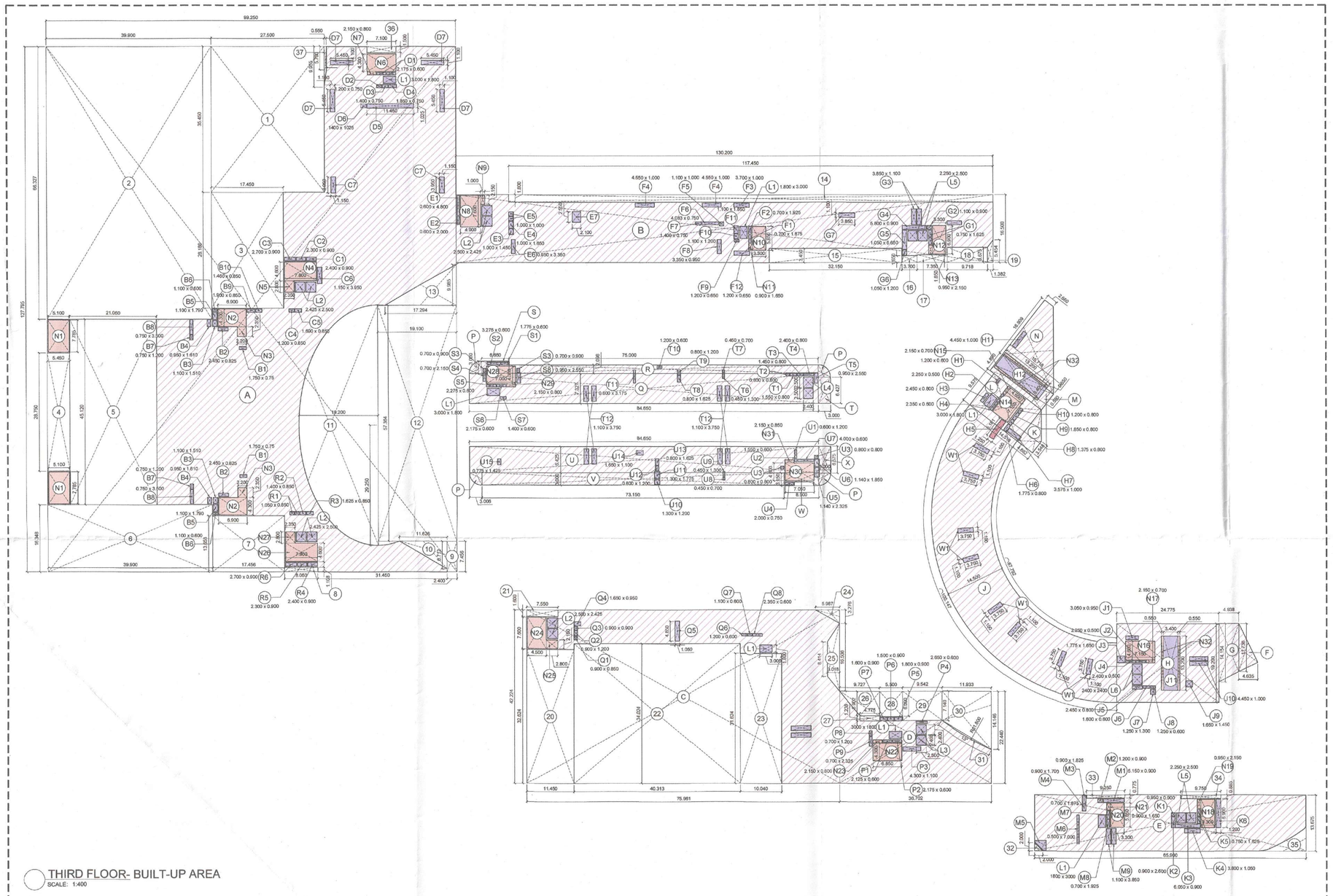
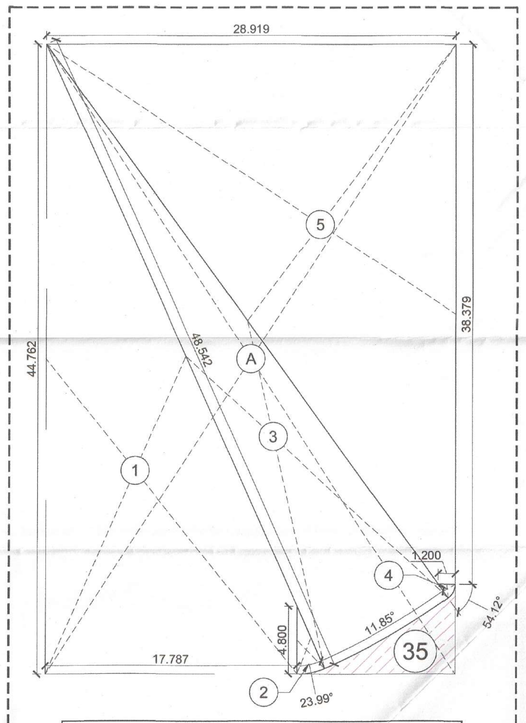
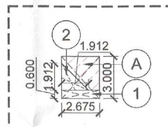


