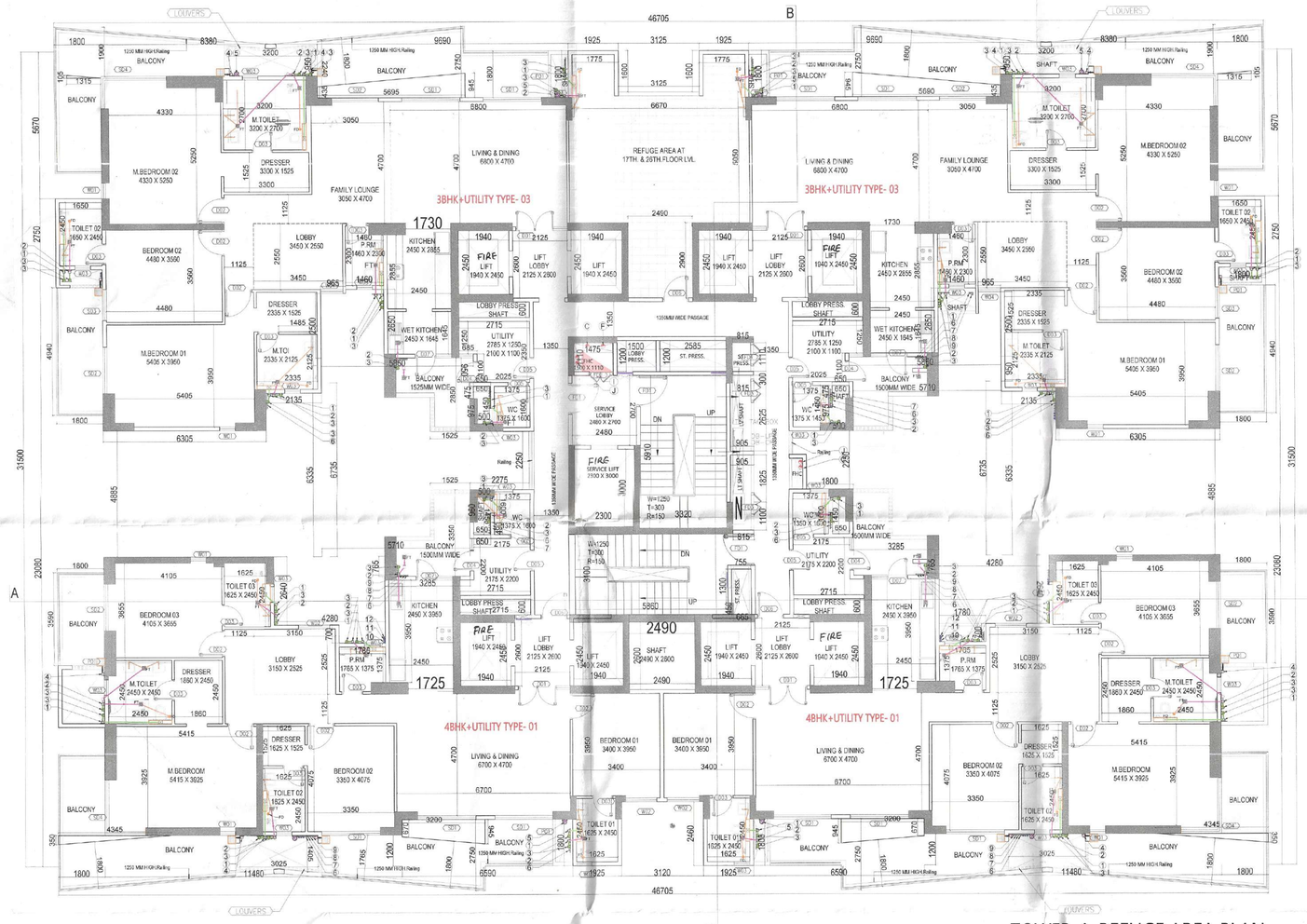
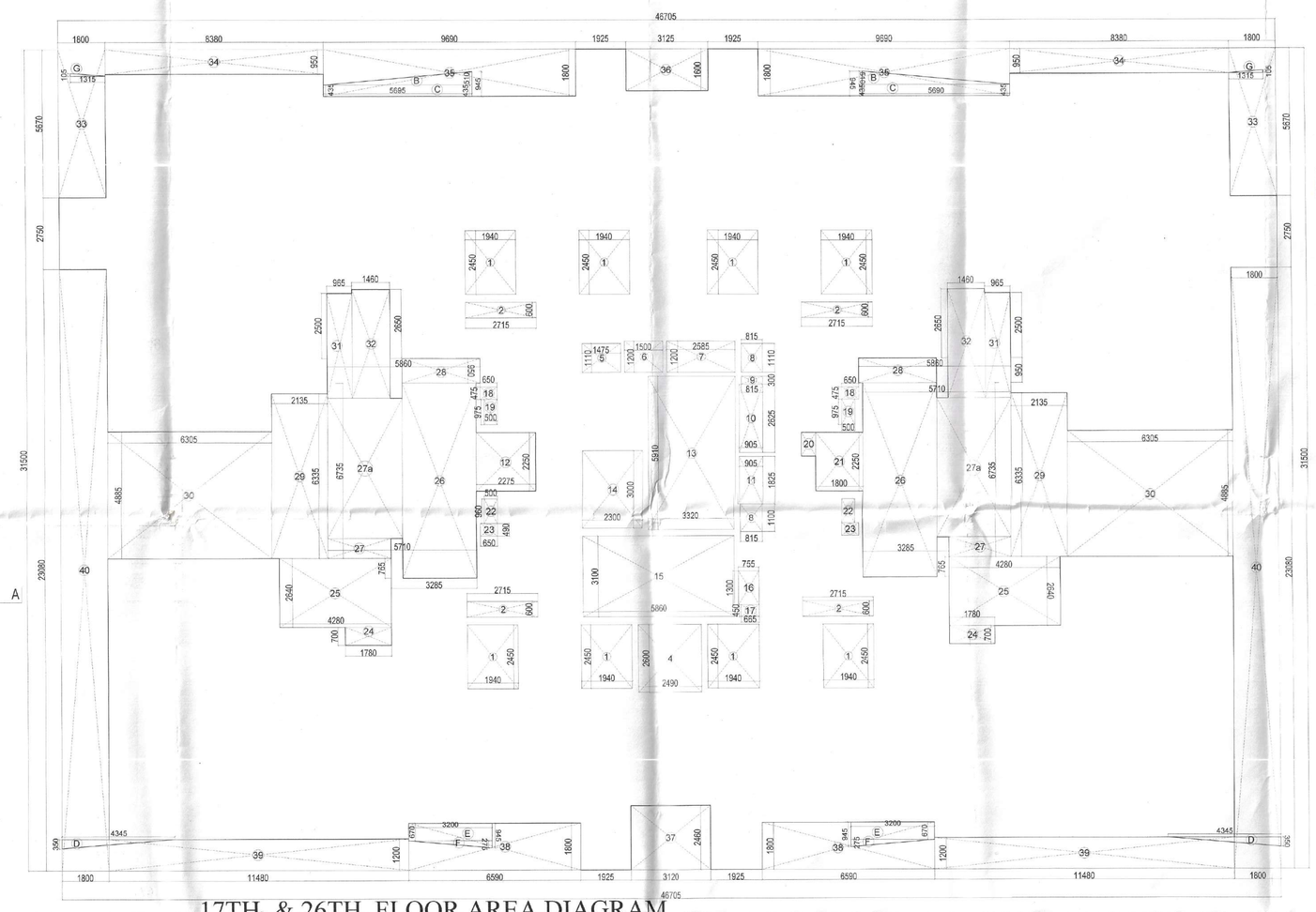
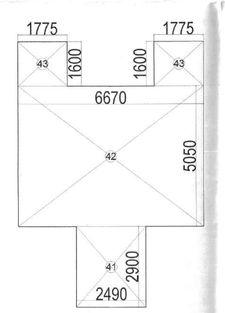


