

Right of Light Consulting

Burley House 15-17 High Street Rayleigh Essex SS6 7EW

Tel: 0800 197 4836

www.right-of-light.co.uk

DAYLIGHT AND SUNLIGHT REPORT 65 Holmes Road, London NW5 3AU

# **CONTENTS**

1 EX	ECUTIVE S	SUMMARY	2
1.1	Overview	v	2
2 INF	FORMATIO	N SOURCES	3
2.1	Drawings	S	3
2.2		Distribution Room Layout Information	
3 ME	THODOLO	GY OF THE STUDY	5
3.1	Local Pla	anning Policy	5
3.2		Planning Policy Framework	
3.3		to Windows	
3.4		availability to Windows	
3.5		dowing to Gardens and Open Spaces	
4 RE	SULTS OF	THE STUDY	9
4.1	Windows	s & Amenity Areas Considered	9
4.2	Daylight to Windows		
4.3		to Windows	
4.4		dowing to Gardens and Open Spaces	
4.5	Conclusion		
5 CL	ARIFICATION	ONS	10
5.1	General.		10
APPE	NDICES		
APPE	NDIX 1 NDIX 2 NDIX 3	WINDOW & GARDEN KEY DAYLIGHT AND SUNLIGHT RESULTS OVERSHADOWING TO GARDENS AND OPEN SPACE	:S

#### 1 EXECUTIVE SUMMARY

#### 1.1 Overview

- 1.1.1 Right of Light Consulting has been commissioned by Designated Contractors Ltd to undertake a daylight and sunlight study of the proposed development at 65 Holmes Road, London NW5 3AU.
- 1.1.2 The study is based on the various numerical tests laid down in the Building Research Establishment (BRE) guide 'Site Layout Planning for Daylight and Sunlight: a guide to good practice, 2<sup>nd</sup> Edition' by P J Littlefair 2011.
- 1.1.3 The aim of the study is to assess the impact of the development on the light receivable by the neighbouring properties at 1 to 15 & 16 to 30 Azania Mews and 54 to 74, 55 to 57, 61 to 63, 65 to 67, 74a to 74c, 76, 78 Road & 87 Holmes Road.
- 1.1.4 The window key in Appendix 1 identifies the windows analysed in this study.

  Appendix 2 gives the numerical results of the various daylight and sunlight tests.
- 1.1.5 All neighbouring windows (that have a requirement for daylight or sunlight) pass the relevant BRE diffuse daylight and direct sunlight tests. The development also passes the BRE overshadowing to gardens and open spaces test.
- 1.1.6 In summary, the numerical results in this study demonstrate that the proposed development will have a low impact on the light receivable by its neighbouring properties. In our opinion, the proposed development sufficiently safeguards the daylight and sunlight amenity of the neighbouring properties.

## 2 INFORMATION SOURCES

## 2.1 Drawings

2.1.1 This report is based on the following drawings:

## **Contemporary Design Solutions**

	Site Plan	Rev -
180410 - A(SO)170	Existing Roof Plan	Rev -
200305 - A(SO)P300	Existing Section BB Section AA	Rev -
200305 - A(SO)P400	Existing Holmes Road Elevation	Rev -
200305 - A(SO)P403	Existing Main Courtyard Elevation	Rev -
	Architect 3D Model	Rev -
180410-A(GA)P700	7th Floor Plan	Rev -
200305 - A(GA)P170	Proposed 7th Floor Plan	Rev -
200305 - A(GA)P180	Proposed Roof Plan	Rev -
200305 - A(GA)P300	Proposed Section A-A B-B	Rev -
200305 - A(GA)P303	Proposed C-C Section	Rev -
200305 - A(GA)P305	Proposed Long Section E-E	Rev -
200305 - A(GA)P305	Proposed Detail Section AA	Rev -
200305 - A(GA)P404	Proposed East Elevation and Section	Rev -
200305 - A(GA)P400	Proposed Cathcart Street Elevation	Rev -
	Holmes Road Elevation	
200305 - A(GA)P403	Proposed Courtyard Elevation	Rev -

## 2.2 Daylight Distribution Room Layout Information

2.2.1 The daylight distribution test has been applied based on the following room layout information:

## Online Local Authority planning records

54 to 74 Holmes Road: A-PL-103 A-PL-104 A-PL-105	Proposed Ground Floor Plan Proposed First Floor Plan Proposed Second Floor Plan	Rev P02 Rev P02 Rev P02
55 to 57 Holmes Road:	Lower Basement Floor Upper Basement Floor Ground Floor First Floor Second Floor Proposed Third Floor	Rev - Rev - Rev - Rev - Rev -

Proposed Fourth Floor

Rev -

	Proposed Fifth Floor Proposed Sixth Floor	Rev - Rev -
61 to 63 Holmes Road: 1214-PL-120 1214-PL-121 1214-PL-122 1214-PL-123A 1214-PL-124A 1214-PL-125A	Plans: Ground Floor Proposed Plans: First & Second Floors Proposed Plans: Third Floor Proposed Plans: Fourth Floor Proposed Plans: Fifth Floor Proposed Plans: Roof Proposed	Rev - Rev - Rev - Rev A Rev A Rev A
65 to 67 Holmes Road: 140715 (CL) P100 1980-M-FF-0204 1980-M-UB-0202 140715 (CL) P085	Refuse Servicing Plan Ground Floor Mechanical Services Ventilation Services First Floor Mechanical Services Ventilation Services Upper Basement Refuse Servicing Plan Mezzanine Basement Bin Store	Rev B Rev C04 Rev C03 Rev -
74a to 74c Holmes Road: 5195/301 P-102	Indicative Plan Fourth Floor Plans As Existing and As Proposed (Test Applied using Proposed)	Rev P4 Rev -
78 Holmes Road: 274 009 P11 274 009 P04 274 009 P01 274 009 P12	Mezzanine Floor Plan Proposed Roof Plan Existing Ground Plan Existing First Floor Plan Proposed	Rev B Rev B Rev C Rev B
87 Holmes Road: 4003 4004 4006 4008	Proposed Ground Floor Layout Proposed First Floor Layout Proposed Second Floor Layout Proposed Roof Plan	Rev - Rev - Rev - Rev -

#### 3 METHODOLOGY OF THE STUDY

## 3.1 Local Planning Policy

- 3.1.1 We understand that the Local Authority take the conventional approach of considering daylight and sunlight amenity with reference to the various numerical tests laid down in the Building Research Establishment (BRE) guide 'Site Layout Planning for Daylight and Sunlight: a guide to good practice, 2<sup>nd</sup> Edition' by P J Littlefair 2011. A new European standard BS EN 17037 'Daylight in Buildings' was published in May 2019. An update to the BRE guide to take into account the European standard is expected sometime in 2021. It is not yet clear, how and to what extent, the European recommendations will be adopted by the BRE and Local Authorities.
- 3.1.2 The standards set out in the BRE guide are intended to be used flexibly. The BRE guide states:
- 3.1.3 "The guide is intended for building designers and their clients, consultants and planning officials. The advice given here is not mandatory and the guide should not be seen as an instrument of planning policy; its aim is to help rather than constrain the designer. Although it gives numerical guidelines, these should be interpreted flexibly, since natural lighting is only one of many factors in site layout design."

#### 3.2 National Planning Policy Framework

- 3.2.1 The BRE numerical guidelines should be considered in the context of the National Planning Policy Framework (NPPF), which stipulates that local planning authorities should take a flexible approach to daylight and sunlight to ensure the efficient use of land. The NPPF states:
- 3.2.2 "Local planning authorities should refuse applications which they consider fail to make efficient use of land, taking into account the policies in this Framework. In this context, when considering applications for housing, authorities should take a flexible approach in applying policies or guidance relating to daylight and sunlight, where they would otherwise inhibit making efficient use of a site (as long as the resulting scheme would provide acceptable living standards)."

## 3.3 Daylight to Windows

- 3.3.1 Diffuse daylight is the light received from the sun which has been diffused through the sky. Even on a cloudy day, when the sun is not visible, a room will continue to be lit with light from the sky. This is diffuse daylight.
- 3.3.2 Diffuse daylight calculations should be undertaken to all rooms within domestic properties, where daylight is required, including living rooms, kitchens and bedrooms. The BRE guide states that windows to bathrooms, toilets, storerooms, circulation areas and garages need not be analysed. These room types are non-habitable and do not have a requirement for daylight.
- 3.3.3 The BRE guide states that the tests may also be applied to non-domestic buildings where there is a reasonable expectation of daylight. The BRE guide explains that this would normally include schools, hospitals, hotels and hostels, small workshops and some offices. The BRE guide is not explicit in terms of which types of offices it regards as having a requirement for daylight. However, it is widely accepted amongst consultants and local authorities, that for planning purposes, offices (which are commercial in nature) do not have a requirement for daylight. The point is touched on in the 'Daylighting and Sunlighting' guidance note published by the Royal Institution of Chartered Surveyors (RICS), which gives guidance to surveyors on how to produce their reports:
- 3.3.4 "The report should establish the limits of the assessment. For example, existing commercial premises are rarely assessed for loss of amenity."
- 3.3.5 The BRE guide contains two tests which measure diffuse daylight:

#### **Test 1 Vertical Sky Component**

- 3.3.6 The Vertical Sky Component is a measure of available skylight at a given point on a vertical plane. Diffuse daylight may be adversely affected if after a development the Vertical Sky Component is both less than 27% and less than 0.8 times its former value.
- 3.3.7 The BRE guide states that the total amount of skylight can be calculated by finding the Vertical Sky Component at the centre of each main window. The BRE guide does not define the term 'main window'. However, in our opinion, where a room has

multiple windows, the largest window is usually taken as the main window and the smaller window(s) as secondary. Although we generally follow the practice of testing all windows, including secondary windows, our interpretation of the BRE guide is that the Vertical Sky Component targets do not apply to secondary windows.

#### **Test 2 Daylight Distribution**

- 3.3.8 The distribution of daylight within a room can be calculated by plotting the 'no sky line'. The no sky line is a line which separates areas of the working plane that do and do not have a direct view of the sky. Daylight may be adversely affected if, after the development, the area of the working plane in a room which can receive direct skylight is reduced to less than 0.8 times its former value.
- 3.3.9 The BRE guide states that both the total amount of skylight (Vertical Sky Component) and its distribution within the building (Daylight Distribution) are important. The BRE guide states that where room layouts are known, the impact on the daylighting distribution can be found by plotting the 'no sky line' in each of the main rooms. Therefore, we are of the opinion that application of the test is not a requirement of the BRE guide where room layouts are not known. We don't endorse the practice of applying the test based on assumed room layouts, because the test is very sensitive to the size and layout of the room and the results are likely to be misleading. However, we can provide additional daylight distribution data upon request by the local authority, if neighbouring room layout information is confirmed.

## 3.4 Sunlight availability to Windows

- 3.4.1 The BRE sunlight tests should be applied to all main living rooms and conservatories which have a window which faces within 90 degrees of due south. The guide states that kitchens and bedrooms are less important, although care should be taken not to block too much sunlight. The tests should also be applied to non-domestic buildings where there is a particular requirement for sunlight.
- 3.4.2 The test is intended to be applied to main windows which face within 90 degrees of due south. However, the BRE guide explains that if the main window faces within 90 degrees of due north, but a secondary window faces within 90 degrees of due south, sunlight to the secondary window should be checked. For completeness, we have

tested all windows which face within 90 degrees of due south. The BRE guide states that sunlight availability may be adversely affected if the centre of the window:

- receives less than 25% of annual probable sunlight hours, or less than 5% of annual probable sunlight hours between 21 September and 21 March and
- receives less than 0.8 times its former sunlight hours during either period and
- has a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

#### 3.5 Overshadowing to Gardens and Open Spaces

- 3.5.1 The availability of sunlight should be checked for all open spaces where sunlight is required. This would normally include:
  - Gardens, usually the main back garden of a house
  - Parks and playing fields
  - Children's playgrounds
  - Outdoor swimming pools and paddling pools
  - Sitting out areas, such as those between non-domestic buildings and in public squares
  - Focal points for views such as a group of monuments or fountains.
- 3.5.2 One way to consider overshadowing is by preparing shadow plots. However, the BRE guide states that it must be borne in mind that nearly all structures will create areas of new shadow, and some degree of transient overshadowing is to be expected. Therefore, shadow plots are of limited use as interpretation of the plots is subjective. Shadow plots have not been undertaken as part of this study.
- 3.5.3 The BRE guide also contains an objective overshadowing test which has been adopted for the purpose of this study. The guide recommends that at least 50% of the area of each amenity space listed above should receive at least two hours of sunlight on 21 March. If as a result of new development an existing garden or amenity area does not meet the above, and the area which can receive two hours of sunlight on 21 March is less than 0.8 times its former value, then the loss of light is likely to be noticeable.

