

PROPOSED DEVELOPMENT INTERNAL DAYLIGHT & SUNLIGHT STUDY

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PROPOSED DEVELOPMENT

Project Ref: 197 KR (Rev 1)

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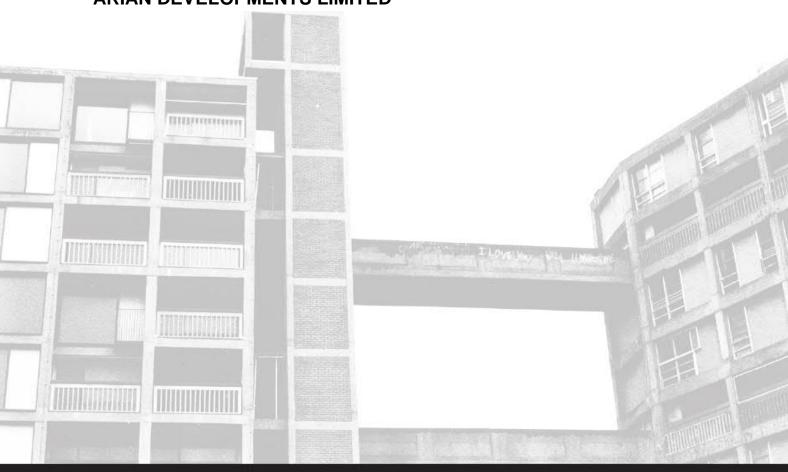
of

197 KENTISH TOWN ROAD, LONDON, NW5

on behalf of

relating to the

ARIAN DEVELOPMENTS LIMITED



197 Kentish Town Road, London, NW5



Author: Neil Cawood BSc (Hons), MSc, MAPM, MRICS

About CPMC Ltd

CPMC Chartered Surveying Ltd is a multi-disciplinary surveying practice, specialising in rights of light and BRE daylight and sunlight analysis for the planning process, the Party Wall etc Act 1996, access agreements, condition scheduling and crane oversail licences.

We are an industry leading Chartered Surveying practice with considerable experience in relation to resolving 'neighbourly matters' issues and related disputes in all parts of the UK. We have significant experience with regard to the provision of daylight and sunlight assessment criteria and regularly produce comprehensive assessments to aid planning authorities understand the impact of an applicant's site on its neighbours. We are also regularly asked to assess the likely light levels within a proposed developments, so that the likely light levels for future occupants can be better understood.

Our client base is broad and we work with developers, authorities and private individuals in order to effectively manage their neighbourly matters concerns. We are consistently rated 'excellent' by our clients and offer clear and concise advice in relation to this complicated area of surveying practice.



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Section 1: Executive Summary

The purpose of this report is to analyse the predicted natural daylight and sunlight levels within the proposed residential accommodation at 197 Kentish Town Road. The proposed development has been reviewed against the recommended criteria in the BRE 209 Site Layout Planning for Daylight and Sunlight guide.

The importance of applying daylight and sunlight advice flexibly is increasingly recognised and was stated in the recent National Planning Policy Framework (NPPF) draft revisions, and the NPPG 'Effective Use of Land' guidance (July 2019).

In this case the results for both daylight and sunlight are positive, and the development demonstrates a <u>high level of compliance</u> with the BRE Guide, particularly for a scheme found in in a dense urban environment such as Kentish Town.



Section 2: Introduction

The purpose of this report is to assess the natural daylight levels in the proposed habitable rooms within 197 Kentish Town Road, London, NW5.

This report considers the daylight issues against the criteria set out for national guidance in the following publications:

• Site Layout Planning for Daylight & Sunlight (SLPDS), PJ Littlefair 2011 published by the BRE (Building Research Establishment).

The SLPDS is the culmination of research undertaken by the BRE to determine whether or not a new development will achieve acceptable levels of internal daylight. The BRE tests are approved by the Department of the Environment and are widely used by local authorities when deciding on development applications.

• BS 8206-2- Code of practice for skylighting.

