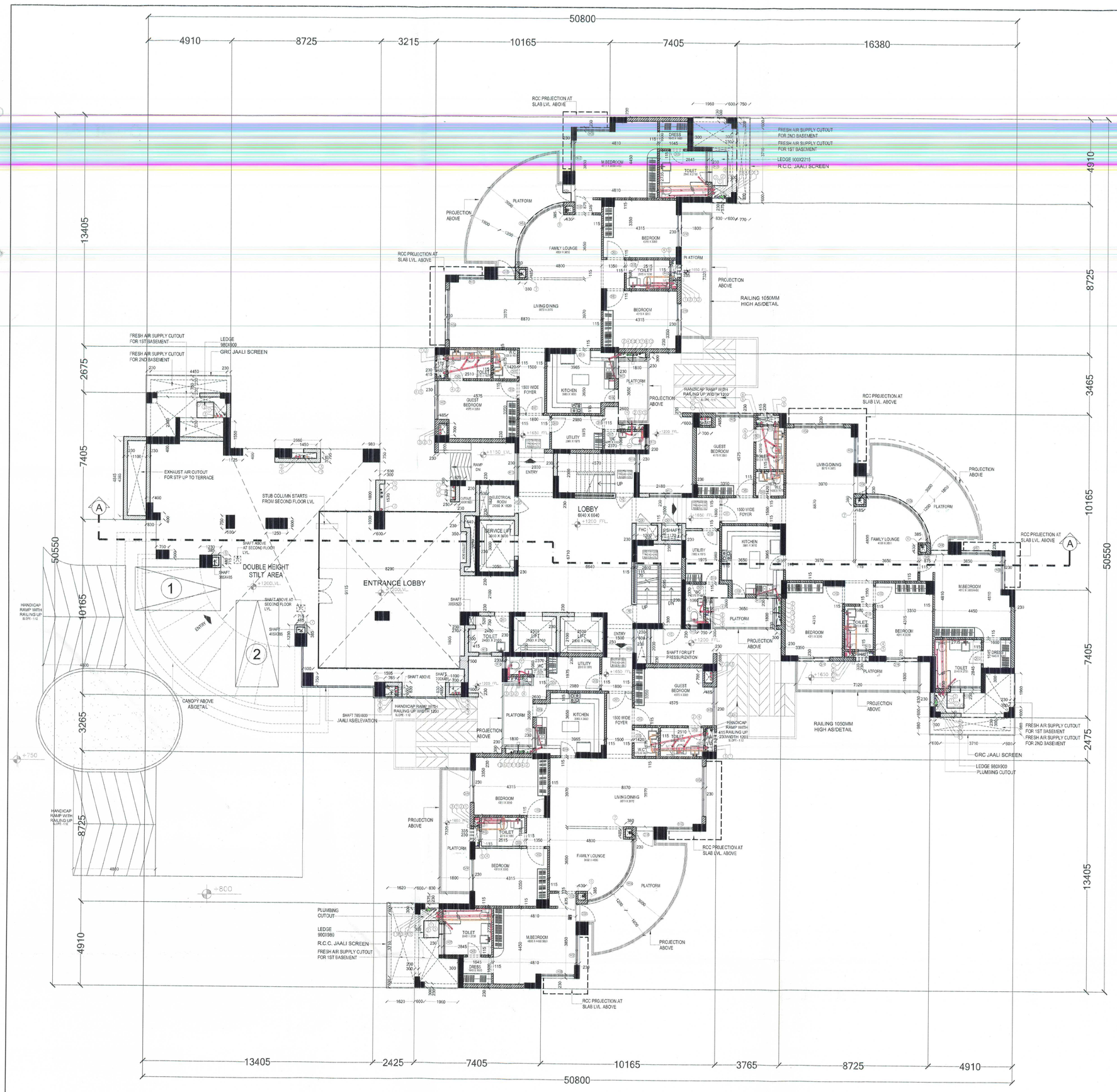
