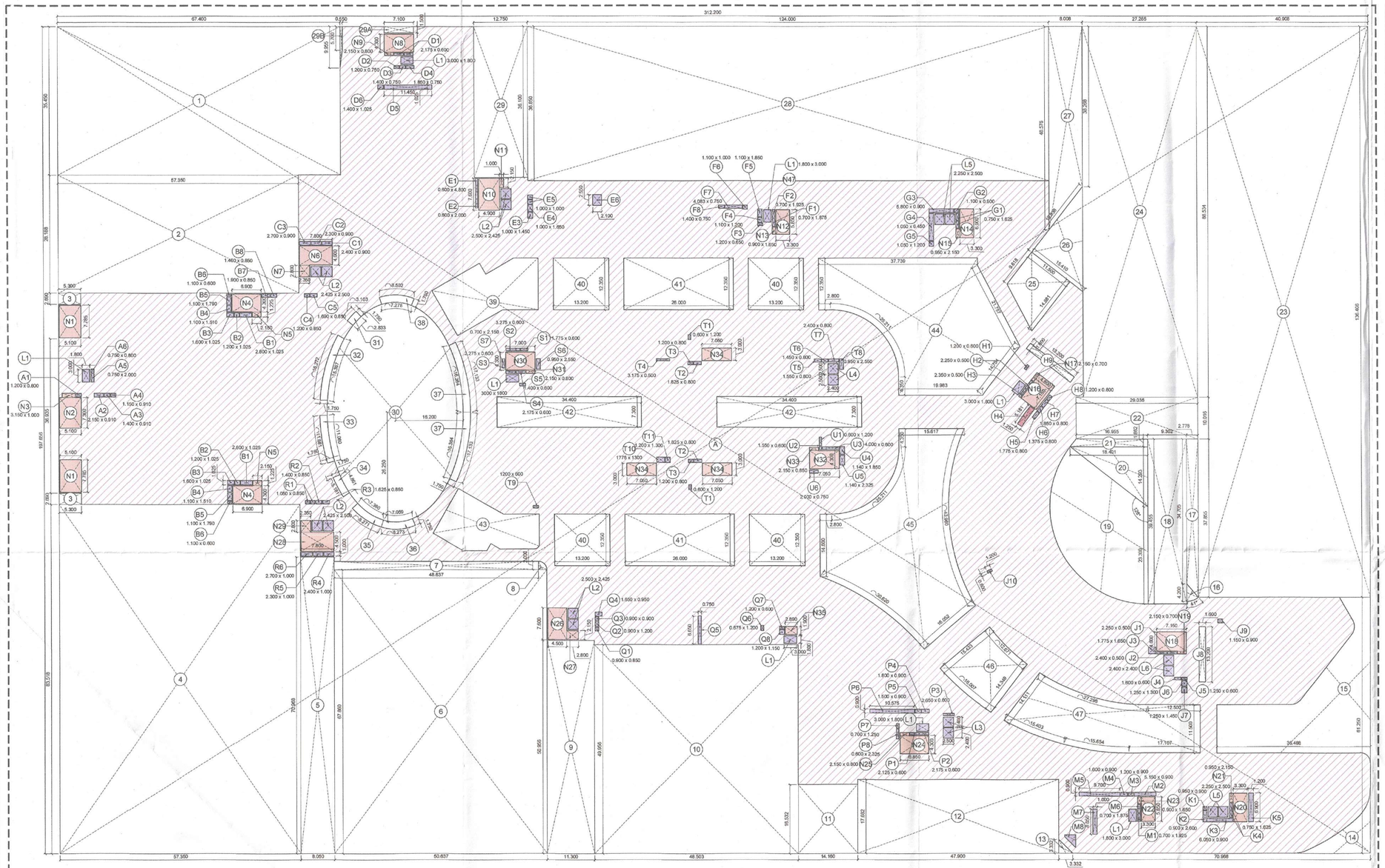


FIRST FLOOR- BUILT-UP & FAR AREA
SCALE: 1:400

ENVELOPE ADDITION (A)						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	312.200	197.656		1	61708.203
TOTAL (A)						61708.203

