



RIGHT OF LIGHT
CONSULTING
Chartered Surveyors

Daylight and Sunlight Report

(Within Development)

19 August 2022

Brunel Walk
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N15 5HQ

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DAYLIGHT AND SUNLIGHT REPORT
Brunel Walk, London N15 5HQ

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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, 3rd Edition' by P J Littlefair 2022.
- 1.1.3 Appendix 1 identifies the windows and amenity areas analysed in this assessment. Daylight provision data and contours for the habitable rooms are presented in Appendix 2. Exposure to sunlight data is provided in Appendix 3. Overshadowing to gardens and opens spaces data and contours drawings are provided in Appendix 4.
- 1.1.4 Whilst the numerical results demonstrate that a number of rooms do not meet the BRE recommendations, the results are not unusual in the context of an urban location. It is important to note that some of the rooms which do not meet the daylight recommendations have balconies above them. This is in order to provide private amenity space to the occupants. Whilst this does limit some of the daylight available to the units, on balance, it is considered preferable to retain these, as they provide additional benefits to the residents of the development. If the balconies were to be removed, then the levels of daylight would be greatly improved. Therefore, in overall terms the scheme represents a relatively high level of compliance with the BRE recommendations and, in our opinion, there are material considerations which outweigh the slightly lower daylight levels. We would therefore expect the local authority to balance daylight and sunlight considerations against all other material planning considerations, including the wider benefits such as the provision of the private amenity areas, when deciding whether to grant planning permission.

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, 3rd Edition' by P J Littlefair 2022. The BRE guide is based on European standard BS EN 17037 'Daylight in Buildings', 2019 (BS EN 17037).
- 3.1.2 The standards set out in the BRE guide are intended to be used flexibly. The BRE guide states:
- 3.1.3 "The guide is intended for building designers and their clients, consultants and planning officials. The advice given here is not mandatory and the guide should not be seen as an instrument of planning policy; its aim is to help rather than constrain the designer. Although it gives numerical guidelines, these should be interpreted flexibly, since natural lighting is only one of many factors in site layout design."
- 3.1.4 In reference to applying different numerical target values in different locations, the BRE guide states:
- 3.1.5 "These values are purely advisory and different targets may be used based on the special requirements of the proposed development or its location."

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 National Planning Practice Guidance

- 3.3.1 The BRE numerical guidelines should also be considered in the context of the National Planning Practice Guidance (NPPG). The NPPG states that developments should maintain acceptable living standards. It goes on to explain that what this means in practice is that appropriate levels of sunlight and daylight, will depend to some extent on the context for the development. This is consistent with the BRE guide which as noted in paragraphs 3.1.4 to 3.1.5 above, states that site location is a relevant factor when setting sunlight and daylight targets.

3.4 Interior Daylighting

- 3.4.1 The BRE guide recommends that interior daylighting is checked using the daylight provision test set out in BS EN 17037. The test measures both the amount of daylight, as well as the distribution of daylight within a room. The 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.
- 3.4.2 The assessment is carried out using a grid of points on a horizontal reference plane in each room. In accordance with the BRE recommendations, we have set the reference plane at 850mm above the floor and have excluded assessment points from a 0.3m wide band around the perimeter of each room.
- 3.4.3 The UK National Annex to BS EN 17037 gives UK specific minimum illuminance recommendations which we have set as the targets for this project. The targets comprise of 100 lux in bedrooms, 150 lux in living rooms and 200 lux in kitchens to be exceeded over at least 50% of the reference plane.
- 3.4.4 Where a room has a shared use, the highest target should apply. However, the guide states that local authorities could use discretion here. For example, the target for a living room could be used for a combined living/dining/kitchen area if the kitchens are not treated as habitable spaces, as it may avoid small separate kitchens in a design.
- 3.4.5 The data in Appendix 2 sets out the percentage of the reference plane that meets the relevant lux target for the given room use. The median illuminance (lux) achieved for

each room is also presented. Where the median illuminance exceeds the lux target, this means the lux target has been achieved over at least 50% of the assessment grid.

3.4.6 The daylight provision test may be carried out using either the daylight factor method, or the interior illuminance method. For the purpose of this assessment, we have adopted the daylight factor method. Using the conversion table set out in the BRE guide, we have expressed the results in terms of lux.

3.4.7 Since the assessment is based on a computer simulation, it is necessary to set various surface reflectance values. By example, a 0.6 reflectance means that 60% of the light hitting the surface will be reflected. For the purpose of this assessment, we have assumed the following reflectances:

<u>Surface</u>	<u>Reflectance</u>
Interior walls	0.7
Window reveals	0.7
Ceilings	0.8
Floors	0.45
Exterior walls and obstructions	0.2
Exterior ground	0.2
Exterior glazing	0.064

3.4.8 We have assumed that each window is double-glazed and has a glazed area that equates to 80% of the structural opening size. A diffuse glazing transmittance value, inclusive of a maintenance factor to allow for the effect of dirt on the glazing, of 0.66 has been used.

3.5 Exposure to Sunlight

3.5.1 The BRE guide states that the main requirement for sunlight is in living rooms, where it is valued at any time of day but especially in the afternoon. Sunlight is also required in conservatories. It is viewed as less important in bedrooms and in kitchens, where people prefer it in the morning rather than the afternoon.

3.5.2 The BRE guide states that, in general, a dwelling will appear reasonably sunlit provided:

- at least one main window wall faces within 90 degrees of due south, and
- a habitable room, preferably a main living room, can receive a total of at least 1.5 hours of sunlight on 21 March.

-
- 3.3.1 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.

3.6 Overshadowing to Gardens and Open Spaces

- 3.6.1 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.
- 3.6.2 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 Windows and Amenity Areas Analysed

4.1.1 Appendix 1 identifies the windows serving habitable rooms analysed in this assessment.

4.1.2 We have also identified the outdoor amenity areas that have been assessed.

4.2 Interior Daylighting

4.2.1 Daylight provision data and contours for the habitable rooms are presented in Appendix 2.

4.2.2 The results confirm that a number of rooms do not meet their daylight provision targets (83 of the 163 rooms tested meet or surpass the recommendations). Whilst a number of rooms fall short of the daylight provision targets, we note that the results are not unusual in the context of an urban location.

4.2.3 In addition to the above, we note that some of the rooms which do not meet the BRE interior daylighting recommendations, have balconies above them. This is in order to provide private amenity space to the occupants. Whilst this does limit some of the daylight available to the units, on balance, it is considered preferable to retain these, as they provide additional benefits to the residents of the development. If the balconies were to be removed, then the interior daylighting levels would greatly improve. Therefore, in our opinion, there are material considerations which outweigh the lower daylight levels values for the aforementioned rooms.

4.3 Exposure to Sunlight

4.3.1 Exposure to sunlight data is provided in Appendix 3.

4.3.2 In the case of the proposed development, all units have a habitable room window which faces within 90 degrees of due south. All units also have a habitable room which receives a total of at least 1.5 hours of sunlight on 21 March. The proposed development therefore satisfies the BRE exposure to sunlight requirements.

4.4 Overshadowing to Gardens and Open Spaces

- 4.4.1 Overshadowing to gardens and opens spaces data and contours drawings are provided in Appendix 4.
- 4.4.2 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.

4.5 Conclusion

- 4.5.1 Whilst the numerical results demonstrate that a number of rooms do not meet the BRE recommendations, the results are not unusual in the context of an urban location. It is important to note that some of the rooms which do not meet the daylight recommendations have balconies above them. This is in order to provide private amenity space to the occupants. Whilst this does limit some of the daylight available to the units, on balance, it is considered preferable to retain these, as they provide additional benefits to the residents of the development. If the balconies were to be removed, then the levels of daylight would be greatly improved. Therefore, in overall terms the scheme represents a relatively high level of compliance with the BRE recommendations and, in our opinion, there are material considerations which outweigh the slightly lower daylight levels. We would therefore expect the local authority to balance daylight and sunlight considerations against all other material planning considerations, including the wider benefits such as the provision of the private amenity areas, when deciding whether to grant planning permission.

5 CLARIFICATIONS

5.1 General

- 5.1.1 The report provided is solely for the use of the client and no liability to anyone else is accepted.
- 5.1.2 The 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



Proposed
Development

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Proposed
Development

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Proposed
Development

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Proposed
Development

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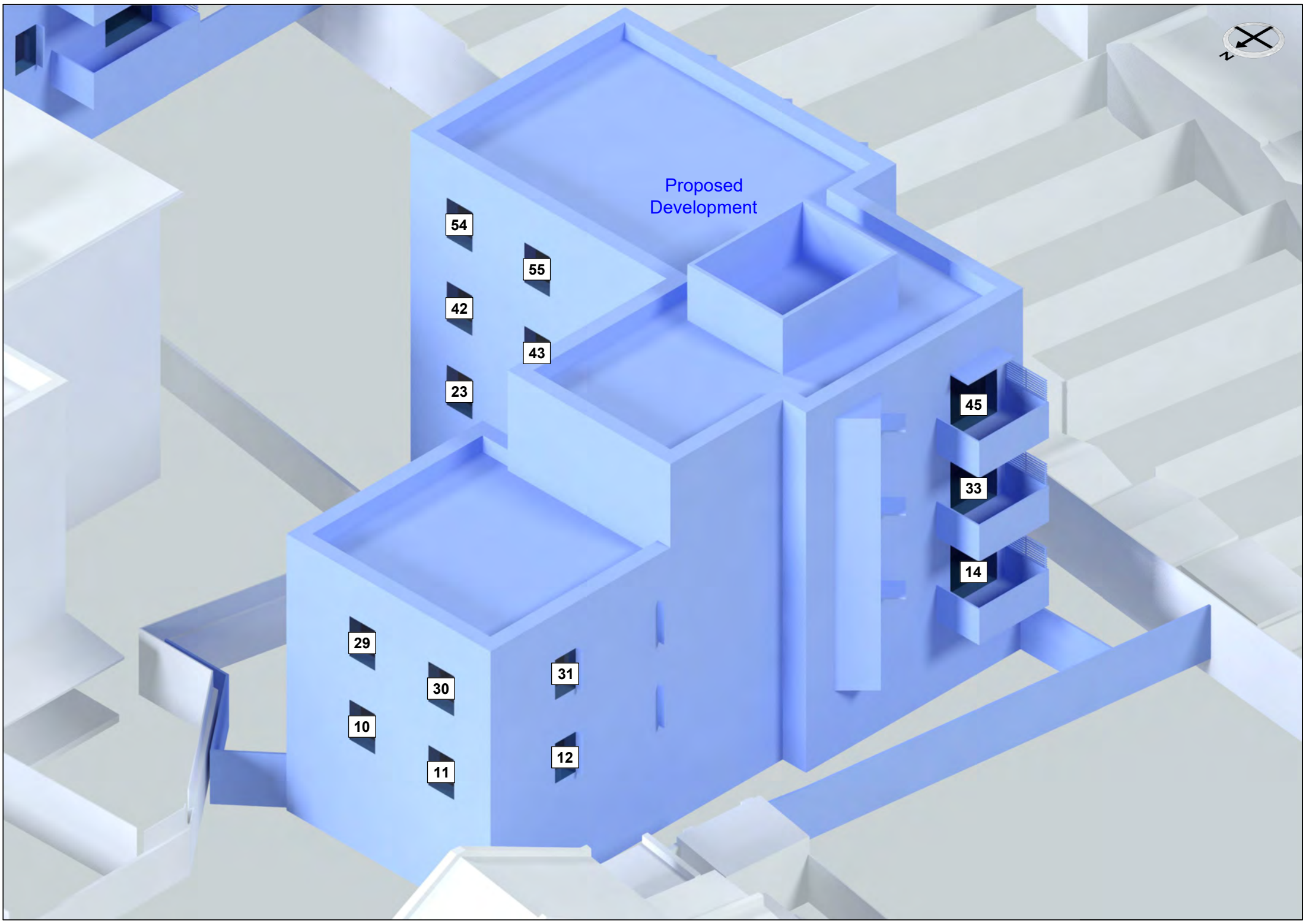
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Proposed
Development

