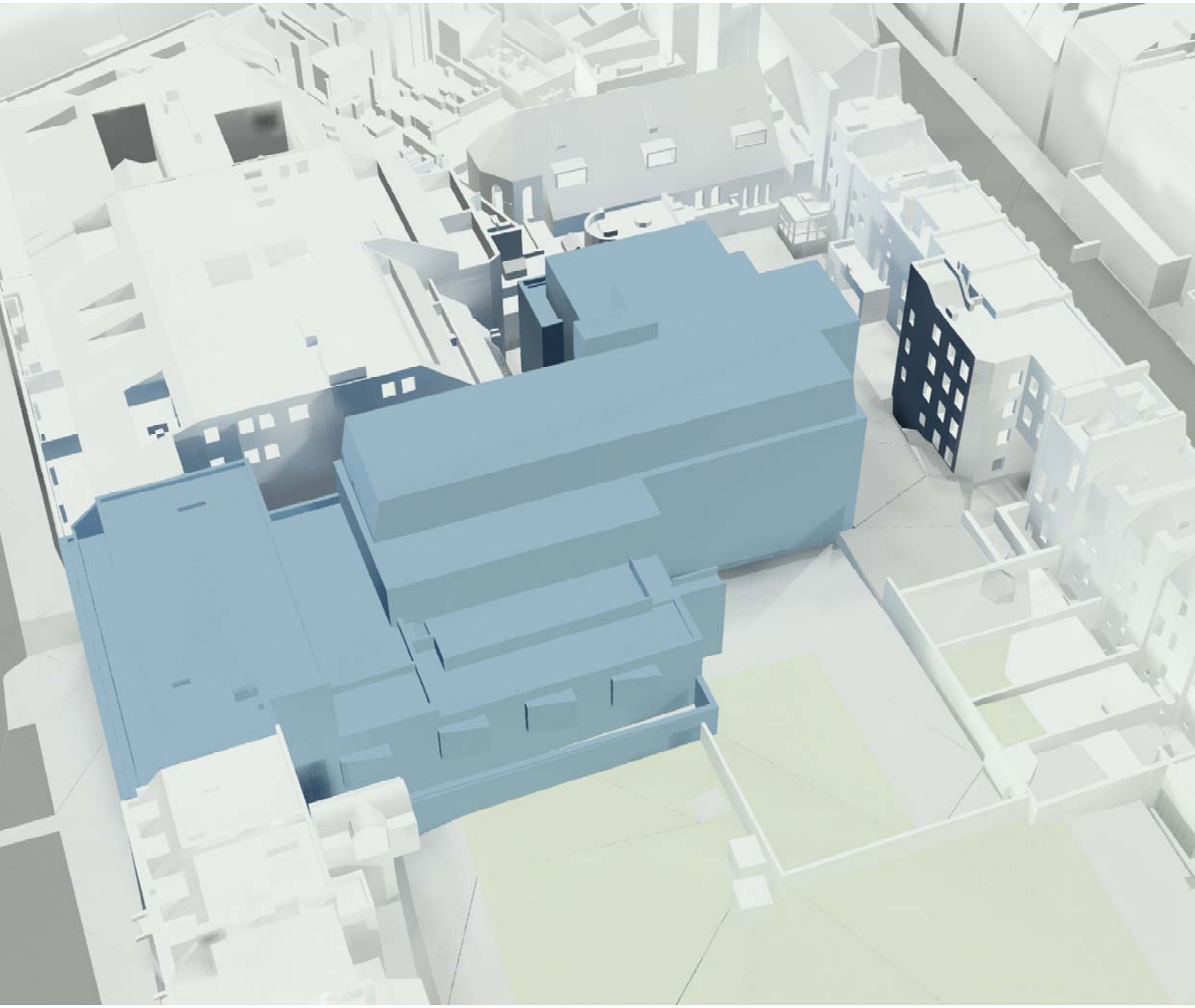

ORT HOUSE, ALBERT STREET, NW1

Daylight and Sunlight Report

waldrams
daylight & sunlight

23rd August 2017

Waldrams Ltd
Chartered Surveyors

Daylight and Sunlight Report

Project:	ORT House, Albert Street
Client:	World ORT
Prepared by:	Luke Wilson
Checked By:	Michael Harper
Reference:	1984
Date:	23rd August 2017

Document History

First Issued:	19th June 2017
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Waldrams Ltd Address: Unit 303, The Light Bulb
1 Filament Walk
London SW18 4GQ

Email: contact@waldrams.com
Telephone: 020 7183 9109
Website: www.waldrams.com

Contents

Executive Summary

- This is a daylight and sunlight analysis of the effect of the proposed development at ORT House, Albert Road, London, on the surrounding residential properties. The analysis has been based upon scheme drawings provided by the architect, photogrammetric survey, Ordnance Survey information and aerial/satellite photography.
- The analysis has been carried out in accordance with the methodologies contained in the BRE Guidelines, which is used by the local authority to determine the acceptability of a proposal in terms of its effect on neighbouring daylight and sunlight amenity.
- The analysis shows that all properties around the development site either meet or come sufficiently close to the BRE Guidelines to be considered acceptable with the proposal in place.
- The surrounding amenity spaces along Arlington Street and the amenity spaces within the ORT House site all meet the BRE Guidelines for sunlight amenity in the proposed situation.
- This scheme is therefore compliant with the BRE Guidelines for daylight and sunlight with the proposal in place.

1. Introduction

Waldrams Ltd has been instructed to provide daylight and sunlight analysis for the proposed scheme at ORT House, Albert Street, London. This analysis is based upon scheme drawings by Starc Architects received 31st May 2017, a photogrammetric survey, site photography and Ordnance Survey information.

The analysis has been carried out in accordance with the methodologies contained in the BRE Guidelines (*Site Layout Planning for Daylight and Sunlight: A Guide to Good Practice* by P. Littlefair (2011)), which is used by the local authority to determine the acceptability of a proposal in terms of its effect on neighbouring daylight and sunlight amenity.

The existing site can be seen on drawings 1984-01-01 to -01-03 in Appendix 1, with the proposal on drawings 1984-01-04 to -01-06, also in Appendix 1. The numerical results of the quantitative daylight and sunlight analysis can be found in Appendix 2. Results of the sunlight amenity analysis are included on drawings 1984-01-07 to -01-09 in Appendix 3. Window maps showing the locations of the windows analysed in the neighbouring property can be found on drawings 1984-01-10 to -01-15 in Appendix 1.

2. Summary of how daylight and sunlight are considered for planning

2.1 Introduction to the BRE Guidelines

Daylight and sunlight are planning considerations. The main reference used by local planning authorities to determine the acceptability of proposals in terms of their internal daylight and sunlight and the impact on daylight and sunlight to the surrounding properties is the Building Research Establishment (BRE) Guidelines, used in conjunction with British Standard BS8206 Part 2. The BRE Guidelines provide scientific, objective methods for establishing the acceptability of daylight and sunlight internal to the scheme and the surrounding properties. In practice it is principally the main habitable rooms internal to the scheme and within the surrounding residential properties which are sensitive in terms of loss of daylight and sunlight. This report therefore focuses on the internal daylight and sunlight and the change in daylight and sunlight to habitable rooms in the surrounding residential properties.

The BRE Guidelines specify that the daylight and sunlight results be considered flexibly and in the context of the site. Clearly there would be a higher expectation for daylight and sunlight in a rural or suburban environment than in a dense city centre location. The important factor in all cases is that the levels of daylight and sunlight are appropriate, taking into account all the planning policy

requirements of the site. The BRE Guidelines acknowledge this in the introduction where the BRE Guidelines state:

> "The guide is intended for building designers and their clients, consultants and planning officials. The advice given here is not mandatory and thus this document should not be seen as an instrument of planning policy. Its aim is to help rather constrain the designer. Although it gives numerical guidelines, these should be interpreted flexibly because natural lighting is only one of the many factors in site layout design. In special circumstances the developer or planning authority may wish to use different target values."
>
> (Page 1, BRE Guidelines)

Thus, the numerical figures should not be rigidly applied, but instead used as part of the overall evaluation of the daylight and sunlight to the surroundings in context of the site, its existing massing, and the need for regeneration and local planning policy guidance for the site. In particular existing local precedents or recent planning consents may provide a good indication as to appropriate levels in the vicinity.

The BRE Guidelines specifies on Page 3 that in calculating daylight, "For calculation purposes, trees may be ignored unless they form dense continuous belts."

2.2 Daylight and sunlight criteria to surrounding residential property

According to the BRE Guidelines a surrounding existing building to a proposed scheme will retain the potential for good interior daylighting, provided that the scheme subtends less than 25 degrees from the horizontal as measured from the lowest habitable windows in the neighbouring windows. If this is not achieved then good daylighting to the neighbouring properties is still achieved if the Vertical Sky Component (VSC) is in excess of 27% or is reduced by less than 20% from its existing level. Furthermore, if the area of the room that can see the sky at desk height (known as the daylight distribution or no sky contour) is reduced by less than 20% of its existing area, then the loss of daylight will probably be unnoticeable according to the BRE Guidelines.

Where the existing level of VSC or daylight distribution is below the BRE Guideline suggested level, very small absolute losses of daylight can reflect in greater than 20% reductions of VSC and daylight distribution, even though such small losses may not be noticeable.

In these cases, so long as the Average Daylight Factor meets the criteria suggested by the BRE Guidelines (i.e. 1.5% ADF for a living room, 1% ADF for a bedroom and 2% ADF for a kitchen) then good internal daylight can still be achieved.

The ADF measure of daylight takes into account the main factors which affect the actual daylight appearance of a room including the area of the window.

ADF provides an absolute measure of daylight expressed as a ratio of daylight for the room in question as a proportion of the daylight outside at any moment in time.

The test for sunlight to the neighbouring properties is calculated for each main south facing window to habitable rooms and in particular living rooms. Bedrooms and kitchens are considered by the BRE Guidelines as less important for sunlight. The BRE Guidelines state that any south facing window may potentially receive up to 1486 hours of sunlight per year on average, representing 100% of the annual probable sunlight hours (APSH). Of this, each main window to a main habitable room may be adversely affected if it has less than 25% of the total APSH across the whole year or less than 5% APSH during the winter months (defined as the 6 months from September 21st through to March 21st). If the retained total APSH is reduced by less than 4% or the change from the existing is less than 20% for total and winter levels of APSH then this too would meet the BRE Guideline levels.

Following the BRE Guidelines recommendations, VSC and APSH are measured from a point on the outer window wall whilst ADF is measured from the point halfway between the inner and outer window wall.

2.3 Internal new build criteria for daylight and sunlight

According to the BRE Guidelines and BS8206 (Part 2), the method for assessing internal daylight is:

- Average Daylight Factor (ADF);

and for internal sunlight it is:

- Annual Probable Sunlight Hours (APSH).

The ADF measure of daylight takes into account the main factors which affect the actual daylight appearance of a room including the area of the window.

ADF provides an absolute measure of daylight expressed as a ratio of daylight for the room in question as a proportion of the daylight outside at any moment in time. The ADF for a living room should be above 1.5% (i.e. the room should enjoy a minimum of 1.5% of the average external daylight at any moment in time), whilst that for a bedroom and kitchen should be in excess of 1% and 2% respectively. ADF is dependent on the area of sky visibility, which is closely related to VSC, the area of the window serving the room, the glazing transmittance, the total area of the room's surfaces and the internal reflectance of the room.

The test for sunlight is calculated for each main south facing window to habitable rooms and in particular living rooms. Bedrooms and kitchens are considered by the BRE Guidelines as less important for sunlight. The BRE Guidelines state that any south facing window may potentially receive up to 1486 hours of sunlight per year on average, representing 100% of the annual probable sunlight hours (APSH). Of this, each main window to a main habitable room may be adversely affected if it has less that 25% of the total APSH across the whole year or less that 5% APSH during the winter months (defined as the 6 months from September 21st through to March 21st).

Following the BRE Guidelines recommendations, APSH is measured from a point on the inner window wall whilst ADF is measured from the point halfway between the inner and outer window wall.

2.4 Method used for calculating the daylight and sunlight results

The analysis provided in this report utilizes state-of-the-art software to calculate in three dimensions the daylight and sunlight following the methods specified in the BRE Guidelines. A three dimensional accurate computer model has been created for the existing site in context of the immediate surrounding properties, partial measured survey of the site and surrounding context, a photogrammetric survey, site photography and Ordnance Survey information. Drawings of the existing and proposed building in context of the surrounding properties are shown in Appendix 1.

2.4.1 Surrounding properties

Daylight and sunlight levels comparing the existing and proposed daylight (VSC, daylight distribution and ADF) and sunlight (APSH) situation are then calculated for the surrounding properties. These results are provided in Appendix 2.

2.5 Method for analysing acceptable sunlight amenity to the open amenity spaces within the proposed scheme

The BRE Guidelines states that each open amenity space should receive at least 2 hours of sunlight on March 21st to at least 50% of its area or that the centre point of each amenity space should receive at least 2 hours of sunlight on March 21st.

3. Assumptions and room layouts used in the analysis

Uses of the surrounding properties have been based on external appearance to determine whether they are residential or commercial use. Where this is ambiguous we have researched the Council Tax records for the property, which if listed would indicate residential use.

It is important to note that the precise position of the surrounding property elevations has been estimated, based on brick counts from site photographs. The floor levels for the surrounding buildings are assumed unless otherwise indicated, which may affect the daylight distribution and ADF calculations.

We have obtained partial or full layouts of the following surrounding properties from either the local planning website or local estate agents:

- 128 Albert Street
- 135 Arlington Road
- 141 Arlington Road
- 143 Arlington Road
- 145 Arlington Road
- 147-155 Arlington Road
- 157 Arlington Road
- 159B Arlington Road

We have not been able to gain access internally to any of the remaining surrounding properties and so details of the internal layouts and floor level heights have been assumed from the external appearance of the building, and the locations of windows. Unless known or otherwise, appropriate the depths of rooms have been assumed at 4.27m for residential properties and 6m for commercial properties, or half the building depth if this is less than these dimensions.

4. Sources of Information Used in the Report

Montagu Evans
OS Map.dwg
Plans.dwg
Sections & Elevations.dwg
090 PA 01 Loc Plan 1250.pdf
090 PA 02 Site Plan 500.pdf
090 PA 03 Block Plan 250.pdf
090 PA 04 Ex Basement.pdf
090 PA 05 Ex GF.pdf
090 PA 06 Ex FF.pdf
090 PA 07 Ex SF.pdf
090 PA 08 Ex TF.pdf
090 PA 09 Pr Basement.pdf
090 PA 10 Pr GF.pdf
090 PA 11 Pr FF.pdf
090 PA 12 Pr SF.pdf
090 PA 13 Pr TF.pdf
090 PA 14 EL W.pdf
090 PA 15 EL E.pdf
090 PA 16 Sec AA.pdf
090 PA 17 EL N.pdf
090 PA 18 Sec BB.pdf
090 PA 19 Sketch.pdf
090 2016-12-05 Ort House-pre-app_D&A report.pdf
Received 31/5/17

Local Planning Website
128 Albert St
197-EX-01 FLOOR PLANS.pdf
197-EX-02 Existing Floor plans and sections.pdf
197-EX-03 Rev 01 BLOCK PLAN.pdf
197-PL-01 3RD FLOOR PLAN.pdf
197-PL-03 REAR ELEVATION EAST EXISTING AND PROPOSED.pdf

135 Arlington Road
Existing & proposed plans & elevation.pdf
PLANS.pdf

141 Arlington Road
Drawing (2).pdf

143 Arlington Road
Drawing (2).pdf

145 Arlington Road
FLOOR PLANS SECTIONS exist.pdf
FLOOR PLANS SECTIONS prop.pdf

147-155 Arlington Road
Drawing.pdf
Drawing (1).pdf

157 Arlington Road
Existing rear elevation.pdf
Proposed first floor plan.pdf
Proposed ground floor plan.pdf
Proposed lower ground floor plan.pdf
Proposed rear elevation.pdf
Proposed second floor plan.pdf

159B Arlington Road
Includes Photos.pdf
Obtained 9/6/17

Waldrams Ltd
Site Photographs
Ordnance Survey
Photogrammetric Survey

5. The Existing Site

The existing site is shown below in photo 1 and can also be seen on drawings 1984-01-01 to -01-03 in Appendix 1.

Photo 1: The existing site

6. Daylight & Sunlight Analysis

The BRE Guidelines make it clear that daylight and sunlight for planning purposes are primarily a concern for surrounding residential properties, since commercial properties will tend to be well served by artificial lighting. Therefore we have only commented on the impact of the proposal on the surrounding residential properties below.

We have considered the following residential or part-residential properties in our analysis due to their proximity to the scheme:

- 137 to 161 Arlington Road
- Residential elements of existing ORT House, Albert Street
- 118 Albert Street

- Atlantic House, 128 Albert Street

Whilst Our Lady of Hal Church on Arlington Road is not of residential use, the BRE Guidelines state that where a non-domestic building has a requirement for sunlight, these buildings should be included in analysis. Given that this church is to the north of the development site, with south-facing windows looking over ORT House, we have included this building in the sunlight analysis and comment further on it below.

In conducting our analysis, we have – in accordance with the recommendations contained in the BRE Guidelines – calculated the level of daylight and sunlight to the surrounding properties in terms of Vertical Sky Component (VSC), Daylight Distribution and Average Probable Sunlight Hours (ASPH). We have assessed the level of daylight and sunlight to the surrounding properties both in the existing situation as well as with the proposed scheme in place, thereby ascertaining the scheme's potential impact on the daylight and sunlight to the neighbouring properties and whether it is in accordance with the BRE Guidelines.

The following properties are fully compliant with the BRE Guidelines on daylight and sunlight in the proposed position and so are not commented on below:

- 137 to 161 Arlington Road
- Residential elements of existing ORT House, Albert Street
- 118 Albert Street

Commentary on the remaining properties follows below.

Atlantic House, 128 Albert Street

This building is shown below in photos 2 to 4.

Photo 2: 128 Albert Street (front elevation)

Photo 3: 128 Albert Street showing residential units (rear elevation)

Photo 4: 128 Albert Street showing residential units (side elevation)

This building is of mixed use, with the Valuations Office Agency (VOA) website showing commercial use on the ground and first floors with residential units above.

On this basis, in daylight terms, all but one window understood to serve habitable residential space meets the BRE Guidelines for VSC with the proposal in place. The one remaining window, W9 on the second floor (marked above in photo 4) has been modelled to serve a large living room also served by the left hand window behind the balcony in photo 3, on the basis that the floor above appears to be open plan (the sky can be seen through the equivalent to window W9 on the floor above). On this basis, the main window to this room is fully compliant with the BRE Guidelines for VSC whilst the room is fully compliant with the BRE Guidelines for daylight distribution.

However, it is possible that the window marked in photo 4 above is the only window to serve a room. In this scenario, this window experiences a 22% reduction in VSC, very close to the recommended 20% reduction in the BRE Guidelines. Given the flexibility permitted in the BRE Guidelines in urban locations such as this, this window would likely be considered acceptable even in this more onerous assumed position.

In sunlight terms, all windows which face within 90° of due south meet the BRE Guidelines for both annual and winter APSH with the proposal in place.

On the basis of the above, all habitable windows and rooms within this property meet the BRE Guidelines for both daylight and sunlight with the proposal in place.

Our Lady of Hal Church, Arlington Road

This building is shown below in photo 5. As stated above, this building is not of residential use, the BRE Guidelines state that where a non-domestic building has a requirement for sunlight, these buildings should be included in analysis. Given that this church is to the north of the development site, with south-facing windows looking over ORT House, we have included this building in the sunlight analysis and comment further on it below.

