TOWER PLANS_100

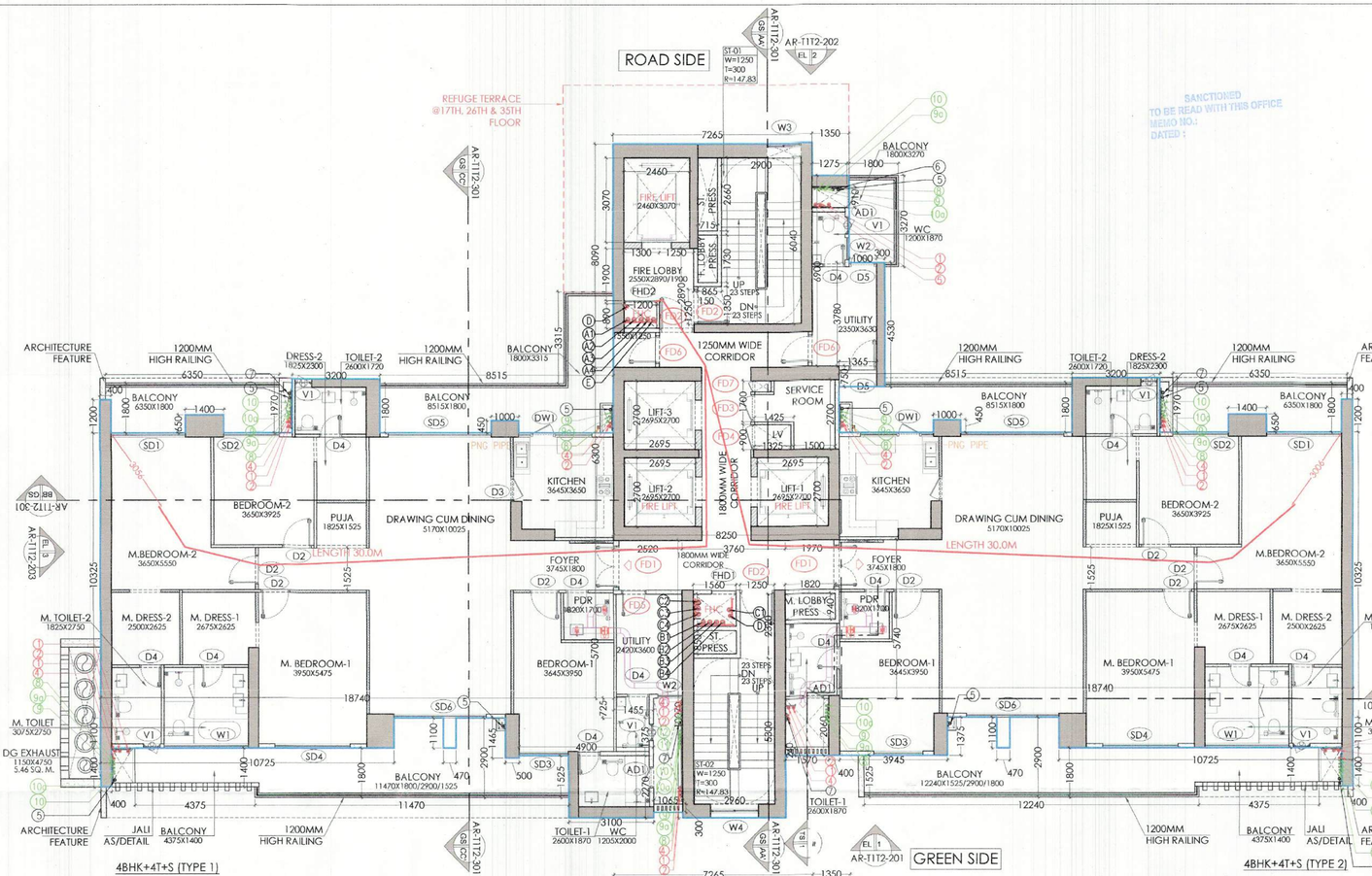
TYPICAL FLOOR (F.A.R.) - TOWER T1				
1ST-16TH, 18TH-25TH, 27TH-34TH & 36TH-40TH				
S.NO.	WIDTH (M)	LENGTH (M)	NOS.	AREA (SqM)
ADDITIONS				
A	18.740	10.325	2	386.981
B	1.200	0.400	2	0.960
C	1.400	0.650	2	1.820
D	3.200	1.970	2	12.608
E	1.000	0.450	2	0.900
F	1.400	0.400	2	1.120
G	10.275	1.100	2	22.605
H	0.470	1.100	2	1.034
I	0.500	1.465	1	0.733
J	4.900	1.375	1	6.738
K	3.100	2.270	1	7.037
L	1.455	0.725	1	1.055
M	1.065	0.300	1	0.320
N	2.520	5.700	1	14.364
O	3.760	10.070	1	37.863
P	8.250	6.300	1	51.975
Q	7.265	8.090	1	58.774
R	1.570	0.240	1	0.377
S	0.400	2.060	1	0.824
T	3.945	1.375	1	5.424
U	1.970	5.740	1	11.308
V	1.350	6.900	1	9.315
W	1.000	3.780	1	3.780
X	1.365	0.750	1	1.024
Y	0.300	4.530	1	1.359
GROSS A (TOTAL ADDITIONS)				640.296
SUBTRACTIONS				
1	2.960	5.300	1	15.688
2	1.560	0.850	1	1.326
3	1.560	1.170	1	1.825
4	1.250	2.320	1	2.900
5	1.820	0.940	1	1.711
6	2.695	2.700	3	21.830
7	1.325	0.900	1	1.193
8	1.425	1.700	1	2.423
9	1.500	2.700	1	4.050
10	1.200	0.890	1	1.068
11	1.300	1.900	1	2.470
12	1.250	2.890	1	3.613
13	2.460	3.070	1	7.552
14	0.715	1.730	1	1.237
15	0.715	2.660	1	1.902
16	0.150	1.250	1	0.188
17	0.865	1.350	1	1.168
18	2.900	6.040	1	17.516
19	1.275	0.910	1	1.160
GROSS B (TOTAL SUBTRACTIONS)				90.818
GROSS 1 (NET F.A.R OF T1)				549.479
TOTAL FAR IN TYPICAL FLOOR T1&T2				1098.957