#### 4 RESULTS OF THE STUDY

## 4.1 Windows & Amenity Areas Considered

- 4.1.1 The aim of the study is to assess the impact of the development on the light receivable by the neighbouring properties at 1 to 15 & 16 to 30 Azania Mews and 54 to 74, 55 to 57, 61 to 63, 65 to 67, 74a to 74c, 76, 78 & 87 Holmes Road.
- 4.1.2 Appendix 1 provides a plan and photographs to indicate the positions of the windows and outdoor amenity areas analysed in this study. Appendix 2 lists the detailed numerical daylight and sunlight test results.

## 4.2 Daylight to Windows

Vertical Sky Component

4.2.1 All windows with a requirement for daylight pass the Vertical Sky Component test.

**Daylight Distribution** 

4.2.2 We have undertaken the Daylight Distribution test where room layouts are known. All rooms with a requirement for daylight pass the daylight distribution test.

#### 4.3 Sunlight to Windows

4.3.1 All windows that face within 90 degrees of due south have been tested for direct sunlight. All windows with a requirement for sunlight pass both the total annual sunlight hours test and the winter sunlight hours test. The proposed development therefore satisfies the BRE direct sunlight to windows requirements.

## 4.4 Overshadowing to Gardens and Open Spaces

4.4.1 All gardens and open spaces tested meet the BRE recommendations.

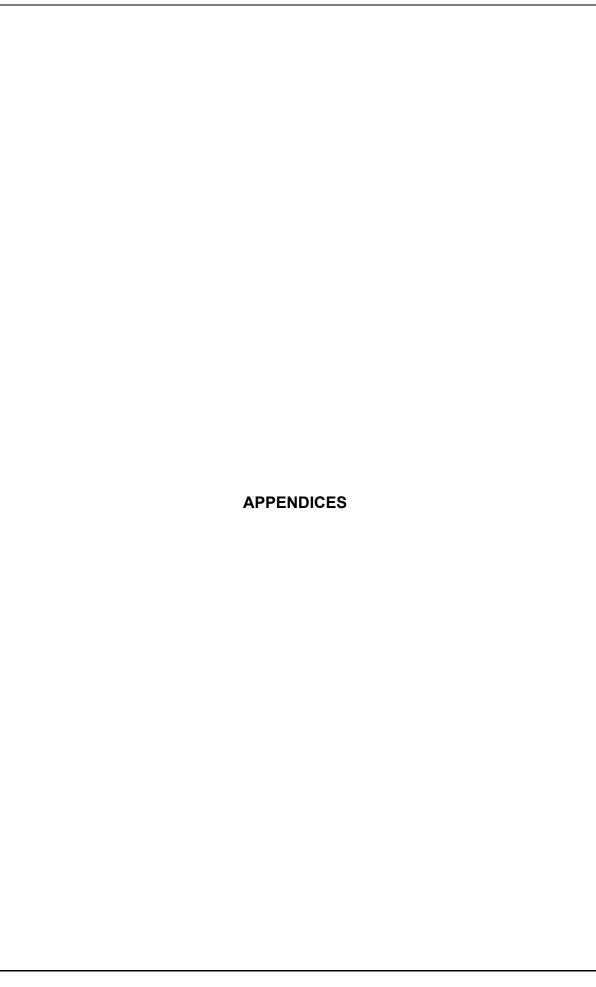
#### 4.5 Conclusion

In summary, the numerical results in this study demonstrate that the proposed development will have a low impact on the light receivable by its neighbouring properties. In our opinion, the proposed development sufficiently safeguards the daylight and sunlight amenity of the neighbouring properties.

#### 5 CLARIFICATIONS

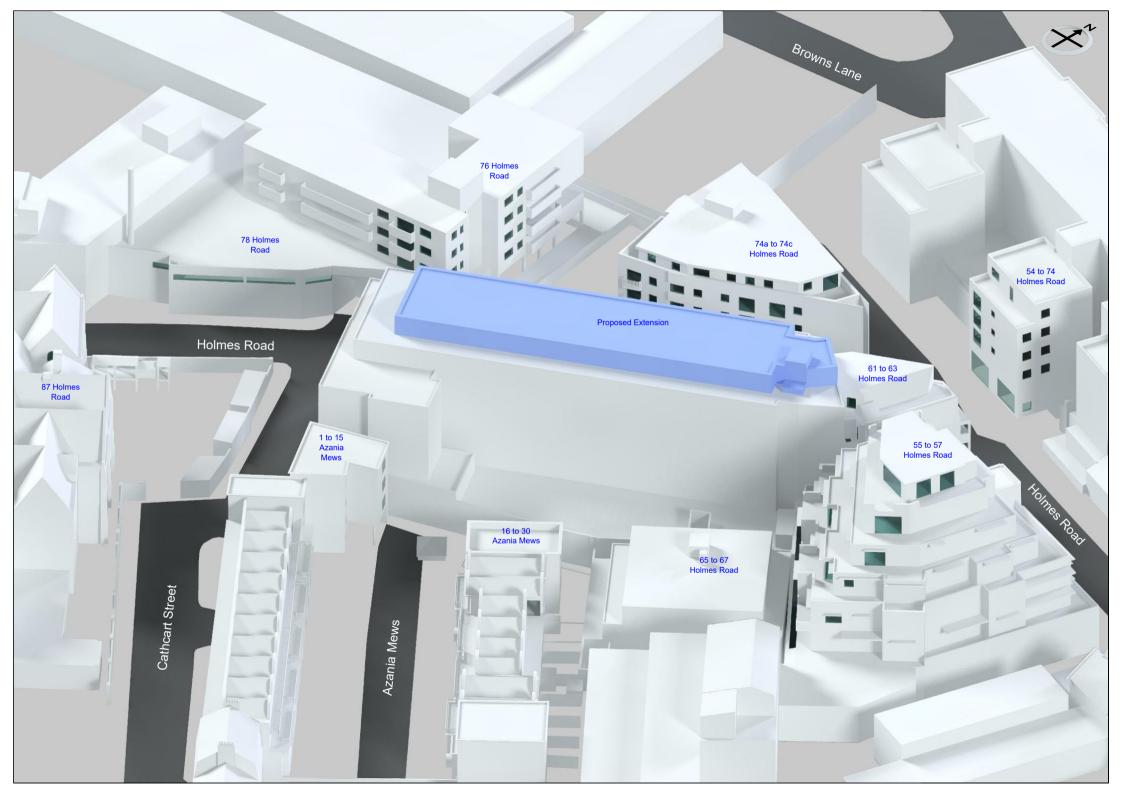
#### 5.1 General

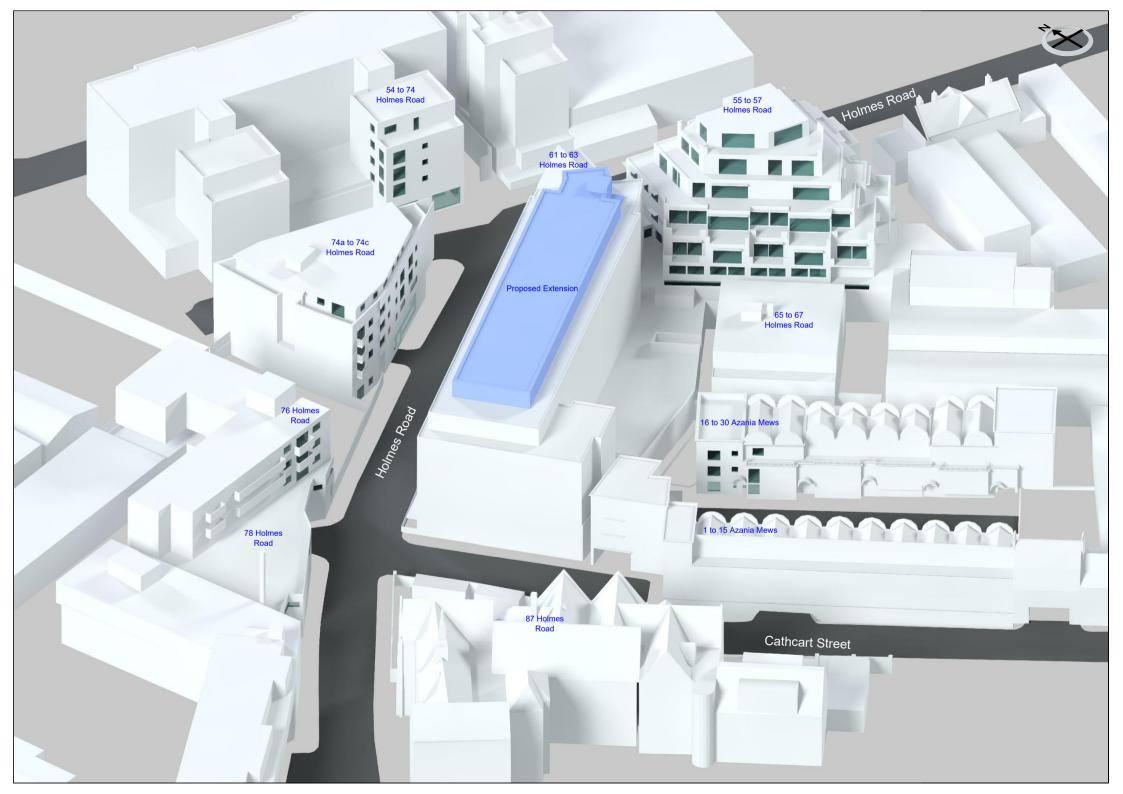
- 5.1.1 The report provided is solely for the use of the client and no liability to anyone else is accepted.
- 5.1.2 The study is limited to assessing daylight, sunlight and overshadowing to neighbouring properties as set out in section 2.2, 3.2 and 3.3 of the BRE Guide.
- 5.1.3 The study is based on the information listed in section 2 of this report. The study has been undertaken without access to the proposed development site or neighbouring properties.
- 5.1.4 This study does not calculate the effects of trees and hedges on daylight, sunlight and overshadowing to gardens. The BRE guide states that it is usual to ignore the effect of existing trees.
- 5.1.5 The impact on solar panels is a material planning consideration. However, the BRE guide does not provide assessment criteria for this. The assessment of impact on any neighbouring solar panels is therefore beyond the scope of this report.
- 5.1.6 We have undertaken the study following the guidelines of the RICS publication "Surveying Safely". Where limited access or information is available, assumptions will have been made which may affect the conclusions reached in this report. For example, where neighbouring room uses are not known, we will either make an assumption regarding the use, or take the prudent approach of treating the use of the room as being used for domestic purposes. Therefore, the report may need to be updated if room uses are confirmed by the local authority or by the consultation responses.
- 5.1.7 This report is based upon and subject to the scope of work set out in Right of Light Consulting's quotation and standard terms and conditions.

