CLUSTER - 5 TOWER - 6
(LOWER STILT+ UPPER STILT +1ST PODIUM LVL.+ STILT/LOBBY LVL. +1ST TO 20TH FLOOR)

77 / 107

CONTENTS OF SHEET

REFUGE FLOOR PLAN, AREA LINE DIAGRAM & AREA CALCULATIONS, ETC.

STAMP OF APPROVAL OF PLAN

PLANS APPROVED (.107....NOS OF DRAWINGS) WHICH ARE TO BE READ ALONG WITH COMMENCEMENT CERTIFICATE / AMENDED COMMENCEMENT CERTIFICATE ISSUED UPTO PLINTH LEVEL BEARING NO.9807/Construction/Ujwal Bpltp/Dahisar-Sonapur- DATED 03 FEB 2020 AND THE CONDITIONS MENTIONED THEREIN

Planner, Planning Division MMRDA

SCHEDULE OF DOOR & WINDOW

S.NO.	TYPE DOOR & WINDOW	OPENING SIZE	DESCRIPTION
1	D1	1.05 x 2.25	SINGLE SHUTTER FIRE RATED FLUSH DOOR
2	D2	0.91 x 2.25	SINGLE SHUTTER FLUSH DOOR
3	D3	0.75 x 2.25	SINGLE SHUTTER FLUSH DOOR
5	D5	1.20 x 2.25	DOUBLE RATED FIRE DOOR
6	W1	2.35 x 2.25	3 PANEL SLIDING ALLUMINIUM WINDOW
7	W2	2.68 x 2.25	3 PANEL SLIDING ALLUMINIUM WINDOW
8	W3	2.65 x 2.25	3 PANEL SLIDING ALLUMINIUM WINDOW
8	W4	2.28 x 2.25	3 PANEL SLIDING ALLUMINIUM WINDOW
9	W5	1.80 x 2.25	2 PANEL SLIDING WINDOW / PART FIXED
10	W6	1.50 x 1.45	2 PANEL SLIDING WINDOW / PART FIXED
11	W7	0.95 x 1.20	2 PANEL SLIDING ALLUMINIUM WINDOW
12	W8	0.80 x 1.20	2 PANEL SLIDING ALLUMINIUM WINDOW
13	W9	0.85 x 1.65	2 PANEL SLIDING ALLUMINIUM WINDOW
14	V1	0.60 x 1.05	LOUVERED VENTILATOR

DESCRIPTION OF PROPOSAL

PROPOSED **INTEGRATED TOWNSHIP PROJECT** ON PLOT BEARING VILLAGE - USARGHAR BEARING S. NO. 17/1,17/2,.17/3/A, 17/3/B, 17/4, 17/5, 19/1,19/2, 19/3,19/4,20/3,20/4,20/5,34/1,36 /1/A, 36 /1/B, 37/1, 37/2, 38/1, 38/2, 38/3, 38/4, 70/9, 70/10, 70/11, 71/1, 71/2, 71/3, 71/4, 71/8, 91/1, 91/2, 91/3, 91/4, 91/5, 92/1, 92/2, 93/P, 103/2,103/3,103/4,103/5,103/6/A 103/6/B, 103/7, 103/8, 103/9, 103/10, 103/11,103/12,103/13,103/14/B, 103/15, 103/16, 103/17, 103/18, 106/2,106/3,107/1, 107/2/A, 107/2/B, 107/3, 107/4, 107/5, 107/6, 107/7, 107/8, 107/9, 107/10, 107/11, 107/12, 107/13, 107/14, 107/15, 107/16, 107/17, 107/18, 107/19, 107/20, 107/22,107/23, 107/24,107/25A,107/25B, 107/26A, 107/26B,108/1, 108/2, 108/3, 109P, 134/1, 134/2,134/3 DIST- THANE AND VILLAGE SANDAP BEARING S. NO. 2, 21/1 DIST- THANE

NAME AND ADDRESS OF / P.O.A.H.

