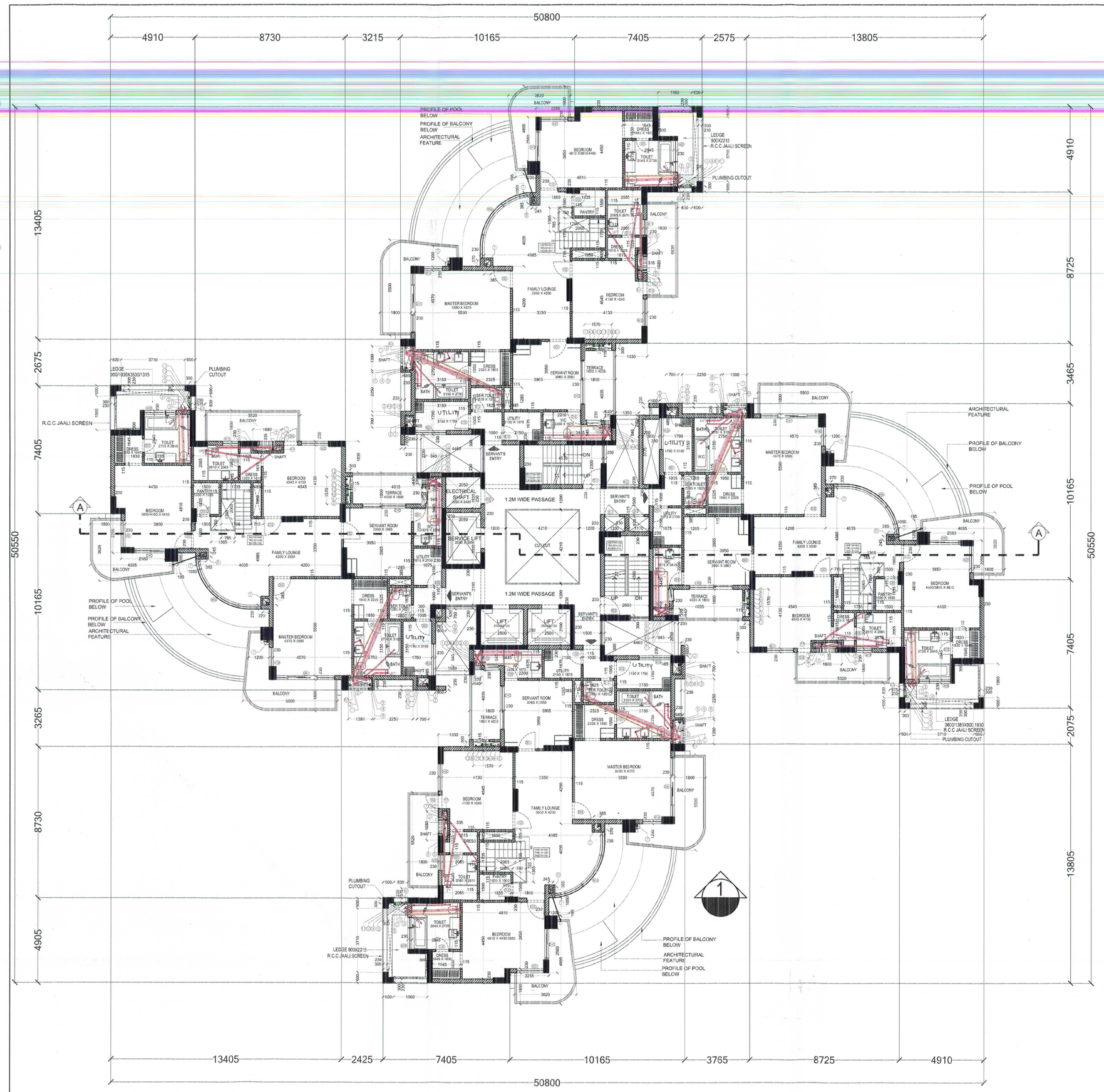