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Proposed
Development

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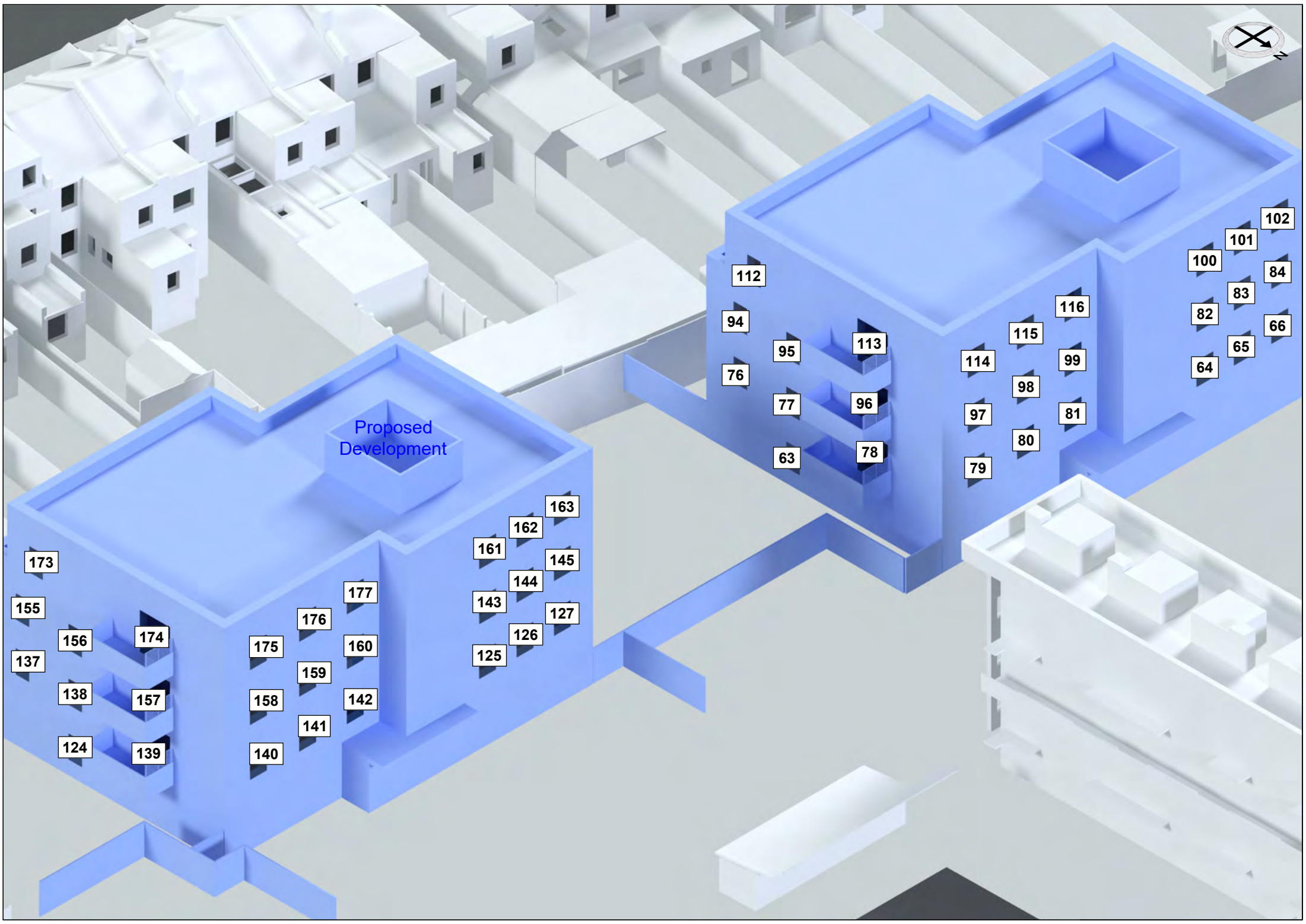
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Proposed
Development



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Proposed
Development

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Proposed
Development

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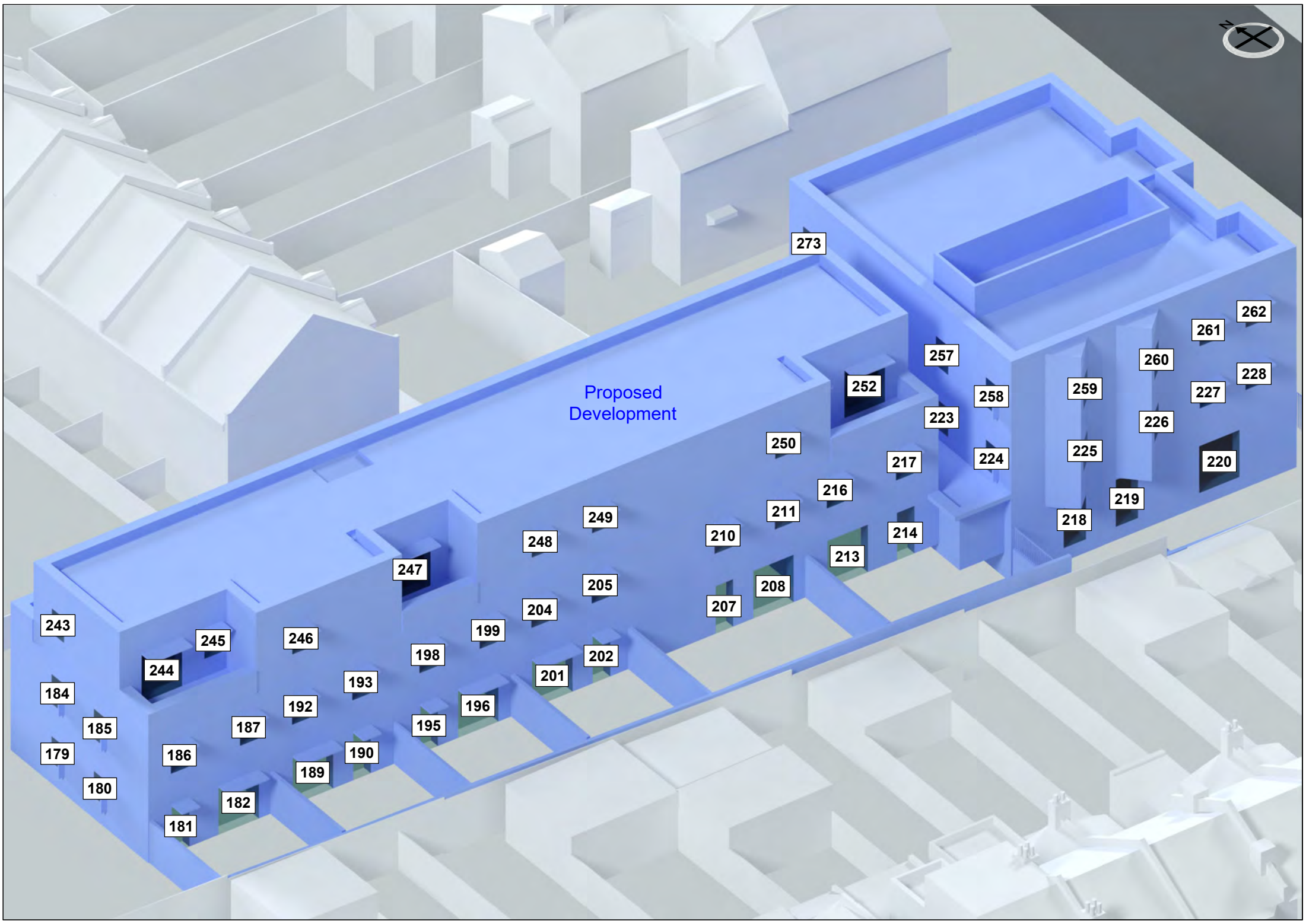
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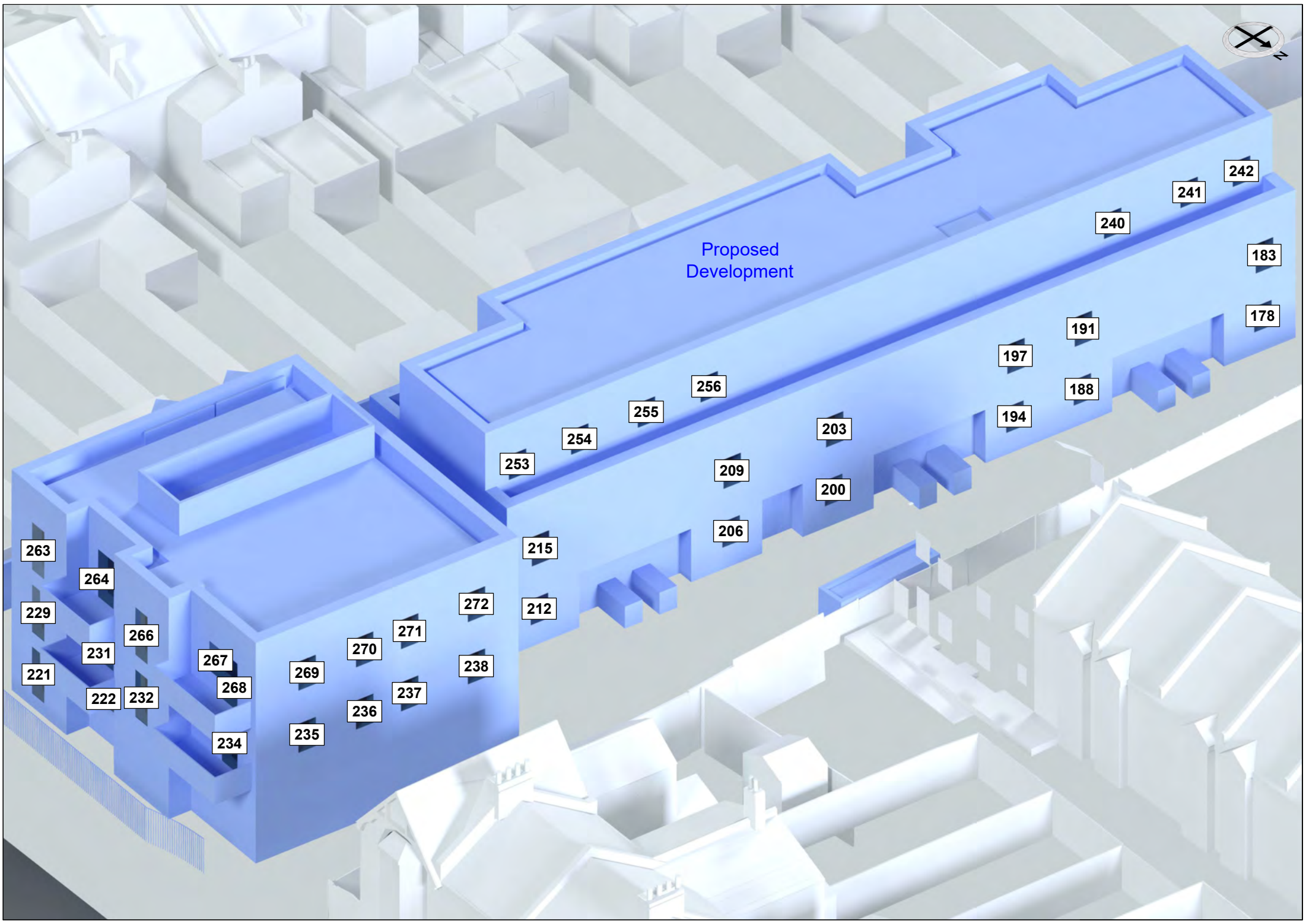
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Proposed
Development





