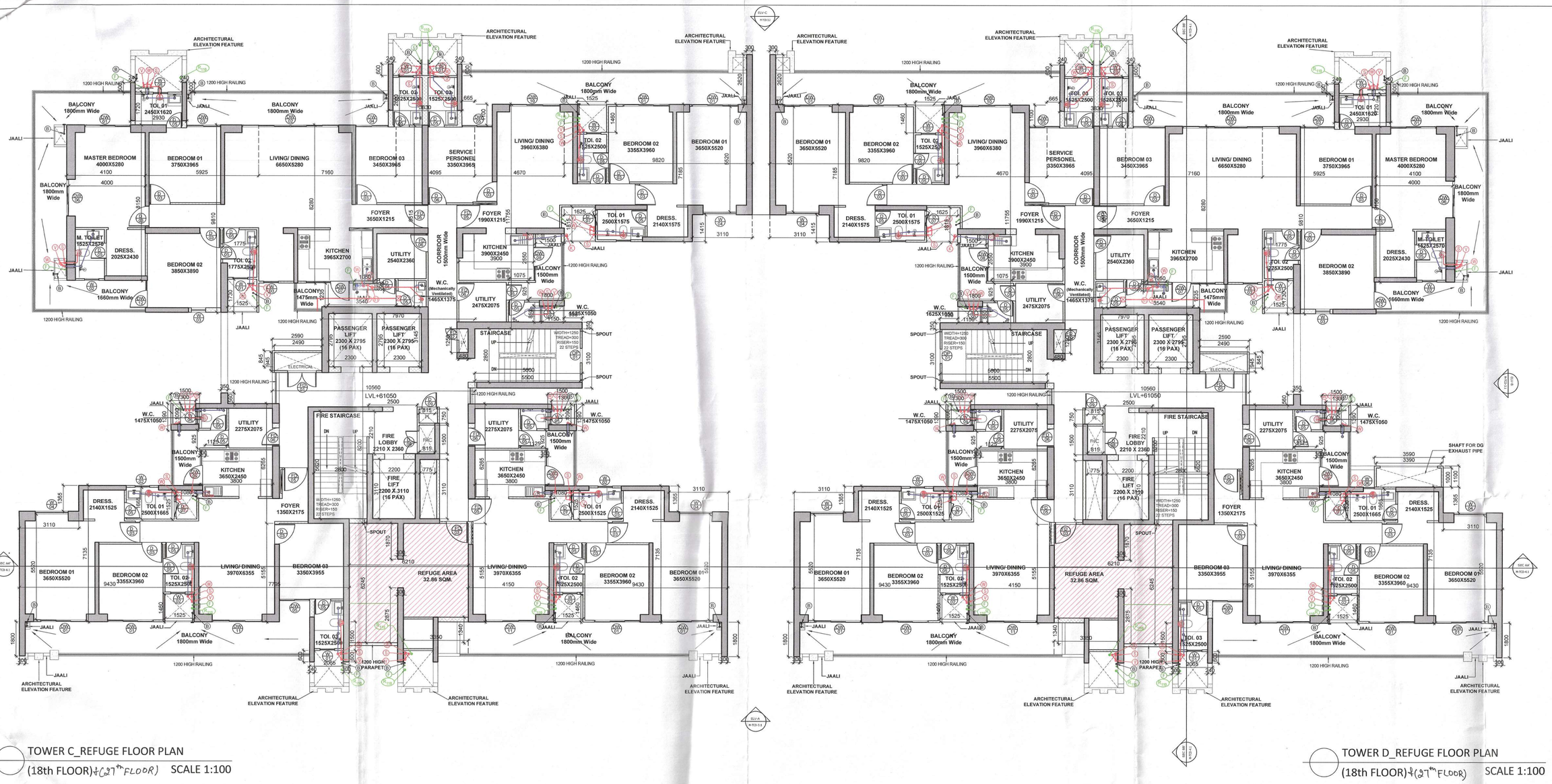
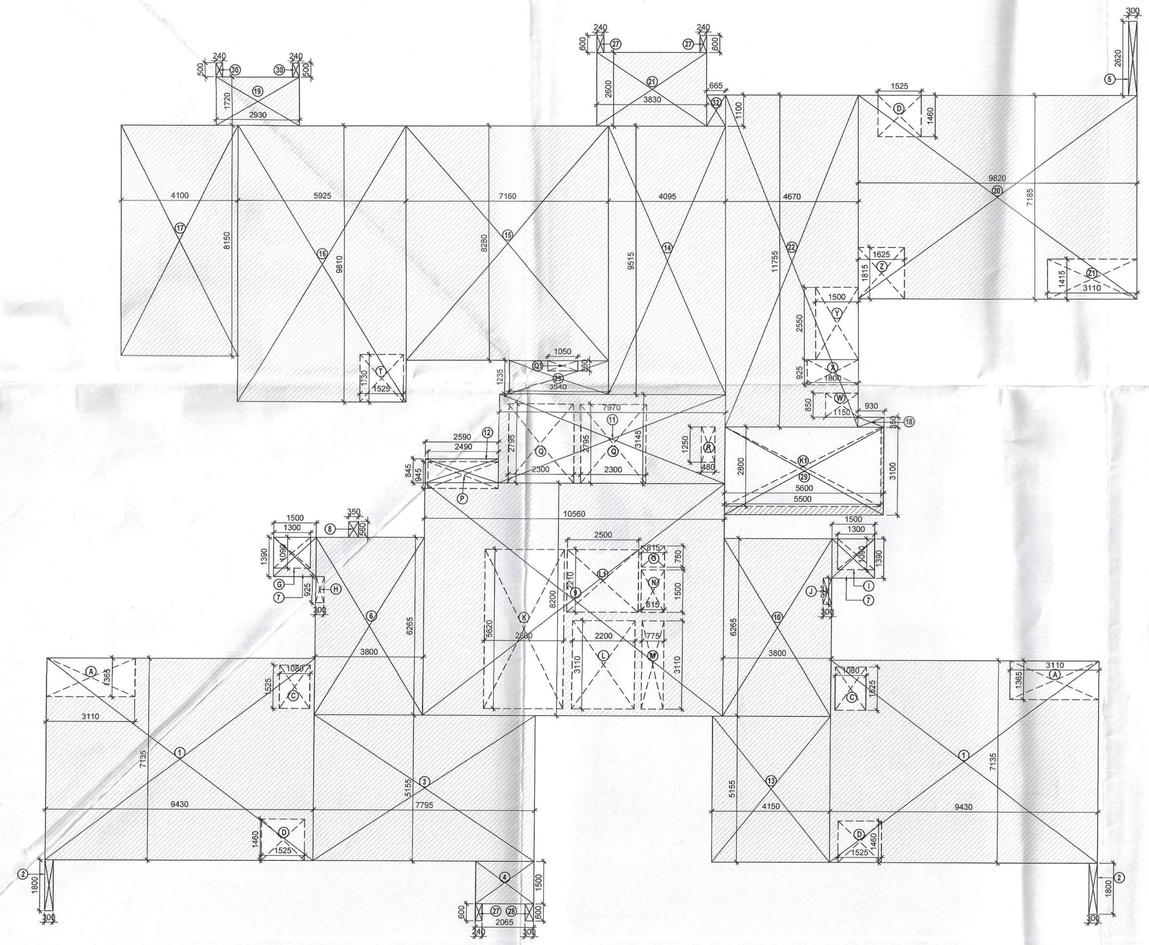
