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KING'S CROSS METHODIST CHURCH

BIRKENHEAD STREET, LONDON

DAYLIGHT AND SUNLIGHT STUDY

Ref: DW/dw/14163
Date: September 2015

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INTRODUCTION

Delva Patman Redler has been instructed by West London Mission on behalf of King's Cross Methodist Church to prepare a daylight and sunlight study to assess the likely impact of the proposed redevelopment King's Cross Methodist Church, Birkenhead Street, London by Dexter Moren Associates Architects on the neighbouring residential amenity and proposed habitable units..

This study has been carried out in accordance with the recommendations of the Building Research Establishment Report "Site Layout Planning for Daylight & Sunlight 2011" (BRE209).

THE PROPOSAL

The proposal involves the demolition of the existing building to be replaced with two buildings connected at ground and basement level. The Birkenhead Street wing will comprise of basement, ground plus five storeys, the Crestfield Street wing will comprise of basement, ground plus four storeys.

POLICY / GUIDELINES

This BRE Report is used in conjunction with the interior daylighting recommendations in the British Standard BS 8206-2:2008 Lighting for buildings – Part 2: Code of practice for daylighting and the Applications Manual: window design of the Chartered Institution of Building Services Engineers (CIBSE). If the BRE, BS and CIBSE guidelines are followed there is the potential to achieve good daylighting in new buildings, to retain it in existing buildings nearby, and to protect the daylighting of adjoining land for future development. This is the standard used by the London Borough of Camden by which daylight and sunlight should be assessed as policy within their UDP.

METHODOLOGY

The Daylight & Sunlight assessments have been undertaken in accordance with the Building Research Establishment (BRE) guidelines "Site Layout Planning for Daylight & Sunlight. A Guide to Good Practice".

The BRE Report advises that daylight levels should be assessed for the main habitable rooms of neighbouring residential properties. Habitable rooms in residential properties are defined as kitchens, living rooms and dining rooms. Bedrooms are less important as they are mainly occupied at night time. The report also makes reference to other property types, which may be regarded as 'sensitive receptors' such as schools, hospitals, hotels and hostels, small workshops and most offices.

Daylight Neighbouring Assessment

The BRE Guide states that:

"If, for any part of the new development, the angle from the centre of the lowest affected window to the head of the new development is more than 25°, then a more detailed check is needed to find the loss of skylight to the existing buildings."

The BRE guidelines propose several methods for calculating daylight.

The two main methods predominantly used are those involving the measurement of the total amount of skylight available, the vertical sky component (VSC) and its distribution within the building (the No-Sky line).

The VSC calculation is a general test of potential for daylight to a building, measuring the light available on the outside plane of windows.

The "No-Sky" Line divides those areas of the working plane which can receive direct skylight, from those which cannot. It provides an indication of how good the daylight distribution is within a room.

The third recognised method of assessment for daylight is the Average Daylight Factor (ADF) calculation which assesses the quality and distribution of light within a room served by a window and takes into account the VSC value, the size and number of the windows and room and the use to which the room is put. ADF assesses actual light distribution within a defined room area whereas the VSC considers potential light. British Standard 8206, Code of Practice for Daylighting recommends ADF values of 1% in bedrooms, 1.5% in living rooms and 2% in kitchens. For other uses, where it is expected that supplementary electric lighting will be used throughout the daytime, such as in offices, the ADF value should be 2%. There is no general requirement within the BRE guidelines to assess ADF values, other than for neighbouring residential buildings.

This report fully considers all three methods of assessment on neighbouring amenity where appropriate.

Sunlight Neighbouring Assessment

The BRE have produced sunlight templates for London, Manchester and Edinburgh indicating the Annual Probable Sunlight Hours (APSH) for these regions. The London template has been selected for this study as the London indicator template is the closest of the three available from BRE in terms of latitude.

Sunlight analysis is undertaken by measuring annual probable sunlight hours (APSH) for the main windows of rooms which face within 90° of due south. The maximum number of annual probable sunlight hours for the London orientation is 1,486 hours. The BRE guidelines propose that the appropriate date for undertaking a sunlight assessment is on 21st March, being the spring equinox. Calculations of both summer and winter availability are made with the winter analysis covering the period from the 21st September to 21st March. For residential accommodation, the main requirement for sunlight is in living rooms and it is regarded as less important in bedrooms and kitchens.

This report considers the daylight and sunlight impact on the following properties.

- 1 Birkenhead Street
- 2-5 Birkenhead Street
- 6 Birkenhead Street
- 57 Birkenhead Street
- 58 Birkenhead Street
- 59 Birkenhead Street
- Northumberland Hotel
- 56 Birkenhead Street
- 345 Gray's Inn Road
- 7 Birkenhead Street

SOURCE DATA

The studies have been undertaken by calculating the daylight based on the template drawings provided within the BRE guidelines. The studies have been undertaken with plan drawings derived from:

- Existing and surrounding buildings: Callidus Surveyors:
Dwg No's: 12004 E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E11, PR, PS (All Rev F).
- Contextual Model: Vertex Modelling.
- Proposed Scheme: Dexter Moren Associates Architects:
Dwg No's: Proposed Sketchup Model, A-100-001 to A-100-007, A-110-001 to A-110-002, A-120-22 to A-120-004
- 59 Birkenhead Street: Internal Layout Drawing: Lanyon-Hogg Architects Ltd. 517 01, 02, 03, 04, 05, 06, 11, 12, 13, 14, 15
- Northumberland Hotel Proposed Scheme:
SCP Architects Ltd
Dwg No's: 1355 P402 - P404, Ground - Roof Plans.

SIGNIFICANCE CRITERIA

The guidance given by BRE has been used as a basis for the criteria to assess the Development's potential effects. The BRE guidance specifies:

"...In special circumstances the developer or planning authority may wish to use different target values. For example, in an historic city centre a higher degree of obstruction may be unavoidable..."

The report adds:

"...Different criteria may be used, based on the requirements for daylighting in an area viewed against other site layout constraints."

In consideration of the above, it is important to note that the Site is located in a dense urban centre that, in parts, currently experiences adverse daylight and sunlight levels. This is discussed within the 'Baseline Conditions' section of this report. Thus, in these instances the BRE guidance states that the:

"...guidelines should be applied sensibly and flexibly".

Under these circumstances, the less stringent, higher BRE target percentage loss values and significance criteria may be justifiable.

In describing the significance criteria as set out below, it should be noted that they have been developed to protect residential properties, which are the most sensitive receptors.

TABLE 1: BRE DAYLIGHT GUIDANCE USED IN THE ASSESSMENT

Issue	Criteria
Daylight	A window may be affected if the vertical sky component (VSC) measured at the centre of the window is less than 27% and less than 0.8 times its former value.
	A room may be adversely affected if a significant area of the room is beyond the No-Sky Line and is less than 0.8 times its former value.
	A room may be adversely affected if the average daylight factor (ADF) is less than 1% for a bedroom, 1.5% for a living room or 2% for a kitchen. For offices a minimum figure of 2% is required.
Sunlight	A window may be adversely affected if a point at the centre of the window receives in the year less than 25% of the annual probable sunlight hours including at least 5% of the annual probable sunlight hours (APSH) during the winter months (21 September to 21 March) and less than 0.8 times its former sunlight hours during either period.

It is noted that for both sunlight and daylight calculations, total reliance upon numerical values and particularly percentage changes may be misleading particularly where baseline values are already comparatively low, as is often the case in dense urban locations such as this. A percentage change of more than 20% may well represent only a very small difference in actual light value.

It should also be noted that the usage of the room should be considered when deciding on whether or not a particular room suffers an adverse loss. For example, the value of light to a room would be more beneficial to a living room rather than a bedroom where the room is occupied at night-time.

Additionally, it should be borne in mind that Page 1 of the BRE guidance suggests that circumstances will exist where an alternative criteria value may be used, for example, in a city centre:

"...where a higher degree of obstruction may be unavoidable if new developments are to match the height and proportions of existing buildings".

In such instances, the BRE guidance advises that the numerical guidelines should be interpreted flexibly, and alternative numerical values may be used. The Site's dense urban location justifies this flexible interpretation of the BRE guidance.

BASELINE CONDITIONS

An analysis of the impact of the baseline conditions against which to compare any potential impact arising from the development has been undertaken based on Drawing 1416/SPT/D&S/804 in Appendix A.

The neighbouring properties generally receive good levels of existing light at lower floors. The upper floors of the majority of properties assessed currently enjoy light levels above 27% VSC.

This can be seen from the technical results, both in graphical and tabular form in the Technical Appendices.

An analysis of the existing daylight levels enjoyed by the neighbouring residential property and amenity has been undertaken in order to provide a baseline against which the impacts arising from the proposed development can be assessed.

RESULTS – COMPLETED DEVELOPMENT NEIGHBOURING ASSESSMENT

DAYLIGHT – VSC

The full results of the daylight analyses are presented in Appendix B in tabular form. A summary of the results of the Vertical Sky Component (VSC) analysis on the relevant overlooking windows are presented in the Table 2 below. This identifies where habitable rooms / windows are left with adequate light.

TABLE 2: NUMBER OF WINDOWS EXPERIENCING DAYLIGHT IMPACTS AS A RESULT OF THE DEVELOPMENT (VSC METHOD)

Address	Total Number of Windows Tested	Number of Windows Meeting BRE Guidelines for VSC	Number of Windows Experiencing Adverse Impacts
1 Birkenhead Street	11	11	0
2-5 Birkenhead Street	31	31	0
6 Birkenhead Street	8	8	0
57 Birkenhead Street	5	5	0
58 Birkenhead Street	5	2	3
59 Birkenhead Street	12	10	2
Northumberland Hotel	35	35	0
56 Birkenhead Street	2	2	0
345 Gray's Inn Road	11	11	0
7 Birkenhead Street	11	11	0
Total	129	124	5

Table 2 indicates 124 of the 129 windows assessed exceed BRE target reduction values when measured against the BRE assessment criteria for VSC. The windows assessed can be identified using the Key Window Location diagrams on drawings 14163/LOC/804 & 810 Rev A in Appendix A.

The results for the 5 windows that fall short of BRE criteria are all categorised as a minor adverse impact which in the urban environment is considered to be acceptable. The VSC assessment shows that all other rooms assessed will be left with adequate daylight for their use.

DAYLIGHT – NO SKY LINE (DAYLIGHT DISTRIBUTION)

The full results of the daylight analysis are presented in Appendix B in tabular form. A summary of the results of the No Sky Line analysis on the relevant overlooking windows are presented in the Table 3 below. This identifies where habitable rooms are left with adequate light.

TABLE 3: NUMBER OF ROOMS EXPERIENCING DAYLIGHT IMPACTS AS A RESULT OF THE DEVELOPMENT (NSL METHOD)

Address	Total Number of Rooms Tested	Number of Rooms Meeting BRE Guidelines for VSC	Number of Rooms Experiencing Adverse Impacts
1 Birkenhead Street	11	11	0
2-5 Birkenhead Street	30	30	0
6 Birkenhead Street	8	8	0
57 Birkenhead Street	5	4	1
58 Birkenhead Street	5	3	2

59 Birkenhead Street	9	9	0
Northumberland Hotel	31	29	2
56 Birkenhead Street	2	2	0
Total	101	96	5

Table 3 indicates 96 of the 101 rooms assessed exceed BRE target reduction values when measured against the BRE assessment criteria for NSL. The windows assessed can be identified using the Key Window Location diagrams on drawings 14163/LOC/804 & 810 Rev A in Appendix A.

The results for the 5 rooms that fall short of BRE criteria are all categorised as a minor to moderate adverse impact which in the urban environment is considered to be acceptable. The NSL assessment shows that all other rooms assessed will be left with adequate daylight for their use.

DAYLIGHT – AVERAGE DAYLIGHT FACTOR

The full results of the daylight analysis are presented in Appendix B in tabular form. A summary of the results of the Average Daylight Factor analysis on the relevant overlooking windows are presented in the Table 4 below. This identifies where habitable rooms are left with adequate light.

TABLE 4: NUMBER OF ROOMS EXPERIENCING DAYLIGHT IMPACTS AS A RESULT OF THE DEVELOPMENT (ADF METHOD)

Address	Total Number of Rooms Tested	Number of Rooms Meeting BRE Guidelines for VSC	Number of Rooms Experiencing Adverse Impacts
1 Birkenhead Street	11	11	0
2-5 Birkenhead Street	30	30	0
6 Birkenhead Street	8	8	0
57 Birkenhead Street	5	5	0
58 Birkenhead Street	5	5	0
59 Birkenhead Street	2	2	0
Northumberland Hotel	31	31	0
56 Birkenhead Street	2	2	0
Total	101	101	0

Table 4 indicates all of the 101 rooms assessed exceed BRE target values when measured against the BRE assessment criteria for ADF. The windows/rooms assessed can be identified using the Key Window Location diagrams on drawings 14163/LOC/804 & 810 Rev A.

SUNLIGHT – ANNUAL PROBABLE SUNLIGHT HOURS

The full results of the sunlight analyses are presented in Appendix B in tabular form. A summary of the results of the Annual Probable Sunlight Hours (APSH) analysis on the relevant overlooking windows are presented in the Table 5 below. This identifies where habitable rooms / windows are left with adequate sunlight.

TABLE 5: NUMBER OF WINDOWS EXPERIENCING SUNLIGHT IMPACTS AS A RESULT OF THE DEVELOPMENT (APSH METHOD)

Address	Total Number of Windows Tested	Number of Windows Meeting BRE Guidelines for APSH	Number of Windows Experiencing Adverse Impacts
1 Birkenhead Street	1	1	0
2-5 Birkenhead Street	3	3	0
6 Birkenhead Street	1	1	0
58 Birkenhead Street	5	5	0
59 Birkenhead Street	3	3	0
Northumberland Hotel	3	3	0
Total	16	16	0

Table 5 indicates all of the 16 windows assessed exceed BRE target reduction values when measured against the BRE assessment criteria for APSH. The windows assessed can be identified using the Key Window Location diagrams on drawings 14163/LOC/804 & 810 Rev A.