Photo 5: Our Lady of Hal Church, Arlington Road

The analysis shows that all windows which face ORT House remain BRE Guideline compliant in terms of annual and winter APSH (sunlight) with the proposal in place.

7. Sunlight Amenity

Sunlight amenity analysis has been carried out on March 21st, as recommended by the BRE Guidelines, for the existing amenity spaces within the site itself, the proposed amenity area at

basement level, and the rear gardens of the properties adjacent the development site on Arlington Road. The results for this analysis are shown in Appendix 3 on drawings 1984-01-07 to -01-09. The BRE Guidelines recommend that at least 50% of each amenity space receives at least 2hrs of sunlight on March 21st, or experience less than a 20% reduction in the area receiving 2 hours of sunlight in the existing situation.

In terms of the surrounding amenity areas i.e. the rear gardens of 137 to 145 (odd) Arlington Road, shown on drawing 1984-01-08, all meet the BRE Guidelines experiencing no change in the area receiving 2hrs of sunlight on March 21st.

In terms of the existing amenity space at ORT House, shown on drawing 1984-01-07, this space also meets the BRE Guidelines for sunlight amenity, experiencing no change in the area receiving 2hrs of sunlight on March 21st. It is important to note that the area measured is smaller than the true existing amenity space; this is because the proposal involves digging a hole in this amenity space to provide a further amenity space at basement level. It is therefore only appropriate to measure the impact to this 'existing' amenity space when it has been reduced to its proposed size.

Finally, the proposed amenity space at basement level within ORT House also meets the BRE Guidelines, receiving at least two hours sunlight on March 21st to 55% of its area. This analysis is shown on drawing 1984-01-09.

8. Conclusions and Recommendations

This is a daylight and sunlight analysis of the effect of the proposed development at ORT House, Albert Road, London, on the surrounding residential properties. The analysis has been based upon scheme drawings provided by the architect, photogrammetric survey, Ordnance Survey information and aerial/satellite photography.

The analysis has been carried out in accordance with the methodologies contained in the BRE Guidelines, which is used by the local authority to determine the acceptability of a proposal in terms of its effect on neighbouring daylight and sunlight amenity.

The analysis shows that all properties around the development site either meet or come sufficiently close to the BRE Guidelines to be considered acceptable with the proposal in place.

The surrounding amenity spaces along Arlington Street and the amenity spaces within the ORT House site all meet the BRE Guidelines for sunlight amenity in the proposed situation.

This scheme is therefore compliant with the BRE Guidelines for daylight and sunlight with the proposal in place.

APPENDIX 1

Drawings

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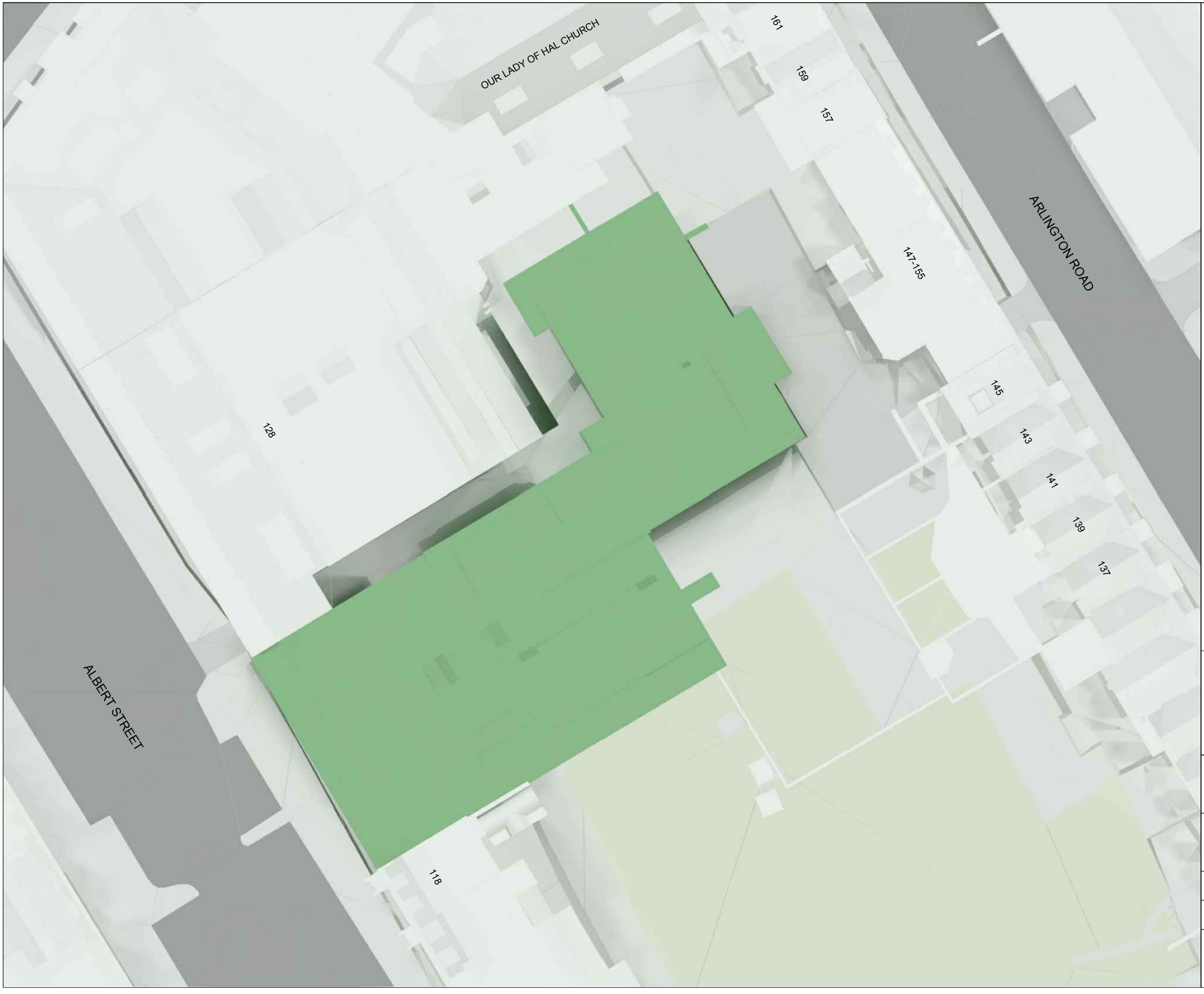
daylight & sunlight



SOURCES OF INFORMATION:

MONTAGU EVANS
IR01 (RECEIVED 31.05.17)

VERTEX
IR02 (RECEIVED 06.06.17)

SURROUNDING PROPERTIES

SITE PHOTOGRAPHY

N

NOTES:

EXISTING BUILDING SHOWN IN GREEN

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Tel: 020 7183 9109
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PROJECT
ORT HOUSE, ALBERT ROAD, LONDON, NW1

DRAWING
PLAN VIEW
EXISTING CONDITION

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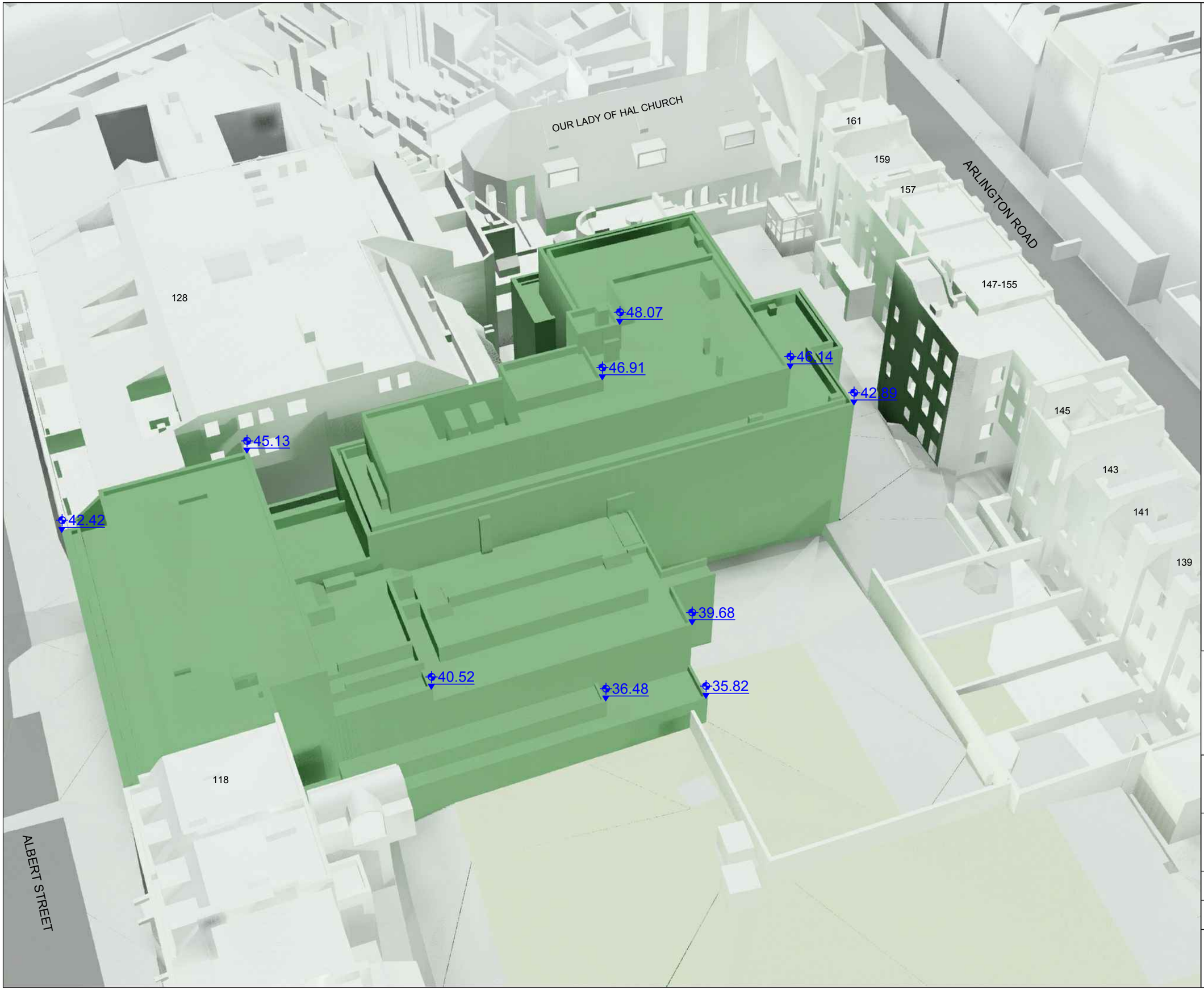

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VERTEX
IR02 (RECEIVED 06.06.17)

SURROUNDING PROPERTIES

SITE PHOTOGRAPHY

NOTES:

ALL AOD HEIGHTS ARE IN METRES

EXISTING BUILDING SHOWN IN GREEN

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PROJECT
ORT HOUSE, ALBERT ROAD, LONDON, NW1

DRAWING
3D VIEW
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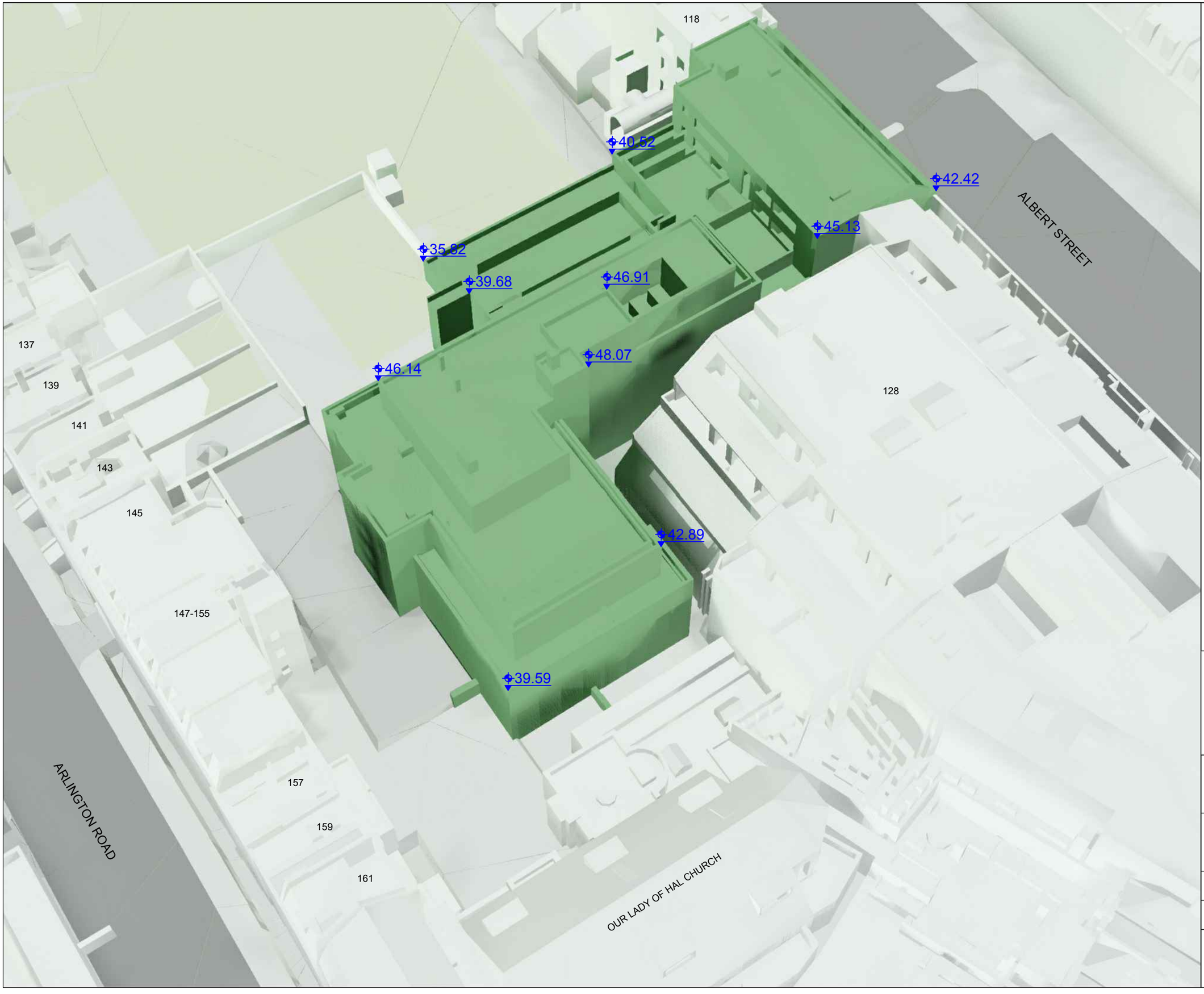

SOURCES OF INFORMATION:

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SURROUNDING PROPERTIES

SITE PHOTOGRAPHY

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NOTES:

ALL AOD HEIGHTS ARE IN METRES

EXISTING BUILDING SHOWN IN GREEN

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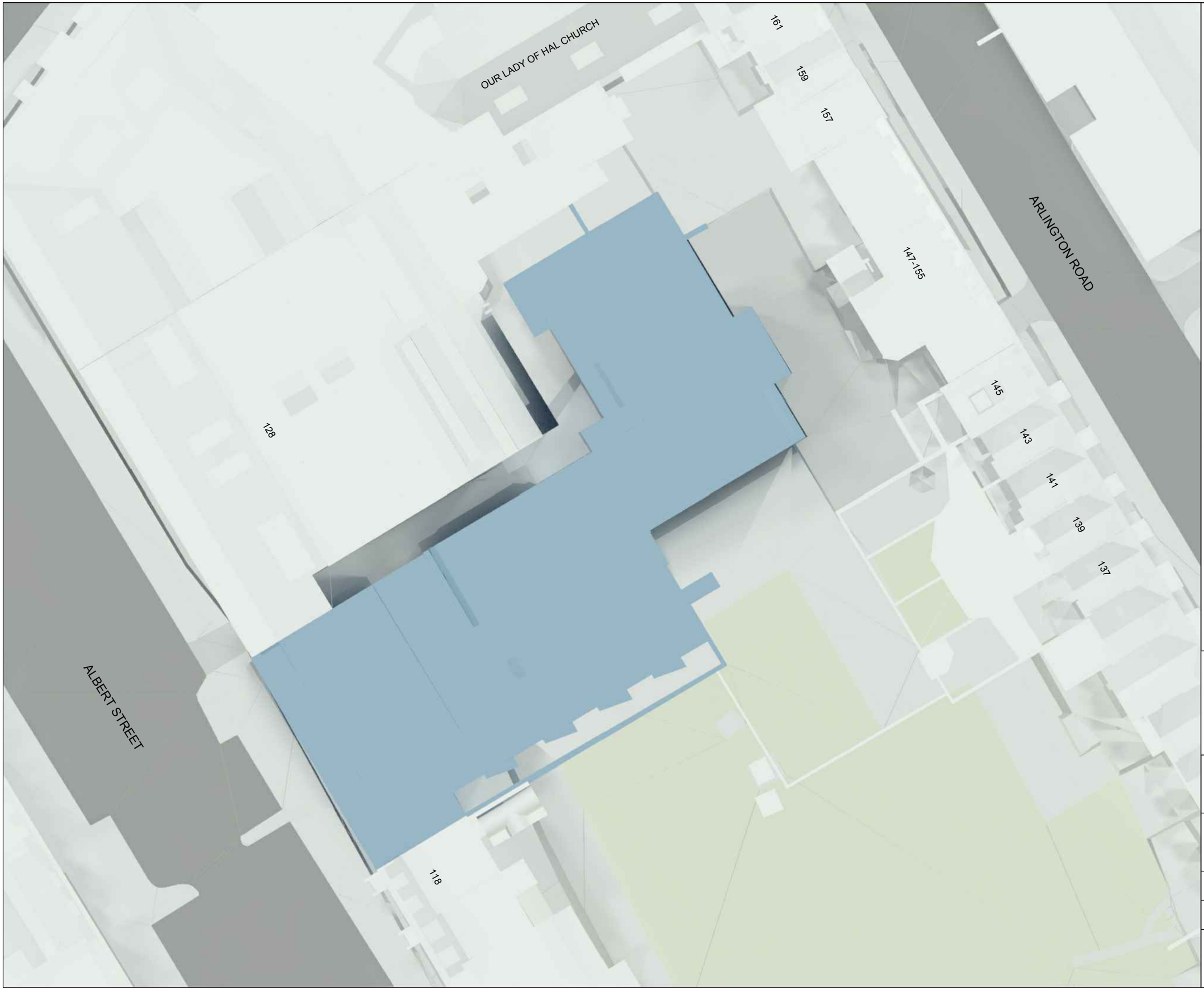

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MONTAGU EVANS
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VERTEX
IR02 (RECEIVED 06.06.17)

SURROUNDING PROPERTIES

SITE PHOTOGRAPHY

N

NOTES:

