SANCTIONED
VIDE MEMO No.25 7112 DATED 05.09.2025

DTP (HQ) Member Secretary BPAC — STP (HQ) Special Invitee — CTP Chairman BPAC — JD (H) — DTP (H) — STP (H) (MEMBER B.P.A.C.)

ELEVATION-B (REAR ELEVATION)

ELEVATION-C (LEFT SIDE ELEVATION)

ELEVATION-D (RIGHT SIDE ELEVATION)

ELEVATION-A (FRONT ELEVATION)

10TH FLOOR PLAN
(SCALE 1:100)

10TH FLOOR AREA DIAGRAM
(SCALE 1:150)

10TH FLOOR DEDUCTIONS AREA DIAGRAM
(SCALE 1:150)

REFUGE AREA CHART

10TH FLOOR AREA CALCULATION

S.NO	CODE	LENGTH IN M	WIDTH IN M	AREA IN SQM
1	1	2.800	0.370	1.036
2	2	7.545	2.155	16.259
3	3	1/2 X1.545 X 2.155		1.665
4	4	1.265	2.445	3.093
5	5	7.825	5.965	46.676
6	6	4.570	3.780	17.275
7	7	5.920	4.030	23.858
8	8	4.050	5.000	20.250
9	9	3.600	5.370	19.332
10	10	1.740	5.800	10.092
11	11	5.200	6.085	31.642
12	12	1.180	6.085	7.180
13	13	4.230	6.825	28.870
14	14	2.230	7.275	16.223
15	15	3.030	7.445	22.558
16	16	5.280	7.895	41.686
17	17	1.800	8.370	15.066
18	18	4.150	8.695	36.084
19	19	3.015	10.030	30.240
20	20	8.250	9.595	79.159
21	21	4.735	9.295	44.012
22	22	2.530	4.370	11.056
23	23	2.530	1.825	4.617
		TOTAL = (F)		527.929

DEDUCTION AREA CALCULATIONS

1	ST1	2.800	5.045	14.126
2	ST2	4.600	3.100	14.260
3	ST2a	1.250	0.805	1.006
4	ST4	0.150	1.300	0.195
5	ST5	2.130	0.150	0.320
6	ST6	2.210	2.035	4.497
7	ST7	2.000	0.030	0.060
8	L1	1.850	2.100	3.885
9	L2	1.850	2.100	3.885
10	L3	2.000	2.550	5.100
11	S1	0.600	0.020	0.012
12	S2	0.670	1.375	0.921
13	S3	0.800	0.600	0.480
14	S4	0.600	0.375	0.225
15	S5	1.705	0.485	0.827
16	S6	1.315	0.485	0.638
17	S7	1/2 X .270 X .375		0.051
18	S8	0.270	0.360	0.097
		TOTAL=D		50.585
		NET 10TH FLOOR FAR(FA) = (F-D)=		477.344

10TH FLOOR COVERAGE AREA CALCULATIONS

S.NO	CODE	LENGTH IN M	WIDTH IN M	AREA IN SQM
1	FA	10TH FLOOR FAR (FA)		477.344
		ADDITIONS		
1	ST1	2.800	5.045	14.126
2	ST2	4.600	3.100	14.260
3	ST2a	1.250	0.805	1.006
4	ST4	0.150	1.300	0.195
5	ST5	2.130	0.150	0.320
6	ST6	2.210	2.035	4.497
7	ST7	2.000	0.030	0.060
		TOTAL (A)=		34.464
		NET 10TH FLOOR COVERAGE AREA = FA+A		511.808

REQUIRED REFUGE AREA CALCULATIONS

S.NO	FLOORS NO.	TOTAL COVERED AREA	TOTAL COVERED AREA
1	10TH FLOOR	511.808	1021.740
2	11TH FLOOR	509.932	
	OCCUPANT LOAD FACTOR 12.50 SQM. / PERSON = 1021.740/12.50		81.739
4	REQUIRED AREA 0.3 SQM PER PERSONS = 81.739 X 0.3 = 24.521 SQM.		24.521
5	REQUIRED ONE WHEEL CHAIR SPACE OF AN AREA 0.9 SQM FOR EVERY 200 OCCUPANTS.		0.900
6	TOTAL REQUIRED AREA		25.421