RESULTS – COMPLETED DEVELOPMENT PROPOSED HABITABLE ROOM ASSESSMENT

DAYLIGHT – VSC

The full results of the daylight analyses are presented in Appendix B in tabular form. A summary of the results of the Vertical Sky Component (VSC) analysis on the relevant overlooking windows are presented in the Table 6 below. This identifies where habitable rooms / windows are left with adequate light.

TABLE 6: NUMBER OF WINDOWS EXPERIENCING DAYLIGHT IMPACTS AS A RESULT OF THE DEVELOPMENT (VSC METHOD)

Address	Total Number of Windows Tested	Number of Windows Meeting BRE Guidelines for VSC	Number of Windows Experiencing Adverse Impacts
Total	91	45	46

Table 6 indicates all 45 of the 91 windows assessed exceed BRE target optimum value of 27% when measured against the BRE assessment criteria for VSC. The windows assessed can be identified using the Key Window Location diagrams on drawings 14163/LOC/811 in Appendix B.

The results for the rooms that are below the automatic pass rate of 27% generally receive good levels of light for a site within an urban environment. This is demonstrated by the positive daylight ADF and NSL results which assesses the internal levels of light.

DAYLIGHT – NO SKY LINE (DAYLIGHT DISTRIBUTION)

The full results of the daylight analysis are presented in Appendix B in tabular form. A summary of the results of the No Sky Line analysis on the relevant overlooking windows are presented in the Table 7 below. This identifies where habitable rooms are left with adequate light.

TABLE 7: NUMBER OF ROOMS EXPERIENCING DAYLIGHT IMPACTS AS A RESULT OF THE DEVELOPMENT (NSL METHOD)

Address	Total Number of Rooms Tested	Number of Rooms Meeting BRE Guidelines for VSC	Number of Rooms Experiencing Adverse Impacts
Total	59	54	5

Table 7 indicates 54 of the 59 rooms assessed exceed BRE target reduction values when measured against the BRE assessment criteria for NSL. The windows and rooms assessed can be identified using the Key Window Location diagrams on drawings 14163/LOC/811 in Appendix B. The NSL contours can be seen on drawings 14163/LOC/811 in Appendix B.

Only five rooms will be lit to less than 50%. Therefore overall the elements considered in the NSL assessment shows that vast majority of rooms assessed will be left with adequate daylight for their use and therefore fulfils BRE Criteria.

DAYLIGHT – AVERAGE DAYLIGHT FACTOR

The full results of the daylight analysis are presented in Appendix B in tabular form. A summary of the results of the Average Daylight Factor analysis on the relevant overlooking windows are presented in the Table 8 below. This identifies where habitable rooms are left with adequate light.

TABLE 8: NUMBER OF ROOMS EXPERIENCING DAYLIGHT IMPACTS AS A RESULT OF THE DEVELOPMENT (ADF METHOD)

Address	Total Number of Rooms Tested	Number of Rooms Meeting BRE Guidelines for VSC	Number of Rooms Experiencing Adverse Impacts
Total	59	59	0

Table 8 indicates all of the 59 rooms assessed exceed BRE target values when measured against the BRE assessment criteria for ADF. The windows assessed can be identified using the Key Window Location diagrams on drawings 14163/LOC/811 in Appendix B.

SUNLIGHT – ANNUAL PROBABLE SUNLIGHT HOURS

The full results of the sunlight analyses are presented in Appendix B in tabular form. A summary of the results of the Annual Probable Sunlight Hours (APSH) analysis on the relevant overlooking windows are presented in the Table 9 below. This identifies where habitable rooms / windows are left with adequate sunlight.

TABLE 9: NUMBER OF WINDOWS EXPERIENCING SUNLIGHT IMPACTS AS A RESULT OF THE DEVELOPMENT (APSH METHOD)

Address	Total Number of Windows Tested	Number of Windows Meeting BRE Guidelines for APSH	Number of Windows Experiencing Adverse Impacts
Total	37	6	31

Table 9 indicates 6 of the 37 windows assessed exceed BRE optimum target values when measured against the BRE assessment criteria for APSH. The windows assessed can be identified using the Key Window Location diagrams on drawings 14163/LOC/811 in Appendix B. All other windows are considered to have good sunlight levels given their urban location with figures naturally decreasing as one descends the building.

CONCLUSIONS

To assess the potential impact of the Development on daylight to the neighbouring properties a baseline assessment was undertaken which was used to compare the levels of light left after any development takes place.

This study adopts the BRE Site Layout Planning for Daylight & Sunlight 2011, a guide to good practice daylight & sunlight as the standard to cover the protection of residential amenity under which daylight & sunlight can be considered. This is the most recognised form of Daylight & Sunlight standard in the UK and adopted within the London Borough of Camden's UDP.

The daylight analysis on neighbouring properties indicates that the vast majority of windows assessed will continue to receive levels of daylight akin to a sub-urban setting.

Therefore overall the BRE criteria are met and the policy daylight is fulfilled for neighbouring amenity.

The sunlight analysis on neighbouring properties indicates that all windows assessed will continue to receive levels of daylight akin to a sub-urban setting.

Therefore overall the BRE criteria are met and the policy sunlight is fulfilled for neighbouring amenity.

The daylight analysis on the proposed habitable rooms within the scheme shows that the vast majority of rooms will be sufficiently internally lit and meet BRE criteria.

The sunlight analysis on the proposed habitable rooms within the scheme shows that the vast majority of rooms will be sufficiently internally lit and meet BRE criteria with the urban scenario.

Overall, it is felt that Dexter Moren Associates Architects have worked to minimise the impact on daylight and sunlight through their design process and have taken neighbouring residential amenity into consideration where reasonably practically possible with this design.

Therefore, the analysis undertaken demonstrates that given the approach recommended by the BRE guidelines, the impact of the proposed development is considered acceptable in daylight, and sunlight terms on neighbouring amenity and to proposed units within the development.

The development proposals by Dexter Moren Associates Architects are therefore considered to recognise and observe the intentions of the Camden Guidance and BRE Guidance Note 209 and should therefore be considered to address the requirements of the London Borough of Camden's Unitary Development Plan in daylight and sunlight terms.

Delva Patman Redler

APPENDIX A

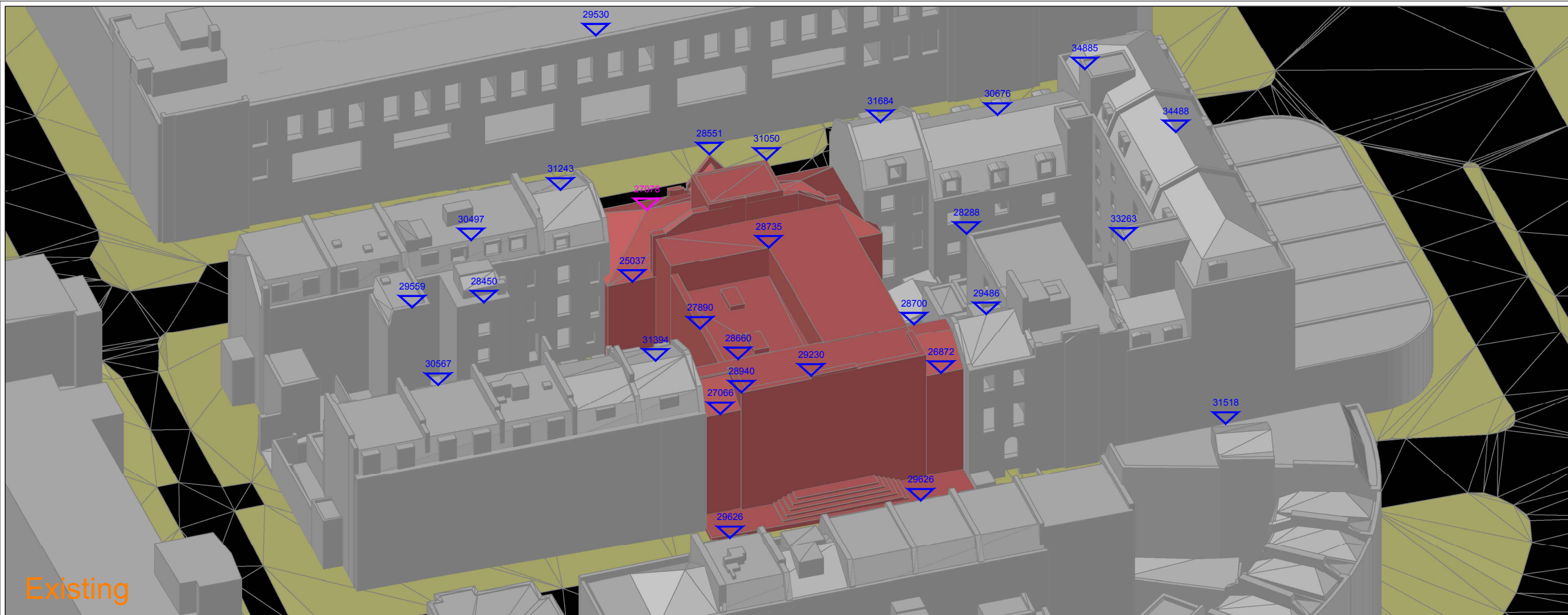
LOCATION DRAWINGS

14163/LOC/D&S/803 REV A

14163/SPT/D&S/804

14163/LOC/804-810 REV A

DAYLIGHT AND SUNLIGHT TABLES



Existing



Proposed

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:
Indicative

Existing Surrounding
Proposed
Buildings Highlighted

SOURCE DATA

Drawings Used:
Existing and Surrounding buildings:
Callidus Surveyors:
Dwg No's: 12004 E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E11, PR, PS (All Rev F).

Contextual Model:
Vertex Modelling.

Proposed Scheme:
Dexter Moren Associates Architects:
Proposed Sketchup Model received on 10/08/2015
Dwg No's: A-100-001 to A-100-007, A-110-001 to A-110-002, A-120-22 to A-120-004,

Northumberland Hotel Proposed Scheme:
SCP Architects Ltd
Dwg No's: 1355 P402 - P404, Ground - Roof Plans.

NOTES

All heights are measured in mm AOD.

Site Plan



REV	Description	Drawn	Chk'd	Date

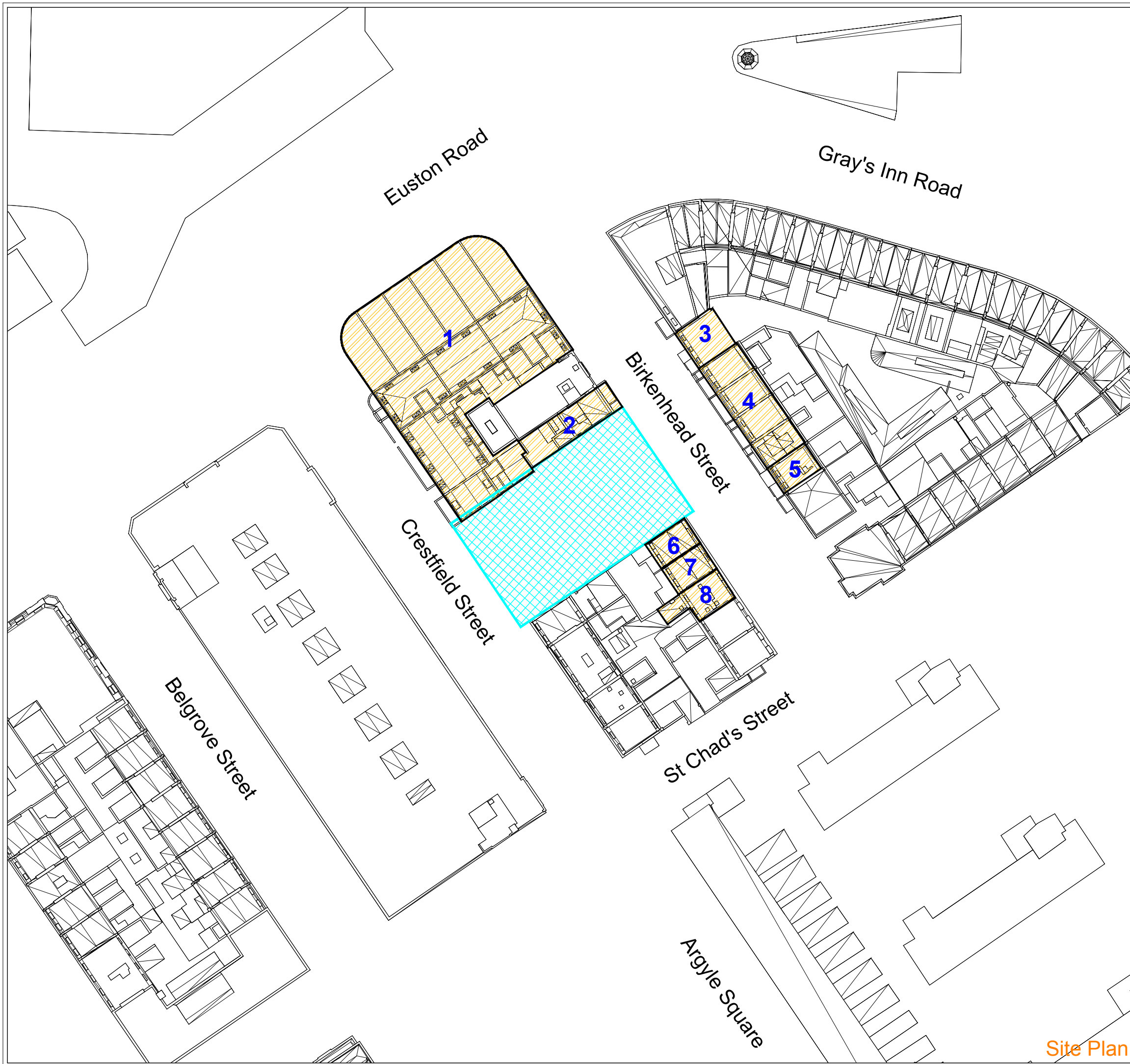
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TITLE: **KINGS CROSS METHODIST CHURCH
BIRKENHEAD STREET
LONDON**
DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
Kings Cross Methodist Church
Daylight / Sunlight Analysis
Key Building Heights
Existing & Proposed Schemes
-
Eastern View

DRAWN: SA JOB NO:
SCALE: NTS **14163**
DATE: 26/08/2015
DWG NO: **SPT/D&S/804** REV: -



- Development Site**
Kings Cross Methodist Church
 Freeholder: The Trustees for Methodist Church Purposes.
- 1: Northumberland Hotel**
 Freeholder: Gaylord Investments Limited
- 2: 59 Birkenhead Street**
 Freeholder: Lina Sherimova & Edward Michael Swales
 Title: TP1 Transfer NGL451523
- 3: 1 Birkenhead Street**
 Freeholder: Lonprop Establishment
- 4: 2-5 Birkenhead Street**
 Freeholder: The Secretary of State for the Environment.
- 5: 6 Birkenhead Street**
 Freeholder: Alfonso Di Popolo & Lucy Di Popolo.
 Title: 295001
- 6: 58 Birkenhead Street**
 Freeholder: One Housing Group Limited
- 7: 57 Birkenhead Street**
 Freeholder: One Housing Group Limited
- 8: 56 Birkenhead Street**
 Freeholder: G & A Gorrara Limited

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Site Boundary

Buildings Highlighted

SOURCE DATA

Drawings Used:
 Existing and Surrounding buildings:
 Callidus Surveyors:
 Dwg No's: 12004 E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E11, PR, PS (All Rev F).

