

REFUGUE AREA CALCULATION		
S.NO	DESCRIPTION	AREA (IN SQMT)
1	TYPICAL FLOOR FAR AREA (18TH FLOOR)	472.62
2	UPPER FLOOR FAR AREA (19TH FLOOR)	507.77
3	TOTAL AREA OF LOWER & UPPER FLOOR	980.39
4	OCCUPANT LOAD (12.5M ²) FOR GROSS AREA	12.5
5	OCCUPANT LOAD	78.4312
6	OCCUPANT LOAD PER PERSON (0.3M ²)	0.3
7	OCCUPANT LOAD	23.529
8	WHEEL CHAIR REQUIREMENTS (0.9M ²)	0.9
9	TOTAL OCCUPANT LOAD	24.43
10	REFUGUE AREA PROVIDED	27.15

REFUGUE AREA CALCULATION (18TH FLOOR)		
R1	1	X 3.425 X 3.185 = 10.91
R2	1	X 2.100 X 1.380 = 2.898
REFUGUE AREA = 13.807		
DEDUCTION OF COLUMN AREA		
1	2	X 0.360 X 0.320 = 0.230
NET REFUGUE AREA = 13.576		
TOTAL REFUGUE AREA	13.576	X 2.00 = 27.15

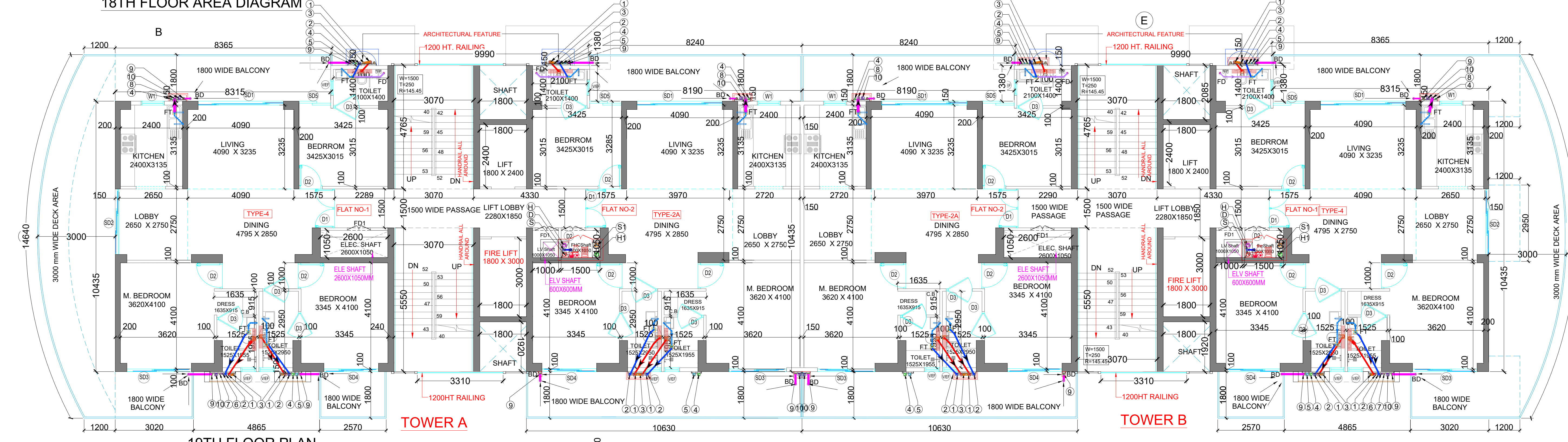
18th. FLOOR BUILT UP AREA		
FAR AREA (18TH Floor)	=	444.05
NON FAR AREA = 138.68 - 44.57	=	94.11
BUILT UP AREA	=	538.16

18TH FLOOR (TOWER A & B)		
FAR AREA CHART		
A	2	X 8.315 X 10.435 = 173.53
B	2	X 8.190 X 10.435 = 170.92
C	2	X 9.990 X 10.435 = 208.49
D	2	X 9.990 X 1.380 = 27.57
GROSS PLATE AREA 580.52		
DEDUCTIONS		
1	2	X 3.070 X 4.765 = 29.26
2	2	X 1.800 X 2.085 = 7.51
3	2	X 1.800 X 2.400 = 8.64
3A	2	X 1.800 X 3.000 = 10.80
4	2	X 1.500 X 1.050 = 3.15
5	2	X 1.000 X 1.050 = 2.10
6	2	X 3.070 X 5.550 = 34.08
7	2	X 2.600 X 1.050 = 5.46
8	2	X 1.800 X 1.920 = 6.91
R1	2	X 3.425 X 3.285 = 22.50
R2	2	X 2.200 X 1.380 = 6.07
TOTAL 136.48		
NET FAR AREA	580.52	- 136.48 = 444.05

