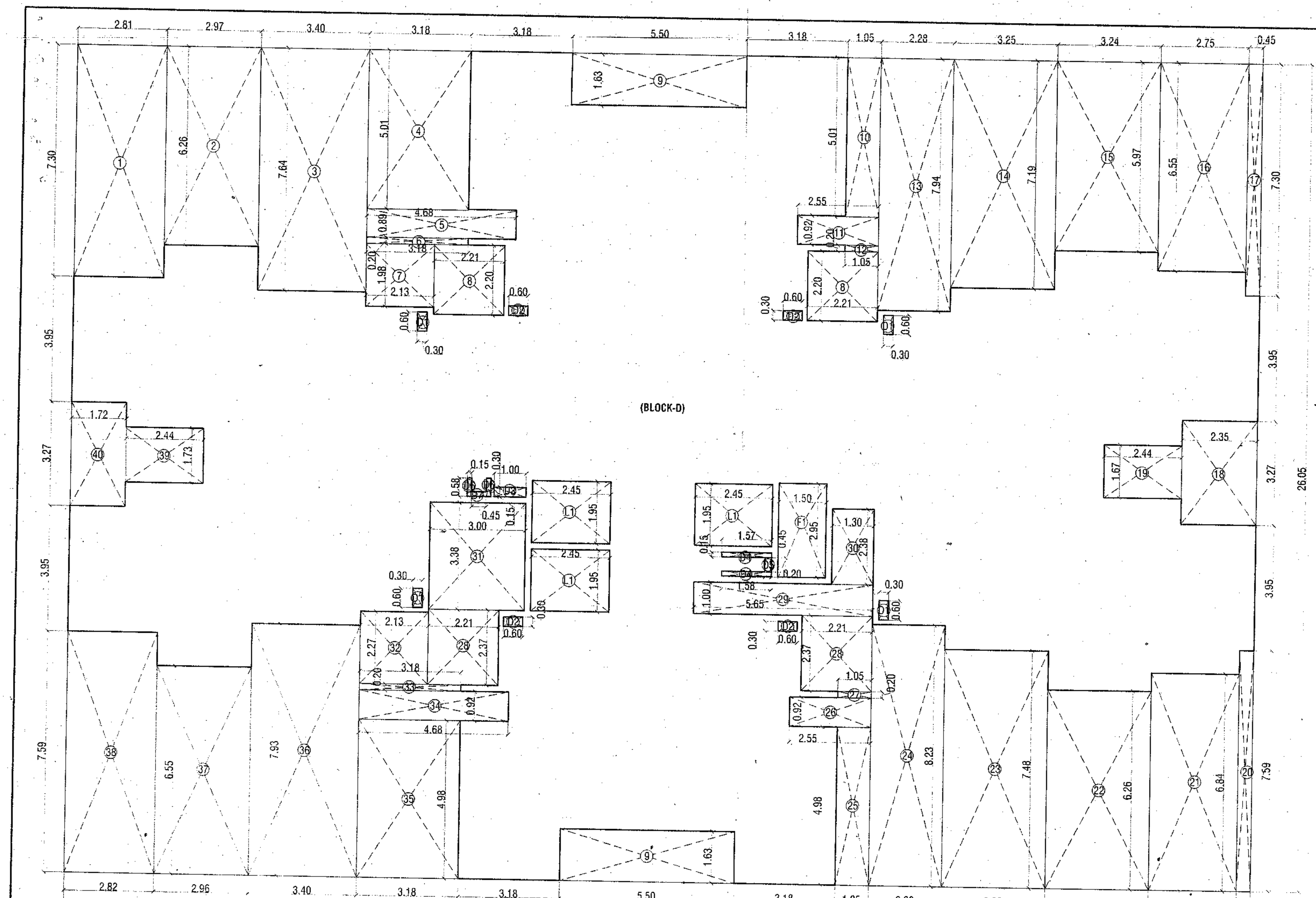