Contextual Model:
 Vertex Modelling.

Proposed Scheme:
 Dexter Moren Associates Architects:
 Proposed Sketchup Model received on 10/08/2015
 Dwg No's: A-100-001 to A-100-007, A-110-001 to A-110-002, A-120-22 to A-120-004,

Northumberland Hotel Proposed Scheme:
 SCP Architects Ltd
 Dwg No's: 1355 P402 - P404, Ground - Roof Plans.

NOTES

All neighbouring properties considered for analysis.



REV	Description	Drawn	Ch'kd	Date
A	Annotation	SA	DW	26/08/2015

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TITLE: **KINGS CROSS METHODIST CHURCH**
BIRKENHEAD STREET
LONDON
DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
 KCMC - Property Location Plan
 Daylight / Sunlight Analysis
 Existing & Proposed Schemes

DRAWN: DW	JOB NO:
SCALE: NTS	14163
DATE: 25/11/2014	
DWG NO: LOC/D&S/803	REV: A

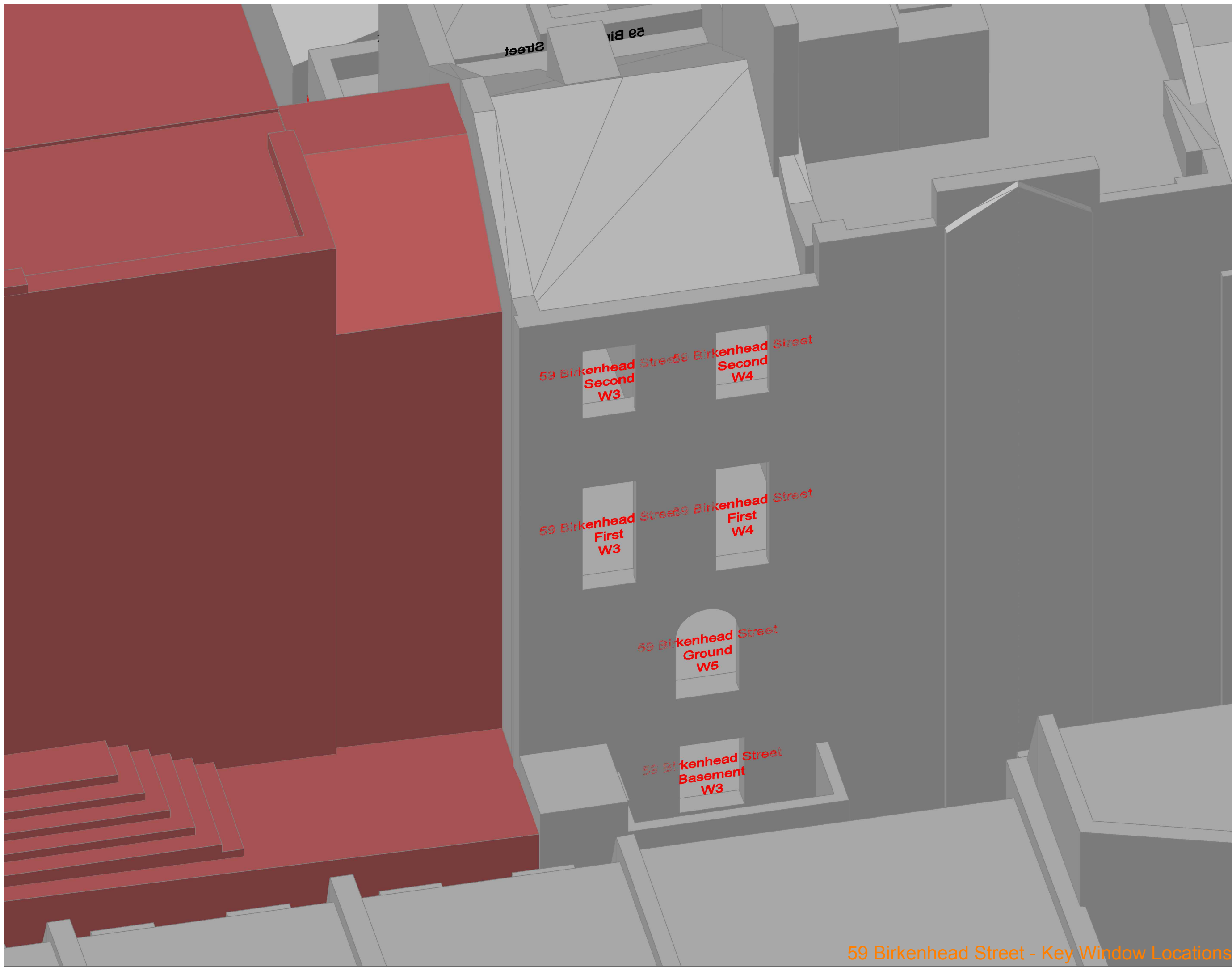
Site Plan

				VSC				Daylight Distribution			ADF			APSH					
Address	Floor Level	Room Name	Window ID	Existing	Proposed	Window %age Diff	Room %age Diff	Existing	Proposed	%age Diff	Existing	Proposed	%age Diff	APSH Existing	APSH Proposed	%age Diff	Winter Existing	Winter Proposed	%age Diff
1 Birkenhead Street	Basement	Dining Room/R1	W1	10.62	10.24	-3.61%	-3.61%	32.80%	27.14%	-17.24%	1.71%	1.65%	-3.69%	N/A	N/A	N/A	N/A	N/A	N/A
	Ground	Lobby/R2	W2	22.67	21.51	-5.14%	-5.14%	74.30%	64.74%	-12.87%	3.00%	2.90%	-3.34%	N/A	N/A	N/A	N/A	N/A	N/A
	First	Bedroom/R1	W1	26.43	25.50	-3.51%	-3.51%	98.46%	98.46%	0.00%	3.72%	3.63%	-2.42%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R2	W2	26.51	25.44	-4.04%	-4.04%	98.74%	98.74%	0.00%	3.95%	3.84%	-2.76%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R3	W3	26.59	25.38	-4.56%	-4.56%	98.78%	98.78%	0.00%	4.01%	3.89%	-3.09%	N/A	N/A	N/A	N/A	N/A	N/A
	Second	Bedroom/R1	W1	31.96	31.03	-2.90%	-2.90%	97.91%	97.91%	0.00%	3.22%	3.13%	-2.54%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R2	W2	32.11	31.05	-3.32%	-3.32%	98.27%	98.27%	0.00%	3.40%	3.30%	-2.93%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R3	W3	32.22	31.00	-3.77%	-3.77%	98.29%	98.29%	0.00%	3.40%	3.28%	-3.30%	N/A	N/A	N/A	N/A	N/A	N/A
	Third	Bedroom/R1	W1	34.52	33.65	-2.54%	-2.54%	97.53%	97.53%	0.00%	2.73%	2.68%	-2.02%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R2	W2	29.97	29.97	0.00%	0.00%	93.43%	93.43%	0.00%	2.47%	2.41%	-2.27%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R3	W3	35.75	34.68	-2.98%	-2.98%	98.19%	98.19%	0.00%	2.96%	2.90%	-2.22%	N/A	N/A	N/A	N/A	N/A	N/A
	Basement	Kitchen/R1	W1	11.98	11.98	0.00%	0.00%	53.04%	44.52%	-16.06%	2.04%	1.96%	-4.19%	N/A	N/A	N/A	N/A	N/A	N/A
Living room/R2		W2	5.33	5.33	0.00%	0.00%	30.97%	26.25%	-15.24%	1.34%	1.34%	0.00%	5	5	0.00%	0	0	N/A	
Office/R3		W3	11.15	11.15	0.00%	0.00%	24.63%	21.70%	-11.87%	1.43%	1.37%	-3.68%	N/A	N/A	N/A	N/A	N/A	N/A	
Ground	Living room/R2	W2	22.86	21.47	-6.05%	-6.05%	96.60%	88.19%	-8.70%	2.73%	2.62%	-3.94%	43	41	-4.65%	12	11	-8.33%	
	Living room/R3	W3	22.80	21.38	-6.26%	-6.31%	78.61%	66.58%	-15.30%	3.38%	3.24%	-4.14%	42	39	-7.14%	11	10	-9.09%	
		W4	22.77	21.32	-6.37%	42							41	-2.38%	10	10	0.00%		
	Lobby/R5	W6	22.58	21.18	-6.22%	-6.22%	70.41%	57.19%	-18.78%	2.02%	1.94%	-4.02%	39	37	-5.13%	8	8	0.00%	
Office/R7	W8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2-5 Birkenhead Street	First	Bedroom/R1	W1	26.70	25.32	-5.16%	-5.16%	97.96%	97.96%	0.00%	3.74%	3.60%	-3.51%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R2	W2	26.67	25.21	-5.48%	-5.48%	98.32%	98.32%	0.00%	4.13%	3.98%	-3.75%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R3	W3	26.58	25.08	-5.65%	-5.65%	98.15%	98.15%	0.00%	4.15%	3.99%	-3.88%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R4	W4	26.49	24.98	-5.69%	-5.69%	97.51%	97.51%	0.00%	3.99%	3.84%	-3.88%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R5	W5	26.38	24.89	-5.64%	-5.64%	97.87%	97.87%	0.00%	3.99%	3.84%	-3.76%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R6	W6	26.33	24.89	-5.49%	-5.49%	98.29%	98.29%	0.00%	4.32%	4.16%	-3.66%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R7	W7	26.36	25.00	-5.15%	-5.15%	98.33%	98.33%	0.00%	4.30%	4.15%	-3.43%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R8	W8	26.32	25.07	-4.73%	-4.73%	97.74%	97.73%	-0.01%	3.11%	3.01%	-3.15%	N/A	N/A	N/A	N/A	N/A	N/A
	Second	Bedroom/R1	W1	32.52	31.11	-4.32%	-4.32%	96.28%	96.28%	0.00%	2.53%	2.43%	-3.68%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R2	W2	32.63	31.12	-4.64%	-4.64%	99.06%	99.06%	0.00%	3.57%	3.43%	-4.10%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R3	W3	32.65	31.08	-4.80%	-4.80%	96.20%	96.20%	0.00%	2.57%	2.46%	-4.23%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R4	W4	32.50	30.97	-4.70%	-4.70%	98.12%	98.11%	-0.02%	3.26%	3.13%	-4.12%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R5	W5	32.44	30.99	-4.46%	-4.46%	96.32%	96.32%	0.00%	3.54%	3.40%	-3.87%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R6	W6	32.34	30.94	-4.33%	-4.33%	96.72%	96.72%	0.00%	3.78%	3.64%	-3.71%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R7	W7	32.53	31.25	-3.95%	-3.95%	96.25%	96.25%	0.00%	3.57%	3.45%	-3.32%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R8	W8	32.42	31.26	-3.58%	-3.58%	96.48%	96.48%	0.00%	3.94%	3.83%	-2.87%	N/A	N/A	N/A	N/A	N/A	N/A
Third	Bedroom/R1	W1	35.81	34.85	-2.68%	-2.68%	98.07%	98.07%	0.00%	3.21%	3.15%	-1.95%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R2	W2	35.59	34.60	-2.80%	-2.80%	98.55%	98.55%	0.00%	3.20%	3.14%	-1.97%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R3	W3	35.77	34.79	-2.72%	-2.72%	97.89%	97.89%	0.00%	3.36%	3.29%	-1.91%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R4	W4	35.53	34.61	-2.57%	-2.57%	98.28%	98.28%	0.00%	3.16%	3.10%	-1.78%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R5	W5	35.63	34.83	-2.26%	-2.26%	97.80%	97.80%	0.00%	3.38%	3.33%	-1.56%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R6	W6	35.47	34.79	-1.93%	-1.93%	97.27%	97.27%	0.00%	3.13%	3.09%	-1.34%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R7	W8	33.45	33.13	-0.96%	-0.96%	84.15%	84.15%	0.00%	3.78%	3.76%	-0.54%	N/A	N/A	N/A	N/A	N/A	N/A	
6 Birkenhead Street	Basement	Dining room/R1	W1	9.25	9.25	0.00%	0.00%	33.25%	28.79%	-13.41%	1.11%	1.10%	-1.14%	15	15	0.00%	0	0	N/A
	Ground	Lobby/R2	W2	22.22	21.40	-3.67%	-3.67%	91.18%	83.02%	-8.94%	2.31%	2.26%	-2.33%	N/A	N/A	N/A	N/A	N/A	N/A
	First	Bedroom/R1	W1	26.04	25.05	-3.80%	-3.80%	99.05%	99.05%	0.00%	4.61%	4.50%	-2.49%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R2	W2	25.83	25.06	-2.99%	-2.99%	97.60%	97.60%	0.00%	3.29%	3.22%	-1.95%	N/A	N/A	N/A	N/A	N/A	N/A
	Second	Bedroom/R1	W1	32.10	31.21	-2.79%	-2.79%	98.31%	98.31%	0.00%	4.31%	4.22%	-2.06%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R2	W2	31.95	31.28	-2.09%	-2.09%	96.39%	96.39%	0.00%	3.04%	3.00%	-1.61%	N/A	N/A	N/A	N/A	N/A	N/A
	Third	Bedroom/R1	W1	35.10	34.92	-0.50%	-0.50%	97.79%	97.79%	0.00%	5.06%	5.05%	-0.20%	N/A	N/A	N/A	N/A	N/A	N/A
Bedroom/R2		W2	34.91	34.75	-0.46%	-0.46%	94.21%	94.21%	0.00%	3.53%	3.52%	-0.20%	N/A	N/A	N/A	N/A	N/A	N/A	
57 Birkenhead Street	Basement	Bedroom/R1	W1	9.53	7.69	-19.26%	-19.26%	35.91%	26.99%	-24.84%	1.58%	1.39%	-12.15%	N/A	N/A	N/A	N/A	N/A	N/A
	Ground	Bedroom/R1	W1	14.78	12.00	-18.78%	-18.78%	59.50%	53.57%	-9.96%	1.74%	1.55%	-10.77%	N/A	N/A	N/A	N/A	N/A	N/A