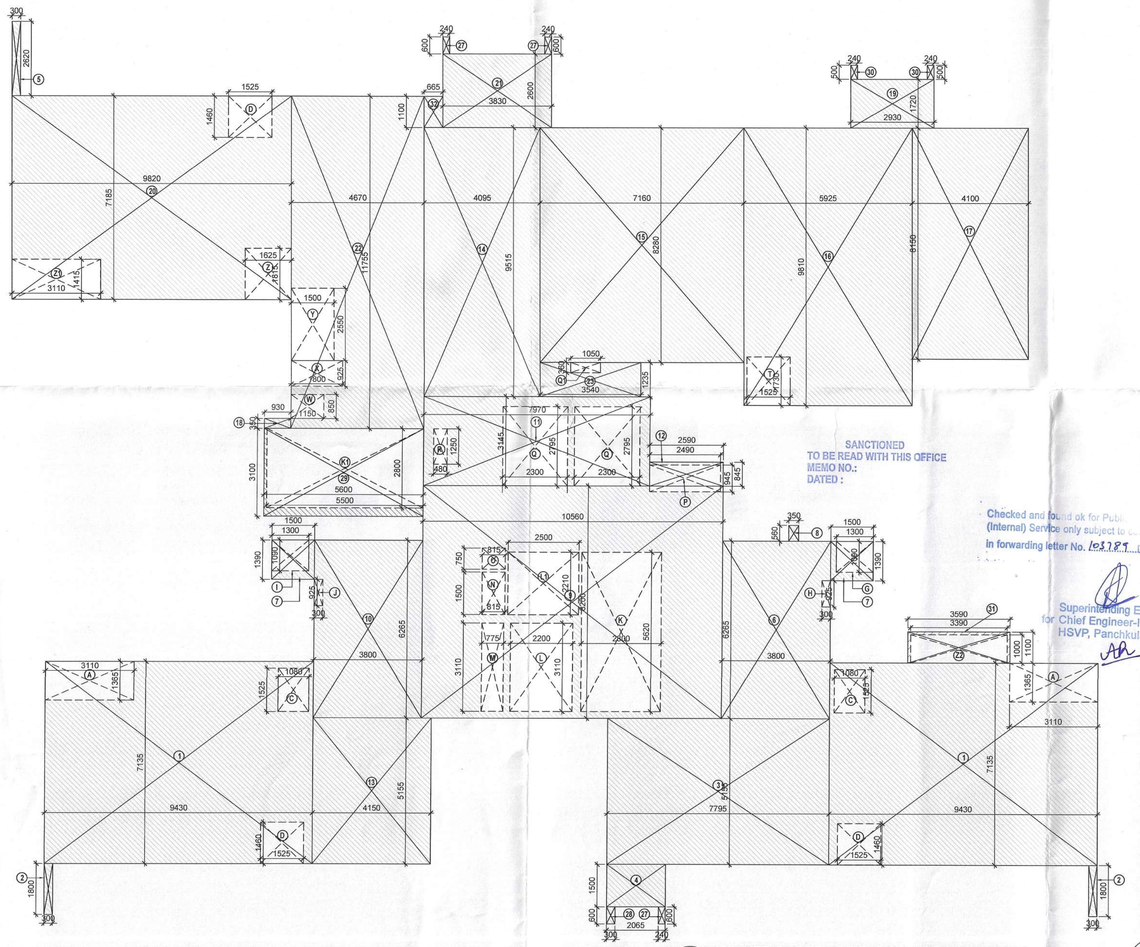


