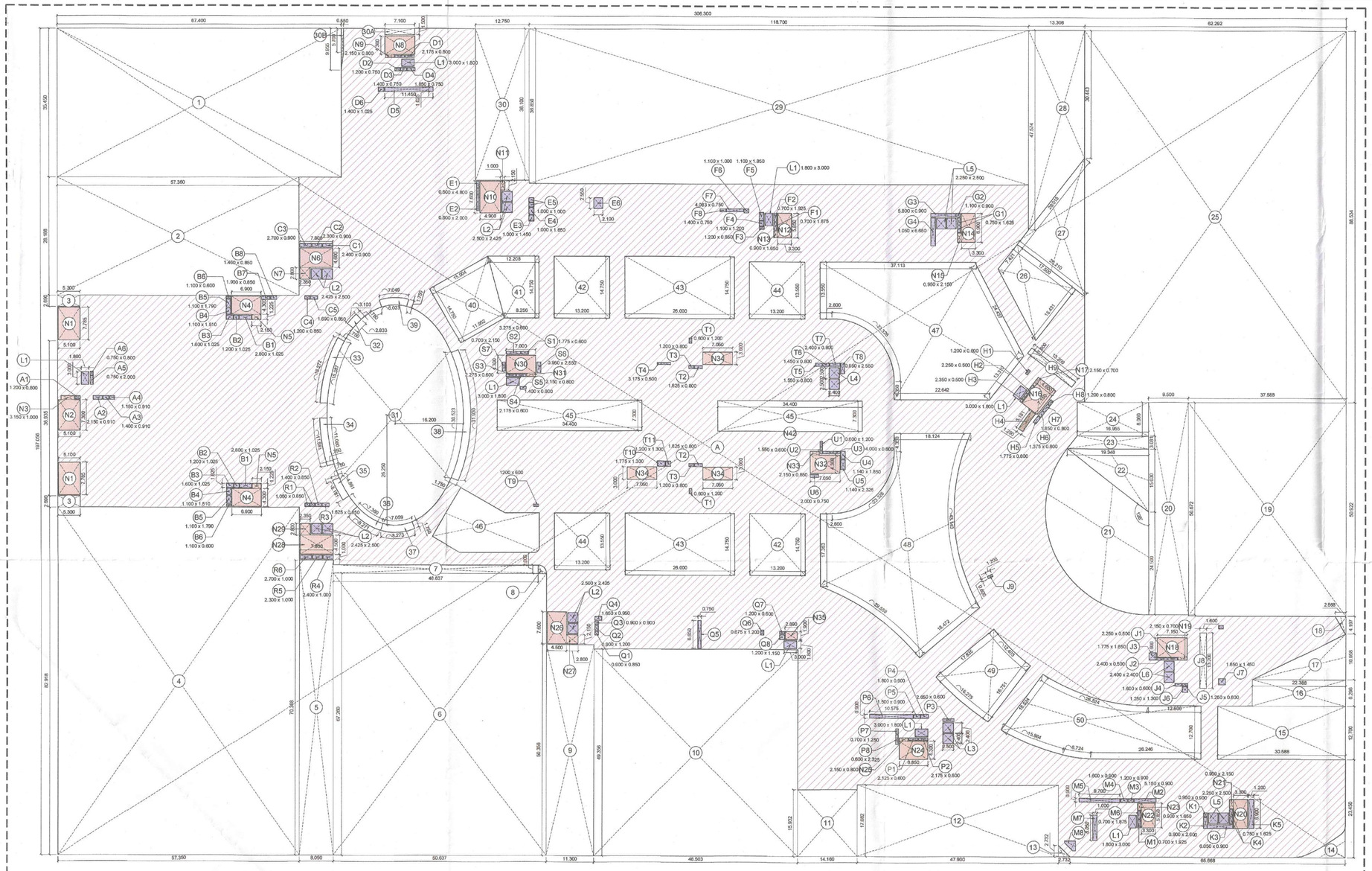
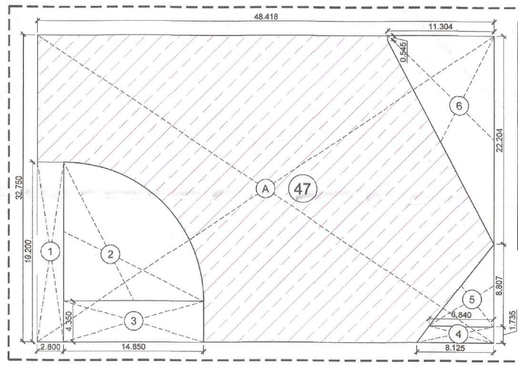
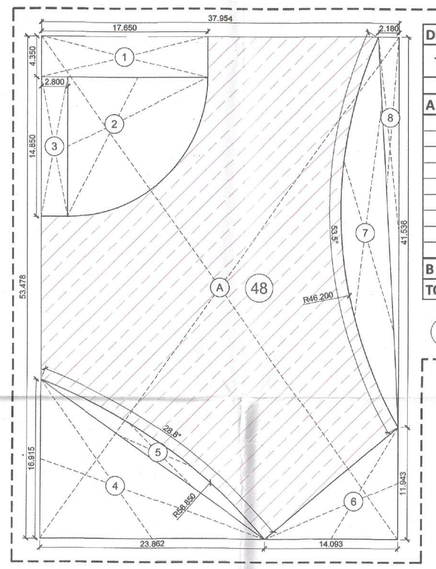