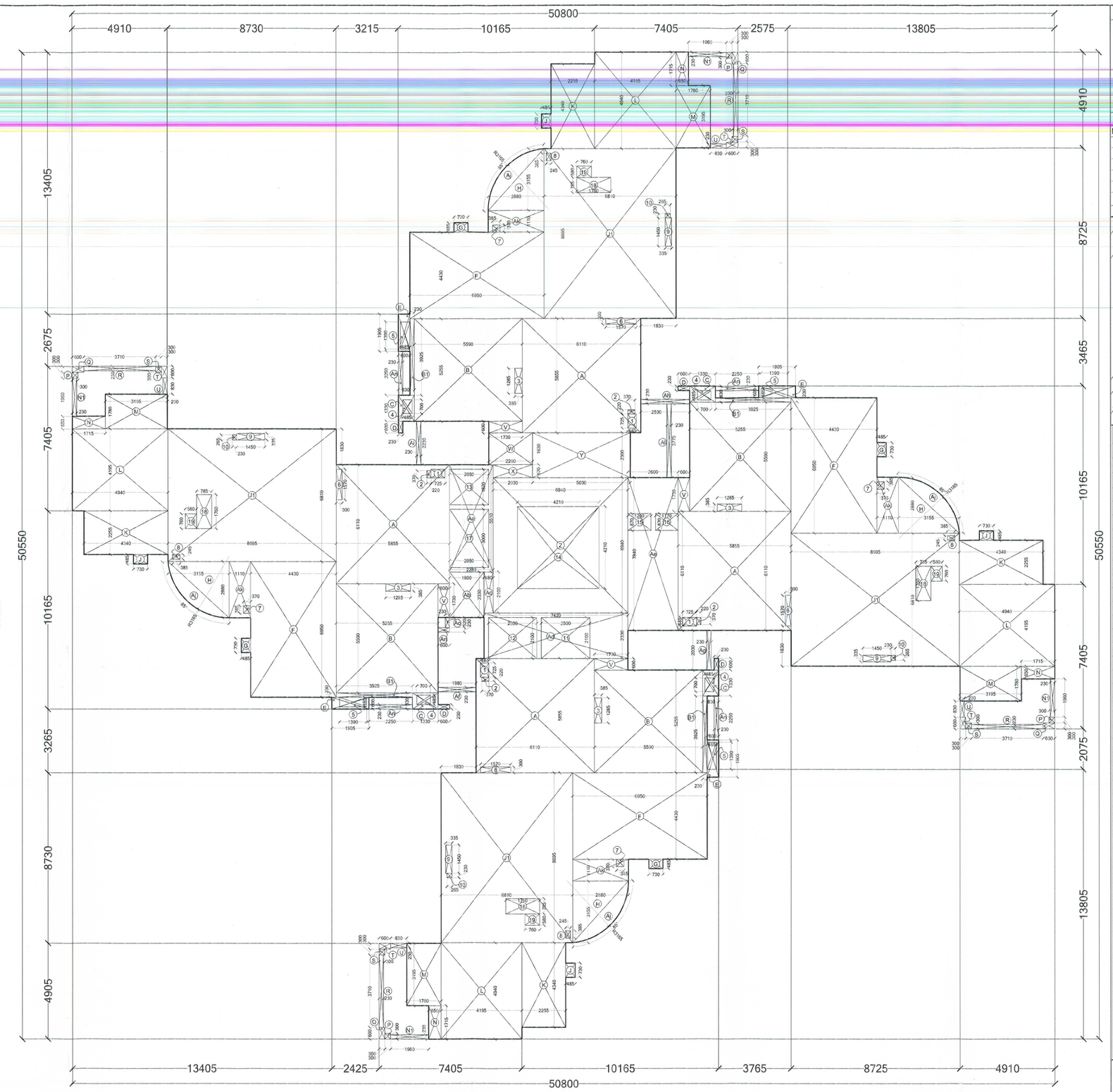


