FIRE - FIGHTING LEGEND	
SYMBOL	DESCRIPTION
(A)	150Ø MS FIRE PIPE GROUND TO10th FLOOR WING- A,B&C LOWER ZONE
(A)	150Ø MS FIRE PIPE UPPER ZONE 11th TO 23th FL. WING- A & WING C 11th to16 FLOOR UPPER ZONE
(B)	150Ø MS SPRINKLER PIPE GROUND TO10th FLOOR WING- A,B&C LOWER ZONE
(B)	150Ø MS SPRINKLER PIPE UPPER ZONE 11th TO 23TH FL. WING- A & WING C 11th TO16th FLOOR UPPER ZONE
(C)	50Ø DRAIN PIPE
(D)	80Ø DRAIN PIPE
(E)	150Ø MS SPRINKLER ALTERNATE RISER GROUND TO10th FLOOR WING- A & C LOWER ZONE
(F)	150Ø MS SPRINKLER ALTERNATE RISER UPPER 11th TO 23th FL. WING- A & WING C 11th TO16th FLOOR UPPER ZONE
	4.5 KG CO2 TYPE EXTINGUISHER
	6 KG ABC TYPE FIRE EXTINGUISHER
	PENDENT SPRINKLER
	UP-RIGHT SPRINKLER
FHC	FIRE HOSE CABINET
ARV	AIR RELEASE VALVE
ACT	AIR CUSHION TANK

TOILET INTERNAL DETAIL	
SYMBOL	ABBREVIATION
(A)	100Ø SOIL PIPE
(B)	100Ø WASTE PIPE
(C)	50Ø WASTE PIPE
(D)	400 WASTE PIPE
(E)	100Ø SOIL PIPE
FD	FLOOR DRAIN
FT	FLOOR TRAP
UT	URINAL TRAP
	150X150 CUTOUT
COP	CLEAN OUT PLUG
FCO	FLOOR CLEAN OUT

SHAFT PIPE DETAIL

SYMBOL	ABBRVIATION	DESCRIPTION
(1a)	SP	150Ø SOIL PIPE
(1)	SP	100Ø SOIL PIPE
(2b)	WP	150Ø WASTE PIPE
(2)	WP	100Ø WASTE PIPE
(2a)	WP	100Ø WASTE PIPE FOR AHU
(3a)	AP	100Ø ANTI-SIPHONAGE PIPE
(3)	AP	75Ø ANTI-SIPHONAGE PIPE
(4)	DWS	DOMESTIC WATER SUPPLY PIPE
(4a)	DWS	DOMESTIC WATER SUPPLY PIPE RETAIL/BASEMENT
(5)	FWS	FLUSHING WATER SUPPLY PIPE
(6a)	DWS	DOMESTIC WATER SUPPLY PIPE FOR RETAIL/BASEMENT
(6)	DWSR	DOMESTIC WATER SUPPLY RISER
(7)	FWSR	FLUSHING WATER SUPPLY RISER
(8)	SWSR	SOFT WATER SUPPLY RISER
(9)	P.D.	100Ø SWIMMING POOL DRAIN PIPE
(R)	RWP	200Ø RAIN WATER PIPE TERRACE
(R)	RWP	100Ø RAIN WATER PIPE (BALCONY)
		600MM WIDE SHAFT ACCESS DOOR

