FIRE - FIGHTING LEGEND

SYMBOL	DESCRIPTION
A	150ø MS FIRE PIPE GROUND TO0??? FLOOR WING- A,B&C LOWER ZONE
A'	150ø MS FIRE PIPE UPPER ZONE 1??? TO 23?? FL. WING- A & WING C 1??? ??6 FLOOR UPPER ZONE
B	150ø MS SPRINKLER PIPE GROUND TO0??? FLOOR WING- A&&C LOWER ZONE
B'	150ø MS SPRINKLER PIPE UPPER ZONE 1??? TO 23TH FL. WING- A & WING C 1??? TO667? FLOOR UPPER ZONE
C	50ø DRAIN PIPE
D	80ø DRAIN PIPE
E	150ø MS SPRINKLER ALTERNATE RISER GROUND TO0??? FLOOR WING- A & C LOWER ZONE
F	150ø MS SPRINKLER ALTERNATE RISER UPPER 1??? TO 23?? FL WING- A & WING C 1??? TO667? FLOOR UPPER ZONE
	4.5 KG CO2 TYPE EXTINGUISHER
	6 KG ABC TYPE FIRE EXTINGUSHER
	PENDENT SPRINKLER
	UP-RIGHT SPRINKLER
FHC	FIRE HOSE CABINET
ARV	AIR RELEASE VALVE
ACT	AIR CUSHION TANK

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
☒	1800X50 CUTOUT
COP	CLEAN OUT PLUG
FCO	FLOOR CLEAN OUT

SHAFT PIPE DETAIL

SYMBOL	ABBRIVIATION	DESCRIPTION
17	SP	150ø SOIL PIPE
1	SP	100ø SOIL PIPE
27	WP	150 WASTE PIPE
2	WP	100ø WASTE PIPE
25	WP	100ø WASTE PIPE FOR AHU
37	AP	100ø ANTI-SIPHONAGE PIPE
3	AP	75ø ANTI-SIPHONAGE PIPE
4	DWS	DOMESTIC WATER SUPPLY PIPE
41	DWS	DOMESTIC WATER SUPPLY PIPE RETAIL/BASEMENT
5	FWS	FLUSHING WATER SUPPLY PIPE
51	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
R1	RWP	100ø RAIN WATER PIPE (BALCONY)
CONFINED		600MM WIDE SHAFT ACCESS DOOR

ZONE LINE

FHC TO FHC

FIRE TRAVELING LINE

DOOR LEGEND

2 HRS FIRE RATED DOOR

FIRE LIFT

DETAIL OF NINETEENTH 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	38.030 1/2 (L1+L2) X height	3340.580			3340.580	sqm.
ADDITION						3340.580			3340.580	sqm.

DEDUCTION (X)

Description	Type	Number	Dimension (in meters) Length	Breadth	Calculation	WING-A	WING-B	WING-C	Answer	Unit
1	Rectangle	2	2.200	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	2.450	2.640	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	2.450	0.540	Length X breadth	1.574			1.574	sqm.
9	Rectangle	1	2.750	0.500	Length X breadth	1.375			1.375	sqm.
10	Rectangle	1	1.350	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	2.700	1.150	Length X breadth	3.105			3.105	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	2.750	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	2.880	0.600	Length X breadth	1.728			1.728	sqm.
21	Rectangle	1	3.200	1.000	Length X breadth	3.200			3.200	sqm.
22	Rectangle	1	2.600	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	0.600	1.200	Length X breadth	0.720			0.720	sqm.
25	Rectangle	1	2.400	2.750	Length X breadth	6.600			6.600	sqm.
26	Rectangle	1	1.100	0.600	Length X breadth	0.660			0.660	sqm.
27	Rectangle	1	2.700	0.400	Length X breadth	1.080			1.080	sqm.
30	Trapezium	1	0.550 1.000	0.400	1/2 (L1+L2) X height	0.372			0.372	sqm.
31	Rectangle	1	2.400	2.700	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.
36	Trapezium	1	0.600 1.000	0.400	1/2 (L1+L2) X height	0.372			0.372	sqm.
	TOTAL DEDUCTION (X)					168.622			168.622	sqm.
TOTAL FAR AREA ON NINETEENTH FLOOR (Total Addition - Total Deduction X+SERVICES AREA Y)						2965.143			2965.143	sqm.

