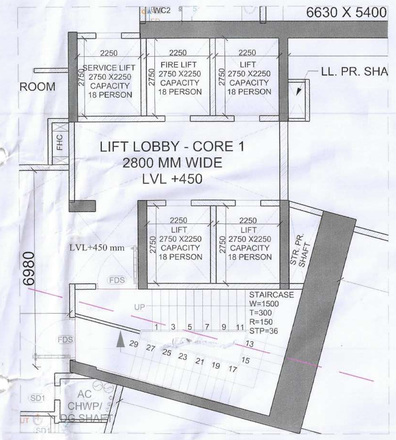
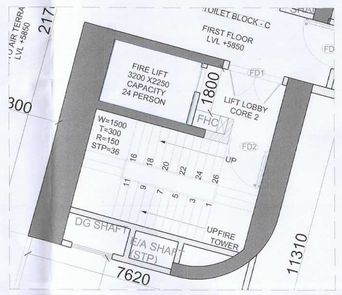
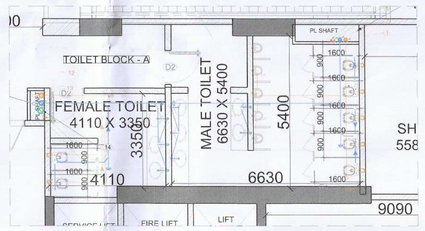


