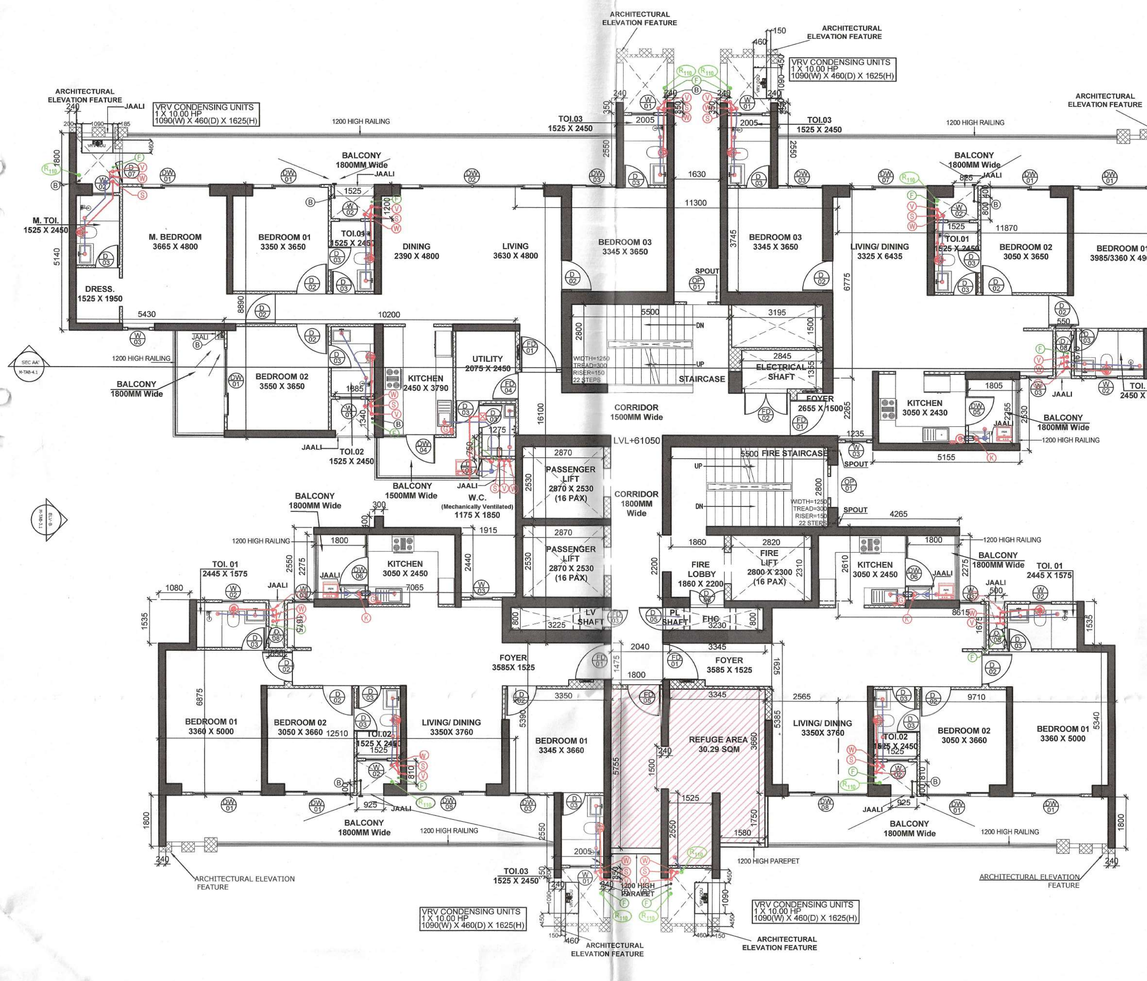
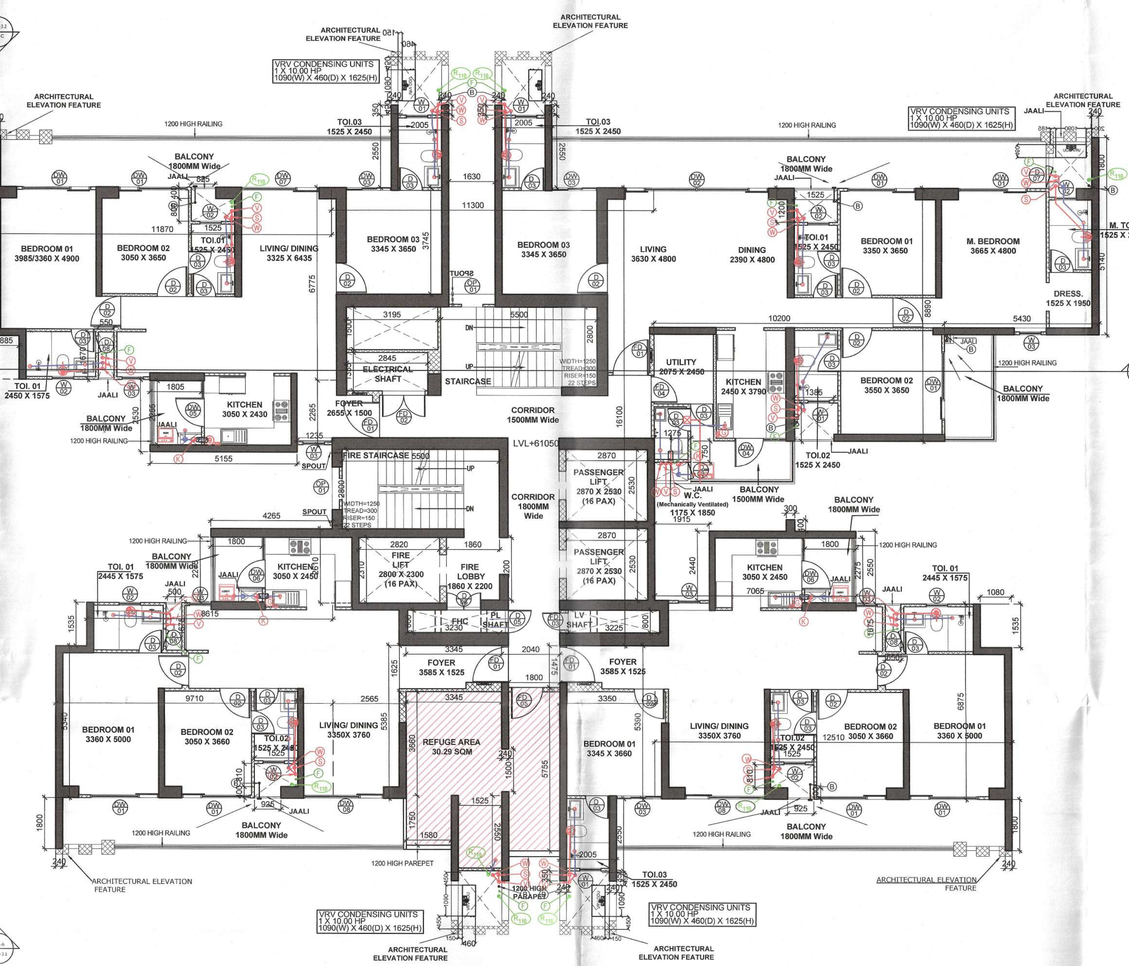
