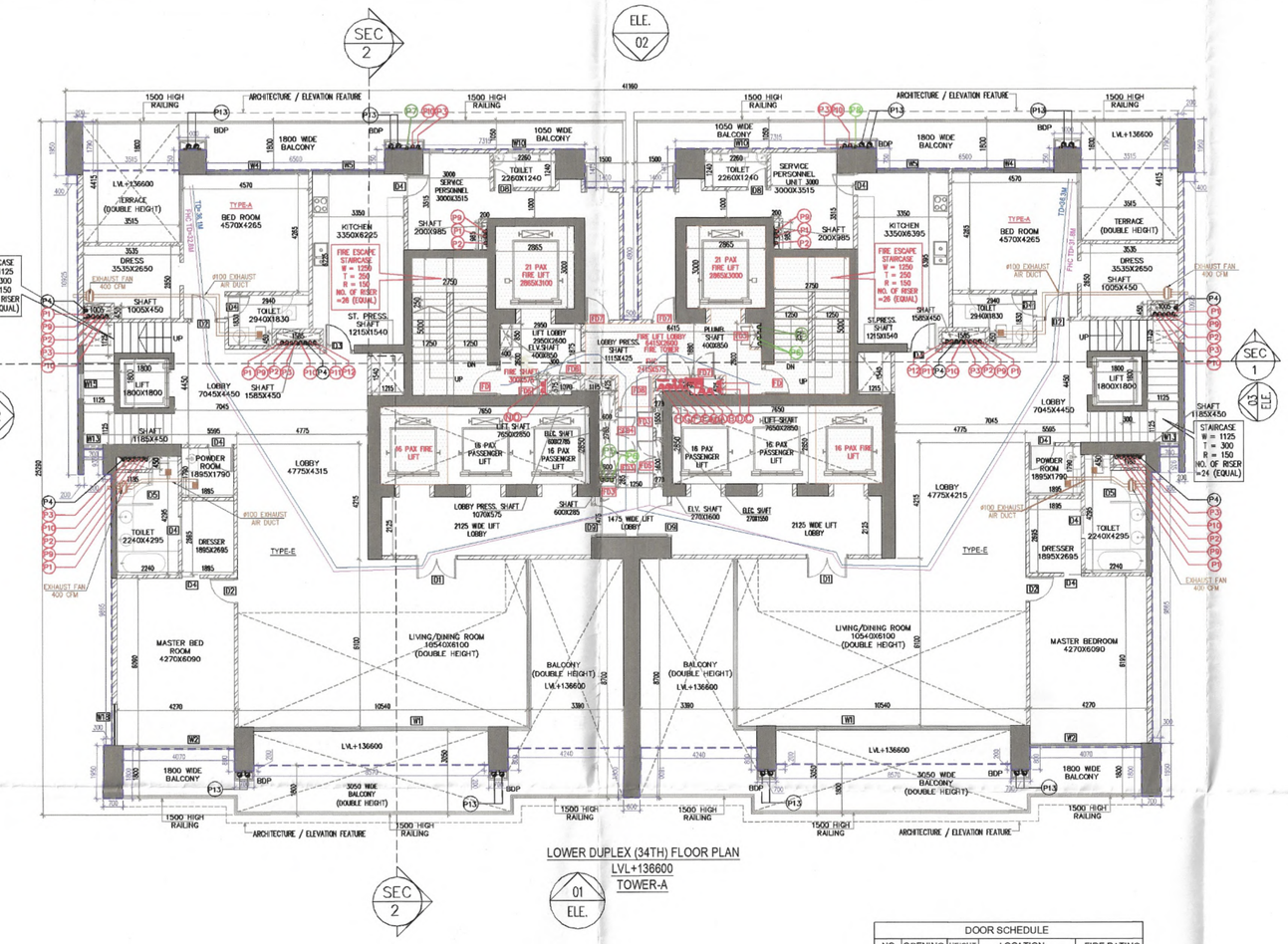