TOWER-A-REFUGE AREA PLAN
17TH. & 26TH. FLOOR PLAN

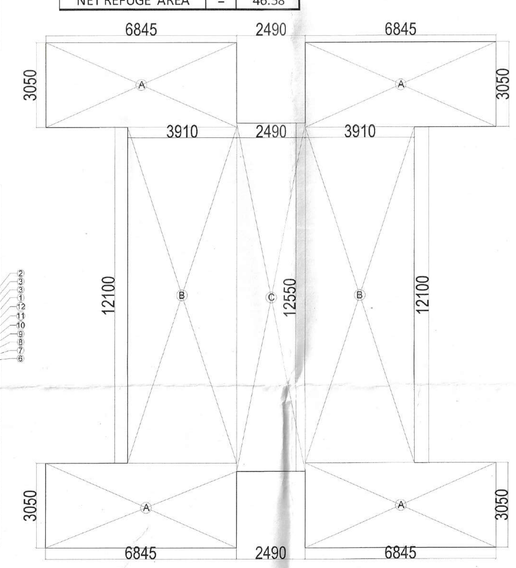


17TH. & 26TH. FLOOR AREA DIAGRAM



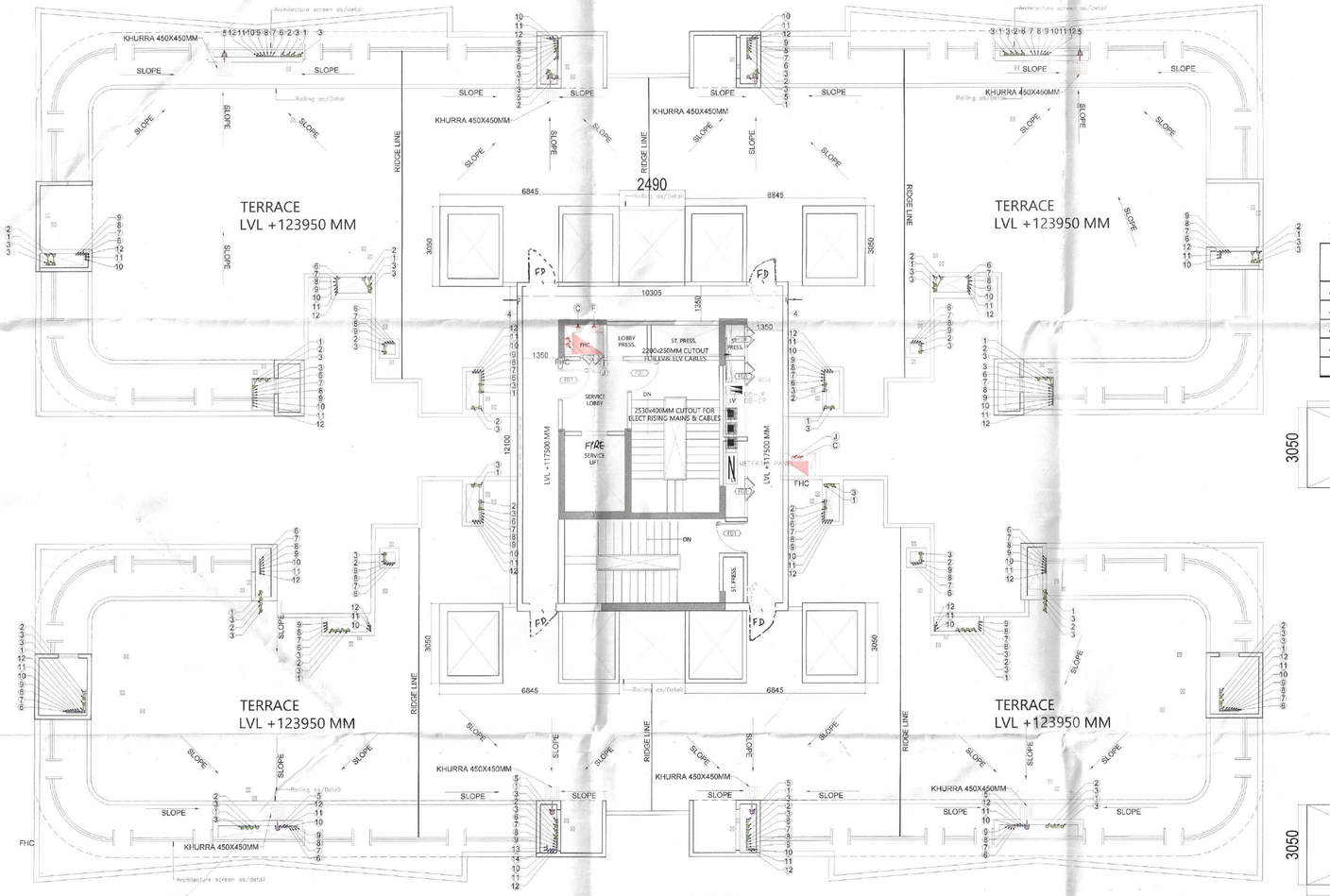
REFUGE AREA DIAGRAM

REFUGE AREA CHART TOWER-01					
41	2.490	X	2.900	=	7.221
42	6.670	X	5.050	=	33.684
43	1.775	X	1.600	=	2.840
43	1.775	X	1.600	=	2.840
NET REFUGE AREA				=	46.58



MUMTY MACHINE ROOM AREA DIAGRAM

MUMTY MACHINE ROOM NON FAR AREA							
A	4	X	6.845	X	3.050	=	83.51
B	2	X	3.910	X	12.100	=	94.62
C	1	X	2.490	X	12.550	=	31.25
TOTAL AREA							209.38