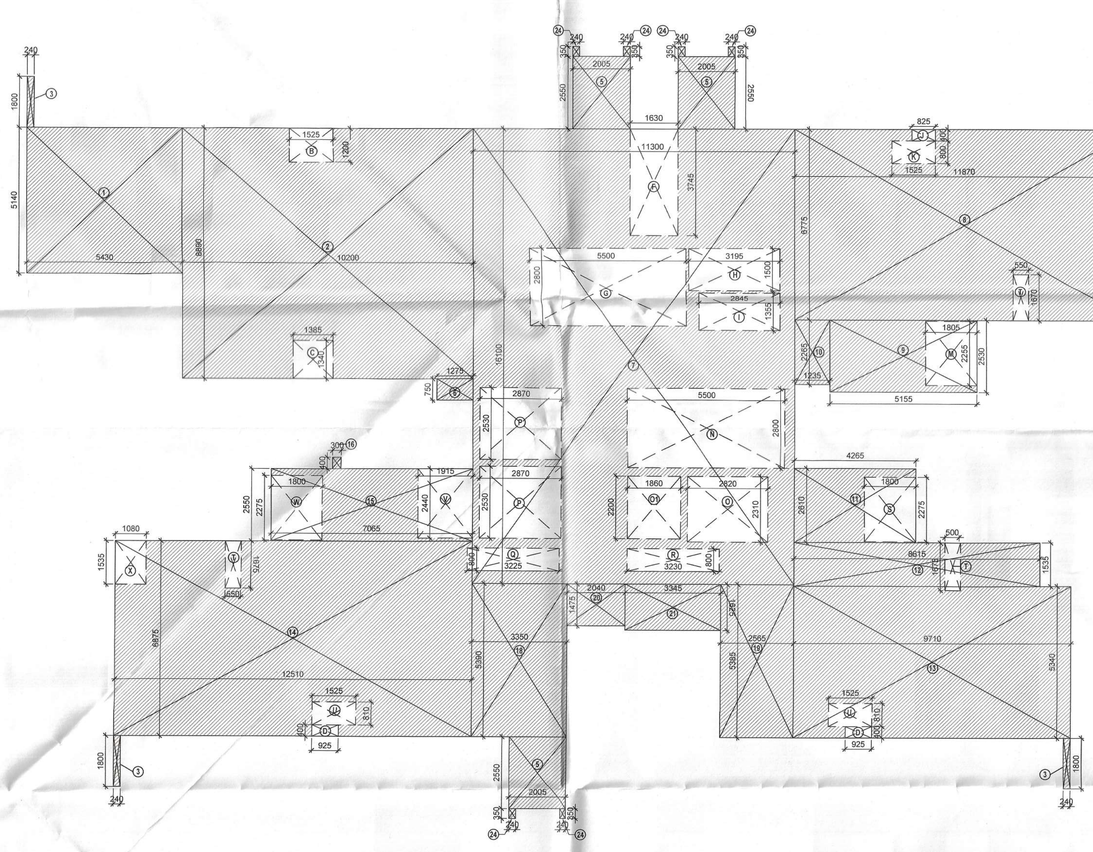


