RIGHT OF LIGHT CONSULTING
Chartered Surveyors

Daylight and Sunlight Report

(Neighbouring Properties)

29 June 2021

212 to 214 High Holborn,
London WC1V 7BF

RICS
Regulated by RICS

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1 EXECUTIVE SUMMARY

1.1 Overview

1.1.1 Right of Light Consulting has been commissioned by Austringer Properties Limited to undertake a daylight and sunlight study of the proposed development at 212 to 214 High Holborn, London WC1V 7BF.

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, 2nd 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 1 to 40 Aria House, 1 to 3 Newton Street and 123 to 126, 127 to 129, 210 & 215 to 222 High Holborn.

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. Where room layouts are not known the daylight distribution test has not been undertaken.

1.1.5 The results confirm that the proposed development does not fully comply with the BRE numerical guidelines. However, the guide makes it clear that in an area with modern high rise buildings, a higher degree of obstruction may be unavoidable if new developments are to match the height and proportions of existing buildings. We are of the opinion that this principle applies to this scheme given the existing high rise buildings in the area. The BRE guide explains that the numerical guidelines should be interpreted flexibly since natural lighting is only one of many factors in site layout design. The local authority should therefore balance daylight and sunlight considerations against all other material planning considerations when deciding whether to grant planning permission.

2 INFORMATION SOURCES

2.1 Drawings

2.1.1 This report is based on the following drawings:

Cassidy + Ashton:

L01	Location Plan	Rev -
L02	Ga Plans As Existing Basement Plan	Rev -
L03	Ga Plans As Existing Basement Plan	Rev -
L04	Ga Plans As Existing Mezzanine Floor	Rev -
L05	Ga Plans As Existing First And Second Floor Plan	Rev A
L06	Ga Plans As Existing Third And Fourth Floor Plan	Rev -
L07	Existing Elevations Front Elevation	Rev D
L08	Elevations As Existing Rear Elevation	Rev C
L09	Ga Plans As Existing Roof Plan	Rev A
P09	Section As Existing	Rev -
P11	Proposed Basement Level Plan	Rev D
P12	Proposed Ground Level Plan	Rev G
P13	Proposed Mezzanine Level Plan	Rev D
P14	Proposed First Floor Plan	Rev D
P15	Proposed Second Floor Plan	Rev D
P16	Proposed Third Floor Plan	Rev D
P17	Proposed Fourth Floor Plan	Rev E
P18	Proposed Front Elevation	Rev H
P19	Proposed Side Elevation 1	Rev F
P20	Proposed Rear Elevation	Rev F
P21	Proposed Side Elevation 2	Rev G
P22	Proposed Section 1	Rev H
P23	Proposed Fifth Floor Plan	Rev E
P24	Proposed Roof Plan	Rev E

CTE Surveys:

YB (214 High Holborn) FP	Floor Plans	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

1 to 3 Newton Street:

266-WD-002 D	Basement Plan Proposed	Rev -
266-WD-003 D	Ground Floor Plan Proposed	Rev -
266-WD-004 D	First Floor Plan Proposed	Rev -
266-WD-005 D	Second Floor Plan Proposed	Rev -
266-WD-006 D	Third Floor Plan Proposed	Rev -

1 to 40 Aria House:

97-1873-50	Basement Plan	Rev-
97-1873-51	Ground Floor Plan	Rev-
97-1873-52A	First Floor Plan	Rev-
97-1873-53A	Second & Third Floor Plans	Rev-
97-1873-54	Fourth Floor Plan	Rev-
97-1873-55	Fifth Floor Plan	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, 2nd 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 40 Aria House, 1 to 3 Newton Street and 123 to 126, 127 to 129, 210 & 215 to 222 High Holborn.

4.1.2 Appendix 1 provides a plan and photographs to indicate the positions of the windows analysed in this study. Appendix 2 lists the detailed numerical daylight and sunlight test results.

4.1.3 We note that 210 and 215 to 222 appear to be non-domestic buildings which in our opinion do not have a requirement for daylight or sunlight. Even though a number of the rooms/windows do not pass the numerical tests, this does not amount to non-compliance with the BRE requirements. Therefore, we have not included these results in the discussion below.

4.2 Daylight to Windows

Vertical Sky Component

4.2.1 All habitable room windows pass the Vertical Sky Component test with the exception of 10 windows at 1 to 40 Aria House (see results highlighted in bold in Appendix 2).

4.2.2 Where windows do not meet the standard BRE targets it does not automatically follow that daylight will be adversely affected. As explained below with reference to the windows that do not meet the standard BRE targets, the BRE guide contains special provisions in certain situations. For example, in the case of an urban location or whether the window is sited close to the common boundary with a development site.

4.2.3 Firstly, the analysis confirms that of the 10 windows, 4 fall only marginally short of the VSC target (windows achieve a reduction ratio of 0.7 and above against the target of 0.8).

4.2.4 Secondly, the BRE guide notes that an important issue is whether the existing building itself is a good neighbour, standing a reasonable distance from the boundary

and taking no more than its fair share of light. We note that the windows at 1 to 40 Aria House are sited close to the common boundary and therefore, in this instance, a higher degree of obstruction is unavoidable.

4.2.5 Thirdly, with the exception of one window serving a kitchen, all windows which do not meet the recommendations serve bedrooms. The BRE guide states that daylight is required in living rooms, kitchens and bedrooms. In the context of daylight distribution, the guide states that bedrooms are less important. The guide does not distinguish between the relative importance of daylight in respect of the vertical sky component test. However, in our opinion less weight should be given to bedrooms than living rooms, on the basis that bedrooms are likely to be used less than living rooms during daylight hours. Furthermore, whilst the BRE guide gives numerical guidelines, it states that these should be interpreted flexibly, since natural lighting is only one of many factors in site layout design.

4.2.6 Finally, the guide acknowledges that in a historic city centre, a higher degree of obstruction may be unavoidable if new developments are to match the height and proportions of existing buildings. We note that the proposed development is to be of similar height and proportion to that of the existing surrounding buildings. In particular, we note that the proposal seeks to match the height and proportions of the property at 210 High Holborn to which the development adjoins. We are therefore of the opinion that the daylight impact on the windows at 1 to 40 Aria House is unavoidable in this instance.

Daylight Distribution

4.2.7 We have undertaken the Daylight Distribution test where room layouts are known. The results confirm that 12 rooms at 1 to 40 Aria House fall short of the Daylight Distribution test. However, we note that 10 of the 12 rooms are bedrooms. In our opinion, this is a mitigating factor because the BRE guide states that bedrooms should be analysed, although they are less important than living rooms, dining rooms and kitchens.

4.2.8 The remaining 2 serve living/dining rooms and achieve reduction ratios of below 0.7 after the development. However, whilst the BRE guide gives numerical guidelines, the

guide states that these should be interpreted flexibly, since natural lighting is only one of many factors in site layout design.

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 There are no nearby gardens or amenity areas directly to the north of the development. The proposed development will therefore not create any new areas which receive less than two hours of sunlight on 21 March. The proposed development therefore satisfies the BRE overshadowing to gardens and open spaces requirements.

4.5 Conclusion

4.5.1 The results confirm that the proposed development does not fully comply with the BRE numerical guidelines. However, the guide makes it clear that in an area with modern high rise buildings, a higher degree of obstruction may be unavoidable if new developments are to match the height and proportions of existing buildings. We are of the opinion that this principle applies to this scheme given the existing high rise buildings in the area. The BRE guide explains that the numerical guidelines should be interpreted flexibly since natural lighting is only one of many factors in site layout design. The local authority should therefore balance daylight and sunlight considerations against all other material planning considerations when deciding whether to grant planning permission.

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 and a visit to the site. We have not had access to 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.

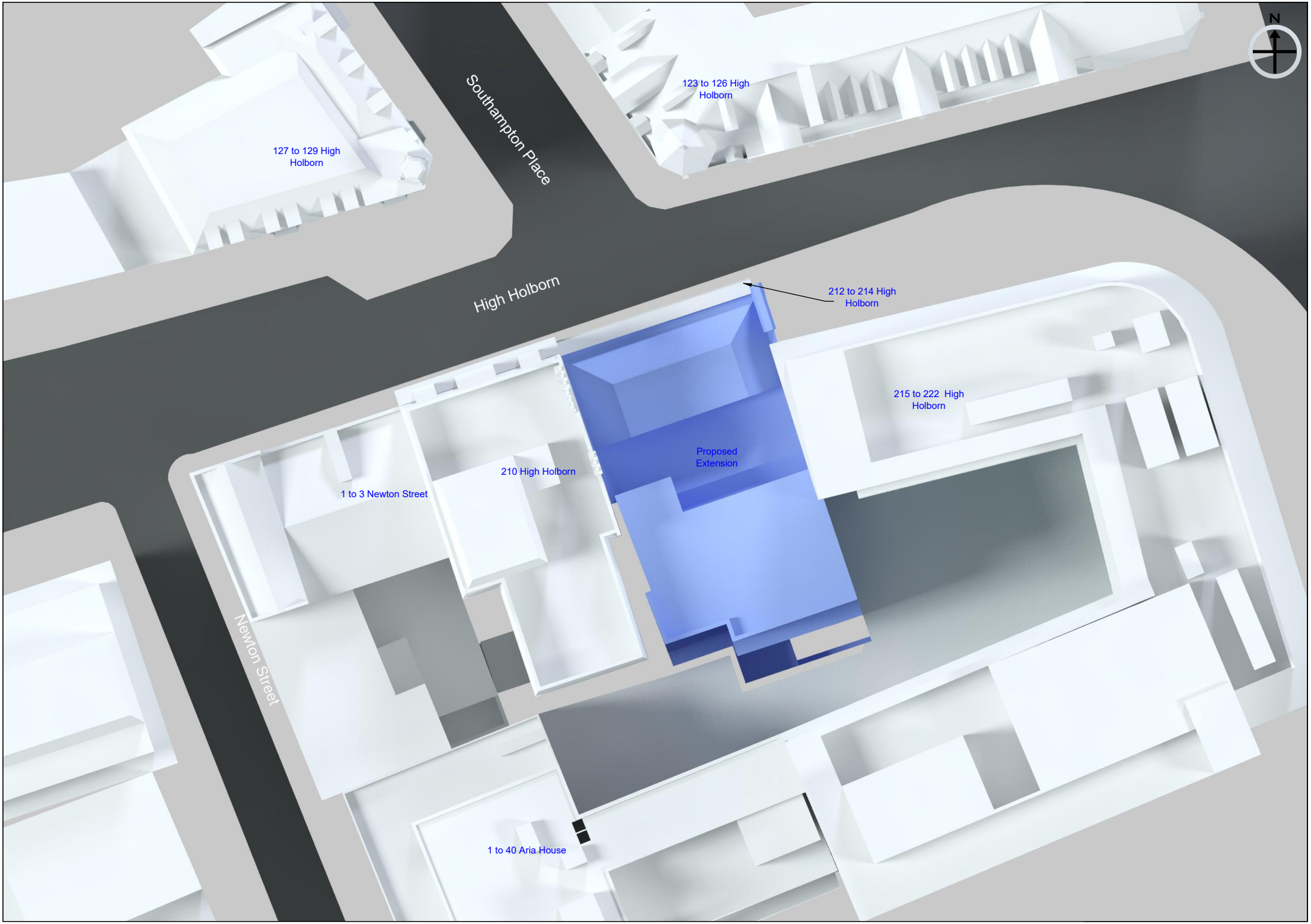
5.1.6 We have undertaken the study following the guidelines of the RICS publication "Surveying Safely". Where limited access or information is available, assumptions will have been made which may affect the conclusions reached in this report. For example, where neighbouring room uses are not known, we 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.

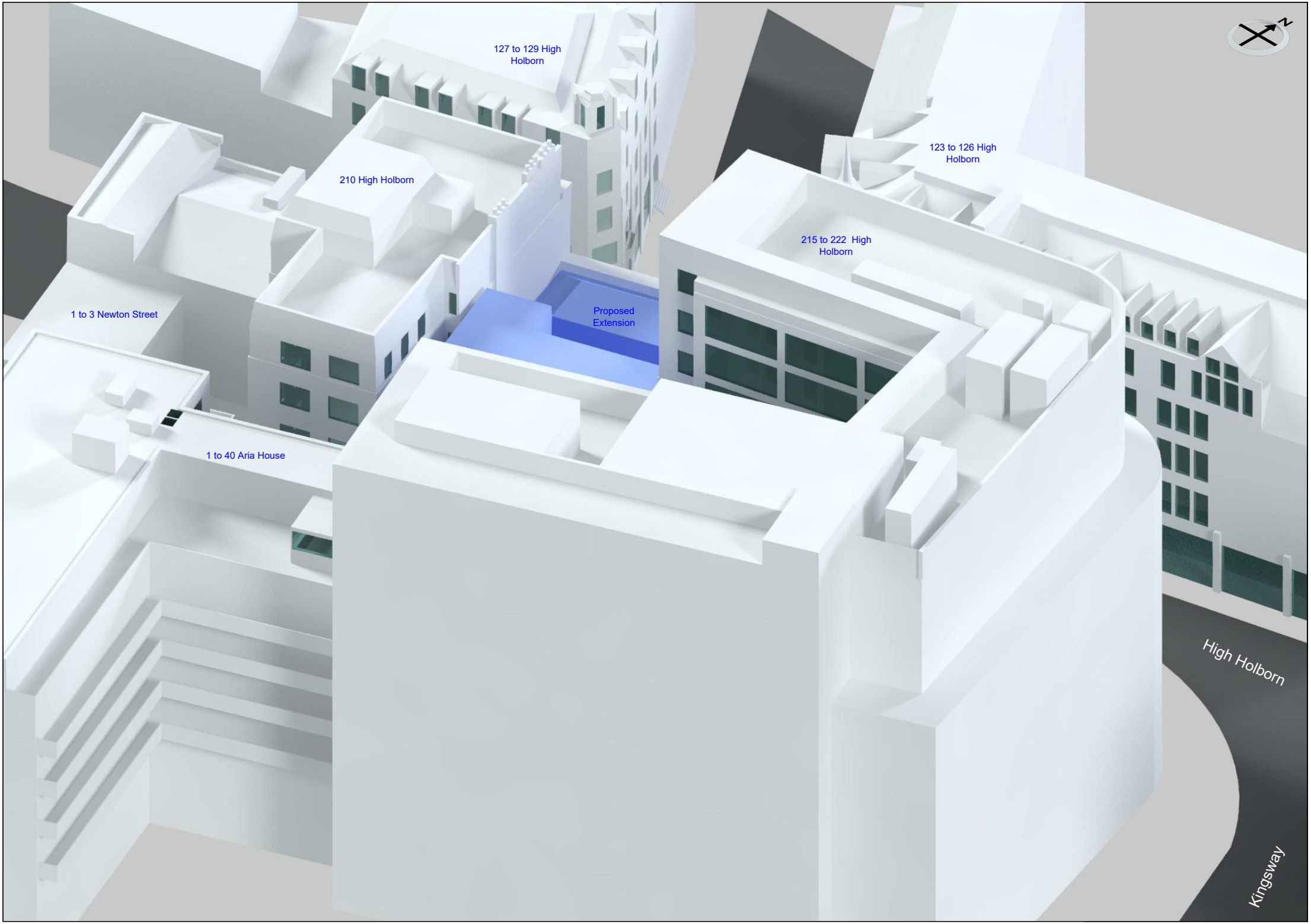
5.1.7 This report is based upon and subject to the scope of work set out in Right of Light Consulting's quotation and standard terms and conditions.

