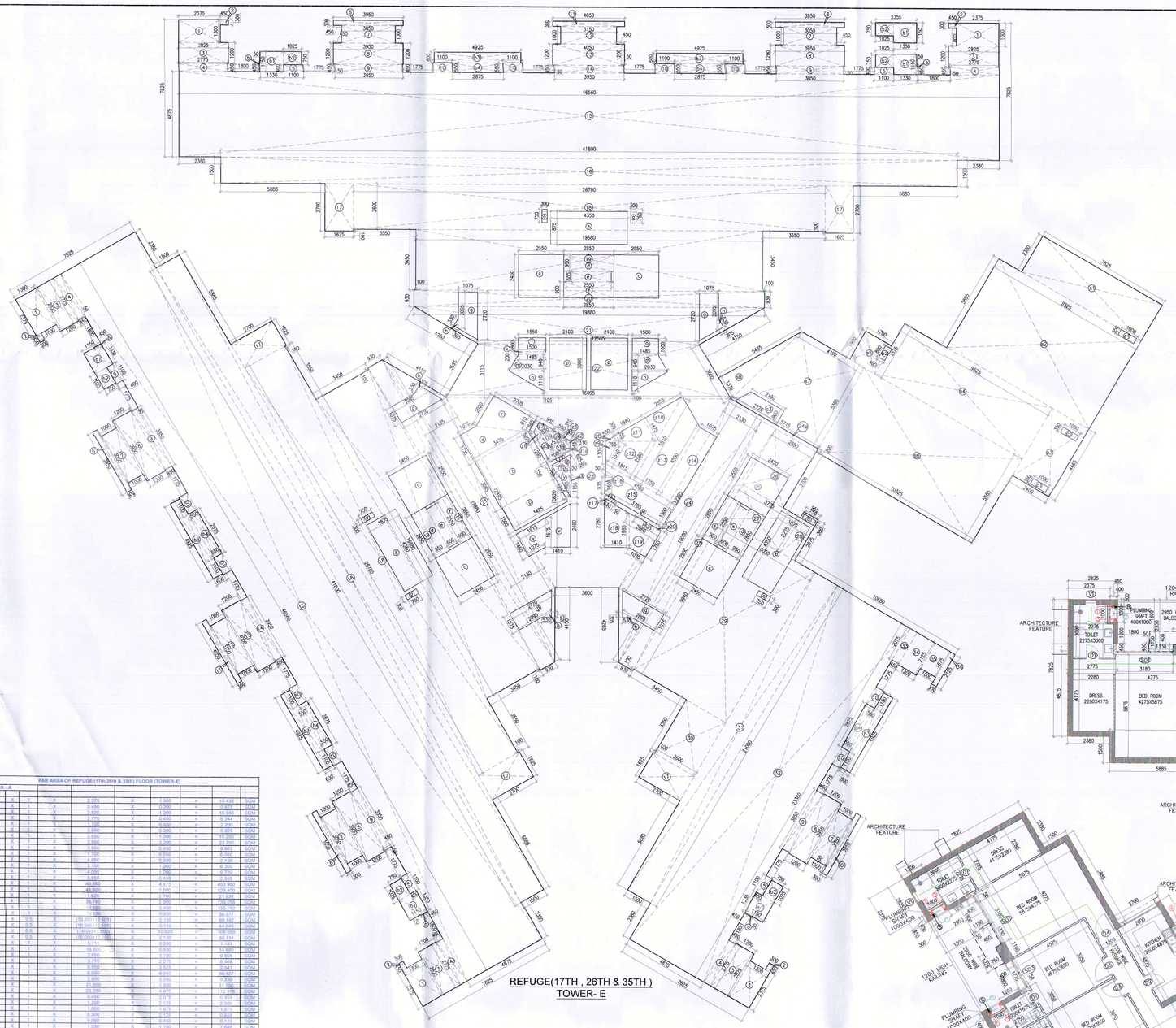
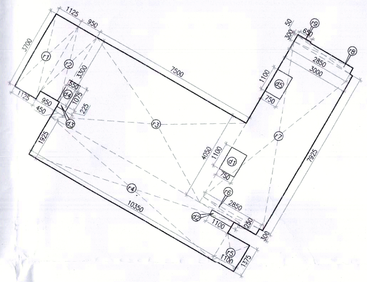