Proposed
Development

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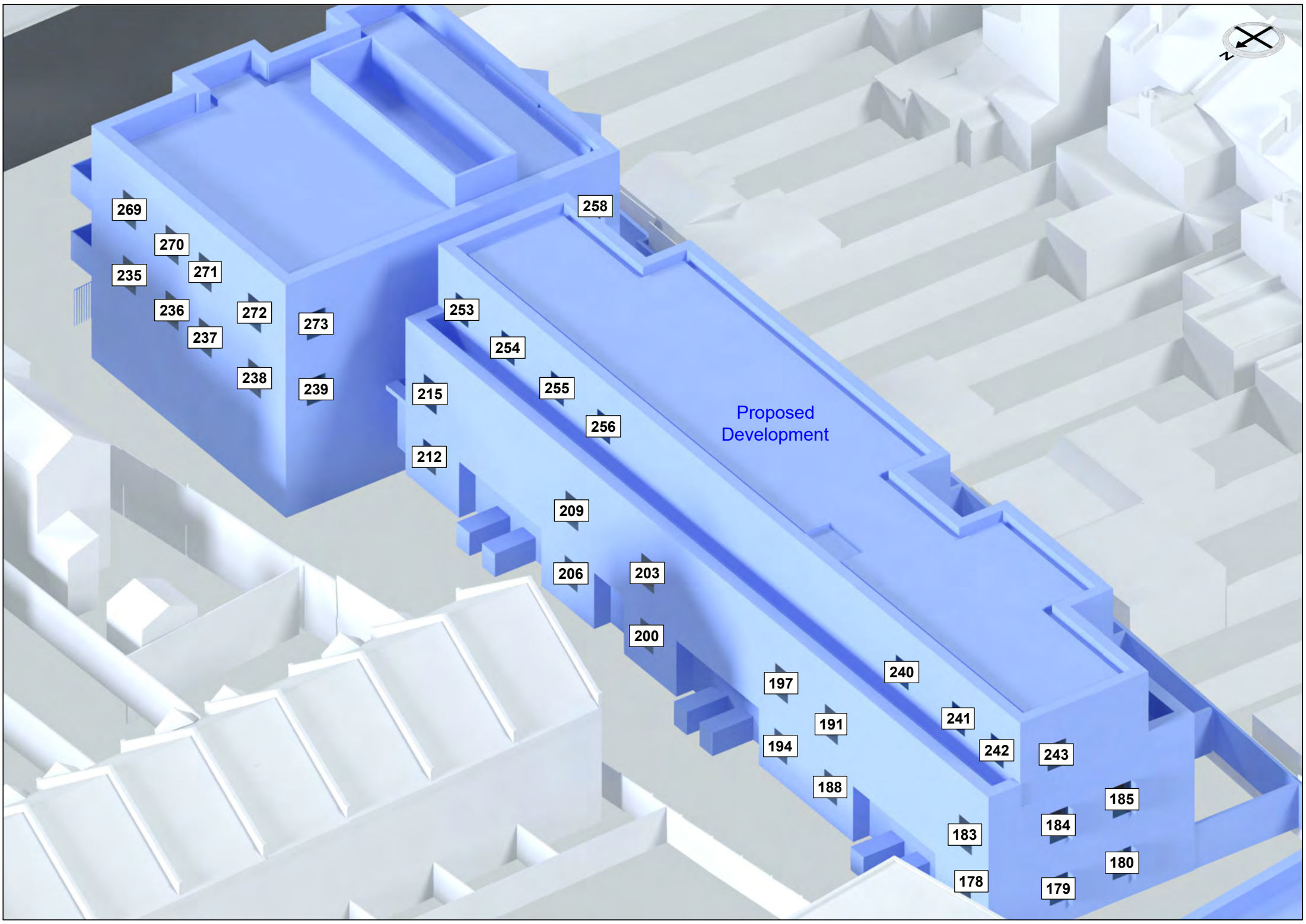
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Proposed
Development

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APPENDIX 2

DAYLIGHT PROVISION DATA & CONTOURS

Appendix 2 - Daylight Provision

Brunel Walk, London N15 5HQ

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
<u>Block A Unit 1</u>						
<u>Custom Floor</u>						
Window 1	Bedroom	100	50%	47%	No	95
Window 2	Bedroom	100	50%	39%	No	84
Windows 3 to 5	Living/Dining/Kitchen	200	50%	39%	No	163
<u>Block A Unit 2</u>						
<u>Custom Floor</u>						
Windows 6 to 10	Living/Dining/Kitchen	200	50%	47%	No	189
Windows 11 & 12	Bedroom	100	50%	100%	Yes	284
<u>Block A Unit 3</u>						
<u>Custom Floor</u>						
Window 13	Bedroom	100	50%	20%	No	52
Windows 14 & 15	Living/Dining/Kitchen	200	50%	35%	No	157
<u>Block A Unit 4</u>						
<u>Custom Floor</u>						
Windows 16 & 17	Bedroom	100	50%	52%	Yes	104
Window 18	Bedroom	100	50%	22%	No	42
Windows 19 to 21	Living Room	150	50%	70%	Yes	185
Windows 22 & 23	Dining/Kitchen	200	50%	49%	No	195
Window 24	Bedroom	100	50%	77%	Yes	185

Appendix 2 - Daylight Provision

Brunel Walk, London N15 5HQ

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
<u>Block A Unit 5</u>						
<u>Custom Floor</u>						
Windows 25 to 29	Living/Dining/Kitchen	200	50%	56%	Yes	225
Windows 30 & 31	Bedroom	100	50%	100%	Yes	302
<u>Block A Unit 6</u>						
<u>Custom Floor</u>						
Window 32	Bedroom	100	50%	20%	No	52
Windows 33 & 34	Living/Dining/Kitchen	200	50%	38%	No	165
<u>Block A Unit 7</u>						
<u>Custom Floor</u>						
Windows 35 & 36	Bedroom	100	50%	56%	Yes	110
Window 37	Bedroom	100	50%	24%	No	47
Windows 38 to 40	Living Room	150	50%	94%	Yes	228
Windows 41 & 42	Dining/Kitchen	200	50%	61%	Yes	246
Window 43	Bedroom	100	50%	82%	Yes	230
<u>Block A Unit 8</u>						
<u>Custom Floor</u>						
Window 44	Bedroom	100	50%	22%	No	55
Windows 45 & 46	Living/Dining/Kitchen	200	50%	42%	No	177
<u>Block A Unit 9</u>						
<u>Custom Floor</u>						
Windows 47 & 48	Bedroom	100	50%	60%	Yes	114
Window 49	Bedroom	100	50%	22%	No	48
Windows 50 to 52	Living Room	150	50%	100%	Yes	375

Appendix 2 - Daylight Provision

Brunel Walk, London N15 5HQ

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
Windows 53 & 54	Dining/Kitchen	200	50%	73%	Yes	285
Window 55	Bedroom	100	50%	88%	Yes	266
<u>Block B Unit 1</u>						
<u>Custom Floor</u>						
Window 56	Bedroom	100	50%	19%	No	41
Windows 57 & 58	Living/Dining/Kitchen	200	50%	30%	No	142
<u>Block B Unit 2</u>						
<u>Custom Floor</u>						
Windows 59 to 61	Living/Dining/Kitchen	200	50%	14%	No	86
Window 62	Bedroom	100	50%	45%	No	93
Window 63	Bedroom	100	50%	35%	No	65
<u>Block B Unit 3</u>						
<u>Custom Floor</u>						
Window 64	Bedroom	100	50%	88%	Yes	169
Windows 65 & 66	Bedroom	100	50%	100%	Yes	271
Window 67	Bedroom	100	50%	27%	No	53
Windows 68 to 70	Living/Dining/Kitchen	200	50%	30%	No	131
<u>Block B Unit 4</u>						
<u>Custom Floor</u>						
Window 71	Kitchen	200	50%	0%	No	32
Windows 72 & 73	Living/Dining	150	50%	24%	No	105
Window 74	Bedroom	100	50%	33%	No	71
Windows 75 & 76	Bedroom	100	50%	85%	Yes	157
Window 77	Bedroom	100	50%	46%	No	89