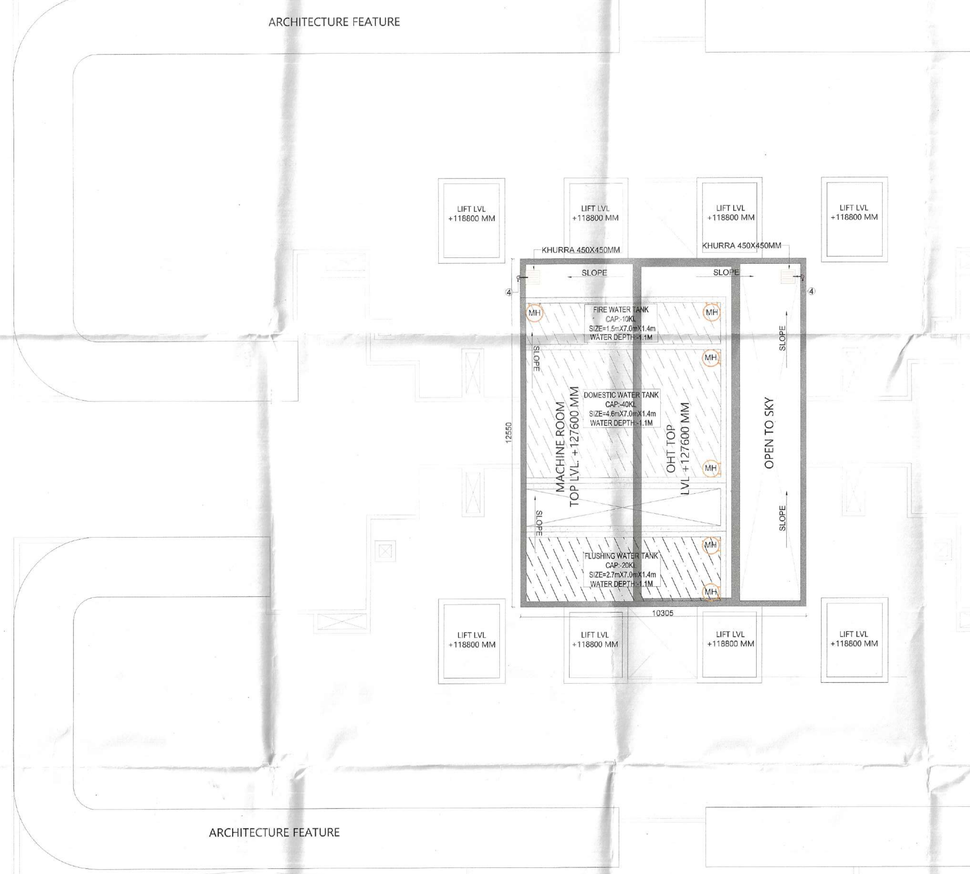


TOWER-A-TERRACE PLAN

FIRE FIGHTING LEGEND FOR VERTICAL PIPES	
S.NO.	DESCRIPTION
A	150NB FIRE HYDRANT RISER FOR LOW ZONE (GROUND TO 17TH FLOOR LEVEL)
B	150NB FIRE HYDRANT RISER FOR MIDDLE ZONE (17TH TO 25 TH FLOOR LEVEL)
C	150NB FIRE HYDRANT RISER FOR HIGH ZONE(26TH TO TERRACE LEVEL)
D	150NB SPRINKLER RISER FOR LOW ZONE (GROUND TO 17TH FLOOR LEVEL)
E	150NB SPRINKLER RISER FOR MIDDLE ZONE (17TH TO 25 TH FLOOR LEVEL)
F	150NB SPRINKLER RISER FOR HIGH ZONE(26TH TO TERRACE LEVEL)
G	150NB ALTERNATE SPRINKLER RISER FOR LOW ZONE (GROUND TO 17TH FLOOR LEVEL)
H	150NB ALTERNATE SPRINKLER RISER FOR MIDDLE ZONE (17TH TO 25TH FLOOR LEVEL)
I	150NB ALTERNATE SPRINKLER RISER FOR HIGH ZONE(26TH TO TERRACE LEVEL)
J	100NB FIRE COMM CHAMBER PIPE FROM DHT
K	100NB SPRINKLER DRAIN PIPE

PLUMBING LEGEND	
S.NO.	DESCRIPTION
1	100NB SOIL PIPE
2	100NB WASTE PIPE
