sewri	SKP model
29-08-2022	64	Suncity Bus stand	Development plan Research
30-08-2022	65	Topiwala Market, Goregaon	Site Visit
31-08-2022	66		LEAVE
SEPTEMBER			
05-09-2022	67	MSRDC	Master planning - RZ-02
06-09-2022	68	Hockey stadium	SKP model
07-09-2022	69	MSRDC	Master planning - RZ-03
08-09-2022	70	MSRDC	Master planning - RZ-03, RZ-07, RZ-10
09-09-2022	71	MSRDC	Master planning - RZ-10, RZ-04, RZ-05, RZ-11
12-09-2022	72	MSRDC, Topiwala Market	MSRDC - Completion of Final Master plan of all the plots; Topiwala Market - Staircase - 1 Section
13-09-2022	73	Topiwala Market	Staircase -1 - Section detailing, Staircase - 3 Section
14-09-2022	74	Topiwala Market, TATA Dharamshala	Topiwala Market - Drafting of Staircase - 2,3,4 Section; TATA Dharamshala - SKP model options
15-09-2022	75	TATA Dharamshala, Bhandup	TATA Dharamshala - SKP model options 3; Bhandup - Centerline Column layout
16-09-2022	76	TATA Dharamshala, Bhandup Hospital, SIES - Kamakshi Nilayam	TATA Dharamshala - SKP model options 4 & 5; Bhandup - Centerline Column layout; SIES, Kamakshi Nilayam - BOQ For Façade /Reading of floor plans
19-09-2022	77	SIES - Kamakshi Nilayam, VLT - TATA Cancer care center - Bhoiwada, TATA Dharamshala	SIES, Kamakshi Nilayam - Elevation / Material research; VLT - TATA Cancer care center, Bhoiwada - Cad planning; TATA Dharamshala - Finalization of 3 options and additon of an 4th option in skp
20-09-2022	78	TATA Dharamshala	TATA Dharamshala - Additon of 4th option in skp
21-09-2022	79	Topiwala Market	Door schedule for all the floor plans
22-09-2022	80	Topiwala Market	Window schedule for all the floor plans
23-09-2022	81	Topiwala Market, SIES - Kamakshi Nilayam	Window schedule for all the floor plans, Centerline nomenclature; SIES, Kamakshi Nilayam - SKP Model
26-09-2022	82	SIES - Kamakshi Nilayam	SKP Model
27-09-2022	83	Topiwala Market	Shaft schedule for all the floor plans
28-09-2022	84	Topiwala Market	Shaft schedule for all the floor plans
29-09-2022	85	Topiwala Market	Shaft schedule for all the floor plans
30-09-2022	86	Topiwala Market, Bhandup Hospital	Shaft schedule for all the floor plans; Bhandup hospital - Room data
OCTOBER			
03-10-2022	87	Bhandup hospital	Room data
04-10-2022	88	Bhandup hospital	Room data, SKP model
05-10-2022	89		LEAVE
06-10-2022	90	Bhandup hospital	Room data, SKP model

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ABOUT THE FIRM

Shashi Prabhu & Associates is a design firm, headquartered in Mumbai, with Seven other office locations including UAE and Africa. Our company was founded in 1967 by Ar. Shashi Prabhu as a small proprietor firm and today, after 50 years, we have grown into a large multi-disciplinary partnership organization offering a host of services to our clients such as Master Planning, Architectural Design, Interior Design, MEP & Structural Design, Value Engineering, Estimating, Quantity Survey and related Project Management Services, all under one roof.

Our Vision

Our primary goal has always been to create high quality sustainable assets which meet the strategic business and financial objectives of our clients.

Our Values

At Shashi Prabhu & Associates, all our endeavours are driven by our core values that reflect in our designs and work as well. Through excellence, integrity, continuous improvement and commitment to technology, we strive to deliver client-driven and people-centric solutions, which will stand the test of time.



SHASHI PRABHU



AMOL PRABHU



ATUL PRABHU

01 RESIDENTIAL DEVELOPMENT IN TARDEO

LOCATION : TARDEO, MUMBAI.

PROJECT TYPE : RESIDENTIAL

PROJECT STATUS : PROPOSED

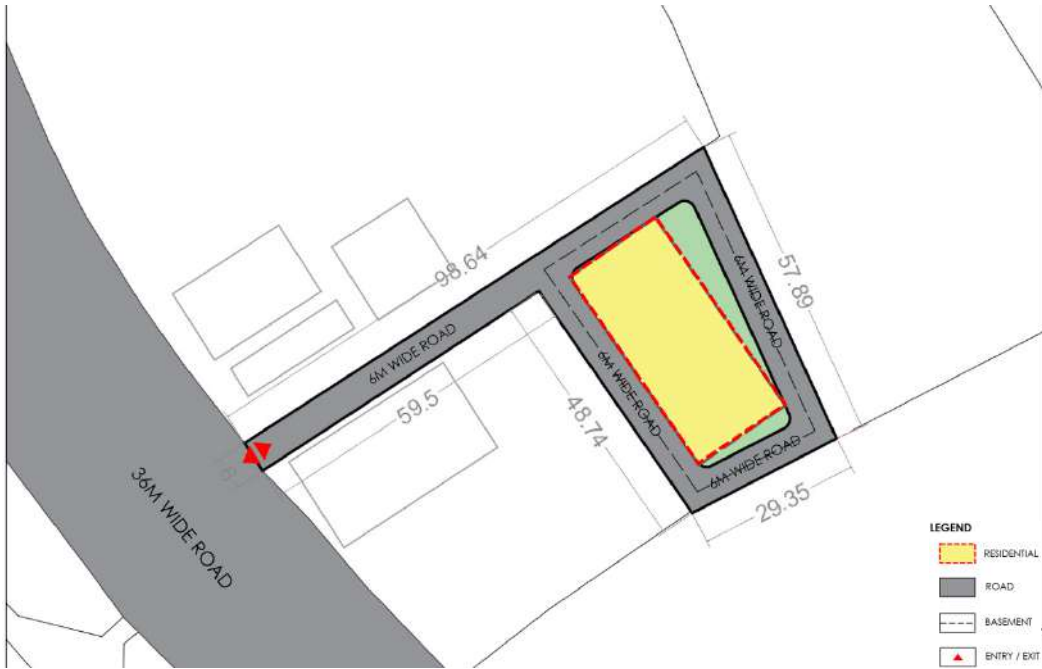
The residential development is located at tardeo, the southern side of the mumbai city. The location is such that the site gets a beautiful view of the glof course on the north-east direction. Which is to be designed for ews and mig/hig people as a single standalone structure yet to be isolated from each other who share a common point of entry. With a plot area of 2267.55 Sqm.

Understanding the regulations of udcpr 2034 regarding Rehabilitation and resettlement housing, Conceptual research on spaces, sketching out concepts, drafting of unit plans, floor plans and conceptual section. generation of conceptual model. Calculation of area statement and parking calculation.

LOCATION



SITE LAYOUT



SITE ANALYSIS



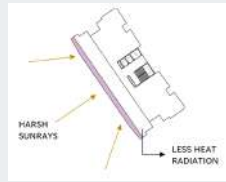
FSI FEASIBILITY

Sr. No.	Title	Description (Based of RR rate of the year April 2022)
1	Plot Area (as per DP)	2267.55
2	Reservation	RR2.1
3	Development Model	RR2.1 Residential
4	Use	RR Residential
5	Land reservation	907.02 1360.53
6	Permissible FSI division (Zonal Basic 1)	0.67 1.33
7	Built up Area with Basic FSI	1507.92 3015.84
8	Additional FSI	0.84
9	TDR	0.83
10	Total	0.67 3.00
11	Fungible FSI (35%)	1.28
12	Total Permissible FSI	0.67 4.28
13	Total BUA	1507.92 9711.35
14	Total Development on site (FSI)	1507.92 9711.35
15	Area for staircase, passage(35%)	527.77 3398.97
16	Total Construction Area	2035.69 13110.32
17		RR2.1 Residential
18	Cost of Construction with Finishes (4200/sq.ft.)	9,20,31,238 59,27,01,933
19	Cost of Administration and marketing (350/sqft)	76,69,270 4,93,91,828
20	Total cost of construction	9,97,00,508 64,20,93,761
0.21	Cost of Premiums as per RR rate April 2022 is 178320/sq.m.	
22		RR2.1 Residential
23	0.84 Additional FSI	- 16,98,26,797
24	0.83 TDR	- 10,12,92,819
25	Fungible FSI (35%)	- 18,15,37,770
26	Total cost of premium	- 45,26,57,385
27	Total cost of Construction + Premiums	9,97,00,508 1,09,47,51,146

DP RESERVATION



DESIGN INTENT



Façade is wrapped by a protective layer of verandas around the main living areas, thus providing the occupants with two lines of defense against the exterior elements.

Also with a view for MIG people towards the sea



Visually representing the division in the structure with the placement of balconies on either sides



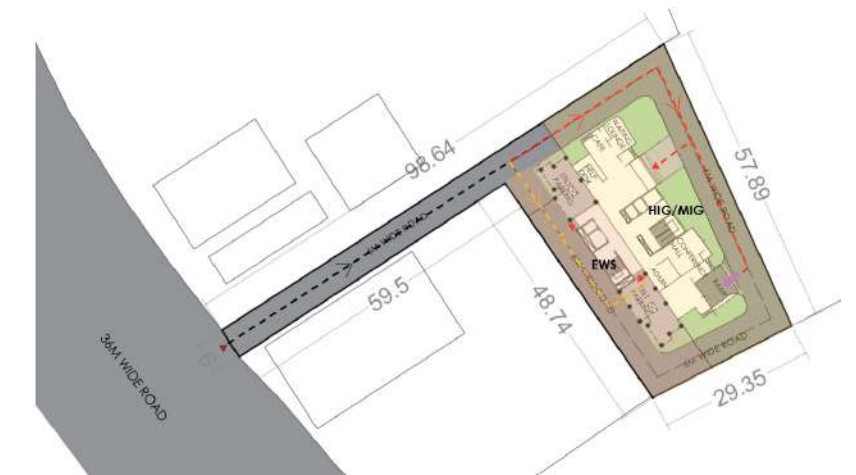
Balconies facing the Golf course capturing the best possible views



Triangular based balconies placed opposing each other between two floors.

Providing privacy between balconies and as an shading element from the west sun

CIRCULATION



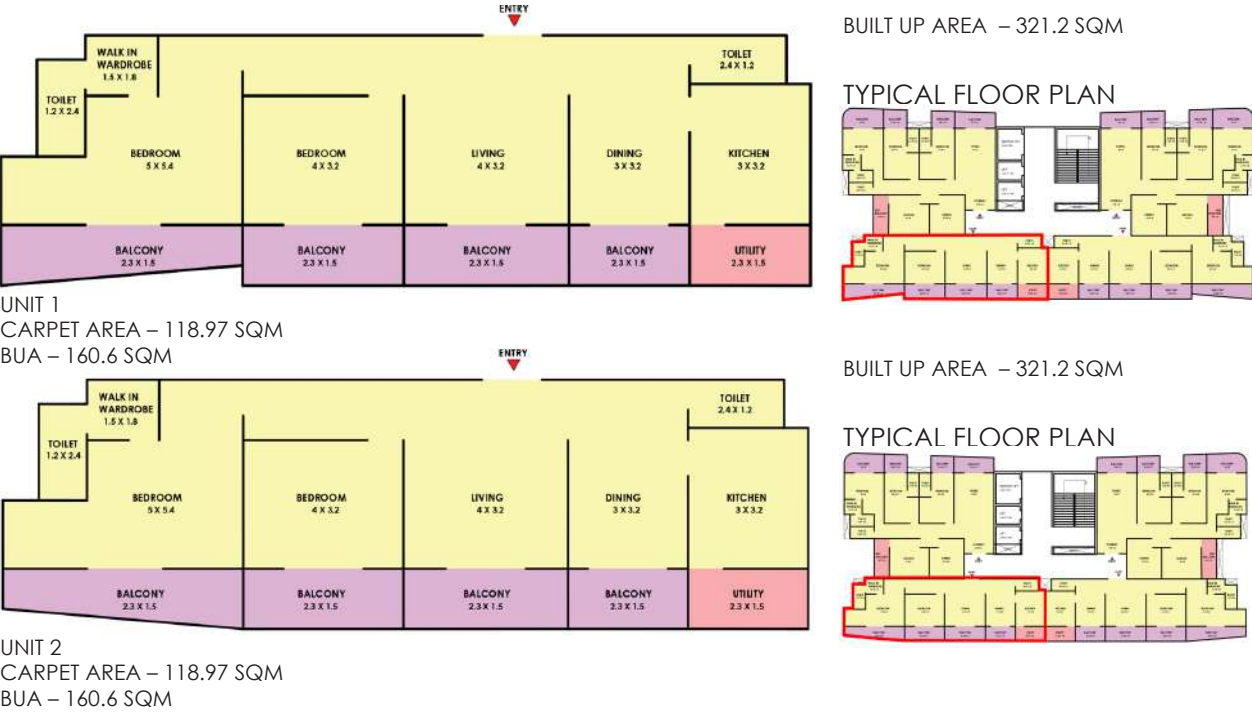
MASTER PLAN



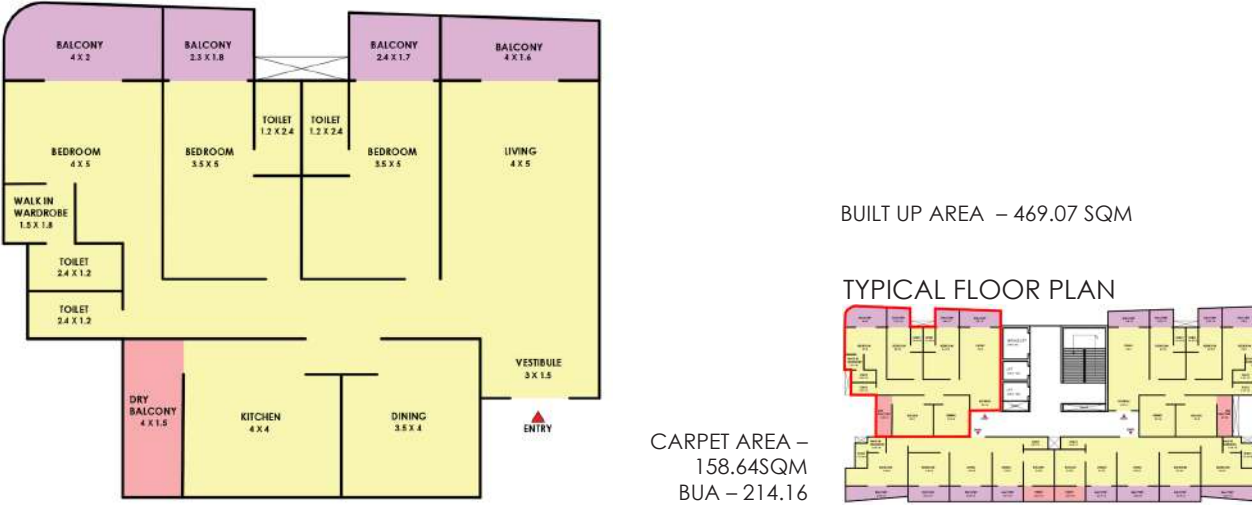
EWS - UNIT PLANS



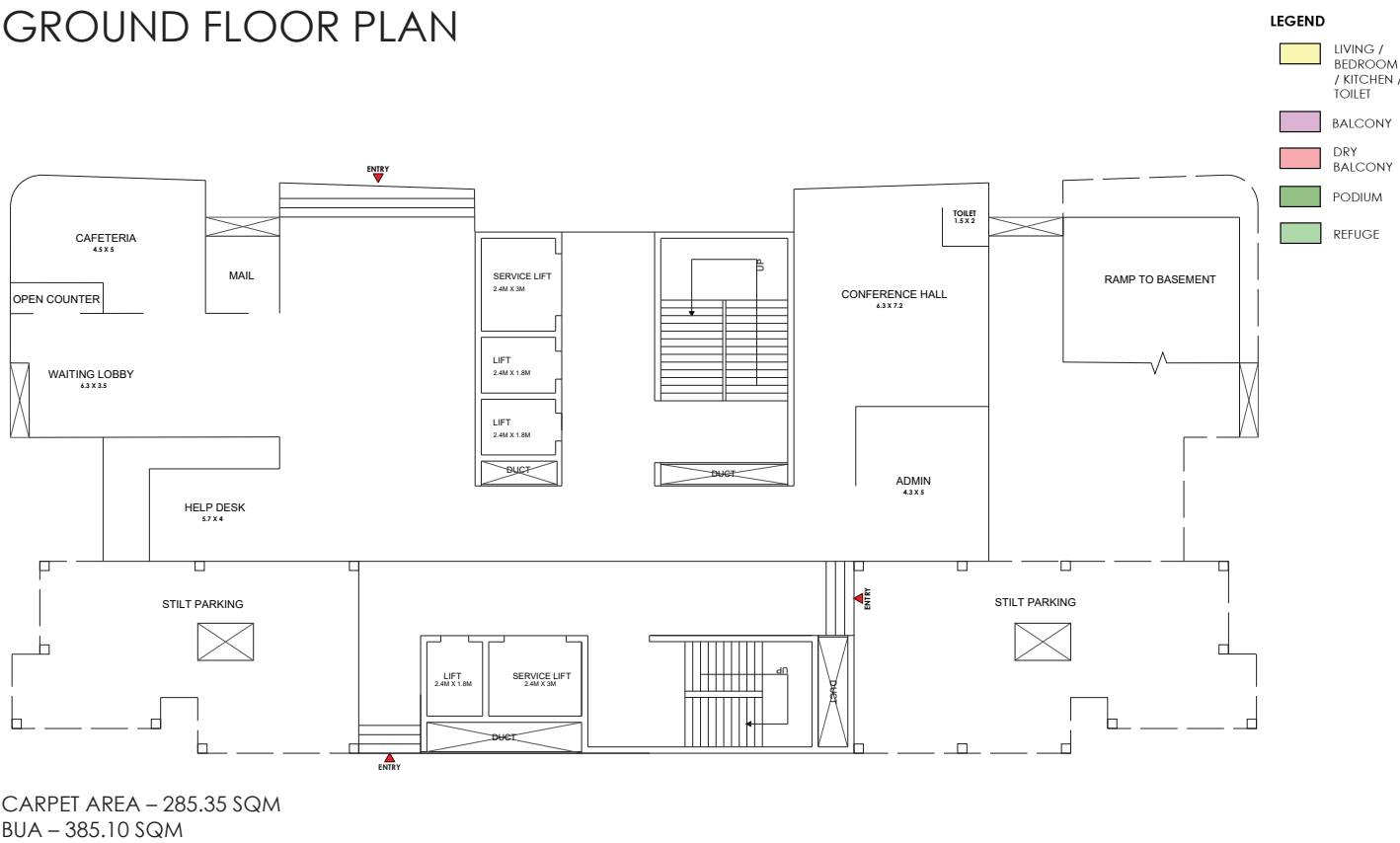
MIG - UNIT PLANS



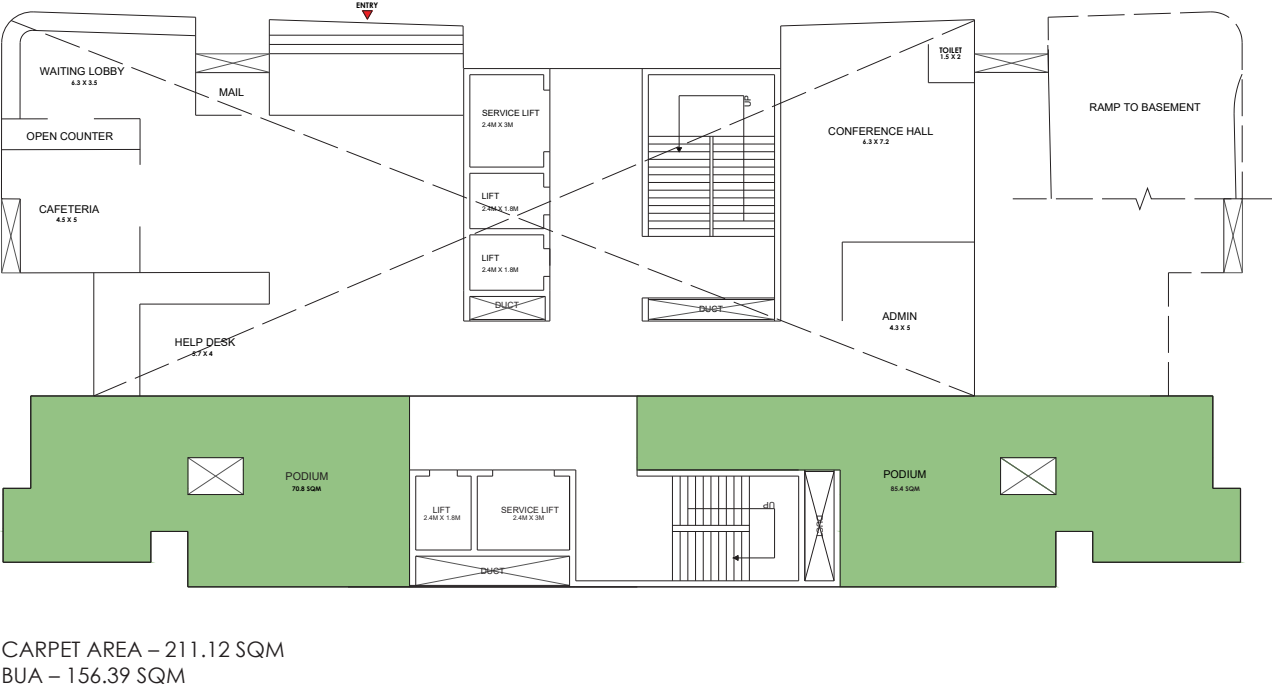
HIG - UNIT PLAN



GROUND FLOOR PLAN



PODIUM FLOOR PLAN - EWS



1ST FLOOR PLAN - 3BHK PODIUM



CARPET AREA – 517.23 SQM
BUA – 666.07 SQM

2ND TO 5TH FLOOR PLAN - 3BHK & EWS



CARPET AREA – 517.23 SQM
BUA – 666.07 SQM

6TH FLOOR PLAN - REFUGE



CARPET AREA – 414.79 SQM
BUA – 561.32 SQM

7TH FLOOR PLAN – EWS TERRACE & RECREATIONAL FLOOR



CARPET AREA – 517.23 SQM
BUA – 666.07 SQM

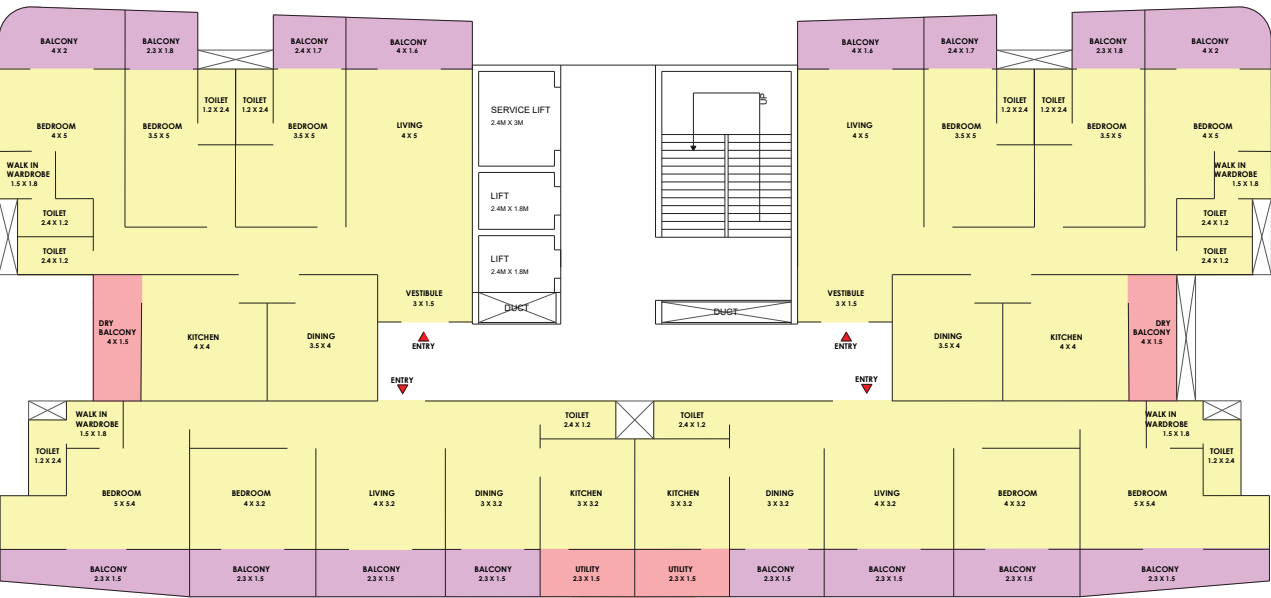


9TH, 11TH, 13TH FLOOR PLAN - 3BHK & 2BHK



CARPET AREA – 636.72 SQM
BUA – 790.27 SQM

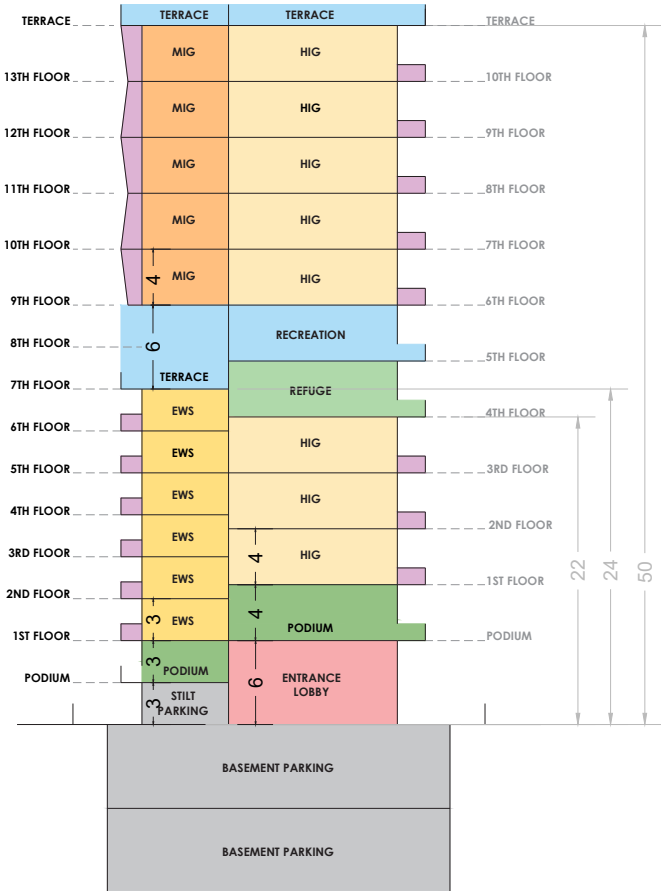
10TH, 12TH FLOOR PLAN - 3BHK & 2BHK



CARPET AREA – 636.72 SQM
BUA – 790.27 SQM

- LEGEND
- LIVING / BEDROOM / KITCHEN / TOILET
 - BALCONY
 - DRY BALCONY
 - PODIUM
 - REFUGE

CONCEPTUAL SECTION



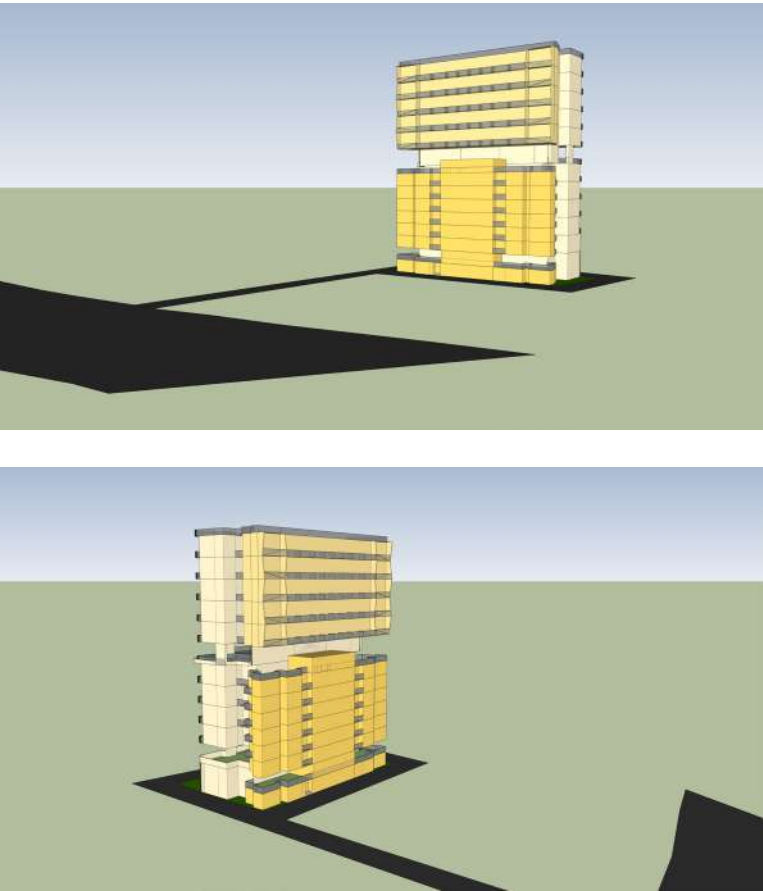
AREA STATEMENT

UNIT	CARPET AREA (1 UNIT)		BUA (1 UNIT)		TOTAL NO. OF UNITS (1 FLOOR)	PASSAGE AREA [BUA]	TOTAL NO. OF UNITS	TOTAL BUA (PER FLOOR)		TOTAL NO. OF FLOORS	TOTAL BUA ACHIEVED		PERMISSIBLE BUA		BALANCE		
	SQM	SQ.FT	SQM	SQ.FT		SQM		SQM	SQ.FT		SQM	SQ.FT	SQM	SQ.FT	SQM	SQ.FT	
EWS	26	279.86	35.1	377.81	2	51.2	24		197	2120.49	6	1182	12722.94	1507.92	16231.12	325.92	3508.17
	28	301.39	37.8	406.88	2												
									DEDUCTION OF REFUGE AREA		0						
									TOTAL BUA		1182						
MIG	118.97	1280.58	160.6	1728.68	2	40.75	10		321.2	3457.37	5	1606	17286.84	7675.66	82620.12	172.71	1859.03
HIG	158.64	1707.59	214.16	2305.20	2		17		469.07	5049.03	10	4690.7	50490.27				
							TOTAL (MIG + HIG)		790.27	8506.40		6296.7	67777.11				
									DEDUCTION OF REFUGE AREA		166.12	1788.10					
										TOTAL BUA [AFTER DEDUCTION]		6130.58	65989.01				
									ADDITION OF PODIUM & ADMIN								
PODIUM - EWS												197	2120.49				
PODIUM - MIG/ HIG												790.27	8506.40				
ADMIN												385.1	4145.18				
									TOTAL BUA [AFTER ADDITION]		7502.95	80761.08					

PARKING CALCULATIONS

	EWS	MIG	HIG
No. of Tenements	24	10	17
2 WHEELER			
Total No. of vehicles	12	5	9
Total No of vehicles [MIG+ HIG]		14	
4 WHEELER			
No. of vehicles	3	20	34
Visitors parking [25%]	1	7	12
Total No. of vehicles	4	27	46
Total No of vehicles [MIG+ HIG]		73	

CONCEPTUAL STACKING



02

TATA STAFF HOUSING

LOCATION : KHALAPUR, RAIGAD.

PROJECT TYPE : RESIDENTIAL

PROJECT STATUS : PROPOSED

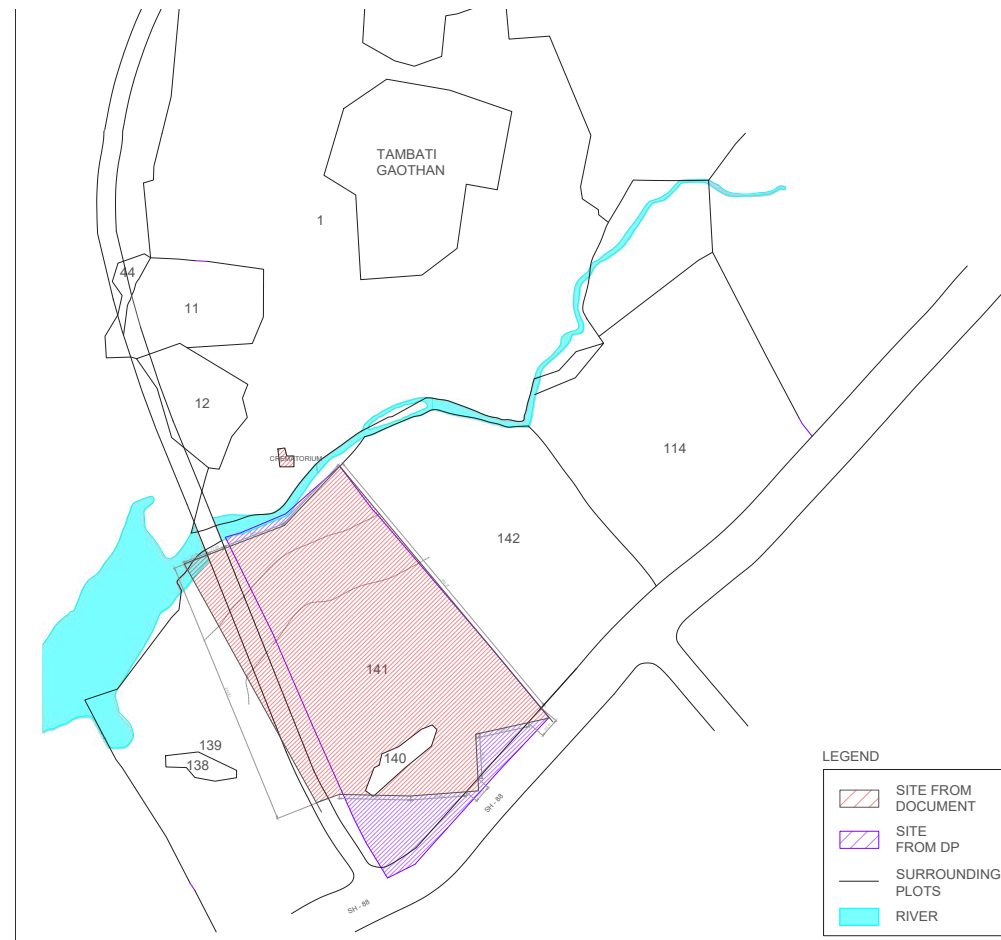
The TATA staff housing is started as a vision to accomodate the staffs from the adjacent, proposed tata hospital. To ensure the living comfortability and easy access for the doctors, along with a dharamshala situated in. With 54750.77 Sqm as the plot area.

rastering of site layout refering the dp/ land document/google earth. started up with zoning and drafted the plotting of row houses. calculation of area statement

SITE LOCATION



SITE BOUNDARY



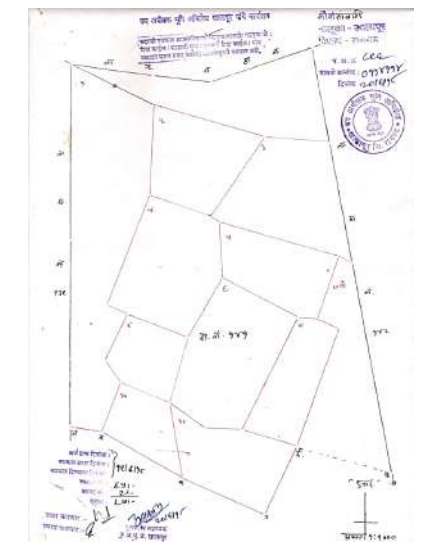
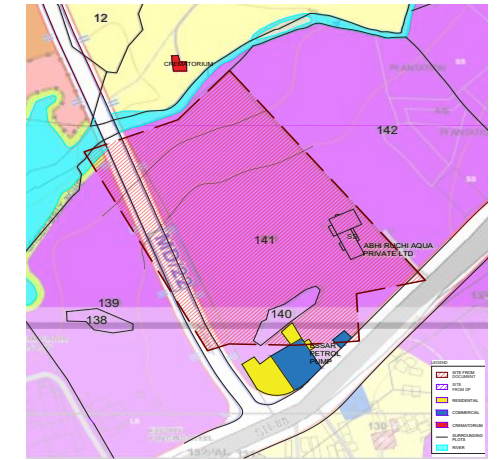
PLOT BOUNDARY



The plot is overlapped by an existing roadway on two sides of the plot which is wrapped by a proposed 18m dp road and state highway 88.