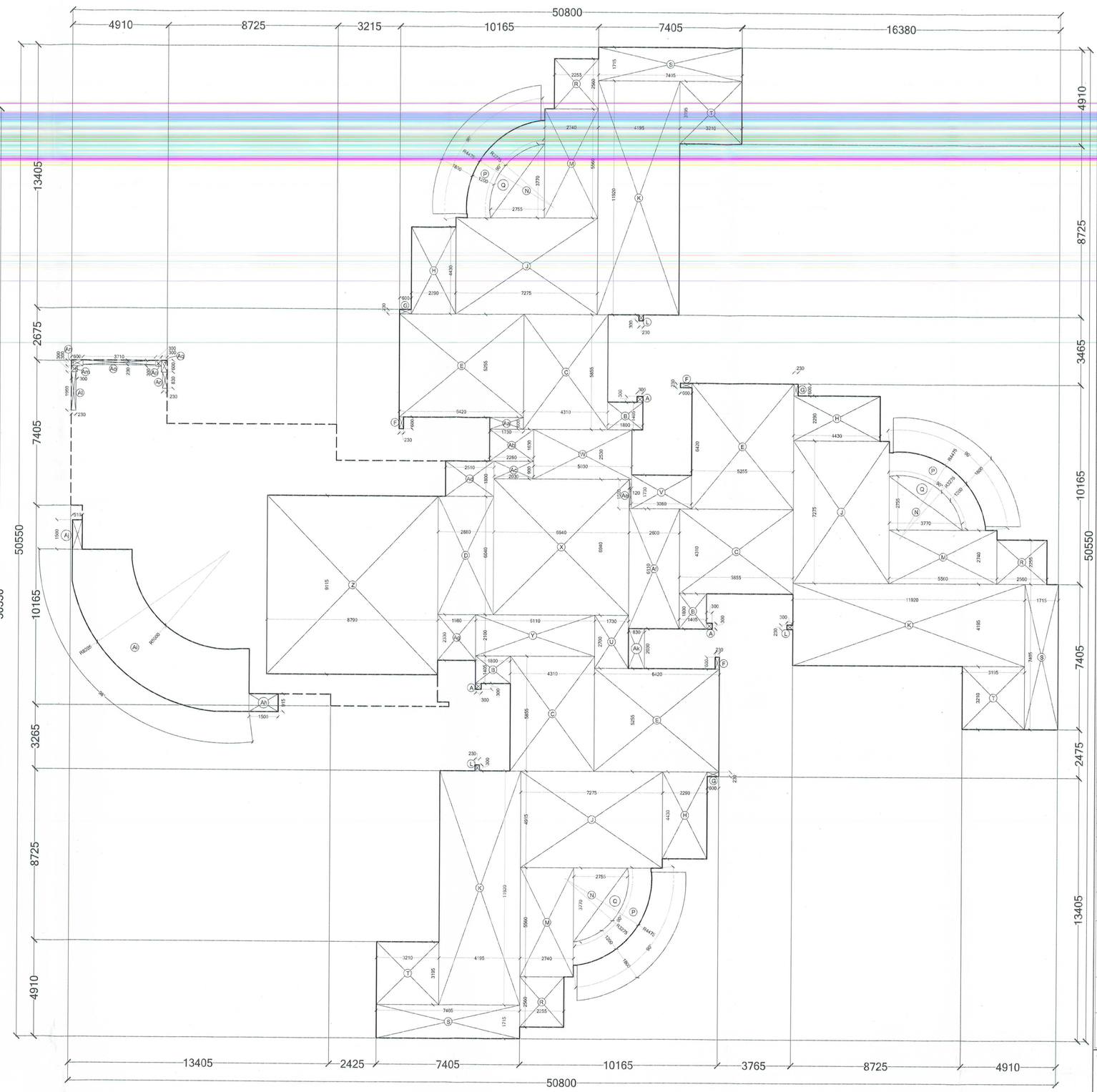


