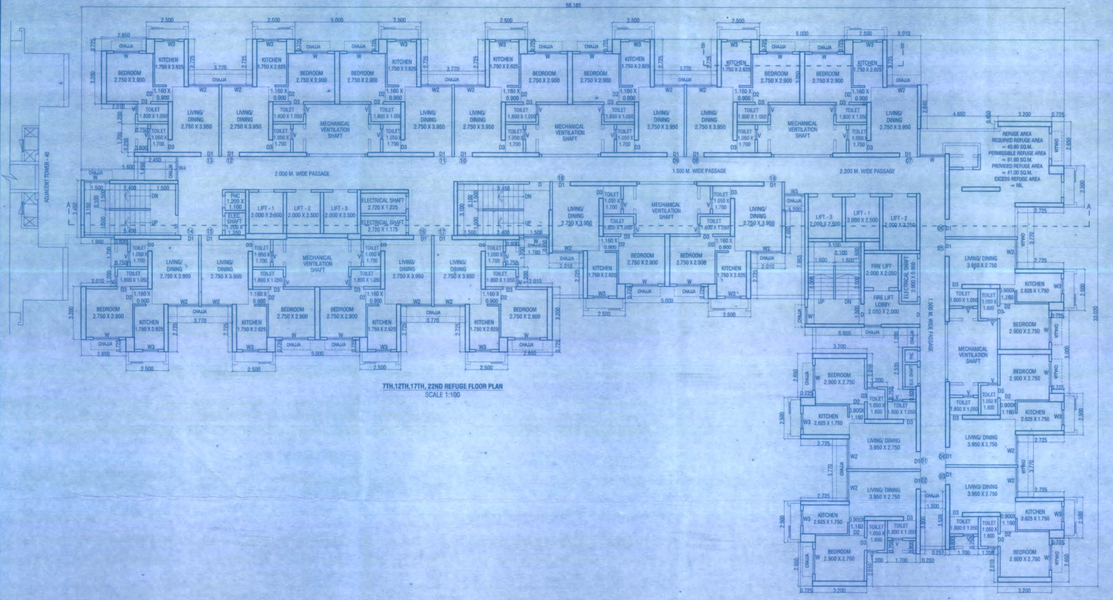
REFUGE AREA REQUIRED ON 7TH FLOOR : = 4% OF(B.UP. AREA OF 7TH TO 9TH FLOOR (INCLUDING BALC.)	
FLOOR	B.UP. AREA
7TH	832.40
8TH	847.80
9TH	847.80
TOTAL	1688.60 SQ.M.
1688.60/2.50 SQ.M. = 135.87 PERSONS PER PERSON 0.30 SQ.M.	
= 136 X 0.30 =	40.80 SQ.M.
REFUGE AREA PROVIDED =	41.00 SQ.M.
PERMISSIBLE REFUGE AREA =	40.80 X 2 = 81.60 SQ.M.
EXCESS REFUGE AREA =	NIL

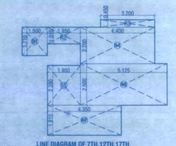
REFUGE AREA REQUIRED ON 12TH FLOOR : = 4% OF(B.UP. AREA OF 12TH TO 15TH FLOOR (INCLUDING BALC.)	
FLOOR	B.UP. AREA
12TH	854.87
13TH	847.80
TOTAL	1701.87 SQ.M.
1701.87/12.50 SQ.M. = 136.15 PERSONS PER PERSON 0.30 SQ.M.	
= 136 X 0.30 =	40.80 SQ.M.
REFUGE AREA PROVIDED =	41.00 SQ.M.
PERMISSIBLE REFUGE AREA =	40.80 X 2 = 81.60 SQ.M.
EXCESS REFUGE AREA =	------