On the north-west the site is opposed by donvat reservior. And a crematorium

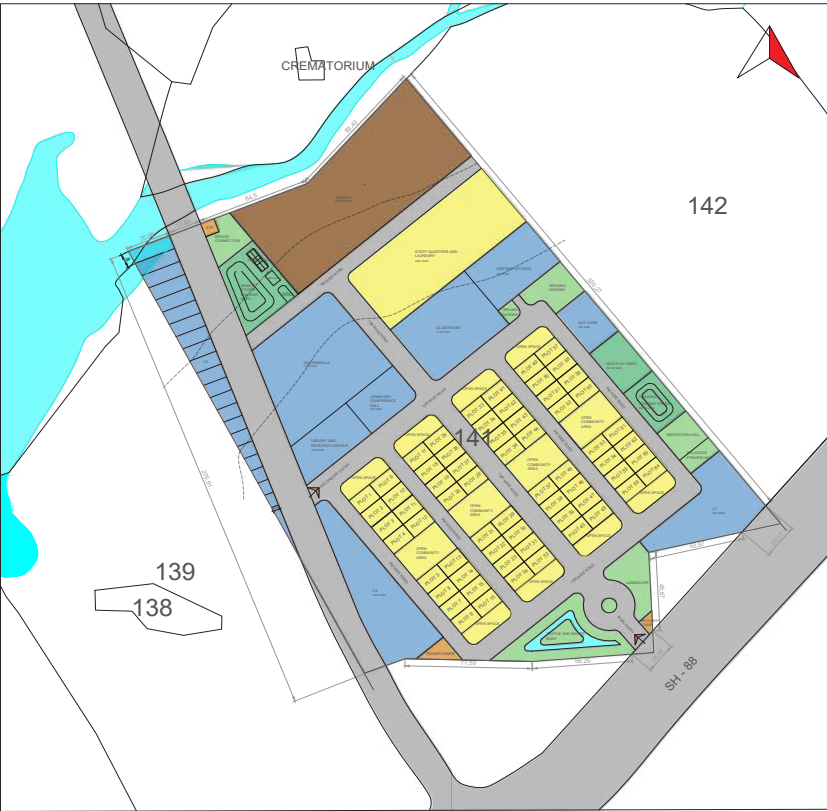
DP RESERVATION



AREA STATEMENT

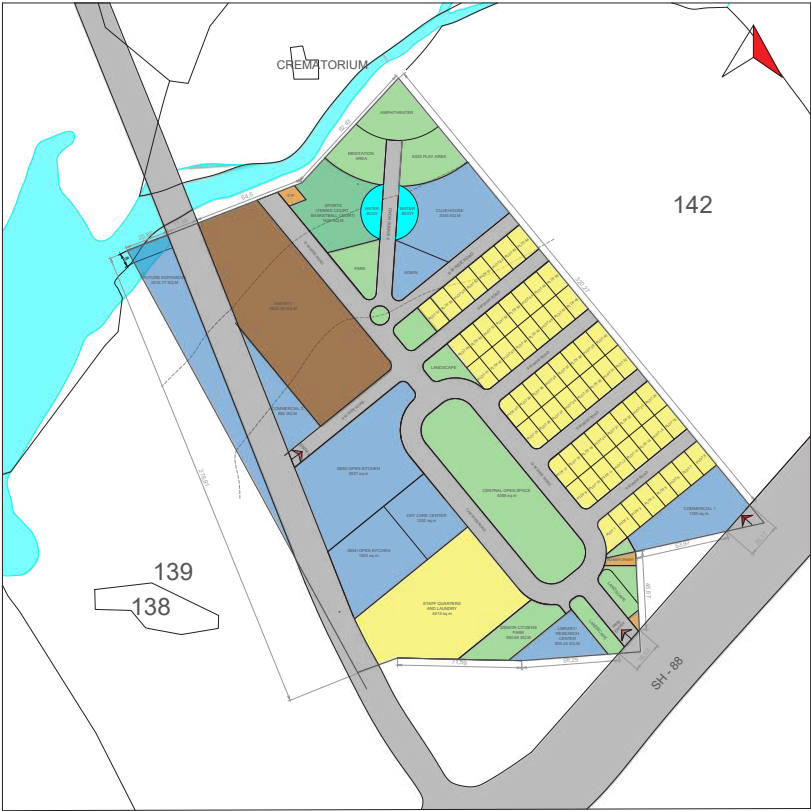
S.NO	CONTENT	
1	Total gross plot area	66521.55 sqm
2	Reservation	Commercial
3	Amenity plot percentage (10%)	6652.155 sqm
4	Area under road (State highway 45m and proposed DP 18m road)	5118.63 sqm
5	Net plot area	54750.77 sqm
6	FSI	
A	Permissible basic FSI	1.1
B	Permissible additional FSI	0.3
C	Permissible TDR	1.1
D	Total	2.5
E	Ancillary FSI percentage (60%)	1.5
F	Total permissible FSI	4
i	Total permissible BUA	266086.2
ii	Open space requirement (10%)	6652.15 sqm

OPTION A



LANDUSE AREA STATEMENT		
S.NO	CONTENT	A
1	Total gross plot area	66521.55 sqm
2	Reservation	Commercial
3	Amenity plot percentage - 10 %	6652.15 sqm
4	Area under road	5118.63 sqm
5	Net plot area	54750.77 sqm
6	Area under proposed roads	24.19 % 13245.43 sqm
7	Residential area	33.44 % 18309.28 sqm
8	Commercial area	30.01 % 16431.15sqm
9	Recreational ground	11.83 % 6479.5 sqm
10	Utility ground	0.53 % 292.75 sqm
11	Total	54750.77 sqm
TOTAL NO. OF PLOTS		64
TOTAL NO. OF GUNTAS		16

OPTION B



LANDUSE AREA STATEMENT		
S.NO	CONTENT	B
1	Total gross plot area	66521.55 sqm
2	Reservation	Commercial
3	Amenity plot percentage - 10 %	6652.15 sqm
4	Area under road	5118.63 sqm
5	Net plot area	54750.77 sqm
6	Area under proposed roads	21.25 % 11636.36 sqm
7	Residential area	28.71 % 15723.17 sqm
8	Commercial area	27.92 % 15290.81 sqm
9	Recreational ground	21.68 % 11871.64 sqm
10	Utility ground	0.46 % 254.05 sqm
11	Total	54750.77 sqm
TOTAL NO. OF PLOTS		64
TOTAL NO. OF GUNTAS		16

OPTION C



LANDUSE AREA STATEMENT		
S.NO	CONTENT	C
1	Total gross plot area	66521.55 sqm
2	Reservation	Commercial
3	Amenity plot percentage - 10 %	6652.15 sqm
4	Area under road	5118.63 sqm
5	Net plot area	54750.77 sqm
6	Area under proposed roads	29.5 % 16200.62 sqm
7	Residential area	40.47 % 22157.97 sqm
8	Commercial area	18.56 % 10162.50 sqm
9	Recreational ground	11.15 % 6107.92 sqm
10	Utility ground	0.27 % 149.28 sqm
11	Total	54750.77 sqm
TOTAL NO. OF PLOTS		112
TOTAL NO. OF GUNTAS		28

OPTION D



LANDUSE AREA STATEMENT		
S.NO	CONTENT	E
1	Total gross plot area	66521.55 sqm
2	Reservation	Commercial
3	Amenity plot percentage - 10 %	6652.15 sqm
4	Area under road	5118.63 sqm
5	Net plot area	54750.77 sqm
6	Area under proposed roads	27.9 % 15280.74 sqm
7	Residential area	39.85 % 21822.51 sqm
8	Commercial area	18.1 % 9911.02 sqm
9	Recreational ground	13.87 % 7595.47 sqm
10	Utility ground	0.26 % 143.81 sqm
11	Total	54750.77 sqm
TOTAL NO. OF PLOTS		112
TOTAL NO. OF GUNTAS		28

03

VIKHROLI CORPORATE PARK

LOCATION : VIKHROLI, MUMBAI.

PROJECT TYPE : RESIDENTIAL

PROJECT STATUS : PROPOSED

The vision is to develop a landmark facility of residential building complex by utilizing maximum potential of the land under hcc ownership at vikhroli. Which is achieved by introducing a residential facility with/without support facilities, enhancing the user experience by providing multiple facilities will ensure user experience, capturing the market value potential as a landmark location with facilities and utilizing potential of the land to the fullest will increase the market value of the property.

The plot of 21208.65 Sqm is zoned into four various options with varied use of mixed - use development, entire residential development, residential development retaining hincon house, mixed use development with imbalance fsi sub-division.

Rendering of master plans, plotting the circulation in the master plans, generation of models

SITE LOCATION & CONNECTIVITY



CONVEYED LAND AREA



EXISTING STRUCTURES



SITE LAYOUT



AVAILABLE PLOT AREA



ZONING FACTORS



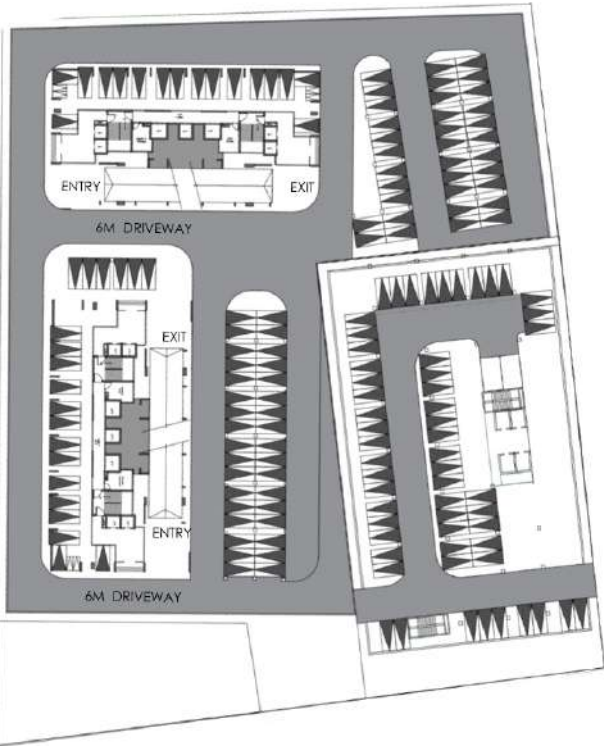
BASED ON THE FEASIBILITY STUDY

OPTION 1 - MIXED USE DEVELOPMENT
MASTER PLAN



Sr.No	Title	Area (Sq.M)
1	Plot Area	21,208.65
2	Reservation Area	1,684.80
3	DP road Area	2,684.26
4	Conversion Amenity	167.63
5	Residential Amenity	946.98
6	Residential BUA	44,200.20
7	Commercial BUA	14,864.36
8	Total BUA	59,064.57
9	Total Construction Area	1,35,624.21

BASEMENT PLAN



	4BHK	3.5 BHK	2.5 BHK	2 BHK	Total	Commercial
No's	116	116	58	100	390	
BU Area	44,200.20 sq.m.					14,864.36 sq.m.

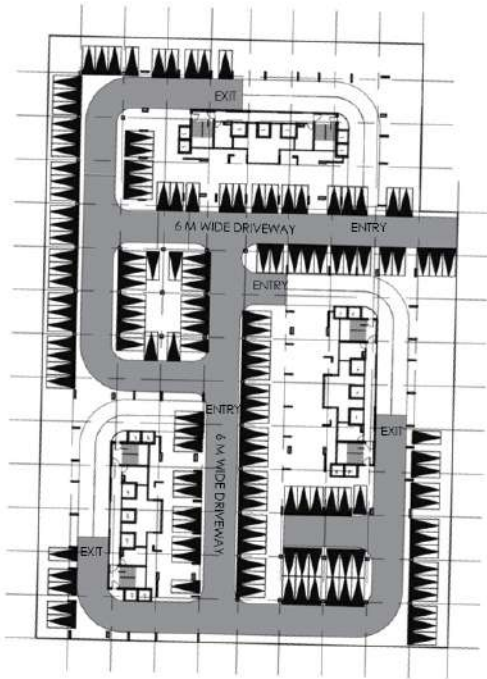
Parking	Commercial	Residential	Total
Proposed No.	215	632	847

OPTION 2 – ENTIRE RESIDENTIAL DEVELOPMENT
MASTER PLAN



Sr.No	Title	Area (Sq.M)
1	Plot Area	21,208.65
2	Reservation Area	1,684.80
3	DP road Area	2,684.26
4	Conversion Amenity	167.63
5	Residential Amenity	1,167.19
6	Total BUA	59,576.05
7	Total Construction Area	1,42,911.65

BASEMENT PLAN



	4BHK	2.5 BHK	2 BHK	Total
No's	222	111	192	525
BU Area	59,576.05 sq.m.			

Parking	Residential
Proposed No.	934

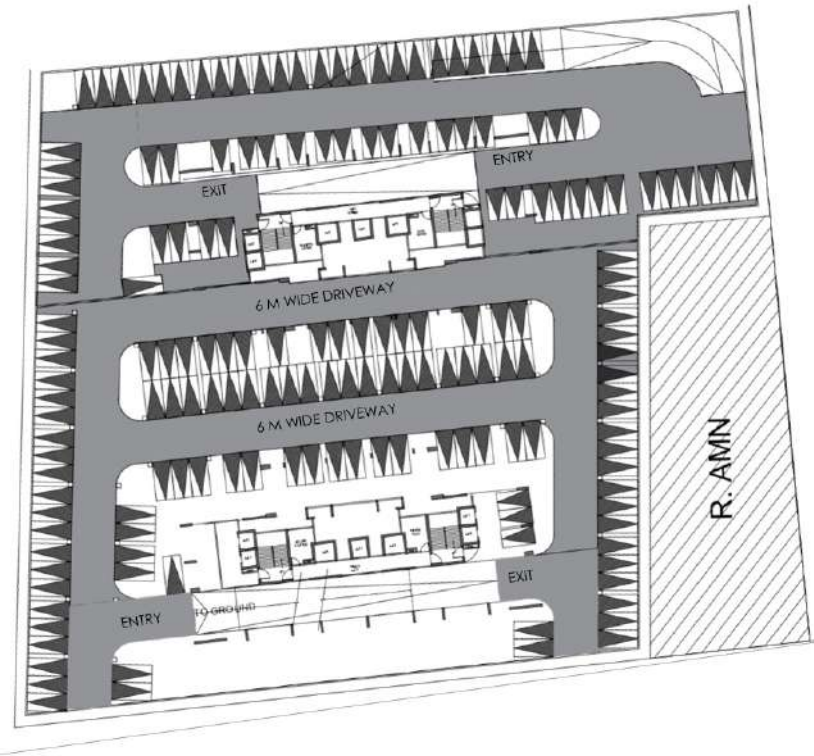


OPTION 3 – RESIDENTIAL DEVELOPMENT BY RETAINING HINCON HOUSE
MASTER PLAN



1	Plot Area	21,208.65
2	Reservation Area	1,684.80
3	DP road Area	2,684.26
4	Conversion Amenity	167.63
5	Residential Amenity	1,167.19
6	Residential BUA	41,821.92
7	Commercial BUA	6,000
8	Total BUA	47,821.92
9	Total Construction Area	1,12,055.44

BASEMENT PLAN

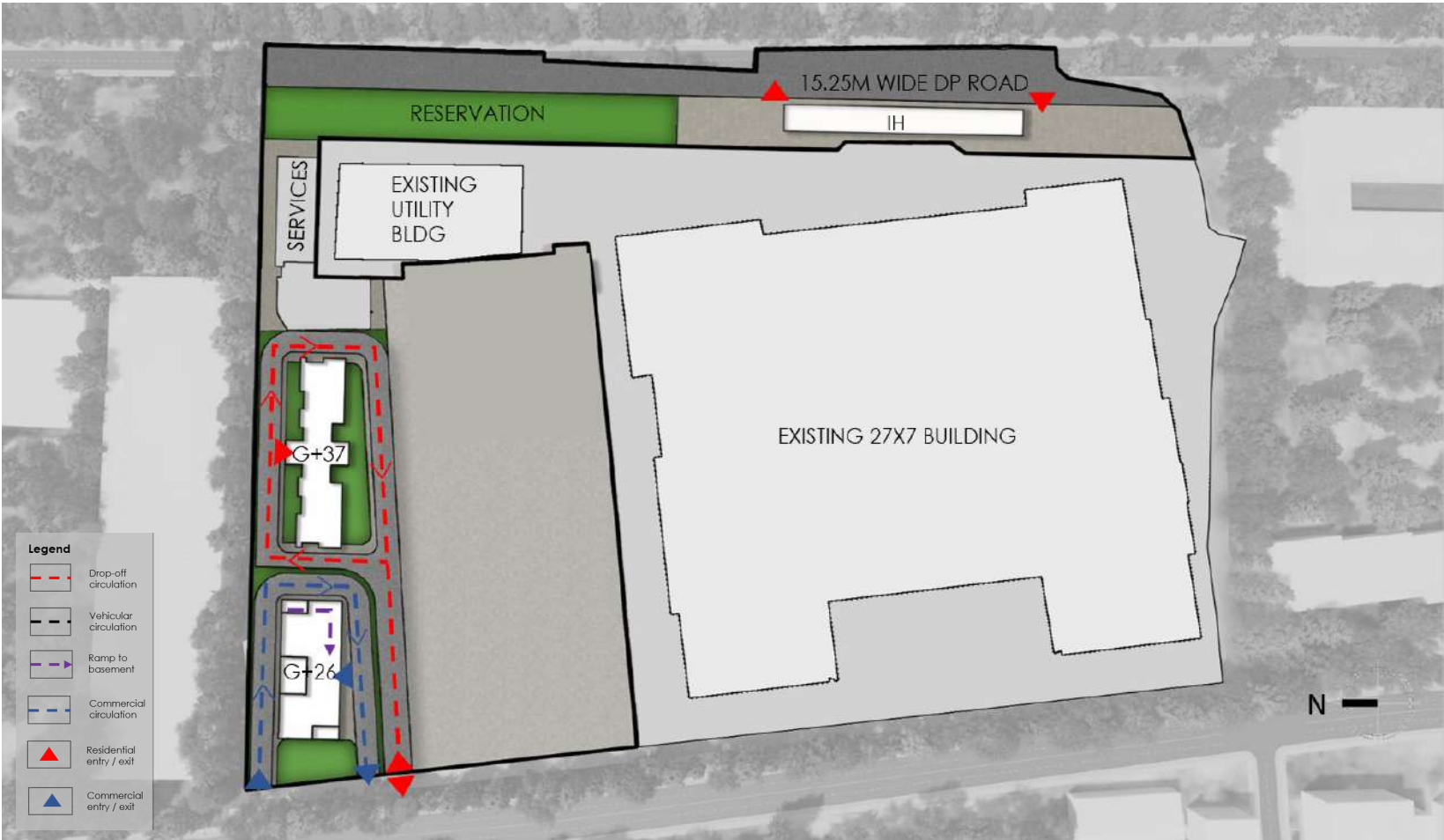


	4BHK	3.5 BHK	2.5 BHK	2 BHK	Total	Commercial
No's	112	112	56	96	376	
BU Area			41,821.92 sq.m.			6,000 sq.m.

Parking	Commercial	Residential	Total
Proposed No.	94	610	704

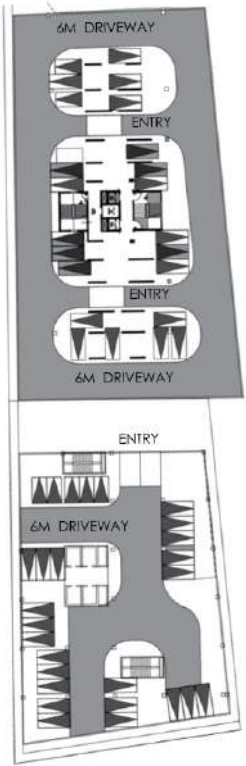


OPTION 4 – MIXED USE DEVELOPMENT WITH SUB-DIVISION AS PER IMBALANCE FAI
MASTER PLAN



Sr.No	Title	Area (Sq.M)
1	Plot Area	10,768.75
2	Reservation Area	1,684.80
3	DP road Area	2,684.26
4	Residential BUA	21,414.27
5	Commercial BUA	14,864.36
6	Total BUA	36,278.64
7	Total Construction Area	86,304.95

BASEMENT PLAN



	4BHK	2.5 BHK	2 BHK	Total	Commercial
No's	74	37	64	175	
BU Area	21,414.27 sq.m.				14,864.36 sq.m.

Parking	Commercial	Residential	Total
Proposed No.	215	312	527



04 UPSRTC BUS TERMINAL

LOCATION : AMAUSI, LUCKNOW.

PROJECT TYPE : COMMERCIAL

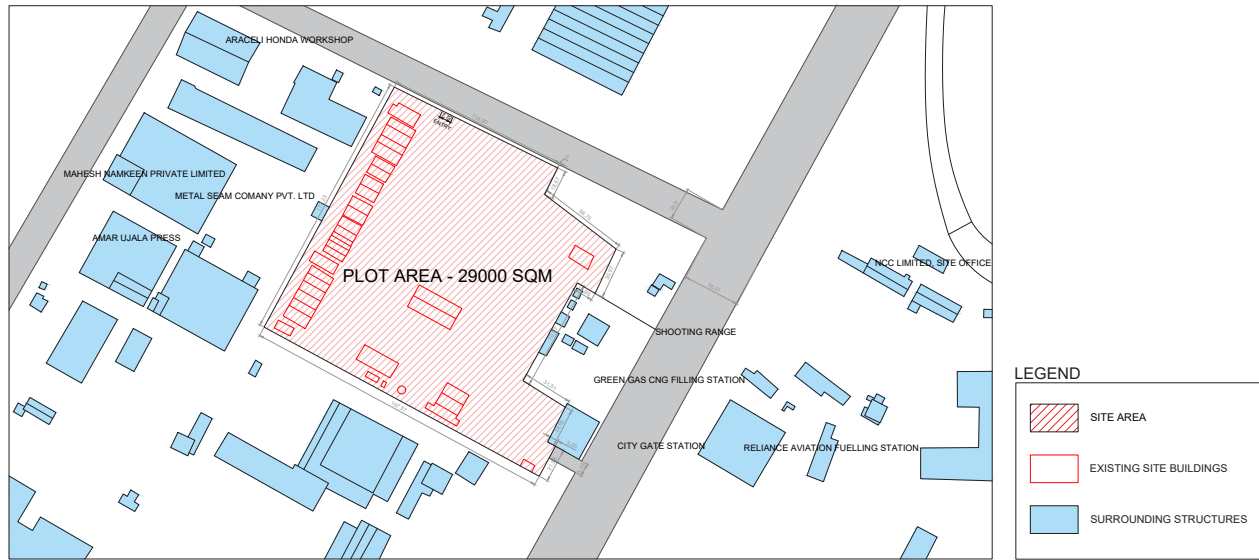
PROJECT STATUS : PROPOSED

The road transport in cities has witnessed a lot of growth in recent years. With a push in public private partnership, the plan is to modernise the bus stations for inter-city transports and transform them into futuristic hubs. The objective for development is to develop state-of-the-art facility for the citizen's of uttar pradesh. Other cities will get modern facility which will help the ulb's to promote the urbanization in the areas as the road transport is still the key for these cities, enhancing the experience of the users.

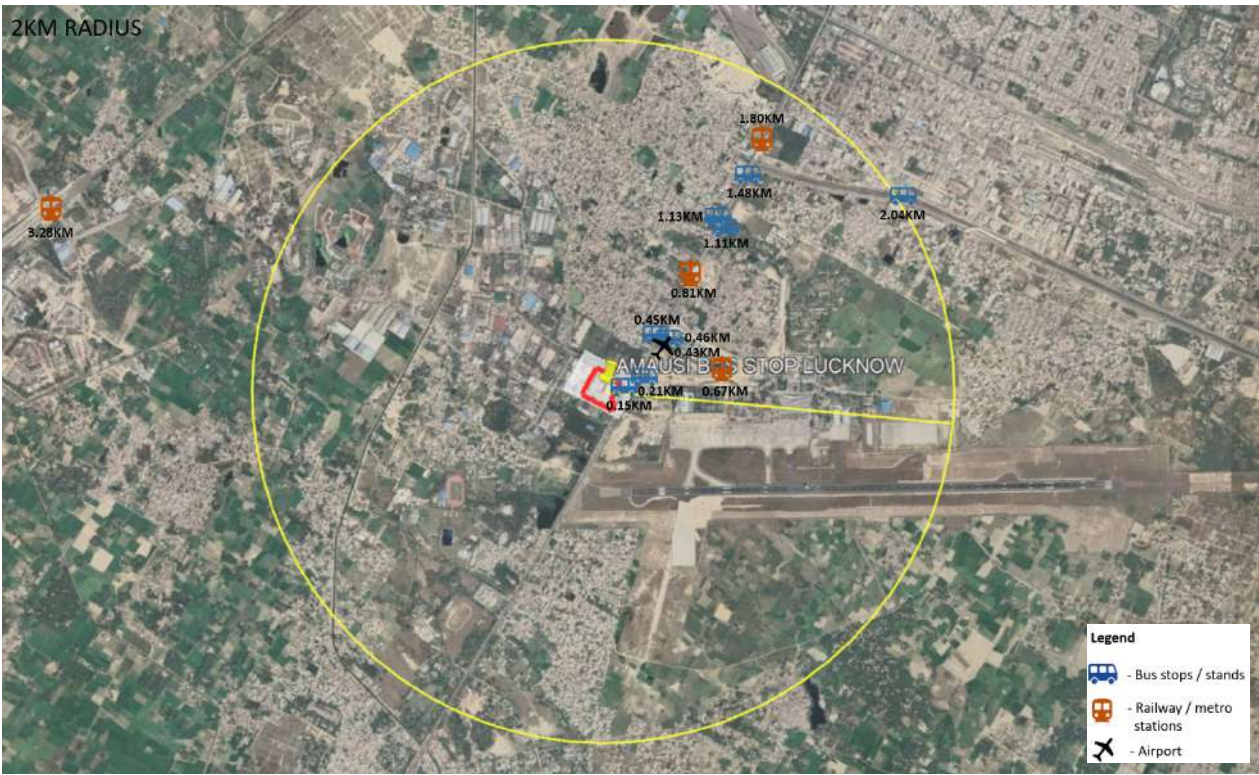
Site is connected to the city through nh-27 (lucknow-kanpur road) while the main entrance of the site is connected with the road connecting nadarganj industrial area with nh-27. Which is 29000 sqm of plot area which is to be designed for a commercial space & bus terminal.

Preparation of a bus terminal guidelines booklet, tabling the project requirements from rfa document, site analysis for all the listed sites, zoning of master plans, calculation of area statement

SITE PLAN



SITE CONNECTIVITY



AREA ASSESSMENT

S.NO	PARTICULARS	
1	Site Area (Sq.m)	29000
2	Ground cover (%)	30%
3	Ground cover (Sq.m)	8700
4	Floor area ratio (FAR)	2.5
5	Total admissible development (Sq.m)	72500
6	Permissible BUA for Commercial Facilities @ 45% (Sq.m)	32625
7	Permissible BUA for Bus station @ 45% (Sq.m)	39875
8	Actual BUA to be developed for bus terminal area (S.qm)	6617

VISION

- 01 Modernization of Bus Terminals**
Icons: Smartphone, Wi-Fi, GPS, Bus, Shopping cart, Air conditioning, Security camera.
- 02 Better Connectivity**
Icons: Network, Train, Airplane, Car, Bus, Truck, Road.
- 03 Profit for the State**
Icons: Rupee symbol, People, Globe, Bar chart, Person with document, Hand holding leaf.

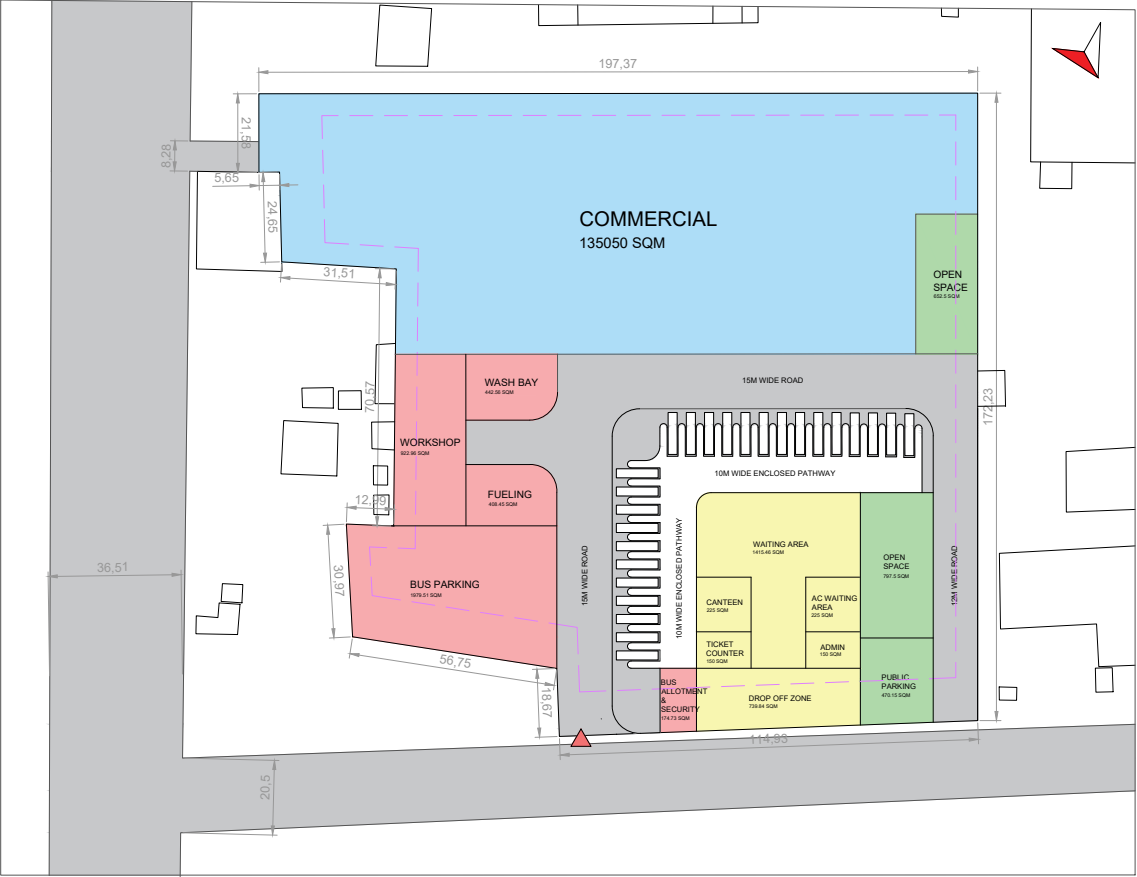
UPSRTC USES

- Administrative Spaces (Icon: Building)
- Bus Station (Icon: Bus stop)
- Bus Workshop (Icon: Bus with tools)
- Fuel Station (Icon: Fuel pump)
- Bus Depot (Icon: Bus with 'P' sign)
- Logistics (Icon: Truck)
- Commercial Spaces (Icon: Shopping cart)
- Staff Quarters (Icon: House)
- F & B's (Icon: Plate and fork)
- Lodging Spaces (Icon: Bed)
- Recreational Spaces (Icon: People playing sports)

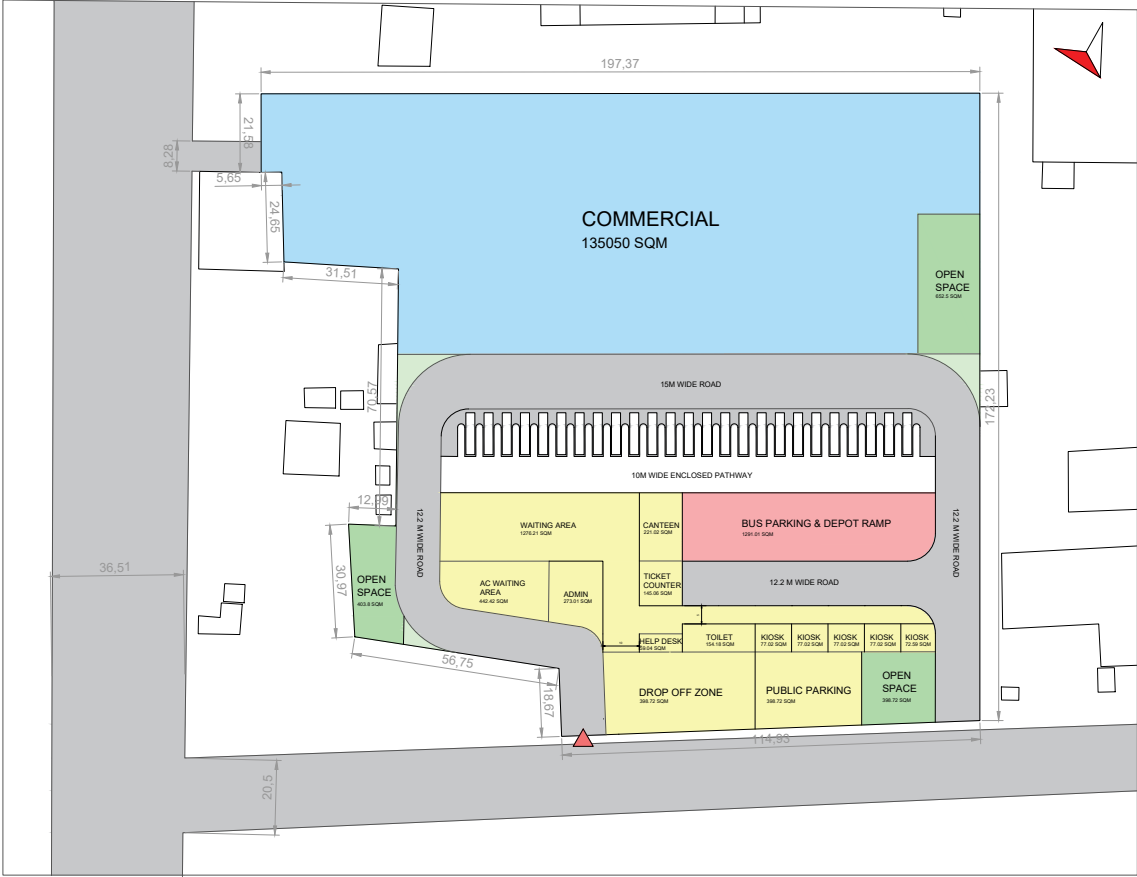
BASIC SITE ZONING



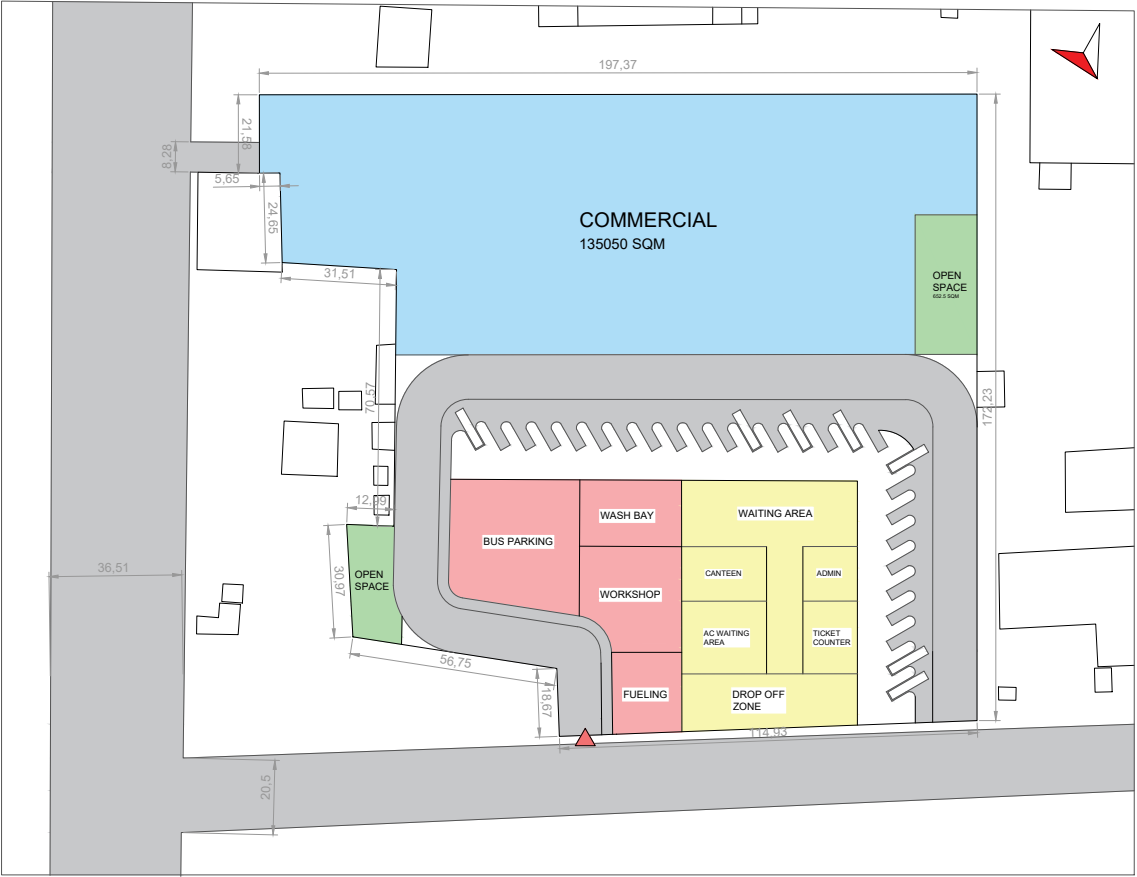
MASTER PLAN ZONING - OPTION A



MASTER PLAN ZONING - OPTION B



MASTER PLAN ZONING - OPTION C



PROJECT FACILITIES

Sr No	Particular	Amausi (Lucknow) Bus Terminal
1	Area of Project Land (Sq.mt)	29000
2	Admissible Ground Coverage (%)	30
3	Area of Ground Coverage (Sq.mt)	8700
4	Admissible FAR	2.5
5	Total Admissible Development (Sq.mt)	72500
	A) Development Area for Bus Terminal @ 55% (Sq.mt)	39875
	B) Development Area for Commercial Complex @ 45% (Sq.mt)	32625
6	Number of Peak Hour Departure (nos.)	
	A) Current Peak Hour Departures (nos.)	68
	B) Expected Peak Hour Departure up to 2078 (nos.)	206
7	A) Current Estimated Departures (nos.)	676
	B) Expected Departure up to 2078 (assuming 1.75% decadal growth rate of Uttar Pradesh) (nos.)	2064
8	Departure Platform (nos.)	25
9	Bus Parking (nos.)	100
10	Two-wheeler parking (nos.) ^	175
11	Four-wheeler parking (nos.) ^	30
12	Passenger Waiting shed (Sq.mt)	3,178
13	Waiting Hall A/C (Sq.mt)	953
14	Canteen food court (Sq.mt)	318
15	Cloak room (Sq.mt)	32
16	Enquiry counter (Sq.mt)	60
17	Booking counter & reservation (Sq.mt)	
18	Parcel room (Sq.mt)	36
19	Stall (area in sqmt.)	397

20	Urinals (Nos. and area in Sqmt.)	41/80
21	W/C Toilet (Nos. and area in Sqmt.)	22/80
22	Emergency medical facilities & pharmacy (Sq.mt)	40
23	Crew restroom (110 persons) (Sq.mt)	238
24	Post office and business centre (Sq.mt)	24
25	Bank ATM (Sq.mt)	36
26	Police booth (including toilet) (Sq.mt)	17
27	Kiosks for passenger information (Sq.mt) *	5
28	Security control room (Sq.mt) (minimum)	12
29	Miscellaneous (Sq.mt)	714
30	Bus Terminal Office setup in (Sq.mt)	159
31	Administrative area (Sq.mt)	238
Total Bus Terminal Area (Sq.mt)		6,617
Sr. No	Particular	Amausi (Lucknow) Bus Terminal
1	Width of the entry point (mts)	15
2	Width of exit point (mts)	15
3	Height Restriction	Height Restriction shall be in accordance with the applicable FAR and the norms of local Development Authority.
4	Setbacks (mts.)	a) 12 b) 6 c) 6



05

SITARAM PALTURAM

LOCATION : PAREL, SEWERI

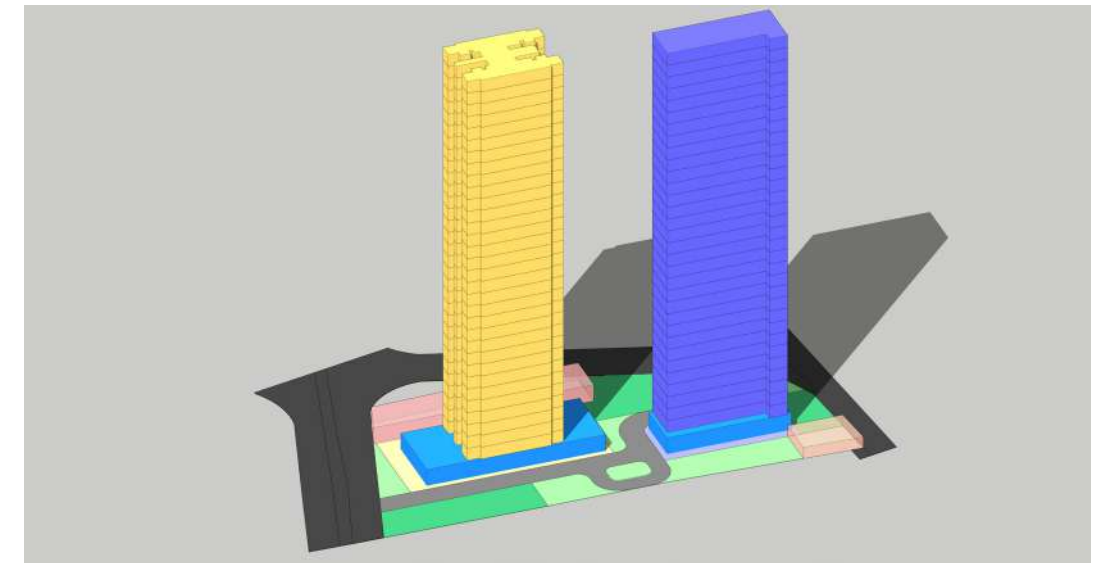
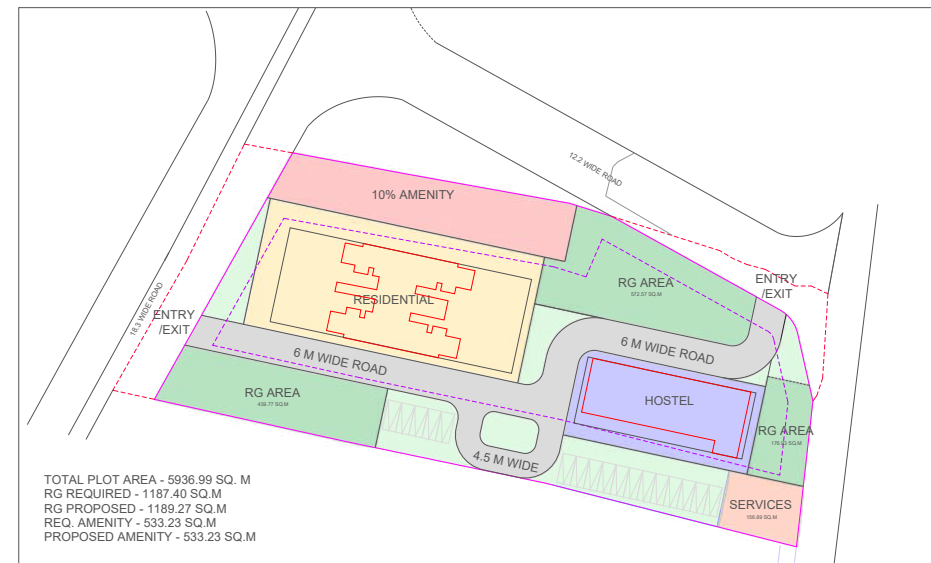
PROJECT TYPE : RESIDENTIAL

PROJECT STATUS : PROPOSED

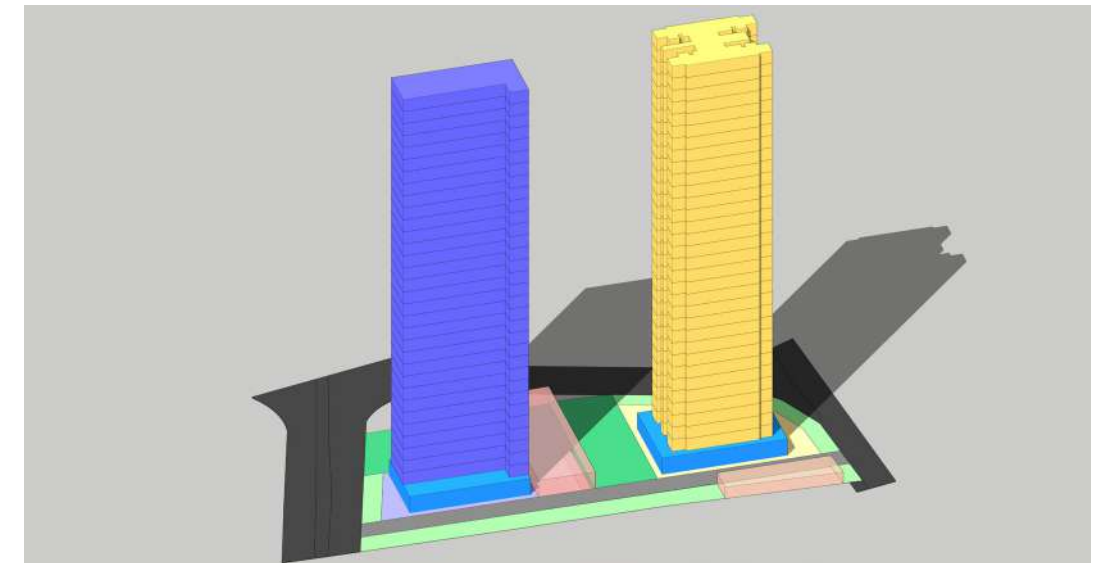
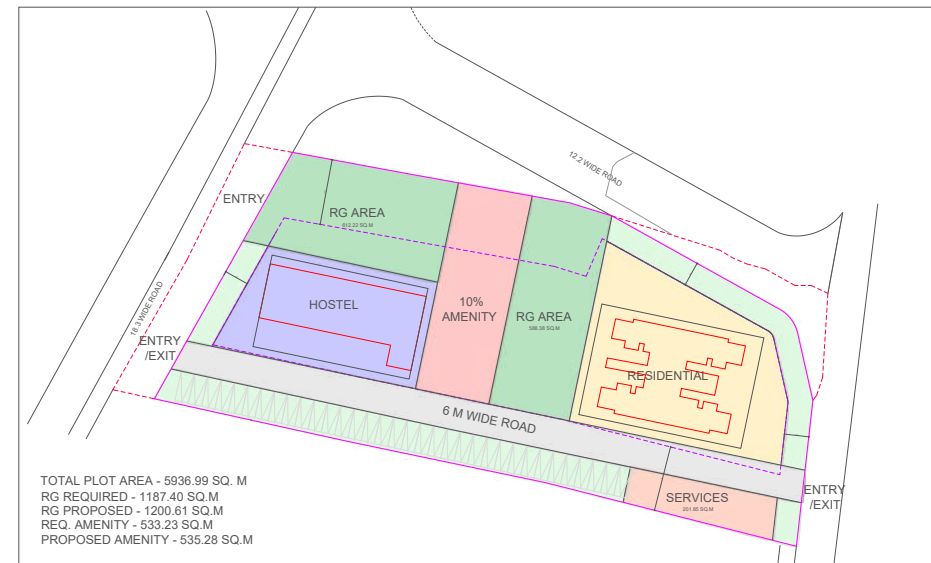
A working women's hostel and residential building is located at spm marg, the southern side of the mumbai. The location is such that the site is wrapped by the roadways on three sides. The structure has 2 towers of 32 storey each and can accommodate 7 individual rooms. With a plot area of 5936.99 Sqm

Zoning of recreational ground, amenity spaces in the master plan, generating a model of conceptual stacking.