SECOND FLOOR- BUILT-UP & FAR AREA
SCALE:



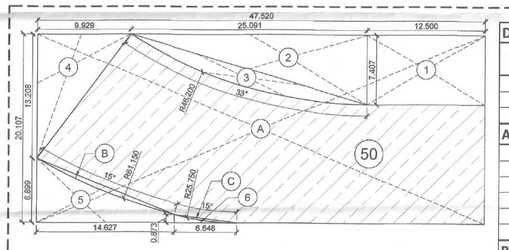
DETAIL OF 47						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	48.418	32.750		1	1585.690
A						**1585.690**
1	REC	2.800	19.200		1	53.760
2	QUADRANT			14.850	1	173.165
3	REC	14.850	4.350		1	64.598
4	TRAPEZIUM	8.125	6.840	1.735	1	12.982
5	TRIANGLE	6.840		8.807	1	30.120
6	TRAPEZIUM	22.204	0.545	11.304	1	128.577
B						**463.202**
TOTAL AREA OF 47 = (A - B)						**1122.487**

AREA DETAIL OF 47
SCALE:



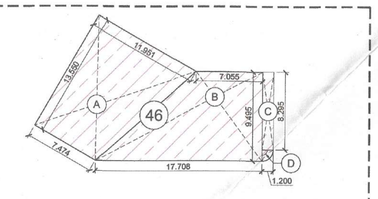
DETAIL OF 48						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	37.954	53.478		1	2029.704
A						**2029.704**
1	REC	17.650	4.350		1	76.778
2	QUADRANT			14.850	1	173.165
3	REC	2.800	14.850		1	41.580
4	TRIANGLE	23.862		16.915	1	201.813
5	SEGMENT			58.850	1	36.365
6	TRIANGLE	14.093		11.943	1	84.156
7	SEGMENT			46.200	1	138.739
8	TRIANGLE	41.536		2.180	1	45.274
B						**797.870**
TOTAL AREA OF 48 = (A - B)						**1231.834**

AREA DETAIL OF 48
SCALE:



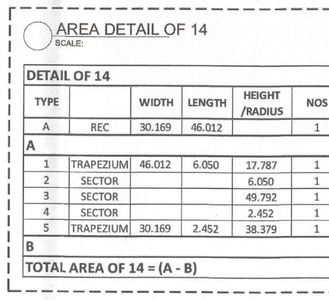
DETAIL OF 50							
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)	
A	REC	47.520	20.107		1	955.485	
B	SEGMENT			61.450	1	5.664	
C	SEGMENT			25.750	1	0.995	
A						**962.143**	
1	REC	12.500	7.407		1	92.588	
2	TRIANGLE	25.091		7.407	1	92.925	
3	SEGMENT			46.200	1	33.084	
4	TRIANGLE	9.929		13.208	1	65.571	
5	TRAPEZIUM	6.899	0.873	14.627	1	56.841	
6	TRIANGLE	6.648		0.873	1	2.902	
B						**343.909**	
TOTAL AREA OF 50 = (A - B)						**618.234**	

AREA DETAIL OF 50
SCALE:



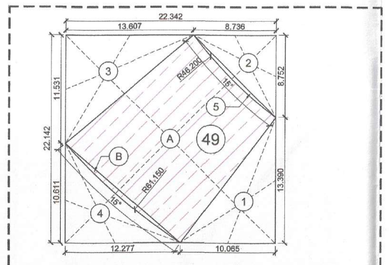
AREA DETAIL OF 46
SCALE:

DETAIL OF 46						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	TRAPEZIUM	11.951	7.474	13.550	1	131.604
B	TRAPEZIUM	17.708	7.055	9.495	1	117.562
C	REC	1.200	8.295		1	9.954
D	QUADRANT			1.200	1	1.131
TOTAL AREA OF 46						**260.251**



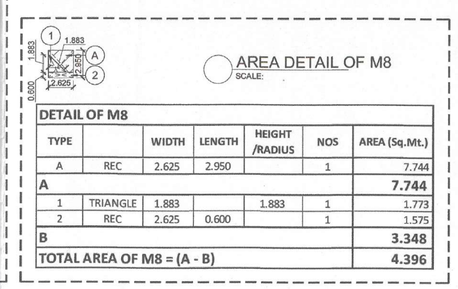
AREA DETAIL OF 14
SCALE:

DETAIL OF 14							
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)	
A	REC	30.169	46.012		1	1388.136	
A						**1388.136**	
1	TRAPEZIUM	46.012	6.050	17.787	1	463.013	
2	SECTOR			6.050	1	7.665	
3	SECTOR			49.792	1	255.250	
4	SECTOR			2.452	1	2.843	
5	TRAPEZIUM	30.169	2.452	38.379	1	625.981	
B						**1354.752**	
TOTAL AREA OF 14 = (A - B)						**33.384**	