PROPOSED SCHEME SHOWN IN BLUE

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DRAWING
PLAN VIEW
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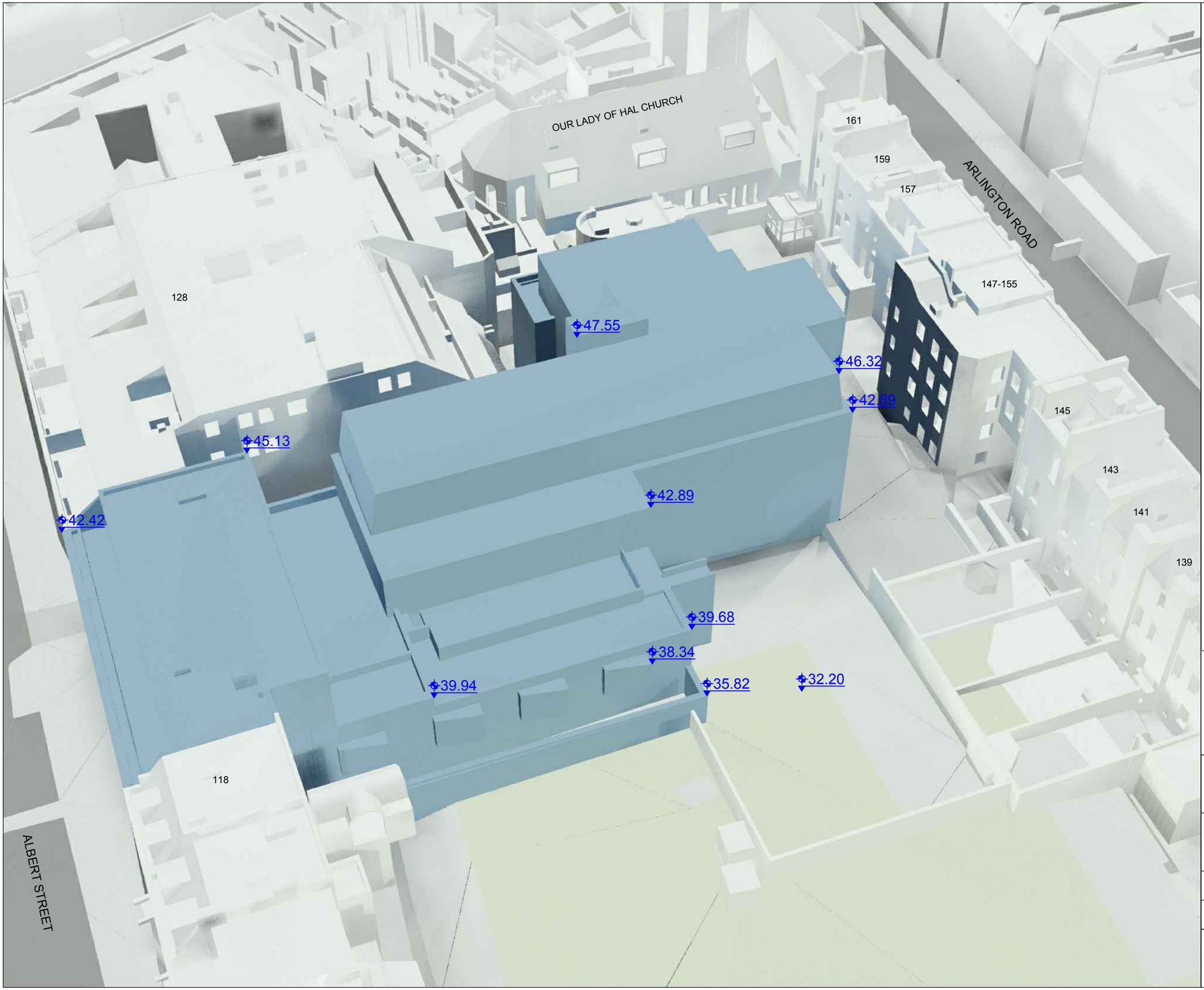

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VERTEX
IR02 (RECEIVED 06.06.17)

SURROUNDING PROPERTIES

SITE PHOTOGRAPHY

NOTES:

ALL AOD HEIGHTS ARE IN METRES

PROPOSED SCHEME SHOWN IN BLUE

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PROJECT
ORT HOUSE, ALBERT ROAD, LONDON, NW1

DRAWING
3D VIEW
PROPOSED SCHEME

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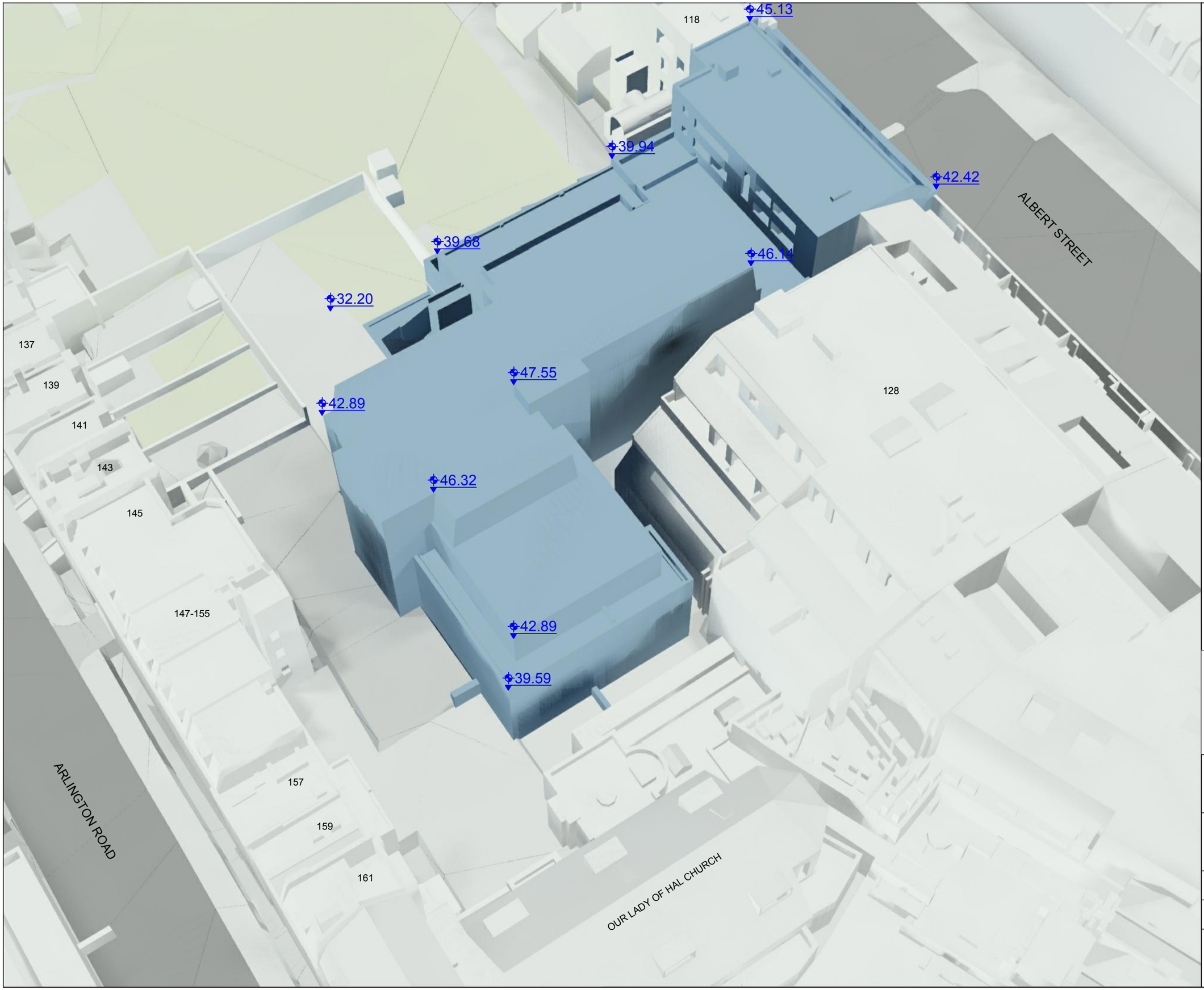

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SITE PHOTOGRAPHY

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PROPOSED SCHEME SHOWN IN BLUE

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PROJECT
52-56 WEST STREET,
SHEFFIELD, S1

DRAWING
3D VIEW
PROPOSED SCHEME

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PROJECT
ORT HOUSE, ALBERT ROAD,
LONDON, NW1

DRAWING
WINDOW MAP

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PROJECT No.	REL No.-DRAWING No.
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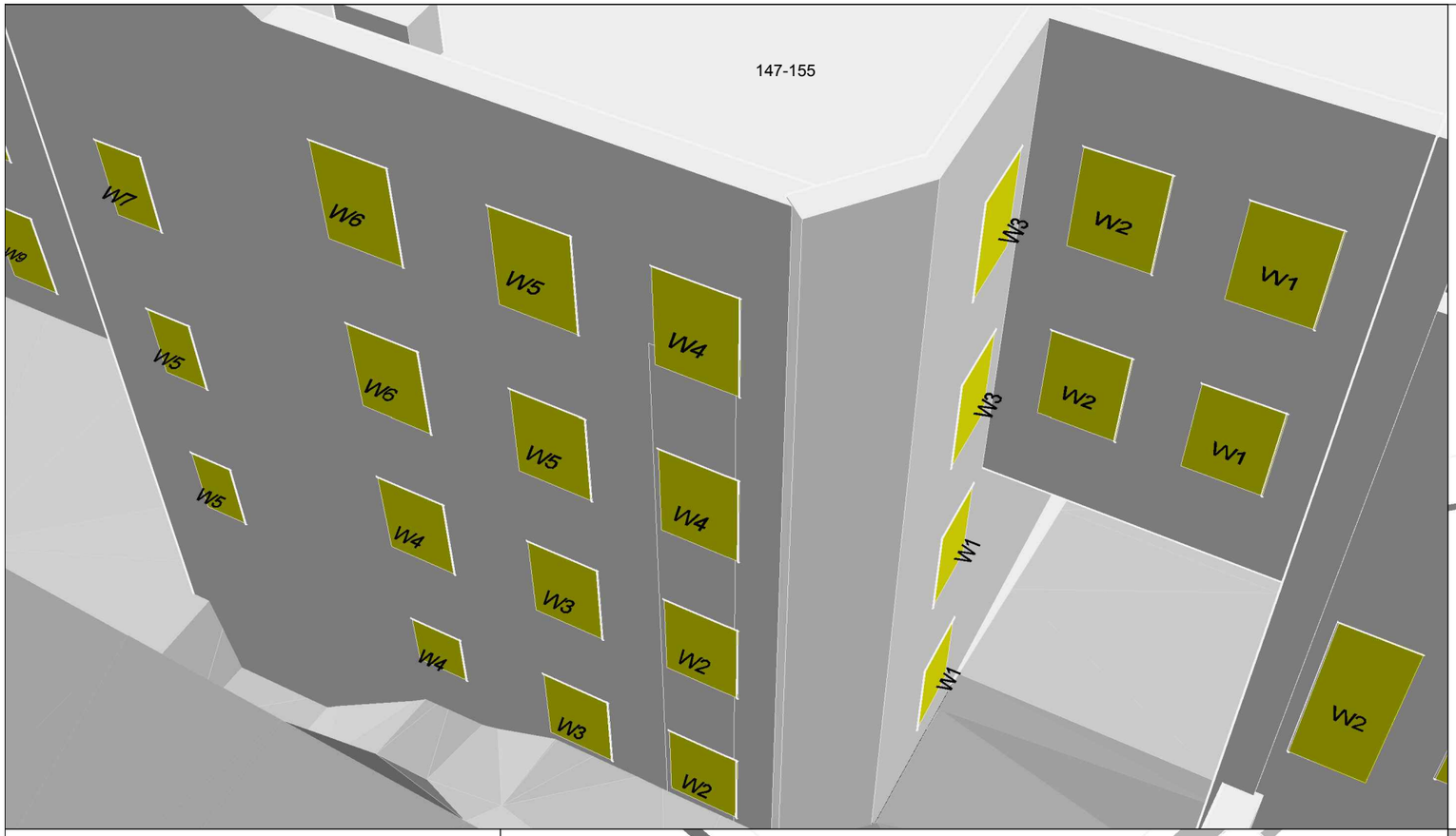

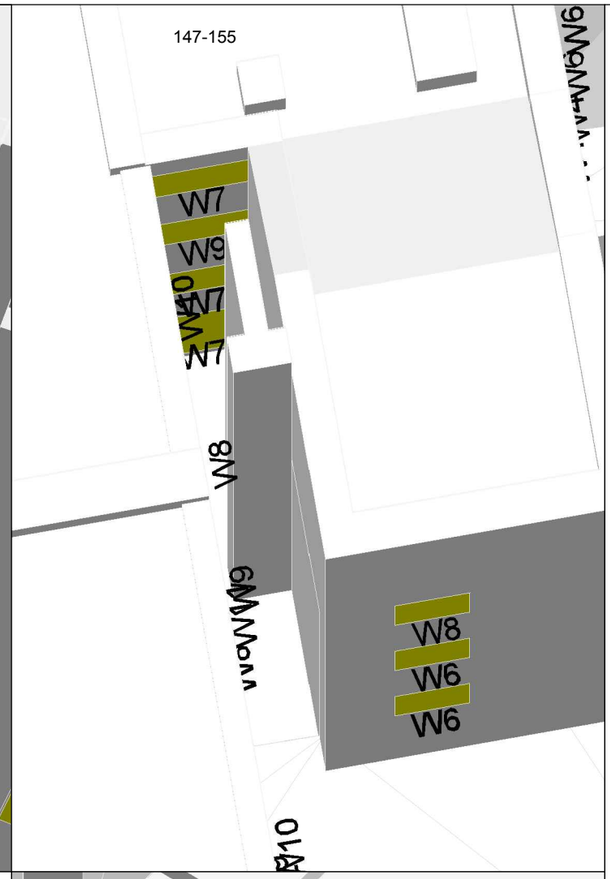

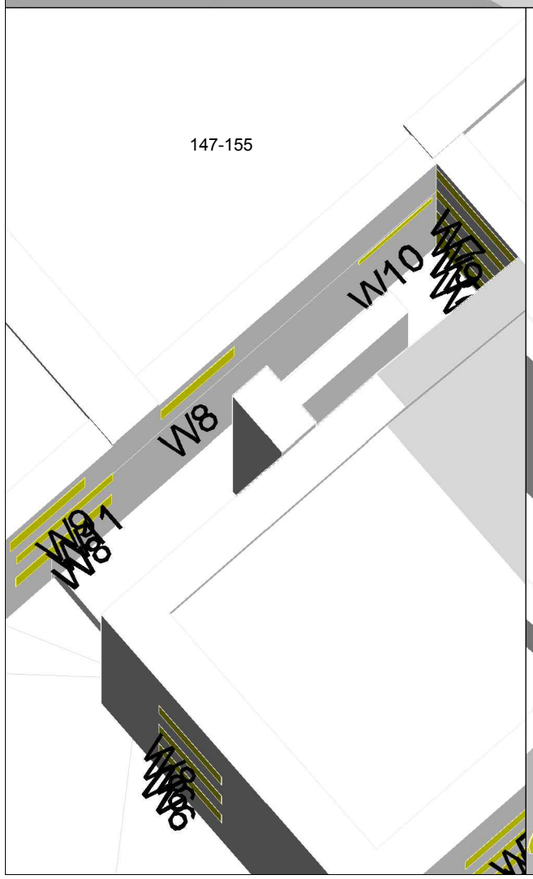

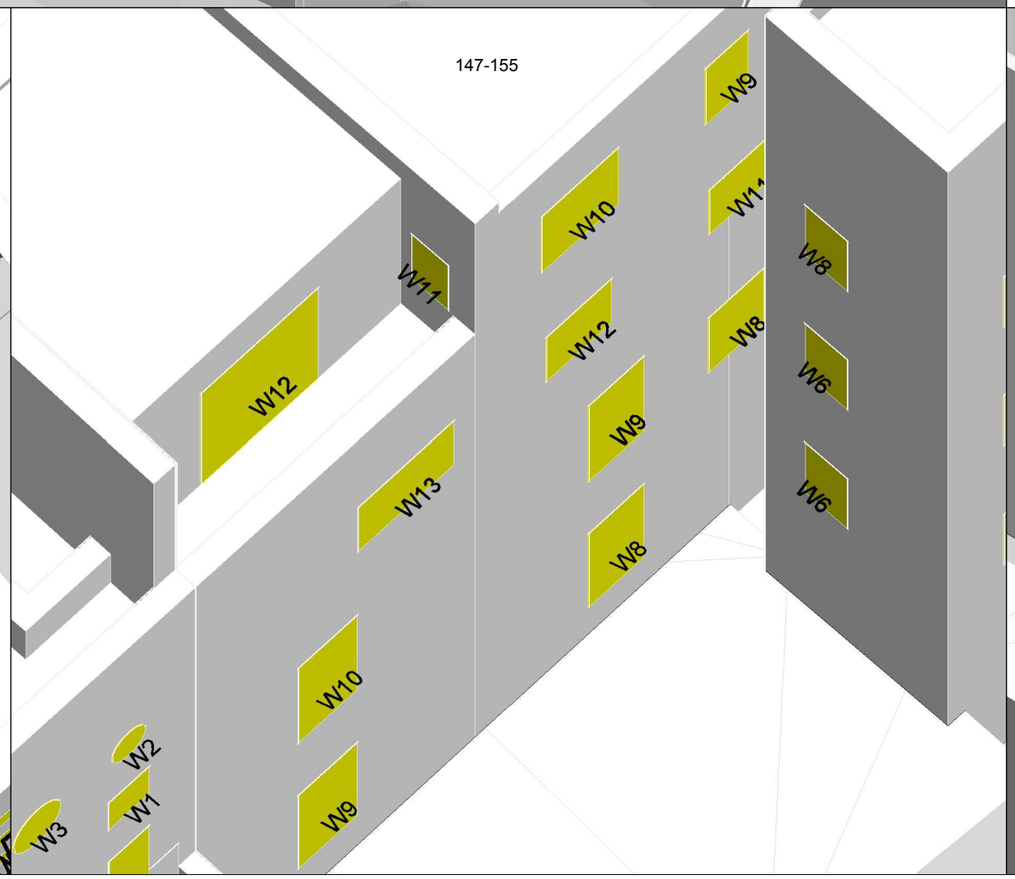

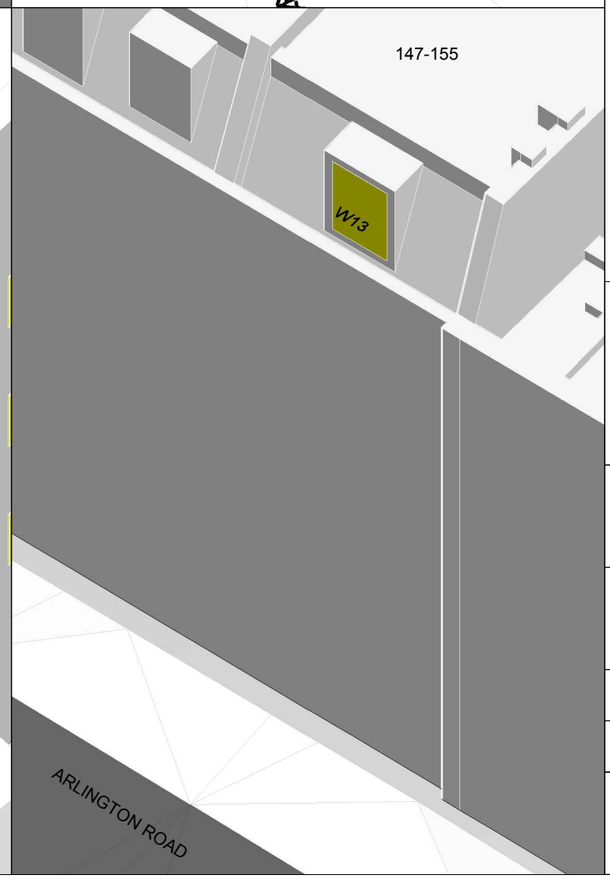

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PROJECT
ORT HOUSE, ALBERT ROAD, LONDON, NW1

