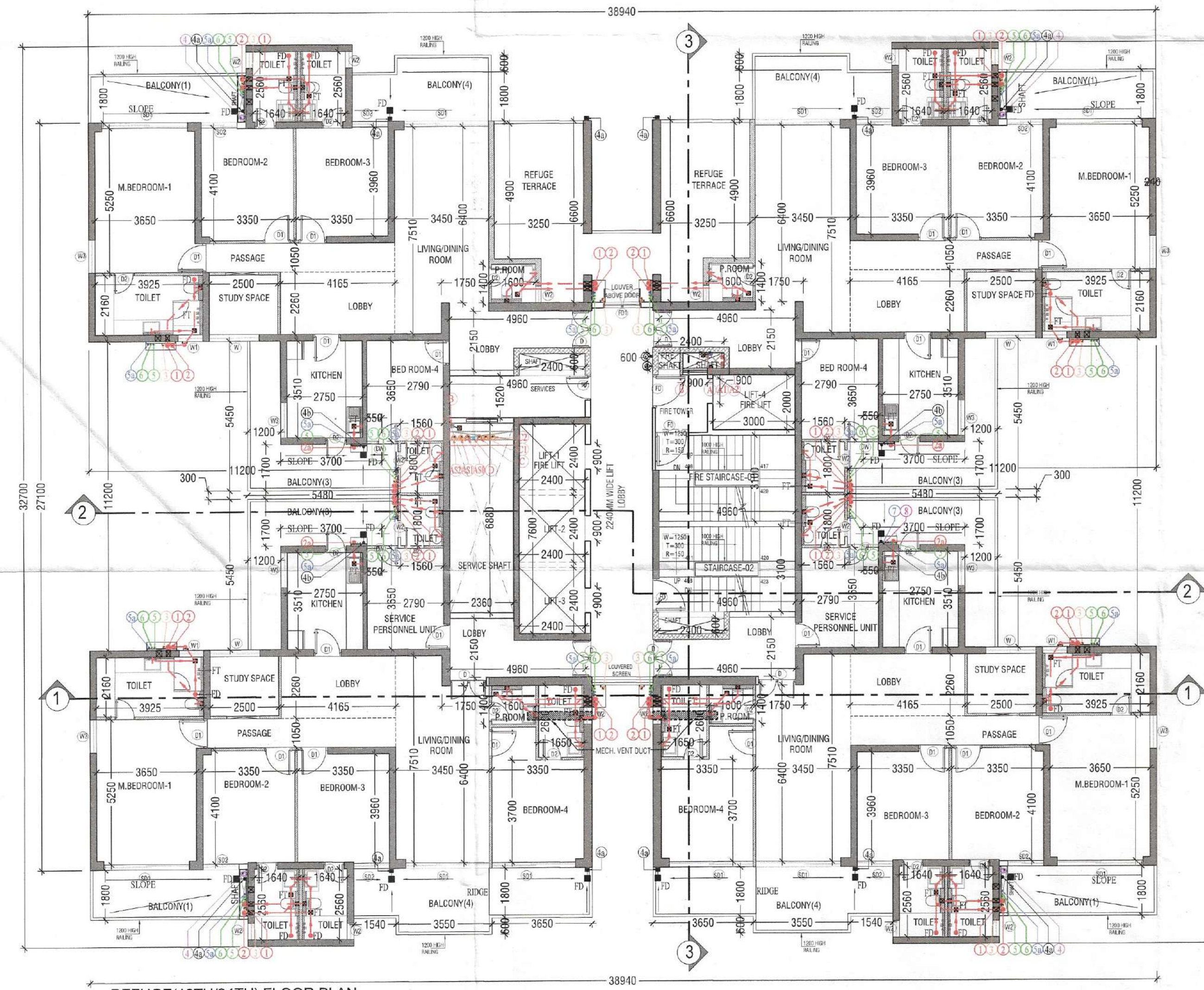
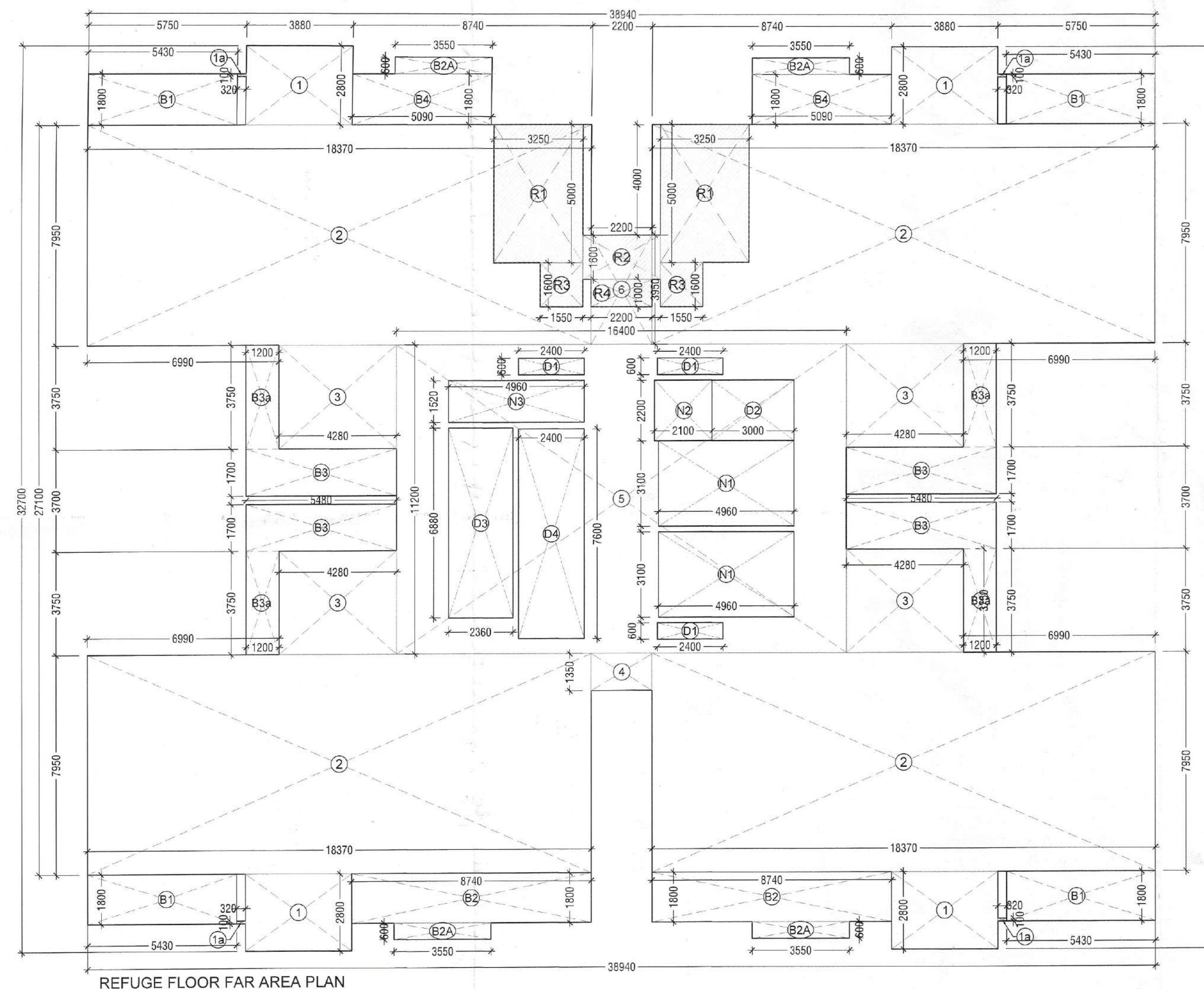
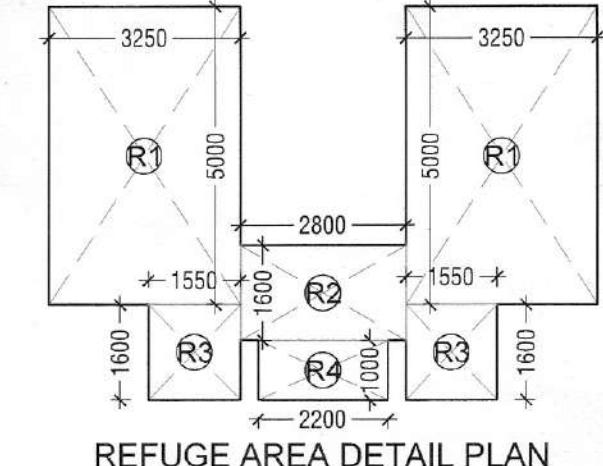