STAIRCASE AREA CALCULATION - TOWER T1				
S.NO.	WIDTH (M)	LENGTH (M)	NOS.	AREA (SqM)
ST1				
16	0.150	1.250	1	0.188
17	0.865	1.350	1	1.168
18	2.900	6.040	1	17.516
ST2				
1	2.960	5.300	1	15.688
4	1.250	2.320	1	2.900
GROSS 2 (TOTAL ST1+ST2)				37.459
TOTAL STAIRCASE AREA IN T1&T2				74.919

FIRE LOBBY AREA CALCULATION - TOWER T1				
S.NO.	WIDTH (M)	LENGTH (M)	NOS.	AREA (SqM)
11	1.300	1.900	1	2.470
12	1.250	2.890	1	3.613
GROSS 3 (TOTAL)				6.083
TOTAL FIRE LOBBY AREA IN T1&T2				12.165

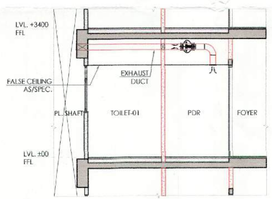
BUILT-UP AREA CALCULATION - TOWER T1	
GROSS 3	6.083
GROSS 2	37.459
GROSS 1	549.479
GROSS 4 (GROSS 1+2+3)	593.020
TOTAL BUILT-UP AREA IN T1&T2	1186.041

NON FAR AREA CALCULATION - TOWER T1	
GROSS 4	593.020
GROSS 1	549.479
TOTAL (GROSS 4 - GROSS 1)	43.542
TOTAL NON FAR AREA IN T1&T2	87.084



01 TYPICAL FLOOR PLAN (TOWER T1 & T2)

(1ST-16TH, 18TH-25TH, 27TH-34TH & 36TH-40TH) SCALE 1:100



TYPICAL MECHANICAL VENTILATION SECTION 1 FOR PDR

PLUMBING LEGEND:--

DWS	DOMESTIC WATER SUPPLY
FWS	FLUSHING WATER SUPPLY
MFT	MULTI FLOOR TRAP
FT	FLOOR TRAP
UT	URINAL TRAP
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT PLUG
COP	CLEAN OUT PLUG
BD	BALCONY DRAIN
DP	DRAIN POINT

