



RIGHT OF LIGHT
CONSULTING
Chartered Surveyors

Daylight and Sunlight Report

(Within Development)

19 August 2022

Brunel Walk
London
N15 5HQ

Right of Light Consulting Ltd

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

Tel: 0800 197 4836

www.right-of-light.co.uk

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1 EXECUTIVE SUMMARY

1.1 Overview

- 1.1.1 Right of Light Consulting has been commissioned by The London Borough of Haringey to undertake a daylight and sunlight assessment in connection with the development at Brunel Walk, London N15 5HQ. The aim of the assessment is to check whether the proposed accommodation will provide its future occupiers with adequate levels of natural light.
- 1.1.2 The assessment is based on the numerical tests laid down in the Building Research Establishment (BRE) guide 'Site Layout Planning for Daylight and Sunlight: a good practice guide, 2nd Edition' by P J Littlefair 2011.
- 1.1.3 Appendix 1 identifies the windows analysed in this assessment. The no skyline contours for the habitable rooms are also presented in Appendix 1. The numerical results of the BRE daylight and sunlight tests are provided in Appendix 2. Overshadowing to gardens and opens spaces contour drawings are provided in Appendix 3.
- 1.1.4 The numerical results demonstrate that the proposed development design achieves a very high level of compliance with the BRE recommendations. Whilst a small number of rooms and outdoor amenity areas do not meet the recommendations, the results are not unusual in the context of an urban location. In our professional opinion, the proposed design will provide the development's future occupiers with adequate levels of natural light. We consider the proposed development to be consistent with the NPPF, which requires developments to provide acceptable living standards whilst making efficient use of land.

2 INFORMATION SOURCES

2.1 Documents Considered

2.1.1 This report is based on the following drawings:

KC+A

PL_1000	Proposed Site Plan - Full Site	Rev H
PL_1001	Proposed Ground Floor Plan - Full Site	Rev J
PL_1002	Proposed 1st Floor Plan - Full Site	Rev J
PL_1003	Proposed 2nd Floor Plan - Full Site	Rev J
PL_1004	Proposed 3rd Floor Plan - Full Site	Rev I
PL_1200	Block A - Proposed Ground Floor	Rev H
PL_1201	Block A - Proposed First & Second Floor Plan	Rev H
PL_1203	Block A_ Proposed Third Floor Plan	Rev H
PL_1204	Block A - Proposed Roof Plan	Rev D
PL_1300	Blocks B & C - Proposed Ground Floor Plan	Rev H
PL_1301	Blocks B & C - Proposed 1st & 2nd Floor Plans	Rev H
PL_1302	Blocks B & C - Proposed 3rd Floor Plans	Rev H
PL_1303	Blocks B & C - Proposed Roof Plans	Rev D
PL_1500	Block D1 - Flats - Proposed Ground Floor	Rev E
PL_1501	Block D1 - Flats - Proposed First Floor	Rev E
PL_1502	Block D1 - Flats - Proposed Second Floor	Rev E
PL_1503	Block D1 - Flats - Proposed Roof Plan	Rev A
PL_1504	Block D1 - Flats – Wheelchair Apartments	Rev C
PL_1600	Block D2 - Mews - Proposed Ground Floor	Rev C
PL_1601	Block D2 - Mews - Proposed First Floor	Rev C
PL_1602	Block D2 - Mews - Proposed Second Floor	Rev C
PL_1604	Block D2 - Mews - proposed roof plan	Rev B
PL_1605	Block D2 - Mews - Proposed Elevations	Rev C
PL_2000	Proposed Site Sections 1	Rev F
PL_2001	Proposed Site Sections 2	Rev F
PL_3100	Proposed Site Elevations	Rev J
PL_3200	Block A Proposed Elevations	Rev G
PL_3201	Proposed Site Elevations - Block A North & South	Rev H
PL_3202	Proposed Site Elevations - Block A East & West	Rev H
PL_3300	Blocks B & C - Proposed Elevations	Rev G
PL_3301	Proposed Elevations - Blocks B - North & South	Rev G
PL_3302	Proposed Side Elevations - Blocks B - East & West	Rev G

PL_3401	Proposed Side Elevations - Blocks C - North & South	Rev G
PL_3402	Proposed Side Elevations - Blocks C - East & West	Rev G
PL_3500	Block D1 & D2 - Proposed Elevations	Rev D
PL_3501	Proposed Side Elevations - Blocks D - North & South	Rev H
PL_3502	Proposed Side Elevations - Blocks D - East & West	Rev I
PL_6001	Block A - Axonometric view	Rev B
PL_6002	Blocks B & C - Axonometric views	Rev A
PL_6003	Block D - Axonometric views 01	Rev C
PL_6004	Block D - Axonometric views 02	Rev C
PL_SK01	Block A - Wheelchair Apartment	Rev B
PL_SK02	Block B & C - Wheelchair Apartment	Rev B

3 METHODOLOGY OF THE ASSESSMENT

3.1 Local Planning Policy

3.1.1 We understand that the Local Authority takes the conventional approach of considering daylight and sunlight amenity with reference to the various numerical tests laid down in the Building Research Establishment (BRE) guide 'Site Layout Planning for Daylight and Sunlight: a guide to good practice, 2nd Edition' by P J Littlefair 2011. We have therefore applied the numerical tests within this edition of the BRE guide. A new European standard BS EN 17037 'Daylight in Buildings' was published in May 2019. An update to the BRE guide to take into account the European standard was published on 8 June 2022. We anticipate that Local Authorities will begin adopting the updated BRE guidance after a period of transition.

3.1.2 The standards set out in the BRE guide are intended to be used flexibly. The BRE guide states:

"The guide is intended for building designers and their clients, consultants and planning officials. The advice given here is not mandatory and the guide should not be seen as an instrument of planning policy; its aim is to help rather than constrain the designer. Although it gives numerical guidelines, these should be interpreted flexibly, since natural lighting is only one of many factors in site layout design."

3.2 National Planning Policy Framework

3.2.1 The BRE numerical guidelines should be considered in the context of the National Planning Policy Framework (NPPF), which stipulates that local planning authorities should take a flexible approach to daylight and sunlight to ensure the efficient use of land. The NPPF states:

"Local planning authorities should refuse applications which they consider fail to make efficient use of land, taking into account the policies in this Framework. In this context, when considering applications for housing, authorities should take a flexible approach in applying policies or guidance relating to daylight and sunlight, where they would otherwise inhibit making efficient use of a site (as long as the resulting scheme would provide acceptable living standards)."

3.3 Interior Daylighting

- 3.3.1 The interior daylighting recommendations set out in the BRE guide are based on British Standard BS 8206 Part 2 and the Chartered Institute of Building Services Engineers Applications Manual on window design. Collectively, the guides set out three main criteria for interior daylighting. These are summarised as follows:

Test 1 - Average Daylight Factor

- 3.3.2 The Average Daylight Factor (ADF) can be calculated using the following formula:

$$df = \frac{T A_w \theta}{A (1-R^2)} \%$$

where

T is the diffuse visible transmittance of the glazing
A_w is the net glazed area of the window (m²)
A is the total area of the room surfaces (m²)
R is their average reflectance
θ is the angle of visible sky in degrees

- 3.3.3 The ADF test is applied to habitable rooms within domestic properties. A kitchen is generally deemed to be a habitable room if it is large enough to accommodate a dining area. If the kitchen is small, or if the property has a separate dining area, then the accepted practice is to treat the kitchen as a non-habitable room.
- 3.3.4 For the purpose of this assessment, we have assumed BRE internal reflectance coefficients pertaining to medium wooden floors (0.4), light painted walls (0.8) and matt white painted ceilings (0.85).
- 3.3.5 We have assumed that each window is double-glazed and has a glazed area that equates to 80% of the structural opening size. A glazing transmittance value, inclusive of a maintenance to allow for the effect of dirt and grime on the glazing, of 0.68 has been used.
- 3.3.6 To achieve a predominately daylit appearance, the guide recommends an ADF of 5% or more if there is no supplementary electric lighting, or 2% or more if supplementary lighting is provided. The guide also gives minimum recommendations for dwellings of 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. The minimum targets have been adopted for the purpose of this assessment.

-
- 3.3.7 The BRE guide does not give guidance on how to apply the ADF test to spaces which contain a mix of room uses e.g. open plan living, dining and kitchen areas. For this assessment we have set a target of 2% with the aim of reaching the predominately daylit benchmark.
- 3.3.8 A special procedure is required for floor to ceiling windows such as patio doors. If part of a window is below the height of the working plane (a horizontal plane 0.85m above the floor in housing), this portion should be treated as a separate window. The ADF for this window has an extra factor applied to it, to take account of the reduced effectiveness of low level glazing in lighting the room. A value equal to the floor reflectance may be taken for this factor. The ADF for the portion of the window above the working plane is calculated in the normal way without this additional factor, and the ADFs for the two portions are added together.
- 3.3.9 Reflected light can be factored into the ADF calculation. For example, where a window has a large obstruction in front of it, the angle of visible sky can be increased by around 6°, assuming the obstruction is painted a light colour.

Test 2 - Room Depth

- 3.3.10 If a daylit room is lit by windows in one wall only, the depth of the room L should not exceed the limiting value given by:

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

where

W is the room width

H is the window-head height above floor level

R_b is the average reflectance of the surfaces in the rear half of the room

Test 3 - Position of the no skyline (Daylight Distribution)

- 3.3.11 If a significant area of the working plane lies beyond the no skyline (i.e. it receives no direct skylight), then the distribution of daylight in the room will look poor and supplementary electric lighting will be required.

3.3.12 The no skyline assessment is not applicable where a room derives its daylight solely from a light well or atrium. In these situations, the room relies on borrowed light instead of direct skylight.

3.4 Sunlight to Windows

3.4.1 The BRE guide states that, in general, a dwelling or non-domestic building which has a particular requirement for sunlight, will appear reasonably sunlit if:

- at least one main window wall faces within 90 degrees of due south, and
- the centre of at least one window to a main living room can receive 25% of annual probable sunlight hours, including at least 5% of the annual probable sunlight hours during the winter months between 21st September and 21st March.

3.4.2 The guide states that, where groups of dwellings are planned, site layout design should aim to maximise the number of dwellings with a main living room that meets the above recommendations.

3.4.3 The guide states that sunlight is viewed as less important in kitchens and bedrooms.

3.5 Overshadowing to Gardens and Open Spaces

3.5.1 The availability of sunlight should be checked for all open spaces where sunlight is required. This would normally include:

- Gardens, usually the main back garden of a house
- Parks and playing fields
- Children's playgrounds
- Outdoor swimming pools and paddling pools
- Sitting out areas, such as those between non-domestic buildings and in public squares
- Focal points for views such as a group of monuments or fountains.

3.5.2 The BRE guide recommends that, for an open space to appear adequately lit throughout the year, at least 50% of its area should receive two hours of sunlight on 21st March.

4 RESULTS OF THE ASSESSMENT

4.1 Window Reference Points and No Skyline Contours

- 4.1.1 Appendix 1 identifies the positions of the windows analysed in this assessment. The no skyline contours for the habitable rooms are also presented in Appendix 1.

4.2 Daylight & Sunlight Data

- 4.2.1 The numerical results of the BRE daylight and sunlight tests are provided in Appendix 2. Overshadowing to gardens and opens spaces contour drawings are provided in Appendix 3.

4.3 Interior Daylighting

- 4.3.1 Around 93% of all rooms achieve or surpass their Average Daylight Factor (ADF) targets. 11 out of the 163 rooms fall short of the targets. However, as explained in paragraphs 3.3.6 and 3.3.7 of this report, whilst the BRE guide gives minimum targets for living rooms, bedrooms and kitchens, no equivalent target is given for open plan rooms comprising two or more uses. Therefore, we have adopted the more onerous 2% target for these rooms. 2 of the 11 rooms that do not achieve an ADF of 2%, achieve an ADF of 1.5%, which is the minimum recommended target for living rooms. 2 open plan rooms achieve ADFs of between 1.7% and 1.8%. The remaining 9 rooms are kitchens, where the minimum ADF target is 2%. These kitchens achieve ADFs of between 1.1% and 1.8%. The BRE guide states “Non-daylit internal kitchens should be avoided wherever possible, especially if the kitchen is used as a dining area too. If the layout means that a small internal galley-type kitchen is inevitable, it should be directly linked to a well daylit living room. In this instance all of the kitchens are linked to well lit living/dining rooms. In overall terms, the ADF scores represent a relatively high level of compliance with the BRE recommendations.
- 4.3.2 All rooms pass the room depth test.
- 4.3.3 The BRE guide does not give fixed numerical pass/fail criteria for the No Skyline test when applied to new dwellings. However, for completeness, we have illustrated the no skyline contours in Appendix 1.

4.4 Sunlight to Windows

4.4.1 The BRE guide acknowledges that, in some cases, it may not be possible for every dwelling to achieve ideal levels of sunlight. The guide explains that, where groups of dwellings are planned, the aim should be to maximise the number of dwellings that:

- have at least one main window that faces within 90 degrees of due south, and
- have at least one window to a main living room that meets the BRE numerical targets.

4.4.2 In the case of the proposed development, 116 of the 163 units have a living room window which faces within 90 degrees of due south of which 22 units have a living room window which meets the BRE numerical targets.

4.4.3 In our opinion, the proposed development represents good site layout design. Since the design maximises sunlight availability, as far as practically possible given the constraints of the site, the BRE direct sunlight to windows recommendations for groups of dwellings have been met.

4.5 Overshadowing to Gardens and Open Spaces

4.5.1 With the exception of three gardens, the results show that for gardens 2 & 4 to 11, 48% or more of the area of each amenity space will receive at least two hours of sunlight on 21 March. This is better than the BRE recommendation which states that at least 50% of any garden or amenity area should receive at least two hours of sunlight on 21 March. However, gardens 3 & 12 achieve 44% and 48% which falls marginally short of the BRE recommendation of 50%. However, the BRE guide is intended to be used flexibly, particularly in urban locations, and in this instance, we are of the opinion that it is unreasonable to expect that all the amenity areas will meet the BRE recommendations given the unavoidable constraints of the site and the obstructions created by the existing neighbouring properties.

4.6 Conclusion

4.6.1 The numerical results demonstrate that the proposed development design achieves a very high level of compliance with the BRE recommendations. Whilst a small number of rooms and outdoor amenity areas do not meet the recommendations, the results are not unusual in the context of an urban location. In our professional opinion, the

proposed design will provide the development's future occupiers with adequate levels of natural light. We consider the proposed development to be consistent with the NPPF, which requires developments to provide acceptable living standards whilst making efficient use of land.

5 CLARIFICATIONS

5.1 General

- 5.1.1 The report provided is solely for the use of the client and no liability to anyone else is accepted.
- 5.1.2 The assessment is limited to assessing daylight, sunlight and overshadowing of the proposed development as set out in section 2.1, 3.1 and 3.3 of the BRE Guide.
- 5.1.3 The assessment is based on the information listed in section 2 of this report and a site visit undertaken on 22 September 2021.
- 5.1.4 We have undertaken the survey following the guidelines of the RICS publication "Surveying Safely". Where limited access is available, assumptions will have been made.
- 5.1.5 This report is based upon and subject to the scope of work set out in Right of Light Consulting's quotation and standard terms and conditions.

APPENDICES

APPENDIX 1

WINDOW KEY & NO SKYLINE CONTOURS



Proposed
Development

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Proposed
Development

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Proposed
Development

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Proposed
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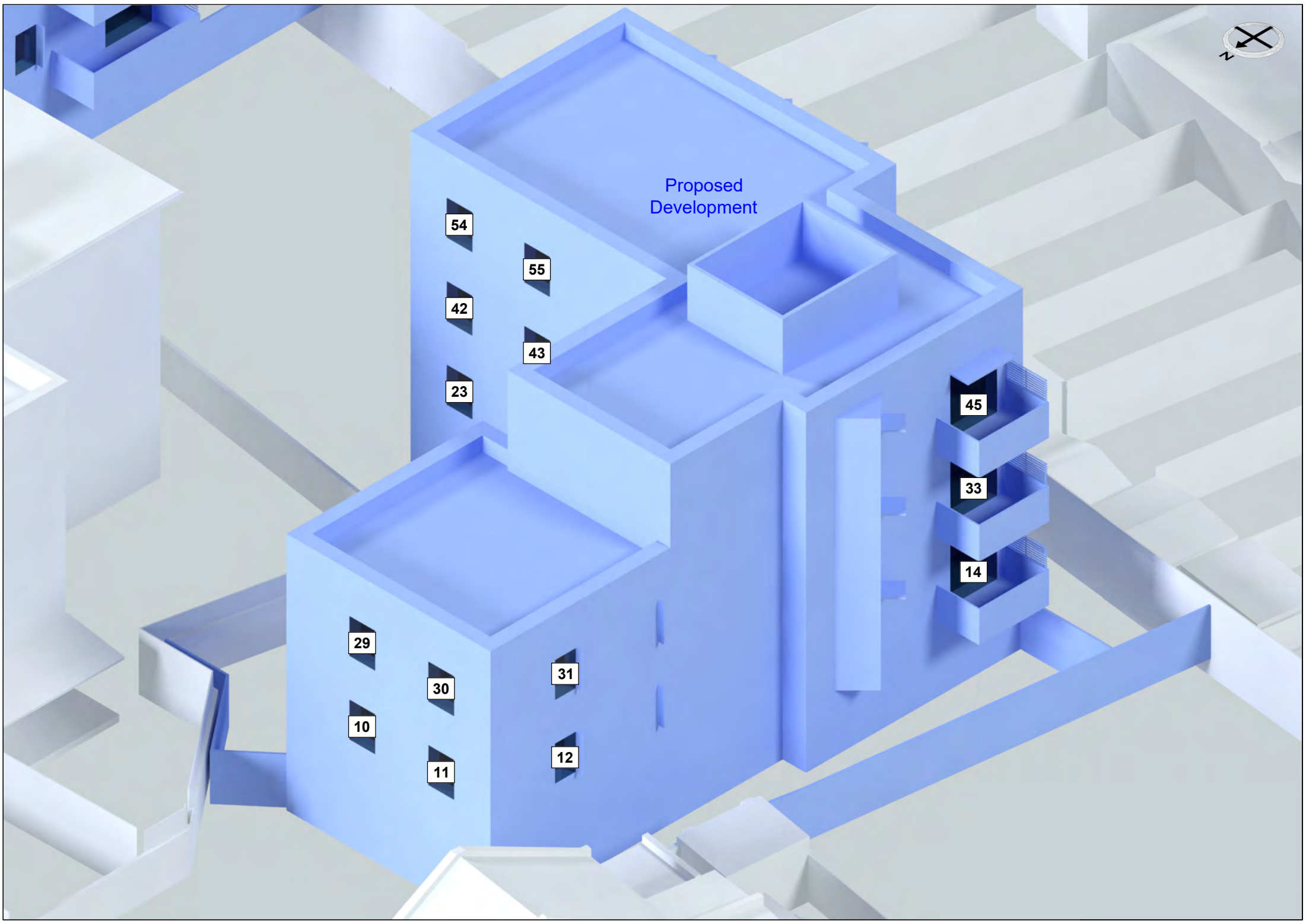
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Proposed Development

