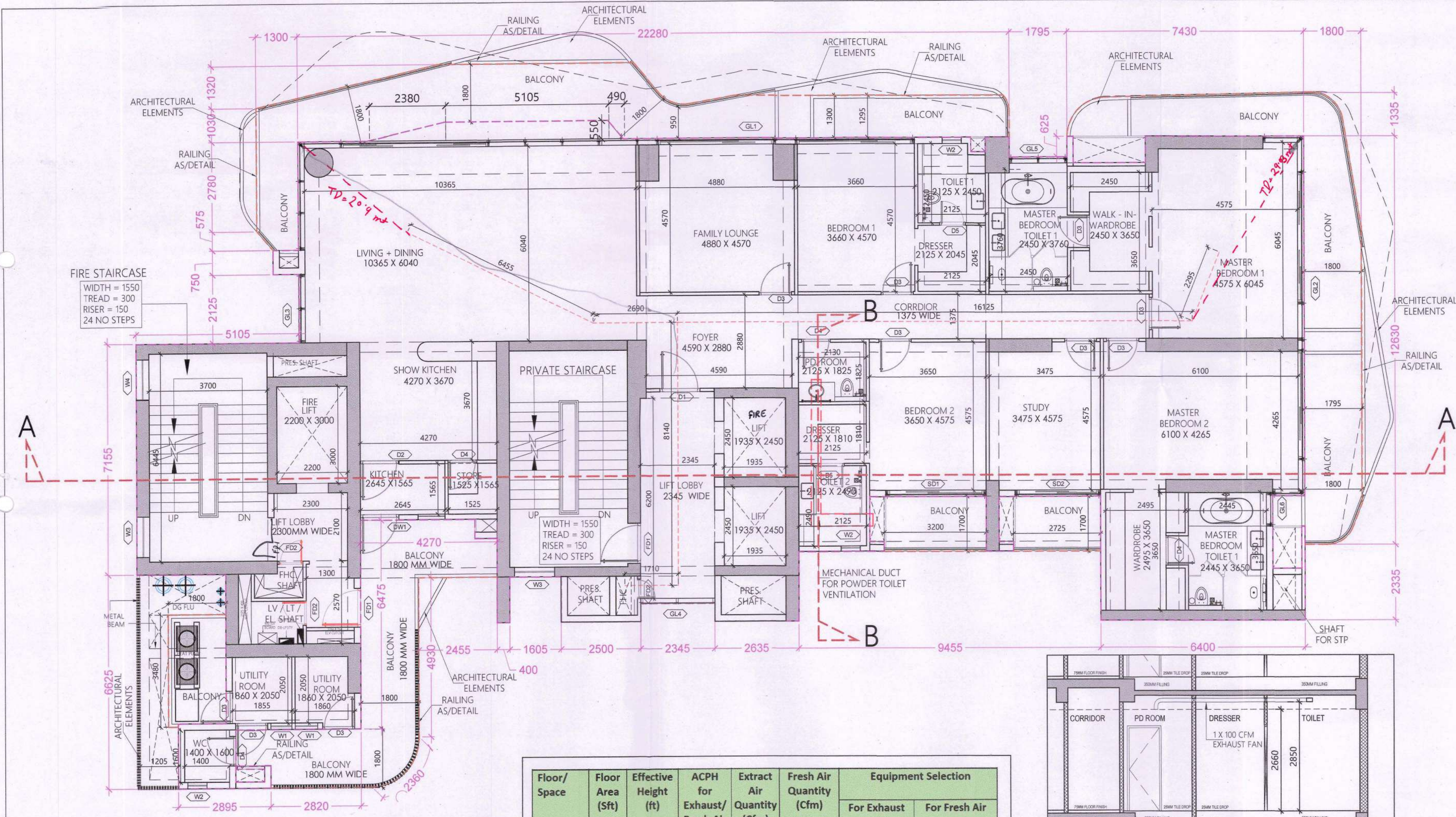
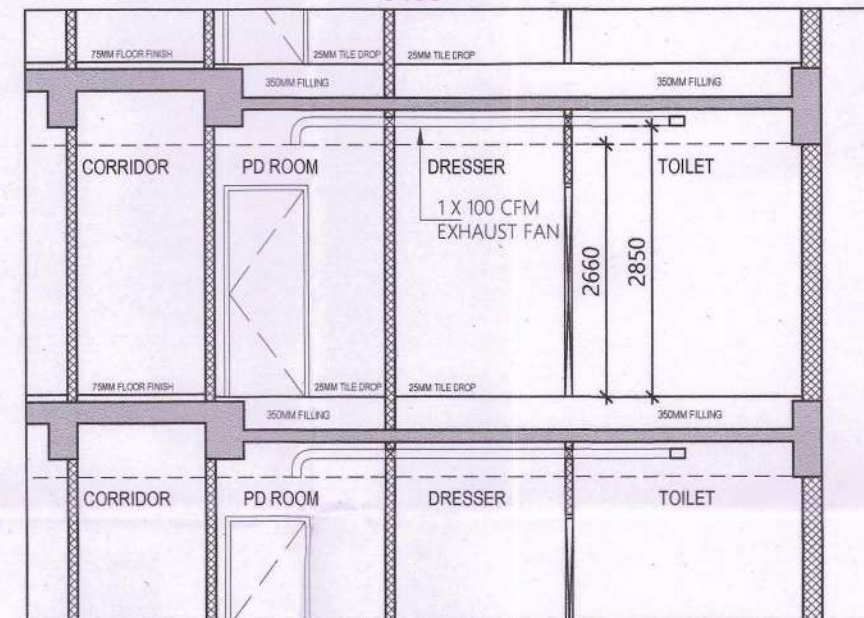