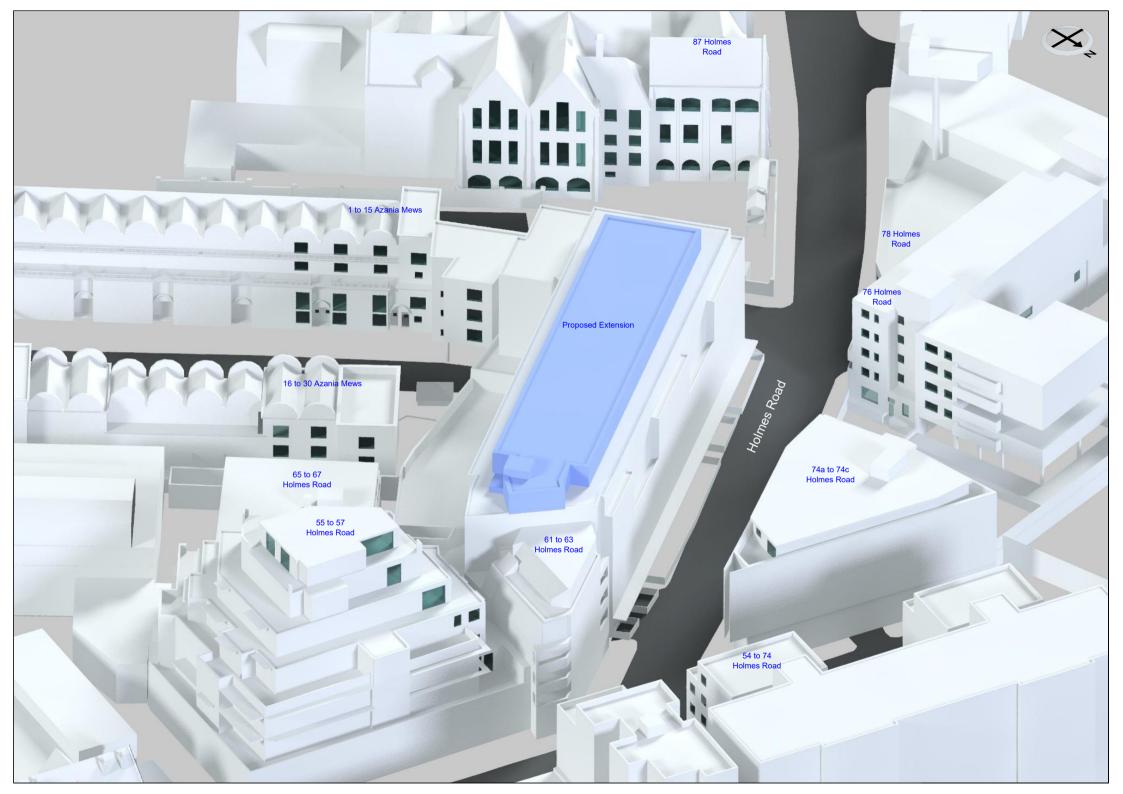


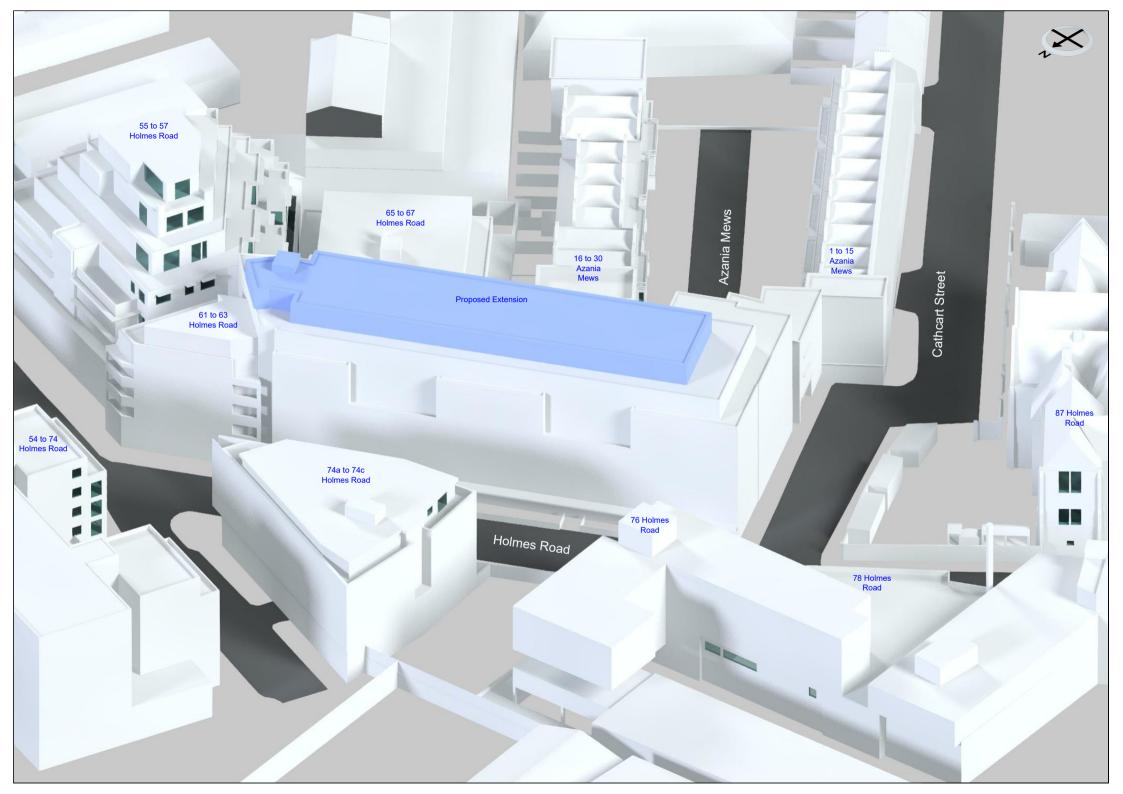
	APPENDIX 1	
	WINDOW & GARDEN KEY	
AVI ICUT AND SUNI ICUT DEDODT		



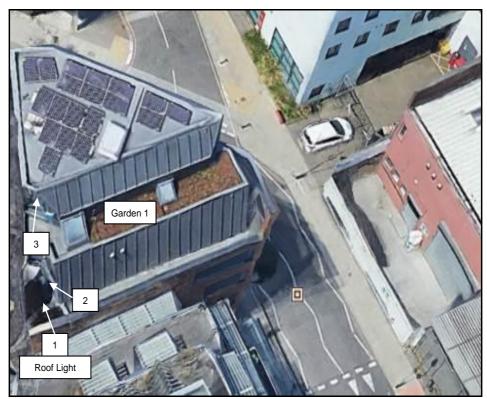




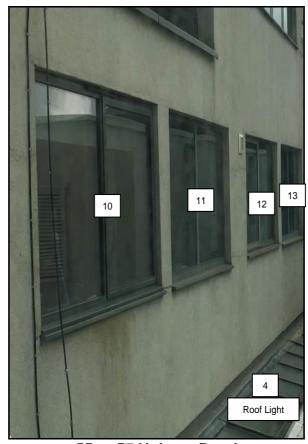




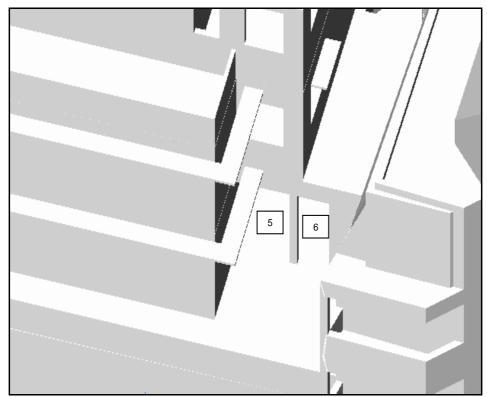
# **Neighbouring Windows**



61 to 63 Holmes Road



55 to 57 Holmes Road



55 to 57 Holmes Road



55 to 57 Holmes Road



55 to 57 Holmes Road



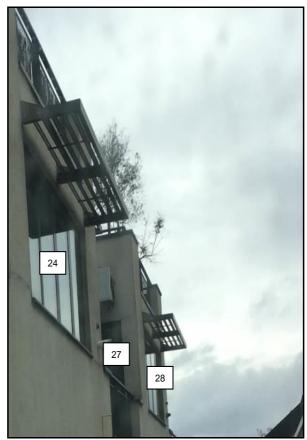
55 to 57 Holmes Road



55 to 57 Holmes Road



55 to 57 Holmes Road



55 to 57 Holmes Road



55 to 57 Holmes Road



55 to 57 Holmes Road



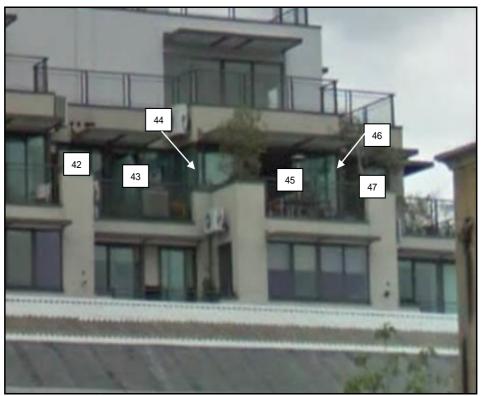
55 to 57 Holmes Road



55 to 57 Holmes Road



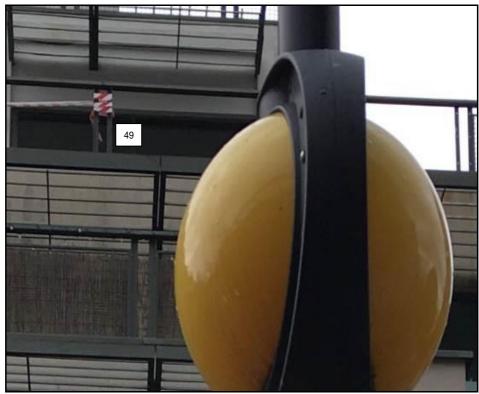
55 to 57 Holmes Road



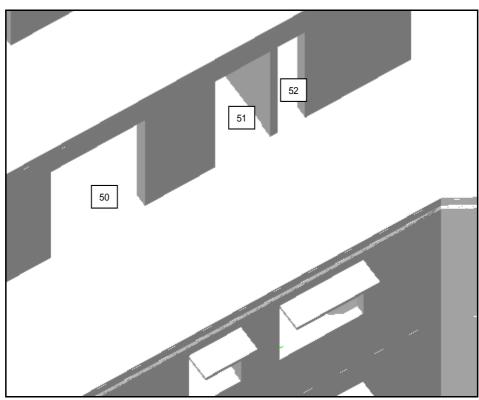
55 to 57 Holmes Road



55 to 57 Holmes Road



55 to 57 Holmes Road



55 to 57 Holmes Road



55 to 57 Holmes Road



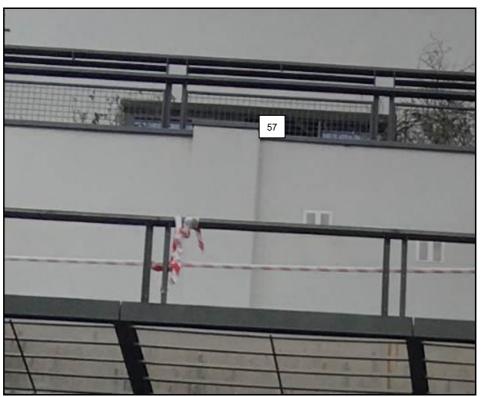
55 to 57 Holmes Road



55 to 57 Holmes Road



55 to 57 Holmes Road



55 to 57 Holmes Road

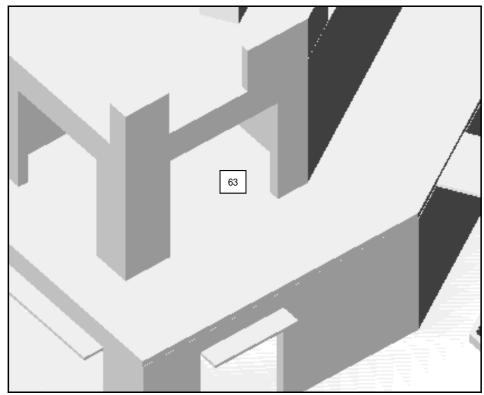




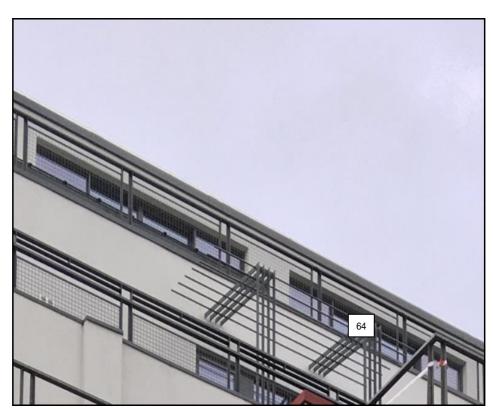
55 to 57 Holmes Road



55 to 57 Holmes Road



55 to 57 Holmes Road



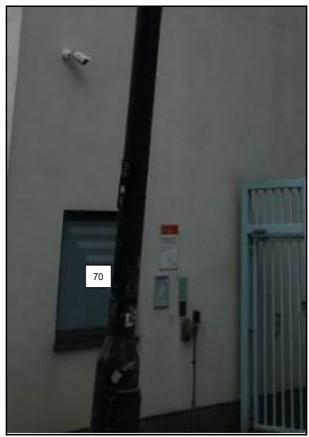
55 to 57 Holmes Road



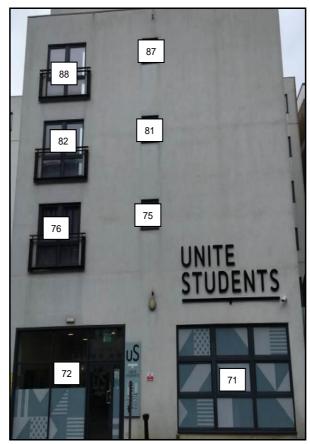
55 to 57 Holmes Road



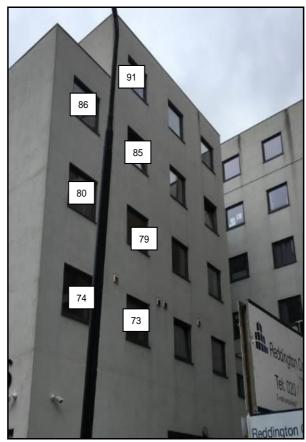
55 to 57 Holmes Road



54 to 74 Holmes Road



54 to 74 Holmes Road



54 to 74 Holmes Road



54 to 74 Holmes Road



54 to 74 Holmes Road



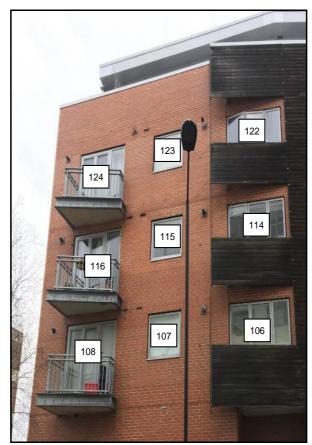
74a to 74c Holmes Road



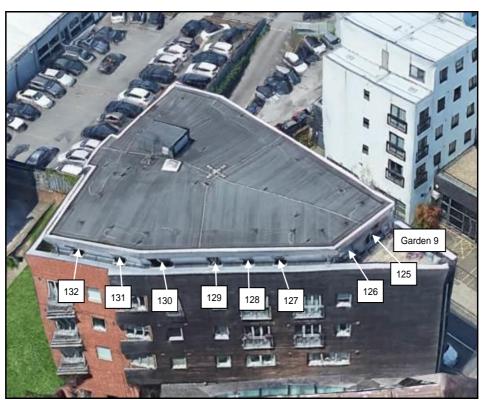
74a to 74c Holmes Road



74a to 74c Holmes Road



74a to 74c Holmes Road



74a to 74c Holmes Road



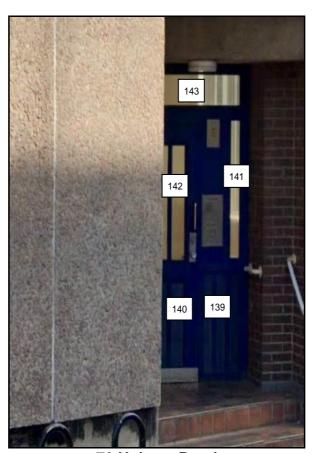
74a to 74c Holmes Road



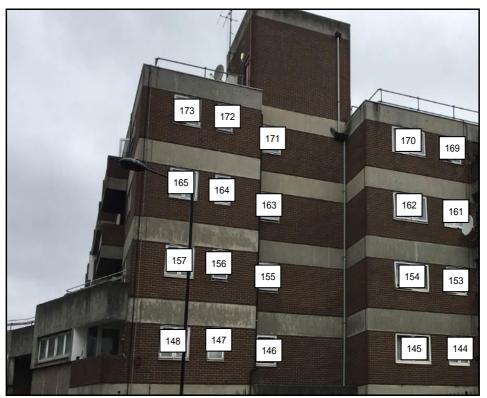
76 Holmes Road



76 Holmes Road



76 Holmes Road



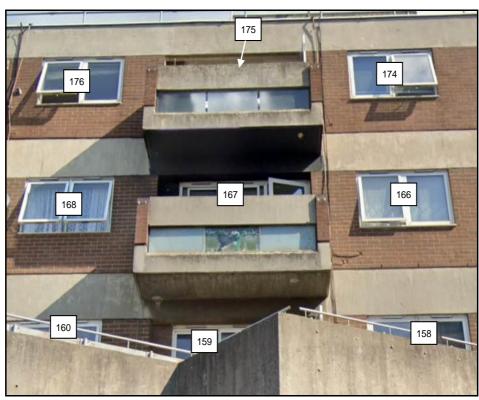
76 Holmes Road



76 Holmes Road



76 Holmes Road



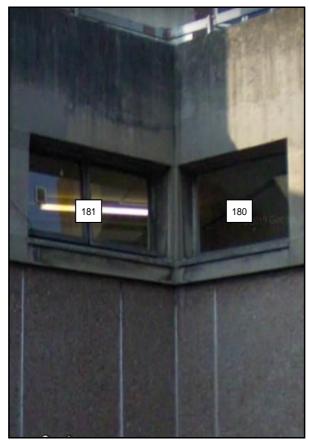
76 Holmes Road



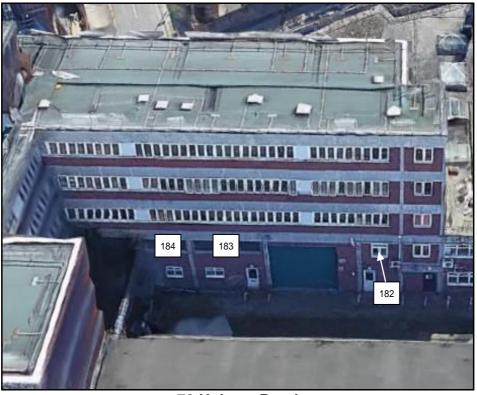
76 Holmes Road



78 Holmes Road



78 Holmes Road



78 Holmes Road



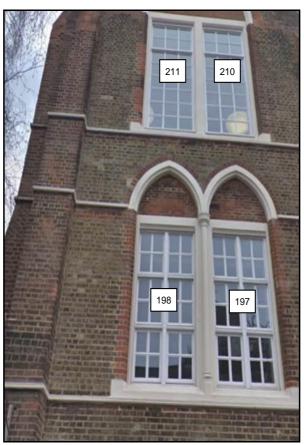