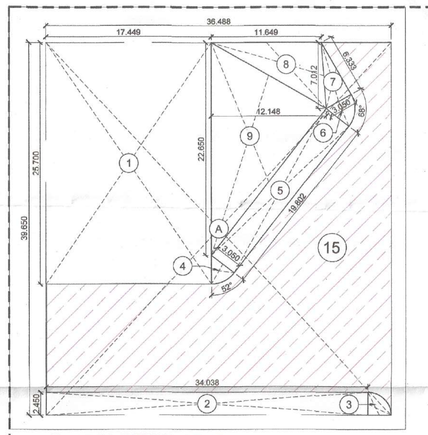
ENVELOPE SUBTRACTION (B)						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS/ VALUE	NOS	AREA (Sq.Mt.)
1	REC	67.400	35.450		1	2389.330
2	REC	57.350	28.188		1	1616.582
3	REC	5.300	2.690		2	28.514
4	REC	57.350	83.518		1	4789.757
5	REC	8.050	70.968		1	571.292
6	REC	50.637	67.860		1	3436.227
7	REC	48.637	2.000		1	97.274
8	QUADRANT			2.000	1	3.141
9	REC	11.300	50.956		1	575.803
10	REC	48.503	49.956		1	2423.016
11	REC	14.160	16.532		1	234.093
12	REC	47.900	17.682		1	846.968
13	TRIANGLE	3.332		3.332	1	5.551
14	AS/DETAIL			85.334	1	85.334
15	AS/DETAIL			651.992	1	651.992
16	SECTOR			4.200	1	6.310
17	TRAPEZIUM	37.855	34.705	2.778	1	100.786
18	REC	9.302	39.455		1	367.010
19	SECTOR			23.300	1	606.300
20	TRIANGLE	18.401		14.293	1	131.503
21	TRAPEZIUM	18.401	16.955	1.862	1	32.916
22	REC	29.035	10.016		1	290.815
23	REC	40.908	136.406		1	5580.097
24	REC	27.285	88.534		1	2415.650
25	TRAPEZIUM	14.881	9.618	11.500	1	140.869
26	TRIANGLE	15.410		19.836	1	152.836
27	TRAPEZIUM	48.576	38.268	8.008	1	347.723
28	REC	124.000	36.850		1	4569.400
29	REC	12.750	36.100		1	460.275
29A	REC	7.100	1.500		1	10.650
29B	TRAPEZIUM	9.955	5.700	0.550	1	4.305
30	ELLIPSE	16.200	26.250		1	1335.710
31	TRAPEZIUM	3.103	2.833	1.750	1	5.194
32	TRAPEZIUM	16.272	15.387	1.750	1	27.702
33	TRAPEZIUM	11.581	11.060	1.750	1	19.811
34	TRAPEZIUM	5.181	4.861	1.750	1	8.787
35	TRAPEZIUM	8.217	7.360	1.750	1	13.630
36	TRAPEZIUM	8.273	7.059	1.750	1	13.416
37	TRAPEZIUM	17.133	16.364	1.750	2	58.620
38	TRAPEZIUM	8.502	7.278	1.750	1	13.808
39	AS/DETAIL			283.421	1	283.421
40	REC	13.200	12.350		4	652.080
41	REC	26.000	12.350		2	642.200
42	REC	34.400	7.300		2	502.240
43	AS/DETAIL			236.154	1	236.154
44	AS/DETAIL			1068.632	1	1068.632
45	AS/DETAIL			1106.185	1	1106.185
46	AS/DETAIL			213.430	1	213.430
47	AS/DETAIL			543.727	1	543.727
TOTAL (B)						39717.065

FIRST FLOOR CALCULATION	
FIRST BUILTUP AREA	A - (B+C)
	21539.464
FIRST FLOOR NON FAR	D
	704.468
FIRST FLOOR FAR	BUILT UP - NON FAR
	21539.464 - 704.468
	20834.996