TYPICAL MECHANICAL VENTILATIONCIRCULATION FOR PDR

S.NO.	LOCATION	AREA (SQ. FT.)	HEIGHT (FT.)	VOLUME (CU. FT.)	DESIGN CFM	SELECTED EXHAUST FAN CFM	FAN SIZE LXBXH(MM)	EXHAUST DUCT SIZE DIAMETER(MM)
1	PDR TOILET	32.00	10.00	320	100	INLINE FAN	325Ø	200x150

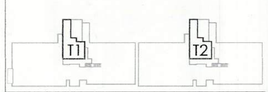
PLUMBING LEGEND:--

1	100ø/110ø SOIL PIPE
2	100ø/110ø WASTE PIPE
2a	100ø/110ø WASHING MACHINE WASTE WATER PIPE
3	100ø/110ø KITCHEN WASTE PIPE
4	75ø VENT PIPE
5	100ø/110ø RAIN WATER PIPE FOR BALCONY
6	100ø/110ø RAIN WATER PIPE FOR REFUGE TERRACE
7	150ø/160ø RAIN WATER PIPE FOR TERRACE
8	DOMESTIC WATER SUPPLY (BOOSTER) (TOP SIX FLOORS)
9	DOMESTIC HIGH ZONE WATER SUPPLY (BY GRAVITY)
9a	DOMESTIC WATER SUPPLY (BY GRAVITY) EXPRESS D/N)
10	FLUSHING WATER SUPPLY (BY GRAVITY)
10a	FLUSHING WATER SUPPLY (BY GRAVITY) EXPRESS D/N)
11	DOMESTIC WATER SUPPLY RISER FOR O.H. TANK
12	FLUSHING WATER SUPPLY RISER FOR O.H. TANK
13	75ø HVAC DRAIN PIPE

SN	FIRE FIGHTING PIPE LEGEND:--
A1	150ø FIRE HYDRANT PIPE FOR ZONE-1
A2	150ø FIRE HYDRANT PIPE FOR ZONE-2
A3	150ø FIRE HYDRANT PIPE FOR ZONE-3
A4	150ø FIRE HYDRANT PIPE FOR ZONE-4
B1	150ø SPRINKLER PIPE FOR ZONE-1
B2	150ø SPRINKLER PIPE FOR ZONE-2
B3	150ø SPRINKLER PIPE FOR ZONE-3
B4	150ø SPRINKLER PIPE FOR ZONE-4
C1	150ø SPRINKLER PIPE FOR ZONE-1 (STAND BY)
C2	150ø SPRINKLER PIPE FOR ZONE-2 (STAND BY)
C3	150ø SPRINKLER PIPE FOR ZONE-3 (STAND BY)
C4	150ø SPRINKLER PIPE FOR ZONE-4 (STAND BY)
D	80ø DRAIN PIPE
E	150ø FIRE DOWN COMER
FHC	FIRE HOSE CABINET

