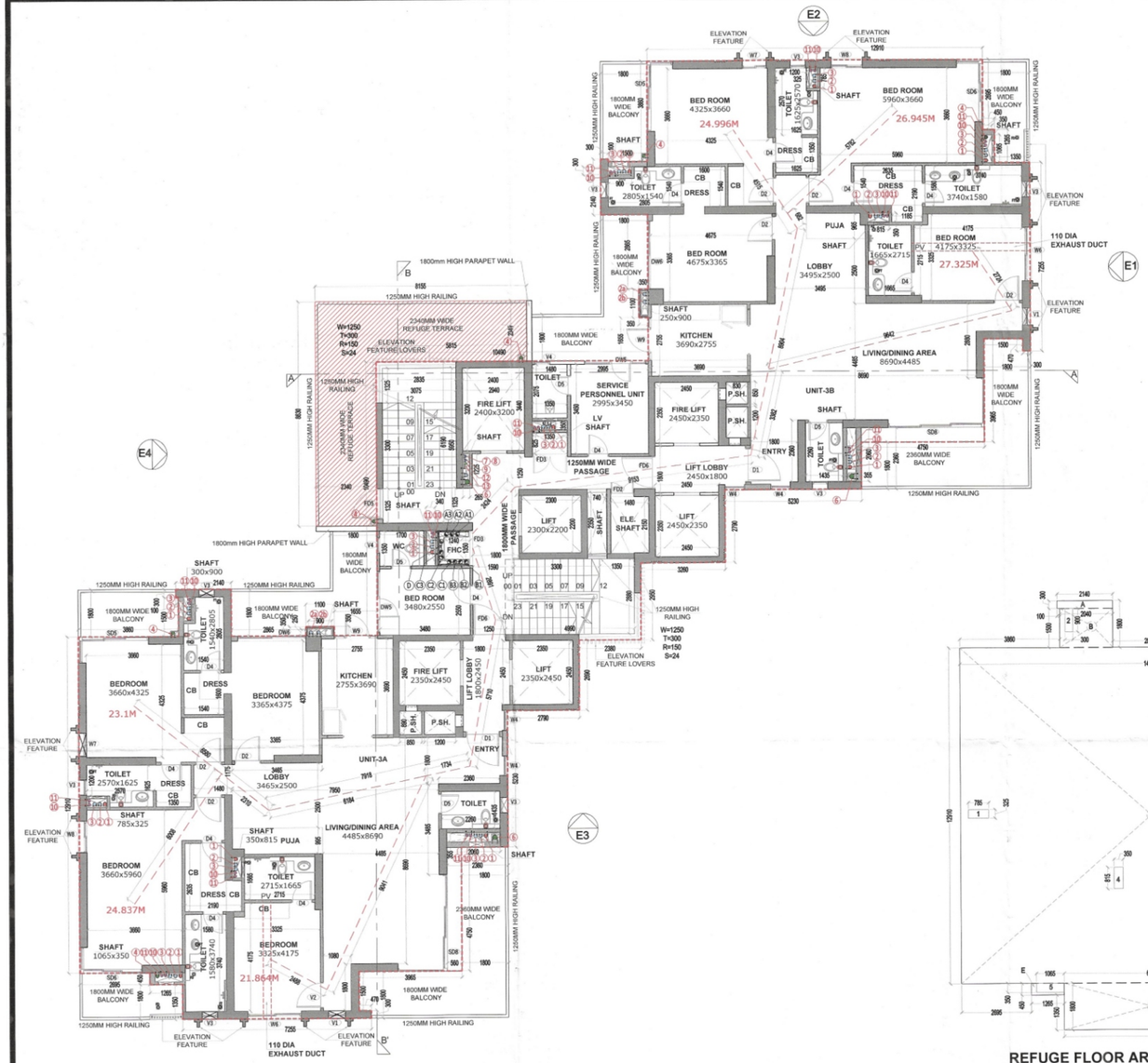
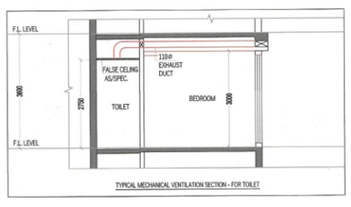


REFUGE FLOOR PLAN
(16TH. 25TH. 33RD. & 41ST.)
(TOWER-3 & 4)

16TH FLOOR LVL.+ 61.0M
25TH FLOOR LVL.+ 93.4M
33TH FLOOR LVL.+ 122.2M
41TH FLOOR LVL.+ 151.0M

TYPICAL MECHANICAL VENTILATION CALCULATION FOR W.C.