DIRECTOR , S. S. RUNWAL
M/S. HORIZON PROJECTS PVT. LTD.
RUNWAL GROUP, RUNWAL & OMKAR ESQUARE,
5TH FLOOR, OPP.SION CHUNABHATTI SIGNAL,
SION.(EAST) MUMBAI - 400022

SIGNATURE OF OWNER / P.O.A.H. : - SIGNATURE OF ARCHITECT

ARCHITECTS

Sahar ARCHITECTS
2ND FLOOR, NAKSHATRA, A WING,
NEAR TMC, ALMEIDA ROAD,
PANCHPAKHADI, THANE (W). 400 602
PHONE - 2537 8701, TELEFAX - 2536 4700
E MAIL - saakaararchitects@yahoo.co.in

DRG.NO	SCALE	DATE	DRN.BY	CHKD.BY
C-699/2019/A-M/77	1 : 100	21.01.2020	PRATHAMESH/GAURAV	

\\SERVER\Sakaar1\2\Cad Drawings\RUNWAL USARGHAR - MH CITY\2. MUNICIPAL\114. ITP - Revised Layout Approval - Cluster 4 - 20 Floors\11. Cluster 5 - Tower - 3 & 9 & 12.dwg

REFUGE AREA LINE DIG.OF 6TH FLOOR (SCALE 1:100)

REFUGE AREA CALCULATION OF 6TH FLOOR : BLOCK - R

1.	2.13 X 3.04	=	6.48
2.	6.85 X 1.05	=	7.19
3.	3.20 X 3.82	=	12.22
4.	1.63 X 4.46	=	7.27
5.	1.67 X 4.75	=	7.93
6.	3.19 X 1.33	=	4.24
TOTAL		=	45.33

AS PER POLY LINE AREA = 45.30 SQ.M.

REFUGE AREA LINE DIG.OF 11TH FLOOR (SCALE 1:100)

REFUGE AREA CALCULATION OF 11TH FLOOR : BLOCK - R

1.	2.13 X 3.04	=	6.48
2.	6.85 X 1.05	=	7.19
3.	3.20 X 3.82	=	12.22
4.	1.63 X 4.46	=	7.27
5.	2.44 X 4.75	=	11.59
6.	1.43 X 3.95	=	5.65
7.	3.19 X 1.33	=	4.24
TOTAL		=	54.64

AS PER POLY LINE AREA = 54.60 SQ.M.

REFUGE AREA LINE DIG.OF 17TH FLOOR (SCALE 1:100)

REFUGE AREA CALCULATION OF 17TH FLOOR : BLOCK - R

1.	2.13 X 3.04	=	6.48
2.	5.22 X 1.05	=	5.48
3.	3.20 X 3.82	=	12.22
4.	1.63 X 0.76	=	1.24
5.	1.74 X 6.08	=	10.58
TOTAL		=	36.00

AS PER POLY LINE AREA = 36.00 SQ.M.

REFUGE AREA REQUIRED ON 6TH FLOOR

FLOOR	B.UP AREA
6TH	330.89 SQ.M.
7TH	388.42 SQ.M.
8TH	388.42 SQ.M.
9TH	388.42 SQ.M.
10TH	388.42 SQ.M.
TOTAL	1884.57 SQ.M.

1884.57 / 12.50 = 150.77 PERSONS
PER PERSON 0.30 SQ.M
= 151 X 0.30 = 45.30 SQ.M.
REFUGE AREA PROVIDED = 45.30 SQ.M.

REFUGE AREA REQUIRED ON 11TH FLOOR

FLOOR	B.UP AREA
11TH	330.89 SQ.M.
12TH	388.42 SQ.M.
13TH	388.42 SQ.M.
14TH	388.42 SQ.M.
15TH	388.42 SQ.M.
16TH	388.42 SQ.M.
TOTAL	2272.99 SQ.M.

2272.99 / 12.50 = 181.83 PERSONS
PER PERSON 0.30 SQ.M
= 182 X 0.30 = 54.60 SQ.M.
REFUGE AREA PROVIDED = 54.60 SQ.M.

REFUGE AREA REQUIRED ON 17TH FLOOR

FLOOR	B.UP AREA
17TH	330.89 SQ.M.
18TH	388.42 SQ.M.
19TH	388.42 SQ.M.
20TH	388.42 SQ.M.
TOTAL	1496.15 SQ.M.

1496.15 / 12.50 = 119.69 PERSONS
PER PERSON 0.30 SQ.M
= 120 X 0.30 = 36.00 SQ.M.
REFUGE AREA PROVIDED = 36.00 SQ.M.

BUILT UP AREA CALCULATION OF 6TH, 11TH & 17TH REFUGE FLOOR :

BLOCK "A" = 37.23 X 24.25 = 902.83 SQ.M.