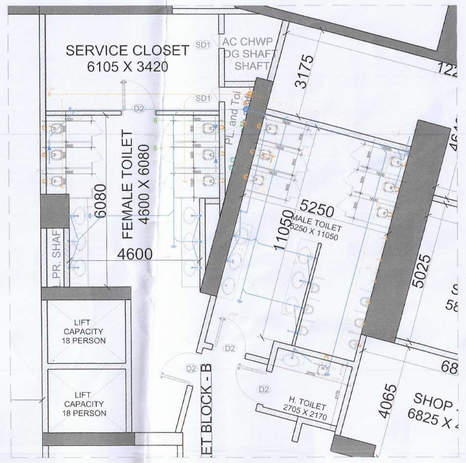
CORE 1



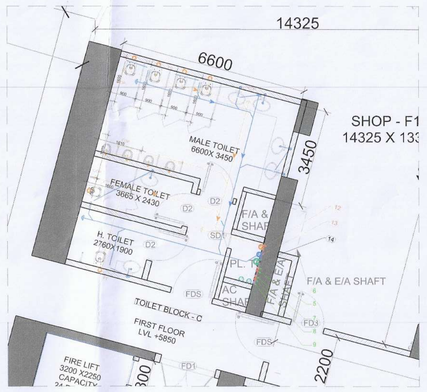
CORE 2



TOILET BLOCK A

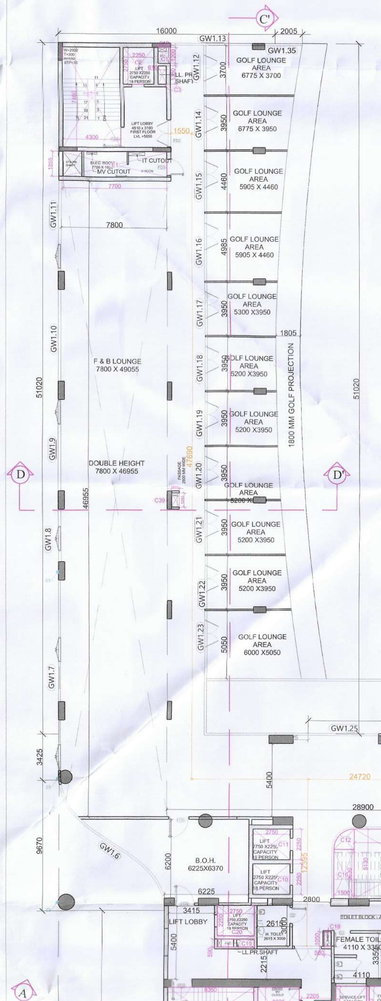


TOILET BLOCK B

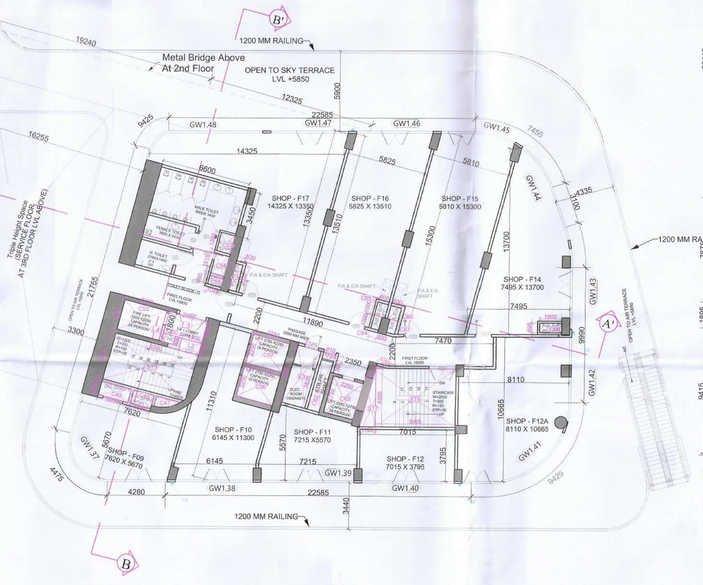


TOILET BLOCK C

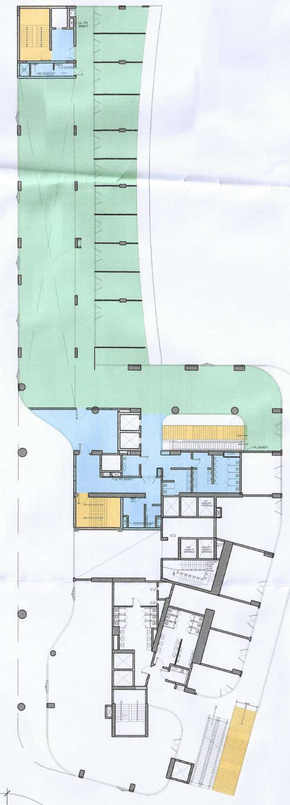
First (Retail)	Area (sqm)	Total Occupancy	Permanent Population			Floating Population			Total		Total Proposed	
			Total	M	F	Total	M	F	M	F	M	F
	3171.093	1067	165	70	35	951	634	317				
WC				2	1		13	7	15	8	15	8
Basin				2	1		13	7	15	8	15	8
Urinal				2	0		13	0	15	0	15	

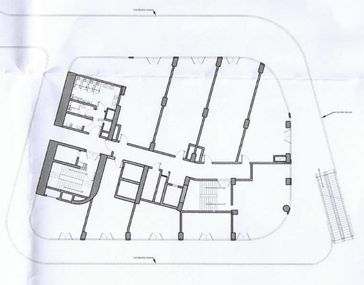


1. FIRST FLOOR PLAN
SCALE 1:200



2. FIRST FLOOR AREA DIAGRAM
SCALE 1:200





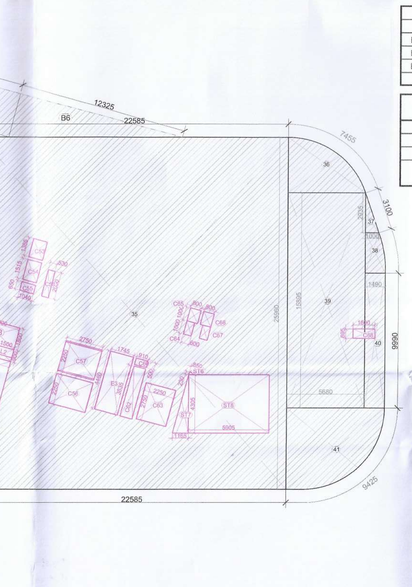
2. EXIT WIDTH AREA DIAGRAM
SCALE 1:500

REQUIRED STAIRCASE WIDTH LEVEL-1 CALCULATION

TOP GOLF AREA (1108 SQM/1.8) - 616 PERSONS
B.O.H. AREA, TOILETS AND LIFT LOBBY (267 SQM/30) - 9 PERSONS

TOTAL - 625 PERSONS

Required staircase width @ 10mm/person for 909 persons = **6250 mm**
Proposed staircase width **=9000mm**