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Proposed
Development

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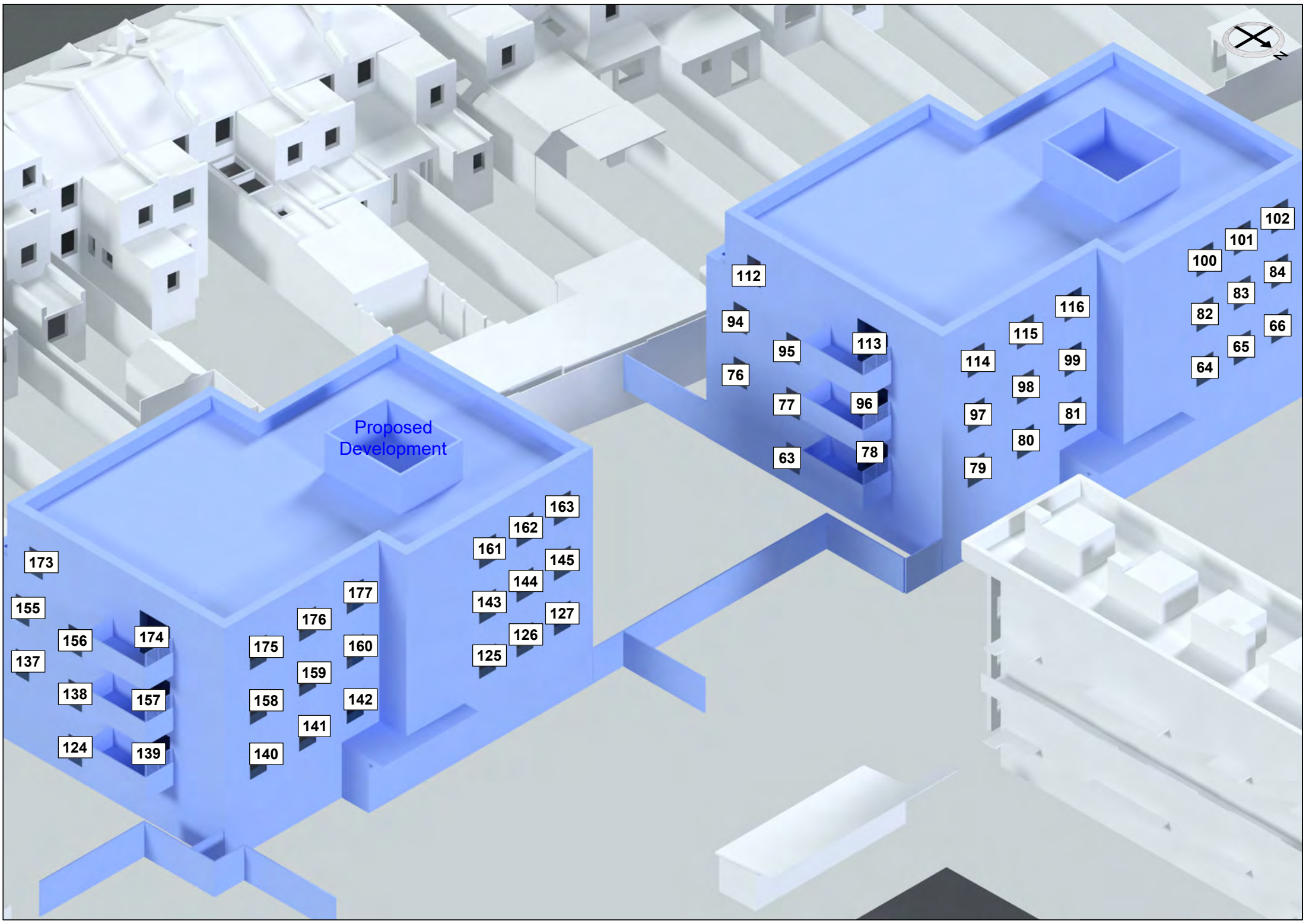
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Proposed
Development



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Proposed
Development

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Proposed
Development

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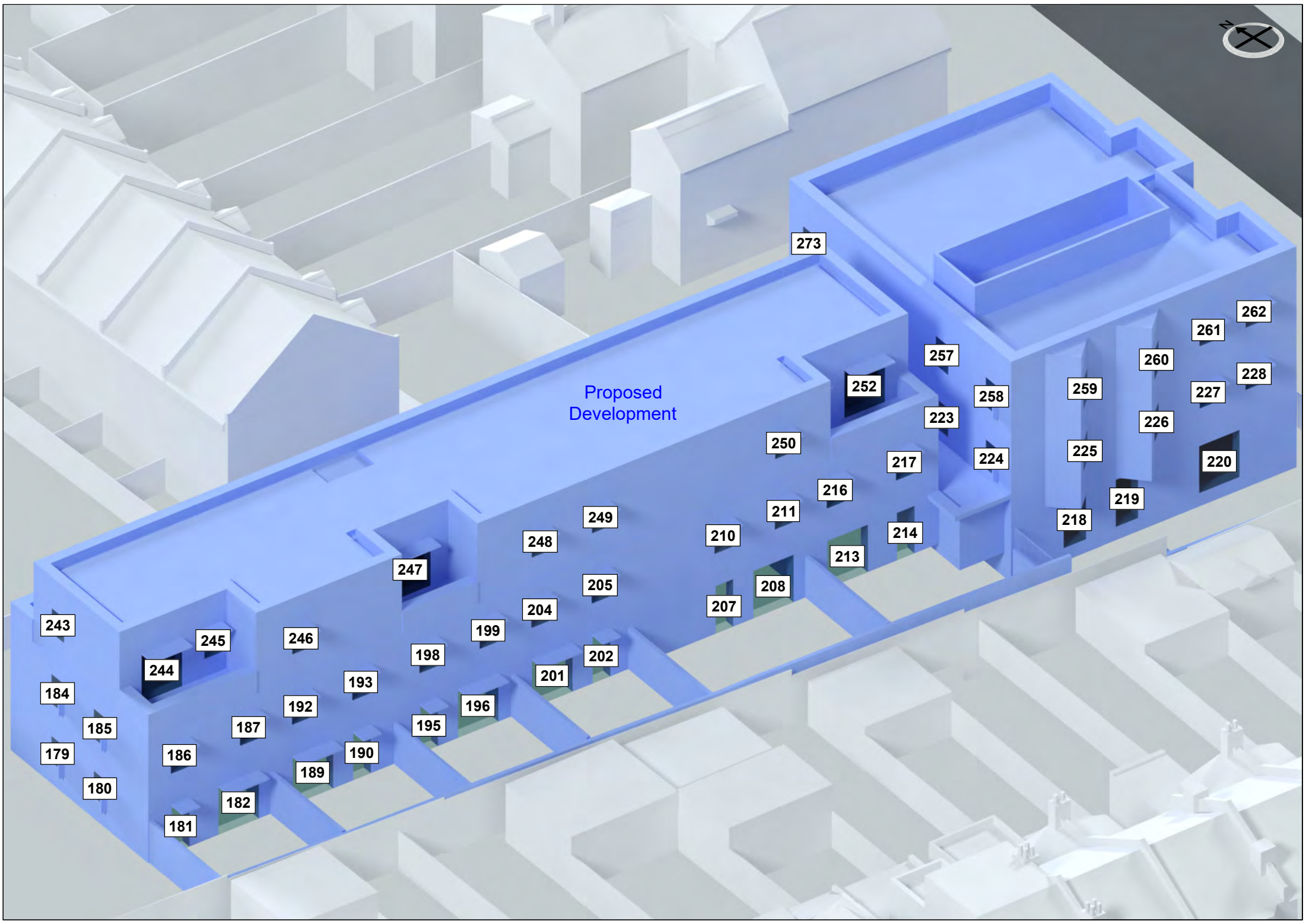
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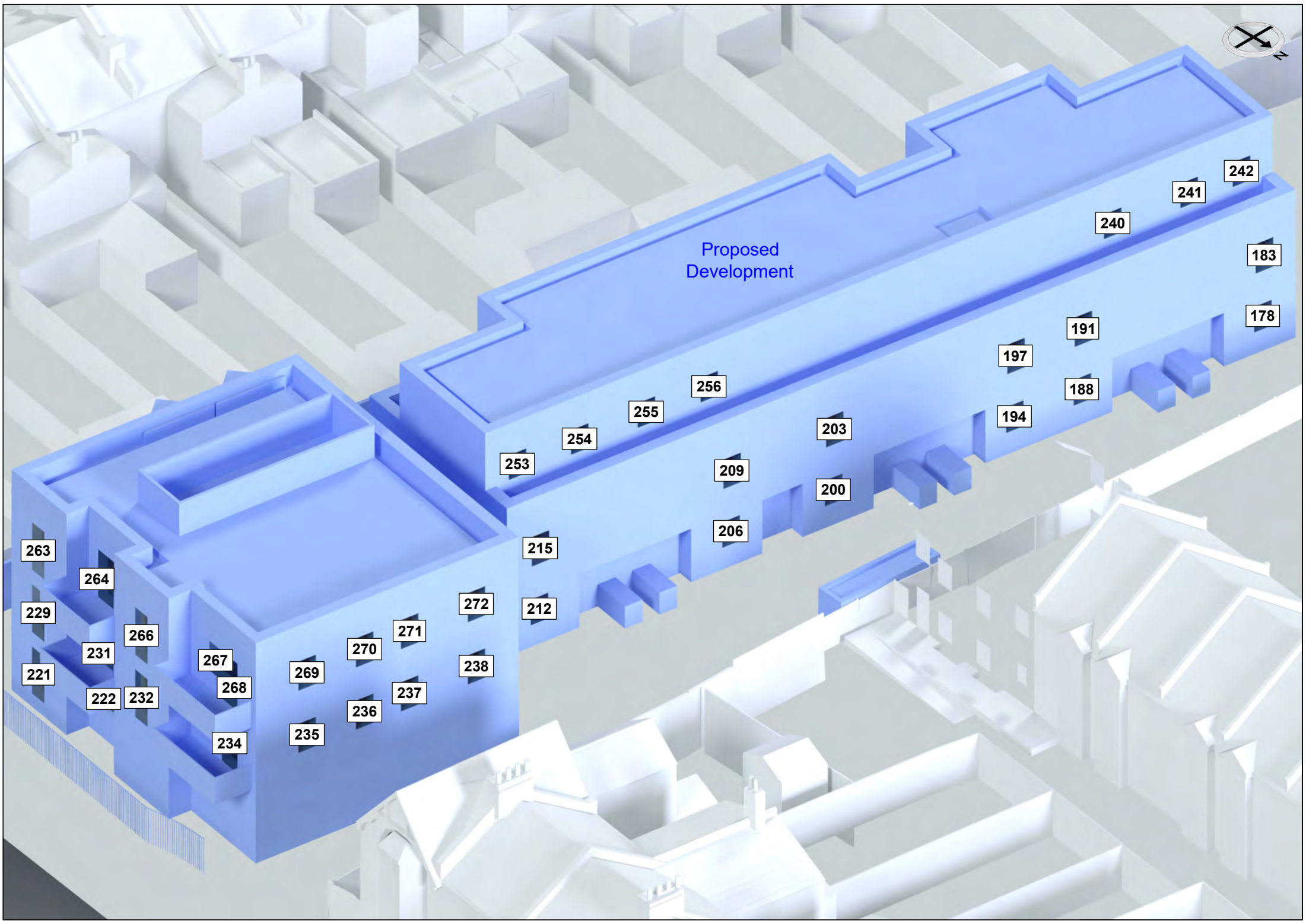
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Proposed
Development





Proposed
Development



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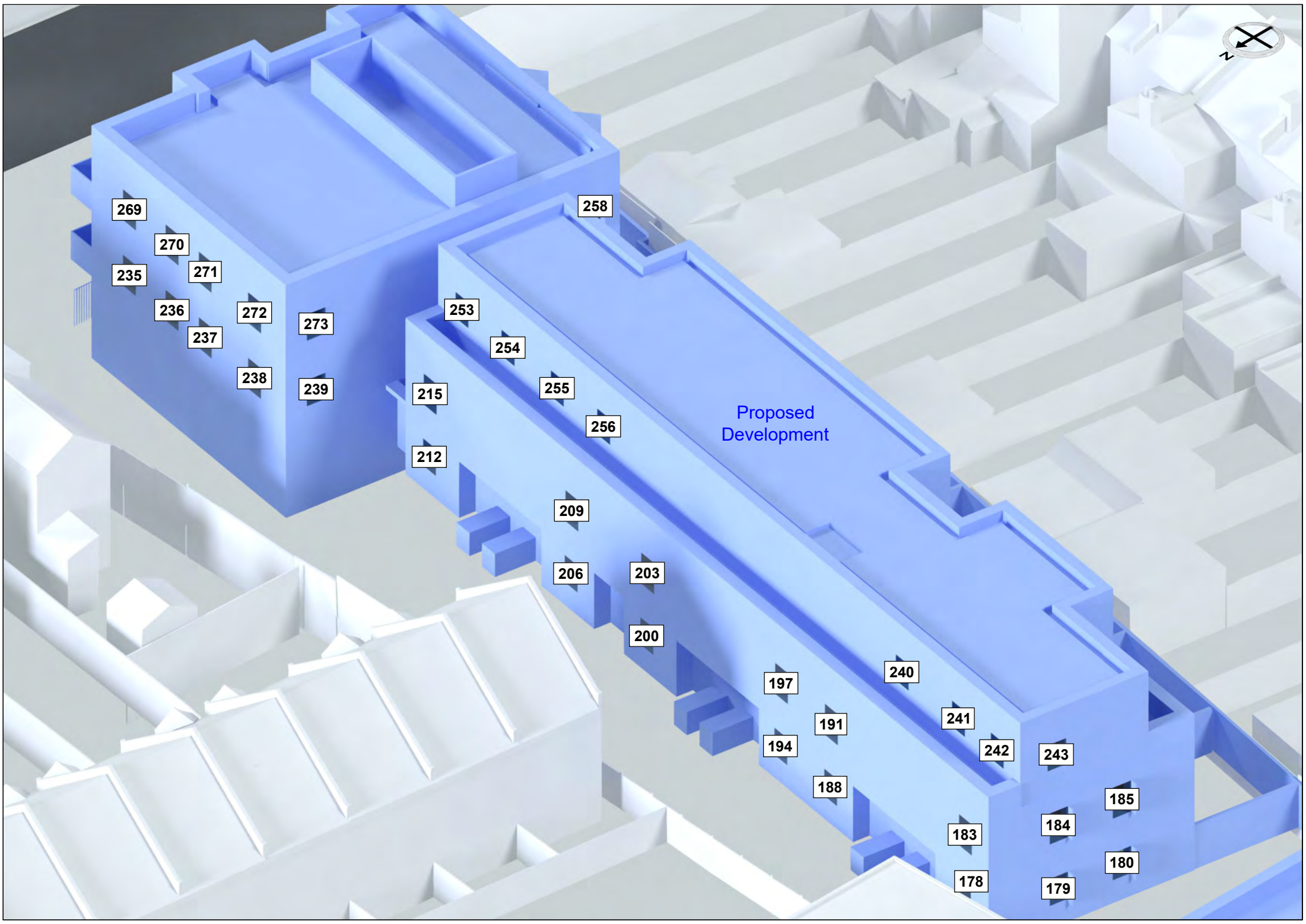
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Proposed
Development

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Proposed Block A Ground Floor

Window Key and No Sky Line Contours



Key:

- Window reference
- G1 Gardens and Amenity Areas
- Area receives no direct sky light (applied to habitable rooms)
- Area does receive direct sky light.
- Light aperture.

Drawing Title: Window Key and No Sky Line Contours

Scale: Do not scale

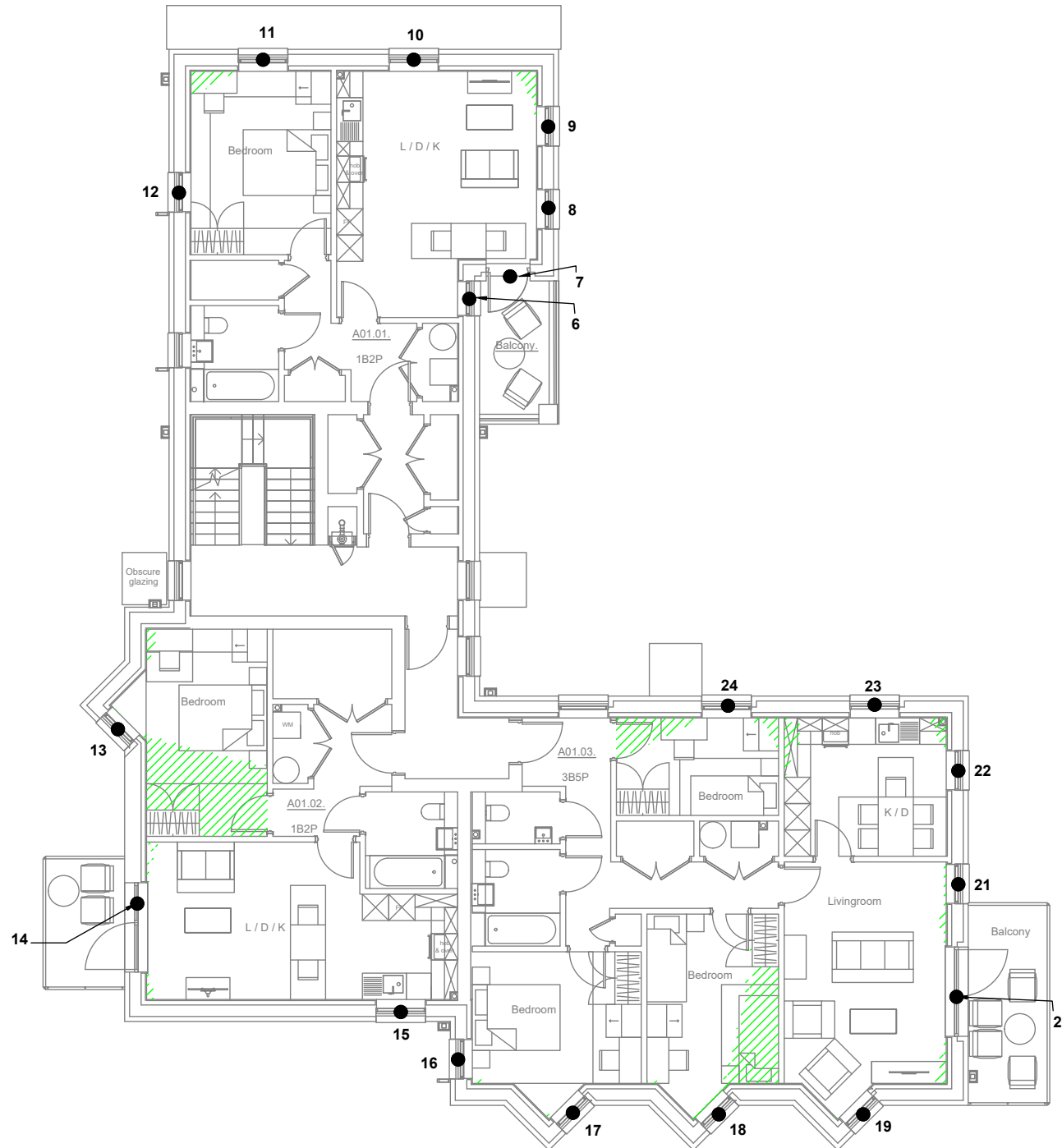
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Rev. .

