

ANALYSIS DATA

Analysis Type	Double Deck General analysis
Measurement system	Metric
Losses (%)	5.00

BUILDING DATA

Floor Name	Floor Height (m)	No of people	Area (m²)	Area/person	Entrance Floor
Level 1	3.60	0	-	-	Yes
Level 2	3.60	0	-	-	Yes
Level 3	3.60	130	-	-	No
Level 4	3.60	130	-	-	No
Level 5	3.60	130	-	-	No
Level 6	3.60	130	-	-	No
Level 7	3.60	130	-	-	No
Level 8	3.60	130	-	-	No
Level 9	3.60	130	-	-	No
Level 10	3.60	130	-	-	No
Level 11	3.60	130	-	-	No
Level 12	3.60	130	-	-	No
Level 13	3.60	130	-	-	No
Level 14	3.60	130	-	-	No
Level 15	3.60	130	-	-	No
Level 16	3.60	130	-	-	No
Level 17	3.60	130	-	-	No
Level 18	3.60	130	-	-	No
Level 19	3.60	130	-	-	No
Level 20		130	-	-	No
Absenteeism (%)	0.00				

ELEVATOR DATA

No of Elevators	SELECT	Min: 4	Max: 8
Type	Double Deck		
Capacity (kg)	SELECT	Min: 1000	Max: 1600
Car area (m²)	AUTO		
Door Pre-opening Time (s)	AUTO		
Door Open Time (s)	AUTO		
Door Close Time (s)	AUTO		
Speed (m/s)	SELECT	Min: 2.50	Max: 5.00
Acceleration (m/s²)	AUTO		
Jerk (m/s³)	AUTO		
Start Delay (s)	0.50		
Levelling Delay (s)	0.00		
Home Floor	Level 1		

PASSENGER DATA

Demand (% pop per 5 mins)	13.00
Incoming (%)	45.00
Outgoing (%)	45.00
Interfloor (%)	10.00
Passenger Mass (kg)	75
Passenger Area (m²)	0.21
Loading Time (s)	1.20
Unloading Time (s)	1.20
Stair Factor (%)	0.00
Floor Name	Entrance Bias
Level 1	100.00
Level 2	

## DOUBLE DECK GENERAL ANALYSIS RESULTS (SUMMARY)

discarding results where interval is greater than 45.0s

discarding results where capacity factor by mass is greater than 80.0%

discarding results where capacity factor by area is greater than 80.0%

No. of Elevators	Speed (m/s)	Acceln (m/s <sup>2</sup> )	Jerk (m/s <sup>3</sup> )	Elevator Capacity (kg)	Door Type	Door Times Pre-Open,Open, Close (s)	Prob No of Stops	Lowest Reversal Floor	Highest Reversal Floor	Interval (s)	Capacity Factor by Mass (%)	Capacity Factor by Area (%)	Figure of Merit (%)
6	2.50	0.80	1.60	1275	CO 1100mm	0.00, 1.80, 2.90	16.9	1.0	19.0	43.9	58.9	72.6	63.3
6	2.50	0.80	1.60	1600	CO 1100mm	0.00, 1.80, 2.90	16.9	1.0	19.0	43.9	47.7	59.1	63.3
6	3.15	1.00	1.60	1275	CO 1100mm	0.00, 1.80, 2.90	16.8	1.0	19.0	41.3	55.4	68.1	60.8
6	3.15	1.00	1.60	1600	CO 1100mm	0.00, 1.80, 2.90	16.8	1.0	19.0	41.3	44.8	55.5	60.8
6	5.00	1.20	1.60	1000	CO 1100mm	0.00, 1.80, 2.90	16.5	1.0	19.0	38.5	67.6	76.9	58.0
6	5.00	1.20	1.60	1275	CO 1100mm	0.00, 1.80, 2.90	16.5	1.0	19.0	38.5	51.7	63.6	58.0
6	5.00	1.20	1.60	1600	CO 1100mm	0.00, 1.80, 2.90	16.5	1.0	19.0	38.5	41.8	51.8	58.0
7	2.50	0.80	1.60	1000	CO 1100mm	0.00, 1.80, 2.90	16.2	1.0	19.0	35.1	61.6	70.1	54.5
7	2.50	0.80	1.60	1275	CO 1100mm	0.00, 1.80, 2.90	16.2	1.0	19.0	35.1	47.1	58.0	54.5
7	2.50	0.80	1.60	1600	CO 1100mm	0.00, 1.80, 2.90	16.2	1.0	19.0	35.1	38.1	47.2	54.5
7	3.15	1.00	1.60	1000	CO 1100mm	0.00, 1.80, 2.90	15.9	1.0	19.0	32.8	57.5	65.4	52.0
7	3.15	1.00	1.60	1275	CO 1100mm	0.00, 1.80, 2.90	15.9	1.0	19.0	32.8	44.0	54.1	52.0
7	3.15	1.00	1.60	1600	CO 1100mm	0.00, 1.80, 2.90	15.9	1.0	19.0	32.8	35.6	44.1	52.0
7	5.00	1.20	1.60	1000	CO 1100mm	0.00, 1.80, 2.90	15.5	1.0	19.0	30.3	53.2	60.5	49.3
7	5.00	1.20	1.60	1275	CO 1100mm	0.00, 1.80, 2.90	15.5	1.0	19.0	30.3	40.7	50.1	49.3
7	5.00	1.20	1.60	1600	CO 1100mm	0.00, 1.80, 2.90	15.5	1.0	19.0	30.3	32.9	40.8	49.3
8	2.50	0.80	1.60	1000	CO 1100mm	0.00, 1.80, 2.90	15.3	1.0	18.9	28.8	50.4	57.3	47.5
8	2.50	0.80	1.60	1275	CO 1100mm	0.00, 1.80, 2.90	15.3	1.0	18.9	28.8	38.6	47.5	47.5
8	2.50	0.80	1.60	1600	CO 1100mm	0.00, 1.80, 2.90	15.3	1.0	18.9	28.8	31.2	38.7	47.5
8	3.15	1.00	1.60	1000	CO 1100mm	0.00, 1.80, 2.90	14.9	1.0	18.9	26.6	46.7	53.2	45.0
8	3.15	1.00	1.60	1275	CO 1100mm	0.00, 1.80, 2.90	14.9	1.0	18.9	26.6	35.7	44.0	45.0
8	3.15	1.00	1.60	1600	CO 1100mm	0.00, 1.80, 2.90	14.9	1.0	18.9	26.6	28.9	35.8	45.0
8	5.00	1.20	1.60	1000	CO 1100mm	0.00, 1.80, 2.90	14.4	1.0	18.9	24.4	42.8	48.7	42.4
8	5.00	1.20	1.60	1275	CO 1100mm	0.00, 1.80, 2.90	14.4	1.0	18.9	24.4	32.8	40.3	42.4
8	5.00	1.20	1.60	1600	CO 1100mm	0.00, 1.80, 2.90	14.4	1.0	18.9	24.4	26.5	32.9	42.4