PROPOSED REFUGE AREA CALCULATIONS

S.NO	CODE	LENGTH IN M	WIDTH IN M	AREA IN SQM
1	1	1.180	2.750	3.245
2	2	4.900	1.190	5.831
3	3	10.690	1.360	14.538
4	4	4.230	0.460	1.904
5	TOTAL PROPOSED REFUGE AREA			25.518

HORIZONTAL PIPE CONNECTIONS SHALL BE AS FOLLOWS

PIPE DIA.	
32ØGI PIPE	FROM WASH BASIN TO FT
50ØGI PIPE	FROM FD TO FT
40Ø PIPE	FROM URINAL TO UT
100Ø PIPE	FROM FT TO VERTICAL STACK
100Ø PIPE	FROM WC TO VERTICAL STACK
100Ø PIPE	FROM UT TO VERTICAL STACK

LEGEND

SYMBOL	DESCRIPTION
	100Ø SOIL & VENT PIPE
	100Ø WASTE & VENT PIPE
FT	FLOOR TRAP 100x100 DIAWITH 125mm GRATING
FD	FLOOR DRAIN 100x50mmDIA WITH GRATING
UT	URINAL TRAP 100x100 D/A WITH 125mm GRATING
FCO	FLOOR CLEAN OUTLET

LEGEND

SYMBOL	DESCRIPTION
1	100Ø SOIL & VENT PIPE
2	100Ø WASTE & VENT PIPE
3	100Ø ANTISYPHONAGE PIPE
4	DOMESTIC WATER SUPPLY
5	FLASHING WATER SUPPLY
6	DOMESTICE WATER RISER SUPPLY TO OVER HEAD TANK
7	FLUSHING WATER RISER
8	150Ø MS FIRE LINE
9	150Ø MS SPRINKLER LINE
10	80Ø DRAIN PIPE
R1	75 OD RAIN WATER PIPE
R2	90 OD RAIN WATER PIPE
R3	110 OD RAIN WATER PIPE
R4	160 OD RAIN WATER PIPE

NOTE:- All External walls are 230mm thk.non structutal RCC walls and internal walls are 100 mm thk. non structural RCC walls.

DOOR WINDOW SCHEDULE

DOOR

Sl. No.	Mark	Width	Height	Sill	Lintel
1	D1	1250	2400		2100
2	D2	950	2100		2100
3	D3	800	2100		2100
4	D4	750	2100		2100
5	D5	850	2100		2100
6	D6	1000	2100		2100
7	FD1	1500	2100		2100
8	FD2	1250	2100		2100
9	OP1	900	2100		2100
10	SD1	3300	2450		2450
11	SD2	2700	2450		2450
12	SD8	1650	2450		2450
13	SD11	3500	2450		2450
14	SD12	2715	2450		2450
15	SD14	2030	2450		2450
16	DW1	1500	2450	1050	2450

WINDOW

1	W1	1350	2000	450	2450
2	W2	750	2000	450	2450
3	W3	1200	1400	1050	2450
4	W4	1000		750	
5	W5	655		750	
6	W6	1500	2000	450	2450
7	W7	600	2000	450	2450
8	V1	600	1100	1350	2450
9	WBA	1180	1000	1450	2450

SUBMISSION DRAWING

PROJECT: REVISED BUILDING PLAN FOR GROUP HOUSING (GH1) AREA MEASURING 0.75889 ACRES IN SEC- 23A, GURUGRAM BEING DEVELOPED BY M/S METADESIGN SOLUTIONS PVT. LTD.

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OWNER SIGN: For MetaDesign Solutions Pvt. Ltd. Authorised Signatory

SCALE: AS PER MENTION
DATE ISSUED: 26/05/2025
DRAWN BY: HARISH JANGRA
CHECKED BY: DAULAT GARG

DRAWING: 10TH FLOOR PLAN
DWG NO.: MDS/07