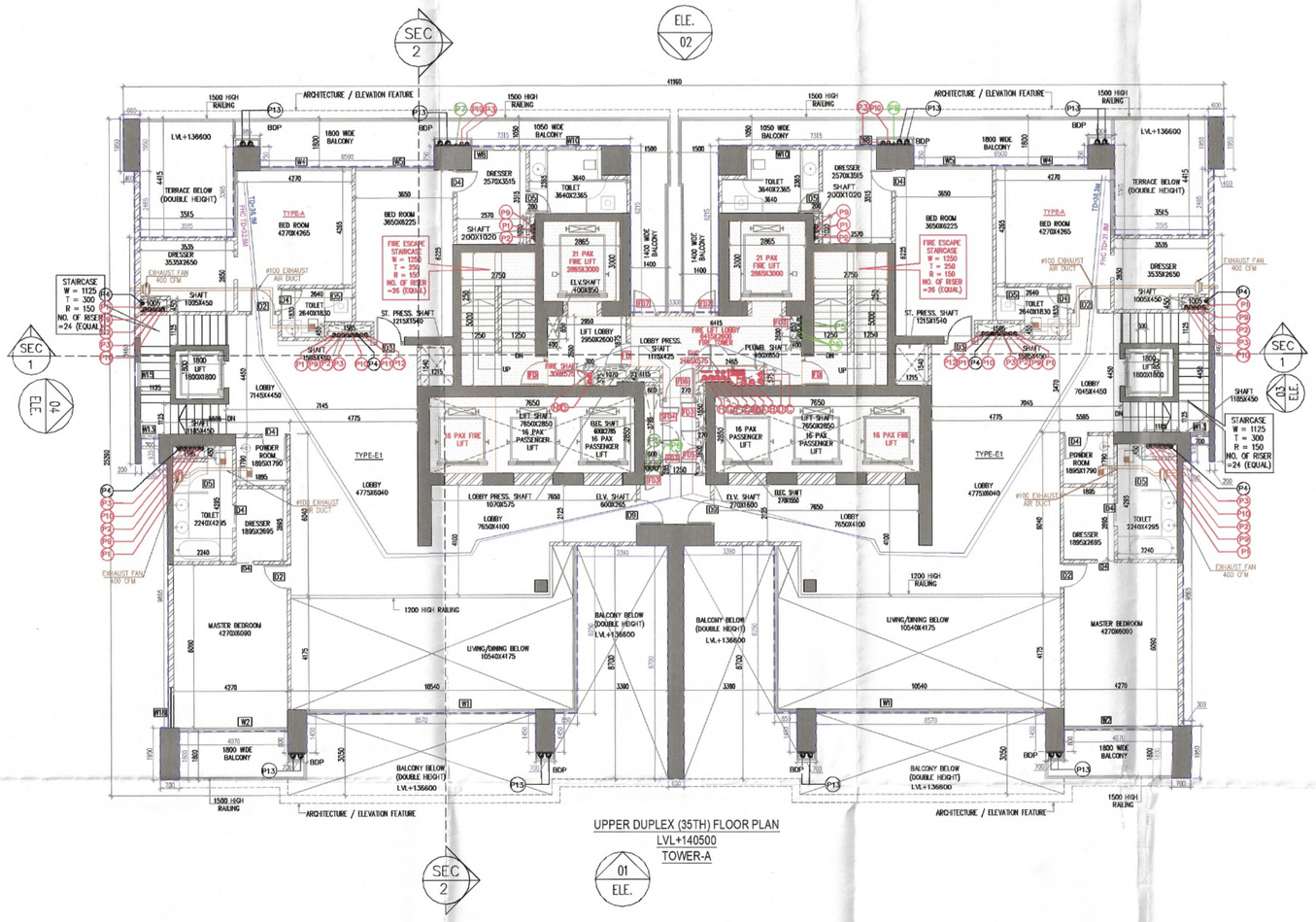