REFUGE AREA REQUIRED ON 17TH FLOOR : = 4% OF(B.UP. AREA OF 17TH TO 18TH FLOOR (INCLUDING BALC.)	
FLOOR	B.UP. AREA
17TH	854.87
18TH	847.80
TOTAL	1701.87 SQ.M.
1701.87/12.50 SQ.M. = 136.15 PERSONS PER PERSON 0.30 SQ.M.	
= 136 X 0.30 =	40.80 SQ.M.
REFUGE AREA PROVIDED =	41.00 SQ.M.
PERMISSIBLE REFUGE AREA =	40.80 X 2 = 81.60 SQ.M.
EXCESS REFUGE AREA =	------

REFUGE AREA REQUIRED ON 22ND FLOOR : = 4% OF(B.UP. AREA OF 22ND TO 23RD FLOOR (INCLUDING BALC.)	
FLOOR	B.UP. AREA
22ND	854.87
23RD	847.80
TOTAL	1701.87 SQ.M.
1701.87/12.50 SQ.M. = 136.15 PERSONS PER PERSON 0.30 SQ.M.	
= 136 X 0.30 =	40.80 SQ.M.
REFUGE AREA PROVIDED =	41.00 SQ.M.
PERMISSIBLE REFUGE AREA =	40.80 X 2 = 81.60 SQ.M.
EXCESS REFUGE AREA =	------



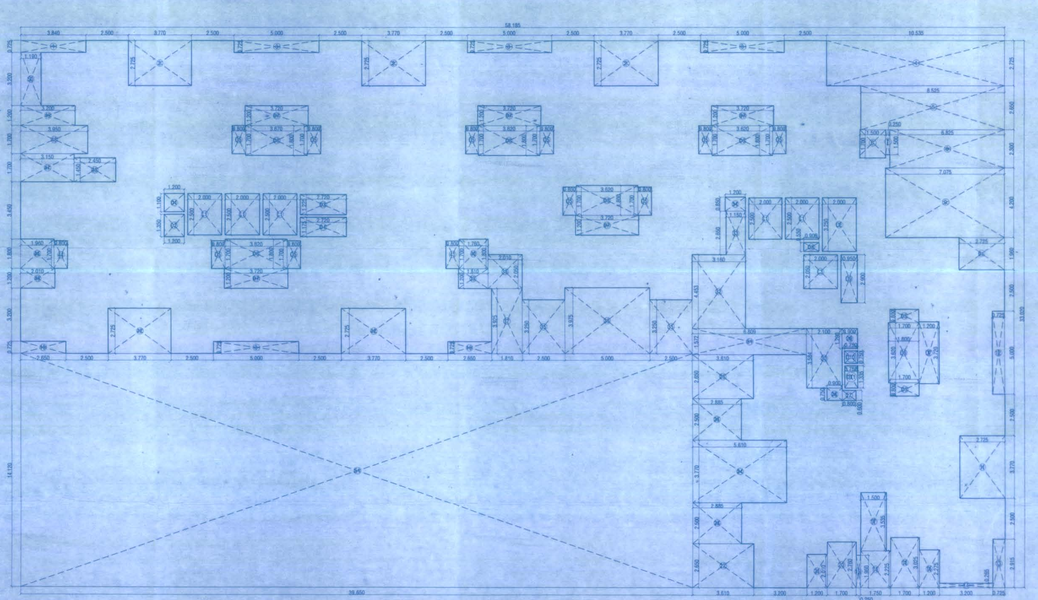
7TH,12TH,17TH, 22ND REFUGE FLOOR PLAN
SCALE 1:100



LINE DIAGRAM OF 7TH,12TH,17TH, 22ND REFUGE AREA
SCALE 1:100

BUILT UP AREA CALCULATION OF 7TH,12TH,17TH, 22ND REFUGE AREA :

BLOCK - A						
R1	7.500	X	1.710	X	1	= 2.565
R2	1.950	X	1.710	X	1	= 1.610
R3	3.200	X	0.450	X	1	= 1.440
R4	4.400	X	2.250	X	1	= 9.660
R5	1.950	X	2.390	X	1	= 4.661
R6	5.125	X	2.500	X	1	= 12.813
R7	4.300	X	1.810	X	1	= 7.870
TOTAL AREA						= 41.00 SQ.M.
AS PER POLY LINE AREA						= 41.00 SQ.M.