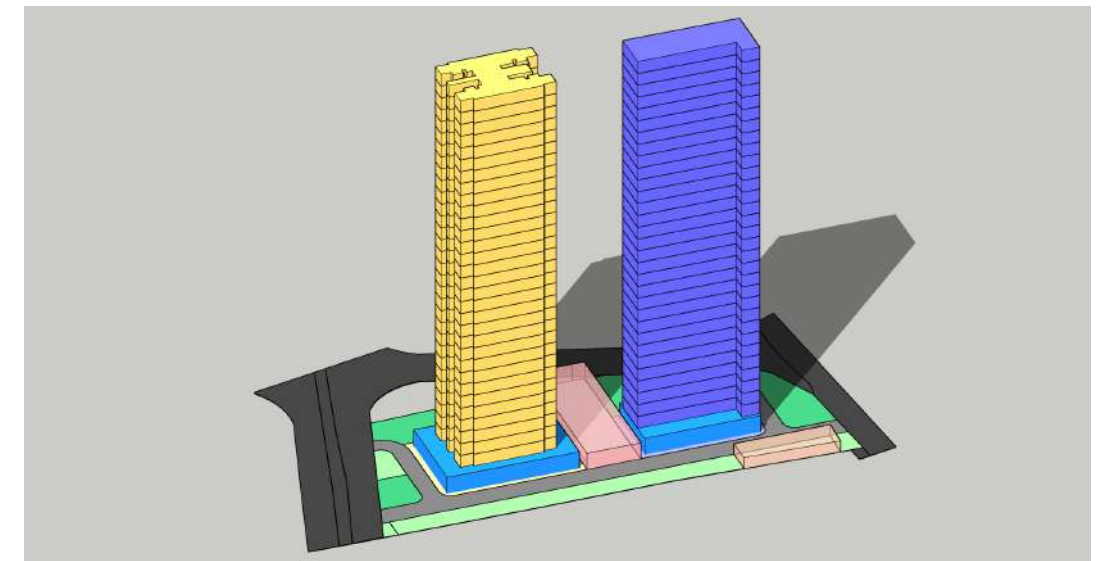
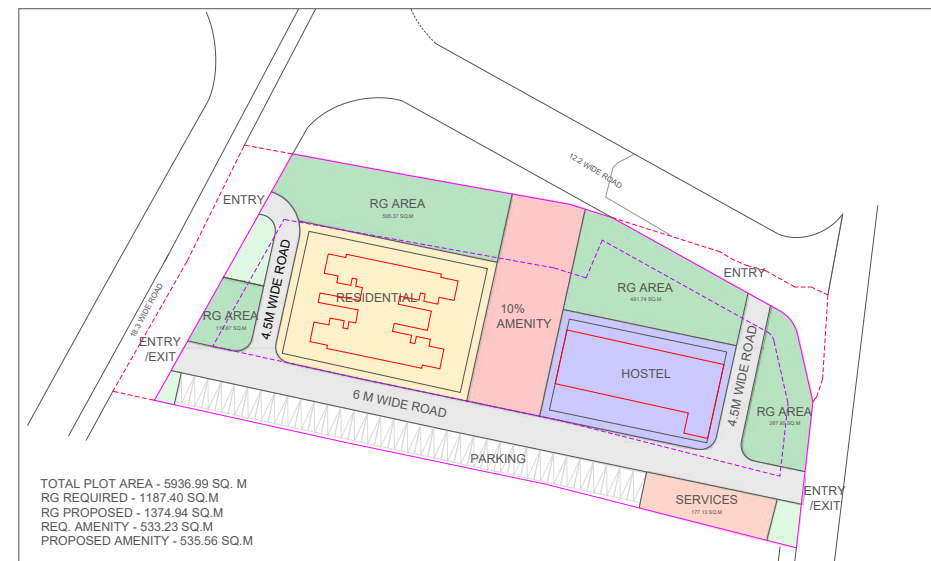
MASTER PLAN ZONING - OPTION A



MASTER PLAN ZONING - OPTION B



MASTER PLAN ZONING - OPTION C



ARCHITECT'S SIGNATURE

SHASHI
PRABHU
AND
ASSOCIATES

06

MSRDC POLICE HOUSING

LOCATION : PANVEL, RAIGAD.

PROJECT TYPE : PUBLIC ARCHITECTURE

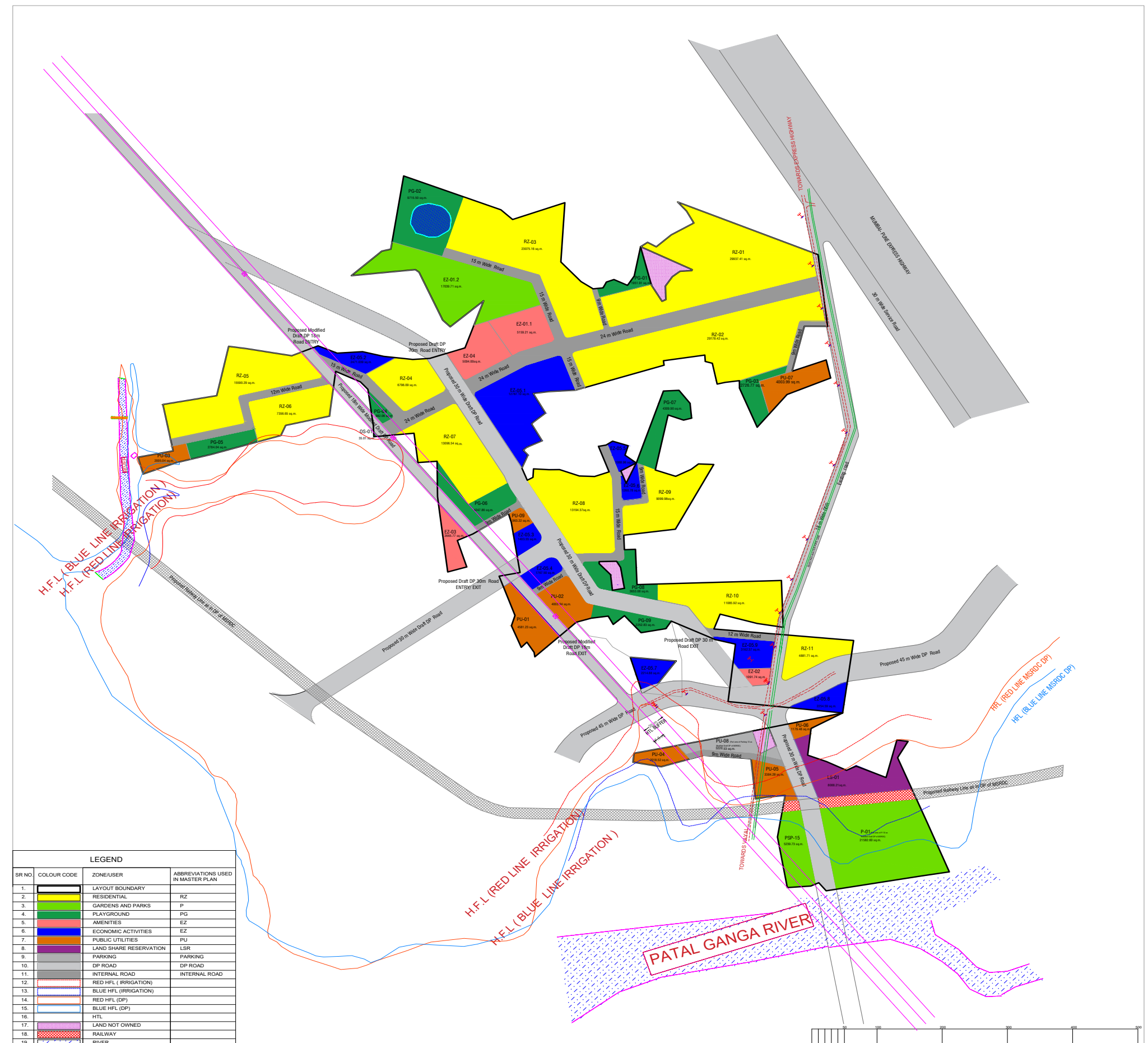
PROJECT STATUS : PROPOSED

While the Panvel Police continue to serve the people of panvel and ensure law and order in the city, the accommodation of the police force is in a bad shape. To change this situation, panvel Police has conceptualised an integrated township project of 10,000 dwelling units in Panvel, exclusively for the police force and their families.

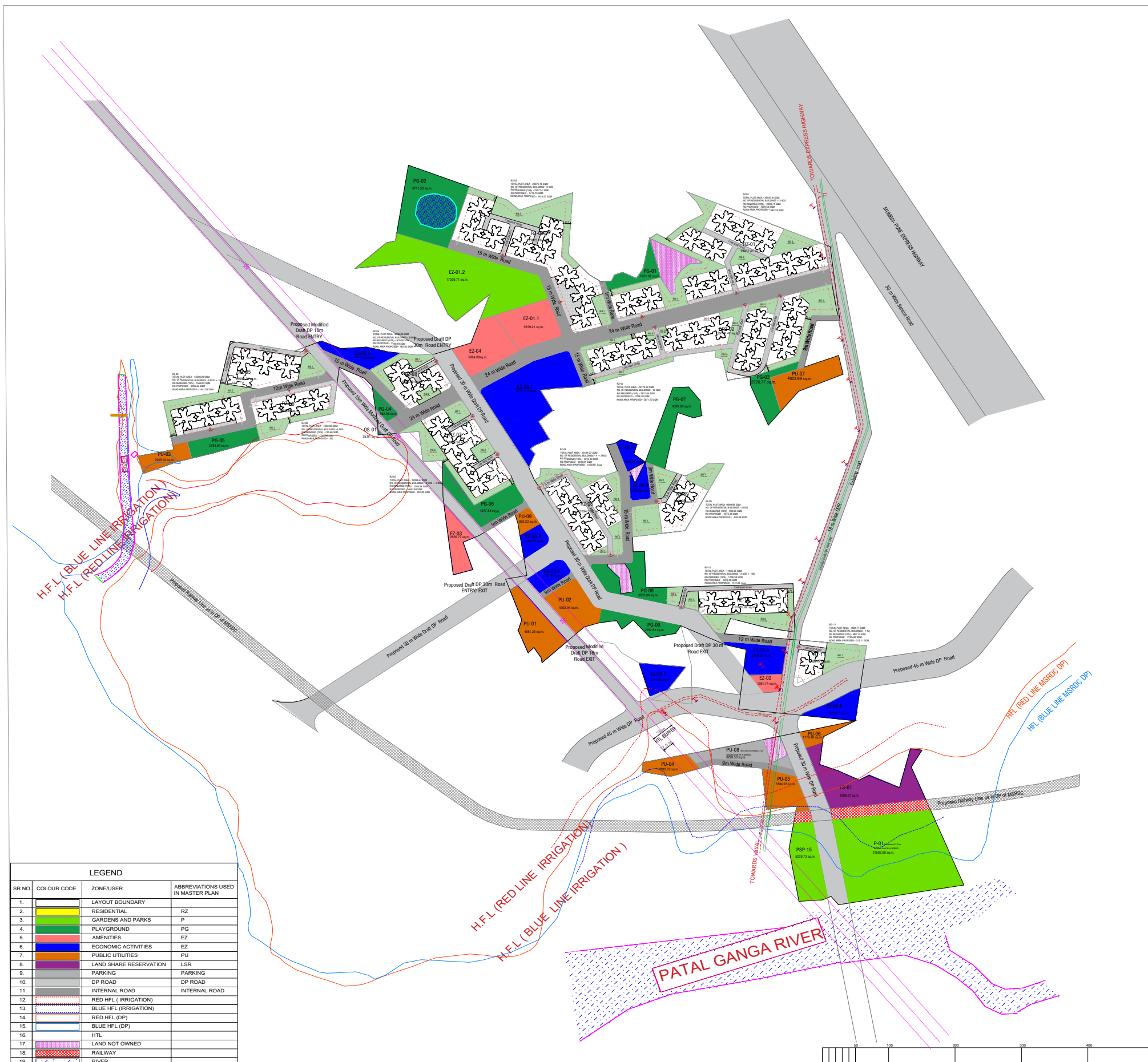
With the project supposed to be home to 50,000 residents, the planning for the project posed many challenges. This included planning of indoor spaces inside each dwelling unit to ensure maximum space, while ensuring that the community spaces foster bonding. At the same time, the housing society plans to offer spaces of utility like healthcare, for the entire police housing community.

Master planning of plots ranging from RZ-01 to RZ-11, with the aim of providing maximum number of residential buildings

LAND USE PLAN



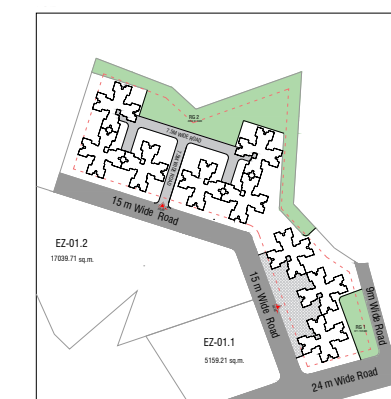
MASTER PLAN



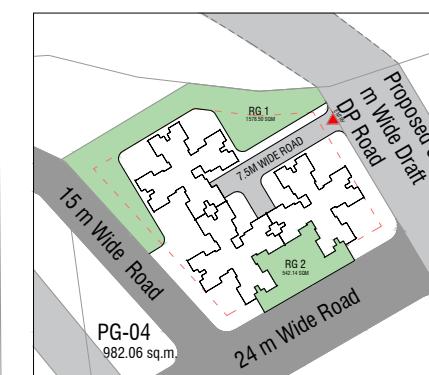
RZ - 01



RZ - 03



RZ - 04



LEGEND

	SET BACK
	RG
	ROAD
	PAVEMENT

RZ-01
 TOTAL PLOT AREA -
 29937.41SQM
 NO. OF RESIDENTIAL
 BUILDINGS -13 NOS
 RG REQUIRED (10%) -
 2993.74 SQM
 RG PROPOSED - 7699.53
 SQM
 ROAD AREA PROPOSED
 -1383.33 SQM

LEGEND

	SET BACK
	RG
	ROAD
	PAVEMENT

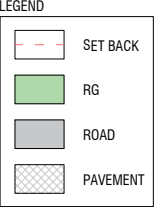
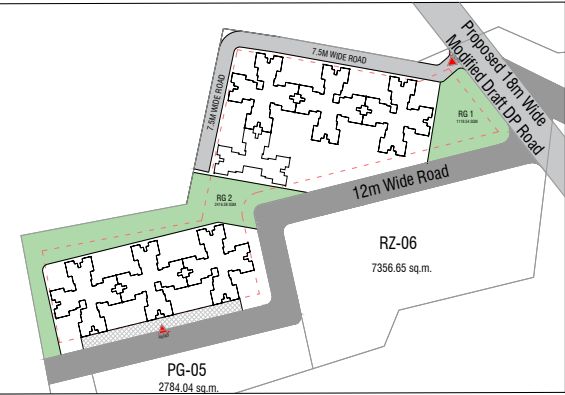
RZ-03
 TOTAL PLOT AREA -
 23075.16 SQM
 NO. OF RESIDENTIAL
 BUILDINGS - 9 NOS
 RG REQUIRED (10%) -
 2307.51 SQM
 RG PROPOSED - 5776.16
 SQM
 ROAD AREA PROPOSED -
 1414.07 SQM

LEGEND

	SET BACK
	RG
	ROAD
	PAVEMENT

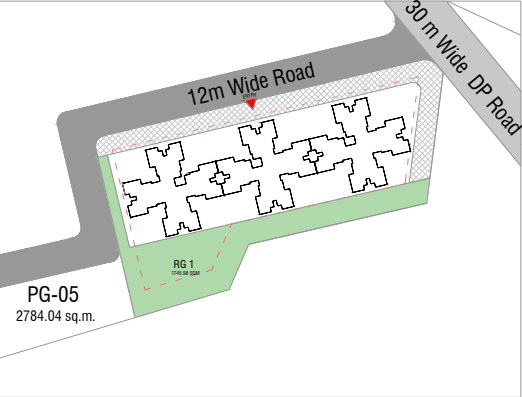
RZ-04
TOTAL PLOT AREA -
6796.09 SQM
NO. OF RESIDENTIAL
BUILDINGS - 3 NOS
RG REQUIRED (10%) -
679.60 SQM
RG PROPOSED - 2120.64
SQM
ROAD AREA PROPOSED -
482.62 SQM

RZ - 05



RZ-05
TOTAL PLOT AREA - 15590.29 SQM
NO. OF RESIDENTIAL BUILDINGS - 6 NOS + 1 NO
RG REQUIRED (10%) - 1559.02 SQM
RG PROPOSED - 3465.33 SQM
ROAD AREA PROPOSED - 1441.03 SQM

RZ - 06



RZ-06
TOTAL PLOT AREA - 7356.65 SQM
NO. OF RESIDENTIAL BUILDINGS - 3 NOS
RG REQUIRED (10%) - 735.66 SQM
RG PROPOSED - 1745.98 SQM
ROAD AREA PROPOSED - NIL

RZ - 07



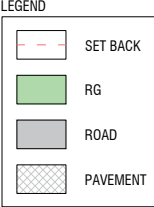
RZ-07
TOTAL PLOT AREA - 13096.54 SQM
NO. OF RESIDENTIAL BUILDINGS - 4 NOS + 2 NOS
RG REQUIRED (10%) - 1309.54 SQM
RG PROPOSED - 4647.63 SQM
ROAD AREA PROPOSED - 651.85 SQM

RZ - 08



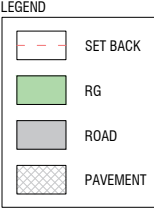
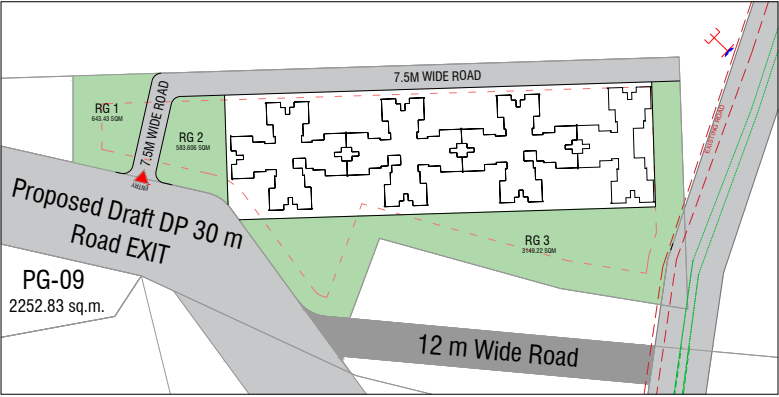
RZ-08
TOTAL PLOT AREA - 13194.37 SQM
NO. OF RESIDENTIAL BUILDINGS - 4 + 2 NOS
RG REQUIRED (10%) - 1319.43 SQM
RG PROPOSED - 3340.61 SQM
ROAD AREA PROPOSED - 1520.80 SQM

RZ - 09



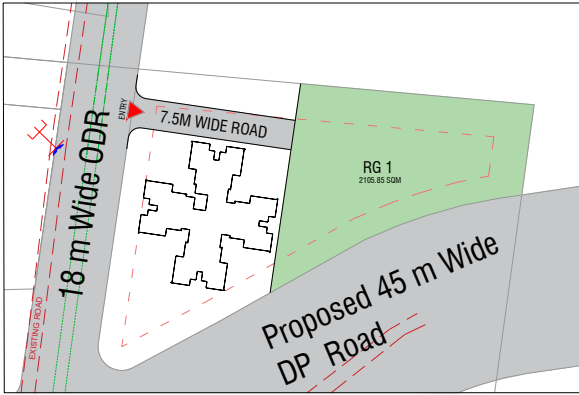
RZ-09
TOTAL PLOT AREA - 9099.98 SQM
NO. OF RESIDENTIAL BUILDINGS - 2 NOS
RG REQUIRED (10%) - 909.99 SQM
RG PROPOSED - 4575.38 SQM
ROAD AREA PROPOSED - 439.96 SQM

RZ - 10



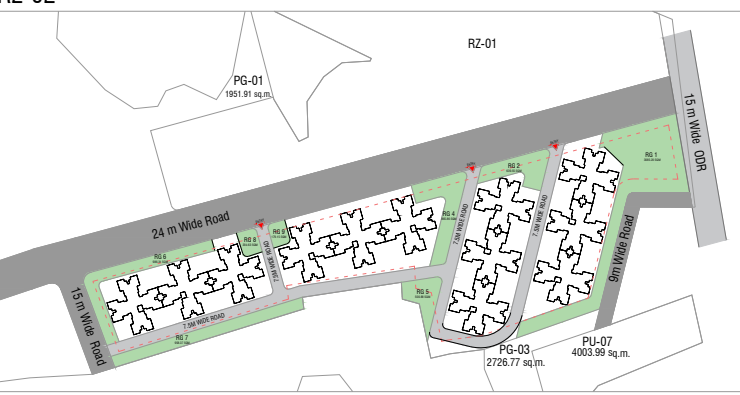
RZ-10
TOTAL PLOT AREA - 11085.92 SQM
NO. OF RESIDENTIAL BUILDINGS - 3 NOS + 1 NO
RG REQUIRED (10%) - 1108.59 SQM
RG PROPOSED - 4379.26 SQM
ROAD AREA PROPOSED - 1441.03 SQM

RZ - 11



RZ-11
TOTAL PLOT AREA - 4881.71 SQM
NO. OF RESIDENTIAL BUILDINGS - 1 NO
RG REQUIRED (10%) - 488.17 SQM
RG PROPOSED - 2105.85 SQM
ROAD AREA PROPOSED - 313.11 SQM

RZ - 02



RZ-02
TOTAL PLOT AREA - 29178.42 SQM
NO. OF RESIDENTIAL BUILDINGS - 12 NOS
RG REQUIRED (10%) - 2917.84 SQM
RG PROPOSED - 7026.30 SQM
ROAD AREA PROPOSED - 3871.72 SQM

PLOT AREA STATEMENT

Sr. no.	Description/ Title	Total area in sq.m.
1	Area of Plot as per Locational Clearance	428870
2	Area of Plot as per Letter of Intent	408550
3	Area of Plot as per TILR	402456.64
4	Least of above to be considered (Gross plot area)	402456.64
5	Deductions of Plot under DP road, Railway, ODR etc.	49448.9726
6	Net Plot Area after deduction (BUA as per Gross plot area)	353007.6674
7	FSI Permissible	
a.	Basic FSI	1
b.	Premium FSI	0
c.	Total Permissible FSI	1
d.	Total Permissible Built up Area	402456.64

ESTIMATED POPULATION CHART

a.	Residential for Total BUA	345001.923	Total no. of units in each building	Total no of building	Total no of units	Total population
	Unit type	People per unit				
	2 BHK	4.5	110	42	4597	20686
b.	Required School population as per URDPFI guidelines with proposed BUA:				20636.84	
	School typology	URDPFI (Jan 2015)	Minimum Required for the project			
		Student strength	Population served per unit	Student strength	Population served	Min. Required BUA (8 sq.mt per student)
	Primary school	500	5000	1034	10343	8274.53
	Secondary School	1000	7500	1379	10343	11032.7064
	Total			2413	20686	19307.24
c.	Required Health care facility population as per URDPFI guidelines with proposed BUA:				1637.61	
	Health care facility typology	URDPFI (Jan 2015)	Minimum Required for the project			
		Bed count	Population served	Bed count	Population served	Min. Required BUA (75 sq.mt. per bed)
	Nursing home, child welfare and maternity centre	30	45000	14	20686	1034

LAND USE AREA STATEMENT AS PER ITP

Sr. no.	Land use statement	Land Area required (in sq.m.)	Land Area proposed (in sq.m.)
A.	Gross plot area	402457	
B.	Deduction under DP road and Railway	49449	
C.	Net plot area	353008	
D.	Spaces for recreation	50307.08	54138.2
E.	Spaces for Combined school		
	School	5030.7	5159.21
	School Play ground	10500	17039.7
F.	Community Health Care Facility	1006.14	1091.74
G.	Community Market	2000	2665.77
H.	Public Assembly Facilities	5000	5094
I.	Other Economic Activities		28410.8
J.	Total of (E+F+G+H+I)	40000	59461.2
K.	Public Utilities	15000	25359.3
L.	Roads		36399.4
M.	Land Share component	80491.3	8088.21
N.	Additional Open Spaces		35.01
O.	Land under reservations		5239.73
P.	Land for Residential component		164287



07

URJABHOOMI

LOCATION : JATWADA, AURANGABAD

PROJECT TYPE : PUBLIC ARCHITECTURE

PROJECT STATUS : PROPOSED

The project is located in aurangabad which is nicknamed as the “city of gates”, majorly consists of a buddha gate, ashok stabh, stupa and dr. Ambedkar statue. The vision was to create a space where rightness was indirectly established, and to create a prayer hall which is supported by its needful spaces. With a plot area of 50530.51 Sqm situated opposing a waterfall.

Zoning & drafting of villa, residence. Revision of the master plan based on the progress. Research on buddhism in accordance with the buddha gate and rastering of the statues. Drafting of lighting layouts for the stupa. Zoning of landscapes around the stupa and the buddha gate.

CONCEPT

Proposed Urjabhoomi will be a space comprising of the facilities/ activities helping an individual to follow 8 fold path

RIGHT VIEW



Museum, library Introducing The Entire Dharma And LifeOf Gautam Buddha & Journey Of Dr. Babasaheb Ambedkar.

RIGHT INTENTION



The Path Leading To Different Facilities Developed In The Site.

RIGHT SPEECH



Developing Spaces For Auditorium, Open Air Theater, Multipurpose Hall.

RIGHT ACTION



Institutional Buildings

RIGHT LIVELYHOOD



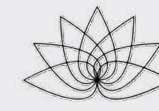
Dorms/ Hostel/ Villa/ Farming. Health Care Facilities/ Cafeterias.

RIGHT EFFORT



Religious Ceremony Spaces, Flag Hoisting Space, Buddha Statue, Dr. Baba Ambedkar Statue.

RIGHT MINDFULNESS



Prayer Hall And Dome

RIGHT CONCENTRATION



Prayer Hall And Dome

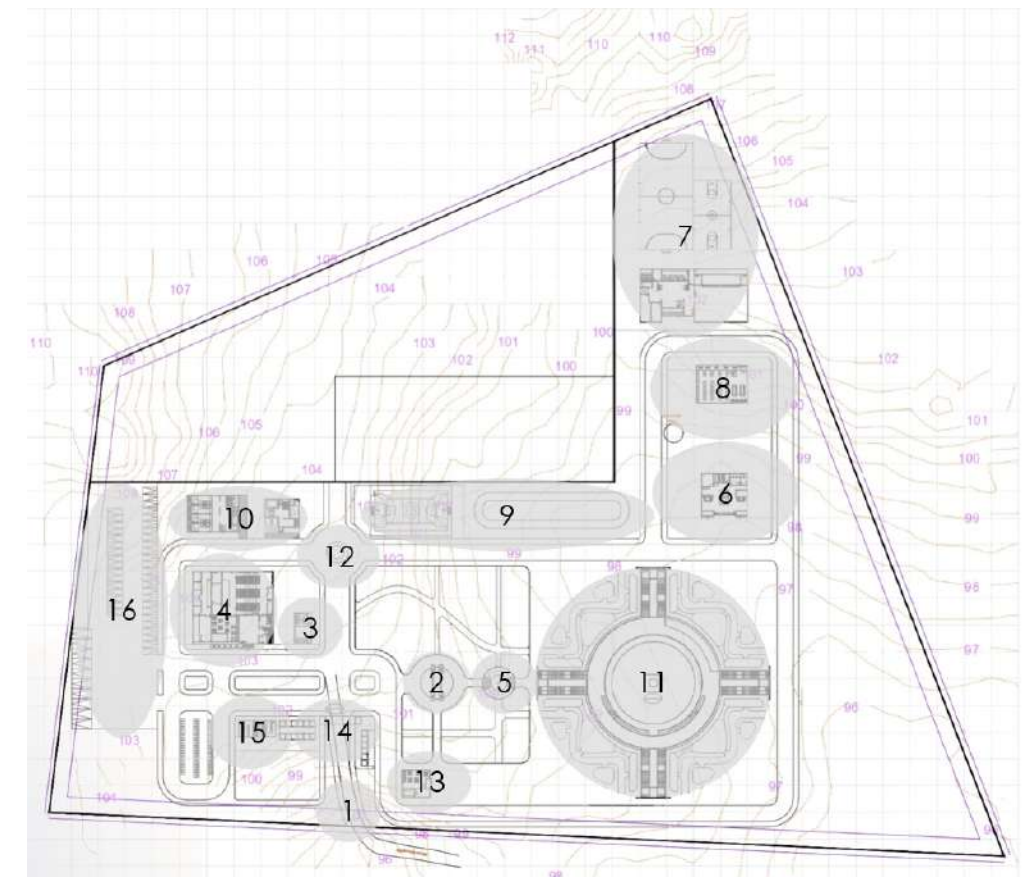
SITE LOCATION



SITE LOCATION FROM THE NEAREST HIGHWAY



CONCEPT



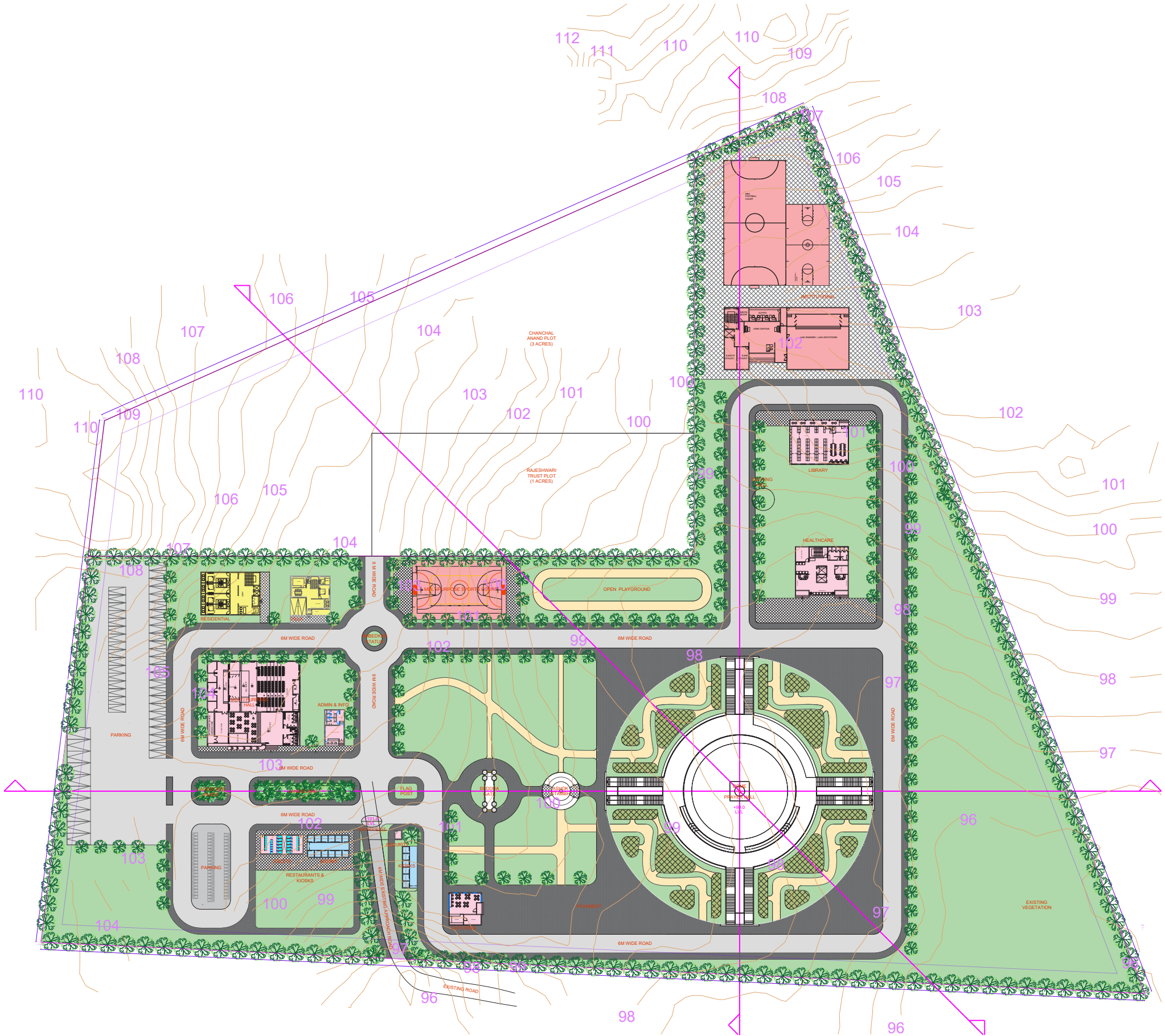
LEGEND

- | | |
|----------------------------|-------------------------|
| 1. Entrance/Security Cabin | 9. Sports |
| 2. Buddha Gate | 10. Residence, Villas |
| 3. Admin & Control | 11. Dome & Prayer Hall |
| 4. Multipurpose hall | 12. Dr. Ambedkar Statue |
| 5. Ashok Stambh | 13. Cafeteria |
| 6. Healthcare | 14. Kiosks |
| 7. Institute | 15. Toilets |
| 8. Library | 16. Parking |