Rev	Date	Details of revision

RIGHT OF LIGHT CONSULTING
Chartered Surveyors

Right of Light Consulting
Burley House
15 - 17 High Street
Rayleigh
Essex
SS6 7EW
TEL 0800 197 4836
E-MAIL enquiries@right-of-light.co.uk
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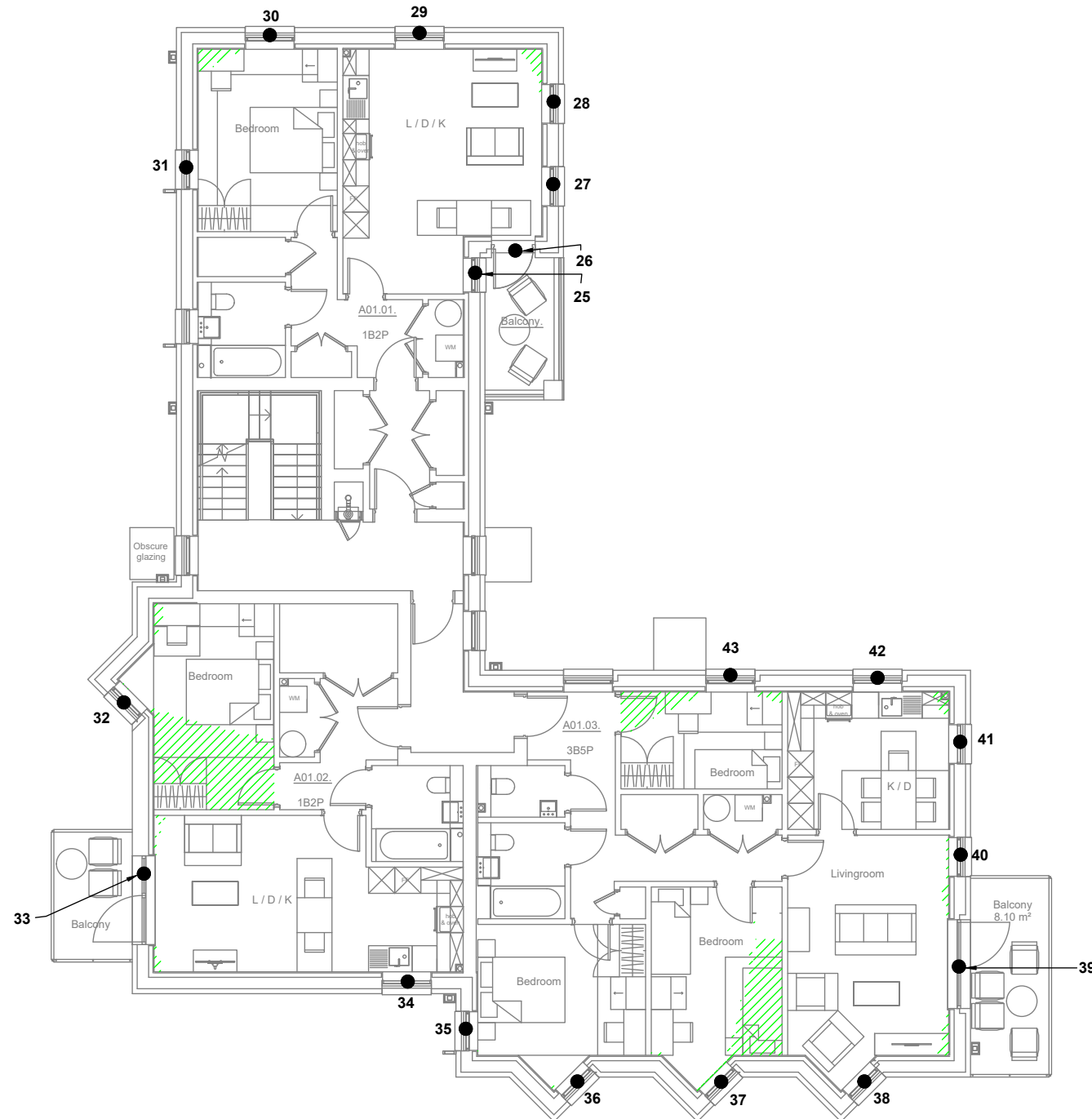
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Right of Light Consulting
 Burley House
 15 - 17 High Street
 Rayleigh
 Essex
 SS6 7EW
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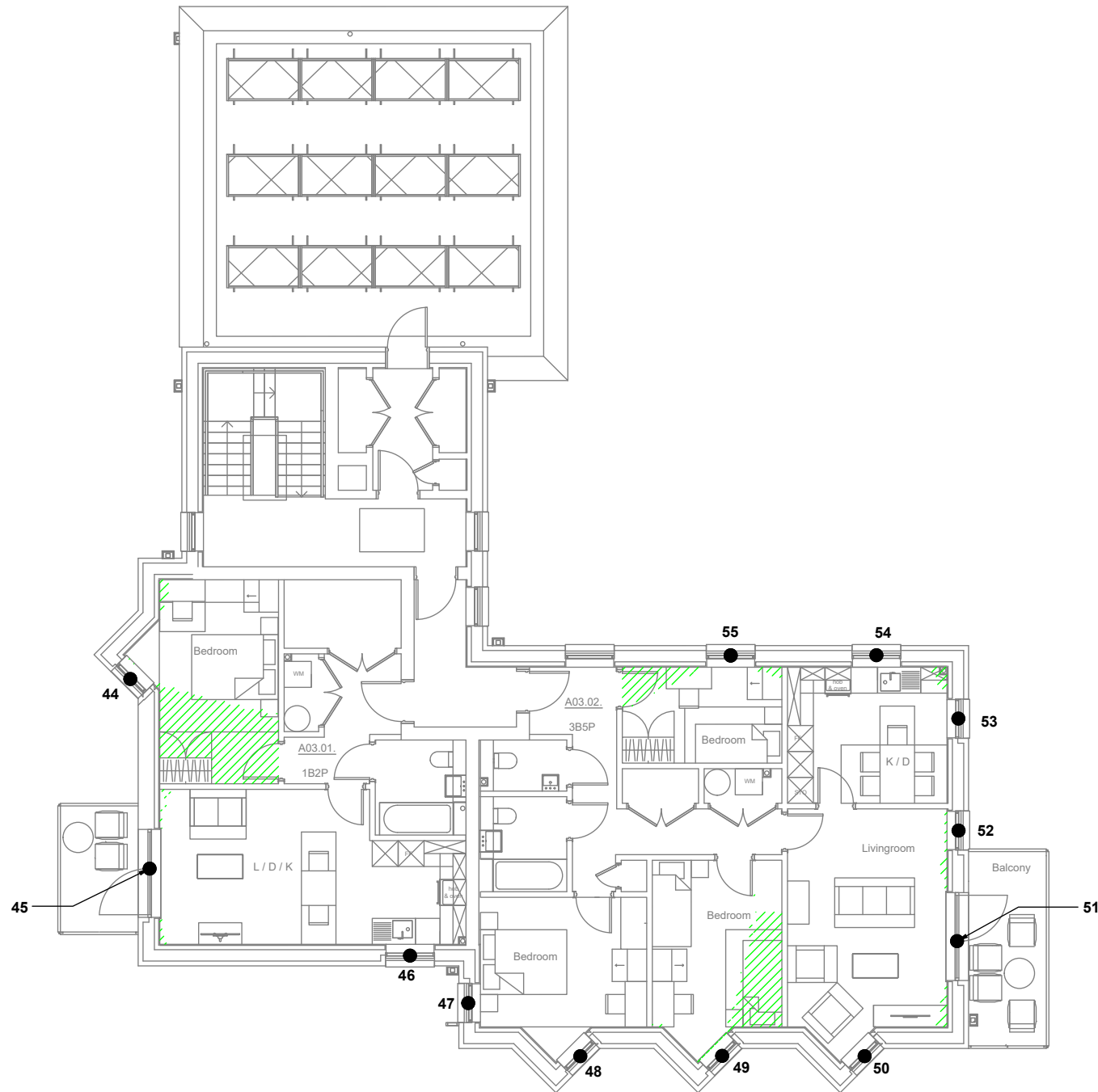
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Rev	Date	Details of revision



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 Burley House
 15 - 17 High Street
 Rayleigh
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 SS6 7EW
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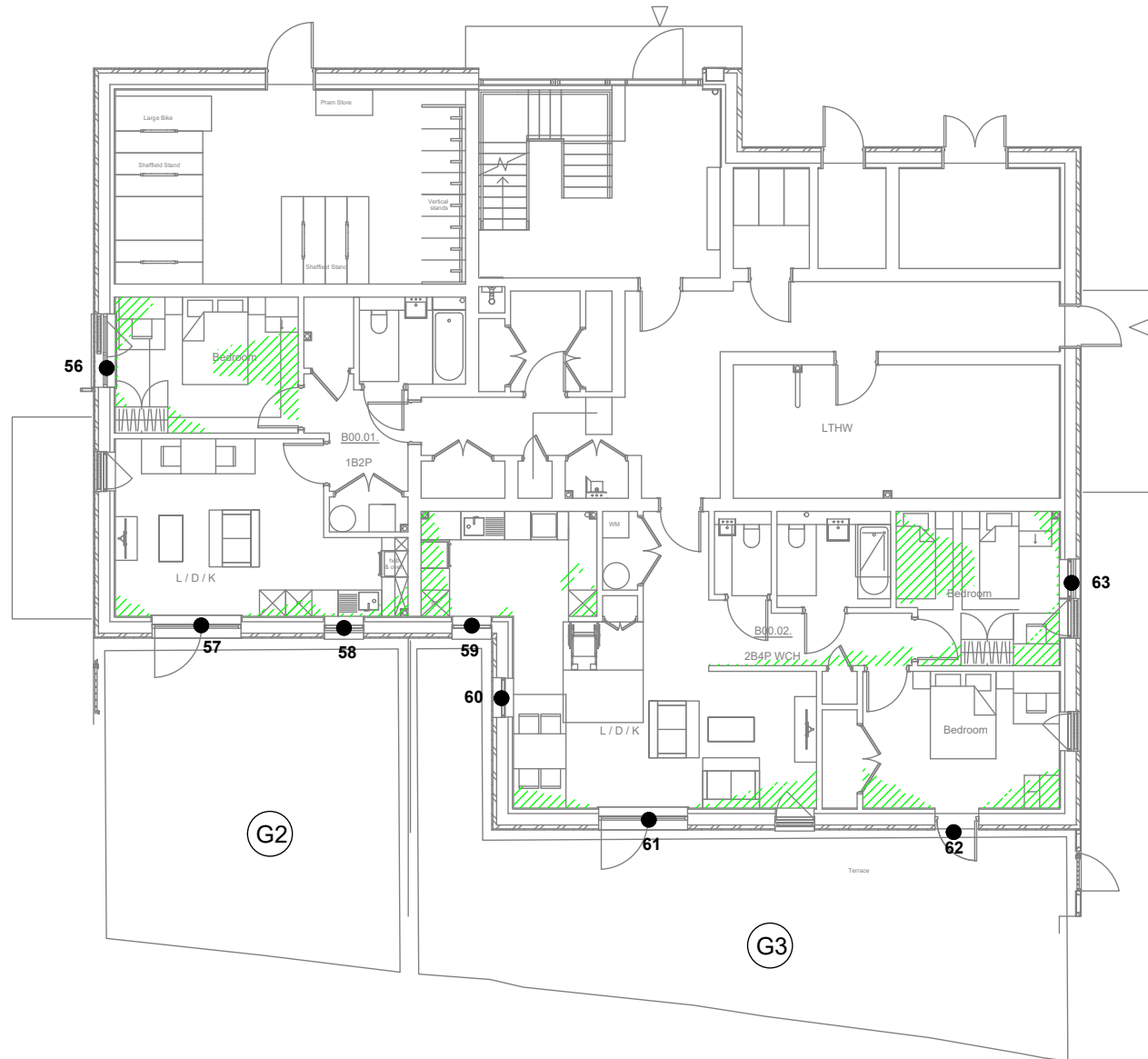
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Rev. .

Rev	Date	Details of revision



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 Burley House
 15 - 17 High Street
 Rayleigh
 Essex
 SS6 7EW
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 WEBSITE www.right-of-light.co.uk



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- Light aperture.

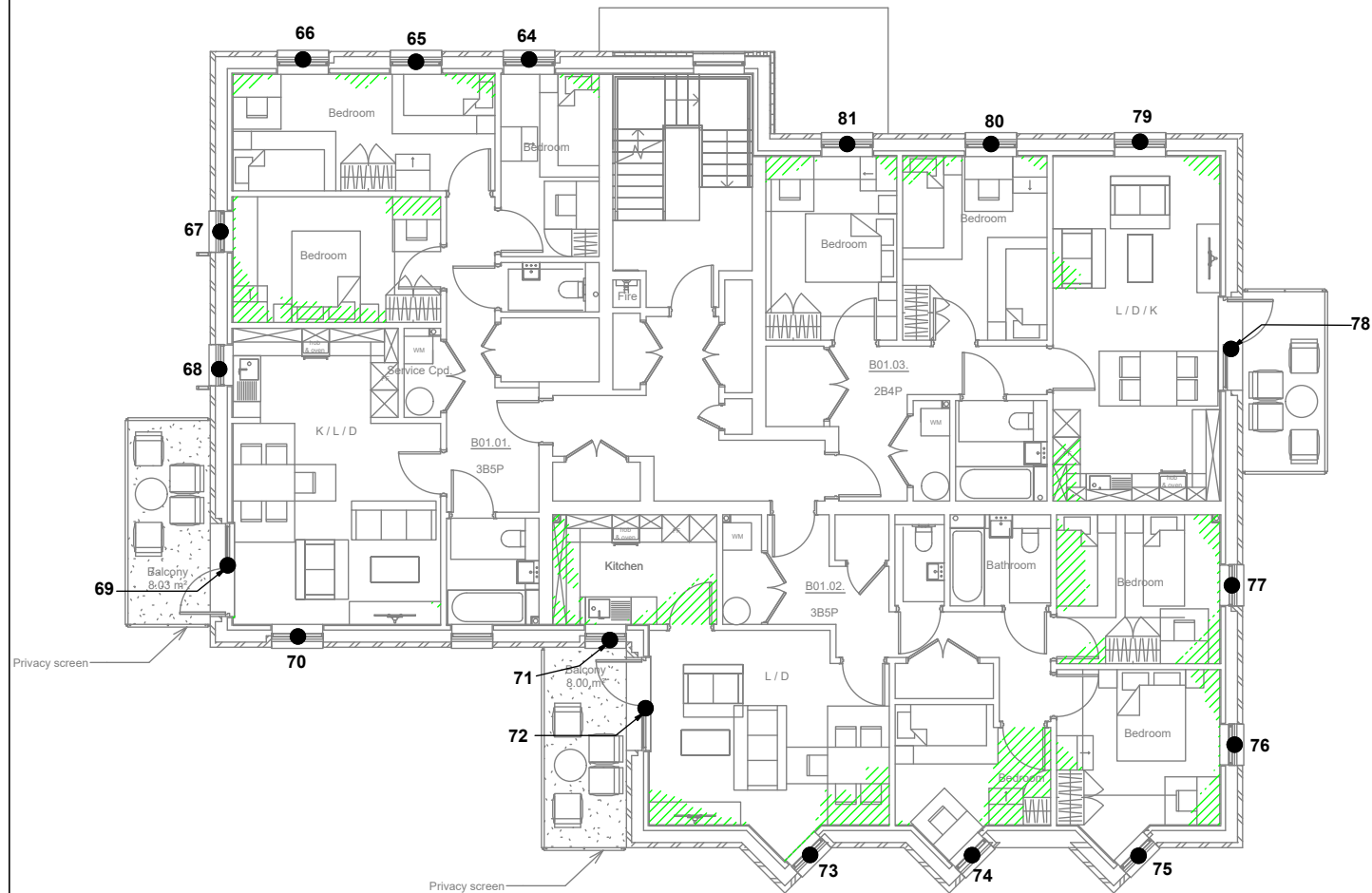
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Drawing No: 5 of 15

Rev. .

Rev	Date	Details of revision



Key:

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- Area receives no direct sky light (applied to habitable rooms)
- Area does receive direct sky light.
- Light aperture.

Drawing Title: Window Key and No Sky Line Contours

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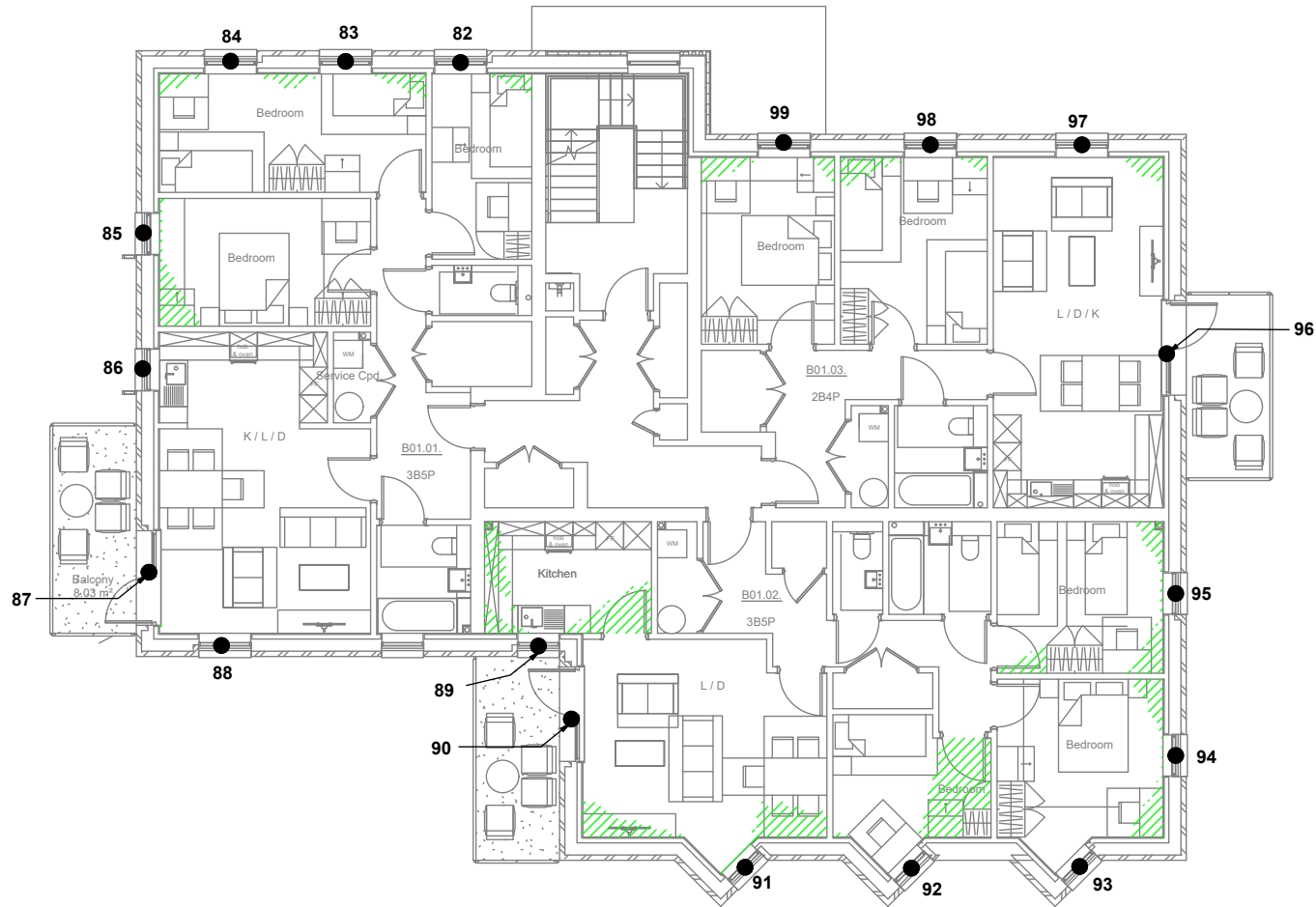
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Rev	Date	Details of revision



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 Rayleigh
 Essex
 SS6 7EW
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 WEBSITE www.right-of-light.co.uk



Key:

● Window reference

G1 Gardens and Amenity Areas

Area receives no direct sky light
(applied to habitable rooms)

Area does receive direct sky light.

Light aperture.