Appendix 2 - Daylight Provision

Brunel Walk, London N15 5HQ

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
<u>Block B Unit 5</u>						
<u>Custom Floor</u>						
Windows 78 & 79	Living/Dining/Kitchen	200	50%	20%	No	110
Window 80	Bedroom	100	50%	59%	Yes	111
Window 81	Bedroom	100	50%	68%	Yes	127
<u>Block B Unit 6</u>						
<u>Custom Floor</u>						
Window 82	Bedroom	100	50%	90%	Yes	173
Windows 83 & 84	Bedroom	100	50%	100%	Yes	296
Window 85	Bedroom	100	50%	36%	No	74
Windows 86 to 88	Living/Dining/Kitchen	200	50%	34%	No	148
<u>Block B Unit 7</u>						
<u>Custom Floor</u>						
Window 89	Kitchen	200	50%	0%	No	37
Windows 90 & 91	Living/Dining	150	50%	27%	No	111
Window 92	Bedroom	100	50%	34%	No	76
Windows 93 & 94	Bedroom	100	50%	92%	Yes	184
Window 95	Bedroom	100	50%	55%	Yes	107
<u>Block B Unit 8</u>						
<u>Custom Floor</u>						
Windows 96 & 97	Living/Dining/Kitchen	200	50%	32%	No	146
Window 98	Bedroom	100	50%	71%	Yes	126
Window 99	Bedroom	100	50%	76%	Yes	138

Appendix 2 - Daylight Provision

Brunel Walk, London N15 5HQ

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
<u>Block B Unit 9</u>						
<u>Custom Floor</u>						
Window 100	Bedroom	100	50%	95%	Yes	185
Windows 101 & 102	Bedroom	100	50%	100%	Yes	314
Window 103	Bedroom	100	50%	43%	No	87
Windows 104 to 106	Living/Dining/Kitchen	200	50%	39%	No	170
<u>Block B Unit 10</u>						
<u>Custom Floor</u>						
Windows 107 to 109	Living/Dining/Kitchen	200	50%	38%	No	150
Window 110	Bedroom	100	50%	31%	No	66
Windows 111 & 112	Bedroom	100	50%	67%	Yes	148
<u>Block B Unit 11</u>						
<u>Custom Floor</u>						
Windows 113 & 114	Living/Dining/Kitchen	200	50%	71%	Yes	255
Window 115	Bedroom	100	50%	82%	Yes	137
Window 116	Bedroom	100	50%	84%	Yes	142
<u>Block C Unit 1</u>						
<u>Custom Floor</u>						
Window 117	Bedroom	100	50%	19%	No	40
Windows 118 & 119	Living/Dining/Kitchen	200	50%	30%	No	142
<u>Block C Unit 2</u>						
<u>Custom Floor</u>						
Windows 120 to 122	Living/Dining/Kitchen	200	50%	17%	No	92

Appendix 2 - Daylight Provision

Brunel Walk, London N15 5HQ

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
Window 123	Bedroom	100	50%	54%	Yes	103
Window 124	Bedroom	100	50%	51%	Yes	100
<u>Block C Unit 3</u>						
<u>Custom Floor</u>						
Window 125	Bedroom	100	50%	89%	Yes	158
Windows 126 & 127	Bedroom	100	50%	98%	Yes	245
Window 128	Bedroom	100	50%	28%	No	56
Windows 129 to 131	Living/Dining/Kitchen	200	50%	30%	No	136
<u>Block C Unit 4</u>						
<u>Custom Floor</u>						
Window 132	Kitchen	200	50%	0%	No	35
Windows 133 & 134	Living/Dining	150	50%	26%	No	108
Window 135	Bedroom	100	50%	33%	No	71
Windows 136 & 137	Bedroom	100	50%	94%	Yes	190
Window 138	Bedroom	100	50%	59%	Yes	115
<u>Block C Unit 5</u>						
<u>Custom Floor</u>						
Windows 139 & 140	Bedroom	100	50%	68%	Yes	129
Window 141	Bedroom	100	50%	63%	Yes	116
Window 142	Bedroom	100	50%	75%	Yes	130

Appendix 2 - Daylight Provision

Brunel Walk, London N15 5HQ

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
<u>Block C Unit 6</u>						
<u>Custom Floor</u>						
Window 143	Bedroom	100	50%	93%	Yes	176
Windows 144 & 145	Bedroom	100	50%	100%	Yes	290
Window 146	Bedroom	100	50%	36%	No	74
Windows 147 to 149	Living/Dining/Kitchen	200	50%	34%	No	150
<u>Block C Unit 7</u>						
<u>Custom Floor</u>						
Window 150	Kitchen	200	50%	0%	No	36
Windows 151 & 152	Living/Dining/Kitchen	200	50%	16%	No	113
Window 153	Bedroom	100	50%	36%	No	77
Windows 154 & 155	Bedroom	100	50%	96%	Yes	199
Window 156	Bedroom	100	50%	65%	Yes	123
<u>Block C Unit 8</u>						
<u>Custom Floor</u>						
Windows 157 & 158	Living/Dining/Kitchen	200	50%	38%	No	169
Window 159	Bedroom	100	50%	77%	Yes	128
Window 160	Bedroom	100	50%	80%	Yes	140

Appendix 2 - Daylight Provision

Brunel Walk, London N15 5HQ

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
<u>Block C Unit 9</u>						
<u>Custom Floor</u>						
Window 161	Bedroom	100	50%	95%	Yes	186
Windows 162 & 163	Bedroom	100	50%	100%	Yes	315
Window 164	Bedroom	100	50%	39%	No	84
Windows 165 to 167	Living/Dining/Kitchen	200	50%	39%	No	170
<u>Block C Unit 10</u>						
<u>Custom Floor</u>						
Windows 168 to 170	Living/Dining/Kitchen	200	50%	39%	No	149
Window 171	Bedroom	100	50%	27%	No	54
Windows 172 & 173	Bedroom	100	50%	68%	Yes	145
<u>Block C Unit 11</u>						
<u>Custom Floor</u>						
Windows 174 & 175	Living/Dining/Kitchen	200	50%	74%	Yes	263
Window 176	Bedroom	100	50%	85%	Yes	142
Window 177	Bedroom	100	50%	88%	Yes	146
<u>Block D Unit 1</u>						
<u>Custom Floor</u>						
Windows 178 & 179	Kitchen	200	50%	43%	No	181
Windows 180 to 182	Living/Dining/Kitchen	200	50%	66%	Yes	228
Windows 183 & 184	Bedroom	100	50%	75%	Yes	150
Windows 185 & 186	Bedroom	100	50%	86%	Yes	159
Window 187	Bedroom	100	50%	72%	Yes	126

Appendix 2 - Daylight Provision

Brunel Walk, London N15 5HQ

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
<u>Block D Unit 2</u>						
<u>Custom Floor</u>						
Window 188	Kitchen	200	50%	0%	No	0
Windows 189 & 190	Living/Dining	150	50%	69%	Yes	194
Window 191	Bedroom	100	50%	49%	No	96
Window 192	Bedroom	100	50%	73%	Yes	124
Window 193	Bedroom	100	50%	33%	No	77
<u>Block D Unit 3</u>						
<u>Custom Floor</u>						
Window 194	Kitchen	200	50%	0%	No	0
Windows 195 & 196	Living/Dining	150	50%	65%	Yes	186
Window 197	Bedroom	100	50%	38%	No	77
Window 198	Bedroom	100	50%	35%	No	80
Window 199	Bedroom	100	50%	70%	Yes	126
<u>Block D Unit 4</u>						
<u>Custom Floor</u>						
Window 200	Kitchen	200	50%	11%	No	31
Windows 201 & 202	Living/Dining	150	50%	65%	Yes	185
Window 203	Bedroom	100	50%	40%	No	74
Window 204	Bedroom	100	50%	72%	Yes	129
Window 205	Bedroom	100	50%	36%	No	80
<u>Block D Unit 5</u>						
<u>Custom Floor</u>						
Window 206	Kitchen	200	50%	17%	No	70

Appendix 2 - Daylight Provision

Brunel Walk, London N15 5HQ

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
Windows 207 & 208	Living/Dining	150	50%	94%	Yes	285
Window 209	Bedroom	100	50%	26%	No	57
Window 210	Bedroom	100	50%	35%	No	77
Window 211	Bedroom	100	50%	69%	Yes	125
<u>Block D Unit 6</u>						
<u>Custom Floor</u>						
Window 212	Kitchen	200	50%	17%	No	78
Windows 213 & 214	Living/Dining	150	50%	96%	Yes	284
Window 215	Bedroom	100	50%	41%	No	73
Window 216	Bedroom	100	50%	69%	Yes	129
Window 217	Bedroom	100	50%	31%	No	72
<u>Block D Unit 7</u>						
<u>Custom Floor</u>						
Window 218	Bedroom	100	50%	44%	No	93
Window 219	Bedroom	100	50%	73%	Yes	124
Windows 220 to 222	Living/Dining/Kitchen	200	50%	68%	Yes	243
<u>Block D Unit 8</u>						
<u>Custom Floor</u>						
Window 223	Bedroom	100	50%	1%	No	15
Windows 224 & 225	Bedroom	100	50%	65%	Yes	151
Window 226	Bedroom	100	50%	35%	No	73
Windows 227 to 229	Dining/Kitchen	200	50%	63%	Yes	223
Windows 230 & 231	Bedroom	100	50%	58%	Yes	106

Appendix 2 - Daylight Provision

Brunel Walk, London N15 5HQ

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
<u>Block D Unit 9</u>						
<u>Custom Floor</u>						
Windows 232 to 235	Living/Dining/Kitchen	200	50%	42%	No	168
Windows 236 & 237	Bedroom	100	50%	95%	Yes	189
Windows 238 & 239	Bedroom	100	50%	87%	Yes	203
<u>Block D Unit 10</u>						
<u>Custom Floor</u>						
Window 240	Bedroom	100	50%	57%	Yes	105
Windows 241 to 245	Living/Dining/Kitchen	200	50%	95%	Yes	295
Window 246	Bedroom	100	50%	34%	No	77
<u>Block D Unit 11</u>						
<u>Custom Floor</u>						
Windows 247 & 248	Living/Dining/Kitchen	200	50%	22%	No	130
Window 249	Bedroom	100	50%	27%	No	71
<u>Block D Unit 12</u>						
<u>Custom Floor</u>						
Window 250	Bedroom	100	50%	34%	No	81
Windows 251 to 254	Living/Dining/Kitchen	200	50%	87%	Yes	255
Windows 255 & 256	Bedroom	100	50%	90%	Yes	159