DEDUCTION FOR

1.	2.94	X	6.94	=	20.40
2.	2.84	X	5.90	=	16.76
3.	3.20	X	8.02	=	25.66
4.	2.13	X	0.77	=	1.64
5.	2.33	X	3.77	=	8.78
6.	0.70	X	3.83	=	2.68
7.	2.95	X	1.52	=	4.48
8.	5.65	X	1.08	=	6.10
9.	3.00	X	2.32	=	6.96
10.	1.58	X	3.95	X 2	6.24
11.	2.77	X	0.60	=	3.32
12a	1.58	X	7.57	=	11.96
13.	1.45	X	2.31	=	12.04
14.	0.75	X	1.31	=	3.35
15.	2.13	X	0.78	=	0.98
16.	3.00	X	4.98	=	1.66
17.	0.65	X	1.35	=	14.94
18.	3.20	X	7.57	=	0.88
19.	3.19	X	5.60	=	24.22
20.	3.25	X	6.93	=	17.86
21.	2.38	X	1.40	=	22.52
22.	4.82	X	0.91	=	3.33
23.	11.67	X	1.05	=	4.39
24.	0.39	X	3.82	=	12.25
25.	11.38	X	10.61	=	1.49
26.	2.77	X	0.60	=	120.74
27.	0.59	X	2.84	=	1.66
28.	1.61	X	3.21	X 2	1.68
29.	2.97	X	0.93	X 2	6.48
30.	4.05	X	2.74	=	5.52
31.	4.50	X	0.60	=	11.10
32.	1.73	X	6.34	=	2.70
33.	2.13	X	0.77	=	10.97
34.	0.59	X	2.99	=	1.64
35.	3.20	X	7.24	=	1.76
36.	2.84	X	5.11	=	23.17
37.	2.94	X	6.16	=	14.51
38.	4.16	X	1.73	X 2	18.11
				=	4.71
				=	7.20
S1.	0.20	X	0.77	=	0.15
S2.	3.98	X	0.18	=	0.72
S3.	3.99	X	0.18	=	0.72
S4.	0.20	X	3.82	=	0.76
S5.	13.95	X	3.27	=	45.62
P1.	0.31	X	0.72	=	0.22
P2.	3.00	X	0.88	=	2.64
P3.	14.94	X	1.53	=	22.86
P4.	3.00	X	0.93	=	2.79
P5.	0.68	X	0.72	=	0.49
P6.	2.65	X	4.33	=	11.47
$P7_a$	2.65	X	0.90	=	2.39
L1.	2.45	X	1.95 X 3	=	14.33
TOTAL AREA				=	572.00

BUILT UP AREA OF 6TH, 11TH & 17TH REFUGE FLOOR :
= 902.83 - 572.00 = 330.83 SQ.M.
AS PER POLY LINE = 330.89 SQ.M.

CUPBOARD AREA CALCULATION OF 6TH, 11TH & 17TH REFUGE FLOOR :

CB1 :	2.38 X 0.60 X 1	=	1.43	
CB2 :	1.72 X 0.60 X 2	=	2.06	
CB3 :	1.45 X 0.60 X 2	=	1.74	
TOTAL CUPBOARD AREA		=	5.23 SQ.M.	

AS PER POLY LINE = 5.22 SQ.M.
= 5.22 X 3 = 15.66 SQ.M.

STAIRCASE AND PASSAGE AREA CALCULATION 6TH, 11TH & 17TH REFUGE FLOOR :

ADDITION FOR:

S1.	0.20	X	0.77	=	0.15
S2.	3.98	X	0.18	=	0.72
S3.	3.99	X	0.18	=	0.72
S4.	0.20	X	3.82	=	0.76
S5.	13.95	X	3.27	=	45.62
P1.	0.31	X	0.725	=	0.225
P2.	3.00	X	0.875	=	2.625
P3	14.94	X	1.525	=	22.784
P4	3.00	X	0.925	=	2.775
P5.	0.68	X	0.725	=	0.493
P6.	2.65	X	4.33	=	11.47
P7.	2.65	X	0.90	=	2.39
TOTAL STAIRCASE AREA				=	90.732

DDEDUCTION FOR:

D1.	1.66	X	0.575	=	0.955
D2.	1.98	X	0.575	=	1.139
D3.	2.50	X	0.75	=	1.88
TOTAL STAIRCASE AREA				=	3.974

= 90.732 - 3.974 = 86.76 SQ.M.
AS PER POLY LINE = 86.79 SQ.M.