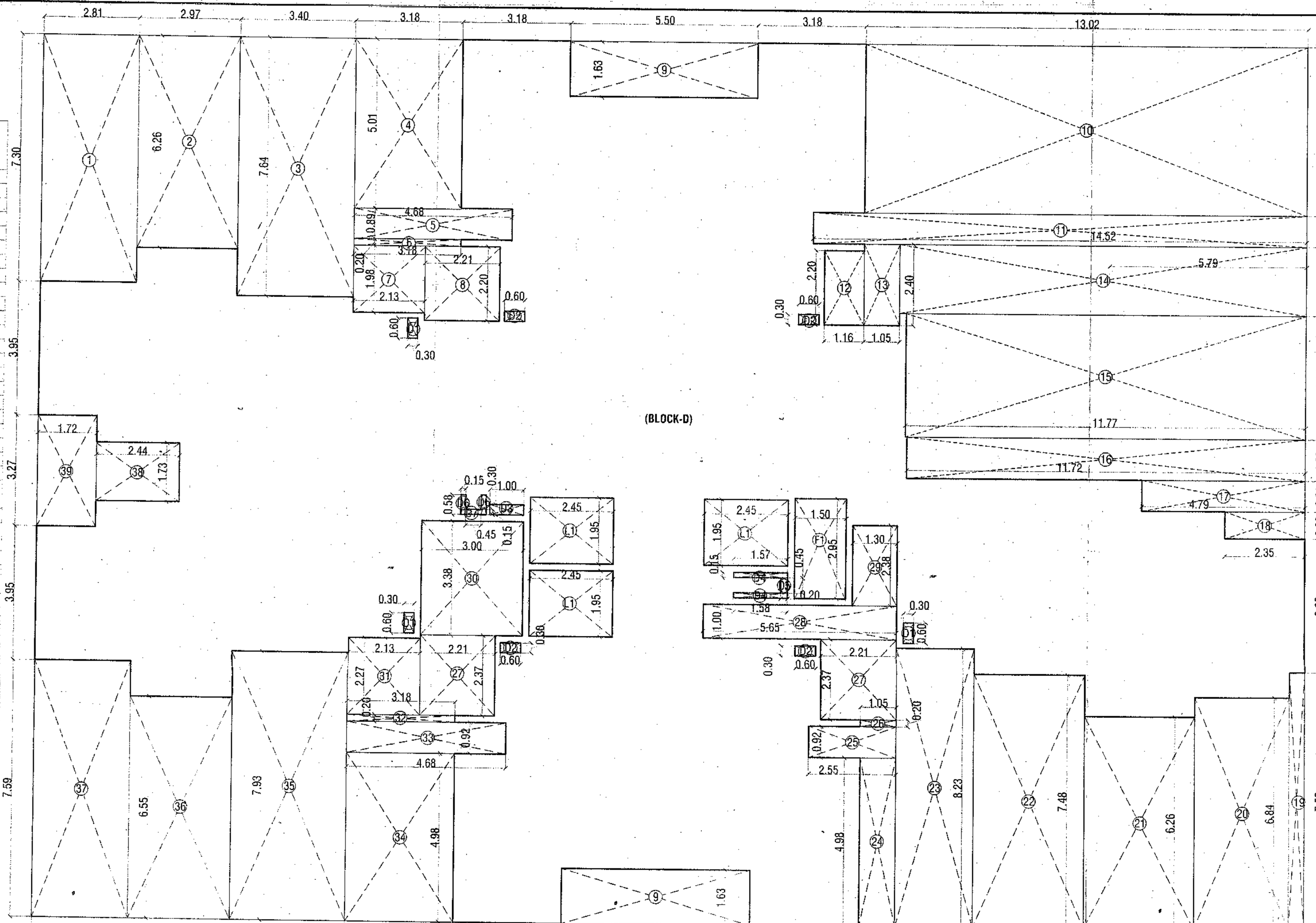