Appendix 2 - Daylight Provision

Brunel Walk, London N15 5HQ

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
<u>Block D Unit 13</u>						
<u>Custom Floor</u>						
Window 257	Bedroom	100	50%	21%	No	50
Windows 258 & 259	Bedroom	100	50%	69%	Yes	176
Window 260	Bedroom	100	50%	38%	No	81
Windows 261 to 263	Dining/Kitchen	200	50%	67%	Yes	236
Windows 264 & 265	Living Room	150	50%	85%	Yes	224
<u>Block D Unit 14</u>						
<u>Custom Floor</u>						
Windows 266 to 269	Living/Dining/Kitchen	200	50%	59%	Yes	232
Windows 270 & 271	Bedroom	100	50%	99%	Yes	239
Windows 272 & 273	Bedroom	100	50%	93%	Yes	239



Key:

-  Area above target lux threshold
-  Area below target lux threshold
-  Window reference
-  Gardens and Amenity Areas

Drawing Title: Daylight Provision Contours		
Scale: Do not scale		
Drawing No: 1 of 15		Rev. -
Rev	Date	Details of revision



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Key:

 Area above target lux threshold

 Area below target lux threshold

 Window reference

 Gardens and Amenity Areas

Drawing Title: Daylight Provision Contours		
Scale: Do not scale		
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Rev	Date	Details of revision



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Key:

 Area above target lux threshold

 Area below target lux threshold

 Window reference

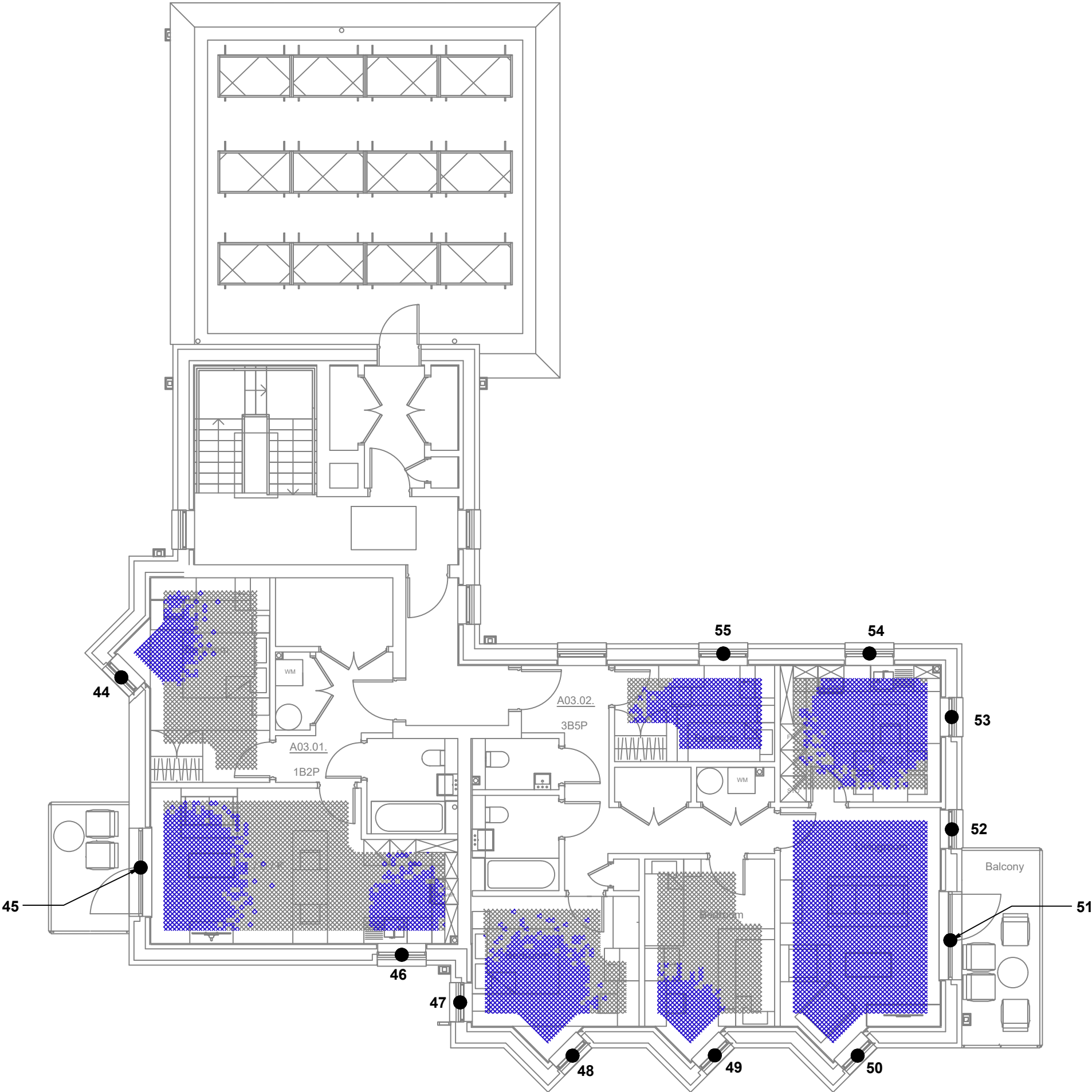
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Drawing Title: Daylight Provision Contours		
Scale: Do not scale		
Drawing No: 3 of 15		Rev. -
Rev	Date	Details of revision



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Key:

-  Area above target lux threshold
-  Area below target lux threshold
-  Window reference
-  Gardens and Amenity Areas

Drawing Title: Daylight Provision Contours		
Scale: Do not scale		
Drawing No: 4 of 15		Rev. -
Rev	Date	Details of revision



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Key:

 Area above target lux threshold

 Area below target lux threshold

 Window reference

 Gardens and Amenity Areas

Drawing Title: Daylight Provision Contours		
Scale: Do not scale		
Drawing No: 5 of 15		Rev. -
Rev	Date	Details of revision



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Key:

Area above target lux threshold

Area below target lux threshold

Window reference

G1

Gardens and Amenity Areas



Drawing Title: Daylight Provision Contours		
Scale: Do not scale		
Drawing No: 6 of 15		Rev. -
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Key:

Area above target lux threshold

Area below target lux threshold

Window reference

G1

Gardens and Amenity Areas

Drawing Title: Daylight Provision Contours		
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Key:

-  Area above target lux threshold
-  Area below target lux threshold
-  Window reference
-  Gardens and Amenity Areas

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Rev	Date	Details of revision



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Key:

 Area above target lux threshold

 Area below target lux threshold

 Window reference

 Gardens and Amenity Areas

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Drawing No: 9 of 15		Rev. -
Rev	Date	Details of revision



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Key:

 Area above target lux threshold

 Area below target lux threshold

 Window reference

 Gardens and Amenity Areas

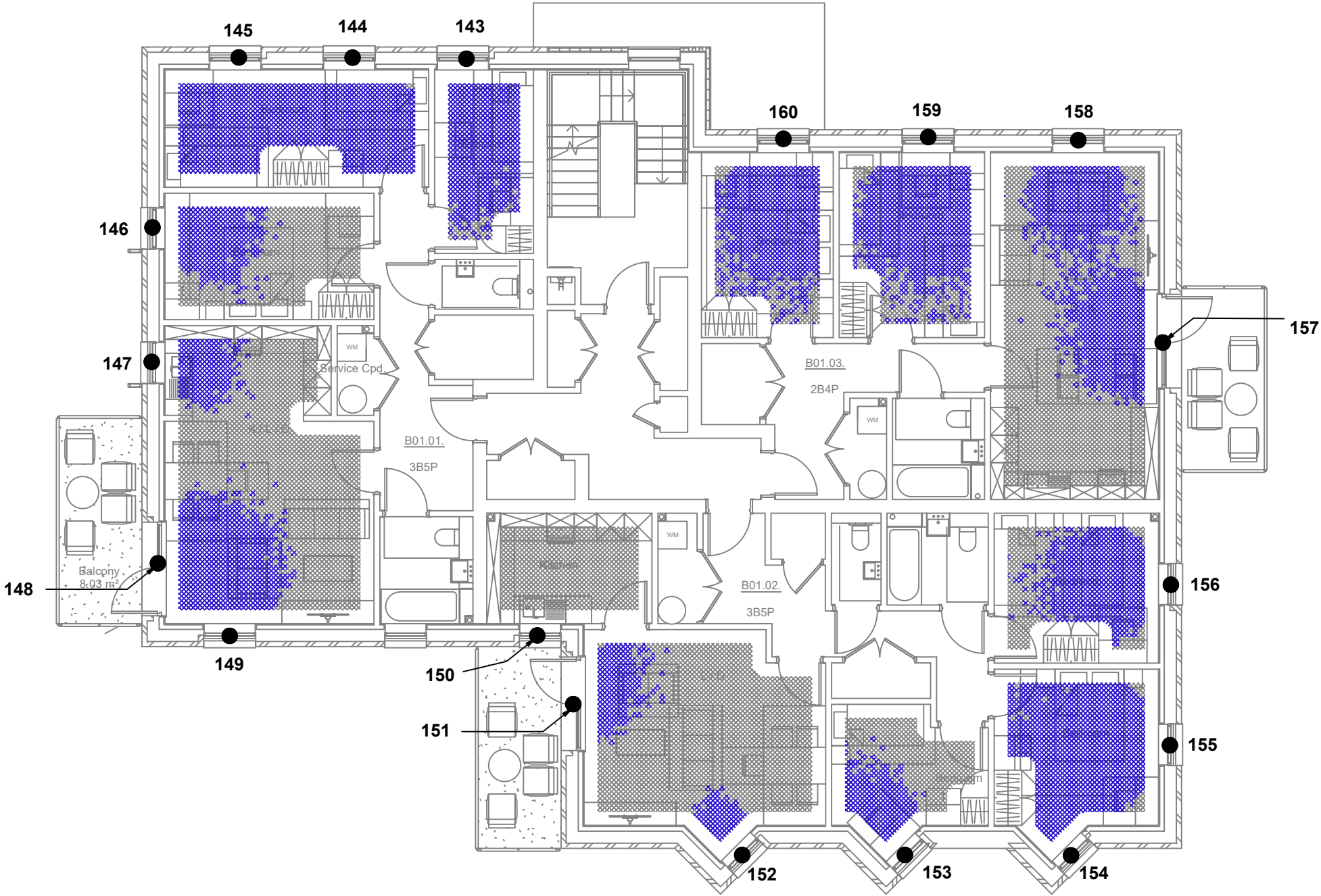


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Drawing No: 10 of 15		Rev. -
Rev	Date	Details of revision



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Key:

-  Area above target lux threshold
-  Area below target lux threshold
-  Window reference
-  Gardens and Amenity Areas

Drawing Title: Daylight Provision Contours		
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Drawing No: 11 of 15		Rev. -
Rev	Date	Details of revision



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Key:

- Area above target lux threshold
- Area below target lux threshold
- Window reference
- Gardens and Amenity Areas