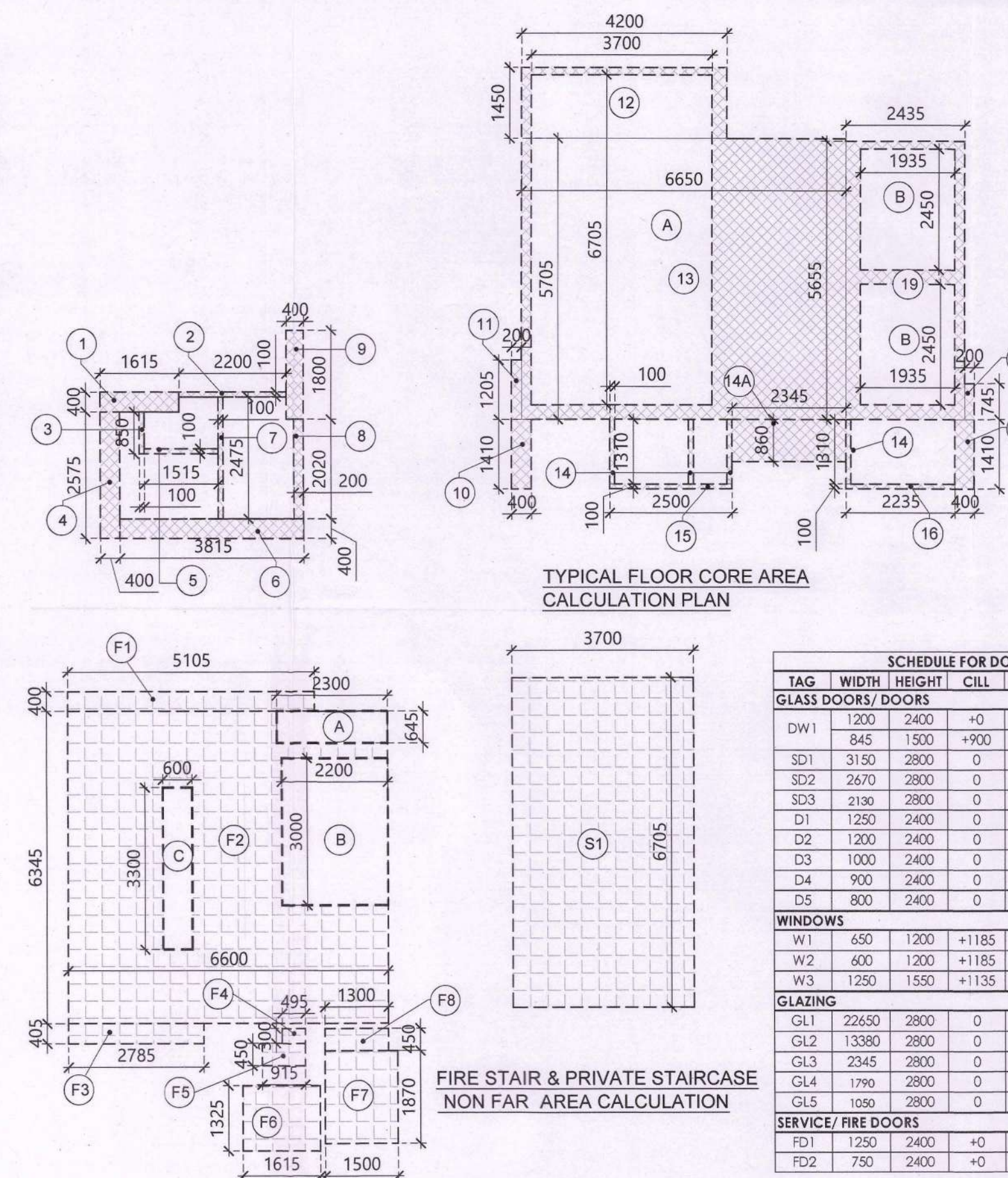


TYPICAL FLOOR
(4TH, 6TH, 8TH, 10TH, 12TH, 14TH, 18TH, 20TH, 22ND, 26TH, 30TH)

Floor/Space	Floor Area (Sft)	Effective Height (ft)	ACPH for Exhaust/Fresh Air	Extract Air Quantity (Cfm)	Fresh Air Quantity (Cfm)	Equipment Selection	
						For Exhaust	For Fresh Air
Typical Floor	45	8	15	90	90	1 x 100 Cfm Inline Fan	Through Fresh Air Louvers



PART SECTION-B FOR MECHANICAL VENTILATION DUCT



TYPICAL FLOOR CORE AREA CALCULATION PLAN

SCHEDULE FOR DOOR WINDOW OPENINGS (TYPICAL)							Slipped HSPV, P HSPV, P
TAG	WIDTH	HEIGHT	CILL	LINTEL	LOCATION	REMARKS	
GLASS DOORS/DOORS							
DW1	1200	2400	+0	+2400	KITCHEN	ALDOOR CUM WINDOW	
SD1	3150	2800	+0	+2400	BEDROOM		
SD2	2670	2800	0	2800	STUDY		
SD3	2130	2800	0	2800	LIVING		
D1	1250	2400	0	+2400	UNIT MAIN DOOR		
D2	1200	2400	0	+2400	UNIT BEDROOM		
D3	1000	2400	0	+2400	ENSUITES	FLUSH DOOR	
D4	900	2400	0	+2400	ENSUITES/PD		
D5	800	2400	0	+2400	TOILETS		
WINDOWS							
W1	650	1200	+1185	+2400	UTILITY ROOM		
W2	600	1200	+1185	+2400	TOILETS	AL. GLAZED WINDOWS	
W3	1250	1550	+1135	+2400	STAIRCASES		
GLAZING							
GL1	22650	2800	0	2800	FAMILY LOUNGE		
GL2	13380	2800	0	2800	MASTER BEDROOM		
GL3	2345	2800	0	2800	LIFT LOBBY		
GL4	1790	2800	0	2800	TOILETS		
GL5	1050	2800	0	2800	TOILETS		
SERVICE/ FIRE DOORS							
FD1	1250	2400	+0	2400	STAIRCASE	2-HOUR FIRE RATED	
FD2	750	2400	+0	2400	FHC/LV/ELV	DOOR	

