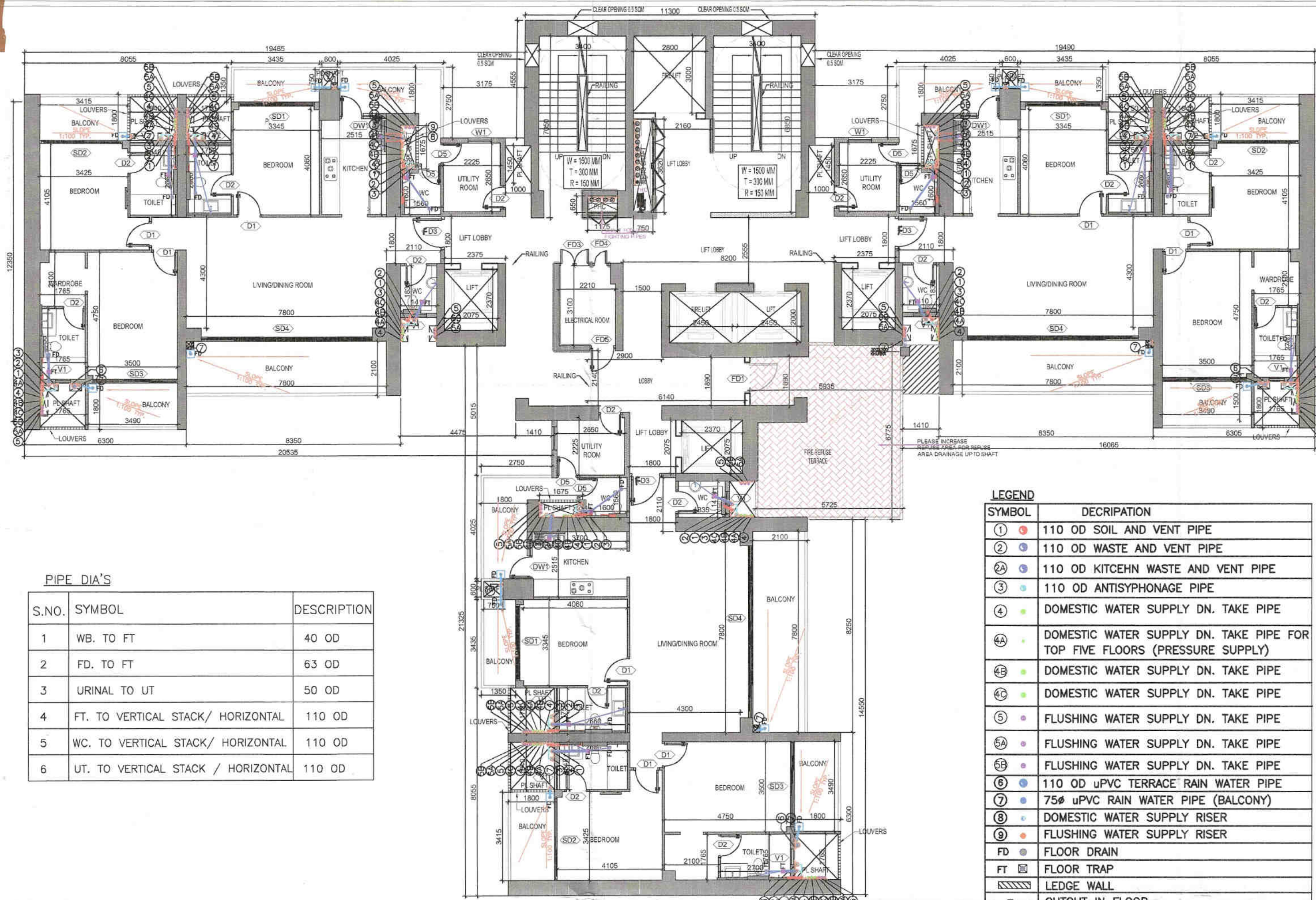