Drawing Title: Daylight Provision Contours		
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Drawing No: 12 of 15		Rev. -
Rev	Date	Details of revision



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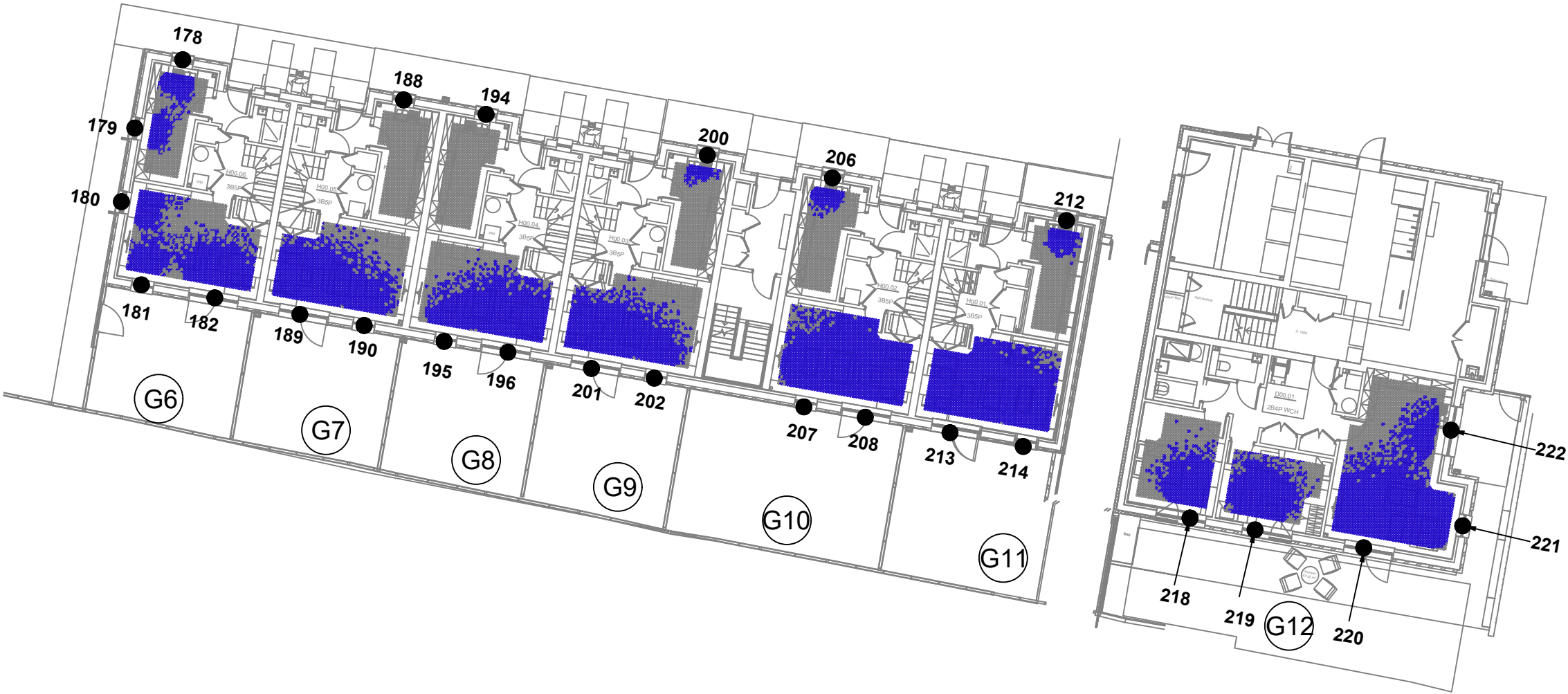
Key:

 Area above target lux threshold

 Area below target lux threshold

 Window reference

 Gardens and Amenity Areas

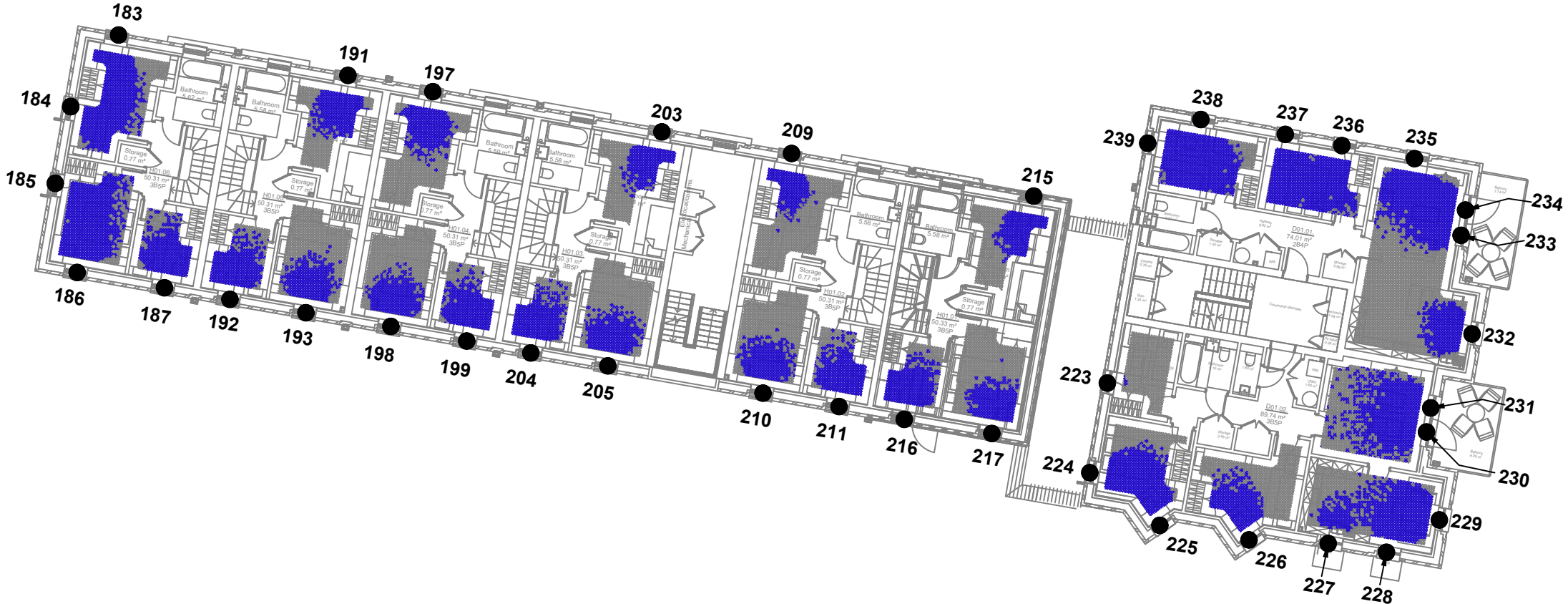


Drawing Title: Daylight Provision Contours		
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Rev	Date	Details of revision



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Key:

 Area above target lux threshold

 Area below target lux threshold

 Window reference

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Key:

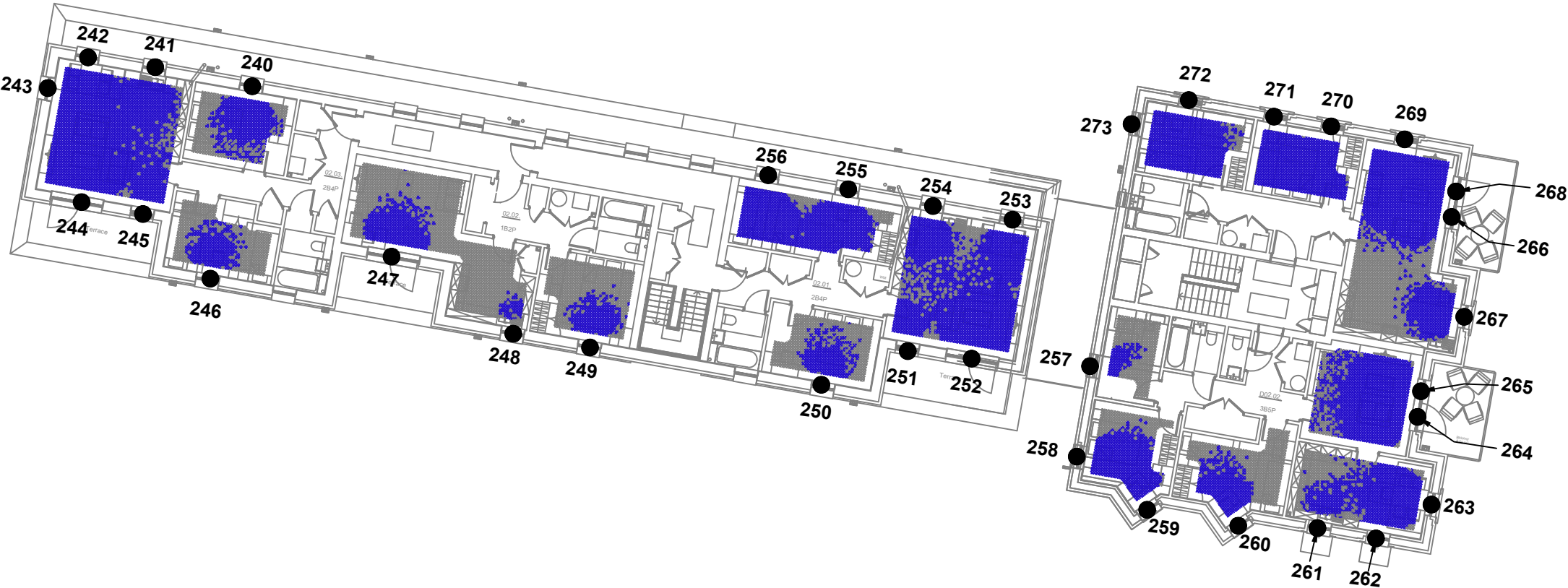
Area above target lux threshold

Area below target lux threshold

Window reference

G1

Gardens and Amenity Areas



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APPENDIX 3

EXPOSURE TO SUNLIGHT DATA

Appendix 3 - Exposure To Sunlight

Brunel Walk, London N15 5HQ

Room	Room Use	Target Sunlight Exposure	Actual Sunlight Exposure	At least one habitable room in dwelling meets Target Sunlight Exposure
<u>Block A Unit 1</u>				
<u>Custom Floor</u>				
Window 1	Bedroom	1.5 hours	5.4 hours	Yes
Window 2	Bedroom	1.5 hours	4.6 hours	
Windows 3 to 5	Living/Dining/Kitchen	1.5 hours	8.2 hours	
<u>Block A Unit 2</u>				
<u>Custom Floor</u>				
Windows 6 to 10	Living/Dining/Kitchen	1.5 hours	1.7 hours	Yes
Windows 11 & 12	Bedroom	1.5 hours	1.2 hours	
<u>Block A Unit 3</u>				
<u>Custom Floor</u>				
Window 13	Bedroom	1.5 hours	3 hours	Yes
Windows 14 & 15	Living/Dining/Kitchen	1.5 hours	4.4 hours	
<u>Block A Unit 4</u>				
<u>Custom Floor</u>				
Windows 16 & 17	Bedroom	1.5 hours	5.3 hours	Yes
Window 18	Bedroom	1.5 hours	4.2 hours	
Windows 19 to 21	Living Room	1.5 hours	4.7 hours	
Windows 22 & 23	Dining/Kitchen	1.5 hours	1.5 hours	
Window 24	Bedroom	1.5 hours	0 hours	