DRAWING
WINDOW MAP

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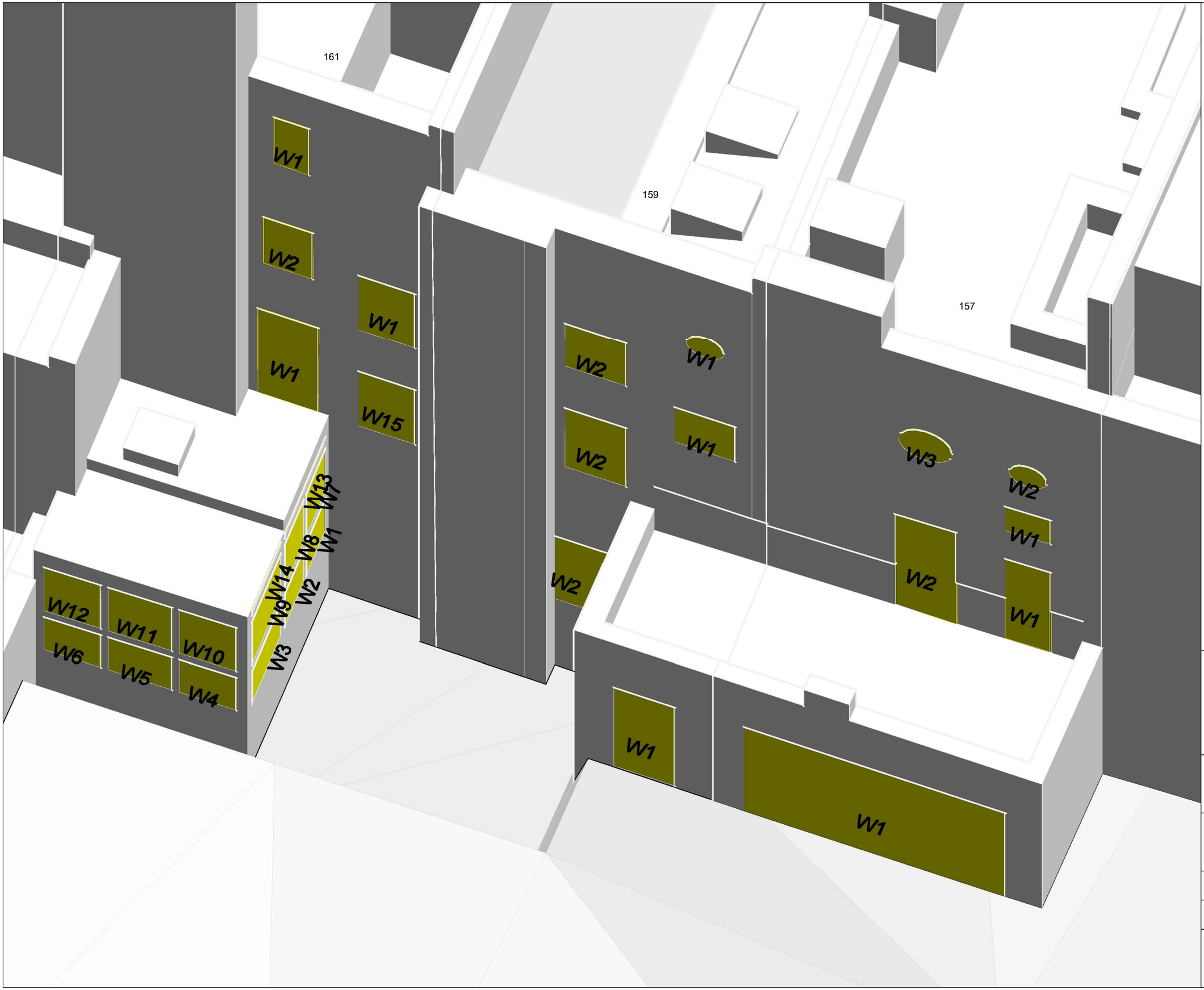
16.06.17	NTS
MODELED BY	DRAWN BY
JH	JH
PROJECT No.	REL No.-DRAWING No.
1984	01-11



SOURCES OF INFORMATION:

MONTAGU EVANS
IR01 (RECEIVED 31.05.17)

VERTEX
IR02 (RECEIVED 06.06.17)

SURROUNDING PROPERTIES

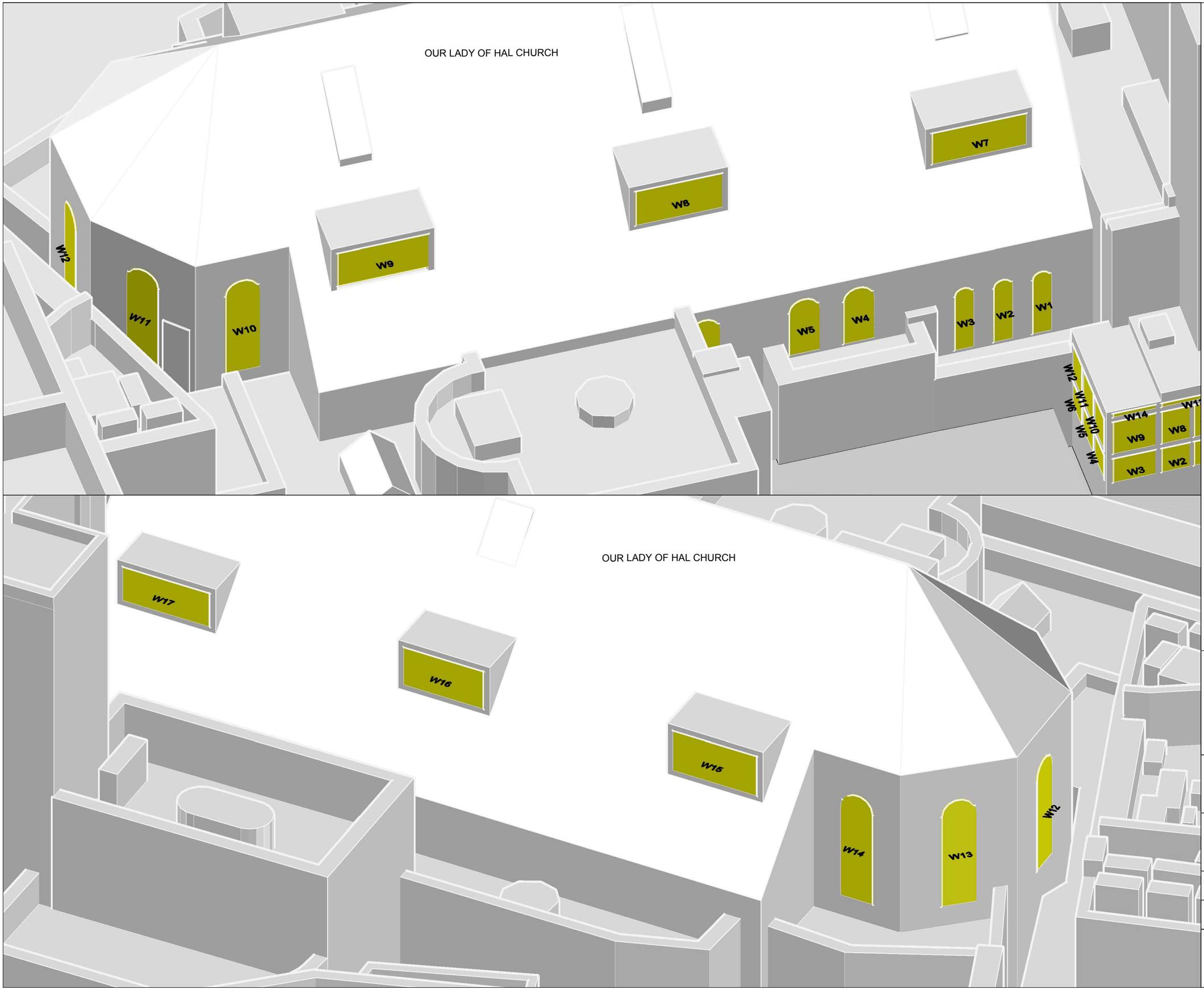
SITE PHOTOGRAPHY

waldrams
Email: contact@waldrams.com
Tel: 020 7183 9109
www.waldrams.com

PROJECT
ORT HOUSE, ALBERT ROAD, LONDON, NW1

DRAWING
WINDOW MAP

DATE	SCALE @ A3
19.06.17	NTS
MODELED BY	DRAWN BY
JH	JH
PROJECT No.	REL No.-DRAWING No.
1984	01-12



SOURCES OF INFORMATION:

MONTAGU EVANS
IR01 (RECEIVED 31.05.17)

VERTEX
IR02 (RECEIVED 06.06.17)

SURROUNDING PROPERTIES

SITE PHOTOGRAPHY

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PROJECT
ORT HOUSE, ALBERT ROAD, LONDON, NW1

DRAWING
WINDOW MAP

DATE	SCALE @ A3
19.06.17	NTS
MODELED BY	DRAWN BY
JH	JH
PROJECT No.	REL No.-DRAWING No.
1984	01-13

SOURCES OF INFORMATION:

MONTAGU EVANS
IR01 (RECEIVED 31.05.17)

VERTEX
IR02 (RECEIVED 06.06.17)

SURROUNDING PROPERTIES

SITE PHOTOGRAPHY

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Tel: 020 7183 9109
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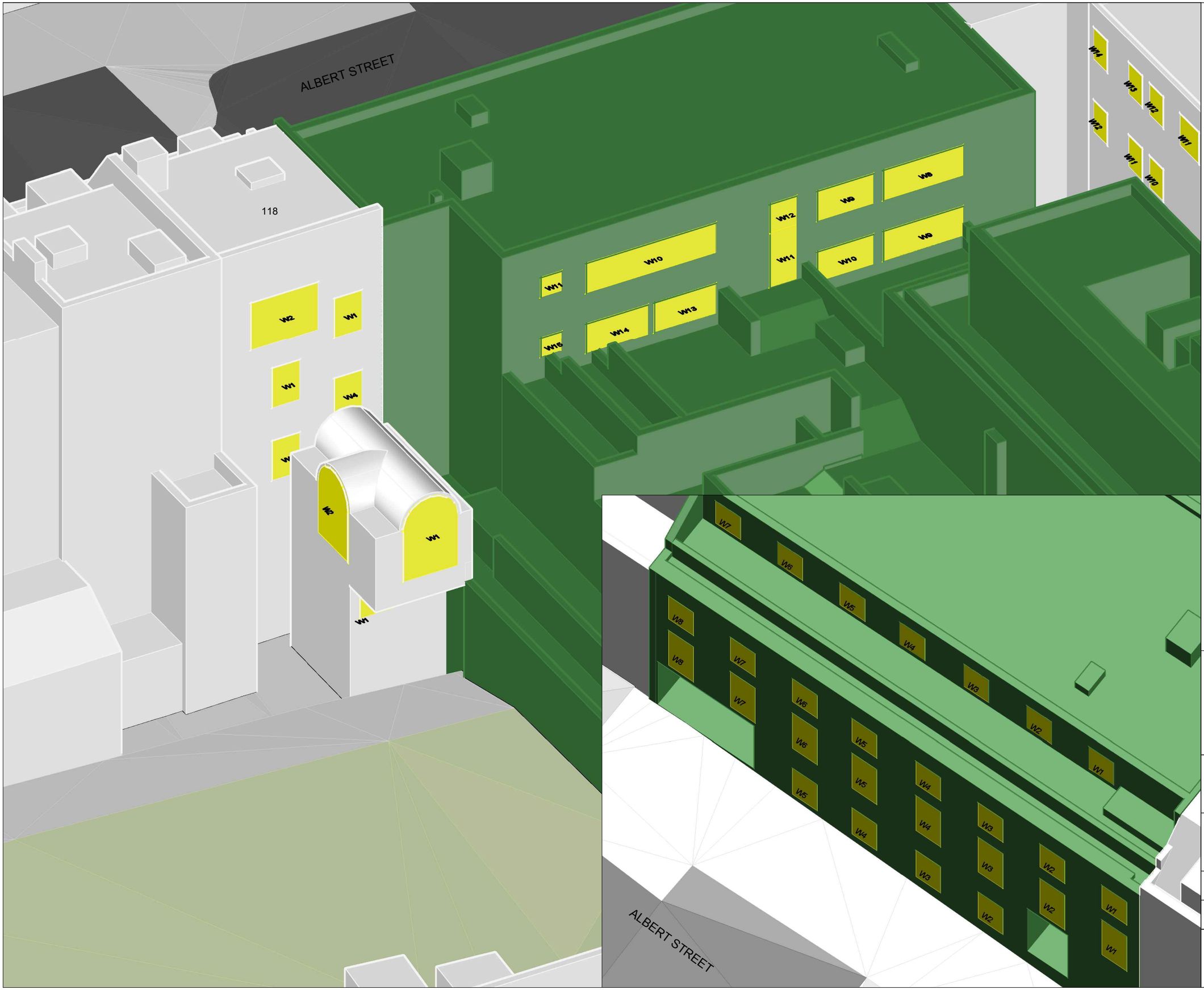
PROJECT
ORT HOUSE, ALBERT ROAD, LONDON, NW1

DRAWING
WINDOW MAP

DATE	SCALE @ A3
19.06.17	NTS
MODELED BY	DRAWN BY
JH	JH
PROJECT No.	REL No.-DRAWING No.
1984	01-14



SOURCES OF INFORMATION:

MONTAGU EVANS
IR01 (RECEIVED 31.05.17)

VERTEX
IR02 (RECEIVED 06.06.17)

SURROUNDING PROPERTIES

SITE PHOTOGRAPHY

NOTES:

EXISTING BUILDING SHOWN IN GREEN

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PROJECT
ORT HOUSE, ALBERT ROAD, LONDON, NW1

DRAWING
WINDOW MAP

DATE	SCALE @ A3
19.06.17	NTS
MODELED BY	DRAWN BY
JH	JH
PROJECT No.	REL No.-DRAWING No.
1984	01-15

APPENDIX 2

Daylight & Sunlight Results

waldrams
daylight & sunlight

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.	Window Ref.		VSC	Pr/Ex	Annual	Pr/Ex	Winter	Pr/Ex
137 Arlington Road												
Basement	R1	Flat1	Residential	Bathroom	W1	Existing	18.07	1.00	23	1.00	3	1.00
						Proposed	18.09		23		3	
	R2	Flat1	Residential	Stairwell	W2	Existing	18.73	1.00	32	1.00	5	1.00
						Proposed	18.73		32		5	
Ground	R1		Residential	LKD	W1	Existing	25.59	0.99	35	0.97	4	1.00
						Proposed	25.31		34		4	
					W2	Existing	25.45	1.00		*North*		*North*
						Proposed	25.45					
First	R1	Flat1	Residential	Kitchen	W1	Existing	31.76	0.99	46	1.00	14	1.00
						Proposed	31.52		46		14	
	R2	Flat1	Residential	Stairwell	W2	Existing	28.77	1.00	55	1.00	18	1.00
						Proposed	28.68		55		18	
Second	R1	Flat1	Residential	Bathroom	W1	Existing	34.04	1.00	52	1.00	17	1.00
						Proposed	33.87		52		17	
139 Arlington Road												
Basement	R1	Flat1	Residential	Bathroom	W1	Existing	13.91	0.98	11	1.00	0	0.00
						Proposed	13.68		11		0	
	R2	Flat1	Residential	Stairwell	W2	Existing	19.82	1.00	34	1.00	4	1.00
						Proposed	19.79		34		4	
Ground	R1	Flat1	Residential	LKD	W1	Existing	24.75	0.98	30	1.00	6	1.00
						Proposed	24.35		30		6	
					W2	Existing	25.69	1.00		*North*		*North*
						Proposed	25.69					
First	R1	Flat1	Residential	Kitchen	W1	Existing	27.86	0.99	36	0.97	10	1.00
						Proposed	27.50		35		10	
	R2	Flat1	Residential	Stairwell	W2	Existing	29.18	0.99	50	1.00	17	1.00
						Proposed	28.95		50		17	
Second	R1	Flat1	Residential	Bathroom	W1	Existing	31.12	0.99	43	1.00	13	1.00
						Proposed	30.85		43		13	
141 Arlington Road												
Basement	R1	Flat1	Residential	Bathroom	W1	Existing	22.82	0.98	30	1.00	7	1.00
						Proposed	22.26		30		7	
	R2	Flat1	Residential	Stairwell	W2	Existing	26.30	0.97	47	1.00	15	1.00
						Proposed	25.64		47		15	
Ground	R1	Flat1	Residential	LKD	W1	Existing	25.67	0.98	33	0.97	8	1.00
						Proposed	25.08		32		8	
					W2	Existing	25.65	1.00		*North*		*North*
						Proposed	25.65					
First	R1	Flat1	Residential	Kitchen	W1	Existing	28.07	0.98	37	1.00	11	1.00

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.	Window Ref.		VSC	Pr/Ex	Annual	Pr/Ex	Winter	Pr/Ex
						Proposed	27.50		37		11	
	R2	Flat1	Residential	Stairwell	W2	Existing	29.18	0.98	52	1.00	19	1.00
						Proposed	28.65		52		19	
Second	R1	Flat1	Residential	Bathroom	W1	Existing	31.53	0.99	44	0.98	13	1.00
						Proposed	31.09		43		13	
143 Arlington Road												
Basement	R1	Flat1	Residential	Stairwell	W1	Existing	21.35	1.00	45	1.00	17	1.00
						Proposed	21.31		45		17	
Ground	R1	Flat1	Residential	LKD	W1	Existing	24.42	0.96	36	1.00	11	1.00
						Proposed	23.49		36		11	
					W2	Existing	26.09	1.00		*North*		*North*
						Proposed	26.09					
First	R1	Flat1	Residential	Kitchen	W1	Existing	26.92	0.97	38	1.00	12	1.00
						Proposed	26.02		38		12	
	R2	Flat1	Residential	Stairwell	W2	Existing	25.22	0.98	50	0.96	18	0.94
						Proposed	24.73		48		17	
Second	R1	Flat1	Residential	Bathroom	W1	Existing	34.02	0.98	57	0.98	21	1.00
						Proposed	33.39		56		21	
145 Arlington Road												
Basement	R1	Flat1	Residential	Bathroom	W1	Existing	5.07	1.00	4	1.00	0	0.00
						Proposed	5.07		4		0	
	R2	Flat1	Residential	Stairwell	W2	Existing	7.37	1.00	17	1.00	1	1.00
						Proposed	7.37		17		1	
Ground	R1	Flat1	Residential	Bedroom	W1	Existing	24.98	0.96	48	1.00	17	1.00
						Proposed	23.90		48		17	
First	R1	Flat1	Residential	Unknown	W1	Existing	29.82	0.95	55	0.93	20	1.00
						Proposed	28.40		51		20	
	R2	Flat1	Residential	Stairwell	W2	Existing	28.24	0.95	53	0.98	21	1.00
						Proposed	26.77		52		21	
Second	R1	Flat1	Residential	Unknown	W1	Existing	33.97	0.97	59	0.98	22	1.00
						Proposed	33.00		58		22	
					W2	Existing	28.65	0.99	48	1.00	12	1.00
						Proposed	28.39		48		12	
					W4	Existing	27.64	1.00	54	1.00	22	1.00
						Proposed	27.62		54		22	
	R2	Flat1	Residential	Stairwell	W3	Existing	0.00	0.00		*North*		*North*
						Proposed	0.00					
147-155 Arlington Road												
Ground	R1	Flat1	Residential	Unknown	W1	Existing	17.56	1.00	47	1.02	20	1.00
						Proposed	17.54		48		20	