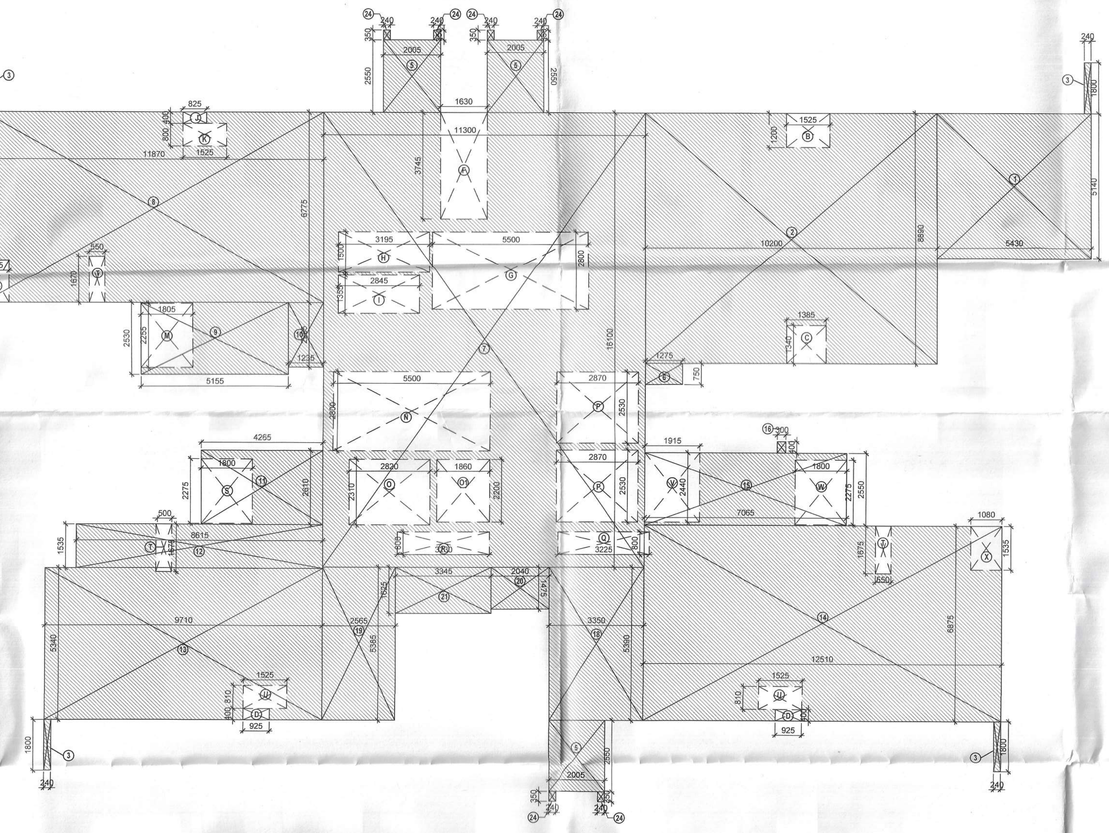
TOWER A_REFUGE FLOOR PLAN
(18th FLOOR) SCALE 1:100



