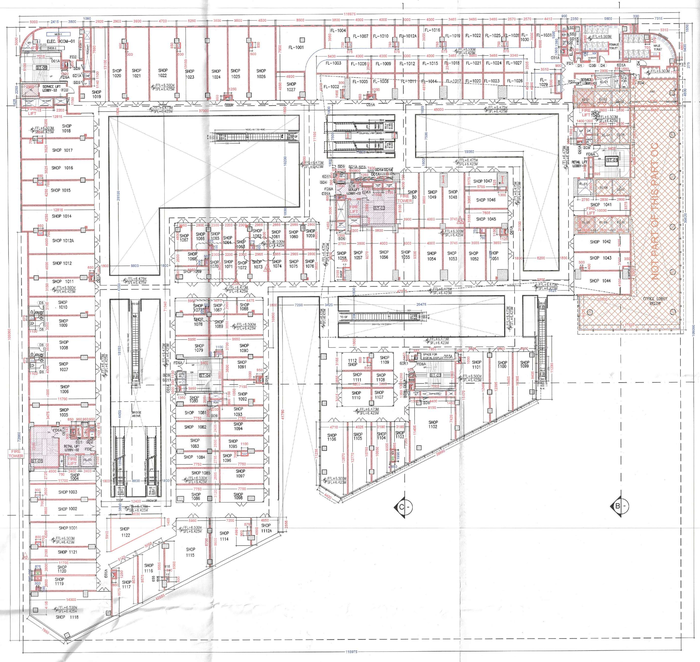
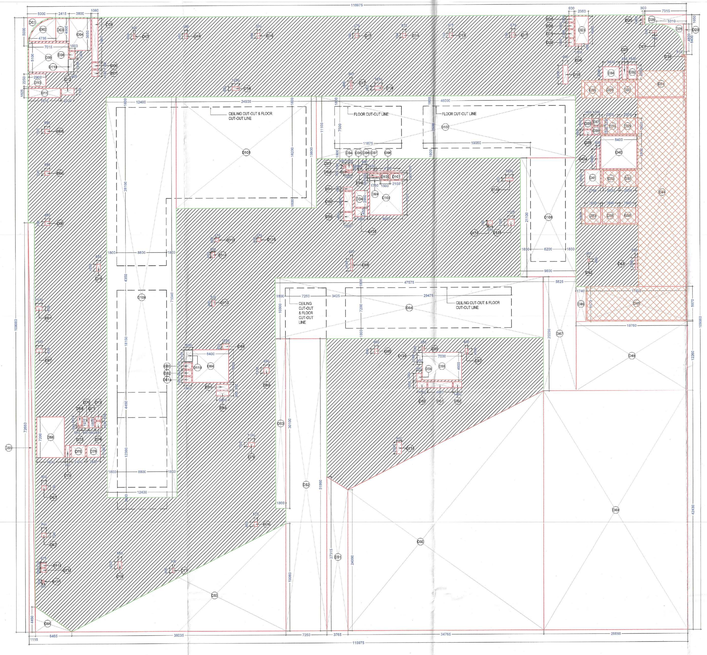