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.	Window Ref.		VSC	Pr/Ex	Annual	Pr/Ex	Winter	Pr/Ex
					W2	Existing	18.21	0.95	32	1.00	14	1.00
						Proposed	17.23		32		14	
					W3	Existing	16.73	0.94	34	0.97	16	1.00
						Proposed	15.78		33		16	
	R2	Flat1	Residential	Stairwell	W4	Existing	15.68	0.94	29	0.97	13	1.00
						Proposed	14.74		28		13	
	R3	Flat1	Residential	Stairwell	W5	Existing	17.24	0.93	27	0.89	11	1.00
						Proposed	16.03		24		11	
					W6	Existing	17.98	1.01		*North*		*North*
						Proposed	18.10					
	R4	Flat1	Residential	Hallway	W7	Existing	0.26	1.00		*North*		*North*
						Proposed	0.26					
	R5	Flat1	Residential	Unknown	W8	Existing	13.52	0.97	10	0.70	0	0.00
						Proposed	13.17		7		0	
	R6	Flat1	Residential	Unknown	W9	Existing	17.65	0.97	25	0.96	2	0.50
						Proposed	17.05		24		1	
First	R1	Flat1	Residential	Unknown	W1	Existing	18.06	1.00	46	0.98	20	1.00
						Proposed	18.05		45		20	
					W2	Existing	21.81	0.91	36	0.92	14	1.00
						Proposed	19.95		33		14	
					W3	Existing	20.44	0.91	38	0.92	16	1.00
						Proposed	18.55		35		16	
	R2	Flat1	Residential	Stairwell	W4	Existing	19.40	0.91	32	0.94	13	1.00
						Proposed	17.58		30		13	
	R3	Flat1	Residential	Stairwell	W5	Existing	22.21	0.90	40	0.83	11	1.00
						Proposed	19.99		33		11	
					W6	Existing	21.87	1.01		*North*		*North*
						Proposed	22.02					
	R4	Flat1	Residential	Hallway	W7	Existing	0.47	1.00		*North*		*North*
						Proposed	0.47					
	R5	Flat1	Residential	Unknown	W8	Existing	8.62	1.01	5	1.00	0	0.00
						Proposed	8.74		5		0	
					W9	Existing	16.91	0.97	16	1.00	0	0.00
						Proposed	16.37		16		0	
	R6	Flat1	Residential	Unknown	W10	Existing	23.90	0.97	35	0.97	3	0.67
						Proposed	23.13		34		2	
Second	R1	Flat1	Residential	Unknown	W1	Existing	23.70	0.94	35	0.86	9	1.00
						Proposed	22.34		30		9	
					W2	Existing	21.87	0.97	45	0.93	17	1.00
						Proposed	21.24		42		17	
	R2	Flat1	Residential	Unknown	W3	Existing	19.23	1.00	49	1.00	21	1.00
						Proposed	19.22		49		21	
					W4	Existing	26.51	0.89	44	0.89	15	1.00
						Proposed	23.52		39		15	
					W5	Existing	25.53	0.87	46	0.85	16	1.00
						Proposed	22.30		39		16	
	R3	Flat1	Residential	Stairwell	W6	Existing	24.85	0.87	45	0.80	15	0.87
						Proposed	21.53		36		13	

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.	Window Ref.		VSC	Pr/Ex	Annual	Pr/Ex	Winter	Pr/Ex
	R4	Flat1	Residential	Stairwell	W7	Existing	28.88	0.87	53	0.87	15	0.80
						Proposed	25.15		46		12	
					W8	Existing	26.96	1.01		*North*		*North*
						Proposed	27.11					
	R5	Flat1	Residential	Hallway	W9	Existing	1.07	1.00		*North*		*North*
						Proposed	1.07					
	R6	Flat1	Residential	Unknown	W10	Existing	0.52	1.00	0	0.00	0	0.00
						Proposed	0.52		0		0	
	R7	Flat1	Residential	Unknown	W11	Existing	9.80	1.01	7	1.00	0	0.00
						Proposed	9.92		7		0	
					W12	Existing	22.51	0.96	23	1.00	0	0.00
						Proposed	21.62		23		0	
	R8	Flat1	Residential	Unknown	W13	Existing	27.49	0.96	44	0.98	7	0.71
						Proposed	26.46		43		5	
Third	R1	Flat1	Residential	Unknown	W1	Existing	28.12	0.96	38	0.95	10	1.00
						Proposed	27.09		36		10	
					W2	Existing	25.64	0.98	50	0.98	18	1.00
						Proposed	25.17		49		18	
	R2	Flat1	Residential	Unknown	W3	Existing	22.88	1.00	55	1.00	22	1.00
						Proposed	22.87		55		22	
					W4	Existing	31.79	0.89	55	0.84	18	0.89
						Proposed	28.37		46		16	
					W5	Existing	31.36	0.88	56	0.86	18	0.89
						Proposed	27.44		48		16	
	R3	Flat1	Residential	Stairwell	W6	Existing	31.12	0.86	58	0.90	18	0.94
						Proposed	26.91		52		17	
	R4	Flat1	Residential	Hallway	W7	Existing	4.81	1.00		*North*		*North*
						Proposed	4.81					
	R5	Flat1	Residential	Bathroom	W8	Existing	3.44	1.00	5	1.00	0	0.00
						Proposed	3.44		5		0	
	R6	Flat1	Residential	Kitchen	W9	Existing	13.91	1.02	15	1.00	2	1.00
						Proposed	14.12		15		2	
					W10	Existing	27.87	0.98	43	0.95	4	0.50
						Proposed	27.30		41		2	
					W11	Existing	22.18	1.00		*North*		*North*
						Proposed	22.24					
	R7	Flat1	Residential	Living Room	W12	Existing	31.22	0.98	49	0.96	10	0.80
						Proposed	30.68		47		8	
					W13	Existing	35.55	1.00		*North*		*North*
						Proposed	35.55					
157 Arlington Road												
Ground	R1	Flat1	Residential	Hall	W1	Existing	20.39	0.98	34	1.00	5	1.00
						Proposed	20.08		34		5	
	R1	Flat1	Residential	Storage	W1	Existing	20.39	0.98	34	1.00	5	1.00
						Proposed	20.08		34		5	

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.	Window Ref.		VSC	Pr/Ex	Annual	Pr/Ex	Winter	Pr/Ex
First	R1	Flat1	Residential	Stairwell	W1	Existing	24.90	0.98	42	0.95	7	0.71
						Proposed	24.40		40		5	
	R2	Flat1	Residential	Bathroom	W2	Existing	25.82	0.98	46	0.98	8	0.75
						Proposed	25.42		45		6	
Second	R1	Flat1	Residential	Stairwell	W1	Existing	28.26	0.98	50	0.96	10	0.80
						Proposed	27.72		48		8	
					W2	Existing	30.23	0.98	54	0.98	12	0.92
						Proposed	29.71		53		11	
	R2	Flat1	Residential	Bathroom	W3	Existing	30.76	0.99	55	0.98	14	0.93
						Proposed	30.34		54		13	
159 Arlington Road												
Ground	R1	Flat1	Residential	Hallway	W1	Existing	21.84	0.99	38	0.97	7	0.71
						Proposed	21.62		37		5	
	R2	Flat1	Residential	Kitchen	W2	Existing	15.08	1.00	13	1.00	0	0.00
						Proposed	15.08		13		0	
First	R1	Flat1	Residential	Stairwell	W1	Existing	29.20	0.99	52	1.00	12	1.00
						Proposed	28.98		52		12	
	R2	Flat1	Residential	Unknown	W2	Existing	26.15	0.99	49	0.98	11	0.91
						Proposed	25.98		48		10	
Second	R1	Flat1	Residential	Stairwell	W1	Existing	32.47	0.99	58	1.00	16	1.00
						Proposed	32.28		58		16	
	R2	Flat1	Residential	Unknown	W2	Existing	29.28	0.99	55	1.00	15	1.00
						Proposed	29.12		55		15	
161 Arlington Road												
Ground	R1	Flat1	Residential	Stairwell	W15	Existing	24.32	1.00	35	1.00	6	1.00
						Proposed	24.32		35		6	
	R2	Flat1	Residential	Unknown	W1	Existing	10.53	0.97	33	1.00	5	1.00
						Proposed	10.19		33		5	
					W2	Existing	12.91	0.97	36	0.97	7	0.86
						Proposed	12.56		35		6	
					W3	Existing	14.98	0.98	40	0.95	8	0.75
						Proposed	14.62		38		6	
					W4	Existing	19.87	1.00	38	0.95	6	0.67
						Proposed	19.85		36		4	
					W5	Existing	18.77	1.00	41	0.95	8	0.75
						Proposed	18.76		39		6	
					W6	Existing	16.13	1.00	39	0.97	8	0.88
						Proposed	16.14		38		7	
					W7	Existing	12.15	0.97	36	1.00	8	1.00
						Proposed	11.80		36		8	
					W8	Existing	14.21	0.98	39	0.97	10	0.90
						Proposed	13.86		38		9	
					W9	Existing	16.19	0.98	42	0.98	10	0.90
						Proposed	15.83		41		9	
					W10	Existing	22.25	1.00	44	0.95	10	0.80
						Proposed	22.24		42		8	
					W11	Existing	21.68	1.00	44	0.95	11	0.82
						Proposed	21.68		42		9	
					W12	Existing	20.23	1.00	42	0.98	10	0.90

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.	Window Ref.		VSC	Pr/Ex	Annual	Pr/Ex	Winter	Pr/Ex
						Proposed	20.24		41		9	
					W13	Existing	14.28	0.98	41	1.00	12	1.00
						Proposed	13.93		41		12	
					W14	Existing	17.09	0.98	43	1.00	10	1.00
						Proposed	16.72		43		10	
First	R1	Flat1	Residential	Unknown	W1	Existing	24.50	1.00	45	1.00	12	1.00
						Proposed	24.45		45		12	
Second	R1	Flat1	Residential	Stairwell	W1	Existing	27.89	1.00	39	1.00	8	1.00
						Proposed	27.90		39		8	
	R2	Flat1	Residential	Unknown	W2	Existing	28.30	1.00	52	1.00	16	1.00
						Proposed	28.25		52		16	
Third	R1	Flat1	Residential	Unknown	W1	Existing	31.88	1.00	63	1.00	22	1.00
						Proposed	31.82		63		22	
128 Albert Street												
Second	R1	Flat1	Residential	Unknown	W1	Existing	33.96	1.00		*North*		*North*
						Proposed	33.95					
	R2	Flat1	Residential	Unknown	W2	Existing	32.80	1.00		*North*		*North*
						Proposed	32.95					
	R3	Flat1	Residential	Unknown	W3	Existing	32.05	1.01		*North*		*North*
						Proposed	32.34					
	R4	Flat1	Residential	Unknown	W4	Existing	25.57	1.02		*North*		*North*
						Proposed	26.10					
	R5	Flat1	Residential	Unknown	W5	Existing	30.86	1.03		*North*		*North*
						Proposed	31.72					
	R6	Flat1	Residential	Unknown	W6	Existing	29.66	1.04		*North*		*North*
						Proposed	30.77					
	R7	Flat1	Residential	Unknown	W7	Existing	26.13	1.05		*North*		*North*
						Proposed	27.46					
					W8	Existing	13.66	0.81	30	0.87	6	0.67
						Proposed	11.13		26		4	
					W9	Existing	14.89	0.78	33	0.82	8	0.63
						Proposed	11.68		27		5	
	R8	Flat1	Residential	Unknown	W10	Existing	25.77	0.95	52	0.98	9	1.00
						Proposed	24.51		51		9	
					W11	Existing	24.18	0.96	46	0.98	4	1.25
						Proposed	23.21		45		5	
					W12	Existing	16.44	0.96	30	0.97	2	0.50
						Proposed	15.83		29		1	
Third	R1	Flat1	Residential	Bedroom	W1	Existing	30.10	1.00		*North*		*North*
						Proposed	30.13					
	R2	Flat1	Residential	Bedroom	W2	Existing	35.53	1.00		*North*		*North*
						Proposed	35.56					
	R3	Flat1	Residential	Lobby	W3	Existing	35.66	1.00		*North*		*North*
						Proposed	35.68					

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.	Window Ref.		VSC	Pr/Ex	Annual	Pr/Ex	Winter	Pr/Ex
					W4	Existing	31.09	1.00		*North*		*North*
						Proposed	31.09					
	R4	Flat1	Residential	Lobby	W5	Existing	29.41	1.00		*North*		*North*
						Proposed	29.53					
					W6	Existing	33.81	1.01		*North*		*North*
						Proposed	34.00					
	R5	Flat1	Residential	Bedroom	W7	Existing	36.58	1.01		*North*		*North*
						Proposed	37.03					
	R6	Flat1	Residential	Bedroom	W8	Existing	32.69	1.02		*North*		*North*
						Proposed	33.38					
					W9	Existing	27.77	0.95	68	1.00	17	0.88
						Proposed	26.40		68		15	
					W10	Existing	28.78	0.93	71	0.97	19	0.79
						Proposed	26.75		69		15	
	R7	Flat1	Residential	Unknown	W11	Existing	35.91	0.97	79	1.00	25	1.00
						Proposed	34.91		79		25	
	R8	Flat1	Residential	Lobby	W12	Existing	36.65	0.99	81	0.99	26	0.96
						Proposed	36.11		80		25	
					W13	Existing	36.62	0.99	82	0.99	27	0.96
						Proposed	36.23		81		26	
					W14	Existing	35.28	0.99	80	1.00	25	1.00
						Proposed	35.03		80		25	
					W15	Existing	31.98	1.00	47	1.00	8	1.00
						Proposed	31.98		47		8	
					W16	Existing	34.83	1.00	60	1.00	19	1.00
						Proposed	34.83		60		19	
					W17	Existing	30.42	1.00	58	1.00	22	1.00
						Proposed	30.42		58		22	
118 Albert Street												
Ground	R1	Flat1	Residential	Unknown	W1	Existing	8.20	1.00		*North*		*North*
						Proposed	8.23					
First	R1	Flat1	Residential	Unknown	W1	Existing	33.58	1.01		*North*		*North*
						Proposed	33.86					
					W2	Existing	24.92	1.00	44	1.00	9	1.00
						Proposed	24.92		44		9	
	R2	Flat1	Residential	Unknown	W3	Existing	21.64	1.00		*North*		*North*
						Proposed	21.62					
	R3	Flat1	Residential	Unknown	W4	Existing	32.54	0.99		*North*		*North*
						Proposed	32.21					
Second	R1	Flat1	Residential	Unknown	W1	Existing	35.62	0.99		*North*		*North*
						Proposed	35.42					
Third	R1	Flat1	Residential	Unknown	W1	Existing	35.41	0.99		*North*		*North*
						Proposed	35.16					
	R2	Flat1	Residential	Unknown	W2	Existing	37.67	1.00		*North*		*North*
						Proposed	37.60					
Our Lady of Hal Church												

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.	Window Ref.		VSC	Pr/Ex	Annual	Pr/Ex	Winter	Pr/Ex
Ground	R1	Flat1	Residential	Pastoral	W1	Existing	19.05	0.99	47	1.00	12	1.00
						Proposed	18.82		47		12	
					W2	Existing	20.28	0.99	48	0.98	11	0.91
						Proposed	20.04		47		10	
					W3	Existing	20.92	0.99	46	0.98	11	0.91
						Proposed	20.70		45		10	
					W4	Existing	24.26	0.99	56	1.00	12	1.00
						Proposed	24.09		56		12	
					W5	Existing	24.19	0.99	53	1.02	8	1.13
						Proposed	24.03		54		9	
					W6	Existing	13.92	1.00	25	1.00	1	1.00
						Proposed	13.92		25		1	
					W7	Existing	27.30	0.99	63	1.00	21	1.00
						Proposed	27.09		63		21	
					W8	Existing	31.29	1.00	70	1.01	19	1.05
						Proposed	31.21		71		20	
					W9	Existing	29.97	1.01	70	1.00	16	1.00
						Proposed	30.37		70		16	
					W10	Existing	20.37	1.03	44	1.02	6	1.17
						Proposed	20.95		45		7	
					W11	Existing	16.48	1.02	44	1.00	5	1.00
						Proposed	16.73		44		5	
					W12	Existing	17.30	1.00	26	1.00	2	1.00
						Proposed	17.30		26		2	
					W13	Existing	26.63	1.00		*North*		*North*
						Proposed	26.63					
					W14	Existing	26.98	1.00		*North*		*North*
						Proposed	26.98					
					W15	Existing	34.73	1.00		*North*		*North*
						Proposed	34.73					
					W16	Existing	32.80	1.00		*North*		*North*
						Proposed	32.80					
					W17	Existing	17.63	1.00		*North*		*North*
						Proposed	17.63					

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.		Room Area	Lit Area Existing	Lit Area Proposed	Pr/Ex
137 Arlington Road									
Basement	R1	Flat1	Residential	Bathroom	Area m2	4.44	2.62	2.62	
					% of room		59%	59%	1.00
	R2	Flat1	Residential	Stairwell	Area m2	1.94	1.84	1.84	
					% of room		95%	95%	1.00
Ground	R1		Residential	LKD	Area m2	16.91	16.51	16.51	
					% of room		98%	98%	1.00
First	R1	Flat1	Residential	Kitchen	Area m2	7.03	6.77	6.77	
					% of room		96%	96%	1.00
	R2	Flat1	Residential	Stairwell	Area m2	4.15	4.02	4.02	
					% of room		97%	97%	1.00
Second	R1	Flat1	Residential	Bathroom	Area m2	4.55	4.16	4.16	
					% of room		91%	91%	1.00
139 Arlington Road									
Basement	R1	Flat1	Residential	Bathroom	Area m2	4.58	2.88	2.77	
					% of room		63%	61%	0.96
	R2	Flat1	Residential	Stairwell	Area m2	2	1.87	1.87	
					% of room		94%	94%	1.00
Ground	R1	Flat1	Residential	LKD	Area m2	17.43	16.95	16.94	
					% of room		97%	97%	1.00
First	R1	Flat1	Residential	Kitchen	Area m2	7.25	7.04	7.04	
					% of room		97%	97%	1.00
	R2	Flat1	Residential	Stairwell	Area m2	4.28	4.19	4.19	
					% of room		98%	98%	1.00
Second	R1	Flat1	Residential	Bathroom	Area m2	4.69	4.26	4.26	
					% of room		91%	91%	1.00
141 Arlington Road									
Basement	R1	Flat1	Residential	Bathroom	Area m2	4.34	2.89	2.66	
					% of room		66%	61%	0.92
	R2	Flat1	Residential	Stairwell	Area m2	1.9	1.81	1.81	
					% of room		95%	95%	1.00
Ground	R1	Flat1	Residential	LKD	Area m2	16.5	15.80	15.80	
					% of room		96%	96%	1.00
First	R1	Flat1	Residential	Kitchen	Area m2	6.86	6.67	6.67	
					% of room		97%	97%	1.00
	R2	Flat1	Residential	Stairwell	Area m2	4.05	3.93	3.93	
					% of room		97%	97%	1.00
Second	R1	Flat1	Residential	Bathroom	Area m2	4.44	4.03	4.03	
					% of room		91%	91%	1.00
143 Arlington Road									
Basement	R1	Flat1	Residential	Stairwell	Area m2	1.84	1.73	1.73	
					% of room		94%	94%	1.00
Ground	R1	Flat1	Residential	LKD	Area m2	16.68	16.37	16.37	
					% of room		98%	98%	1.00
First	R1	Flat1	Residential	Kitchen	Area m2	6.64	6.20	6.20	
					% of room		93%	93%	1.00
	R2	Flat1	Residential	Stairwell	Area m2	3.96	3.82	3.82	
					% of room		97%	97%	1.00
Second	R1	Flat1	Residential	Bathroom	Area m2	4.3	1.99	1.99	
					% of room		46%	46%	1.00
145 Arlington Road									
Basement	R1	Flat1	Residential	Bathroom	Area m2	5.24	0.70	0.69	
					% of room		13%	13%	1.00
	R2	Flat1	Residential	Stairwell	Area m2	3.41	2.01	1.95	
					% of room		59%	57%	0.97
Ground	R1	Flat1	Residential	Bedroom	Area m2	6.65	4.68	4.19	
					% of room		70%	63%	0.90
First	R1	Flat1	Residential	Unknown	Area m2	10.41	9.89	9.38	
					% of room		95%	90%	0.95
	R2	Flat1	Residential	Stairwell	Area m2	6.72	6.71	6.71	
					% of room		100%	100%	1.00
Second	R1	Flat1	Residential	Unknown	Area m2	13.2	12.64	12.64	
					% of room		96%	96%	1.00

