

## ANALYSIS DATA

Analysis Type	Simulation
Measurement system	Metric
Dispatcher Algorithm	Double Deck Traffic mode: Heavy Up peak
Time slice between simulation calculations (s)	0.10
No of time slices between screen updates	10
No of simulations to run for each configuration	10
Random number seed for passenger generator	1
Energy Model	Off

## BUILDING DATA

Floor Name	Floor Height (m)	No of people	Area (m <sup>2</sup> )	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	3.60	130	-	-	No
Absenteeism (%)	0.00				

## ELEVATOR DATA

No of Elevators	6
Type	Double Deck
Capacity (kg)	1600
Car area (m <sup>2</sup> )	3.56
Door Pre-opening Time (s)	0.00
Door Open Time (s)	1.80
Door Close Time (s)	2.90
Speed (m/s)	3.15
Acceleration (m/s <sup>2</sup> )	1.00
Jerk (m/s <sup>3</sup> )	1.60
Start Delay (s)	0.50
Levelling Delay (s)	0.00
Home Floor	Level 1

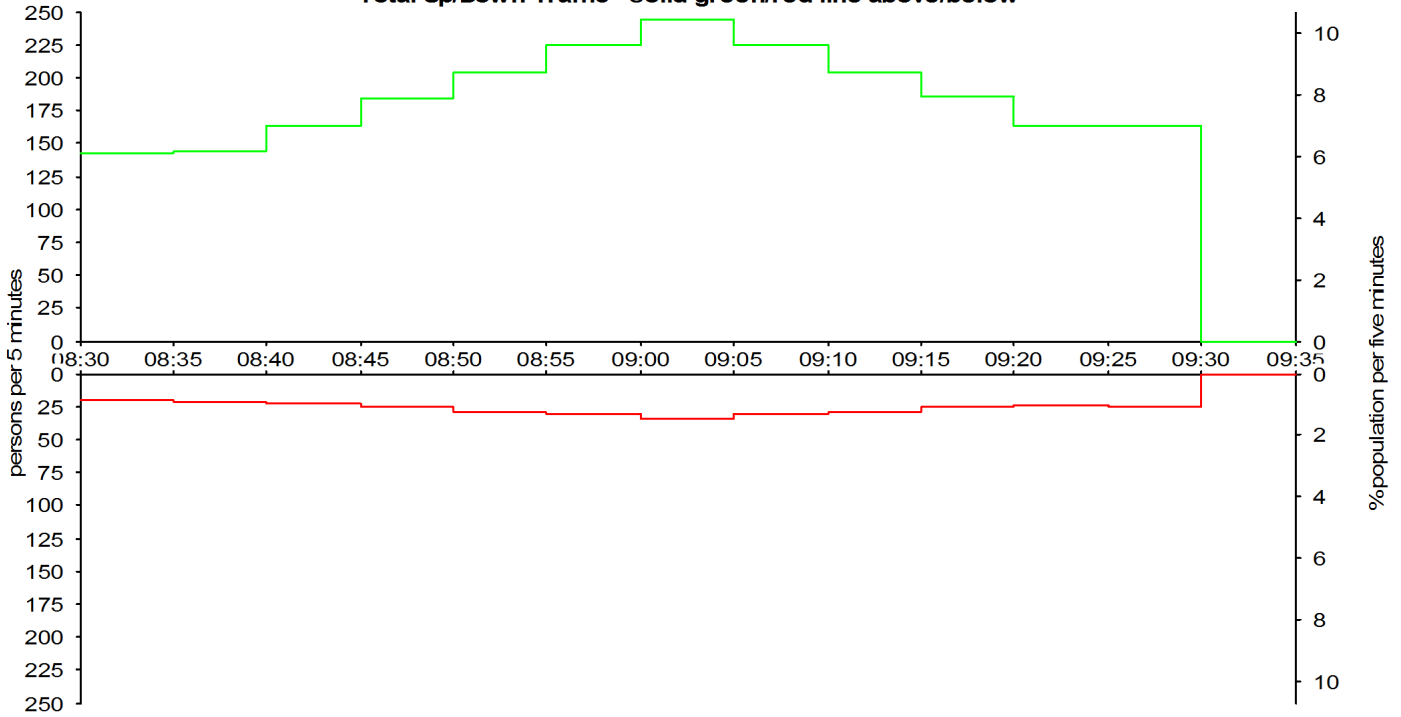
## PASSENGER DATA

Arrangement	Double Deck with no odd to even floor traffic
Template	Peters Research (CIBSE) modern office up peak
Passenger Mass (kg)	75
Passenger Area (m <sup>2</sup> )	0.21
Loading Time (s)	1.20
Unloading Time (s)	1.20
Stair Factor (%)	0.00
Capacity Factor by Mass (%)	80.00
Capacity Factor by Area (%)	100.00
Floor Name	Entrance Bias
Level 1	100.00
Level 2	