SERVICE AREA (NINETEENTH FLOOR) DETAIL

S1	Rectangle	1	1.850	1.900	Length X breadth	1.850			1.850	sqm.
S2	Rectangle	1	4.700	5.800		27.260			27.260	sqm.
S3	Rectangle	1	3.500	2.900	Length X breadth	7.000			7.000	sqm.
S5	Rectangle	1	2.000	1.500	Length X breadth	3.000			3.000	sqm.
S6	Rectangle	1	1.100	1.350	Length X breadth	6.375			6.375	sqm.
S7	Rectangle	1	5.300	1.600	Length X breadth	8.480			8.480	sqm.
S8	Rectangle	1	1.200	2.850	Length X breadth	3.420			3.420	sqm.
S9	Rectangle	1	1.400	2.450	Length X breadth	3.430			3.430	sqm.
S10	Rectangle	1	3.800	2.460	Length X breadth	9.310			9.310	sqm.
S11	Rectangle	1	2.650	1.200	Length X breadth	3.180			3.180	sqm.
S12	Rectangle	1	2.600	2.900	Length X breadth	8.260			8.260	sqm.
S13	Rectangle	1	1.600	2.950	Length X breadth	5.310			5.310	sqm.
S14	Rectangle	1	4.600	7.300	Length X breadth	33.580			33.580	sqm.
S15	Rectangle	1	1.400	5.300	Length X breadth	7.420			7.420	sqm.
S16	Rectangle	1	0.900	1.100	Length X breadth	0.990			0.990	sqm.
S16a	Rectangle	1	0.200	1.600	Length X breadth	0.200			0.200	sqm.
S17	Rectangle	1	2.500	4.200	Length X breadth	10.500			10.500	sqm.
S18	Rectangle	1	3.300	7.100	Length X breadth	23.430			23.430	sqm.
S19	Rectangle	1	6.100	7.200	Length X breadth	43.920			43.920	sqm.
	TOTAL SERVICES AREA (NINETEENTH FLOOR)					206.915			206.915	sqm.

DETAIL OF 20TH 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	38.030 1/2 (L1+L2) X height	3340.580			3340.580	sqm.
ADDITION						3340.580			3340.580	sqm.

DEDUCTION (X)

Description	Type	Number	Dimension (in meters) Length	Breadth	Calculation	WING-A	WING-B	WING-C	Answer	Unit
1	Rectangle	2	2.200	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	2.450	2.640	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	2.450	0.540	Length X breadth	0.400			0.400	sqm.
9	Rectangle	1	2.750	0.500	Length X breadth	1.375			1.375	sqm.
10	Rectangle	1	1.350	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	2.700	1.150	Length X breadth	3.105			3.105	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	2.750	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	2.880	0.600	Length X breadth	1.728			1.728	sqm.
21	Rectangle	1	3.200	1.000	Length X breadth	3.200			3.200	sqm.
22	Rectangle	1	2.600	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	0.600	1.200	Length X breadth	0.720			0.720	sqm.
25	Rectangle	1	2.400	2.750	Length X breadth	6.600			6.600	sqm.
26	Rectangle	1	1.100	0.600	Length X breadth	0.660			0.660	sqm.
27	Rectangle	1	2.700	0.400	Length X breadth	1.080			1.080	sqm.
30	Trapezium	1	0.550 1.000	0.400	1/2 (L1+L2) X height	0.372			0.372	sqm.
31	Rectangle	1	2.400	2.700	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.
36	Trapezium	1	0.600 1.000	0.400	1/2 (L1+L2) X height	0.372			0.372	sqm.
	TOTAL DEDUCTION (X)					168.622			168.622	sqm.
TOTAL FAR AREA ON 20TH FLOOR (Total Addition - Total Deduction X+SERVICES AREA Y+REFUGE						3171.229			2965.143	sqm.
TOTAL COVERED AREA OF 20TH FLOOR H.ADDITION-DEDUCTION)						3172.098			3172.098	sqm.

