

REFUGE FLOOR (F.A.R.) - TOWER T3				
S.NO.	WIDTH (M)	LENGTH (M)	NOS.	AREA (SqM)
A	18.740	10.325	2	386.981
B	0.400	1.200	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	0.400	1.400	2	1.120
G	10.725	1.100	2	23.595
H	0.470	1.100	2	1.034
I	3.945	1.375	1	5.424
J	1.970	9.325	1	18.370
K	3.760	10.070	1	37.863
L	1.065	0.300	1	0.320
M	3.100	3.645	1	11.300
N	1.455	0.725	1	1.055
O	2.520	5.700	1	14.364
P	8.250	6.300	1	51.975
Q	7.265	8.090	1	58.774
R	1.350	3.120	1	4.212
S	2.650	3.780	1	10.017
T	1.665	0.750	1	1.249
U	1.800	1.375	1	2.475
V	0.500	1.465	1	0.733
W	1.800	0.150	1	0.270
GROSS A (TOTAL ADDITIONS)				647.418
SUBTRACTIONS				
1	2.960	5.300	1	15.688
2	1.560	1.000	1	1.560
3	1.560	1.020	1	1.591
4	1.250	0.670	1	0.838
5	1.070	1.150	1	1.231
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	2.440	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
20	0.600	1.150	1	0.690
21	1.570	1.275	1	2.002
22	0.450	0.375	2	0.338
GROSS B (TOTAL SUBTRACTIONS)				91.304
GROSS 1 (NET F.A.R.)				556.114

REFUGE TERRACE CARPET AREA - TOWER T3				
S.NO.	WIDTH (M)	LENGTH (M)	NOS.	AREA (SqM)
A	5.375	1.650	1	8.869
B	8.915	1.950	1	17.384
C	1.200	3.140	1	3.768
TOTAL AREA				30.021

STAIRCASE AREA CALCULATION - TOWER T3				
S.NO.	WIDTH (M)	LENGTH (M)	NOS.	AREA (SqM)
ST1	16	0.150	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	15.688
4	1.250	0.670	1	0.838
GROSS 2 (TOTAL ST1+ST2)				35.397

FIRE LOBBY AREA CALCULATION - TOWER T3				
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

BUILT-UP AREA CALCULATION - TOWER T3				
GROSS 3				6.083
GROSS 2				35.397
GROSS 1				556.114
GROSS 4 (GROSS 1+2+3)				597.593

NON FAR AREA CALCULATION - TOWER T3				
GROSS 4				597.593
GROSS 1				556.114
TOTAL (GROSS 4 - GROSS 1)				41.479

PLUMBING LEGEND:-	
DWS	DOMESTIC WATER SUPPLY
FWS	FLUSHING WATER SUPPLY
MFT	MULTI FLOOR TRAP
FT	FLOOR TRAP
UT	URINAL TRAP
FD	FLOOR DRAIN
FCD	FLOOR CLEAN OUT PLUG
COP	CLEAN OUT PLUG
BD	BALCONY DRAIN
DP	DRAIN POINT

PLUMBING LEGEND:-	
1	100mm/110mm SOIL PIPE
2	100mm/110mm WASTE PIPE
2a	100mm/110mm WASHING MACHINE WASTE WATER PIPE
3	100mm/110mm KITCHEN WASTE PIPE
4	75mm VENT PIPE
5	100mm/110mm RAIN WATER PIPE FOR BALCONY
6	100mm/110mm RAIN WATER PIPE FOR REFUGE TERRACE
7	150mm/160mm 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	75mm HVAC DRAIN PIPE

17TH, 26TH & 35TH FLOOR REFUGE AREA:

GROSS AREA (TOWER 3) = 598.850 SQ. M.