TOWER C_REFUGE FLOOR PLAN
(18th FLOOR)
SCALE 1:100

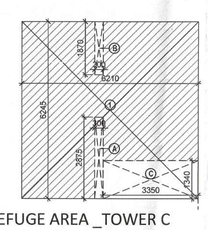
TOWER D_REFUGE FLOOR PLAN
(18th FLOOR)
SCALE 1:100



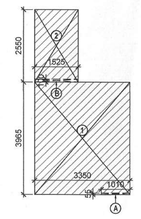
TOWER C_REFUGE FLOOR AREA DIAGRAM
(18th FLOOR)
SCALE 1:100



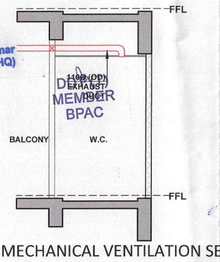
TOWER D_REFUGE FLOOR AREA DIAGRAM
(18th FLOOR)
SCALE 1:100



REFUGE AREA _TOWER C
CARPET AREA
SCALE 1:100



SERVICE PERSONNEL 01 _TOWER C
UNIT CARPET AREA
SCALE 1:100



W.C. MECHANICAL VENTILATION SECTION
SCALE 1:50

TOWER C & D DOOR/ WINDOW	WIDTH	HEIGHT	SILL	LINTEL
D03	1050	2400	-	2400
D04	1800	2400	-	2400
D05	800	2400	-	2400
D07	750	2400	300	2400
D08	1200	2400	300	2400
D09	750	2400	300	2400
D11	1250	2400	-	2400
D13	1250	2400	-	2400
D14	1050	2400	-	2400
D15	750	2400	300	2400
D16	1500	2400	-	2400
D17	1200	2400	-	2400
O	O	O	O	O
FD01	1500	2100	300	2400
FD02	600	2100	300	2400
FD03	1100	2400	-	2400
FD05	1200	2400	-	2400
FD06	900	2400	-	2400
O	O	O	O	O
W01	750	2100	300	2400
W02	750	1200	1200	2400
W03	750	1500	900	2400
W04	1720	1500	900	2400
W05	750	1200	1200	2400
W06	580	1200	1200	2400
O	O	O	O	O
DW01	2400	2400	-	2400
DW02	5050	2400	-	2400
DW03	1785	2400	-	2400
DW04	1685	2400	-	2400
DW05	1580	2400	-	2400
DW06	1920	2400	-	2400
DW07	2265	2400	-	2400
DW08	1750	2400	-	2400
DW09	1820	2400	-	2400
DW10	2640	2400	-	2400
DW11	2610	2400	-	2400
DW12	1420	2400	-	2400
O	O	O	O	O
OP01	750	1200	1200	2400

STAIRCASE NON-FAR AREA CALCULATION

S.NO.	LENGTH(M)	WIDTH(M)	NO.	AREA(SQ.M.)
COVERED AREA				
K	2.800	5.620	1	15.736
K1	5.500	2.800	1	15.400
TOTAL ADDITIONS (A)				31.136
TOTAL NON FAR AREA				31.136

TOWER C SERVICE PERSONEL CARPET AREA CALCULATION

S.NO.	LENGTH(M)	WIDTH(M)	NO.	AREA(SQ.M.)
COVERED AREA				
1	3.350	3.965	1	13.283
2	1.525	2.550	1	3.889
TOTAL ADDITIONS (A)				17.172
DEDUCTION				
A	1.010	0.055	1	0.056
B	1.525	0.100	1	0.153
DEDUCTION (B)				0.208