SERVICE AREA (SIXTEENTH FLOOR) DETAIL

			Dimension (in meters) Length	Breadth	Calculation	Answer	Unit
S1	Rectange	1	1.850	1.000	Length X breadth	1.850	sqm.
S2	Rectange	1	4.700	5.800	Length X breadth	27.260	sqm.
S3	Rectange	1	3.000	2.000	Length X breadth	7.000	sqm.
S5	Rectange	1	2.000	1.500	Length X breadth	3.000	sqm.
S6	Rectange	1	5.100	1.250	Length X breadth	6.375	sqm.
S7	Rectange	1	5.300	1.600	Length X breadth	8.480	sqm.
S8	Rectange	1	1.200	2.850	Length X breadth	3.420	sqm.
S9	Rectange	1	1.400	2.450	Length X breadth	3.430	sqm.
S10	Rectange	1	3.850	2.450	Length X breadth	9.310	sqm.
S11	Rectange	1	2.650	1.200	Length X breadth	3.180	sqm.
S12	Rectange	1	2.800	2.950	Length X breadth	8.260	sqm.
S13	Rectange	1	1.850	2.950	Length X breadth	5.310	sqm.
S14	Rectange	1	4.600	7.300	Length X breadth	33.580	sqm.
S15	Rectange	1	1.400	3.500	Length X breadth	7.450	sqm.
S16	Rectange	1	0.900	1.100	Length X breadth	0.990	sqm.
S16a	Rectange	1	0.200	1.400	Length X breadth	0.280	sqm.
S17	Rectange	1	2.500	4.200	Length X breadth	10.500	sqm.
S18	Rectange	1	3.300	7.250	Length X breadth	23.430	sqm.
S19	Rectange	1	6.100	7.250	Length X breadth	43.820	sqm.
							0.000
S39	Rectange	1	7.100	4.200	Length X breadth	29.820	sqm.
S39	Rectange	1	0.800	2.800	Length X breadth	2.240	2.240 sqm.
S40	Rectange	1	1.470	1.500	Length X breadth	2.205	2.205 sqm.
S41	Rectange	1	2.900	5.000	Length X breadth	14.500	14.500 sqm.
S41a	Rectange	1	1.500	0.300	Length X breadth	0.450	0.450 sqm.
S42	Rectange	1	1.800	2.900	Length X breadth	5.220	5.220 sqm.
S43	Rectange	1	1.200	1.950	Length X breadth	2.340	2.340 sqm.
S44	Rectange	1	1.730	5.300	Length X breadth	9.169	9.169 sqm.
S45	Rectange	1	2.730	3.900	Length X breadth	10.647	10.647 sqm.
S46	Rectange	1	0.550	4.750	Length X breadth	2.613	2.613 sqm.
S47	Rectange	1	1.800	2.400	Length X breadth	4.320	4.320 sqm.
S48	Rectange	1	0.800	2.100	Length X breadth	1.680	1.680 sqm.
S49	Rectange	1	1.500	1.200	Length X breadth	1.800	1.800 sqm.
S49a	Rectange	1	1.500	0.200	Length X breadth	0.300	0.300 sqm.
S50	Rectange	1	2.000	4.200	Length X breadth	8.820	8.820 sqm.
S51	Rectange	1	4.600	7.100	Length X breadth	32.660	32.660 sqm.
S52	Rectange	1	4.600	5.700	Length X breadth	26.505	26.505 sqm.
S53	Rectange	1	0.300	2.750	Length X breadth	0.825	0.825 sqm.
	TOTAL SERVICES AREA (SIXTEENTH FLOOR)					205915	0.000 166.114 383.029 sqm.

16Th FLOOR REFUGE AREA CALCULATION	WING-A	WING-B	WING-C	
Covered Area Of 10th & 16th floors	834.118		4134.978	sqm.
Occupancy of 10th & 16th Floor @ 10sq.m. per person	83x 8.12		413.488	Persons
Required refuge area =Occupancy of 10th & 16th floor X 0.3 sq.m.	124.040		124.040	sqm.
Provided refuge area @ 2.7sq.m/person	3.8		2.7	sqm.
REQUIRED REFUGE AREA = @0.3sq.m./Person of 16th & 17th population	**193.923**		**126.748**	**320.673** sqm.