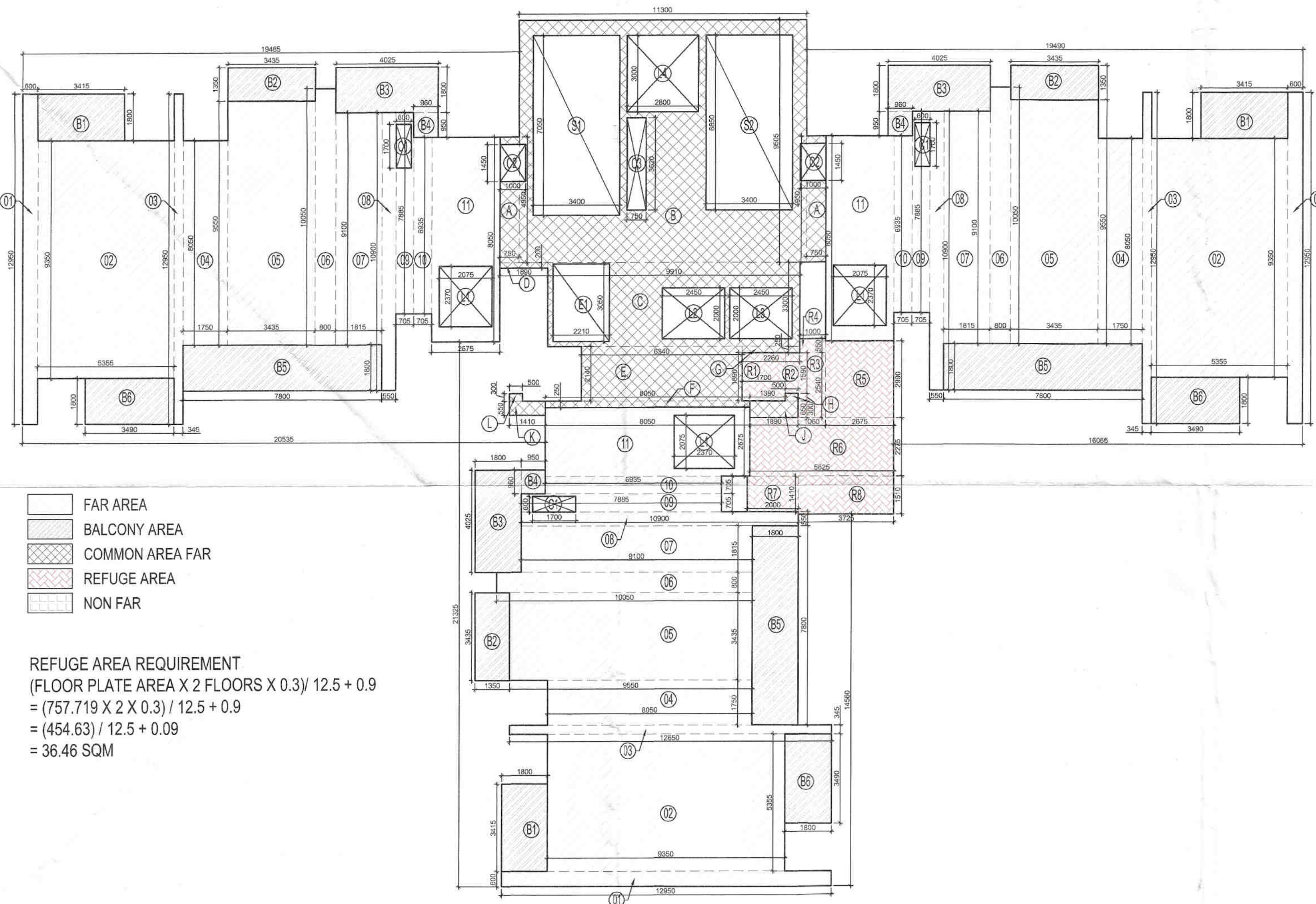