Drawing Title: Window Key and No Sky Line Contours

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Drawing No: 7 of 15

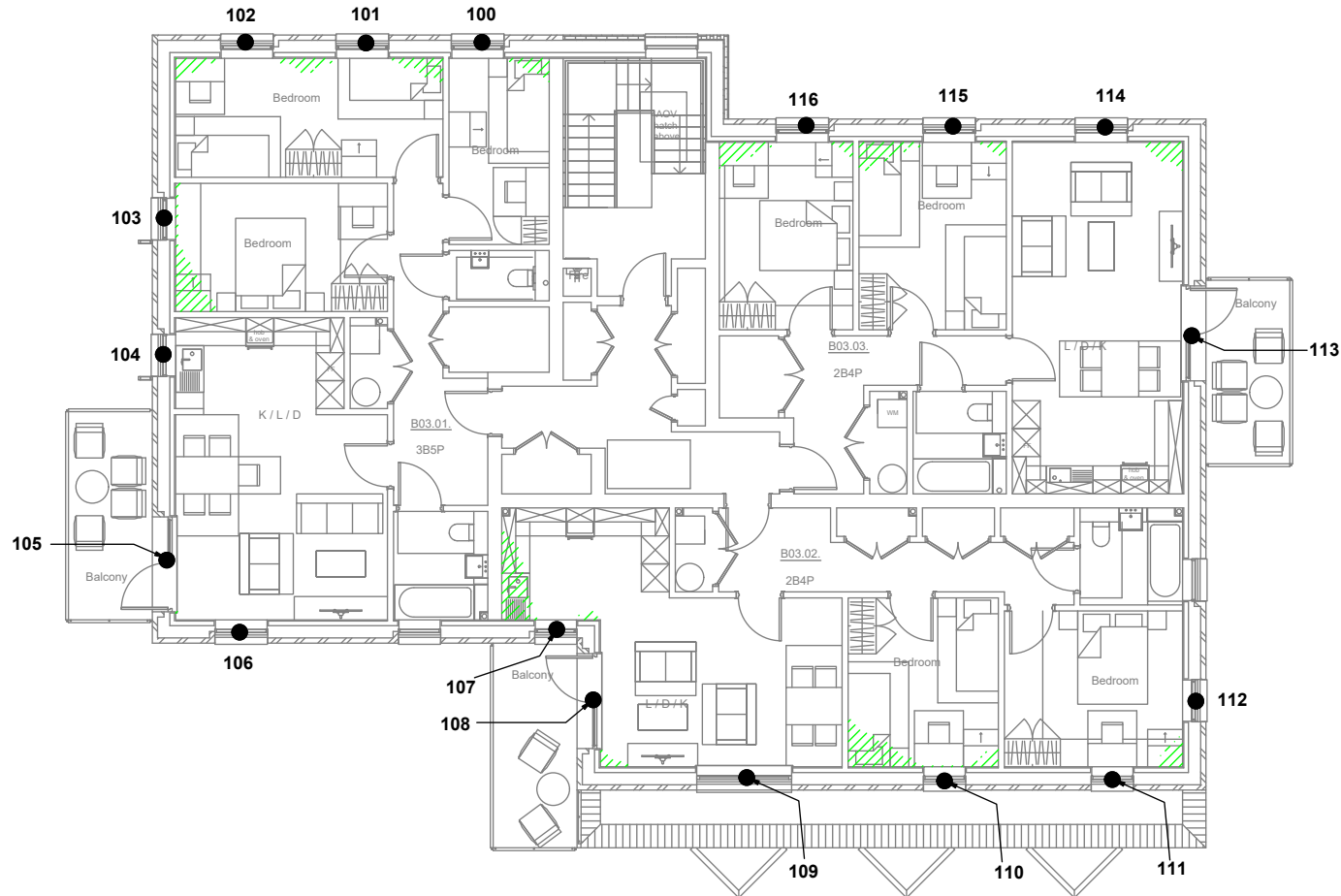
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Rev Date Details of revision



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Drawing Title: Window Key and No Sky Line Contours

Scale: Do not scale

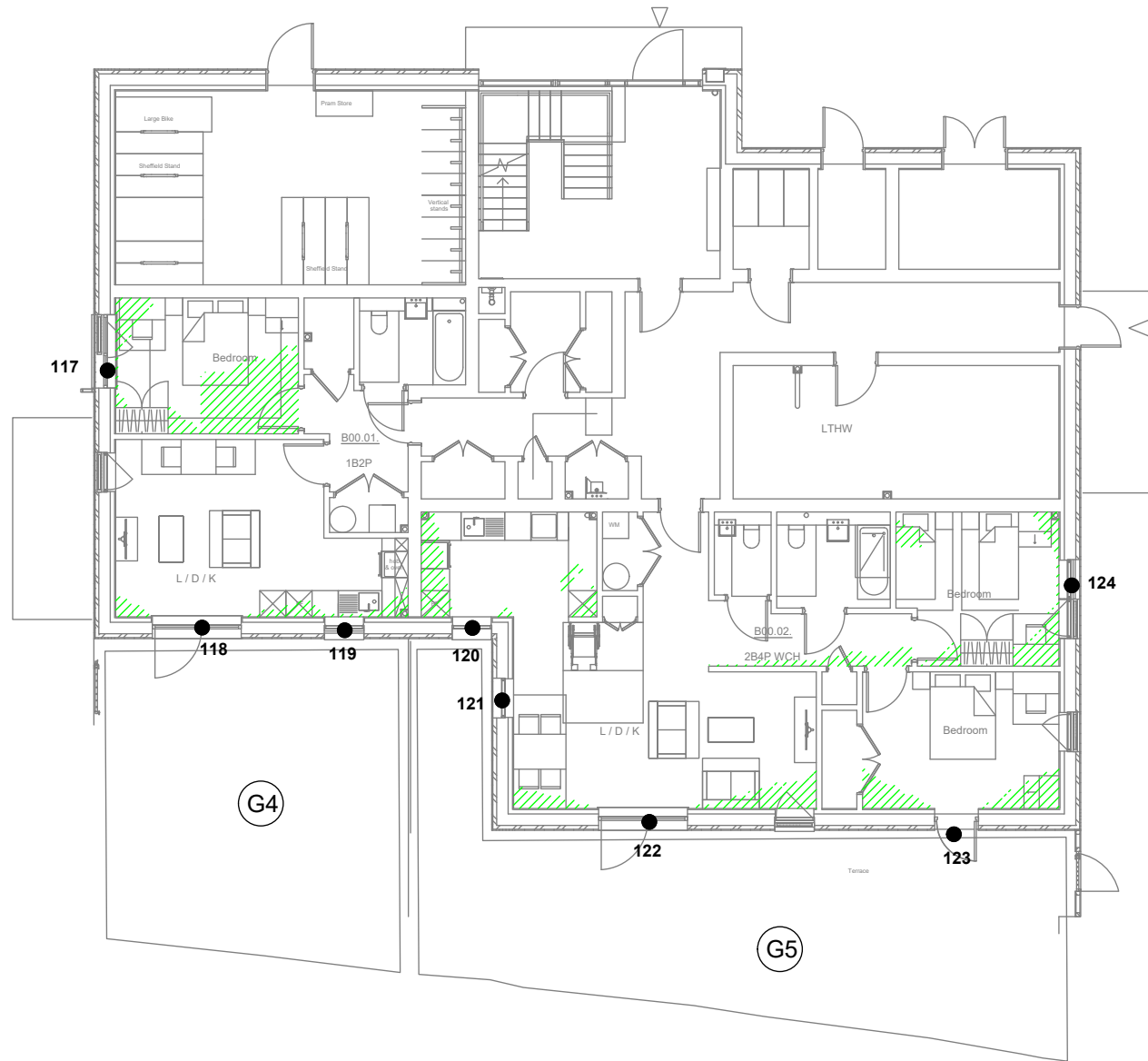
Drawing No: 8 of 15

Rev. .

Rev	Date	Details of revision



Right of Light Consulting
 Burley House
 15 - 17 High Street
 Rayleigh
 Essex
 SS6 7EW
 TEL 0800 197 4836
 E-MAIL enquiries@right-of-light.co.uk
 WEBSITE www.right-of-light.co.uk



Key:

- Window reference
- G1 Gardens and Amenity Areas
- Area receives no direct sky light (applied to habitable rooms)
- Area does receive direct sky light.
- Light aperture.

Drawing Title: Window Key and No Sky Line Contours

Scale: Do not scale

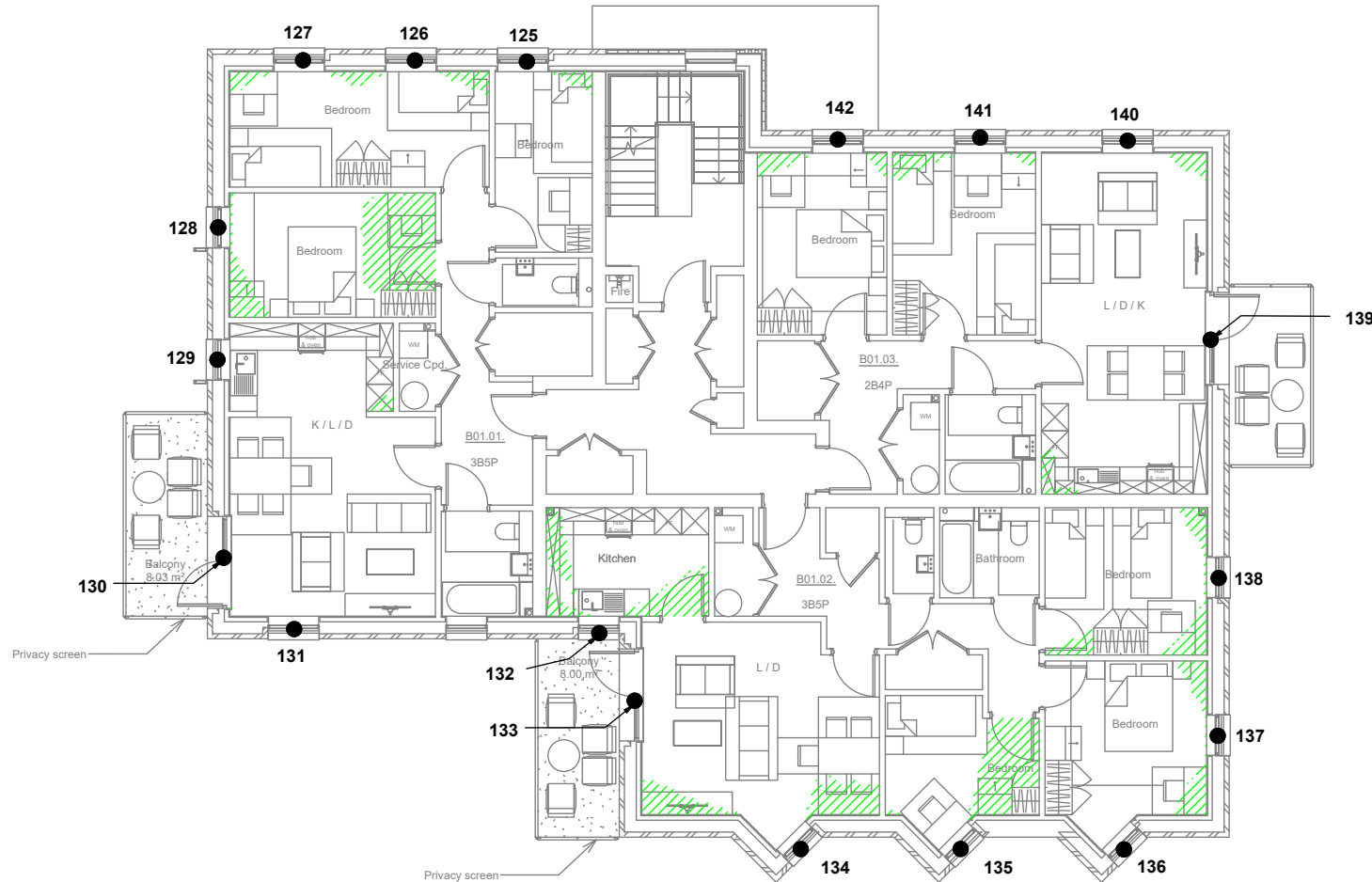
Drawing No: 9 of 15

Rev. .

Rev	Date	Details of revision

Key:

- Window reference
- G1 Gardens and Amenity Areas
- Area receives no direct sky light
(applied to habitable rooms)
- Area does receive direct sky light.
- Light aperture.



Drawing Title: Window Key and No Sky Line Contours

Scale: Do not scale

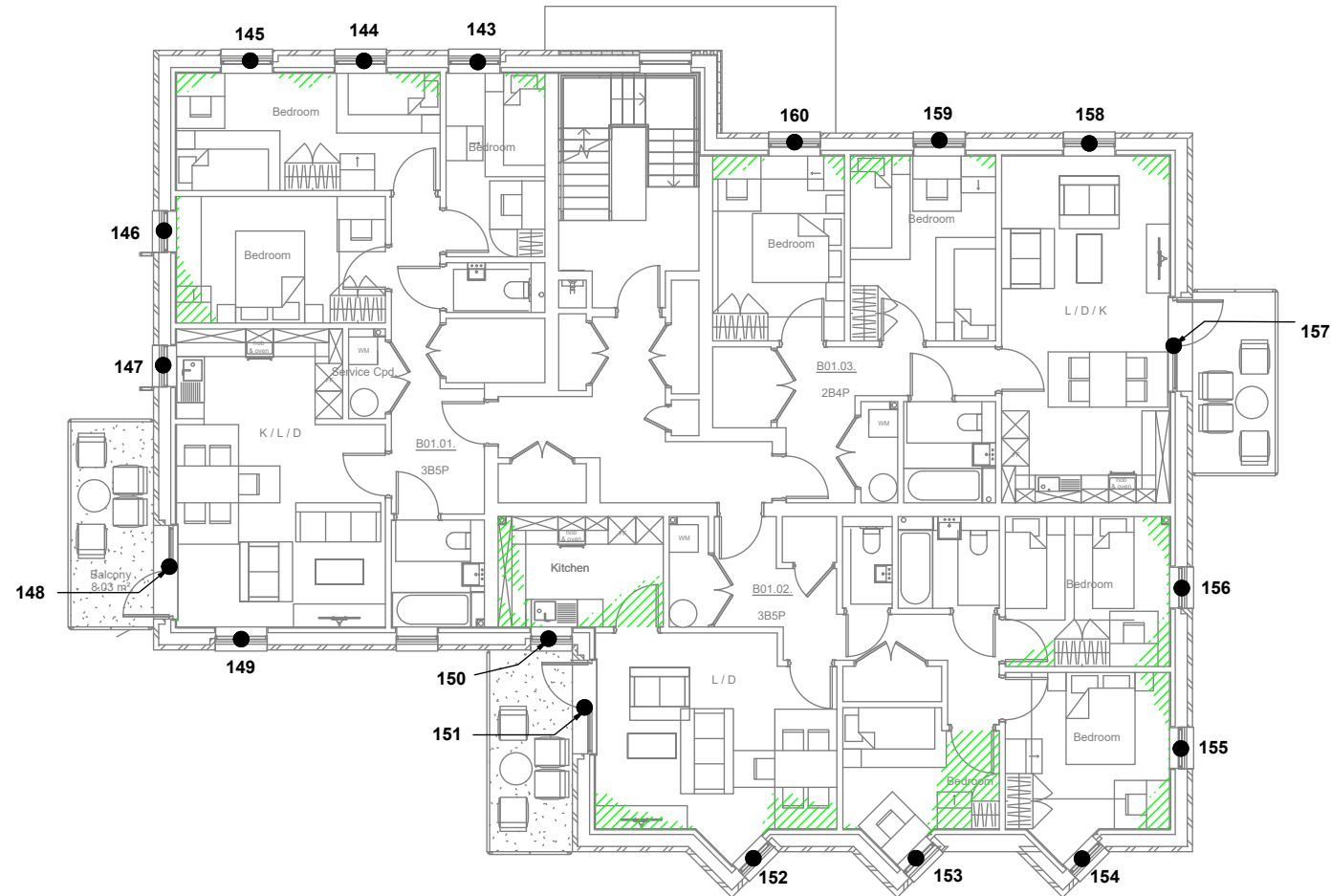
Drawing No: 10 of 15

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Rev	Date	Details of revision



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 15 - 17 High Street
 Rayleigh
 Essex
 SS6 7EW
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- Area does receive direct sky light.
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Drawing Title: Window Key and No Sky Line Contours

Scale: Do not scale

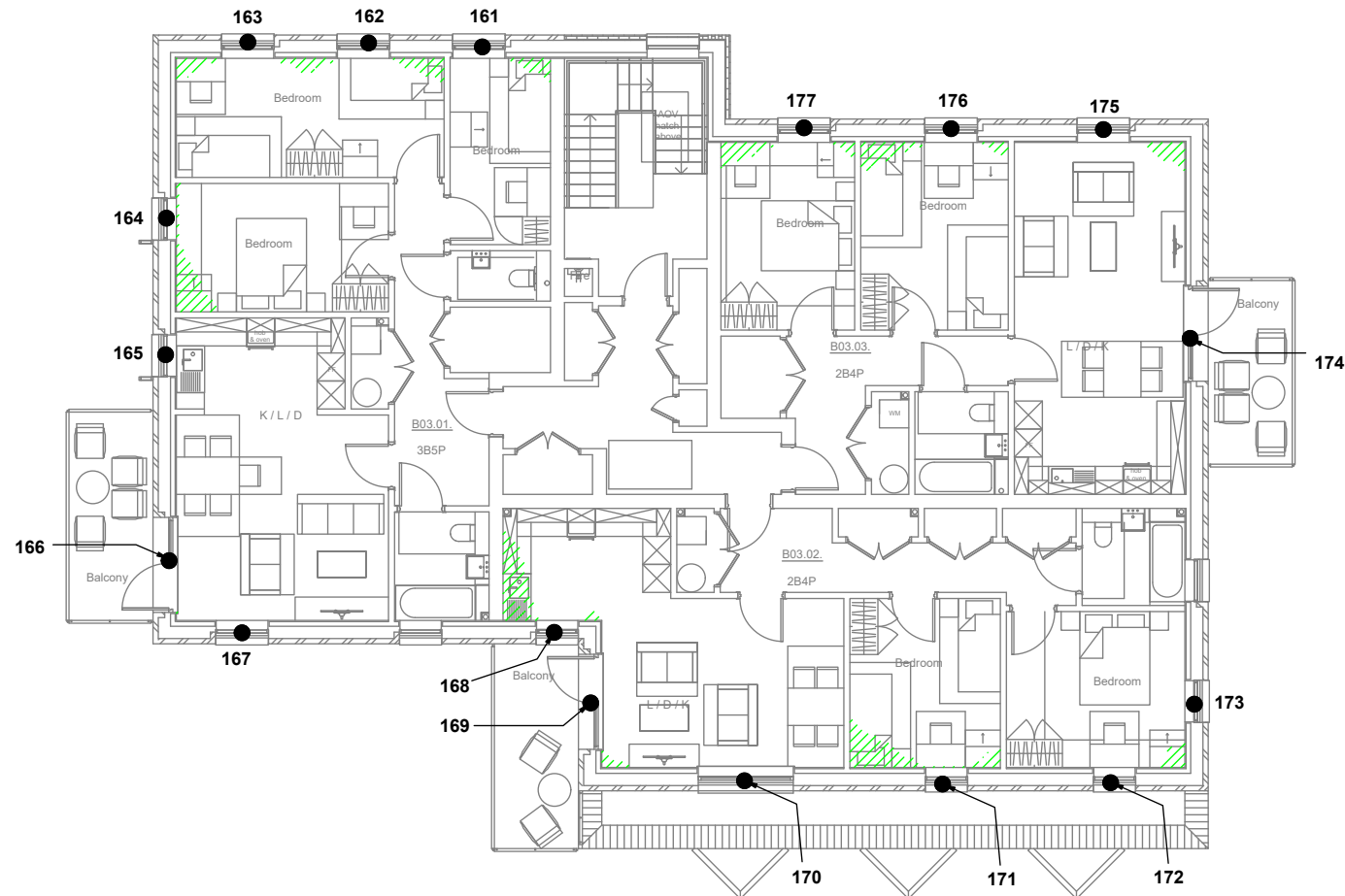
Drawing No: 11 of 15

Rev. .

Rev	Date	Details of revision



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 Burley House
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 Rayleigh
 Essex
 SS6 7EW
 TEL 0800 197 4836
 E-MAIL enquiries@right-of-light.co.uk
 WEBSITE www.right-of-light.co.uk



Key:

- Window reference
- G1 Gardens and Amenity Areas
- Area receives no direct sky light (applied to habitable rooms)
- Area does receive direct sky light.
- Light aperture.