APPENDICES

APPENDIX 1

WINDOW & GARDEN KEY


N
123 to 126 High Holborn
127 to 129 High Holborn
Southampton Place
High Holborn
212 to 214 High Holborn
215 to 222 High Holborn
Proposed Extension
210 High Holborn
1 to 3 Newton Street
Newton Street
1 to 40 Aria House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210 High Holborn
123 to 126 High Holborn
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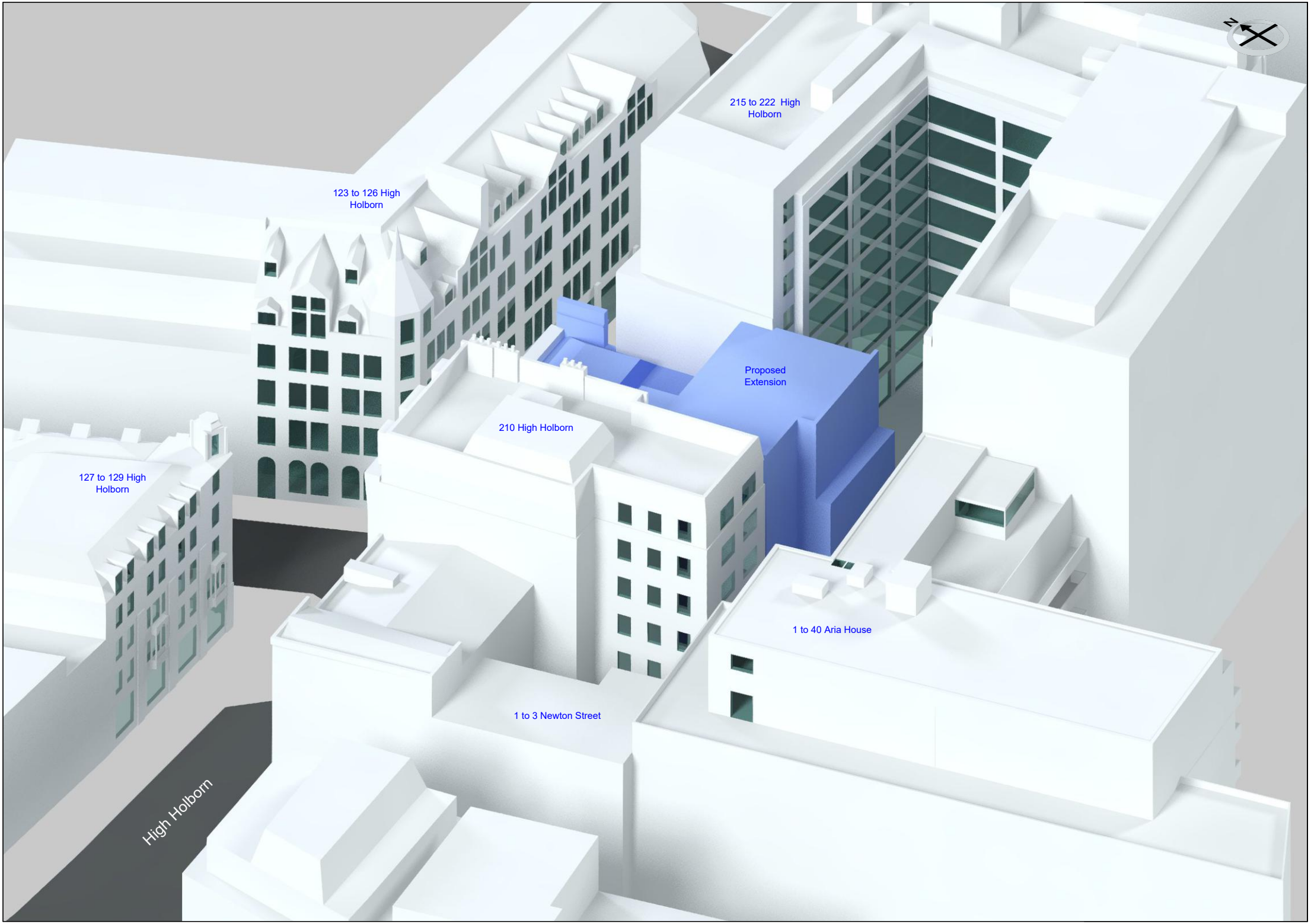
Proposed Extension
1 to 40 Aria House
High Holborn
Kingsway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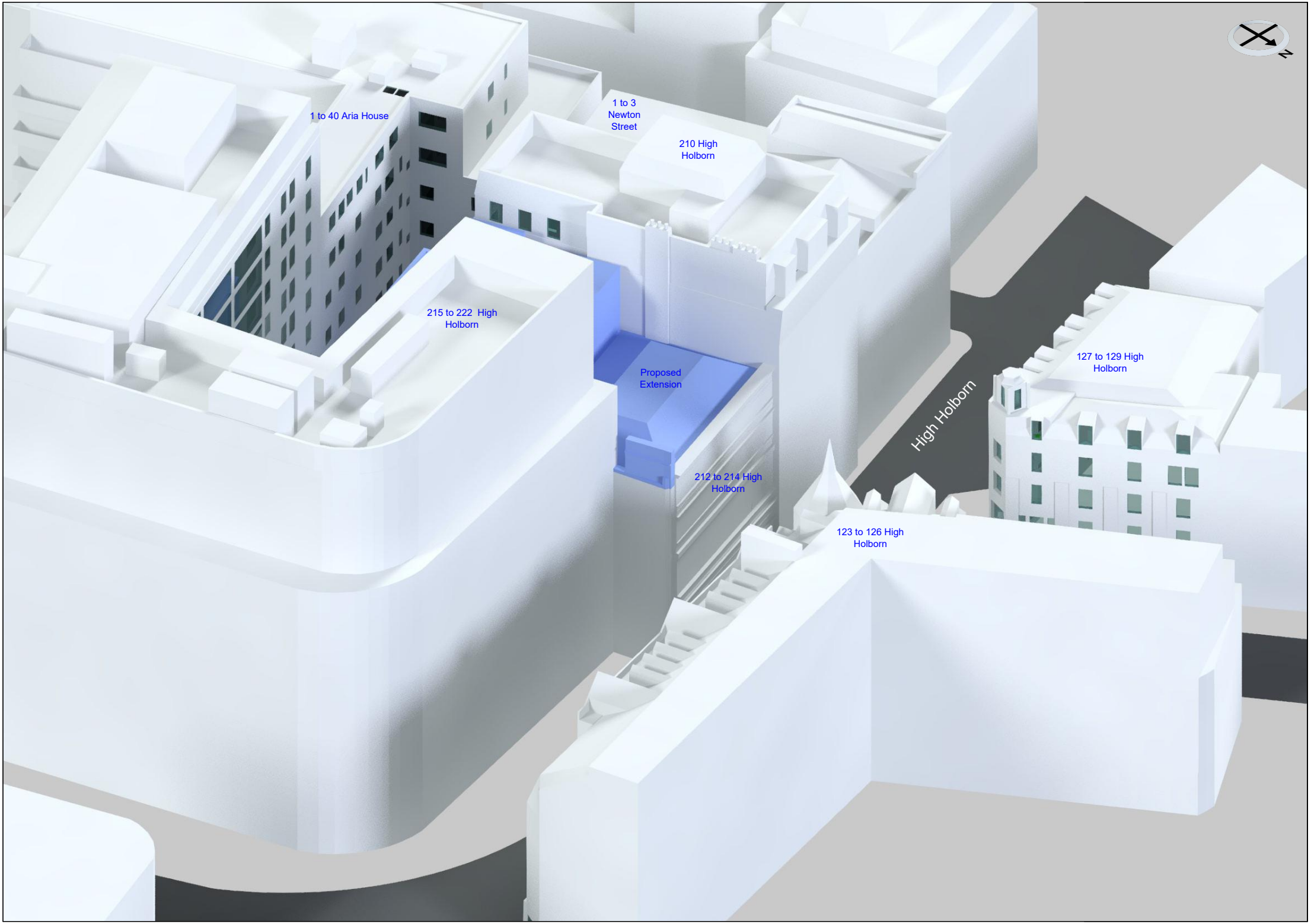
123 to 126 High Holborn
Proposed Extension
210 High Holborn
127 to 129 High Holborn
1 to 40 Aria House
1 to 3 Newton Street
High Holborn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1 to 3 Newton Street
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215 to 222 High Holborn
Proposed Extension
212 to 214 High Holborn
123 to 126 High Holborn
127 to 129 High Holborn
High Holborn
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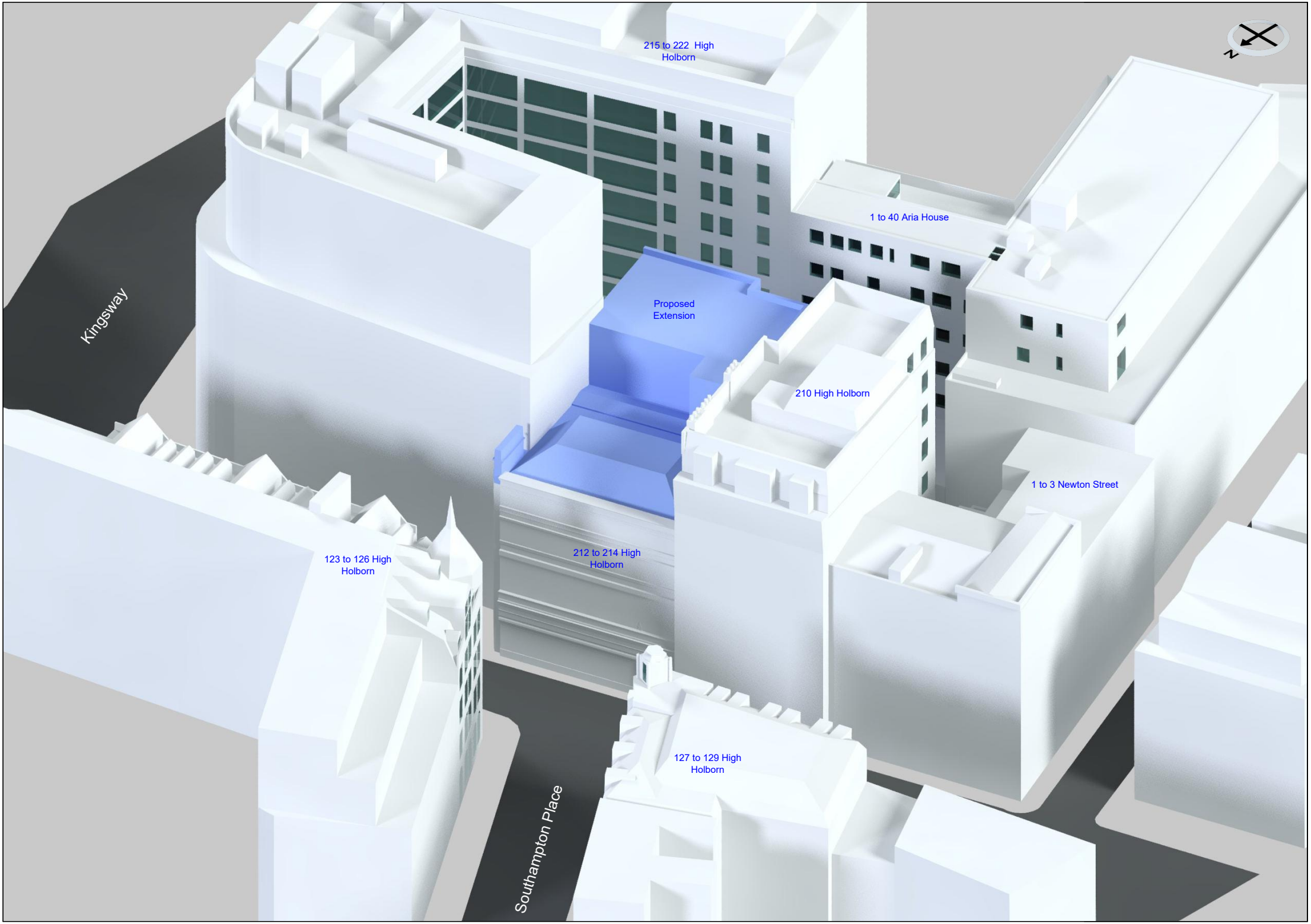
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1 to 40 Aria House
Kingsway
Proposed Extension
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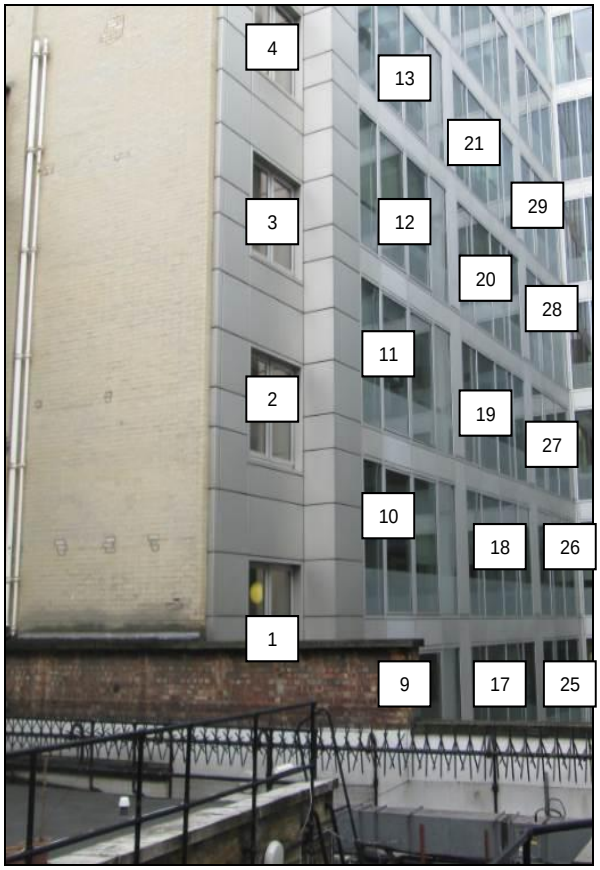
1 to 3 Newton Street
123 to 126 High Holborn
212 to 214 High Holborn
127 to 129 High Holborn
Southampton Place
N