OCCUPANTS LOAD FACTOR (RESIDENTIAL) = 12.5 SQ. M./PERSON

NO. OF PERSONS (GROSS AREA OF 2 FLOORS/ OCCUPANT LOAD) = (598.850 X 2) / 12.5

= 95.816 ~ 96

REQUIRED REFUGE AREA PER FLOOR (NO. OF PERSONS X 0.3 + 0.9 (FOR EVERY 200 PERSONS)) = (96 X 0.3) + 0.9

= 29.700 SQ. M. (PER FLOOR)

TOTAL REFUGE AREA REQUIRED = (29.700) SQ. M.

PROPOSED REFUGE AREA = (30.021) SQ. M.

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

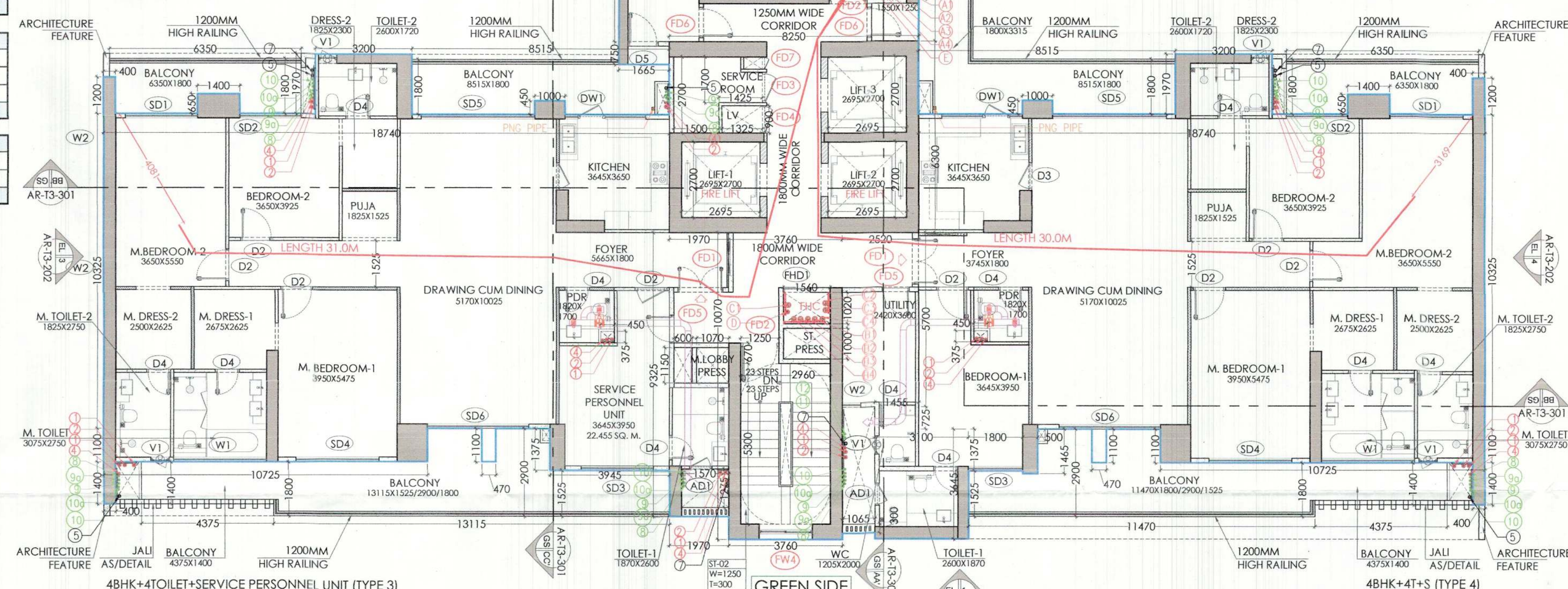
- NOTES:-**
- VRV System is being provided.
 - Full DG power back up is being provided.
 - Toilets are mechanical ventilated.
 - All lifts shall have 100% power back-up.
 - All electrical installations shall be as per provision of nbc.
 - Fire-fighting/safety provisions will be as per relevant nbc provisions.
 - Basement areas 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.