Drawing Title: Window Key and No Sky Line Contours

Scale: Do not scale

Drawing No: 12 of 15

Rev. .

Rev	Date	Details of revision



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 Burley House
 15 - 17 High Street
 Rayleigh
 Essex
 SS6 7EW
 TEL 0800 197 4836
 E-MAIL enquiries@right-of-light.co.uk
 WEBSITE www.right-of-light.co.uk

Key:

- Window reference
- G1 Gardens and Amenity Areas
- Area receives no direct sky light
(applied to habitable rooms)
- Area does receive direct sky light.
- Light aperture.



Drawing Title: Window Key and No Sky Line Contours

Scale: Do not scale

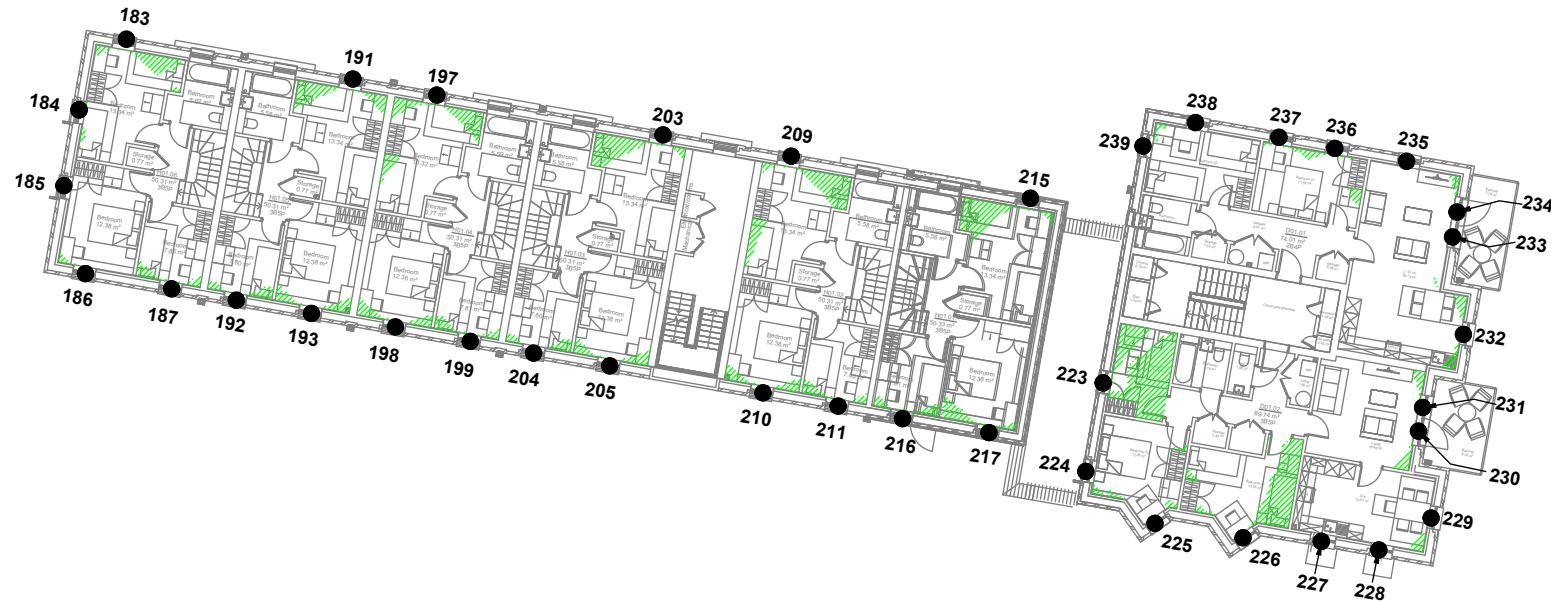
Drawing No: 13 of 15

Rev. .

Rev	Date	Details of revision



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 Burley House
 15 - 17 High Street
 Rayleigh
 Essex
 SS6 7EW
 TEL 0800 197 4836
 E-MAIL enquiries@right-of-light.co.uk
 WEBSITE www.right-of-light.co.uk



Key:

● Window reference

G1 Gardens and Amenity Areas

Area receives no direct sky light
(applied to habitable rooms)

Area does receive direct sky light.

Light aperture.

Drawing Title: Window Key and No Sky Line Contours

Scale: Do not scale

Drawing No: 14 of 15

Rev. -

Rev	Date	Details of revision



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 Burley House
 15 - 17 High Street
 Rayleigh
 Essex
 SS6 7EW
 TEL 0800 197 4836
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 WEBSITE www.right-of-light.co.uk

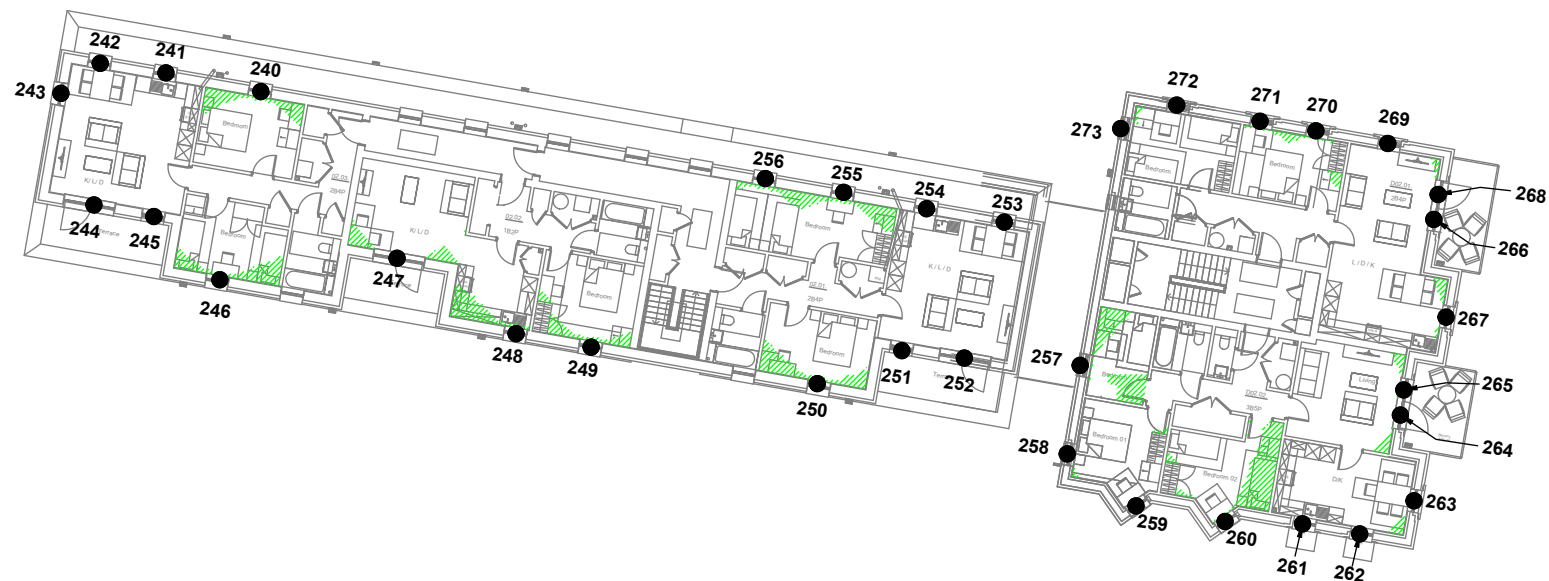
● Window reference

 Gardens and Amenity Areas

 Area receives no direct sky light
(applied to habitable rooms)

 Area does receive direct sky light.

 Light aperture.



Rev	Date	Details of revision
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Right of Light Consulting
Burley House
15 - 17 High Street
Rayleigh
Essex
SS6 7EW
TEL 0800 197 4836
E-MAIL enquiries@right-of-light.co.uk
WEBSITE www.right-of-light.co.uk

APPENDIX 2

DAYLIGHT & SUNLIGHT DATA

Appendix 2 - Average Daylight Factor (ADF)

Brunel Walk, London N15 5HQ

Reference	Target ADF based on room use		Average Daylight Factor Coefficients					ADF
	Primary room use	ADF	T	Aw	A	R	θ	
<u>Block A Unit 1</u>								
Window 1 (lower)	Bedroom	1.0%	0.74	0.75	65.63	0.7	58.2	0.4%
Window 1 (upper)			0.74	1.36	65.63	0.7	61.7	1.9%
Total ADF for room			2.3%					
Window 2 (lower)	Bedroom	1.0%	0.74	0.6	59.15	0.71	59.6	0.4%
Window 2 (upper)			0.74	1.1	59.15	0.71	60.2	1.7%
Total ADF for room			2.1%					
Window 3 (lower)	Living/Dining/Kitchen	2.0%	0.74	1.38	127.38	0.67	59.8	0.3%
Window 3 (upper)			0.74	2.52	127.38	0.67	59.6	1.6%
Window 4 (lower)			0.74	0.6	127.38	0.67	54.5	0.1%
Window 4 (upper)			0.74	1.1	127.38	0.67	53.6	0.6%
Window 5 (lower)			0.74	0.77	127.38	0.67	46.4	0.1%
Window 5 (upper)			0.74	1.4	127.38	0.67	52.7	0.8%
Total ADF for room			3.5%					
<u>Block A Unit 2</u>								
Window 6	Living/Dining/Kitchen	2.0%	0.74	0.95	97.18	0.67	23.2	0.3%
Window 7 (lower)			0.74	0.68	97.18	0.67	18.9	0.1%
Window 7 (upper)			0.74	1.24	97.18	0.67	18.3	0.3%
Window 8			0.74	1.09	97.18	0.67	60.8	0.9%
Window 9			0.74	1.09	97.18	0.67	60.3	0.9%
Window 10			0.74	1.36	97.18	0.67	77.1	1.5%
Total ADF for room			4.0%					
Window 11	Bedroom	1.0%	0.74	1.36	62.08	0.7	77.3	2.5%
Window 12			0.74	1.09	62.08	0.7	76.1	1.9%
Total ADF for room			4.4%					
<u>Block A Unit 3</u>								
Window 13	Bedroom	1.0%	0.74	1.06	64.91	0.72	51.8	1.3%
Window 14 (lower)	Living/Dining/Kitchen	2.0%	0.74	1.38	98.96	0.68	50.5	0.4%
Window 14 (upper)			0.74	2.52	98.96	0.68	52.7	1.9%
Window 15			0.74	1.34	98.96	0.68	51.4	1.0%
Total ADF for room			3.3%					
<u>Block A Unit 4</u>								
Window 16	Bedroom	1.0%	0.74	1.09	59.18	0.71	49.2	1.3%
Window 17			0.74	1.06	59.18	0.71	52.2	1.4%
Total ADF for room			2.7%					
Window 18	Bedroom	1.0%	0.74	1.06	59.02	0.72	52.3	1.4%
Window 19			0.74	1.06	83.99	0.67	57.6	1.0%
Window 20 (lower)			0.74	1.38	83.99	0.67	48.2	0.4%
Window 20 (upper)			0.74	2.52	83.99	0.67	37.5	1.5%
Window 21			0.74	1.09	83.99	0.67	55.2	1.0%

Appendix 2 - Average Daylight Factor (ADF)

Brunel Walk, London N15 5HQ

Reference	Target ADF based on room use		Average Daylight Factor Coefficients					ADF
	Primary room use	ADF	T	Aw	A	R	θ	
Total ADF for room	Living Room	1.5%						3.9%
Window 22			0.74	1.09	57.47	0.7	64.2	1.8%
Window 23			0.74	1.36	57.47	0.7	62.8	2.2%
Total ADF for room	Dining/Kitchen	2.0%						4.0%
Window 24	Bedroom	1.0%	0.74	1.36	44.54	0.72	58.9	2.8%
<u>Block A Unit 5</u>								
Window 25			0.74	0.95	97.18	0.67	19.8	0.3%
Window 26 (lower)			0.74	0.68	97.18	0.67	20.1	0.1%
Window 26 (upper)			0.74	1.24	97.18	0.67	15.7	0.3%
Window 27			0.74	1.09	97.18	0.67	72.1	1.1%
Window 28			0.74	1.09	97.18	0.67	71.9	1.1%
Window 29			0.74	1.36	97.18	0.67	83.6	1.6%
Total ADF for room	Living/Dining/Kitchen	2.0%						4.5%
Window 30			0.74	1.36	62.08	0.7	85.0	2.7%
Window 31			0.74	1.09	62.08	0.7	81.0	2.1%
Total ADF for room	Bedroom	1.0%						4.8%
<u>Block A Unit 6</u>								
Window 32	Bedroom	1.0%	0.74	1.06	64.91	0.72	53.0	1.3%
Window 33 (lower)			0.74	1.38	98.96	0.68	50.5	0.4%
Window 33 (upper)			0.74	2.52	98.96	0.68	54.1	1.9%
Window 34			0.74	1.34	98.96	0.68	54.3	1.0%
Total ADF for room	Living/Dining/Kitchen	2.0%						3.3%
<u>Block A Unit 7</u>								
Window 35			0.74	1.09	59.18	0.71	50.2	1.4%
Window 36			0.74	1.06	59.18	0.71	54.5	1.4%
Total ADF for room	Bedroom	1.0%						2.8%
Window 37	Bedroom	1.0%	0.74	1.06	59.02	0.72	54.5	1.5%
Window 38			0.74	1.06	83.99	0.67	60.3	1.0%
Window 39 (lower)			0.74	1.38	83.99	0.67	52.4	0.5%
Window 39 (upper)			0.74	2.52	83.99	0.67	44.0	1.8%
Window 40			0.74	1.09	83.99	0.67	62.6	1.1%
Total ADF for room	Living Room	1.5%						4.4%
Window 41			0.74	1.09	57.47	0.7	74.1	2.0%
Window 42			0.74	1.36	57.47	0.7	73.9	2.5%
Total ADF for room	Dining/Kitchen	2.0%						4.5%
Window 43	Bedroom	1.0%	0.74	1.36	44.54	0.72	69.7	3.3%
<u>Block A Unit 8</u>								
Window 44	Bedroom	1.0%	0.74	1.06	64.91	0.72	60.6	1.5%
Window 45 (lower)			0.74	1.38	98.96	0.68	58.3	0.5%

Appendix 2 - Average Daylight Factor (ADF)

Brunel Walk, London N15 5HQ

Reference	Target ADF based on room use		Average Daylight Factor Coefficients					ADF
	Primary room use	ADF	T	Aw	A	R	θ	
Window 45 (upper)			0.74	2.52	98.96	0.68	60.8	2.2%
Window 46			0.74	1.34	98.96	0.68	54.3	1.0%
Total ADF for room	Living/Dining/Kitchen	2.0%						3.7%
<u>Block A Unit 9</u>								
Window 47			0.74	1.09	59.18	0.71	52.8	1.4%
Window 48			0.74	1.06	59.18	0.71	55.8	1.5%
Total ADF for room	Bedroom	1.0%						2.9%
Window 49	Bedroom	1.0%	0.74	1.06	59.02	0.72	55.8	1.5%
Window 50			0.74	1.06	83.99	0.67	61.6	1.0%
Window 51 (lower)			0.74	1.38	83.99	0.67	67.5	0.6%
Window 51 (upper)			0.74	2.52	83.99	0.67	85.8	3.5%
Window 52			0.74	1.09	83.99	0.67	85.4	1.5%
Total ADF for room	Living Room	1.5%						6.6%
Window 53			0.74	1.09	57.47	0.7	85.2	2.3%
Window 54			0.74	1.36	57.47	0.7	85.5	2.9%
Total ADF for room	Dining/Kitchen	2.0%						5.2%
Window 55	Bedroom	1.0%	0.74	1.36	44.54	0.72	82.6	3.9%
<u>Block B Unit 1</u>								
Window 56	Bedroom	1.0%	0.74	0.89	61.06	0.72	52.6	1.2%
Window 57 (lower)			0.74	1.38	99.44	0.69	58.3	0.5%
Window 57 (upper)			0.74	2.52	99.44	0.69	51.0	1.8%
Window 58			0.74	1.09	99.44	0.69	47.7	0.7%
Total ADF for room	Living/Dining/Kitchen	2.0%						3.0%
<u>Block B Unit 2</u>								
Window 59 (lower)			0.74	0.61	211.04	0.7	22.4	0.0%
Window 59 (upper)			0.74	1.12	211.04	0.7	25.3	0.2%
Window 60			0.74	1.09	211.04	0.7	28.9	0.2%
Window 61 (lower)			0.74	1.38	211.04	0.7	61.8	0.2%
Window 61 (upper)			0.74	2.52	211.04	0.7	62.2	1.1%
Total ADF for room	Living/Dining/Kitchen	2.0%						1.7%
Window 62 (lower)			0.74	0.68	66.26	0.71	62.9	0.4%
Window 62 (upper)			0.74	1.24	66.26	0.71	62.0	1.7%
Total ADF for room	Bedroom	1.0%						2.1%
Window 63	Bedroom	1.0%	0.74	1.09	62.91	0.72	59.5	1.6%
<u>Block B Unit 3</u>								
Window 64	Bedroom	1.0%	0.74	1.36	47.14	0.72	73.8	3.3%
Window 65			0.74	1.36	72.23	0.71	72.7	2.0%
Window 66			0.74	1.36	72.23	0.71	70.3	2.0%
Total ADF for room	Bedroom	1.0%						4.0%

Appendix 2 - Average Daylight Factor (ADF)

Brunel Walk, London N15 5HQ

Reference	Target ADF based on room use		Average Daylight Factor Coefficients					ADF
	Primary room use	ADF	T	Aw	A	R	θ	
Window 67	Bedroom	1.0%	0.74	1.09	60.03	0.72	60.8	1.7%
Window 68			0.74	1.09	112.99	0.68	58.6	0.8%
Window 69 (lower)			0.74	1.38	112.99	0.68	45.5	0.3%
Window 69 (upper)			0.74	2.52	112.99	0.68	42.0	1.3%
Window 70			0.74	1.36	112.99	0.68	58.6	1.0%
Total ADF for room	Living/Dining/Kitchen	2.0%						3.4%
Block B Unit 4								
Window 71	Kitchen	2.0%	0.74	1.09	47.21	0.72	30.1	1.1%
Window 72 (lower)			0.74	1.38	93.28	0.68	36.9	0.3%
Window 72 (upper)			0.74	2.52	93.28	0.68	33.8	1.3%
Window 73			0.74	1.06	93.28	0.68	53.6	0.8%
Total ADF for room	Living/Dining	1.5%						2.4%
Window 74	Bedroom	1.0%	0.74	1.06	48.99	0.72	53.8	1.8%
Window 75			0.74	1.06	61.23	0.71	57.7	1.5%
Window 76			0.74	1.09	61.23	0.71	70.7	1.9%
Total ADF for room	Bedroom	1.0%						3.4%
Window 77	Bedroom	1.0%	0.74	1.09	59.01	0.72	65.5	1.9%
Block B Unit 5								
Window 78 (lower)			0.74	1.37	111.04	0.68	43.1	0.3%
Window 78 (upper)			0.74	2.49	111.04	0.68	33.0	1.0%
Window 79			0.74	1.36	111.04	0.68	68.1	1.1%
Total ADF for room	Living/Dining/Kitchen	2.0%						2.4%
Window 80	Bedroom	1.0%	0.74	1.36	59.87	0.71	70.0	2.4%
Block B Unit 6								
Window 82	Bedroom	1.0%	0.74	1.36	47.14	0.72	80.9	3.6%
Window 83			0.74	1.36	72.23	0.71	80.3	2.2%
Window 84			0.74	1.36	72.23	0.71	79.0	2.2%
Total ADF for room	Bedroom	1.0%						4.4%
Window 85	Bedroom	1.0%	0.74	1.09	60.03	0.72	69.8	1.9%
Window 86			0.74	1.09	112.99	0.68	66.8	0.9%
Window 87 (lower)			0.74	1.38	112.99	0.68	49.0	0.3%
Window 87 (upper)			0.74	2.52	112.99	0.68	47.3	1.4%
Window 88			0.74	1.36	112.99	0.68	62.8	1.0%
Total ADF for room	Living/Dining/Kitchen	2.0%						3.6%
Block B Unit 7								
Window 89	Kitchen	2.0%	0.74	1.09	47.21	0.72	32.1	1.1%
Window 90 (lower)			0.74	1.38	93.28	0.68	37.4	0.3%
Window 90 (upper)			0.74	2.52	93.28	0.68	35.4	1.3%
Window 91			0.74	1.06	93.28	0.68	56.6	0.9%