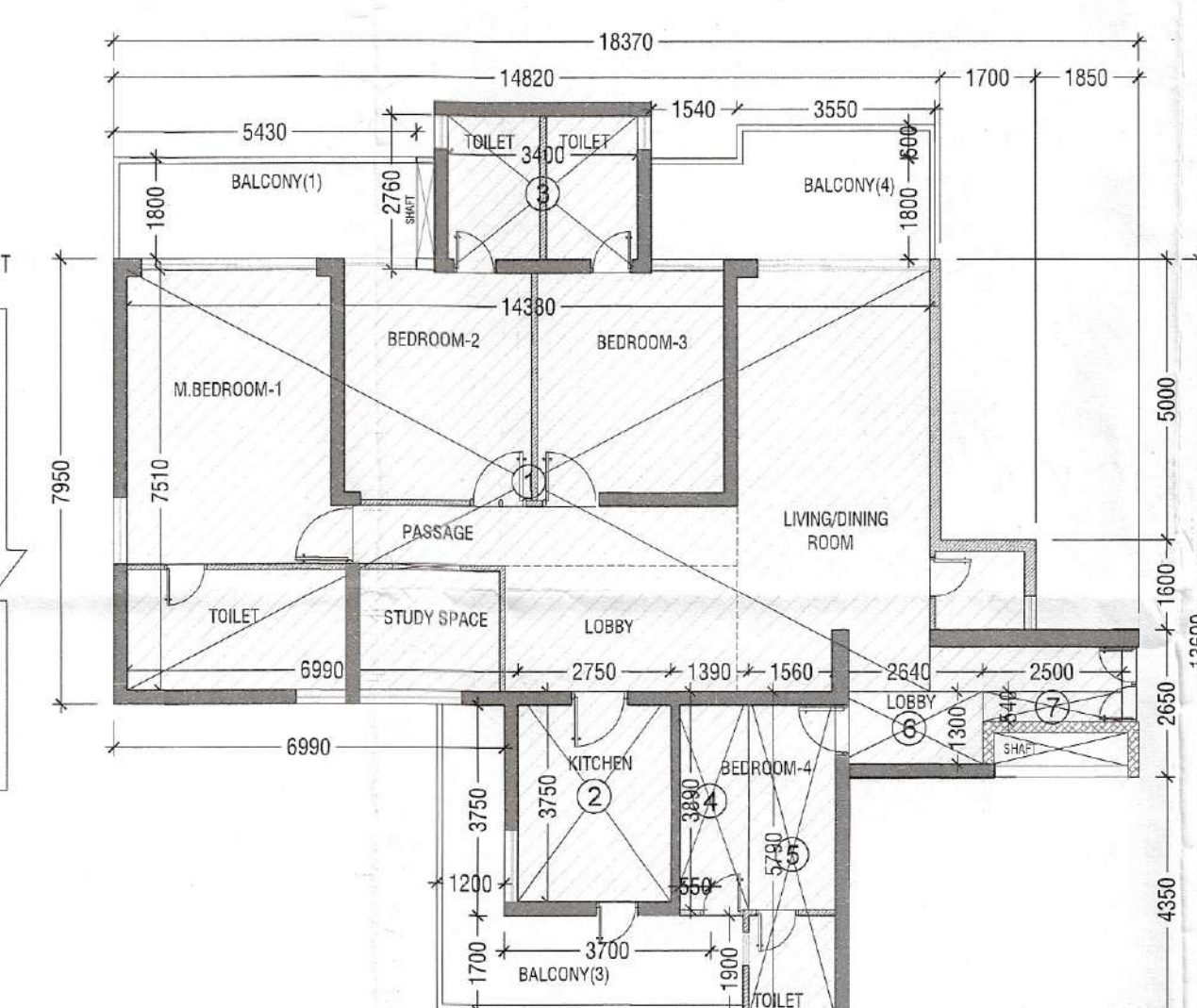
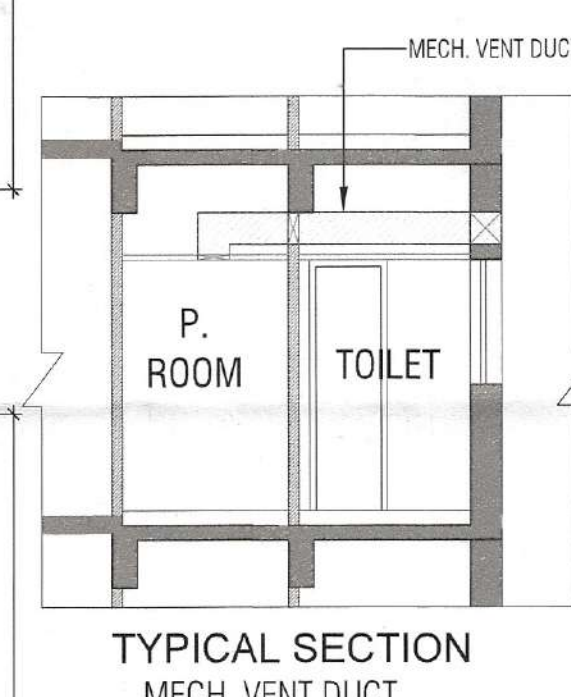