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.		Room Area	Lit Area Existing	Lit Area Proposed	Pr/Ex
Second	R2	Flat1	Residential	Stairwell	Area m2	3.7	0.00	0.00	
					% of room		0%	0%	0.00
147-155 Arlington Road									
Ground	R1	Flat1	Residential	Unknown	Area m2	20.12	18.87	18.87	
					% of room		94%	94%	1.00
	R2	Flat1	Residential	Stairwell	Area m2	5.32	2.73	2.71	
					% of room		51%	51%	0.99
	R3	Flat1	Residential	Stairwell	Area m2	5.32	4.76	4.66	
					% of room		90%	88%	0.98
	R4	Flat1	Residential	Hallway	Area m2	1.19	0.84	0.84	
					% of room		71%	71%	1.00
	R5	Flat1	Residential	Unknown	Area m2	18.73	7.30	7.27	
					% of room		39%	39%	1.00
	R6	Flat1	Residential	Unknown	Area m2	17.79	10.10	9.99	
					% of room		57%	56%	0.99
First	R1	Flat1	Residential	Unknown	Area m2	20.12	19.45	19.71	
					% of room		97%	98%	1.01
	R2	Flat1	Residential	Stairwell	Area m2	5.32	3.68	3.45	
					% of room		69%	65%	0.94
	R3	Flat1	Residential	Stairwell	Area m2	5.32	4.80	4.79	
					% of room		90%	90%	1.00
	R4	Flat1	Residential	Hallway	Area m2	1.19	0.89	0.89	
					% of room		75%	75%	1.00
	R5	Flat1	Residential	Unknown	Area m2	18.73	11.03	11.09	
					% of room		59%	59%	1.01
	R6	Flat1	Residential	Unknown	Area m2	17.79	13.15	13.15	
					% of room		74%	74%	1.00
Second	R1	Flat1	Residential	Unknown	Area m2	16.54	16.13	15.85	
					% of room		98%	96%	0.98
	R2	Flat1	Residential	Unknown	Area m2	20.12	19.72	19.74	
					% of room		98%	98%	1.00
	R3	Flat1	Residential	Stairwell	Area m2	5.32	4.77	4.00	
					% of room		90%	75%	0.84
	R4	Flat1	Residential	Stairwell	Area m2	5.32	5.06	5.02	
					% of room		95%	94%	0.99
	R5	Flat1	Residential	Hallway	Area m2	1.19	1.11	1.11	
					% of room		93%	93%	1.00
	R6	Flat1	Residential	Unknown	Area m2	10.88	0.00	0.00	
					% of room		0%	0%	0.00
	R7	Flat1	Residential	Unknown	Area m2	18.73	14.43	15.30	
					% of room		77%	82%	1.06
	R8	Flat1	Residential	Unknown	Area m2	17.79	11.05	11.16	
					% of room		62%	63%	1.01
Third	R1	Flat1	Residential	Unknown	Area m2	16.54	16.39	16.37	
					% of room		99%	99%	1.00
	R2	Flat1	Residential	Unknown	Area m2	20.12	19.95	19.89	
					% of room		99%	99%	1.00
	R3	Flat1	Residential	Stairwell	Area m2	5.32	5.08	4.84	
					% of room		95%	91%	0.95
	R4	Flat1	Residential	Hallway	Area m2	1.19	1.14	1.14	
					% of room		96%	96%	1.00
	R5	Flat1	Residential	Bathroom	Area m2	4.54	0.23	0.23	
					% of room		5%	5%	1.00
	R6	Flat1	Residential	Kitchen	Area m2	7.76	7.67	7.67	
					% of room		99%	99%	1.00
	R7	Flat1	Residential	Living Room	Area m2	22.15	20.65	20.65	
					% of room		93%	93%	1.00
157 Arlington Road									
Basement	R1	Flat1	Residential	Storage	Area m2	3.63	3.37	3.37	
					% of room		93%	93%	1.00
Ground	R1	Flat1	Residential	Hall	Area m2	4.22	4.22	4.22	
					% of room		100%	100%	1.00
First	R1	Flat1	Residential	Stairwell	Area m2	4.28	3.60	3.73	
					% of room		84%	87%	1.04
	R2	Flat1	Residential	Bathroom	Area m2	6.24	4.24	4.28	
					% of room		68%	69%	1.01
Second	R1	Flat1	Residential	Stairwell	Area m2	4.28	3.46	3.69	
					% of room		81%	86%	1.07
	R2	Flat1	Residential	Bathroom	Area m2	3.44	2.52	2.50	

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.		Room Area	Lit Area Existing	Lit Area Proposed	Pr/Ex
					% of room		73%	73%	0.99
159 Arlington Road									
Ground	R1	Flat1	Residential	Hallway	Area m2	6.79	5.12	5.12	
					% of room		75%	75%	1.00
	R2	Flat1	Residential	Kitchen	Area m2	9.71	2.79	2.79	
					% of room		29%	29%	1.00
First	R1	Flat1	Residential	Stairwell	Area m2	4.58	3.78	3.78	
					% of room		83%	83%	1.00
	R2	Flat1	Residential	Unknown	Area m2	9.99	7.11	7.32	
					% of room		71%	73%	1.03
Second	R1	Flat1	Residential	Stairwell	Area m2	4.58	3.92	3.92	
					% of room		86%	86%	1.00
	R2	Flat1	Residential	Unknown	Area m2	9.99	6.78	7.00	
					% of room		68%	70%	1.03
161 Arlington Road									
Ground	R1	Flat1	Residential	Stairwell	Area m2	5.37	4.82	4.82	
					% of room		90%	90%	1.00
	R2	Flat1	Residential	Unknown	Area m2	8.42	8.42	8.42	
					% of room		100%	100%	1.00
First	R1	Flat1	Residential	Unknown	Area m2	13.9	11.63	11.87	
					% of room		84%	85%	1.02
Second	R1	Flat1	Residential	Stairwell	Area m2	5.37	5.32	5.32	
					% of room		99%	99%	1.00
	R2	Flat1	Residential	Unknown	Area m2	13.9	11.64	11.91	
					% of room		84%	86%	1.02
Third	R1	Flat1	Residential	Unknown	Area m2	12.75	10.56	10.55	
					% of room		83%	83%	1.00
128 Albert Street									
Second	R1	Flat1	Residential	Unknown	Area m2	21.86	21.86	21.86	
					% of room		100%	100%	1.00
	R2	Flat1	Residential	Unknown	Area m2	14.67	14.65	14.65	
					% of room		100%	100%	1.00
	R3	Flat1	Residential	Unknown	Area m2	10.12	10.11	10.11	
					% of room		100%	100%	1.00
	R4	Flat1	Residential	Unknown	Area m2	10.86	10.85	10.85	
					% of room		100%	100%	1.00
	R5	Flat1	Residential	Unknown	Area m2	15.18	15.15	15.15	
					% of room		100%	100%	1.00
	R6	Flat1	Residential	Unknown	Area m2	8.31	8.30	8.30	
					% of room		100%	100%	1.00
	R7	Flat1	Residential	Unknown	Area m2	26.59	26.59	26.59	
					% of room		100%	100%	1.00
	R8	Flat1	Residential	Unknown	Area m2	20.92	19.94	18.71	
					% of room		95%	89%	0.94
Third	R1	Flat1	Residential	Bedroom	Area m2	15.76	15.72	15.72	
					% of room		100%	100%	1.00
	R2	Flat1	Residential	Bedroom	Area m2	9.27	9.23	9.23	
					% of room		100%	100%	1.00
	R3	Flat1	Residential	Lobby	Area m2	27.44	27.44	27.44	
					% of room		100%	100%	1.00
	R4	Flat1	Residential	Lobby	Area m2	19.7	19.09	19.09	
					% of room		97%	97%	1.00
	R5	Flat1	Residential	Bedroom	Area m2	7.13	6.52	6.52	
					% of room		91%	91%	1.00
	R6	Flat1	Residential	Bedroom	Area m2	13.85	12.40	12.41	
					% of room		90%	90%	1.00
	R7	Flat1	Residential	Unknown	Area m2	7.14	7.07	7.07	
					% of room		99%	99%	1.00
	R8	Flat1	Residential	Lobby	Area m2	33.37	33.36	33.36	
					% of room		100%	100%	1.00
118 Albert Street									
Ground	R1	Flat1	Residential	Unknown	Area m2	11.14	10.33	10.33	
					% of room		93%	93%	1.00
	R1	Flat1	Residential	Unknown	Area m2	14.8	14.78	14.78	
					% of room		100%	100%	1.00

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.		Room Area	Lit Area Existing	Lit Area Proposed	Pr/Ex
First	R2	Flat1	Residential	Unknown	Area m2	13.72	13.04	13.03	
					% of room		95%	95%	1.00
	R3	Flat1	Residential	Unknown	Area m2	7.04	6.79	6.79	
					% of room		96%	96%	1.00
Second	R1	Flat1	Residential	Unknown	Area m2	13.72	13.21	13.19	
					% of room		96%	96%	1.00
Third	R1	Flat1	Residential	Unknown	Area m2	7.04	7.01	7.01	
					% of room		100%	100%	1.00
	R2	Flat1	Residential	Unknown	Area m2	13.72	13.67	13.67	
					% of room		100%	100%	1.00
Our Lady of Hal Church									
Ground	R1	Flat1	Residential	Pastoral	Area m2	245.69	245.51	245.51	
					% of room		100%	100%	1.00

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.	Window Ref.	Glass Transmittance	Glazed Area	Clear Sky Angle Existing	Clear Sky Angle Proposed	Room Surface Area	Average Surface Reflectance	Below Working Plane Factor	ADF Existing	ADF Proposed
137 Arlington Road														
Basement	R1	Flat1	Residential	Bathroom	W1	0.68	0.43	43.55	43.57	29.54	0.50	1.00	0.58	0.58
													0.58	0.58
Basement	R2	Flat1	Residential	Stairwell	W2	0.68	0.29	49.81	49.81	32.62	0.50	1.00	0.40	0.40
													0.40	0.40
Ground	R1		Residential	LKD	W1-L	0.68	0.09	56.89	56.68	84.56	0.50	0.15	0.01	0.01
					W1-U	0.68	1.56	60.13	59.67	84.56	0.50	1.00	1.01	1.00
					W2-L	0.68	0.14	57.30	57.30	84.56	0.50	0.15	0.01	0.01
					W2-U	0.68	1.40	58.39	58.39	84.56	0.50	1.00	0.88	0.88
													1.90	1.90
First	R1	Flat1	Residential	Kitchen	W1	0.68	1.67	68.94	68.52	43.56	0.50	1.00	2.40	2.38
													2.40	2.38
First	R2	Flat1	Residential	Stairwell	W2-L	0.68	0.27	62.68	62.57	54.53	0.50	0.15	0.04	0.04
					W2-U	0.68	1.39	63.31	63.21	54.53	0.50	1.00	1.46	1.46
													1.50	1.50
Second	R1	Flat1	Residential	Bathroom	W1	0.68	0.98	72.41	72.17	31.25	0.50	1.00	2.07	2.06
													2.07	2.06
139 Arlington Road														
Basement	R1	Flat1	Residential	Bathroom	W1	0.68	0.43	37.45	37.05	30.13	0.50	1.00	0.49	0.48
													0.49	0.48
Basement	R2	Flat1	Residential	Stairwell	W2	0.68	0.29	51.55	51.52	33.72	0.50	1.00	0.40	0.40
													0.40	0.40
Ground	R1	Flat1	Residential	LKD	W1-L	0.68	0.25	50.92	50.30	86.39	0.50	0.15	0.02	0.02
					W1-U	0.68	1.40	58.34	57.68	86.39	0.50	1.00	0.86	0.85
					W2-L	0.68	0.13	58.06	58.06	86.39	0.50	0.15	0.01	0.01
					W2-U	0.68	1.46	58.93	58.93	86.39	0.50	1.00	0.90	0.90
													1.79	1.78
First	R1	Flat1	Residential	Kitchen	W1-L	0.68	0.11	61.37	60.73	44.45	0.50	0.15	0.02	0.02
					W1-U	0.68	1.56	61.86	61.26	44.45	0.50	1.00	1.97	1.95
													1.99	1.97
First	R2	Flat1	Residential	Stairwell	W2-L	0.68	0.43	63.78	63.51	54.82	0.50	0.15	0.07	0.07
					W2-U	0.68	1.23	64.40	64.15	54.82	0.50	1.00	1.31	1.30
													1.38	1.37
Second	R1	Flat1	Residential	Bathroom	W1	0.68	0.98	66.34	65.90	30.73	0.50	1.00	1.93	1.91
													1.93	1.91
141 Arlington Road														
Basement	R1	Flat1	Residential	Bathroom	W1	0.68	0.43	49.54	48.60	29.07	0.50	1.00	0.67	0.66
													0.67	0.66
Basement	R2	Flat1	Residential	Stairwell	W2	0.68	0.29	61.97	60.92	31.85	0.50	1.00	0.51	0.50
													0.51	0.50
Ground	R1	Flat1	Residential	LKD	W1-L	0.68	0.17	57.11	56.16	83.12	0.50	0.15	0.02	0.02
					W1-U	0.68	1.36	57.71	56.72	83.12	0.50	1.00	0.86	0.84
					W2-L	0.68	0.15	57.89	57.89	83.12	0.50	0.15	0.01	0.01
					W2-U	0.68	1.36	58.63	58.63	83.12	0.50	1.00	0.87	0.87
													1.76	1.74
First	R1	Flat1	Residential	Kitchen	W1	0.68	1.67	61.62	60.68	43.59	0.50	1.00	2.14	2.11
													2.14	2.11
First	R2	Flat1	Residential	Stairwell	W2-L	0.68	0.32	63.22	62.56	54.34	0.50	0.15	0.05	0.05
					W2-U	0.68	1.34	64.08	63.47	54.34	0.50	1.00	1.43	1.42
													1.48	1.47
Second	R1	Flat1	Residential	Bathroom	W1	0.68	0.98	66.67	65.91	31.61	0.50	1.00	1.88	1.86
													1.88	1.86
143 Arlington Road														
Basement	R1	Flat1	Residential	Stairwell	W1	0.68	0.29	54.15	54.08	30.83	0.50	1.00	0.46	0.46
													0.46	0.46
Ground	R1	Flat1	Residential	LKD	W1-L	0.68	0.17	54.55	53.25	83.35	0.50	0.15	0.01	0.01
					W1-U	0.68	1.32	55.75	54.22	83.35	0.50	1.00	0.80	0.78
					W2-L	0.68	0.15	58.70	58.70	83.35	0.50	0.15	0.01	0.01
					W2-U	0.68	1.36	59.33	59.33	83.35	0.50	1.00	0.88	0.88
													1.71	1.68
First	R1	Flat1	Residential	Kitchen	W1	0.68	1.51	59.60	58.11	42.67	0.50	1.00	1.91	1.86
													1.91	1.86
First	R2	Flat1	Residential	Stairwell	W2-L	0.68	0.26	57.82	57.12	54.25	0.50	0.15	0.04	0.04
					W2-U	0.68	1.40	58.52	57.90	54.25	0.50	1.00	1.37	1.36
													1.41	1.39
Second	R1	Flat1	Residential	Bathroom	W1	0.68	0.25	60.41	59.79	30.96	0.50	1.00	0.44	0.43
													0.44	0.43
145 Arlington Road														
Basement	R1	Flat1	Residential	Bathroom	W1	0.68	0.63	21.32	21.32	32.51	0.50	1.00	0.37	0.37
													0.37	0.37
Basement	R2	Flat1	Residential	Stairwell	W2-L	0.68	0.15	23.93	23.93	41.40	0.50	0.15	0.01	0.01
					W2-U	0.68	0.79	31.36	31.36	41.40	0.50	1.00	0.54	0.54
													0.55	0.55
Ground	R1	Flat1	Residential	Bedroom	W1-L	0.68	0.03	45.89	44.56	45.05	0.50	0.15	0.00	0.00
					W1-U	0.68	1.31	59.33	57.46	45.05	0.50	1.00	1.57	1.52
													1.57	1.52
First	R1	Flat1	Residential	Unknown	W1-L	0.68	0.02	65.05	62.70	60.96	0.50	0.15	0.00	0.00
					W1-U	0.68	1.63	66.52	64.09	60.96	0.50	1.00	1.61	1.56
													1.62	1.56
First	R2	Flat1	Residential	Stairwell	W2-L	0.68	0.55	62.74	60.41	70.13	0.50	0.15	0.07	0.06
					W2-U	0.68	1.77	64.77	62.27	70.13	0.50	1.00	1.48	1.43
													1.55	1.49
Second	R1	Flat1	Residential	Unknown	W1-L	0.68	0.06	71.91	69.89	114.28	0.50	0.15	0.01	0.01

