

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 (m²)	Area/person	Entrance Floor
Level 1	3.60	0	-	-	Yes
Level 2	3.60	0	-	-	Yes
Level 3	3.60				
Level 4	3.60				
Level 5	3.60				
Level 6	3.60				
Level 7	3.60				
Level 8	3.60				
Level 9	3.60				
Level 10	3.60				
Level 11	3.60				
Level 12	3.60				
Level 13	3.60				
Level 14	3.60				
Level 15	3.60				
Level 16	3.60				
Level 17	3.60				
Level 18	3.60				
Level 19	3.60				
Level 20	3.60				
Level 21	3.60				
Level 22	3.60				
Level 23	3.60				
Level 24	3.60				
Level 25	3.60				
Level 26	3.60				
Level 27	3.60				
Level 28	3.60				
Level 29	3.60				
Level 30	3.60				
Level 31	3.60				
Level 32	3.60				
Level 33	3.60				
Level 34	3.60				
Level 35	3.60				
Level 36	3.60				
Level 37	3.60				
Level 38	3.60				
Level 39	3.60				
Level 40	3.60				
Level 41	3.60				
Level 42	3.60				
Level 43	3.60				
Level 44	3.60				
Level 45	3.60				
Level 46	3.60				
Level 47	3.60				
Level 48	3.60				
Level 49	3.60				
Level 50	3.60				
Level 51	3.60				
Level 52	3.60				
Level 53	3.60				
Level 54	3.60				
Level 55	3.60				
Level 56	3.60				
Level 57	3.60	2340	-	-	No
Level 58		2340	-	-	No

Express Zone
Lowest floor not served by elevators Level 3
Highest floor not served by elevators Level 56

Absenteeism (%) 0.00

ELEVATOR DATA

No of Elevators	8
Type	Double Deck
Capacity (kg)	2000
Car area (m²)	4.20
Door Pre-opening Time (s)	0.00
Door Open Time (s)	1.80
Door Close Time (s)	2.90
Speed (m/s)	7.00
Acceleration (m/s²)	1.50
Jerk (m/s³)	1.60
Start Delay (s)	0.50
Levelling Delay (s)	0.00
Home Floor	Level 1