PIPE DIA'S

S.NO.	SYMBOL	DESCRIPTION
1	WB. TO FT	40 OD
2	FD. TO FT	63 OD
3	URINAL TO UT	50 OD
4	FT. TO VERTICAL STACK/ HORIZONTAL	110 OD
5	WC. TO VERTICAL STACK/ HORIZONTAL	110 OD
6	UT. TO VERTICAL STACK / HORIZONTAL	110 OD

SYMBOL	DESCRIPTION
①	110 OD SOIL AND VENT PIPE
②	110 OD WASTE AND VENT PIPE
③	110 OD KITCHEN WASTE AND VENT PIPE
④	110 OD ANTISYPHONAGE PIPE
⑤	DOMESTIC WATER SUPPLY DN. TAKE PIPE
⑥	DOMESTIC WATER SUPPLY DN. TAKE PIPE FOR TOP FIVE FLOORS (PRESSURE SUPPLY)
⑦	DOMESTIC WATER SUPPLY DN. TAKE PIPE
⑧	DOMESTIC WATER SUPPLY DN. TAKE PIPE
⑨	FLUSHING WATER SUPPLY DN. TAKE PIPE
⑩	FLUSHING WATER SUPPLY DN. TAKE PIPE
⑪	FLUSHING WATER SUPPLY DN. TAKE PIPE
⑫	110 OD uPVC TERRACE RAIN WATER PIPE
⑬	75 uPVC RAIN WATER PIPE (BALCONY)
⑭	DOMESTIC WATER SUPPLY RISER
⑮	FLUSHING WATER SUPPLY RISER
FD	FLOOR DRAIN
FT	FLOOR TRAP
LE	LEDGE WALL
8	CUTOUT IN FLOOR



FAR AREA
 BALCONY AREA
 COMMON AREA FAR
 REFUGE AREA
 NON FAR

REFUGE AREA REQUIREMENT
 (FLOOR PLATE AREA X 2 FLOORS X 0.3) / 12.5 + 0.9
 = (757.719 X 2 X 0.3) / 12.5 + 0.9
 = (454.63) / 12.5 + 0.9
 = 36.46 SQM

TOWER - T7 & T8				
FIRE REFUSE TYPICAL UNIT AREA				
S.NO.	1	2	3	4
1	1	X	0.600	X 12.950 = 7.770
2	1	X	5.355	X 9.350 = 50.069
3	1	X	12.950	X 0.345 = 4.468
4	1	X	1.750	X 8.050 = 14.088
5	1	X	3.435	X 9.550 = 32.804
6	1	X	0.800	X 10.050 = 8.040
7	1	X	1.815	X 9.100 = 16.517
8	1	X	0.550	X 10.900 = 5.995
9	1	X	0.705	X 7.885 = 5.559
10	1	X	0.705	X 6.935 = 4.889
11	1	X	2.675	X 8.050 = 21.534
TOTAL				171.732
DEDUCTION				
C1	1	X	0.600	X 1.700 = 1.020
L1	1	X	2.075	X 2.370 = 4.918
TOTAL DEDUCTION				5.938
TOTAL UNIT FAR AREA				165.794
BALCONY				
B1	1	X	3.415	X 1.800 = 6.147
B2	1	X	3.435	X 1.350 = 4.637
B3	1	X	4.025	X 1.800 = 7.245
B4	1	X	0.950	X 0.950 = 0.912
B5	1	X	7.800	X 1.800 = 14.040
B6	1	X	3.490	X 1.800 = 6.282
TOTAL BALCONY AREA				39.263

TOWER - T7 & T8				
FIRE REFUSE TYPICAL COMMON FAR AREA				
S.NO.	1	2	3	4
A	2	X	4.950	X 0.750 = 7.425
B	1	X	11.300	X 9.505 = 107.407
C	1	X	9.910	X 3.300 = 32.703
D	1	X	1.890	X 0.200 = 0.378
E	1	X	6.340	X 2.140 = 13.568
F	1	X	8.050	X 0.250 = 2.013
G	1	X	2.260	X 0.250 = 0.565
H	1	X	0.500	X 0.300 = 0.150
J	1	X	1.890	X 0.650 = 1.229
K	1	X	1.410	X 0.550 = 0.778
L	1	X	0.500	X 0.300 = 0.150
TOTAL				166.362
DEDUCTION				
L2	1	X	2.450	X 2.000 = 4.900
L3	1	X	2.450	X 2.000 = 4.900
L4	1	X	2.800	X 3.000 = 8.400
S1	1	X	3.400	X 7.050 = 23.970
S2	1	X	3.400	X 6.850 = 23.290
C2	2	X	1.000	X 1.450 = 2.900
C3	1	X	0.750	X 3.620 = 2.715
E1	1	X	2.210	X 3.050 = 6.741
TOTAL DEDUCTION				77.816
TOTAL COMMON FAR AREA				88.546