REFUGE AREA CALCULATION					WING-A	WING-B	WING-C	
R1	Rectangle	1	7.030	21.000	Length X breadth	147.630		sqm.
R2	Rectangle	1	10.770	3.280	Length X breadth	35.493		sqm.
R3	Rectangle	1	3.850	3.000	Length X breadth	10.740		sqm.
R4	Rectangle	1	2.280	0.700	Length X breadth	1.596		sqm.
D1 (Less)	Rectangle	1	-1.000	1.450	Length X breadth	-1.450		sqm.
R7	Rectangle	1	6.650	9.780	Length X breadth		65.037	sqm.
R8	Rectangle	1	7.500	3.200	Length X breadth		24.539	sqm.
R9	Rectangle	1	3.100	12.030	Length X breadth		37.293	sqm.
	PROPOSED REFUGE AREA					193.969	126.868	320.837 sqm.

ZONE LINE

FHC TOTTIC

FIRE TRAVELING LINE

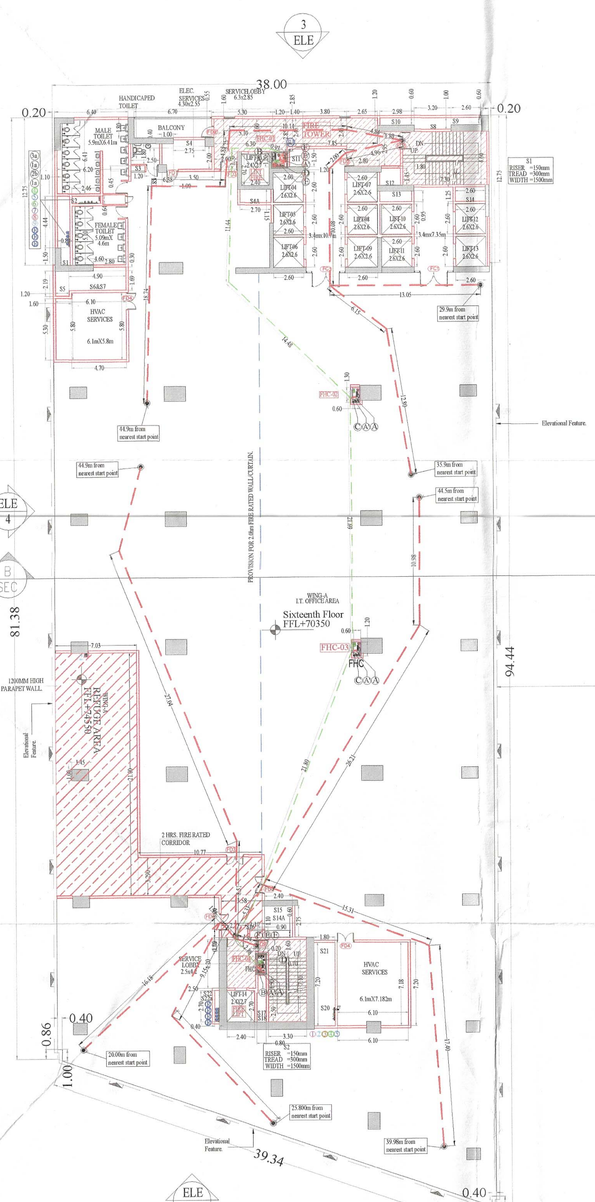
DOOR LEGEND

2 HRS FIRE RATED DOOR

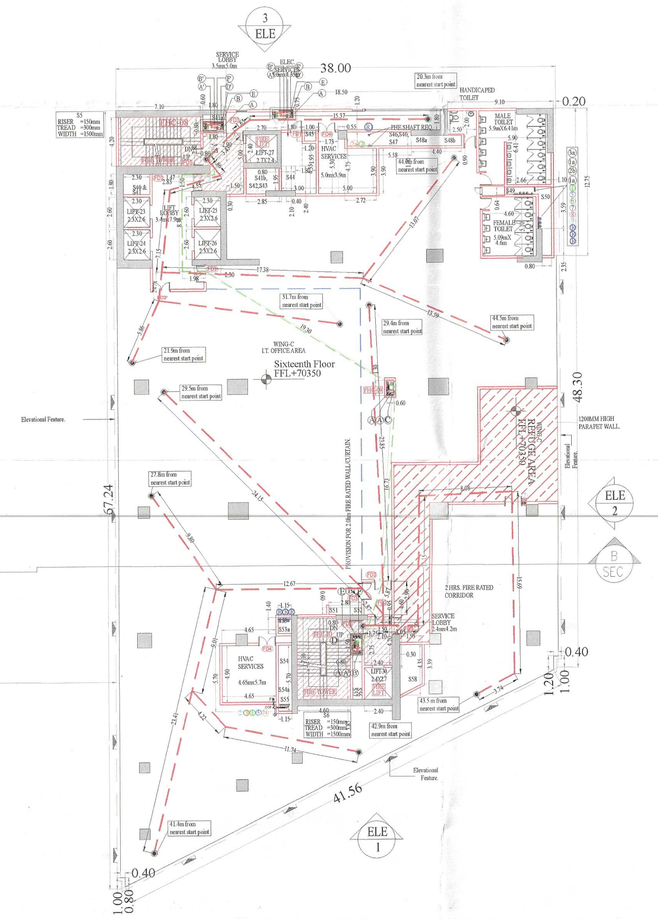
FIRE LIFT

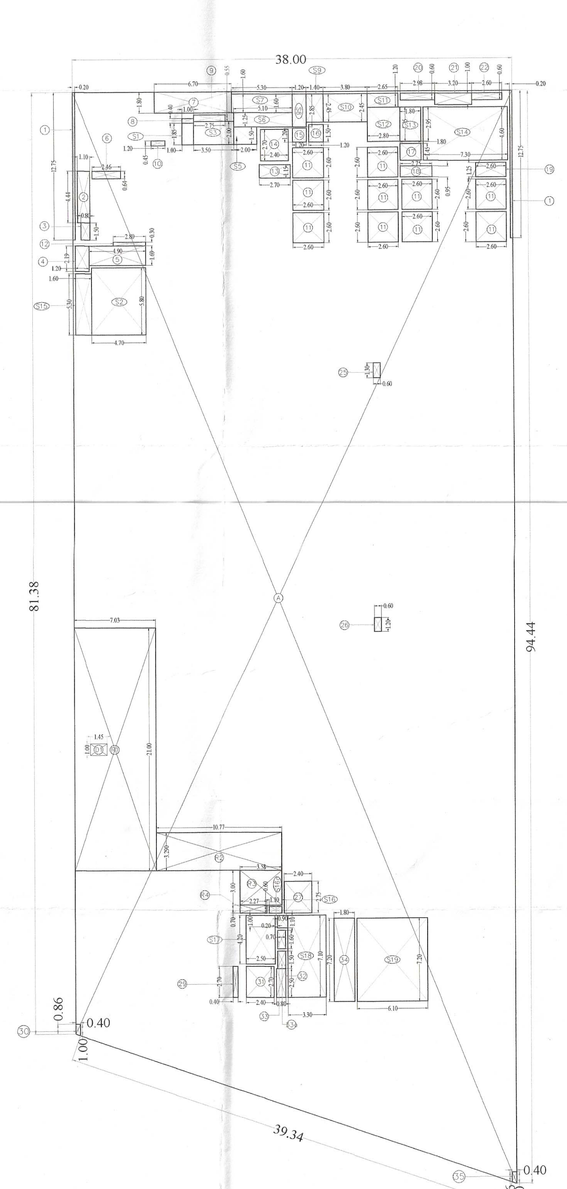
DETAL OF SIXTEENTH FLOOR FAR AREA

			Dimension (in meters) Length	Breadth	Calculation	WING-A	WING-B	WING-C	Answer	Unit
ADDITION										
A	Trapezium	1	81.360	84.440	38.000 1/2 ((L1+L2) X height)	3340.090			3340.090	sqm.
E	Trapezium	1	67.240	48.300	38.000 1/2 ((L1+L2) X height)			2195.260	2195.260	sqm.
ADDITION						3340.500	0.000	2195.260	5535.540	sqm.
DEDUCTION (S)										
			Dimension (in meters) Length	Breadth	Calculation	WING-A	WING-B	WING-C	Answer	Unit
1	Rectangle	1	5.200	12.750	Length X breadth	5.100			5.100	sqm.