Shaded Cells do not meet the BRE recommendations
Positive %age figures indicate an improvement
in the natural lighting conditions

				VSC				Daylight Distribution			ADF			APSH					
Address	Floor Level	Room Name	Window ID	Existing	Proposed	Window %age Diff	Room %age Diff	Existing	Proposed	%age Diff	Existing	Proposed	%age Diff	APSH Existing	APSH Proposed	%age Diff	Winter Existing	Winter Proposed	%age Diff
57 Birkenhead Street	First	Bedroom/R1	W1	23.46	20.38	-13.14%	-13.14%	97.14%	97.14%	0.00%	2.54%	2.34%	-7.87%	N/A	N/A	N/A	N/A	N/A	N/A
	Second	Bedroom/R1	W1	32.33	29.92	-7.46%	-7.46%	96.45%	96.45%	0.00%	2.59%	2.46%	-5.29%	N/A	N/A	N/A	N/A	N/A	N/A
	Third	Bedroom/R1	W1	36.10	35.24	-2.39%	-2.39%	95.71%	95.60%	-0.12%	2.46%	2.43%	-1.47%	N/A	N/A	N/A	N/A	N/A	N/A
58 Birkenhead Street	Basement	Dining Room/R1	W1	0.41	0.40	-1.94%	-1.94%	44.83%	30.22%	-32.58%	1.85%	1.56%	-15.79%	0	0	N/A	0	0	N/A
	Ground	Kitchen/R1	W1	18.02	13.39	-25.72%	-25.72%	78.44%	54.26%	-30.82%	2.02%	1.69%	-16.38%	N/A	N/A	N/A	N/A	N/A	N/A
	First	Kitchen/R1	W1	25.25	18.90	-25.15%	-25.15%	96.56%	94.27%	-2.37%	2.45%	2.02%	-17.40%	N/A	N/A	N/A	N/A	N/A	N/A
	Second	Kitchen/R1	W1	32.11	25.32	-21.14%	-21.14%	96.30%	96.28%	-0.02%	2.56%	2.16%	-15.39%	N/A	N/A	N/A	N/A	N/A	N/A
59 Birkenhead Street	Ground	Living room/R4	W5	23.78	23.74	-0.14%	-0.14%	67.54%	67.54%	0.00%	2.14%	2.14%	0.00%	10	10	0.00%	0	0	N/A
	First	Bedroom/R2	W3	28.23	28.23	0.00%	0.00%	97.96%	97.96%	0.00%	3.76%	3.76%	0.01%	N/A	N/A	N/A	N/A	N/A	N/A
			W4	28.11	28.11	0.00%	0.00%	97.96%	97.96%	0.00%	3.76%	3.76%	0.01%	N/A	N/A	N/A	N/A	N/A	N/A
Northumberland Hotel	Below Ground	Bedroom/R2	W2	5.34	4.97	-6.89%	-6.89%	15.17%	28.44%	87.42%	0.57%	0.57%	0.81%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R3	W3	6.10	6.00	-1.67%	-1.67%	19.43%	18.38%	-5.38%	0.62%	0.60%	-2.71%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R4	W4	4.63	4.43	-4.41%	-4.41%	11.86%	7.72%	-34.94%	0.44%	0.42%	-4.05%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R3	W3	8.07	7.44	-7.76%	-7.76%	54.83%	53.26%	-2.86%	0.96%	0.90%	-5.88%	N/A	N/A	N/A	N/A	N/A	N/A
	Ground	Bedroom/R4	W4	7.50	7.26	-3.27%	-3.27%	40.03%	33.91%	-3.48%	0.72%	0.69%	-3.48%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R5	W5	7.05	6.88	-2.35%	-2.35%	33.58%	31.20%	-7.07%	0.67%	0.66%	-1.44%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R6	W6	9.81	9.48	-3.40%	-3.40%	81.86%	73.85%	-9.79%	1.05%	1.03%	-1.95%	N/A	N/A	N/A	N/A	N/A	N/A
		Living room/R7	W7	11.90	11.62	-2.35%	-4.39%	17.90%	31.87%	78.03%	0.46%	0.45%	-1.80%	15	15	0.00%	2	2	0.00%
	Living room/R8	W8	10.85	10.16	-6.44%	-5.96%	16.70%	10.31%	-38.28%	0.37%	0.36%	-2.91%	21	18	-14.29%	4	1	-75.00%	
		W9	8.97	8.44	-5.96%	-5.96%	16.70%	10.31%	-38.28%	0.37%	0.36%	-2.91%	16	15	-6.25%	3	2	-33.33%	
	First	Bedroom/R3	W3	16.42	14.69	-10.56%	-8.56%	58.86%	55.22%	-6.19%	1.35%	1.28%	-4.80%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R4	W4	14.01	13.10	-6.55%	-2.49%	53.31%	53.06%	-0.48%	1.00%	0.98%	-1.25%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R5	W5	13.06	12.74	-2.49%	-4.33%	87.31%	84.60%	-3.11%	1.23%	1.20%	-2.38%	N/A	N/A	N/A	N/A	N/A	N/A
		Bedroom/R6	W6	13.27	12.69	-4.33%	-3.33%	80.11%	79.94%	-0.21%	1.56%	1.52%	-2.20%	N/A	N/A	N/A	N/A	N/A	N/A
Bedroom/R7		W7	18.95	18.32	-3.33%	-1.67%	70.78%	61.20%	-13.54%	1.15%	1.14%	-0.98%	N/A	N/A	N/A	N/A	N/A	N/A	
Bedroom/R8		W8	14.77	14.52	-1.67%	0.00%	30.35%	30.35%	0.00%	0.92%	0.92%	0.00%	N/A	N/A	N/A	N/A	N/A	N/A	
Bedroom/R3		W3	24.84	22.57	-9.13%	-6.86%	88.66%	79.20%	-10.67%	1.77%	1.69%	-4.20%	N/A	N/A	N/A	N/A	N/A	N/A	
Bedroom/R4		W4	22.05	21.04	-4.59%	-1.79%	85.13%	85.13%	0.00%	1.36%	1.34%	-1.12%	N/A	N/A	N/A	N/A	N/A	N/A	
Second	Bedroom/R5	W5	19.92	19.57	-1.79%	-4.37%	96.74%	96.74%	0.00%	1.64%	1.59%	-2.74%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R6	W6	18.45	17.65	-4.37%	-3.61%	95.85%	95.85%	0.00%	2.24%	2.17%	-2.90%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R7	W7	28.62	27.59	-3.61%	-1.16%	95.62%	95.62%	0.00%	1.83%	1.81%	-1.45%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R8	W8	27.30	26.98	-1.16%	-0.20%	64.07%	64.07%	0.00%	1.48%	1.46%	-1.09%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R8	W9	18.49	18.45	-0.20%	-5.20%	85.25%	84.63%	-0.73%	1.59%	1.52%	-4.12%	N/A	N/A	N/A	N/A	N/A	N/A	
Third	Bedroom/R2	W2	33.67	31.35	-6.90%	-2.08%	92.21%	92.06%	-0.16%	1.45%	1.43%	-1.51%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R3	W3	31.81	30.70	-3.49%	-3.69%	97.29%	97.29%	0.00%	1.95%	1.92%	-1.63%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R4	W4	28.19	27.60	-2.08%	-3.68%	95.59%	95.59%	0.00%	2.60%	2.53%	-2.58%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R5	W5	23.61	22.74	-3.69%	-3.43%	95.37%	95.37%	0.00%	2.15%	2.10%	-2.25%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R6	W6	35.50	34.20	-3.68%	-4.32%	65.98%	65.98%	0.00%	1.67%	1.64%	-1.84%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R7	W7	35.59	34.37	-3.43%	-1.77%	95.26%	95.26%	0.00%	1.44%	1.42%	-1.15%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R1	W1	37.53	36.87	-1.77%	-1.58%	89.37%	89.37%	0.00%	1.20%	1.19%	-1.04%	N/A	N/A	N/A	N/A	N/A	N/A	
Fourth	Bedroom/R2	W2	38.84	38.22	-1.58%	-1.31%	89.25%	89.25%	0.00%	1.19%	1.18%	-0.86%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R3	W3	38.36	37.86	-1.31%	-1.38%	68.46%	68.46%	0.00%	1.04%	1.03%	-0.75%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R4	W4	28.58	28.18	-1.38%	-8.71%	42.70%	42.70%	0.00%	1.41%	1.34%	-5.00%	N/A	N/A	N/A	N/A	N/A	N/A	
	Bedroom/R1	W1	18.42	17.10	-7.19%	-7.19%	45.97%	45.97%	0.00%	1.69%	1.62%	-4.27%	N/A	N/A	N/A	N/A	N/A	N/A	
56 Birkenhead Street	Ground	Kitchen/R1	W1	13.69	12.50	-8.71%	-8.71%	42.70%	42.70%	0.00%	1.41%	1.34%	-5.00%	N/A	N/A	N/A	N/A	N/A	N/A
	First	Bedroom/R1	W1	18.42	17.10	-7.19%	-7.19%	45.97%	45.97%	0.00%	1.69%	1.62%	-4.27%	N/A	N/A	N/A	N/A	N/A	N/A

Shaded Cells do not meet the BRE recommendations
Positive %age figures indicate an improvement
in the natural lighting conditions



NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Existing
Proposed
Surrounding

Window Tested Daylight only
Window Tested Daylight & Sunlight

SOURCE DATA

Drawings Used:
Existing and Surrounding buildings:
Callidus Surveyors:
Dwg No's: 12004 E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E11, PR, PS (All Rev F).

Contextual Model:
Vertex Modelling.

Proposed Scheme:
Dexter Moren Associates Architects:
Proposed Sketchup Model received on 10/08/2015
Dwg No's: A-100-001 to A-100-007, A-110-001 to A-110-002, A-120-22 to A-120-004,

Northumberland Hotel Proposed Scheme:
SCP Architects Ltd
Dwg No's: 1355 P402 - P404, Ground - Roof Plans.

NOTES

Building not accessed to assess internal configuration - room uses assumed.