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.	Window Ref.	Glass Transmittance	Glazed Area	Clear Sky Angle Existing	Clear Sky Angle Proposed	Room Surface Area	Average Surface Reflectance	Below Working Plane Factor	ADF Existing	ADF Proposed
					W1-U	0.68	2.25	73.91	72.11	114.28	0.50	1.00	1.32	1.29
					W2	0.68	2.57	67.02	66.59	114.28	0.50	1.00	1.37	1.36
					W4	0.68	0.55	64.80	64.77	114.28	0.50	1.00	0.28	0.28
													2.97	2.93
Second	R2	Flat1	Residential	Stairwell	W3	0.68	1.02	10.63	10.63	44.39	0.50	1.00	0.22	0.22
													0.22	0.22
147-155 Arlington Road														
Ground	R1	Flat1	Residential	Unknown	W1-L	0.68	0.12	46.36	46.35	82.72	0.50	0.15	0.01	0.01
					W1-U	0.68	1.12	48.27	48.26	82.72	0.50	1.00	0.59	0.59
					W2-L	0.68	0.12	47.06	45.61	82.72	0.50	0.15	0.01	0.01
					W2-U	0.68	1.12	47.46	45.76	82.72	0.50	1.00	0.58	0.56
					W3-L	0.68	0.12	44.50	43.06	82.72	0.50	0.15	0.01	0.01
					W3-U	0.68	1.12	44.85	43.14	82.72	0.50	1.00	0.55	0.53
													1.75	1.71
Ground	R2	Flat1	Residential	Stairwell	W4	0.68	0.67	44.81	43.18	32.81	0.50	1.00	0.83	0.80
													0.83	0.80
Ground	R3	Flat1	Residential	Stairwell	W5	0.68	0.68	43.56	41.43	32.81	0.50	1.00	0.82	0.78
					W6	0.68	0.68	47.55	47.74	32.81	0.50	1.00	0.89	0.90
													1.71	1.67
Ground	R4	Flat1	Residential	Hallway	W7-L	0.68	0.50	4.56	4.56	14.07	0.50	0.15	0.02	0.02
					W7-U	0.68	1.23	4.93	4.93	14.07	0.50	1.00	0.39	0.39
													0.41	0.41
Ground	R5	Flat1	Residential	Unknown	W8	0.68	1.32	39.84	39.24	82.48	0.50	1.00	0.58	0.57
													0.58	0.57
Ground	R6	Flat1	Residential	Unknown	W9	0.68	1.41	47.10	46.08	79.46	0.50	1.00	0.76	0.74
													0.76	0.74
First	R1	Flat1	Residential	Unknown	W1-L	0.68	0.03	48.88	48.87	82.72	0.50	0.15	0.00	0.00
					W1-U	0.68	1.20	49.00	48.99	82.72	0.50	1.00	0.65	0.65
					W2-L	0.68	0.03	52.59	49.94	82.72	0.50	0.15	0.00	0.00
					W2-U	0.68	1.20	53.63	50.54	82.72	0.50	1.00	0.71	0.67
					W3-L	0.68	0.03	50.18	47.47	82.72	0.50	0.15	0.00	0.00
					W3-U	0.68	1.20	51.31	48.13	82.72	0.50	1.00	0.68	0.64
													2.04	1.96
First	R2	Flat1	Residential	Stairwell	W4-L	0.68	0.03	48.36	45.73	32.81	0.50	0.15	0.01	0.01
					W4-U	0.68	1.20	49.58	46.48	32.81	0.50	1.00	1.65	1.55
													1.66	1.55
First	R3	Flat1	Residential	Stairwell	W5	0.68	0.68	52.06	48.36	32.81	0.50	1.00	0.98	0.91
					W6	0.68	0.68	53.65	53.88	32.81	0.50	1.00	1.01	1.01
													1.98	1.92
First	R4	Flat1	Residential	Hallway	W7	0.68	0.97	7.05	7.05	14.07	0.50	1.00	0.44	0.44
													0.44	0.44
First	R5	Flat1	Residential	Unknown	W8	0.68	0.98	31.16	31.48	82.48	0.50	1.00	0.34	0.34
					W9	0.68	1.34	45.43	44.59	82.48	0.50	1.00	0.67	0.66
													1.01	1.00
First	R6	Flat1	Residential	Unknown	W10	0.68	1.44	56.89	55.62	79.46	0.50	1.00	0.93	0.91
													0.93	0.91
Second	R1	Flat1	Residential	Unknown	W1	0.68	1.24	56.61	54.43	73.78	0.50	1.00	0.86	0.83
					W2	0.68	1.24	54.53	53.56	73.78	0.50	1.00	0.83	0.82
													1.69	1.64
Second	R2	Flat1	Residential	Unknown	W3-L	0.68	0.03	50.42	50.42	82.72	0.50	0.15	0.00	0.00
					W3-U	0.68	1.20	50.89	50.88	82.72	0.50	1.00	0.67	0.67
					W4-L	0.68	0.03	59.66	55.19	82.72	0.50	0.15	0.00	0.00
					W4-U	0.68	1.20	61.12	56.19	82.72	0.50	1.00	0.81	0.74
					W5-L	0.68	0.03	57.70	52.97	82.72	0.50	0.15	0.00	0.00
					W5-U	0.68	1.20	59.39	54.07	82.72	0.50	1.00	0.78	0.71
													2.27	2.14
Second	R3	Flat1	Residential	Stairwell	W6-L	0.68	0.03	56.37	51.62	32.81	0.50	0.15	0.01	0.01
					W6-U	0.68	1.20	58.27	52.81	32.81	0.50	1.00	1.94	1.76
													1.95	1.77
Second	R4	Flat1	Residential	Stairwell	W7	0.68	0.68	62.37	56.31	32.81	0.50	1.00	1.17	1.06
					W8	0.68	0.68	61.22	61.45	32.81	0.50	1.00	1.15	1.15
													2.32	2.21
Second	R5	Flat1	Residential	Hallway	W9	0.68	0.97	10.76	10.76	14.07	0.50	1.00	0.67	0.67
													0.67	0.67
Second	R6	Flat1	Residential	Unknown	W10	0.68	0.32	0.00	0.00	57.20	0.50	1.00	0.00	0.00
													0.00	0.00
Second	R7	Flat1	Residential	Unknown	W11	0.68	0.80	32.99	33.30	82.48	0.50	1.00	0.29	0.29
					W12	0.68	0.94	53.14	51.78	82.48	0.50	1.00	0.55	0.54
													0.84	0.83
Second	R8	Flat1	Residential	Unknown	W13	0.68	1.38	61.21	59.53	79.46	0.50	1.00	0.96	0.94
													0.96	0.94
Third	R1	Flat1	Residential	Unknown	W1	0.68	1.24	64.83	63.12	73.78	0.50	1.00	0.99	0.96
					W2	0.68	1.24	61.31	60.56	73.78	0.50	1.00	0.93	0.92
													1.92	1.88
Third	R2	Flat1	Residential	Unknown	W3-L	0.68	0.03	54.54	54.54	82.72	0.50	0.15	0.00	0.00
					W3-U	0.68	1.20	56.85	56.85	82.72	0.50	1.00	0.75	0.75
					W4-L	0.68	0.03	68.52	62.55	82.72	0.50	0.15	0.00	0.00
					W4-U	0.68	1.20	70.00	64.16	82.72	0.50	1.00	0.92	0.85
					W5-L	0.68	0.03	67.45	60.72	82.72	0.50	0.15	0.00	0.00
					W5-U	0.68	1.20	69.07	62.46	82.72	0.50	1.00	0.91	0.82
													2.60	2.43
Third	R3	Flat1	Residential	Stairwell	W6-L	0.68	0.03	66.91	59.75	32.81	0.50	0.15	0.01	0.01
					W6-U	0.68	1.20	68.60	61.59	32.81	0.50	1.00	2.28	2.05
													2.29	2.06
Third	R4	Flat1	Residential	Hallway	W7	0.68	0.99	23.79	23.79	12.99	0.50	1.00	1.65	1.65
													1.65	1.65
Third	R5	Flat1	Residential	Bathroom	W8-L	0.68	0.03	14.13	14.13	31.01	0.50	0.15	0.00	0.00
					W8-U	0.68	0.74	14.24	14.24	31.01	0.50	1.00	0.31	0.31
													0.31	0.31
Third	R6	Flat1	Residential	Kitchen	W9-L	0.68	0.03	39.33	39.79	46.15	0.50	0.15	0.00	0.00
					W9-U	0.68	0.75	39.46	39.87	46.15	0.50	1.00	0.58	0.59

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.	Window Ref.	Glass Transmittance	Glazed Area	Clear Sky Angle Existing	Clear Sky Angle Proposed	Room Surface Area	Average Surface Reflectance	Below Working Plane Factor	ADF Existing	ADF Proposed
					W10-L	0.68	0.05	61.63	60.64	46.15	0.50	0.15	0.01	0.01
					W10-U	0.68	1.35	62.72	61.84	46.15	0.50	1.00	1.66	1.64
					W11-L	0.68	0.03	50.42	50.42	46.15	0.50	0.15	0.01	0.01
					W11-U	0.68	0.50	51.42	51.42	46.15	0.50	1.00	0.50	0.50
													2.76	2.74
Third	R7	Flat1	Residential	Living Room	W12-L	0.68	1.40	63.70	62.25	92.59	0.50	0.15	0.13	0.13
					W12-U	0.68	2.06	70.11	69.12	92.59	0.50	1.00	1.41	1.39
					W13	0.68	1.47	76.07	76.07	92.59	0.50	1.00	1.09	1.09
													2.64	2.62
157 Arlington Road														
Basement	R1	Flat1	Residential	Storage	W1	0.68	7.45	52.81	52.28	40.21	0.50	1.00	8.87	8.79
													8.87	8.79
Ground	R1	Flat1	Residential	Hall	W1-L	0.68	2.81	N/A	N/A	35.82	0.50	0.15	N/A	N/A
					W1-U	0.68	4.64	52.81	52.28	35.82	0.50	1.00	6.20	6.14
													6.20	6.14
First	R1	Flat1	Residential	Stairwell	W1-L	0.68	0.47	56.54	55.74	32.17	0.50	0.15	0.11	0.11
					W1-U	0.68	0.73	57.95	57.10	32.17	0.50	1.00	1.19	1.17
													1.30	1.28
First	R2	Flat1	Residential	Bathroom	W2-L	0.68	0.65	58.77	58.12	38.45	0.50	0.15	0.14	0.13
					W2-U	0.68	1.20	60.69	60.01	38.45	0.50	1.00	1.72	1.70
													1.86	1.84
Second	R1	Flat1	Residential	Stairwell	W1-L	0.68	0.37	57.73	56.85	32.96	0.50	0.15	0.09	0.09
					W1-U	0.68	0.00	N/A	N/A	32.96	0.50	1.00	N/A	N/A
					W2	0.68	0.20	54.08	53.22	32.96	0.50	1.00	0.30	0.30
													0.39	0.38
Second	R2	Flat1	Residential	Bathroom	W3	0.68	0.40	61.77	61.07	28.67	0.50	1.00	0.79	0.78
													0.79	0.78
159 Arlington Road														
Ground	R1	Flat1	Residential	Hallway	W1-L	0.68	0.58	52.15	51.79	41.80	0.50	0.15	0.10	0.10
					W1-U	0.68	1.01	53.80	53.44	41.80	0.50	1.00	1.18	1.18
													1.28	1.27
Ground	R2	Flat1	Residential	Kitchen	W2-L	0.68	0.72	41.60	41.60	52.08	0.50	0.15	0.08	0.08
					W2-U	0.68	0.88	42.51	42.51	52.08	0.50	1.00	0.65	0.65
													0.73	0.73
First	R1	Flat1	Residential	Stairwell	W1	0.68	0.71	63.22	62.83	40.00	0.50	1.00	1.02	1.01
													1.02	1.01
First	R2	Flat1	Residential	Unknown	W2	0.68	1.19	59.09	58.81	52.93	0.50	1.00	1.21	1.20
													1.21	1.20
Second	R1	Flat1	Residential	Stairwell	W1	0.68	0.20	57.16	56.90	30.16	0.50	1.00	0.35	0.35
													0.35	0.35
Second	R2	Flat1	Residential	Unknown	W2-L	0.68	0.05	63.09	62.82	63.09	0.50	0.15	0.01	0.01
					W2-U	0.68	0.83	63.01	62.74	63.09	0.50	1.00	0.75	0.75
													0.76	0.76
161 Arlington Road														
Ground	R1	Flat1	Residential	Stairwell	W15	0.68	1.04	57.15	57.40	59.31	0.50	1.00	0.90	0.91
													0.90	0.91
Ground	R2	Flat1	Residential	Unknown	W1-L	0.68	0.46	34.65	34.00	46.80	0.50	0.15	0.05	0.05
					W1-U	0.68	0.11	15.87	14.12	46.80	0.50	1.00	0.03	0.03
					W2-L	0.68	0.46	39.03	38.40	46.80	0.50	0.15	0.05	0.05
					W2-U	0.68	0.11	20.03	18.61	46.80	0.50	1.00	0.04	0.04
					W3-L	0.68	0.69	42.83	42.21	46.80	0.50	0.15	0.09	0.08
					W3-U	0.68	0.16	22.59	21.29	46.80	0.50	1.00	0.07	0.07
					W4-L	0.68	0.50	50.14	50.10	46.80	0.50	0.15	0.07	0.07
					W4-U	0.68	0.12	24.32	24.56	46.80	0.50	1.00	0.06	0.06
					W5-L	0.68	0.56	48.51	48.49	46.80	0.50	0.15	0.08	0.08
					W5-U	0.68	0.13	23.76	24.02	46.80	0.50	1.00	0.06	0.06
					W6-L	0.68	0.50	43.81	43.81	46.80	0.50	0.15	0.06	0.06
					W6-U	0.68	0.12	22.35	22.62	46.80	0.50	1.00	0.05	0.05
					W7	0.68	0.75	37.93	37.29	46.80	0.50	1.00	0.55	0.54
					W8	0.68	0.75	41.58	40.96	46.80	0.50	1.00	0.60	0.60
					W9	0.68	1.13	45.21	44.59	46.80	0.50	1.00	0.99	0.98
					W10	0.68	0.82	54.52	54.49	46.80	0.50	1.00	0.87	0.87
					W11	0.68	0.92	53.78	53.77	46.80	0.50	1.00	0.96	0.96
					W12	0.68	0.82	51.29	51.30	46.80	0.50	1.00	0.82	0.82
					W13	0.68	0.21	21.01	19.62	46.80	0.50	1.00	0.09	0.08
					W14	0.68	0.15	23.12	21.76	46.80	0.50	1.00	0.07	0.06
													5.66	5.61
First	R1	Flat1	Residential	Unknown	W1-L	0.68	0.50	56.29	56.18	63.90	0.50	0.15	0.06	0.06
					W1-U	0.68	1.22	58.16	58.06	63.90	0.50	1.00	1.00	1.00
													1.06	1.06
Second	R1	Flat1	Residential	Stairwell	W1	0.68	1.04	62.65	62.91	51.80	0.50	1.00	1.14	1.14
													1.14	1.14
Second	R2	Flat1	Residential	Unknown	W2	0.68	0.76	62.07	61.97	64.05	0.50	1.00	0.67	0.67
													0.67	0.67
Third	R1	Flat1	Residential	Unknown	W1-L	0.68	0.00	65.63	65.63	57.40	0.50	0.15	0.00	0.00
					W1-U	0.68	0.54	66.09	66.09	57.40	0.50	1.00	0.57	0.57
													0.57	0.57
128 Albert Street														
Second	R1	Flat1	Residential	Unknown	W1-L	0.68	3.74	64.60	64.60	94.43	0.50	0.15	0.35	0.35
					W1-U	0.68	5.63	79.36	79.53	94.43	0.50	1.00	4.29	4.30
													4.64	4.64
Second	R2	Flat1	Residential	Unknown	W2-L	0.68	2.14	63.01	63.15	70.93	0.50	0.15	0.26	0.26
					W2-U	0.68	3.22	77.65	78.14	70.93	0.50	1.00	3.19	3.21
													3.45	3.47
Second	R3	Flat1	Residential	Unknown	W3-L	0.68	1.60	59.29	59.29	56.06	0.50	0.15	0.23	0.23