There are no minimum mandatory requirements for daylighting in Building Regulations for England & Wales but the guidance set out in the BRE SLPDS (2011) is widely accepted as the approved methodology when calculating light levels in habitable rooms.



Section 3: Description of the Development

The scheme comprises of the extension, remodelling and conversion of the existing premises to form commercial space and residential accommodation.

The property is located on the west side of Kentish Town Road and is situated amongst a number of other similarly sized houses adjoining the road.

The assessment is based on the following drawings, provided by GBS Architectural:

• 2018-026 3D Rev N

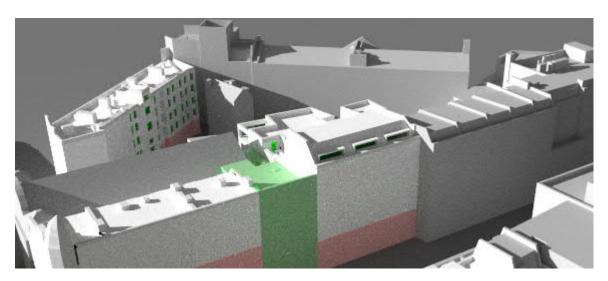


Fig. 1 - Image of the existing (green) site model (terrain not shown)

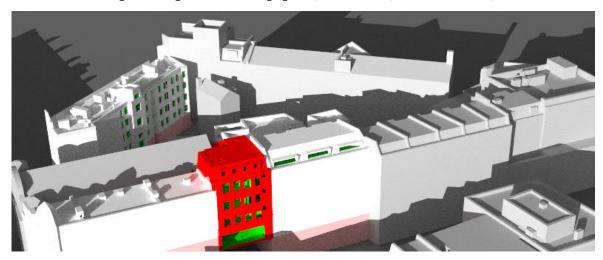


Fig. 2 - Image of the proposed (red) site model (terrain not shown)



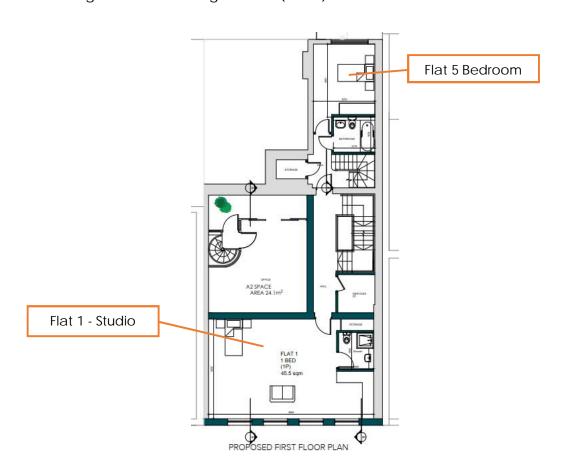
Section 4: Assessment Process

The guidance states that rooms to be assessed should be living rooms, kitchens and bedrooms in residential properties. In non-domestic buildings rooms where occupants 'have a reasonable expectation of daylight' should be assessed. Although these spaces are not defined, examples are given of the type of non-domestic buildings that would normally fall into this category. These include schools, hospitals, hotels and hostels, small workshops and some offices.

It is important to note that the numerical values in the guidance are purely advisory and different criteria may be used based on the requirements for daylighting in an area viewed against other site layout constraints.