Site Plan



REV	Description	Drawn	Ch'kd	Date
A	Annotation	SA	DW	26/08/2015

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3-4 Holborn Circus info@delvapatmanredler.co.uk
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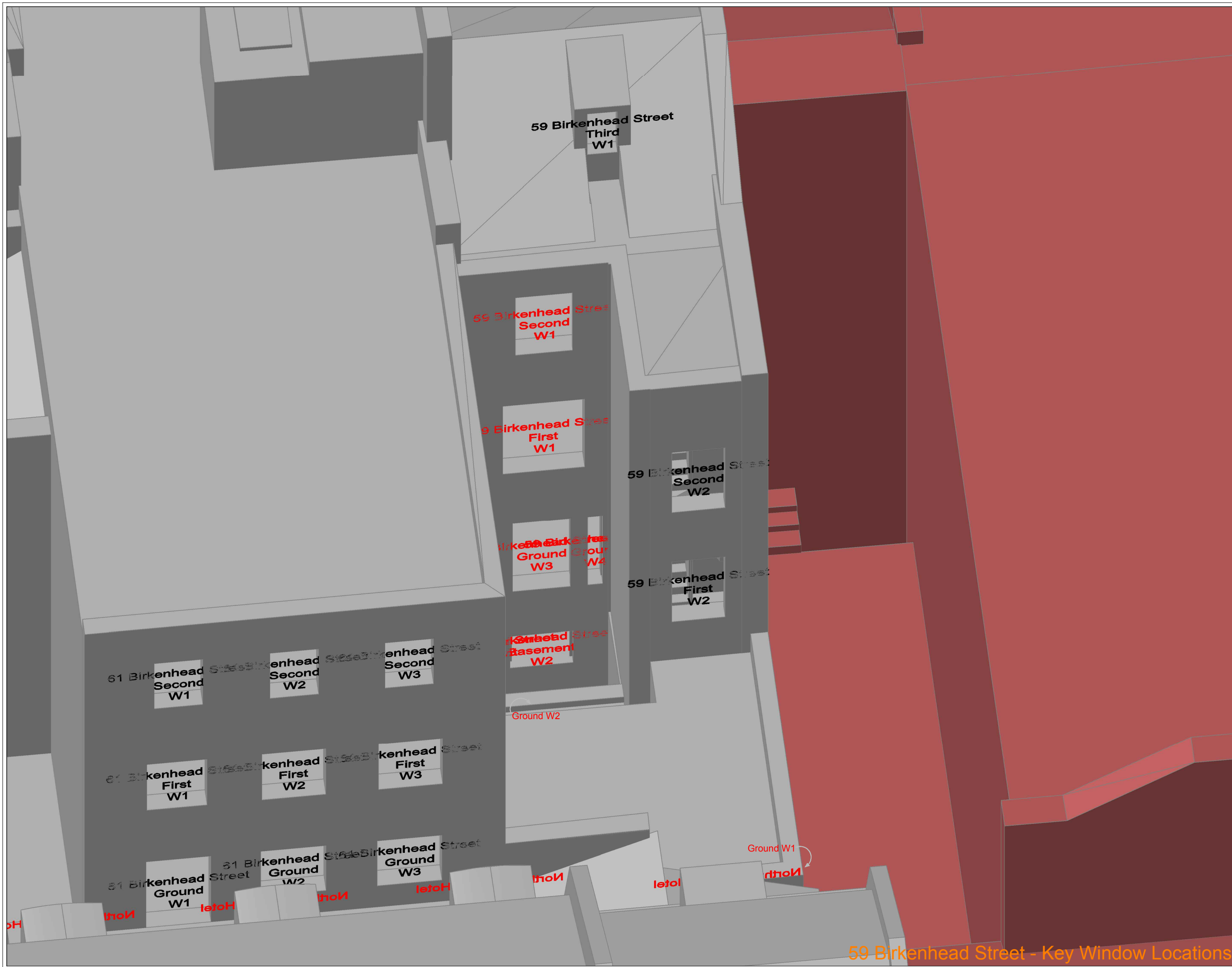
TITLE:
KINGS CROSS METHODIST CHURCH
BIRKENHEAD STREET
LONDON
-
DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
59 Birkenhead Street
Daylight / Sunlight Analysis
Key Window Locations
-
-
-
Front Elevation

DRAWN: DW JOB NO: 14163
SCALE: NTS
DATE: 25/11/2014

DWG NO: LOC/804 REV: A

59 Birkenhead Street - Key Window Locations



NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Existing	Window Tested Daylight only
Proposed	Window Tested Daylight & Sunlight
Surrounding	

W1/08
W1/08

SOURCE DATA

Drawings Used:
Existing and Surrounding buildings:
Callidus Surveyors:
Dwg No's: 12004 E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E11, PR, PS (All Rev F).

Contextual Model:
Vertex Modelling.

Proposed Scheme:
Dexter Moren Associates Architects:
Proposed Sketchup Model received on 10/08/2015
Dwg No's: A-100-001 to A-100-007, A-110-001 to A-110-002, A-120-22 to A-120-004,

Northumberland Hotel Proposed Scheme:
SCP Architects Ltd
Dwg No's: 1355 P402 - P404, Ground - Roof Plans.

NOTES

Building not accessed to assess internal configuration - room uses assumed.

Site Plan



REV	Description	Drawn	Ch'kd	Date
A	Annotation	SA	DW	26/08/2015

DELVA PATMAN REDLER
Chartered Surveyors

Thavies Inn House 020 7936 3668
3-4 Holborn Circus info@delvapatmanredler.co.uk
London EC1N 2HA www.delvapatmanredler.co.uk

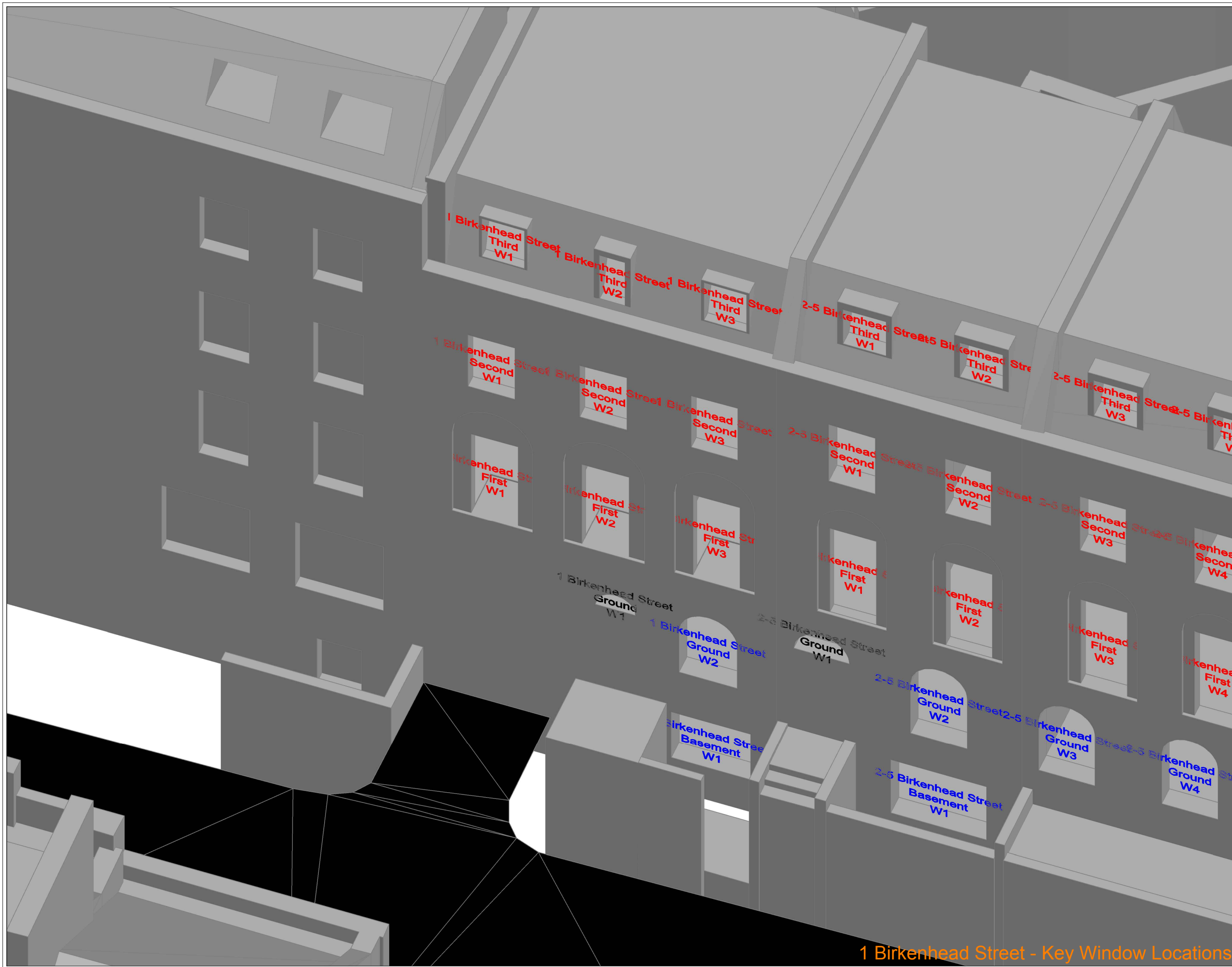
TITLE:
KINGS CROSS METHODIST CHURCH
BIRKENHEAD STREET
LONDON
-
DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
59 Birkenhead Street
Daylight / Sunlight Analysis
Key Window Locations
-
-
-
Rear Elevation

DRAWN: DW **JOB NO:** 14163
SCALE: NTS
DATE: 25/11/2014

DWG NO: LOC/805 **REV:** A

59 Birkenhead Street - Key Window Locations



NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Existing	Window Tested Daylight only
Proposed	Window Tested Daylight & Sunlight
Surrounding	

W1/08

SOURCE DATA

Drawings Used:
Existing and Surrounding buildings:
Callidus Surveys:
Dwg No's: 12004 E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E11, PR, PS (All Rev F).

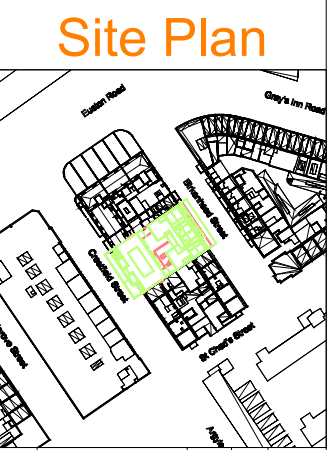
Contextual Model:
Vertex Modelling.

Proposed Scheme:
Dexter Moren Associates Architects:
Proposed Sketchup Model received on 10/08/2015
Dwg No's: A-100-001 to A-100-007, A-110-001 to A-110-002, A-120-22 to A-120-004,

Northumberland Hotel Proposed Scheme:
SCP Architects Ltd
Dwg No's: 1355 P402 - P404, Ground - Roof Plans.

NOTES

Building not accessed to assess internal configuration - room uses assumed.



REV	Description	Drawn	Chk'd	Date
A	Annotation	SA	DW	26/08/2015

DELVA PATMAN REDLER
Chartered Surveyors

Thavies Inn House 020 7936 3668
3-4 Holborn Circus info@delvapatmanredler.co.uk
London EC1N 2HA www.delvapatmanredler.co.uk

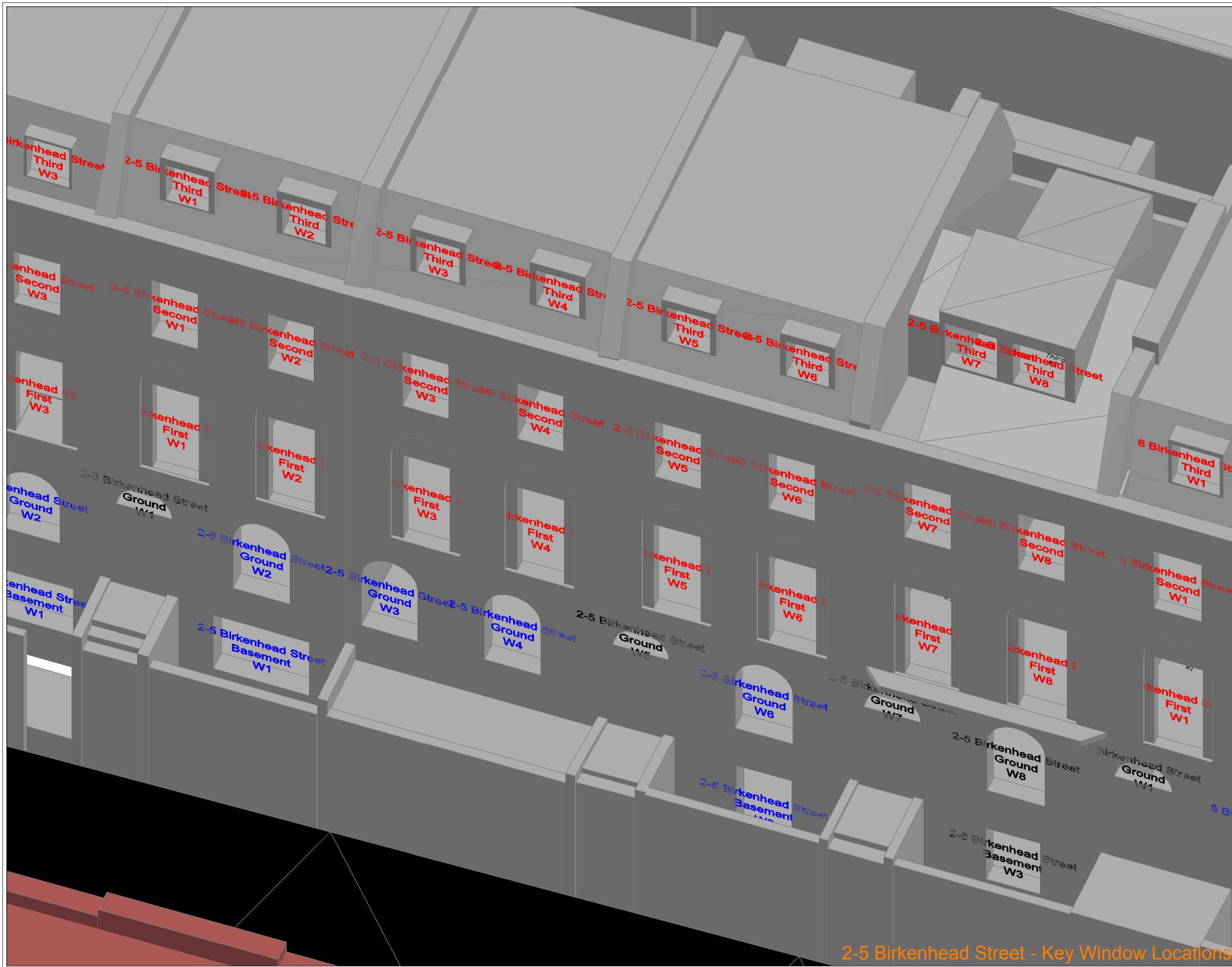
TITLE:
KINGS CROSS METHODIST CHURCH
BIRKENHEAD STREET
LONDON
-
DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
1 Birkenhead Street
Daylight / Sunlight Analysis
Key Window Locations
-
-
-

DRAWN: DW	JOB NO:
SCALE: NTS	14163
DATE: 25/11/2014	

DWG NO:	REV:
LOC/806	A

1 Birkenhead Street - Key Window Locations



NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Existing	Window Tested Daylight only
Proposed	Window Tested Daylight & Sunlight
Surrounding	

W1/08
W1/08

SOURCE DATA

Drawings Used:
Existing and Surrounding buildings:
Callidus Surveyors:
Dwg No's: 12004 E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E11, PR, PS (All Rev F).

Contextual Model:
Vertex Modelling.