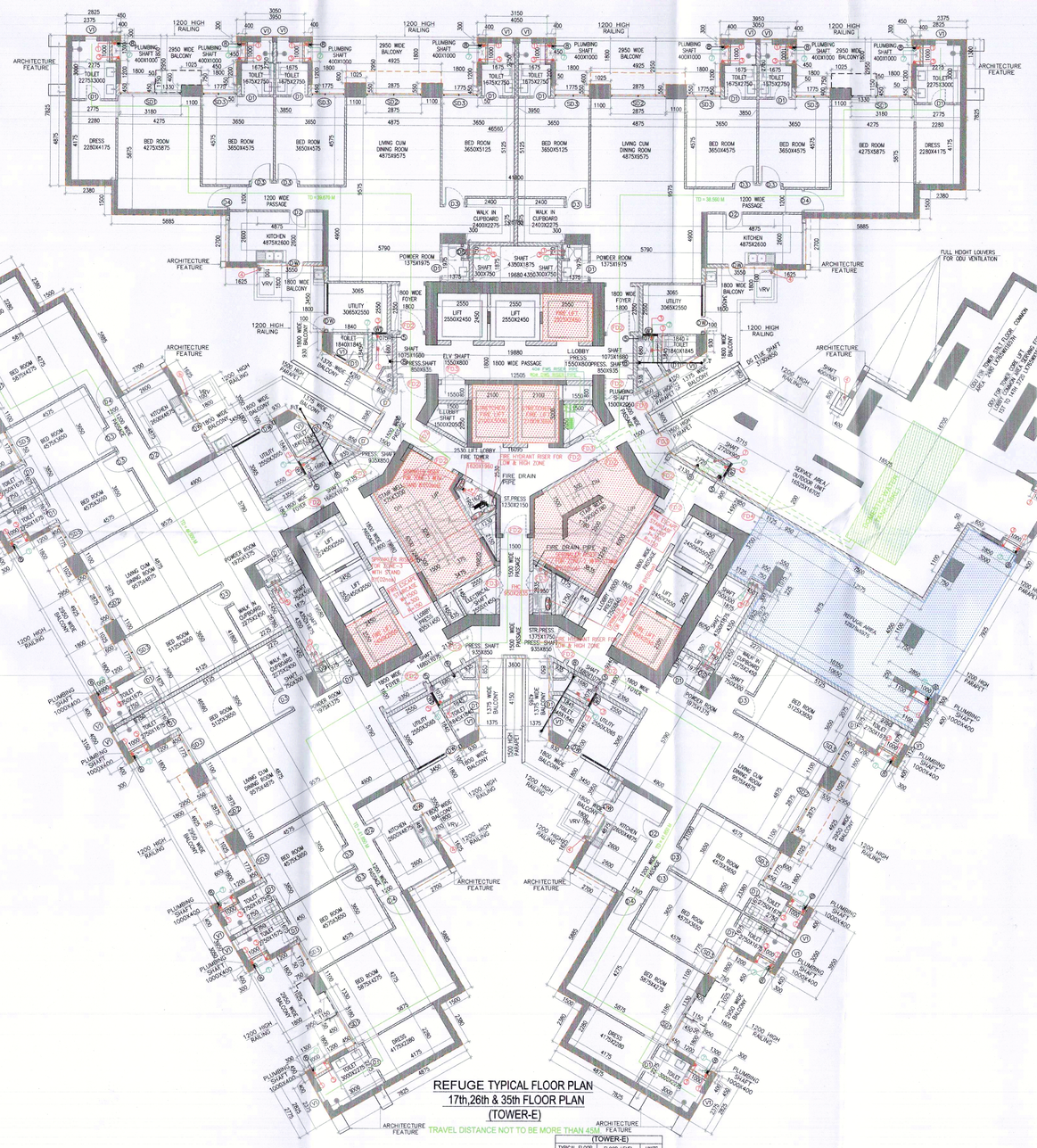
REFUGE(17TH , 26TH & 35TH)
TOWER- E



REFUGE AREA CALCULATION OF 17TH , 26TH & 35TH FLOOR
(TOWER-E)