N

AREA STATEMENT
First Floor
Addition (A)

	Shape	Formula	Length		Width	Additional		Unit		Area	Units
1	Concave Triangle	-	-	x	-	x	-	x	1	= 15.222	sqm
2	Rectangle	LxW	16.000	x	51.020	x	-	x	1	= 816.320	sqm
3	Concave Triangle	-	-	x	-	x	-	x	1	= 22.685	sqm
4	Rectangle	LxW	7.850	x	3.425	x	-	x	1	= 26.886	sqm
5	Special Shape	-	-	x	-	x	-	x	1	= 36.634	sqm
6	Rectangle	LxW	24.760	x	13.090	x	-	x	1	= 324.108	sqm
7	Concave Triangle									= 17.900	sqm
8	Rectangle	LxW	4.590	x	7.980	x	-	x	1	= 36.628	sqm
9	Rectangle	LxW	29.350	x	7.985	x	-	x	1	= 234.360	sqm
10	Rectangle	LxW	24.370	x	20.130	x	-	x	1	= 490.568	sqm
11	Special Shape	-	-	x	-	x	-	x	1	= 11.438	sqm
12	Concave Polygon	-	-	x	-	x	-	x	1	= 8.384	sqm
13	Rectangle	LxW	4.420	x	9.415	x	-	x	1	= 41.614	sqm
14	Concave Triangle	-	-	x	-	x	-	x	1	= 18.913	sqm
15	Trapezium	(L1+L2)xW/2	0.545	x	3.065	x	9.26	x	1	= 16.714	sqm
16	Triangle	1/2(LxW)	0.835	x	3.065	x	0.5	x	1	= 1.280	sqm
17	Concave Triangle	-	-	x	-	x	-	x	1	= 7.588	sqm
18	Rectangle	LxW	10.095	x	16.555	x	-	x	1	= 167.119	sqm
19	Trapezium	(L1+L2)xW/2	4.730	x	3.050	x	6.17	x	1	= 24.001	sqm
20	Triangle	1/2(LxW)	3.275	x	0.895	x	0.5	x	1	= 1.466	sqm
21	Rectangle	LxW	6.265	x	1.460	x	1	x	1	= 9.147	sqm
22	Trapezium	(L1+L2)xW/2	6.231	x	3.418	x	10.15	x	1	= 48.973	sqm
23	Rectangle	LxW	5.154	x	3.169	x	1	x	1	= 16.333	sqm
24	Concave Triangle	-	-	x	-	x	-	x	1	= 12.879	sqm
25	Rectangle	LxW	4.005	x	1.079	x	1	x	1	= 4.321	sqm
26	Triangle	1/2(LxW)	7.175	x	1.920	x	0.5	x	1	= 6.888	sqm
27	Triangle	1/2(LxW)	16.150	x	4.340	x	0.5	x	1	= 35.132	sqm
28	Rectangle	LxW	4.340	x	3.945	x	-	x	1	= 17.121	sqm
29	Concave Triangle	-	-	x	-	x	-	x	1	= 1.660	sqm
30	Concave Triangle	-	-	x	-	x	-	x	1	= 12.879	sqm
31	Trapezium	(L1+L2)xW/2	7.035	x	1.400	x	21.02	x	1	= 88.652	sqm
32	Concave Triangle	-	-	x	-	x	-	x	1	= 8.450	sqm
34	Rectangle	LxW	4.280	x	3.590	x	-	x	1	= 15.365	sqm
35	Rectangle	LxW	22.585	x	25.960	x	-	x	1	= 586.307	sqm
36	Concave Triangle	-	-	x	-	x	-	x	1	= 16.870	sqm
37	Triangle	1/2(LxW)	2.935	x	1.000	x	1	x	0.5	= 1.468	sqm
38	Concave Triangle	-	-	x	-	x	-	x	1	= 3.979	sqm
39	Rectangle	LxW	5.680	x	15.895	x	-	x	1	= 90.284	sqm
40	Rectangle	LxW	1.490	x	9.990	x	-	x	1	= 14.885	sqm
41	Concave Triangle									= 35.291	sqm
42	Rectangle	LxW	2.900	x	2.700	x	-	x	1	= 7.830	sqm
84	Concave Triangle									= 0.724	sqm
85	Rectangle	LxW	3.300	x	19.240	x	-	x	1	= 63.492	sqm
86	Triangle	1/2(LxW)	12.325	x	3.300	x	1	x	0.5	= 20.336	sqm
			Total AREA (A)							**= 3439.394**	sqm