SERVICE AREA (20TH FLOOR) DETAIL

S1	Rectangle	1	1.850	1.000	Length X breadth	1.850			1.850	sqm.
S2	Rectangle	1	4.700	5.800		27.260			27.260	sqm.
S3	Rectangle	1	3.500	2.000	Length X breadth	7.000			7.000	sqm.
S5	Rectangle	1	2.000	1.500	Length X breadth	3.000			3.000	sqm.
S6	Rectangle	1	1.100	1.350	Length X breadth	6.375			6.375	sqm.
S7	Rectangle	1	5.300	1.600	Length X breadth	8.480			8.480	sqm.
S8	Rectangle	1	1.200	2.850	Length X breadth	3.420			3.420	sqm.
S9	Rectangle	1	1.400	2.450	Length X breadth	3.430			3.430	sqm.
S10	Rectangle	1	3.800	2.450	Length X breadth	9.310			9.310	sqm.
S11	Rectangle	1	2.650	1.200	Length X breadth	3.180			3.180	sqm.
S12	Rectangle	1	2.600	2.950	Length X breadth	8.260			8.260	sqm.
S13	Rectangle	1	1.800	2.950	Length X breadth	5.310			5.310	sqm.
S14	Rectangle	1	4.600	7.300	Length X breadth	33.580			33.580	sqm.
S15	Rectangle	1	1.400	5.300	Length X breadth	7.420			7.420	sqm.
S16	Rectangle	1	0.900	1.100	Length X breadth	0.990			0.990	sqm.
S16a	Rectangle	1	0.200	1.600	Length X breadth	0.200			0.200	sqm.
S17	Rectangle	1	2.500	4.200	Length X breadth	10.500			10.500	sqm.
S18	Rectangle	1	3.300	7.100	Length X breadth	23.430			23.430	sqm.
S19	Rectangle	1	6.100	7.200	Length X breadth	43.920			43.920	sqm.
	TOTAL SERVICES AREA (20TH FLOOR)					206.915			206.915	sqm.

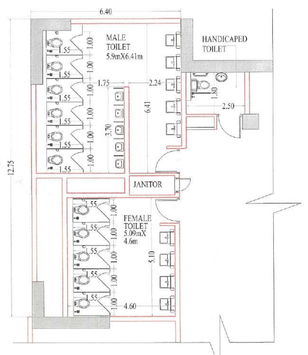
20TH FLOOR REFUGE AREA CALCULATION

	WING-A	WING-B	WING-C	
Covered Area Of 19th & 20th Floor @ 15sq.m. /per person	6364.196			sqm.
Occupancy of 19th & 20th Floor @ 15sq.m. /per person	634.412			Persons
Required refuge area =Population of 50% 0.20m²/Per X 0.2 sq.m.	193.323			sqm.
Additional area of 0.5sq.m. per 200 persons for shoe/ chairs	3.5			sqm.
REQUIRED REFUGE AREA = @0.5sq.m./Person of 19th & 20th population	193.923			sqm.

REFUGE AREA CALCULATION

					WING-A	WING-B	WING-C	
R1	Rectangle	1	7.550	21.200	Length X breadth	147.530		sqm.
R2	Rectangle	1	13.770	3.290	Length X breadth	39.433		sqm.
R3	Rectangle	1	3.580	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.
PROPOSED REFUGE AREA						193.949		193.949 sqm.