AREA LINE DIG. OF TYPICAL FLOOR (1ST TO 5TH, 7TH TO 10TH, 12TH TO 16TH,18TH TO 22ND, 24TH & 25TH FLOOR)
SCALE 1:100

BUILT UP AREA CALCULATION OF TYPICAL 1ST TO 5TH,7TH TO 10TH & 12TH TO 16TH,18TH TO 22ND, 24TH & 25TH FLOOR PLAN

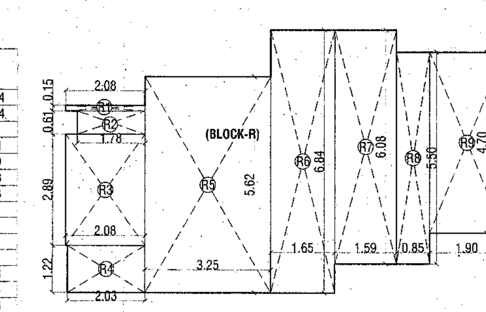
A	37.23	X	26.05			=	969.84
			TOTAL				969.84
DEDUCTION							
1	2.81	X	7.30			=	20.51
2	2.97	X	6.26			=	18.59
3	3.40	X	7.64			=	25.98
4	3.18	X	5.01			=	15.93
5	4.68	X	0.89			=	4.17
6	3.18	X	0.20			=	0.64
7	2.13	X	1.98			=	4.22
8	2.21	X	2.20	X	2	=	9.72
9	5.50	X	1.63	X	2	=	17.93
10	1.05	X	5.01			=	5.26
11	2.55	X	0.92			=	2.35
12	1.05	X	0.20			=	0.21
13	2.28	X	7.94			=	18.10
14	3.25	X	7.19			=	23.37
15	3.24	X	5.97			=	19.34
16	2.75	X	6.55			=	18.01
17	0.45	X	7.30			=	3.29
18	2.35	X	3.27			=	7.68
19	2.44	X	1.67			=	4.07
20	0.45	X	7.59			=	3.42
21	2.75	X	6.84			=	18.81
22	3.24	X	6.26			=	20.28
23	3.25	X	7.48			=	24.31
24	2.28	X	8.23			=	18.76
25	1.05	X	4.98			=	5.23
26	2.55	X	0.92			=	2.35
27	1.05	X	0.20			=	0.21
28	2.21	X	2.37	X	2	=	10.48
29	5.65	X	1.00			=	5.65
30	1.30	X	2.38			=	3.09
31	3.00	X	3.38			=	10.14
32	2.13	X	2.27			=	4.84
33	3.18	X	0.20			=	0.64
34	4.68	X	0.92			=	4.31
35	3.18	X	4.98			=	15.84
36	3.40	X	7.93			=	26.96
37	2.96	X	6.55			=	19.39
38	2.82	X	7.59			=	21.40
39	2.44	X	1.73			=	4.22
40	1.72	X	3.27			=	5.62
			TOTAL DEDUCTION - (a)				445.31
DUCT AREA CALCULATION							
D1	0.30	X	0.60	X	4	=	0.72
D2	0.30	X	0.60	X	4	=	0.72
D3	1.00	X	0.30	X		=	0.30
D4	1.57	X	0.15	X	2	=	0.47
D5	0.20	X	0.45	X		=	0.09
D6	0.15	X	0.58	X	2	=	0.17
D7	0.15	X	0.45	X		=	0.07
L1	2.45	X	1.95	X	3	=	14.33
F1	1.50	X	2.95			=	4.43
			TOTAL LIFT AREA - (c)				21.30
			TOTAL (a+b+c)				466.61
TOTAL BUILT UP ARE CALCULATION OF TYPICAL FLOOR PLAN (969.84-466.61)							503.23
B/UP AREA AS PER POLYLINE							503.51