TOTAL F.A.R. OF TYPICAL FLOOR (4TH, 6TH, 8TH, 10TH, 12TH, 14TH, 18TH, 20TH, 22ND, 26TH, 30TH) AREA CALCULATION				
S.NO.	TYPE	FAR AREA	NO.	TOTAL AREA (SQ.M)
A	CORE FAR AREA	33.078	1	33.078
B	UNIT FAR AREA	348.073	1	348.073
C	BALCONY FAR AREA	3.597	1	3.597
TOTAL F.A.R. OF TYPICAL FLOOR (4TH, 6TH, 8TH, 10TH, 12TH, 14TH, 18TH, 20TH, 22ND, 26TH, 30TH) AREA CALCULATION				384.749

NON F.A.R. PRIVATE STAIRCASE AREA CALCULATION				
S.No.	Length	Breadth	Number	Area
S1	3.700	6.705	1,000	24.809
TOTAL AREA (A)				24.809
DEDUCTION				
A	0.600	3.300	1,000	1.980
DEDUCTION (B)				1.980
NON F.A.R. = COVERED AREA (A) - DEDUCTION (B)				22.829

NON F.A.R. FIRE STAIRCASE AREA CALCULATION				
S.No.	Length	Breadth	Number	Area
F1	5.105	0.400	1,000	2.042
F2	6.400	6.345	1,000	41.877
F3	2.785	0.400	1,000	1.118
F4	0.495	0.300	1,000	0.149
F5	0.915	0.450	1,000	0.412
F6	1.615	1.325	1,000	2.140
F7	1.500	1.870	1,000	2.805
F8	1.300	0.450	1,000	0.585
TOTAL AREA (A)				51.137
DEDUCTION				
A	2.300	0.645	1,000	1.484
B	2.200	3.000	1,000	6.600
C	0.600	3.300	1,000	1.980
DEDUCTION (B)				10.064
NON F.A.R. = COVERED AREA (A) - DEDUCTION (B)				41.074

BALCONY NON FAR CALCULATION				
TYPICAL FLOOR (4TH, 6TH, 8TH, 10TH, 12TH, 14TH, 18TH, 20TH, 22ND, 26TH, 30TH) BALCONY CALCULATION				
S.No.	Area as per polyline	Number	Area (sqm)	
B1	33.175	1	33.175	
B2	2.725	1,700	4.633	
B3	3.190	1,700	5.423	
B4	area as per polyline	40.030	1	40.030
B5	area as per polyline	24.785	1	24.785
B6	area as per polyline	3.360	1	6.084
TOTAL BALCONY NON FAR AREA				114.130

NON FAR AREA (4TH, 6TH, 8TH, 10TH, 12TH, 14TH, 18TH, 20TH, 22ND, 26TH, 30TH) AREA CALCULATION				
S.NO.	TYPE	NON FAR AREA	NO.	TOTAL AREA (SQ.M)
A	TOTAL PRIVATE STAIRCASE AREA	22.829	1	22.829
B	TOTAL FIRE STAIRCASE AREA	41.074	1	41.074
TOTAL TYPICAL FLOOR (4TH, 6TH, 8TH, 10TH, 12TH, 14TH, 18TH, 20TH, 22ND, 26TH, 30TH) BALCONY CALCULATION				114.130
TOTAL NON FAR AREA				178.032

