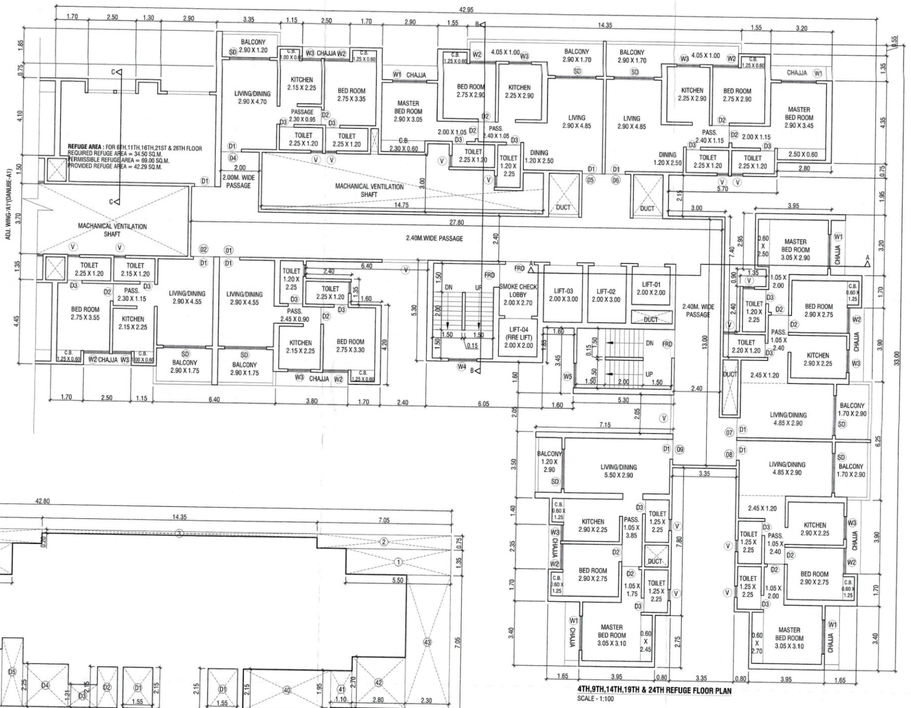
B-UP AREA CALCULATION OF 4TH,9TH,14TH,19TH & 24TH REFUGE FLOOR:							
A	42.80	X	33.20		=	1420.96
TOTAL					=	1420.96
DEDUCTIONS :						
1	5.50	X	1.35		=	7.43
2	7.05	X	0.75		=	5.29
3	14.35	X	0.20		=	2.87
4	2.90	X	1.65		=	4.79
5	9.80	X	0.75		=	7.35
6	2.50	X	0.60		=	1.50
7	2.90	X	3.20		=	9.28
8	1.30	X	2.60		=	3.38
9	2.50	X	3.20		=	8.00
10	1.55	X	2.60		=	4.03
11	0.50	X	6.40		=	3.20
12	6.40	X	3.70		=	23.68
13	1.55	X	6.65		=	10.31
14	2.50	X	7.25		=	18.13
15	1.15	X	6.65		=	7.65
16	6.41	X	5.70		=	36.54
17	3.80	X	6.45		=	24.51
18	1.70	X	5.85		=	9.94
19	8.20	X	3.50		=	28.70
20	26.05	X	1.40		=	36.47
21	26.65	X	2.35		=	62.63
22	26.05	X	1.70		=	44.29
23	27.70	X	3.40		=	94.18
24	8.45	X	3.65		=	30.84
25	5.15	X	2.05		=	10.56
26	1.60	X	5.50		=	8.80
27	2.40	X	2.90		=	6.96
28	4.00	X	1.35		=	5.40
29	6.40	X	0.90		=	5.76
30	0.80	X	2.75		=	2.20
31	4.15	X	3.00		=	12.45
32	3.35	X	7.55		=	25.29
33	2.25	X	3.40		=	7.65
34	0.60	X	1.70	X 2	=	2.04
35	1.20	X	3.90	X 2	=	9.36
36	2.25	X	3.20		=	7.20
37	0.85	X	2.40		=	2.04
38	2.20	X	0.90		=	1.98
39	1.60	X	2.75		=	4.40
40	4.60	X	2.15		=	9.89
41	1.10	X	1.95		=	2.15
42	2.80	X	2.70		=	7.56
43	2.30	X	7.05		=	16.22
TOTAL DEDUCTIONS - (a)						632.86