3	100NB VENT PIPE
4	110 OD RAIN WATER PIPE
5	160 OD RAIN WATER PIPE
6	DOMESTIC WATER SUPPLY DOWN TAKE FOR MIDDLE ZONE (17TH TO 25 TH FLOOR LEVEL)
7	DOMESTIC WATER SUPPLY DOWN TAKE FOR BALANCE FLOOR (20-21)
8	DOMESTIC WATER SUPPLY DOWN TAKE FOR BALANCE FLOOR (20-11)
9	DOMESTIC WATER SUPPLY DOWN TAKE FOR BALANCE FLOOR (1-10)
10	FLUSHING WATER SUPPLY DOWN TAKE FOR BALANCE FLOOR (33-23)
11	FLUSHING WATER SUPPLY DOWN TAKE FOR BALANCE FLOOR (22-12)
12	FLUSHING WATER SUPPLY DOWN TAKE FOR BALANCE FLOOR (11-01)
13	DOMESTIC WATER RISER PIPE TO OHT
14	FLUSHING WATER RISER PIPE TO OHT

PLUMBING LEGEND	
FT	FLOOR TRAP
FD	FLOOR DRAIN
UT	URINAL TRAP
CO	CLEAN OUT PLUG
FCO	FLOOR CLEAN OUT PLUG
	450X450MM RAISHKHURRA
	520X520MM RAISHKHURRA
	PIPE SUPPORT
	150mm LEDGE WALL
	115mm LEDGE WALL
	150X150MM CUTOUT
	100ØD SOIL PIPE
	50ØD VENTE PIPE
	50ØD WASTE PIPE
	110ØD RAIN WATER PIPE
	160ØD RAIN WATER PIPE