UPPER DUPLEX (35TH) FLOOR AREA CALCULATION								
GROSS – A								
1	2	X	0.600	X	1.950	=	2.340	SQ.MT.
2	2	X	0.200	X	2.465	=	0.986	SQ.MT.
3	2	X	0.200	X	8.460	=	3.384	SQ.MT.
4	2	X	0.700	X	7.525	=	10.535	SQ.MT.
5	1	X	0.985	X	0.750	=	0.739	SQ.MT.
6	2	X	7.315	X	0.750	=	10.973	SQ.MT.
8	2	X	14.815	X	2.815	=	77.482	SQ.MT.
11	1	X	1.000	X	0.750	=	0.750	SQ.MT.
12	2	X	17.630	X	2.850	=	100.491	SQ.MT.
13	1	X	38.560	X	5.610	=	216.322	SQ.MT.
14	2	X	0.400	X	9.885	=	7.892	SQ.MT.
15	2	X	0.700	X	1.950	=	2.730	SQ.MT.
16	2	X	4.770	X	10.015	=	95.543	SQ.MT.
17	2	X	0.700	X	0.800	=	1.120	SQ.MT.
18	2	X	10.120	X	8.385	=	169.548	SQ.MT.
19	2	X	0.700	X	1.450	=	2.030	SQ.MT.
20	1	X	7.380	X	3.115	=	22.989	SQ.MT.
21	1	X	0.600	X	8.700	=	5.220	SQ.MT.
					TOTAL	=	791.073	SQ.MT.
DEDUCTION AREA								
GROSS - B								
d1	2	X	1.005	X	0.450	=	0.905	SQ.MT.
d2	2	X	1.125	X	4.450	=	10.013	SQ.MT.
d3	4	X	2.100	X	1.125	=	9.450	SQ.MT.
d4	2	X	1.800	X	1.800	=	6.480	SQ.MT.
d5	2	X	1.185	X	0.450	=	1.067	SQ.MT.
d6	2	X	1.585	X	0.450	=	1.427	SQ.MT.
d8	2	X	0.200	X	1.020	=	0.408	SQ.MT.
d9	1	X	2.865	X	3.000	=	8.595	SQ.MT.
d9a	1	X	0.400	X	0.850	=	0.340	SQ.MT.
d10	1	X	2.750	X	3.900	=	10.725	SQ.MT.
d11	1	X	3.070	X	1.100	=	3.377	SQ.MT.
d12	2	X	1.215	X	1.540	=	3.742	SQ.MT.
d13	1	X	7.650	X	2.850	=	21.803	SQ.MT.
d14	1	X	0.300	X	0.575	=	0.173	SQ.MT.
d14a	1	X	0.740	X	0.575	=	0.426	SQ.MT.
d14b	1	X	0.330	X	0.425	=	0.140	SQ.MT.
d15	1	X	1.115	X	0.425	=	0.474	SQ.MT.
d16	1	X	0.600	X	2.785	=	1.671	SQ.MT.
d17	1	X	0.800	X	0.285	=	0.159	SQ.MT.
d18	1	X	0.270	X	1.600	=	0.432	SQ.MT.
d19	1	X	0.700	X	1.550	=	1.085	SQ.MT.
d20	1	X	1.190	X	1.875	=	2.231	SQ.MT.
d21	1	X	1.250	X	3.035	=	3.794	SQ.MT.
d22	1	X	3.285	X	1.150	=	3.755	SQ.MT.
d23	1	X	6.315	X	2.400	=	15.156	SQ.MT.
d24	1	X	6.455	X	5.850	=	37.762	SQ.MT.
d25	1	X	1.195	X	2.850	=	3.406	SQ.MT.
d26	1	X	0.720	X	2.450	=	1.764	SQ.MT.
d28	2	X	0.770	X	1.505	=	2.965	SQ.MT.
d29	2	X	10.540	X	4.175	=	88.009	SQ.MT.
					TOTAL	=	241.730	SQ.MT.