Proposed Scheme:
Dexter Moren Associates Architects:
Proposed Sketchup Model received on 10/08/2015
Dwg No's: A-100-001 to A-100-007, A-110-001 to A-110-002, A-120-22 to A-120-004,

Northumberland Hotel Proposed Scheme:
SCP Architects Ltd
Dwg No's: 1355 P402 - P404, Ground - Roof Plans.

NOTES

Building not accessed to assess internal configuration - room uses assumed.

Site Plan



REV	Description	Drawn	Chk'd	Date
A	Annotation	SA	DW	26/08/2015

DELVA PATMAN REDLER
Chartered Surveyors

Thavies Inn House 020 7936 3668
3-4 Holborn Circus info@delvapatmanredler.co.uk
London EC1N 2HA www.delvapatmanredler.co.uk

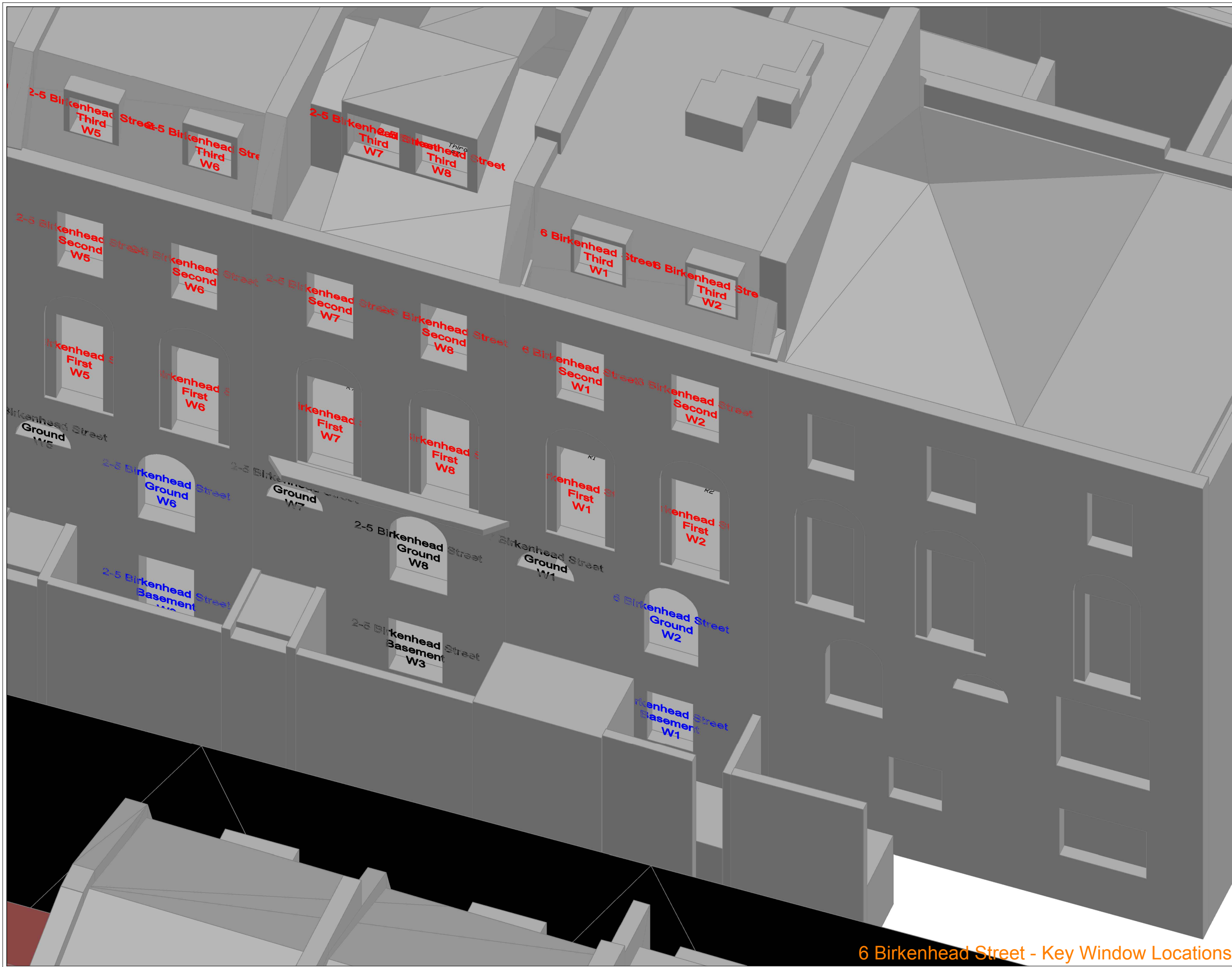
TITLE: **KINGS CROSS METHODIST CHURCH**
BIRKENHEAD STREET
LONDON
-
DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
2-5 Birkenhead Street
Daylight / Sunlight Analysis
Key Window Locations
-
-
-

DRAWN: DW	JOB NO:
SCALE: NTS	14163
DATE: 25/11/2014	

DWG NO: LOC/807	REV: A
------------------------	---------------

2-5 Birkenhead Street - Key Window Locations



NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Existing	Window Tested Daylight only
Proposed	Window Tested Daylight & Sunlight
Surrounding	

W1/08
W1/08

SOURCE DATA

Drawings Used:
Existing and Surrounding buildings:
Callidus Surveyors:
Dwg No's: 12004 E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E11, PR, PS (All Rev F).

Contextual Model:
Vertex Modelling.

Proposed Scheme:
Dexter Moren Associates Architects:
Proposed Sketchup Model received on 10/08/2015
Dwg No's: A-100-001 to A-100-007, A-110-001 to A-110-002, A-120-22 to A-120-004,

Northumberland Hotel Proposed Scheme:
SCP Architects Ltd
Dwg No's: 1355 P402 - P404, Ground - Roof Plans.

NOTES

Building not accessed to assess internal configuration - room uses assumed.



A	Annotation	SA	DW	26/08/2015
REV	Description	Drawn	Ch'kd	Date

DELVA PATMAN REDLER
Chartered Surveyors

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3-4 Holborn Circus info@delvapatmanredler.co.uk
London EC1N 2HA www.delvapatmanredler.co.uk

TITLE: KINGS CROSS METHODIST CHURCH
BIRKENHEAD STREET
LONDON
-
DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
6 Birkenhead Street
Daylight / Sunlight Analysis
Key Window Locations
-
-
-

DRAWN: DW JOB NO: 14163
SCALE: NTS
DATE: 25/11/2014

DWG NO: LOC/808 REV: A

6 Birkenhead Street - Key Window Locations



NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Existing	Window Tested Daylight only
Proposed	Window Tested Daylight & Sunlight
Surrounding	

W1/08
W2/08

SOURCE DATA

Drawings Used:
Existing and Surrounding buildings:
Callidus Surveyors:
Dwg No's: 12004 E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E11, PR, PS (All Rev F).

Contextual Model:
Vertex Modelling.

Proposed Scheme:
Dexter Moren Associates Architects:
Proposed Sketchup Model received on 10/08/2015
Dwg No's: A-100-001 to A-100-007, A-110-001 to A-110-002, A-120-22 to A-120-004,

Northumberland Hotel Proposed Scheme:
SCP Architects Ltd
Dwg No's: 1355 P402 - P404, Ground - Roof Plans.

NOTES

Building not accessed to assess internal configuration - room uses assumed.



A	Annotation	SA	DW	26/08/2015
REV	Description	Draw	Ch'kd	Date

DELVA PATMAN REDLER
Chartered Surveyors

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3-4 Holborn Circus info@delvapatmanredler.co.uk
London EC1N 2HA www.delvapatmanredler.co.uk

TITLE:
KINGS CROSS METHODIST CHURCH
BIRKENHEAD STREET
LONDON
-
DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
56, 57 & 58 Birkenhead Street
Daylight / Sunlight Analysis
Key Window Locations
-
-
Rear Elevation

DRAWN: DW **JOB NO:** 14163
SCALE: NTS
DATE: 25/11/2014

DWG NO: LOC/809 **REV:** A

56, 57 & 58 Birkenhead Street - Key Window Locations



NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Existing	Window Tested Daylight only
Proposed	Window Tested Daylight & Sunlight
Surrounding	

W1/08
W1/08

SOURCE DATA

Drawings Used:
Existing and Surrounding buildings:
Callidus Surveyors:
Dwg No's: 12004 E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E11, PR, PS (All Rev F).

Contextual Model:
Vertex Modelling.

Proposed Scheme:
Dexter Moren Associates Architects:
Proposed Sketchup Model received on 10/08/2015
Dwg No's: A-100-001 to A-100-007, A-110-001 to A-110-002, A-120-22 to A-120-004,

Northumberland Hotel Proposed Scheme:
SCP Architects Ltd
Dwg No's: 1355 P402 - P404, Ground - Roof Plans.

NOTES

Building not accessed to assess internal configuration - room uses assumed.



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A	Annotation	SA	DW	26/08/2015
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REV	Description	Drawn	Chk'd	Date
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Chartered Surveyors

Thavies Inn House 020 7936 3668
3-4 Holborn Circus info@delvapatmanredler.co.uk
London EC1N 2HA www.delvapatmanredler.co.uk

TITLE:
KINGS CROSS METHODIST CHURCH
BIRKENHEAD STREET
LONDON
-
DAYLIGHT / SUNLIGHT ANALYSIS

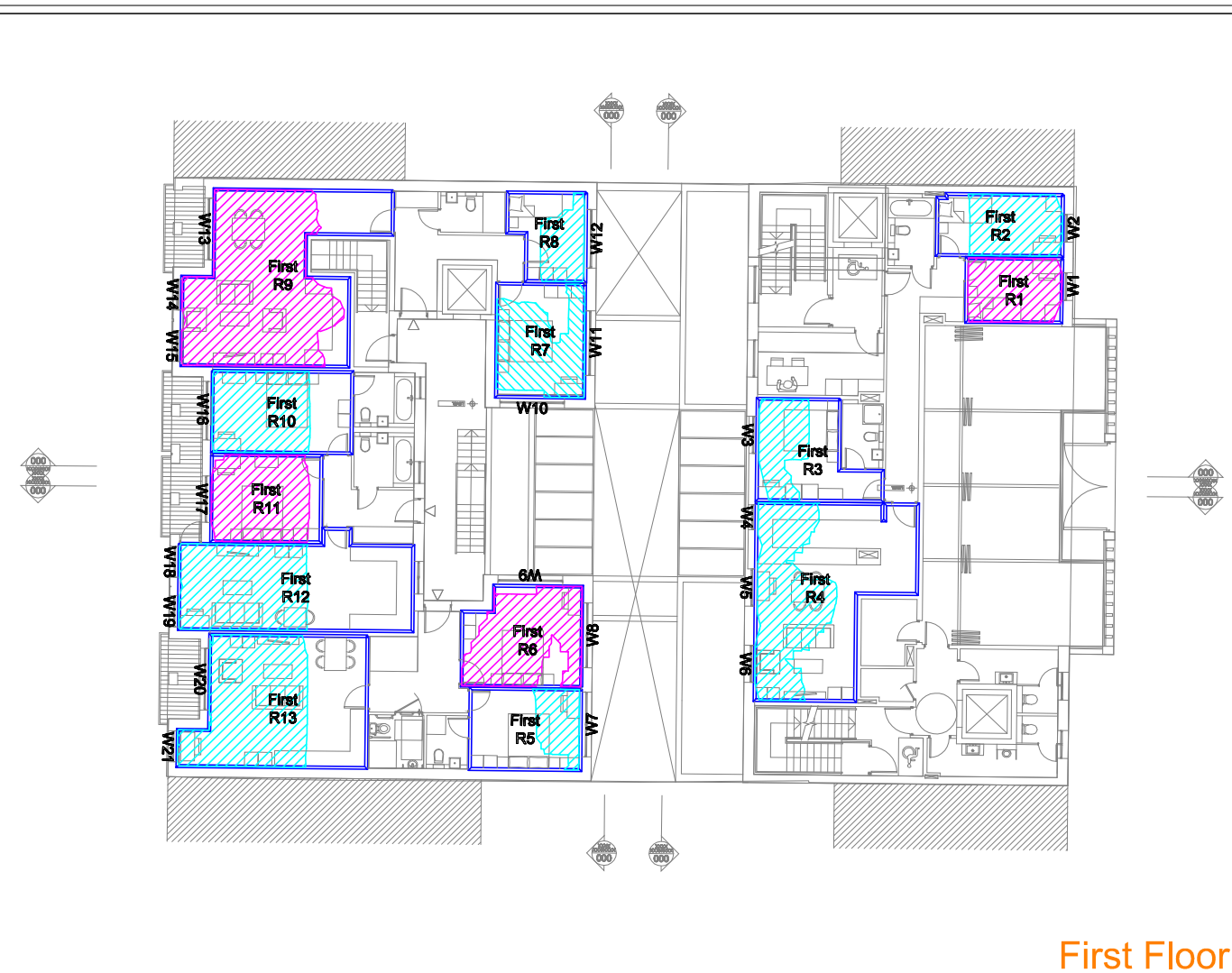
DRAWING:
Northumberland Hotel
Daylight / Sunlight Analysis
Key Window Locations
-
-
Rear Elevation