TOWER-A-MUMTY TOP PLAN

REFUGE FLOOR FAR AREA CHART (17TH.AND26TH.FLOOR)							
A	1	X	46.705	X	31.500	=	1471.21
B	2	X	5.695	X	0.531	0.5	2.96
C	2	X	5.695	X	0.435	=	4.95
D	2	X	4.345	X	0.350	0.5	1.52
E	2	X	3.200	X	0.870	=	4.29
F	2	X	3.200	X	0.275	0.5	0.88
G	2	X	1.315	X	0.105	0.5	0.14
GROSS PLATE AREA							1485.89
DEDUCTIONS							
1	8	X	1.940	X	2.490	=	38.82
2	4	X	2.715	X	0.600	=	6.52
4	1	X	2.690	X	2.600	=	6.99
5	1	X	1.475	X	1.110	=	1.64
6	1	X	1.500	X	1.200	=	1.80
7	1	X	2.585	X	1.200	=	3.10
8	2	X	0.825	X	1.132	=	1.87
9	1	X	0.825	X	0.300	=	0.24
10	1	X	0.908	X	2.625	=	2.38
11	1	X	0.505	X	1.825	=	1.45
12	1	X	2.275	X	2.250	=	5.12
13	1	X	8.320	X	5.910	=	49.17
14	1	X	2.100	X	3.000	=	6.30
15	1	X	5.860	X	3.100	=	18.17
16	1	X	0.755	X	1.300	=	0.98
17	1	X	0.565	X	0.450	=	0.30
18	2	X	0.650	X	0.475	=	0.62
19	2	X	0.500	X	0.575	=	0.58
20	1	X	0.545	X	0.919	=	0.50
21	1	X	1.800	X	2.250	=	4.05
22	2	X	0.500	X	0.560	=	0.56
23	2	X	0.650	X	0.490	=	0.64
24	2	X	1.780	X	0.700	=	2.49
25	2	X	4.280	X	2.640	=	22.60
26	2	X	2.835	X	7.495	=	42.50
27	2	X	2.420	X	0.760	=	3.68
27a	2	X	2.870	X	5.395	=	30.97
28	2	X	2.985	X	0.950	=	5.67
29	2	X	2.135	X	6.335	=	27.05
30	2	X	6.305	X	4.885	=	61.60
31	2	X	0.965	X	4.025	=	7.77
32	2	X	1.460	X	4.175	=	12.19
33	2	X	1.800	X	5.670	=	20.41
34	2	X	8.380	X	0.950	=	15.92
35	2	X	9.690	X	1.800	=	34.88
36	1	X	3.125	X	1.600	=	5.00
37	1	X	3.120	X	2.460	=	7.68
38	2	X	6.590	X	1.800	=	23.72
39	2	X	11.480	X	1.200	=	27.55
40	2	X	1.800	X	23.080	=	83.09
TOTAL						=	557.23
REFUGE NON FAR AREA CHART							
41	1	X	2.890	X	2.900	=	7.22
42	1	X	6.670	X	5.050	=	33.68
43	2	X	1.775	X	1.600	=	5.68
TOTAL						=	46.58
TOTAL DEDUCTION						=	603.81
NET FAR AREA						=	882.08

REFUGE FLOOR BUILT UP AREA CHART (17TH.AND26TH.FLOOR)							
A	1	X	46.705	X	31.500	=	1471.21
B	2	X	5.695	X	0.531	0.5	2.96
C	2	X	5.695	X	0.435	=	4.95
D	2	X	4.345	X	0.350	0.5	1.52
E	2	X	3.200	X	0.870	=	4.29
F	2	X	3.200	X	0.275	0.5	0.88
G	2	X	1.315	X	0.105	0.5	0.14
GROSS PLATE AREA							1485.89
DEDUCTIONS							
	1	X	2.690	X	2.600	=	6.99
32	1	X	2.275	X	2.250	=	5.12
33	1	X	0.905	X	2.910	=	2.63
34	1	X	1.800	X	2.250	=	4.05
35	2	X	1.800	X	2.250	=	8.10
36	2	X	1.800	X	2.250	=	8.10
37	2	X	2.135	X	2.250	=	9.61
38	2	X	0.825	X	1.132	=	1.87
39	2	X	0.825	X	0.300	=	0.49
40	2	X	2.420	X	0.760	=	3.68
41	2	X	2.890	X	2.900	=	16.77
42	2	X	1.860	X	0.950	=	3.53
43	2	X	8.280	X	0.950	=	15.72
44	2	X	9.690	X	1.800	=	34.88
45	2	X	3.690	X	1.800	=	13.28
46	1	X	3.125	X	1.600	=	5.00
47	1	X	2.460	X	1.800	=	4.43
48	2	X	6.590	X	1.800	=	23.72
49	2	X	11.480	X	1.200	=	27.55
50	2	X	1.800	X	21.280	=	76.61
TOTAL						=	423.71
NET BUILT UP AREA			1485.89	-	423.71	=	1062.18