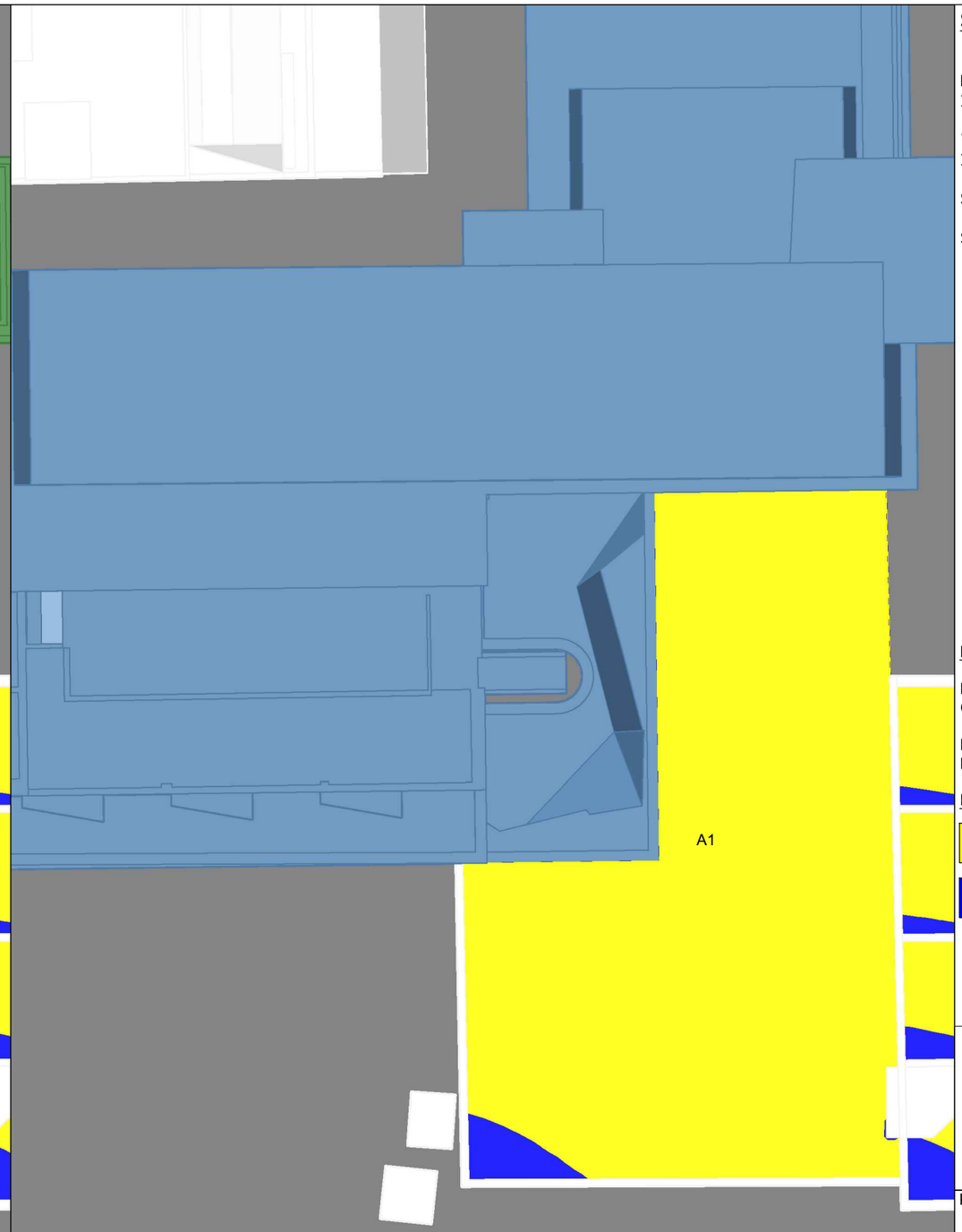
Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.	Window Ref.	Glass Transmittance	Glazed Area	Clear Sky Angle Existing	Clear Sky Angle Proposed	Room Surface Area	Average Surface Reflectance	Below Working Plane Factor	ADF Existing	ADF Proposed
					W3-U	0.68	2.41	75.57	76.55	56.06	0.50	1.00	2.95	2.99
													3.18	3.22
Second	R4	Flat1	Residential	Unknown	W4-L	0.68	1.56	45.21	45.21	58.49	0.50	0.15	0.16	0.16
					W4-U	0.68	2.88	61.67	62.52	58.49	0.50	1.00	2.75	2.79
													2.91	2.95
Second	R5	Flat1	Residential	Unknown	W5-L	0.68	1.88	53.09	53.45	72.62	0.50	0.15	0.19	0.19
					W5-U	0.68	3.47	70.49	72.02	72.62	0.50	1.00	3.05	3.12
													3.24	3.31
Second	R6	Flat1	Residential	Unknown	W6-L	0.68	0.94	52.45	53.00	50.15	0.50	0.15	0.13	0.14
					W6-U	0.68	1.73	68.21	70.11	50.15	0.50	1.00	2.14	2.20
													2.27	2.33
Second	R7	Flat1	Residential	Unknown	W7-L	0.68	2.83	50.05	51.00	109.52	0.50	0.15	0.18	0.18
					W7-U	0.68	5.19	62.62	64.92	109.52	0.50	1.00	2.69	2.79
					W8	0.68	0.98	38.82	34.01	109.52	0.50	1.00	0.31	0.27
					W9	0.68	0.98	41.01	35.06	109.52	0.50	1.00	0.33	0.28
													3.51	3.53
Second	R8	Flat1	Residential	Unknown	W10	0.68	0.98	58.69	56.64	91.36	0.50	1.00	0.57	0.55
					W11	0.68	0.98	56.40	54.81	91.36	0.50	1.00	0.55	0.53
					W12	0.68	0.98	44.50	43.46	91.36	0.50	1.00	0.43	0.42
													1.55	1.50
Third	R1	Flat1	Residential	Bedroom	W1-L	0.68	1.56	57.23	57.28	72.86	0.50	0.15	0.17	0.17
					W1-U	0.68	2.34	75.68	75.73	72.86	0.50	1.00	2.21	2.21
													2.37	2.37
Third	R2	Flat1	Residential	Bedroom	W2-L	0.68	1.05	66.72	66.76	48.59	0.50	0.15	0.20	0.20
					W2-U	0.68	1.57	84.98	85.05	48.59	0.50	1.00	2.50	2.50
													2.69	2.69
Third	R3	Flat1	Residential	Lobby	W3-L	0.68	2.10	67.25	67.25	105.20	0.50	0.15	0.18	0.18
					W3-U	0.68	3.17	85.19	85.22	105.20	0.50	1.00	2.32	2.33
					W4-L	0.68	1.05	58.79	58.79	105.20	0.50	0.15	0.08	0.08
					W4-U	0.68	1.59	77.66	77.66	105.20	0.50	1.00	1.06	1.06
													3.65	3.65
Third	R4	Flat1	Residential	Lobby	W5-L	0.68	1.47	49.48	49.51	84.30	0.50	0.15	0.12	0.12
					W5-U	0.68	2.22	71.73	71.99	84.30	0.50	1.00	1.71	1.72
					W6-L	0.68	1.57	55.17	55.21	84.30	0.50	0.15	0.14	0.14
					W6-U	0.68	2.36	79.39	79.84	84.30	0.50	1.00	2.02	2.03
													3.99	4.00
Third	R5	Flat1	Residential	Bedroom	W7	0.68	1.16	77.46	78.35	40.52	0.50	1.00	2.01	2.04
													2.01	2.04
Third	R6	Flat1	Residential	Bedroom	W8-L	0.68	1.59	54.50	54.56	70.96	0.50	0.15	0.17	0.17
					W8-U	0.68	2.40	76.49	77.98	70.96	0.50	1.00	2.34	2.39
					W9	0.68	0.98	61.77	59.62	70.96	0.50	1.00	0.77	0.74
					W10	0.68	0.98	63.39	60.16	70.96	0.50	1.00	0.79	0.75
													4.07	4.05
Third	R7	Flat1	Residential	Unknown	W11	0.68	1.34	76.53	74.61	40.07	0.50	1.00	2.32	2.26
													2.32	2.26
Third	R8	Flat1	Residential	Lobby	W12	0.68	0.98	76.72	75.63	125.23	0.50	1.00	0.54	0.53
					W13	0.68	0.98	76.75	75.95	125.23	0.50	1.00	0.54	0.54
					W14	0.68	0.98	74.45	73.97	125.23	0.50	1.00	0.53	0.52
					W15-L	0.68	1.43	59.64	59.64	125.23	0.50	0.15	0.09	0.09
					W15-U	0.68	2.15	77.27	77.27	125.23	0.50	1.00	1.20	1.20
					W16-L	0.68	0.98	62.82	62.82	125.23	0.50	0.15	0.07	0.07
					W16-U	0.68	1.47	80.83	80.83	125.23	0.50	1.00	0.86	0.86
					W17-L	0.68	1.48	57.47	57.47	125.23	0.50	0.15	0.09	0.09
					W17-U	0.68	2.23	74.57	74.57	125.23	0.50	1.00	1.20	1.20
													5.13	5.11
118 Albert Street														
Ground	R1	Flat1	Residential	Unknown	W1	0.68	1.31	29.89	29.93	59.24	0.50	1.00	0.60	0.60
													0.60	0.60
First	R1	Flat1	Residential	Unknown	W1-L	0.68	0.60	71.47	72.35	83.21	0.50	0.15	0.07	0.07
					W1-U	0.68	4.12	75.99	76.58	83.21	0.50	1.00	3.42	3.44
					W2-L	0.68	0.60	58.89	58.89	83.21	0.50	0.15	0.06	0.06
					W2-U	0.68	4.12	60.62	60.62	83.21	0.50	1.00	2.72	2.72
													6.27	6.29
First	R2	Flat1	Residential	Unknown	W3-L	0.68	0.03	44.39	44.37	63.35	0.50	0.15	0.00	0.00
					W3-U	0.68	1.33	56.41	56.37	63.35	0.50	1.00	1.07	1.07
													1.08	1.08
First	R3	Flat1	Residential	Unknown	W4	0.68	1.36	71.21	70.59	61.37	0.50	1.00	1.44	1.42
													1.44	1.42
Second	R1	Flat1	Residential	Unknown	W1-L	0.68	0.03	76.71	76.29	63.35	0.50	0.15	0.01	0.01
					W1-U	0.68	1.33	76.70	76.33	63.35	0.50	1.00	1.46	1.45
													1.47	1.46
Third	R1	Flat1	Residential	Unknown	W1-L	0.68	0.08	75.72	75.12	59.95	0.50	0.15	0.01	0.01
					W1-U	0.68	1.28	76.15	75.65	59.95	0.50	1.00	1.48	1.47
													1.49	1.48
Third	R2	Flat1	Residential	Unknown	W2-L	0.68	0.74	82.64	82.37	84.74	0.50	0.15	0.10	0.10
					W2-U	0.68	3.19	82.36	82.21	84.74	0.50	1.00	2.81	2.81
													2.91	2.91
Our Lady of Hal Church														
Ground	R1	Flat1	Residential	Pastoral	W1-L	0.68	0.33	44.13	43.65	1126.92	0.50	0.15	0.00	0.00
					W1-U	0.68	0.61	45.39	44.91	1126.92	0.50	1.00	0.02	0.02
					W2-L	0.68	0.33	46.06	45.60	1126.92	0.50	0.15	0.00	0.00
					W2-U	0.68	0.61	47.28	46.83	1126.92	0.50	1.00	0.02	0.02
					W3-L	0.68	0.33	46.97	46.40	1126.92	0.50	0.15	0.00	0.00
					W3-U	0.68	0.61	48.61	48.19	1126.92	0.50	1.00	0.02	0.02
					W4	0.68	1.31	55.66	55.39	1126.92	0.50	1.00	0.06	0.06
					W5	0.68	1.31	55.65	55.42	1126.92	0.50	1.00	0.06	0.06
					W6	0.68	1.31	40.99	40.99	1126.92	0.50	1.00	0.04	0.04
					W10	0.68	2.50	51.11	52.04	1126.92	0.50	1.00	0.10	0.10
					W11	0.68	2.50	43.91	44.29	1126.92	0.50	1.00	0.09	0.09

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.	Window Ref.	Glass Transmittance	Glazed Area	Clear Sky Angle Existing	Clear Sky Angle Proposed	Room Surface Area	Average Surface Reflectance	Below Working Plane Factor	ADF Existing	ADF Proposed
					W12	0.68	2.50	44.68	44.68	1126.92	0.50	1.00	0.09	0.09
					W13	0.68	2.50	59.83	59.83	1126.92	0.50	1.00	0.12	0.12
					W14	0.68	2.50	61.33	61.33	1126.92	0.50	1.00	0.12	0.12
					W7	0.68	2.44	59.48	59.14	1126.92	0.50	1.00	0.12	0.12
					W8	0.68	2.45	66.78	66.63	1126.92	0.50	1.00	0.13	0.13
					W9	0.68	2.45	64.16	64.80	1126.92	0.50	1.00	0.13	0.13
					W15	0.68	2.57	72.83	72.83	1126.92	0.50	1.00	0.15	0.15
					W16	0.68	2.32	68.96	68.96	1126.92	0.50	1.00	0.13	0.13
					W17	0.68	2.27	44.65	44.65	1126.92	0.50	1.00	0.08	0.08
													1.50	1.50

APPENDIX 3

Internal Daylight & Sunlight Results

waldrams
daylight & sunlight



Amenity Ref.		Amenity Area	Lit Area Existing	Lit Area Proposed	Pr/Ex
ORT House					
A1	Area m2	295.05	287.62	287.62	1.00
	Percentage		97%	97%	

SOURCES OF INFORMATION:

MONTAGU EVANS
IR01 (RECEIVED 31.05.17)

VERTEX
IR02 (RECEIVED 06.06.17)

SURROUNDING PROPERTIES

SITE PHOTOGRAPHY

N

NOTES:

EXISTING SCHEME SHOWN IN GREEN

PROPOSED SCHEME SHOWN IN BLUE

KEY:

MORE THAN TWO HOURS OF SUN

LESS THAN TWO HOURS OF SUN

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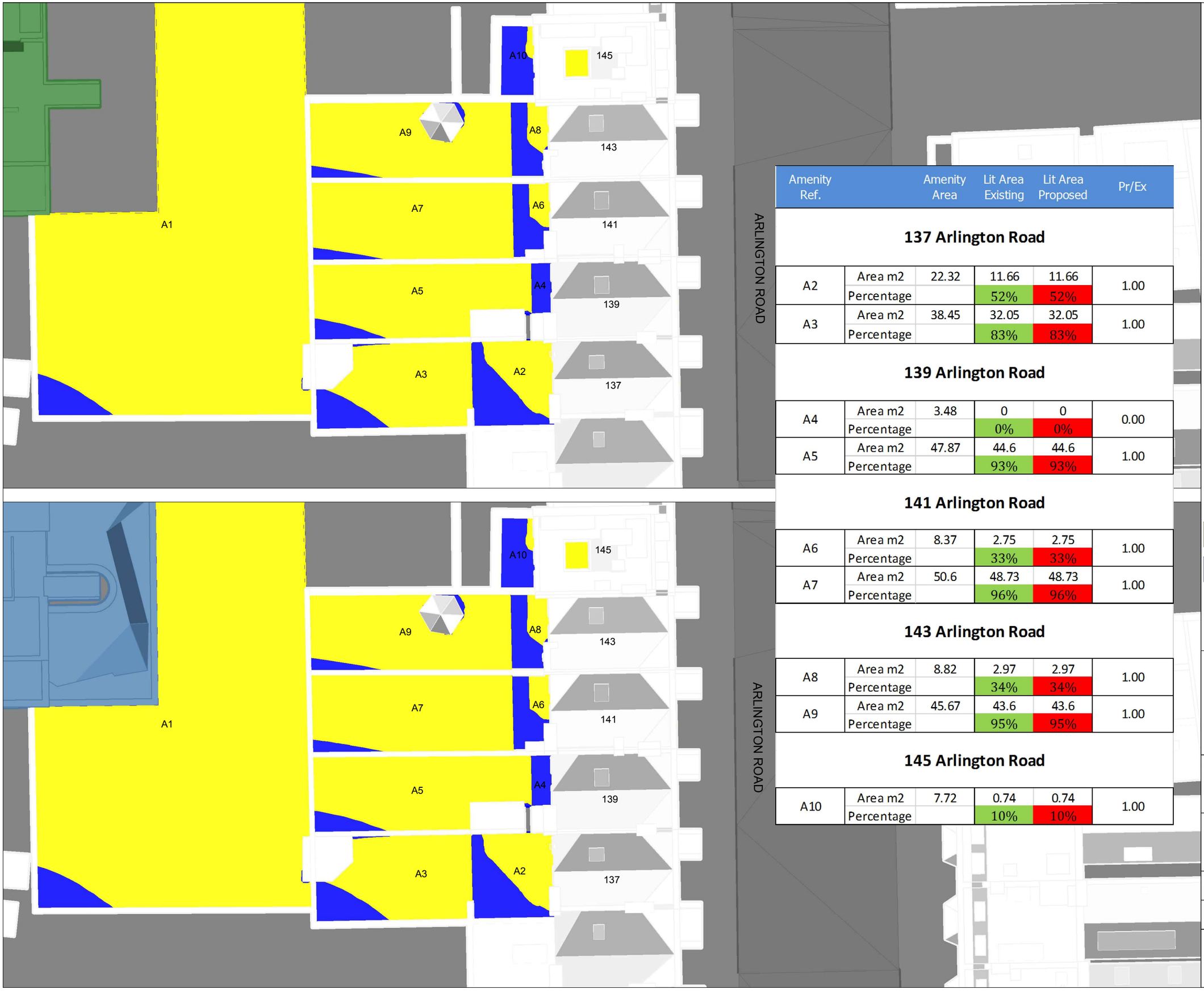
PROJECT
ORT HOUSE, ALBERT ROAD, LONDON, NW1

DRAWING
AMENITY ANALYSIS EXISTING VS PROPOSED

DATE	SCALE @ A3
19.06.17	1/200
MODELED BY	DRAWN BY
JH	JH
PROJECT No.	REL No.-DRAWING No.
1984	01-07



Amenity Ref.		Amenity Area	Lit Area Existing	Lit Area Proposed	Pr/Ex
137 Arlington Road					
A2	Area m2	22.32	11.66	11.66	1.00
	Percentage		52%	52%	
A3	Area m2	38.45	32.05	32.05	1.00
	Percentage		83%	83%	
139 Arlington Road					
A4	Area m2	3.48	0	0	0.00
	Percentage		0%	0%	
A5	Area m2	47.87	44.6	44.6	1.00
	Percentage		93%	93%	
141 Arlington Road					
A6	Area m2	8.37	2.75	2.75	1.00
	Percentage		33%	33%	
A7	Area m2	50.6	48.73	48.73	1.00
	Percentage		96%	96%	
143 Arlington Road					
A8	Area m2	8.82	2.97	2.97	1.00
	Percentage		34%	34%	
A9	Area m2	45.67	43.6	43.6	1.00
	Percentage		95%	95%	
145 Arlington Road					
A10	Area m2	7.72	0.74	0.74	1.00
	Percentage		10%	10%	

SOURCES OF INFORMATION:

MONTAGU EVANS
IR01 (RECEIVED 31.05.17)

VERTEX
IR02 (RECEIVED 06.06.17)

SURROUNDING PROPERTIES

SITE PHOTOGRAPHY

N

NOTES:

EXISTING SCHEME SHOWN IN GREEN

PROPOSED SCHEME SHOWN IN BLUE

KEY:

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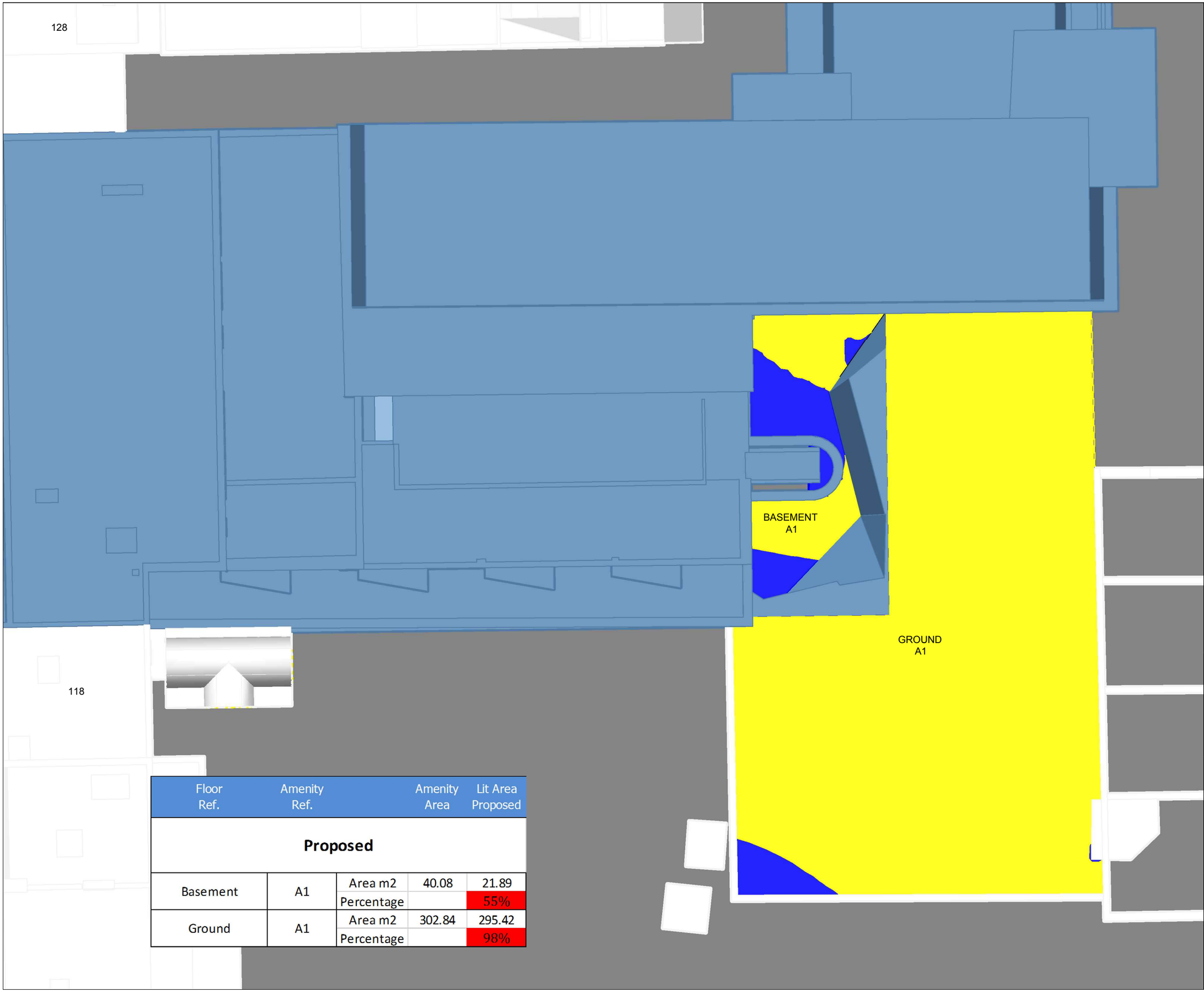
www.waldrams.com

PROJECT
ORT HOUSE, ALBERT ROAD, LONDON, NW1

DRAWING
AMENITY ANALYSIS EXISTING VS PROPOSED

DATE	SCALE @ A3
19.06.17	1/200
MODELED BY	DRAWN BY
JH	JH
PROJECT No.	REL No.-DRAWING No.
1984	01-08



Floor Ref.	Amenity Ref.		Amenity Area	Lit Area Proposed
Proposed				
Basement	A1	Area m2	40.08	21.89
		Percentage		55%
Ground	A1	Area m2	302.84	295.42
		Percentage		98%

SOURCES OF INFORMATION:

MONTAGU EVANS
IR01 (RECEIVED 31.05.17)

VERTEX
IR02 (RECEIVED 06.06.17)

SURROUNDING PROPERTIES

SITE PHOTOGRAPHY

N

NOTES:

PROPOSED SCHEME SHOWN IN BLUE

KEY:

MORE THAN TWO HOURS OF SUN

LESS THAN TWO HOURS OF SUN

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PROJECT
ORT HOUSE, ALBERT ROAD, LONDON, NW1

DRAWING
AMENITY ANALYSIS PROPOSED

DATE	SCALE @ A3
19.06.17	1/150
MODELED BY	DRAWN BY
JH	JH
PROJECT No.	REL No.-DRAWING No.
1984	01-09