1 FIRST FLOOR PLAN
SCALE 1:250



2 FAR AREA DIAGRAM
SCALE 1:250

LEVEL 01 DOOR WINDOW SCHEDULE

S.NO	LOCATION	QUANTITY	DOOR/VENTILATOR NO.	CLEAR WIDTH (MM)	SILL (MM)	TRICKED	LINTEL (MM)	ARCHITRAVED	FRENCH	DOOR TYPE	FIRE RATING
1	Electrical Room-01	1	D1	900	150		2400	2400		SINGLE	2 HOURS
2	Electrical Room-01, Service Lift Entry-01 (LB)	1	D2	1200	150		2400	2400		DOUBLE	2 HOURS
3	Fire Room	1	D3A	1200	0		2400	2400		DOUBLE	2 HOURS
4	Fire Control Room (FC)	1	D3B	1200	0		2400	2400		DOUBLE	2 HOURS
5	Electrical Room-01, Service Lift Entry-02	1	D3A	1200	0		2400	2400		DOUBLE	2 HOURS
6	Lift Shaft (01 NO-02), EL shaft(01 NO-03), Lift pit (Shaft #4 Mtrs-02), Lift Machine Room (Shaft #2 Mtrs-02)	3	SD2	750	100		2400	2300		SINGLE	2 HOURS
7	Lift Shaft (Shaft #1 Mtrs-02), Lift Machine Room (Shaft #3 Mtrs-02)	3	SD3	900	100		2400	2300		SINGLE	2 HOURS
8	Electrical Shaft (ES-01)	1	SD4	1400	100		2400	2300		DOUBLE	2 HOURS
9	Electrical Shaft (ES-02)	1	SD5	1400	100		2400	2300		DOUBLE	2 HOURS
10	Electrical Shaft (Service # Mtrs-01)	1	SD6	1400	100		2400	2300		DOUBLE	2 HOURS
11	Staircase (LB-01)	1	D1	900	0	Y	2400	2400		SINGLE	2 HOURS
12	Shaft, Toilet - Female "GALT"	1	D1	1050	0	Y	2400	2400		SINGLE	
13	Shaft, Toilet - Male "GALT"	1	D1	1050	0	Y	2400	2400		SINGLE	
14	PHE (B) - A	1	D1A	900	100		2400	2300		SINGLE	
15	PHE (B) - B	1	D1A	900	100		2400	2300		SINGLE	
16	STAIR SHAFT W.T.M. (USED (01) FOR SHAFT EL NO.-02)	3	SD1	750	100		2400	2300		SINGLE	
17	STAIR SHAFT W.T.M. (USED (01) FOR Staircase (LB-01) & TR.N.-01)	3	SD1	750	100		2400	2300		SINGLE	
18	LIFT SHAFT (SHAFT EL NO.-01)	3	SD8	900	100		2400	2300		SINGLE	
19	STAIR SHAFT (01) (SHAFT EL NO.-01), SHAFT (01 NO.)(FOR (01 (SD), SHAFT (01 NO.)(FOR (01 (FIRE (01 (SD	9	SD5	1000	100		2400	2300		SINGLE	

1ST FLOOR FAR CALCULATION

1ST FLOOR FAR AREA = TOTAL AREA(TOP AREA - TOTAL DEDUCTIONS) (-)

S.NO.	DESCRIPTION	QUANTITY	LENGTH A (M)	LENGTH B/ RADIUS (M)	WIDTH/HT/ ANGLE (M)	FORMULA	AREA (SQ.M.)
1	A1	1		372.970	109.00	Area Rectangle= L x B	12357.206
A	TOTAL AREA			ADDITION			12357.206