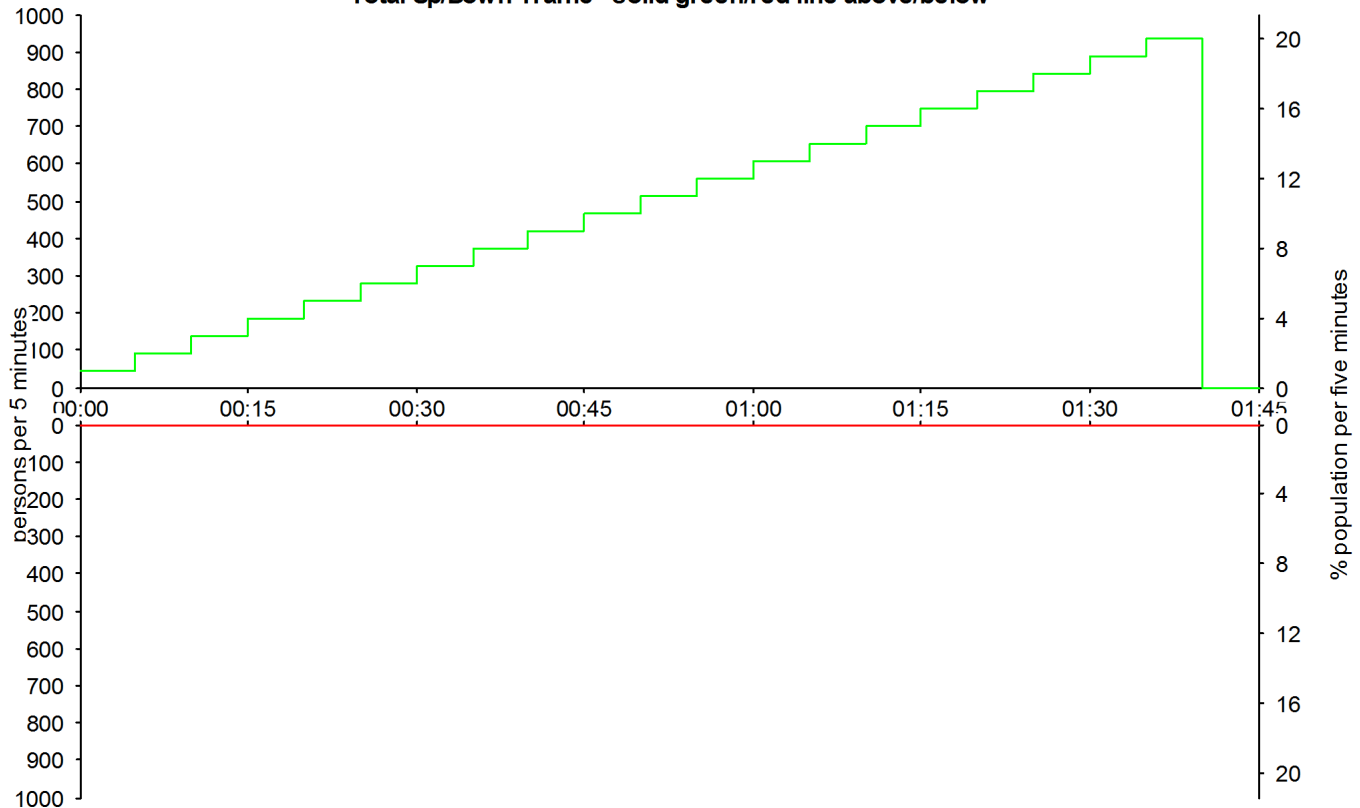
PASSENGER DATA

Arrangement	Double Deck with no odd to even floor traffic
Template	Step profile
Minimum (% pop per 5 mins)	1.00
Maximum (% pop per 5 mins)	20.00
Step duration (mins)	5.00
Step height (%)	1.00
Incoming (%)	100.00
Outgoing (%)	0.00
Interfloor (%)	0.00
Passenger Mass (kg)	75
Passenger Area (m²)	0.21
Loading Time (s)	0.80
Unloading Time (s)	0.80
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	

8 No. 2000 kg elevators @ 7.00 m/s
Average of all runs

Passenger Demand

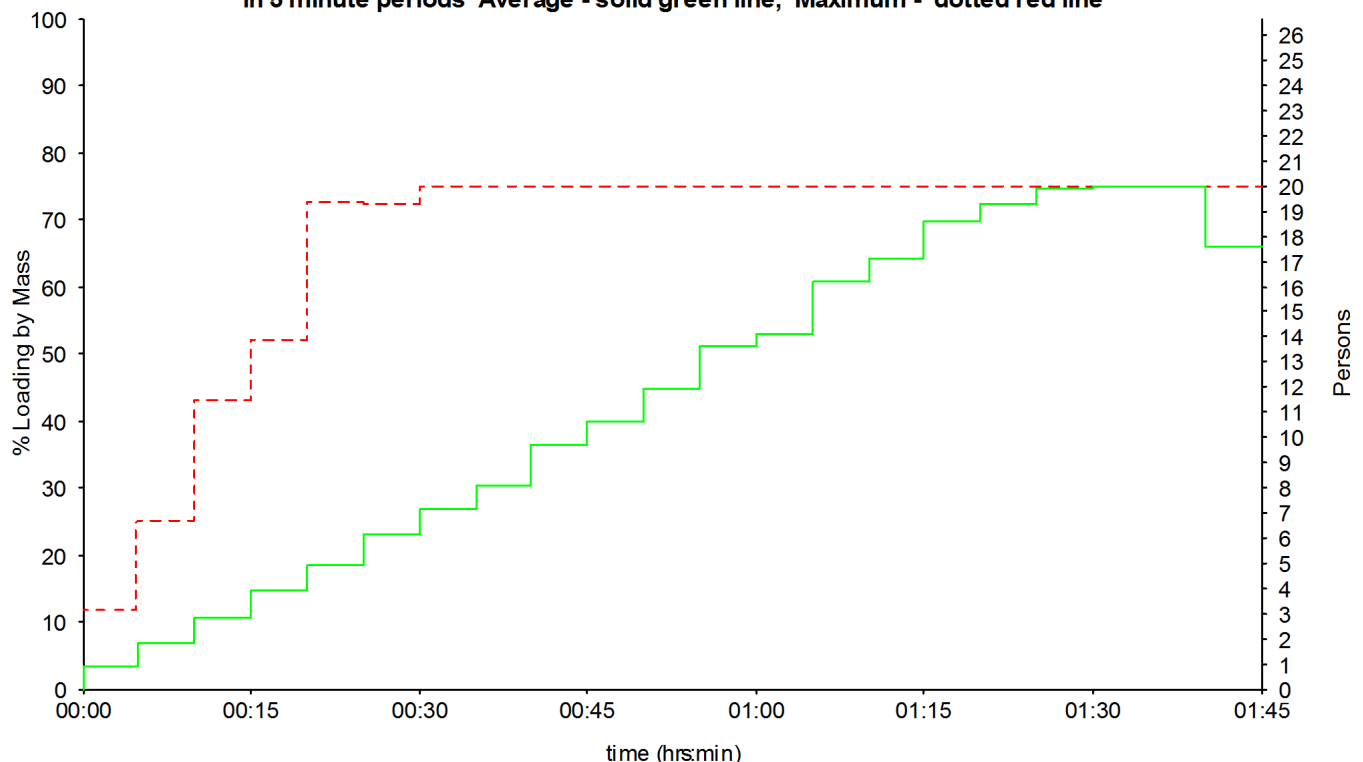
Total Up/Down Traffic - solid green/red line above/below