Appendix 2 - Average Daylight Factor (ADF)

Brunel Walk, London N15 5HQ

Reference	Target ADF based on room use		Average Daylight Factor Coefficients					ADF
	Primary room use	ADF	T	Aw	A	R	θ	
Total ADF for room	Living/Dining	1.5%						2.5%
Window 92	Bedroom	1.0%	0.74	1.06	48.99	0.72	56.8	1.9%
Window 93			0.74	1.06	61.23	0.71	60.2	1.5%
Window 94			0.74	1.09	61.23	0.71	78.0	2.0%
Total ADF for room	Bedroom	1.0%						3.5%
Window 95	Bedroom	1.0%	0.74	1.09	59.01	0.72	73.6	2.1%
<u>Block B Unit 8</u>								
Window 96 (lower)			0.74	1.37	111.04	0.68	48.6	0.3%
Window 96 (upper)			0.74	2.49	111.04	0.68	43.1	1.3%
Window 97			0.74	1.36	111.04	0.68	77.0	1.3%
Total ADF for room	Living/Dining/Kitchen	2.0%						2.9%
Window 98	Bedroom	1.0%	0.74	1.36	59.87	0.71	77.6	2.7%
Window 99	Bedroom	1.0%	0.74	1.36	56.02	0.72	69.1	2.5%
<u>Block B Unit 9</u>								
Window 100	Bedroom	1.0%	0.74	1.36	47.14	0.72	87.4	3.9%
Window 101			0.74	1.36	72.23	0.71	87.4	2.4%
Window 102			0.74	1.36	72.23	0.71	87.3	2.4%
Total ADF for room	Bedroom	1.0%						4.8%
Window 103	Bedroom	1.0%	0.74	1.09	60.03	0.72	78.2	2.2%
Window 104			0.74	1.09	112.99	0.68	78.4	1.0%
Window 105 (lower)			0.74	1.38	112.99	0.68	58.8	0.4%
Window 105 (upper)			0.74	2.52	112.99	0.68	59.1	1.8%
Window 106			0.74	1.36	112.99	0.68	65.2	1.1%
Total ADF for room	Living/Dining/Kitchen	2.0%						4.3%
<u>Block B Unit 10</u>								
Window 107			0.74	1.09	117.64	0.68	40.2	0.5%
Window 108 (lower)			0.74	1.38	117.64	0.68	46.7	0.3%
Window 108 (upper)			0.74	2.52	117.64	0.68	42.5	1.2%
Window 109			0.74	2.46	117.64	0.68	60.6	1.7%
Total ADF for room	Living/Dining/Kitchen	2.0%						3.7%
Window 110	Bedroom	1.0%	0.74	1.09	56.1	0.72	68.4	2.0%
Window 111			0.74	1.09	59.91	0.7	68.4	1.8%
Window 112			0.74	1.09	59.91	0.7	85.0	2.3%
Total ADF for room	Bedroom	1.0%						4.1%
<u>Block B Unit 11</u>								
Window 113 (lower)			0.74	1.37	111.04	0.68	62.6	0.4%
Window 113 (upper)			0.74	2.49	111.04	0.68	84.8	2.6%
Window 114			0.74	1.36	111.04	0.68	86.6	1.5%
Total ADF for room	Living/Dining/Kitchen	2.0%						4.5%

Appendix 2 - Average Daylight Factor (ADF)

Brunel Walk, London N15 5HQ

Reference	Target ADF based on room use		Average Daylight Factor Coefficients					ADF
	Primary room use	ADF	T	Aw	A	R	θ	
Window 115	Bedroom	1.0%	0.74	1.36	59.87	0.71	85.9	2.9%
Window 116	Bedroom	1.0%	0.74	1.36	56.02	0.72	75.4	2.8%
<u>Block C Unit 1</u>								
Window 117	Bedroom	1.0%	0.74	0.89	61.06	0.72	54.4	1.2%
Window 118 (lower)			0.74	1.38	99.44	0.69	57.9	0.4%
Window 118 (upper)			0.74	2.52	99.44	0.69	51.2	1.8%
Window 119			0.74	1.09	99.44	0.69	48.0	0.7%
Total ADF for room	Living/Dining/Kitchen	2.0%						2.9%
<u>Block C Unit 2</u>								
Window 120 (lower)			0.74	0.61	211.04	0.7	22.7	0.0%
Window 120 (upper)			0.74	1.12	211.04	0.7	25.5	0.2%
Window 121			0.74	1.09	211.04	0.7	29.8	0.2%
Window 122 (lower)			0.74	1.38	211.04	0.7	68.1	0.3%
Window 122 (upper)			0.74	2.52	211.04	0.7	62.5	1.1%
Total ADF for room	Living/Dining/Kitchen	2.0%						1.8%
Window 123 (lower)			0.74	0.68	66.26	0.71	67.3	0.4%
Window 123 (upper)			0.74	1.24	66.26	0.71	62.2	1.7%
Total ADF for room	Bedroom	1.0%						2.1%
Window 124	Bedroom	1.0%	0.74	1.09	62.91	0.72	66.4	1.8%
<u>Block C Unit 3</u>								
Window 125	Bedroom	1.0%	0.74	1.36	47.14	0.72	74.1	3.3%
Window 126			0.74	1.36	72.23	0.71	72.0	2.0%
Window 127			0.74	1.36	72.23	0.71	68.4	1.9%
Total ADF for room	Bedroom	1.0%						3.9%
Window 128	Bedroom	1.0%	0.74	1.09	60.03	0.72	62.6	1.7%
Window 129			0.74	1.09	112.99	0.68	59.7	0.8%
Window 130 (lower)			0.74	1.38	112.99	0.68	45.5	0.3%
Window 130 (upper)			0.74	2.52	112.99	0.68	42.2	1.3%
Window 131			0.74	1.36	112.99	0.68	58.9	1.0%
Total ADF for room	Living/Dining/Kitchen	2.0%						3.4%
<u>Block C Unit 4</u>								
Window 132	Kitchen	2.0%	0.74	1.09	47.21	0.72	30.5	1.1%
Window 133 (lower)			0.74	1.38	93.28	0.68	36.9	0.3%
Window 133 (upper)			0.74	2.52	93.28	0.68	34.7	1.3%
Window 134			0.74	1.06	93.28	0.68	53.7	0.8%
Total ADF for room	Living/Dining	1.5%						2.4%
Window 135	Bedroom	1.0%	0.74	1.06	48.99	0.72	53.9	1.8%
Window 136			0.74	1.06	61.23	0.71	59.1	1.5%

Appendix 2 - Average Daylight Factor (ADF)

Brunel Walk, London N15 5HQ

Reference	Target ADF based on room use		Average Daylight Factor Coefficients					ADF
	Primary room use	ADF	T	Aw	A	R	θ	
Window 137			0.74	1.09	61.23	0.71	77.6	2.0%
Total ADF for room	Bedroom	1.0%						3.5%
Window 138	Bedroom	1.0%	0.74	1.09	59.01	0.72	72.5	2.1%
<u>Block C Unit 5</u>								
Window 139 (lower)			0.74	1.37	111.04	0.68	45.5	0.3%
Window 139 (upper)			0.74	2.49	111.04	0.68	38.6	1.2%
Window 140			0.74	1.36	111.04	0.68	66.2	1.1%
Total ADF for room	Bedroom	1.0%						2.6%
Window 141	Bedroom	1.0%	0.74	1.36	59.87	0.71	70.1	2.4%
Window 142	Bedroom	1.0%	0.74	1.36	56.02	0.72	65.1	2.4%
<u>Block C Unit 6</u>								
Window 143	Bedroom	1.0%	0.74	1.36	47.14	0.72	81.5	3.6%
Window 144			0.74	1.36	72.23	0.71	80.4	2.2%
Window 145			0.74	1.36	72.23	0.71	78.1	2.2%
Total ADF for room	Bedroom	1.0%						4.4%
Window 146	Bedroom	1.0%	0.74	1.09	60.03	0.72	70.4	2.0%
Window 147			0.74	1.09	112.99	0.68	66.9	0.9%
Window 148 (lower)			0.74	1.38	112.99	0.68	49.1	0.3%
Window 148 (upper)			0.74	2.52	112.99	0.68	47.2	1.4%
Window 149			0.74	1.36	112.99	0.68	62.8	1.0%
Total ADF for room	Living/Dining/Kitchen	2.0%						3.6%
<u>Block C Unit 7</u>								
Window 150	Kitchen	2.0%	0.74	1.09	47.21	0.72	32.1	1.1%
Window 151 (lower)			0.74	1.38	93.28	0.68	37.4	0.3%
Window 151 (upper)			0.74	2.52	93.28	0.68	35.9	1.3%
Window 152			0.74	1.06	93.28	0.68	56.6	0.9%
Total ADF for room	Living/Dining/Kitchen	2.0%						2.5%
Window 153	Bedroom	1.0%	0.74	1.06	48.99	0.72	56.8	1.9%
Window 154			0.74	1.06	61.23	0.71	61.4	1.6%
Window 155			0.74	1.09	61.23	0.71	84.6	2.2%
Total ADF for room	Bedroom	1.0%						3.8%
Window 156	Bedroom	1.0%	0.74	1.09	59.01	0.72	79.6	2.3%
<u>Block C Unit 8</u>								
Window 157 (lower)			0.74	1.37	111.04	0.68	48.3	0.3%
Window 157 (upper)			0.74	2.49	111.04	0.68	46.5	1.4%
Window 158			0.74	1.36	111.04	0.68	77.0	1.3%
Total ADF for room	Living/Dining/Kitchen	2.0%						3.0%
Window 159	Bedroom	1.0%	0.74	1.36	59.87	0.71	78.5	2.7%

Appendix 2 - Average Daylight Factor (ADF)

Brunel Walk, London N15 5HQ

Reference	Target ADF based on room use		Average Daylight Factor Coefficients					ADF
	Primary room use	ADF	T	Aw	A	R	θ	
Window 160	Bedroom	1.0%	0.74	1.36	56.02	0.72	70.1	2.6%
<u>Block C Unit 9</u>								
Window 161	Bedroom	1.0%	0.74	1.36	47.14	0.72	87.9	3.9%
Window 162			0.74	1.36	72.23	0.71	87.8	2.4%
Window 163			0.74	1.36	72.23	0.71	87.7	2.4%
Total ADF for room	Bedroom	1.0%						4.8%
Window 164	Bedroom	1.0%	0.74	1.09	60.03	0.72	77.4	2.1%
Window 165			0.74	1.09	112.99	0.68	77.8	1.0%
Window 166 (lower)			0.74	1.38	112.99	0.68	58.8	0.4%
Window 166 (upper)			0.74	2.52	112.99	0.68	58.8	1.8%
Window 167			0.74	1.36	112.99	0.68	65.2	1.1%
Total ADF for room	Living/Dining/Kitchen	2.0%						4.3%
<u>Block C Unit 10</u>								
Window 168			0.74	1.09	117.64	0.68	40.2	0.5%
Window 169 (lower)			0.74	1.38	117.64	0.68	46.7	0.3%
Window 169 (upper)			0.74	2.52	117.64	0.68	42.7	1.3%
Window 170			0.74	2.46	117.64	0.68	60.6	1.7%
Total ADF for room	Living/Dining/Kitchen	2.0%						3.8%
Window 171	Bedroom	1.0%	0.74	1.09	56.1	0.72	68.5	2.0%
Window 172			0.74	1.09	59.91	0.7	68.5	1.8%
Window 173			0.74	1.09	59.91	0.7	88.9	2.4%
Total ADF for room	Bedroom	1.0%						4.2%
<u>Block C Unit 11</u>								
Window 174 (lower)			0.74	1.37	111.04	0.68	62.6	0.4%
Window 174 (upper)			0.74	2.49	111.04	0.68	87.9	2.7%
Window 175			0.74	1.36	111.04	0.68	87.1	1.5%
Total ADF for room	Living/Dining/Kitchen	2.0%						4.6%
Window 176	Bedroom	1.0%	0.74	1.36	59.87	0.71	86.4	3.0%
Window 177	Bedroom	1.0%	0.74	1.36	56.02	0.72	75.8	2.8%
<u>Block D Unit 1</u>								
Window 178			0.74	0.92	57.95	0.71	68.1	1.6%
Window 179			0.74	0.92	57.95	0.71	56.6	1.4%
Total ADF for room	Kitchen	2.0%						3.0%
Window 180			0.74	0.92	90.52	0.67	59.5	0.8%
Window 181 (lower)			0.74	0.6	90.52	0.67	57.1	0.2%
Window 181 (upper)			0.74	1.1	90.52	0.67	59.1	1.0%
Window 182 (lower)			0.74	1.38	90.52	0.67	56.5	0.5%
Window 182 (upper)			0.74	2.52	90.52	0.67	52.2	1.9%
Total ADF for room	Living/Dining/Kitchen	2.0%						4.4%

Appendix 2 - Average Daylight Factor (ADF)

Brunel Walk, London N15 5HQ

Reference	Target ADF based on room use		Average Daylight Factor Coefficients					ADF
	Primary room use	ADF	T	Aw	A	R	θ	
Window 183	Bedroom	1.0%	0.74	1.05	68.85	0.71	75.0	1.7%
Window 184			0.74	1.05	68.85	0.71	62.4	1.4%
Total ADF for room								3.1%
Window 185	Bedroom	1.0%	0.74	1.05	58.95	0.71	64.7	1.7%
Window 186			0.74	1.05	58.95	0.71	65.1	1.7%
Total ADF for room								3.4%
Window 187	Bedroom	1.0%	0.74	1.05	42.17	0.72	64.9	2.5%
<u>Block D Unit 2</u>								
Window 188	Kitchen	2.0%	0.74	0.92	57.95	0.72	70.5	1.7%
Window 189 (lower)	Living/Dining	1.5%	0.74	1.38	90.52	0.68	58.9	0.5%
Window 189 (upper)			0.74	2.52	90.52	0.68	52.6	2.0%
Window 190 (lower)			0.74	0.6	90.52	0.68	58.8	0.2%
Window 190 (upper)			0.74	1.1	90.52	0.68	59.1	1.0%
Total ADF for room								3.7%
Window 191	Bedroom	1.0%	0.74	1.05	59.98	0.73	77.6	2.2%
Window 192	Bedroom	1.0%	0.74	1.05	42.17	0.72	65.0	2.5%
Window 193	Bedroom	1.0%	0.74	1.05	58.95	0.72	65.0	1.8%
<u>Block D Unit 3</u>								
Window 194	Kitchen	2.0%	0.74	0.92	58.18	0.72	67.5	1.7%
Window 195 (lower)	Living/Dining	1.5%	0.74	0.6	90.54	0.68	59.0	0.2%
Window 195 (upper)			0.74	1.1	90.54	0.68	59.2	1.0%
Window 196 (lower)			0.74	1.38	90.54	0.68	57.5	0.5%
Window 196 (upper)			0.74	2.52	90.54	0.68	52.3	2.0%
Total ADF for room								3.7%
Window 197	Bedroom	1.0%	0.74	1.05	68.85	0.73	76.9	1.8%
Window 198	Bedroom	1.0%	0.74	1.05	58.91	0.72	65.2	1.8%
Window 199	Bedroom	1.0%	0.74	1.05	42.2	0.72	65.1	2.5%
<u>Block D Unit 4</u>								
Window 200	Kitchen	2.0%	0.74	0.92	58.21	0.72	61.9	1.5%
Window 201 (lower)	Living/Dining	1.5%	0.74	1.38	90.66	0.68	58.9	0.5%
Window 201 (upper)			0.74	2.52	90.66	0.68	52.7	2.0%
Window 202 (lower)			0.74	0.6	90.66	0.68	57.6	0.2%
Window 202 (upper)			0.74	1.1	90.66	0.68	58.7	1.0%
Total ADF for room								3.7%

Appendix 2 - Average Daylight Factor (ADF)

Brunel Walk, London N15 5HQ

Reference	Target ADF based on room use		Average Daylight Factor Coefficients					ADF
	Primary room use	ADF	T	Aw	A	R	θ	
Window 203	Bedroom	1.0%	0.74	1.05	59.98	0.73	73.3	2.1%
Window 204	Bedroom	1.0%	0.74	1.05	42.17	0.72	65.1	2.5%
Window 205	Bedroom	1.0%	0.74	1.05	58.95	0.72	65.3	1.8%
<u>Block D Unit 5</u>								
Window 206	Kitchen	2.0%	0.74	0.92	58.53	0.72	70.6	1.7%
Window 207 (lower)			0.74	0.6	90.84	0.68	69.5	0.3%
Window 207 (upper)			0.74	1.1	90.84	0.68	78.3	1.3%
Window 208 (lower)			0.74	1.38	90.84	0.68	63.5	0.5%
Window 208 (upper)			0.74	2.52	90.84	0.68	76.6	2.9%
Total ADF for room	Living/Dining	1.5%						5.0%
Window 209	Bedroom	1.0%	0.74	1.05	68.85	0.73	79.3	1.9%
Window 210	Bedroom	1.0%	0.74	1.05	58.91	0.72	65.3	1.8%
Window 211	Bedroom	1.0%	0.74	1.05	42.2	0.72	65.2	2.5%
<u>Block D Unit 6</u>								
Window 212	Kitchen	2.0%	0.74	0.92	58.11	0.72	66.4	1.6%
Window 213 (lower)			0.74	1.38	90.66	0.68	65.2	0.5%
Window 213 (upper)			0.74	2.53	90.66	0.68	76.6	2.9%
Window 214 (lower)			0.74	0.6	90.66	0.68	63.7	0.2%
Window 214 (upper)			0.74	1.1	90.66	0.68	70.1	1.2%
Total ADF for room	Living/Dining	1.5%						4.8%
Window 215	Bedroom	1.0%	0.74	1.05	59.98	0.73	73.7	2.1%
Window 216	Bedroom	1.0%	0.74	1.05	42.17	0.72	64.8	2.5%
Window 217	Bedroom	1.0%	0.74	1.05	58.95	0.72	63.0	1.7%
<u>Block D Unit 7</u>								
Window 218 (lower)			0.74	0.74	65.68	0.7	61.6	0.4%
Window 218 (upper)			0.74	1.4	65.68	0.7	59.6	1.9%
Total ADF for room	Bedroom	1.0%						2.3%
Window 219 (lower)			0.74	0.74	63.39	0.71	65.0	0.4%
Window 219 (upper)			0.74	1.4	63.39	0.71	61.4	2.0%
Total ADF for room	Bedroom	1.0%						2.4%
Window 220 (lower)			0.74	1.34	125.12	0.67	69.7	0.4%
Window 220 (upper)			0.74	2.52	125.12	0.67	76.0	2.1%
Window 221 (lower)			0.74	0.59	125.12	0.67	70.5	0.2%

Appendix 2 - Average Daylight Factor (ADF)

