FIRE - FIGHTING LEGEND

SYMBOL	DESCRIPTION
(A)	1500 MS FIRE PIPE GROUND TO10th FLOOR WING- A,B&C LOWER ZONE
(A)	1500 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)	100Ø 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
	UPRIGHT SPRINKLER
	FIRE HOSE CABINET
ARV	AIR RELEASE VALVE
ACT	AIR CUSHION TANK

SHAFT PIPE DETAIL

SYMBOL	ABBRIVIATION	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
5a	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

TOILET INTERNAL DETAIL

SYMBOL	ABBRIVIATION
(A)	100Ø SOIL PIPE
(B)	100Ø WASTE PIPE
(C)	50Ø WASTE PIPE
(D)	40Ø WASTE PIPE
(E)	40Ø SOIL PIPE
FD	FLOOR DRAIN
FT	FLOOR TRAP
UT	URINAL TRAP
⊡	150X150 CUTOUT
COP	CLEAN OUT PLUG
FCO	FLOOR CLEAN OUT

SERVICE AREA (THIRTEENTH FLOOR) DETAIL

S1	Rectangle	1	1.850	1.000	Length X breadth	1.850	sqm.
S2	Rectangle	1	4.700	5.800		27.260	sqm.
S3	Rectangle	1	3.500	2.000	Length X breadth	7.000	sqm.
S4	Rectangle	1	2.000	1.500	Length X breadth	3.000	sqm.
S5	Rectangle	1	5.100	1.900	Length X breadth	9.690	sqm.
S7	Rectangle	1	5.300	2.880	Length X breadth	6.480	sqm.
S8	Rectangle	1	1.600	2.250	Length X breadth	3.420	sqm.
S9	Rectangle	1	1.400	2.450	Length X breadth	3.430	sqm.
S10	Rectangle	1	3.860	2.450	Length X breadth	9.310	sqm.
S11	Rectangle	1	2.650	1.360	Length X breadth	3.180	sqm.
S12	Rectangle	1	2.800	2.950	Length X breadth	8.260	sqm.
S13	Rectangle	1	1.800	2.950	Length X breadth	5.310	sqm.
S14	Rectangle	1	4.600	7.300	Length X breadth	33.580	sqm.
S15	Rectangle	1	1.400	5.300	Length X breadth	7.420	sqm.
S16	Rectangle	1	0.900	1.100	Length X breadth	0.990	sqm.
S16a	Rectangle	1	0.300	1.000	Length X breadth	0.300	sqm.
S17	Rectangle	1	2.500	4.202	Length X breadth	10.500	sqm.
S18	Rectangle	1	3.300	2.100	Length X breadth	23.430	sqm.
S19	Rectangle	1	6.100	7.200	Length X breadth	43.920	sqm.
						0.000	sqm.
S38	Rectangle	1	7.100	4.200	Length X breadth	29.820	sqm.
S39	Rectangle	1	0.800	2.850	Length X breadth	2.340	sqm.
S40	Rectangle	1	1.470	1.500	Length X breadth	2.205	sqm.
S41	Rectangle	1	4.400	3.500	Length X breadth	14.900	sqm.
S41a	Rectangle	1	1.000	0.300	Length X breadth	0.450	sqm.
S42	Rectangle	1	1.800	2.900	Length X breadth	5.220	sqm.
S43	Rectangle	1	1.200	1.800	Length X breadth	2.340	sqm.
S44	Rectangle	1	1.730	5.300	Length X breadth	9.169	sqm.
S45	Rectangle	1	2.720	3.963	Length X breadth	10.647	sqm.
S46	Rectangle	1	0.550	4.750	Length X breadth	2.613	sqm.
S47	Rectangle	1	1.800	2.800	Length X breadth	4.320	sqm.
S48	Rectangle	1	0.800	2.500	Length X breadth	1.680	sqm.
S48a	Rectangle	1	1.500	1.200	Length X breadth	1.800	sqm.
S49a	Rectangle	1	1.000	0.200	Length X breadth	0.300	sqm.
S50	Rectangle	1	2.100	4.200	Length X breadth	8.820	sqm.
S51	Rectangle	1	4.600	2.500	Length X breadth	32.660	sqm.
S52	Rectangle	1	4.600	8.700	Length X breadth	26.500	sqm.
S53	Rectangle	1	1.000	0.700	Length X breadth	0.805	sqm.
	TOTAL SERVICES AREA (THIRTEENTH FLOOR)					306.915	0.000	306.9339	sqm.

