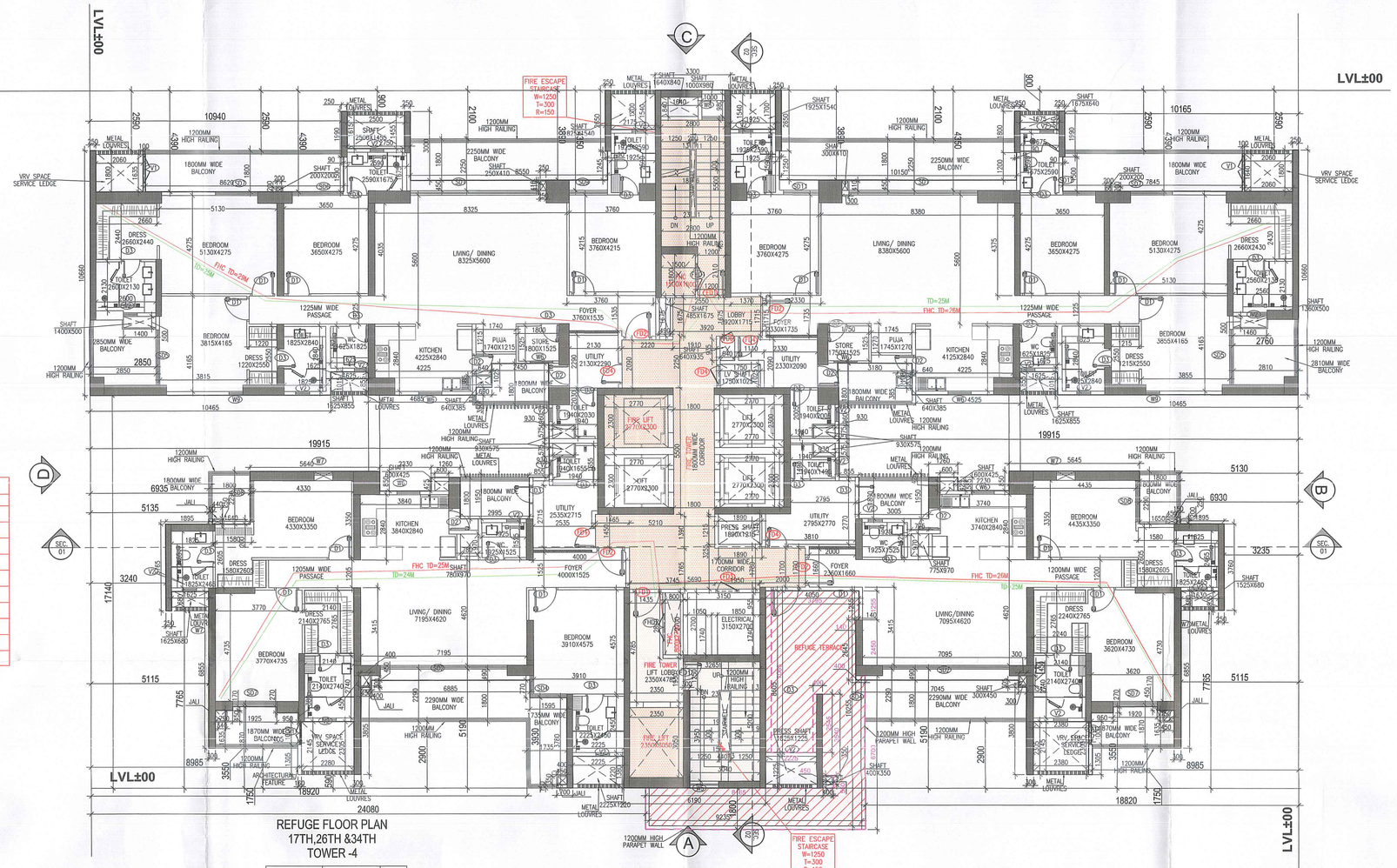


REFUGE FLOOR PLAN
17TH,26TH &34TH
TOWER -4

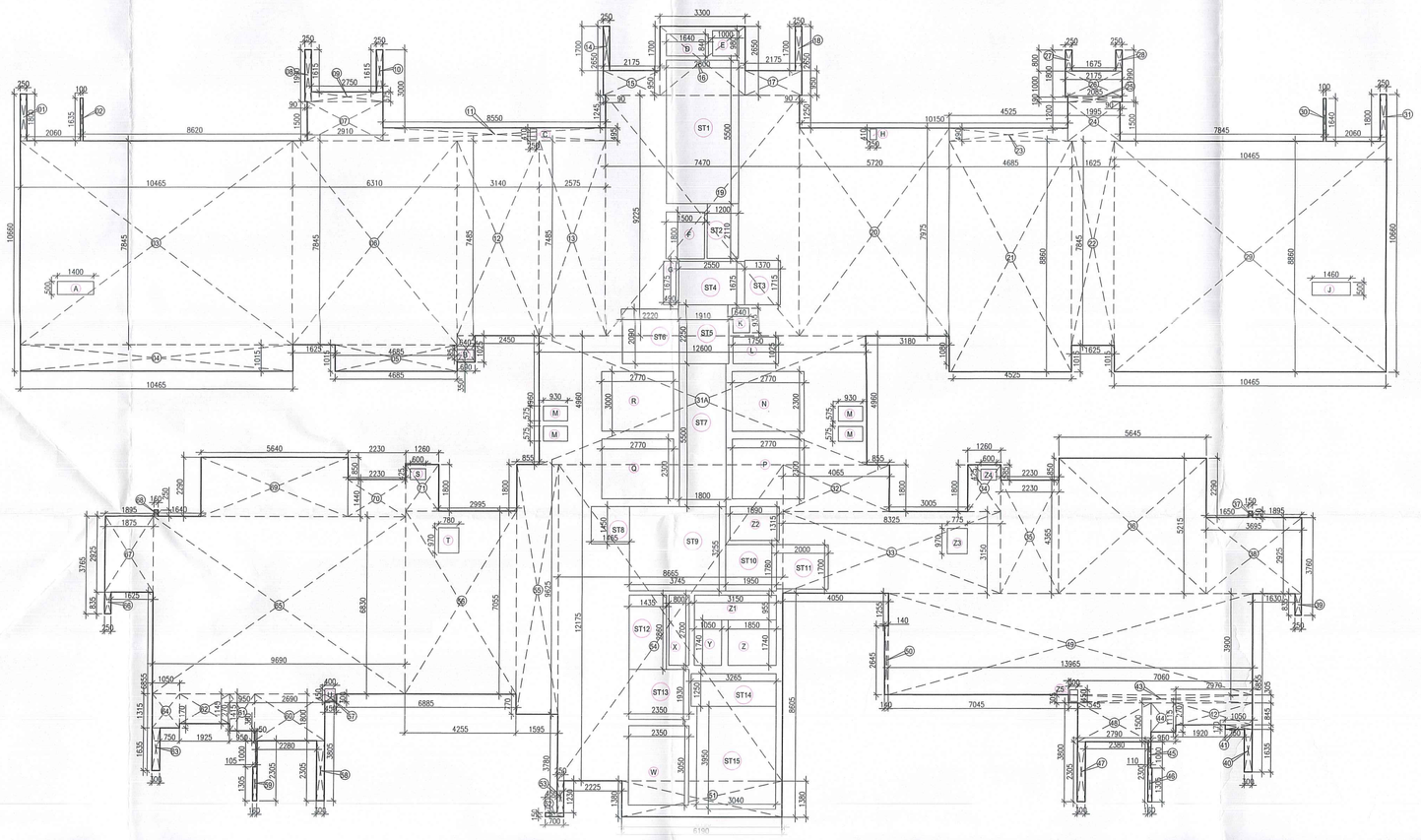
FLOOR	FLOOR LEVEL	UNITS
17th FLOOR	LVL+63.300	4
26th FLOOR	LVL+92.800	4
34th FLOOR	LVL+120.000	4
	TOTAL UNITS = 12	

(1)	A	110Ø SOIL PIPE
(2)	A	110Ø WASTE PIPE
(3)	A	75Ø VENT PIPE
(4)	A	160Ø RAIN WATER PIPE FROM TERRACE
(5)	A	110Ø RAIN WATER PIPE FROM BALCONY
(6)	A	DOMESTIC WATER DOWN TAKE PIPE
(7)	A	FLUSHING WATER DOWN TAKE PIPE
(8)	A	HYDRO-PNEUMATIC DOMESTIC WATER PIPE FOR TOP OF THREE FLOOR
(9)	A	DOMESTIC WATER RISER PIPE
(10)	A	FLUSHING WATER RISER PIPE