DRAWN: DW	JOB NO:
SCALE: NTS	14163
DATE: 25/11/2014	

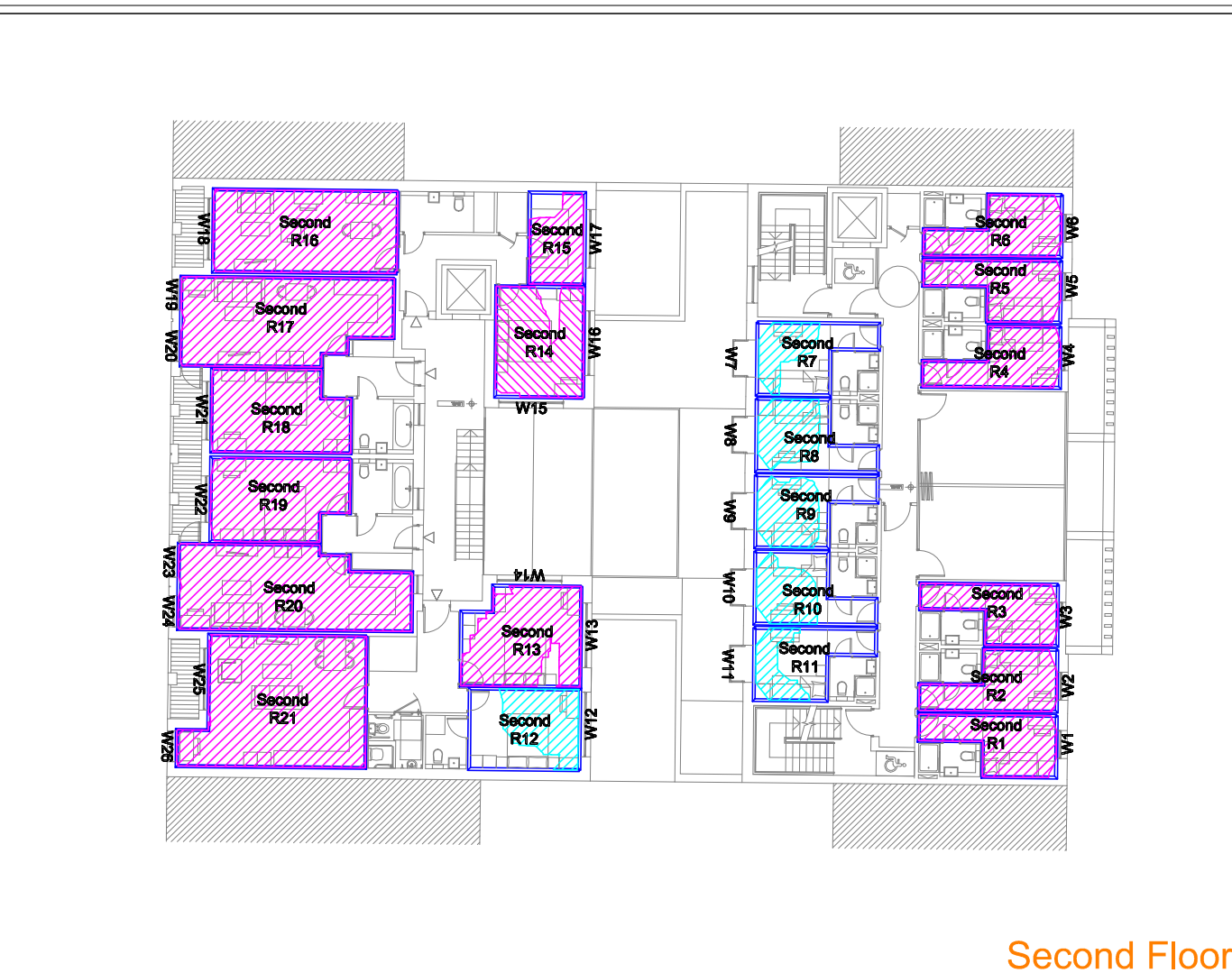
DWG NO:	REV:
LOC/810	A

Northumberland Hotel - Key Window Locations

APPENDIX B
DAYLIGHT & SUNLIGHT TABLES
14163/LOC/811



First Floor



Second Floor

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:
Indicative

Proposed Floor Plan
 > 80% coverage at working plane
 < 80% coverage at working plane

SOURCE DATA

Drawings Used:
 Existing and Surrounding buildings:
 Callidus Surveyors:
 Dwg No's: 12004 E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E11, PR, PS (All Rev F).

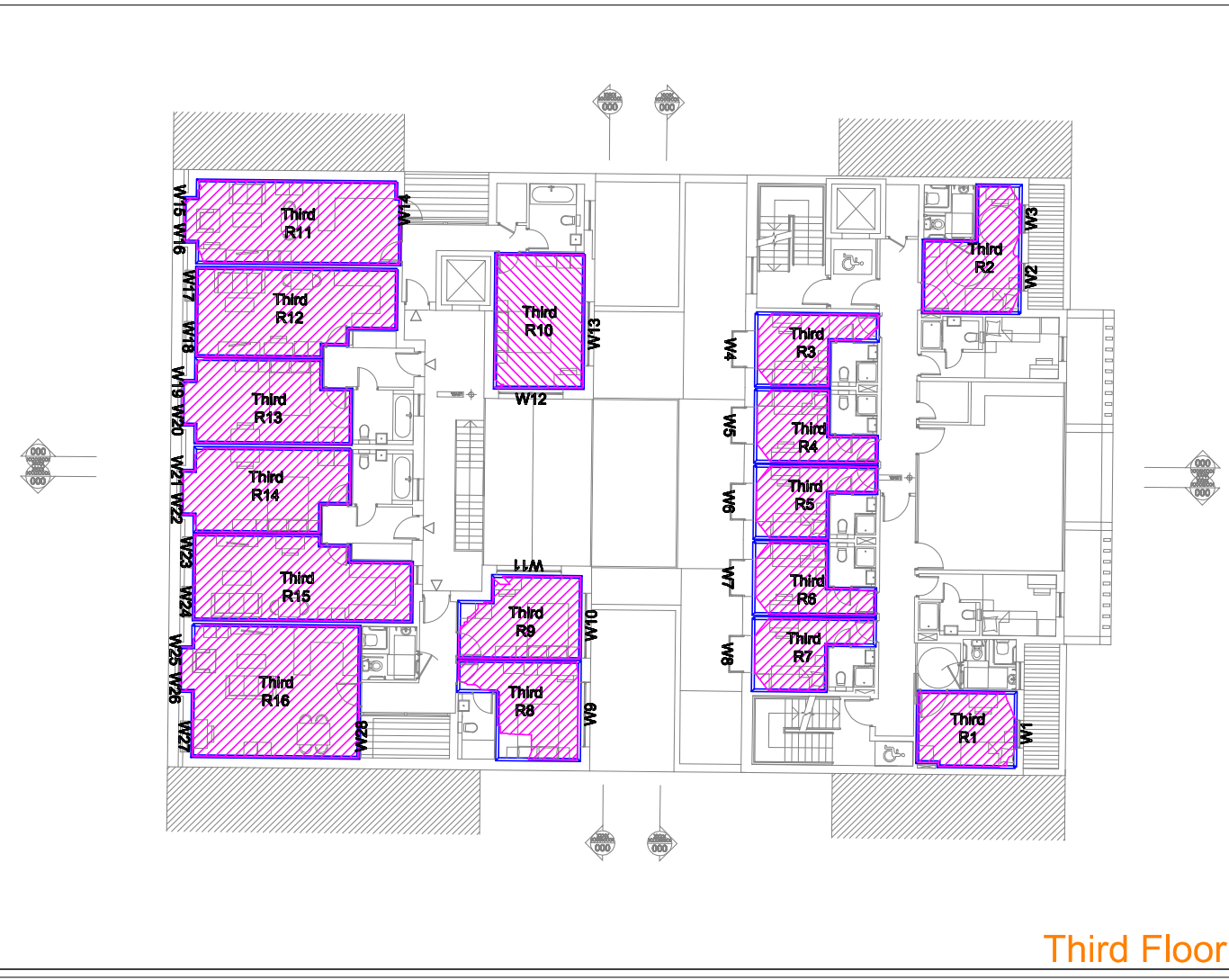
Contextual Model:
 Vertex Modelling.

Proposed Scheme:
 Dexter Moren Associates Architects:
 Proposed Sketchup Model received on 10/08/2015
 Dwg No's: A-100-001 to A-100-007, A-110-001 to A-110-002, A-120-22 to A-120-004.

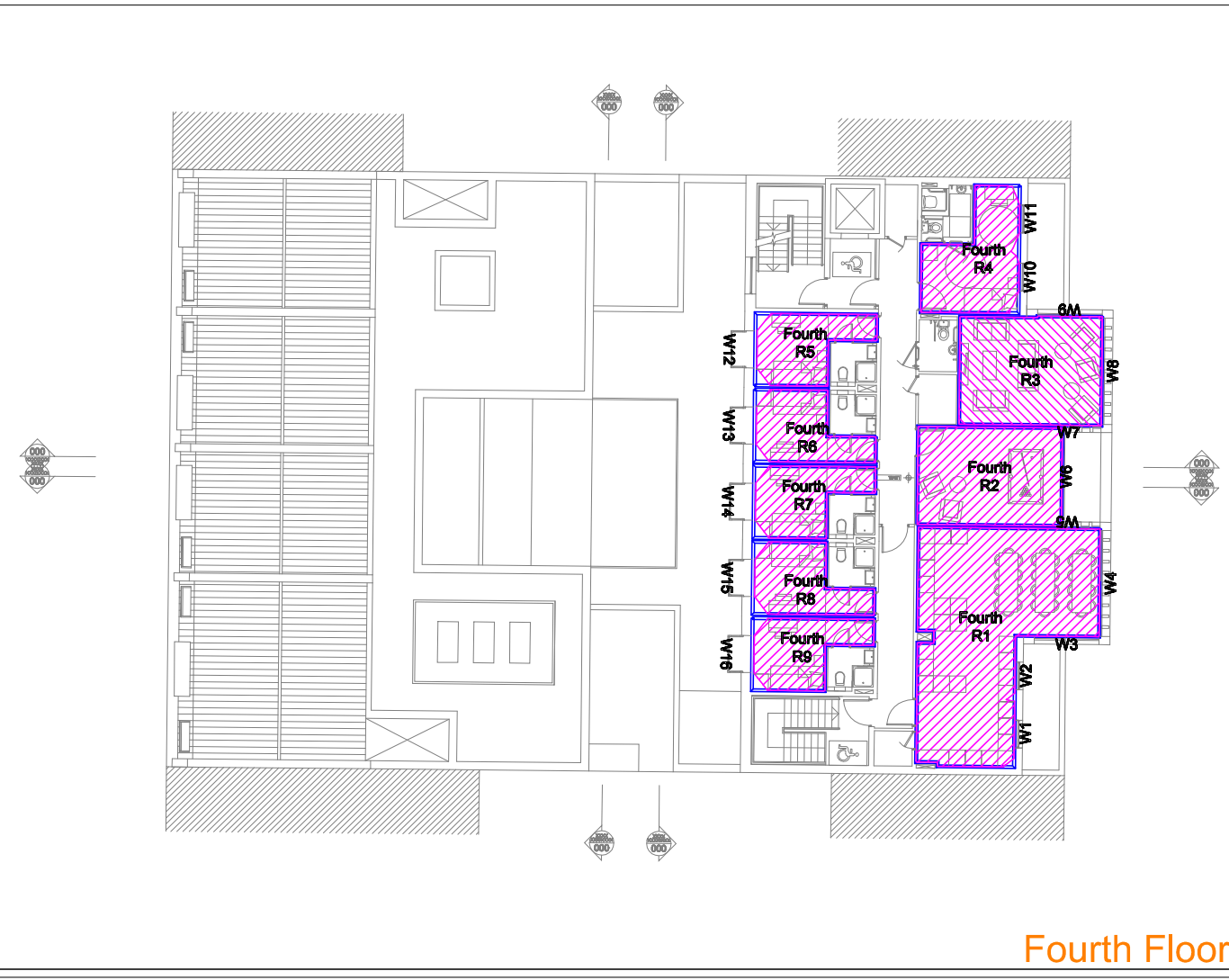
Northumberland Hotel Proposed Scheme:
 SCP Architects Ltd
 Dwg No's: 1355 P402 - P404, Ground - Roof Plans.

NOTES

Site Plan



Third Floor



Fourth Floor

REV	Description	Drawn	Chk'd	Date
1				

DELVA PATMAN REDLER
Chartered Surveyors

Thavies Inn House
 3-4 Holborn Circus
 London EC1N 2HA

020 7936 3668
 info@delvapatmanredler.co.uk
 www.delvapatmanredler.co.uk

TITLE: **KINGS CROSS METHODIST CHURCH**
 BIRKENHEAD STREET
 LONDON

NO SKY LINE ANALYSIS

DRAWING:
 Kings Cross Methodist Church
 No Sky Line Analysis

DRAWN: SA
 SCALE: 1:250@A3
 DATE: 27/08/2015

JOB NO:
14163

DWG NO: **LOC/811**

REV: -

Dwg No	Address	Floor Level	Room Name	Window ID	No Sky Line %age of Room Area Existing	No Sky Line %age of Room Area Proposed	Percentage Difference	Condition
-	Kings Cross Methodist Church	First	Bedroom/R1	W1	N/A	96.10%	N/A	Pass
-			Bedroom/R2	W2	N/A	73.01%	N/A	Pass
-			Bedroom/R3	W3	N/A	42.73%	N/A	Fail
-			Living room/R4	W4	N/A	42.93%	N/A	Fail
-				W5				
-				W6				
-			Living room/R5	W7	N/A	32.68%	N/A	Fail
-			Bedroom/R6	W8	N/A	81.98%	N/A	Pass
-				W9				
-			Bedroom/R7	W10	N/A	75.78%	N/A	Pass
-				W11				
-			Bedroom/R8	W12	N/A	51.48%	N/A	Pass
-			Living room/R9	W13	N/A	80.58%	N/A	Pass
-				W14				
-				W15				
-			Bedroom/R10	W16	N/A	69.53%	N/A	Pass
-			Bedroom/R11	W17	N/A	86.81%	N/A	Pass
-			Living room/R12	W18	N/A	53.30%	N/A	Pass
-				W19				
-			Living room/R13	W20	N/A	63.56%	N/A	Pass
-				W21				
-		Second	Bedroom/R1	W1	N/A	98.07%	N/A	Pass
-			Bedroom/R2	W2	N/A	98.02%	N/A	Pass
-			Bedroom/R3	W3	N/A	98.16%	N/A	Pass
-			Bedroom/R4	W4	N/A	98.16%	N/A	Pass
-			Bedroom/R5	W5	N/A	98.04%	N/A	Pass
-			Bedroom/R6	W6	N/A	98.16%	N/A	Pass
-			Bedroom/R7	W7	N/A	39.63%	N/A	Fail
-			Bedroom/R8	W8	N/A	56.67%	N/A	Pass
-			Bedroom/R9	W9	N/A	59.67%	N/A	Pass
-			Bedroom/R10	W10	N/A	51.18%	N/A	Pass
-			Bedroom/R11	W11	N/A	33.35%	N/A	Fail
-			Bedroom/R12	W12	N/A	54.01%	N/A	Pass
-				W13				
-			Bedroom/R13	W14	N/A	86.99%	N/A	Pass
-				W15				
-			Bedroom/R14	W16	N/A	90.50%	N/A	Pass
-				W17				
-			Bedroom/R15	W17	N/A	81.09%	N/A	Pass
-			Living room/R16	W18	N/A	99.86%	N/A	Pass
-			Living room/R17	W19	N/A	99.73%	N/A	Pass
-				W20				
-	Bedroom/R18	W21	N/A	99.82%	N/A	Pass		
-	Bedroom/R19	W22	N/A	99.10%	N/A	Pass		
-	Living room/R20	W23	N/A	99.78%	N/A	Pass		
-		W24						
-	Living room/R21	W25	N/A	99.81%	N/A	Pass		
-		W26						
-	Third	Bedroom/R1	W1	N/A	96.45%	N/A	Pass	
-		Bedroom/R2	W2	N/A	96.69%	N/A	Pass	
-			W3					
-		Bedroom/R3	W4	N/A	93.08%	N/A	Pass	
-	Bedroom/R4	W5	N/A	94.35%	N/A	Pass		