UNIT FAR IN FLOOR = 3 NOS OF UNIT	=	497.383
COMMON AREA FAR	=	88.546
TOTAL FAR AREA IN FLOOR	=	585.929
UNIT BUILT UP AREA IN FLOOR X 3 NOS OF UNIT	=	615.173
COMMON BUILT UP AREA IN FLOOR	=	142.547
TOTAL BUILT UP AREA IN FLOOR (UNIT+COMMON)	=	757.719
FIRE REFUSE BUILT UP AREA	=	36.490
TOTAL BUILT UP AREA	=	794.210

TOWER - T7 & T8				
FIRE REFUSE TYPICAL UNIT BUILT UP AREA				
S.NO.	1	2	3	4
1	1	X	0.600	X 12.950 = 7.770
2	1	X	5.355	X 9.350 = 50.069
3	1	X	12.950	X 0.345 = 4.468
4	1	X	1.750	X 8.050 = 14.088
5	1	X	3.435	X 9.550 = 32.804
6	1	X	0.800	X 10.050 = 8.040
7	1	X	1.815	X 9.100 = 16.517
8	1	X	0.550	X 10.900 = 5.995
9	1	X	0.705	X 7.885 = 5.559
10	1	X	0.705	X 6.935 = 4.889
11	1	X	2.675	X 8.050 = 21.534
B1	1	X	3.415	X 1.800 = 6.147
B2	1	X	3.435	X 1.350 = 4.637
B3	1	X	4.025	X 1.800 = 7.245
B4	1	X	0.950	X 0.950 = 0.912
B5	1	X	7.800	X 1.800 = 14.040
B6	1	X	3.490	X 1.800 = 6.282
TOTAL				210.995
DEDUCTION				
C1	1	X	0.600	X 1.700 = 1.020
L1	1	X	2.075	X 2.370 = 4.918
TOTAL DEDUCTION				5.938
TOTAL UNIT BUILT UP AREA				205.057

TOWER - T7 & T8				
FIRE REFUSE TYPICAL COMMON BUILT UP AREA				
S.NO.	1	2	3	4
A	2	X	4.950	X 0.750 = 7.425
B	1	X	11.300	X 9.505 = 107.407
C	1	X	9.910	X 3.300 = 32.703
D	1	X	1.890	X 0.200 = 0.378
E	1	X	6.340	X 2.140 = 13.568
F	1	X	8.050	X 0.250 = 2.013
G	1	X	2.260	X 0.250 = 0.565
H	1	X	0.500	X 0.300 = 0.150
J	1	X	1.890	X 0.650 = 1.229
K	1	X	1.410	X 0.550 = 0.778
L	1	X	0.500	X 0.300 = 0.150
TOTAL				166.362
TOTAL COMMON AREA BUILT UP				142.547
DEDUCTION				
L2	1	X	2.450	X 2.000 = 4.900
L3	1	X	2.450	X 2.000 = 4.900
L4	1	X	2.800	X 3.000 = 8.400
C2	2	X	1.000	X 1.450 = 2.900
C3	1	X	0.750	X 3.620 = 2.715
TOTAL				23.815
TOTAL COMMON AREA BUILT UP				142.547

TOWER - T7 & T8				
FIRE REFUSE AREA BUILT UP AREA				
S.NO.	1	2	3	4
R1	1	X	1.700	X 1.880 = 3.213
R2	1	X	0.500	X 1.580 = 0.790
R3	1	X	1.960	X 2.540 = 4.979
R4	1	X	1.000	X 0.550 = 0.550
R5	1	X	2.675	X 2.980 = 7.968
R6	1	X	5.625	X 2.275 = 12.797
R7	1	X	2.000	X 1.410 = 2.820
R8	1	X	3.725	X 1.510 = 5.625
TOTAL FIRE REFUSE BUILT UP AREA				36.490

REFUGE FLOOR LEVELS

16TH FLOOR - +62400MM F.F.L.
 24TH FLOOR - +91200MM F.F.L.
 33RD FLOOR - +123600MM F.F.L.