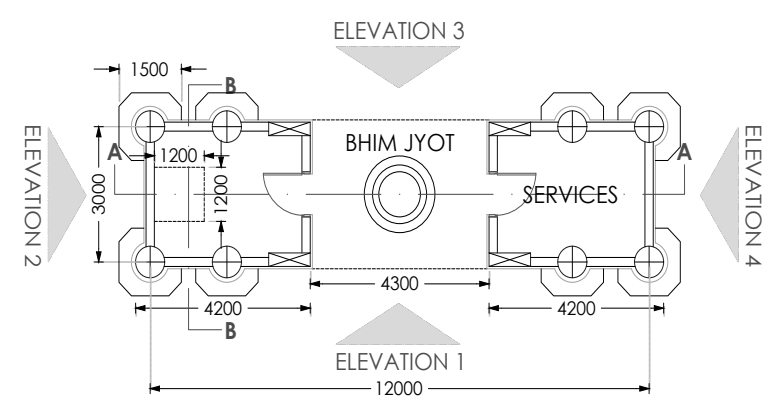
ARCHITECT'S SIGNATURE

SHASHI
PRABHU
AND
ASSOCIATES

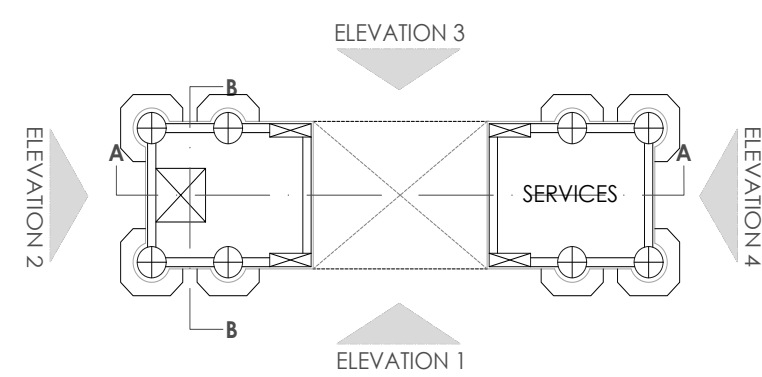
MASTER PLAN



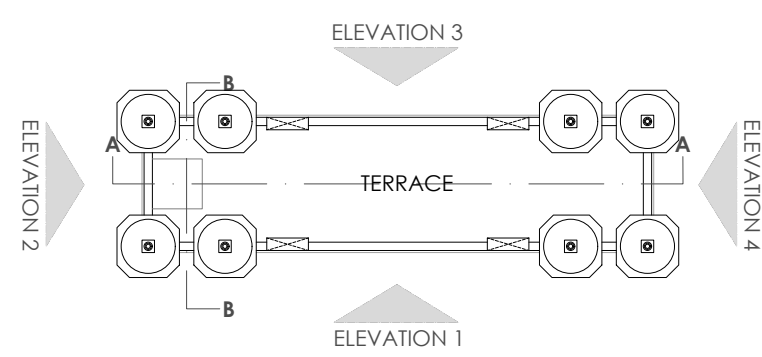
PLINTH FLOOR PLAN



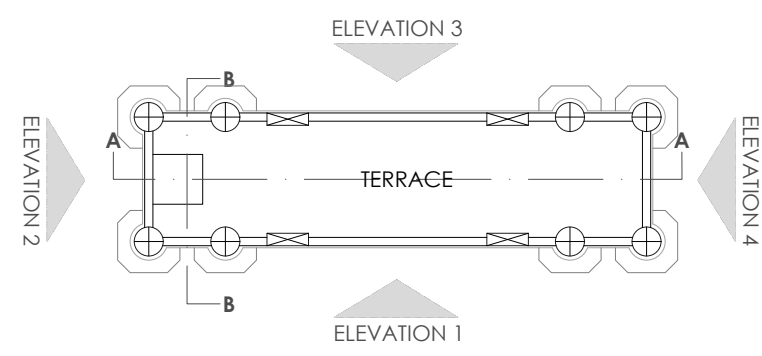
LEVEL 1 FLOOR PLAN



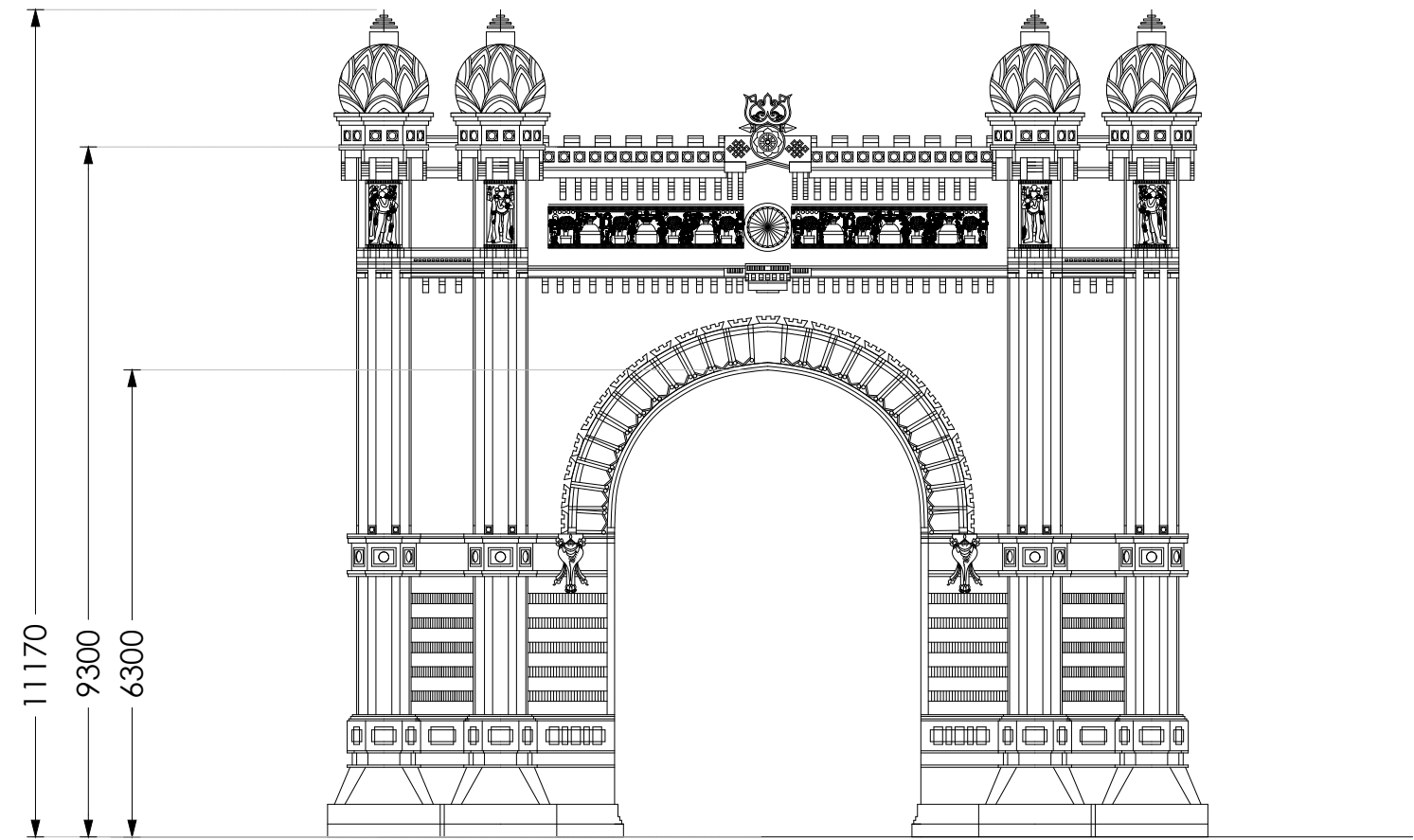
TERRACE PLAN



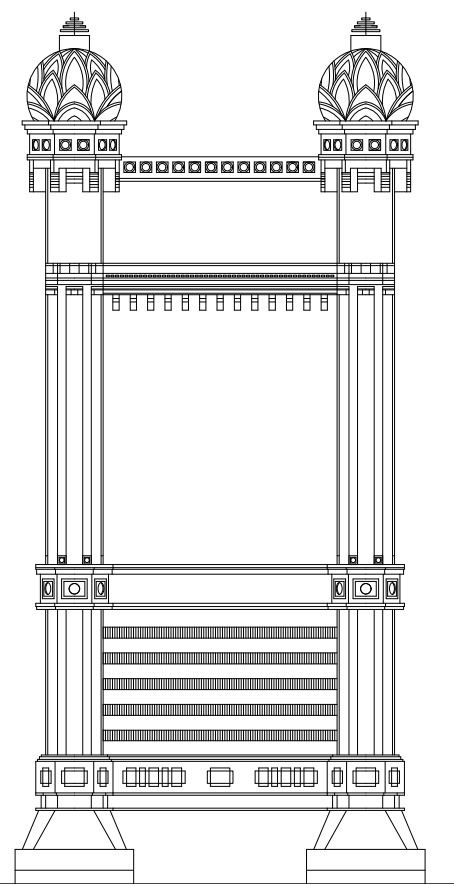
ROOF PLAN



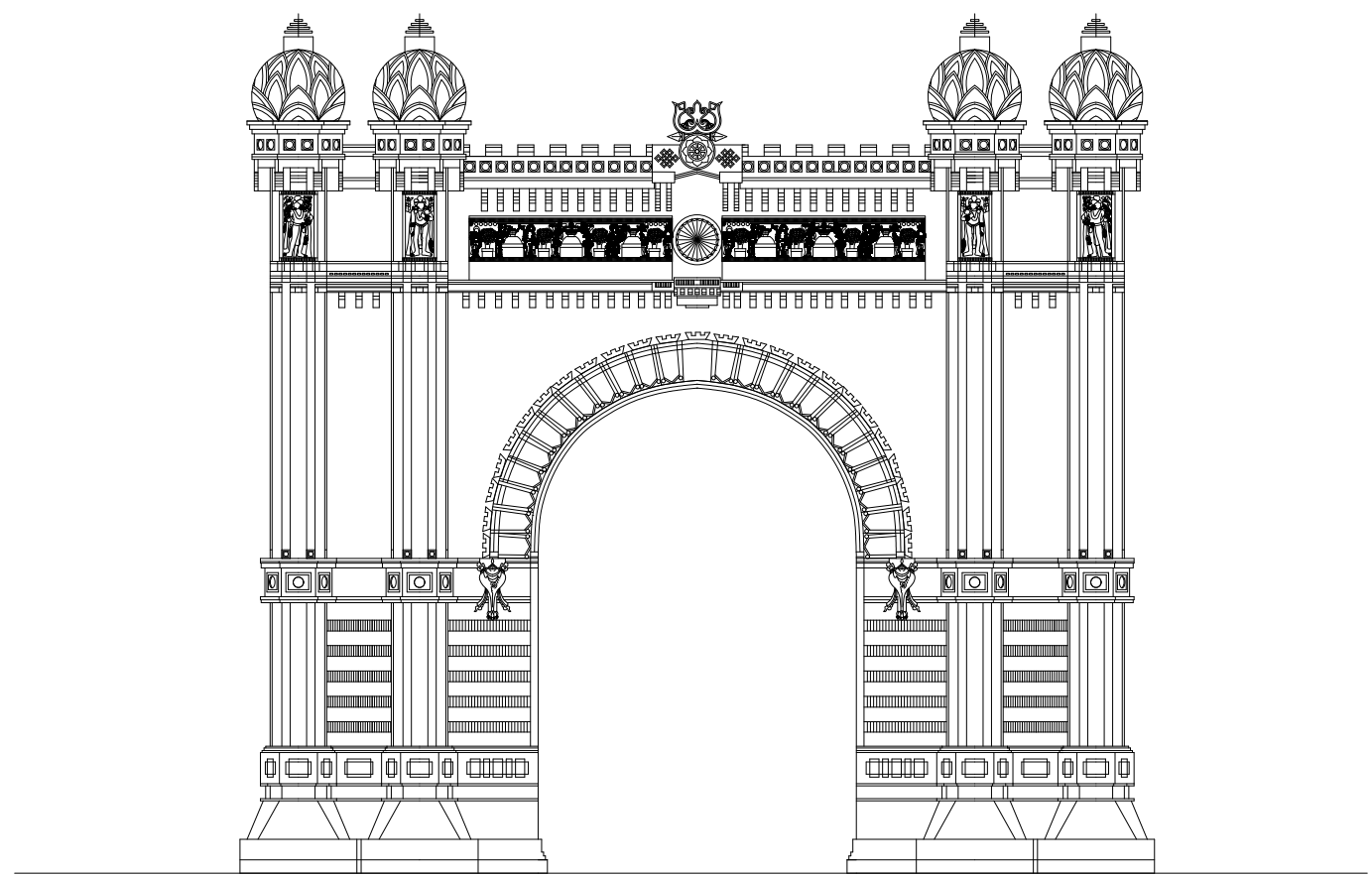
ELEVATION 1



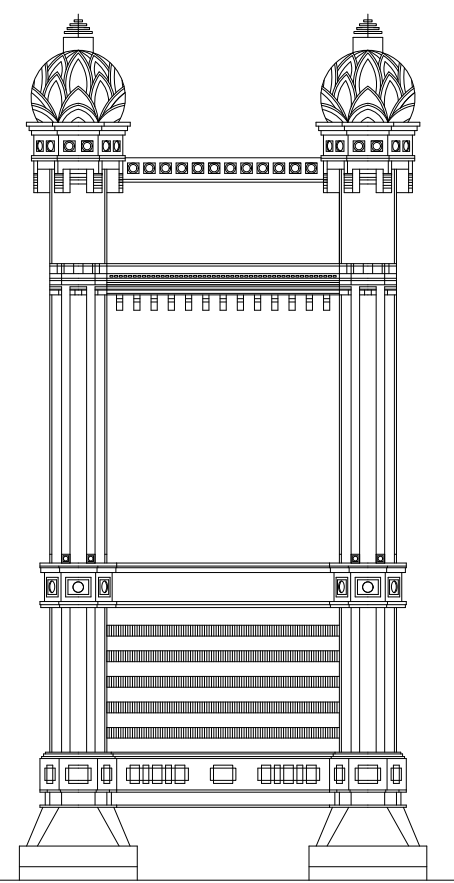
ELEVATION 2



ELEVATION 3



ELEVATION 4



Architectural section drawing of a building facade. The drawing shows a cross-section with a central arched opening. The levels are indicated on the left side: PARAPET LVL +12M, TERRACE LVL +10.8M, ARCH LVL +6.75M, LVL 1 +4.6M, P.L +0.3M, and M.G.L ±0.0M. The dimensions are indicated on the right side: 1200 (height from M.G.L to TERRACE LVL), 4050 (height from M.G.L to ARCH LVL), 2150 (height from M.G.L to LVL 1), 4300 (height from M.G.L to P.L), and 300 (height from M.G.L to P.L). The word "TERRACE" is written in the upper section.

Architectural elevation drawing of a building facade. The drawing shows a vertical section with various levels and dimensions indicated on the right side. The levels are listed on the left, and the dimensions are listed on the right.

Levels (from top to bottom):

- PARAPET LVL +12M
- TERRACE LVL +10.8M
- ARCH LVL +6.75M
- LVL 1 +4.6M
- P.L +0.3M
- M.G.L ±0.0M

Dimensions (from top to bottom):

- 1200
- 2800
- 1250
- 950
- 2150
- 4300
- 300

The drawing also includes a central vertical element labeled "TERRACE" and a small rectangular feature near the bottom center.

Architectural floor plan of the Prayer Hall at +0.6m Level. The plan is circular with a diameter of 85,900 mm. It features four main entrances/exits, each with a width of 9,000 mm and a height of 3,000 mm. The central area is a large circular space with a spiral pattern of lines and dots, labeled 'LANDSCAPE AREA'. The outer ring is also labeled 'LANDSCAPE AREA'. The plan includes various level markers: +0.40m LVL, +0.55m LVL, and +0.6m LVL. Elevation markers A, B, and C are shown. The plan is titled 'PRAYER HALL PLAN @ +0.6M LVL'.

The floor plan is divided into several functional areas:

- ROOM 4**: 3200 X 7636. Located at the top left, featuring a desk, chair, and storage units.
- ROOM 3**: 3200 X 7636. Located at the top center, featuring a desk, chair, and storage units.
- ROOM 2**: 3200 X 7636. Located at the top right, featuring a desk, chair, and storage units.
- ROOM 1**: 3200 X 7636. Located at the top far right, featuring a desk, chair, and storage units.
- RECEPTION**: 3500 X 2350. Located on the left side, featuring a reception desk and two chairs.
- WAITING AREA**: 2600 X 2400. Located at the bottom left, featuring a desk and two chairs.
- LOBBY**: 5700 X 4350. Located in the center, featuring a large open space with a staircase labeled "UP" on the right.
- ENTRY**: Indicated by a large triangle at the bottom center.

Dimensions are provided for each room and area. The overall dimensions of the building are 13800 (width) by 25500 (depth).

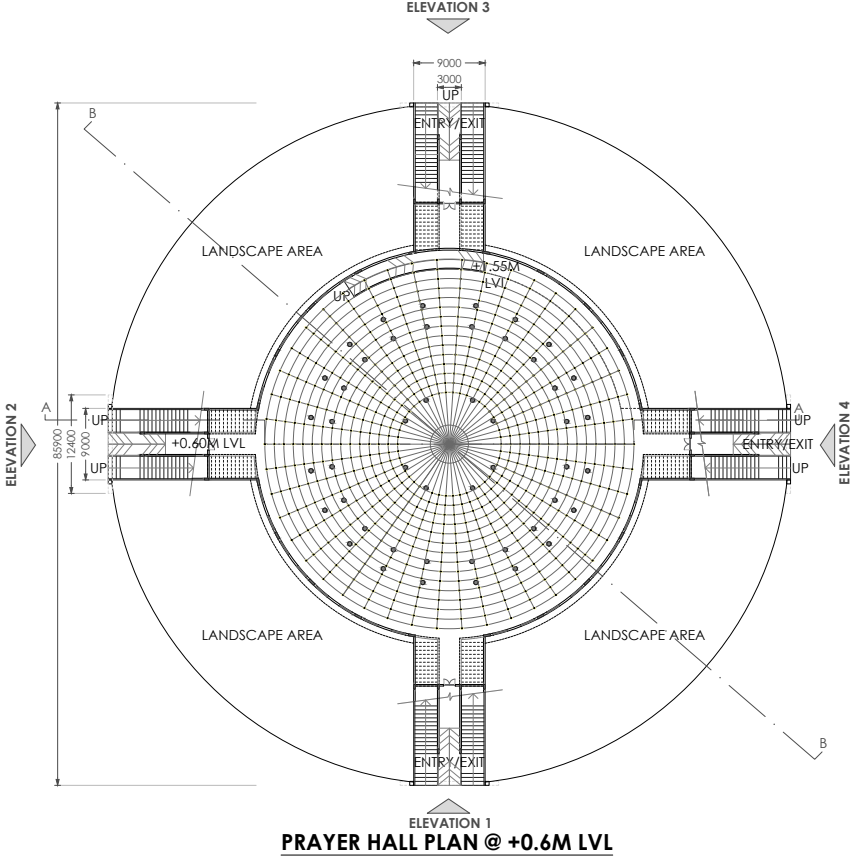
The floor plan shows a house with the following rooms and dimensions:

- PARKING:** 5000 X 5500
- KITCHEN:** 4800 X 3500
- DINING AREA:** 4800 X 3000
- LIVING ROOM:** 4250 X 3050
- BEDROOM:** 3500 X 4500
- TOILET:** 1800 X 2400
- POWDER ROOM:** 1200 X 1500
- WALK IN WARDROBE:** 1500 X 2400
- SIT OUT:** 5950 X 1850

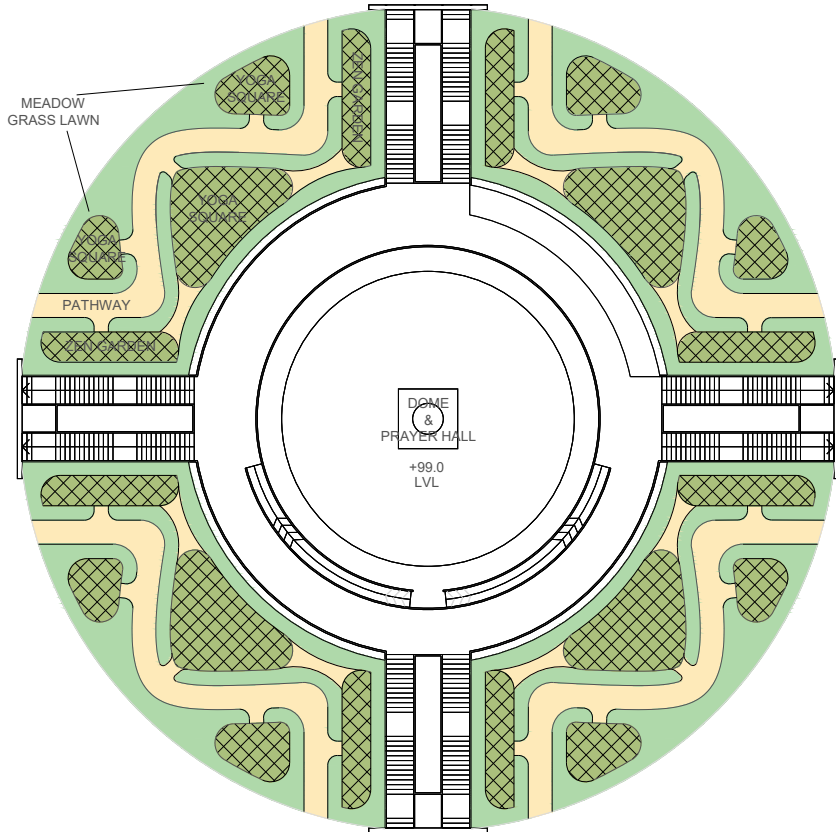
The plan also includes a staircase, an entry, and various architectural details like doors, windows, and furniture placement.

Architectural floor plan of the Prayer Hall at +0.6M LVL. The plan shows a circular central hall with a diameter of 85900, surrounded by four rectangular entry/exit areas. The central hall is labeled "LANDSCAPE AREA" and contains a pattern of small dots. The entry/exit areas are labeled "ENTRY/EXIT" and "UP". The plan includes dimensions for the central hall (85900) and the entry/exit areas (9000, 3000). The plan is oriented with Elevation 1 at the bottom and Elevation 3 at the top. The title "PRAYER HALL PLAN @ +0.6M LVL" is at the bottom.