AREA STATEMENT
First Floor
Substraction (C)

	Shape	Formula	Length		Width	Additional		Unit		Area	Units
C1	Rectangle	LxW	0.920	x	1.200	x	-	x	1	= 1.104	sqm
C2	Rectangle	LxW	2.250	x	2.750	x	-	x	1	= 6.188	sqm
C3	Rectangle	LxW	1.350	x	0.610	x	-	x	1	= 0.824	sqm
ST1	Rectangle	LxW	7.460	x	4.300	x	-	x	1	= 32.078	sqm
FT	Rectangle	LxW	7.700	x	1.855	x	-	x	1	= 14.283	sqm
C10	Rectangle	LxW	2.750	x	2.250	x	-	x	1	= 6.188	sqm
C11	Rectangle	LxW	2.750	x	2.250	x	-	x	1	= 6.188	sqm
C12	Quarter Circle	$1/4(3.141r^2)$	1.500	x	1.500	x	3.14	x	0.25	= 1.766	sqm
C13	Rectangle	LxW	8.900	x	5.130	x	-	x	1	= 45.657	sqm
C14	Quarter Circle	$1/4(3.141r^2)$	1.500	x	1.500	x	3.14	x	0.25	= 1.766	sqm
C15	Rectangle	LxW	1.500	x	3.630	x	-	x	1	= 5.445	sqm
C16	Rectangle	LxW	1.500	x	3.630	x	-	x	1	= 5.445	sqm
ST2	Rectangle	LxW	6.350	x	4.300	x	-	x	1	= 27.305	sqm
C17	Rectangle	LxW	2.240	x	0.600	x	-	x	1	= 1.344	sqm
C18	Rectangle	LxW	1.050	x	0.500	x	-	x	1	= 0.525	sqm
C19	Rectangle	LxW	2.750	x	0.590	x	-	x	1	= 1.623	sqm
C20	Rectangle	LxW	2.750	x	2.250	x	-	x	1	= 6.188	sqm
C22	Rectangle	LxW	2.250	x	2.750	x	-	x	1	= 6.188	sqm
C23	Rectangle	LxW	2.250	x	2.750	x	-	x	1	= 6.188	sqm
C24	Rectangle	LxW	2.250	x	2.750	x	-	x	1	= 6.188	sqm
C25	Rectangle	LxW	2.250	x	2.750	x	-	x	1	= 6.188	sqm
C26	Rectangle	LxW	2.250	x	2.750	x	-	x	1	= 6.188	sqm
C27	Rectangle	LxW	1.280	x	0.630	x	-	x	1	= 0.806	sqm
C28	Rhombus			x	-	x	-	x	1	= 2.305	sqm
C29	Rectangle	LxW	2.375	x	1.485	x	-	x	1	= 3.527	sqm
C30	Triangle	1/2(LxW)	2.200	x	0.590	x	0.5	x	1	= 0.649	sqm
C31	Triangle	1/2(LxW)	1.040	x	3.875	x	-	x	0.5	= 2.015	sqm
C32	Rectangle	LxW	12.180	x	6.985	x	-	x	1	= 85.077	sqm
C33	Rectangle	LxW	2.550	x	2.450	x	-	x	1	= 6.248	sqm
C34	Rectangle	LxW	7.270	x	2.800	x	-	x	1	= 20.356	sqm
C54	Rectangle	LxW	3.025	x	4.300	x	-	x	1	= 13.008	sqm
C55	Rectangle	LxW	3.180	x	2.205	x	-	x	1	= 7.012	sqm
ST3a	Triangle	1/2(LxW)	8.075	x	2.655	x	-	x	0.5	= 10.720	sqm
ST3b	Triangle	1/2(LxW)	7.110	x	4.650	x	-	x	0.5	= 16.531	sqm
C38	Rectangle	LxW	1.500	x	0.750	x	-	x	1	= 1.125	sqm