AREA LINE DIG. OF 6TH, 11TH, 17TH, 23RD (REFUGE) FLOOR
SCALE 1:100

BUILT UP AREA CALCULATION OF 6TH , 11TH,17TH,23RD(REFUGE) FLOOR PLAN

A	37.23	X	26.05			=	969.84
			TOTAL				969.84
DEDUCTION							
1	2.81	X	7.30			=	20.51
2	2.97	X	6.26			=	18.59
3	3.40	X	7.64			=	25.98
4	3.18	X	5.01			=	15.93
5	4.68	X	0.89			=	4.17
6	3.18	X	0.20			=	0.64
7	2.13	X	1.98			=	4.22
8	2.21	X	2.20			=	4.86
9	5.50	X	1.63	X	2	=	17.93
10	13.02	X	4.98			=	64.84
11	14.52	X	0.92			=	13.36
12	1.16	X	2.20			=	2.55
13	1.05	X	2.40			=	2.52
14	11.97	X	2.04			=	24.23
15	11.77	X	3.64			=	42.84
16	11.72	X	1.23			=	14.42
17	4.79	X	0.91			=	4.36
18	2.35	X	0.80			=	1.88
19	0.45	X	7.59			=	3.42
20	2.75	X	6.84			=	18.81
21	3.24	X	6.26			=	20.28
22	3.25	X	7.48			=	24.31
23	2.28	X	8.23			=	18.76
24	1.05	X	4.98			=	5.23
25	2.55	X	0.92			=	2.35
26	1.05	X	0.20			=	0.21
27	2.21	X	2.37	X	2	=	10.48
28	5.65	X	1.00			=	5.65
29	1.30	X	2.38			=	3.09
30	3.00	X	3.38			=	10.14
31	2.13	X	2.27			=	4.84
32	3.18	X	0.20			=	0.64
33	4.68	X	0.92			=	4.31
34	3.18	X	4.98			=	15.84
35	3.40	X	7.93			=	26.96
36	2.96	X	6.55			=	19.39
37	2.82	X	7.59			=	21.40
38	2.44	X	1.73			=	4.22
39	1.72	X	3.27			=	5.62
			TOTAL DEDUCTION - (a)				509.76
DUCT AREA CALCULATION							
D1	0.30	X	0.60	X	3	=	0.54
D2	0.30	X	0.60	X	4	=	0.72
D3	1.00	X	0.30	X		=	0.30
D4	1.57	X	0.15	X	2	=	0.47
D5	0.20	X	0.45	X		=	0.09
D6	0.15	X	0.58	X	2	=	0.17
D7	0.15	X	0.45	X		=	0.07
L1	2.45	X	1.95	X	3	=	14.33
F1	1.50	X	2.95			=	4.43
			TOTAL LIFT AREA - (c)				21.12
			TOTAL (a+b+c)				530.88
TOTAL BUILT UP AREA CALCULATION OF (REFUGE) FLOOR PLAN (969.84-530.88)							439.09
B/UP AREA AS PER POLYLINE							439.02



6TH, 11TH, 17TH, 23RD (REFUGE) FLOOR AREA LINE DIAGRAM
SCALE 1:100

REFUGE AREA CALCULATION OF 6,11TH, 17TH,23RD FLOOR : BLOCK - R

R1.	2.08	X	0.15	=	0.31
R2.	1.78	X	0.61	=	1.09
R3.	2.08	X	2.89	=	6.01
R4.	2.03	X	1.22	=	2.48
R5.	3.25	X	5.62	=	18.27
R6.	1.65	X	6.84	=	11.29
R7.	1.59	X	6.08	=	9.67
R8.	0.85	X	5.50	=	4.68
R9.	1.90	X	4.70	=	8.93
R10.	0.45	X	3.95	=	1.78
TOTAL				=	64.51

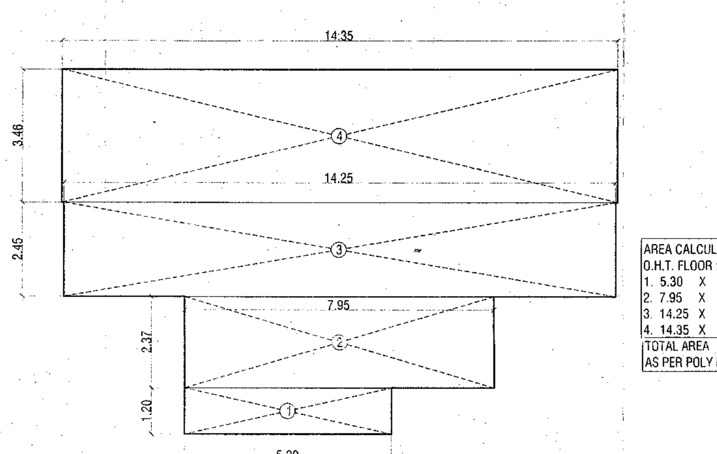
AS PER POLY LINE AREA = 64.49 SQ.M.