13TH FLOOR REFUGE AREA CALCULATION	WING-A	WING-B	WING-C	
Covered Area Of 12th & 13th Floor @ 1sq.m. per person	5790.680	0.000	4134.893	sqm.
Occupancy of 12th & 13th Floor @ 3Sq.m. /per person	579.068	0.000	413.485	persons
Required refuge area = Population of 12th & 13th floor X 0.3 sq.m.	173.720	0.000	124.046	sqm.
Additional area of 0.5sq.m. per 200 persons for wheel chairs	3.6		2.7	sqm.
REQUIRED REFUGE AREA = @0.3sq.m./Persons of 12th & 13th population	**177.320**	**0.000**	**126.746**	**304.066** sqm.

REFUGE AREA CALCULATION						WING-A	WING-B	WING-C	
R1	Rectangle	1	7.300	21.000	Length X breadth	153.300			sqm.
R2	Rectangle	1	10.510	2.700	Length X breadth	28.377			sqm.
R3	Rectangle	1	3.980	3.000	Length X breadth	10.740			sqm.
R4	Rectangle	1	2.250	0.700	Length X breadth	1.575			sqm.
D1 (Less)	Rectangle	1	-1.000	1.450	Length X breadth	-1.450			
R7	Rectangle	1	6.460	9.790	Length X breadth			65.037	sqm.
R8	Rectangle	1	7.550	3.250	Length X breadth			24.538	sqm.
R9	Rectangle	1	3.100	12.200	Length X breadth			37.393	sqm.
PROPOSED REFUGE AREA						**192.542**	**0.000**	**126.968**	**319.410** sqm.

DETAIL OF THIRTEENTH FLOOR FAR AREA

ADDITION

Description	Type	Number	Dimension (in meters) Length	Breadth	Calculation	WING-A	WING-B	WING-C	Answer	Unit
A	Trapezium	1	81.380	94.440	38.000 1/2 ((L1+L2) X height)	3340.580			3340.580	sqm.
B	Trapezium	1	67.240	48.300	38.000 1/2 ((L1+L2) X height)			2195.260	2195.260	sqm.
ADDITION						**3340.580**	**0.000**	**2195.260**	**5535.840**	**sqm.**

DEDUCTION (X)