THIRD FLOOR- BUILT-UP AREA
SCALE: 1:400



DETAIL OF 36						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	28.919	44.762		1	1294.472
A						**1294.472**
1	TRAPEZIUM	44.762	4.800	17.787	1	440.780
2	SECTOR			4.800	1	4.823
3	SECTOR			48.542	1	243.623
4	SECTOR			1.200	1	0.680
5	TRAPEZIUM	28.919	1.200	38.379	1	577.969
B						**1267.874**
TOTAL AREA OF 36 = (A - B)						**26.598**

AREA DETAIL OF 36
SCALE:



AREA DETAIL OF M5
SCALE:

DETAIL OF M5						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	5.675	3.000		1	17.025
A						**17.025**
1	TRIANGLE	1.912		1.912	1	1.828
2	REC	2.675	0.600		1	1.605
B						**3.433**
TOTAL AREA OF M5 = (A - B)						**13.592**

ENVELOPE ADDITION (A)						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS/ VALUE	NOS	AREA (Sq.Mt.)
A	REC	99.250	127.795		1	12683.654
B	REC	130.200	16.500		1	2148.300
C	REC	75.961	42.224		1	3207.377
D	REC	36.702	22.440		1	823.593
E	REC	65.900	13.675		1	901.183
F	TRIANGLE	11.738		4.635	1	27.203
G	TRAPEZIUM	14.154	11.738	4.938	1	63.927
H	REC	24.775	19.200		1	475.680
J	TRAPEZIUM	100.147	67.792	14.500	1	1217.558
K	TRAPEZIUM	9.575	3.548	4.682	1	30.721
L	REC	14.518	9.575		1	139.010
M	REC	15.718	4.890		1	76.861
N	TRAPEZIUM	15.718	2.660	16.809	1	154.458
P	QUADRANT			3.000	4	28.269
Q	REC	84.650	7.327		1	620.231
R	REC	75.000	2.098		1	157.350
S	REC	6.650	3.000		1	19.950
T	REC	3.000	6.427		1	19.281
U	REC	84.650	6.425		1	543.876
V	REC	73.150	3.000		1	219.450
W	REC	8.500	3.150		1	26.775
X	REC	3.000	6.575		1	19.725
TOTAL (A)						**23604.431**

ENVELOPE SUBTRACTION (B)						
TYPE		WIDTH	LENGTH	HEIGHT /RADIUS/ VALUE	NOS	AREA (Sq.Mt.)
1	REC	27.500	35.450		1	974.875
2	REC	39.900	66.327		1	2646.447
3	REC	17.450	28.188		1	491.881
4	REC	5.450	28.750		1	156.688
5	REC	21.050	45.120		1	949.776
6	REC	39.900	16.348		1	652.285
7	REC	17.456	13.658		1	238.414
8	REC	8.050	1.108		1	8.919
9	REC	2.400	7.456		1	17.894
10	TRIANGLE	11.626		6.712	1	39.017
11	ELLIPSE	19.200	29.250		0.5	881.993
12	REC	19.100	57.364		1	1095.652
13	TRIANGLE	17.294		9.985	1	86.340
14	REC	117.450	1.800		1	211.410
15	REC	32.150	3.450		1	110.918
16	REC	3.700	1.650		1	6.105
17	REC	7.350	1.850		1	13.598
18	REC	9.718	3.675		1	35.714
19	TRAPEZIUM	5.454	3.675	1.382	1	6.308
20	REC	11.450	32.624		1	373.545
21	REC	7.550	1.600		1	12.080
22	REC	40.313	34.024		1	1371.610
23	REC	10.040	31.624		1	317.505
24	TRIANGLE	5.987		3.276	1	9.807
25	TRAPEZIUM	16.508	8.414	3.018	1	37.607
26	TRAPEZIUM	9.727	4.775	5.902	1	42.795
27	REC	4.775	1.238		1	5.911
28	REC	5.500	6.090		1	33.495
29	REC	9.542	7.140		1	68.130
30	TRAPEZIUM	14.146	7.140	11.933	1	127.008
31	SEGMENT			61.800	1	3.819
32	TRIANGLE	2.000		2.000	1	2.000
33	REC	9.250	0.775		1	7.169
34	REC	9.750	0.885		1	8.629
35	AS/DETAIL			26.598	1	26.598
36	REC	7.100	1.500		1	10.650
37	TRAPEZIUM	9.955	5.700	0.550	1	4.305
TOTAL (B)						**11086.891**