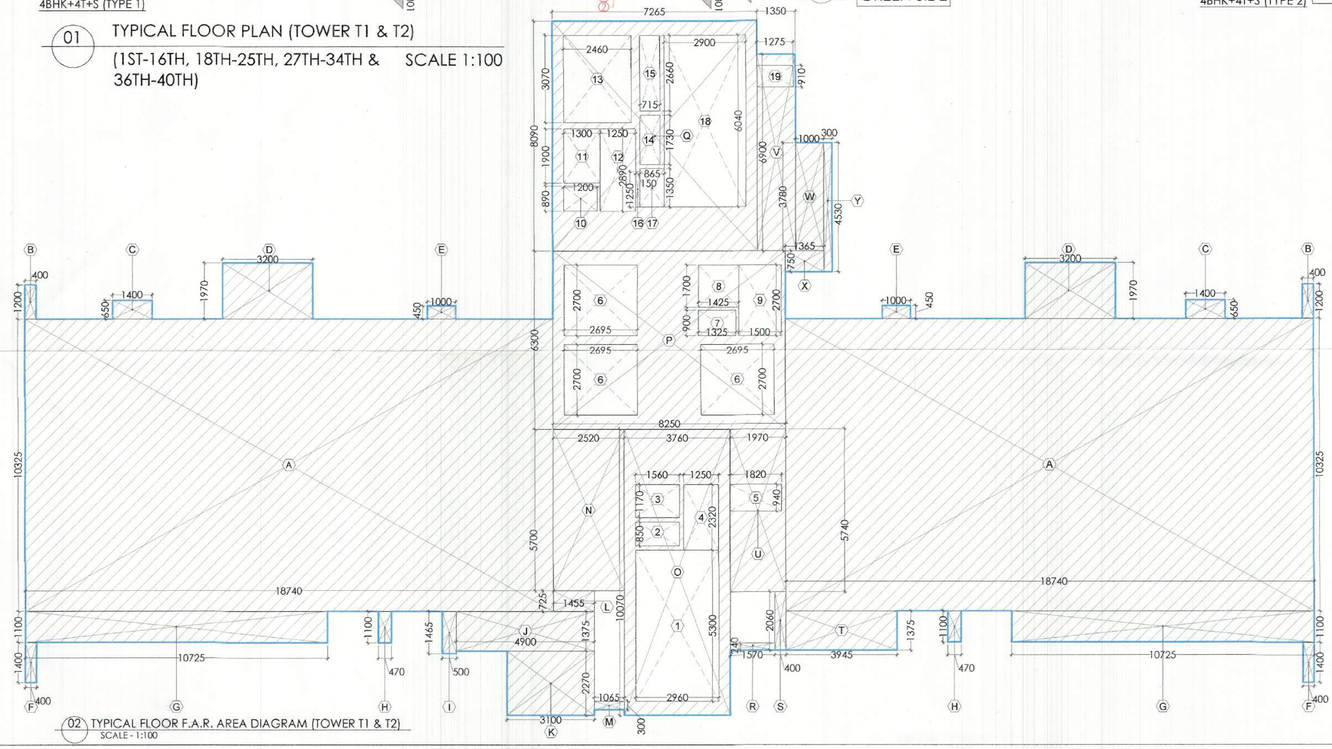
NOTES :-

- VRV System is being provided.
- Full DG power back up is being provided.
- Toilets are mechanical ventilated.
- All lifts shall have 100% power back-up.
- All electrical installations shall be as per provision of nbc.
- Fire-fighting/safety provisions will be as per relevant nbc provisions.
- Basement area shall have mechanically ventilated as per relevant code.
- All toilets are ventilated as per haryana building code 2017.
- Building has automatic sprinkler system wherever required by nbc.
- Building will be designed (structures) as per relevant i.s. codes for earthquake resistance.
- Solar panels of required capacity shall be provided on roof top as per hareda/zoning norms.
- All handicap ramps with railing.
- All fire fighting installations shall be as per provision of nbc.
- The rainwater harvesting system shall be provided as per central ground water Authority norms.



NOTES:-

- REFER DRAWING NO. AR-T1T2-201, 202 & 203 FOR ELEVATIONS
- REFER DRAWING NO. AR-T1T2-301 FOR SECTIONS
- T1 IS SIMILAR TO T2



02 TYPICAL FLOOR F.A.R. AREA DIAGRAM (TOWER T1 & T2)

SCALE - 1:100

A1 (841 X 594)

S.T.P. (HQ) Member Secretary 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) Ram Avtar Bassi JD(HQ)

JD. PA. A.T.P.

SANCTIONED TO BE READ WITH THIS OFFICE MEMO NO.: DATED:

KEY PLAN

Checked and found ok for Public Health (Internal) Service only subject to comments in forwarding letter No. 26220 dt. 22/12/2014

Superintending Engineer (HQ) for Chief Engineer (-) HSVP, Panchkula

NOTES

DOOR/ WINDOW SCHEDULE (TOWERS)