Appendix 3 - Exposure To Sunlight

Brunel Walk, London N15 5HQ

Room	Room Use	Target Sunlight Exposure	Actual Sunlight Exposure	At least one habitable room in dwelling meets Target Sunlight Exposure
<u>Block A Unit 5</u>				
<u>Custom Floor</u>				
Windows 25 to 29	Living/Dining/Kitchen	1.5 hours	3.1 hours	Yes
Windows 30 & 31	Bedroom	1.5 hours	1.2 hours	
<u>Block A Unit 6</u>				
<u>Custom Floor</u>				
Window 32	Bedroom	1.5 hours	3 hours	Yes
Windows 33 & 34	Living/Dining/Kitchen	1.5 hours	4.4 hours	
<u>Block A Unit 7</u>				
<u>Custom Floor</u>				
Windows 35 & 36	Bedroom	1.5 hours	5.3 hours	Yes
Window 37	Bedroom	1.5 hours	4.2 hours	
Windows 38 to 40	Living Room	1.5 hours	4.7 hours	
Windows 41 & 42	Dining/Kitchen	1.5 hours	1.6 hours	
Window 43	Bedroom	1.5 hours	0 hours	
<u>Block A Unit 8</u>				
<u>Custom Floor</u>				
Window 44	Bedroom	1.5 hours	0 hours	Yes
Windows 45 & 46	Living/Dining/Kitchen	1.5 hours	4.4 hours	

Appendix 3 - Exposure To Sunlight

Brunel Walk, London N15 5HQ

Room	Room Use	Target Sunlight Exposure	Actual Sunlight Exposure	At least one habitable room in dwelling meets Target Sunlight Exposure
<u>Block A Unit 9</u>				
<u>Custom Floor</u>				
Windows 47 & 48	Bedroom	1.5 hours	1.2 hours	Yes
Window 49	Bedroom	1.5 hours	0 hours	
Windows 50 to 52	Living Room	1.5 hours	3.4 hours	
Windows 53 & 54	Dining/Kitchen	1.5 hours	2.1 hours	
Window 55	Bedroom	1.5 hours	0 hours	
<u>Block B Unit 1</u>				
<u>Custom Floor</u>				
Window 56	Bedroom	1.5 hours	1.6 hours	Yes
Windows 57 & 58	Living/Dining/Kitchen	1.5 hours	4.9 hours	
<u>Block B Unit 2</u>				
<u>Custom Floor</u>				
Windows 59 to 61	Living/Dining/Kitchen	1.5 hours	7.7 hours	Yes
Window 62	Bedroom	1.5 hours	5.1 hours	
Window 63	Bedroom	1.5 hours	1.2 hours	
<u>Block B Unit 3</u>				
Custom Floor				

Appendix 3 - Exposure To Sunlight

Brunel Walk, London N15 5HQ

Room	Room Use	Target Sunlight Exposure	Actual Sunlight Exposure	At least one habitable room in dwelling meets Target Sunlight Exposure
Window 64	Bedroom	1.5 hours	0 hours	Yes
Windows 65 & 66	Bedroom	1.5 hours	0 hours	
Window 67	Bedroom	1.5 hours	0.4 hours	
Windows 68 to 70	Living/Dining/Kitchen	1.5 hours	6.8 hours	
Block B Unit 4				
Custom Floor				
Window 71	Kitchen	1.5 hours	0.7 hours	Yes
Windows 72 & 73	Living/Dining	1.5 hours	6.8 hours	
Window 74	Bedroom	1.5 hours	4.4 hours	
Windows 75 & 76	Bedroom	1.5 hours	4.7 hours	
Window 77	Bedroom	1.5 hours	1.2 hours	
Block B Unit 5				
Custom Floor				
Windows 78 & 79	Living/Dining/Kitchen	1.5 hours	1.8 hours	Yes
Window 80	Bedroom	1.5 hours	0 hours	
Window 81	Bedroom	1.5 hours	0 hours	
Block B Unit 6				
Custom Floor				
Window 82	Bedroom	1.5 hours	0 hours	Yes
Windows 83 & 84	Bedroom	1.5 hours	0 hours	
Window 85	Bedroom	1.5 hours	0.8 hours	
Windows 86 to 88	Living/Dining/Kitchen	1.5 hours	6.8 hours	

Appendix 3 - Exposure To Sunlight

Brunel Walk, London N15 5HQ

Room	Room Use	Target Sunlight Exposure	Actual Sunlight Exposure	At least one habitable room in dwelling meets Target Sunlight Exposure
<u>Block B Unit 7</u>				
<u>Custom Floor</u>				
Window 89	Kitchen	1.5 hours	0.7 hours	Yes
Windows 90 & 91	Living/Dining	1.5 hours	6.8 hours	
Window 92	Bedroom	1.5 hours	4.4 hours	
Windows 93 & 94	Bedroom	1.5 hours	4.7 hours	
Window 95	Bedroom	1.5 hours	1.4 hours	
<u>Block B Unit 8</u>				
<u>Custom Floor</u>				
Windows 96 & 97	Living/Dining/Kitchen	1.5 hours	2.4 hours	Yes
Window 98	Bedroom	1.5 hours	0 hours	
Window 99	Bedroom	1.5 hours	0 hours	
<u>Block B Unit 9</u>				
<u>Custom Floor</u>				
Window 100	Bedroom	1.5 hours	0 hours	Yes
Windows 101 & 102	Bedroom	1.5 hours	0 hours	
Window 103	Bedroom	1.5 hours	1.2 hours	
Windows 104 to 106	Living/Dining/Kitchen	1.5 hours	6.9 hours	
<u>Block B Unit 10</u>				
<u>Custom Floor</u>				
Windows 107 to 109	Living/Dining/Kitchen	1.5 hours	7.7 hours	Yes
Window 110	Bedroom	1.5 hours	4.6 hours	
Windows 111 & 112	Bedroom	1.5 hours	6.7 hours	

Appendix 3 - Exposure To Sunlight

Brunel Walk, London N15 5HQ

Room	Room Use	Target Sunlight Exposure	Actual Sunlight Exposure	At least one habitable room in dwelling meets Target Sunlight Exposure
<u>Block B Unit 11</u>				
<u>Custom Floor</u>				
Windows 113 & 114	Living/Dining/Kitchen	1.5 hours	2.4 hours	Yes
Window 115	Bedroom	1.5 hours	0 hours	
Window 116	Bedroom	1.5 hours	0 hours	
<u>Block C Unit 1</u>				
<u>Custom Floor</u>				
Window 117	Bedroom	1.5 hours	1.7 hours	Yes
Windows 118 & 119	Living/Dining/Kitchen	1.5 hours	4.9 hours	
<u>Block C Unit 2</u>				
<u>Custom Floor</u>				
Windows 120 to 122	Living/Dining/Kitchen	1.5 hours	7.7 hours	Yes
Window 123	Bedroom	1.5 hours	5.1 hours	
Window 124	Bedroom	1.5 hours	1.2 hours	
<u>Block C Unit 3</u>				
<u>Custom Floor</u>				
Window 125	Bedroom	1.5 hours	0 hours	Yes
Windows 126 & 127	Bedroom	1.5 hours	0 hours	
Window 128	Bedroom	1.5 hours	0.8 hours	
Windows 129 to 131	Living/Dining/Kitchen	1.5 hours	6.9 hours	

Appendix 3 - Exposure To Sunlight

Brunel Walk, London N15 5HQ

Room	Room Use	Target Sunlight Exposure	Actual Sunlight Exposure	At least one habitable room in dwelling meets Target Sunlight Exposure
<u>Block C Unit 4</u>				
<u>Custom Floor</u>				
Window 132	Kitchen	1.5 hours	0.7 hours	Yes
Windows 133 & 134	Living/Dining	1.5 hours	6.8 hours	
Window 135	Bedroom	1.5 hours	4.4 hours	
Windows 136 & 137	Bedroom	1.5 hours	4.7 hours	
Window 138	Bedroom	1.5 hours	1.5 hours	
<u>Block C Unit 5</u>				
<u>Custom Floor</u>				
Windows 139 & 140	Bedroom	1.5 hours	2.4 hours	Yes
Window 141	Bedroom	1.5 hours	0 hours	
Window 142	Bedroom	1.5 hours	0 hours	
<u>Block C Unit 6</u>				
<u>Custom Floor</u>				
Window 143	Bedroom	1.5 hours	0 hours	Yes
Windows 144 & 145	Bedroom	1.5 hours	0 hours	
Window 146	Bedroom	1.5 hours	1.1 hours	
Windows 147 to 149	Living/Dining/Kitchen	1.5 hours	6.9 hours	
<u>Block C Unit 7</u>				
<u>Custom Floor</u>				
Window 150	Kitchen	1.5 hours	0.7 hours	
Windows 151 & 152	Living/Dining/Kitchen	1.5 hours	6.8 hours	

Appendix 3 - Exposure To Sunlight

Brunel Walk, London N15 5HQ

Room	Room Use	Target Sunlight Exposure	Actual Sunlight Exposure	At least one habitable room in dwelling meets Target Sunlight Exposure
Window 153	Bedroom	1.5 hours	4.4 hours	Yes
Windows 154 & 155	Bedroom	1.5 hours	4.7 hours	
Window 156	Bedroom	1.5 hours	2.1 hours	
<u>Block C Unit 8</u>				
<u>Custom Floor</u>				
Windows 157 & 158	Living/Dining/Kitchen	1.5 hours	2.4 hours	Yes
Window 159	Bedroom	1.5 hours	0 hours	
Window 160	Bedroom	1.5 hours	0 hours	
<u>Block C Unit 9</u>				
<u>Custom Floor</u>				
Window 161	Bedroom	1.5 hours	0 hours	Yes
Windows 162 & 163	Bedroom	1.5 hours	0 hours	
Window 164	Bedroom	1.5 hours	1.2 hours	
Windows 165 to 167	Living/Dining/Kitchen	1.5 hours	6.9 hours	
<u>Block C Unit 10</u>				
<u>Custom Floor</u>				
Windows 168 to 170	Living/Dining/Kitchen	1.5 hours	7.7 hours	Yes
Window 171	Bedroom	1.5 hours	4.6 hours	
Windows 172 & 173	Bedroom	1.5 hours	6.7 hours	
<u>Block C Unit 11</u>				
<u>Custom Floor</u>				
Windows 174 & 175	Living/Dining/Kitchen	1.5 hours	2.4 hours	Yes
Window 176	Bedroom	1.5 hours	0 hours	
Window 177	Bedroom	1.5 hours	0 hours	