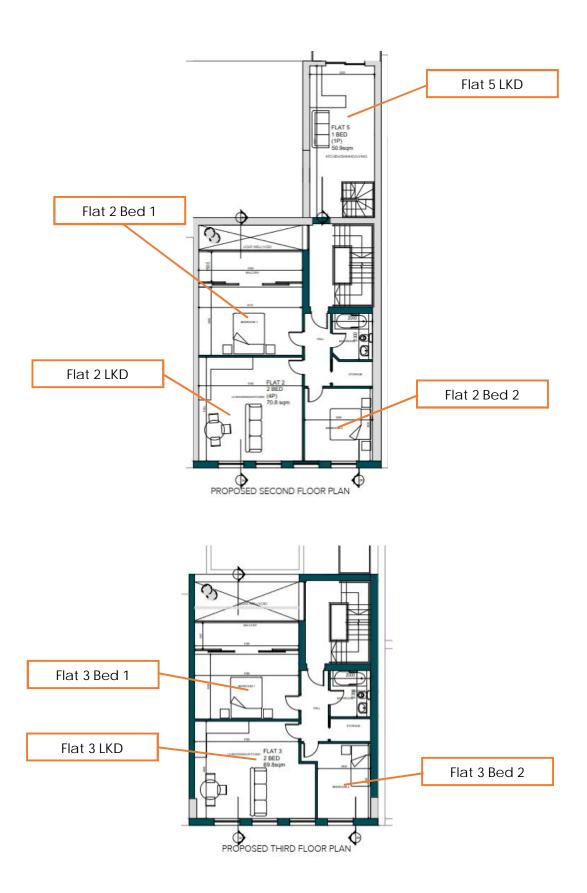
The two parameters we have assessed are:

- Average Daylight Factor (ADF)
- Room Depth Criteria (RDC)
- Daylight Distribution (DD)¹
- Average Probable Sunlight Hours (APSH)



¹ Also known as the 'No-Sky Line'







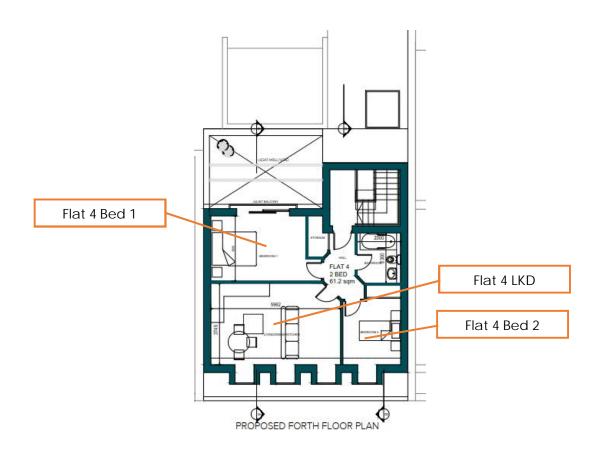


Fig. 3 – Floor plans and flat / room references



Section 5: The Amount of Daylight in the Proposed Development:

Average Daylight Factors (ADF)

The BRE guidance states daylight provision may be checked by using the Average Daylight Factor. The ADF is a measure of the overall amount of daylight in a space.

BS 8206-2 Code of Practice for Daylighting recommends the following values for residential buildings:

Kitchens 2%

Living Rooms 1.5%

Bedrooms 1%

Other non-habitable rooms need not be assessed.

The calculation of the Average Daylight Factor takes into account the following variables:

- The diffuse visible transmittance of the glazing (we have assumed a figure of 0.68 for standard clear double glazing)
- A maintenance factor, allowing for the effects of dirt
- The net glazed area of the window
- The total area of the room surfaces
- The average reflectance of the rooms (we have assumed a light-coloured room with a value of 0.5)

Results

Our results show that all rooms assessed achieve ADF values above the BRE guidelines. We have reduced the test area for the Living, kitchen, dining space (LKD) within flat 5, but we have ensured that the entire seating and kitchen areas have been tested (Fig. 4). This approach has been deemed to be acceptable by The Planning Inspectorate (APP/G5180/W/17/3178436) and the area outside this is circulation space.

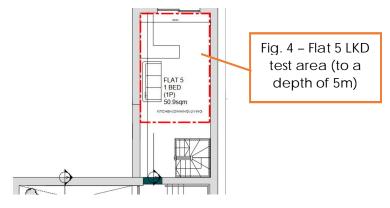


Fig. 4 – Flat 5 Living / Dining / Kitchen test area (kitchen and seating area)



Room Depth Criteria

The BRE guidance states that if a daylit room is lit by windows in one wall only, the depth of the room should not exceed the limiting value given by:

$$\frac{L}{W} + \frac{L}{H} < \frac{2}{1 - R_b}$$

Where:

L is the room length

W is the room width

H is the window head height above floor level

R_b is the average reflectance of surfaces in the rear half of the room (away from the window)

Results

Calculations were undertaken in accordance with the procedures shown in SLPDS. Our results show that all rooms assessed achieve Room Depth Criteria values better than the BRE target threshold.