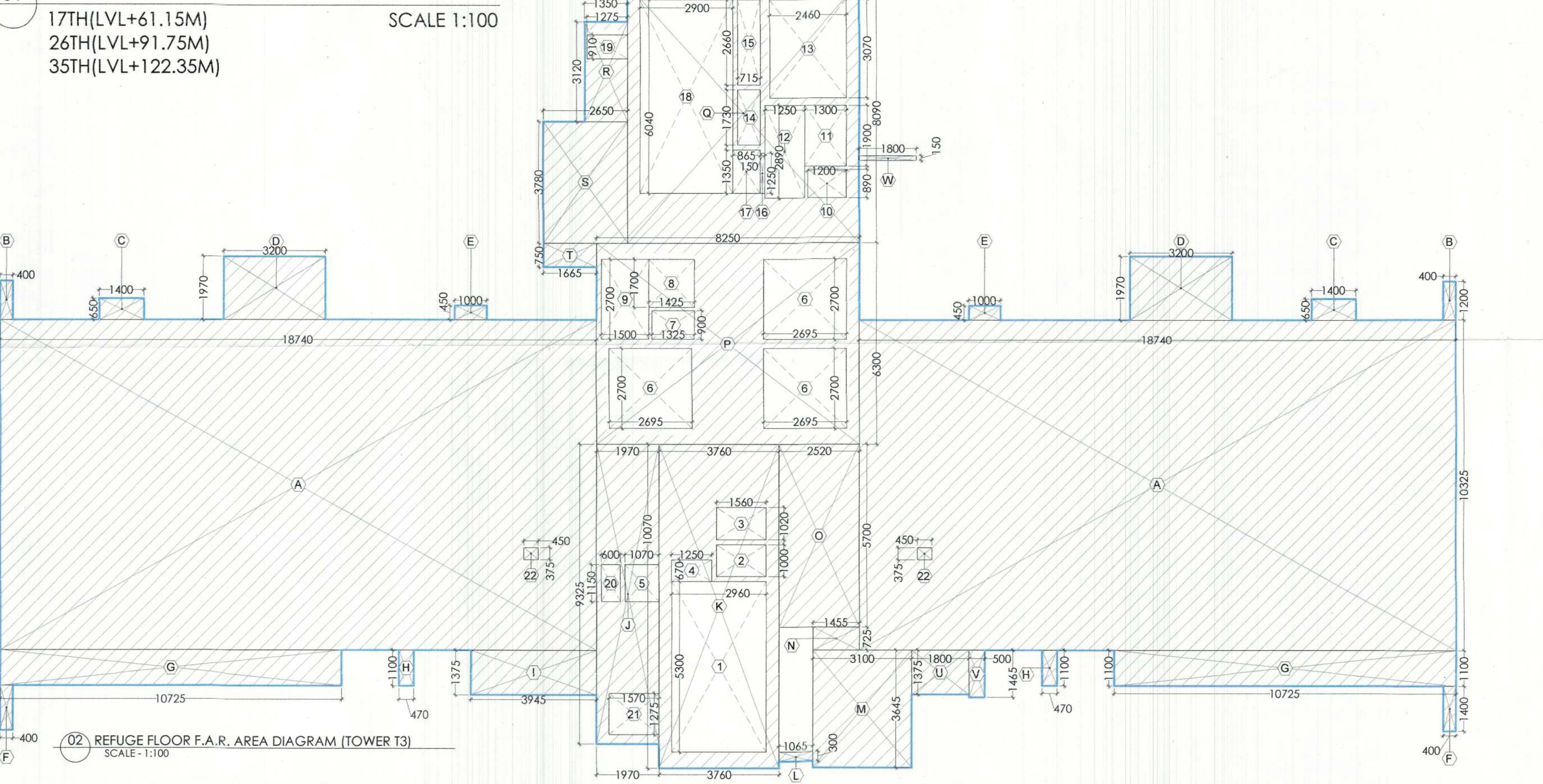
NOTES:-

- REFER DRAWING NO. AR-T3-201 & 202 FOR ELEVATIONS
- REFER DRAWING NO. AR-T3-301 FOR SECTIONS

03 REFUGE TERRACE (TOWER T3)
CARPET AREA DIAGRAM
SCALE 1:100



01 REFUGE FLOOR PLAN (TOWER T3)
17TH (LVL+61.15M)
26TH (LVL+91.75M)
35TH (LVL+122.35M)
SCALE 1:100



02 REFUGE FLOOR F.A.R. AREA DIAGRAM (TOWER T3)
SCALE 1:100

TO BE READ WITH THIS OFFICE
MEMO NO. 104
DATED: 10/01/2024

ROAD SIDE

AR-T3-201
EL. 2

Usham
S.T.P. (HQ)
Member Secretary
B.P.A.C.

S.T.P. (G)
Member
B.P.A.C.

C.T.U. (HQ)
Chairman
B.P.A.C.

ATP (HQ)

Ram Avtar Bassi
JD (HQ)

KEY PLAN
Checked and found ok for Public Health
(Noted) (Noted) only subject to comments in
in forwarding letter No. 281/242 on 28/11/2024

Superintending Engineer (HQ)
for Chief Engineer
M.V.P. Panchkula

NOTES

DOOR/ WINDOW SCHEDULE (TOWERS)		DOORS		LOCATIONS		FIRE RATINGS	
S. NO.	DOOR TAGS	WIDTH	HEIGHT	LOCATIONS	FIRE RATINGS	DOORS	LOCATIONS
1	D2	1050	2400	0	Bedroom		
2	D3	900	2400	0	Kitchen		
3	D4	800	2400	0	Toilet		
4	D5	1200	2400	0	GF Lobby		
5	D9	1250	2400	0	Staircase		
EXTERNAL DOORS							
6	SD1	2400	2400	0	M. Bedroom		
7	SD2	2025	2400	0	Bedroom		