REFUGE AREA REQUIRED ON 6TH FLOOR :	
FLOOR	B.UP. AREA
6TH (REFUGE)	439.02
7TH	503.51
TOTAL	942.53 SQ.M.
942.53 / 12.50 = 75.40 PERSONS	
PER PERSON 0.30 SQ.M.	
75.40 X 0.30 SQ.MT.= 22.62 SQ.M.	
REQUIRED REFUGE AREA = 22.62 SQ.M.	
PROPOSED REFUGE AREA = 64.49 SQ.M.	
PERMISSIBLE 100% EXCESS REFUGE = 22.62 X 2 =45.24 SQ.M.	
EXCESS REFUGE AREA = 19.25 SQ.M.	

REFUGE AREA REQUIRED ON 11TH FLOOR :	
FLOOR	B.UP. AREA
11TH (REFUGE)	439.02
12TH	503.51
TOTAL	942.53 SQ.M.
942.53 / 12.50 = 75.40 PERSONS	
PER PERSON 0.30 SQ.M.	
75.40 X 0.30 SQ.MT.= 22.62 SQ.M.	
REQUIRED REFUGE AREA = 22.62 SQ.M.	
PROPOSED REFUGE AREA = 64.49 SQ.M.	
PERMISSIBLE 100% EXCESS REFUGE = 22.62 X 2 =45.24 SQ.M.	
EXCESS REFUGE AREA = 19.25 SQ.M.	

REFUGE AREA REQUIRED ON 17TH FLOOR :	