Daylight Distribution (also known as the 'no sky line')

The no sky line effectively divides the points on the working plane (0.85m high for residential properties and 0.7m high for relevant other buildings) that cannot see the sky. Therefore areas beyond the no sky line will receive no direct daylight but will instead be lit from reflected light.

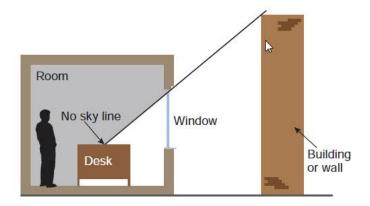


Fig. 5 - Excerpt taken from the BRE 209 Guide

In the case of new accommodation, it is recommended (paragraph C16 of the BRE Guide) that no more than 20 percent of the working plane lies beyond the no sky line or the daylight distribution will look poor and supplementary electric lighting will be required.

Results

Calculations were undertaken in accordance with the procedures shown in SLPDS. All proposed rooms pass this test.



Section 6: Sunlight

For new accommodation the BRE recommend that at least one main window faces within 90 degrees of due south and the centre of at least one window to a main living room can receive 25 percent of annual probable sunlight, including 5 percent of annual probable sunlight hours in the winter months (21st September to 21st March).

In this case, we have assessed the LKD rooms for the new residential accommodation.

Results

Calculations were undertaken in accordance with the procedures shown in SLPDS. All rooms have windows that receive sufficient annual and winter sunlight hours, with the exception of Flat 5. However, it is recognised by the BRE Guide and Housing Supplementary Planning Guidance that it is unlikely that all units are likely to pass in a dense urban environment. We believe that the results are not only acceptable, but also demonstrate a high level of compliance for a central London scheme.





Appendix 1

Results

Average Daylight Factor (ADF)