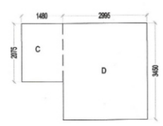
S.NO.	LOCATION	AREA (SQ.FT.)	HEIGHT (FT.)	VOLUME (CU.FT.)	DESIGN CFM CFM	SECECTED EXHAUST FAN (L/s)(m³/h)	FAN SIZE DIAMETER (mm)	EXHAUST DUCT SIZE
1	TYPICAL MECHANICAL VENTILATION FOR WC							
1.1	TOILET	43	9.2	395	79	1 # 100 CFM CASSETTE IN LINE FAN	270x270x171	110 (OD)



TYPICAL MECHANICAL VENTILATION SECTION - FOR TOILET

SERVICE PERSONNEL UNIT CARPET AREA DETAIL

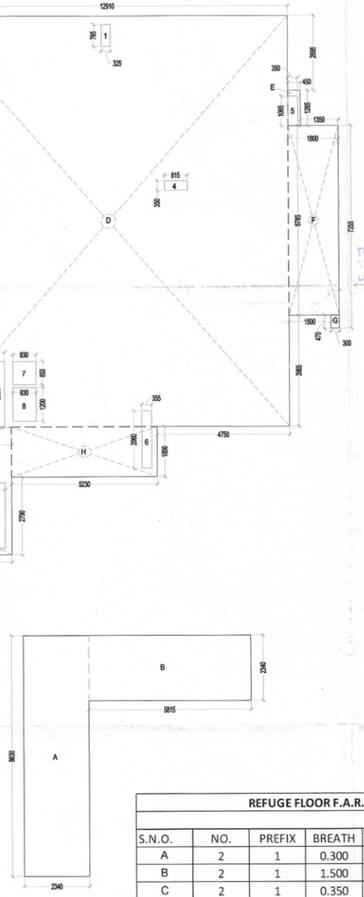
S.NO.	NO.	PREFIX	BREATH	LENGTH	AREA
ADDITIONS					
C	1	1	1.480	2.075	3.071
D	1	1	2.995	3.450	10.333
ADDITIONS					13.404
TOTAL CARPET AREA					13.404



SERVICE PERSONNEL UNIT CARPET AREA DIAGRAM

REQUIRED REFUGE TERRACE AREA
= (TYP. FL. AREA X 2)/12.5)X0.3) + 0.9 SQ. MTS.
= (480.896x2)/12.5)X0.3) + 0.9 SQ. MTS.
= (961.792)/12.5)X0.3) + 0.9 SQ. MTS.
= (76.943X0.3) + 0.9 SQ. MTS.
= 23.083 + 0.9 SQ. MTS.
= 23.983 SQ. MTS.

REFUGE FLOOR AREA DIAGRAM



REFUGE TERRACE AREA DIAGRAM

REFUGE TERRACE AREA DETAIL

S.NO.	NO.	PREFIX	BREATH	LENGTH	AREA
A	1	1	2.340	8.630	20.194
B	1	1	5.815	2.340	13.607
TOTAL ADDITION					33.801

REFUGE FLOOR F.A.R.

S.NO.	NO.	PREFIX	BREATH	LENGTH	AREA
A	2	1	0.300	2.140	1.284
B	2	1	1.500	2.040	6.120
C	2	1	0.350	1.100	0.770
D	2	1	12.910	14.710	379.812
E	2	1	0.450	1.265	1.139
F	2	1	1.800	6.785	24.426
G	2	1	0.300	0.470	0.282
H	1	1	5.230	1.800	9.414
I	1	1	10.490	3.190	33.463
J	1	1	13.420	4.590	61.598
K	1	1	2.380	2.950	7.021
L	1	1	7.780	2.710	21.084
M	1	1	2.790	2.930	8.175
N	1	1	1.800	8.160	14.688
TOTAL ADDITION					569.275
SUBTRACTIONS					
S.NO.	NO.	PREFIX	BREATH	LENGTH	AREA
1	2	1	0.325	0.785	0.510
2	2	1	0.900	0.300	0.540
3	2	1	0.250	0.900	0.450
4	2	1	0.815	0.350	0.571
5	2	1	0.350	1.065	0.746
6	2	1	0.355	2.060	1.463
7	1	1	0.830	0.850	0.706
8	1	1	0.830	1.200	0.996
9	4	1	2.450	2.350	23.030
10	1	1	1.480	2.150	3.182
11	1	1	0.740	2.350	1.739
12	1	1	2.300	2.200	5.060
13	1	1	1.350	0.825	1.114
14	1	1	1.350	0.350	0.473
15	1	1	2.940	3.440	10.114
16	1	1	3.075	6.190	19.034
17	1	1	0.340	1.350	0.459
18	1	1	1.240	1.350	1.674
19	1	1	4.990	2.880	14.371
20	1	1	1.200	0.890	1.068
21	1	1	0.850	0.890	0.757
22	1	1	0.265	1.225	0.325
TOTAL SUBTRACTION					88.379
TOTAL REFUGE FLOOR F.A.R.					480.896