Neighbouring Windows



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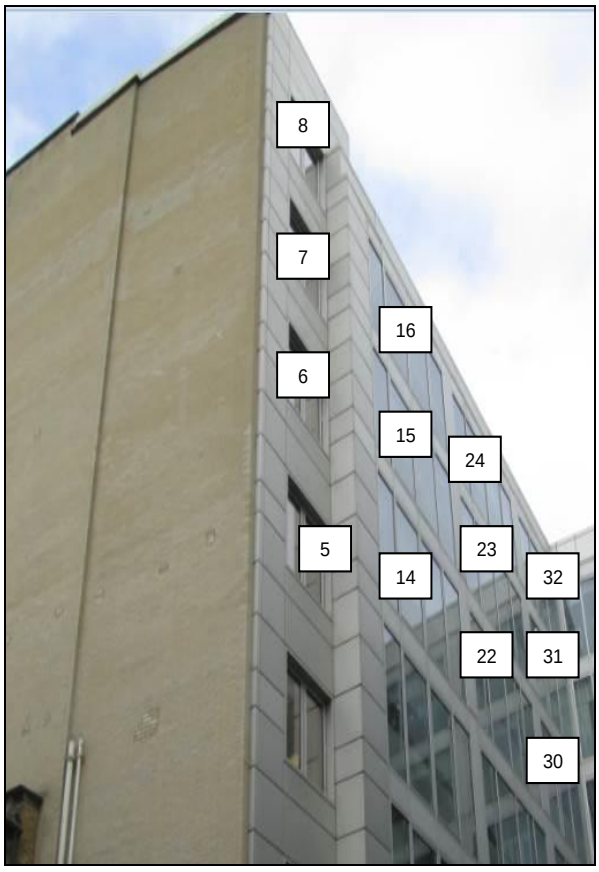

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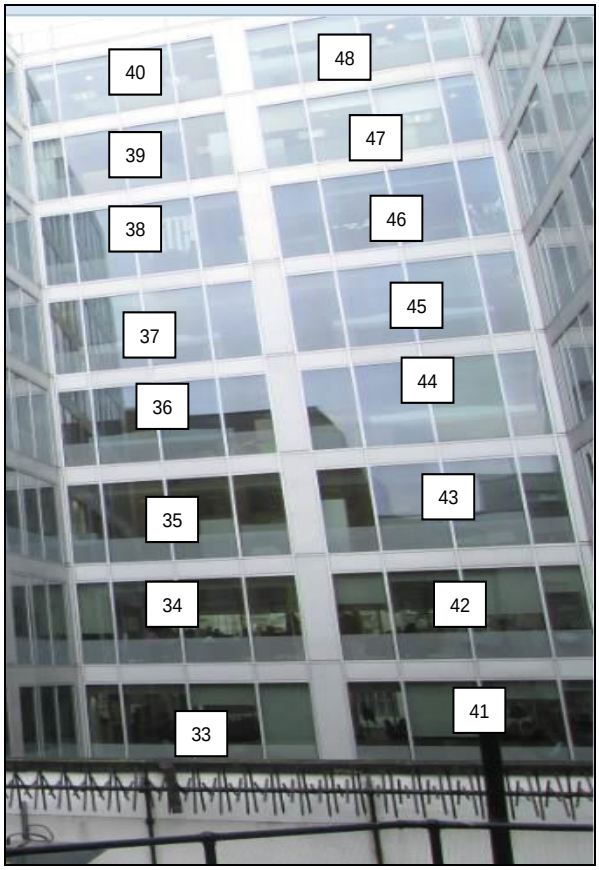

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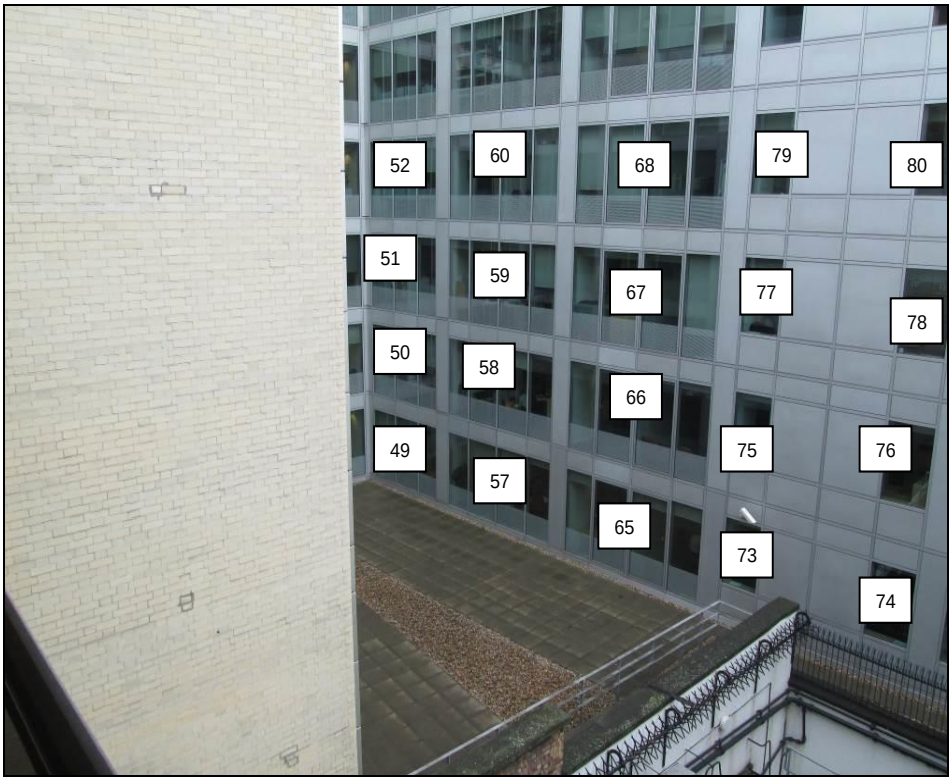

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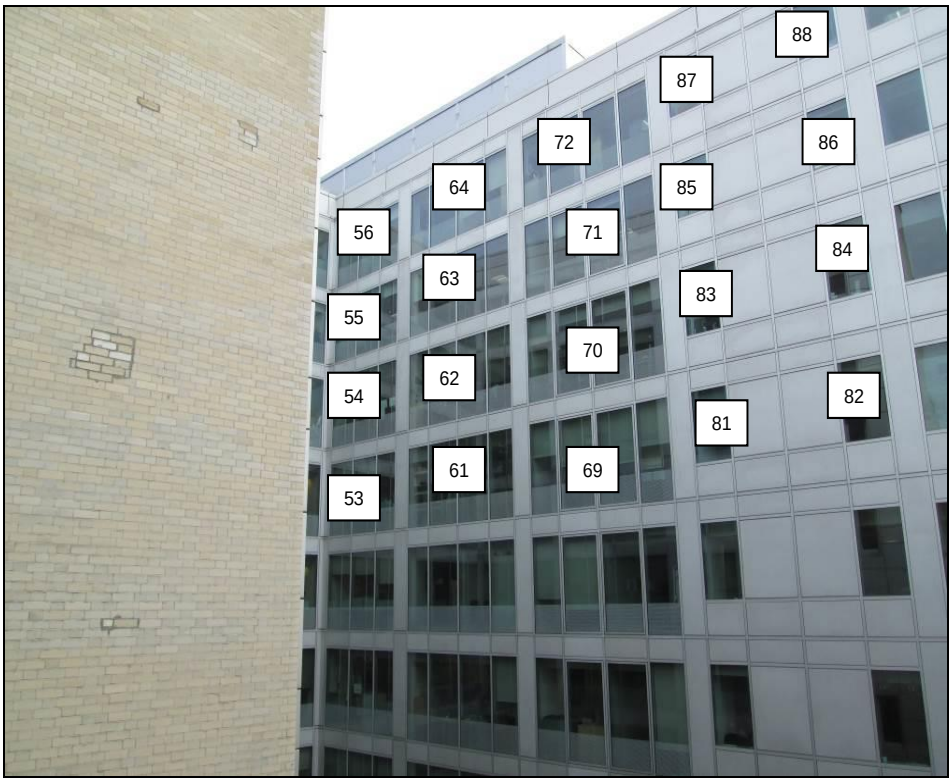

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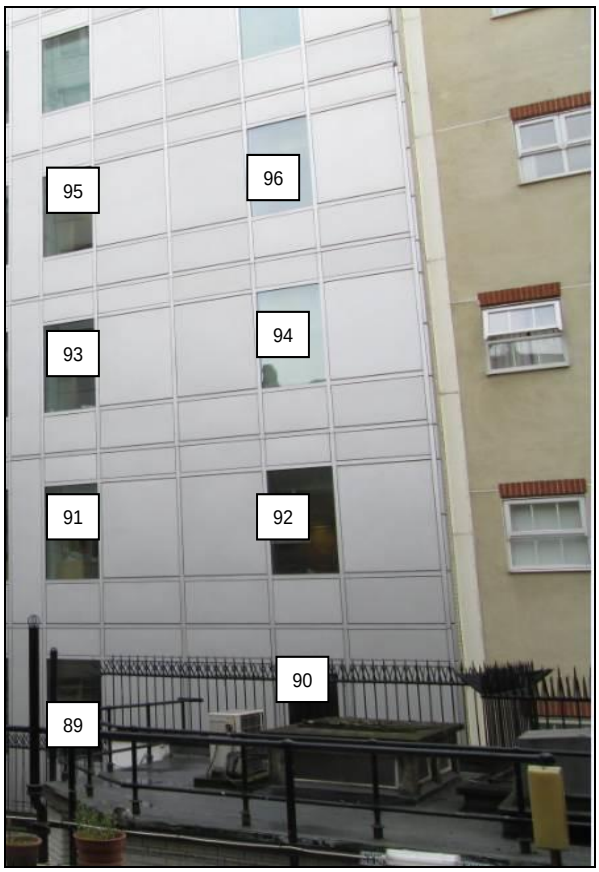

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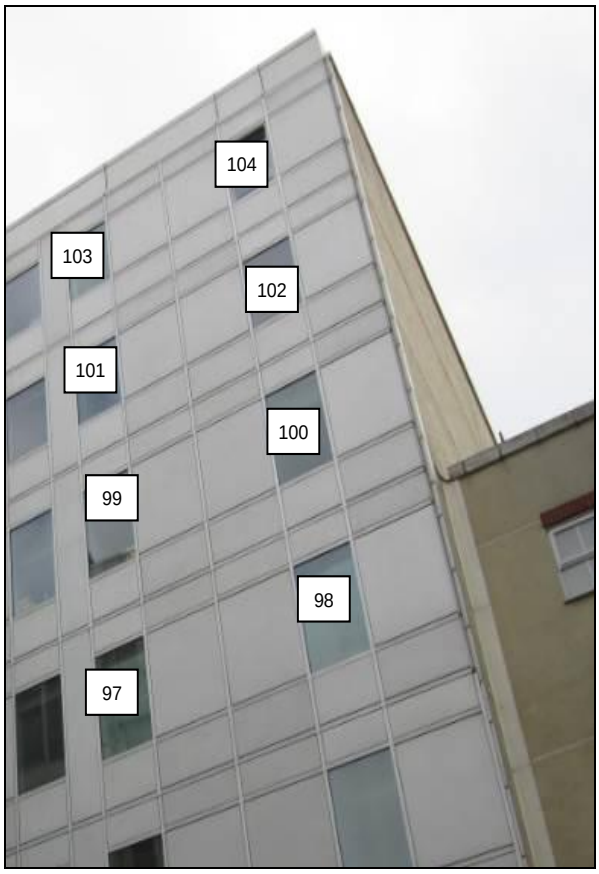

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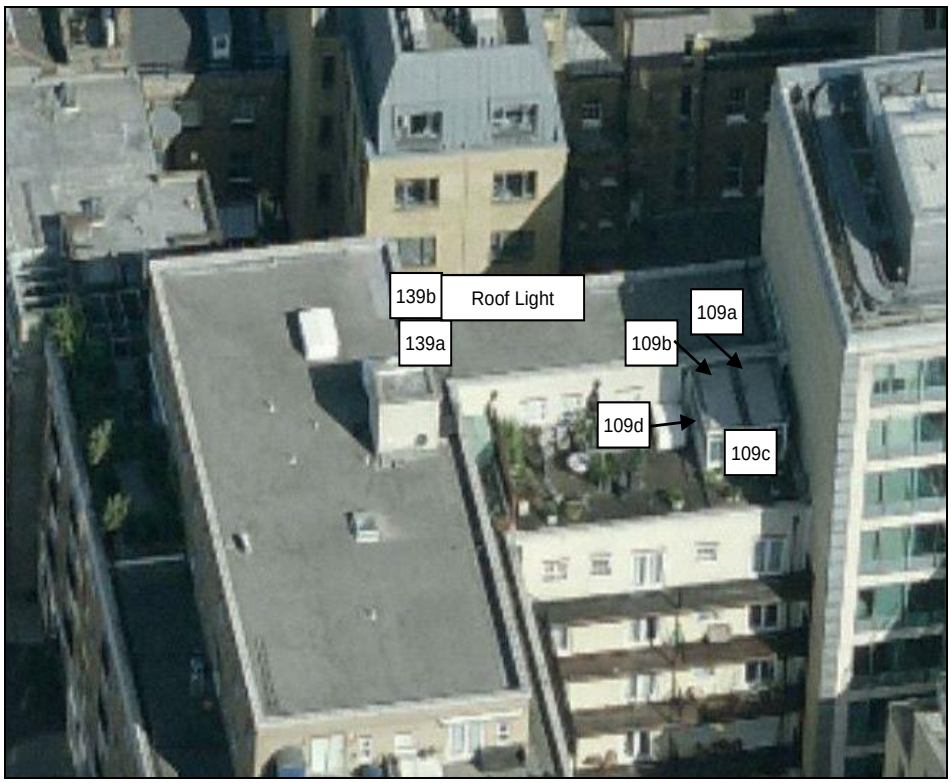
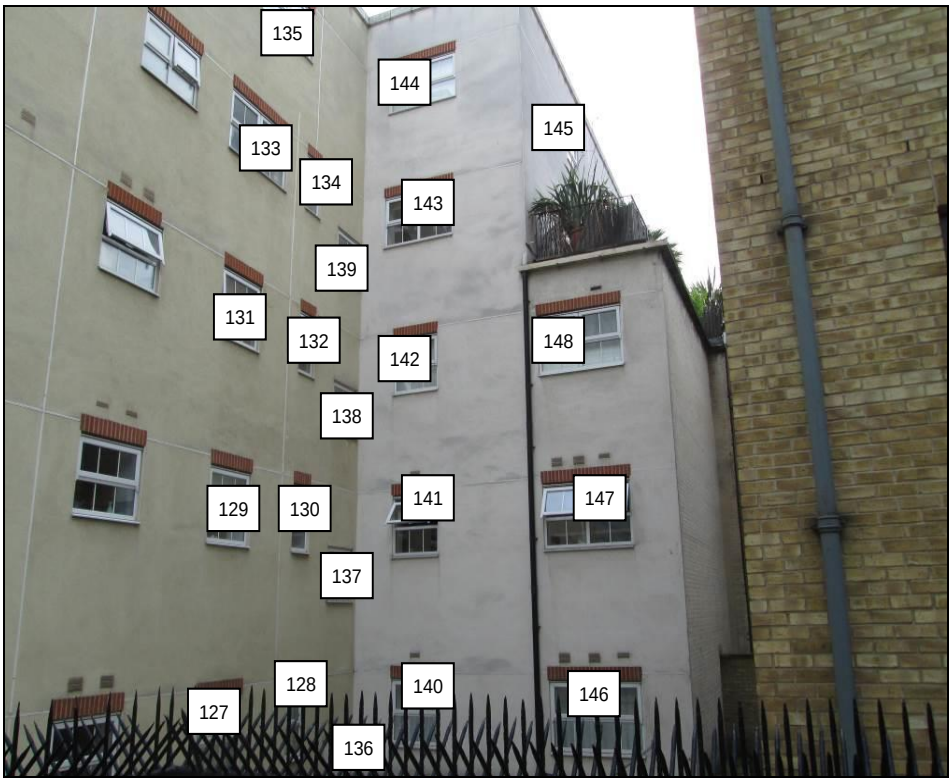