2	Rectangle	1	1.100	4.440	Length X breadth	4.884			4.884	sqm.
3	Rectangle	1	0.800	1.500	Length X breadth	1.200			1.200	sqm.
4	Rectangle	1	1.200	2.190	Length X breadth	2.628			2.628	sqm.
5	Rectangle	1	4.900	1.690	Length X breadth	8.281			8.281	sqm.
6	Rectangle	1	2.460	0.840	Length X breadth	1.574			1.574	sqm.
7	Rectangle	1	8.700	1.800	Length X breadth	12.060			12.060	sqm.
8	Rectangle	1	1.000	0.400	Length X breadth	0.402			0.400	sqm.
9	Rectangle	1	2.750	0.500	Length X breadth	1.373			1.375	sqm.
10	Rectangle	1	1.200	0.450	Length X breadth	0.540			0.540	sqm.
11	Rectangle	10	2.600	2.600	Length X breadth	67.600			67.600	sqm.
12	Rectangle	1	2.800	0.300	Length X breadth	0.840			0.840	sqm.
13	Rectangle	1	3.100	1.150	Length X breadth	3.565			3.565	sqm.
14	Rectangle	1	2.400	2.700	Length X breadth	6.480			6.480	sqm.
15	Rectangle	1	1.200	1.200	Length X breadth	1.440			1.440	sqm.
16	Rectangle	1	1.200	1.500	Length X breadth	1.800			1.800	sqm.
17	Rectangle	1	1.800	1.450	Length X breadth	2.610			2.610	sqm.
18	Rectangle	1	2.150	0.950	Length X breadth	2.013			2.013	sqm.
19	Rectangle	1	2.850	1.250	Length X breadth	3.563			3.350	sqm.
20	Rectangle	1	2.900	0.600	Length X breadth	1.788			1.788	sqm.
21	Rectangle	1	3.200	1.000	Length X breadth	3.200			3.200	sqm.
22	Rectangle	1	2.400	0.600	Length X breadth	1.560			1.560	sqm.