LEGEND :- SYMBOL		DESCRIPTION
(A)		150Ø FIRE HYDRANT PIPE FOR LOWER ZONE
(B)		150Ø FIRE HYDRANT PIPE FOR MIDDLE ZONE
(C)		150Ø FIRE HYDRANT PIPE FOR UPPER ZONE
(D)		150Ø FIRE SPRINKLER PIPE FOR LOWER ZONE
(E)		150Ø FIRE SPRINKLER PIPE STAND BY FOR LOWER ZONE
(F)		150Ø FIRE SPRINKLER PIPE FOR MIDDLE ZONE
(G)		150Ø FIRE SPRINKLER PIPE STAND BY FOR MIDDLE ZONE
(H)		150Ø FIRE SPRINKLER PIPE FOR UPPER ZONE
(I)		150Ø FIRE SPRINKLER PIPE STAND BY FOR UPPER ZONE
(J)		80Ø FHC DRAIN PIPE

SUNKEN HATCH
TOILET / KITCHEN 80 MM SUNK
TILE SIZE BALCONY LOCAL DEPRESSION 75 MM UP TO SHAFT
600 MM WIDE SHAFT ACCESS DOOR
SHAFT PLATFORM

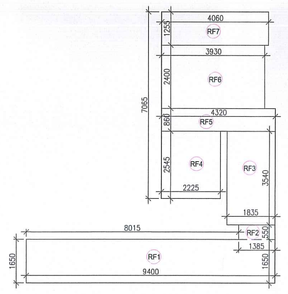
PLUMBING CUTOUT NOTES:-	
*	75 x 75 MM CUTOUT FOR WASH BASIN
⊠	150 x 150 MM CUTOUT FOR FLOOR TRAP & FLOOR DRAIN
⊠ FT	FLOOR TRAP
⊠ FD	FLOOR DRAIN
BD	BALCONY DRAIN