1 to 40 Aria House

1 to 40 Aria House



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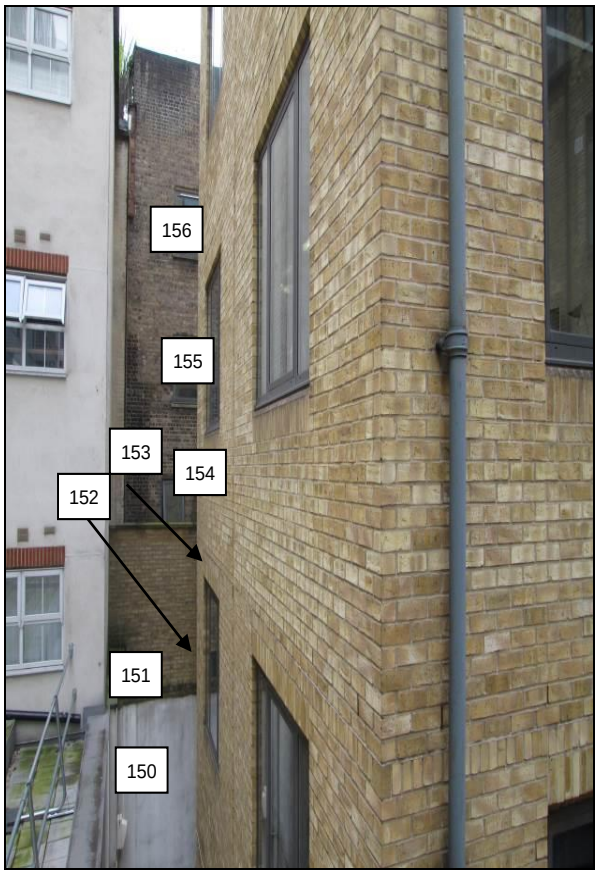

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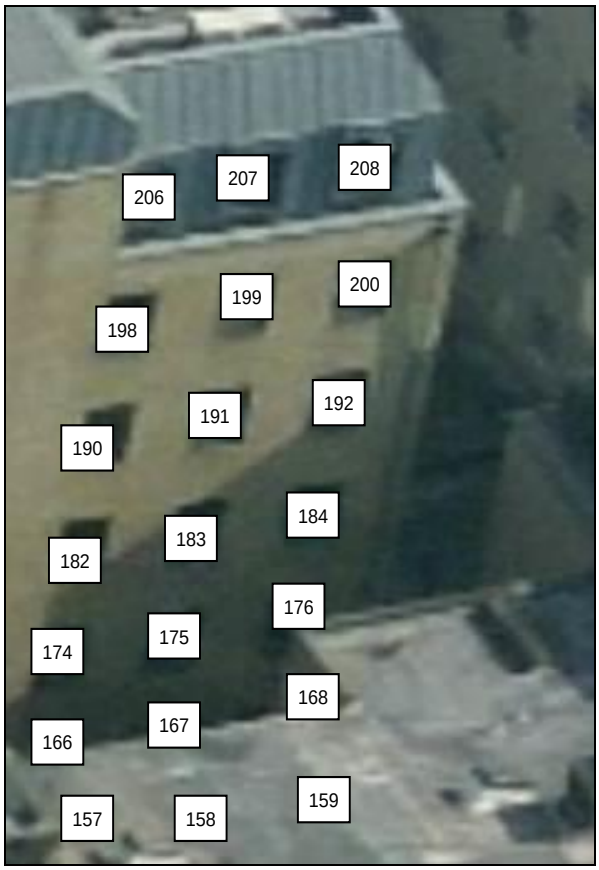

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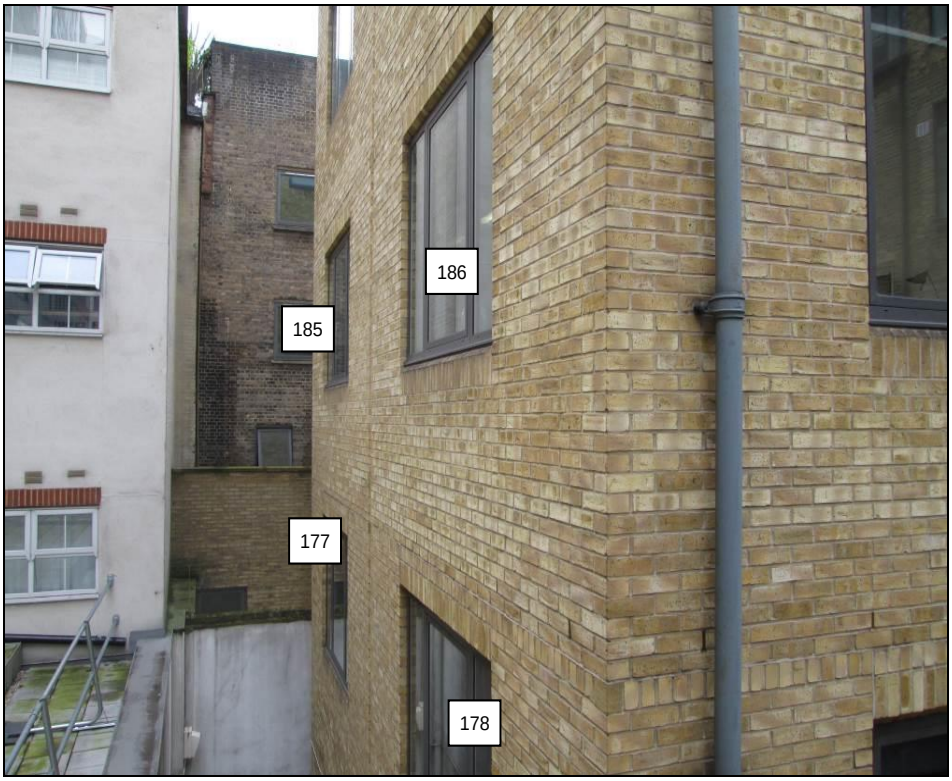
210 High Holborn



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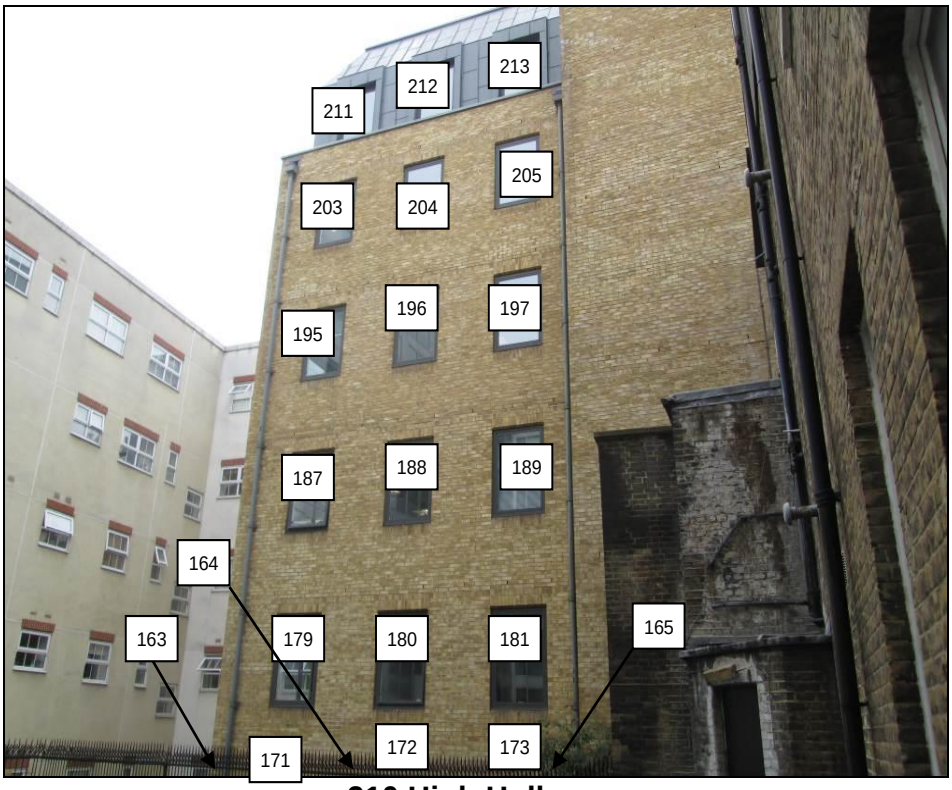

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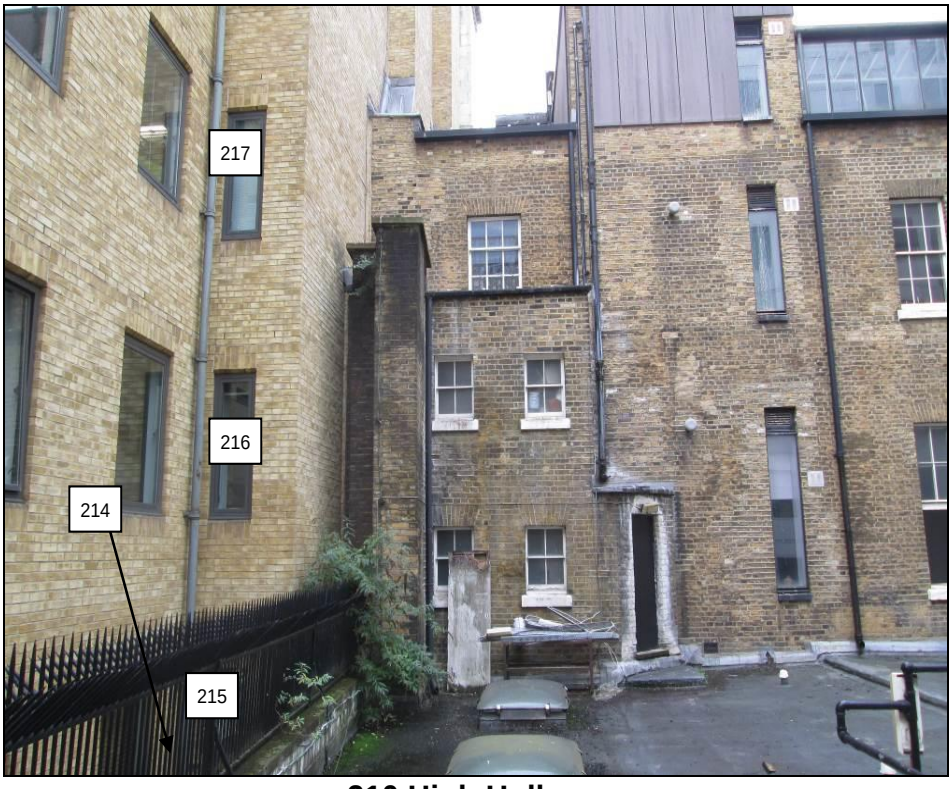

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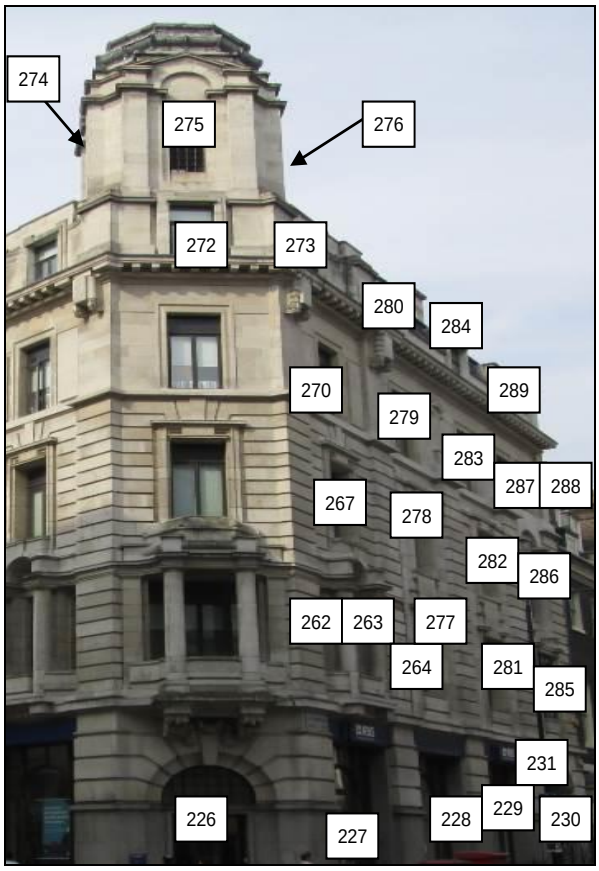
210 High Holborn

127 to 129 High Holborn



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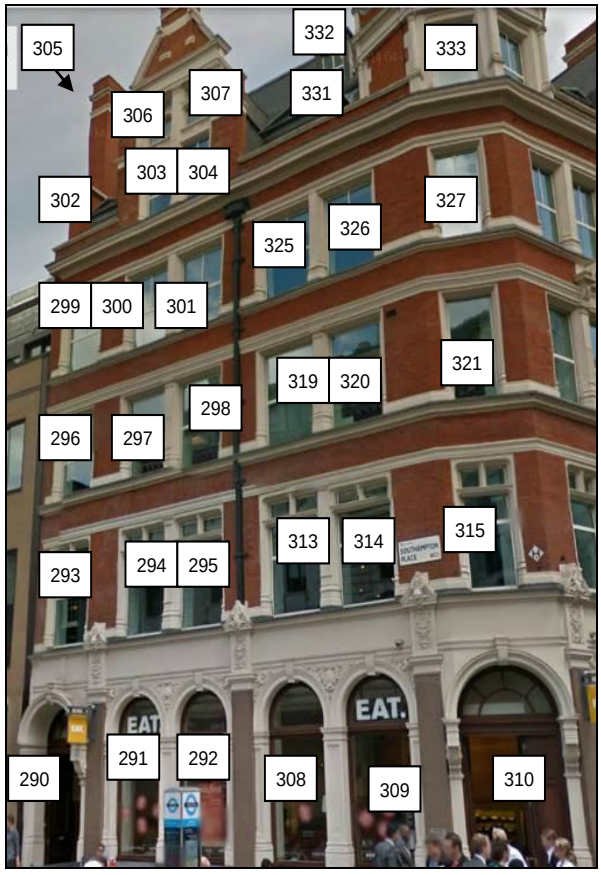