AREA LINE DIAGRAM OF 7TH,12TH,17TH, 22ND REFUGE FLOOR PLAN
SCALE 1:100

BUILT UP AREA CALCULATION OF 7TH,12TH,17TH, 22ND REFUGE FLOOR

BLOCK - A	59.185 X 33.020			= 1951.260
TOTAL AREA				= 1951.260 SQ.M.
1	3.840 X 0.725	X	=	2.784
2	3.770 X 2.725	X 3	=	30.820
3	5.080 X 2.725	X 4	=	14.500
4	19.535 X 2.725	X 1	=	28.708
5	8.525 X 2.900	X 1	=	22.591
6	1.500 X 1.700	X 1	=	2.550
7	0.850 X 1.500	X 1	=	3.375
8	8.825 X 2.300	X 1	=	15.686
9	7.075 X 4.200	X 1	=	29.715
9a	2.725 X 1.960	X 1	=	5.341
10	0.725 X 2.650	X 2	=	3.843
11	2.725 X 3.770	X 1	=	10.273
12	2.725 X 5.020	X 1	=	13.676
13	0.725 X 2.915	X 1	=	2.113
14	5.200 X 5.355	X 1	=	1.846
15	1.200 X 2.275	X 1	=	2.730
16	1.750 X 3.023	X 1	=	5.143
17	1.500 X 3.535	X 1	=	1.303
18	1.750 X 2.225	X 1	=	1.894
19	0.250 X 1.960	X 1	=	0.490
20	1.750 X 2.760	X 1	=	1.680
21	1.200 X 2.010	X 1	=	2.412
22	2.610 X 2.650	X 1	=	5.567
23	2.585 X 2.500	X 1	=	7.213
24	5.810 X 3.770	X 1	=	21.150
25	2.885 X 2.500	X 1	=	7.213
26	2.610 X 2.650	X 1	=	5.567
27	0.800 X 0.800	X 1	=	0.480
28	0.900 X 0.750	X 1	=	0.675
29	0.900 X 1.200	X 1	=	1.080
30	2.725 X 1.375	X 1	=	3.748
31	5.180 X 1.872	X 1	=	16.704
32	1.150 X 2.650	X 1	=	3.048
33	1.150 X 2.650	X 1	=	3.048
34	3.200 X 3.375	X 3	=	16.200
35	2.000 X 3.375	X 3	=	20.250
36	5.810 X 3.923	X 1	=	7.043
37	2.610 X 2.650	X 1	=	4.121
38	1.610 X 2.650	X 1	=	4.268
39	1.760 X 1.800	X 1	=	3.168
40	0.750 X 1.800	X 1	=	1.350
42	3.770 X 2.725	X 2	=	36.947
43	3.410 X 2.725	X 1	=	9.412
44	0.800 X 1.700	X 1	=	1.360
45	1.960 X 1.800	X 1	=	3.528
46	2.450 X 1.400	X 1	=	3.553
47	3.150 X 1.400	X 1	=	3.353
48	3.950 X 1.700	X 1	=	5.715
49	3.200 X 1.200	X 1	=	3.840
50	1.190 X 3.200	X 1	=	3.808
51	39.650 X 14.125	X 1	=	560.056
L1	3.050 X 2.500	X 5	=	35.000
L2	2.500 X 3.350	X 1	=	8.500
L3	2.500 X 2.050	X 1	=	4.100
D1	1.200 X 1.100	X 1	=	1.320
D2	1.200 X 1.350	X 1	=	1.620
D3	2.725 X 1.225	X 1	=	3.339
D4	2.725 X 1.175	X 1	=	3.196
D5	0.800 X 1.700	X 10	=	16.320
D6	3.620 X 1.800	X 8	=	39.096
D7	2.725 X 1.200	X 6	=	39.794
D8	0.900 X 0.550	X 1	=	0.495
D9	0.900 X 2.999	X 1	=	2.700
D10	0.750 X 0.750	X 1	=	0.563
D11	0.750 X 1.350	X 1	=	1.013
TOTAL AREA				1098.865 SQ.M
TOTAL BUILT UP AREA CALCULATION OF REFUGE FLOOR (1951.269 - 1098.865)			=	852.40 SQ.M.
AS PER POLY LINE AREA			=	852.40 SQ.M.