SERVICE CUTOUT (C)						
TYPE		WIDTH	LENGTH	VALUE	NOS	AREA (Sq.Mt.)
A1	REC	1.200	0.800		1	0.960
A2	REC	2.150	0.910		1	1.957
A3	REC	1.400	0.910		1	1.274
A4	REC	1.150	0.910		1	1.047
A5	REC	0.750	2.000		1	1.500
A6	REC	0.750	0.800		1	0.600
B1	REC	2.800	1.025		2	5.740
B2	REC	1.200	1.025		2	2.460
B3	REC	1.600	1.025		2	3.280
B4	REC	1.100	1.510		2	3.322
B5	REC	1.100	1.790		2	3.938
B6	REC	1.100	0.600		2	1.320
B7	REC	1.900	0.850		1	1.615
B8	REC	1.460	0.850		1	1.241
C1	REC	2.400	0.900		1	2.160
C2	REC	2.300	0.900		1	2.070
C3	REC	2.700	0.900		1	2.430
C4	REC	1.200	0.850		1	1.020
C5	REC	1.690	0.850		1	1.437
D1	REC	2.175	0.600		2	2.610
D2	REC	1.200	0.750		1	0.900
D3	REC	1.400	0.750		1	1.050
D4	REC	1.850	0.750		1	1.388
D5	REC	11.450	1.025		1	11.736
D6	REC	1.400	1.025		1	1.435
E1	REC	0.600	4.800		1	2.880
E2	REC	0.600	2.000		1	1.200
E3	REC	1.000	1.450		1	1.450
E4	REC	1.000	1.650		1	1.650
E5	REC	1.000	1.000		2	2.000
E6	REC	2.100	2.550		1	5.355
F1	REC	0.700	1.875		1	1.313
F2	REC	0.700	1.925		1	1.348
F3	REC	1.200	0.650		1	0.780
F4	REC	1.100	1.200		1	1.320
F5	REC	1.100	1.850		1	2.035
F6	REC	1.100	1.000		1	1.100
F7	REC	4.083	0.750		1	3.062
F8	REC	1.400	0.750		1	1.050
G1	REC	0.750	1.625		2	2.438
G2	REC	1.100	0.900		1	0.990
G3	REC	5.800	0.900		1	5.220
G4	REC	1.050	6.450		1	6.773
G5	REC	1.050	1.200		1	1.260
H1	REC	1.200	0.600		1	0.720
H2	REC	2.250	0.500		1	1.125
H3	REC	2.350	0.500		1	1.175
H4	REC	1.250	5.181		1	6.476
H5	REC	1.775	0.800		1	1.420
H6	REC	1.375	0.800		1	1.100
H7	REC	1.850	0.800		1	1.480
H8	REC	1.200	0.800		1	0.960
H9	REC	13.200	1.600		1	21.120
J1	REC	2.250	0.500		1	1.125
J2	REC	2.400	0.500		1	1.200
J3	REC	1.775	1.650		1	2.929
J4	REC	1.600	0.600		1	0.960
J5	REC	1.250	0.600		1	0.750
J6	REC	1.250	1.300		1	1.625
J7	REC	1.250	1.450		1	1.813
J8	REC	1.600	13.200		1	21.120
J9	REC	1.150	0.900		1	1.035
J10	REC	1.200	0.600		1	0.720
K1	REC	0.950	0.900		1	0.855
K2	REC	0.900	2.600		1	2.340
K3	REC	6.050	0.900		1	5.445
K4	REC	0.750	1.625		2	2.438
K5	REC	1.200	6.900		1	8.280
L1	REC	3.000	1.800		8	43.200
L2	REC	2.425	2.500		8	48.500
L3	REC	2.500	2.400		2	12.000
L4	REC	2.400	2.500		2	12.000
L5	REC	2.250	2.500		4	22.500
L6	REC	2.400	2.400		2	11.520
M1	REC	0.700	1.925		1	1.348
M2	REC	5.150	0.900		1	4.635
M3	REC	1.200	0.900		1	1.080
M4	REC	1.600	0.900		1	1.440
M5	REC	9.700	0.900		1	8.730
M6	REC	0.700	1.875		1	1.313
M7	REC	1.000	6.050		1	6.050
M8	AS/DETAIL			4.661	1	4.661
P1	REC	2.125	0.600		1	1.275
P2	REC	2.175	0.600		1	1.305
P3	REC	2.650	0.600		1	1.590
P4	REC	1.800	0.900		1	1.620
P5	REC	1.500	0.900		1	1.350
P6	REC	10.575	0.900		1	9.518
P7	REC	0.700	1.250		1	0.875
P8	REC	0.600	2.325		1	1.395
Q1	REC	0.900	0.850		1	0.765
Q2	REC	0.900	1.200		1	1.080
Q3	REC	0.900	0.900		1	0.810
Q4	REC	1.650	0.950		1	1.568
Q5	REC	0.750	6.650		1	4.988
Q6	REC	0.675	1.200		1	0.810
Q7	REC	1.200	0.600		1	0.720
Q8	REC	1.200	1.150		1	1.380
R1	REC	1.050	0.850		2	1.785
R2	REC	1.400	0.850		1	1.190
R3	REC	1.625	0.850		1	1.381
R4	REC	2.400	1.000		1	2.400
R5	REC	2.300	1.000		1	2.300
R6	REC	2.700	1.000		1	2.700
S1	REC	1.775	0.600		1	1.065
S2	REC	3.275	0.600		1	1.965
S3	REC	2.275	0.600		1	1.365
S4	REC	2.175	0.600		1	1.305
S5	REC	1.400	0.600		1	0.840
S6	REC	0.950	2.550		1	2.423
S7	REC	0.700	2.150		1	1.505
T1	REC	0.600	1.200		2	1.440
T2	REC	1.825	0.800		2	2.920
T3	REC	1.200	0.800		2	1.920
T4	REC	3.175	0.500		1	1.588
T5	REC	1.550	0.800		1	1.240
T6	REC	1.450	0.800		1	1.160
T7	REC	2.400	0.800		1	1.920
T8	REC	0.950	2.550		1	2.423
T9	REC	1.200	0.600		1	0.720
T10	REC	1.775	1.300		1	2.308
T11	REC	1.200	1.300		1	1.560
U1	REC	0.600	1.200		1	0.720
U2	REC	1.550	0.600		1	0.930
U3	REC	4.000	0.600		1	2.400
U4	REC	1.140	1.850		1	2.109
U5	REC	1.140	2.325		1	2.651
U6	REC	2.000	0.750		1	1.500
TOTAL (C)						451.675