Fig. 10 Fig. 27 Control Cont																
Fig. Residential March Late Residential March Late Residential March Late Residential March Late March	ר Road - Ay	verage Daylight Fa	ictor (ADF) Results													
Fig.1 Residential LKO WI 0.66 0.72 12.4 77.25 77.25 0.59 1.00 0.61 WILLIAM 0.66 0.72 12.4 77.25 77.25 0.59 1.00 0.61 WILLIAM 0.66 0.72 12.4 77.25 77.25 0.59 1.00 0.61 WILLIAM 0.66 0.72 12.4 77.25 77.25 0.59 1.00 0.61 WILLIAM 0.66 0.72 12.4 77.25 77.25 0.59 1.00 0.61 WILLIAM 0.66 0.72 12.4 77.25 77.25 0.59 1.00 0.61 WILLIAM 0.66 0.72 12.4 77.25 77.25 0.59 1.00 0.61 WILLIAM 0.66 0.72 12.4 77.25 77.25 0.59 1.00 0.61 WILLIAM 0.66 0.72 12.4 77.25 77.25 0.59 1.00 0.61 WILLIAM 0.66 0.72 12.4 77.25 77.25 0.59 1.00 0.61 WILLIAM 0.66 0.72 12.4 77.25 77.25 0.59 1.00 0.61 WILLIAM 0.66 0.72 12.4 77.25 77.25 0.59 1.00 0.61 WILLIAM 0.66 0.72 12.4 77.25 0.59 1.00 0.61 WILLIAM 0.66 0.72 12.4 77.25 0.59 1.00 0.65 1.00 0.61 WILLIAM 0.66 0.72 12.4 6.62 0.72 0.69 0.72 0.69 0.72 0.72 0.72 0.72 0.72 0.72 0.72 0.72	Room Ref.		Property Type	Room Use.		Glass Transmittance	Maintenance Factor	Glazed	Clear Sky Angle Existing		Average Surface Reflectance	Below Working Plane	ADF Proposed	Req'd Value		leets BRE Criteria
Fig. 1 Residential LKD WH 0.66 0.92 124 77.55 0.55 0.56 1.00 0.61						197 Keni	tish Town Road									
Fig15 Residential Bedroom W5-1 0.68 0.92 1.24 77.23 77.23 0.58 1.00 0.61	R1	Flat1	Residential	LKD	W1	0.68	0.92	1.24	77.55	77.55	0.58	1.00	0.61			
FBIZ Residential Bedroom W5-1 0.66 0.92 1.33 33.94 33.94 0.56 1.00 1.00 1.00					W3	0.68	0.92	1.24	77.23	77.23	0.58	1.08	0.61			
Field Residential Bedroom W5-L 0.66 0.92 1.33 33.04 0.350 0.58 1.00 1.04 1.00 1					W4	89.0	0.92	1.24	77.02	77.02	0.58	1.00	0.61	2.00	1.00	YES
Flat2 Residential LKO WT 0.66 0.92 1.46 83.10 83.10 0.58 1.00 1.04 1.00	R2	Flat5	Residential	Bedroom	W5-L	89.0	0.92	1.33	33.04	33.04	0.58	0.15	0.10	i	2	2
Fig12 Residential LKD W1 0.66 0.92 1.46 82.99 82.99 0.58 1.00 1.04					W5-U	89.0	0.92	2.34	28.37	28.37	0.58	1.00	1.04	1.00	1.00	YES
Fig. 2 Residential Bedroom W5-L 0.66 0.92 1.46 82.99 0.58 1.00 1.04 1.00 1	R1	Flat2	Residential	LKD	W1	89.0	0.92	1.46	83.10	83.10	0.58	1.00	1.04			
Fig12 Residential Bedroom W5-1 0.68 0.92 35.5 33.50 0.58 1.00 4.62 1.00 4.					W2	89.0	0.92	1.46	82.99	82.99	0.58	1.00	1.04	2.00	1.00	YES
Field Residential Bedroom W3 0.68 0.92 8.06 55.39 55.39 0.58 1.00 1.00 1.00	R2	Flat2	Residential	Bedroom	M2-L	89.0	0.92	3.53	33.50	33.50	0.58	0.15	0.18			
Flat2 Residential Bedroom W3 0.68 0.92 1.46 82.69 6.58 1.00 1.93 1.00					W2-U	89.0	0.92	8.06	55.39	55.39	0.58	1.00	4.62	1.00	1.00	YES
Flat5 Residential LKD W4-L 0.66 0.92 1.43 48.41 48.41 0.58 0.15 0.15 1.20 1.00	R3	Flat2	Residential	Bedroom	W3	89.0	0.92	1.46	82.69	82.69	0.58	1.00	1.93	100	5	VEC
M4-U 0.68 0.92 1.31 83.75 6.39 0.58 1.00 1.87 Flat3 Residential LKD W1 0.68 0.92 1.31 83.75 83.75 0.58 1.00 0.98 W2 0.68 0.92 1.31 83.75 83.75 0.58 1.00 0.98 W6 0.68 0.92 1.31 83.75 83.75 0.58 1.00 0.98 W7 0.68 0.92 1.31 81.48 81.48 0.58 1.00 0.98 W7 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W7 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W1 <td< td=""><td>R4</td><td>Flat5</td><td>Residential</td><td>LKD</td><td>W4-L</td><td>99.0</td><td>0.92</td><td>1.43</td><td>48.41</td><td>48.41</td><td>0.58</td><td>0.15</td><td>0.13</td><td>8</td><td>3</td><td>3</td></td<>	R4	Flat5	Residential	LKD	W4-L	99.0	0.92	1.43	48.41	48.41	0.58	0.15	0.13	8	3	3
Flat3 Residential LKD W1 0.68 0.92 1.31 83.75 83.75 0.58 1.00 0.98 1.00 0.98 1.00 0.98 1.31					W4-U	89.0	0.92	2.69	53.98	53.98	0.58	1.00	1.87		-	
Flat3 Residential LKD W1 0.68 0.92 1.31 83.75 83.75 0.58 1.00 0.98													2.01	2.00	1.00	YES