REFUGE FLOOR AREA CALCULATIONS (16TH/24TH)					
FLOOR PLATE AREA					
S. No.	COEFF.	WIDTH	LENGTH	NOS.	AREA IN SQMT
1	1	3.880	2.800	4	43.456
1a	1	0.320	0.100	4	0.128
2	1	18.370	7.950	4	584.166
3	1	4.280	3.750	4	64.200
4	1	2.200	1.350	1	2.970
5	1	16.400	11.200	1	183.680
6	1	2.200	3.950	1	8.690
TOTAL FLOOR PLATE AREA (X)					887.290
NON F.A.R. AREA					
D1	1	2.400	0.600	3	4.320
D2	1	3.000	2.200	1	6.600
D3	1	2.360	6.880	1	16.237
D4	1	2.400	7.600	1	18.240
N1	1	4.960	3.100	2	30.752
N2	1	2.100	2.200	1	4.620
N3	1	4.960	1.520	1	7.539
R1	1	3.200	5.000	2	32.000
R2	1	2.200	1.600	1	3.520
R3	1	1.550	1.600	2	4.960
R4	1	2.200	1.000	1	2.200
TOTAL NON F.A.R. AREA (Y)					130.988
BALCONY NON F.A.R. AREA					
B1	1	5.430	1.800	4	39.096
B2	1	6.740	1.800	2	31.464
B3	1	5.480	1.700	4	37.264
B4	1	3.750	1.200	4	18.000
B4	1	5.090	1.800	2	18.324
TOTAL BALCONY NON F.A.R. AREA (BN)					144.148
BALCONY UNDER F.A.R. AREA					
B2A	1	3.550	0.600	4	8.520
TOTAL BALCONY NON F.A.R. AREA (BF)					8.520
TOTAL BALCONY AREA (BN+BF)					152.668
TOTAL F.A.R. = (X - Y) + BF					764.822
TOTAL NON F.A.R. = Y + BN					275.136