S. NO.	DOOR TAGS	WIDTH	LINTEL	CILL	LOCATION	FIRE RATINGS
		DOORS				
1	D2	1050	2400	0	Bedroom	
2	D3	900	2400	0	Kitchen	
3	D4	800	2400	0	Toilet	
4	D6	1200	2400	0	GF - H.Toilet	
5	D9	1250	2400	0	Staircase	
		EXTERNAL DOORS				
6	SD1	2400	2600	0	M. Bedroom	
7	SD2	2025	2600	0	Bedroom	
8	SD3	1800	2600	0	Bedroom	
9	SD4	2750	2600	0	Bedroom	
10	SD5	3275	2600	0	Living/Dining	
11	SD6	3570	2600	0	Living/Dining	
12	SD7	4700	2600	0	M. Bedroom	
13	SD8	3475	2600	0	M. Bedroom	
14	SD9	3200	2600	0	M. Bedroom	
15	D5	1000	2400	0	WC	
16	D7	800	2400	0	WC	
17	D8	900	2400	0	Utility	
18	DW1	2675	2400	0/1200	Kitchen	
		WINDOWS				
19	V1	600	2400	1200	Toilet	
20	W1	3075	2600	1200	M. Toilet	
21	W2	900	2400	1200	Utility/Bedroom	
22	W3	1250	2400	1200	Staircase	
23	W4	1760	2400	1200	Staircase	
24	W6	2425	2600	1200	M. Toilet	
25	W7	700	2400	1200	Bedroom	
26	W8	1550	2400	1200	Staircase	
27	AD1	750	2400	1200	Toilet	
28	GD1	1800	2400	0	GF Lift Lobby	
29	G1	5380/16750/5380	5200	0	GF Lobby	
30	G2	3725	5200	0	GF Lobby	
31	G3	4070	5200	0	GF Lobby	
32	G4	550	5200	0	GF Lobby	
33	G5	2145	5200	0	GF Lobby	
34	G6	16940	5200	0	GF Lobby	
35	G7	2275/3400	5200	0	GF Lobby	
36	G8	5380/18750/6250	5200	0	GF Lobby	
37	G9	2500	5200	0	GF Lobby	
38	G10	1500	2600	0	M. Bedroom	
39	G11	6575/12200/10860	5200	0	GF Lobby	
40	G12	600	5200	0	GF Lobby	
41	G13	4000/1050	5200	0	GF Lobby	
42	G14	6695	5200	0	GF Lobby	
43	G15	6475/2670	5200	0	GF Lobby	
		FIRE DOORS AND WINDOW				
44	FD1	1500	2400	0	Entrance Door	1Hr
45	FD2	1250	2400	0	Staircase/Fire Lobby	2Hrs
46	FD3	1000	2400	75	M.V Shaft	2Hrs
47	FD4	900	2400	75	LV Shaft	2Hrs
48	FD5	900	2400	0	Utility/Service	1Hr
49	FD6	1000	2400	0	Utility	1Hr
50	FD7	400	2400	75	AC Ref. Shaft	2Hrs
52	FW8	900	2400	1200	Staircase	2Hrs
53	FW3	1250	2400	1200	Staircase	2Hrs
54	FW4	1760	2400	1200	Staircase	2Hrs
55	FHD1	900	2400	75	FHC Shaft	
56	FHD2	1200	2400	75	FHC Shaft	

CLIENT
Birla Estates Pvt. Ltd. in collaboration with Barmalt India Pvt. Ltd.

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Skeleton Consultants Pvt. Ltd.
2nd Floor, A-75, Sector 5, Noida, Uttar Pradesh-201301

GEO TECHNICAL CONSULTANT
Cengrs Geotechnica Pvt. Ltd.
A-100, Sector 63, Noida, Uttar Pradesh- 201309

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ARCHITECTS
Arcop Associates Pvt. Ltd.
Plot- 368, Sec-32, Gurgaon-122001
Ph.: 26242050, 26242169
Montreal, Toronto, New-Delhi, Boston

DDTP (HQ) Member BPAC

PROJECT
REVISED BUILDING PLAN OF GROUP HOUSING COLONY LICENCE NO 116 of 2011 AREA MEASURING 13.275 ACRES IN SECTOR-31 - 32A, GURGAON BEING DEVELOPED BY BIRLA ESTATES PVT LTD IN COLLABORATION WITH M/S BARMALT INDIA PVT. LTD.

ARCHITECTS SIGNATURE
Ashu, Architect
Council of Architecture
Registration No.- C/7000740332

For BIRLA ESTATES PVT. LTD.
Authorized Signatory

OWNER'S SIGNATURE

DRAWING TITLE
GROUP HOUSING COLONY [TOWER-T1&T2]
TYPICAL FLOOR PLAN & AREA CALCULATIONS

DRAWING NO.
AR-T1T2-103