123 to 126 High Holborn

123 to 126 High Holborn

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123 to 126 High Holborn

123 to 126 High Holborn

APPENDIX 2

DAYLIGHT AND SUNLIGHT RESULTS

Appendix 2 - Vertical Sky Component
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
215 to 222 High Holborn					
Window 1	Non Domestic	8.0%	2.5%	5.5%	0.31
Window 2	Non Domestic	10.0%	3.4%	6.6%	0.34
Window 3	Non Domestic	12.5%	5.0%	7.5%	0.4
Window 4	Non Domestic	15.5%	8.4%	7.1%	0.54
Window 5	Non Domestic	19.1%	18.8%	0.3%	0.98
Window 6	Non Domestic	23.1%	23.1%	0.0%	1.0
Window 7	Non Domestic	27.2%	27.2%	0.0%	1.0
Window 8	Non Domestic	32.5%	32.5%	0.0%	1.0
Window 9	Non Domestic	7.1%	3.9%	3.2%	0.55
Window 10	Non Domestic	8.7%	5.3%	3.4%	0.61
Window 11	Non Domestic	10.7%	7.5%	3.2%	0.7
Window 12	Non Domestic	13.4%	11.0%	2.4%	0.82
Window 13	Non Domestic	16.5%	16.0%	0.5%	0.97
Window 14	Non Domestic	20.5%	20.5%	0.0%	1.0
Window 15	Non Domestic	25.1%	25.1%	0.0%	1.0
Window 16	Non Domestic	30.3%	30.3%	0.0%	1.0
Window 17	Non Domestic	5.7%	4.5%	1.2%	0.79
Window 18	Non Domestic	7.0%	5.8%	1.2%	0.83
Window 19	Non Domestic	8.7%	7.7%	1.0%	0.89
Window 20	Non Domestic	10.7%	10.2%	0.5%	0.95
Window 21	Non Domestic	13.5%	13.4%	0.1%	0.99
Window 22	Non Domestic	17.2%	17.2%	0.0%	1.0
Window 23	Non Domestic	21.9%	21.9%	0.0%	1.0
Window 24	Non Domestic	27.8%	27.8%	0.0%	1.0
Window 25	Non Domestic	4.4%	3.9%	0.5%	0.89
Window 26	Non Domestic	5.3%	4.9%	0.4%	0.92
Window 27	Non Domestic	6.4%	6.1%	0.3%	0.95
Window 28	Non Domestic	7.9%	7.7%	0.2%	0.97
Window 29	Non Domestic	9.8%	9.8%	0.0%	1.0
Window 30	Non Domestic	12.6%	12.6%	0.0%	1.0
Window 31	Non Domestic	16.3%	16.3%	0.0%	1.0
Window 32	Non Domestic	21.8%	21.8%	0.0%	1.0
Window 33	Non Domestic	9.7%	7.8%	1.9%	0.8

Appendix 2 - Vertical Sky Component
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 34	Non Domestic	10.9%	9.5%	1.4%	0.87
Window 35	Non Domestic	12.4%	11.4%	1.0%	0.92
Window 36	Non Domestic	14.1%	13.7%	0.4%	0.97
Window 37	Non Domestic	16.1%	16.0%	0.1%	0.99
Window 38	Non Domestic	18.7%	18.7%	0.0%	1.0
Window 39	Non Domestic	21.8%	21.8%	0.0%	1.0
Window 40	Non Domestic	26.2%	26.2%	0.0%	1.0
Window 41	Non Domestic	10.5%	9.1%	1.4%	0.87
Window 42	Non Domestic	11.9%	10.9%	1.0%	0.92
Window 43	Non Domestic	13.4%	12.9%	0.5%	0.96
Window 44	Non Domestic	15.3%	15.2%	0.1%	0.99
Window 45	Non Domestic	17.4%	17.4%	0.0%	1.0
Window 46	Non Domestic	20.2%	20.2%	0.0%	1.0
Window 47	Non Domestic	23.5%	23.5%	0.0%	1.0
Window 48	Non Domestic	27.7%	27.7%	0.0%	1.0
Window 49	Non Domestic	5.5%	4.6%	0.9%	0.84
Window 50	Non Domestic	6.5%	5.8%	0.7%	0.89
Window 51	Non Domestic	7.8%	7.4%	0.4%	0.95
Window 52	Non Domestic	9.5%	9.4%	0.1%	0.99
Window 53	Non Domestic	11.7%	11.7%	0.0%	1.0
Window 54	Non Domestic	14.9%	14.9%	0.0%	1.0
Window 55	Non Domestic	19.2%	19.2%	0.0%	1.0
Window 56	Non Domestic	25.0%	25.0%	0.0%	1.0
Window 57	Non Domestic	7.6%	5.6%	2.0%	0.74
Window 58	Non Domestic	9.0%	7.3%	1.7%	0.81
Window 59	Non Domestic	10.8%	9.6%	1.2%	0.89
Window 60	Non Domestic	13.1%	12.5%	0.6%	0.95
Window 61	Non Domestic	16.0%	16.0%	0.0%	1.0
Window 62	Non Domestic	19.8%	19.8%	0.0%	1.0
Window 63	Non Domestic	24.6%	24.6%	0.0%	1.0
Window 64	Non Domestic	30.2%	30.2%	0.0%	1.0
Window 65	Non Domestic	10.7%	6.1%	4.6%	0.57
Window 66	Non Domestic	12.7%	8.1%	4.6%	0.64

Appendix 2 - Vertical Sky Component
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 67	Non Domestic	15.1%	11.1%	4.0%	0.74
Window 68	Non Domestic	17.9%	15.2%	2.7%	0.85
Window 69	Non Domestic	21.0%	20.3%	0.7%	0.97
Window 70	Non Domestic	24.5%	24.5%	0.0%	1.0
Window 71	Non Domestic	28.7%	28.7%	0.0%	1.0
Window 72	Non Domestic	32.9%	32.9%	0.0%	1.0
Window 73	Non Domestic	13.1%	6.3%	6.8%	0.48
Window 74	Non Domestic	14.6%	6.5%	8.1%	0.45
Window 75	Non Domestic	15.7%	8.5%	7.2%	0.54
Window 76	Non Domestic	17.6%	8.9%	8.7%	0.51
Window 77	Non Domestic	18.5%	11.8%	6.7%	0.64
Window 78	Non Domestic	20.7%	12.5%	8.2%	0.6
Window 79	Non Domestic	21.7%	16.8%	4.9%	0.77
Window 80	Non Domestic	24.2%	18.0%	6.2%	0.74
Window 81	Non Domestic	24.8%	23.4%	1.4%	0.94
Window 82	Non Domestic	27.4%	25.4%	2.0%	0.93
Window 83	Non Domestic	28.1%	28.1%	0.0%	1.0
Window 84	Non Domestic	30.6%	30.6%	0.0%	1.0
Window 85	Non Domestic	31.7%	31.7%	0.0%	1.0
Window 86	Non Domestic	33.6%	33.6%	0.0%	1.0
Window 87	Non Domestic	34.8%	34.8%	0.0%	1.0
Window 88	Non Domestic	36.0%	36.0%	0.0%	1.0
Window 89	Non Domestic	14.9%	6.7%	8.2%	0.45
Window 90	Non Domestic	15.2%	7.1%	8.1%	0.47
Window 91	Non Domestic	18.0%	9.2%	8.8%	0.51
Window 92	Non Domestic	18.4%	9.9%	8.5%	0.54
Window 93	Non Domestic	21.3%	12.9%	8.4%	0.61
Window 94	Non Domestic	22.0%	13.9%	8.1%	0.63
Window 95	Non Domestic	24.8%	18.6%	6.2%	0.75
Window 96	Non Domestic	25.8%	19.8%	6.0%	0.77
Window 97	Non Domestic	28.2%	26.1%	2.1%	0.93
Window 98	Non Domestic	29.3%	27.3%	2.0%	0.93
Window 99	Non Domestic	31.4%	31.4%	0.0%	1.0

Appendix 2 - Vertical Sky Component
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 100	Non Domestic	32.7%	32.7%	0.0%	1.0
Window 101	Non Domestic	34.2%	34.2%	0.0%	1.0
Window 102	Non Domestic	35.4%	35.4%	0.0%	1.0
Window 103	Non Domestic	36.4%	36.4%	0.0%	1.0
Window 104	Non Domestic	37.1%	37.1%	0.0%	1.0
1 to 40 Aria House					
Window 105	Bedroom	15.1%	7.6%	7.5%	**0.5**
Window 106	Bedroom	18.6%	10.8%	7.8%	**0.58**
Window 107	Bedroom	22.7%	15.8%	6.9%	**0.7**
Window 108	Bedroom	27.3%	23.2%	4.1%	0.85
Window 109 (Secondary)	Living/Dining	31.5%	30.8%	0.7%	0.98
Window 110 (Secondary)	Living/Dining	31.7%	31.1%	0.6%	0.98
Window 111	Living/Dining	31.8%	31.3%	0.5%	0.98
Window 110a	Living/Dining	4.1%	4.1%	0.0%	1.0
Window 110b	Living/Dining	7.2%	7.2%	0.0%	1.0
Window 110c	conservatory	27.4%	27.4%	0.0%	1.0
Window 110d	conservatory	30.2%	30.2%	0.0%	1.0
Window 112	Bedroom	14.7%	8.0%	6.7%	**0.54**
Window 113	Bedroom	18.2%	11.3%	6.9%	**0.62**
Window 114	Bedroom	22.5%	16.4%	6.1%	**0.73**
Window 115	Habitable	27.2%	23.5%	3.7%	0.86
Window 116	Bedroom	13.7%	8.4%	5.3%	**0.61**
Window 117	Bedroom	17.2%	11.9%	5.3%	**0.69**
Window 118	Bedroom	21.6%	17.1%	4.5%	**0.79**
Window 119	Bedroom	26.7%	23.9%	2.8%	0.9
Window 120	Bathroom/WC	31.7%	31.2%	0.5%	0.98
Window 121	Bathroom/WC	31.5%	31.1%	0.4%	0.99
Window 122	Kitchen	10.3%	7.5%	2.8%	**0.73**
Window 123	Kitchen	13.5%	10.9%	2.6%	0.81
Window 124	Kitchen	18.3%	16.1%	2.2%	0.88
Window 125	Kitchen	24.3%	22.9%	1.4%	0.94
Window 126	Bedroom	30.8%	30.6%	0.2%	0.99
Window 127	Living/Dining	8.3%	6.7%	1.6%	0.81

Appendix 2 - Vertical Sky Component
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 128	Living/Dining	5.8%	5.1%	0.7%	0.88
Window 129	Living/Dining	11.1%	9.7%	1.4%	0.87
Window 130	Living/Dining	7.9%	7.3%	0.6%	0.92
Window 131	Living/Dining	15.8%	14.7%	1.1%	0.93
Window 132	Living/Dining	11.6%	11.3%	0.3%	0.97
Window 133	Living/Dining	22.1%	21.4%	0.7%	0.97
Window 134	Living/Dining	16.8%	16.6%	0.2%	0.99
Window 135	Bedroom	29.1%	29.0%	0.1%	1.0
Window 136	Staircase	4.0%	3.7%	0.3%	0.93
Window 137	Staircase	5.3%	5.1%	0.2%	0.96
Window 138	Staircase	7.3%	7.3%	0.0%	1.0
Window 139	Staircase	10.2%	10.1%	0.1%	0.99
Window 140a	Staircase	94.2%	94.2%	0.0%	1.0
Window 140b	Staircase	90.5%	90.5%	0.0%	1.0
Window 140	Bedroom	7.4%	7.1%	0.3%	0.96
Window 141	Bedroom	8.9%	8.8%	0.1%	0.99
Window 142	Bedroom	11.0%	11.0%	0.0%	1.0
Window 143	Bedroom	15.1%	15.1%	0.0%	1.0
Window 144	Bedroom	22.5%	22.5%	0.0%	1.0
Window 145	Bathroom/WC	34.8%	34.8%	0.0%	1.0
Window 145a	Living/Dining	35.9%	35.9%	0.0%	1.0
Window 145b	Living/Dining	39.6%	39.6%	0.0%	1.0
Window 146	Bedroom	7.5%	6.8%	0.7%	0.91
Window 147	Bedroom	9.3%	8.9%	0.4%	0.96
Window 148	Bedroom	11.9%	11.9%	0.0%	1.0
Window 149	Bathroom/WC	31.0%	31.0%	0.0%	1.0
Window 149a	Living/Dining	33.3%	33.3%	0.0%	1.0
Window 149b	Living/Dining	39.3%	39.3%	0.0%	1.0
1 to 3 Newton Street					
Window 150	Non Habitable	1.6%	1.2%	0.4%	0.75
Window 151	Non Habitable	2.3%	2.0%	0.3%	0.87
Window 152	Domestic	0.4%	0.4%	0.0%	1.0
Window 153	Domestic	0.5%	0.5%	0.0%	1.0

Appendix 2 - Vertical Sky Component
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 154	Non Habitable	2.9%	2.9%	0.0%	1.0
Window 155	Domestic	5.0%	5.0%	0.0%	1.0
Window 156	Domestic	7.3%	7.3%	0.0%	1.0
210 High Holborn					
Window 157	Non Domestic	3.8%	3.8%	0.0%	1.0
Window 158	Non Domestic	3.9%	3.9%	0.0%	1.0
Window 159	Non Domestic	3.6%	3.6%	0.0%	1.0
Window 160	Non Domestic	1.5%	1.5%	0.0%	1.0
Window 161	Non Domestic	1.7%	1.6%	0.1%	0.94
Window 162	Non Domestic	1.9%	1.9%	0.0%	1.0
Window 163	Non Domestic	2.3%	0.6%	1.7%	0.26
Window 164	Non Domestic	2.0%	0.2%	1.8%	0.1
Window 165	Non Domestic	1.6%	0.1%	1.5%	0.06
Window 166	Non Domestic	9.5%	9.5%	0.0%	1.0
Window 167	Non Domestic	9.7%	9.7%	0.0%	1.0
Window 168	Non Domestic	8.6%	8.6%	0.0%	1.0
Window 169	Non Domestic	3.3%	3.3%	0.0%	1.0
Window 170	Non Domestic	3.8%	3.7%	0.1%	0.97
Window 171	Non Domestic	8.7%	0.8%	7.9%	0.09
Window 172	Non Domestic	8.3%	0.3%	8.0%	0.04
Window 173	Non Domestic	7.6%	0.2%	7.4%	0.03
Window 174	Non Domestic	15.2%	15.2%	0.0%	1.0
Window 175	Non Domestic	16.2%	16.2%	0.0%	1.0
Window 176	Non Domestic	14.4%	14.4%	0.0%	1.0
Window 177	Non Domestic	5.1%	5.1%	0.0%	1.0
Window 178	Non Domestic	5.7%	5.7%	0.0%	1.0
Window 179	Non Domestic	11.0%	1.1%	9.9%	0.1
Window 180	Non Domestic	10.8%	0.5%	10.3%	0.05
Window 181	Non Domestic	10.0%	0.3%	9.7%	0.03
Window 182	Non Domestic	22.7%	22.7%	0.0%	1.0
Window 183	Non Domestic	24.6%	24.6%	0.0%	1.0
Window 184	Non Domestic	23.4%	23.4%	0.0%	1.0
Window 185	Non Domestic	8.3%	8.3%	0.0%	1.0