REFUGE AREA CALCULATION - 17TH ,26TH & 35TH REFUGEFLOOR (TOWER-E)

GROSS – A								-	
r1	=	1	X	1.125	X	3.700	=	4.163	SQM
r2	=	1	X	0.950	X	3.300	=	3.135	SQM
r3	=	1	X	7.900	X	4.050	=	30.375	SQM
r4	=	1	X	1.925	X	9.250	=	17.806	SQM
r5	=	1	X	1.100	X	1.375	=	1.513	SQM
r6	=	1	X	2.850	X	0.300	=	0.855	SQM
r7	=	1	X	7.925	X	3.000	=	23.775	SQM
r8	=	1	X	0.300	X	2.850	=	0.855	SQM
r9	=	1	X	0.050	X	0.650	=	0.033	SQM
						TOTAL	=	82.509	SQM
GROSS – B									
r1	=	1	X	0.750	X	1.100	=	0.825	SQM
r2	=	1	X	0.250	X	1.100	=	0.275	SQM
r3	=	1	X	0.450	X	0.225	=	0.101	SQM
r4	=	1	X	0.950	X	1.075	=	0.991	SQM
r5	=	1	X	0.750	X	1.100	=	0.825	SQM
						TOTAL	=	2.018	SQM
TOTAL REFUGE AREA	=	GROSS – A	-	GROSS – B					
	=	82.509	-	2.018	SQM				
TOTAL	=	79.991	SQM						
GROSS AREA OF REFUGE 17TH,26TH,35TH FLOOR (TOWER -E)	=	1626.228	SQM						
GROSS AREA OF TYPICAL FLOOR 18TH,27TH,36TH (TOWER - E)	=	1647.004	SQM						
TOTAL	=	3273.229	SQM						
REFUGE AREA REQUIRED	=	(3273.229X0.3)/12.5	=	0.90(ADDITIONAL SPACE TO ACCOMMODATE WHEEL CHAIR SPACE @0.5 SQM PER 200 POPULATION)					
	=	78.957	+	0.9					
	=	79.457	SQM						
REFUGE AREA PROVIDED	=	79.991	SQM						



REFUGE TYPICAL FLOOR PLAN
17th,26th & 35th FLOOR PLAN
(TOWER-E)

TRAVEL DISTANCE NOT TO BE MORE THAN 45M

(TOWER-E)			
TYPICAL FLOOR	FLOOR LEVEL	UNITS	
17th FLOOR	+51400	5	
26th FLOOR	+82200	5	
35th FLOOR	+113000	5	
	TOTAL UNITS =	15	

FAR AREA OF REFUGE (17th,26th & 35th) FLOOR (TOWER-E)

GROSS – A									
r1	=	1	X	0.250	X	0.350	=	0.088	SQM
r2	=	1	X	0.950	X	3.300	=	3.135	SQM
r3	=	1	X	7.900	X	4.050	=	30.375	SQM
r4	=	1	X	1.925	X	9.250	=	17.806	SQM
r5	=	1	X	1.100	X	1.375	=	1.513	SQM
r6	=	1	X	2.850	X	0.300	=	0.855	SQM
r7	=	1	X	7.925	X	3.000	=	23.775	SQM
r8	=	1	X	0.300	X	2.850	=	0.855	SQM
r9	=	1	X	0.050	X	0.650	=	0.033	SQM
						TOTAL	=	79.391	SQM
GROSS – B									
r1	=	1	X	0.750	X	1.100	=	0.825	SQM
r2	=	1	X	0.250	X	1.100	=	0.275	SQM
r3	=	1	X	0.450	X	0.225	=	0.101	SQM
r4	=	1	X	0.950	X	1.075	=	0.991	SQM
r5	=	1	X	0.750	X	1.100	=	0.825	SQM
						TOTAL	=	2.018	SQM
TOTAL FAR AREA OF REFUGE FLOOR (TOWER-E)	=	GROSS – A	-	GROSS – B					
	=	1626.228	-	154.865	SQM				
		TOTAL	=	1393.709	SQM				