NON FAR (D)						
TYPE		WIDTH	LENGTH	VALUE	NOS	AREA (Sq.Mt.)
N1	REC	5.100	7.785		2	79.407
N2	REC	6.900	4.300		2	59.340
N3	REC	2.200	2.350		2	10.340
N4	REC	7.800	4.600		1	35.880
N5	REC	2.350	2.800		1	6.580
N6	REC	7.100	4.300		1	30.530
N7	REC	2.150	0.800		1	1.720
N8	REC	4.900	7.600		1	37.240
N9	REC	1.000	2.150		1	2.150
N10	REC	3.300	5.850		1	19.305
N11	REC	0.900	1.650		1	1.485
N12	REC	3.300	6.900		1	22.770
N13	REC	0.950	2.150		1	2.043
N14	REC	4.600	7.150		1	32.890
N15	REC	2.150	0.700		1	1.505
N16	REC	7.150	4.600		1	32.890
N17	REC	2.150	0.700		1	1.505
N18	REC	3.300	6.900		1	22.770
N19	REC	0.950	2.150		1	2.043
N20	REC	3.300	5.850		1	19.305
N21	REC	0.900	1.650		1	1.485
N22	REC	6.850	4.300		1	29.455
N23	REC	2.150	0.800		1	1.720
N24	REC	4.500	7.600		1	34.200
N25	REC	2.800	2.150		1	6.020
N26	REC	7.800	4.600		1	35.880
N27	REC	2.350	2.800		1	6.580
N28	REC	7.000	4.300		1	30.100
N29	REC	2.150	0.800		1	1.720
N30	REC	7.050	4.300		1	30.315
N31	REC	2.150	0.850		1	1.828
N32	REC	0.550	13.200		4	29.040
TOTAL (D)						**630.040**

SERVICE CUTOUT (C)						
TYPE		WIDTH	LENGTH	VALUE	NOS	AREA (Sq.Mt.)
B1	REC	1.750	0.750		2	2.625
B2	REC	2.450	0.825		2	4.043
B3	REC	1.100	1.510		2	3.322
B4	REC	0.950	1.610		2	3.059
B5	REC	1.100	1.790		2	3.938
B6	REC	1.100	0.600		2	1.320
B7	REC	0.750	1.200		2	1.800
B8	REC	0.750	3.500		2	5.250
B9	REC	1.900	0.850		1	1.615
B10	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
C6	REC	1.150	3.950		1	4.543
C7	REC	1.150	3.950		2	9.085
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	0.750		1	1.050
D7	REC	5.450	1.100		4	23.980
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	0.950	3.350		1	3.183
E7	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	3.700	1.000		1	3.700
F4	REC	4.550	1.000		2	9.100
F5	REC	1.100	1.100		1	1.210
F6	REC	4.083	0.750		1	3.062
F7	REC	1.400	0.750		1	1.050
F8	REC	3.350	0.950		1	3.183
F9	REC	1.200	0.650		1	0.780
F10	REC	1.100	1.200		1	1.320
F11	REC	1.100	1.850		1	2.035
F12	REC	1.200	0.650		1	0.780
G1	REC	0.750	1.625		2	2.438
G2	REC	1.100	0.900		1	0.990
G3	REC	3.850	1.100		2	8.470
G4	REC	5.800	0.900		1	5.220
G5	REC	1.050	6.650		1	6.983
G6	REC	1.050	1.200		1	1.260
G7	REC	3.850	1.100		1	4.235
H1	REC	1.200	0.600		1	0.720
H2	REC	2.250	0.500		1	1.125
H3	REC	2.450	0.800		1	1.960
H4	REC	2.350	0.500		1	1.175
H5	REC	1.250	5.181		1	6.476
H6	REC	1.775	0.800		1	1.420
H7	REC	3.575	1.000		1	3.575
H8	REC	1.375	0.800		1	1.100
H9	REC	1.850	0.800		1	1.480
H10	REC	1.200	0.800		1	0.960
H11	REC	4.450	1.000		1	4.450
H12	REC	13.200	3.400		1	44.880
J1	REC	3.050	0.950		1	2.898
J2	REC	2.250	0.500		1	1.125
J3	REC	1.775	1.650		1	2.929
J4	REC	2.400	0.500		1	1.200
J5	REC	2.450	0.800		1	1.960
J6	REC	1.600	0.600		1	0.960
J7	REC	1.250	1.300		1	1.625
J8	REC	1.250	0.600		1	0.750
J9	REC	1.650	1.450		1	2.393
J10	REC	4.450	1.000		1	4.450
J11	REC	3.400	13.200		2	89.760