UPPER DUPLEX PLAN
(13th FLOOR PLAN)



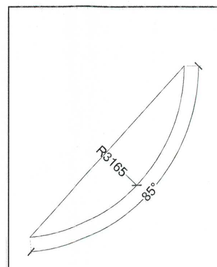
UPPER DUPLEX HOUSE PLAN- AREA DIAGRAM

UPPER PENT HOUSE ADDITIONS RECTANGLES				
No.	BASE	HEIGHT	Nos.	AREA
A	6.11	5.855	4	143.0962
B	5.59	5.255	4	117.5018
B1	2.25	0.23	4	2.07
C	0.83	1.33	4	4.4156
D	0.6	0.23	4	0.552
E	1.675	0.83	4	5.561
F	6.95	4.43	4	123.154
G	0.73	0.485	4	1.4162
J1	6.81	8.695	4	236.8518
J	0.485	0.73	4	1.4162
K	2.255	4.34	4	39.1468
L	4.195	4.94	4	82.8932
M	1.78	3.195	4	22.7484
N	0.65	1.715	4	4.459
N1	1.96	0.23	4	1.8032
P	0.3	0.3	4	0.36

Q	0.6	0.3	4	0.72
R	0.23	3.71	4	3.4132
S	0.3	0.3	4	0.36
T	0.6	0.3	4	0.72
U	0.83	0.23	4	0.7636
V	1.73	0.6	4	4.152
W	2.26	1.63	1	3.6838
X	2.03	0.67	1	1.3601
Y	5.03	2.3	1	11.569
Z	6.94	6.94	1	48.1636
Aa	2.28	5.51	1	12.5628
Ab	2.33	1.8	1	4.194
Ac	0.48	2.1	1	1.008
Ad	7.42	2.33	1	17.2886
Ae	2.6	7.84	1	20.384
Af	1.98	0.23	1	0.4554
Ag	2.03	0.23	1	0.4669
Ah	2.53	0.23	1	0.5819
Ai	2.23	0.23	1	0.5129
Ak	2.88	1.11	4	12.7872

Al	3.775	0.23	1	0.86825
Am	0.6	0.23	1	0.138
An	0.23	2.23	4	2.0516
Ao	0.23	0.52	1	0.1196
Ap	0.6	2.23	1	1.338
TOTAL				937.10785
RIGHT ANGLE TRIANGLE				
H	3.155	2.88	4	18.1728
SEGMENT				
Aj	2.438		4	9.752
SUBTRACTIONS				
1	0.725	0.44	4	1.276
2	0.22	0.37	4	0.3256
3	1.285	0.385	4	1.9789
4	0.485	0.7	4	1.358
5	0.485	1.39	4	2.6966
6	1.57	0.3	4	1.884
7	0.385	0.37	4	0.5698
8	0.385	0.245	4	0.3773

9	0.335	1.45	4	1.943
10	0.23	0.265	4	0.2438
11	2.5	2.1	1	5.25
12	2.5	2.1	1	5.25
13	2.05	1.82	1	3.731
14	4.2	4.2	1	17.64
15	1.2	0.87	1	1.044
16	1.17	0.87	1	1.0179
17	3	2.05	1	6.15
18	0.785	1.76	4	5.5264
19	0.58	0.76	4	1.7632
TOTAL				60.0255
TOTAL COVERED AREA				**905.01**



AREA OF SEGMENT

$$\frac{\theta(\pi r^2)}{360} - (1/2\, r^2 \sin\theta) = \frac{85 \times 3.14 \times 3.165 \times 3.165}{360} - 3.165 \times 3.165 \times .996 \times .5$$

$$= 7.426 - 4.988 = 2.438$$

SCHEDULE OF OPENING

S.NO.	TYPE	WIDTH	HEIGHT	CILL	LINTEL
1	FD	1100	2550	-	2550
2	FD1	900	2550	-	2550
3	FD2	900	2100	-	2100
4	D/W	1875	2800	-	2800
5	D/W1	3420	2800	-	2800
6	D/W2	1810	2800	-	2800
7	D/W3	2525	2800	-	2800
8	W01	1200	1750	1050	2800
9	W02	800	1750	1050	2800
10	W03	2250	2400	400	2800
11	W04	2900	2400	400	2800
12	W05	1540	2400	400	2800
13	W06		1500	900	2800
14	W07	1810	2400	400	2800
15	W08	1955	2400	400	2800
16	W09	1800	1750	1050	2800
17	W10	450	1750	1050	2800
18	W11	750	1750	1050	2800
19	W12	1800	1500	900	2800
20	W13	1630	1500	900	2800
21	W14	1100	1500	900	2800
22	W15	1430	1500	900	2800
23	W16	1335	2400	400	2800
24	W17	1570	2400	400	2800
25	W18	1105	2400	400	2800
26	W19	900	1750	1050	2800
27	W20	1570	2400	400	2800
28	W21	1555	2400	400	2800
29	W22	1300	1750	1050	2800
30	W23	485	1750	1050	2800
31	W24	1835	1750	1050	2800
32	D01	1400	2650	-	2650
33	D02	1050	2400	-	2400
34	D03	900	2100	-	2100
35	D04	900	2400	-	2400
36	D05	800	2400	-	2400
37	D06	800	2800	-	2800
38	D07	750	2800	-	2800
39	D08	1050	2800	-	2800
40	D09	900	2550	-	2550
41	D10	900	2400	-	2400
42	D11	900	2100	-	2100
43	D12	750	2100	-	2100
44	D13	900	2800	-	2800

PLUMBING NOTES:-

1. ALL PIPES DIAMETERS ARE IN MM.
2. ALL CONNECTIONS FLOOR DRAIN TO M.F.T. WILL BE 50 OD WASTE PIPE.
3. ALL WASTE FROM WASH BASIN TO M.F.T. WILL BE 40 OD SWR WASTE PIPE.
4. ALL PIPES FROM WFT TO STACK WILL BE 75 OD SWR PIPES UNLESS OTHERWISE SPECIFIED.
5. ALL PIPES FROM WCUT TO STACK WILL BE 110 OD SWR PIPES UNLESS OTHERWISE SPECIFIED.
6. ALL PIPES FROM VFT TO GT WILL BE 75/ 90 OD SWR PIPES UNLESS OTHERWISE SPECIFIED.
7. ALL PIPES FROM WCUT TO SW WILL BE 110 OD SWR PIPES UNLESS OTHERWISE SPECIFIED.
8. THIS DWG. SHOULD BE READ ALONG WITH ARCHITECTURAL/STRUCTURAL DWG.