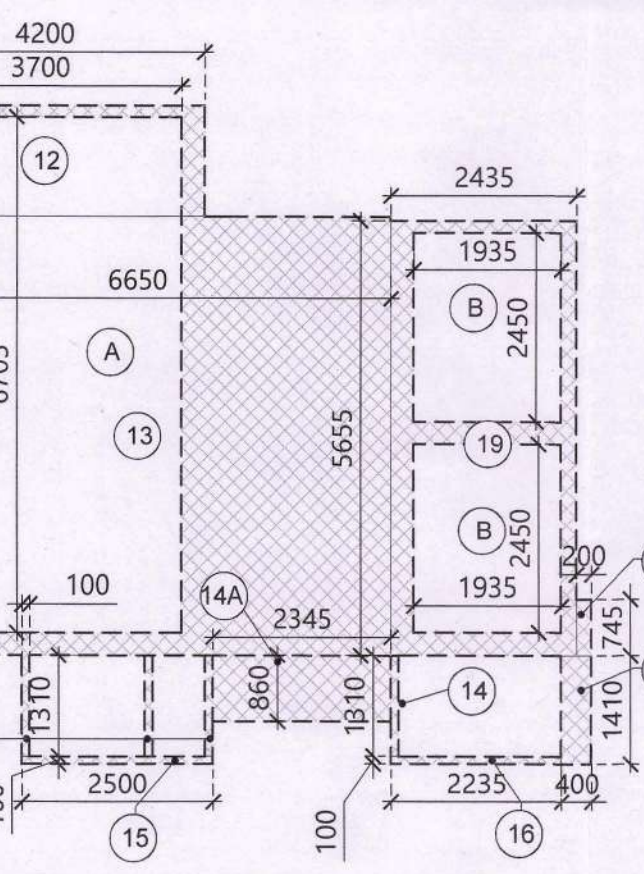
TOTAL BUILT-UP OF TYPICAL FLOOR (4TH, 6TH, 8TH, 10TH, 12TH, 14TH, 18TH, 20TH, 22ND, 26TH, 30TH) AREA CALCULATION				
S.NO.	TYPE	FAR AREA	NO.	TOTAL AREA (SQ.M)
A	TOTAL CORE FAR AREA	33.078	1	33.078
B	TOTAL UNIT FAR AREA	348.073	1	348.073
C	TOTAL BALCONY FAR AREA	3.597	1	3.597
D	TOTAL BALCONY NON FAR AREA	114.130	1	114.130
E	TOTAL PRIVATE STAIRCASE NON FAR AREA	22.829	1	22.829
F	TOTAL FIRE STAIRCASE NON FAR AREA	41.074	1	41.074
TOTAL BUILT-UP OF TYPICAL FLOOR (4TH, 6TH, 8TH, 10TH, 12TH, 14TH, 18TH, 20TH, 22ND, 26TH, 30TH) AREA CALCULATION				662.780

TOTAL BUILT-UP OF TYPICAL FLOOR (4TH, 6TH, 8TH, 10TH, 12TH, 14TH, 18TH, 20TH, 22ND, 26TH, 30TH) AREA CALCULATION				
S.NO.	TYPE	FAR AREA	NO.	TOTAL AREA (SQ.M)
A	TOTAL CORE FAR AREA	33.078	1	33.078
B	TOTAL UNIT FAR AREA	348.073	1	348.073
C	TOTAL BALCONY FAR AREA	3.597	1	3.597
D	TOTAL BALCONY NON FAR AREA	114.130	1	114.130
E	TOTAL PRIVATE STAIRCASE NON FAR AREA	22.829	1	22.829
F	TOTAL FIRE STAIRCASE NON FAR AREA	41.074	1	41.074
TOTAL BUILT-UP OF TYPICAL FLOOR (4TH, 6TH, 8TH, 10TH, 12TH, 14TH, 18TH, 20TH, 22ND, 26TH, 30TH) AREA CALCULATION				662.780

TOTAL BUILT-UP OF TYPICAL FLOOR (4TH, 6TH, 8TH, 10TH, 12TH, 14TH, 18TH, 20TH, 22ND, 26TH, 30TH) AREA CALCULATION				
S.NO.	TYPE	FAR AREA	NO.	TOTAL AREA (SQ.M)
A	TOTAL CORE FAR AREA	33.078	1	33.078
B	TOTAL UNIT FAR AREA	348.073	1	348.073
C	TOTAL BALCONY FAR AREA	3.597	1	3.597
D	TOTAL BALCONY NON FAR AREA	114.130	1	114.130
E	TOTAL PRIVATE STAIRCASE NON FAR AREA	22.829	1	22.829
F	TOTAL FIRE STAIRCASE NON FAR AREA	41.074	1	41.074
TOTAL BUILT-UP OF TYPICAL FLOOR (4TH, 6TH, 8TH, 10TH, 12TH, 14TH, 18TH, 20TH, 22ND, 26TH, 30TH) AREA CALCULATION				662.780