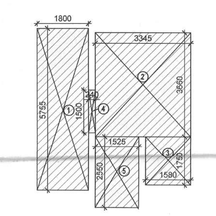
TOWER B_REFUGE FLOOR PLAN
(18th FLOOR) SCALE 1:100



TOWER A_REFUGE FLOOR AREA DIAGRAM
(18th FLOOR) SCALE 1:100



TOWER B_REFUGE FLOOR AREA DIAGRAM
(18th FLOOR) SCALE 1:100



REFUGE AREA _TOWER A
CARPET AREA SCALE 1:100

TOWER A & B DOOR/ WINDOW	WIDTH	HEIGHT	SILL	LINTEL
D02	1050	2400	-	2400
D03	800	2400	-	2400
D05	800	2400	300	2400
D06	1200	2400	300	2400
D07	750	2400	300	2400
D08	600	2400	300	2400
D09	1800	2400	-	2400
D10	1250	2400	-	2400
D11	1250	2400	-	2400
D13 (LOUVERED DOOR)	750	2400	-	2400
D14 (LOUVERED DOOR)	600	2400	-	2400
D15	1200	2400	-	2400
D16	1500	2400	-	2400
O	O	O	O	O
FD01	1750	2400	-	2400
FD02	1500	2100	300	2400
FD03	600	2100	300	2400
FD04	900	2400	-	2400
FD05	1100	2400	-	2400
O	O	O	O	O
W01	750	2100	300	2400
W02	750	1200	1200	2400
W03	750	1500	900	2400
O	O	O	O	O
DW01	2400	2400	-	2400
DW02	5035	2400	-	2400
DW03	1580	2400	-	2400
DW04	1800	2400	-	2400
DW05	1805	2400	-	2400
DW06	1800	2400	-	2400
DW07	2725	2400	-	2400
DW08	2800	2400	-	2400
O	O	O	O	O
OP01	750	1200	1200	2400

LEGEND : (Plumbing)		
S. No.	SYMBOL	DESCRIPTION
1.	S	110Ø UPVC SOIL AND VENT PIPE
2.	W	110Ø UPVC WASTE AND VENT PIPE
3.	K	160Ø UPVC WASTE AND VENT PIPE (FOR KITCHEN)
4.	R 110	110Ø UPVC RAIN WATER PIPE
5.	B	110Ø UPVC BALCONY / CORRIDOR DRAIN PIPE
6.	V	110Ø UPVC ANTI SYPHONAGE PIPE
7.	C1	DOMESTIC WATER SUPPLY DROP FROM TANK TO TOILET / KITCHEN FOR TOP THREE FLOOR ONLY
8.	C2 C3	DOMESTIC WATER SUPPLY DROP FROM TANK TO TOILET / KITCHEN (REFER WATER SUPPLY SCHEMATIC DWG.)
9.	F	RECYCLED WATER SUPPLY DROP FROM O.H.T. TO W.C.
10.	WM	WASHING MACHINE
11.	H.S.	HEALTH SPRAY WITH ANGLE VALVE
12.	DIVERTER	DIVERTER
13.		COLD WATER SUPPLY PIPE (CWS)
14.		HOT WATER SUPPLY PIPE (HWS)
15.		RECYCLED WATER SUPPLY PIPE (RWS)
16.		ISOLATING VALVE
17.		NON RETURN VALVE