DOORS & WINDOWS OPENING SCHEDULE					
S.NO.	TYPE	WIDTH	HEIGHT	SILL LVL.	LINTEL LVL.
1	D1	1000	2800	+0.00	+2800
2	D2	900	2800	+0.00	+2800
3	FD3	1250	2800	+0.00	+2800
4	D3	1250	2800	+0.00	+2800
5	D4	750	2800	+0.00	+2800
6	D5	800	2800	+0.00	+2800
7	SD1	2945	2800	+0.00	+2800
8	SD2	3215	2800	+0.00	+2800
9	SD3	3300	2800	+0.00	+2800
10	SD4	6670	2800	+0.00	+2800
11	DW1	900+700	2800+1550	+0.00/+1250	+2800
12	DW2	3335	2800	+0.00	+2800
13	W1	900	1900	+900	+2800
14	W2	1500	1900	+900	+2800
15	V1	600	1550	+1250	+2800
16	V2	900	1550	+1250	+2800
17	V3	450	1550	+1250	+2800
18	FD1	1200	2800	+0.00	+2800
19	FD2	1000	2100	+0.00	+2100
20	FD3	1200	2800	+0.00	+2800
21	FD4	600	2800	+0.00	+2800
22	FD5	1000	2800	+0.00	+2800
23	FD6	1500	2800	+0.00	+2800

SANCTIONED
 TO BE READ WITH THIS OFFICE
 MEMO NO: 14945
 DATED: 20-05-2024.

H. Sharma
 S.T.P. (HQ)
 Member Secretary
 B.P.A.C.
 S.T.P. (G)
 Member
 B.P.A.C.
 S.T.P. (R)
 Chairman
 B.P.A.C.
 DTP (HQ)
 ATP (HQ)
 S.D.
 P.A.
 A.T.P.
 D.D. (M)
 MEMBER
 B.P.A.C.
 (Dinesh Kumar)
 PA(HQ)
 Checked and for Public Health
 (Internal) Service only subject to comments in
 in forwarding letter No. 9284/CH.19/04/2024
 Superintending Engineer (HQ)
 for Chief Engineer-I
 HSVP, Panchkula

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 ARCHITECT SIGN
 Signature Global India Ltd.
 ARCHITECT
 CA-5923201
 8310164566
 NEW DELHI

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 FOR SITE CO-ORDINATION
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KEYPLAN

CLIENT

Proposed Group Housing colony
 measuring 22.50 Acres (Licence no. 9
 of 2010 dated 23.01.2010) in Sec.-71,
 Gurugram Manesar urban complex
 being developed by Signature Global
 India Ltd., 13th Floor, Dr. Gopal Das
 Bhavan, 28 Barakhamba Road,
 Cannaught Place, New Delhi, 110001.

DATE
 PROJECT INCHARGE
 CHECKED BY
 SCALE
 DEALT BY
 APPROVED BY

DRAWING TITLE

TOWER T7,T8
 REFUGE FLOOR (16TH, 24TH, 33RD)

CONSULTANTS
 STRUCTURE : VINTECH CONSULTANTS
 MEP : SANELAC CONSULTANTS PVT LTD.
 LANDSCAPE : NMP DESIGN

ARCHITECT:

Confluence
 NEW DELHI, INDIA

F-1, FIRST FLOOR, MIRRA CORPORATE SUITES,
 ISHWAR NAGAR Ph-011-26825684 csa@confluence.com Member of IGCB
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