REFUGE AREA CALCULATIONS					
R1	1	3.250	5.000	2	32.500
R2	1	2.800	1.600	1	4.480
R3	1	1.550	1.600	2	4.960
R4	1	2.200	1.000	1	2.200
TOTAL REFUGE AREA (C1)					44.140

16th, 24th, 33rd Floor Refuge Area Calculations					
Floor Plate Area	x2	1763.140	sqm		
Occupancy (Area/person)		12.500	sqm		
Persons		141.051			
Refuge area required @ 0.3sqm/per.		42.315	sqm		
Area for wheel Chair @ 0.9/200per		0.900	sqm		
Total Refuge Area Required		43.215	sqm		
Refuge Area Provided		44.140	sqm		



CARPET AREA PLAN (SERVICE PERSONNEL UNIT)

SERVICE PERSONNEL UNIT CARPET AREA CALCULATIONS					
S. No.	COEFF.	WIDTH	LENGTH	NOS.	AREA IN SQMT
1	1	2.700	3.950	1	10.665
2	1	1.900	1.900	1	3.610
TOTAL ADDITION(S)					14.275

SERVICE PERSONNEL ROOM/BED ROOM/H VENTILATION OPENING CALCULATIONS					
S. No.	COEFF.	WIDTH	LENGTH	NOS.	AREA IN SQMT
1	1	2.700	3.950	1	10.665
TOTAL ADDITION(S)					10.665

REQUIRED ROOM VENTILATION OPENING AREA IN SQMT					
S. No.	COEFF.	WIDTH	LENGTH	NOS.	AREA IN SQMT
1	0.125	2.700	3.950	1	1.273
TOTAL ADDITION(S)					1.273

PROPOSED ROOM VENTILATION OPENING					
S. No.	COEFF.	WIDTH	LENGTH	NOS.	AREA IN SQMT
1	1	0.550	2.400	1	1.320
TOTAL ADDITION(S)					1.320

SCHEDULE OF OPENINGS					
S. No.	TYPE	WIDTH	HEIGHT	S.L.	REMARK
1	FD	1200	2400	00	2 HOUR FIRE RATED
2	FD	1200	2400	00	2 HOUR FIRE RATED
3	D	1200	2400	00	1 HOUR FIRE RATED
4	D	1200	2400	00	1 HOUR FIRE RATED
5	D2	800	2400	00	
6	W	1625	1200	1200	
7	WT	800	1200	1200	
8	W2	800	1200	1200	
9	W3	1200	1200	1200	
10	W4	450	1200	1200	
11	SD1	3000	2400	00	
12	DW	1150	2100	00/000	