C39	Rectangle	LxW	0.565	x	1.050	x	-	x	1	= 0.593	sqm
C40	Rectangle	LxW	4.400	x	6.500	x	-	x	1	= 28.599	sqm
C41	Rectangle	LxW	2.750	x	2.250	x	-	x	1	= 6.188	sqm
C42	Rectangle	LxW	2.750	x	2.250	x	-	x	1	= 6.188	sqm
C44	Rectangle	LxW	0.600	x	2.090	x	-	x	1	= 1.254	sqm
C47	Concave Triangle		1.200	x	0.700	x	-	x	1	= 0.840	sqm
C48	Rectangle	LxW	1.550	x	0.995	x	-	x	1	= 1.542	sqm
C49	Rectangle	LxW	2.250	x	0.995	x	-	x	1	= 2.239	sqm
ST5	Rectangle	LxW	6.300	x	3.600	x	-	x	1	= 22.680	sqm
L2	Rectangle	LxW	0.900	x	1.500	x	-	x	1	= 1.350	sqm
L3	Rectangle	LxW	2.900	x	1.800	x	-	x	1	= 5.220	sqm
L4	Rectangle	LxW	0.600	x	1.200	x	-	x	1	= 0.720	sqm
C52	Rectangle	LxW	3.200	x	2.400	x	-	x	1	= 7.680	sqm
C53	Rectangle	LxW	1.385	x	1.040	x	-	x	1	= 1.440	sqm
C54	Rectangle	LxW	1.515	x	1.040	x	-	x	1	= 1.576	sqm
C55	Rectangle	LxW	0.650	x	1.040	x	-	x	1	= 0.676	sqm
C56	Rectangle	LxW	2.250	x	2.750	x	-	x	1	= 6.188	sqm
C57	Rectangle	LxW	2.250	x	2.750	x	-	x	1	= 6.188	sqm
C58	Rectangle	LxW	2.000	x	0.595	x	-	x	1	= 1.190	sqm
ST6	Triangle	1/2(LxW)	0.230	x	0.850	x	1	x	0.5	= 0.098	sqm
C60	Rectangle	LxW	0.900	x	0.500	x	-	x	1	= 0.450	sqm
E3	Rectangle	LxW	4.460	x	1.745	x	-	x	1	= 7.783	sqm
C62	Rectangle	LxW	0.900	x	3.835	x	-	x	1	= 3.452	sqm
C63	Rectangle	LxW	2.250	x	2.750	x	-	x	1	= 6.188	sqm
C64	Rectangle	LxW	1.000	x	0.600	x	-	x	1	= 0.600	sqm
C65	Rectangle	LxW	0.800	x	1.000	x	-	x	1	= 0.800	sqm
C66	Rectangle	LxW	0.800	x	1.000	x	-	x	1	= 0.800	sqm
C67	Rectangle	LxW	1.000	x	0.600	x	-	x	1	= 0.600	sqm
C68	Rectangle	LxW	1.600	x	0.600	x	-	x	1	= 0.960	sqm
C69	Rectangle	LxW	2.500	x	2.400	x	-	x	1	= 6.000	sqm
ST7	Triangle	1/2(LxW)	1.165	x	4.305	x	1	x	0.5	= 2.508	sqm
ST8	Rectangle	LxW	5.905	x	4.305	x	-	x	1	= 25.421	sqm
			Total AREA (C)							**= 523.171**	sqm

BUILTUP AREA ADDITIONAL - NON FAR (NB)

	Shape	Formula	Length		Width	Additional		Unit		Area	Units
B1	Concave Polygon								=	66.044	sqm
B2	Convex Triangle								=	10.195	sqm
B3	Convex Triangle								=	10.730	sqm
			Total AREA (NB)						=	**86.969**	sqm