AREA CALCULATION OF
REFUGE FLOOR PLAN

FAR AREA CALCULATION OF REFUGE FLOOR - TOWER -4							
GROSS – A							
Sr. No	Nos		Length		Width		Area (SQM)
1	1	X	0.250	X	1.800	=	0.450
2	1	X	0.100	X	1.635	=	0.164
3	1	X	10.465	X	7.845	=	82.099
4	1	X	10.465	X	1.015	=	10.622
5	1	X	4.685	X	1.015	=	4.755
6	1	X	6.310	X	7.845	=	49.502
7	1	X	2.910	X	1.500	=	4.365
8	1	X	0.250	X	1.590	=	0.398
9	1	X	2.750	X	0.375	=	1.031
10	1	X	0.250	X	1.615	=	0.404
11	1	X	8.550	X	0.495	=	4.232
12	1	X	3.140	X	7.485	=	23.503
13	1	X	2.575	X	7.485	=	19.274
14	1	X	0.250	X	1.700	=	0.425
15	1	X	2.175	X	0.950	=	2.066
16	1	X	3.300	X	2.650	=	8.745
17	1	X	2.175	X	0.950	=	2.066
18	1	X	0.250	X	1.700	=	0.425
19	1	X	7.470	X	9.225	=	68.911
20	1	X	5.720	X	7.075	=	45.617
21	1	X	4.685	X	8.860	=	41.509
22	1	X	1.625	X	7.845	=	12.748
23	1	X	4.525	X	0.490	=	2.217
24	1	X	1.995	X	1.500	=	2.993
25	1	X	2.085	X	0.190	=	0.396
26	1	X	2.175	X	1.000	=	2.175
27	1	X	0.250	X	0.800	=	0.200
28	1	X	0.250	X	0.800	=	0.200
29	1	X	10.465	X	8.860	=	92.720
30	1	X	0.100	X	1.640	=	0.164
31	1	X	0.250	X	1.800	=	0.450
31A	1	X	12.600	X	4.960	=	62.496
32	1	X	4.065	X	1.800	=	7.317
33	1	X	8.325	X	3.150	=	26.224
34	1	X	1.260	X	1.800	=	2.268
35	1	X	2.230	X	4.365	=	9.734
36	1	X	5.645	X	5.215	=	29.439
37	1	X	0.150	X	0.250	=	0.038
38	1	X	3.695	X	2.925	=	10.808
39	1	X	0.250	X	0.835	=	0.209
40	1	X	0.300	X	1.635	=	0.491
41	1	X	1.050	X	0.170	=	0.179
42	1	X	2.970	X	0.845	=	2.510
43	1	X	7.060	X	0.305	=	2.153
44	1	X	0.950	X	1.115	=	1.059
45	1	X	0.110	X	1.020	=	0.112
46	1	X	0.160	X	1.305	=	0.209
47	1	X	0.300	X	2.300	=	0.690
48	1	X	2.790	X	1.500	=	4.185
49	1	X	13.965	X	3.900	=	54.464
50	1	X	0.140	X	2.645	=	0.370
51	1	X	6.190	X	1.380	=	8.542
52	1	X	0.700	X	0.150	=	0.105
53	1	X	0.250	X	1.230	=	0.308
54	1	X	8.665	X	12.175	=	105.496
55	1	X	1.595	X	9.625	=	15.352
56	1	X	4.255	X	7.055	=	30.019
57	1	X	0.450	X	0.300	=	0.135
58	1	X	0.300	X	2.305	=	0.692
59	1	X	0.160	X	1.305	=	0.209
60	1	X	2.690	X	1.800	=	4.842
61	1	X	0.950	X	1.415	=	1.344
62	1	X	1.925	X	1.145	=	2.204
63	1	X	0.300	X	1.635	=	0.491
64	1	X	1.050	X	1.315	=	1.381
65	1	X	9.690	X	6.830	=	66.183
66	1	X	0.250	X	0.835	=	0.209
67	1	X	1.875	X	2.925	=	5.484
68	1	X	0.160	X	0.250	=	0.040
69	1	X	5.640	X	2.290	=	12.916
70	1	X	2.230	X	1.440	=	3.211
71	1	X	1.260	X	1.800	=	2.268
			TOTAL				951.306
GROSS –B			DEDUCTIONS				
Sr. No	Nos		Length		Width		Area (SQM)
A	1	X	1.400	X	0.500	=	0.700
B	2	X	0.640	X	0.385	=	0.493
C	1	X	0.250	X	0.410	=	0.103
D	1	X	1.540	X	0.840	=	1.379
E	1	X	1.000	X	0.980	=	0.980
F	1	X	1.500	X	1.800	=	2.700
G	1	X	0.490	X	1.675	=	0.821
AA A O	1	X	0.250	X	0.410	=	0.103
J	1	X	1.460	X	0.500	=	0.730
K	1	X	0.640	X	0.974	=	0.623
L	1	X	1.750	X	1.025	=	1.794
M	4	X	0.630	X	0.575	=	2.130
N	1	X	2.770	X	2.300	=	6.371
P	1	X	2.770	X	2.300	=	6.371
Q	1	X	2.770	X	2.300	=	6.371
R	1	X	2.770	X	3.000	=	8.310
S	1	X	0.600	X	0.425	=	0.255
T	1	X	0.780	X	0.970	=	0.757
U	1	X	0.400	X	0.450	=	0.180
W	1	X	2.350	X	3.050	=	7.168
X	1	X	0.800	X	2.700	=	2.160
Y	1	X	1.050	X	1.740	=	1.827
Z	1	X	1.850	X	1.740	=	3.219
Z1	1	X	3.150	X	0.955	=	3.008
Z2	1	X	1.890	X	1.315	=	2.485
Z3	1	X	0.775	X	0.970	=	0.752
Z4	1	X	0.600	X	0.425	=	0.255
Z5	1	X	0.300	X	0.450	=	0.135
					TOTAL	=	61.796
STAIRCASE AREA CALCULATATION							
GROSS –C							
Sr. No	Nos		Length		Width		Area (SQM)
ST1	1	X	2.800	X	5.500	=	15.400
ST2	1	X	1.200	X	2.110	=	2.532
ST3	1	X	1.370	X	1.715	=	2.350
ST4	1	X	2.550	X	1.675	=	4.271
ST5	1	X	1.910	X	2.250	=	4.298
ST6	1	X	2.220	X	2.090	=	4.640
ST7	1	X	1.800	X	5.500	=	9.900
ST8	1	X	1.465	X	1.450	=	2.124
ST9	1	X	3.745	X	3.255	=	12.190
ST10	1	X	1.950	X	1.780	=	3.471
ST11	1	X	2.000	X	1.700	=	3.400
ST12	1	X	1.435	X	2.860	=	4.104
ST13	1	X	2.350	X	1.930	=	4.536
ST14	1	X	3.265	X	1.250	=	4.081
ST15	1	X	3.040	X	3.950	=	12.008
					TOTAL	=	89.304
NET FAR -REFUGE FLOOR - TOWER 4							
NET FAR AREA OF REFUGE FLOOR - TOWER 4	=	GROSS – A	-	GROSS – B	-	GROSS – C	
	=	951.306	-	61.796	-	89.304	
GROSS –1	=	810.207	SQM				
BUILT-UP AREA -REFUGE FLOOR - TOWER 4							
NET BUILT AREA OF REFUGE FLOOR - TOWER 4	=	GROSS – 1	+	GROSS – C			
	=	810.207	+	89.304			
GROSS –2	=	899.511	SQM				
NON FAR AREA - REFUGE FLOOR - TOWER 4							
NON FAR AREA OF REFUGE FLOOR - TOWER 4	=	GROSS – 2	-	GROSS – 1			
	=	899.511	-	810.207			
GROSS –3	=	89.304	SQM				