TOTAL FAR AREA OF UPPER DUPLEX (35TH) FLOOR	=	GROSS – A	-	GROSS – B	
	=	791.073		241.730	
	=	509.343	SQ.MT.		

NON FAR AREA (ADDITION)								
GROSS - C								
d2	2	X	1.125	X	4.450	=	10.013	SQ.MT.
d3	4	X	2.100	X	1.125	=	9.450	SQ.MT.
d10	1	X	2.750	X	3.900	=	10.729	SQ.MT.
d11	1	X	3.070	X	1.100	=	3.377	SQ.MT.
d20	1	X	1.190	X	1.875	=	2.231	SQ.MT.
d21	1	X	1.250	X	3.035	=	3.794	SQ.MT.
d22	1	X	3.285	X	1.150	=	3.755	SQ.MT.
d23	1	X	6.315	X	2.400	=	15.156	SQ.MT.
d24	1	X	6.455	X	5.850	=	37.762	SQ.MT.
d25	1	X	1.195	X	2.850	=	3.406	SQ.MT.
d26	1	X	0.720	X	2.450	=	1.764	SQ.MT.
					TOTAL	=	101.432	SQ.MT.
NON FAR AREA (DEDUCTION)								
GROSS - D								
x	1	X	2.865	X	3.000	=	8.595	SQ.MT.
x1	1	X	0.400	X	0.850	=	0.340	SQ.MT.
x2	1	X	1.270	X	0.425	=	0.540	SQ.MT.
x3	1	X	1.195	X	0.575	=	0.687	SQ.MT.
x4	1	X	7.650	X	2.850	=	21.803	SQ.MT.
					TOTAL	=	31.964	SQ.MT.

TOTAL NON FAR AREA OF UPPER DUPLEX (35TH) FLOOR	=	GROSS – C	-	GROSS – D	
	=	101.432	-	31.964	
	=	69.467	SQ.MT.		

TOTAL BUILTUP AREA OF UPPER DUPLEX (35TH) FLOOR	=	FAR AREA	+	NON FAR AREA	
	=	509.343	+	69.467	
	=	578.811	SQ.MT.		

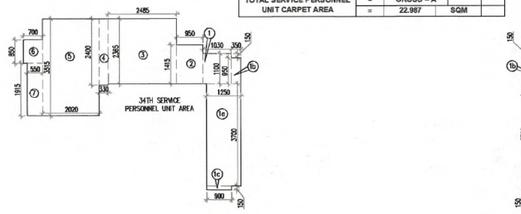
FIRE FIGHTING LEGEND–		
S.NO.	SYMBOL	DESCRIPTION
1		150# FIRE HYDRANT RISER–LOW ZONE–1 FOR PUMP ROOM TO 6TH FLOOR
2		150# FIRE HYDRANT RISER–HIGH ZONE–1 FOR 7TH FLOOR TO 18TH FLOOR
3		150# FIRE HYDRANT RISER–LOW ZONE–2 BPT TO 28TH FLOOR
4		150# FIRE HYDRANT RISER–HIGH ZONE–2 FOR 29TH FLOOR TO 19TH FLOOR
5		150# FIRE SPRINKLER RISER–LOW ZONE–1 FOR PUMP ROOM TO 6TH FLOOR
6		150# FIRE SPRINKLER RISER–LOW ZONE–1–STANDBY FOR PUMP ROOM TO 6TH FLOOR
7		150# FIRE SPRINKLER RISER–HIGH ZONE–1 FOR 7TH FLOOR TO 18TH FLOOR
8		150# FIRE SPRINKLER RISER–HIGH ZONE–1–STANDBY FOR 7TH FLOOR TO 18TH FLOOR
9		150# FIRE SPRINKLER RISER–LOW ZONE–2 BPT TO 28TH FLOOR
10		150# FIRE SPRINKLER RISER–LOW ZONE–2–STANDBY BPT TO 28TH FLOOR
11		150# FIRE SPRINKLER RISER–HIGH ZONE–2 FOR 27TH FLOOR TO 19TH FLOOR
12		150# FIRE SPRINKLER RISER–HIGH ZONE–2–STANDBY FOR 27TH FLOOR TO 19TH FLOOR
13		#80 FIRE DRAIN PIPE
14		150# FIRE TRANSFER WATER RISER
15		150# FIRE TRANSFER WATER RISER–STANDBY