W2 0.68 0.92 1.31 83.75 83.75 0.58 1.00 0.98 W6 0.68 0.92 1.31 83.75 83.75 1.00 0.98 W7 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W9 0.68 0.92 3.75 5.84 5.84 0.58 1.00 0.77 M11 0.68 0.92 4.56 83.46 0.58 1.00 4.61 W11 0.68 0.92 4.56 83.46 0.58 1.00 4.61 W11 0.68 0.92 1.27 83.76 0.58 1.00 1.00 W11 0.68 0.92 0.74 81.48 81.48 0.58 1.00 1.00 W1 0.68 0.92 0.74 81.48 81.48 0.58 <td>R1</td> <td>Flat3</td> <td>Residential</td> <td>LKD</td> <td>W1</td> <td>89.0</td> <td>0.92</td> <td>1.31</td> <td>83.75</td> <td>83.75</td> <td>0.58</td> <td>1.00</td> <td>86.0</td> <td></td> <td></td> <td></td>	R1	Flat3	Residential	LKD	W1	89.0	0.92	1.31	83.75	83.75	0.58	1.00	86.0			
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W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.57 W8-U 0.68 0.92 6.22 59.71 59.71 0.58 1.00 4.73 W11 0.68 0.92 1.27 83.76 83.46 0.58 1.00 1.03 Flat3 Residential Bedroom W4 0.68 0.92 1.27 83.76 0.58 1.00 1.03 W9 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 0.58 1.00 0.53					9M	0.68	0.92	0.74	81.48	81.48	0.58	00.1	0.53			
W8 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W10 0.68 0.84 0.65 N/A N/A 0.61 1.00 0.77 Flat3 Residential Bedroom W4 0.68 0.92 1.27 83.76 83.46 0.58 1.00 1.03 Flat4 Residential LKD W6 0.68 0.92 0.74 81.48 81.48 0.58 1.00 1.03 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 1.03 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 81.48 0.58 1.00 0.53					W7	89.0	0.92	0.74	81.48	81.48	0.58	1.00	0.53			
Flat3 Residential Bedroom W5-L 0.68 0.92 3.52 55.84 55.84 0.58 1.00 0.7/7 1.00					8M	89.0	0.92	0.74	81.48	81.48	0.58	1.00	0.53			
Flat3 Residential Bedroom W5-L 0.68 0.92 5.584 55.84 0.58 0.15 0.37 W5-U 0.68 0.92 6.22 59.71 59.71 0.58 1.00 4.61 W11 0.68 0.92 4.56 83.46 0.58 1.00 4.73 Flat3 Residential Bedroom W4 0.68 0.92 1.27 83.76 83.76 0.58 1.00 1.03 W9 0.68 0.92 0.74 81.48 0.58 1.00 1.03 Flat4 Residential LKD W6 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W7 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 0.58 1.00 0.53					0 ^	0.08	0.84	0.65	N/A	N/A	0.61	00:	5.30	2.00	1.00	YES
W5-U 0.68 0.92 6.22 59.71 59.71 0.58 1.00 4.61 W11 0.68 0.92 4.56 83.46 0.58 1.00 4.73 Flat3 Residential Bedroom W4 0.68 0.92 1.27 83.76 0.58 1.00 1.83 W9 0.68 0.92 0.74 81.48 0.58 1.00 1.03 W7 0.68 0.92 0.74 81.48 0.58 1.00 1.03 W7 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 0.58 1.00 0.53	R2	Flat3	Residential	Bedroom	M2-L	89.0	0.92	3.52	55.84	55.84	0.58	0.15	0.37			
Flat3 Residential Bedroom W4 0.68 0.92 1.27 83.76 83.76 0.58 1.00 4.73 1.00 1.00 1.00					W5-U	89.0	0.92	6.22	59.71	59.71	0.58	1.00	4.61			
Flat3 Residential Bedroom W4 0.68 0.92 1.27 83.76 83.76 0.58 1.00 1.83 Flat4 Residential LKD W6 0.68 0.92 0.74 81.48 0.58 1.00 1.03 Flat4 Residential LKD W6 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W10 0.68 0.92 0.74 81.48 0.58 1.00 0.53					W11	89.0	0.92	4.56	83.46	83.46	0.58	1.00	4.73	1.00	1.00	YES
W9 0.68 0.92 0.74 81.48 81.48 0.58 1.00 1.03 Flat4 Residential LKD W6 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W10 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W10 0.68 0.92 0.74 81.48 0.58 1.00 0.53	R3	Flat3	Residential	Bedroom	W4	89.0	0.92	1.27	83.76	83.76	0.58	1.00	1.83			
Flat4 Residential LKD W6 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W7 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W10 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W10 0.68 0.84 0.65 N/A N/A 0.62 1.00 0.91					6//	89.0	0.92	0.74	81.48	81.48	0.58	1.00	1.03	1.00	1.00	YES
W7 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W8 0.68 0.92 0.74 81.48 0.58 1.00 0.53 W10 0.68 0.84 0.65 N/A N/A 0.62 1.00 0.91	R1	Flat4	Residential	LKD	W6	89.0	0.92	0.74	81.48	81.48	0.58	1.00	0.53			
0.68 0.92 0.74 81.48 0.58 1.00 0.53 0.68 0.84 0.65 N/A N/A 0.62 1.00 0.91					W7	89.0	0.92	0.74	81.48	81.48	0.58	1.00	0.53			
0.68 0.84 0.65 N/A N/A 0.62 1.00 0.91					W8	89.0	0.92	0.74	81.48	81.48	0.58	1.00	0.53			
					W10	89.0	0.84	0.65	N/A	N/A	0.62	1.00	0.91			