87 Holmes Road



87 Holmes Road



87 Holmes Road



87 Holmes Road



87 Holmes Road



87 Holmes Road



87 Holmes Road

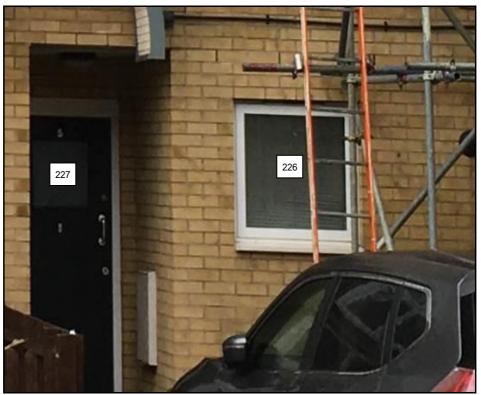


87 Holmes Road





1 to 15 Azania Mews



1 to 15 Azania Mews



1 to 15 Azania Mews



1 to 15 Azania Mews



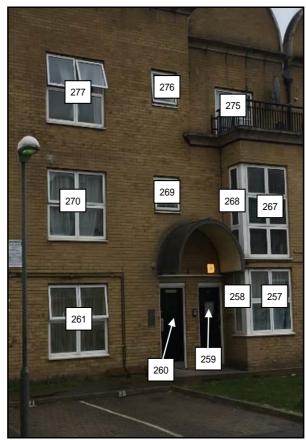
1 to 15 Azania Mews



1 to 15 Azania Mews



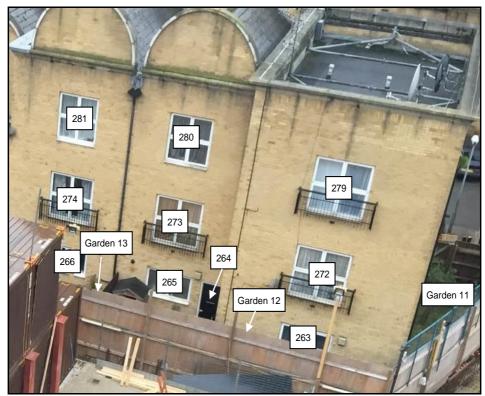
1 to 15 Azania Mews



16 to 30 Azania Mews



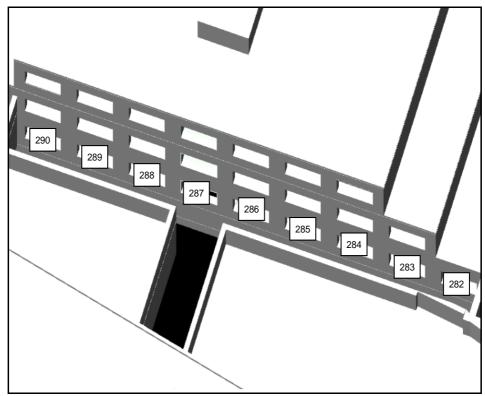
16 to 30 Azania Mews



16 to 30 Azania Mews



16 to 30 Azania Mews



65 to 67 Holmes Road



65 to 67 Holmes Road



65 to 67 Holmes Road

APPENDIX 2	
DAYLIGHT AND SUNLIGHT RESULTS	
	_
AVLICHT AND CLINI ICHT DEDODT	

Appendix 2 - Vertical Sky Component 65 Holmes Road, London NW5 3AU

Reference	Room Use	Before	Vertical Sky (	Component Loss	Ratio
61 to 63 Holmes Road					
Third Floor					
Window 1	Staircase	22.1%	22.1%	0.0%	1.0
Fourth Floor					
Window 2	Staircase	8.3%	8.2%	0.1%	0.99
Fifth Floor					
Window 3	Bedroom	16.5%	16.2%	0.3%	0.98
55 to 57 Holmes Road					
Ground Floor					
Window 4	Office	39.8%	39.7%	0.1%	1.0
First Floor					
Window 5	Office	10.9%	10.9%	0.0%	1.0
Window 6	Office	17.7%	17.7%	0.0%	1.0
Window 7	Office	7.9%	7.9%	0.0%	1.0
Window 8	Office	7.4%	7.3%	0.1%	0.99
Window 9	Office	6.7%	6.7%	0.0%	1.0
Window 10	Office	26.6%	26.6%	0.0%	1.0
Window 11	Office	28.2%	28.2%	0.0%	1.0
Window 12	Office	28.4%	28.4%	0.0%	1.0
Window 13	Office	27.9%	27.9%	0.0%	1.0
Window 14	Office	28.7%	28.6%	0.1%	1.0
Window 15	Office	29.2%	29.1%	0.1%	1.0
Window 16	Office	29.7%	29.5%	0.2%	0.99
Window 17	Office	29.7%	29.5%	0.2%	0.99
Second Floor					
Window 18	Bedroom	14.7%	14.7%	0.0%	1.0
Window 19	Bedroom	3.5%	3.3%	0.2%	0.94
Window 20	Bedroom	4.2%	3.9%	0.3%	0.93
Window 21	Bedroom	21.9%	21.9%	0.0%	1.0
Window 22	Bedroom	20.1%	20.1%	0.0%	1.0
Window 23	Living/Dining/Kitchen	10.6%	10.5%	0.1%	0.99
Window 24	Living/Dining/Kitchen	26.5%	26.3%	0.2%	0.99
Window 25	Bedroom	24.9%	24.8%	0.1%	1.0
Window 26	Bedroom	23.7%	23.5%	0.1%	0.99
Window 27	Living/Dining/Kitchen	17.1%	16.7%	0.4%	0.98
Window 28	Living/Dining/Kitchen	28.3%	28.0%	0.4%	0.99
Window 29	Bedroom	25.4%		0.0%	1.0
VVIIIUUW ZY	Deditotii	25.4%	ZJ.4 70	0.070	1.0