8	SD3	1800	2400	0	Bedroom		
9	SD4	2750	2400	0	Bedroom		
10	SD5	3700	2400	0	Living/Dining		
11	SD6	3370	2400	0	M. Bedroom		
12	SD7	4700	2400	0	M. Bedroom		
13	SD8	3475	2400	0	M. Bedroom		
14	SD9	3200	2400	0	M. Bedroom		
15	SD10	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	W1	600	2400	1200	Islet		
20	W2	3075	2400	1200	M. Islet		
21	W3	900	2400	1200	Utility/Bedroom		
22	W4	1250	2400	1200	Staircase		
23	W5	1760	2400	1200	Staircase		
24	W6	2625	2400	1200	GF Lobby		
25	W7	700	2400	1200	Bedroom		
26	W8	1550	2400	1200	Staircase		
27	AD1	750	2400	1200	Islet		
28	GD1	1800	2400	0	GF Lobby		
29	G1	5000/14750/5000	5000	0	GF Lobby		
30	G2	2725	5000	0	GF Lobby		
31	G3	4070	5000	0	GF Lobby		
32	G4	550	5000	0	GF Lobby		
33	G5	2145	5000	0	GF Lobby		
34	G6	16940	5000	0	GF Lobby		
35	G7	2275/3400	5000	0	GF Lobby		
36	G8	5000/7875/5000	5000	0	GF Lobby		
37	G9	2900	5000	0	GF Lobby		
38	G10	1800	2400	0	M. Bedroom		
39	G11	6575/1200/10660	5000	0	GF Lobby		
40	G12	400	5000	0	GF Lobby		
41	G13	4000/1050	5000	0	GF Lobby		
42	G14	4695	5000	0	GF Lobby		
43	G15	6475/2400	5000	0	GF Lobby		
FIRE DOORS AND WINDOW							
44	FD1	1500	2400	0	GF Lobby		
45	FD2	1250	2400	0	GF Lobby		
46	FD3	10					