CARPET AREA DETAIL PLAN (REFUGE - 4BHK)

UNIT (REFUGE-4BHK) CARPET AREA CALCULATIONS					
S. No.	COEFF.	WIDTH	LENGTH	NOS.	AREA IN SQMT
1	1	14.380	7.510	1	107.964
2	1	2.750	3.750	1	10.313
3	1	3.400	2.740	1	9.316
4	1	1.300	3.860	1	5.007
5	1	1.500	5.750	1	8.625
6	1	2.540	1.300	1	3.302
7	1	2.500	0.540	1	1.350
8	1	1.750	0.810	1	1.418
9	1	1.700	2.510	1	4.267
TOTAL ADDITIONS					152.928
DEDUCTIONS					
d1	1	0.300	0.120	1	0.036
d2	1	0.260	0.120	2	0.062
TOTAL DEDUCTIONS (D1)					0.098
NET AREA = (A1-D1)					152.830

DRAWING TITLE:
TOWER - A
REFUGE FLOOR PLANS & AREA DETAILS
(16TH & 24TH)

DRAWING NO.:
S07

TO BE SEEN WITH THIS OFFICE
MEMO NO.:
DATED:

LEGEND		FIRE LEGEND	
DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
110 OD UPVC SOIL & VENT PIPE	1	A. 1000 FIRE HYDRANT PIPE LOW ZONE	
110 OD UPVC WASTE & VENT PIPE	2	A2. 1000 FIRE HYDRANT PIPE MID ZONE	
110 OD UPVC KITCHEN WASTE & VENT PIPE	2a	A3. 1000 FIRE HYDRANT PIPE HIGH ZONE	
75 OD VENT PIPE (V/P)	3	B. 600 FIRE HYDRANT PIPE	
140 OD UPVC RAIN WATER PIPE	4	C. 1500 FIRE SPRINKLER PIPE FOR LOW ZONE	
75 OD BALCONY DRAIN PIPE	4a	C1. 1500 FIRE SPRINKLER PIPE FOR MID ZONE	
75 OD UTILITY BALCONY DRAIN PIPE	4b	C2. 1500 FIRE SPRINKLER PIPE FOR HIGH ZONE	
110 OD UPVC RAIN WATER PIPE FOR TERRACE	4c	D. 1000 RAIN GULLY LINE	
DOMESTIC WATER SUPPLY DN. TAKE	5	E. 800 FIRE HYDRANT PIPE (BASEMENT FLOOR)	
DOMESTIC WATER SUPPLY RISER	6	F. FIRE HOSE CARRIER	
DOMESTIC WATER SUPPLY RISER	7		
DOMESTIC HYDRO-PNEUMATIC WATER SUPPLY PIPE (DOWN TAKE) UPPER 3 FLOORS	8		
DOMESTIC WATER SUPPLY RISER	5a		
DOMESTIC WATER SUPPLY RISER			
PIPE DROP			
FLOOR DRAIN (FD)			
FLOOR TRAP (FT)			
KHURRA 200x100mm WITH SLOTTED GRATING			
KHURRA 400x400mm TERRACE			
BALCONY DRAIN PIPE			
DOMESTIC WATER SUPPLY (DWS)			
HYDRO-PNEUMATIC DOMESTIC WATER (HPDW)			
FLUSHING WATER SUPPLY (FWS)			
FLUSHING WATER SUPPLY RISER			
DOMESTIC WATER SUPPLY RISER			
1000 SOIL PIPE			
1000 WASTE PIPE			
750 VENT PIPE			
RAIN WATER PIPE			
HEALTHY FAUCET	H.F.		
ACCESS DOOR (AD)			
BALL VALVE/BUTTERFLY VALVE	B.V.		
NON RETURN VALVE	N.R.V.		

PRINCIPAL ARCHITECT:

ACPL ISO 9001:2015

Architecture Management Planning

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PROJECT:-
PROPOSED RESIDENTIAL GROUP HOUSING COLONY
UNDER TOD SCHEME AREA MEASURING 9.16875 ACRE
LAND AT SECTOR 70, GURGAON (HARYANA) UNDER
LICENCE NO. 21 OF 2024 DATED 07.02.2024 BEING
DEVELOPED BY M/S TULIP INFRA TECH PVT. LTD.

For TULIP INFRA TECH PVT. LTD.

Authorised Signatory

OWNER'S/AUTHORIZED SIGN.

ARCHITECT'S SIGN.

DRAWING TITLE:
TOWER - A
REFUGE FLOOR PLANS & AREA DETAILS
(16TH & 24TH)

DRAWING NO. S07

SCALE: 1:150