Dwg No	Address	Floor Level	Room Name	Window ID	No Sky Line %age of Room Area Existing	No Sky Line %age of Room Area Proposed	Percentage Difference	Condition
-	Kings Cross Methodist Church	Third	Bedroom/R5	W6	N/A	94.35%	N/A	Pass
-			Bedroom/R6	W7	N/A	93.91%	N/A	Pass
-			Bedroom/R7	W8	N/A	92.74%	N/A	Pass
-			Bedroom/R8	W9	N/A	86.81%	N/A	Pass
-			Bedroom/R9	W10	N/A	95.35%	N/A	Pass
-				W11				
-			Bedroom/R10	W12	N/A	99.69%	N/A	Pass
-				W13				
-			Living room/R11	W14	N/A	99.58%	N/A	Pass
-				W15				
-				W16				
-			Living room/R12	W17	N/A	100.00%	N/A	Pass
-				W18				
-			Bedroom/R13	W19	N/A	99.65%	N/A	Pass
-				W20				
-			Bedroom/R14	W21	N/A	99.42%	N/A	Pass
-				W22				
-			Living room/R15	W23	N/A	100.00%	N/A	Pass
-				W24				
-			Living room/R16	W25	N/A	99.74%	N/A	Pass
-				W26				
-		W27						
-		W28						
-		Fourth	Dining room/R1	W1	N/A	99.72%	N/A	Pass
-				W2				
-				W3				
-				W4				
-				W5				
-		Living room/R2	W6	N/A	99.99%	N/A	Pass	
-		Living room/R3	W7	N/A	100.00%	N/A	Pass	
-			W8					
-		Bedroom/R4	W9	N/A	96.95%	N/A	Pass	
-			W10					
-		Bedroom/R5	W11	N/A	94.36%	N/A	Pass	
-			W12					
-		Bedroom/R6	W13	N/A	94.36%	N/A	Pass	
-		Bedroom/R7	W14	N/A	94.36%	N/A	Pass	
-		Bedroom/R8	W15	N/A	94.36%	N/A	Pass	
-		Bedroom/R9	W16	N/A	94.36%	N/A	Pass	

Shaded Cells do not meet the BRE recommendations
Positive %age figures indicate an improvement
in the natural lighting conditions

Dwg No	Address	Floor Level	Room Name	Window ID	ADF (Room) %age	Pass Rate %age	Condition
-	Kings Cross Methodist Church	First	Bedroom/R1	W1	1.97%	1.00%	Pass
-			Bedroom/R2	W2	1.87%	1.00%	Pass
-			Bedroom/R3	W3	1.09%	1.00%	Pass
-			Living room/R4	W4	1.57%	1.50%	Pass
-				W5			
-			W6				
-			Living room/R5	W7	1.60%	1.50%	Pass
-			Bedroom/R6	W8	1.84%	1.00%	Pass
-				W9			
-			Bedroom/R7	W10	2.00%	1.00%	Pass
-				W11			
-			Bedroom/R8	W12	1.81%	1.00%	Pass
-			Living room/R9	W13	2.35%	1.50%	Pass
-				W14			
-				W15			
-			Bedroom/R10	W16	1.19%	1.00%	Pass
-			Bedroom/R11	W17	1.01%	1.00%	Pass
-			Living room/R12	W18	2.22%	1.50%	Pass
-				W19			
-			Living room/R13	W20	1.79%	1.50%	Pass
-				W21			
-		Second	Bedroom/R1	W1	2.44%	1.00%	Pass
-			Bedroom/R2	W2	2.12%	1.00%	Pass
-			Bedroom/R3	W3	1.43%	1.00%	Pass
-			Bedroom/R4	W4	1.52%	1.00%	Pass
-			Bedroom/R5	W5	2.16%	1.00%	Pass
-			Bedroom/R6	W6	2.45%	1.00%	Pass
-			Bedroom/R7	W7	1.65%	1.00%	Pass
-			Bedroom/R8	W8	1.72%	1.00%	Pass
-			Bedroom/R9	W9	1.74%	1.00%	Pass
-			Bedroom/R10	W10	1.69%	1.00%	Pass
-			Bedroom/R11	W11	1.65%	1.00%	Pass
-			Bedroom/R12	W12	2.06%	1.00%	Pass
-			Bedroom/R13	W13	2.47%	1.00%	Pass
-				W14			
-			Bedroom/R14	W15	2.76%	1.00%	Pass
-				W16			
-			Bedroom/R15	W17	2.71%	1.00%	Pass
-			Living room/R16	W18	1.51%	1.50%	Pass
-			Living room/R17	W19	2.64%	1.50%	Pass
-				W20			
-			Bedroom/R18	W21	1.52%	1.00%	Pass
-	Bedroom/R19	W22	1.14%	1.00%	Pass		
-	Living room/R20	W23	2.50%	1.50%	Pass		
-		W24					
-	Living room/R21	W25	2.05%	1.50%	Pass		
-		W26					
-	Third	Bedroom/R1	W1	2.34%	1.00%	Pass	
-		Bedroom/R2	W2	3.36%	1.00%	Pass	
-		W3					
-		Bedroom/R3	W4	2.30%	1.00%	Pass	
-	Bedroom/R4	W5	2.36%	1.00%	Pass		

Dwg No	Address	Floor Level	Room Name	Window ID	ADF (Room) %age	Pass Rate %age	Condition
-	Kings Cross Methodist Church	Third	Bedroom/R5	W6	2.38%	1.00%	Pass
-			Bedroom/R6	W7	2.33%	1.00%	Pass
-			Bedroom/R7	W8	2.29%	1.00%	Pass
-			Bedroom/R8	W9	2.40%	1.00%	Pass
-			Bedroom/R9	W10	4.04%	1.00%	Pass
-				W11			
-			Bedroom/R10	W12	3.45%	1.00%	Pass
-			Living room/R11	W13	2.18%	1.50%	Pass
-				W14			
-				W15			
-			Living room/R12	W16	2.55%	1.50%	Pass
-				W17			
-			Bedroom/R13	W18	1.95%	1.00%	Pass
-				W19			
-			Bedroom/R14	W20	1.95%	1.00%	Pass
-				W21			
-			Living room/R15	W22	2.43%	1.50%	Pass
-				W23			
-			Living room/R16	W24	3.24%	1.50%	Pass
-				W25			
-				W26			
-		W27					
-		Dining room/R1	W28	15.64%	1.50%	Pass	
-			W1				
-			W2				
-			W3				
-			W4				
-		W5					
-		Living room/R2	W6	4.54%	1.50%	Pass	
-		Living room/R3	W7	27.85%	1.50%	Pass	
-			W8				
-			W9				
-		Bedroom/R4	W10	2.62%	1.00%	Pass	
-	W11						
-	Bedroom/R5	W12	2.85%	1.00%	Pass		
-	Bedroom/R6	W13	2.85%	1.00%	Pass		
-	Bedroom/R7	W14	2.85%	1.00%	Pass		
-	Bedroom/R8	W15	2.85%	1.00%	Pass		
-	Bedroom/R9	W16	2.85%	1.00%	Pass		

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Dwg No	Address	Floor Level	Room Name	Window ID	APSH %				Winter %				
					Existing	Proposed	% Diff	Pass/Fail	Existing	Proposed	% Diff	Pass/Fail	
-	Kings Cross Methodist Church	First	Bedroom/R1	W1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-			Bedroom/R2	W2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-			Bedroom/R3	W3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-			Living room/R4	W4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-				W5	N/A	2	N/A	N/A	N/A	0	N/A	N/A	
-			Living room/R5	W6	N/A	4	N/A	N/A	N/A	0	N/A	N/A	
-				W7	N/A	2	N/A	N/A	N/A	1	N/A	N/A	
-			Bedroom/R6	W8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-				W9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-			Bedroom/R7	W10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-				W11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-			Bedroom/R8	W12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-				W13	N/A	5	N/A	N/A	N/A	0	N/A	N/A	
-			Living room/R9	W14	N/A	14	N/A	N/A	N/A	2	N/A	N/A	
-				W15	N/A	14	N/A	N/A	N/A	2	N/A	N/A	
-			Bedroom/R10	W16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-				W17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-			Living room/R12	W18	N/A	14	N/A	N/A	N/A	2	N/A	N/A	
-		W19		N/A	14	N/A	N/A	N/A	2	N/A	N/A		
-		Living room/R13	W20	N/A	6	N/A	N/A	N/A	0	N/A	N/A		
-			W21	N/A	13	N/A	N/A	N/A	1	N/A	N/A		
-		Second	Bedroom/R1	W1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-				W2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-				W3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-				W4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-				W5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-				W6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-				W7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-				W8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-				W9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-				W10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-				W11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-				W12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-				Bedroom/R13	W13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-					W14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-				Bedroom/R14	W15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-					W16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-				Bedroom/R15	W17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-					W18	N/A	8	N/A	N/A	N/A	0	N/A	N/A
-		Living room/R17	W19	N/A	17	N/A	N/A	N/A	2	N/A	N/A		
-			W20	N/A	17	N/A	N/A	N/A	2	N/A	N/A		
-		Bedroom/R18	W21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
-	W22		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
-	Living room/R20	W23	N/A	17	N/A	N/A	N/A	2	N/A	N/A			
-		W24	N/A	17	N/A	N/A	N/A	2	N/A	N/A			
-	Living room/R21	W25	N/A	9	N/A	N/A	N/A	0	N/A	N/A			
-		W26	N/A	17	N/A	N/A	N/A	2	N/A	N/A			
-	Third	Bedroom/R1	W1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
-			W2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
-			W3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
-			W4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
-	Bedroom/R4	W5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			

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					Existing	Proposed	% Diff	Pass/Fail	Existing	Proposed	% Diff	Pass/Fail
-	Kings Cross Methodist Church	Third	Bedroom/R5	W6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-			Bedroom/R6	W7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-			Bedroom/R7	W8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-			Bedroom/R8	W9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-				W10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-			Bedroom/R9	W11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-				W12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-			Bedroom/R10	W13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-				W14	N/A	16	N/A	N/A	N/A	0	N/A	N/A
-			Living room/R11	W15	N/A	12	N/A	N/A	N/A	0	N/A	N/A
-				W16	N/A	12	N/A	N/A	N/A	0	N/A	N/A
-			Living room/R12	W17	N/A	21	N/A	N/A	N/A	2	N/A	N/A
-				W18	N/A	22	N/A	N/A	N/A	2	N/A	N/A
-			Bedroom/R13	W19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-				W20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-			Bedroom/R14	W21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-				W22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-			Living room/R15	W23	N/A	21	N/A	N/A	N/A	2	N/A	N/A
-		W24		N/A	22	N/A	N/A	N/A	2	N/A	N/A	
-		Living room/R16	W25	N/A	12	N/A	N/A	N/A	0	N/A	N/A	
-			W26	N/A	12	N/A	N/A	N/A	0	N/A	N/A	
-			W27	N/A	21	N/A	N/A	N/A	2	N/A	N/A	
-			W28	N/A	13	N/A	N/A	N/A	0	N/A	N/A	
-		Dining room/R1	W1	N/A	37	N/A	N/A	N/A	11	N/A	N/A	
-			W2	N/A	27	N/A	N/A	N/A	6	N/A	N/A	
-			W3	N/A	7	N/A	N/A	N/A	0	N/A	N/A	
-			W4	N/A	57	N/A	N/A	N/A	20	N/A	N/A	
-			W5	N/A	33	N/A	N/A	N/A	13	N/A	N/A	
-		Living room/R2	W6	N/A	36	N/A	N/A	N/A	10	N/A	N/A	
-			W7	N/A	11	N/A	N/A	N/A	0	N/A	N/A	
-			Living room/R3	W8	N/A	48	N/A	N/A	N/A	14	N/A	N/A
-		W9		N/A	14	N/A	N/A	N/A	5	N/A	N/A	
-		Bedroom/R4	W10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-			W11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-		Bedroom/R5	W12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-			W13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
-	Bedroom/R6	W14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
-		W15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
-	Bedroom/R7	W16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
-		W17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
-	Bedroom/R8	W18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
-		W19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
-	Bedroom/R9	W20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
-		W21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

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