TOTAL BUILT-UP OF TYPICAL FLOOR (4TH, 6TH, 8TH, 10TH, 12TH, 14TH, 18TH, 20TH, 22ND, 26TH, 30TH) AREA CALCULATION				
S.NO.	TYPE	FAR AREA	NO.	TOTAL AREA (SQ.M)
A	TOTAL CORE FAR AREA	33.078	1	33.078
B	TOTAL UNIT FAR AREA	348.073	1	348.073
C	TOTAL BALCONY FAR AREA	3.597	1	3.597
D	TOTAL BALCONY NON FAR AREA	114.130	1	114.130
E	TOTAL PRIVATE STAIRCASE NON FAR AREA	22.829	1	22.829
F	TOTAL FIRE STAIRCASE NON FAR AREA	41.074	1	41.074
TOTAL BUILT-UP OF TYPICAL FLOOR (4TH, 6TH, 8TH, 10TH, 12TH, 14TH, 18TH, 20TH, 22ND, 26TH, 30TH) AREA CALCULATION				662.780

TOTAL BUILT-UP OF TYPICAL FLOOR (4TH, 6TH, 8TH, 10TH, 12TH, 14TH, 18TH, 20TH, 22ND, 26TH, 30TH) AREA CALCULATION				
S.No.	Length	Breadth	Number	Area (sqm)
A1	2.300	0.550	0.5	0.635
A2	5.105	0.550	1	2.808
A3	0.490	0.550	0.5	0.135
TOTAL BALCONY FAR AREA				3.597



TYPICAL FLOOR CORE AREA CALCULATION PLAN

PRIVATE STAIRCASE
CALCULATION

SCHEDULE FOR DOOR WINDOW OPENINGS (TYPICAL)				
TAG	WIDTH	HEIGHT	CILL	LINTEL
GLASS DOORS/DOORS				
DW1	1200	2400		+0
	845	1500		+900
SD1	3150	2800	0	
SD2	2670	2800	0	
SD3	2130	2800	0	
D1	1250	2400	0	
D2	1200	2400	0	
D3	1000	2400	0	
D4	900	2400	0	
D5	800	2400	0	
WINDOWS				
W1	650	1200	+1185	
W2	600	1200	+1185	
W3	1250	1550	+1135	
GLAZING				
GL1	22650	2800	0	
GL2	13380	2800	0	
GL3	2345	2800	0	
GL4	1790	2800	0	
GL5	1050	2800	0	
SERVICE/FIRE DOORS				
FD1	1250	2400	+0	
FD2	750	2400	+0	

TOTAL F.A.R. OF TYPICAL FLOOR (4TH, 6TH, 8TH, 10TH, 12TH, 14TH, 18TH, 20TH, 22ND, 26TH, 30TH) AREA CALCULATION				
S.NO.	TYPE	FAR AREA	NO.	TOTAL AREA (SQ.M)
A	CORE FAR AREA	33.078	1	33.078
B	UNIT FAR AREA	348.073	1	348.073
C	BALCONY FAR AREA	3.597	1	3.597
TOTAL F.A.R. OF TYPICAL FLOOR (4TH, 6TH, 8TH, 10TH, 12TH, 14TH, 18TH, 20TH, 22ND, 26TH, 30TH) AREA CALCULATION				384.749

NON F.A.R. PRIVATE STAIRCASE AREA CALCULATION				
S.No.	Length	Breadth	Number	Area
S1	3.700	6.705	1,000	24.809
TOTAL AREA (A)				24.809
DEDUCTION				
A	0.600	3.300	1,000	1.980
DEDUCTION (B)				1.98