Appendix 2 - Vertical Sky Component
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 186	Non Domestic	9.0%	9.0%	0.0%	1.0
Window 187	Non Domestic	14.0%	1.7%	12.3%	0.12
Window 188	Non Domestic	14.1%	0.9%	13.2%	0.06
Window 189	Non Domestic	13.5%	0.6%	12.9%	0.04
Window 190	Non Domestic	28.1%	28.1%	0.0%	1.0
Window 191	Non Domestic	31.2%	31.2%	0.0%	1.0
Window 192	Non Domestic	30.6%	30.6%	0.0%	1.0
Window 193	Non Domestic	14.1%	14.1%	0.0%	1.0
Window 194	Non Domestic	14.3%	14.3%	0.0%	1.0
Window 195	Non Domestic	17.5%	2.8%	14.7%	0.16
Window 196	Non Domestic	18.1%	1.8%	16.3%	0.1
Window 197	Non Domestic	18.0%	1.5%	16.5%	0.08
Window 198	Non Domestic	31.4%	31.4%	0.0%	1.0
Window 199	Non Domestic	35.1%	35.1%	0.0%	1.0
Window 200	Non Domestic	35.1%	35.1%	0.0%	1.0
Window 201	Non Domestic	22.2%	22.2%	0.0%	1.0
Window 202	Non Domestic	22.0%	22.0%	0.0%	1.0
Window 203	Non Domestic	21.1%	5.9%	15.2%	0.28
Window 204	Non Domestic	21.8%	5.7%	16.1%	0.26
Window 205	Non Domestic	22.0%	6.9%	15.1%	0.31
Window 206	Non Domestic	33.9%	33.9%	0.0%	1.0
Window 207	Non Domestic	37.3%	37.3%	0.0%	1.0
Window 208	Non Domestic	37.9%	37.9%	0.0%	1.0
Window 209	Non Domestic	31.7%	31.7%	0.0%	1.0
Window 210	Non Domestic	30.6%	30.6%	0.0%	1.0
Window 211	Non Domestic	24.7%	24.5%	0.2%	0.99
Window 212	Non Domestic	25.3%	25.3%	0.0%	1.0
Window 213	Non Domestic	25.5%	25.5%	0.0%	1.0
Window 214	Non Domestic	1.9%	0.8%	1.1%	0.42
Window 215	Non Domestic	5.3%	1.1%	4.2%	0.21
Window 216	Non Domestic	6.7%	1.6%	5.1%	0.24
Window 217	Non Domestic	8.4%	2.3%	6.1%	0.27
Window 218	Non Domestic	10.6%	3.7%	6.9%	0.35

Appendix 2 - Vertical Sky Component
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 219	Non Domestic	13.5%	7.9%	5.6%	0.59
Window 220	Non Domestic	17.6%	17.6%	0.0%	1.0
127 to 129 High Holborn					
Window 221	Unknown	16.0%	16.0%	0.0%	1.0
Window 222	Unknown	13.3%	13.3%	0.0%	1.0
Window 223	Unknown	13.2%	13.2%	0.0%	1.0
Window 224	Unknown	11.2%	11.2%	0.0%	1.0
Window 225	Unknown	11.4%	11.4%	0.0%	1.0
Window 226	Unknown	12.4%	12.4%	0.0%	1.0
Window 227	Unknown	15.2%	15.2%	0.0%	1.0
Window 228	Unknown	17.5%	17.5%	0.0%	1.0
Window 229	Unknown	19.2%	19.2%	0.0%	1.0
Window 230	Unknown	3.8%	3.8%	0.0%	1.0
Window 231	Unknown	0.1%	0.1%	0.0%	1.0
Window 232	Unknown	19.4%	19.4%	0.0%	1.0
Window 233	Unknown	18.6%	18.6%	0.0%	1.0
Window 234	Unknown	22.6%	22.6%	0.0%	1.0
Window 235	Unknown	21.8%	21.8%	0.0%	1.0
Window 236	Unknown	26.2%	26.2%	0.0%	1.0
Window 237	Unknown	25.6%	25.6%	0.0%	1.0
Window 238	Unknown	30.1%	30.1%	0.0%	1.0
Window 239	Unknown	29.5%	29.5%	0.0%	1.0
Window 240	Unknown	15.7%	15.7%	0.0%	1.0
Window 241	Unknown	13.9%	13.9%	0.0%	1.0
Window 242	Unknown	13.5%	13.5%	0.0%	1.0
Window 243	Unknown	20.8%	20.8%	0.0%	1.0
Window 244	Unknown	20.6%	20.6%	0.0%	1.0
Window 245	Unknown	20.2%	20.2%	0.0%	1.0
Window 246	Unknown	24.6%	24.6%	0.0%	1.0
Window 247	Unknown	24.0%	24.0%	0.0%	1.0
Window 248	Unknown	28.6%	28.6%	0.0%	1.0
Window 249	Unknown	28.1%	28.1%	0.0%	1.0
Window 250	Unknown	16.1%	16.1%	0.0%	1.0

Appendix 2 - Vertical Sky Component
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 251	Unknown	15.6%	15.6%	0.0%	1.0
Window 252	Unknown	19.3%	19.3%	0.0%	1.0
Window 253	Unknown	18.7%	18.7%	0.0%	1.0
Window 254	Unknown	23.0%	23.0%	0.0%	1.0
Window 255	Unknown	22.2%	22.2%	0.0%	1.0
Window 256	Unknown	27.0%	27.0%	0.0%	1.0
Window 257	Unknown	26.1%	26.1%	0.0%	1.0
Window 258	Unknown	12.2%	12.2%	0.0%	1.0
Window 259	Unknown	11.6%	11.6%	0.0%	1.0
Window 260	Unknown	11.9%	11.9%	0.0%	1.0
Window 261	Unknown	12.6%	12.6%	0.0%	1.0
Window 262	Unknown	19.1%	19.1%	0.0%	1.0
Window 263	Unknown	19.7%	19.7%	0.0%	1.0
Window 264	Unknown	19.1%	19.1%	0.0%	1.0
Window 265	Unknown	17.7%	17.7%	0.0%	1.0
Window 266	Unknown	15.1%	15.1%	0.0%	1.0
Window 267	Unknown	23.1%	23.1%	0.0%	1.0
Window 268	Unknown	20.9%	20.9%	0.0%	1.0
Window 269	Unknown	18.1%	18.1%	0.0%	1.0
Window 270	Unknown	26.9%	26.9%	0.0%	1.0
Window 271	Unknown	24.5%	24.5%	0.0%	1.0
Window 272	Unknown	0.1%	0.1%	0.0%	1.0
Window 273	Unknown	30.8%	30.8%	0.0%	1.0
Window 274	Unknown	30.0%	30.0%	0.0%	1.0
Window 275	Unknown	27.1%	27.1%	0.0%	1.0
Window 276	Unknown	35.5%	35.5%	0.0%	1.0
Window 277	Unknown	20.7%	20.7%	0.0%	1.0
Window 278	Unknown	24.0%	24.0%	0.0%	1.0
Window 279	Unknown	27.7%	27.7%	0.0%	1.0
Window 280	Unknown	31.5%	31.5%	0.0%	1.0
Window 281	Unknown	22.2%	22.2%	0.0%	1.0
Window 282	Unknown	25.3%	25.3%	0.0%	1.0
Window 283	Unknown	28.7%	28.7%	0.0%	1.0

Appendix 2 - Vertical Sky Component
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 284	Unknown	32.2%	32.2%	0.0%	1.0
Window 285	Unknown	24.3%	24.3%	0.0%	1.0
Window 286	Unknown	27.0%	27.0%	0.0%	1.0
Window 287	Unknown	29.8%	29.8%	0.0%	1.0
Window 288	Unknown	30.3%	30.3%	0.0%	1.0
Window 289	Unknown	33.1%	33.1%	0.0%	1.0
123 to 126 High Holborn					
Window 290	Unknown	19.0%	19.0%	0.0%	1.0
Window 291	Unknown	19.7%	19.7%	0.0%	1.0
Window 292	Unknown	20.0%	20.0%	0.0%	1.0
Window 293	Unknown	22.7%	22.7%	0.0%	1.0
Window 294	Unknown	22.9%	22.9%	0.0%	1.0
Window 295	Unknown	23.0%	23.0%	0.0%	1.0
Window 296	Unknown	27.1%	27.1%	0.0%	1.0
Window 297	Unknown	27.1%	27.1%	0.0%	1.0
Window 298	Unknown	26.9%	26.9%	0.0%	1.0
Window 299	Unknown	31.4%	31.4%	0.0%	1.0
Window 300	Unknown	31.1%	31.1%	0.0%	1.0
Window 301	Unknown	30.7%	30.7%	0.0%	1.0
Window 302	Unknown	34.7%	34.6%	0.1%	1.0
Window 303	Unknown	34.5%	34.4%	0.1%	1.0
Window 304	Unknown	34.1%	34.0%	0.1%	1.0
Window 305	Unknown	36.4%	36.4%	0.0%	1.0
Window 306	Unknown	35.8%	35.7%	0.1%	1.0
Window 307	Unknown	35.4%	35.4%	0.0%	1.0
Window 308	Unknown	20.1%	20.1%	0.0%	1.0
Window 309	Unknown	19.7%	19.7%	0.0%	1.0
Window 310	Unknown	12.6%	12.6%	0.0%	1.0
Window 311	Unknown	7.3%	7.3%	0.0%	1.0
Window 312	Unknown	7.3%	7.2%	0.1%	0.99
Window 313	Unknown	22.9%	22.9%	0.0%	1.0
Window 314	Unknown	22.3%	22.3%	0.0%	1.0
Window 315	Unknown	15.1%	15.1%	0.0%	1.0

Appendix 2 - Vertical Sky Component
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 316	Unknown	9.6%	9.6%	0.0%	1.0
Window 317	Unknown	9.6%	9.6%	0.0%	1.0
Window 318	Unknown	9.6%	9.5%	0.1%	0.99
Window 319	Unknown	26.5%	26.5%	0.0%	1.0
Window 320	Unknown	25.8%	25.8%	0.0%	1.0
Window 321	Unknown	18.6%	18.6%	0.0%	1.0
Window 322	Unknown	12.8%	12.8%	0.0%	1.0
Window 323	Unknown	12.7%	12.7%	0.0%	1.0
Window 324	Unknown	12.6%	12.5%	0.1%	0.99
Window 325	Unknown	30.1%	30.1%	0.0%	1.0
Window 326	Unknown	29.5%	29.5%	0.0%	1.0
Window 327	Unknown	22.9%	22.9%	0.0%	1.0
Window 328	Unknown	17.1%	17.1%	0.0%	1.0
Window 329	Unknown	16.9%	16.8%	0.1%	0.99
Window 330	Unknown	16.5%	16.3%	0.2%	0.99
Window 331	Unknown	32.9%	32.8%	0.1%	1.0
Window 332	Unknown	32.5%	32.5%	0.0%	1.0
Window 333	Unknown	26.6%	26.5%	0.1%	1.0
Window 334	Unknown	21.0%	20.9%	0.1%	1.0
Window 335	Unknown	19.7%	19.6%	0.1%	0.99
Window 336	Unknown	23.5%	23.3%	0.2%	0.99
Window 337	Unknown	7.3%	7.2%	0.1%	0.99
Window 338	Unknown	7.5%	7.4%	0.1%	0.99
Window 339	Unknown	9.6%	9.4%	0.2%	0.98
Window 340	Unknown	9.6%	9.4%	0.2%	0.98
Window 341	Unknown	9.7%	9.4%	0.3%	0.97
Window 342	Unknown	12.4%	12.1%	0.3%	0.98
Window 343	Unknown	12.3%	11.9%	0.4%	0.97
Window 344	Unknown	12.2%	11.8%	0.4%	0.97
Window 345	Unknown	15.9%	15.5%	0.4%	0.97
Window 346	Unknown	15.5%	15.0%	0.5%	0.97
Window 347	Unknown	15.1%	14.7%	0.4%	0.97
Window 348	Unknown	19.5%	19.2%	0.3%	0.98

Appendix 2 - Vertical Sky Component
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 349	Unknown	18.8%	18.5%	0.3%	0.98
Window 350	Unknown	18.2%	17.9%	0.3%	0.98
Window 351	Unknown	17.7%	17.5%	0.2%	0.99
Window 352	Unknown	17.1%	17.0%	0.1%	0.99
Window 353	Unknown	20.8%	20.7%	0.1%	1.0
Window 354	Unknown	20.1%	20.0%	0.1%	1.0
Window 355	Unknown	19.6%	19.6%	0.0%	1.0
Window 356	Unknown	7.6%	7.4%	0.2%	0.97
Window 357	Unknown	9.8%	9.5%	0.3%	0.97
Window 358	Unknown	9.8%	9.6%	0.2%	0.98
Window 359	Unknown	12.1%	11.7%	0.4%	0.97
Window 360	Unknown	12.0%	11.7%	0.3%	0.98
Window 361	Unknown	14.6%	14.2%	0.4%	0.97
Window 362	Unknown	14.3%	14.1%	0.2%	0.99
Window 363	Unknown	8.3%	8.2%	0.1%	0.99
Window 364	Unknown	10.1%	9.9%	0.2%	0.98
Window 365	Unknown	10.3%	10.1%	0.2%	0.98
Window 366	Unknown	10.6%	10.4%	0.2%	0.98
Window 367	Unknown	12.1%	11.8%	0.3%	0.98
Window 368	Unknown	12.2%	12.0%	0.2%	0.98
Window 369	Unknown	12.3%	12.2%	0.1%	0.99
Window 370	Unknown	14.2%	14.0%	0.2%	0.99
Window 371	Unknown	14.2%	14.1%	0.1%	0.99
Window 372	Unknown	14.3%	14.2%	0.1%	0.99
Window 373	Unknown	16.6%	16.6%	0.0%	1.0
Window 374	Unknown	16.6%	16.6%	0.0%	1.0
Window 375	Unknown	16.6%	16.6%	0.0%	1.0
Window 376	Unknown	16.8%	16.8%	0.0%	1.0
Window 377	Unknown	17.1%	17.1%	0.0%	1.0
Window 378	Unknown	17.6%	17.6%	0.0%	1.0
Window 379	Unknown	19.2%	19.2%	0.0%	1.0
Window 380	Unknown	17.6%	17.6%	0.0%	1.0
Window 381	Unknown	18.2%	18.2%	0.0%	1.0