FLOOR	B.UP. AREA
17TH (REFUGE)	439.02
18TH	503.51
TOTAL	942.53 SQ.M.
942.53 / 12.50 = 75.40 PERSONS	
PER PERSON 0.30 SQ.M.	
75.40 X 0.30 SQ.MT.= 22.62 SQ.M.	
REQUIRED REFUGE AREA = 22.62 SQ.M.	
PROPOSED REFUGE AREA = 64.49 SQ.M.	
PERMISSIBLE 100% EXCESS REFUGE = 22.62 X 2 =45.24 SQ.M.	
EXCESS REFUGE AREA = 19.25 SQ.M.	

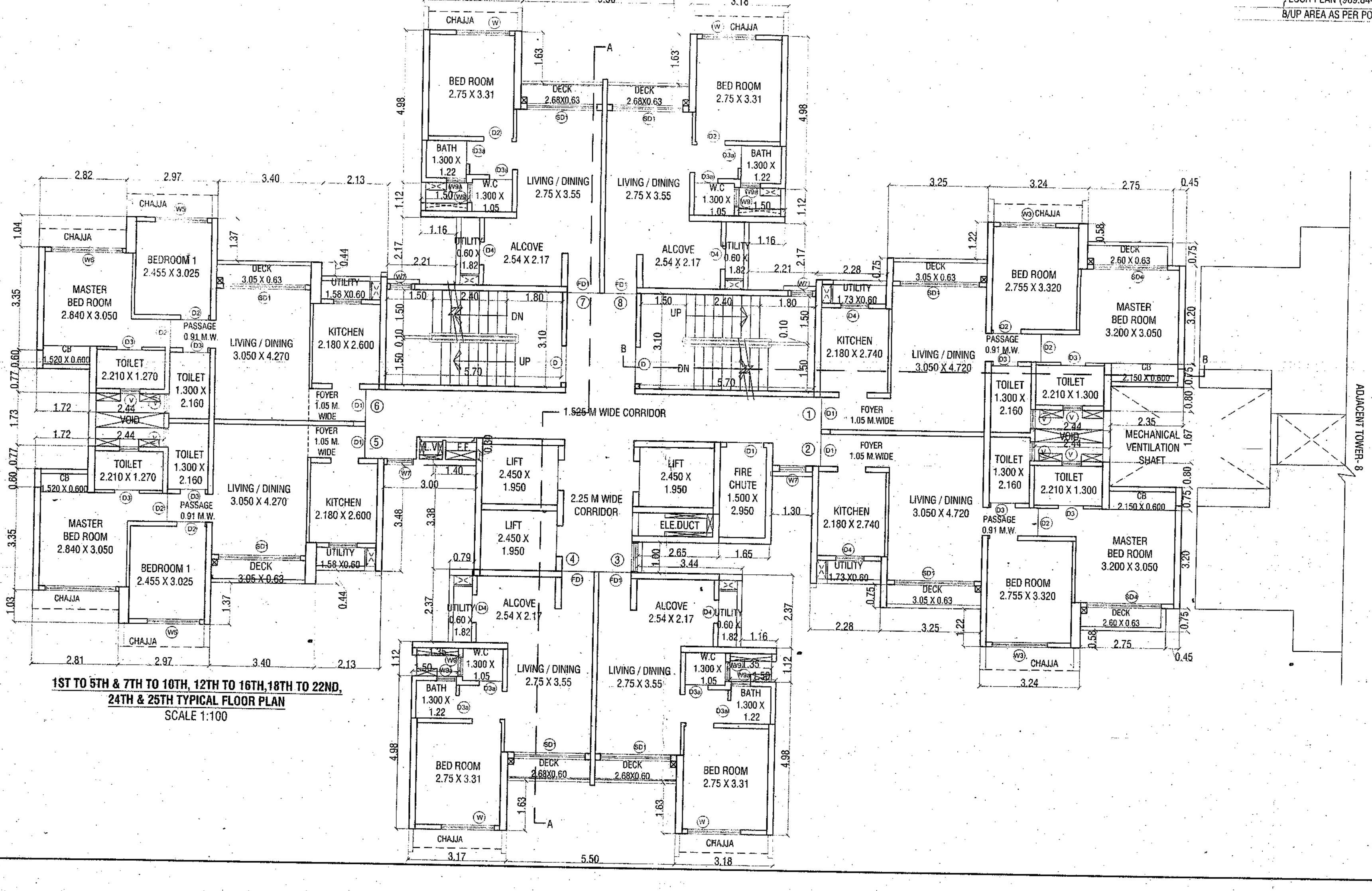
REFUGE AREA REQUIRED ON 23RD FLOOR :	
FLOOR	B.UP. AREA
23RD (REFUGE)	439.02
24TH	503.51
TOTAL	942.53 SQ.M.
942.53 / 12.50 = 75.40 PERSONS	
PER PERSON 0.30 SQ.M.	
75.40 X 0.30 SQ.MT.= 22.62 SQ.M.	
REQUIRED REFUGE AREA = 22.62 SQ.M.	
PROPOSED REFUGE AREA = 64.49 SQ.M.	
PERMISSIBLE 100% EXCESS REFUGE = 22.62 X 2 =45.24 SQ.M.	
EXCESS REFUGE AREA = 19.25 SQ.M.	