1st Floor Area Summary

Proposed FAR AREA (A-C)	=	2916.223	sqm
Proposed BALCONY AREA (B)	=	86.969	sqm
Proposed NON-FAR BUILT UP AREA STAIRCASE AREA+LIFT LOBBY+ELECTRICAL ROOM (E)	=	208.745	sqm
Proposed BUILTUP AREA (D) = (FAR AREA+B+E)		**3211.937**	

GLAZING SCHEDULE

S.NO.	GLAZING TYPE	SIZE	SILL	LINTEL
1	GW1.1	6365 X 4575	-	4575
2	GW1.2	7465 X 4575	-	4575
3	GW1.3	11965 X 4575	-	4575
4	GW1.4	16235 X 4575	-	4575
5	GW1.5	11795 X 4575	-	4575
6	GW1.6	12735 X 4575	-	4575
7	GW1.7	14065 X 4575	-	4575
8	GW1.8	3810 X 4575	-	4575
9	GW1.9	6650 X 4575	-	4575
10	GW1.10	6750 X 4575	-	4575
11	GW1.11	8625 X 4575	-	4575
12	GW1.12	7400 X 4575	-	4575
13	GW1.13	5580 X 4575	-	4575
14	GW1.14	3950 X 4575	-	4575
15	GW1.15	4460 X 4575	-	4575
16	GW1.16	4665 X 4575	-	4575
17	GW1.17	3950 X 4575	-	4575
18	GW1.18	3550 X 4575	-	4575
19	GW1.19	3950 X 4575	-	4575
20	GW1.20	3950 X 4575	-	4575
21	GW1.21	3950 X 4575	-	4575
22	GW1.22	3950 X 4575	-	4575
23	GW1.23	4565 X 4575	-	4575
24	GW1.24	7740 X 4575	-	4575
25	GW1.25	5300 X 4575	-	4575
26	GW1.26	5125 X 4575	-	4575
27	GW1.27	9215 X 4575	-	4575
28	GW1.28	5265 X 4575	-	4575
29	GW1.29	5400 X 4575	-	4575
30	GW1.30	5515 X 4575	-	4575
31	GW1.31	5945 X 4575	-	4575
32	GW1.32	4380 X 4575	-	4575
33	GW1.33	4225 X 4575	-	4575
34	GW1.34	4425 X 4575	-	4575
35	GW1.35	11075 X 4575	-	4575
36	GW1.36	7715 X 4575	-	4575
37	GW1.37	12490 X 4575	-	4575
38	GW1.38	5340 X 4575	-	4575
39	GW1.39	6455 X 4575	-	4575
40	GW1.40	5800 X 4575	-	4575
41	GW1.41	8945 X 4575	-	4575
42	GW1.42	6255 X 4575	-	4575
43	GW1.43	5960 X 4575	-	4575
44	GW1.44	7855 X 4575	-	4575
45	GW1.45	5605 X 4575	-	4575
46	GW1.46	5595 X 4575	-	4575
47	GW1.47	5665 X 4575	-	4575
48	GW1.48	6045 X 4575	-	4575

LEGEND FOR PLUMBING:

	110 DIA SWH SOIL & VENT PIPE
	110 DIA SWH WASTE & VENT PIPE
	90 DIA SWH AND UPVC RAIN WATER PIPE
	DOMESTIC WATER SUPPLY 25 TIMES PIPE (50 TO 25M FLOOR)
	DOMESTIC WATER SUPPLY 20 TIMES PIPE (25 TO 10M FLOOR)
	FLUSHING WATER SUPPLY 25 TIMES PIPE (50 TO 10M FLOOR)
	DOMESTIC WATER SUPPLY 15MM TO DUCT BELOW
	FLUSHING WATER SUPPLY 15MM TO DUCT BELOW
	HOT WATER SUPPLY 15MM TO DUCT BELOW
	15MM GI UP TO RAIN WATER PIPE
	100 DIA UPVC RAIN WATER PIPE FOR SUNNACS
	100 DIA SWH SOIL & VENT PIPE
	100 DIA SWH WASTE & VENT PIPE
	200 DIA UPVC RAIN WATER PIPE