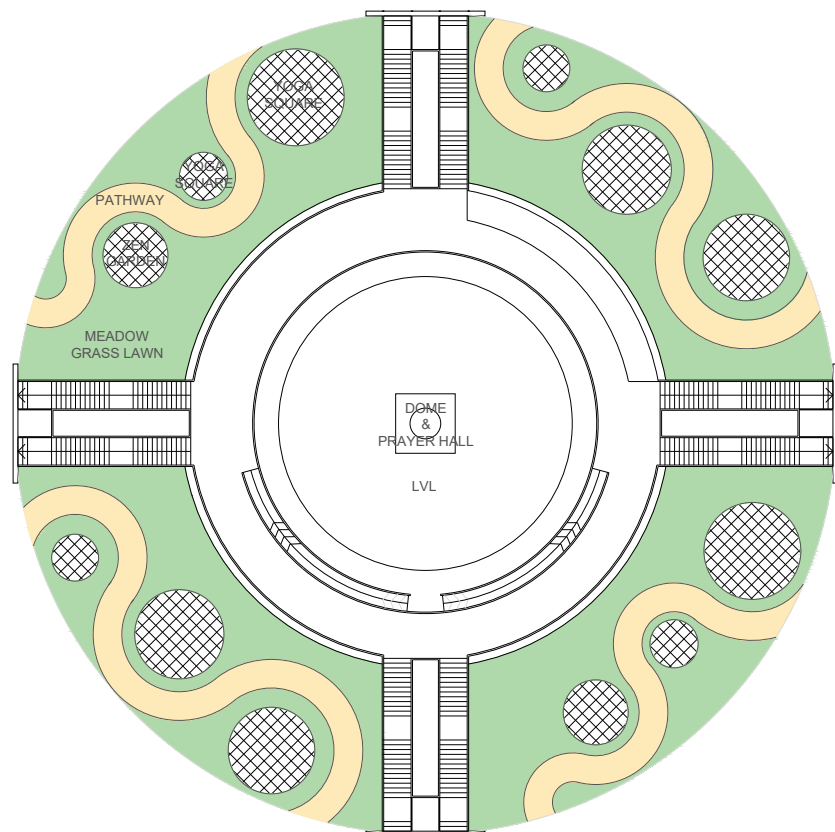
STUPA LIGHTING LAYOUT - OPTION B



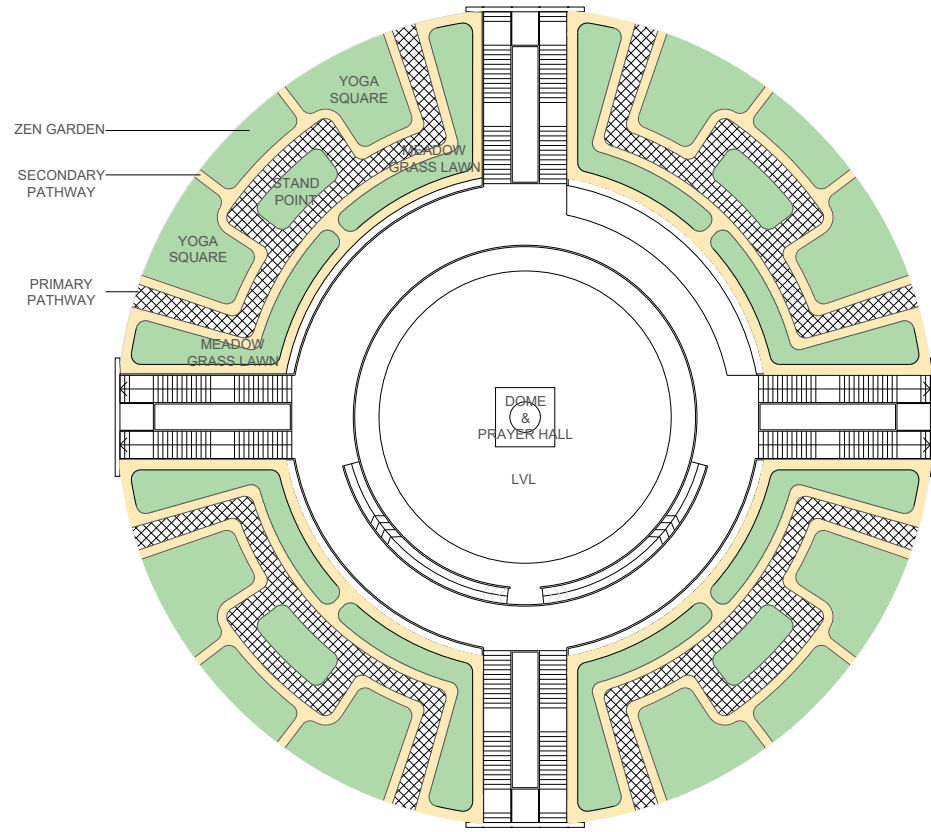
STUPA LANDSCAPE - OPTION A



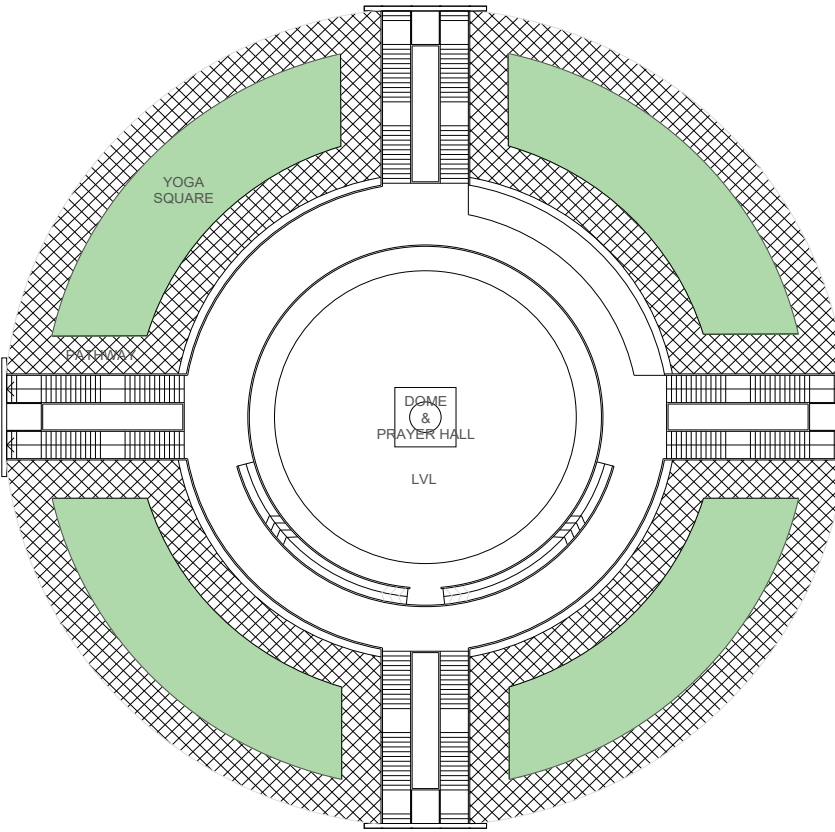
STUPA LANDSCAPE - OPTION B



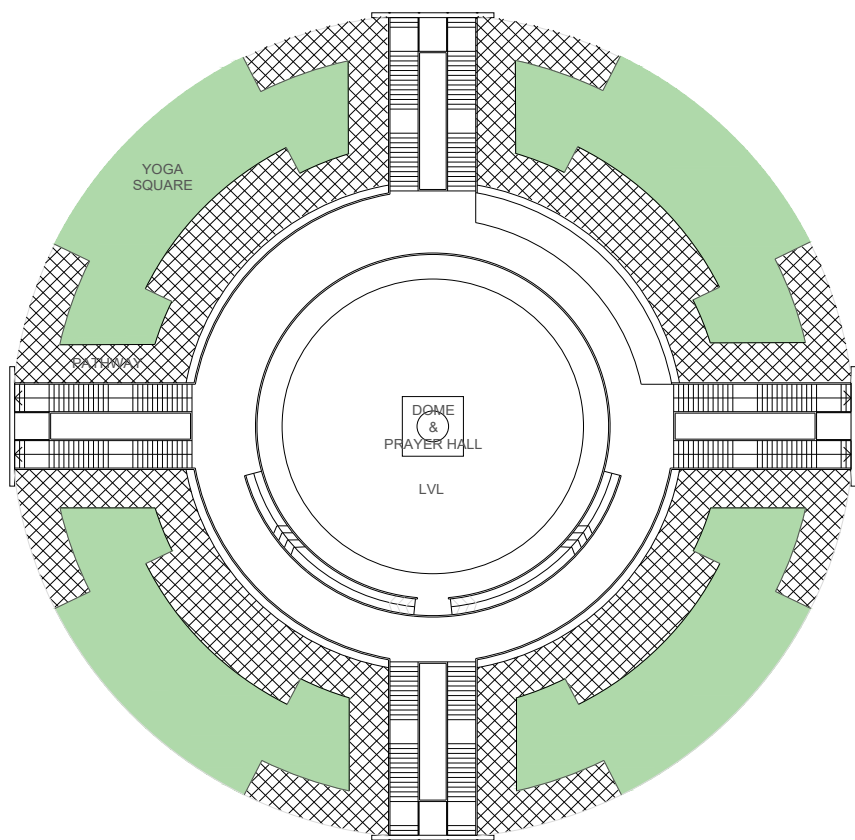
STUPA LANDSCAPE - OPTION C



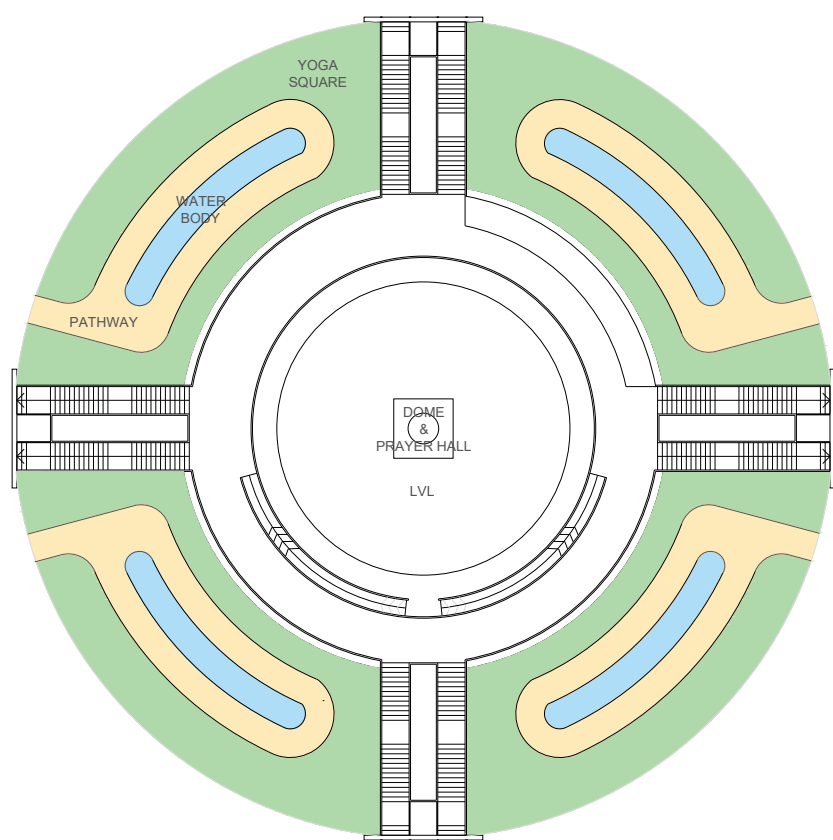
STUPA LANDSCAPE - OPTION D



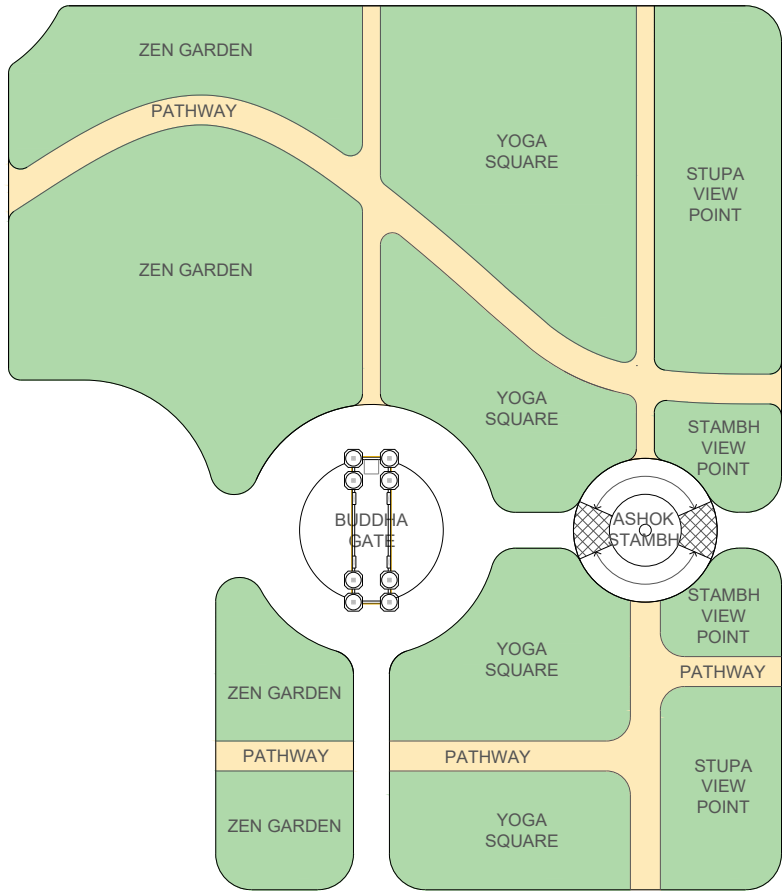
STUPA LANDSCAPE - OPTION E



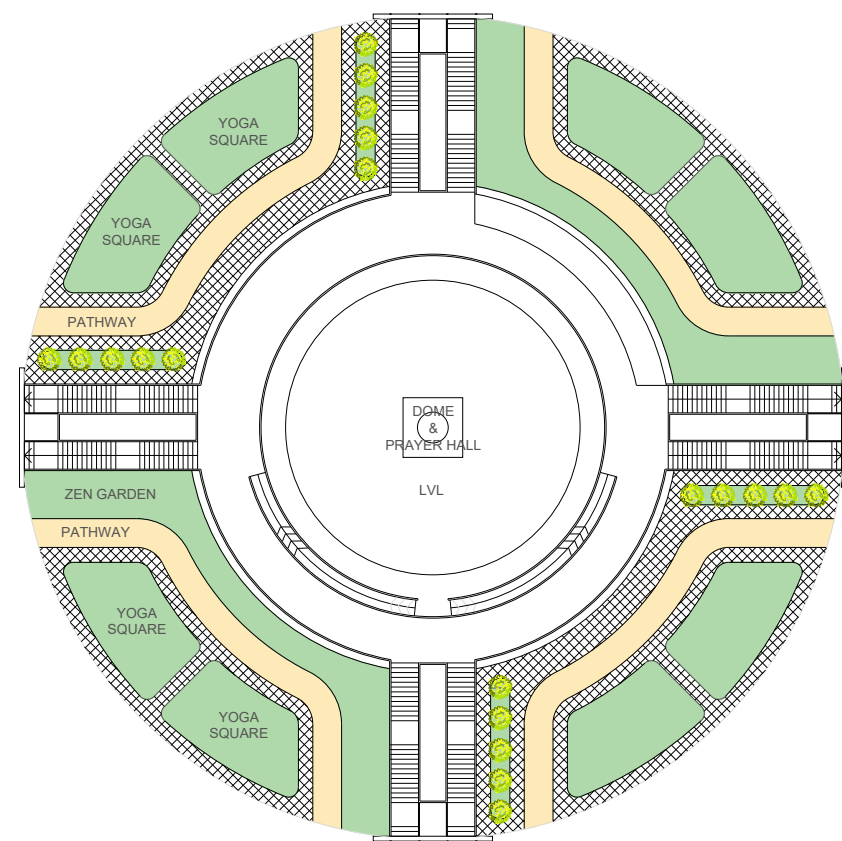
STUPA LANDSCAPE - OPTION F



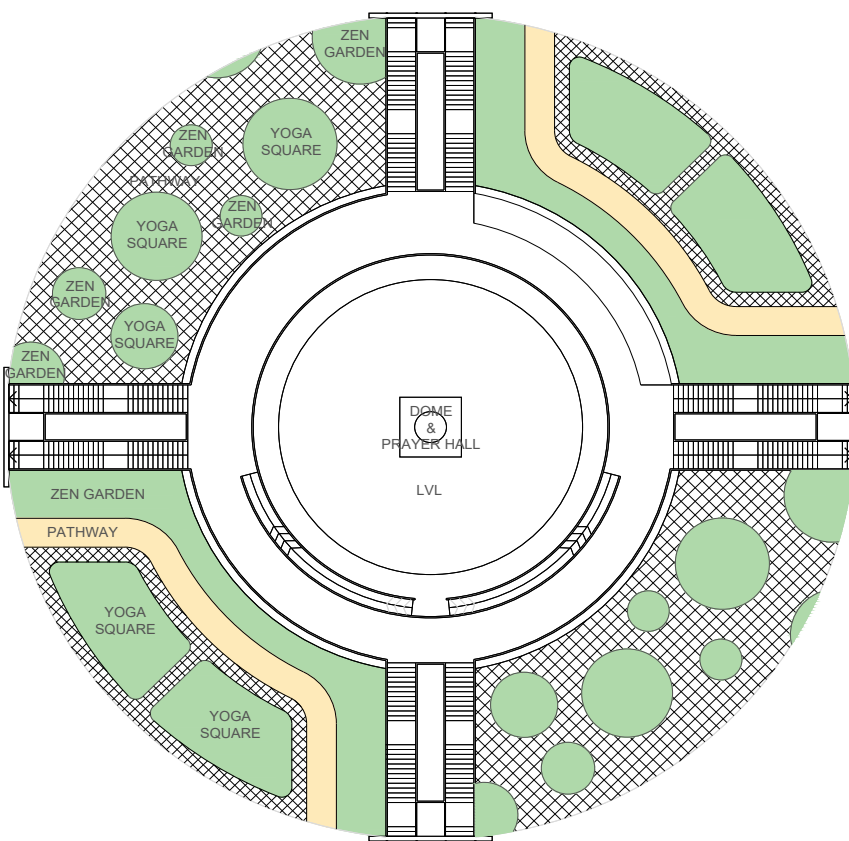
BUDDHA GATE LANDSCAPE - OPTION A



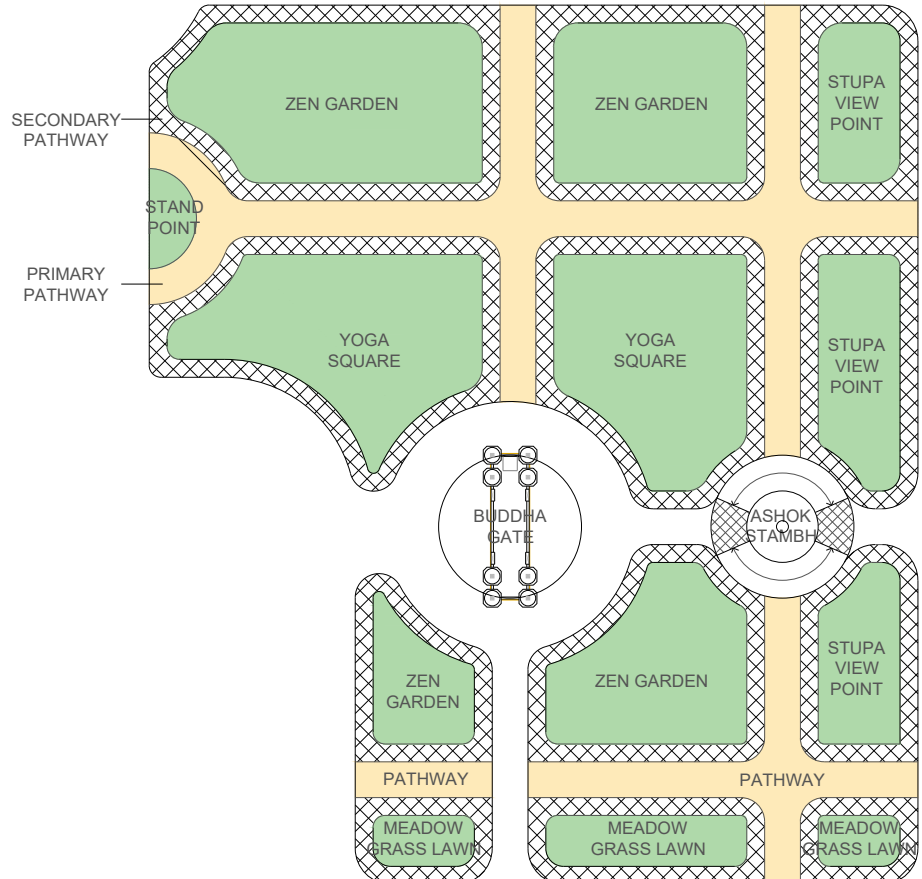
STUPA LANDSCAPE - OPTION G



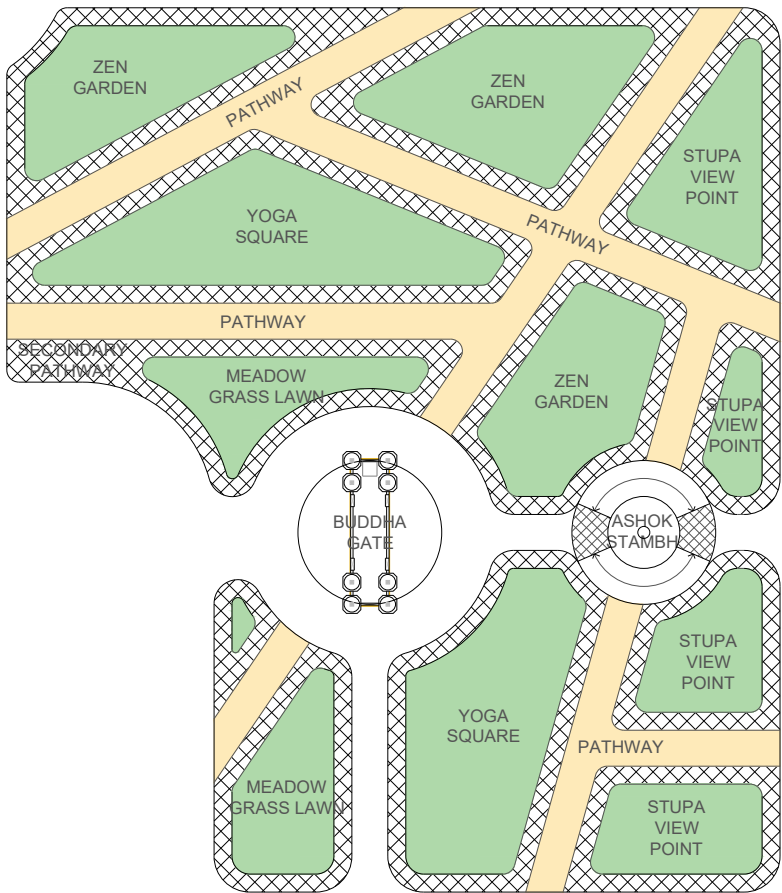
STUPA LANDSCAPE - OPTION H



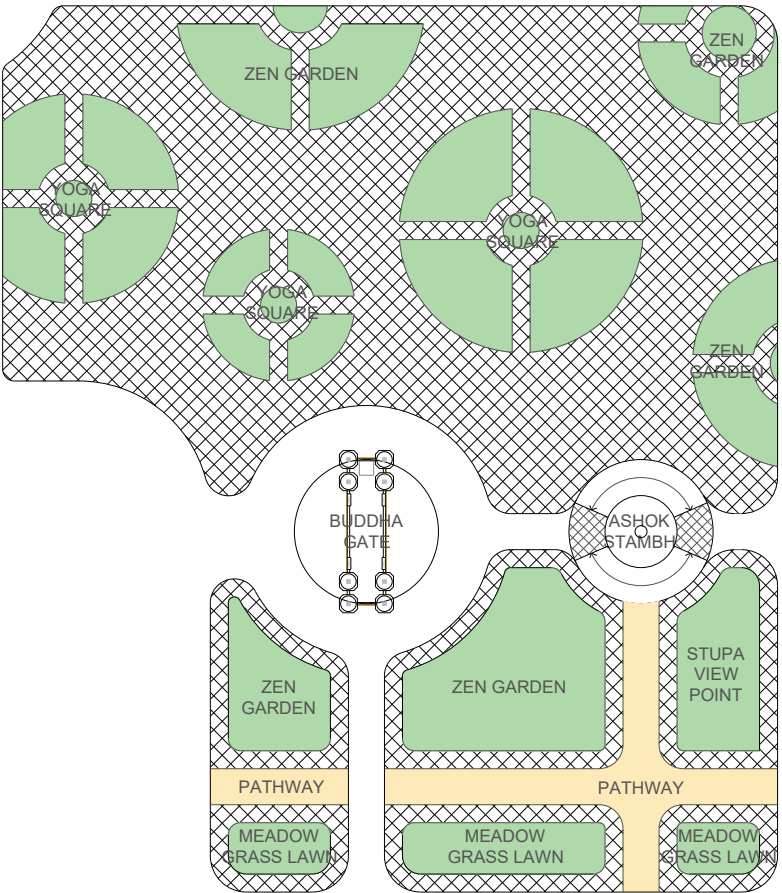
BUDDHA GATE LANDSCAPE - OPTION B



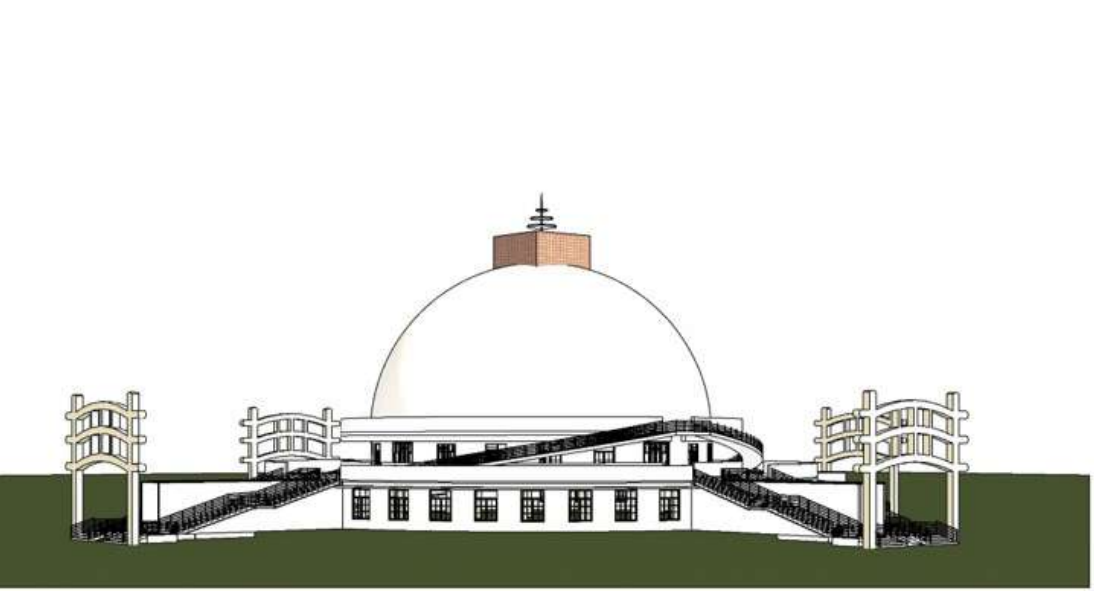
BUDDHA GATE LANDSCAPE - OPTION C



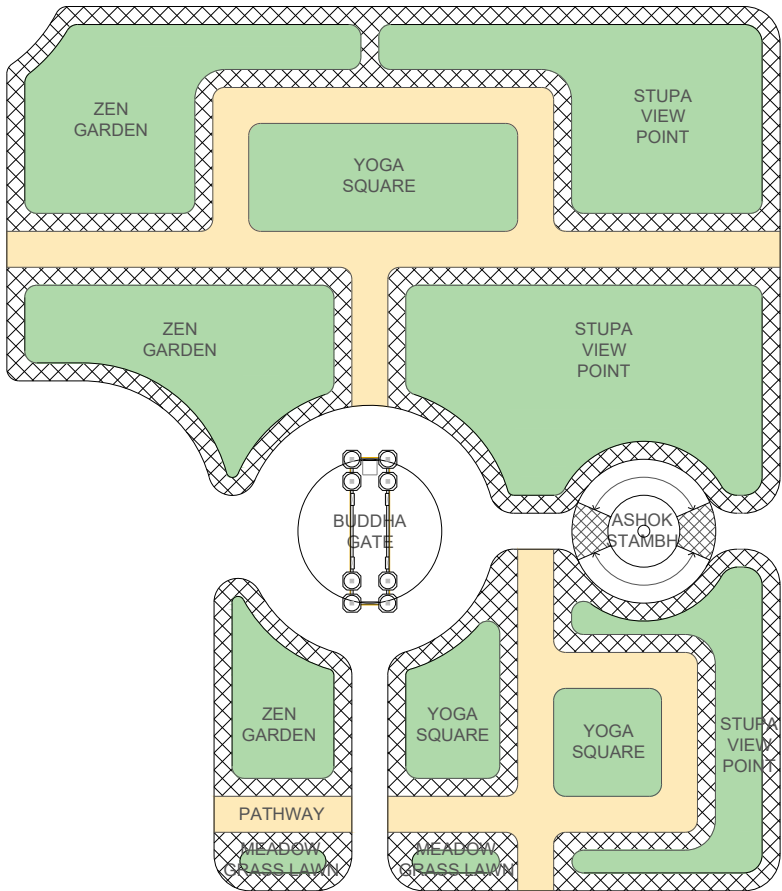
BUDDHA GATE LANDSCAPE - OPTION E



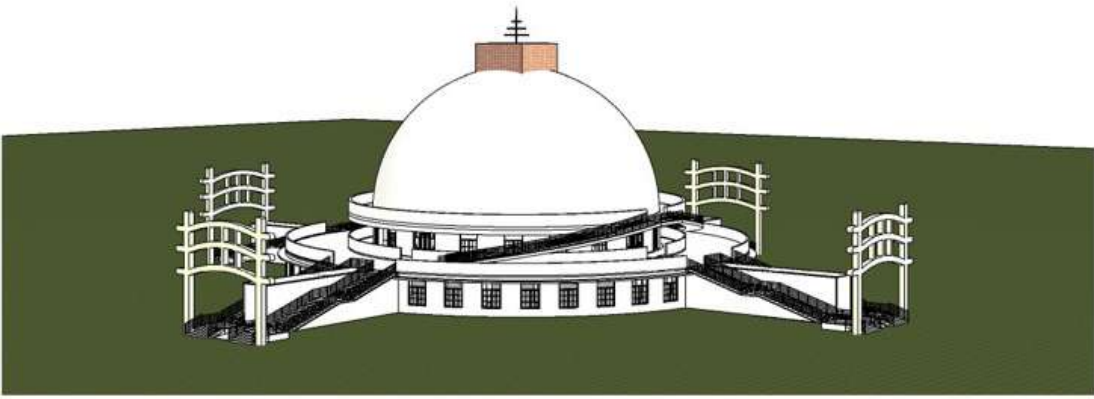
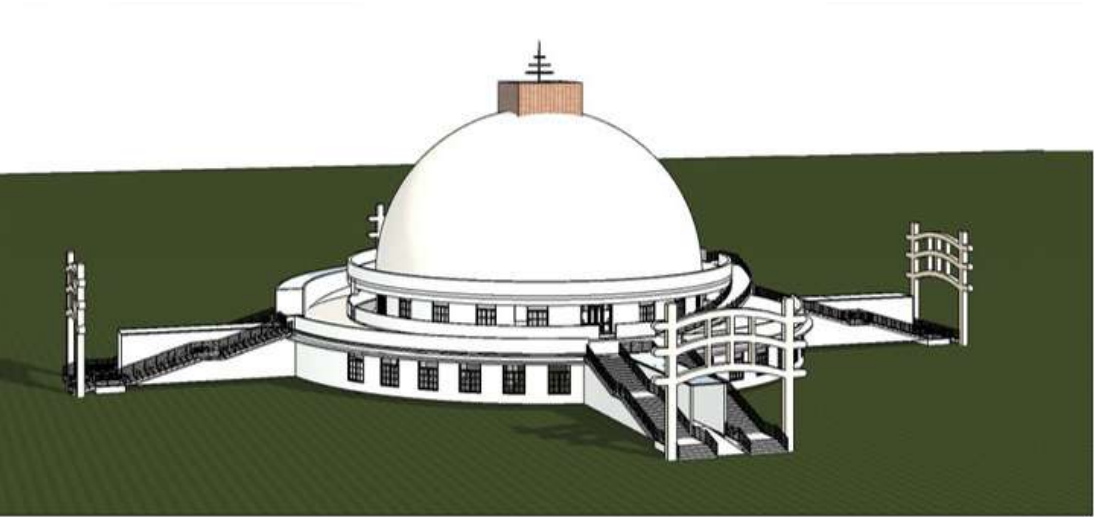
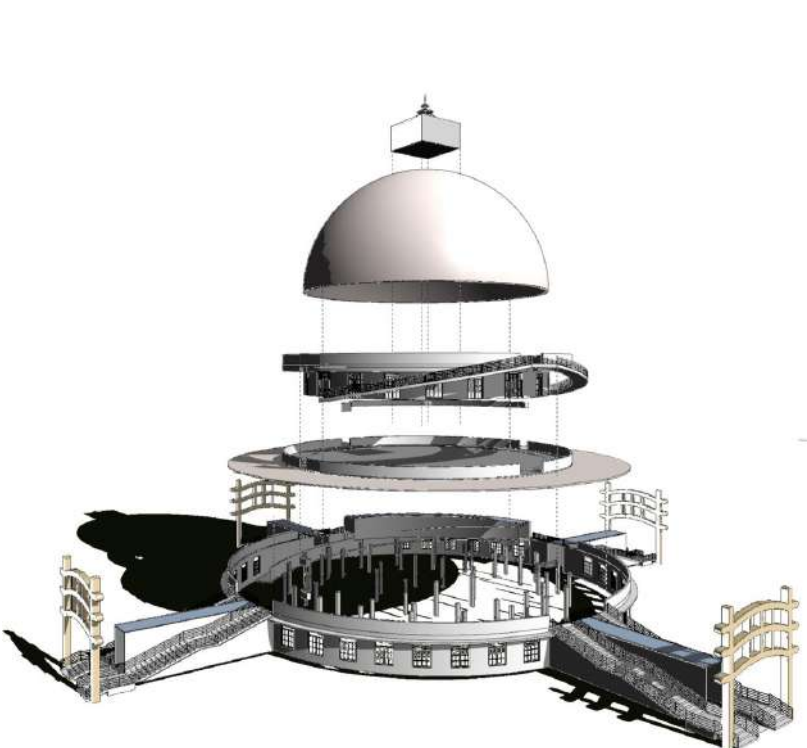
CONCEPTUAL MODEL - STUPA



BUDDHA GATE LANDSCAPE - OPTION D



CONCEPTUAL MODEL - STUPA



08

TATA
DHARAMSHALA

LOCATION : PAREL, MUMBAI.

PROJECT TYPE : HEALTHCARE

PROJECT STATUS : PROPOSED

As the demand for modern healthcare facilities rises in Mumbai, along with its fast-growing population, Tata intends to create a dharamshala as hospital lacks dormitories to accommodate all the patients. The idea is to give a hospitality experience in the dharamshala, in terms of its ambience and space design. With a plot area of 591.98 Sqm.

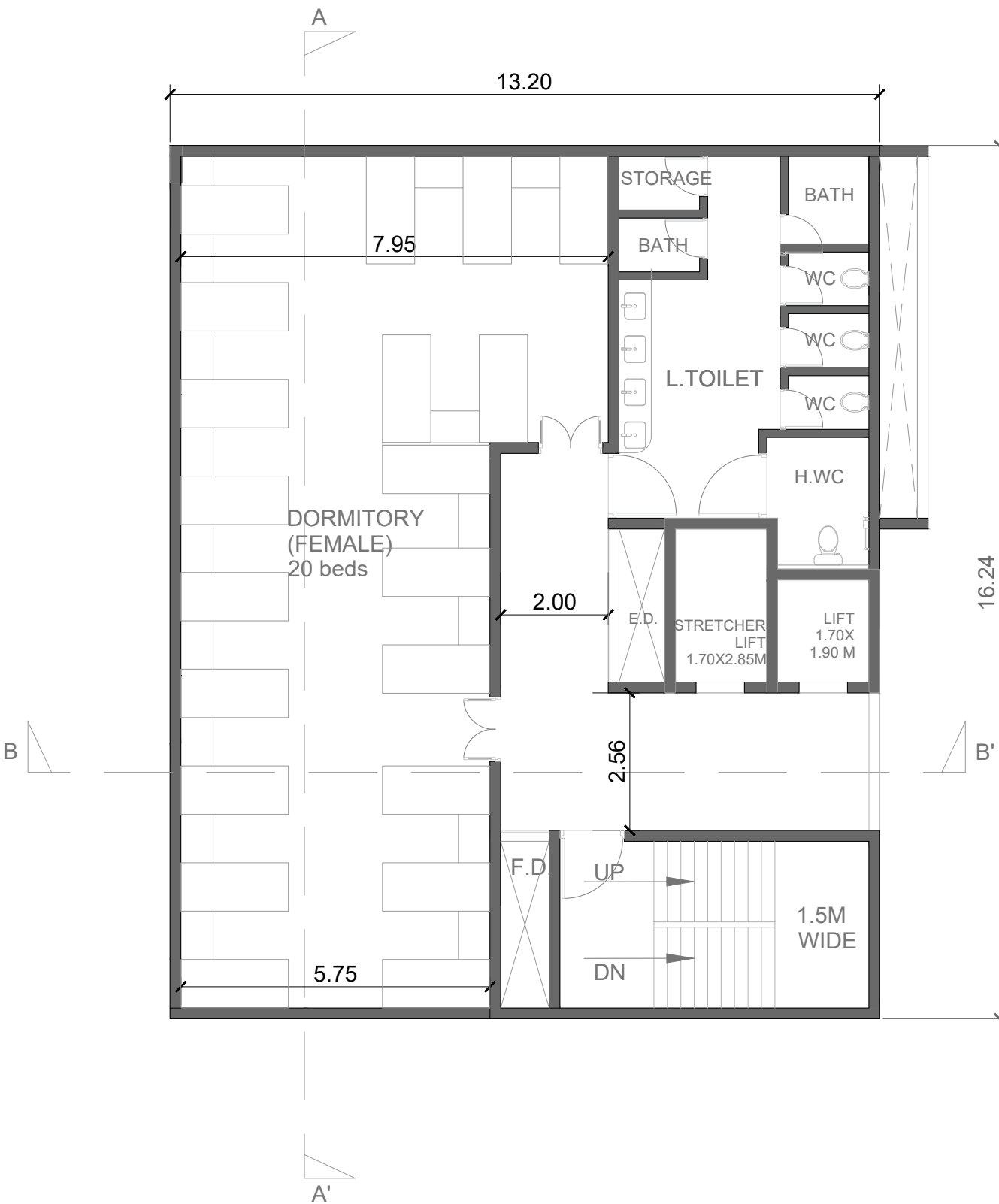
Research on dharamshalas/pilgrim centers, zoning & drafting of floor plans, generation of six model options for the facade design.

MASTER PLAN



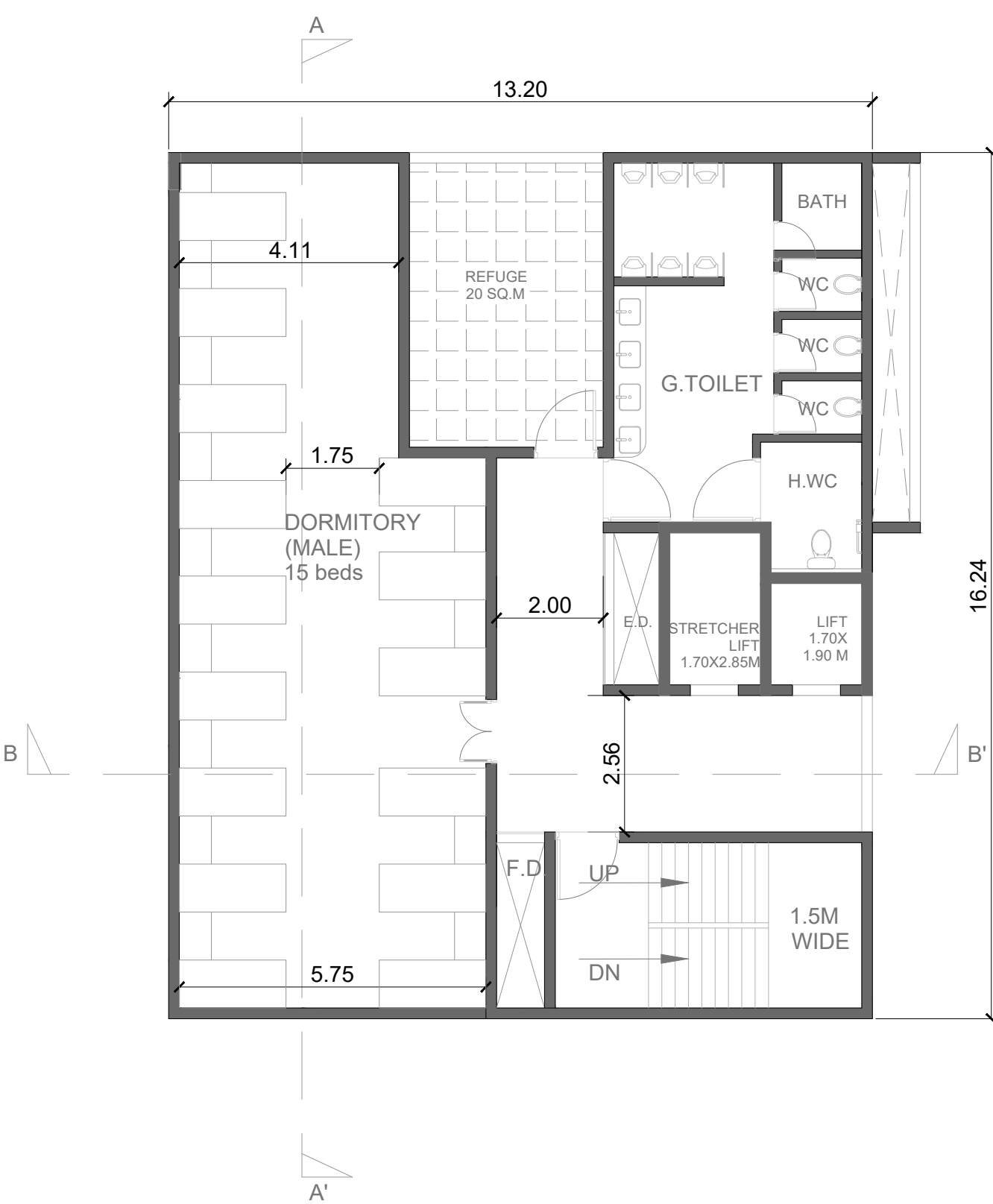
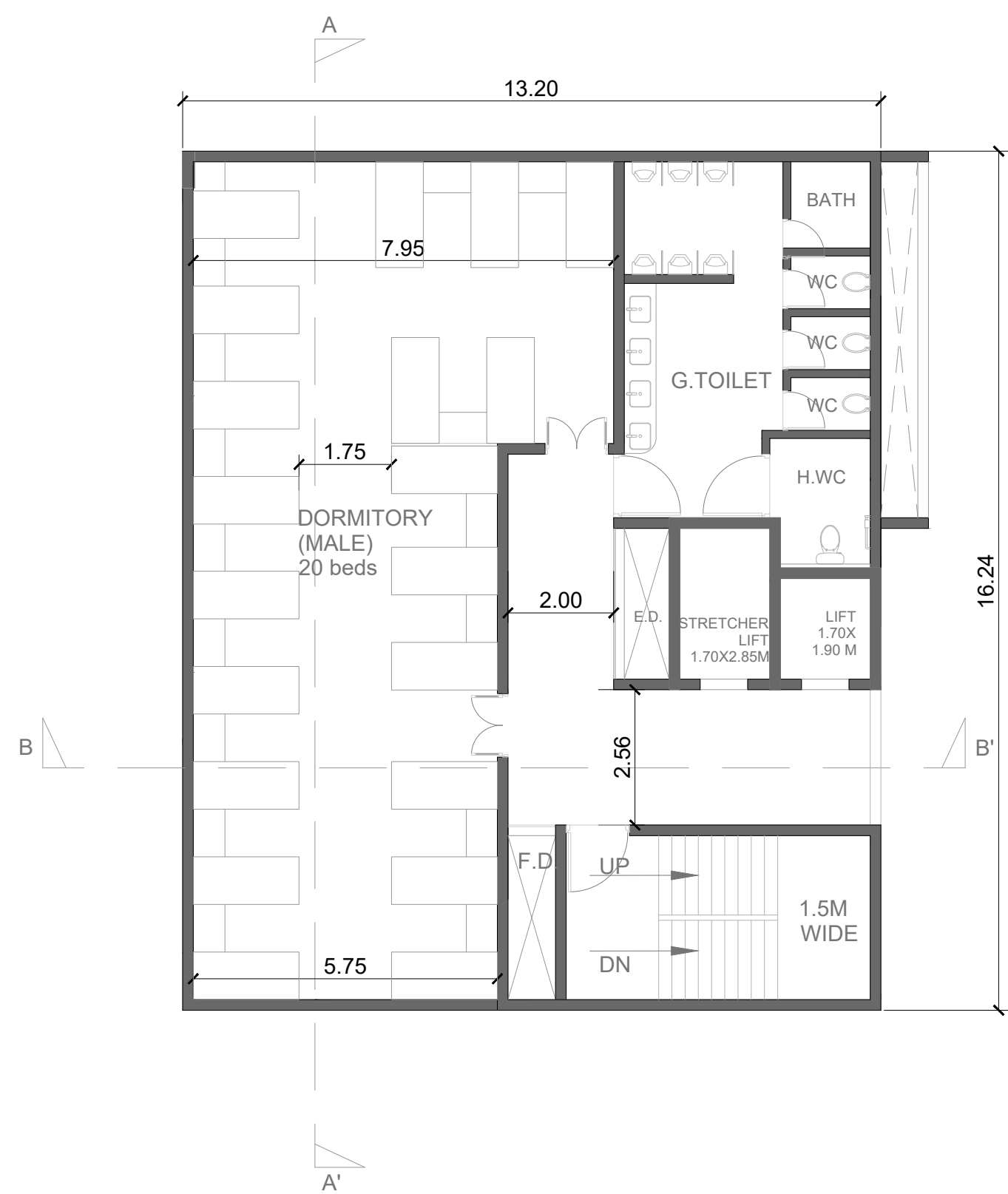
FIRST FLOOR PLAN

2ND 3RD 4TH FLOOR PLAN



6TH 8TH 9TH FLOOR PLAN

REFUGE FLOOR PLAN - 7TH FLOOR



OPTION A



THE WINDOWS ARE WRAPPED BY A RECTANGULAR EXTRUSION WHICH ACTS AS A DESIGN ELEMENT AS WELL AS A SHADING ELEMENT. MEANWHILE REPLICATING IT AS A VERTICAL COMPONENT. WITH THE CONTRASTING COMBINATION OF WHITE SHADE AND BRICK THE STRUCTURE STANDS OUT.

OPTION B



THE STRUCTURE IS OF BEIGE COLOUR PALETTE, ENHANCED BY VERTICAL WHITE STRIPS OF EXTRUSION.



09

TATA CANCER
CARE CENTER

LOCATION : BHOIWADA, MUMBAI.

PROJECT TYPE : HEALTHCARE

PROJECT STATUS : PROPOSED

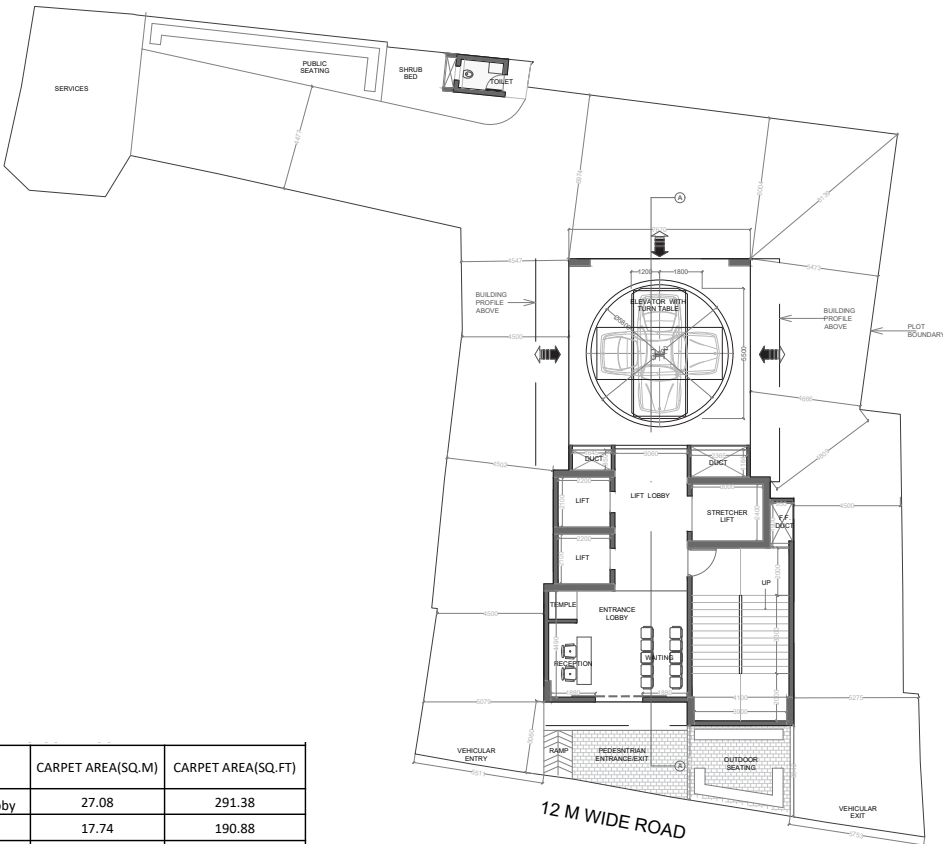
The TATA care cancer center provides medical and nursing services, short-term inpatient care, volunteers to give caregivers a break, Counseling and spiritual care and studio accommodation. With a plot area of 685.86 Sqm comprising a g+17 storey structure and two basements to aid the parking capacity.

Revision of floor plans based on the placement of the core area. Drafting of the section, Presentation of the project.

SITE CONTEXT



MASTER PLAN



SR. NO.	AREA	CARPET AREA(SQ.M)	CARPET AREA(SQ.FT)
1	Reception & Lobby	27.08	291.38
2	Lobby	17.74	190.88
TOTAL		44.82	482.26

GROUND FLOOR

- LOBBY
- RECEPTION
- TEMPLE
- TOILET

CONSTRUCTION AREA - 151.08
SQ.M

PERMISSIBLE FSI & BUA

1	Plot area as per letter received	752.51 sqm
2	Plot area as per Survey	685.867 sqm
3	Therefore, Plot area for calculation	685.867 sqm
4	As per DCPR 2034, min. Road width required for Hospital	13.4 m
5	On site Front road width (As per Survey)	12.00 m
6	FSI Calculation as per DCR 30, Table 12 for road width 12.00 m	
a	Zonal Basic FSI	1.33
b	Additional FSI on payment of premium	0.62
c	Admissible TDR	0.45
7	Total Permissible FSI	2.40
8	Area available for development	1646.08 sqm
9	Additional 35% Fungible as per Rule no. 31(3) of DCPR 2034	576.128 sqm
10	Therefore, total Permissible Built-Up Area	2222.21 sqm
12	Permissible Built-up area for Medical Institution	3429.34 sqm
13	Height Restriction for Medical Institute	45m
14	Height Restriction for Other uses	upto 120m

AREA STATEMENT

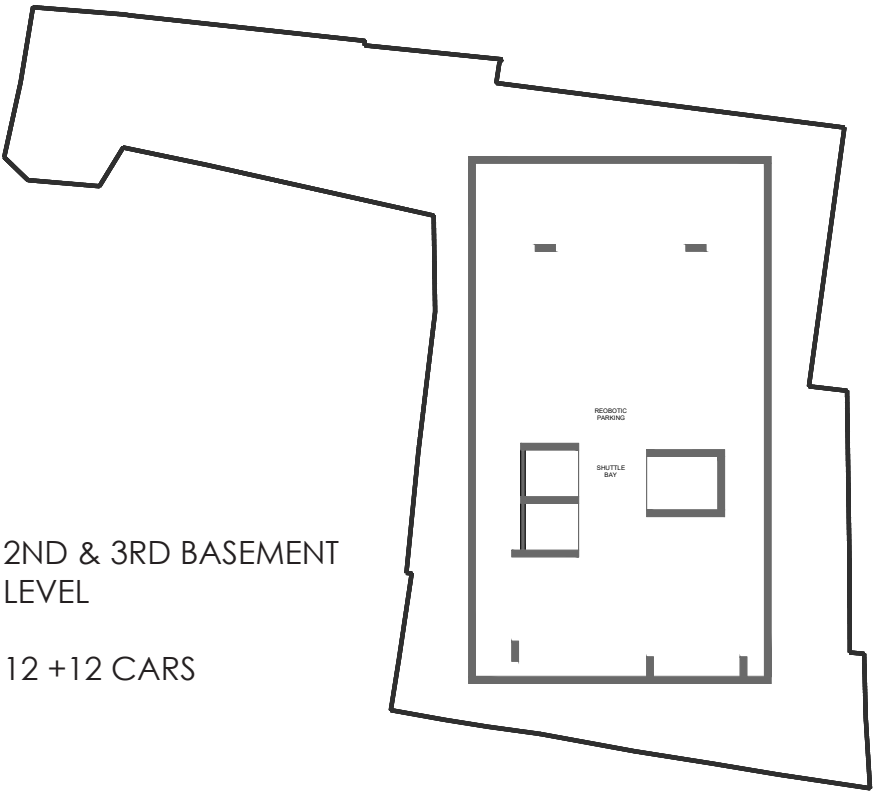
SR. NO.	FLOOR	BUA (SQ.M)	BUA (SQ.FT)	CONSTRUCTION AREA(SQ.M)	CONSTRUCTION AREA(SQ.FT)	CARPET AREA(SQ.M)	CARPET AREA(SQ.FT)
1	GROUND FLOOR	0	0	151.08	1625.6208	44.82	482.2632
2	1ST FLOOR	121.21	1304.22	181.28	1950.5728	123.55	1329.40
3	2ND FLOOR	129.8	1396.65	187.21	2014.3796	131.95	1419.78
4	3RD TO 5TH (3 FLOORS)	389.4	4189.94	561.63	6043.1388	395.43	4254.83
5	6TH (REFUGE)	87.7	1051.25	187.21	2014.3796	137.07	1474.87
6	7TH TO 12TH (6 FLOORS)	778.8	8379.888	1123.26	12086.2776	787.32	8471.56
7	13TH (REFUGE)	87.7	1051.25	187.21	2014.3796	137.07	1474.87
8	14TH TO 15 FLOOR (2 FLOORS)	259.6	2793.30	374.42	4028.7592	263.62	2836.55
9	16TH FLOOR	129.8	1396.65	187.21	2014.3796	131.22	1411.93
10	17TH FLOOR	129.8	1396.65	187.21	2014.3796	131.22	1411.93
11	18TH FLOOR(PART TERRACE)	85.92	924.50	187.21	2014.3796	103.8	1116.89
12	BASEMENT 1			303.91	3270.0716		
13	BASEMENT 2			303.91	3270.0716		
14	BASEMENT 3			221.67	2384.1892		
PROPOSED AREA(TOTAL)		2219.73	23884.2948	4444.42	47821.9592	2387.07	25202.61
PERMISSIBLE BUA		2222.22					
BALANCE BUA		2.49					

SCHEMATIC SECTION

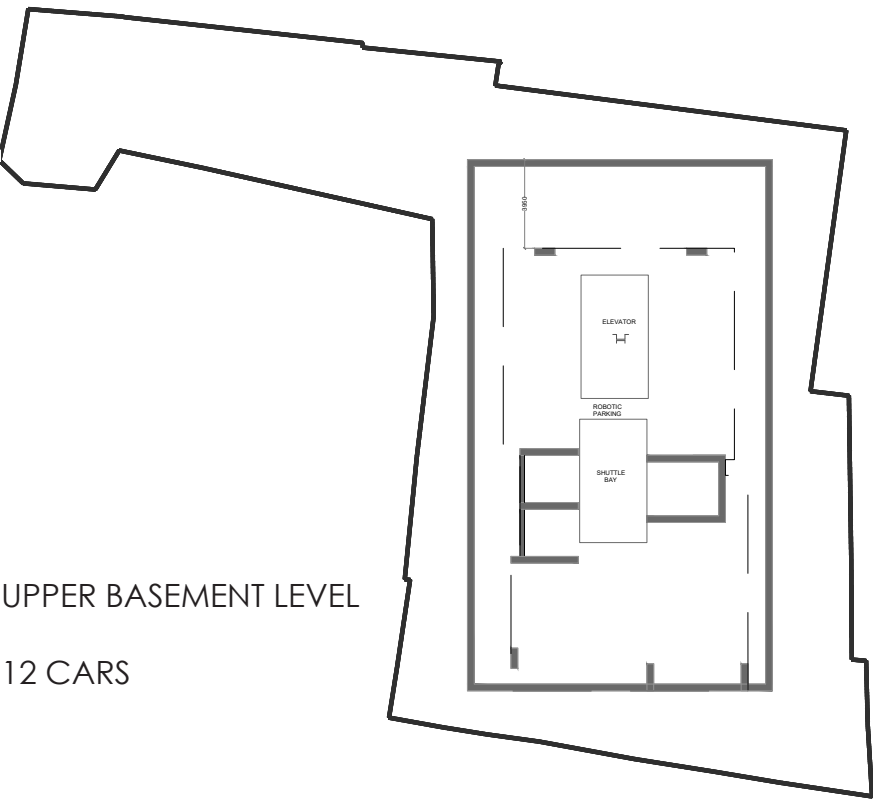
BED STACKING (ON EACH FLOOR)	
PARTICULARS	DESCRIPTION
DAYCARE - CHEMOTHERAPY	8+2 BEDS PER FLOOR (13 FLOORS)
TOTAL DAY CARE BEDS	126 NOS.
PATIENT'S CAFETERIA	YES
SEMINAR HALL	-
RMO DORMITORY	YES
CAFETERIA	YES
SINGLE OCCUPANCY ROOMS	4 NOS.
STUDIO ACC	2 NOS.
PREVENTIVE ONCOLOGY	1 NOS