6 No. 1600 kg elevators @ 3.15 m/s  
Average of all runs

### Passenger Demand

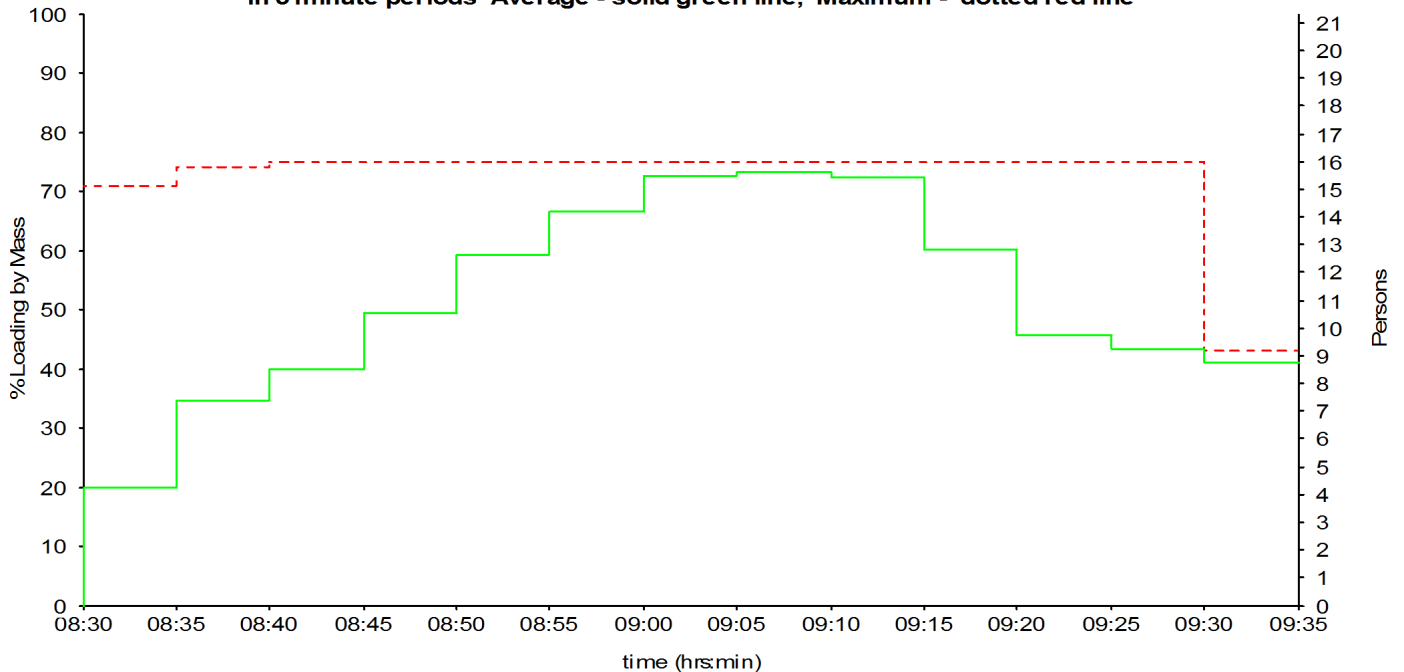
Total Up/Down Traffic - solid green/red line above/below



6 No. 1600 kg elevators @ 3.15 m/s  
Average of all runs

### Car Loading on Departure from Home Floor

in 5 minute periods Average - solid green line, Maximum - dotted red line

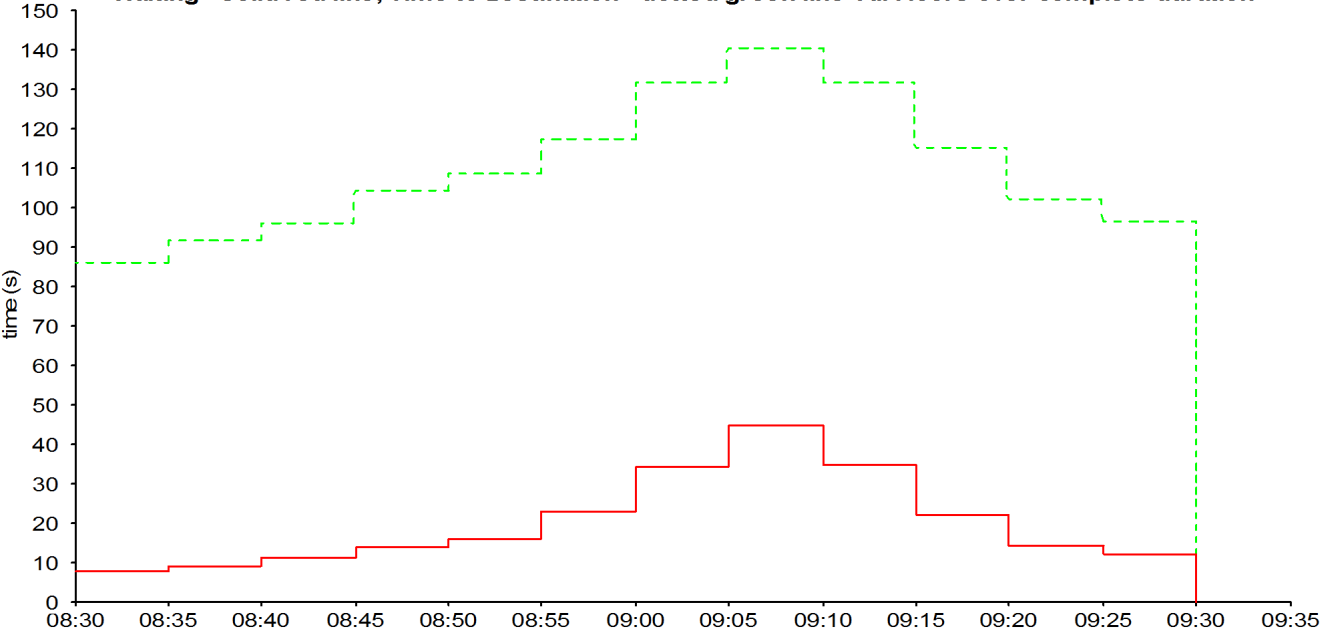


Worst Average Capacity Factor by Area during any 5 min period (%) 92.2

6 No. 1600 kg elevators @ 3.15 m/s  
Average of all runs

Average Waiting and Time to Destination

Waiting - solid red line; Time to Destination - dotted green line All Floors over complete duration



time (hrs:min)  
Worst Average Waiting Time during any 5 min period (s) 44.5  
Worst Average Transit Time during any 5 min period (s) 97.6