Description	Type	Number	Dimension (in meters) Length	Breadth	Calculation	WING-A	WING-B	WING-C	Answer	Unit
1	Rectangle	2	0.200	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	1.500	0.900	Length X breadth	1.350			1.350	sqm.
4	Rectangle	1	1.200	2.190	Length X breadth	2.628			2.628	sqm.
5	Rectangle	1	0.400	1.640	Length X breadth	0.656			0.656	sqm.
6	Rectangle	1	2.400	1.640	Length X breadth	1.574			1.574	sqm.
7	Rectangle	1	6.700	1.800	Length X breadth	12.060			12.060	sqm.
8	Rectangle	1	1.000	0.400	Length X breadth	0.400			0.400	sqm.
9	Rectangle	1	2.750	0.550	Length X breadth	1.375			1.375	sqm.
10	Rectangle	1	1.200	0.450	Length X breadth	0.540			0.540	sqm.
11	Rectangle	19	2.600	2.600	Length X breadth	67.600			67.600	sqm.
12	Rectangle	1	2.600	0.300	Length X breadth	0.840			0.840	sqm.
13	Rectangle	1	2.700	1.150	Length X breadth	3.105			3.105	sqm.
14	Rectangle	1	2.700	1.150	Length X breadth	3.105			3.105	sqm.
15	Rectangle	1	2.400	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	2.750	0.950	Length X breadth	2.613			2.613	sqm.
19	Rectangle	1	2.600	1.250	Length X breadth	3.250			3.250	sqm.
20	Rectangle	1	2.980	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	2.900	0.600	Length X breadth	1.560			1.560	sqm.
25	Rectangle	1	0.600	1.200	Length X breadth	0.720			0.720	sqm.
26	Rectangle	1	0.600	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	1.100	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	1.500	1.200	Length X breadth	1.800			1.800	sqm.
33a	Rectangle	1	0.700	1.500	Length X breadth	1.050			1.050	sqm.
34	Rectangle	1	1.800	2.200	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.
36	Rectangle	1	15.080	8.580	Length X breadth			129.386	129.386	sqm.
37	Rectangle	1	15.080	9.750	Length X breadth			146.278	146.278	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.
65	Rectangle	1	2.300	1.450	Length X breadth	3.335			3.335	sqm.
66	Rectangle	1	2.550	1.450	Length X breadth	3.698			3.698	sqm.
67a	Rectangle	1	0.400	2.100	Length X breadth	0.840			0.840	sqm.
68	Rectangle	1	1.800	0.900	Length X breadth	1.440			1.440	sqm.
68a	Rectangle	1	1.000	0.600	Length X breadth	1.080			1.080	sqm.
70	Rectangle	1	16.500	1.800	Length X breadth	33.300			33.300	sqm.
70a	Rectangle	1	1.000	0.750	Length X breadth	0.750			0.750	sqm.
71	Rectangle	1	5.550	1.200	Length X breadth	6.096			6.096	sqm.
72	Rectangle	1	4.400	0.900	Length X breadth	3.960			3.960	sqm.
73	Rectangle	1	4.400	0.900	Length X breadth	3.960			3.960	sqm.
74	Rectangle	1	2.250	0.750	Length X breadth	1.592			1.592	sqm.
75	Rectangle	1	1.100	3.590	Length X breadth	3.949			3.949	sqm.
76	Rectangle	1	0.800	2.300	Length X breadth	1.680			1.680	sqm.
79	Rectangle	1	0.000	1.300	Length X breadth	0.780			0.780	sqm.
80	Rectangle	1	0.800	1.500	Length X breadth	1.200			1.200	sqm.
81	Rectangle	1	2.800	0.800	Length X breadth	1.680			1.680	sqm.
82	Rectangle	1	1.150	1.400	Length X breadth	1.610			1.610	sqm.
83	Rectangle	1	1.150	5.700	Length X breadth	6.555			6.555	sqm.
84	Rectangle	1	0.000	3.850	Length X breadth			3.000	3.000	sqm.
85	Rectangle	1	2.400	2.700	Length X breadth			6.480	6.480	sqm.
86	Trapezium	1	4.350	3.350	1.930 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	0.600	0.400 1/2 ((L1+L2) X height)			0.360	0.360	sqm.
TOTAL DEDUCTION (X)						**444.594**	**0.000**	**127.959**	**572.083**	**sqm.**
TOTAL FAR AREA ON THIRTEENTH FLOOR (Total Addition - Total Deduction X+SERVICES AREA						**3512.057**	**0.000**	**1784.559**	**4296.663**	**sqm.**
TOTAL COVERED AREA OF THIRTEENTH FLOOR +(ADDITION-DEDUCTION)						**3896.366**	**0.000**	**2067.361**	**4963.787**	**sqm.**

SHAFTS SCHEDULE (WING-A)