Appendix 2 - Vertical Sky Component 65 Holmes Road, London NW5 3AU

Reference	Room Use	\	/ertical Sky C	Component	
	. 1351 555	Before	After	Loss	Ratio
Window 30	Bedroom	27.3%	27.2%	0.1%	1.0
Window 31	Bedroom	25.7%	25.7%	0.0%	1.0
Third Floor					
Window 32	Bedroom	36.9%	36.9%	0.0%	1.0
Window 33	Bedroom	36.5%	36.5%	0.0%	1.0
Window 34	Bedroom	16.2%	14.9%	1.3%	0.92
Window 35	Study	15.8%	14.5%	1.3%	0.92
Window 36	Bedroom	12.5%	11.6%	0.9%	0.93
Window 37	Bedroom	26.4%	26.4%	0.0%	1.0
Window 38	Bedroom	25.8%	25.7%	0.1%	1.0
Window 39	Living/Dining/Kitchen	10.8%	10.5%	0.3%	0.97
Window 40	Living/Dining/Kitchen	30.9%	30.5%	0.4%	0.99
Window 41	Living/Dining/Kitchen	18.7%	18.7%	0.0%	1.0
Window 42	Living/Dining/Kitchen	28.9%	28.7%	0.2%	0.99
Window 43	Living/Dining/Kitchen	28.8%	28.4%	0.4%	0.99
Window 44	Living/Dining/Kitchen	15.3%	14.5%	0.8%	0.95
Window 45	Living/Dining/Kitchen	32.7%	32.3%	0.4%	0.99
Window 46	Living/Dining/Kitchen	20.9%	20.9%	0.0%	1.0
Window 47	Bedroom	30.2%	30.0%	0.2%	0.99
Window 48	Bedroom	28.0%	28.0%	0.0%	1.0
Fourth Floor					
Window 49	Bedroom	38.7%	38.7%	0.0%	1.0
Window 50	Bedroom	35.9%	34.5%	1.4%	0.96
Window 51	Bedroom	35.1%	33.8%	1.3%	0.96
Window 52	Bedroom	34.8%	33.5%	1.3%	0.96
Window 53	Bedroom	37.1%	36.3%	0.8%	0.98
Window 54	Living/Dining/Kitchen	29.2%	28.4%	0.8%	0.97
Window 55	Living/Dining/Kitchen	30.0%	29.5%	0.5%	0.98
Window 56	Living/Dining/Kitchen	31.1%	31.1%	0.0%	1.0
Fifth Floor					
Window 57	Bedroom	39.5%	39.5%	0.0%	1.0
Window 58	Bedroom	39.6%	38.0%	1.6%	0.96
Window 59	Bathroom/WC	39.6%	37.8%	1.8%	0.95
Window 60	Bedroom	39.6%	38.8%	0.8%	0.98
Window 61	Bedroom	39.6%	39.0%	0.6%	0.98
Window 62	Bedroom	39.6%	39.2%	0.4%	0.99
Window 63	Bedroom	39.6%	39.6%	0.0%	1.0

Appendix 2 - Vertical Sky Component 65 Holmes Road, London NW5 3AU

Reference	Room Use		Vertical Sky C	Component	
	- Room Ose	Before	After	Loss	Ratio
Sixth Floor			- AILOI		- Railo
Sixth Floor Window 64	Living/Dining/Kitchen	37.5%	37.5%	0.0%	1.0
Window 65	Living/Dining/Kitchen	39.6%	39.6%	0.0%	1.0
Window 66	Living/Dining/Kitchen	39.6%	39.6%	0.0%	1.0
Window 67	•	39.6%	39.6%	0.0%	1.0
	Living/Dining/Kitchen				_
Window 68	Living/Dining/Kitchen	39.6%	39.6%	0.0%	1.0
Window 69	Living/Dining/Kitchen	39.6%	39.6%	0.0%	1.0
54 to 74 Holmes Road					
Ground Floor					
Window 70	Office	17.4%	17.4%	0.0%	1.0
Window 71	Office	21.2%	21.1%	0.1%	1.0
Window 72	Common Area	19.6%	19.4%	0.2%	0.99
First Floor					
Window 73	Unknown	18.7%	18.7%	0.0%	1.0
Window 74	Studio	21.8%	21.8%	0.0%	1.0
Window 75	Unknown	26.1%	25.7%	0.4%	0.98
Window 76	Studio	25.4%	24.9%	0.5%	0.98
Window 77	Studio	23.7%	23.7%	0.0%	1.0
Window 78	Unknown	21.8%	21.8%	0.0%	1.0
0 15					
Second Floor	Dadasan	04.00/	04.00/	0.00/	4.0
Window 79	Bedroom	21.9%	21.9%	0.0%	1.0
Window 80	Bedroom	25.0%	25.0%	0.0%	1.0
Window 81	Unknown	29.7%	29.0%	0.7%	0.98
Window 82	Unknown	29.3%	28.7%	0.6%	0.98
Window 83	Unknown	27.8%	27.8%	0.0%	1.0
Window 84	Kitchen	26.0%	26.0%	0.0%	1.0
Third Floor					
Window 85	Domestic	26.1%	26.1%	0.0%	1.0
Window 86	Domestic	28.8%	28.8%	0.0%	1.0
Window 87	Domestic	33.2%	32.4%	0.8%	0.98
Window 88	Domestic	33.2%	32.4%	0.8%	0.98
Window 89	Domestic	32.2%	32.1%	0.1%	1.0
Window 90	Domestic	30.7%	30.6%	0.1%	1.0
Fourth Floor					
Window 91	Domestic	31.3%	31.3%	0.0%	1.0
Window 92	Domestic	36.4%	35.6%	0.8%	0.98
Window 93	Domestic	36.5%	35.7%	0.8%	0.98
Window 94	Domestic	35.1%	35.1%	0.0%	1.0

Appendix 2 - Vertical Sky Component 65 Holmes Road, London NW5 3AU

Reference	Room Use		Vertical Sky C	omponent	
		Before	After	Loss	Ratio
74a to 74a Halmaa Daad					
74a to 74c Holmes Road					
Ground Floor	Б. "	40.00/	40.00/	0.00/	4.0
Window 95	Domestic	13.6%	13.6%	0.0%	1.0
Window 96	Domestic	13.5%	13.5%	0.0%	1.0
Window 97	Domestic	15.0%	14.8%	0.2%	0.99
Window 98	Domestic	13.5%	13.5%	0.0%	1.0
Window 99	Domestic	6.0%	5.9%	0.1%	0.98
Window 100	Domestic	14.7%	14.6%	0.1%	0.99
Window 101	Domestic	14.8%	14.7%	0.1%	0.99
First Floor					
Window 102	Domestic	17.9%	17.5%	0.4%	0.98
Window 103	Domestic	17.7%	17.1%	0.6%	0.97
Window 104	Domestic	17.4%	16.8%	0.6%	0.97
Window 105	Domestic	17.4%	16.8%	0.6%	0.97
Window 106	Domestic	17.7%	17.0%	0.7%	0.96
Window 107	Domestic	19.4%	18.7%	0.7%	0.96
Window 108	Domestic	9.0%	8.2%	0.8%	0.91
		0.070	0.275	0.070	0.0.
Second Floor					
Window 109	Domestic	21.5%	20.6%	0.9%	0.96
Window 110	Domestic	21.4%	20.4%	1.0%	0.95
Window 111	Domestic	21.2%	20.1%	1.1%	0.95
Window 112	Domestic	21.1%	19.9%	1.2%	0.94
Window 113	Domestic	21.1%	19.9%	1.2%	0.94
Window 114	Domestic	21.4%	20.1%	1.3%	0.94
Window 115	Domestic	23.1%	21.8%	1.3%	0.94
Window 116	Domestic	18.8%	17.6%	1.2%	0.94
Thind Floor					
Third Floor	Domestic	25 00/	24.40/	1 10/	0.05
Window 117		25.8%	24.4%	1.4%	0.95
Window 118	Domestic	25.8%	24.1%	1.7%	0.93
Window 119	Domestic	25.6%	23.8%	1.8%	0.93
Window 120	Domestic	25.4%	23.5%	1.9%	0.93
Window 121	Domestic	25.4%	23.5%	1.9%	0.93
Window 122	Domestic	25.6%	23.7%	1.9%	0.93
Window 123	Domestic	27.5%	25.6%	1.9%	0.93
Window 124	Domestic	27.4%	25.7%	1.7%	0.94
Fourth Floor					
Window 125	Domestic	31.0%	30.1%	0.9%	0.97
Window 126	Domestic	30.6%	29.5%	1.1%	0.96
-					

Appendix 2 - Vertical Sky Component 65 Holmes Road, London NW5 3AU

Reference Room Use Vertical Sky (	Component	
Before After	Loss	Ratio
Window 127 Domestic 28.2% 25.8%	2.4%	0.91
Window 128 Domestic 28.1% 25.7%	2.4%	0.91
Window 129 Domestic 28.0% 25.5%	2.5%	0.91
Window 130 Domestic 28.0% 25.4%	2.6%	0.91
Window 131 Domestic 28.5% 26.0%	2.5%	0.91
Window 132 Domestic 29.0% 26.6%	2.4%	0.92
Window 133 Domestic 35.5% 35.4%	0.1%	1.0
Window 134 Domestic 34.0% 33.9%	0.1%	1.0
76 Holmes Road		
Ground Floor		
Window 135 Domestic 21.4% 21.0%	0.4%	0.98
Window 136 Domestic 22.4% 22.1%	0.3%	0.99
Window 137 Domestic 23.2% 22.8%	0.4%	0.98
Window 138 Domestic 22.3% 22.2%	0.1%	1.0
Window 139 Domestic 9.2% 9.2%	0.0%	1.0
Window 140 Domestic 8.2% 8.2%	0.0%	1.0
Window 141 Domestic 6.1% 6.1%	0.0%	1.0
Window 142 Domestic 4.9% 4.9%	0.0%	1.0
Window 143 Domestic 0.7% 0.7%	0.0%	1.0
First Floor		
Window 144 Domestic 23.6% 23.1%	0.5%	0.98
Window 145 Domestic 25.6% 25.0%	0.6%	0.98
Window 146 Domestic 18.9% 18.7%	0.2%	0.99
Window 147 Domestic 25.6% 25.1%	0.5%	0.98
Window 148 Domestic 25.1% 24.8%	0.3%	0.99
Window 149 Domestic 2.1% 2.1%	0.0%	1.0
Window 150 Domestic 0.5% 0.5%	0.0%	1.0
Window 151 Domestic 24.0% 23.9%	0.1%	1.0
Window 152 Domestic 28.3% 28.3%	0.0%	1.0
Second Floor		
Window 153 Domestic 27.0% 26.3%	0.7%	0.97
Window 154 Domestic 28.9% 28.2%	0.7%	0.98
Window 155 Domestic 21.0% 20.7%	0.3%	0.99
Window 156 Domestic 28.5% 27.9%	0.6%	0.98
Window 157 Domestic 28.1% 27.5%	0.6%	0.98
Window 158 Domestic 28.0% 27.7%	0.3%	0.99
Window 159 Domestic 13.1% 13.0%	0.1%	0.99
Window 160 Domestic 29.7% 29.6%	0.1%	1.0