PLUMBING LEGEND–		
S.NO.	SYMBOL	DESCRIPTION
1	P1	#110 SOIL PIPE
2	P2	#110 VENT PIPE
3	P3	#110 WASTE PIPE
4	P4	#160 RAIN WATER PIPE
5	P5	DOMESTIC WATER SUPPLY PIPE
6	P6	FLUSHING WATER SUPPLY PIPE
7	P7	#80 DOMESTIC TRANSFER PIPE
8	P8	#65 FLUSHING TRANSFER PIPE
9	P9	#110 SOIL PIPE FOR LAST 5 FLOORS
10	P10	#110 WASTE PIPE FOR LAST 5 FLOORS
11	P11	#110 KITCHEN WASTE PIPE
12	P12	#110 KITCHEN WASTE PIPE FOR LAST 5 FLOORS
13	P13	#160 BALCONY DRAIN PIPE (GI)
14		DOMESTIC GRAVITY PIPE
15		DOMESTIC BOOSTER PIPE
16		FLUSHING GRAVITY PIPE
17		FLUSHING BOOSTER PIPE
18		FIRE PIPE
19	P14	#160 RAIN WATER PIPE
20	P15	#160 SOIL PIPE
21	P16	#160 WASTE PIPE
22		ISOLATION VALVE

DOOR SCHEDULE				
NO.	OPENING	HEIGHT	LOCATION	FIRE RATING
D1	1525	3000	LIVING/DINING ROOM	——
D2	950	3000	M.BED ROOM, BED ROOM-2 &3, KITCHEN	——
D3	950	3000	POO. ROOM	——
D4	850	3000	TOILET	——
D5	750	3000	UTILITY, SERV. TOILET	——
D6	850	3000	SERV. ROOM 1&2, WALK-IN	——
D7	1000	3000	SHARED LOBBY	——
D8	2125	3000	LOBBY	——
D9	1200	3000	LOBBY	——
FD	1100	2700	STAIRCASE	2HR.
FD2	1000	2700	SHARED LOBBY	2HR.
FD3	995	2250	ELV.	2HR.
FD4	1975	2250	ELECTRICAL SHAFT	2HR.
FD5	1200	2250	ELV.ELEC. SHAFT	2HR.
FD6	575	2250	FIRE SHAFT	2HR.
FD7	1800	2250	FHC	——
FD7	950	2700	FIRE LOBBY-2	2HR.
FD8	1200	2700	FIRE LOBBY-1	2HR.

WINDOW SCHEDULE				
NO.	OPENING	HEIGHT	LOCATION	FIRE RATING
W	4365	3000	BED ROOM-1	——
W1	7925	3000	LIVING/DINING ROOM	——
W2	3770	3000	M.BED ROOM	——
W3	3055	3000	BED ROOM-2	——
W4	3375	3000	BED ROOM-3	——
W5	3000	3000	KITCHEN	——
W6	2460	3000	SERV. ROOM-1	——
W7	2775	3000	KITCHEN / SERV.ROOM-1	——
W8	1860	3000	SRV. ROOM-1	——
W9	4435	3000	BED ROOM-1	——
W10	8325	3000	LIVING/DINING ROOM	——
W11	4070	3000	M.BED ROOM	——
W12	3255	3000	BED ROOM-2	——
W13	3575	3000	BED ROOM-3	——
W14	3100	3000	KITCHEN	——
W15	900	3000	BED ROOM	——
W16	1900	3000	TOILET	——
W17	1500	3000	MASTER BED ROOM	——
W18	800	3000	MASTER BED ROOM	——
W19	750	3000	SERVICE PERSONNEL	——
W20	600	3000	LOBBY	——
W21	700	3000	LOBBY	——

SERVICE PERSONNEL UNIT CARPET AREA								
GROSS – A								
1	=	1	X	1.030	X	1.100	=	1.133 SQM
1a	=	1	X	1.260	X	3.700	=	4.825 SQM
1b	=	1	X	0.350	X	0.950	=	0.333 SQM
1c	=	1	X	0.900	X	0.150	=	0.135 SQM
2	=	1	X	0.950	X	1.415	=	1.344 SQM
3	=	1	X	2.485	X	2.385	=	5.877 SQM
4	=	1	X	0.350	X	2.400	=	0.780 SQM
5	=	1	X	2.020	X	3.915	=	7.100 SQM
6	=	1	X	3.700	X	1.950	=	7.215 SQM
7	=	1	X	0.550	X	1.950	=	1.085 SQM
						TOTAL	=	22.987 SQM
TOTAL SERVICE PERSONNEL UNIT CARPET AREA			=	GROSS – A				
			=	22.987				SQM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