SERVICE AREA REFUGE(17th,26th & 35th)

GROSS – I									
r1	=	1	X	2.850	X	0.350	=	0.998	SQM
r2	=	1	X	1.750	X	3.300	=	5.775	SQM
r3	=	1	X	1.400	X	4.050	=	5.670	SQM
r4	=	1	X	0.400	X	1.300	=	0.520	SQM
r5	=	1	X	2.300	X	1.300	=	2.990	SQM
r6	=	1	X	2.300	X	1.475	=	3.393	SQM
r7	=	1	X	1.475	X	1.300	=	1.918	SQM
r8	=	1	X	1.400	X	1.300	=	1.820	SQM
r9	=	1	X	1.400	X	1.300	=	1.820	SQM
						TOTAL	=	31.814	SQM

SERVICE AREA REFUGE(17th,26th & 35th)

GROSS – I									
r1	=	1	X	2.850	X	0.350	=	0.998	SQM
r2	=	1	X	1.750	X	3.300	=	5.775	SQM
r3	=	1	X	1.400	X	4.050	=	5.670	SQM
r4	=	1	X	0.400	X	1.300	=	0.520	SQM
r5	=	1	X	2.300	X	1.300	=	2.990	SQM
r6	=	1	X	2.300	X	1.475	=	3.393	SQM
r7	=	1	X	1.475	X	1.300	=	1.918	SQM
r8	=	1	X	1.400	X	1.300	=	1.820	SQM
r9	=	1	X	1.400	X	1.300	=	1.820	SQM
						TOTAL	=	31.814	SQM

SERVICE AREA(REFUGE) GROSS – J

r1	=	1	X	1.400	X	0.350	=	0.490	SQM
r2	=	1	X	1.400	X	0.350	=	0.490	SQM
r3	=	1	X	1.400	X	2.100	=	2.940	SQM
						TOTAL	=	3.920	SQM

SERVICE AREA(REFUGE FLOOR(17th,26th & 35th) TOWER-E)

								GROSS – J	
								3.920	SQM
TOTAL BUILT UP AREA OF REFUGE(17th,26th & 35th) TOWER- E	=	FAR AREA	+	GROSS – I	+	GROSS – J			
	=	1393.709	+	31.814	+	394.117			
	TOTAL	1649.241	SQM						

LEGEND :-		
	1	160Ø uPVC SOIL, D/T PIPE
	2	110Ø uPVC WASTE D/T PIPE
	3	110Ø uPVC ANTISYPHONE PIPE
	4	110Ø uPVC KITCHEN WASTE PIPE
	5	160Ø uPVC RAIN WATER DOWNTAKE PIPE
	6	DOMESTIC WATER SUPPLY DOWNTAKE PIPE
	7	FLUSHING WATER SUPPLY DOWNTAKE PIPE
	8	110Ø uPVC BALCONY DRAIN PIPE
	9	110Ø uPVC CONDENSATE DRAIN PIPE
	P.T.	P' TRAP
	M.N.T.	MULTI NAHANI TRAP
		BASIN OUTLET
	A	110Ø uPVC SOIL PIPE
	B	110Ø uPVC WASTE PIPE
	C	50Ø uPVC WASTE PIPE
	D	80Ø uPVC KITCHEN SINK & WASH BASIN OUTLET PIPE

PIPE SLEEVE LEGEND :-	
S1	150Ø SLEEVE FOR SOIL & WASTE PIPE AT 50MM ABOVE FROM TOILET SUNK
S2	100Ø SLEEVE FOR WATER SUPPLY PIPE AT 50MM ABOVE FROM TOILET SUNK