TOILET BLOW UP WING- A



NINETEENTH FLOOR PLAN
82.95M

TWENTEENTH FLOOR PLAN
87.15M

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

DTP(HQ)

ATP(HQ)

TO BE READ WITH THIS OFFICE MEMO NO. DATED

DINESH KUMAR PA(HQ)

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 240D HIGH.
6. ALL TOILETS ARE MECHANICALLY VENTILATED AND LIGHTED.

Door Window Schedule

S. No.	Tag	Size Width	Size Height	Cill	Lintel	Remarks
1	D1	700	2400		2400	DOOR
2	D2	900	2400		2400	DOOR
3	D3	1000	2400		2400	TOILET MAIN DOOR
4	D4	1200	2400		2400	FAN ROOM DOOR
5	D5	1900	2400		2400	SERVICE LOBBY DOOR
6	D6	2000	2400		2400	ENTRANCE GLASS DOOR
7	D7	1000	2400		2400	
8	D8	600	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	1150	2400		2400	DOOR
13	D13	1500	2400		2400	DOOR
14	D14	1150	2400		2400	DOOR
15	D16	750	2400		2400	GUARD ROOM DOOR
16	D18	2525	2400		2400	DOOR
17	RS1	3000	3000		3000	TRF ROOM ROLLING SHUTTER
18	FD1	1000	2400		2400	FIRE DOOR
19	FD2	1500	2400		2400	FIRE DOOR
20	FD3*	1500	2400		2400	FIRE DOOR
21	FD4	1500	2400		2400	FIRE DOOR
22	FD4	1500	2400		2400	FIRE DOOR
23	FD5	2000	2400		2400	FIRE DOOR
24	FD6	3000	2400		2400	FIRE DOOR
25	FD7	2350	2400		2400	FIRE DOOR
26	FD11	1150	2400		2400	FIRE DOOR
27	FD9*	1000	2400		2400	FIRE DOOR
28	FD10	2350	2400		2400	FIRE DOOR
29	FD11	1150	2400		2400	FIRE DOOR
30	FC1	3400	4450			FIRE RATED GLASS DOOR -GLAZING
31	FC2	9700	9550			FIRE CURTAIN
32	FC3	4500	9100			FIRE CURTAIN
33	FC4	8850	9550			FIRE CURTAIN
34	FGL1	2485	2400		2400	GLASS FIRE DOORS
35	FGL2	2800	2400		2400	GLASS FIRE DOORS
36	OP1	1090	2100	900	2100	FACADE WINDOW
37	W1	1220	1100	1260	2330	WINDOW
38	W2	900	2500	900	3500	WINDOW
40	FW1	1200	2150	250	2400	OFFICE LIFT LOBBY
41	FW2	2000	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
46	SD5	1500	2300	100	2400	FIRE MAN RFIE SHAFT
47	SD7	1000	2400	100	2300	SHAFT DOOR
48	GL1	39934	69430			GLAZING
49	GL2	76395	42625			GLAZING
50	GL3	88340	69430			GLAZING
51	GL4	1900	9900		9900	GLAZING
52	GL4a	3730	9900		9900	GLAZING
53	GL5	1800	9900		9900	GLAZING
54	GL6	17495	9900		9900	GLAZING
55	GL7	10040	9900		9900	GLAZING
56	GL8	29718	42625			GLAZING
57	GL9	87150	42625			GLAZING
58	GL10	96435	35800			GLAZING
59	GL11	66520	52670			GLAZING
60	GL12	42195	52670			GLAZING
61	GL13	42205	45870			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:-

Advance India Projects Limited 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

JDTP(HQ) Member BPAC

DRG. TITLE:-

19TH & 20TH FLOOR
AREA DIAGRAM AND CAECULATION

Technical Section Dy. Director (HQ) Town & Country Planning Haryana Chandigarh

DRG. NO. : S-20

Superintending Engineer (HQ) Town & Country Planning Haryana Chandigarh

SCALE 1:250

DATE 08.03.25