DOOR WINDOW SCHEDULE				
TYPE	Fire/Ext Opening Size (W x H)	Width	Limited FR(Room Ht)	S.R HR(Room Ht)
DOORS				
D1	1200X2400	1200	2400	0
D2	1000X2400	1000	2400	0
D3	800X2400	800	2400	0
D4	900X2400	900	2400	0
D5	800X2400	800	2400	0
D6	1800X2400	1800	2400	0
D7	1200X2400	1200	2400	0
D8	1200X2400	1200	2400	0
D9	1200X2400	1200	2400	3
D10	2000X2700	2000	2700	3
D11	1200X2700	1200	2700	3
D12	1000X2400	1000	2400	3
D13	750X2400	750	2400	3
D14	1000X2400	1000	2400	3
SLIDING DOOR SCHEDULE				
D01	2200X2400	2200	2400	3
D02	1800X2400	1800	2400	3
D03	1200X2400	1200	2400	3
D04	3600X2400	3600	2400	3
D05	2400X2400	2400	2400	3
D06	3000X2400	3000	2400	3
D07	1000X2400	1000	2400	3
WINDOWS				
W1	800X1200	800	2400	300
W2	1200X1200	1200	2400	300
W3	900X1200	900	2400	1200
W4	800X1200	800	2400	300
SLIDING DOOR SCHEDULE				
D01	1200X2400	1200	2400	3
D02	x			
D03	x			
D04	x			
LIFT DOOR				
L1	1000X2400	1000	2400	3
L2	1000X2400	1000	2400	3
L3	1000X2400	1000	2400	3

ALL FIRE DOOR 2 HOURS FIRE RATING

Refuge area TOWER-1		
Sl No	Description	Area in Sqmt.
1	Typical floor area	925.940
2	Upper & Lower Typ. Floor area	**1851.880**
3	Occupant load (12.5m²) for gross area	12.500
4	Occupant load	148.150
5	Occupant load per person (0.3 m²)	0.300
6	Occupant load per person	44.445
7	Wheel chair requirements (0.9m²)	0.900
8	wheel chair requirements	45.345
9	**Refuge area required @ 61.85m leve**	**45.345**
10	**Refuge area required @ 92.90m leve**	**45.345**

N

CLIENT:-
HCBS PROMOTERS AND DEVELOPERS PVT.LTD.
CARE REALTECH PVT.LTD.C/O HCBS PROMOTERS AND DEVELOPERS PVT.LTD.

PROJECT : -
PROPOSED BUILDING PLAN OF GROUP HOUSING COLONY (LICENCE NO.223 OF.2023 DATED.30.10.2023) FOR AN AREA MEASURING 5.2902 ACRES IN THE REVENUE ESTATE OF VILLAGE DHANKOT,TEHSIL-KADIPUR,SECTOR-102,GURUGRAM BEING DEVELOPED BY HCBS PROMOTERS AND DEVELOPERS PVT.LTD.,CARE REALTECH PVT.LTD.C/O HCBS PROMOTERS AND DEVELOPERS PVT.LTD.

ARCHITECTS
Pinnacle Architects Pvt.Ltd.
938 , SECTOR 14 , GURGAON
HARYANA

For HCBS Promoters & Developers Pvt. Ltd.
Authorised Signatory
APPLICANT'S SIGN.

SCALE : 1:100

DRAWING NAME
TOWER-A REFUGE AREA
17TH.FLOOR & 26TH.FLOOR PLAN &TERRACE PLAN

DRAWING NO. SUB – 10

VIMAL KUMAR
Architect (A/06/1979)
938, Sector 14 Gurgaon

ARCHITECT'S SIGN

S.T.P.(HQ) Member Secretary B.P.A.C. | S.T.P.(G) Member B.P.A.C. | C.T.P.(HR) Chairman B.P.A.C.
DTP(HQ) ATP(HQ) AD PA ATP
DDR (T) MEMBER BPAC
Rajesh Dutt SD(HQ)

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

Checked and found [illegible] (Internal) Only subject to comments in forwarding letter No. 333232 Dt 26/12/24
Superintending Engineer (HQ) for Chief Town Planner Haryana