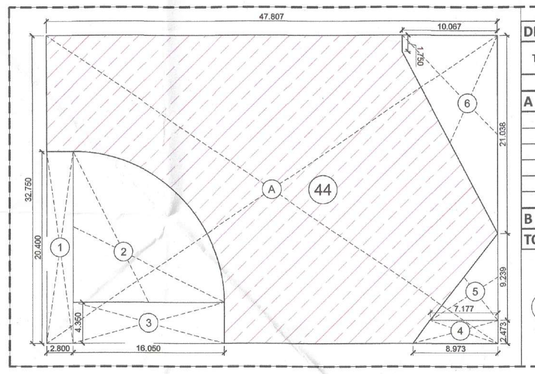
NON FAR (D)						
TYPE		WIDTH	LENGTH	VALUE	NOS	AREA (Sq.Mt.)
N1	REC	5.100	7.785		2	79.407
N2	REC	5.100	7.300		1	37.230
N3	REC	3.150	1.000		1	3.150
N4	REC	6.900	4.300		2	59.340
N5	REC	2.150	1.225		2	5.268
N6	REC	7.800	4.600		1	35.880
N7	REC	2.350	2.800		1	6.580
N8	REC	7.100	4.300		1	30.530
N9	REC	2.150	0.800		1	1.720
N10	REC	4.900	7.600		1	37.240
N11	REC	1.000	2.150		1	2.150
N12	REC	3.300	5.850		1	19.305
N13	REC	0.900	1.650		1	1.485
N14	REC	3.300	6.900		1	22.770
N15	REC	0.950	2.150		1	2.043
N16	REC	4.600	7.150		1	32.890
N17	REC	2.150	0.700		1	1.505
N18	REC	7.150	4.600		1	32.890
N19	REC	2.150	0.700		1	1.505
N20	REC	3.300	6.900		1	22.770
N21	REC	0.950	2.150		1	2.043
N22	REC	3.300	5.850		1	19.305
N23	REC	0.900	1.650		1	1.485
N24	REC	6.850	4.300		1	29.455
N25	REC	2.150	0.800		1	1.720
N26	REC	4.500	7.600		1	34.200
N27	REC	2.800	2.150		1	6.020
N28	REC	7.800	4.500		1	35.100
N29	REC	2.350	2.800		1	6.580
N30	REC	7.000	4.300		1	30.100
N31	REC	2.150	0.800		1	1.720
N32	REC	7.050	4.300		1	30.315
N33	REC	2.150	0.850		1	1.828
N34	REC	7.050	3.000		3	63.450
N35	REC	2.890	1.900		1	5.491
TOTAL (D)						704.468

FORMULAS FOR AREA CALCULATION	
SHAPE	FORMULA
RECTANGLE	LENGTH x WIDTH
TRAPEZIUM	(A + B) x H/2
TRIANGLE	B x H/2
ELLIPSE	πAB
SECTOR	(θ/360°) × πR2
QUADRANT	(π R2) / 4
SEGMENT	(1/2) × R2 (θ – Sin θ)