This is a "PROVISIONAL BUILDING PLAN" approved only for the purpose of inviting Objections from the general public

S.T.P. (HQ) Member Secretary B.P.A.C. — S.T.P. (G) Member B.P.A.C. — S.T.P.(HR.) Chairman B.P.A.C.

D.T.P(HQ) — A.T.P(HQ)

JD. — P.A. — A.T.P

JDA (T) MEMBER BPAC

DINESH KUMAR PA(HQ)

TO BE READ WITH THIS OFFICE LETTER DATED

DOORS & WINDOWS SCHEDULE

RMK.	WIDTH	HEIGHT	CILL LVL.	LINTEL LVL.
FD6	1250	2400	——	2400
D1	1300	2400	——	2400
D2	1000	2400	——	2400
D4	800	2400	——	2400
D5	750	2400	——	2400
DW4	1390	2400	1200	2400
DW5	1350	2400	1200	2400
SD4	5610	2990	00	2990
SD5	3660	2990	00	2990
SD6	3345	2990	00	2990
SD7	2625	2990	00	2990
FD5	1165	2400	00	2400
D6	1165	2400	00	2400
FD2	910	2400	00	2400
FD3	1870	2400	00	2400
FD4	1350	2400	00	2400
W6	2050	2690	150	2840
W2	1200	2690	150	2840
W7	900	2690	150	2840
W4	750	2690	150	2840
W5	1165	2690	150	2840
W8	1200	2690	150	2840
W11	650	2690	150	2840
V3	585	2690	150	2840
V4	585	1640	1200	2840

NOTES:-
- FD,FD1,FD2,FD3 ARE 2HR FIRE RATED AND D1 ARE 1 HR FIRE RATED DOOR.
- ALL INTERNAL AND EXTERNAL WALLS ARE R.C.C.

STRUCTURAL MEMBER

NON STRUCTURAL MEMBER
- ALL INTERNAL WALLS ARE OF 100mm AND EXTERNAL WALLS 150mm NON STRUCTURAL
- P.SH. STANDS FOR PRESSURIZATION
- SH. STANDS FOR SHAFT
- ELE. SHAFT STANDS FOR ELECTRICAL SHAFT

PROJECT:-
REVISED BUILDING PLAN OF GROUP HOUSING COLONY AREA MEASURING 9.1405 ACRES LICENSE NO-137 OF 2013 DATED 05.07.2013(6.95 ACRES), LICENSE NO. 15 OF 2025 DATED 29-01-2025 (1.26875 ACRES), LICENSE NO 99 OF 2025 DATED 13.06.2025 (0.64375 ACRES) & LICENCE NO. 100 OF 2025 DATED 17.06.2025 (0.278 ACRES) IN SECTOR- 63, GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY TARC LTD.

Checked and found correct in principle. Date approval is for reference only subject to comments in its forwarding letter No. 3073 dt. 18/9/25

Superintending Engineer (HQ) Chief Engineer, HSVP, Panchkula

OWNERS SIGNATURE:-

ARCHITECT SIGNATURE:-

ARCHITECT VIKKEY
CA/2017-86236
Off. No. 313, AKD Tower, Sec.-14, Gurugram, Haryana

DRAWING TITLE :
TOWER-3 & 4
REFUGE FLOOR PLAN & AREA CALCULATION

DATE:- SEP-2025
SCALE:- 1:100 (A1)
N
SHEET NO. T-3-P-5

25/55