197 Kentish T	own Road - Av	197 Kentish Town Road - Average Daylight Factor (ADF) Results	tor (ADF) Results													
Floor Ref.	Room Ref.	Room Ref. Room Attribute Property Type	Property Type	Room Use.	Window Ref.	Glass Transmittance	Maintenance Factor	Glazed Area	Clear Sky Angle Existing	Clear Sky Angle Proposed	Clear Sky Average Angle Angle Surface Existing Proposed Reflectance	Below Working Plane Factor	ADF Proposed	Req'd Value	Pr/Ex	Meets BRE Criteria
Fourth	R2	Flat4	Residential	Bedroom	W11-L	89'0	0.92	1.65	31.18	31.18	0.58	0.15	0.12			
					W11-U	89.0	0.92	2.91	83.46	83.46	0.58	1.00	3.78	•		
													3.90	1.00	1.00	YES
Fourth	R3	Flat4	Residential	Bedroom	6/\	89.0	0.92	0.74	81.48	81.48	0.58	1.00	1.17			
													1.17	1.00	1.00	YES



Room depth Criteria (RDC)



Room Depth Analysis for Daylighting

Site:	197 Kentish Town Road
Date:	Nov-19

Room	Depth of	Width of	Window Head Height	Average Reflectance of		Limiting	Pass or
	Room (m)	Room (m)	Above Floor Level (m)	Surfaces at Rear of Room		Value	Fail?
	[7]	[M]	[H]	(R_b)	[(TW)+(TH)]	[2/(1-R _b)]	
Flat 1 - Studio	5.25	89.8	2.50	0.58	2.70	4.76	PASS
Flat 2 - LKD	5.18	5.18	2.80	0.58	2.85	4.76	PASS
Flat 2 - Bed 1	3.4	5.11	2.40	0.58	2.08	4.76	PASS
Flat 2 - Bed 2	3.63	3.39	2.80	0.58	2.37	4.76	PASS
Flat 3 - LKD	4.84	5.18	2.50	0.58	2.87	4.76	PASS
Flat 3 - Bed 1	3.23	5.18	2.40	0.58	1.97	4.76	PASS
Flat 3 - Bed 2	3.73	2.64	2.50	0.58	2.90	4.76	PASS
Flat 4 - LKD	3.74	96'9	2.20	0.58	2.33	4.76	PASS
Flat 4 - Bed 1	3	4.35	2.20	0.58	2.05	4.76	PASS
Flat 4 - Bed 2	3	2.6	2.20	0.58	2.52	4.76	PASS
Flat 5 - Bed	3.85	3.23	2.40	0.58	2.80	4.76	PASS
Flat - LKD	2	3.23	2.40	0.58	3.63	4.76	PASS