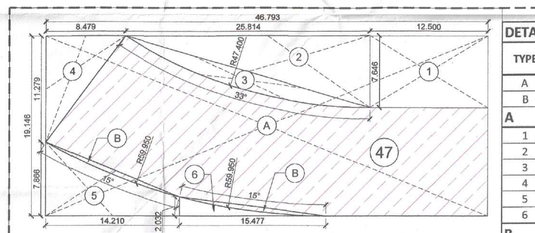
AREA DETAIL OF 15
SCALE:

DETAIL OF 15						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	36.488	39.650		1	1446.749
A						1446.749
1	REC	17.449	25.700		1	448.439
2	REC	34.038	2.450		1	83.393
3	QUADRANT			2.450	1	4.713
4	SECTOR			3.050	1	4.221
5	REC	19.802	3.050		1	60.396
6	SECTOR			3.050	1	5.519
7	TRIANGLE	3.050		6.333	1	9.658
8	TRIANGLE	11.649		7.012	1	40.841
9	TRIANGLE	22.650		12.148	1	137.576
B						794.757
TOTAL AREA OF 15 = (A - B)						651.992



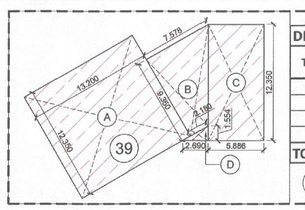
AREA DETAIL OF 44
SCALE:

DETAIL OF 44						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	47.807	32.750		1	1565.679
A						1565.679
1	REC	2.800	20.400		1	57.120
2	QUADRANT			16.050	1	202.282
3	REC	16.050	4.350		1	69.818
4	TRAPEZIUM	8.973	7.177	2.473	1	19.969
5	TRIANGLE	7.177		9.239	1	33.154
6	TRAPEZIUM	21.038	1.750	10.067	1	114.703
B						497.047
TOTAL AREA OF 44 = (A - B)						1068.632



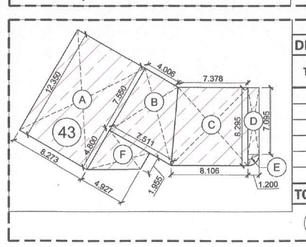
AREA DETAIL OF 47
SCALE:

DETAIL OF 47						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	46.793	19.146		1	895.899
B	SEGMENT			59.950	2	10.782
A						906.681
1	REC	12.500	7.646		1	95.575
2	TRIANGLE	25.814		7.646	1	98.687
3	SEGMENT			47.400	1	34.825
4	TRIANGLE	8.479		11.279	1	47.817
5	TRAPEZIUM	7.866	2.032	14.210	1	70.325
6	TRIANGLE	15.477		2.032	1	15.725
B						362.954
TOTAL AREA OF 47 = (A - B)						543.727



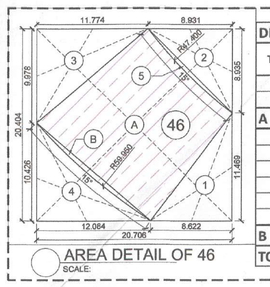
AREA DETAIL OF 39
SCALE:

DETAIL OF 39						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	13.200	12.350		1	163.020
B	TRAPEZIUM	7.578	2.180	9.350	1	45.619
C	REC	5.886	12.350		1	72.692
D	TRIANGLE	2.690		1.554	1	2.090
TOTAL AREA OF 39						283.421



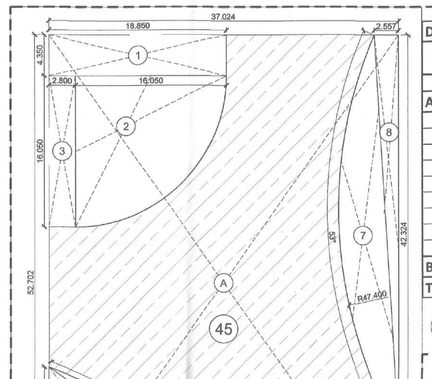
AREA DETAIL OF 43
SCALE:

DETAIL OF 43						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	8.273	12.350		1	102.172
B	TRAPEZIUM	7.511	4.006	7.550	1	43.477
C	TRAPEZIUM	8.106	7.378	8.295	1	64.220
D	REC	1.200	7.095		1	8.514
E	QUADRANT			1.200	1	1.131
F	TRAPEZIUM	4.800	1.955	4.927	1	16.641
TOTAL AREA OF 43						236.154