ITEMS	PERTICULERS
S1	HVAC SERVICES SHAFT
S2	PLUMBING SERVICES SHAFT
S3	ELECTRICAL SERVICES SHAFT
S4	ELECTRICAL SERVICES SHAFT
S4A	HVAC SERVICES SHAFT
S5	HVAC SERVICES SHAFT
S6&S7	HVAC SERVICES SHAFT
S8	HVAC SERVICES SHAFT
S9	ELECTRICAL SERVICES SHAFT
S10	HVAC SERVICES SHAFT
S11	HVAC SERVICES SHAFT
S12	ELECTRICAL SERVICES SHAFT
S13	HVAC SERVICES SHAFT
S14	HVAC SERVICES SHAFT
S14a	HVAC SERVICES SHAFT
S15	ELECTRICAL SERVICES SHAFT
S16	ELECTRICAL SERVICES SHAFT
S17	HVAC SERVICES SHAFT
S18	HVAC SERVICES SHAFT
S19	HVAC SERVICES SHAFT
S20	HVAC SERVICES SHAFT
S21	HVAC SERVICES SHAFT
S22	PLUMBING SERVICES SHAFT
S22a	PLUMBING SERVICES SHAFT

SHAFTS SCHEDULE (WING-B)

ITEMS	PERTICULERS
S23	ELECTRICAL SERVICES SHAFT
S23a	ELECTRICAL SERVICES SHAFT
S24	HVAC SERVICES SHAFT
S25	HVAC SERVICES SHAFT
S26&S26a	PLUMBING SERVICES SHAFT
S27	HVAC SERVICES SHAFT
S28	ELECTRICAL SERVICES SHAFT
S29	ELECTRICAL SERVICES SHAFT
S30	HVAC SERVICES SHAFT
S31	HVAC SERVICES SHAFT
S32	HVAC SERVICES SHAFT
S33	HVAC SERVICES SHAFT
S34	HVAC SERVICES SHAFT
S34b	HVAC SERVICES SHAFT
S35	ELECTRICAL SERVICES SHAFT
S35a	ELECTRICAL SERVICES SHAFT
S36	ELECTRICAL SERVICES SHAFT
S37	HVAC SERVICES SHAFT
S38	HVAC SERVICES SHAFT
S38A	HVAC SERVICES SHAFT

SHAFTS SCHEDULE (WING-C)

ITEMS	PERTICULERS
S40	HVAC SERVICES SHAFT
S41	HVAC SERVICES SHAFT
S41a	ELECTRICAL SERVICES SHAFT
S42	HVAC SERVICES SHAFT
S43	HVAC SERVICES SHAFT
S44	ELECTRICAL SERVICES SHAFT
S45	ELECTRICAL SERVICES SHAFT
S46	HVAC SERVICES SHAFT
S47	HVAC SERVICES SHAFT
S48	HVAC SERVICES SHAFT
S48a	HVAC SERVICES SHAFT
S48b	HVAC SERVICES SHAFT
S49	PLUMBING SERVICES SHAFT
S50	HVAC SERVICES SHAFT
S51	ELECTRICAL SERVICES SHAFT
S51a	ELECTRICAL SERVICES SHAFT
S52	ELECTRICAL SERVICES SHAFT
S52a	ELECTRICAL SERVICES SHAFT
S53	PLUMBING SERVICES SHAFT
S53a	HVAC SERVICES SHAFT
S54	HVAC SERVICES SHAFT
S54a	HVAC SERVICES SHAFT
S55	HVAC SERVICES SHAFT
S56	HVAC SERVICES SHAFT
S57	HVAC SERVICES SHAFT
S58	ELECTRICAL SERVICES SHAFT

ZONE LINE

FHC TO FHC

FIRE TRAVELING LINE

DOOR LEGEND

2 HRS FIRE RATED DOOR

FIRE LIFT

THIRTEENTH FLOOR PLAN
57.75M

TOILET BLOW UP WING-A

TOILET BLOW UP WING-C

AREA DIAGRAM
THIRTEENTH FLOOR PLAN

TO BE READ WITH THIS D MEMO NO:- DATED:-

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

STP (HQ) Member Secretary B.P.A.C.

STP (D) Member B.P.A.C.

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

DTP(HQ)

ATP(HQ)

JD PA E.T.P.