Appendix 2 - Vertical Sky Component 65 Holmes Road, London NW5 3AU

Reference	Room Use		/ertical Sky C	Component	
		Before	After	Loss	Ratio
Third Floor					
Window 161	Domestic	30.5%	29.8%	0.7%	0.98
Window 162	Domestic	32.3%	31.5%	0.8%	0.98
Window 163	Domestic	23.5%	23.1%	0.4%	0.98
Window 164	Domestic	31.6%	30.7%	0.9%	0.97
Window 165	Domestic	31.1%	30.3%	0.8%	0.97
Window 166	Domestic	30.8%	30.4%	0.4%	0.99
Window 167	Domestic	15.0%	14.6%	0.4%	0.97
Window 168	Domestic	32.1%	31.8%	0.3%	0.99
Fourth Floor					
Window 169	Domestic	35.7%	35.0%	0.7%	0.98
Window 170	Domestic	35.6%	34.7%	0.9%	0.97
Window 171	Domestic	28.2%	27.9%	0.3%	0.99
Window 172	Domestic	34.6%	33.5%	1.1%	0.97
Window 173	Domestic	34.3%	33.1%	1.2%	0.97
Window 174	Domestic	35.0%	34.4%	0.6%	0.98
Window 175	Domestic	35.5%	35.0%	0.5%	0.99
Window 176	Domestic	36.9%	36.5%	0.4%	0.99
78 Holmes Road					
First Floor Mezzanine					
Window 177	Unknown	28.1%	28.0%	0.1%	1.0
Window 178	Unknown	30.7%	30.7%	0.0%	1.0
Window 179	Unknown	31.3%	31.3%	0.0%	1.0
Window 180	Unknown	21.7%	21.7%	0.0%	1.0
Window 181	Unknown	26.8%	26.8%	0.0%	1.0
Window 182	Unknown	33.0%	33.0%	0.0%	1.0
Window 183	Unknown	27.0%	27.0%	0.0%	1.0
Window 184	Unknown	22.7%	22.7%	0.0%	1.0
87 Holmes Road					
Ground Floor					
Window 185(BW)	Classroom	23.7%	23.7%	0.0%	1.0
Window 186	Classroom	19.8%	19.7%	0.1%	0.99
Window 187	Classroom	27.4%	27.4%	0.0%	1.0
Window 188	Classroom	27.3%	27.3%	0.0%	1.0
Window 189	Classroom	25.6%	25.6%	0.0%	1.0
Window 190	Bathroom/WC	16.6%	16.6%	0.0%	1.0
Window 191	Classroom	25.7%	25.7%	0.0%	1.0

Appendix 2 - Vertical Sky Component 65 Holmes Road, London NW5 3AU

Reference	Room Use	,	/ertical Sky C	`omponent	
Reference	Noon ose	Before	After	Loss	Ratio
Window 192	Classroom	25.2%	25.2%	0.0%	1.0
Window 193	Classroom	25.2%	25.2%	0.0%	1.0
Window 193 Window 194	Classroom	25.2%	25.0%	0.0%	1.0
Willdow 194	Classiooni	23.070	23.0 /0	0.076	1.0
Ground Floor Mezzanine					
Window 195	Bathroom/WC	25.9%	25.9%	0.0%	1.0
Window 196	Bathroom/WC	18.4%	18.4%	0.0%	1.0
First Floor					
Window 197	Classroom	29.6%	29.6%	0.0%	1.0
Window 198	Classroom	29.8%	29.8%	0.0%	1.0
Window 199	Classroom	31.6%	31.5%	0.1%	1.0
Window 200	Classroom	31.2%	31.1%	0.1%	1.0
Window 201	Classroom	29.0%	28.9%	0.1%	1.0
Window 202	Bathroom/WC	28.4%	28.3%	0.1%	1.0
Window 203	Bathroom/WC	20.4%	20.3%	0.1%	1.0
Window 204	Classroom	30.3%	30.3%	0.0%	1.0
Window 205	Classroom	30.5%	30.5%	0.0%	1.0
Window 206	Classroom	30.4%	30.3%	0.1%	1.0
Window 207	Classroom	30.4%	30.3%	0.1%	1.0
Window 208	Classroom	30.5%	30.5%	0.0%	1.0
Window 209	Classroom	30.4%	30.4%	0.0%	1.0
Second Floor					
Window 210	Classroom	36.9%	36.9%	0.0%	1.0
Window 211	Classroom	36.9%	36.9%	0.0%	1.0
Window 212(BW)	Classroom	35.1%	34.9%	0.2%	0.99
Window 213	Classroom	35.1%	35.0%	0.1%	1.0
Window 214	Classroom	34.9%	34.8%	0.1%	1.0
Window 215	Classroom	33.8%	33.6%	0.2%	0.99
Window 216	Classroom	23.4%	23.4%	0.0%	1.0
Window 217	Bathroom/WC	31.1%	31.0%	0.1%	1.0
Window 218	Bathroom/WC	24.2%	24.0%	0.2%	0.99
Window 219	Classroom	35.1%	34.9%	0.2%	0.99
Window 220	Classroom	35.7%	35.5%	0.2%	0.99
Window 221	Classroom	35.3%	35.1%	0.2%	0.99
Window 221 Window 222	Classroom	35.6%	35.1%	0.2%	0.99
Window 223	Classroom	36.2%	36.1%	0.2 %	1.0
Window 223	Classroom	35.9%	35.7%	0.1%	0.99
1 to 15 Azania Mews	Jidosioom	33.370	33.7 70	0.270	0.99
Ground Floor					
Window 225	Domestic	16.0%	16.0%	0.0%	1.0

Appendix 2 - Vertical Sky Component 65 Holmes Road, London NW5 3AU

D. (	5 !!	,	/- <del>- 1</del> 1 Ol C		
Reference	Room Use		ertical Sky C		D ::
	<b>-</b>	Before	After	Loss	Ratio
Window 226	Domestic	20.3%	20.3%	0.0%	1.0
Window 227	Domestic	8.3%	8.3%	0.0%	1.0
Window 228	Domestic	7.6%	7.6%	0.0%	1.0
Window 229	Domestic	3.1%	3.1%	0.0%	1.0
Window 230	Domestic	23.8%	23.7%	0.1%	1.0
Window 231	Domestic	25.5%	25.3%	0.2%	0.99
Window 232	Domestic	12.8%	12.8%	0.0%	1.0
Window 233	Domestic	10.5%	10.4%	0.1%	0.99
Window 234	Domestic	9.9%	9.7%	0.2%	0.98
Window 235	Domestic	7.9%	7.7%	0.2%	0.97
Window 236	Domestic	26.4%	26.2%	0.2%	0.99
First Floor					
Window 237	Domestic	24.5%	24.5%	0.0%	1.0
Window 238	Domestic	17.8%	17.8%	0.0%	1.0
Window 239	Domestic	21.7%	21.7%	0.0%	1.0
Window 240	Domestic	4.8%	4.7%	0.1%	0.98
Window 241	Domestic	26.0%	25.9%	0.1%	1.0
Window 242	Domestic	28.0%	27.8%	0.2%	0.99
Window 243	Domestic	11.9%	11.9%	0.0%	1.0
Window 244	Domestic	7.4%	7.2%	0.2%	0.97
Window 245	Domestic	28.9%	28.6%	0.3%	0.99
Second Floor					
Window 246	Domestic	27.1%	27.1%	0.0%	1.0
Window 247	Domestic	19.4%	19.4%	0.0%	1.0
Window 248	Domestic	24.3%	24.2%	0.1%	1.0
Window 249	Domestic	23.1%	22.9%	0.2%	0.99
Window 250	Domestic	24.6%	24.3%	0.3%	0.99
Window 251	Domestic	25.1%	24.8%	0.3%	0.99
Third Floor					
Window 252	Domestic	29.0%	28.9%	0.1%	1.0
Window 253	Domestic	26.1%	26.0%	0.1%	1.0
Window 254	Domestic	31.9%	31.6%	0.3%	0.99
Window 255	Domestic	34.1%	33.7%	0.4%	0.99
Window 256	Domestic	34.8%	34.4%	0.4%	0.99
16 to 30 Azania Mews					
Ground Floor					
Window 257	Domestic	23.5%	23.5%	0.0%	1.0
Window 258	Domestic	6.3%	6.3%	0.0%	1.0
Window 259	Domestic	10.6%	10.6%	0.0%	1.0

Appendix 2 - Vertical Sky Component 65 Holmes Road, London NW5 3AU

5.6	5	,			
Reference	Room Use	Before	Vertical Sky C After	Loss	Ratio
Window 260	Domestic	15.2%	15.2%	0.0%	1.0
Window 261	Domestic	20.6%	20.6%	0.0%	1.0
Window 262	Domestic	10.7%	10.7%	0.0%	1.0
Window 263	Domestic	13.0%	13.0%	0.0%	1.0
Window 264	Domestic	11.0%	11.0%	0.0%	1.0
Window 265	Domestic	14.6%	14.6%	0.0%	1.0
Window 266	Domestic	17.0%	16.9%	0.1%	0.99
First Floor					
Window 267	Domestic	26.8%	26.8%	0.0%	1.0
Window 268	Domestic	11.1%	11.0%	0.1%	0.99
Window 269	Domestic	24.6%	24.6%	0.0%	1.0
Window 270	Domestic	24.5%	24.5%	0.0%	1.0
Window 271	Domestic	13.4%	13.4%	0.0%	1.0
Window 272	Domestic	18.9%	18.9%	0.0%	1.0
Window 273	Domestic	20.1%	20.1%	0.0%	1.0
Window 274	Domestic	22.3%	22.2%	0.1%	1.0
Second Floor					
Window 275	Domestic	25.7%	25.7%	0.0%	1.0
Window 276	Domestic	30.2%	30.2%	0.0%	1.0
Window 277	Domestic	28.5%	28.5%	0.0%	1.0
Window 278	Domestic	16.5%	16.2%	0.3%	0.98
Window 279	Domestic	24.6%	24.4%	0.2%	0.99
Window 280	Domestic	25.5%	25.4%	0.1%	1.0
Window 281	Domestic	27.4%	27.2%	0.2%	0.99
65 to 67 Holmes Road					
Ground Floor					
Window 282	Private Study Rooms	7.4%	7.4%	0.0%	1.0
Window 283	Private Study Rooms	8.8%	8.8%	0.0%	1.0
Window 284	Private Study Rooms	8.8%	8.8%	0.0%	1.0
Window 285	Private Study Rooms	8.7%	8.7%	0.0%	1.0
Window 286	Private Study Rooms	8.6%	8.6%	0.0%	1.0
Window 287	Staircase	9.1%	9.1%	0.0%	1.0
Window 288	Private Study Rooms	8.7%	8.7%	0.0%	1.0
Window 289	Private Study Rooms	8.0%	8.0%	0.0%	1.0
Window 290	Private Study Rooms	6.4%	6.4%	0.0%	1.0

Appendix 2 - Vertical Sky Component 65 Holmes Road, London NW5 3AU

Reference	Room Use	V	ertical Sky C	Component	
		Before	After	Loss	Ratio
First Floor					
Window 291	Accommodation Rooms	14.8%	14.8%	0.0%	1.0
Window 292	Accommodation Rooms	14.4%	14.4%	0.0%	1.0
Window 293	Accommodation Rooms	14.0%	14.0%	0.0%	1.0
Window 294	Accommodation Rooms	13.5%	13.5%	0.0%	1.0
Window 295	Staircase	13.0%	13.0%	0.0%	1.0
Window 296	Accommodation Rooms	12.5%	12.5%	0.0%	1.0
Window 297	Accommodation Rooms	11.8%	11.8%	0.0%	1.0
Window 298	Accommodation Rooms	10.9%	10.9%	0.0%	1.0
Window 299	Accommodation Rooms	8.6%	8.6%	0.0%	1.0
Second Floor					
Window 300	Accommodation Rooms	17.8%	17.5%	0.3%	0.98
Window 301	Accommodation Rooms	17.4%	17.1%	0.3%	0.98
Window 302	Accommodation Rooms	16.9%	16.7%	0.2%	0.99
Window 303	Landing	16.4%	16.3%	0.1%	0.99
Window 304	Accommodation Rooms	15.9%	15.8%	0.1%	0.99
Window 305	Accommodation Rooms	15.2%	15.2%	0.0%	1.0
Window 306	Accommodation Rooms	14.4%	14.4%	0.0%	1.0