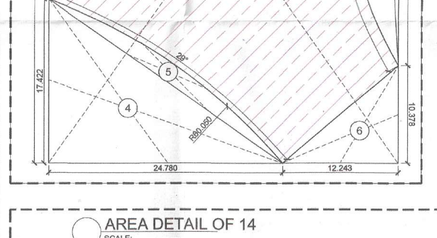
AREA DETAIL OF 46
SCALE:

DETAIL OF 46						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	20.706	20.404		1	422.485
B	SEGMENT			59.950	1	5.391
A						427.876
1	TRIANGLE	8.622		11.469	1	49.443
2	TRIANGLE	8.931		8.935	1	39.899
3	TRIANGLE	11.774		9.978	1	58.740
4	TRIANGLE	12.084		10.426	1	62.994
5	SEGMENT			47.400	1	3.370
B						214.447
TOTAL AREA OF 46 = (A - B)						213.430



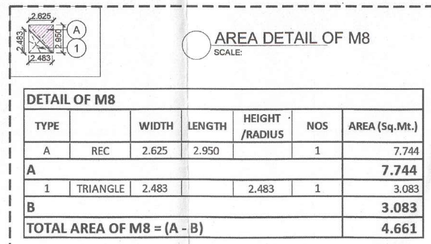
AREA DETAIL OF 45
SCALE:

DETAIL OF 45						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	37.024	52.702		1	1951.239
A						1951.239
1	REC	18.850	4.350		1	81.998
2	QUADRANT			16.050	1	202.282
3	REC	2.800	16.050		1	44.940
4	TRIANGLE	24.780		17.422	1	215.859
5	SEGMENT			60.050	1	39.666
6	TRIANGLE	12.243		10.378	1	63.529
7	SEGMENT			47.400	1	142.669
8	TRIANGLE	42.324		2.557	1	54.111
B						845.054
TOTAL AREA OF 45 = (A - B)						1106.185



AREA DETAIL OF 14
SCALE:

DETAIL OF 14						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	36.069	46.612		1	1681.248
A						1681.248
1	TRAPEZIUM	46.612	6.650	17.787	1	473.686
2	SECTOR			6.650	1	9.260
3	SECTOR			50.392	1	363.356
4	SECTOR			9.650	1	40.625
5	TRAPEZIUM	36.069	9.650	31.015	1	708.987
B						1595.914
TOTAL AREA OF 14 = (A - B)						85.334



AREA DETAIL OF M8
SCALE:

DETAIL OF M8						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	2.625	2.950		1	7.744
A						7.744
1	TRIANGLE	2.483		2.483	1	3.083
B						3.083
TOTAL AREA OF M8 = (A - B)						4.661

LEGEND
- FAR AREA
- NON FAR AREA
- SERVICE CUTOUT

NOTES:
1. ALL LIFTS SHALL HAVE 100%POWER BACKUP.
2. ALL ELECTRICAL INSTALLATIONS SHALL BE AS PER PROVISION OF NBC.
3. FIRE FIGHTING&SAFETY PROVISIONS WILL BE AS PER RELEVANT NBC PROVISIONS.
4. BUILDING STRUCTURE DESIGNED EARTHQUAKE RESISTANT.
5. MAIN ENTRY & BOUNDARY WALL AS PER STANDARD DESIGN.
6. TOILET WILL BE MECHANICALLY VENILATED WITH 100% POWER BACKUP.

PROJECT:
REVISED BUILDING PLAN OF COMMERCIAL COLONY MEASURING 10.4375 ACRES (LICENSE NO. 58 OF 2013 DATED 10.07.2013) IN SECTOR-88, GURUGRAM MAHESAR URBAN COMPLEX BEING DEVELOPED BY ADVANCE INDIA PROJECTS LIMITED

DDJAYs Member BPAC

OWNER SIGN

ARCHITECT SIGN

DRAWING TITLE:
FIRST FLOOR
FAR AND BUILT UP AREA CALCULATION

DATE:	SHEET NO	NORTH
SCALE:	2B	

This is a "PROVISIONAL BUILDING PLAN" approved only for the purpose of inviting objections from the general public

S.T.P (HQ) Interdistrict B.P.A.C | S.T.P (G) Member B.P.A.C | C.T.P (Hr.) Chairman B.P.A.C

AD PA ATP

Ram Avtar Bassi JD(HQ)