Appendix 3 - Exposure To Sunlight

Brunel Walk, London N15 5HQ

Room	Room Use	Target Sunlight Exposure	Actual Sunlight Exposure	At least one habitable room in dwelling meets Target Sunlight Exposure
<u>Block D Unit 1</u>				
<u>Custom Floor</u>				
Windows 178 & 179	Kitchen	1.5 hours	0.2 hours	Yes
Windows 180 to 182	Living/Dining/Kitchen	1.5 hours	5.7 hours	
Windows 183 & 184	Bedroom	1.5 hours	0.3 hours	
Windows 185 & 186	Bedroom	1.5 hours	4.9 hours	
Window 187	Bedroom	1.5 hours	4.7 hours	
<u>Block D Unit 2</u>				
<u>Custom Floor</u>				
Window 188	Kitchen	1.5 hours	0 hours	Yes
Windows 189 & 190	Living/Dining	1.5 hours	6.1 hours	
Window 191	Bedroom	1.5 hours	0 hours	
Window 192	Bedroom	1.5 hours	4.7 hours	
Window 193	Bedroom	1.5 hours	4.7 hours	
<u>Block D Unit 3</u>				
<u>Custom Floor</u>				
Window 194	Kitchen	1.5 hours	0 hours	Yes
Windows 195 & 196	Living/Dining	1.5 hours	5.4 hours	
Window 197	Bedroom	1.5 hours	0 hours	
Window 198	Bedroom	1.5 hours	4.7 hours	
Window 199	Bedroom	1.5 hours	4.7 hours	

Appendix 3 - Exposure To Sunlight
Brunel Walk, London N15 5HQ

Room	Room Use	Target Sunlight Exposure	Actual Sunlight Exposure	At least one habitable room in dwelling meets Target Sunlight Exposure
Block D Unit 4				
Custom Floor				
Window 200	Kitchen	1.5 hours	0 hours	Yes
Windows 201 & 202	Living/Dining	1.5 hours	6.1 hours	
Window 203	Bedroom	1.5 hours	0 hours	
Window 204	Bedroom	1.5 hours	4.7 hours	
Window 205	Bedroom	1.5 hours	4.7 hours	
Block D Unit 5				
Custom Floor				
Window 206	Kitchen	1.5 hours	0 hours	Yes
Windows 207 & 208	Living/Dining	1.5 hours	6.3 hours	
Window 209	Bedroom	1.5 hours	0 hours	
Window 210	Bedroom	1.5 hours	4.7 hours	
Window 211	Bedroom	1.5 hours	4.7 hours	
Block D Unit 6				
Custom Floor				
Window 212	Kitchen	1.5 hours	0 hours	Yes
Windows 213 & 214	Living/Dining	1.5 hours	5.7 hours	
Window 215	Bedroom	1.5 hours	0 hours	
Window 216	Bedroom	1.5 hours	4.7 hours	
Window 217	Bedroom	1.5 hours	4.7 hours	

Appendix 3 - Exposure To Sunlight

Brunel Walk, London N15 5HQ

Room	Room Use	Target Sunlight Exposure	Actual Sunlight Exposure	At least one habitable room in dwelling meets Target Sunlight Exposure
<u>Block D Unit 7</u>				
<u>Custom Floor</u>				
Window 218	Bedroom	1.5 hours	5.2 hours	Yes
Window 219	Bedroom	1.5 hours	5.4 hours	
Windows 220 to 222	Living/Dining/Kitchen	1.5 hours	9.3 hours	
<u>Block D Unit 8</u>				
<u>Custom Floor</u>				
Window 223	Bedroom	1.5 hours	0 hours	Yes
Windows 224 & 225	Bedroom	1.5 hours	4.3 hours	
Window 226	Bedroom	1.5 hours	4.8 hours	
Windows 227 to 229	Dining/Kitchen	1.5 hours	7.2 hours	
Windows 230 & 231	Bedroom	1.5 hours	2.4 hours	
<u>Block D Unit 9</u>				
<u>Custom Floor</u>				
Windows 232 to 235	Living/Dining/Kitchen	1.5 hours	3.1 hours	Yes
Windows 236 & 237	Bedroom	1.5 hours	0 hours	
Windows 238 & 239	Bedroom	1.5 hours	0 hours	
<u>Block D Unit 10</u>				
<u>Custom Floor</u>				
Window 240	Bedroom	1.5 hours	0 hours	Yes
Windows 241 to 245	Living/Dining/Kitchen	1.5 hours	6.9 hours	
Window 246	Bedroom	1.5 hours	4.7 hours	

Appendix 3 - Exposure To Sunlight

Brunel Walk, London N15 5HQ

Room	Room Use	Target Sunlight Exposure	Actual Sunlight Exposure	At least one habitable room in dwelling meets Target Sunlight Exposure
<u>Block D Unit 11</u>				
<u>Custom Floor</u>				
Windows 247 & 248	Living/Dining/Kitchen	1.5 hours	4.7 hours	Yes
Window 249	Bedroom	1.5 hours	4.7 hours	
<u>Block D Unit 12</u>				
<u>Custom Floor</u>				
Window 250	Bedroom	1.5 hours	4.7 hours	Yes
Windows 251 to 254	Living/Dining/Kitchen	1.5 hours	6.3 hours	
Windows 255 & 256	Bedroom	1.5 hours	0 hours	
<u>Block D Unit 13</u>				
<u>Custom Floor</u>				
Window 257	Bedroom	1.5 hours	0.3 hours	Yes
Windows 258 & 259	Bedroom	1.5 hours	4.3 hours	
Window 260	Bedroom	1.5 hours	4.8 hours	
Windows 261 to 263	Dining/Kitchen	1.5 hours	7.2 hours	
Windows 264 & 265	Living Room	1.5 hours	3.4 hours	
<u>Block D Unit 14</u>				
<u>Custom Floor</u>				
Windows 266 to 269	Living/Dining/Kitchen	1.5 hours	3.1 hours	Yes
Windows 270 & 271	Bedroom	1.5 hours	0 hours	
Windows 272 & 273	Bedroom	1.5 hours	0 hours	

APPENDIX 4

OVERSHADOWING TO GARDENS & OPEN SPACES

Appendix 4 - 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%



Key



Receives under two hours sunlight on 21st March.



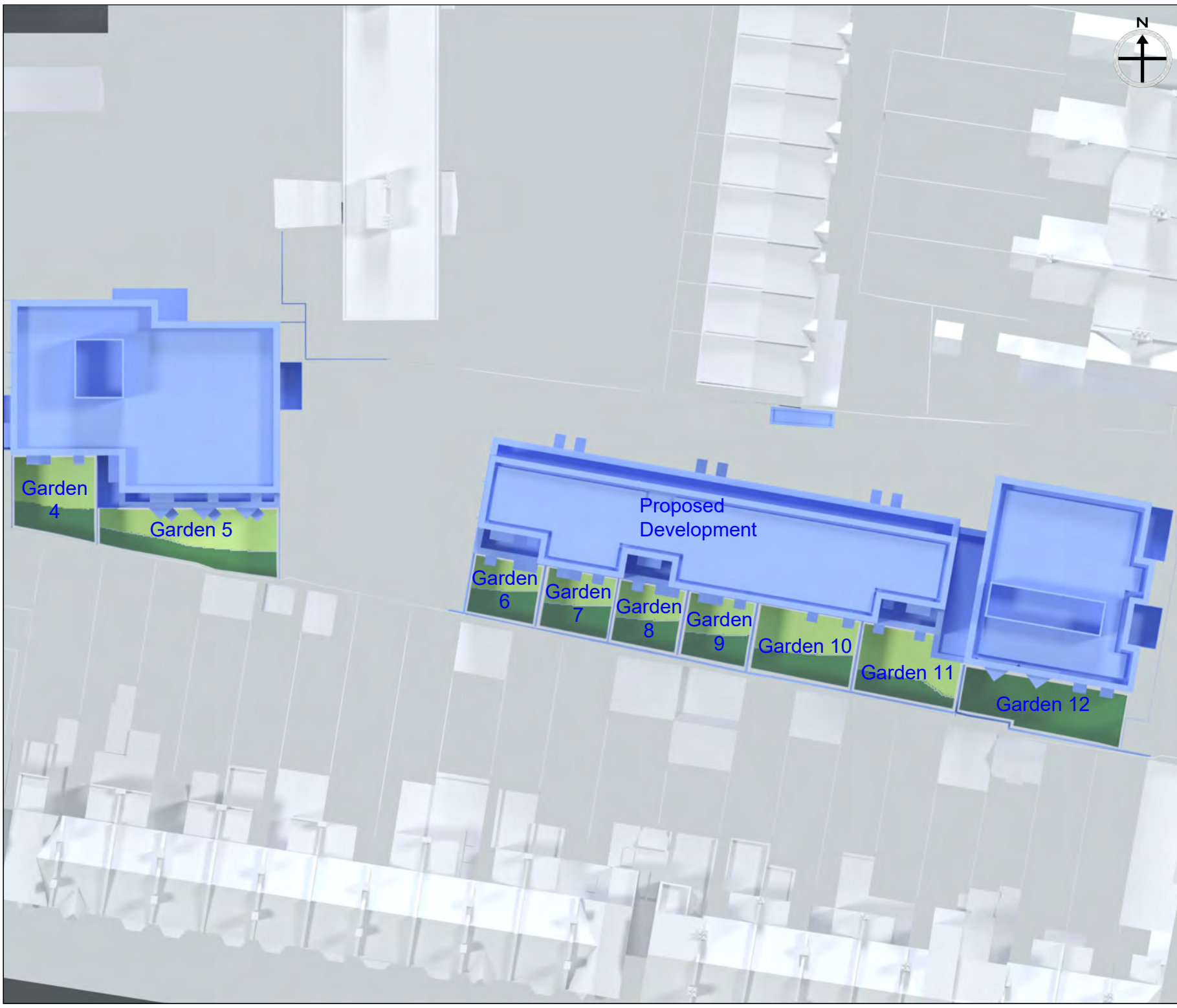
Receives at least two hours sunlight on 21st March.

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



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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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