Appendix 2 - Daylight Distribution 65 Holmes Road, London NW5 3AU

Reference	Room Use		Daylight Dis	stribution	
- Reletefice	Nooni Ose	Before	After	Loss	Ratio
61 to 63 Holmes Road					
Third Floor					
Window 1	Staircase	47%	47%	0.0%	1.0
Fourth Floor					
Window 2	Staircase	22%	22%	0.0%	1.0
Fifth Floor					
Window 3	Bedroom	37%	37%	0.0%	1.0
55 to 57 Holmes Road					
Ground Floor					
Window 4	Office	92%	92%	0.0%	1.0
First Floor					
Windows 5 to 17	Office	99%	99%	0.0%	1.0
Second Floor					
Windows 18 & 19	Bedroom	89%	89%	0.0%	1.0
Window 20	Bedroom	33%	33%	0.0%	1.0
Window 21	Bedroom	95%	95%	0.0%	1.0
Window 22	Bedroom	93%	93%	0.0%	1.0
Windows 23 & 24	Living/Dining/Kitchen	100%	100%	0.0%	1.0
Window 25	Bedroom	99%	99%	0.0%	1.0
Window 26	Bedroom	99%	99%	0.0%	1.0
Windows 27 & 28	Living/Dining/Kitchen	98%	98%	0.0%	1.0
Window 29	Bedroom	100%	100%	0.0%	1.0
Windows 30 & 31	Bedroom	99%	99%	0.0%	1.0
Third Floor					
Windows 32 to 34	Bedroom	94%	94%	0.0%	1.0
Window 35	Study	90%	87%	3.0%	0.97
Window 36	Bedroom	96%	93%	3.0%	0.97
Window 37	Bedroom	100%	100%	0.0%	1.0

Appendix 2 - Daylight Distribution 65 Holmes Road, London NW5 3AU

Reference	Room Use		Daylight Dis	stribution	
residioi	Nooni ooo	Before	After	Loss	Ratio
Window 38	Bedroom	98%	98%	0.0%	1.0
Windows 39 to 42	Living/Dining/Kitchen	99%	99%	0.0%	1.0
Windows 43 to 46	Living/Dining/Kitchen	99%	99%	0.0%	1.0
Windows 47 & 48	Bedroom	100%	100%	0.0%	1.0
Fourth Floor					
Windows 49 to 51	Bedroom	100%	100%	0.0%	1.0
Windows 52 & 53	Bedroom	100%	100%	0.0%	1.0
Window 54	Living/Dining/Kitchen	98%	97%	1.0%	0.99
Windows 55 & 56	Living/Dining/Kitchen	100%	100%	0.0%	1.0
Fifth Floor					
Windows 57 & 58	Bedroom	100%	100%	0.0%	1.0
Window 59	Bathroom/WC	99%	99%	0.0%	1.0
Window 60	Bedroom	99%	99%	0.0%	1.0
Window 61	Bedroom	100%	100%	0.0%	1.0
Windows 62 & 63	Bedroom	100%	100%	0.0%	1.0
Sixth Floor					
Windows 64 to 69	Living/Dining/Kitchen	100%	100%	0.0%	1.0
54 to 74 Holmes Road					
Ground Floor					
Windows 70 & 71	Office	99%	99%	0.0%	1.0
Window 72	Common Area	39%	37%	2.0%	0.95
First Floor					
Window 73	Unknown	79%	79%	0.0%	1.0
Window 74	Studio	91%	91%	0.0%	1.0
Window 75	Unknown	31%	29%	2.0%	0.94
Windows 76 & 77	Studio	97%	97%	0.0%	1.0
Window 78	Unknown	63%	63%	0.0%	1.0

Second Floor

Appendix 2 - Daylight Distribution 65 Holmes Road, London NW5 3AU

Reference	Room Use		Daylight Dis	stribution	
Reference	Room use	Before	After	Loss	Ratio
Window 79	Bedroom	72%	72%	0.0%	1.0
Window 80	Bedroom	95%	95%	0.0%	1.0
Window 81	Unknown	39%	35%	4.0%	0.9
Windows 82 & 83	Unknown	99%	99%	0.0%	1.0
Window 84	Kitchen	79%	79%	0.0%	1.0
78 Holmes Road					
First Floor Mezzanine					
Windows 177 to 1to 184	Unknown	100%	100%	0.0%	1.0
87 Holmes Road					
Ground Floor					
Windows 185(BW) to 189	Classroom	95%	95%	0.0%	1.0
Window 190	Bathroom/WC	73%	73%	0.0%	1.0
Windows 191 & 192	Classroom	71%	71%	0.0%	1.0
Windows 193 & 194	Classroom	62%	62%	0.0%	1.0
Ground Floor Mezzanine					
Window 195	Bathroom/WC	95%	95%	0.0%	1.0
Window 196	Bathroom/WC	91%	91%	0.0%	1.0
First Floor					
Windows 197 to 201	Classroom	98%	98%	0.0%	1.0
Window 202	Bathroom/WC	95%	95%	0.0%	1.0
Window 203	Bathroom/WC	91%	91%	0.0%	1.0
Windows 204 to 206	Classroom	96%	96%	0.0%	1.0
Windows 207 to 209	Classroom	98%	98%	0.0%	1.0
Second Floor					
Windows 210 to 216	Classroom	100%	100%	0.0%	1.0
Window 217	Bathroom/WC	97%	97%	0.0%	1.0
Window 218	Bathroom/WC	89%	89%	0.0%	1.0
Windows 219 to 221	Classroom	96%	96%	0.0%	1.0
Windows 222 to 224	Classroom	98%	98%	0.0%	1.0

Appendix 2 - Daylight Distribution 65 Holmes Road, London NW5 3AU

Reference	Room Use		Daylight Dis	stribution	
		Before	After	Loss	Ratio
65 to 67 Holmes Road					
Ground Floor					
Windows 282 to 284	Private Study Rooms	11%	11%	0.0%	1.0
Windows 285 & 286	Private Study Rooms	9%	9%	0.0%	1.0
Window 288	Private Study Rooms	11%	11%	0.0%	1.0
Window 289	Private Study Rooms	7%	7%	0.0%	1.0
Window 290	Private Study Rooms	11%	11%	0.0%	1.0
First Floor					
Window 291	Accommodation Rooms	15%	15%	0.0%	1.0
Window 292	Accommodation Rooms	15%	15%	0.0%	1.0
Window 293	Accommodation Rooms	14%	14%	0.0%	1.0
Window 294	Accommodation Rooms	14%	14%	0.0%	1.0
Window 296	Accommodation Rooms	14%	14%	0.0%	1.0
Window 297	Accommodation Rooms	13%	13%	0.0%	1.0
Window 298	Accommodation Rooms	12%	12%	0.0%	1.0
Window 299	Accommodation Rooms	11%	11%	0.0%	1.0
Second Floor					
Window 300	Accommodation Rooms	19%	19%	0.0%	1.0
Window 301	Accommodation Rooms	19%	18%	1.0%	0.95
Window 302	Accommodation Rooms	18%	17%	1.0%	0.94
Window 303	Landing	0.0%	0.0%	0.0%	1.0
Window 304	Accommodation Rooms	17%	17%	0.0%	1.0
Window 305	Accommodation Rooms	18%	18%	0.0%	1.0
Window 306	Accommodation Rooms	18%	18%	0.0%	1.0

Appendix 2 - Sunlight to Windows 65 Holmes Road, London NW5 3AU

				5	Sunlight to	Window	/S			
Reference	Room Use	Т	Total Sunlight Hours Winter Sunlight Hours							
		Before	After	Loss	Ratio	Before	After	Loss	Ratio	
61 to 63 Holmes Roa	<u>ad</u>									
Third Floor										
Window 1	Staircase	8%	8%	0%	1.0	0%	0%	0%	1.0	
Fourth Floor	01 :	400/	400/	00/	4.0	40/	40/	00/	4.0	
Window 2	Staircase	18%	18%	0%	1.0	4%	4%	0%	1.0	
Fifth Floor										
Window 3	Bedroom	30%	30%	0%	1.0	3%	3%	0%	1.0	
55 to 57 Holmes Roa	ad									
	<u></u>									
Ground Floor	Off:	000/	000/	00/	4.0	00/	00/	00/	4.0	
Window 4	Office	32%	32%	0%	1.0	6%	6%	0%	1.0	
First Floor										
Window 7	Office	13%	13%	0%	1.0	3%	3%	0%	1.0	
Window 10	Office	57%	57%	0%	1.0	23%	23%	0%	1.0	
Window 11	Office	55%	55%	0%	1.0	23%	23%	0%	1.0	
Window 12	Office	59%	59%	0%	1.0	23%	23%	0%	1.0	
Window 13	Office	58%	58%	0%	1.0	20%	20%	0%	1.0	
Window 14	Office	59%	59%	0%	1.0	20%	20%	0%	1.0	
Window 15	Office	54%	54%	0%	1.0	18%	18%	0%	1.0	
Window 16	Office	56%	56%	0%	1.0	18%	18%	0%	1.0	
Window 17	Office	59%	58%	1%	0.98	18%	18%	0%	1.0	
Second Floor										
Window 21	Bedroom	39%	39%	0%	1.0	18%	18%	0%	1.0	
Window 22	Bedroom	35%	35%	0%	1.0	13%	13%	0%	1.0	
Window 24	Living/Dining/Kitchen	48%	48%	0%	1.0	22%	22%	0%	1.0	
Window 25	Bedroom	43%	43%	0%	1.0	19%	19%	0%	1.0	
Window 26	Bedroom	40%	39%	1%	0.98	14%	14%	0%	1.0	
Window 28	Living/Dining/Kitchen	51%	50%	1%	0.98	22%	22%	0%	1.0	
Window 29	Bedroom	46%	46%	0%	1.0	20%	20%	0%	1.0	
Window 30	Bedroom	53%	52%	1%	0.98	22%	22%	0%	1.0	
Window 31	Bedroom	54%	54%	0%	1.0	25%	25%	0%	1.0	
Third Floor										
Window 37	Bedroom	43%	43%	0%	1.0	19%	19%	0%	1.0	
Window 37 Window 38	Bedroom	41%	41%	0%	1.0	14%	14%	0%	1.0	
Window 40	Living/Dining/Kitchen	52%	52%	0%	1.0	23%	23%	0%	1.0	
Window 40 Window 41	Living/Dining/Kitchen	43%	43%	0%	1.0	20%	20%	0%	1.0	
WINGOW TI	2.4.1.9, 2.1.1119,141011011	10 /0	1370	3 /0	1.0	2070	2070	3 /0	1.0	

Appendix 2 - Sunlight to Windows 65 Holmes Road, London NW5 3AU

	Sunlight to Windows								
Reference	Room Use	Т	otal Sun	nlight Hours Winter Sunlight Hours					urs
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
Window 42	Living/Dining/Kitchen	50%	50%	0%	1.0	22%	22%	0%	1.0
Window 43	Living/Dining/Kitchen	47%	46%	1%	0.98	16%	16%	0%	1.0
Window 45	Living/Dining/Kitchen	58%	56%	2%	0.97	24%	24%	0%	1.0
Window 46	Living/Dining/Kitchen	46%	46%	0%	1.0	23%	23%	0%	1.0
Window 47	Bedroom	55%	55%	0%	1.0	25%	25%	0%	1.0
Window 48	Bedroom	53%	53%	0%	1.0	25%	25%	0%	1.0
Fourth Floor									
Window 53	Bedroom	65%	62%	3%	0.95	24%	23%	1%	0.96
Window 54	Living/Dining/Kitchen	53%	50%	3%	0.94	23%	23%	0%	1.0
Window 55	Living/Dining/Kitchen	54%	53%	1%	0.98	23%	23%	0%	1.0
Window 56	Living/Dining/Kitchen	61%	61%	0%	1.0	26%	26%	0%	1.0
Fifth Floor									
Window 60	Bedroom	70%	70%	0%	1.0	25%	25%	0%	1.0
Window 61	Bedroom	70%	70%	0%	1.0	25%	25%	0%	1.0
Window 62	Bedroom	70%	70%	0%	1.0	25%	25%	0%	1.0
Window 63	Bedroom	75%	75%	0%	1.0	26%	26%	0%	1.0
Sixth Floor									
Window 66	Living/Dining/Kitchen	70%	70%	0%	1.0	25%	25%	0%	1.0
Window 67	Living/Dining/Kitchen	86%	86%	0%	1.0	30%	30%	0%	1.0
Window 68	Living/Dining/Kitchen	60%	60%	0%	1.0	20%	20%	0%	1.0
Window 69	Living/Dining/Kitchen	60%	60%	0%	1.0	20%	20%	0%	1.0
54 to 74 Holmes Roa	<u>ad</u>								
Ground Floor	- ·	/		-01				-01	
Window 70	Office	33%	33%	0%	1.0	4%	4%	0%	1.0
Window 71	Office	60%	60%	0%	1.0	8%	8%	0%	1.0
Window 72	Common Area	56%	56%	0%	1.0	7%	7%	0%	1.0
First Floor									
Window 73	Unknown	38%	37%	1%	0.97	14%	13%	1%	0.93
Window 74	Studio	40%	40%	0%	1.0	11%	11%	0%	1.0
Window 75	Unknown	67%	67%	0%	1.0	13%	13%	0%	1.0
Window 76	Studio	67%	66%	1%	0.99	13%	12%	1%	0.92
Second Floor									
Window 79	Bedroom	40%	40%	0%	1.0	14%	14%	0%	1.0
Window 80	Bedroom	44%	43%	1%	0.98	14%	13%	1%	0.93
Window 81	Unknown	76%	74%	2%	0.97	21%	19%	2%	0.9
Window 82	Unknown	74%	73%	1%	0.99	19%	18%	1%	0.95