23	Rectangle	1	0.600	1.300	Length X breadth	0.780			0.780	sqm.
24	Rectangle	1	0.800	1.200	Length X breadth	0.720			0.720	sqm.
27	Rectangle	1	2.400	2.750	Length X breadth	6.600			6.600	sqm.
28	Rectangle	1	1.300	0.600	Length X breadth	0.660			0.660	sqm.
29	Rectangle	1	2.700	0.400	Length X breadth	1.080			1.080	sqm.
30	Trapezium	1	0.860	1.000	0.400 1/2 ((L1+L2) X height)	0.372			0.372	sqm.
31	Rectangle	1	2.400	2.750	Length X breadth	6.480			6.480	sqm.
32	Rectangle	1	0.800	2.500	Length X breadth	2.000			2.000	sqm.
33	Rectangle	1	0.700	1.600	Length X breadth	1.120			1.120	sqm.
33a	Rectangle	1	0.700	1.500	Length X breadth	1.050			1.050	sqm.
34	Rectangle	1	1.800	7.200	Length X breadth	12.960			12.960	sqm.
35	Trapezium	1	0.860	1.000	0.400 1/2 ((L1+L2) X height)	0.372			0.372	sqm.
63	Rectangle	1	2.300	1.800	Length X breadth		4.140	4.140		sqm.
64	Rectangle	4	2.300	2.600	Length X breadth		23.920	23.920		sqm.
66	Rectangle	1	2.800	2.400	Length X breadth		6.480	6.480		sqm.
67	Rectangle	1	2.800	1.850	Length X breadth		5.558	5.558		sqm.
68	Rectangle	1	1.000	2.100	Length X breadth		0.840	0.840		sqm.
69	Rectangle	1	1.800	0.800	Length X breadth		1.440	1.440		sqm.
69	Rectangle	1	1.800	0.600	Length X breadth		1.080	1.080		sqm.
70	Rectangle	1	10.500	1.800	Length X breadth		33.300	33.300		sqm.
70a	Rectangle	1	1.000	0.750	Length X breadth		0.700	0.750		sqm.