18TH FLOOR NON FAR AREA CHART		
1	2	X 3.070 X 4.765 = 29.26
2	2	X 1.800 X 2.085 = 7.51
3	2	X 1.800 X 2.400 = 8.64
3A	2	X 1.800 X 3.000 = 10.80
4	2	X 1.500 X 1.050 = 3.15
5	2	X 1.000 X 1.050 = 2.10
6	2	X 3.070 X 5.550 = 34.08
7	2	X 2.600 X 1.050 = 5.46
8	2	X 1.800 X 1.920 = 6.91
R1	2	X 3.425 X 3.285 = 22.50
R2	2	X 2.200 X 1.880 = 8.27
TOTAL 138.68		
DEDUCTIONS (CUTOUT & SHAFTS)		
2	2	X 1.800 X 2.085 = 7.51
3	2	X 1.800 X 2.400 = 8.64
3A	2	X 1.800 X 3.000 = 10.80
4	2	X 1.500 X 1.050 = 3.15
5	2	X 1.000 X 1.050 = 2.10
7	2	X 2.600 X 1.050 = 5.46
8	2	X 1.800 X 1.920 = 6.91
TOTAL 44.57		
NET NON FAR AREA	138.68	- 44.57 = 94.11

18TH FLOOR PLAN

18TH FLOOR AREA DIAGRAM



19th. FLOOR BUILT UP AREA		
FAR AREA (19TH Floor)	=	507.77
NON FAR AREA = 107.90 - 44.57	=	63.33
BUILT UP AREA	=	571.10

19TH FLOOR (TOWER A & B)		
FAR AREA CHART		
A	2	X 8.315 X 10.435 = 173.53
B	2	X 8.190 X 10.435 = 170.92
C	2	X 9.990 X 10.435 = 208.49
D	2	X 9.990 X 1.380 = 27.57
E	2	X AREA AS PER POYLINE = 35.15
GROSS PLATE AREA 615.67		
DEDUCTIONS		
1	2	X 3.070 X 4.765 = 29.26
2	2	X 1.800 X 2.085 = 7.51
3	2	X 1.800 X 2.400 = 8.64
3A	2	X 1.800 X 3.000 = 10.80
4	2	X 1.500 X 1.050 = 3.15
5	2	X 1.000 X 1.050 = 2.10
6	2	X 3.070 X 5.550 = 34.08
7	2	X 2.600 X 1.050 = 5.46
8	2	X 1.800 X 1.920 = 6.91
TOTAL 107.90		
NET FAR AREA	615.67	- 107.90 = 507.77

19TH FLOOR NON FAR AREA CHART		
1	2	X 3.070 X 4.765 = 29.26
2	2	X 1.800 X 2.085 = 7.51
3	2	X 1.800 X 2.400 = 8.64
3A	2	X 1.800 X 3.000 = 10.80
4	2	X 1.500 X 1.050 = 3.15
5	2	X 1.000 X 1.050 = 2.10
6	2	X 3.070 X 5.550 = 34.08
7	2	X 2.600 X 1.050 = 5.46
8	2	X 1.800 X 1.920 = 6.91
TOTAL 107.90		
DEDUCTIONS OF CUTOUTS		
2	2	X 1.800 X 2.085 = 7.51
3	2	X 1.800 X 2.400 = 8.64
3A	2	X 1.800 X 3.000 = 10.80
4	2	X 1.500 X 1.050 = 3.15
5	2	X 1.000 X 1.050 = 2.10
7	2	X 2.600 X 1.050 = 5.46
8	2	X 1.800 X 1.920 = 6.91
TOTAL 44.57		
NON FAR AREA	107.90	- 44.57 = 63.33

19TH FLOOR PLAN

19TH FLOOR PLAN AREA DIAGRAM

DOOR WINDOW SCHEDULE				
Sr. No.	TYPE	WIDTH	HEIGHT	CILL LINTEL
1	SD1	3290	2400	- 2400
2	SD2	2530	2400	- 2400
3	SD3	2490	2400	- 2400
4	SD4	2100	2400	- 2400
5	SD5	1225	2400	- 2400
6	FD	1500	2400	- 2400
7	FD1	900	2400	- 2400
8	FD2	1800	2400	- 2400
9	D1	1500	2400	- 2400
10	D2	1000	2400	- 2400
11	DISWING	900	2400	- 2400
12	D4	1200	2400	- 2400
13	W1	900	1550	850 2400
14	V/EF	900	900	1500 2400
15	V1/EF	600	900	1500 2400

NOTE : D1 MAIN DOOR WITH 1 HR FIRE RATING

CLIENT:- M/S EMPERIUM INFRASTRUCTURE PVT. LTD.
 PROJECT :- PROPOSED GROUP HOUSING COLONY UNDER RETIREMENT HOUSING POLICY DATED 17.08.2021 OVER AN AREA MEASURING 1.03125 ACRES IN THE REVENUE ESTATE OF VILLAGE HARSARU, SECTOR -88A, DISTRICT GURUGRAM (HARYANA) (LICENCE NO 165 OF 2025 DATED 04.09.2025)
 BEING DEVELOPED BY M/S EMPERIUM INFRASTRUCTURE PVT. LTD.
 SCALE : 1:100

DRAWING NAME	A1	NORTH
18TH & 19TH FLOOR PLAN AREA DIAGRAM		
DRAWING NO.		SUB-08
APPLICANT'S SIGN.		ARCHITECT'S SIGN