TOWER A: REFUGE FLOOR CALCULATION				
S.NO.	LENGTH(M)	WIDTH(M)	NO.	AREA(SQ.M.)
COVERED AREA				
1	5.430	5.140	1	27.910
2	10.200	8.890	1	90.678
3	0.240	1.800	4	1.728
5	2.005	2.550	3	15.338
6	1.275	0.750	1	0.956
7	11.300	16.100	1	181.930
8	11.870	6.775	1	80.419
9	5.155	2.530	1	13.042
10	1.235	2.265	1	2.797
11	4.265	2.610	1	11.132
12	8.615	1.535	1	13.224
13	9.710	5.340	1	51.851
14	12.510	6.875	1	86.006
15	7.065	2.550	1	18.016
16	0.300	0.400	1	0.120
18	3.350	5.390	1	18.057
19	2.565	5.385	1	13.813
20	2.040	1.475	1	3.009
21	3.345	1.625	1	5.436
24	0.240	0.350	8	0.672
TOTAL ADDITIONS (A)				636.134
DEDUCTION				
B	1.525	1.200	1	1.830
C	1.385	1.340	1	1.856
D	0.925	0.400	2	0.740
F	1.630	3.745	1	6.104
G	5.500	2.800	1	15.400
H	3.195	1.500	1	4.793
I	2.845	1.355	1	3.855
J	0.825	0.400	3	0.990
K	1.525	0.800	1	1.220
L	0.885	1.535	1	1.358
M	1.805	2.255	1	4.070
N	5.500	2.800	1	15.400
O	2.820	2.310	1	6.514
O1	1.860	2.200	1	4.092
P	2.870	2.530	2	14.522
Q	3.225	0.800	1	2.580
R	3.230	0.800	1	2.584
S	1.800	2.275	1	4.095
T	0.550	1.675	3	2.764
U	1.525	0.810	2	2.471
V	1.915	2.440	1	4.673
W	1.800	2.275	1	4.095
X	1.080	1.535	1	1.658
DEDUCTION (B)				107.664
F.A.R= COVERED AREA (A) - DEDUCTION (B)				528.471

TOWER B: REFUGE FLOOR CALCULATION				
S.NO.	LENGTH(M)	WIDTH(M)	NO.	AREA(SQ.M.)
COVERED AREA				
1	5.430	5.140	1	27.910
2	10.200	8.890	1	90.678
3	0.240	1.800	4	1.728
5	2.005	2.550	3	15.338
6	1.275	0.750	1	0.956
7	11.300	16.100	1	181.930
8	11.870	6.775	1	80.419
9	5.155	2.530	1	13.042
10	1.235	2.265	1	2.797
11	4.265	2.610	1	11.132
12	8.615	1.535	1	13.224
13	9.710	5.340	1	51.851
14	12.510	6.875	1	86.006
15	7.065	2.550	1	18.016
16	0.300	0.400	1	0.120
18	3.350	5.390	1	18.057
19	2.565	5.385	1	13.813
20	2.040	1.475	1	3.009
21	3.345	1.625	1	5.436
24	0.240	0.350	8	0.672
TOTAL ADDITIONS (A)				636.134
DEDUCTION				
B	1.525	1.200	1	1.830
C	1.385	1.340	1	1.856
D	0.925	0.400	2	0.740
F	1.630	3.745	1	6.104
G	5.500	2.800	1	15.400
H	3.195	1.500	1	4.793
I	2.845	1.355	1	3.855
J	0.825	0.400	3	0.990
K	1.525	0.800	1	1.220
L	0.885	1.535	1	1.358
M	1.805	2.255	1	4.070
N	5.500	2.800	1	15.400
O	2.820	2.310	1	6.514
O1	1.860	2.200	1	4.092
P	2.870	2.530	2	14.522
Q	3.225	0.800	1	2.580
R	3.230	0.800	1	2.584
S	1.800	2.275	1	4.095
T	0.550	1.675	3	2.764
U	1.525	0.810	2	2.471
V	1.915	2.440	1	4.673
W	1.800	2.275	1	4.095
X	1.080	1.535	1	1.658
DEDUCTION (B)				107.664
F.A.R= COVERED AREA (A) - DEDUCTION (B)				528.471

TYPICAL REFUGE FLOOR AREA CALCULATION				
S.NO.	LENGTH(M)	WIDTH(M)	NO.	AREA(SQ.M.)
COVERED AREA				
1	1.800	5.750	1	10.350
2	3.340	3.660	1	12.224
3	1.580	1.750	1	2.765
4	0.240	1.500	1	0.360
5	1.520	2.550	1	3.876
TOTAL ADDITIONS (A)				29.575
DEDUCTION				
DEDUCTION (B)				0.00
REFUGE AREA= TOTAL ADDITIONS (A) - DEDUCTION (B)				29.575