BUILDING - 39
(BASEMENT 2 + BASEMENT 1 + GROUND + STILT (PODIUM TOP) +1ST TO 27TH FLOOR)

06 / 28

CONTENTS OF SHEET

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

STAMP OF APPROVAL OF PLAN

PLANS APPROVED (28 NOS OF DRAWINGS) WHICH ARE TO BE READ ALONG WITH BUILDING PERMISSION & COMMENCEMENT CERTIFICATE/AMENDED BUILDING PERMISSION & COMMENCEMENT CERTIFICATE BEARING NO. 2501/A-south coome/pms/BP/mp - use/dbarawali/mgdevmail/sltem/1101 - 2021/1080 dated 29/11/2021

DATE : 29/11/2021

AND THE CONDITIONS MENTIONED THEREIN ARE HEREBY

Shrikrishna Dhondiba Kanase
Executive Engineer
Dombivli-Badlapur-Ulhasnagar Development Authority

MMRDA
MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY

SCHEDULE OF DOOR & WINDOW

SR.NO.	TYPE DOOR & WINDOW	OPENING SIZE	DESCRIPTION
1	D	1.20 X 2.25	SINGLE SHUTTER FIRE RATED FLUSH DOOR
2	D1	1.05 x 2.25	SINGLE SHUTTER FIRE RATED FLUSH DOOR
3	D2	0.92 X 2.25	SINGLE SHUTTER FLUSH DOOR
4	D3	0.75 x 2.25	SINGLE SHUTTER FLUSH DOOR
5	D4	2.65 x 2.25	DOUBLE SHUTTER FLUSH DOOR
6	W	1.50x1.30	3 PANEL SLIDING ALLUMINIUM WINDOW
7	W1	1.00 x 1.30	3 PANEL SLIDING ALLUMINIUM WINDOW
8	W2	1.81 x1.30	2 PANEL SLIDING ALLUMINIUM WINDOW
9	W3	0.90 x 1.30	2 PANEL SLIDING ALLUMINIUM WINDOW
9	W4	1.45 x 1.30	1 PANEL SLIDING ALLUMINIUM WINDOW
10	W5	1.20 x 1.30	1 PANEL SLIDING ALLUMINIUM WINDOW
11	W6	1.75 x 1.30	1 PANEL SLIDING ALLUMINIUM WINDOW
12	W7	2.35 x 1.30	1 PANEL SLIDING ALLUMINIUM WINDOW
19	V	0.80 X 1.05	LOUVERED VENTILATOR