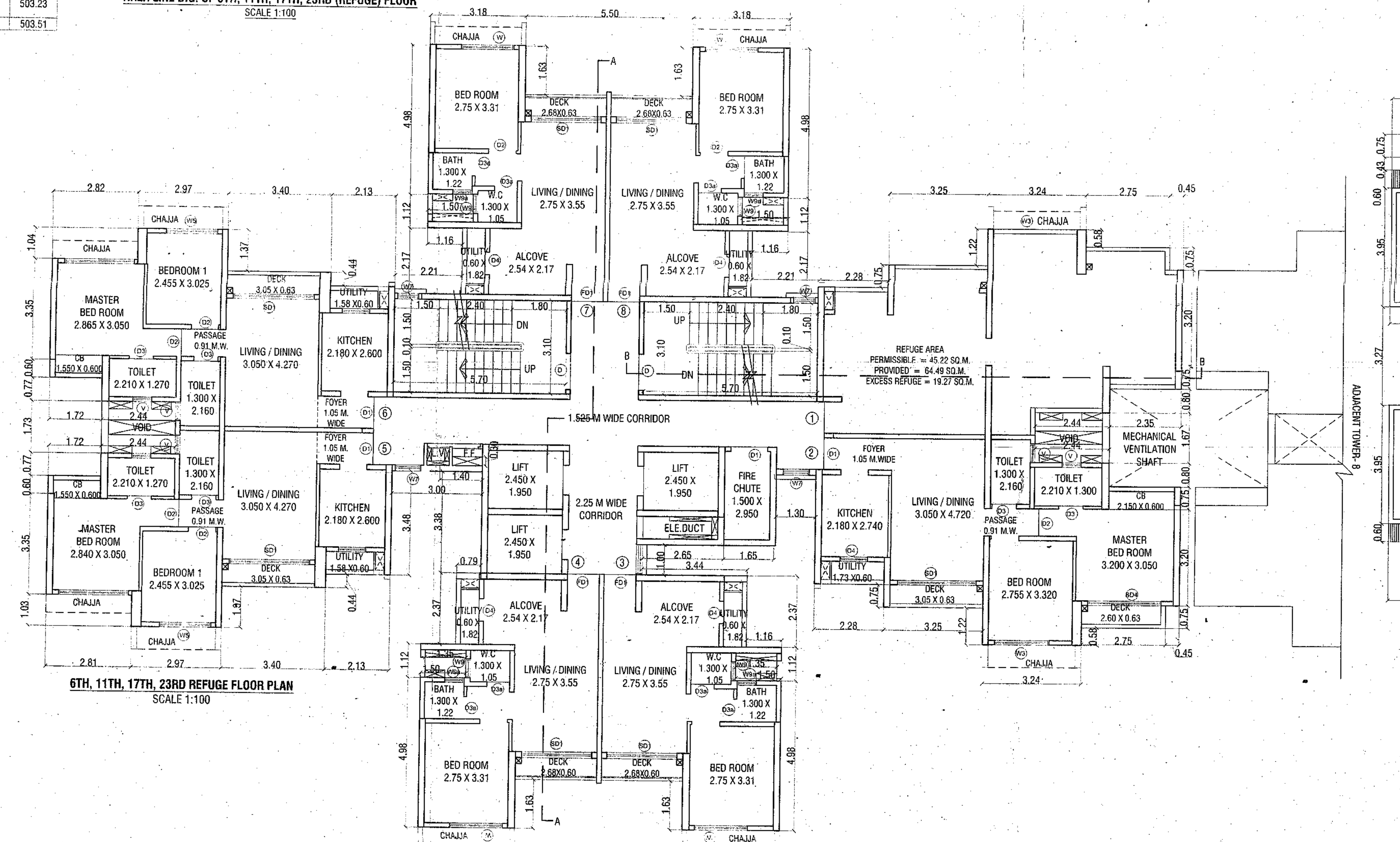
AREA LINE DIG. OF L.M.R. AND O.H.T FLOOR
SCALE 1:2100