LOWER BASEMENT FLOOR PLAN



UPPER BASEMENT FLOOR PLAN



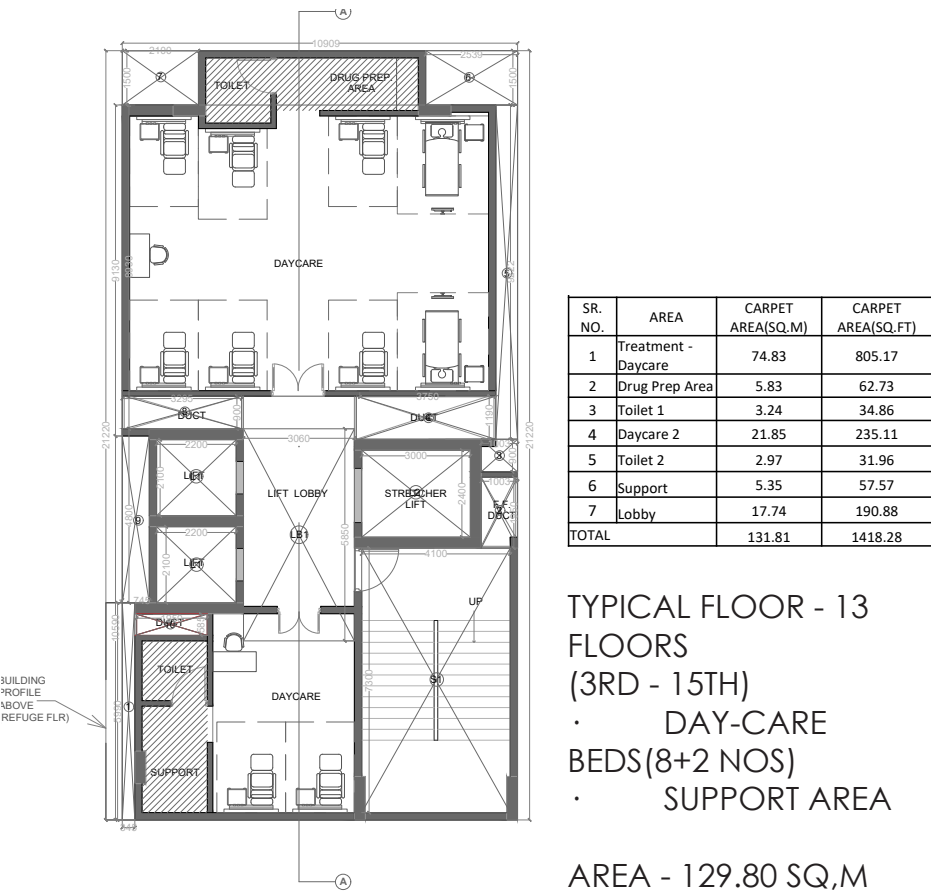
FIRST FLOOR PLAN



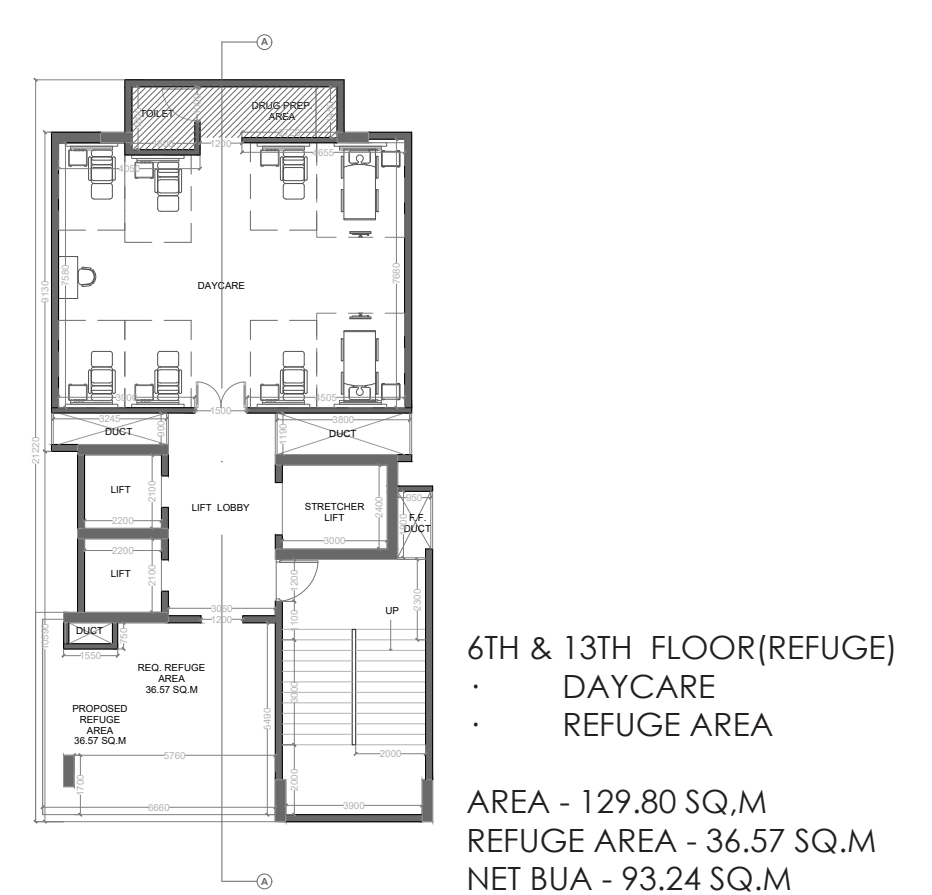
SECOND FLOOR PLAN



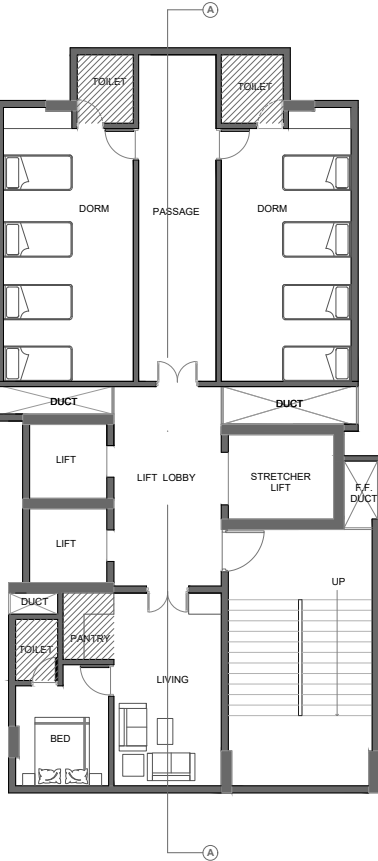
TYPICAL FLOOR PLAN (3RD - 15TH FLOORS)



REFUGE FLOOR PLAN (6TH & 13TH FLOORS)



16TH FLOOR PLAN



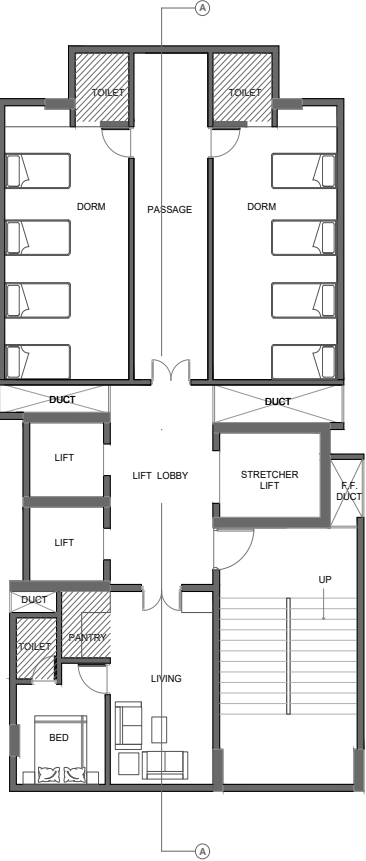
SR. NO.	AREA	CARPET AREA(SQ.M)	CARPET AREA(SQ.FT)
1	Patients dorm 1	27.84	299.56
2	Patients dorm 2	27.74	298.48
3	Passage	20.95	225.42
4	toilet 1	3.41	36.69
5	toilet 2	3.19	34.32
6	Studio Accom/Preventive Oncology	30.35	326.57
7	Lobby	17.74	190.88
TOTAL		131.22	1411.93

16TH FLOOR

- PATENTS RELATIVE DORM
- STUDIO ACCOM/PRE-VENTIVE ONCOLOGY

AREA - 129.80 SQ,M

17TH FLOOR PLAN



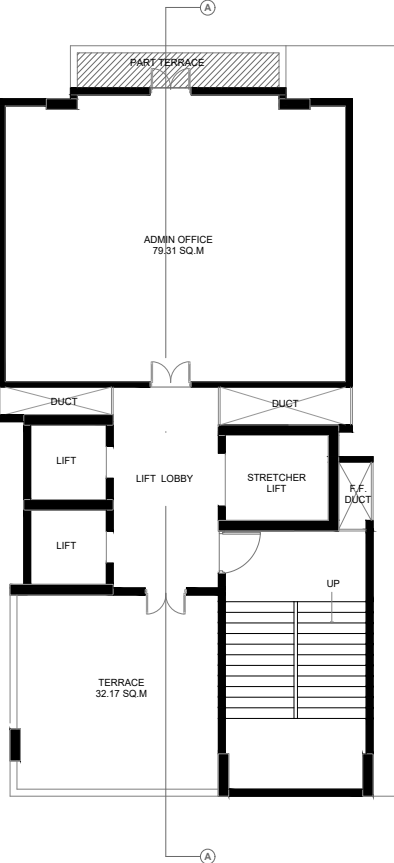
SR. NO.	AREA	CARPET AREA(SQ.M)	CARPET AREA(SQ.FT)
1	Staff dorm 1	27.84	299.56
2	Staff dorm 2	27.74	298.48
3	Passage	20.95	225.42
4	toilet 1	3.41	36.69
5	toilet 2	3.19	34.32
6	Studio Accom	30.35	326.57
7	Lobby	17.74	190.88
TOTAL		131.22	1411.93

17TH FLOOR

- STAFF DORM
- STUDIO ACOMODATION

AREA - 129.80 SQ,M

18TH FLOOR PLAN



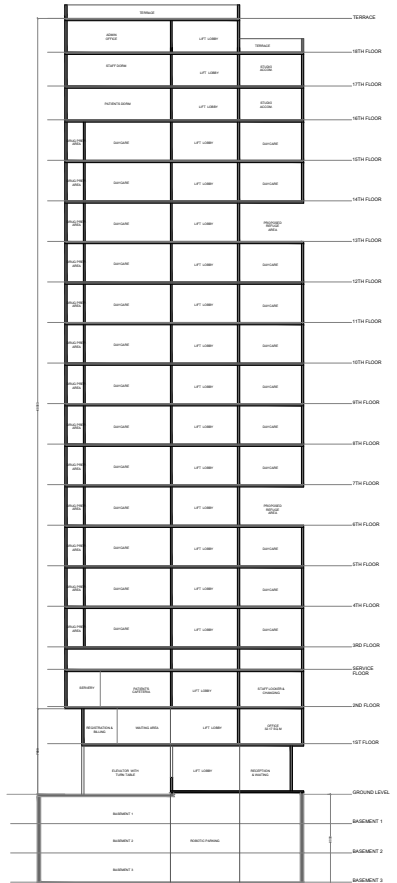
SR. NO.	AREA	CARPET AREA(SQ.M)	CARPET AREA(SQ.FT)
1	Admin office	79.31	853.38
2	Lobby	17.74	190.88
TOTAL		97.05	1044.26

18TH FLOOR

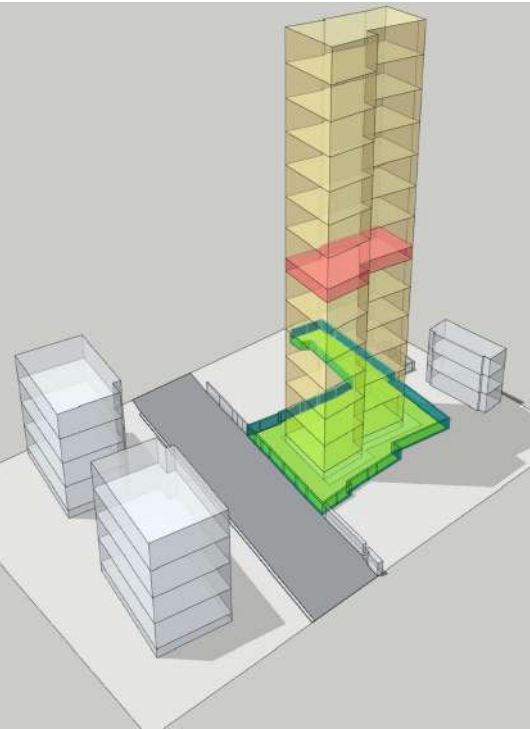
- ADMIN OFFICE
- TERRACE

AREA - 129.80 SQ,M

SECTION AA



CONCEPTUAL STACKING



10 TOPIWALA MARKET

SITE PLAN

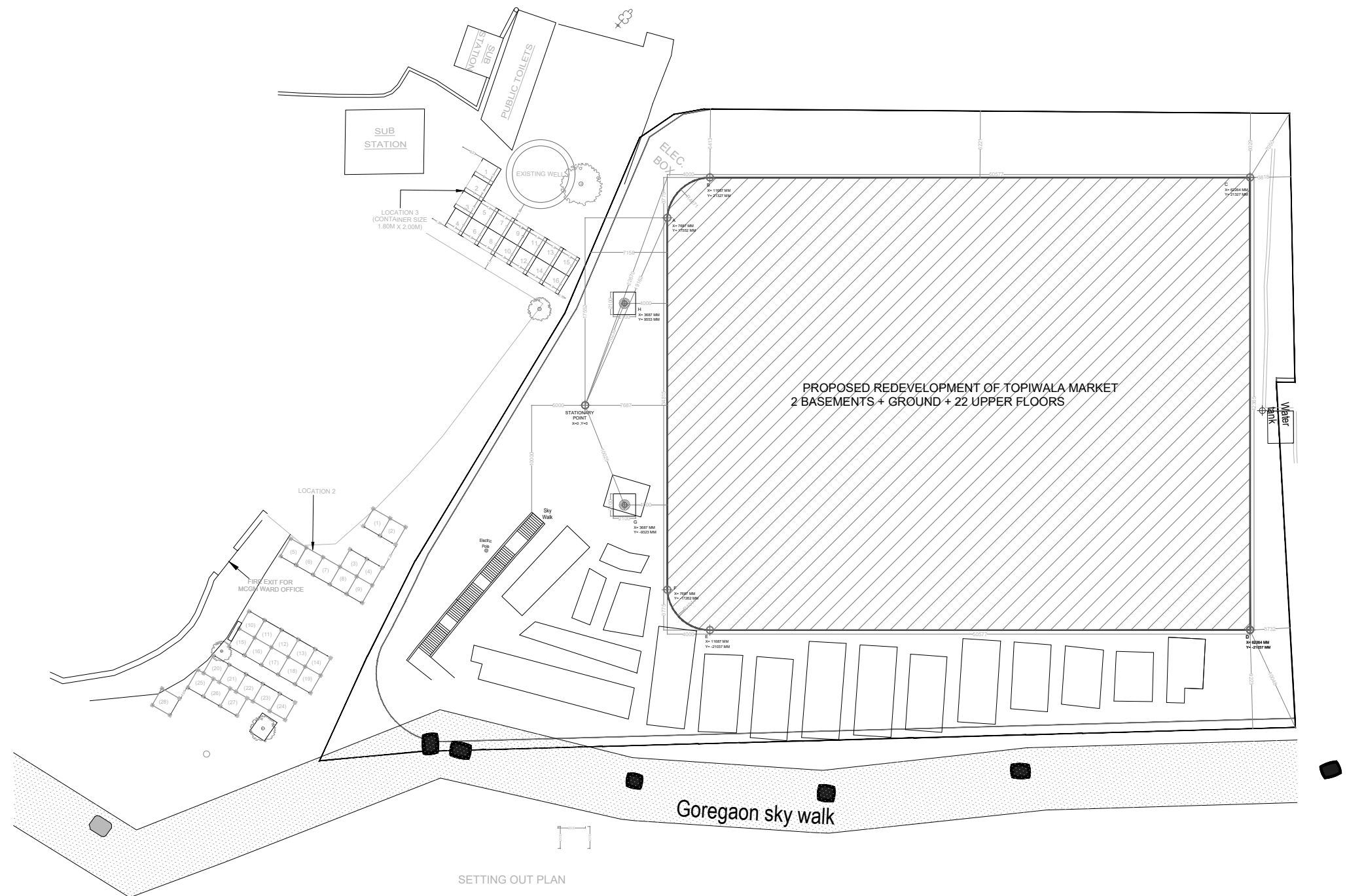
LOCATION : GOREGOAN, MUMBAI.

PROJECT TYPE : COMMERCIAL

PROJECT STATUS : WORK-IN-PROGRESS

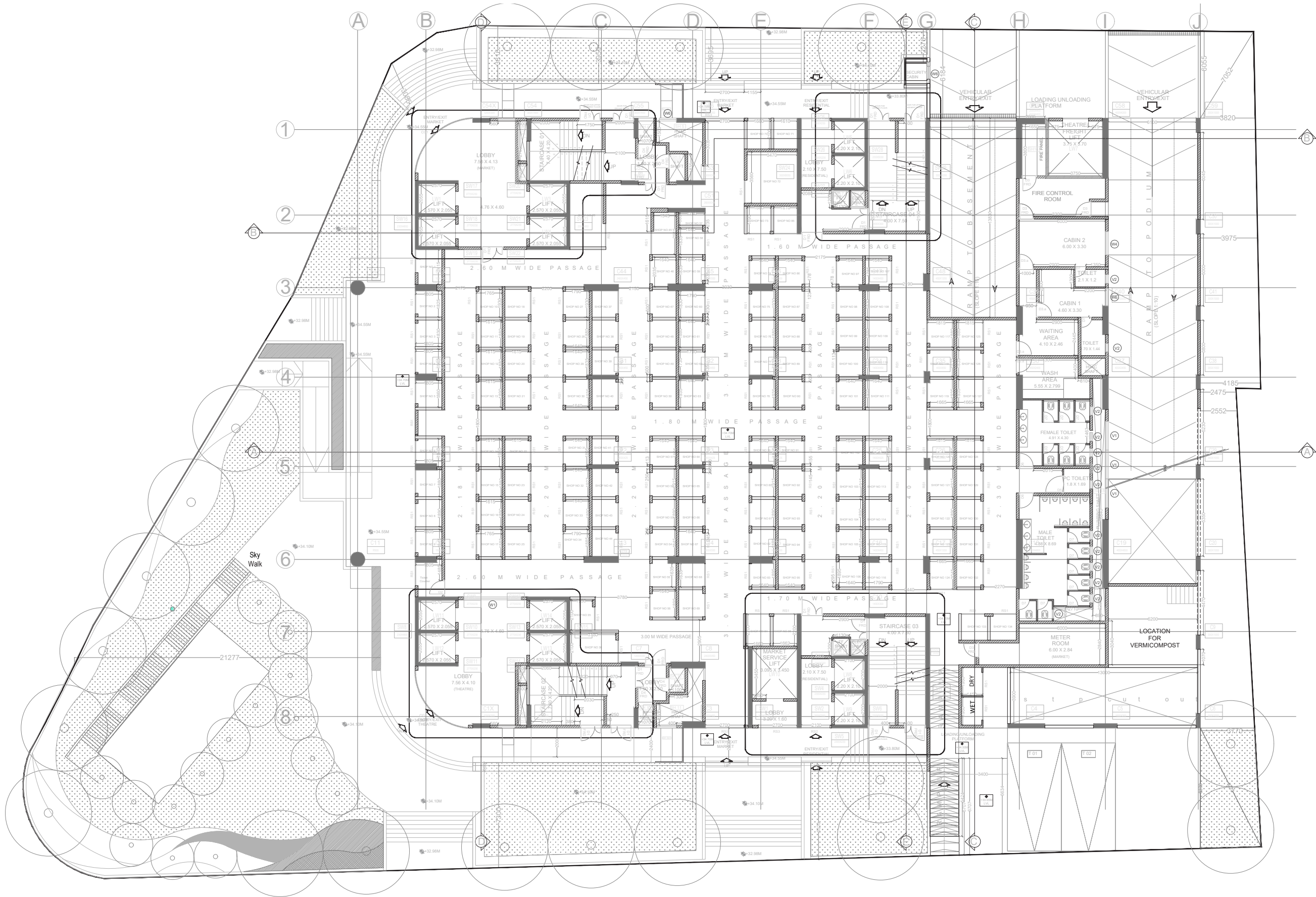
The project comprehends as a 16 storey structure with 2 basements, g+1 market, 3 floors of podium parking, 4 auditorium floors, a service floor, a recreational floor and 7 residential floors. With a plot area of 4401.40 Sqm and a bua of 18960.98 Sqm. Which is aided with 3 additional form for future extension. Located near the goregoan railway station.

Drafting of staircase sections, generation of door / window / shaft schedule, revision of floor plans based on the schedule.



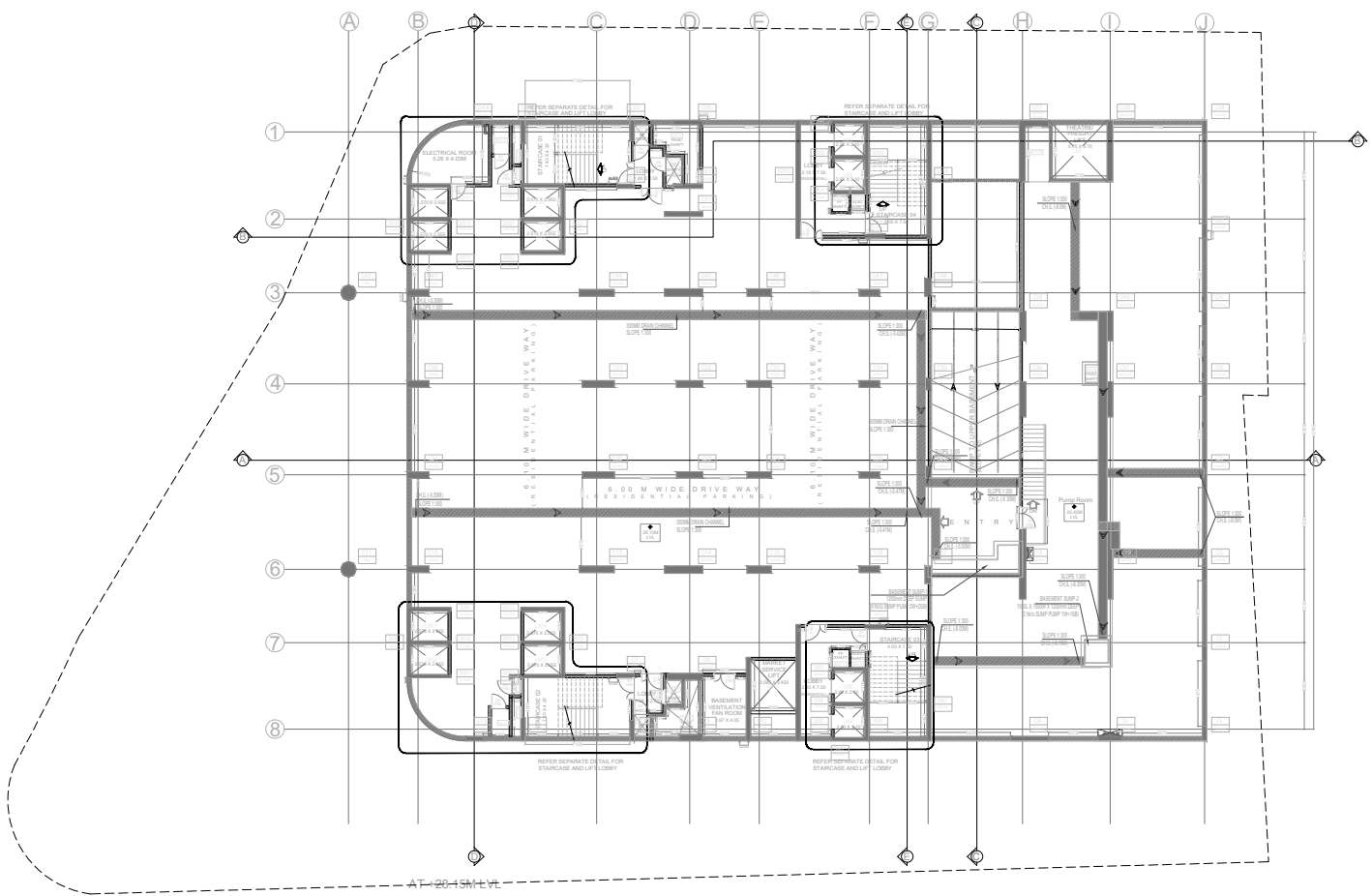
The structure uprights to a height of 65.85 M with 182 slots of parking, 219 market shops, a capacity of 800 auditorium seats and 53 nos of residential flats as 70 sqm each. Is supported by 14 lifts and 4 staircases,