71	Rectangle	1	5.540	1.200	Length X breadth		6.696	6.696		sqm.
72	Rectangle	1	4.400	0.900	Length X breadth		3.960	3.960		sqm.
73	Rectangle	1	2.660	0.640	Length X breadth		1.702	1.702		sqm.
74	Rectangle	1	0.200	12.750	Length X breadth		2.550	2.550		sqm.
75	Rectangle	1	1.100	3.500	Length X breadth		3.949	3.949		sqm.
76	Rectangle	1	0.800	2.350	Length X breadth		1.880	1.880		sqm.
79	Rectangle	1	0.600	1.300	Length X breadth		0.780	0.780		sqm.
80	Rectangle	1	0.900	1.500	Length X breadth		1.200	1.200		sqm.
81	Rectangle	1	2.400	0.600	Length X breadth		1.680	1.680		sqm.
82	Rectangle	1	4.100	1.400	Length X breadth		1.610	1.610		sqm.
83	Rectangle	1	1.100	8.700	Length X breadth		8.585	8.585		sqm.
84	Rectangle	1	0.800	3.650	Length X breadth		3.080	3.080		sqm.
85	Rectangle	1	2.400	2.700	Length X breadth		6.480	6.480		sqm.
86	Trapezium	1	4.350	3.350	1.600 1/2 ((L1+L2) X height)		7.469	7.469		sqm.
87	Trapezium	1	1.200	1.000	0.400 1/2 ((L1+L2) X height)		0.440	0.440		sqm.
88	Trapezium	1	1.000	0.000	0.400 1/2 ((L1+L2) X height)		0.360	0.360		sqm.
TOTAL DEDUCTION (X)						168.922	0.000	127.899	296.421	sqm.
TOTAL FAR AREA ON SIXTEENTH FLOOR (Total Addition - Total Deduction X+SERVICES AREA						2771.220		1764.592	4076.391	sqm.
TOTAL COVERED AREA OF SIXTEENTH FLOOR =(ADDITION-DEDUCTION)						3172.555	0.000	2067.361	5239.419	sqm.