Appendix 2 - Vertical Sky Component
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 382	Unknown	18.4%	18.4%	0.0%	1.0
Window 383	Unknown	18.9%	18.9%	0.0%	1.0
Window 384	Unknown	20.3%	20.3%	0.0%	1.0
Window 385	Unknown	9.9%	9.8%	0.1%	0.99
Window 386	Unknown	11.3%	11.1%	0.2%	0.98
Window 387	Unknown	11.7%	11.6%	0.1%	0.99
Window 388	Unknown	12.2%	12.1%	0.1%	0.99
Window 389	Unknown	12.9%	12.8%	0.1%	0.99
Window 390	Unknown	13.3%	13.2%	0.1%	0.99
Window 391	Unknown	13.8%	13.7%	0.1%	0.99
Window 392	Unknown	14.7%	14.7%	0.0%	1.0
Window 393	Unknown	15.1%	15.1%	0.0%	1.0
Window 394	Unknown	15.6%	15.6%	0.0%	1.0
Window 395	Unknown	12.5%	12.4%	0.1%	0.99
Window 396	Unknown	13.4%	13.4%	0.0%	1.0
Window 397	Unknown	14.1%	14.1%	0.0%	1.0
Window 398	Unknown	14.9%	14.9%	0.0%	1.0
Window 399	Unknown	14.9%	14.9%	0.0%	1.0
Window 400	Unknown	15.6%	15.6%	0.0%	1.0
Window 401	Unknown	16.4%	16.4%	0.0%	1.0
Window 402	Unknown	16.7%	16.7%	0.0%	1.0
Window 403	Unknown	17.3%	17.3%	0.0%	1.0
Window 404	Unknown	18.1%	18.1%	0.0%	1.0
Window 405	Unknown	18.9%	18.9%	0.0%	1.0
Window 406	Unknown	20.0%	20.0%	0.0%	1.0
Window 407	Unknown	20.6%	20.6%	0.0%	1.0
Window 408	Unknown	21.5%	21.5%	0.0%	1.0
Window 409	Unknown	22.3%	22.3%	0.0%	1.0
Window 410	Unknown	20.9%	20.9%	0.0%	1.0
Window 411	Unknown	19.9%	19.9%	0.0%	1.0
Window 412	Unknown	22.1%	22.1%	0.0%	1.0
Window 413	Unknown	22.9%	22.9%	0.0%	1.0
Window 414	Unknown	15.9%	15.9%	0.0%	1.0

Appendix 2 - Vertical Sky Component
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 415	Unknown	19.2%	19.2%	0.0%	1.0
Window 416	Unknown	26.4%	26.4%	0.0%	1.0
Window 417	Unknown	24.9%	24.9%	0.0%	1.0

Appendix 2 - Daylight Distribution
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Daylight Distribution			
		Before	After	Loss	Ratio
1 to 40 Aria House					
Window 105	Bedroom	84%	20%	64.0%	**0.24**
Window 106	Bedroom	85%	24%	61.0%	**0.28**
Window 107	Bedroom	90%	37%	53.0%	**0.41**
Window 108	Bedroom	84%	67%	17.0%	0.8
Windows 109, 110, 110, 110 & 111	Living/Dining	95%	95%	0.0%	1.0
Windows 110c & 110c	conservatory	100%	100%	0.0%	1.0
Window 112	Bedroom	74%	31%	43.0%	**0.42**
Window 113	Bedroom	76%	34%	42.0%	**0.45**
Window 114	Bedroom	80%	48%	32.0%	**0.6**
Window 115	Habitable	96%	96%	0.0%	1.0
Window 116	Bedroom	76%	50%	26.0%	**0.66**
Window 117	Bedroom	78%	54%	24.0%	**0.69**
Window 118	Bedroom	80%	64%	16.0%	0.8
Window 119	Bedroom	92%	92%	0.0%	1.0
Window 120	Bathroom/WC	96%	96%	0.0%	1.0
Window 121	Bathroom/WC	74%	74%	0.0%	1.0
Window 122	Kitchen	72%	68%	4.0%	0.94
Window 123	Kitchen	79%	79%	0.0%	1.0
Window 124	Kitchen	82%	82%	0.0%	1.0
Window 125	Kitchen	85%	85%	0.0%	1.0
Window 126	Bedroom	96%	96%	0.0%	1.0
Windows 127 & 128	Living/Dining	58%	38%	20.0%	**0.66**
Windows 129 & 130	Living/Dining	67%	42%	25.0%	**0.63**
Windows 131 & 132	Living/Dining	75%	60%	15.0%	0.8
Windows 133 & 134	Living/Dining	90%	90%	0.0%	1.0
Window 135	Bedroom	96%	96%	0.0%	1.0
Window 136	Staircase	21%	21%	0.0%	1.0
Window 137	Staircase	32%	32%	0.0%	1.0
Window 138	Staircase	47%	47%	0.0%	1.0
Window 139	Staircase	1%	1%	0.0%	1.0
Windows 140a & 140a	Staircase	100%	100%	0.0%	1.0
Window 140	Bedroom	1%	1%	0.0%	1.0

Appendix 2 - Daylight Distribution
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Daylight Distribution			
		Before	After	Loss	Ratio
Window 141	Bedroom	34%	33%	1.0%	0.97
Window 142	Bedroom	42%	42%	0.0%	1.0
Window 143	Bedroom	76%	76%	0.0%	1.0
Window 144	Bedroom	86%	86%	0.0%	1.0
Window 145	Bathroom/WC	97%	97%	0.0%	1.0
Windows 145a & 145a	Living/Dining	98%	98%	0.0%	1.0
Window 146	Bedroom	29%	22%	7.0%	**0.76**
Window 147	Bedroom	27%	24%	3.0%	0.89
Window 148	Bedroom	42%	32%	10.0%	**0.76**
Window 149	Bathroom/WC	1%	1%	0.0%	1.0
Windows 149a & 149a	Living/Dining	97%	97%	0.0%	1.0

Appendix 2 - Sunlight to Windows
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
215 to 222 High Holborn									
Window 1	Non Domestic	19%	3%	16%	0.16	2%	0%	2%	0.01
Window 2	Non Domestic	24%	4%	20%	0.17	3%	0%	3%	0.0
Window 3	Non Domestic	31%	6%	25%	0.19	6%	0%	6%	0.0
Window 4	Non Domestic	40%	18%	22%	0.45	6%	0%	6%	0.0
Window 5	Non Domestic	46%	46%	0%	1.0	9%	9%	0%	1.0
Window 6	Non Domestic	57%	57%	0%	1.0	16%	16%	0%	1.0
Window 7	Non Domestic	63%	63%	0%	1.0	21%	21%	0%	1.0
Window 8	Non Domestic	71%	71%	0%	1.0	28%	28%	0%	1.0
Window 9	Non Domestic	17%	3%	14%	0.18	1%	0%	1%	0.01
Window 10	Non Domestic	26%	7%	19%	0.27	3%	0%	3%	0.0
Window 11	Non Domestic	31%	14%	17%	0.45	5%	0%	5%	0.0
Window 12	Non Domestic	34%	26%	8%	0.76	5%	1%	4%	0.2
Window 13	Non Domestic	46%	43%	3%	0.93	8%	5%	3%	0.63
Window 14	Non Domestic	55%	55%	0%	1.0	10%	10%	0%	1.0
Window 15	Non Domestic	68%	68%	0%	1.0	16%	16%	0%	1.0
Window 16	Non Domestic	75%	75%	0%	1.0	20%	20%	0%	1.0
Window 17	Non Domestic	16%	9%	7%	0.56	1%	0%	1%	0.01
Window 18	Non Domestic	19%	12%	7%	0.63	2%	0%	2%	0.01
Window 19	Non Domestic	24%	19%	5%	0.79	2%	0%	2%	0.01
Window 20	Non Domestic	31%	30%	1%	0.97	3%	3%	0%	1.0
Window 21	Non Domestic	38%	37%	1%	0.97	5%	4%	1%	0.8
Window 22	Non Domestic	46%	46%	0%	1.0	8%	8%	0%	1.0
Window 23	Non Domestic	54%	54%	0%	1.0	11%	11%	0%	1.0
Window 24	Non Domestic	69%	69%	0%	1.0	18%	18%	0%	1.0
Window 25	Non Domestic	14%	12%	2%	0.86	1%	1%	0%	1.0
Window 26	Non Domestic	17%	15%	2%	0.88	1%	1%	0%	1.0
Window 27	Non Domestic	24%	22%	2%	0.92	2%	2%	0%	1.0
Window 28	Non Domestic	27%	27%	0%	1.0	2%	2%	0%	1.0
Window 29	Non Domestic	31%	31%	0%	1.0	4%	4%	0%	1.0
Window 30	Non Domestic	37%	37%	0%	1.0	6%	6%	0%	1.0
Window 31	Non Domestic	43%	43%	0%	1.0	9%	9%	0%	1.0
Window 32	Non Domestic	53%	53%	0%	1.0	16%	16%	0%	1.0
Window 33	Non Domestic	13%	10%	3%	0.77	0%	0%	0%	1.0

Appendix 2 - Sunlight to Windows
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
Window 34	Non Domestic	16%	14%	2%	0.88	0%	0%	0%	1.0
Window 35	Non Domestic	17%	16%	1%	0.94	0%	0%	0%	1.0
Window 36	Non Domestic	21%	20%	1%	0.95	1%	0%	1%	0.01
Window 37	Non Domestic	26%	26%	0%	1.0	2%	2%	0%	1.0
Window 38	Non Domestic	30%	30%	0%	1.0	4%	4%	0%	1.0
Window 39	Non Domestic	35%	35%	0%	1.0	6%	6%	0%	1.0
Window 40	Non Domestic	41%	41%	0%	1.0	11%	11%	0%	1.0
Window 41	Non Domestic	9%	5%	4%	0.56	0%	0%	0%	1.0
Window 42	Non Domestic	11%	7%	4%	0.64	0%	0%	0%	1.0
Window 43	Non Domestic	15%	14%	1%	0.93	2%	2%	0%	1.0
Window 44	Non Domestic	16%	16%	0%	1.0	2%	2%	0%	1.0
Window 45	Non Domestic	18%	18%	0%	1.0	2%	2%	0%	1.0
Window 46	Non Domestic	20%	20%	0%	1.0	2%	2%	0%	1.0
Window 47	Non Domestic	25%	25%	0%	1.0	2%	2%	0%	1.0
Window 48	Non Domestic	33%	33%	0%	1.0	3%	3%	0%	1.0
1 to 40 Aria House									
Window 110a	Living/Dining	1%	1%	0%	1.0	1%	1%	0%	1.0
Window 110b	Living/Dining	12%	12%	0%	1.0	9%	9%	0%	1.0
Window 110c	conservatory	56%	56%	0%	1.0	23%	23%	0%	1.0
Window 110d	conservatory	49%	49%	0%	1.0	17%	17%	0%	1.0
Window 140a	Staircase	82%	82%	0%	1.0	22%	22%	0%	1.0
Window 140b	Staircase	74%	74%	0%	1.0	16%	16%	0%	1.0
Window 145b	Living/Dining	58%	58%	0%	1.0	20%	20%	0%	1.0
Window 149b	Living/Dining	58%	58%	0%	1.0	20%	20%	0%	1.0
1 to 3 Newton Street									
Window 152	Domestic	0%	0%	0%	1.0	0%	0%	0%	1.0
Window 153	Domestic	0%	0%	0%	1.0	0%	0%	0%	1.0
210 High Holborn									
Window 157	Non Domestic	4%	4%	0%	1.0	0%	0%	0%	1.0
Window 158	Non Domestic	0%	0%	0%	1.0	0%	0%	0%	1.0
Window 159	Non Domestic	0%	0%	0%	1.0	0%	0%	0%	1.0

Appendix 2 - Sunlight to Windows

Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
Window 160	Non Domestic	0%	0%	0%	1.0	0%	0%	0%	1.0
Window 161	Non Domestic	0%	0%	0%	1.0	0%	0%	0%	1.0
Window 162	Non Domestic	1%	1%	0%	1.0	0%	0%	0%	1.0
Window 166	Non Domestic	13%	13%	0%	1.0	0%	0%	0%	1.0
Window 167	Non Domestic	5%	5%	0%	1.0	0%	0%	0%	1.0
Window 168	Non Domestic	1%	1%	0%	1.0	0%	0%	0%	1.0
Window 169	Non Domestic	2%	2%	0%	1.0	0%	0%	0%	1.0
Window 170	Non Domestic	3%	3%	0%	1.0	0%	0%	0%	1.0
Window 174	Non Domestic	24%	24%	0%	1.0	0%	0%	0%	1.0
Window 175	Non Domestic	22%	22%	0%	1.0	0%	0%	0%	1.0
Window 176	Non Domestic	9%	9%	0%	1.0	0%	0%	0%	1.0
Window 177	Non Domestic	5%	5%	0%	1.0	0%	0%	0%	1.0
Window 178	Non Domestic	10%	10%	0%	1.0	0%	0%	0%	1.0
Window 182	Non Domestic	37%	37%	0%	1.0	6%	6%	0%	1.0
Window 183	Non Domestic	33%	33%	0%	1.0	3%	3%	0%	1.0
Window 184	Non Domestic	28%	28%	0%	1.0	0%	0%	0%	1.0
Window 185	Non Domestic	19%	19%	0%	1.0	1%	1%	0%	1.0
Window 186	Non Domestic	23%	23%	0%	1.0	0%	0%	0%	1.0
Window 190	Non Domestic	48%	48%	0%	1.0	12%	12%	0%	1.0
Window 191	Non Domestic	46%	46%	0%	1.0	9%	9%	0%	1.0
Window 192	Non Domestic	40%	40%	0%	1.0	5%	5%	0%	1.0
Window 193	Non Domestic	39%	39%	0%	1.0	3%	3%	0%	1.0
Window 194	Non Domestic	32%	32%	0%	1.0	0%	0%	0%	1.0
Window 198	Non Domestic	53%	53%	0%	1.0	17%	17%	0%	1.0
Window 199	Non Domestic	52%	52%	0%	1.0	15%	15%	0%	1.0
Window 200	Non Domestic	48%	48%	0%	1.0	11%	11%	0%	1.0
Window 201	Non Domestic	55%	55%	0%	1.0	12%	12%	0%	1.0
Window 202	Non Domestic	52%	52%	0%	1.0	13%	13%	0%	1.0
Window 206	Non Domestic	56%	56%	0%	1.0	20%	20%	0%	1.0
Window 207	Non Domestic	57%	57%	0%	1.0	20%	20%	0%	1.0
Window 208	Non Domestic	57%	57%	0%	1.0	20%	20%	0%	1.0
Window 209	Non Domestic	76%	76%	0%	1.0	27%	27%	0%	1.0
Window 210	Non Domestic	72%	72%	0%	1.0	25%	25%	0%	1.0