S.NO.	DESCRIPTION	QUANTITY	LENGTH A (M)	LENGTH B/ RADIUS (M)	WIDTH/HT/ ANGLE (M)	FORMULA	AREA (SQ.M.)
1	D01	1		1.000	1.000	Area as per Diagram	0.785
2	D02	1		4.736	4.000	Area as per Diagram	14.376
3	D03	1		2.423	4.000	Area Rectangle= L x B	9.692
4	D04	1		5.800	3.400	Area Rectangle= L x B	25.400
5	D05	1		1.000	7.940	Area Rectangle= L x B	8.373
6	D06	1		1.000	1.150	Area Rectangle= L x B	1.188
7	D07	1		1.000	1.142	Area Rectangle= L x B	1.070
8	D08	1		1.000	1.150	Area Rectangle= L x B	1.188
9	D09	1		7.015	1.330	Area Rectangle= L x B	35.777
10	D10	1		2.930	2.250	Area Rectangle= L x B	5.765
11	D11	1		3.455	1.625	Area Rectangle= L x B	5.526
12	D12	1		2.835	1.330	Area Rectangle= L x B	3.748
13	D13	1		0.350	0.850	Area Rectangle= L x B	0.292
14	D14	2		0.926	0.850	Area Rectangle= L x B	1.454
15	D15	4		0.575	0.750	Area Rectangle= L x B	1.725
16	D16	1		1.250	0.850	Area Rectangle= L x B	0.816
17	D17	1		0.300	1.400	Area Rectangle= L x B	0.420
18	D18	3		1.250	0.850	Area Rectangle= L x B	2.490
19	D19	1		0.900	0.300	Area Rectangle= L x B	0.545
20	D20	1		0.900	1.300	Area Rectangle= L x B	3.150
21	D21	1		0.900	1.399	Area Rectangle= L x B	1.221
22	D22	1		0.900	1.000	Area Rectangle= L x B	1.660
23	D23	1		3.350	6.886	Area Rectangle= L x B	11.401
24	D24	1		1.500	1.400	Area Rectangle= L x B	0.640
25	D25	1		2.300	4.450	Area Rectangle= L x B	0.455
26	D26	1		7.333	1.540	Area Rectangle= L x B	11.291
27	D27	1		5.196	0.770	Area Rectangle= L x B	0.210
28	D28	1		5.350	4.000	Area as per Diagram	4.066
29	D29	1		3.100	5.400	Area Rectangle= L x B	5.256
30	D30						
31	D31						
32	D32	1		3.150	3.500	Area Rectangle= L x B	3.872
33	D33	1		3.050	3.150	Area Rectangle= L x B	2.923
34	D34	2		2.000	2.200	Area Rectangle= L x B	13.760
35	D35						
36	D36	1		1.400	1.850	Area Rectangle= L x B	2.180
37	D37	1		1.200	1.200	Area Rectangle= L x B	1.560
38	D38	1		1.400	0.000	Area Rectangle= L x B	1.380
39	D39	1		1.200	1.500	Area Rectangle= L x B	1.860
40	D40	1		6.400	5.800	Area Rectangle= L x B	37.120
41	D40A	1		4.565	3.485	Area Rectangle= L x B	4.926
42	D41	1		3.750	3.800	Area Rectangle= L x B	7.350
43	D42	1		0.300	0.400	Area Rectangle= L x B	0.120
44	D43	1		0.350	3.500	Area Rectangle= L x B	0.770
45	D44						
46	D45						
47	D46	1	1.740		6.170	Area Rectangle= L x B	10.736
48	D47	1	1.825		20.250	Area Rectangle= L x B	157.846
49	D48	1	10.760		12.260	Area Rectangle= L x B	262.256
50	D49	42	42.000		42.460	Area Rectangle= L x B	180.120
51	D50	1	42.430	24.990	34.765	Area Trapezium=(Sum of parallel sides X ht)/2	1175.500
52	D51	1	27.555	24.990	5.765	Area Trapezium=(Sum of parallel sides X ht)/2	78.404
53	D52	1		7.250	51.060	Area Triangle=(L X B)/2	370.343
54	D53	1		1.800	30.100	Area Rectangle= L x B	54.180
55	D54	1		67.675	10.830	Area Rectangle= L x B	733.032
56	D55	1		0.600	0.300	Area Rectangle= L x B	0.180
57	D56	1		0.350	0.600	Area Rectangle= L x B	0.210
58	D57	1		0.450	3.000	Area Rectangle= L x B	0.492
59	D58	1		7.600	4.900	Area Rectangle= L x B	34.420
60	D59	1		0.850	1.900	Area Rectangle= L x B	1.320
61	D60	1		1.700	5.050	Area Rectangle= L x B	1.282
62	D61	1		4.400	1.050	Area Rectangle= L x B	4.620
63	D62	1		1.402	1.050	Area Rectangle= L x B	1.595
64	D63	1		66.000	10.000	Area Triangle=(L X B)/2	302.454
65	D64	1		6.460	4.460	Area Triangle=(L X B)/2	14.417
66	D65	1		1.115	72.000	Area Rectangle= L x B	80.250
67	D66	3		0.850	0.700	Area Rectangle= L x B	1.751
68	D67	2		1.100	0.675	Area Rectangle= L x B	1.463
69	D68	1		4.900	7.300	Area Rectangle= L x B	35.282
70	D69	1		0.400	1.475	Area Rectangle= L x B	0.550
71	D70	1		0.950	1.975	Area Rectangle= L x B	1.876
72	D71	1		0.850	1.850	Area Rectangle= L x B	1.710
73	D72	1		0.950	0.675	Area Rectangle= L x B	0.641
74	D73	1		0.400	1.400	Area Rectangle= L x B	0.550
75	D74	1		0.950	1.100	Area Rectangle= L x B	1.041
76	D75	1		0.750	2.100	Area Rectangle= L x B	1.515
77	D76	2		1.400	3.500	Area Rectangle= L x B	10.080
78	D77	1		0.900	0.800	Area Rectangle= L x B	0.142
79	D78	1		0.575	0.800	Area Rectangle= L x B	0.460
80	D79	1		1.100	0.700	Area Rectangle= L x B	0.770
81	D80	1		1.200	0.900	Area Rectangle= L x B	1.080
82	D81	1		1.200	0.950	Area Rectangle= L x B	1.140
83	D82	1		1.350	0.950	Area Rectangle= L x B	1.973
84	D82	1		1.350	0.950	Area Rectangle= L x B	1.283
85	D83	1		1.350	1.150	Area Rectangle= L x B	1.553
86	D84	1		6.400	5.800	Area Rectangle= L x B	37.120
87	D85	1		1.000	0.900	Area Rectangle= L x B	0.900
88	D86	1		0.090	1.000	Area Rectangle= L x B	0.090
89	D87	1		0.900	1.000	Area Rectangle= L x B	0.900
90	D88	1		0.800	2.100	Area Rectangle= L x B	0.920
91	D89	1		1.500	1.450	Area Rectangle= L x B	2.175
92	D90	1		1.100	1.500	Area Rectangle= L x B	3.250
93	D91	1		1.100	0.100	Area Rectangle= L x B	0.583
94	D92	1		1.100	0.900	Area Rectangle= L x B	0.450
95	D93	1		1.100	0.900	Area Rectangle= L x B	0.990
96	D94	1		1.100	0.500	Area Rectangle= L x B	0.984
97	D95	1		0.550	0.300	Area Rectangle= L x B	0.165
98	D96	1		0.550	0.300	Area Rectangle= L x B	0.255
99	D97	1		1.200	0.900	Area Rectangle= L x B	0.255
100	D98	1		4.550	0.300	Area Rectangle= L x B	1.260