DINESH KUMAR PANCHAL

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) Member BPAC

Door Window Schedule

S. No.	Tag	Size Width	Height	Sill	Lintel	Remarks
1	D01	700	2400		2400	DOOR
2	D02	900	2400		2400	DOOR
3	D03	1000	2400		2400	TOILET MAIN DOOR
4	D04	1000	2400		2400	TOILET FAN ROOM DOOR
5	D05	1500	2400		2400	SERVICE LOBBY DOOR
6	D06	2000	2400		2400	ENTRANCE GLASS DOOR
7	D07	1000	2400		2400	
8	D08	900	2400		2400	JANITORS DOOR
9	D09	2400	2400		2400	ISOLATOR ROOM DOOR
10	D10	1200	2400		2400	ISOLATOR ROOM DOOR
11	D11	3000	2400		2400	ISOLATOR ROOM DOOR
12	D12	1100	2400		2400	DOOR
13	D13	1500	2400		2400	DOOR
14	D14	2700	2400		2400	DOOR
15	D15	750	2400		2400	GUARD ROOM DOOR
16	D16	2500	2400		2400	DOOR
17	RS1	3000	3000		3000	TRF ROOM ROLLING SHUTTER
18	FD1	1000	2400		2400	FIRE DOOR
19	FD5	1500	2400		2400	FIRE DOOR
20	FD6	1200	2400		2400	FIRE DOOR
21	FD7	1500	2400		2400	FIRE DOOR
22	FD8	1500	2400		2400	METER ROOM DOOR
23	FD9	2000	2400		2400	FIRE DOOR
24	FD9	1000	2400		2400	FIRE DOOR
25	FD7	2350	2400		2400	FIRE DOOR
26	FD9	1300	2400		2400	FIRE DOOR
27	FD9	1000	2400		2400	FIRE DOOR
28	FD10	2500	2400		2400	FIRE DOOR
29	FD11	1100	2400		2400	FIRE DOOR
30	FC1	3400	4450			FIRE RATED GLASS DOOR (GLAZING)
31	FC2	8700	6950			FIRE CURTAIN
32	FC5	4920	9350			FIRE CURTAIN
33	FC4	6900	9350			FIRE CURTAIN
34	FGL1	2485	2400		2400	GLASS FIRE DOORS
35	FGL2	2690	2400		2400	GLASS FIRE DOORS
36	GW1	1000	2100	800	2100	FACADE WINDOW
37	W1	1200	1100	1200	2300	WINDOW
38	W2	900	2900	900	3800	WINDOW
40	FW3	1200	2150	250	2400	OFFICE LIFT LOBBY
41	FW3	2000	2150	250	2400	OFFICE LIFT LOBBY
42	FW3	2600	2150	250	2400	OFFICE LIFT LOBBY
43	FW4	3900	2150	250	2400	OFFICE LIFT LOBBY
44	SD1	1500	2300	100	2400	TENENT SHAFT DOOR
45	SD2	900	2300	100	2400	FHC
46	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	62625			GLAZING
50	GL3	88340	69430			GLAZING
51	GL4	1900	9900		9900	GLAZING
52	GL4a	3735	9900		9900	GLAZING
53	GL5	1800	9900		9900	GLAZING
54	GL6	17486	9900		9900	GLAZING
55	GL7	10040	9900		9900	GLAZING
56	GL7	10040	9900		9900	GLAZING
57	GL8	28718	42625			GLAZING
58	GL9	87100	42625			GLAZING
59	GL10	96435	35900			GLAZING
60	GL11	66520	52870			GLAZING
61	GL12	42196	52870			GLAZING
62	GL13	42205	40870			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:-

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

Checked and found ok for Pu... month Gurugram, from/ce only subject to comments in forwarding letter No. 9529 dt. 13/03/25

DRG. TITLE:-

THIRTEENTH FLOOR PLAN
AREA DIAGRAM AND CALCULATION

Superintending Engineer (HQ) HSVP, Panchkula

DRG. NO. :
S-15

SCALE
1:250

DATE
08.03.25