Appendix 2 - Sunlight to Windows
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
Window 214	Non Domestic	3%	2%	1%	0.67	0%	0%	0%	1.0
Window 215	Non Domestic	5%	3%	2%	0.6	0%	0%	0%	1.0
Window 216	Non Domestic	10%	3%	7%	0.3	0%	0%	0%	1.0
Window 217	Non Domestic	16%	3%	13%	0.19	1%	0%	1%	0.01
Window 218	Non Domestic	23%	6%	17%	0.26	2%	1%	1%	0.5
Window 219	Non Domestic	29%	12%	17%	0.41	4%	2%	2%	0.5
Window 220	Non Domestic	34%	34%	0%	1.0	6%	6%	0%	1.0
127 to 129 High Holborn									
Window 221	Unknown	44%	44%	0%	1.0	8%	8%	0%	1.0
Window 222	Unknown	37%	37%	0%	1.0	6%	6%	0%	1.0
Window 223	Unknown	33%	33%	0%	1.0	4%	4%	0%	1.0
Window 224	Unknown	35%	35%	0%	1.0	3%	3%	0%	1.0
Window 225	Unknown	14%	14%	0%	1.0	0%	0%	0%	1.0
Window 226	Unknown	17%	17%	0%	1.0	0%	0%	0%	1.0
Window 232	Unknown	52%	52%	0%	1.0	10%	10%	0%	1.0
Window 233	Unknown	51%	51%	0%	1.0	9%	9%	0%	1.0
Window 234	Unknown	60%	60%	0%	1.0	14%	14%	0%	1.0
Window 235	Unknown	58%	58%	0%	1.0	13%	13%	0%	1.0
Window 236	Unknown	69%	69%	0%	1.0	19%	19%	0%	1.0
Window 237	Unknown	68%	68%	0%	1.0	19%	19%	0%	1.0
Window 238	Unknown	75%	75%	0%	1.0	23%	23%	0%	1.0
Window 239	Unknown	76%	76%	0%	1.0	24%	24%	0%	1.0
Window 240	Unknown	42%	42%	0%	1.0	6%	6%	0%	1.0
Window 241	Unknown	36%	36%	0%	1.0	5%	5%	0%	1.0
Window 242	Unknown	35%	35%	0%	1.0	7%	7%	0%	1.0
Window 243	Unknown	53%	53%	0%	1.0	10%	10%	0%	1.0
Window 244	Unknown	53%	53%	0%	1.0	10%	10%	0%	1.0
Window 245	Unknown	52%	52%	0%	1.0	10%	10%	0%	1.0
Window 246	Unknown	66%	66%	0%	1.0	18%	18%	0%	1.0
Window 247	Unknown	63%	63%	0%	1.0	16%	16%	0%	1.0
Window 248	Unknown	74%	74%	0%	1.0	23%	23%	0%	1.0
Window 249	Unknown	71%	71%	0%	1.0	20%	20%	0%	1.0
Window 250	Unknown	41%	41%	0%	1.0	5%	5%	0%	1.0

Appendix 2 - Sunlight to Windows
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
Window 251	Unknown	41%	41%	0%	1.0	5%	5%	0%	1.0
Window 252	Unknown	47%	47%	0%	1.0	9%	9%	0%	1.0
Window 253	Unknown	48%	48%	0%	1.0	10%	10%	0%	1.0
Window 254	Unknown	62%	62%	0%	1.0	14%	14%	0%	1.0
Window 255	Unknown	59%	59%	0%	1.0	13%	13%	0%	1.0
Window 256	Unknown	71%	71%	0%	1.0	20%	20%	0%	1.0
Window 257	Unknown	71%	71%	0%	1.0	19%	19%	0%	1.0
Window 258	Unknown	35%	35%	0%	1.0	5%	5%	0%	1.0
Window 259	Unknown	32%	32%	0%	1.0	3%	3%	0%	1.0
Window 260	Unknown	34%	34%	0%	1.0	6%	6%	0%	1.0
Window 261	Unknown	16%	16%	0%	1.0	0%	0%	0%	1.0
Window 265	Unknown	47%	47%	0%	1.0	8%	8%	0%	1.0
Window 266	Unknown	21%	21%	0%	1.0	0%	0%	0%	1.0
Window 268	Unknown	57%	57%	0%	1.0	13%	13%	0%	1.0
Window 269	Unknown	24%	24%	0%	1.0	1%	1%	0%	1.0
Window 271	Unknown	63%	63%	0%	1.0	14%	14%	0%	1.0
Window 272	Unknown	0%	0%	0%	1.0	0%	0%	0%	1.0
Window 274	Unknown	64%	64%	0%	1.0	19%	19%	0%	1.0
Window 275	Unknown	36%	36%	0%	1.0	4%	4%	0%	1.0
123 to 126 High Holborn									
Window 290	Unknown	26%	26%	0%	1.0	3%	3%	0%	1.0
Window 291	Unknown	26%	26%	0%	1.0	1%	1%	0%	1.0
Window 292	Unknown	25%	25%	0%	1.0	1%	1%	0%	1.0
Window 293	Unknown	32%	32%	0%	1.0	5%	5%	0%	1.0
Window 294	Unknown	34%	34%	0%	1.0	3%	3%	0%	1.0
Window 295	Unknown	29%	29%	0%	1.0	2%	2%	0%	1.0
Window 296	Unknown	46%	46%	0%	1.0	9%	9%	0%	1.0
Window 297	Unknown	43%	43%	0%	1.0	7%	7%	0%	1.0
Window 298	Unknown	43%	43%	0%	1.0	6%	6%	0%	1.0
Window 299	Unknown	54%	54%	0%	1.0	12%	12%	0%	1.0
Window 300	Unknown	54%	54%	0%	1.0	12%	12%	0%	1.0
Window 301	Unknown	52%	52%	0%	1.0	11%	11%	0%	1.0
Window 302	Unknown	58%	58%	0%	1.0	17%	17%	0%	1.0

Appendix 2 - Sunlight to Windows
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
Window 303	Unknown	59%	59%	0%	1.0	17%	17%	0%	1.0
Window 304	Unknown	57%	57%	0%	1.0	15%	15%	0%	1.0
Window 305	Unknown	61%	61%	0%	1.0	19%	19%	0%	1.0
Window 306	Unknown	61%	61%	0%	1.0	19%	19%	0%	1.0
Window 307	Unknown	60%	60%	0%	1.0	18%	18%	0%	1.0
Window 308	Unknown	27%	27%	0%	1.0	3%	3%	0%	1.0
Window 309	Unknown	25%	25%	0%	1.0	3%	3%	0%	1.0
Window 310	Unknown	22%	22%	0%	1.0	2%	2%	0%	1.0
Window 311	Unknown	19%	19%	0%	1.0	0%	0%	0%	1.0
Window 312	Unknown	21%	21%	0%	1.0	1%	1%	0%	1.0
Window 313	Unknown	35%	35%	0%	1.0	4%	4%	0%	1.0
Window 314	Unknown	31%	31%	0%	1.0	3%	3%	0%	1.0
Window 315	Unknown	28%	28%	0%	1.0	2%	2%	0%	1.0
Window 316	Unknown	28%	28%	0%	1.0	2%	2%	0%	1.0
Window 317	Unknown	29%	29%	0%	1.0	2%	2%	0%	1.0
Window 318	Unknown	29%	29%	0%	1.0	2%	2%	0%	1.0
Window 319	Unknown	42%	42%	0%	1.0	5%	5%	0%	1.0
Window 320	Unknown	42%	42%	0%	1.0	5%	5%	0%	1.0
Window 321	Unknown	39%	39%	0%	1.0	2%	2%	0%	1.0
Window 322	Unknown	36%	36%	0%	1.0	2%	2%	0%	1.0
Window 323	Unknown	37%	37%	0%	1.0	2%	2%	0%	1.0
Window 324	Unknown	37%	37%	0%	1.0	2%	2%	0%	1.0
Window 325	Unknown	51%	51%	0%	1.0	10%	10%	0%	1.0
Window 326	Unknown	48%	48%	0%	1.0	7%	7%	0%	1.0
Window 327	Unknown	49%	49%	0%	1.0	8%	8%	0%	1.0
Window 328	Unknown	46%	46%	0%	1.0	6%	6%	0%	1.0
Window 329	Unknown	46%	46%	0%	1.0	7%	7%	0%	1.0
Window 330	Unknown	45%	44%	1%	0.98	7%	6%	1%	0.86
Window 331	Unknown	58%	58%	0%	1.0	16%	16%	0%	1.0
Window 332	Unknown	52%	52%	0%	1.0	15%	15%	0%	1.0
Window 333	Unknown	57%	56%	1%	0.98	12%	11%	1%	0.92
Window 334	Unknown	56%	56%	0%	1.0	11%	11%	0%	1.0
Window 335	Unknown	54%	54%	0%	1.0	12%	12%	0%	1.0

Appendix 2 - Sunlight to Windows
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
Window 336	Unknown	60%	60%	0%	1.0	12%	12%	0%	1.0
Window 337	Unknown	20%	19%	1%	0.95	0%	0%	0%	1.0
Window 338	Unknown	22%	22%	0%	1.0	1%	1%	0%	1.0
Window 339	Unknown	29%	29%	0%	1.0	2%	2%	0%	1.0
Window 340	Unknown	31%	30%	1%	0.97	2%	2%	0%	1.0
Window 341	Unknown	32%	32%	0%	1.0	2%	2%	0%	1.0
Window 342	Unknown	38%	38%	0%	1.0	2%	2%	0%	1.0
Window 343	Unknown	39%	38%	1%	0.97	2%	2%	0%	1.0
Window 344	Unknown	41%	41%	0%	1.0	2%	2%	0%	1.0
Window 345	Unknown	45%	45%	0%	1.0	6%	6%	0%	1.0
Window 346	Unknown	46%	44%	2%	0.96	6%	4%	2%	0.67
Window 347	Unknown	48%	47%	1%	0.98	7%	6%	1%	0.86
Window 348	Unknown	52%	52%	0%	1.0	9%	9%	0%	1.0
Window 349	Unknown	53%	52%	1%	0.98	10%	9%	1%	0.9
Window 350	Unknown	54%	53%	1%	0.98	10%	9%	1%	0.9
Window 351	Unknown	52%	52%	0%	1.0	9%	9%	0%	1.0
Window 352	Unknown	48%	48%	0%	1.0	6%	6%	0%	1.0
Window 353	Unknown	58%	58%	0%	1.0	11%	11%	0%	1.0
Window 354	Unknown	58%	58%	0%	1.0	11%	11%	0%	1.0
Window 355	Unknown	54%	54%	0%	1.0	8%	8%	0%	1.0
Window 356	Unknown	20%	19%	1%	0.95	0%	0%	0%	1.0
Window 357	Unknown	30%	30%	0%	1.0	2%	2%	0%	1.0
Window 358	Unknown	32%	30%	2%	0.94	2%	2%	0%	1.0
Window 359	Unknown	38%	38%	0%	1.0	2%	2%	0%	1.0
Window 360	Unknown	39%	38%	1%	0.97	3%	2%	1%	0.67
Window 361	Unknown	42%	42%	0%	1.0	4%	4%	0%	1.0
Window 362	Unknown	43%	43%	0%	1.0	4%	4%	0%	1.0
Window 363	Unknown	21%	21%	0%	1.0	1%	1%	0%	1.0
Window 364	Unknown	36%	35%	1%	0.97	4%	4%	0%	1.0
Window 365	Unknown	37%	37%	0%	1.0	4%	4%	0%	1.0
Window 366	Unknown	35%	34%	1%	0.97	3%	3%	0%	1.0
Window 367	Unknown	42%	42%	0%	1.0	5%	5%	0%	1.0
Window 368	Unknown	43%	43%	0%	1.0	4%	4%	0%	1.0

Appendix 2 - Sunlight to Windows
Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
Window 369	Unknown	41%	41%	0%	1.0	3%	3%	0%	1.0
Window 370	Unknown	46%	46%	0%	1.0	6%	6%	0%	1.0
Window 371	Unknown	46%	46%	0%	1.0	6%	6%	0%	1.0
Window 372	Unknown	47%	47%	0%	1.0	6%	6%	0%	1.0
Window 373	Unknown	51%	51%	0%	1.0	8%	8%	0%	1.0
Window 374	Unknown	52%	52%	0%	1.0	8%	8%	0%	1.0
Window 375	Unknown	51%	51%	0%	1.0	7%	7%	0%	1.0
Window 376	Unknown	51%	51%	0%	1.0	7%	7%	0%	1.0
Window 377	Unknown	53%	53%	0%	1.0	8%	8%	0%	1.0
Window 378	Unknown	54%	54%	0%	1.0	9%	9%	0%	1.0
Window 379	Unknown	54%	54%	0%	1.0	8%	8%	0%	1.0
Window 380	Unknown	46%	46%	0%	1.0	5%	5%	0%	1.0
Window 381	Unknown	55%	55%	0%	1.0	8%	8%	0%	1.0
Window 382	Unknown	54%	54%	0%	1.0	7%	7%	0%	1.0
Window 383	Unknown	49%	49%	0%	1.0	4%	4%	0%	1.0
Window 384	Unknown	57%	57%	0%	1.0	8%	8%	0%	1.0
Window 385	Unknown	26%	26%	0%	1.0	1%	1%	0%	1.0
Window 386	Unknown	33%	32%	1%	0.97	2%	2%	0%	1.0
Window 387	Unknown	35%	35%	0%	1.0	3%	3%	0%	1.0
Window 388	Unknown	37%	37%	0%	1.0	3%	3%	0%	1.0
Window 389	Unknown	41%	41%	0%	1.0	3%	3%	0%	1.0
Window 390	Unknown	44%	44%	0%	1.0	5%	5%	0%	1.0
Window 391	Unknown	44%	43%	1%	0.98	5%	4%	1%	0.8
Window 392	Unknown	44%	44%	0%	1.0	4%	4%	0%	1.0
Window 393	Unknown	46%	46%	0%	1.0	5%	5%	0%	1.0
Window 394	Unknown	47%	47%	0%	1.0	6%	6%	0%	1.0
Window 395	Unknown	31%	31%	0%	1.0	3%	3%	0%	1.0
Window 396	Unknown	38%	38%	0%	1.0	4%	4%	0%	1.0
Window 397	Unknown	42%	42%	0%	1.0	5%	5%	0%	1.0
Window 398	Unknown	43%	43%	0%	1.0	5%	5%	0%	1.0
Window 399	Unknown	47%	47%	0%	1.0	6%	6%	0%	1.0
Window 400	Unknown	49%	49%	0%	1.0	7%	7%	0%	1.0
Window 401	Unknown	49%	49%	0%	1.0	7%	7%	0%	1.0

Appendix 2 - Sunlight to Windows

Natwest, High Holborn, London WC1V 7BF

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
Window 402	Unknown	51%	51%	0%	1.0	7%	7%	0%	1.0
Window 403	Unknown	52%	52%	0%	1.0	8%	8%	0%	1.0
Window 404	Unknown	52%	52%	0%	1.0	7%	7%	0%	1.0
Window 405	Unknown	55%	55%	0%	1.0	8%	8%	0%	1.0
Window 406	Unknown	56%	56%	0%	1.0	9%	9%	0%	1.0
Window 407	Unknown	59%	59%	0%	1.0	11%	11%	0%	1.0
Window 408	Unknown	59%	59%	0%	1.0	11%	11%	0%	1.0
Window 409	Unknown	61%	61%	0%	1.0	11%	11%	0%	1.0
Window 410	Unknown	57%	57%	0%	1.0	8%	8%	0%	1.0
Window 411	Unknown	48%	48%	0%	1.0	5%	5%	0%	1.0
Window 412	Unknown	60%	60%	0%	1.0	11%	11%	0%	1.0
Window 413	Unknown	62%	62%	0%	1.0	11%	11%	0%	1.0
Window 414	Unknown	37%	36%	1%	0.97	5%	5%	0%	1.0
Window 415	Unknown	41%	41%	0%	1.0	7%	7%	0%	1.0
Window 416	Unknown	40%	40%	0%	1.0	8%	8%	0%	1.0