UNIT CARPET AREA= TOTAL ADDITIONS (A) -DEDUCTIONS (B)				16.963

TOWER D SERVICE PERSONEL CARPET AREA CALCULATION

S.NO.	LENGTH(M)	WIDTH(M)	NO.	AREA(SQ.M.)
COVERED AREA				
1	3.350	3.965	1	13.283
2	1.525	2.550	1	3.889
TOTAL ADDITIONS (A)				17.172
DEDUCTION				
A	1.010	0.055	1	0.056
B	1.525	0.100	1	0.153
DEDUCTION (B)				0.208
UNIT CARPET AREA= TOTAL ADDITIONS (A) - DEDUCTIONS (B)				16.963

TOWER C REFUGE FLOOR AREA CALCULATION

S.NO.	LENGTH(M)	WIDTH(M)	NO.	AREA(SQ.M.)
COVERED AREA				
1	9.430	7.135	2	134.566
2	0.300	1.800	1	1.620
3	7.795	5.155	1	40.183
4	2.065	1.500	1	3.098
5	0.300	2.620	1	0.786
6	3.800	6.265	1	23.807
7	1.500	1.390	2	4.170
8	0.350	0.560	1	0.196
9	10.560	8.200	1	86.592
10	3.800	6.265	1	23.807
11	7.970	3.145	1	25.066
12	2.590	0.845	1	2.189
13	4.150	5.155	1	21.393
14	4.095	9.515	1	38.964
15	7.160	8.280	1	59.285
16	5.925	9.810	1	58.124
17	4.100	8.150	1	33.415
18	0.930	0.350	1	0.326
19	2.930	1.720	1	5.040
20	9.820	7.185	1	70.557
21	3.830	2.600	1	9.958
22	4.670	11.755	1	54.896
23	3.540	1.235	1	4.372
27	0.240	0.600	3	0.432
28	0.300	0.600	1	0.180
29	5.600	3.100	1	17.360
30	0.240	0.500	2	0.240
32	0.665	1.100	1	0.732
31	3.590	1.100	1	3.949
TOTAL ADDITIONS (A)				725.300
DEDUCTION				
A	3.110	1.360	2	8.459
C	1.080	1.520	2	3.283
D	1.520	1.460	3	6.658
G	1.300	1.090	1	1.417
H	0.300	0.920	1	0.276
I	1.300	1.090	1	1.417
J	0.300	0.920	1	0.276
K	2.800	5.620	1	15.736
K1	5.500	2.800	1	15.400
L	2.200	3.110	1	6.842
L1	2.500	2.210	1	5.525
M	0.770	3.110	1	2.395
N	0.810	1.500	1	1.215
O	0.810	0.750	1	0.608
P	2.490	0.945	1	2.353
Q	2.300	2.790	2	12.834
Q1	1.050	0.360	1	0.378
R	0.480	1.250	1	0.600
T	1.520	1.730	1	2.630
W	1.150	0.850	1	0.978
X	1.800	0.920	1	1.656
Y	1.500	2.550	1	3.825
Z	1.620	1.810	1	2.932
Z1	3.110	1.410	1	4.385
Z2	3.390	1.000	1	3.390
DEDUCTION (B)				105.467
F.A.R= COVERED AREA (A) - DEDUCTION (B)				619.834