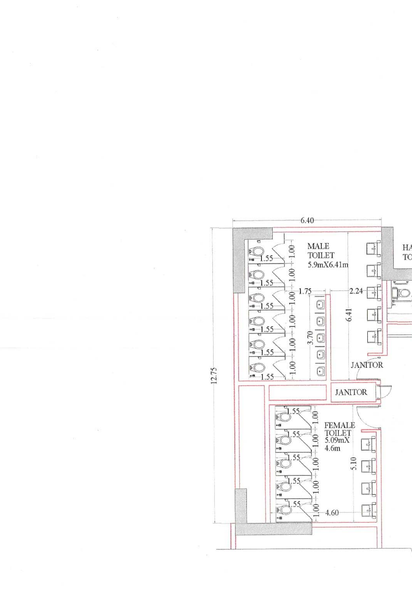


SIXTEENTH FLOOR PLAN
70.35M

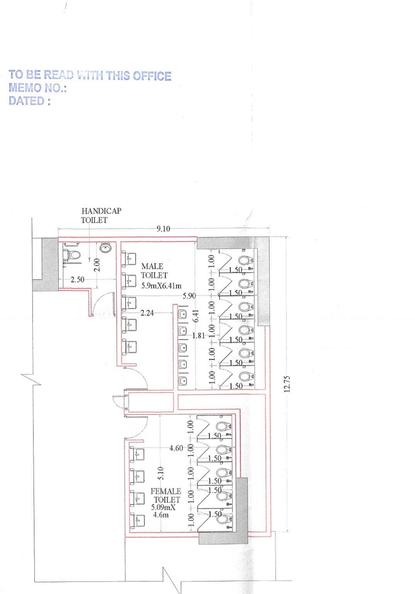




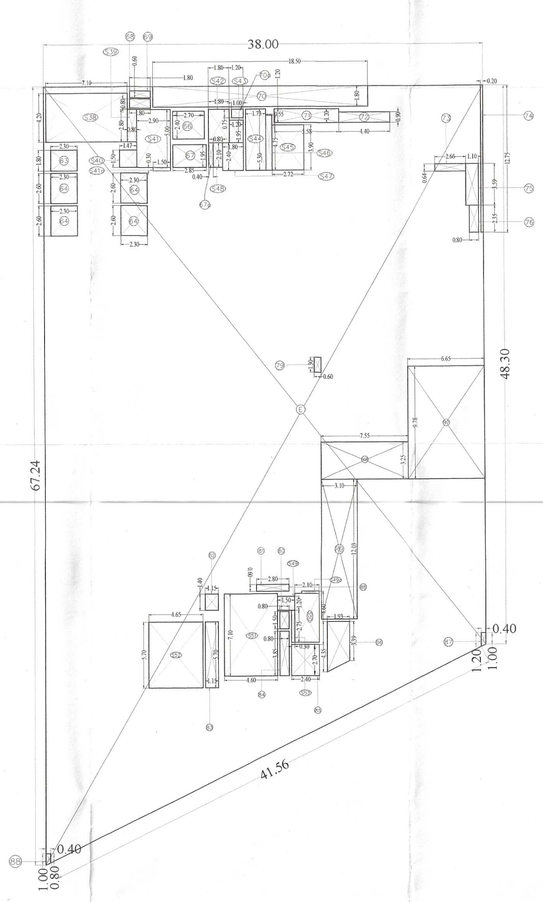
AREA DIAGRAM
SIXTEENTH FLOOR PLAN



TOILET BLOW UP
WING-A



TOILET BLOW UP
WING-C



This is a "PROVISIONAL BUILDING PLAN" approved only for the purpose of inviting Objections from the general public

S.T.P. (HQ) Member Secretary B.P.K.C.

S.T.P. (G) Member B.P.A.C.

CEP (HR) Chairman B.P.A.C.

DTP(HQ)

S.D.

PA

ATP(HQ)

S.T.P.

DINESH KUMAR PANDIJ

TO BE READ WITH THIS OFFICE MEMO NO.: DATED :

NOTES:-
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
2. ALL BUILDING EXCLUDING BASEMENTS FULLY AIR CONDITIONED AS PER N.B.C. NORMS.
3. ALL BASEMENTS ARE MECHANICALLY LIGHTED AND VENTILATED AS PER N.B.C. NORMS.
4. ALL BUILDING INCLUDING BASEMENT FULLY SPRINKLERED AS PER N.B.C. NORMS.
5. ALL PARTITION WALLS IN TOILET ARE 2400 HIGH.
6. ALL TOILETS ARE MECHANICALLY VENTILATED AND LIGHTED.