NOTE: MECHANICAL VENTILATION WILL BE PROVIDED IN THE POWDER RM. & W.C.

NOTE: KINDLY REFER DRG. AR-A-18 FOR FLOOR WISE AREA CONSUMPTION TABLE

Notes

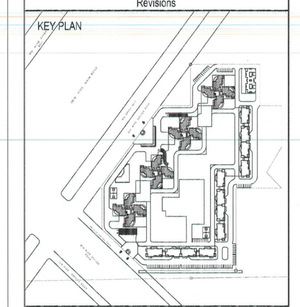
- Dimensions are not to be scaled.
- All Dimensions Are In MM
- All windows & ventilators are openable
- All walls are 230/115 thk. Brick Wall

Issues

No.	Date	By	Description

Revisions

KEY PLAN

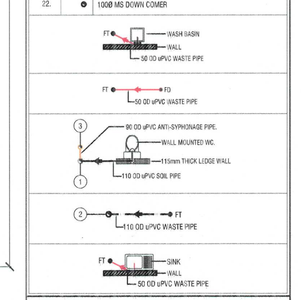


PLUMBING NOTES:-

1. WASH BASIN TO FLOOR TRAP (FT) 50 OD uPVC PIPE.
2. KITCHEN SINK TO FLOOR TRAP (FT) 50 OD uPVC PIPE.
3. FLOOR DRAIN (FD) TO FLOOR TRAP (FT) 50 OD uPVC WASTE PIPE.
4. 110 OD uPVC PIPE USED FOR SOIL & WASTE.
5. 110 OD uPVC PIPE USED FOR TERRACE RAIN WATER
6. 90 OD uPVC PIPE USED FOR BALCONY.

SCHEDULE OF PIPES :-

PIPE NO.	SYMBOL	DESCRIPTION
1.		110 OD SWR SOIL & VENT PIPE
2.		110 OD SWR WASTE & VENT PIPE
3.		90 OD SWR ANTISYPHONAGE PIPE
4.		COLD WATER SUPPLY PIPE
5.		WATER SUPPLY FOR UPPER FLOORS
6.		FLUSHING PIPE
7.		110 OD uPVC RAIN WATER PIPE
8.		90 OD uPVC RAIN WATER PIPE
9.		COLD WATER RISER
10.		FLUSHING WATER RISER
11.		HOT WATER SUPPLY FROM SOLAR PANEL
12.		HOT WATER RETURN TO SOLAR PANEL
13.		SPACE PROVISION FOR GAS PIPE
14.		A.S.P. (VENT PIPE)
15.		SOIL LINE
16.		WASTE LINE
17.	FD	FLOOR DRAIN
18.	UFT	MULTI FLOOR TRAP
19.		150Ø MS WCT RISER
20.		150Ø MS SPRINKLER RISER
21.		80Ø MS DRAIN PIPE
22.		100Ø MS DOWN COMER



Owner's Signature

Architect's Signature

Anandita Sood, Architect
Council of Architecture
Registration No. CA/2000-

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AD DD SD TTP

Clients
Athena Infrastructure Limited
Plot No. - 448-451, Udyog Vihar
Phase - V, Gurgaon-122 001

Checked and found ok for Public Health Engineering Services only subject to comments in Checking letter No. EE/HQ/ dt. 11/4/13

Executive Engineer
Public Health Divisions
Haryana, Gurgaon

Job Title
REVISED BUILDING PLANS OF GROUP HOUSING COLONY ON AREA MEASURING 19.856 ACRES(LICENSE NO. 213 OF 2007 DATED 05.09.2007,LICENSE NO.10 OF 2011 DATED 29.01.2011 AND LICENSE NO.64 OF 2012 DATED 20.06.2012)IN SECTOR-110,GURGAON MANESAR URBAN COMPLEX BEING DEVELOPED BY ATHENA INFRASTRUCTURE LTD. AND OTHERS.

Drawing Title
UPPER DUPLEX FLOOR PLAN
(13th FLOOR)
TOWER A

SANCTIONED

To be read in conjunction with memo No. 36-37-2 Dtd 02/01/13

Job No.		Drawing No.
Drawn	Checked	AR-A-14
Date 24.07.2012	Scale 1:100	Revisions