AREA CALCULATION OF L.M.R. AND O.H.T. FLOOR :

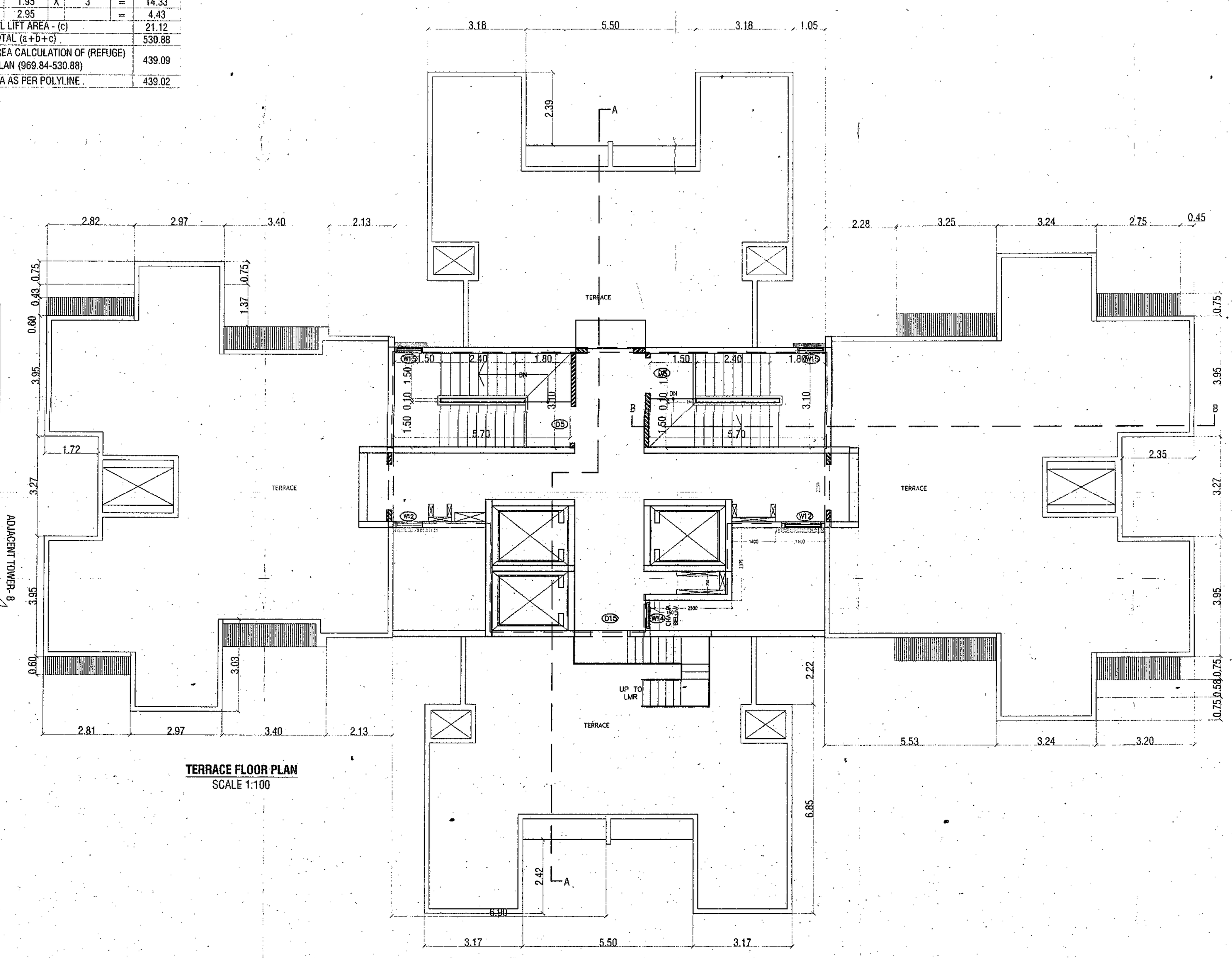
1.	5.30	X	1.20	=	6.36
2.	7.95	X	2.38	=	18.92
3.	14.25	X	2.45	=	34.91
4.	14.35	X	3.46	=	49.66
TOTAL AREA				=	109.85 SQ.M.
AS PER POLY LINE				=	109.80 SQ.M.



1ST TO 5TH & 7TH TO 10TH, 12TH TO 16TH,18TH TO 22ND, 24TH & 25TH TYPICAL FLOOR PLAN
SCALE 1:100



6TH, 11TH, 17TH, 23RD REFUGE FLOOR PLAN
SCALE 1:100



TERRACE FLOOR PLAN
SCALE 1:100

CLUSTER - 5 TOWER - 7

18/32

(LOWER GROUND /PODIUM PT + GROUND /PODIUM PT LVL+UPPER GROUND / PODIUM PT + STILT/LOBBY LVL.+1ST TO 25TH FLOOR)

CONTENTS OF SHEET

TYPICAL FLOOR PLAN, (REFUGE) FLOOR PLAN WITH AREA LINE DIAGRAM & CALCULATION, REFUGE AREA STATEMENT.

STAMP OF APPROVAL OF PLAN

PLANS APPROVED (32 NOS OF DRAWINGS) WHICH ARE TO BE READ ALONG WITH BUILDING PERMISSION & COMMENCEMENT CERTIFICATE/AMENDED BUILDING PERMISSION & COMMENCEMENT CERTIFICATE BEARING - NO. SRO/Growth Centre/2410/BP/ITP- Usarghar Gharivali-01/801-15/12/03/2021
DATE : 22/11/2021
AND THE CONDITIONS MENTIONED THEREIN.
Planner, (A/c) Sub-Regional Office, Thane MMRDA
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	0.90 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, 19/1,19/2,19/3,19/4,20/3,20/3,20/4,20/5,34/1,36 /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.

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

M/s. HORIZON PROJECTS PVT. LTD.
Sajay Daga
Authorised Signatory

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

ARCHITECTS

Saakaar
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-669/2021/A-M/18	1 : 100	18-01-2021	TUSHAR/SAGAR	

\\SERVER\Saakaar12\Cad Drawings\RUNWAL USARGHAR - MY CITY\2. MUNICIPAL\26. Cluster -4- 9- UDCPR- AS SUBMITTED\7. Cluster 5 - TOWER 7.dwg