JD (HQ) Mumbai BPAC

Door Window Schedule

S. No.	Tag	Size Width	Height	Cill	Lintel	Remarks
1	D1	700	2400		2400	DOOR
2	D2	900	2400		2400	DOOR
3	D3	1000	2400		2400	TOILET MAIL DOOR
4	D4	1200	2400		2400	FAN ROOM DOOR
5	D5	1500	2400		2400	SERVICE LOBBY DOOR
6	D6	2000	2400		2400	ENTRANCE GLASS DOOR
7	D7	1000	2400		2400	
8	D8	900	2400		2400	JANITORS DOOR
9	D9	2400	2400		2400	ISOLATOR ROOM DOOR
10	D10	1200	2400		2400	METER ROOM DOOR
11	D11	3000	2400		2400	ISOLATOR ROOM DOOR
12	D12	1000	2400		2400	DOOR
13	D13	1500	2400		2400	DOOR
14	D14	1150	2400		2400	DOOR
15	D15	1150	2400		2400	GUARD ROOM DOOR
16	D16	1150	2400		2400	DOOR
17	RS1	3000	3000		3000	TRF ROOM ROLLING SHUTTER
18	FD1	1000	2400		2400	FIRE DOOR
19	FD2	1150	2400		2400	FIRE DOOR
20	FD2P	1550	2400		2400	FIRE DOOR
21	FD2P	1500	2400		2400	FIRE DOOR
22	FD2	1150	2400		2400	FIRE DOOR
23	FD5	2000	2400		2400	FIRE DOOR
24	FD6	2150	2400		2400	FIRE DOOR
25	FD7	2350	2400		2400	FIRE DOOR
26	FD8	1700	2400		2400	FIRE DOOR
27	FD9	1550	2400		2400	FIRE DOOR
28	FD10	1150	2400		2400	FIRE DOOR
29	FD11	1150	2400		2400	FIRE DOOR
30	FC1	3400	4400			FIRE RATED GLASS DOOR (GLAZING
31	FC2	8700	9900			FIRE CURTAIN
32	FC3	4500	8700			FIRE CURTAIN
33	FC4	8600	9900			FIRE CURTAIN
34	FGL1	2485	2400		2400	GLASS FIRE DOORS
35	FGL2	2800	2400		2400	GLASS FIRE DOORS
36	DP1	1050	2100	900	2100	FACADE WINDOW
37	W1	1220	1100	1200	2300	WINDOW
38	W2	2800	900	1000	3000	WINDOW
40	FW1	1200	2150	250	2400	OFFICE LIFT LOBBY
41	FW2	2500	2150	250	2400	OFFICE LIFT LOBBY
42	FW3	2950	2150	250	2400	OFFICE LIFT LOBBY
43	FW4	3600	2150	250	2400	OFFICE LIFT LOBBY
44	SD1	1500	2300	100	2400	TENENT SHAFT DOOR
45	SD2	900	2300	100	2400	FHC
48	SD5	1500	2300	100	2400	FIRE MAIN PIPE SHAFT
47	SD7	1000	2400	100	2300	SHAFT DOOR
48	GL1	39934	69430			GLAZING
49	GL2	75395	82625			GLAZING
50	GL3	88340	69430			GLAZING
51	GL4	1500	9900		9900	GLAZING
52	GL4a	3735	9900		9900	GLAZING
53	GL5	1800	9900		9900	GLAZING
54	GL6	17466	9900		9900	GLAZING
55	GL7	10040	9900		9900	GLAZING
56	GL8	28718	42625			GLAZING
57	GL9	87100	42625			GLAZING
58	GL10	96435	35800			GLAZING
59	GL11	66520	52670			GLAZING
60	GL12	42195	52670			GLAZING
61	GL13	42205	46870			GLAZING

Note: ALL FIRE DOORS ARE TO BE 2 HRS. FIRE RATED.

OWNER'S SIGNATURE

ARCHITECT'S SIGNATURE
CA/92/14687

KAMAL RATRA
CA/92/14687

OWNER:-

Authorised Signatory

PROJECT:-

Revised Building Plans of IT Park/Cyber Park colony over an area measuring 6.1375acres falling in the revenue estate of village Maidawas, sector -66 Gurugram, being developed by Advance India Projects limited under License No 112 of 2012 dated 27.10.2012

DRG. TITLE:-

SIXTEENTH FLOOR PLAN
AREA DIAGRAM AND CALCULATION

Structural Design Approved Vide Letter No. ADIPL/2025/03/25 Dated 25/03/25

DRG. NO. :
S-18

Structural Engineer
Ajay Kumar Garg
Haryana, Panchkula

SCALE
1:250

DATE
08.03.25