REFUGE AREA
[AREA AT 60M + AREA AT 60M/12.5] X 0.3 + 0.9
0.3 = AREA/ PERSON
0.9 = AREA FOR WHEEL CHAIR BOUND
[548.302 + 548.302/12.5] X 0.3 + 0.9= 27.218 SQM

S.NO.	TYPE	FAR AREA (SQ.M)
A	PERMISSIBLE AREA	27.218
B	PROPOSED AREA	29.575
A	MAIN FAR	528.471
B	FAR BECAUSE OF EXTRA REFUGE AREA	2.357
	TOTAL FAR (A+B)	530.828

STAIRCASE NON-FAR AREA CALCULATION				
S.NO.	LENGTH(M)	WIDTH(M)	NO.	AREA(SQ.M.)
COVERED AREA				
G	5.500	2.800	1	15.400
N	5.500	2.800	1	15.400
TOTAL ADDITIONS (A)				30.800
TOTAL NON FAR AREA				30.800

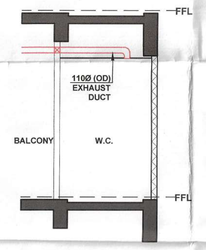
NOTES :-

- VRV System is being provided.
- Full DG power back up is being provided.
- Toilets are mechanical ventilated.
- All lifts shall have 100% power back-up.
- All electrical installations shall be as per provision of nbc.
- Fire-fighting/safety provisions will be as per relevant nbc provisions.
- Basement area shall have mechanically ventilated as per relevant code.
- All toilets are ventilated as per haryana building code 2017.
- Building has automatic sprinkler system wherever required by nbc.
- Building will be designed (structures) as per relevant i.s. codes for earthquake resistance.
- Solar panels of required capacity shall be provided on roof top as per hareda/zoning norms.
- All handicap ramps with railing.
- All fire fighting installations shall be as per provision of nbc.
- The rainwater harvesting system shall be provided as per central ground water auth.norms.

Checked and found ok for Public Health (Internal) Service only subject to comments in in forwarding letter No. 1033-35 Dt...24/9/24
Superintending Engineer (HQ)
for Chief Engineer-I
HSVP, Panchkula

S.T.P.(HQ) Member Secretary B.P.A.C.
S.T.P.(G) G.M.(HR) Member B.P.A.C. Chairman B.P.A.C.
OTP(HQ) ATP(HQ)
AD PA ATP
Varinder Kumar AD(HQ)

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



W.C. MECHANICAL VENTILATION SECTION
SCALE 1:50

TYPICAL MECHANICAL VENTIALTION CALCULATION FOR W.C.							
LOCATION	AREA (SQ.FT.)	HEIGHT (FT.)	VOLUME (CU. FT.)	DESIGN CFM	SELECTED EXHAUST FAN	FAN SIZE (LXBXH) (MM)	EXHAUST DUCT SIZE
W.C. (4BHK)	23.38	10.82	252.97	60	1 # 60 CFM Cassette Inline Fan	250 X 250 X 175	100 mm Dia (110 mm OD) Semi Rigid, Class O, Aluminium Flexible Duct

STRUCTURAL CONSULTANTS:
GOKANI CONSULTANTS

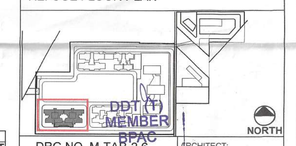
MEP CONSULTANTS:
CESPL PVT LTD.

DEVELOPER:
GODREJ PROPERTIES LTD

ARCHITECT:
ARCHITECTURE COLLECTIVE

REVISED BUILDING PLAN OF GROUP HOUSING COLONY OF AN AREA MEASURING 14.86225 ACRES (LICENSE NO.105 OF 2010 DATED 03.12.2010 & 29 of 2024 DATED. 21.02.2024) in SECTOR-103, GURUGRAM BEING DEVELOPED BY GODREJ VESTAMARK LLP.

TOWER A AND B
REFUGE FLOOR PLAN



DRG.NO. M-TAB-2.6

SCALE : 1:100
DATE :
DEALT : VANSHICA
OWNERS SIGN. Vestamark LLP
Authorised Sig...

ARCHITECT: GAURAV SANAN
CA Registration No. CA/99/25531
ARCHITECTS SIGN.