THIRD FLOOR CALCULATION	
THIRD BUILTUP AREA	**A - (B+C)**
	11856.277
THIRD FLOOR NON FAR	**D**
	630.040
THIRD FLOOR FAR	**BUILT UP - NON FAR**
	11856.277 - 630.040
	11226.237

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)

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	3.800	1.050		1	3.990
K5	REC	0.750	1.625		2	2.438
K6	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	5.150	0.900		1	4.635
M2	REC	1.200	0.900		1	1.080
M3	REC	0.900	1.850		1	1.665
M4	REC	0.900	1.700		1	1.530
M5	AS/DETAIL			13.592	1	13.592
M6	REC	0.500	7.000		1	3.500
M7	REC	0.700	1.875		1	1.313
M8	REC	0.700	1.925		1	1.348
M9	REC	1.100	3.850		2	8.470
P1	REC	2.125	0.600		1	1.275
P2	REC	2.175	0.600		1	1.305
P3	REC	4.300	1.100		1	4.730
P4	REC	2.650	0.600		1	1.590
P5	REC	1.800	0.900		1	1.620
P6	REC	1.500	0.900		1	1.350
P7	REC	1.600	0.900		1	1.440
P8	REC	0.700	1.200		1	0.840
P9	REC	0.700	2.325		1	1.628
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	1.050	4.850		1	5.093
Q6	REC	1.200	0.600		1	0.720
Q7	REC	1.100	0.600		1	0.660
Q8	REC	2.350	0.600		1	1.410
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	0.900		1	2.160
R5	REC	2.300	0.900		1	2.070
R6	REC	2.700	0.900		1	2.430
S1	REC	1.775	0.600		1	1.065
S2	REC	3.275	0.600		1	1.965
S3	REC	0.700	0.900		2	1.260
S4	REC	0.700	2.150		1	1.505
S5	REC	2.275	0.600		1	1.365
S6	REC	2.175	0.600		1	1.305
S7	REC	1.400	0.600		1	0.840
S8	REC	0.950	2.550		1	2.423
T1	REC	1.550	0.800		1	1.240
T2	REC	0.800	0.800		1	0.640
T3	REC	1.450	0.800		1	1.160
T4	REC	2.400	0.800		1	1.920
T5	REC	0.950	2.550		1	2.423
T6	REC	0.450	1.300		1	0.585
T7	REC	0.450	0.700		1	0.315
T8	REC	0.800	1.625		1	1.300
T9	REC	0.800	1.200		1	0.960
T10	REC	1.200	0.600		1	0.720
T11	REC	0.600	3.175		1	1.905
T12	REC	1.100	3.750		4	16.500
U1	REC	0.600	1.200		1	0.720
U2	REC	1.550	0.600		1	0.930
U3	REC	0.800	0.800		2	1.280
U4	REC	2.000	0.750		1	1.500
U5	REC	1.140	2.325		1	2.651
U6	REC	1.140	1.850		1	2.109
U7	REC	4.000	0.600		1	2.400
U8	REC	0.450	0.700		1	0.315
U9	REC	0.450	1.300		1	0.585
U10	REC	1.300	1.200		1	1.560
U11	REC	1.300	1.775		1	2.308
U12	REC	0.800	1.200		1	0.960
U13	REC	0.800	1.625		1	1.300
U14	REC	1.650	1.100		1	1.815
U15	REC	0.775	1.425		1	1.104
TOTAL (C)						**661.262**

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

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

DTP (HQ) ATP (HQ)

AD PA ATP

Ram Avtar Bassi UD(HQ)

DD (HQ) Member BPAC

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 FIGHTINGS/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. 98 OF 2013 DATED 10.07.2013) IN SECTOR-68, GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY ADVANCE INDIA PROJECTS LIMITED

OWNER SIGN

ARCHITECT SIGN

DRAWING TITLE:
THIRD FLOOR
FAR AND BUILT UP AREA CALCULATION

DATE:	SHEET NO	NORTH
SCALE:	48	