TOWER D REFUGE FLOOR AREA CALCULATION

S.NO.	LENGTH(M)	WIDTH(M)	NO.	AREA(SQ.M.)
COVERED AREA				
1	9.430	7.135	2	134.566
2	0.300	1.800	1	1.620
3	7.795	5.155	1	40.183
4	2.065	1.500	1	3.098
5	0.300	2.620	1	0.786
6	3.800	6.265	1	23.807
7	1.500	1.390	2	4.170
8	0.350	0.560	1	0.196
9	10.560	8.200	1	86.592
10	3.800	6.265	1	23.807
11	7.970	3.145	1	25.066
12	2.590	0.845	1	2.189
13	4.150	5.155	1	21.393
14	4.095	9.515	1	38.964
15	7.160	8.280	1	59.285
16	5.925	9.810	1	58.124
17	4.100	8.150	1	33.415
18	0.930	0.350	1	0.326
19	2.930	1.720	1	5.040
20	9.820	7.185	1	70.557
21	3.830	2.600	1	9.958
22	4.670	11.755	1	54.896
23	3.540	1.235	1	4.372
27	0.240	0.600	3	0.432
28	0.300	0.600	1	0.180
29	5.600	3.100	1	17.360
30	0.240	0.500	2	0.240
32	0.665	1.100	1	0.732
31	3.590	1.100	1	3.949
TOTAL ADDITIONS (A)				725.300
DEDUCTION				
A	3.110	1.360	2	8.459
C	1.080	1.520	2	3.283
D	1.520	1.460	3	6.658
G	1.300	1.090	1	1.417
H	0.300	0.920	1	0.276
I	1.300	1.090	1	1.417
J	0.300	0.920	1	0.276
K	2.800	5.620	1	15.736
K1	5.500	2.800	1	15.400
L	2.200	3.110	1	6.842
L1	2.500	2.210	1	5.525
M	0.770	3.110	1	2.395
N	0.810	1.500	1	1.215
O	0.810	0.750	1	0.608
P	2.490	0.945	1	2.353
Q	2.300	2.790	2	12.834
Q1	1.050	0.360	1	0.378
R	0.480	1.250	1	0.600
T	1.520	1.730	1	2.630
W	1.150	0.850	1	0.978
X	1.800	0.920	1	1.656
Y	1.500	2.550	1	3.825
Z	1.620	1.810	1	2.932
Z1	3.110	1.410	1	4.385
Z2	3.390	1.000	1	3.390
DEDUCTION (B)				105.467
F.A.R= COVERED AREA (A) - DEDUCTION (B)				619.834

TOWER C REFUGE CARPET AREA CALCULATION

S.NO.	LENGTH(M)	WIDTH(M)	NO.	AREA(SQ.M.)
COVERED AREA				
1	6.210	6.245	1	38.781
TOTAL ADDITIONS (A)				38.781
DEDUCTION				
A	0.300	2.875	1	0.863
B	0.300	1.870	1	0.561
C	3.350	1.340	1	4.489
DEDUCTION (B)				5.913
REFUGE AREA= TOTAL ADDITIONS (A) - DEDUCTION (B)				32.87

TOWER D REFUGE CARPET AREA CALCULATION

S.NO.	LENGTH(M)	WIDTH(M)	NO.	AREA(SQ.M.)
COVERED AREA				
1	6.210	6.245	1	38.781
TOTAL ADDITIONS (A)				38.781
DEDUCTION				
A	0.300	2.875	1	0.863
B	0.300	1.870	1	0.561
C	3.350	1.340	1	4.489
DEDUCTION (B)				5.913
REFUGE AREA= TOTAL ADDITIONS (A) - DEDUCTION (B)				32.87