DESCRIPTION OF PROPOSAL

PROPOSED INTEGRATED TOWNSHIP PROJECT ON PLOT BEARING VILLAGE - GHARIVALI BEARING S. NO. 4/1, 4/2, 4/3, 4/4, 4/5, 4/6, 4/9, 4/10, 4/11, 5/1, 5/2, 5/3, 5/4, 5/5, 5/6, 5/7, 6/1, 6/2, 6/3, 7/1, 7/2A, 7/2B, 7/2C, 7/3/A, 7/3/B, 8/1, 8/2, 8/3, 8/4, 8/5, 8/6, 8/7, 8/8, 8/9, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7, 9/8, 10, 11, 12/1, 12/2, 12/3, 13/4, 12/5, 12/6, 12/7, 12/8, 13/9, 13/10, 13/11, 13/12, 13/13, 13/14, 13, 14/1, 14/3A, 14/2B, 14/3, 14/4, 14/5, 15, 17/1, 17/2, 17/3, 17/4, 17/5, 17/6, 17/7, 17/8, 17/9, 17/10, 17/11,18,19, 22, 23/1, 23/2, 23/3, 23/1b, 37/1,37/2B, 37/2C, 37/2D, 37/3, 37/4, 37/2/1,39/1, 39/2, 39/3, 39/4, 40, 41/1A, 41/1B, 41/5, 41/3, 41/4, 44/1, 44/4,44/5A, 44/5B, 44/6A, 44/6B, 44/7, 44/8, 44/9, 44/10, 44/11, 44/12, 49/1, 45/2, 45/3, 45/4, 45/5A, 45/5B, 45/6, 49/1, 46/2A, 46/2B, 46/3,47, 49, 50, 51, 52/1, 52/2, 53/1A, 53/1B, 53/1A, 53/2, 53/3/A, 53/3/B, 54 DIST- THANE FOR SITE 4 (115 ACRE LAND) FOR M/S RUNWAL RESIDENCY PVT. LTD.

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

DIRECTOR ,
M/S. RUNWAL RESIDENCY PVT. LTD.
RUNWAL & GANAR ESQUIRE,
5TH FLOOR, OPP.SION CHUNABHATTI SIGNAL,
SION (EAST) MUMBAI - 400022.

SIGNATURE OF OWNER/ P.O.A.H.

SIGNATURE OF ARCHITECT

ARCHITECTS

sakkar ARCHITECTS
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NEAR TMC, ALMEIDA ROAD,
PANCHPAKHADI, THANE (W). 400 602
PHONE - 2537 6701,TELEFAX - 2536 4700
E MAIL - sakkararchitects@yahoo.co.in

DRG.NO.	SCALE	DATE	DRN BY	CHKD BY
C-72920210016/05	1 : 100	25/05/2021	MANALI	

COPYRIGHT reserved to M/s.Sakkar Architects. Drawing Title : Refuge Floor Plan, Area Diagram & Area Calculations, Summary, Etc. Project Name : Proposed Integrated Township Project On Plot Bearing S. No. 4/1, 4/2, 4/3, 4/4, 4/5, 4/6, 4/9, 4/10, 4/11, 5/1, 5/2, 5/3, 5/4, 5/5, 5/6, 6/1, 6/2, 6/3, 7/1, 7/2A, 7/2B, 7/2C, 7/3/A, 7/3/B, 8/1, 8/2, 8/3, 8/4, 8/5, 8/6, 8/7, 8/8, 8/9, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7, 9/8, 10, 11, 12/1, 12/2, 12/3, 13/4, 12/5, 12/6, 12/7, 12/8, 13/9, 13/10, 13/11, 13/12, 13/13, 13/14, 13, 14/1, 14/3A, 14/2B, 14/3, 14/4, 14/5, 15, 17/1, 17/2, 17/3, 17/4, 17/5, 17/6, 17/7, 17/8, 17/9, 17/10, 17/11,18,19, 22, 23/1, 23/2, 23/3, 23/1b, 37/1,37/2B, 37/2C, 37/2D, 37/3, 37/4, 37/2/1,39/1, 39/2, 39/3, 39/4, 40, 41/1A, 41/1B, 41/5, 41/3, 41/4, 44/1, 44/4,44/5A, 44/5B, 44/6A, 44/6B, 44/7, 44/8, 44/9, 44/10, 44/11, 44/12, 49/1, 45/2, 45/3, 45/4, 45/5A, 45/5B, 45/6, 49/1, 46/2A, 46/2B, 46/3,47, 49, 50, 51, 52/1, 52/2, 53/1A, 53/1B, 53/1A, 53/2, 53/3/A, 53/3/B, 54 DIST- THANE FOR SITE 4 (115 ACRE LAND) FOR M/S RUNWAL RESIDENCY PVT. LTD. Drg No.02 - As per USOPP2. Phase 3 - Building No. 39.dwg