8 No. 2000 kg elevators @ 7.00 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



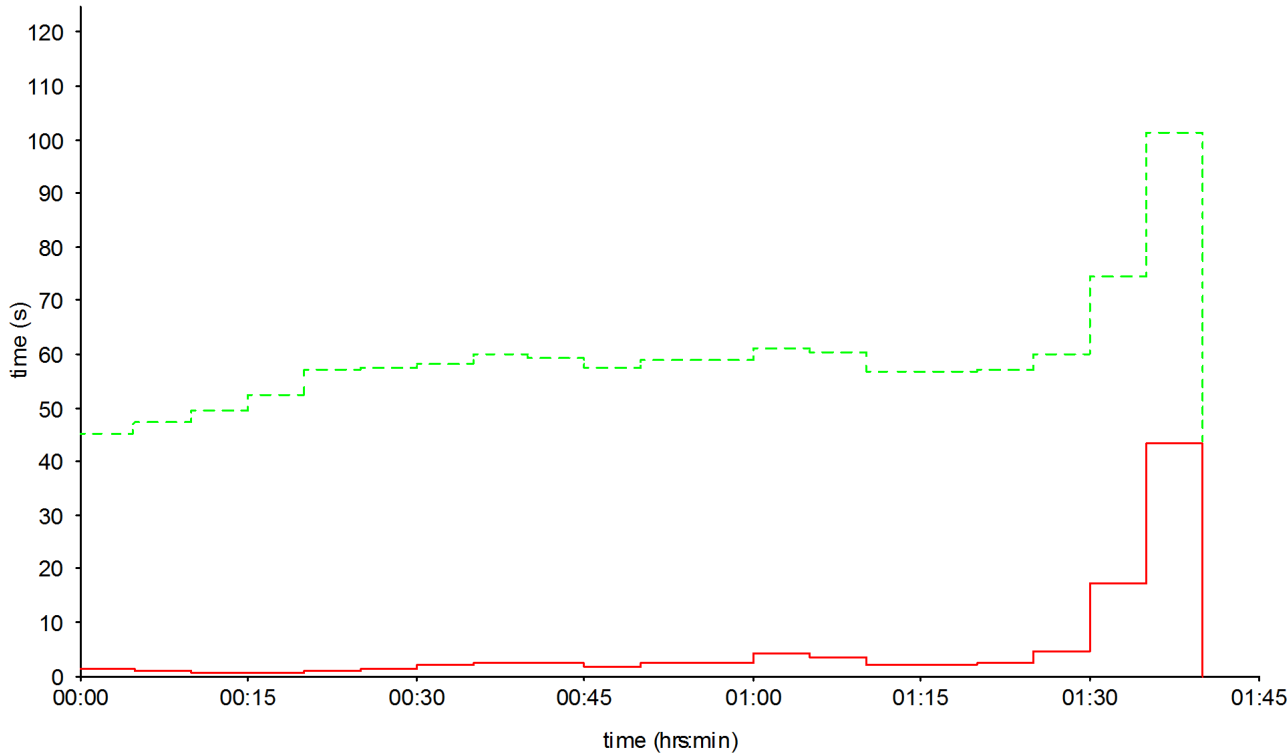
time (hrs:min)

Worst Average Capacity Factor by Area during any 5 min period (%) 100.0

8 No. 2000 kg elevators @ 7.00 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



Worst Average Waiting Time during any 5 min period (s) 43.4
Worst Average Transit Time during any 5 min period (s) 57.6