DUCT AREA CALCULATIONS :						
D1	1.55	X	2.15	X 2	=	6.66
D2	1.05	X	2.15		=	2.26
D3	1.50	X	1.21		=	1.81
D4	2.40	X	2.25		=	5.40
D5	1.10	X	3.60		=	3.96
D6	0.40	X	1.35		=	0.54
D7	8.70	X	3.00		=	26.10
D8	1.25	X	1.15		=	1.44
D9	0.80	X	2.90		=	2.32
D10	2.15	X	0.70		=	1.51
TOTAL DUCT AREA - (b)						52.00

LIFT AREA CALCULATION :						
L1	2.00	X	2.00	X 2	=	8.00
L2	2.00	X	3.00	X 2	=	12.00
TOTAL LIFT AREA - (c)						20.00
						0.00
REFUGE AREA CALCULATIONS :						
R1	2.90	X	5.00		=	14.50
R2	1.30	X	5.60		=	7.28
R3	2.50	X	3.65		=	9.12
R4	1.55	X	4.25		=	6.59
R5	3.55	X	1.35		=	4.79
TOTAL LIFT AREA - (d)						42.29
TOTAL (a+b+c+d)						747.15
TOTAL PROPOSED B-UP AREA OF REFUGE FLOOR						673.81
AREA AS PER PLOTLINE						673.86

REFUGE AREA : FOR 4TH,9TH,14TH,19TH,21ST & 26TH FLOOR
REQUIRED REFUGE AREA = 34.50 SQ.M.
PERMISSIBLE REFUGE AREA = 69.00 SQ.M.
PROVIDED REFUGE AREA = 42.29 SQ.M.


42.95
14.35
27.80
2.40M WIDE PASSAGE
MECHANICAL VENTILATION SHAFT
ADJ. WING-N1(DUNUBE-A1)
LIFT-01 2.00 X 2.00
LIFT-02 2.00 X 3.00
LIFT-03 2.00 X 3.00
LIFT-04 (FIRE LIFT) 2.00 X 2.00
SMOKE CHECK LOBBY 2.00 X 2.70
LIVING/DINING 2.90 X 4.70
LIVING/DINING 2.90 X 4.55
LIVING/DINING 4.85 X 2.90
LIVING/DINING 5.50 X 2.90
BED ROOM 2.75 X 3.35
BED ROOM 2.75 X 3.30
BED ROOM 2.90 X 2.75
MASTER BED ROOM 2.90 X 3.05
MASTER BED ROOM 3.05 X 3.10
MASTER BED ROOM 3.05 X 3.45
KITCHEN 2.15 X 2.25
KITCHEN 2.90 X 2.25
KITCHEN 2.25 X 2.90
KITCHEN 2.25 X 2.90
TOILET 2.25 X 1.20
TOILET 1.20 X 2.25
TOILET 1.25 X 2.25
PASSAGE 2.30 X 0.90
PASS. 2.45 X 0.90
PASS. 2.40 X 1.05
DINING 1.20 X 2.50
BALCONY 2.90 X 1.20
BALCONY 2.90 X 1.75
BALCONY 2.90 X 1.70
BALCONY 1.70 X 2.90
BALCONY 1.20 X 2.90
2.00M. WIDE PASSAGE
4.05 X 1.00
4.05 X 1.00
2.50 X 0.60
2.45 X 1.20
2.40 X 1.15
2.00 X 1.05
2.00 X 1.20
2.00 X 1.20
2.00 X 1.20