TOWER C REFUGE AREA
[AREA AT 60M + AREA AT 63M/12.5] X 0.3 + 0.9
0.3 = AREA/ PERSON

0.9 = AREA FOR WHEEL CHAIR BOUND
[640.781 + 640.781/12.5] X 0.3 + 0.9= 31.657 SQM

S.NO.	TYPE	FAR AREA (SQ.M)
A	PERMISSIBLE AREA	31.657
B	PROPOSED AREA	32.869
	TOTAL EXTRA AREA (B-A) TO BE ADDED IN MAIN FAR	1.212
	TOTAL FAR	
A	MAIN FAR	619.109
B	FAR BECAUSE OF EXTRA REFUGE AREA	1.212
	TOTAL FAR (A+B)	620.321

TOWER D REFUGE AREA
[AREA AT 60M + AREA AT 63M/12.5] X 0.3 + 0.9
0.3 = AREA/ PERSON

0.9 = AREA FOR WHEEL CHAIR BOUND
[641.340 + 641.340/12.5] X 0.3 + 0.9= 31.684 SQM

S.NO.	TYPE	FAR AREA (SQ.M)
A	PERMISSIBLE AREA	31.684
B	PROPOSED AREA	32.869
	TOTAL EXTRA AREA (B-A) TO BE ADDED IN MAIN FAR	1.185
	TOTAL FAR	
A	MAIN FAR	619.834
B	FAR BECAUSE OF EXTRA REFUGE AREA	1.185
	TOTAL FAR (A+B)	621.019

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)	21.63	10.82	234.04	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

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.e. codes for earthquake resistance.
- Solar panels of required capacity shall be provided on roof top as per haredaZoning 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.

LEGEND : (Plumbing)

SYMBOL	DESCRIPTION
S	110Ø UPVC SOIL AND VENT PIPE
W	110Ø UPVC WASTE AND VENT PIPE
K	160Ø UPVC WASTE AND VENT PIPE (FOR KITCHEN)
R TP	110Ø UPVC RAIN WATER PIPE
B	110Ø UPVC BALCONY / CORRIDOR DRAIN PIPE
V	110Ø UPVC ANTI SYPHONAGE PIPE
C1	DOMESTIC WATER SUPPLY DROP FROM TANK TO TOILET / KITCHEN FOR TOP THREE FLOOR ONLY
C2 C3	DOMESTIC WATER SUPPLY DROP FROM TANK TO TOILET KITCHEN (REFER WATER SUPPLY SCHEMATIC DWG.)
F	RECYCLED WATER SUPPLY DROP FROM O.H.T. TO W.C.
	WASHING MACHINE
H.S.	HEALTH SPRAY WITH ANGLE VALVE
	DIVERTER
	COLD WATER SUPPLY PIPE (CWS)
	HOT WATER SUPPLY PIPE (HWS)
	RECYCLED WATER SUPPLY PIPE (RWS)
	ISOLATING VALVE
	NON RETURN VALVE

STRUCTURAL CONSULTANTS:
GOKANI CONSULTANTS

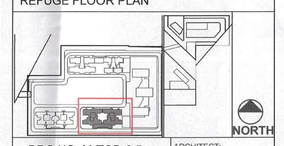
MEP CONSULTANTS:
CESPL PVT LTD.

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 C AND D
REFUGE FLOOR PLAN



DRG.NO. M-TCD-2.5

SCALE: 1:100

DATE:

DEALT: VANSHICA

ARCHITECT: GAURAV SANAN

CA Registration No. CA/99/26531

OWNERS SIGN: Godrej Vestamark LLP Authorised Signatory

ARCHITECTS SIGN.

Checked and found ok for Public (Internal) Service only subject to ... in forwarding letter No. 102129 dt. 24/4/24

S.T.P.(HQ) Member Secretary B.P.A.C. | S.T.P.(HQ) Member B.P.A.C. | S.T.P.(HQ) Chairman B.P.A.C.

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

DTP (HQ) AD | ATP(HQ) PA | ATP

Varinder Kumar AD(HQ)

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