Brunel Walk, London N15 5HQ

Reference	Target ADF based on room use		Average Daylight Factor Coefficients					ADF	
	Primary room use	ADF	T	Aw	A	R	θ		
Window 221 (upper)	Living/Dining/Kitchen	2.0%	0.74	1.12	125.12	0.67	75.1	0.9%	
Window 222			0.74	2.14	125.12	0.67	32.8	0.8%	
Total ADF for room									4.4%
<u>Block D Unit 8</u>									
Window 223	Bedroom	1.0%	0.74	1.04	44.09	0.72	30.2	1.1%	
Window 224			0.74	1.04	59.78	0.71	51.5	1.3%	
Window 225			0.74	1.04	59.78	0.71	67.9	1.8%	
Total ADF for room	Bedroom	1.0%						3.1%	
Window 226	Bedroom	1.0%	0.74	1.04	66.65	0.72	74.0	1.8%	
Window 227	Dining/Kitchen	2.0%	0.74	0.89	72.46	0.69	55.5	1.0%	
Window 228			0.74	0.89	72.46	0.69	56.4	1.0%	
Window 229 (lower)			0.74	0.6	72.46	0.69	79.5	0.4%	
Window 229 (upper)			0.74	1.1	72.46	0.69	81.6	1.8%	
Total ADF for room									4.2%
Window 230 (lower)			0.74	0.77	74.01	0.69	45.6	0.3%	
Window 230 (upper)			0.74	1.4	74.01	0.69	39.0	1.0%	
Window 231	Bedroom	1.0%	0.74	1.09	74.01	0.69	38.5	0.8%	
Total ADF for room								2.1%	
<u>Block D Unit 9</u>									
Window 232 (lower)	Living/Dining/Kitchen	2.0%	0.74	0.61	123.0	0.68	77.0	0.2%	
Window 232 (upper)			0.74	1.11	123.0	0.68	79.4	1.0%	
Window 233			0.74	1.09	123.0	0.68	45.4	0.6%	
Window 234 (lower)			0.74	0.77	123.0	0.68	51.9	0.2%	
Window 234 (upper)			0.74	1.4	123.0	0.68	48.4	0.8%	
Window 235			0.74	1.04	123.0	0.68	72.0	0.8%	
Total ADF for room									3.6%
Window 236	Bedroom	1.0%	0.74	1.04	56.5	0.71	71.1	1.9%	
Window 237			0.74	1.04	56.5	0.71	71.9	2.0%	
Total ADF for room								3.9%	
Window 238	Bedroom	1.0%	0.74	1.04	56.5	0.71	74.5	2.1%	
Window 239			0.74	0.89	56.5	0.71	63.1	1.5%	
Total ADF for room								3.6%	
<u>Block D Unit 10</u>									
Window 240	Living/Dining/Kitchen	2.0%	0.74	0.88	57.45	0.72	84.6	2.0%	
Window 241			0.74	0.88	106.78	0.66	83.7	0.9%	
Window 242			0.74	0.88	106.78	0.66	82.7	0.9%	
Window 243			0.74	0.88	106.78	0.66	76.6	0.8%	
Window 244 (lower)			0.74	1.38	106.78	0.66	58.6	0.4%	
Window 244 (upper)			0.74	2.52	106.78	0.66	58.4	1.8%	
Window 245			0.74	1.05	106.78	0.66	50.0	0.7%	
Total ADF for room							5.5%		

Appendix 2 - Average Daylight Factor (ADF)

Brunel Walk, London N15 5HQ

Reference	Target ADF based on room use		Average Daylight Factor Coefficients					ADF
	Primary room use	ADF	T	Aw	A	R	θ	
Window 246	Bedroom	1.0%	0.74	0.88	58.13	0.72	63.1	1.5%
<u>Block D Unit 11</u>								
Window 247 (lower)			0.74	1.38	117.77	0.7	47.5	0.3%
Window 247 (upper)			0.74	2.52	117.77	0.7	49.0	1.5%
Window 248			0.74	0.88	117.77	0.7	63.0	0.7%
Total ADF for room	Living/Dining/Kitchen	2.0%						2.5%
Window 249	Bedroom	1.0%	0.74	0.88	60.42	0.72	63.0	1.4%
<u>Block D Unit 12</u>								
Window 250	Bedroom	1.0%	0.74	0.88	57.48	0.72	63.0	1.5%
Window 251			0.74	1.05	105.73	0.67	48.9	0.7%
Window 252 (lower)			0.74	1.38	105.73	0.67	57.4	0.4%
Window 252 (upper)			0.74	2.52	105.73	0.67	56.3	1.8%
Window 253			0.74	0.88	105.73	0.67	83.6	0.9%
Window 254			0.74	0.88	105.73	0.67	86.1	1.0%
Total ADF for room	Living/Dining/Kitchen	2.0%						4.8%
Window 255			0.74	0.88	75.38	0.71	86.7	1.5%
Window 256			0.74	0.88	75.38	0.71	86.6	1.5%
Total ADF for room	Bedroom	1.0%						3.0%
<u>Block D Unit 13</u>								
Window 257	Bedroom	1.0%	0.74	1.04	44.09	0.72	47.5	1.7%
Window 258			0.74	1.04	59.78	0.71	62.8	1.6%
Window 259			0.74	1.04	59.78	0.71	73.1	1.9%
Total ADF for room	Bedroom	1.0%						3.5%
Window 260	Bedroom	1.0%	0.74	1.04	66.65	0.72	78.8	1.9%
Window 261			0.74	0.89	72.46	0.69	59.1	1.0%
Window 262			0.74	0.88	72.46	0.69	59.6	1.0%
Window 263 (lower)			0.74	0.6	72.46	0.69	86.1	0.4%
Window 263 (upper)			0.74	1.1	72.46	0.69	88.9	1.9%
Total ADF for room	Dining/Kitchen	2.0%						4.3%
Window 264 (lower)			0.74	0.77	74.01	0.69	61.2	0.4%
Window 264 (upper)			0.74	1.4	74.01	0.69	74.5	2.0%
Window 265			0.74	1.09	74.01	0.69	74.2	1.5%
Total ADF for room	Living Room	1.5%						3.9%
<u>Block D Unit 14</u>								
Window 266 (lower)			0.74	0.61	123.0	0.68	84.6	0.2%
Window 266 (upper)			0.74	1.11	123.0	0.68	88.8	1.1%
Window 267			0.74	1.09	123.0	0.68	82.6	1.0%
Window 268 (lower)			0.74	0.77	123.0	0.68	65.7	0.2%
Window 268 (upper)			0.74	1.4	123.0	0.68	86.4	1.3%
Window 269			0.74	1.04	123.0	0.68	83.2	1.0%

Appendix 2 - Average Daylight Factor (ADF)
Brunel Walk, London N15 5HQ

Reference	Target ADF based on room use		Average Daylight Factor Coefficients					ADF
	Primary room use	ADF	T	Aw	A	R	θ	
Total ADF for room	Living/Dining/Kitchen	2.0%						4.8%
Window 270			0.74	1.04	56.5	0.71	83.3	2.3%
Window 271			0.74	1.04	56.5	0.71	83.9	2.3%
Total ADF for room	Bedroom	1.0%						4.6%
Window 272			0.74	1.04	56.5	0.71	84.6	2.3%
Window 273			0.74	0.89	56.5	0.71	73.4	1.7%
Total ADF for room	Bedroom	1.0%						4.0%

Appendix 2 - Room Depth Calculation

Brunel Walk, London N15 5HQ

Reference	Room Depth Coefficients				Room Depth Calculation			Result
	L	W	H	Rb	L/W + L/H	<=	2/1-Rb	
<u>Block A Unit 1</u>								
Window 1	3.9	3.7	2.4	0.7	2.68	<=	6.77	Pass
Window 2	3.9	3.2	2.4	0.71	2.84	<=	6.91	Pass
<u>Block A Unit 3</u>								
Window 13	3.7	4.6	2.4	0.72	2.35	<=	7.12	Pass
<u>Block A Unit 4</u>								
Window 18	4.0	3.8	2.4	0.72	2.72	<=	7.13	Pass
Window 24	2.2	3.7	2.4	0.72	1.51	<=	7.15	Pass
<u>Block A Unit 6</u>								
Window 32	3.7	4.6	2.4	0.72	2.35	<=	7.12	Pass
<u>Block A Unit 7</u>								
Window 37	4.0	3.8	2.4	0.72	2.72	<=	7.13	Pass
Window 43	2.2	3.7	2.4	0.72	1.51	<=	7.15	Pass
<u>Block A Unit 8</u>								
Window 44	3.7	4.6	2.4	0.72	2.35	<=	7.12	Pass
<u>Block A Unit 9</u>								
Window 49	4.0	3.8	2.4	0.72	2.72	<=	7.13	Pass
Window 55	2.2	3.7	2.4	0.72	1.51	<=	7.15	Pass
<u>Block B Unit 1</u>								
Window 56	4.2	3.1	2.4	0.72	3.1	<=	7.13	Pass
<u>Block B Unit 2</u>								
Window 62	3.1	4.5	2.4	0.71	1.98	<=	6.8	Pass
Window 63	3.7	3.5	2.4	0.72	2.6	<=	7.21	Pass
<u>Block B Unit 3</u>								
Window 64	4.0	2.1	2.4	0.72	3.57	<=	7.12	Pass
Window 67	4.5	2.8	2.4	0.72	3.48	<=	7.11	Pass
<u>Block B Unit 4</u>								
Window 71	2.4	3.6	2.4	0.72	1.67	<=	7.15	Pass
Window 74	3.2	3.6	2.4	0.72	2.22	<=	7.24	Pass
Window 77	3.6	3.3	2.4	0.72	2.59	<=	7.21	Pass

Appendix 2 - Room Depth Calculation

Brunel Walk, London N15 5HQ

Reference	Room Depth Coefficients				Room Depth Calculation			Result
	L	W	H	Rb	L/W + L/H	<=	2/1-Rb	
<u>Block B Unit 5</u>								
Window 80	4.0	3.2	2.4	0.71	2.92	<=	7.0	Pass
Window 81	4.0	2.9	2.4	0.72	3.05	<=	7.14	Pass
<u>Block B Unit 6</u>								
Window 82	4.0	2.1	2.4	0.72	3.57	<=	7.12	Pass
Window 85	4.5	2.8	2.4	0.72	3.48	<=	7.11	Pass
<u>Block B Unit 7</u>								
Window 89	2.4	3.6	2.4	0.72	1.67	<=	7.15	Pass
Window 92	3.2	3.6	2.4	0.72	2.22	<=	7.24	Pass
Window 95	3.6	3.3	2.4	0.72	2.59	<=	7.21	Pass
<u>Block B Unit 8</u>								
Window 98	4.0	3.2	2.4	0.71	2.92	<=	7.0	Pass
Window 99	4.0	2.9	2.4	0.72	3.05	<=	7.04	Pass
<u>Block B Unit 9</u>								
Window 100	4.0	2.1	2.4	0.72	3.57	<=	7.12	Pass
Window 103	4.5	2.8	2.4	0.72	3.48	<=	7.11	Pass
<u>Block B Unit 10</u>								
Window 110	3.6	3.2	2.4	0.72	2.63	<=	7.1	Pass
<u>Block B Unit 11</u>								
Window 115	4.0	3.2	2.4	0.71	2.92	<=	7.0	Pass
Window 116	4.0	2.9	2.4	0.72	3.05	<=	7.04	Pass
<u>Block C Unit 1</u>								
Window 117	4.2	3.1	2.4	0.72	3.1	<=	7.13	Pass
<u>Block C Unit 2</u>								
Window 123	3.1	4.5	2.4	0.71	1.98	<=	6.8	Pass
Window 124	3.7	3.5	2.4	0.72	2.6	<=	7.21	Pass
<u>Block C Unit 3</u>								
Window 125	4.0	2.1	2.4	0.72	3.57	<=	7.12	Pass
Window 128	4.5	2.8	2.4	0.72	3.48	<=	7.11	Pass

Appendix 2 - Room Depth Calculation

Brunel Walk, London N15 5HQ

Reference	Room Depth Coefficients				Room Depth Calculation			Result
	L	W	H	Rb	L/W + L/H	<=	2/1-Rb	
<u>Block C Unit 4</u>								
Window 132	2.4	3.6	2.4	0.72	1.67	<=	7.15	Pass
Window 135	3.2	3.6	2.4	0.72	2.22	<=	7.24	Pass
Window 138	3.6	3.3	2.4	0.72	2.59	<=	7.21	Pass
<u>Block C Unit 5</u>								
Window 141	4.0	3.2	2.4	0.71	2.92	<=	7.0	Pass
Window 142	4.0	2.9	2.4	0.72	3.05	<=	7.04	Pass
<u>Block C Unit 6</u>								
Window 143	4.0	2.1	2.4	0.72	3.57	<=	7.12	Pass
Window 146	4.5	2.8	2.4	0.72	3.48	<=	7.11	Pass
<u>Block C Unit 7</u>								
Window 150	2.4	3.6	2.4	0.72	1.67	<=	7.15	Pass
Window 153	3.2	3.6	2.4	0.72	2.22	<=	7.24	Pass
Window 156	3.6	3.3	2.4	0.72	2.59	<=	7.21	Pass
<u>Block C Unit 8</u>								
Window 159	4.0	3.2	2.4	0.71	2.92	<=	7.0	Pass
Window 160	4.0	2.9	2.4	0.72	3.05	<=	7.04	Pass
<u>Block C Unit 9</u>								
Window 161	4.0	2.1	2.4	0.72	3.57	<=	7.12	Pass
Window 164	4.5	2.8	2.4	0.72	3.48	<=	7.11	Pass
<u>Block C Unit 10</u>								
Window 171	3.6	3.2	2.4	0.72	2.63	<=	7.1	Pass
<u>Block C Unit 11</u>								
Window 176	4.0	3.2	2.4	0.71	2.92	<=	7.0	Pass
Window 177	4.0	2.9	2.4	0.72	3.05	<=	7.04	Pass
<u>Block D Unit 1</u>								
Window 187	3.0	2.6	2.4	0.72	2.4	<=	7.25	Pass
<u>Block D Unit 2</u>								
Window 188	4.7	2.6	2.4	0.72	3.77	<=	7.26	Pass

Appendix 2 - Room Depth Calculation

Brunel Walk, London N15 5HQ

Reference	Room Depth Coefficients				Room Depth Calculation			Result
	L	W	H	Rb	L/W + L/H	<=	2/1-Rb	
Window 191	4.5	3.6	2.4	0.73	3.13	<=	7.45	Pass
Window 192	3.0	2.6	2.4	0.72	2.4	<=	7.25	Pass
Window 193	4.1	3.0	2.4	0.72	3.08	<=	7.1	Pass
<u>Block D Unit 3</u>								
Window 194	4.7	2.6	2.4	0.72	3.77	<=	7.25	Pass
Window 197	4.5	3.6	2.4	0.73	3.13	<=	7.28	Pass
Window 198	4.1	3.0	2.4	0.72	3.08	<=	7.1	Pass
Window 199	3.0	2.6	2.4	0.72	2.4	<=	7.25	Pass
<u>Block D Unit 4</u>								
Window 200	4.7	2.6	2.4	0.72	3.77	<=	7.26	Pass
Window 203	4.5	3.6	2.4	0.73	3.13	<=	7.45	Pass
Window 204	3.0	2.6	2.4	0.72	2.4	<=	7.25	Pass
Window 205	4.1	3.0	2.4	0.72	3.08	<=	7.1	Pass
<u>Block D Unit 5</u>								
Window 206	4.7	2.6	2.4	0.72	3.77	<=	7.25	Pass
Window 209	4.5	3.6	2.4	0.73	3.13	<=	7.28	Pass
Window 210	4.1	3.0	2.4	0.72	3.08	<=	7.1	Pass
Window 211	3.0	2.6	2.4	0.72	2.4	<=	7.25	Pass
<u>Block D Unit 6</u>								
Window 212	4.7	2.6	2.4	0.72	3.77	<=	7.26	Pass
Window 215	4.5	3.6	2.4	0.73	3.13	<=	7.45	Pass
Window 216	3.0	2.6	2.4	0.72	2.4	<=	7.25	Pass
Window 217	4.1	3.0	2.4	0.72	3.08	<=	7.1	Pass
<u>Block D Unit 7</u>								
Window 218	4.1	3.5	2.4	0.7	2.88	<=	6.76	Pass
Window 219	3.2	4.3	2.4	0.71	2.08	<=	6.78	Pass
<u>Block D Unit 8</u>								
Window 223	2.3	3.6	2.4	0.72	1.6	<=	7.27	Pass
Window 226	4.0	5.1	2.4	0.72	2.45	<=	7.22	Pass

Appendix 2 - Room Depth Calculation

Brunel Walk, London N15 5HQ

Reference	Room Depth Coefficients				Room Depth Calculation			Result
	L	W	H	Rb	L/W + L/H	<=	2/1-Rb	
<u>Block D Unit 10</u>								
Window 240	3.0	4.0	2.4	0.72	2.0	<=	7.17	Pass
Window 246	3.0	4.2	2.4	0.72	1.96	<=	7.22	Pass
<u>Block D Unit 11</u>								
Window 249	3.3	3.9	2.4	0.72	2.22	<=	7.13	Pass
<u>Block D Unit 12</u>								
Window 250	2.8	4.3	2.4	0.72	1.82	<=	7.19	Pass
<u>Block D Unit 13</u>								
Window 257	2.3	3.6	2.4	0.72	1.6	<=	7.27	Pass
Window 260	4.0	5.1	2.4	0.72	2.45	<=	7.22	Pass

Appendix 2 - Sunlight to Windows

Brunel Walk, London N15 5HQ

Reference	Room Use	APSH	
		Total	Winter
<u>Block A Unit 1</u>			
Window 1	Bedroom	27%	20%
Window 2	Bedroom	22%	18%
Window 3	Living/Dining/Kitchen	33%	23%
Window 4	Living/Dining/Kitchen	12%	3%
Window 5	Living/Dining/Kitchen	0%	0%
<u>Block A Unit 2</u>			
Window 6	Living/Dining/Kitchen	4%	2%
Window 7	Living/Dining/Kitchen	1%	0%
Window 8	Living/Dining/Kitchen	18%	3%
Window 9	Living/Dining/Kitchen	16%	1%
Window 10	Living/Dining/Kitchen	0%	0%
Window 11	Bedroom	0%	0%
Window 12	Bedroom	19%	2%
<u>Block A Unit 3</u>			
Window 13	Bedroom	13%	7%
Window 14	Living/Dining/Kitchen	20%	9%
Window 15	Living/Dining/Kitchen	17%	15%
<u>Block A Unit 4</u>			
Window 16	Bedroom	15%	2%
Window 17	Bedroom	16%	13%
Window 18	Bedroom	16%	13%
Window 19	Living Room	23%	13%
Window 20	Living Room	8%	4%
Window 21	Living Room	8%	3%
Window 22	Dining/Kitchen	20%	4%
Window 23	Dining/Kitchen	0%	0%
Window 24	Bedroom	0%	0%
<u>Block A Unit 5</u>			
Window 25	Living/Dining/Kitchen	4%	2%
Window 26	Living/Dining/Kitchen	0%	0%

Appendix 2 - Sunlight to Windows

Brunel Walk, London N15 5HQ

Reference	Room Use	APSH	
		Total	Winter
Window 27	Living/Dining/Kitchen	24%	3%
Window 28	Living/Dining/Kitchen	20%	2%
Window 29	Living/Dining/Kitchen	0%	0%
Window 30	Bedroom	0%	0%
Window 31	Bedroom	19%	2%
<u>Block A Unit 6</u>			
Window 32	Bedroom	13%	7%
Window 33	Living/Dining/Kitchen	20%	9%
Window 34	Living/Dining/Kitchen	17%	15%
<u>Block A Unit 7</u>			
Window 35	Bedroom	15%	2%
Window 36	Bedroom	16%	13%
Window 37	Bedroom	16%	13%
Window 38	Living Room	23%	13%
Window 39	Living Room	12%	4%
Window 40	Living Room	14%	3%
Window 41	Dining/Kitchen	24%	4%
Window 42	Dining/Kitchen	0%	0%
Window 43	Bedroom	0%	0%
<u>Block A Unit 8</u>			
Window 44	Bedroom	22%	14%
Window 45	Living/Dining/Kitchen	21%	9%
Window 46	Living/Dining/Kitchen	17%	15%
<u>Block A Unit 9</u>			
Window 47	Bedroom	15%	2%
Window 48	Bedroom	17%	13%
Window 49	Bedroom	17%	13%
Window 50	Living Room	23%	13%
Window 51	Living Room	32%	7%
Window 52	Living Room	26%	4%
Window 53	Dining/Kitchen	26%	4%
Window 54	Dining/Kitchen	0%	0%