STILT/GROUND FLOOR PLAN



STILT/GROUND FLOOR PLAN AREA DIAGRAM

Notes

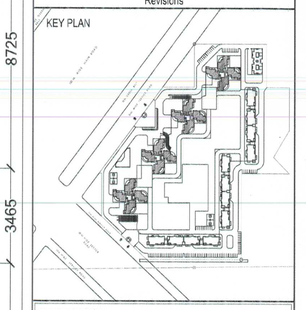
- Dimensions are not to be scaled.
- All Dimensions Are In MM
- All windows & ventilators are openable
- All walls are 230/115 thk. Brick Wall

Issues

No.	Date	By	Description

Revisions

KEY PLAN

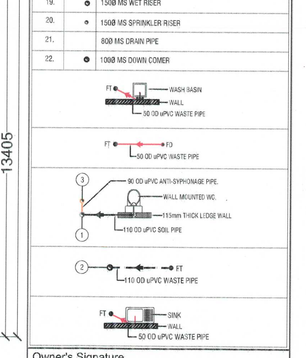


PLUMBING NOTES:-

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 :-

REF NO.	SYMBOL	DESCRIPTION
1.		110 OD SWR SOIL & VENT PIPE
2.		110 OD SWR WASTE & VENT PIPE
3.		50 OD SWR ANTI/HYPHOANE 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 WET RISER
20.		150Ø MS SPRINKLER RISER
21.		80Ø MS DRAIN PIPE
22.		150Ø MS DRAIN COVER



Owner's Signature

Architect's Signature

Architects

Arcop Assocciates Pvt. Ltd.
Plot No-36, Sector-32, Gurgaon.
HARYANA - 122001
INDIA

Ph.: +91-124-4595500 , 4371200
Fax: +91-124-4595550

Clients

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

Job Title

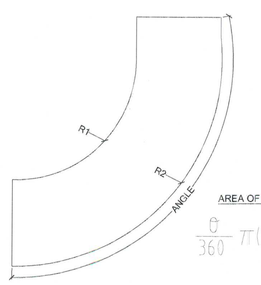
REVISED BUILDING PLANS OF GROUP HOUSING COLONY ON AREA MEASURING 19.856 ACRES(LICENSE NO. 213 OF 2037 DATED 05.09.2007,LICENSE NO.10 OF 2011 DATED 29.01.2011 AND LICENSE NO.64 OF 2012 DATED 23.06.2012)IN SECTOR-110,GURGAON MANESAR URBAN COMPLEX BEING DEVELOPED BY ATHENA INFRASTRUCTURE LTD. AND OTHERS.

Drawing Title

GROUND FLOOR PLAN & AREA DIAGRAM
TOWER D

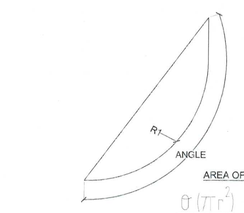
Job No.		Drawing No.
Drawn	Checked	AR-A-06a
Date 23.07.2012	Scale 1:100	Revisions

GROUND/STILT FLOOR PLAN-TOWER D				
ADDITIONS				
RECTANGLES				
No.	BASE (M)	HEIGHT(M)	Nos.	AREA(SQ.M)
A	0.3	0.3	3	0.27
B	1.8	1.405	3	7.587
C	4.31	5.855	3	75.70515
D	2.88	6.04	1	17.3952
E	6.42	5.255	3	101.2113
F	0.23	0.6	3	0.414
G	0.6	0.23	3	0.414
H	2.29	4.43	3	30.4341
J	7.275	4.915	3	107.269875
K	4.195	11.92	3	150.0132
L	0.23	0.3	3	0.207
M	2.74	5.56	3	45.7032
R	2.255	2.56	3	17.3184
S	7.405	1.715	3	38.098725
T	3.21	3.195	3	30.76785
U	1.73	2.7	1	4.671
V	3.08	1.73	1	5.3284
W	5.03	2.53	1	12.7259
X	6.94	6.94	1	48.1636
Y	6.11	2.1	1	12.831
Z	8.79	9.115	1	80.12085
Aa	1.73	0.6	1	1.038
Ab	2.26	1.63	1	3.6838
Ac	2.03	0.9	1	1.827
Ad	2.51	1.8	1	4.518
Ae	0.12	1.5	1	0.18
Af	2.6	6.11	1	15.886
Ag	1.98	2.33	1	4.6134
Ah	1.5	0.915	1	1.3725
Aj	0.51	1.5	1	0.765
Ak	0.83	2.03	1	1.6849
Al	0.3	1.96	1	0.588
Am	0.3	0.3	1	0.09
An	0.6	0.3	1	0.18
Ao	3.71	0.23	1	0.8533
Ap	0.3	0.3	1	0.09
Aq	0.3	0.6	1	0.18
Ar	0.23	0.83	1	0.1909
TOTAL				824.39
RIGHT ANGLE TRIANGLE				
N	3.77	2.755	3	15.57925
TOTAL				15.58
SEGMENT				
P		7.3005	3	21.9015
Q		3.0568	3	9.1704
Ai		36.49	1	36.49
TOTAL				67.5619
TOTAL COVERED AREA				907.53