Daylight Distribution / No Sky Line (DD)

197 Kentish Town Road - Daylight Distribution (DD) Results

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.		Lit Area Proposed	Meets BRE Criteria
			197 Kentish Towr	n Road			
First	R1	Flat1	Residential	LKD	Area m2	39.01	
					% of room	98%	YES
	R2	Flat5	Residential	Bedroom	Area m2	11.79	
					% of room	94%	YES
Second	R1	Flat2	Residential	LKD	Area m2	28.18	
					% of room	96%	YES
	R2	Flat2	Residential	Bedroom	Area m2	22.16	
					% of room	100%	YES
	R3	Flat2	Residential	Bedroom	Area m2	10.95	
					% of room	91%	YES
	R4	Flat5	Residential	LKD	Area m2	21.41	
					% of room	99%	YES
Third	R1	Flat3	Residential	LKD	Area m2	25.58	
					% of room	96%	YES
	R2	Flat3	Residential	Bedroom	Area m2	16.99	
					% of room	100%	YES
	R3	Flat3	Residential	Bedroom	Area m2	8.67	
					% of room	86%	YES
Fourth	R1	Flat4	Residential	LKD	Area m2	22.19	
					% of room	93%	YES
	R2	Flat4	Residential	Bedroom	Area m2	10.33	
					% of room	95%	YES
	R3	Flat4	Residential	Bedroom	Area m2	7.08	
					% of room	85%	YES



Average Probable Sunlight Hours (APSH)

loor Ref.	Room Ref.	Room Attribute	Property Type	Room Use.	Window Ref.	VSC	Meets BRE Criteria	Window Orientation	Annual	Meets BRE Criteria	Winter	Meets BRI Criteria
				197 Ke	entish Town	Road						
First	R1	Flat1	Residential	LKD	W1	N/R	N/A	100°	51	YES	15	YES
11131		11011	residential	LIND	W2	N/R	N/A	100°	51	YES	15	YES
					W3	N/R	N/A	100°	51	YES	15	YES
					W4	N/R	N/A	100°	50	YES	14	YES
Second	R1	Flat2	Residential	LKD	W1	N/R	N/A	100°	52	YES	15	YES
					W2	N/R	N/A	100°	52	YES	15	YES
	R4	Flat5	Residential	LKD	W4	N/R	N/A	280°N	13	NO	0	NO
Third	R1	Flat3	Residential	LKD	W1	N/R	N/A	100°	50	YES	15	YES
					W2	N/R	N/A	100°	50	YES	15	YES
					W3	N/R	N/A	100°	50	YES	15	YES
					W6	N/R	N/A	100°	58	YES	18	YES
					W7	N/R	N/A	100°	58	YES	18	YES
					W8	N/R	N/A	100°	58	YES	18	YES
					W10	N/R	N/A	10°N	100	YES	30	YES
Fourth	R1	Flat4	Residential	LKD	W6	N/R	N/A	100°	58	YES	18	YES
					W7	N/R	N/A	100°	58	YES	18	YES
					W8	N/R	N/A	100°	58	YES	18	YES
					W10	N/R	N/A	10°N	100	YES	30	YES

Notes:

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We are not aware of any conflicts of interest between ourselves and any other party concerning this project.

Where required we may have adjusted the room area to remove door or circulation space.