SITE PLAN

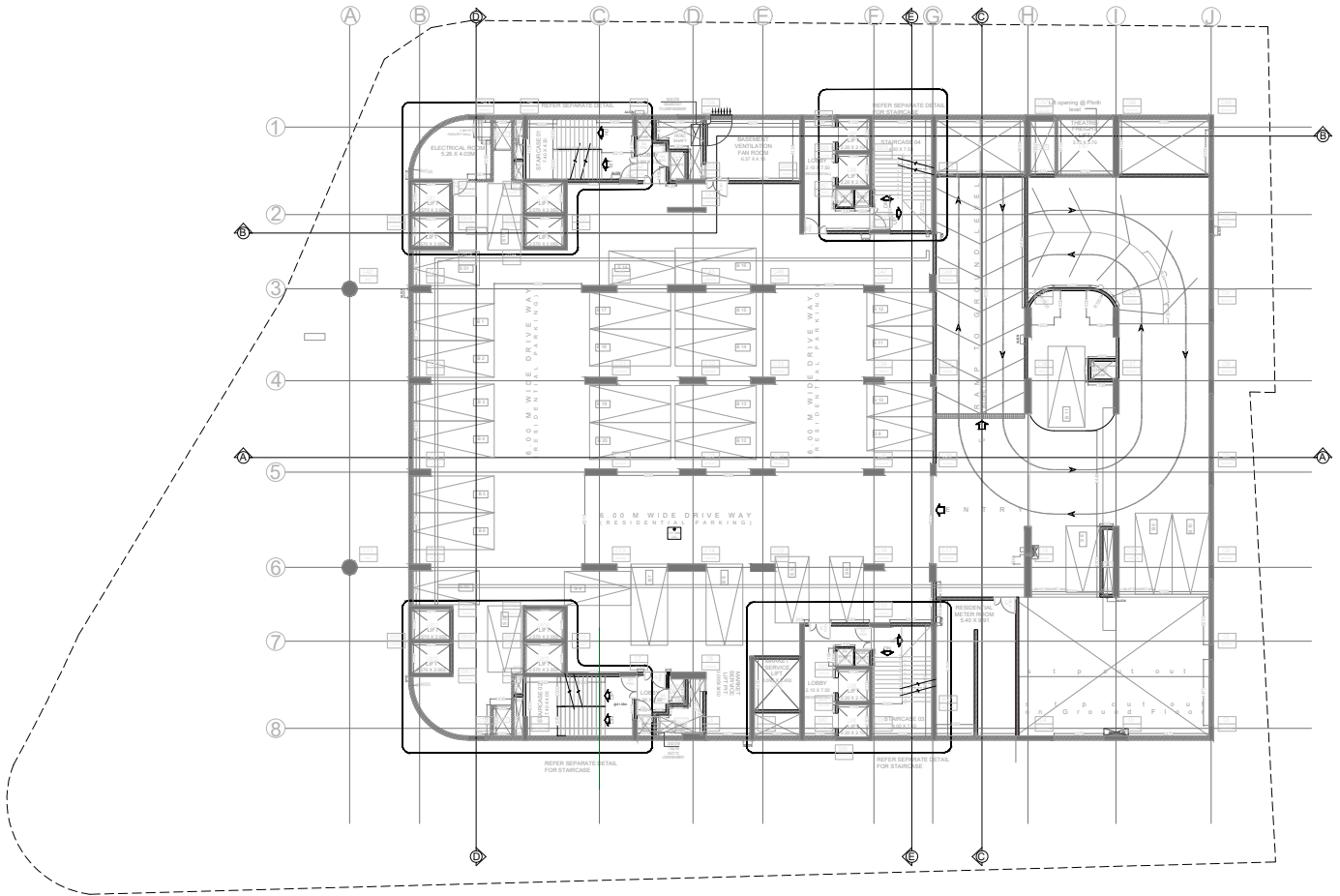


LOWER BASEMENT FLOOR PLAN

UPPER BASEMENT FLOOR PLAN

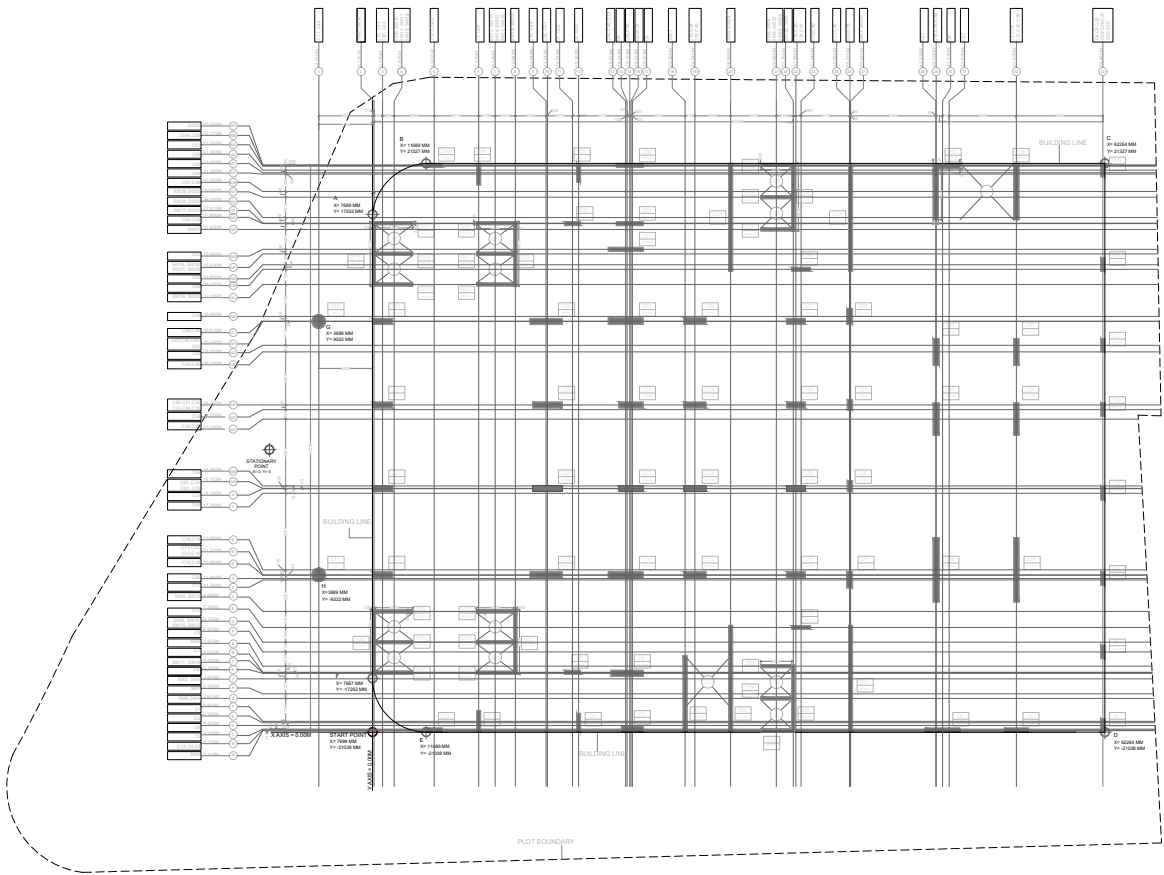


NUMBER OF CARS		
NO. OF SMALL CARS	2.3M X 4.5M	15
NO. OF BIG CARS	2.5M X 5.5M	17
TOTAL		32

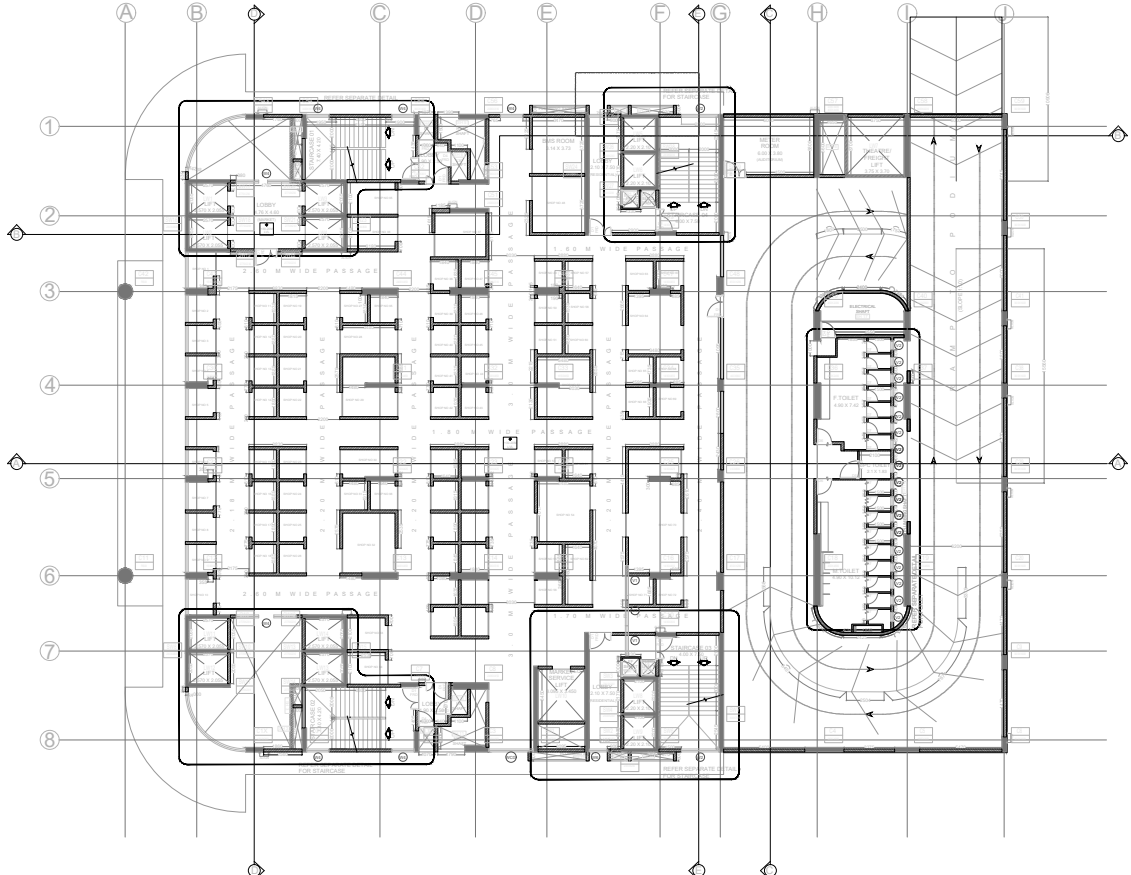


NUMBER OF CARS		
NO. OF SMALL CARS	2.3M X 4.5M	15
NO. OF BIG CARS	2.5M X 5.5M	20
TOTAL		36

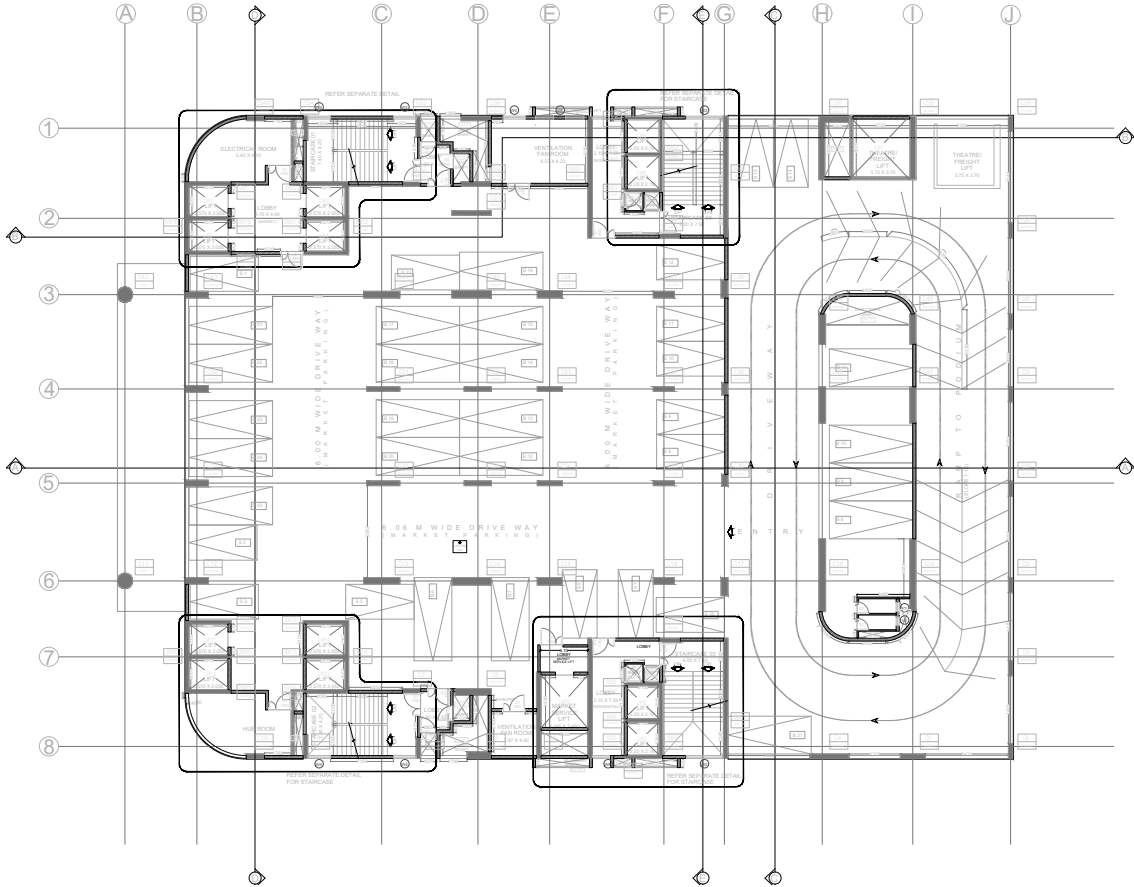
CENTERLINE PLAN



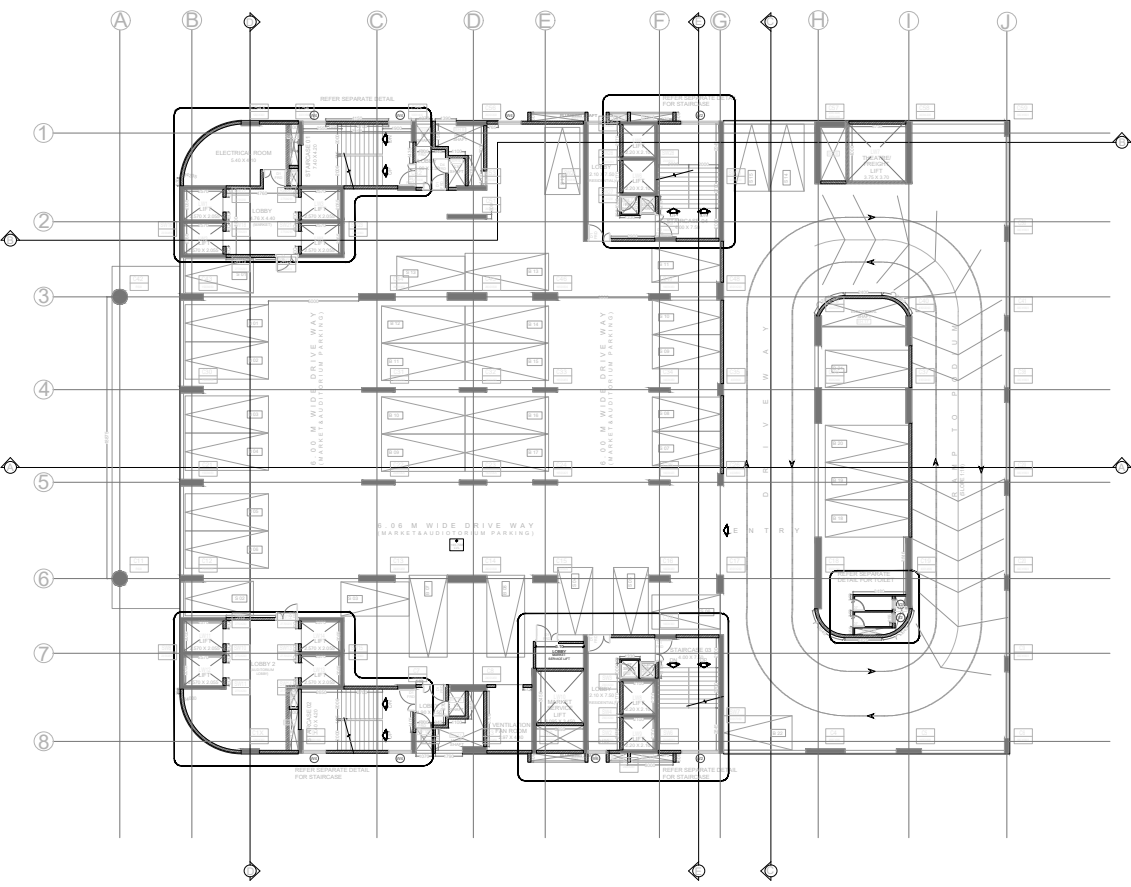
FIRST FLOOR PLAN



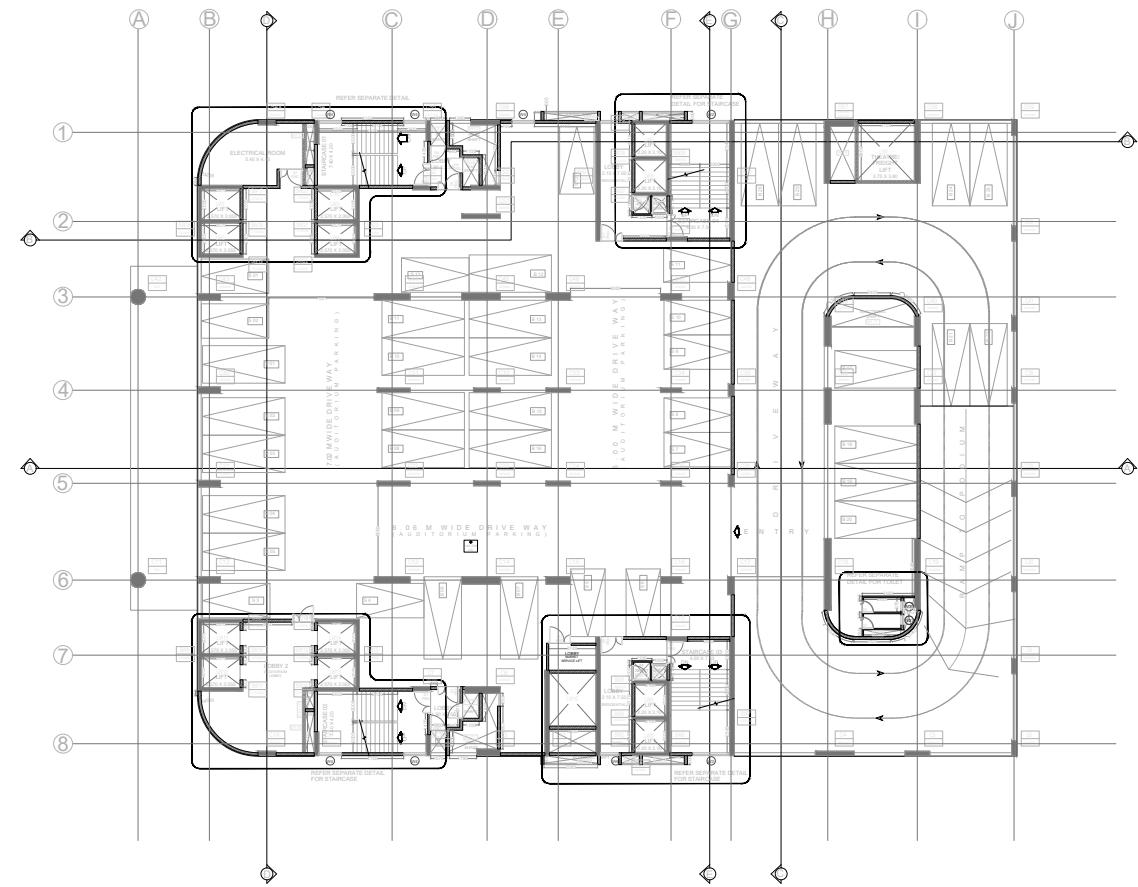
SECOND FLOOR PLAN



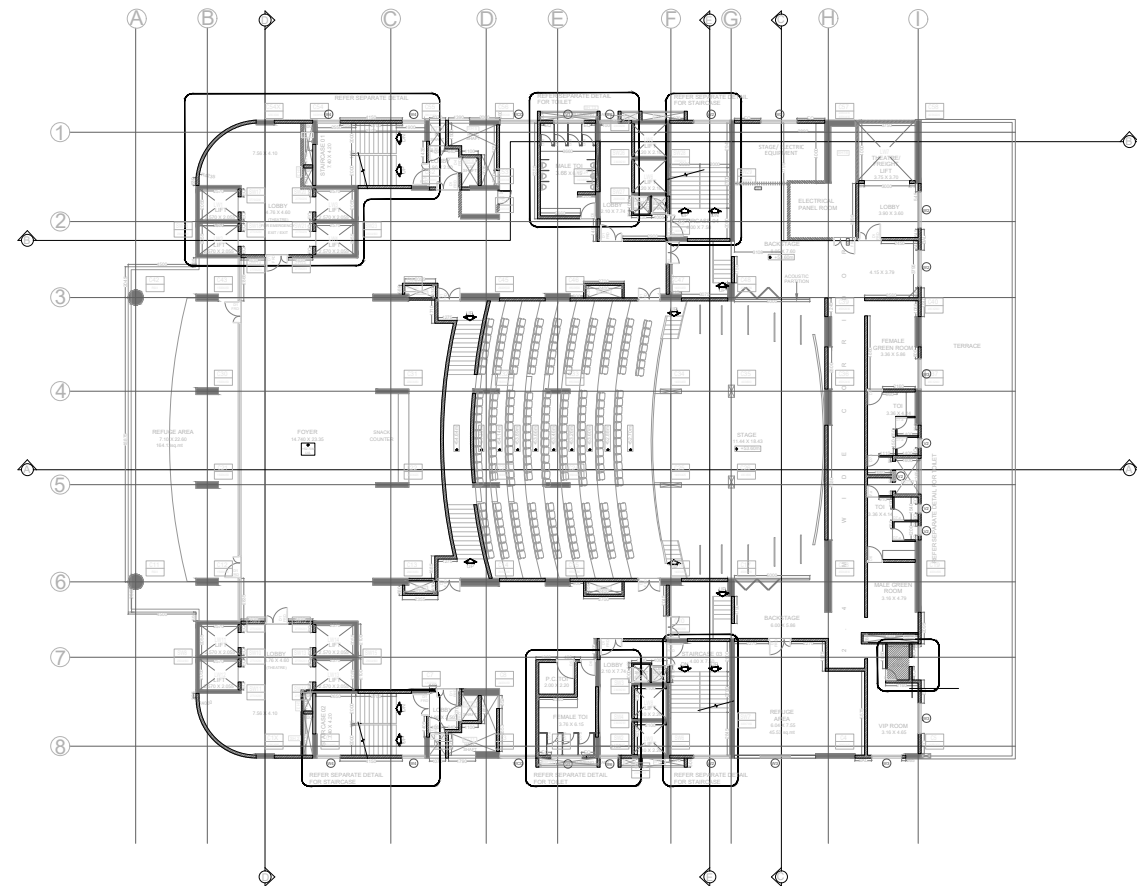
THIRD FLOOR PLAN



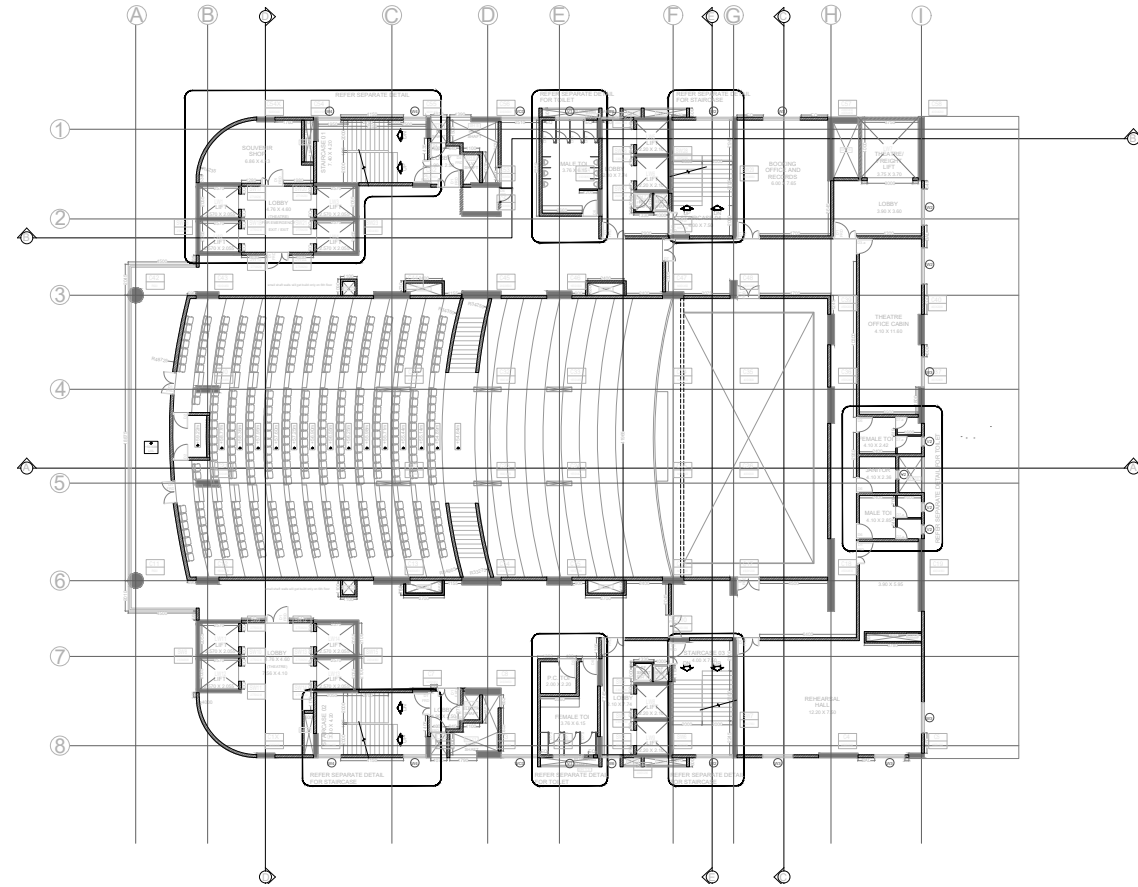
FOURTH FLOOR PLAN



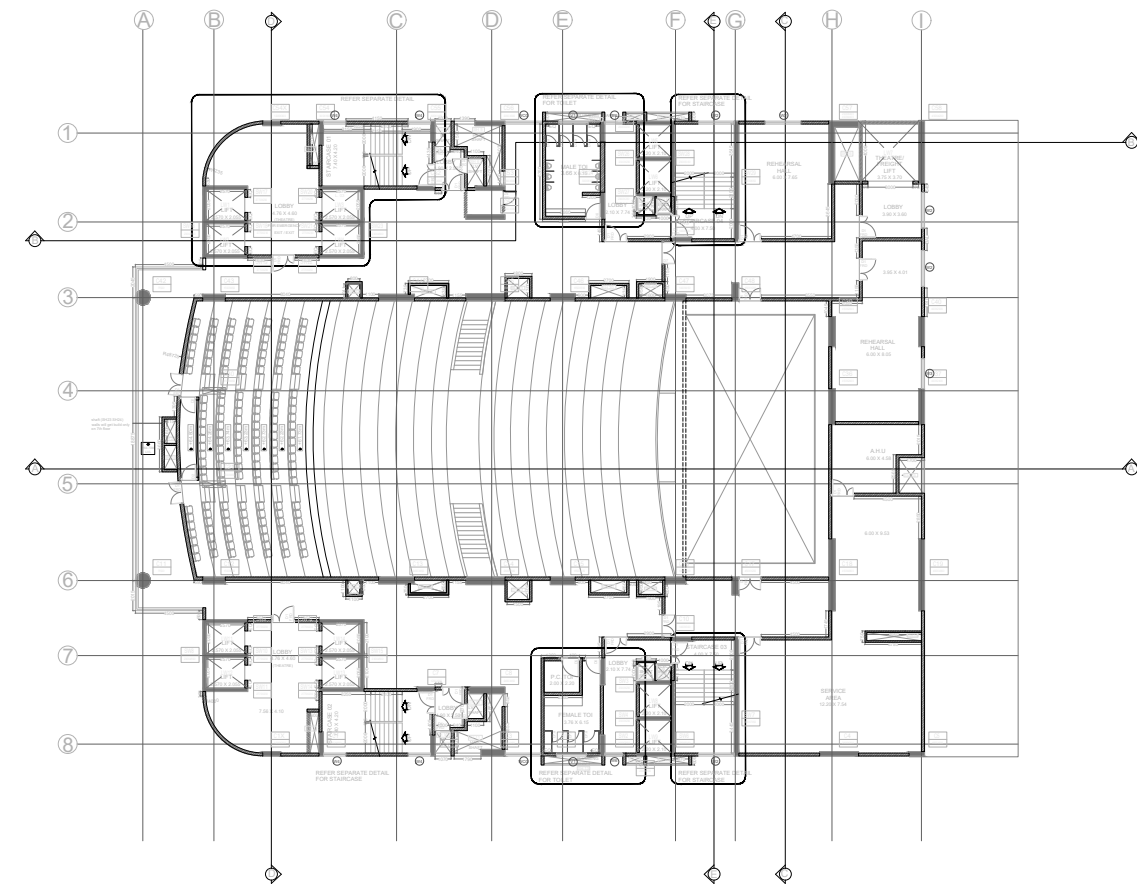
FIFTH FLOOR PLAN



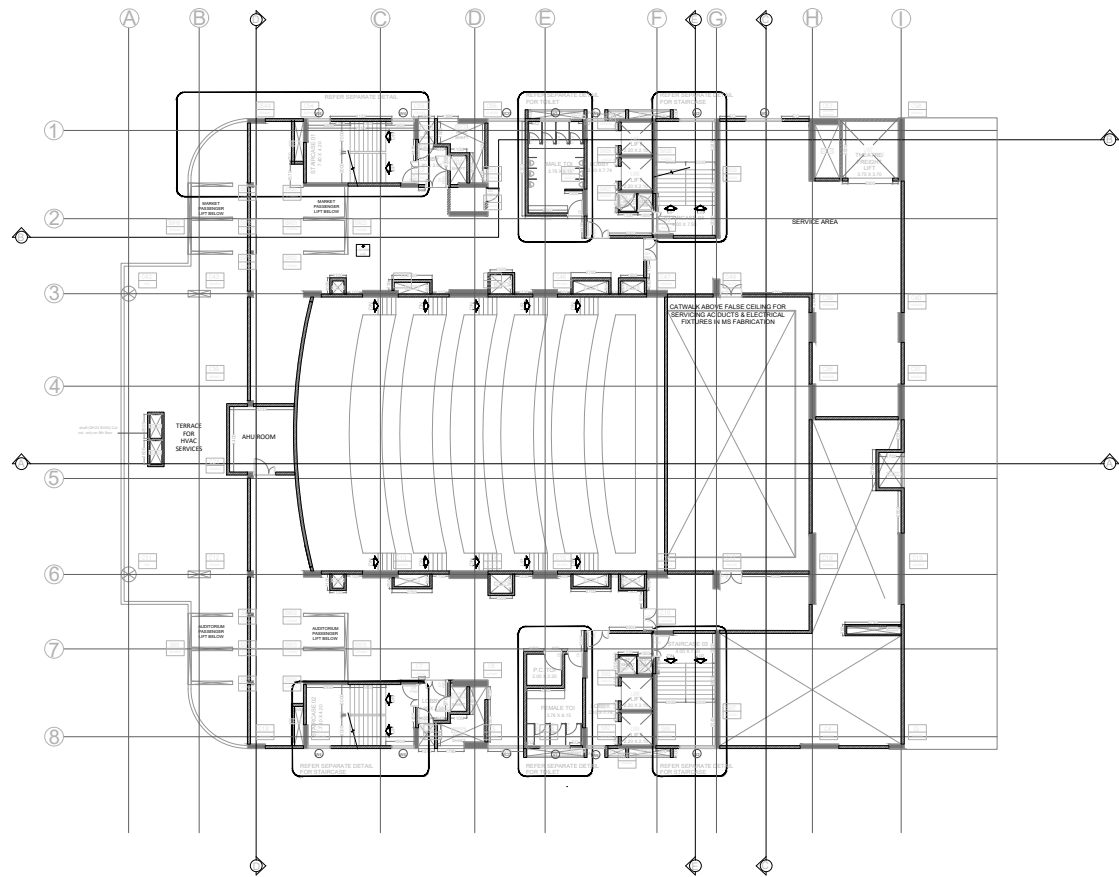
SIXTH FLOOR PLAN



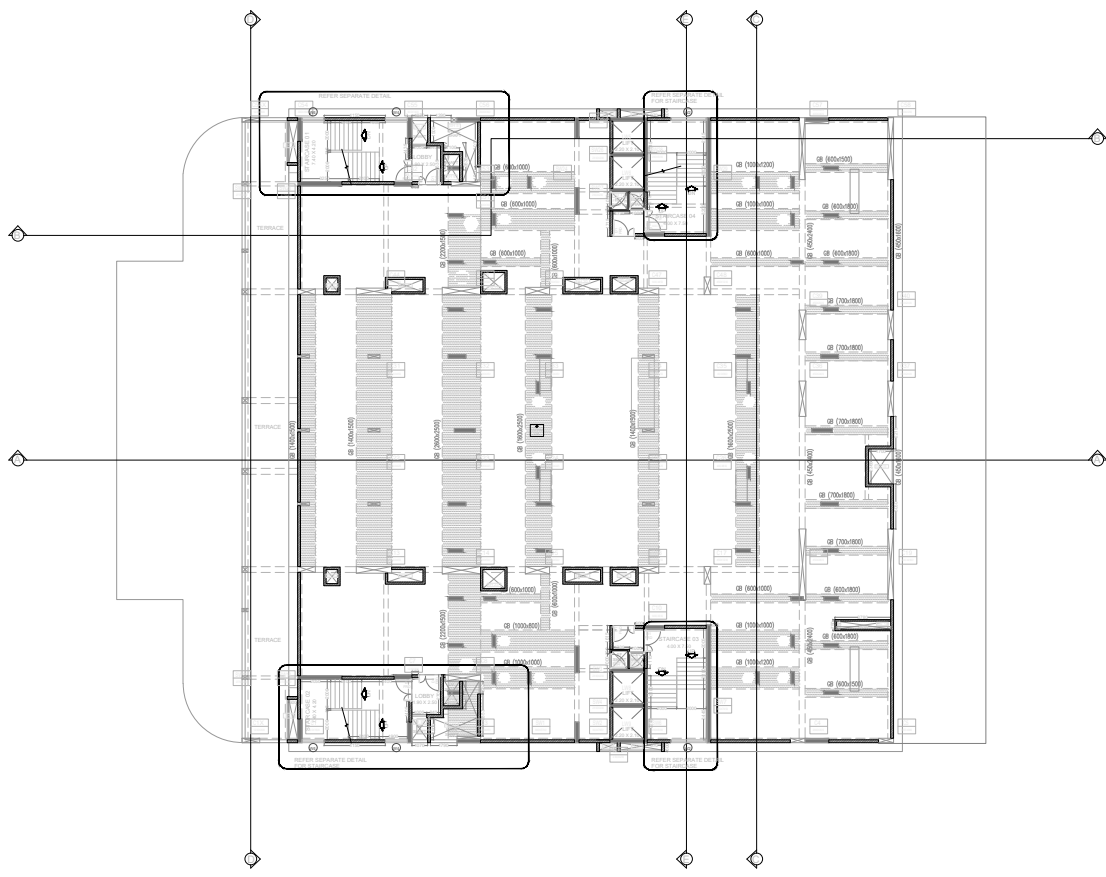
SEVENTH FLOOR PLAN



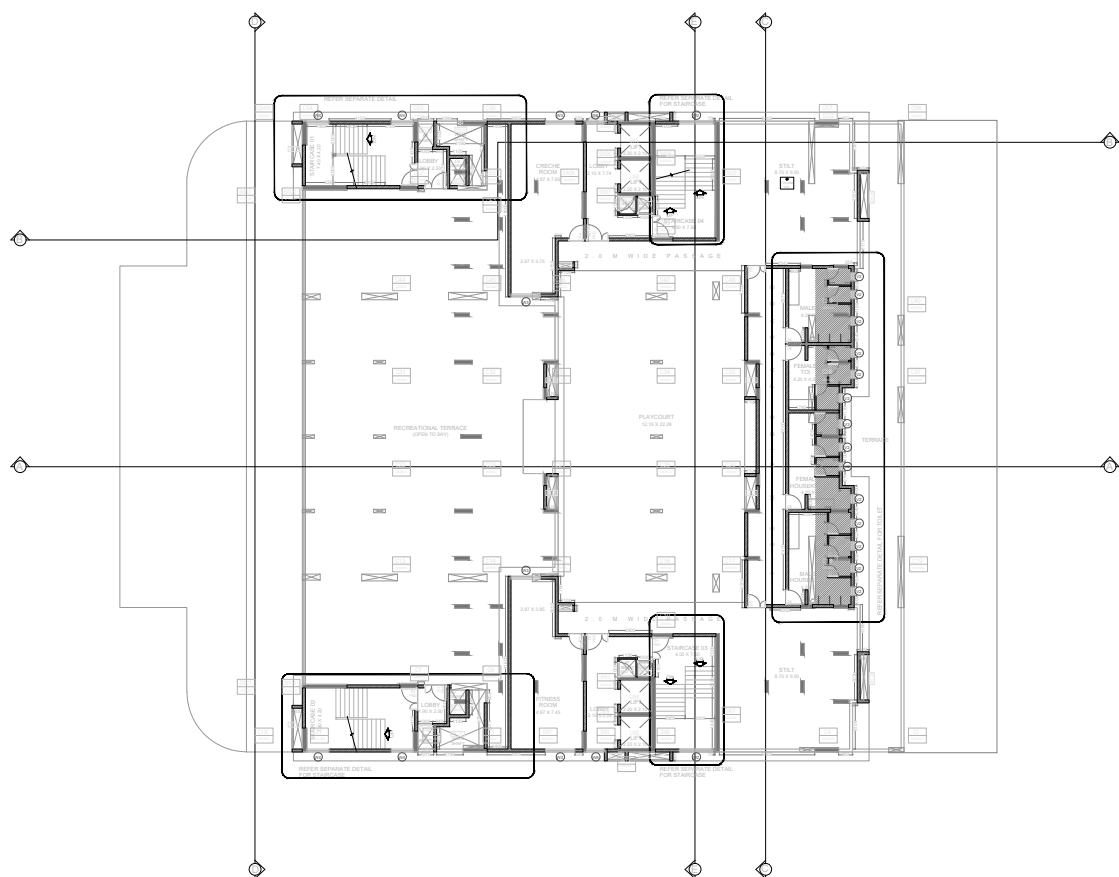
EIGHTH FLOOR PLAN



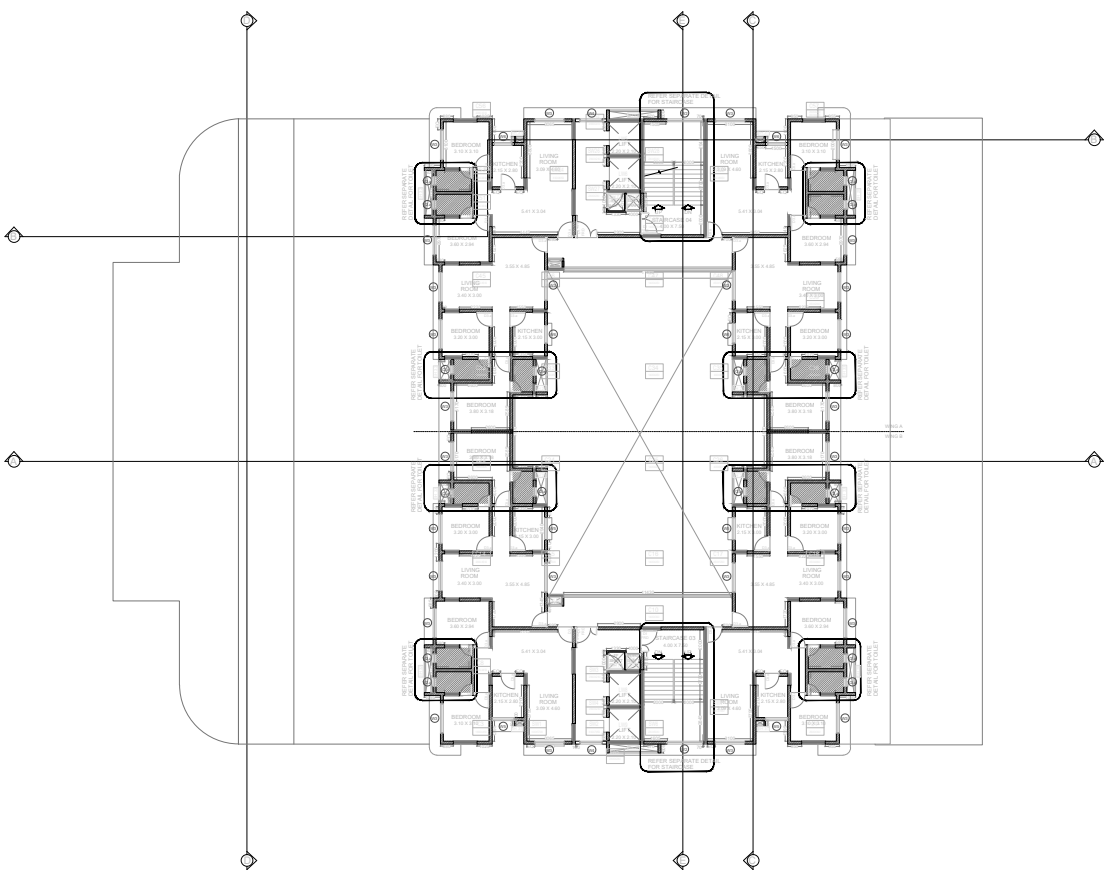
SERVICE FLOOR PLAN



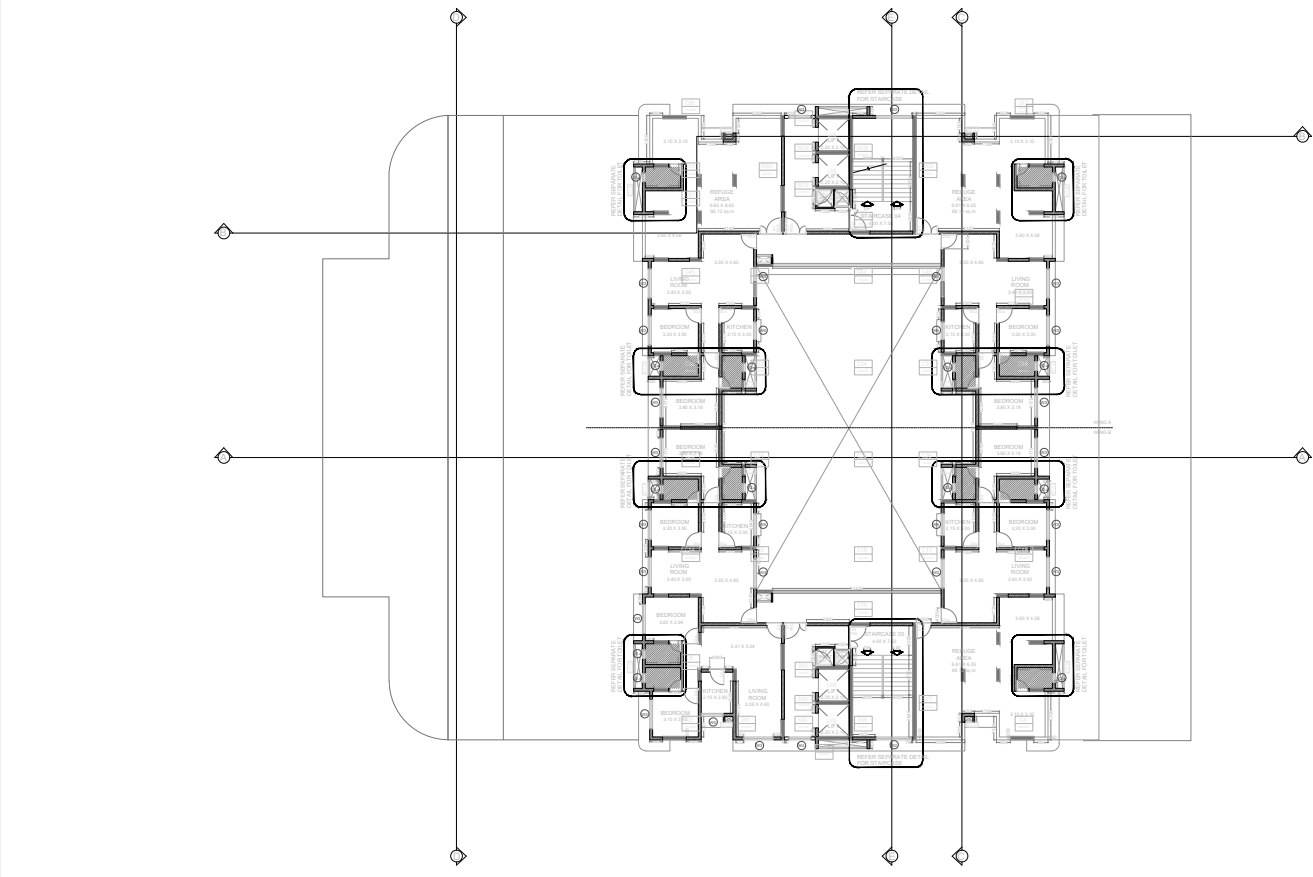
NINTH FLOOR PLAN



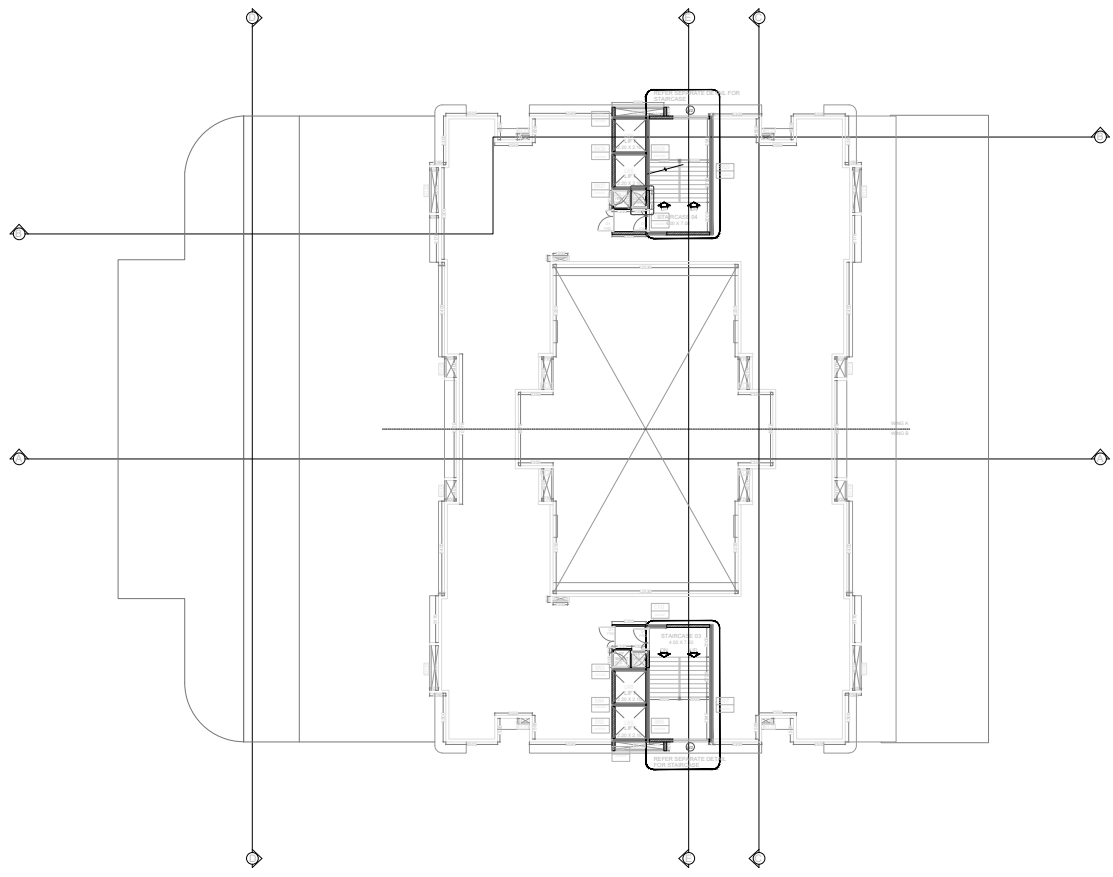
TYPICAL FLOOR PLAN



TENTH FLOOR PLAN



TERRACE FLOOR PLAN



DOOR SCHEDULE

NO.	SIZE	DESCRIPTION	LINTEL
D1 (FRD)	1500MM X 2400MM	FRD STAIRCASE LOBBY	2400MM
D1.a	1000MM X 2400MM	REGULAR	2400MM
D1.b (FRD)	1000MM X 2100MM	SERVICE FLOOR	2400MM
D2	1200MM X 2400MM	THEATRE -ACOUSTIC	2400MM
D3 (FRD)	1000MM X 2400MM	FRD ELECTRICAL ROOM	2400MM
D3.a	1000MM X 2400MM	REGULAR	2400MM
D3.b	1000MM X 2400MM	WITH LOUVER	2400MM
D4 (FRD)	1000MM X 2100MM	FRD SHAFT DOOR / SILL 300MM	2400MM
D4.a (o.p)	1000MM X 2100MM	WITH VIEWING GLASS BEADING PATTI	2400MM
D5	1200MM X 2100MM	PC TOILET	2100MM
D6	1000MM X 2100MM	TOILET MAIN DOOR	2100MM
D7	750MM X 2100MM	TOILET DOOR	2100MM
D7.a	750MM X 2100MM	TOILET PARTITION DOOR	2100MM
RS1	1600MM X 2400MM	SHOPS	2400MM
RS2	1600MM X 2400MM	SHOPS	2400MM
RS3	1600MM X 2400MM	SHOPS	2400MM
CG1	1600MM X 2400MM	GROUND FLOOR GATE	2400MM

WALL SCHEDULE

	300 MM THICK RCC RETAINING WALL
	200 MM THICK MASONRY
	100 MM THICK MASONRY
	200 MM THICK MASONRY (HT-1200mm) WITH MS GRILL

WINDOW SCHEDULE

NO.	SIZE	DESCRIPTION	SILL HT	LINTEL
W1	4000MM X 2200MM	ALUMINUM FRAME GLAZED WINDOW	200MM	2400MM
W2	2400MM X 1500MM	ALUMINUM FRAME GLAZED WINDOW	800MM	2300MM
W3	2000MM X 1500MM	ALUMINUM FRAME GLAZED WINDOW	200MM	2300MM
W4	1500MM X 1500MM	ALUMINUM FRAME GLAZED WINDOW	800MM	2300MM
W5	1500MM X 1200MM	ALUMINUM FRAME GLAZED WINDOW	900MM	2100MM
W6	1200MM X 1500MM	ALUMINUM FRAME GLAZED WINDOW	800MM	2300MM
V1	2000MM X 600MM	ALUMINUM FRAMED VENTILATOR	1800MM	2100MM
V2	600MM X 900MM	ALUMINUM FRAMED VENTILATOR	1200MM	2100MM
V2. a	600MM X 900MM	ALUMINUM FRAMED VENTILATOR	1200MM	2100MM