Appendix 2 - Sunlight to Windows 65 Holmes Road, London NW5 3AU

					Sunlight to	Wi <u>ndow</u>	/S		
Reference	Room Use	Т	otal Sun	light Hou				nlight Ho	urs
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
Third Floor	D	E40/	400/	00/	0.00	400/	470/	00/	0.00
Window 85	Domestic	51%	49%	2%	0.96	19%	17%	2%	0.89
Window 86	Domestic	51%	50%	1%	0.98	17%	16%	1%	0.94
Window 87	Domestic	82%	80%	2%	0.98	27%	25%	2%	0.93
Window 88	Domestic	83%	80%	3%	0.96	28%	25%	3%	0.89
Fourth Floor									
Window 91	Domestic	55%	55%	0%	1.0	20%	20%	0%	1.0
Window 92	Domestic	85%	85%	0%	1.0	30%	30%	0%	1.0
Window 93	Domestic	85%	85%	0%	1.0	30%	30%	0%	1.0
74a to 74c Holmes	Road								
Ground Floor									
Window 95	Domestic	38%	38%	0%	1.0	4%	4%	0%	1.0
Window 96	Domestic	38%	38%	0%	1.0	5%	5%	0%	1.0
Window 97	Domestic	41%	41%	0%	1.0	4%	4%	0%	1.0
Window 98	Domestic	37%	37%	0%	1.0	5%	5%	0%	1.0
Window 99	Domestic	16%	16%	0%	1.0	1%	1%	0%	1.0
Window 100	Domestic	40%	40%	0%	1.0	5%	5%	0%	1.0
Window 101	Domestic	42%	42%	0%	1.0	5%	5%	0%	1.0
First Floor									
Window 102	Domestic	49%	49%	0%	1.0	6%	6%	0%	1.0
Window 103	Domestic	49%	48%	1%	0.98	6%	6%	0%	1.0
Window 104	Domestic	49%	47%	2%	0.96	7%	6%	1%	0.86
Window 105	Domestic	48%	46%	2%	0.96	7%	6%	1%	0.86
Window 106	Domestic	52%	50%	2%	0.96	7%	6%	1%	0.86
Window 107	Domestic	54%	52%	2%	0.96	8%	8%	0%	1.0
Window 108	Domestic	25%	25%	0%	1.0	8%	8%	0%	1.0
Second Floor									
Window 109	Domestic	56%	54%	2%	0.96	9%	7%	2%	0.78
Window 110	Domestic	56%	54%	2%	0.96	9%	7%	2%	0.78
Window 110	Domestic	56%	54%	2%	0.96	9%	7%	2%	0.78
Window 111 Window 112	Domestic	56%	53%	3%	0.95	9%	7%	2%	0.78
Window 112 Window 113	Domestic	55%	52%	3%	0.95	9%	7%	2%	0.78
Window 113 Window 114	Domestic	59%	56%	3%	0.95	9%	7%	2%	0.78
Window 114 Window 115	Domestic	60%	59%	3% 1%	0.93	10%	10%	2% 0%	1.0
Window 116	Domestic	58%	59% 57%	1%	0.98	10%	10%	0%	1.0
VVIIIUUW 110	Domesuc	50%	J1 70	1 70	0.90	1070	1070	U 70	1.0

Third Floor

Appendix 2 - Sunlight to Windows 65 Holmes Road, London NW5 3AU

					Sunlight to	) Wi <u>ndow</u>	/S		
Reference	Room Use	Т	Total Sunlight Hours Winter Sunlight Hours						
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
Window 117	Domestic	64%	62%	2%	0.97	14%	12%	2%	0.86
Window 118	Domestic	65%	63%	2%	0.97	14%	12%	2%	0.86
Window 119	Domestic	65%	63%	2%	0.97	14%	12%	2%	0.86
Window 120	Domestic	63%	61%	2%	0.97	14%	12%	2%	0.86
Window 121	Domestic	63%	61%	2%	0.97	14%	12%	2%	0.86
Window 122	Domestic	68%	66%	2%	0.97	15%	13%	2%	0.87
Window 123	Domestic	72%	69%	3%	0.96	16%	14%	2%	0.88
Window 124	Domestic	72%	69%	3%	0.96	16%	14%	2%	0.88
Fourth Floor									
Window 125	Domestic	47%	43%	4%	0.91	15%	11%	4%	0.73
Window 126	Domestic	46%	42%	4%	0.91	14%	10%	4%	0.71
Window 127	Domestic	66%	62%	4%	0.94	22%	18%	4%	0.82
Window 128	Domestic	66%	61%	5%	0.92	22%	17%	5%	0.77
Window 129	Domestic	66%	62%	4%	0.94	22%	18%	4%	0.82
Window 130	Domestic	66%	62%	4%	0.94	22%	18%	4%	0.82
Window 131	Domestic	74%	68%	6%	0.92	25%	19%	6%	0.76
Window 132	Domestic	74%	69%	5%	0.93	25%	20%	5%	8.0
Window 133	Domestic	49%	48%	1%	0.98	16%	15%	1%	0.94
Window 134	Domestic	46%	46%	0%	1.0	16%	16%	0%	1.0
76 Holmes Road									
Ground Floor									
Window 139	Domestic	19%	19%	0%	1.0	9%	9%	0%	1.0
Window 140	Domestic	20%	20%	0%	1.0	8%	8%	0%	1.0
Window 141	Domestic	10%	10%	0%	1.0	9%	9%	0%	1.0
Window 142	Domestic	9%	9%	0%	1.0	8%	8%	0%	1.0
Window 143	Domestic	1%	1%	0%	1.0	1%	1%	0%	1.0
First Floor									
Window 149	Domestic	4%	4%	0%	1.0	4%	4%	0%	1.0
Window 151	Domestic	57%	57%	0%	1.0	18%	18%	0%	1.0
Window 152	Domestic	57%	57%	0%	1.0	21%	21%	0%	1.0
Second Floor									
Window 158	Domestic	63%	62%	1%	0.98	21%	21%	0%	1.0
Window 159	Domestic	23%	23%	0%	1.0	22%	22%	0%	1.0
Window 160	Domestic	57%	56%	1%	0.98	22%	22%	0%	1.0
Third Floor									
Window 166	Domestic	68%	67%	1%	0.99	23%	23%	0%	1.0
Window 167	Domestic	25%	23%	2%	0.92	23%	22%	1%	0.96

Appendix 2 - Sunlight to Windows 65 Holmes Road, London NW5 3AU

				S	Sunlight to	Window	/S		
Reference	Room Use	Т	Total Sunlight Hours Winter Sunlight Ho						
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
Window 168	Domestic	60%	60%	0%	1.0	25%	25%	0%	1.0
Fourth Floor									
Window 174	Domestic	83%	81%	2%	0.98	26%	25%	1%	0.96
Window 175	Domestic	81%	79%	2%	0.98	27%	26%	1%	0.96
Window 176	Domestic	84%	83%	1%	0.99	27%	26%	1%	0.96
78 Holmes Road									
First Floor Mezzanine									
Window 177	Unknown	53%	53%	0%	1.0	18%	18%	0%	1.0
Window 178	Unknown	62%	62%	0%	1.0	21%	21%	0%	1.0
Window 179	Unknown	62%	62%	0%	1.0	19%	19%	0%	1.0
Window 180	Unknown	46%	46%	0%	1.0	14%	14%	0%	1.0
Window 181	Unknown	55%	55%	0%	1.0	17%	17%	0%	1.0
87 Holmes Road									
Second Floor									
Window 216	Classroom	46%	46%	0%	1.0	6%	6%	0%	1.0
1 to 15 Azania Mews									
Ground Floor									
Window 232	Domestic	20%	20%	0%	1.0	2%	2%	0%	1.0
Elect Elece									
First Floor	Domastia	240/	240/	00/	1.0	20/	20/	00/	1.0
Window 243	Domestic	21%	21%	0%	1.0	3%	3%	0%	1.0
16 to 30 Azania Mews									
Ground Floor									
Window 257	Domestic	49%	49%	0%	1.0	16%	16%	0%	1.0
Window 259	Domestic	19%	19%	0%	1.0	4%	4%	0%	1.0
Window 260	Domestic	30%	30%	0%	1.0	9%	9%	0%	1.0
Window 261	Domestic	43%	43%	0%	1.0	12%	12%	0%	1.0
First Floor									
Window 267	Domestic	52%	52%	0%	1.0	17%	17%	0%	1.0
Window 269	Domestic	41%	41%	0%	1.0	11%	11%	0%	1.0
Window 270	Domestic	48%	48%	0%	1.0	16%	16%	0%	1.0
Second Floor									
Window 275	Domestic	48%	48%	0%	1.0	19%	19%	0%	1.0
Window 276	Domestic	57%	57%	0%	1.0	21%	21%	0%	1.0
Window 277	Domestic	57%	57%	0%	1.0	21%	21%	0%	1.0
VVIIIUUW ZII	שטווופטווט	J1 /0	J1 /0	U /0	1.0	Z I /0	Z I /0	U /0	1.0

Appendix 2 - Overshadowing to Gardens and Open Spaces 65 Holmes Road, London NW5 3AU

Reference	Total Area	Are	a receivi	ng at least two h	ours of su	unlight on 21st M	larch	
		Before		After		Loss		Ratio
61 to 63 Holmes Road								
<u>Fifth Floor</u> Garden 1	19.43 m2	18.35 m2	94%	18.35 m2	94%	0.0 m2	0%	1.0
55 to 57 Holmes Road								
<u>First Floor</u> Garden 2	13.1 m2	9.84 m2	75%	9.84 m2	75%	0.0 m2	0%	1.0
<u>Second Floor</u> Garden 3 Garden 4	7.33 m2 6.43 m2	5.98 m2 6.01 m2	82% 94%	5.98 m2 6.01 m2	82% 94%	0.0 m2 0.0 m2	0% 0%	1.0 1.0
<u>Third Floor</u> Garden 5	76.92 m2	74.99 m2	97%	74.99 m2	97%	0.0 m2	0%	1.0
<u>Fourth Floor</u> Garden 6	122.05 m2	107.53 m2	88%	107.38 m2	88%	0.15 m2	0%	1.0
<u>Fifth Floor</u> Garden 7	111.86 m2	93.69 m2	84%	93.52 m2	84%	0.18 m2	0%	1.0
Sixth Floor Garden 8	66.74 m2	59.45 m2	89%	59.45 m2	89%	0.0 m2	0%	1.0
74a to 74c Holmes Ro	<u>ad</u>							
Fourth Floor Garden 9	16.61 m2	10.97 m2	66%	10.97 m2	66%	0.0 m2	0%	1.0
76 Holmes Road								
Ground Floor Garden 10	391.93 m2	308.38 m2	79%	296.8 m2	76%	11.59 m2	3%	0.96
16 to 30 Azania Mews								
Ground Floor Garden 11 Garden 12	56.43 m2 18.4 m2	5.45 m2 0.42 m2	10%	5.45 m2 0.42 m2	10% 2%	0.0 m2 0.0 m2	0% 0%	1.0
Garden 13	18.66 m2	0.0 m2	0%	0.0 m2	0%	0.0 m2	0%	1.0

APPENDIX 3
OVERSHADOWING TO GARDENS AND OPEN SPACES
OVERSTIADOWING TO GARDENG AND OF ENGLACES