1ST FLOOR AREA UNDER BROWN MATCH(NOT PART OF THIS PART OC)

S.NO.	DESCRIPTION	QUANTITY	LENGTH A (M)	LENGTH B/ RADIUS (M)	WIDTH/HT/ ANGLE (M)	FORMULA	AREA (SQ.M.)
1	CO1	1		9.650	1.000	Area Rectangle= L x B	9.650
2	CO1	1		4.750	1.000	Area Rectangle= L x B	4.750
3	CO1	1		10.500	1.000	Area Rectangle= L x B	10.500
4	CO1	1		4.450	1.000	Area Rectangle= L x B	4.450
5	CO1	1		6.500	1.000	Area Rectangle= L x B	6.500
6	CO1	1		4.000	1.000	Area Rectangle= L x B	4.000
7	CO1	1		10.500	1.000	Area Rectangle= L x B	10.500
8	CO1	1		6.500	1.000	Area Rectangle= L x B	6.500
2	1ST FLOOR FAR UNDER BROWN MATCH (NOT PART OF THIS PART OC)						545.000

S.NO.	DESCRIPTION	QUANTITY	LENGTH A (M)	LENGTH B/ RADIUS (M)	WIDTH/HT/ ANGLE (M)	FORMULA	AREA (SQ.M.)
101	D99	2		1.750	0.500	Area Rectangle= L x B	1.750
102	D100	1		1.500	1.000	Area Rectangle= L x B	1.500
103	D101	1		2.150	1.000	Area Rectangle= L x B	2.150
104	D102	1		5.800	6.100	Area Rectangle= L x B	35.380
105	D103	1		2.200	1.450	Area Rectangle= L x B	3.190
106	D104	1		1.300	0.525	Area Rectangle= L x B	0.683
107	D105	1		1.125	1.100	Area Rectangle= L x B	1.238
108	D106	1		9.800	21.100	Area Rectangle= L x B	206.780
109	D107	1		46.000	11.100	Area Rectangle= L x B	510.600
110	D108	1		24.900	19.800	Area Rectangle= L x B	493.020
111	D109	1		12.400	71.040	Area Rectangle= L x B	880.896
112	D110	1		0.875	0.720	Area Rectangle= L x B	0.630
113	D111	1		0.300	0.500	Area Rectangle= L x B	0.150
114	D112	1		0.875	0.695	Area Rectangle= L x B	0.608
115	D113	1		0.500	0.900	Area Rectangle= L x B	0.450
116	D114	1		0.500	0.900	Area Rectangle= L x B	0.450
117	D115	2		0.575	0.600	Area Rectangle= L x B	0.690
118	D116	1		0.850	1.990	Area Rectangle= L x B	1.692
119	D117	1		0.790	0.750	Area Rectangle= L x B	0.593
120	D118	1		0.585	2.200	Area Rectangle= L x B	2.167
121	D119	1		1.550	2.100	Area Rectangle= L x B	3.255
122	D120	1		0.950	2.100	Area Rectangle= L x B	1.995
B	DEDUCTION						6678.853
C	1ST FLOOR ARE UNDER BROWN HATCH (NOT PART OF THIS PART OC)						542.940
D	1ST FLOOR FAR						5535.500

1ST FLOOR RETAIL - OCCUPANT(S) DECLARATION

SHOPPING MALL & RETAIL (BUILDING) - UNDER NATIONAL B.L.(ENG) CODE 2016

1ST FLOOR AREA						SQ.M.	SQ.FT.
OCCUPANT LOAD						0	0 SQ.M/PERSON
TOTAL POP.=(50%)						TOTAL POP.	
MALE	50%				50	25 SQ.M/PERSON	For Occupant load, Ref. Note 1 & 2 Part 3, Table 1
FEMALE	50%				50		
						FLOOR(S) FOR LIFT(S)	Life Safety, Table 03
		450			900		
MALE	50%				50		
FEMALE	50%				900		