DOOR SCHEDULE

S.NO	TYPE	DOOR SIZE	SILL	LINTEL	DISCRIPTION
1.	FD1	2000X2400	------	2400	FIRE DOOR
2.	FD5	1500X2400	------	2400	FIRE DOOR
3.	FD2	1200X2400	------	2400	FIRE DOOR
4.	FD3	1200X2400	------	2400	FIRE DOOR
5.	D0	2000X2400	------	2400	FLUSH DOOR
6.	D1	1500X2400	------	2400	FLUSH DOOR
7.	D2	1200X2400	------	2400	FLUSH DOOR
8.	D3	1000X2400	------	2400	FLUSH DOOR
9.	D4	800X2400	------	2400	FLUSH DOOR
10.	SD1	900X2100	------	2100	SHAFT DOOR
11.	SD2	625X2100	------	2100	SHAFT DOOR

S.T.P. (HQ) Member Secretary B.P.A.C. | S.T.P. (G) Member B.P.A.C. | C.T.P. (HR) Chairman B.P.A.C.

DTP(HQ) | P.A. | A.C.P. | DTP(HQ)

SANCTIONED
TO BE READ WITH THIS OFFICE MEMO NO.: 29230
DATED: 30.10.25
Ram Avtar Bassi JD(HQ)

Note :-

1. BUILDING HAS AUTOMATIC SPRINKLER SYSTEM WHEREVER REQUIRED BY NBC.

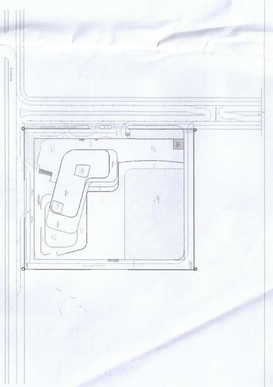
2. BUILDING WILL BE DESIGNED (STRUCTURES) AS PER RELEVANT IS CODES FOR EARTH QUAKE RESISTANCE

3. FOR SOIL WASTE- SINGLE STACK SYSTEM WILL BE ADOPTED AS PER APPROVED IN NBC-2016.

4. ALL LIFTS AND COMMON AREA WITH EMERGENCY LIGHTING TO HAVE 100% POWER BACKUP AS PER NBC REQUIREMENT.

5. ALL DIMENSIONS ARE IN MM.

6. THE BUILDING IS FULLY VENTILATED AND CENTRALLY AIR CONDITIONED WITH 100% POWER BACKUP.



KEYPLAN

PROJECT TITLE :

PROPOSED BUILDING PLAN OF COMMERCIAL SITE FOR AN AREA MEASURING 3.419 ACRES FALLING IN THE RESIDENTIAL PLOTTED COLONY FOR AN AREA MEASURING 197.161 ACRES (LICENCE NO. 54 OF 2014 DATED 20.06.2014, LICENCE NO. 28 OF 2016 DATED 23.12.2016, LICENCE NO. 07 OF 2020 DATED 29.01.2020, LICENCE NO. 104 OF 2021 DATED 10.12.2021 & LICENCE NO. 13 OF 2024 DATED 29.01.2024) IN SECTOR-29, 30, 32 & 33, SOHNA BEING DEVELOPED BY ST. PATRICKS REALTY PVT. LTD.

CLIENT

ST. PATRICKS REALTY PVT. LTD.

ARCHITECT

HABITAT ARCHITECTS
#1777, Maharaj Nagar,
Near P.A.U Gate no.3
LUDHIANA-141001,
PUNJAB

ARCHITECT'S SEAL & SIGNATURE

OWNER'S SEAL & SIGNATURE

Date:

ZAFAR CHAUDHARY
B. Arch. CA/2006/37311

For St. Patricks Realty Pvt. Ltd.
Authorised Signatory

Date: | Scale: | Revision no: R0

STATUS:

SUBMISSION DRAWING

JD (HQ) Member BPAC

DRAWING TITLE :

FIRST FLOOR PLAN

Checked and found ok for Public Health (Internal) Service only subject to comments in forwarding letter No. 13237 Dt. 04.11.2025

Drawing No.

SD/AR/A-1/105

Superintending Engineer (HQ) for Chief Engineer-I HSVP, Panchkula