AREA DETAIL OF 49
SCALE:

DETAIL OF 49						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	22.342	22.142		1	494.697
B	SEGMENT			61.150	1	5.609
A						**500.306**
1	TRIANGLE	10.065		13.390	1	67.385
2	TRIANGLE	8.736		8.752	1	38.229
3	TRIANGLE	13.607		11.531	1	78.451
4	TRIANGLE	12.277		10.611	1	65.136
5	SEGMENT			46.200	1	3.202
B						**252.402**
TOTAL AREA OF 49 = (A - B)						**247.903**



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	1.883		1.883	1	1.773
2	REC	2.625	0.600		1	1.575
B						**3.348**
TOTAL AREA OF M8 = (A - B)						**4.396**

ENVELOPE ADDITION (A)

TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	306.300	197.056		1	60358.253
TOTAL (A)						**60358.253**

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	82.918		1	4755.347
5	REC	8.050	70.368		1	566.462
6	REC	50.637	67.260		1	3405.845
7	REC	48.637	2.000		1	97.274
8	QUADRANT			2.000	1	3.141
9	REC	11.300	50.356		1	569.023
10	REC	48.503	49.356		1	2393.914
11	REC	14.160	15.932		1	225.597
12	REC	47.900	17.082		1	818.228
13	TRIANGLE	2.732		2.732	1	3.732
14	AS/DETAIL			33.384	1	33.384
15	REC	30.588	12.700		1	388.468
16	REC	22.388	6.296		1	140.955
17	TRIANGLE	22.388		10.958	1	122.664
18	TRIANGLE	2.568		4.197	1	5.389
19	REC	37.588	50.922		1	1914.056
20	REC	9.500	50.672		1	481.384
21	SECTOR			24.500	1	670.359
22	TRIANGLE	19.348		15.030	1	145.400
23	TRAPEZIUM	19.348	16.955	3.081	1	55.925
24	REC	16.955	8.060		1	136.657
25	REC	62.292	88.534		1	5514.960
26	TRAPEZIUM	15.431	7.421	17.500	1	199.955
27	TRIANGLE	20.210		26.015	1	262.882
28	TRAPEZIUM	47.574	30.443	13.308	1	519.125
29	REC	118.700	36.850		1	4374.095
30	REC	12.750	36.100		1	460.275
30A	REC	7.100	1.500		1	10.650
30B	TRAPEZIUM	9.955	5.700	0.550	1	4.305
31	ELLIPSE	16.200	26.250		1	1335.710
32	TRAPEZIUM	3.103	2.833	1.750	1	5.194
33	TRAPEZIUM	16.272	15.387	1.750	1	27.702
34	TRAPEZIUM	11.581	11.060	1.750	1	19.811
35	TRAPEZIUM	5.181	4.861	1.750	1	8.787
36	TRAPEZIUM	8.271	7.360	1.750	1	13.677
37	TRAPEZIUM	8.273	7.059	1.750	1	13.416
38	TRAPEZIUM	31.930	30.523	1.750	1	54.646
39	TRAPEZIUM	7.049	6.023	1.750	1	11.438
40	TRAPEZIUM	15.904	11.952	14.750	1	205.438
41	TRAPEZIUM	12.208	8.256	14.750	1	150.922
42	REC	13.200	14.750		2	389.400
43	REC	26.000	14.750		2	767.000
44	REC	13.200	13.550		2	357.720
45	REC	34.400	7.300		2	502.240
46	AS/DETAIL			260.251	1	260.251
47	AS/DETAIL			1122.487	1	1122.487
48	AS/DETAIL			1231.834	1	1231.834
49	AS/DETAIL			247.903	1	247.903
50	AS/DETAIL			618.234	1	618.234
TOTAL (B)						**39657.687**

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**

SECOND FLOOR CALCULATION	
SECOND BUILTUP AREA	A - (B+C)
	20250.661
SECOND FLOOR NON	D
	704.468
SECOND FLOOR FAR	BUILT UP - NON FAR
	20250.661 - 704.468
	19546.193

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)

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	6.650		1	6.983
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	1.650	1.450		1	2.393
J8	REC	1.600	13.200		1	21.120
J9	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			4.396	1	4.396
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)						**449.905**

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&SAFTY 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. 56 OF 2013 DATED 10.07.2013) IN SECTOR-66, GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY ADVANCE INDIA PROJECTS LIMITED.

OWNER SIGN

ARCHITECT SIGN

DRAWING TITLE:
SECOND FLOOR
FAR AND BUILT UP AREA CALCULATION

DATE:	SHEET NO	NORTH
SCALE:	38	

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

S.T.P.(HQ) Sector Secretary B.P.A.C. | S.T.P (G) Member B.P.A.C. | C.T.P (HQ) Chairman B.P.A.C.

DTP (HQ) ATP(HQ)

AD PA AP

Ram Avtar Bassi JD(HQ)

DDT(HQ) Member BPAC