AREA CALCULATION OF
REFUGE FLOOR PLAN



AREA CALCULATION OF
REFUGE AREA

GROSS
Sr. N

17TH , 26TH & 34TH FLOOR REFUGE AREA TOWER-4									
GROSS – A									
RF1	=	1	X	9.402	X	1.658	=	15.519	SQM
RF2	=	1	X	1.385	X	0.559	=	0.783	SQM
RF3	=	1	X	1.835	X	3.546	=	6.506	SQM
RF4	=	1	X	2.225	X	2.249	=	4.995	SQM
RF5	=	1	X	4.320	X	0.860	=	3.715	SQM
RF6	=	1	X	3.930	X	2.409	=	9.470	SQM
RF7	=	1	X	4.650	X	1.235	=	5.745	SQM
						TOTAL	=	46.698	SQM
GROSS AREA OF TYPICAL FLOOR		=	927.284	SQM					
GROSS AREA OF TYPICAL FLOOR		=	927.284						
		=	1854.568	SQM					
REFUGE AREA REQUIRED	=	(1854.568X0.3)/12.5	=	ADDITIONAL SPACE TO ACCOMMODATE WHEEL CHAIR SPACE @0.9 SQM PER 200 POPULATION					
						0.9			
	=	44.510	+						
	=	45.410	SQM						
REFUGE AREA PROVIDED		GROSS – A							
	=	46.065	SQM						