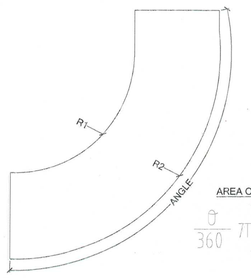
AREA OF SEGMENT

$\frac{\theta}{360}\pi(r_1^2-r_2^2)$ $=\frac{98}{360}\times3.14(8205\times8205-5000\times5000)$
$=\frac{3.14\times98}{360}(67.69-25)-\frac{3.14\times98}{360}(14.269)$
$=36.49$



AREA OF SEGMENT

$\frac{\theta}{360}(\pi r^2)-(1/2\,r^2)\sin\theta=\frac{90\times3.14\times3275\times3275}{360}-3275\times3275\times1\times.5$
$=8.416-5.36=3.056$



AREA OF SEGMENT

$\frac{\theta}{360}\pi(r_1^2-r_2^2)$ $=\frac{60}{360}\times3.14(4475\times4475-3275\times3275)$
$=\frac{3.14}{6}(20.03-10.73)=7.3005$

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

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	600	1750	1050	2800
10	W03	2250	2400	400	2800
11	W04	3800	2400	400	2800
12	W05	1540	2400	400	2800
13	W06	-	1900	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	1900	900	2800
20	W13	1630	1900	900	2800
21	W14	1100	1900	900	2800
22	W15	1430	1900	900	2800
23	W16	1335	2400	400	2800
24	W17	1570	2400	400	2800
25	W18	1105	2400	400	2800
26	W19	600	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	W25	1900	1900	1050	2800
33	W16	1570	2400	400	2800
34	D01	1400	2400	-	2400
35	D02	1050	2400	-	2400
36	D03	900	2100	-	2100
37	D04	900	2400	-	2400
38	D05	800	2400	-	2400
39	D06	800	2800	-	2800
40	D07	750	2800	-	2800
41	D08	1050	2800	-	2800
42	D09	900	2550	-	2550
43	D10	900	2400	-	2400
44	D11	900	2100	-	2100
45	D12	750	2100	-	2100
46	D13	900	2800	-	2800
47	D06a	800	2800	-	2800

PLUMBING NOTES:-

1. ALL PIPES DIAMETERS ARE IN MM.
2. ALL CONNECTIONS FLOOR DRAIN TO R.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 MFT TO STACK WILL BE 75 OD SWR PIPES ORDTHERWISE SPECIFIED.
5. ALL PIPES FROM RCUT TO STACK WILL BE 110 OD SWR PIPES ORDTHERWISE SPECIFIED.
6. ALL PIPES FROM MFT TO CT WILL BE 75 90 OD SWR PIPES ORDTHERWISE SPECIFIED.
7. ALL PIPES FROM RCUT TO MH WILL BE 110 OD SWR PIPES ORDTHERWISE SPECIFIED.
8. THIS DRG. SHOULD BE READ ALONG WITH ARCHITECTURAL/STRUCTURAL DRG.

D.T.P. Manager B.P.C. — S.T.P. (G) Member B.P.C. — S.T.P. (HQ) Chairman B.P.C.

AD JD SD AK

Checked and found ok for Public Health (Internal) Services only subject to comments in forwarding letter No. EE/HQ/ 60. Dt. 11/4/12

Superintending Engineer (Internal) Panchkula

NOTE:- MECHANICAL VENTILATION WILL BE PROVIDED IN THE POWDER ROOM & WC.

SANCTIONED

To be read in conjuction with memo No. 36/TCP Dtd. 13/4/12