Appendix 2 - Sunlight to Windows

Brunel Walk, London N15 5HQ

Reference	Room Use	APSH	
		Total	Winter
Window 55	Bedroom	0%	0%
<u>Block B Unit 1</u>			
Window 56	Bedroom	8%	2%
Window 57	Living/Dining/Kitchen	21%	20%
Window 58	Living/Dining/Kitchen	15%	13%
<u>Block B Unit 2</u>			
Window 59	Living/Dining/Kitchen	2%	2%
Window 60	Living/Dining/Kitchen	5%	1%
Window 61	Living/Dining/Kitchen	35%	25%
Window 62	Bedroom	25%	20%
Window 63	Bedroom	13%	2%
<u>Block B Unit 3</u>			
Window 64	Bedroom	0%	0%
Window 65	Bedroom	0%	0%
Window 66	Bedroom	0%	0%
Window 67	Bedroom	13%	0%
Window 68	Living/Dining/Kitchen	12%	2%
Window 69	Living/Dining/Kitchen	15%	9%
Window 70	Living/Dining/Kitchen	22%	18%
<u>Block B Unit 4</u>			
Window 71	Kitchen	2%	2%
Window 72	Living/Dining	11%	6%
Window 73	Living/Dining	17%	13%
Window 74	Bedroom	17%	13%
Window 75	Bedroom	23%	13%
Window 76	Bedroom	18%	4%
Window 77	Bedroom	16%	2%
<u>Block B Unit 5</u>			
Window 78	Living/Dining/Kitchen	6%	1%
Window 79	Living/Dining/Kitchen	0%	0%

Appendix 2 - Sunlight to Windows

Brunel Walk, London N15 5HQ

Reference	Room Use	APSH	
		Total	Winter
Window 80	Bedroom	0%	0%
Window 81	Bedroom	0%	0%
<u>Block B Unit 6</u>			
Window 82	Bedroom	0%	0%
Window 83	Bedroom	0%	0%
Window 84	Bedroom	0%	0%
Window 85	Bedroom	15%	0%
Window 86	Living/Dining/Kitchen	15%	2%
Window 87	Living/Dining/Kitchen	18%	9%
Window 88	Living/Dining/Kitchen	22%	18%
<u>Block B Unit 7</u>			
Window 89	Kitchen	2%	2%
Window 90	Living/Dining	12%	6%
Window 91	Living/Dining	18%	13%
Window 92	Bedroom	18%	13%
Window 93	Bedroom	23%	13%
Window 94	Bedroom	25%	4%
Window 95	Bedroom	23%	2%
<u>Block B Unit 8</u>			
Window 96	Living/Dining/Kitchen	9%	1%
Window 97	Living/Dining/Kitchen	0%	0%
Window 98	Bedroom	0%	0%
Window 99	Bedroom	0%	0%
<u>Block B Unit 9</u>			
Window 100	Bedroom	0%	0%
Window 101	Bedroom	0%	0%
Window 102	Bedroom	0%	0%
Window 103	Bedroom	18%	1%
Window 104	Living/Dining/Kitchen	19%	2%
Window 105	Living/Dining/Kitchen	21%	9%
Window 106	Living/Dining/Kitchen	22%	18%

Appendix 2 - Sunlight to Windows

Brunel Walk, London N15 5HQ

Reference	Room Use	APSH	
		Total	Winter
<u>Block B Unit 10</u>			
Window 107	Living/Dining/Kitchen	7%	5%
Window 108	Living/Dining/Kitchen	16%	9%
Window 109	Living/Dining/Kitchen	22%	20%
Window 110	Bedroom	19%	17%
Window 111	Bedroom	20%	17%
Window 112	Bedroom	26%	4%
<u>Block B Unit 11</u>			
Window 113	Living/Dining/Kitchen	31%	6%
Window 114	Living/Dining/Kitchen	0%	0%
Window 115	Bedroom	0%	0%
Window 116	Bedroom	0%	0%
<u>Block C Unit 1</u>			
Window 117	Bedroom	8%	2%
Window 118	Living/Dining/Kitchen	21%	20%
Window 119	Living/Dining/Kitchen	15%	13%
<u>Block C Unit 2</u>			
Window 120	Living/Dining/Kitchen	2%	2%
Window 121	Living/Dining/Kitchen	7%	1%
Window 122	Living/Dining/Kitchen	35%	25%
Window 123	Bedroom	25%	20%
Window 124	Bedroom	21%	2%
<u>Block C Unit 3</u>			
Window 125	Bedroom	0%	0%
Window 126	Bedroom	0%	0%
Window 127	Bedroom	0%	0%
Window 128	Bedroom	12%	1%
Window 129	Living/Dining/Kitchen	11%	2%
Window 130	Living/Dining/Kitchen	15%	9%
Window 131	Living/Dining/Kitchen	22%	18%

Appendix 2 - Sunlight to Windows

Brunel Walk, London N15 5HQ

Reference	Room Use	APSH	
		Total	Winter
<u>Block C Unit 4</u>			
Window 132	Kitchen	2%	2%
Window 133	Living/Dining	13%	6%
Window 134	Living/Dining	17%	13%
Window 135	Bedroom	17%	13%
Window 136	Bedroom	23%	13%
Window 137	Bedroom	26%	4%
Window 138	Bedroom	25%	3%
<u>Block C Unit 5</u>			
Window 139	Bedroom	10%	2%
Window 140	Bedroom	0%	0%
Window 141	Bedroom	0%	0%
Window 142	Bedroom	0%	0%
<u>Block C Unit 6</u>			
Window 143	Bedroom	0%	0%
Window 144	Bedroom	0%	0%
Window 145	Bedroom	0%	0%
Window 146	Bedroom	14%	1%
Window 147	Living/Dining/Kitchen	13%	2%
Window 148	Living/Dining/Kitchen	18%	9%
Window 149	Living/Dining/Kitchen	22%	18%
<u>Block C Unit 7</u>			
Window 150	Kitchen	2%	2%
Window 151	Living/Dining/Kitchen	13%	6%
Window 152	Living/Dining/Kitchen	18%	13%
Window 153	Bedroom	18%	13%
Window 154	Bedroom	23%	13%
Window 155	Bedroom	26%	4%
Window 156	Bedroom	26%	4%

Appendix 2 - Sunlight to Windows

Brunel Walk, London N15 5HQ

Reference	Room Use	APSH	
		Total	Winter
<u>Block C Unit 8</u>			
Window 157	Living/Dining/Kitchen	12%	4%
Window 158	Living/Dining/Kitchen	0%	0%
Window 159	Bedroom	0%	0%
Window 160	Bedroom	0%	0%
<u>Block C Unit 9</u>			
Window 161	Bedroom	0%	0%
Window 162	Bedroom	0%	0%
Window 163	Bedroom	0%	0%
Window 164	Bedroom	19%	2%
Window 165	Living/Dining/Kitchen	19%	2%
Window 166	Living/Dining/Kitchen	21%	9%
Window 167	Living/Dining/Kitchen	22%	18%
<u>Block C Unit 10</u>			
Window 168	Living/Dining/Kitchen	7%	5%
Window 169	Living/Dining/Kitchen	16%	9%
Window 170	Living/Dining/Kitchen	22%	20%
Window 171	Bedroom	19%	17%
Window 172	Bedroom	20%	17%
Window 173	Bedroom	26%	4%
<u>Block C Unit 11</u>			
Window 174	Living/Dining/Kitchen	32%	7%
Window 175	Living/Dining/Kitchen	0%	0%
Window 176	Bedroom	0%	0%
Window 177	Bedroom	0%	0%
<u>Block D Unit 1</u>			
Window 178	Kitchen	0%	0%
Window 179	Kitchen	5%	0%

Appendix 2 - Sunlight to Windows

Brunel Walk, London N15 5HQ

Reference	Room Use	APSH	
		Total	Winter
Window 180	Living/Dining/Kitchen	6%	0%
Window 181	Living/Dining/Kitchen	21%	17%
Window 182	Living/Dining/Kitchen	23%	20%
Window 183	Bedroom	0%	0%
Window 184	Bedroom	5%	0%
Window 185	Bedroom	6%	0%
Window 186	Bedroom	21%	18%
Window 187	Bedroom	21%	18%
<u>Block D Unit 2</u>			
Window 188	Kitchen	0%	0%
Window 189	Living/Dining	23%	20%
Window 190	Living/Dining	21%	17%
Window 191	Bedroom	0%	0%
Window 192	Bedroom	21%	18%
Window 193	Bedroom	21%	18%
<u>Block D Unit 3</u>			
Window 194	Kitchen	0%	0%
Window 195	Living/Dining	22%	18%
Window 196	Living/Dining	22%	20%
Window 197	Bedroom	0%	0%
Window 198	Bedroom	21%	18%
Window 199	Bedroom	21%	18%
<u>Block D Unit 4</u>			
Window 200	Kitchen	0%	0%
Window 201	Living/Dining	22%	19%
Window 202	Living/Dining	22%	18%

Appendix 2 - Sunlight to Windows

Brunel Walk, London N15 5HQ

Reference	Room Use	APSH	
		Total	Winter
Window 203	Bedroom	0%	0%
Window 204	Bedroom	21%	18%
Window 205	Bedroom	21%	18%
<u>Block D Unit 5</u>			
Window 206	Kitchen	0%	0%
Window 207	Living/Dining	37%	21%
Window 208	Living/Dining	52%	26%
Window 209	Bedroom	0%	0%
Window 210	Bedroom	21%	18%
Window 211	Bedroom	21%	18%
<u>Block D Unit 6</u>			
Window 212	Kitchen	0%	0%
Window 213	Living/Dining	51%	25%
Window 214	Living/Dining	35%	19%
Window 215	Bedroom	0%	0%
Window 216	Bedroom	21%	18%
Window 217	Bedroom	21%	18%
<u>Block D Unit 7</u>			
Window 218	Bedroom	23%	18%
Window 219	Bedroom	25%	17%
Window 220	Living/Dining/Kitchen	50%	24%
Window 221	Living/Dining/Kitchen	29%	4%
Window 222	Living/Dining/Kitchen	11%	5%

Appendix 2 - Sunlight to Windows

Brunel Walk, London N15 5HQ

Reference	Room Use	APSH	
		Total	Winter
<u>Block D Unit 8</u>			
Window 223	Bedroom	0%	0%
Window 224	Bedroom	9%	0%
Window 225	Bedroom	29%	13%
Window 226	Bedroom	35%	14%
Window 227	Dining/Kitchen	14%	14%
Window 228	Dining/Kitchen	14%	14%
Window 229	Dining/Kitchen	31%	5%
Window 230	Bedroom	11%	5%
Window 231	Bedroom	11%	5%
<u>Block D Unit 9</u>			
Window 232	Living/Dining/Kitchen	30%	5%
Window 233	Living/Dining/Kitchen	11%	4%
Window 234	Living/Dining/Kitchen	14%	6%
Window 235	Living/Dining/Kitchen	0%	0%
Window 236	Bedroom	0%	0%
Window 237	Bedroom	0%	0%
Window 238	Bedroom	0%	0%
Window 239	Bedroom	9%	0%
<u>Block D Unit 10</u>			
Window 240	Bedroom	0%	0%
Window 241	Living/Dining/Kitchen	0%	0%
Window 242	Living/Dining/Kitchen	0%	0%
Window 243	Living/Dining/Kitchen	13%	2%
Window 244	Living/Dining/Kitchen	23%	20%
Window 245	Living/Dining/Kitchen	14%	12%
Window 246	Bedroom	18%	16%
<u>Block D Unit 11</u>			
Window 247	Living/Dining/Kitchen	15%	15%
Window 248	Living/Dining/Kitchen	18%	16%
Window 249	Bedroom	18%	16%

Appendix 2 - Sunlight to Windows

Brunel Walk, London N15 5HQ

Reference	Room Use	APSH	
		Total	Winter
<u>Block D Unit 12</u>			
Window 250	Bedroom	18%	16%
Window 251	Living/Dining/Kitchen	13%	12%
Window 252	Living/Dining/Kitchen	21%	20%
Window 253	Living/Dining/Kitchen	0%	0%
Window 254	Living/Dining/Kitchen	0%	0%
Window 255	Bedroom	0%	0%
Window 256	Bedroom	0%	0%
<u>Block D Unit 13</u>			
Window 257	Bedroom	9%	1%
Window 258	Bedroom	10%	0%
Window 259	Bedroom	30%	13%
Window 260	Bedroom	35%	14%
Window 261	Dining/Kitchen	14%	14%
Window 262	Dining/Kitchen	13%	13%
Window 263	Dining/Kitchen	31%	5%
Window 264	Living Room	30%	5%
Window 265	Living Room	34%	8%
<u>Block D Unit 14</u>			
Window 266	Living/Dining/Kitchen	31%	5%
Window 267	Living/Dining/Kitchen	31%	6%
Window 268	Living/Dining/Kitchen	37%	9%
Window 269	Living/Dining/Kitchen	0%	0%
Window 270	Bedroom	0%	0%
Window 271	Bedroom	0%	0%
Window 272	Bedroom	0%	0%
Window 273	Bedroom	15%	0%

Appendix 2 - Overshadowing to Gardens and Open Spaces

Brunel Walk, London N15 5HQ

Reference	Total Area	Area receiving at least 2 hours of sunlight on 21 March	
<u>Block A Unit 1</u>			
<u>Block A Ground Floor</u>			
Garden 1	88.48 m2	32.01 m2	36%
<u>Block B Unit 1</u>			
<u>Block B Ground Floor</u>			
Garden 2	46.85 m2	29.67 m2	63%
<u>Block B Unit 2</u>			
<u>Block B Ground Floor</u>			
Garden 3	66.1 m2	28.93 m2	44%
<u>Block C Unit 1</u>			
<u>Block C Ground Floor</u>			
Garden 4	42.89 m2	27.48 m2	64%
<u>Block C Unit 2</u>			
<u>Block C Ground Floor</u>			
Garden 5	71.35 m2	45.53 m2	64%
<u>Block D Unit 1</u>			
<u>Block D Ground Floor</u>			
Garden 6	26.9 m2	13.86 m2	52%
<u>Block D Unit 2</u>			
<u>Block D Ground Floor</u>			
Garden 7	28.26 m2	15.2 m2	54%
<u>Block D Unit 3</u>			
<u>Block D Ground Floor</u>			
Garden 8	27.63 m2	15.44 m2	56%
<u>Block D Unit 4</u>			
<u>Block D Ground Floor</u>			
Garden 9	28.53 m2	16.58 m2	58%
<u>Block D Unit 5</u>			
<u>Block D Ground Floor</u>			
Garden 10	45.46 m2	27.74 m2	61%
<u>Block D Unit 6</u>			
<u>Block D Ground Floor</u>			
Garden 11	50.09 m2	31.92 m2	64%
<u>Block D Unit 7</u>			
<u>Block D Ground Floor</u>			
Garden 12	55.72 m2	27.0 m2	48%

APPENDIX 3

OVERSHADOWING TO GARDENS & OPEN SPACES



Key



Receives under two hours sunlight on 21st March.



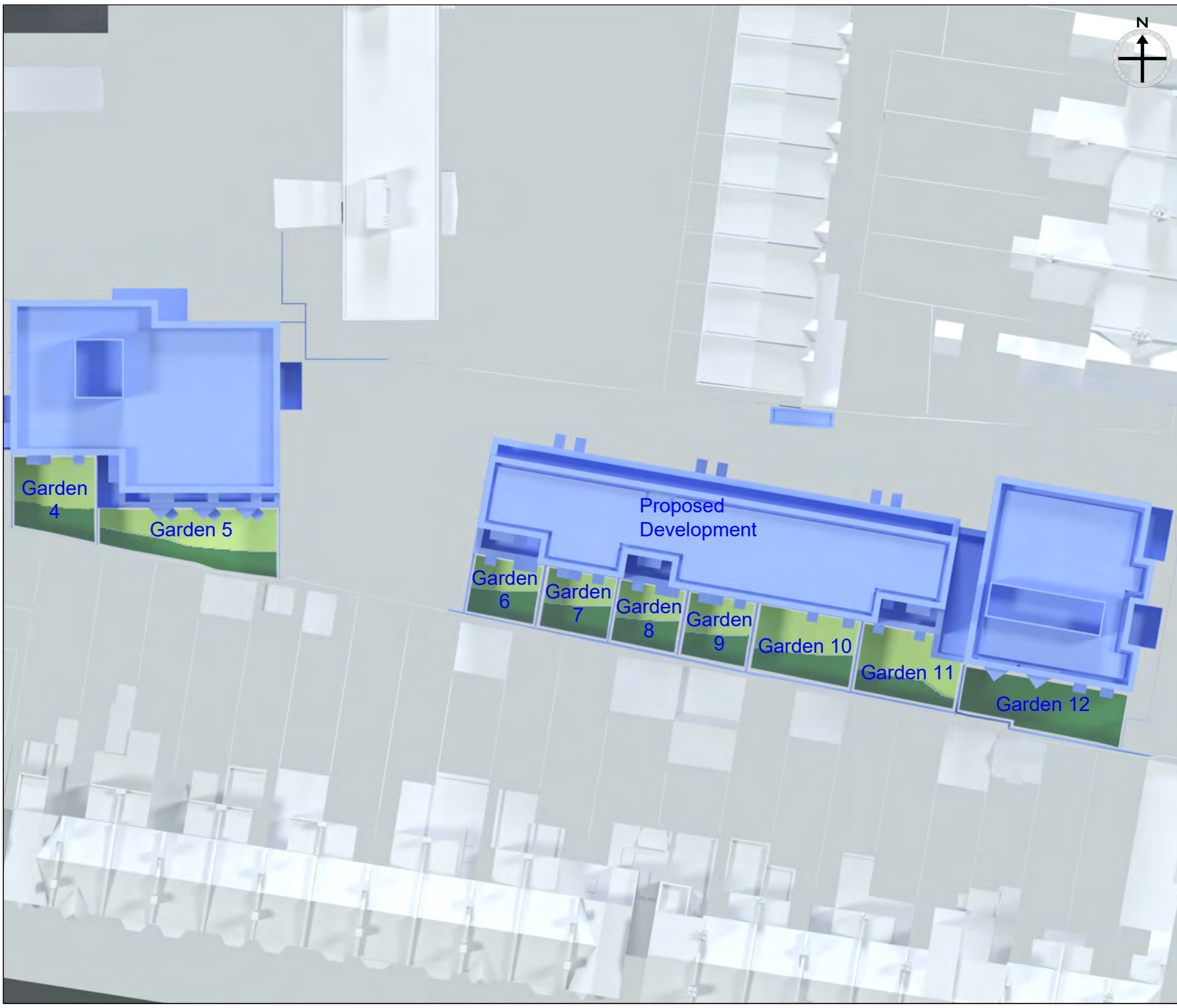
Receives at least two hours sunlight on 21st March.

Drawing Title: Appendix 3 - Overshadowing to Gardens and Open Spaces



Right of Light Consulting

Burley House
15 - 17 High Street
Rayleigh
Essex
SS6 7EW
TEL 0800 197 4836
E-MAIL enquiries@right-of-light.co.uk
WEBSITE www.right-of-light.co.uk



Key



Receives under two hours sunlight on 21st March.



Receives at least two hours sunlight on 21st March.

Drawing Title: Appendix 3 - Overshadowing to Gardens and Open Spaces



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