DOOR/ WINDOW SCHEDULE (TOWER-4)						
S. NO.	TAGS	WIDTH	LINTEL	CILL	LOCATION	FIRE RATINGS
DOORS						
1	D1	1050	2400	0	M.Bedroom, Bedroom	
2	D2	900	2400	0	Kitchen, Store	
3	D3	800	2400	0	Toilet	
	D4	750	2400	0	U. Balcony	
EXTERNAL DOORS						
2	SD1	5575	Beam Bottom	0	Living/ Dining	
3	SD2	5495	Beam Bottom	0	Living/ Dining	
4	SD3	3650	Beam Bottom	0	M.Bedroom 2	
5	SD4	2565	Beam Bottom	0	Bedroom 1	
6	SD5	2400	Beam Bottom	0	M.Bedroom 2,Bedroom-1	
7	SD6	2200	Beam Bottom	0	Bedroom 1,Dining	
8	SD7	1825	Beam Bottom	0	M.Bedroom 1	
9	SD8	1800	Beam Bottom	0	M.Bedroom 2	
10	SD9	1675	Beam Bottom	0	Bedroom 2	
11	SD10	1585	Beam Bottom	0	Bedroom 1	
12	SD11	1500	Beam Bottom	0	Bedroom 2	
13	SD12	1445	Beam Bottom	0	Bedroom 1,Dining	
14	DW1	1350	Beam Bottom	0/900	S.ROOM	
GLAZINGS						
1	GL1	16165	6300	0	Entrance Lobby	
2	GL2	5575	6300	0	Double Height area	
3	GL3	5495	6300	0	Living Area	
5	GL4	2500	6300	0	Double Height area	
	GL5	1500	6300	0	Family Lounge	
WINDOWS						
1	V1	1000	2400	100	VRV Door	
3	V2	600	2400	1200	M.Toilet,Toilet	
4	V3	500	2400	1200	Toilet,S. Toilet	
5	W	2500	2400	1200	Double Height area/Dining area	
	W1	2000	2400		Double Height area	
6	W2	1800	2400	1200	Kitchen	
7	W3	1500	2400	1200	M. Bedroom 1	
8	W4	1450	2400	1200	M. Bedroom 2	
9	W5	1250	2400	1200	M. Toilet	
10	W6	1000	2400	900	Double height area,Kitchen	
11	W7	800	2400	1200	Staircase	
12	W8	750	2400	1200	Store,Study	
13	W9	600	2400	900	M.Bedroom 2	
FIRE DOORS AND WINDOW						
1	FD	1250	2400	0	Unit main Entry Door	1hr
2	FD1	1200	2400	0	Entrance Door, Staircase /corridore/Lift Lobby	2hrs
3	FD2	1200	2400	0	Fire Exit	1hrs
4	FD3	1000	2400	0	Service/Shaft	2hrs
5	FD4	900	2400	0	Lobby Pressurization	2hrs
6	FD5	800	2400	0	Staircase/ Corridor	1hrs
	FD6	640	2400	0	Shaft	2hrs
7	FHD1	1200	2400	0	FHC Shaft	2hrs

DOOR/ WINDOW SCHEDULE (TOWERS)						
BASEMENT						
S. NO.	TAGS	WIDTH	LINTEL	CILL	LOCATION	FIRE RATINGS
FIRE DOORS AND WINDOW						
1	RFD1	1500	2400	0	Fire Exit,	1hrs
2	RFD2	1200	2400	0	Service Shaft	2hrs
	RFD3	1000	2400	0	S. Room	2hrs
4	RFD4	900	2400	0	S. Room	2hrs
	RFD5	800	2400	0	Shaft	2hrs
	RFHD1	1200	2400	0	Fire Shaft	2hrs

STP (HQ) Member BPA C
STP (HQ) Member Secretary B.P.A.C.
CTP Chairman BPAC

SANCTIONED
VIDE MEMO No. 9223
DATED 30-3-26

Note :-
1. BUILDING HAS AUTOMATIC SPRINKLER SYSTEM WHEREVER REQUIRED BY NBC.
2. BUILDING WILL BE DESIGNED (STRUCTURES) AS PER RELEVENT IS CODES FOR EARTH QUAKE RESISTANCE.
3. ALL BUILDING 100% POWER BACKUP.

PROJECT:

PROPOSED BUILDING PLAN OF G.H. SITE NO.24 IN SECTOR-53 GURUGRAM OF AREA MEASURING 7.413 ACRES BEING DEVELOPED BY M/S GODREJ PROPERTIES LTD.

ASSOCIATE ARCHITECTS

GG ASSOCIATES
134, First floor, Vipul Business Park. Sohna Road, Sector-48,Gurugram-122018(Hr.)
(PH-9560794794,9871004573)

OWNER'S SEAL & SIGNATURE

For Godrej Properties Ltd.
Authorised Signatory

ARCHITECT'S SEAL & SIGNATURE

FSD. (HQ) Member BPAC

Ar. Ravinder Nath (9871004573) CA/2012/50501

FEB.-2026 | Scale : 1:100

Checked and found ok for Public Health Engineering Service only subject to cover mentioned in forwarding letter No. 44225 Dt. 19/2/26

Drawing Title: TOWER-04 REFUGE FLOOR PLAN & AREA CALCULATION

Executing Engineer (HQ) for Chief Engineer-I HSVP, Panchkula

Drawing No:- T4-03