SCHEDULE OF OPENINGS ON FLOOR

S.No	TYPE	WIDTH	HEIGHT	SILL HT.	FIRE FLOOR	FIRE RATING	MATERIAL
1.	DW	2875	5000	–		–	ALUMINUM GLASS
2.	DW1	19280	5000	–		–	ALUMINUM GLASS
3.	D1	900	2400	–		–	WOODEN
4.	D2	1050	2400	–		–	WOODEN
5.	D3	1200	2400	–		–	WOODEN
6.	D4	1250	2400	–		–	WOODEN
7.	D5	1500	2400	–		–	WOODEN
8.	D6	1800	2400	–		–	WOODEN
9.	D7	2000	2400	–		–	WOODEN
10.	GL	1500	4800	–		–	ALUMINUM GLASS
11.	GL1	1550	4800	–		–	ALUMINUM GLASS
12.	GL2	1725	5000	–		–	ALUMINUM GLASS
13.	GL3	1775	5000	–		–	ALUMINUM GLASS
14.	GL4	2400	5000	–		–	ALUMINUM GLASS
15.	GL5	2875	5700	–		–	ALUMINUM GLASS
16.	GL6	3050	5700	–		–	ALUMINUM GLASS
17.	GL7	4000	5000	–		–	ALUMINUM GLASS
18.	GL8	4680	5700	–		–	ALUMINUM GLASS
19.	GL9	5655	5000	–		–	ALUMINUM GLASS
20.	GL10	5875	5700	–		–	ALUMINUM GLASS
21.	W1	750	2400	900		–	–
1.	FD	1200	2400	–		2 HRS	AS SPECIFIED
2.	FD1	1200	2400	–		2 HRS	AS SPECIFIED FIRE TOWER
3.	FD2	1250	2100	–		2 HRS	AS SPECIFIED FIRE TOWER
4.	FD3	1200	2100	–		2 HRS	AS SPECIFIED FIRE TOWER
5.	FD4	1500	2400	–		2 HRS	AS SPECIFIED FIRE TOWER

Note :-

1. BUILDING WILL BE DESIGNED (STRUCTURES) AS PER RELEVENT IS CODES FOR EARTH QUAKE RESISTANCE.
2. THE BUILDING IS ARTIFICALLY LIT AND MECHANICALLY VENTILATED.

LEGEND: –

PROJECT :

REVISED BUILDING PLANS OF GROUP HOUSING COLONY AREA MEASURING 25.087 ACRES (LICENCE NO. 123 OF 2012 DATED 20-12-2012 IN SECTOR-63, GURGAON BEING DEVELOPED BY ARLIE BUILDERS & DEVELOPERS PVT. LTD. AND OTHERS IN COLLABORATION WITH DLF HOME DEVELOPERS LTD(EARLIER KNOWN AS DLF NEW GURGAON HOME DEVELOPERS PVT.LTD)

ARCHITECTURE:
ARCOP
ARCOP ASSOCIATES PVT LTD
Plot No. 36B, Sector-32, Intitutional Area,
Gurugram. Haryana. 122001. India
Tel.: 91-124-4595500
91-124-4595550
Fax: 91-124-4595550

TO BE READ WITH THIS OFFICE MEMO NO. 2097 DATED: 20-01-2023

D.D.(HQ) STP (HQ) Senior Secretary B.P.A.C. | SE/Dir.(HQ) STP (HQ) Member B.P.A.C. | Chairman B.P.A.C.

JD. | DD(T) MEMBER BPAC | A.T.P.

Building plans have been checked and found in order as per Public Health Services point of view.

EE(HQ) GMDA | EE(HQ) GMDA | SE(HQ) GMDA

ATP(HQ) | EE(HQ) Officiating Infra-II GMDA | CE(Infra-II) GMDA

Ram Avtar Bassi JD(HQ)

ARCHITECT'S SEAL & SIGNATURE	OWNER'S SEAL & SIGNATURE
PRATEEK BHATNAGAR ARCHITECT M.C.A., A.I.I.A. Registration No.: CA/2005/32077 A-1/4795	DLF Home Developers Limited Authorised Signatory

JAN.–2023. | Scale : 1:100

Drawing Title:–
REFUGE FLOOR PLAN & AREA CALCULATION TOWER-E

Drawing No:–
TE-04