

Appendix D: Reserved Matters Plot B, Illustrative Scheme

An illustrative scheme was tested as part of the Plot B Reserved Matters assessment. This configuration represents a more realistic scenario for the roof terraces, including the beneficial effects of screening and balustrades around the terrace areas. Photographs of the illustrative scheme are shown in Figures 22 to 27 below. The wind microclimate assessment results are shown in Figure 28 for the windiest season and 29 for the summer season. These results demonstrate the potential improvements in wind conditions that could be achieved at the detailed design stage.



Figure 22: Plot B Reserved Matters with Illustrative Scheme, viewed from south



Figure 23: Plot B Reserved Matters with Illustrative Scheme, viewed from south



Figure 24: Plot B Reserved Matters with Illustrative Scheme, close-up, viewed from south



Figure 25: Plot B Reserved Matters with Illustrative Scheme, viewed from west

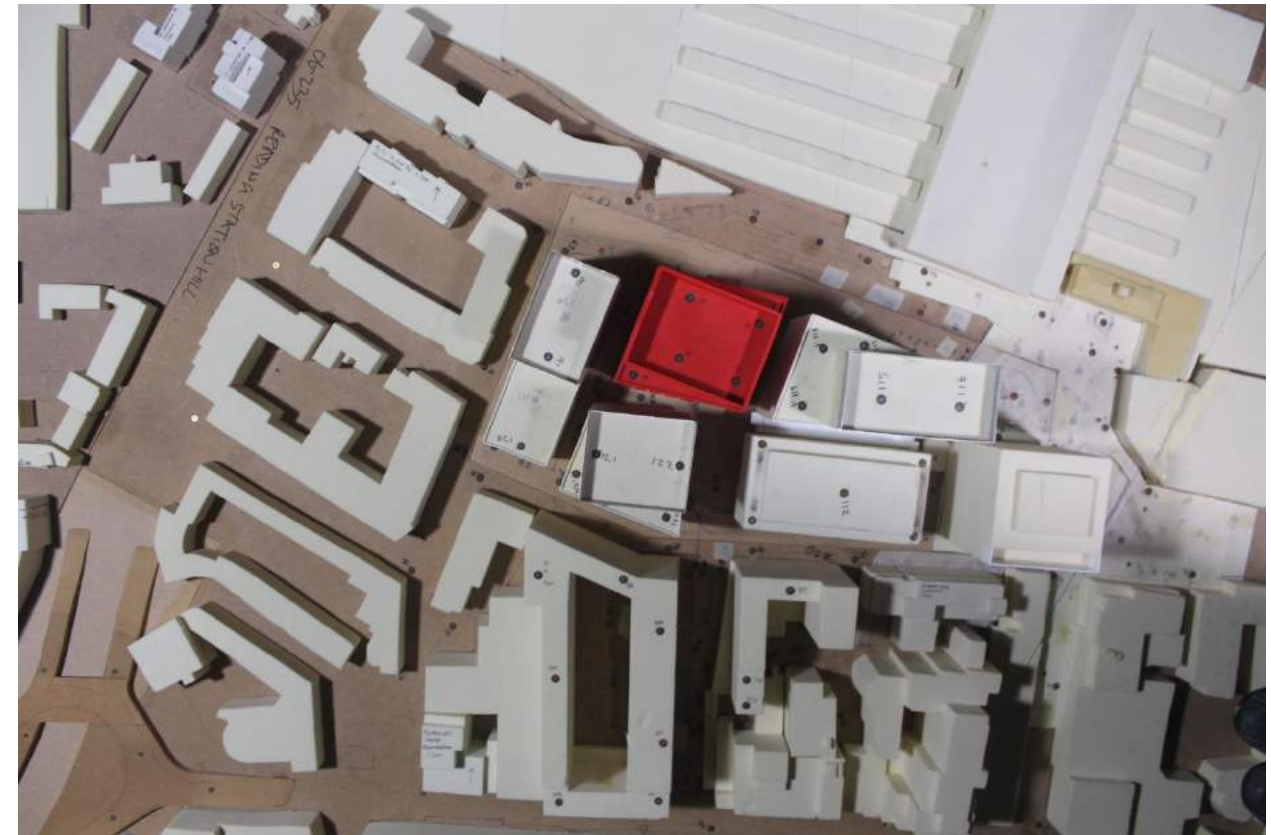


Figure 27: Plot B Reserved Matters with Illustrative Scheme, viewed from above

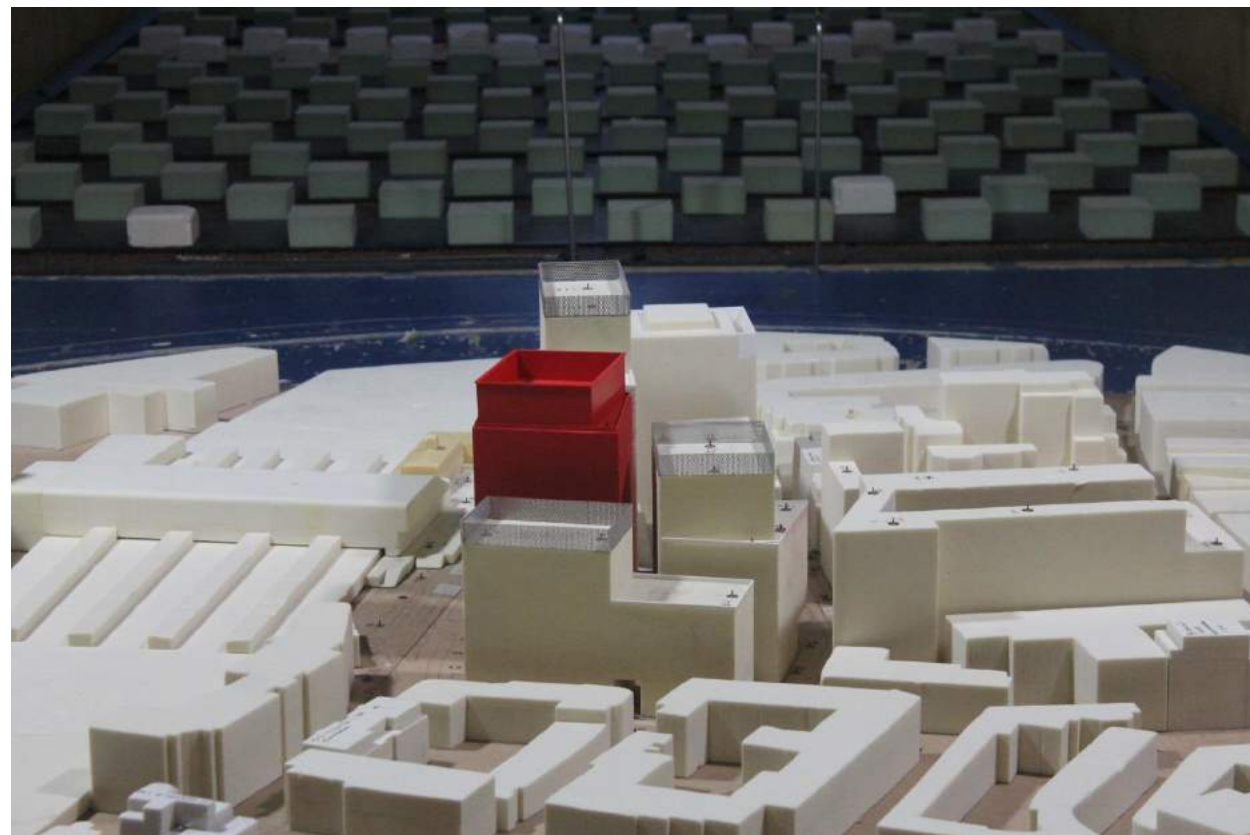


Figure 26: Plot B Reserved Matters with Illustrative Scheme, close-up, viewed from west



LEGEND:

LAWSON COMFORT CRITERIA:

Sitting

Standing/Entrance

Leisure Walking

Business Walking

Carpark/Roadway

SENSOR LOCATION:

Grade Level

Podium Level

Terrace/Balcony Level

Pedestrian Wind Comfort Conditions - Configuration 4 : Building B in detail with Illustrative Scheme and Cumulative Surrounding Buildings Windiest Season

Station Hill - Reading, United Kingdom

True North

02040m

Project #1402222

Drawn by: SM

Figure: 28

Approx. Scale: 1:1000

Date Revised: Mar. 09, 2015

RWDI



LEGEND:

LAWSON COMFORT CRITERIA:

Sitting	Light Green Diamond
Standing/Entrance	Blue Diamond
Leisure Walking	Yellow Diamond
Business Walking	Magenta Diamond
Carpark/Roadway	Red Diamond

SENSOR LOCATION:

○ Grade Level
□ Podium Level
◇ Terrace/Balcony Level

Pedestrian Wind Comfort Conditions - Configuration 4 : Building B in detail with Illustrative Scheme and Cumulative Surrounding Buildings Summer Season

Station Hill - Reading, United Kingdom

True North 

0 20 40m 

Drawn by: SM	Figure: 29
Approx. Scale: 1:1000	
Date Revised: Mar. 09, 2015	

Project #1402222



Appendix 16.1

Principles of Daylight and Sunlight

APPENDIX 16.1

DRAWINGS

FUTURE BASELINE SCENARIO

PROPOSED DEVELOPMENT SCENARIO

CONSTRAINT SCENARIO

COMPARATIVE DEVELOPMENT SCENARIO