1ST FLOOR RETAIL - TOILET CALCULATION

A	SPARE TOILET FOR 1ST FLOOR (SHOPPING BUILDING)				92
	Staff Population (50%)				
NOTE:	Population Ratio of Male & Female is 60:40				
	Male staff population				55
	Female staff population				37
	56/ for Male	48/ for Male	Urinal	46/ for Female	46/ for Female
REQUIRED	5	5	5	8	8
B	PUBLIC TOILET FOR 1ST FLOOR (SHOPPING BUILDING)				
	Floating Population (60%)				690
NOTE:	Population Ratio of Male & Female is 60:40				
	Male floating population				414
	Female floating population				276
	56/ for Male	48/ for Male	Urinal	46/ for Female	46/ for Female
	39	38	39	6	7

Ref. from NBC Vol-2, Part 9,Table 15 (Clause 4.6.5)

C	TOTAL REQUIRMENT/PROPOSAL FOR GROUND FLOOR (SHOPPING BUILDING)			
	WC			
	Male	Female	Total	
REQUIRED	33	30	28	
PROPOSED	33	33	24	
	WB			
	Male	Female	Total	
REQUIRED	33	30	28	
PROPOSED	33	33	24	
	URINAL			
	Male	Female	Total	
REQUIRED	33	0	13	
PROPOSED	34	0	34	

Ref. from NBC Vol-2, Part 9,Table 8,Clause 4.6.5 & Life Safety,Table 2

FIRST FLOOR EXIT WIDTH CALCULATION

MERCANTILE OCCUPANCY TYPE (B) UNDER NATIONAL BUILDING CODE 2016

OCCUPANT LOAD			
OCCUPANT LOAD	825	PERSONS	
UNIT WIDTH REQUIRED	10	MM/PERSON	For Occupant load,Ref. from NBC Part 4,Fire & Life Safety,Table 2
ACTUAL UNIT WIDTH PROVIDED	9240	MM	
EXIT PROVIDED			
1) MAIN EXITS			
SC-01	2	METERS	
SC-02	2	METERS	
SC-03	2	METERS	
SC-04	2	METERS	
SC-05	2	METERS	
SC-06	2	METERS	
TOTAL	12	METERS	
PASSAGES	2.65	METERS EVERYWHERE	

ST-02 TO ST-05 ARE COMMON FOR 09 NOS BUILDING ALL STAIRCASES HAVE RISER=150MM,TREAD=300MM



4 TYPICAL TOILET LAYOUT
SCALE 1:100



5 TYPICAL TOILET LAYOUT
SCALE 1:100

ARCHITECT:
DESIGN FORUM INTERNATIONAL
B-87, KAILASH COLONY
NEW DELHI
TEL : 011 - 46566600

STRUCTURE CONSULTANT:
VINTECH CONSULTANTS
C-29, PUSHPAN ENCLAVE, GWALIOR-474.009 (
NEW DELHI, DELHI 110048
M: 011-4164 7272

MEP CONSULTANT:
SANELAC CONSULTANTS PVT LTD
B-1/E-1, Mohan Cooperative Industrial Estate, Mathura Road,
Tel: 26995515, 41503699

NOTES:
1. ALL DIMENSIONS ARE IN MM.
2. GATE AND BOUNDARY WALL SHALL BE AS PER STANDARD DESIGN.
3. SPRINKLERS WILL BE PROVIDED IN ENTIRE BUILDING INCLUDING BASEMENTS AS PER N.B.C.
4. RAIN WATER HARVESTING SYSTEM WILL BE PROVIDED AS PER APPLICABLE NORMS.
5. 100% POWER BACK UP WILL BE PROVIDED FOR LIFTS & ESSENTIAL SERVICE AREAS.
6. DISABLED RAMP @ 1:12 SLOPE WITH HANDRAILINGS.
7. ALL BUILDINGS ARE MECHANICALLY VENTILATED AND FULLY AIR CONDITIONED.

PROJECT:

PART OCCUPATION CERTIFICATE OF (GROUND FLOOR+3(P)+3rd FLOOR), BASEMENT-1 & 2, FALLING IN THE COMMERCIAL COLONY OVER AN AREA MEASURING 4.418 ACRES (LICENCE NO. - 167 OF 2008 DATED 08.12.2008) IN SECTOR 66, GURUGRAM DEVELOPED BY ILC (INDIA) COMPANY PVT. LTD. C/O ADVANCE INDIA PROJECTS LTD.

ARCHITECT'S SIGNATURE:

CLIENT'S SIGNATURE:

DRAWING TITLE:
FIRST FLOOR PLAN
(FAR AREA)

DRAWING NO:
16.A

NORTH:

SCALE:
AS MENTION

DATE:
31/07/2023