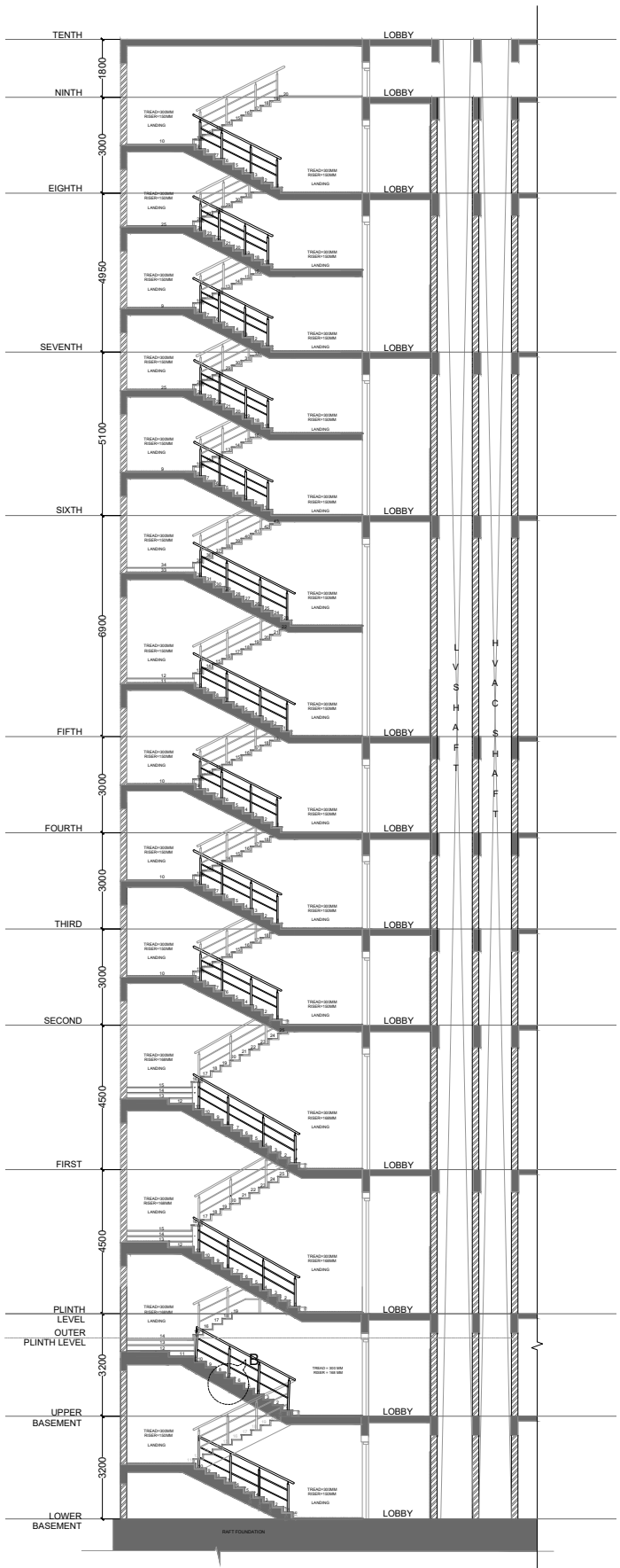
LIFT SCHEDULE

LIFT NO.	USER	SIZE	CAPACITY	DESCRIPTION	EMERGENCY LANDING
LIFT 1	MARKET PASS.	2.60M X 2.10M	20 PEOPLE	STOPS AT GROUND, FIRST, SECOND, FOURTH & FIFTH FLOOR	N.A.
LIFT 2	MARKET PASS.	2.60M X 2.10M	20 PEOPLE		
LIFT 3	MARKET PASS.	2.60M X 2.10M	20 PEOPLE		
LIFT 4	MARKET PASS.	2.60M X 2.10M	20 PEOPLE		
LIFT 5	RESIDENTIAL PASS.	2.20M X 2.10M	14 PEOPLE	STOPS AT LOWER BASEMENT, UPPER BASEMENT, GROUND, THIRD & TWELFTH FLOOR ONWARDS ON EACH FLOOR	STOPS AT SEVENTH, NINTH, ELEVENTH FLOOR
LIFT 6	RESIDENTIAL PASS.	2.20M X 2.10M	14 PEOPLE		
LIFT 8	RESIDENTIAL PASS.	2.20M X 2.10M	14 PEOPLE		
LIFT 9	RESIDENTIAL PASS.	2.20M X 2.10M	14 PEOPLE		
LIFT 7	AUDITORIUM SERVICE	3.75M X 3.75M	STAGE EQUIPMENTS	STOPS AT GROUND, EIGHTH, NINTH, TENTH & ELEVENTH FLOOR	STOPS AT THIRD & SIXTH FLOOR
LIFT 10	MARKET SERVICE	3.20M X 3.50M	MERCANTILE GOODS	STOPS AT GROUND, FIRST, SECOND, FOURTH & FIFTH FLOOR	N.A.
LIFT 11	AUDITORIUM PASS.	2.60M X 2.10M	20 PEOPLE	STOPS AT GROUND, SIXTH, SEVENTH, EIGHTH, NINTH & TENTH FLOOR	STOPS AT THIRD FLOOR
LIFT 12	AUDITORIUM PASS.	2.60M X 2.10M	20 PEOPLE		
LIFT 13	AUDITORIUM PASS.	2.60M X 2.10M	20 PEOPLE		
LIFT 14	AUDITORIUM PASS.	2.60M X 2.10M	20 PEOPLE		

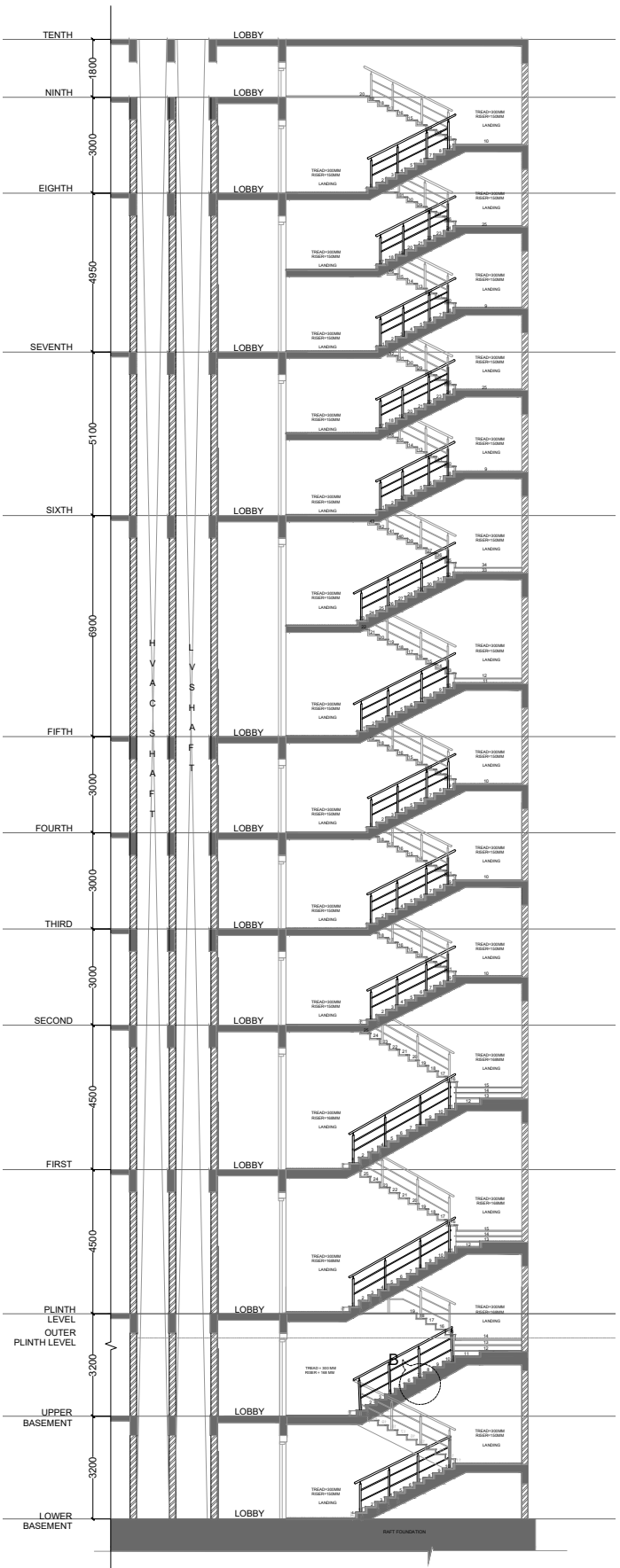
SHAFT SCHEDULE

NO.	SIZE	START POINT	END POINT	USE	REMARK	LOCATION
SHAFT 1	1200MM x 2000MM	LOWER BASEMENT	UPPER BASEMENT	FIRE FIGHTING	INTERNAL SHAFT	STAIRCASE 01
SHAFT 2	2765MM X 600MM	LOWER BASEMENT	NINTH FLOOR	HVAC	INTERNAL SHAFT	STAIRCASE 01
SHAFT 3	600MM X 1200MM	LOWER BASEMENT	FIFTH FLOOR	LV SHAFT	INTERNAL SHAFT	STAIRCASE 01
SHAFT 4	1070MM X 1400MM	LOWER BASEMENT	NINTH FLOOR	FIRE FIGHTING	INTERNAL SHAFT	STAIRCASE 01
SHAFT 5	3190MM X 4035MM	LOWER BASEMENT	NINTH FLOOR	HVAC	INTERNAL SHAFT	STAIRCASE 01
SHAFT 6	1100MM X 1935MM	LOWER BASEMENT	NINTH FLOOR	LV SHAFT	INTERNAL SHAFT	STAIRCASE 01
SHAFT 7	1130MM X 1200MM	LOWER BASEMENT	TERRACE	FIRE FIGHTING	INTERNAL SHAFT	STAIRCASE 04
SHAFT 8	1000MM X 1016MM	LOWER BASEMENT	TERRACE	ELECTRICAL	INTERNAL SHAFT	STAIRCASE 04
SHAFT 9	1700MM X 1200MM	LOWER BASEMENT	UPPER BASEMENT	HVAC	INTERNAL SHAFT	PARKING
SHAFT 10	1100MM X 1671MM	8TH FLOOR	NINTH FLOOR	LV SHAFT	INTERNAL SHAFT	STAIRCASE 02
SHAFT 11	3190MM X 3706MM	8TH FLOOR	NINTH FLOOR	HVAC	INTERNAL SHAFT	STAIRCASE 02
SHAFT 12	1070MM X 1400MM	9TH FLOOR	NINTH FLOOR	FIRE FIGHTING	INTERNAL SHAFT	STAIRCASE 02
SHAFT 13	3880MM X 500MM	4TH FLOOR	EIGHTH FLOOR	PLUMBING	EXTERNAL SHAFT	TOILET
SHAFT 14	3560MM X 500MM	5TH FLOOR	SERVICE FLOOR	HVAC	INTERNAL SHAFT	SERVICE AREA
SHAFT 15	4400MM X 695MM	1ST FLOOR	TERRACE FLOOR	HVAC	EXTERNAL SHAFT	PARKING
SHAFT 16	1650MM X 3800MM	LOWER BASEMENT	EIGHTH FLOOR	ELECTRICAL	INTERNAL SHAFT	THEATRE LIFT
SHAFT 17	694MM X 2315MM	1ST FLOOR	FOURTH FLOOR	ELECTRICAL	INTERNAL SHAFT	PARKING
SHAFT 18	2710MM X960MM 690MM X16840MM	GROUND FLOOR	FOURTH FLOOR	PLUMBING	INTERNAL SHAFT	TOILET
SHAFT 19	1600MM X2365MM	5TH FLOOR	SERVICE FLOOR	PLUMBING	INTERNAL SHAFT	AHU
SHAFT 20	2400MM X 830MM	13TH FLOOR	SERVICE FLOOR	PLUMBING	INTERNAL SHAFT	AUDITORIUM
SHAFT 21	2055MM X 730MM	13TH FLOOR	SERVICE FLOOR	PLUMBING	INTERNAL SHAFT	AUDITORIUM
SHAFT 22	800MM X 941MM	6TH FLOOR	SERVICE FLOOR		INTERNAL SHAFT	AUDITORIUM
SHAFT 23	1500MM X 1300MM	7TH FLOOR	SERVICE FLOOR	FIRE PRESSURIZATION	INTERNAL SHAFT	AUDITORIUM
SHAFT 24	1600MM X 890MM	7TH FLOOR	SERVICE FLOOR	STAIRCASE PRESSURIZATION	INTERNAL SHAFT	AUDITORIUM
SHAFT 25	808MM X 1606MM	EIGHTH FLOOR	EIGHTH FLOOR	STAIRCASE PRESSURIZATION	EXTERNAL SHAFT	AUDITORIUM
SHAFT 26	1200MM X 460MM	1STFLOOR	NINTH FLOOR	STAIRCASE PRESSURIZATION	EXTERNAL SHAFT	LIFT
SHAFT 27	2800MM X 970MM	1ST FLOOR	TERRACE	STAIRCASE PRESSURIZATION	EXTERNAL SHAFT	LIFT
SHAFT 28	500MM X 3030MM	9TH FLOOR	TERRACE	PLUMBING	EXTERNAL SHAFT	TOILET
SHAFT 29	670MM X 2200MM	9TH FLOOR	TERRACE	PLUMBING	EXTERNAL SHAFT	TOILET
SHAFT 30	1000MM X 495MM	TYPICAL FLOOR	TERRACE	STAIRCASE PRESSURIZATION	INTERNAL SHAFT	PASSAGE
SHAFT 31	550MM X 300MM	TYPICAL FLOOR	TERRACE	STAIRCASE PRESSURIZATION	EXTERNAL SHAFT	REFUGE
SHAFT 32	500MM X 3025MM	TYPICAL FLOOR	TERRACE	PLUMBING	EXTERNAL SHAFT	TOILET
SHAFT 33	700MM X 1400MM	TYPICAL FLOOR	TERRACE	PLUMBING	EXTERNAL SHAFT	TOILET

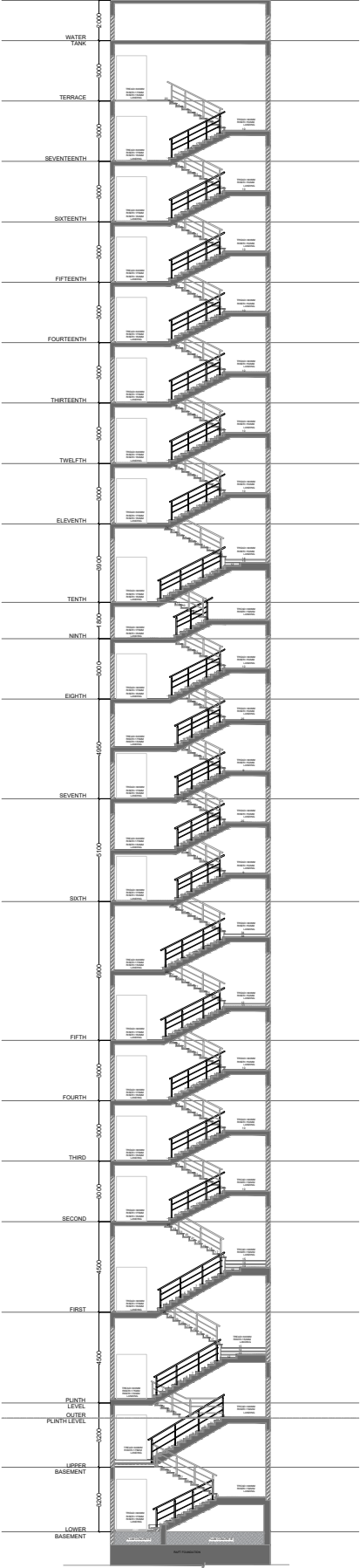
STAIRCASE 01 - SECTION



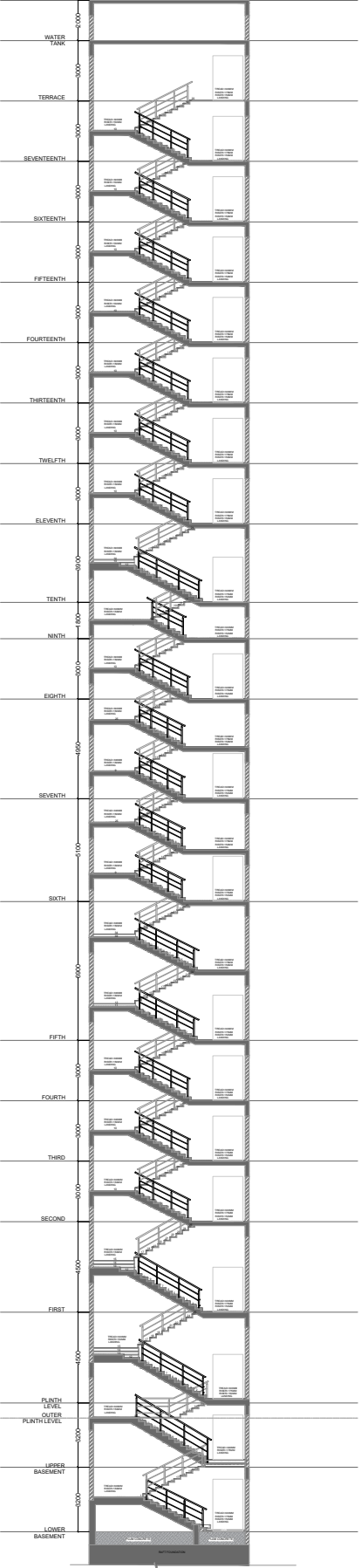
STAIRCASE 02 - SECTION



STAIRCASE 03 - SECTION



STAIRCASE 01 - SECTION



SITE VISIT

CENTERLINE AND THE SIZE ALIGNMENT WAS CHECKED FOR THE COLUMNS, SITUATED ON THE RAFT FOUNDATION AT LOWER BASEMENT LEVEL



SHORE PILLING



HALF THE BASEMENT WAS SUPPORTED BY THE SHORE PILLING AS A MEASURE TO PREVENT GROUND SUBSIDENCE WHILE EXCAVATING FOR DEEP FOUNDATION OF A SUPER STRUCTURE



THE CENTERLINE MEASUREMENT CHECKING WAS DONE TO UNDERSTAND THE EXACT POSITIONING OF A COLUMN ON SITE. THE COLUMN MAY BE OF DIFFERENT DIMENSIONS BUT MAY HAVE THE SAME CENTERLINE.

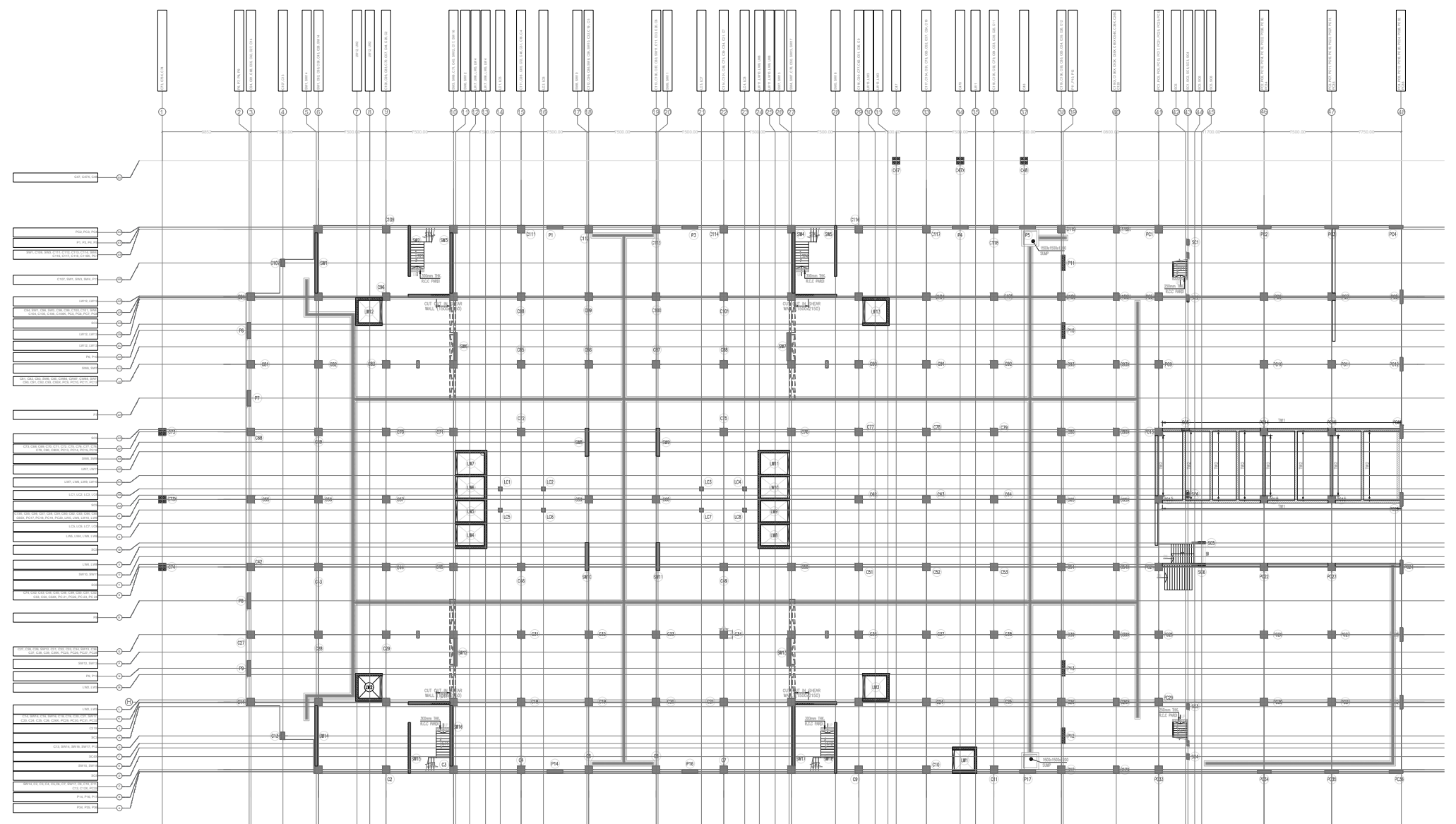
LOCATION : GOREGOAN, MUMBAI.

PROJECT TYPE : COMMERCIAL

PROJECT STATUS : WORK-IN-PROGRESS

The layout and architecture of a health center can improve the lives of patients. The g+9 storey structure is designed in a way to solve the some of the industry's most urgent challenges.

Drafting of centerline plan, generation of model, preparation of room data sheet.



CENTERLINE PLAN

12 SIES KAMAKSHI NILAYAM

LOCATION : NERUL, NAVI MUMBAI.

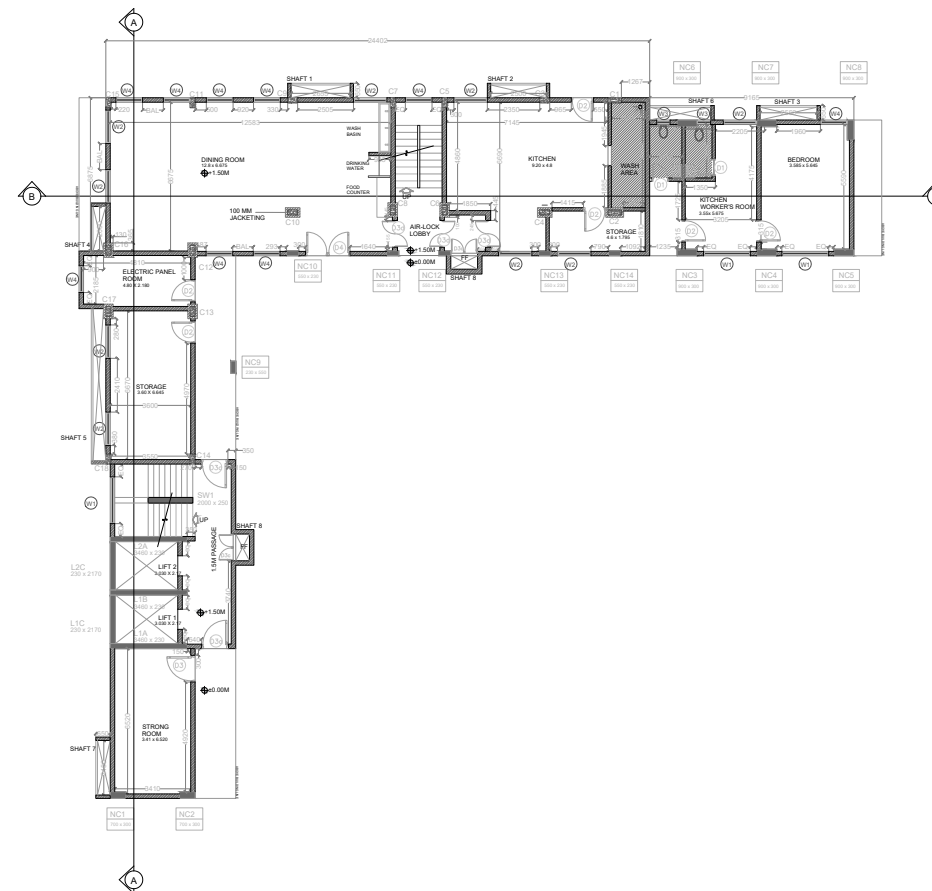
PROJECT TYPE : REFURBISHMENT

PROJECT STATUS : WORK-IN-PROGRESS

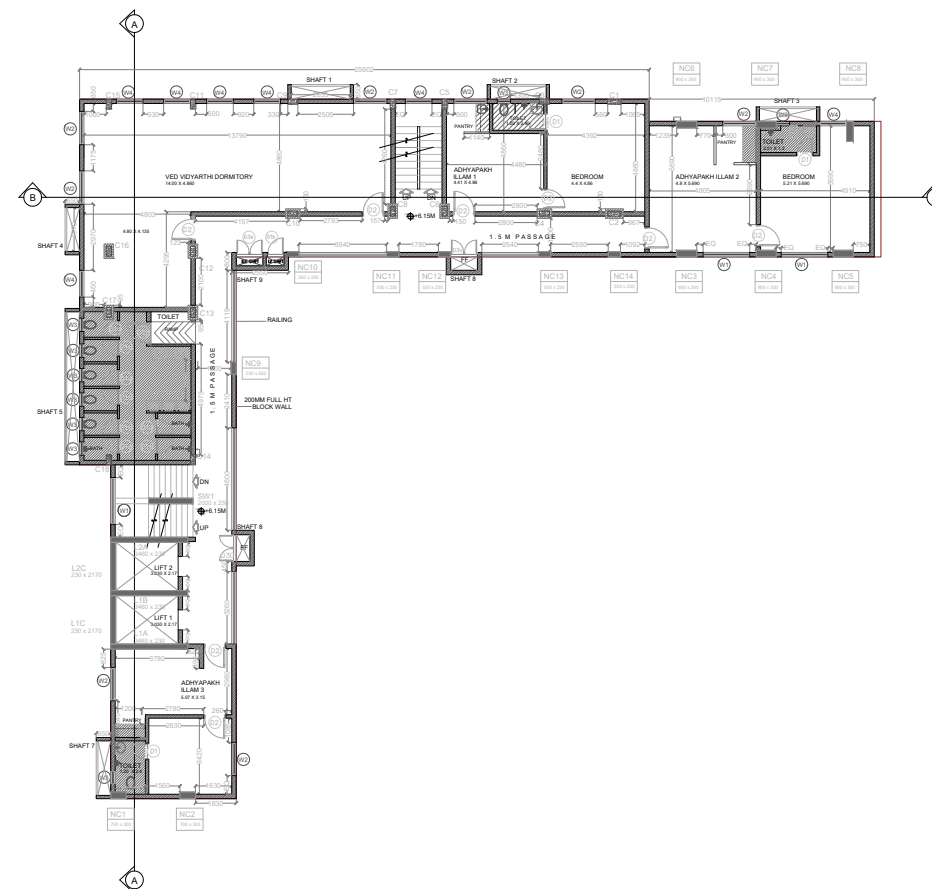
The sies which abbreviates to south indian education society at sies campus is a refurbishment and extension project which includes a structure, kamakshi nilayam. Which comprises of senior home apartment spaces, duplex rooms, dorms and classrooms. The g+5 structure covers itself with a sloped room at the top.

Research on elevation / material in regardance with the boq, revision of elevations based on the floor plan progress, generation of model.

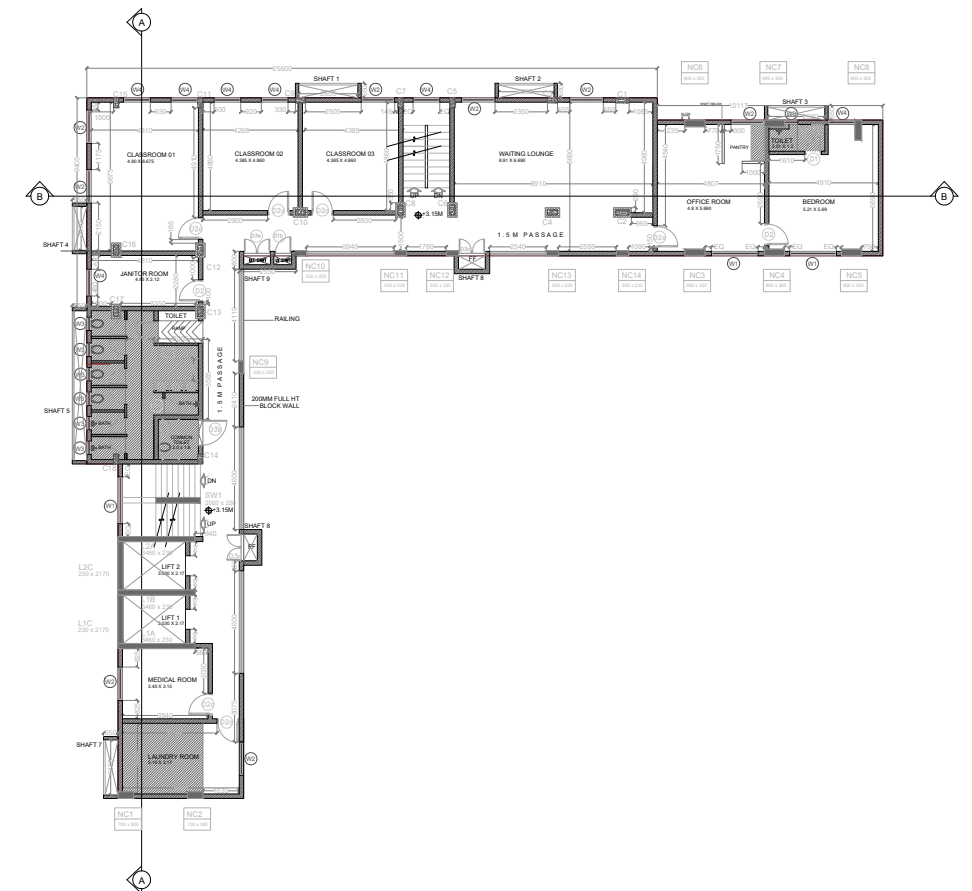
GROUND FLOOR PLAN



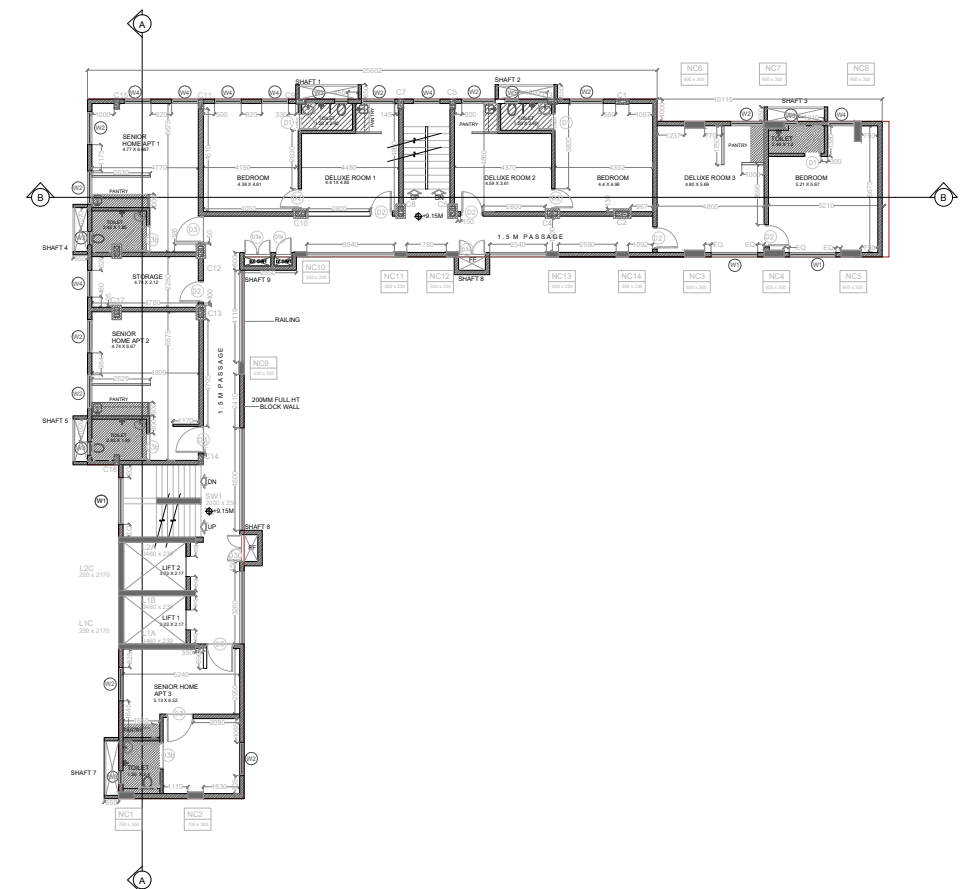
SECOND FLOOR PLAN



FIRST FLOOR PLAN



THIRD FLOOR PLAN



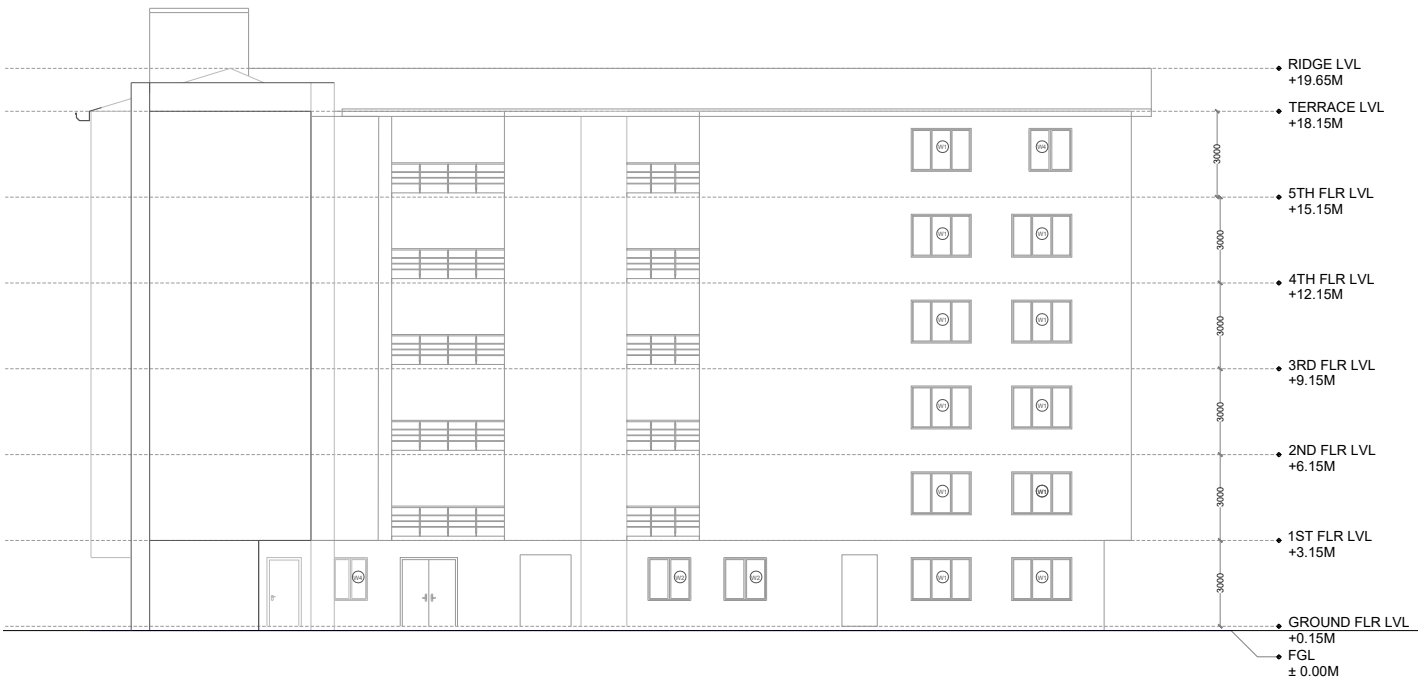
NO.	SIZE	DESCRIPTION	LINTEL
D1	600MM X 1950MM	SINGLE SHUTTER 45MM SOLID CORE LAMINATE FINISH FROM BOTH SIDES	2400MM
D2	750MM X 2100MM	SINGLE SHUTTER 45MM SOLID CORE LAMINATE FINISH FROM BOTH SIDES, VENT GRILL AT THE BOTTOM OF THE SHUTTER	2100MM
D3	900MM X 2400MM	SINGLE SHUTTER 45mm SOLID CORE LAMINATE FINISH FROM BOTH SIDES	2400MM
D4	1000MM X 2400MM	SINGLE SHUTTER 45mm SOLID CORE LAMINATE FINISH FROM BOTH SIDES	2400MM
D5	1200MM X 2400MM	SINGLE SHUTTER 45mm SOLID CORE LAMINATE FINISH FROM BOTH SIDES	2400MM
FRD	1200MM X 2400MM	SINGLE SHUTTER 45mm SOLID CORE LAMINATE FINISH FROM BOTH SIDES WITH FIRE RATING AS PER BOQ	2400MM
D6	1500MM X 2400MM	DOUBLE SHUTTER 45mm SOLID CORE LAMINATE FINISH FROM BOTH SIDES	2400MM
D1A	1200MM X 1650MM	SINGLE SHUTTER 45MM SOLID CORE LAMINATE FINISH FROM BOTH SIDES	2400MM

NO.	SIZE	DESCRIPTION	SILL	LINTEL
W1	2100MM X 1200MM	AL FRAMED 3 TRACK SLIDING WINDOW	870 / 900MM AS PER SITE	2100MM
W2	1500MM X 1200MM	AL FRAMED 3 TRACK SLIDING WINDOW	870 / 900MM AS PER SITE	2100MM
W3	600 X 900MM	AL FRAMED LOUVER WINDOW	1200MM	2100MM
W4	1200MM X 1200MM	AL FRAMED 2 TRACK SLIDING WINDOW	870 / 900MM AS PER SITE	2100MM

SHAFT SCHEDULE						
NO.	SIZE	START POINT	END POINT	USE	REMARK	
SHAFT 1	2950MM X 650MM	GROUND F.	TERRACE F.	PLUMBING	EXTERNAL SHAFT	
SHAFT 2	2800MM X 650MM	GROUND F.	TERRACE F.	PLUMBING	EXTERNAL SHAFT	
SHAFT 3	2860MM X 650MM	GROUND F.	TERRACE F.	PLUMBING	EXTERNAL SHAFT	
SHAFT 4	2270MM X 650MM	GROUND F.	TERRACE F.	PLUMBING	EXTERNAL SHAFT	
SHAFT 5	7025MM X 650MM	GROUND F.	TERRACE F.	PLUMBING	EXTERNAL SHAFT	
SHAFT 6	2900MM X 650MM	GROUND F.	FIRST F.	PLUMBING	EXTERNAL SHAFT	
SHAFT 7	2750MM X 650MM	GROUND F.	TERRACE F.	PLUMBING	EXTERNAL SHAFT	
SHAFT 8	1200MM X 600MM	GROUND F.	TERRACE F.	FIRE SHAFT	EXTERNAL SHAFT	
SHAFT 9	575MM X 200MM	FIRST F.	TERRACE F.	ELECTRICAL	EXTERNAL SHAFT	

[illegible][illegible]

FRONT ELEVATION



BACKSIDE ELEVATION



RIGHT ELEVATION



LEFT ELEVATION



13 MUMBAI HOCKEY ASSOCIATION

LOCATION : CHURCHGATE, MUMBAI.

PROJECT TYPE : SPORTS

PROJECT STATUS : PROPOSED

The vision is to create a world class institution for hockey, to create an iconic landmark stadium To create a self sustainable development. With a plot area of 18375 sqm.

Generation of model.





