ROYAL ARSENAL RIVERSIDE

THE ROPEYARDS

PLOTS D & K

# DAYLIGHT AND SUNLIGHT ASSESSMENT

**To Support a Reserved Matters Application**

**MARCH 2024**

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# DAYLIGHT & SUNLIGHT

## INTERNAL DAYLIGHT, SUNLIGHT AND OVERSHADOWING ASSESSMENT

**The Ropeyards, Royal Arsenal Riverside, Plots D and K**

Berkeley Homes (East Thames) Ltd

**05 March 2024**

GIA No: **19164**

PROJECT DATA:

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| Architect | **PRP Architects** |
| Project Title | **The Ropeyards, Royal Arsenal Riverside, Plots D & K** |
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Map data

# CONTENTS



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# 1 EXECUTIVE SUMMARY

The purpose of this report is to ascertain whether the Proposed Royal Arsenal Riverside, Plots D & K scheme will provide residential accommodation considered acceptable in terms of daylight and sunlight.

The proposal comprises "*Submission of Reserved Matters (Appearance, Landscaping, Layout and Scale) pursuant to Condition 2 of planning permission reference 16/3025/MA, dated 17.03.2017, for residential units and non-residential floorspace within Plots D and K, along with public / private landscaping details, car / cycle parking, refuse / recycling facilities and play provision*".

Throughout the design stages, GIA worked alongside the design team in order to optimise the proposed design as much as possible. As a result, the scheme allows for good daylight and sunlight levels whilst balancing other equally important requirements, such as overheating, acoustic quality and provision of private external amenity to all units.

All habitable rooms within the scheme have been technically assessed for Median Daylight Illuminance (MDI) and sunlight exposure against the targets recommended within the UK National Annex of BS EN 17037. The outdoor areas of communal amenity provided at ground and podium levels have been tested for overshadowing through the Sun Hours on Ground metric.

In relation to daylight, the overall performance of the scheme is good and 1214 out of the 1797 tested rooms (68%) meet or exceed the recommended targets. This figure considers the higher recommendation of 200 lux for large combined living/kitchen/dining rooms (L/K/Ds) but it increases to 73% should 150 lux (suggested for living rooms) be considered acceptable as is common in urban developments. Additionally, another large proportion of rooms fall only marginally short of the suggested targets and are considered well daylit overall. Full details on the daylight performance of the scheme can be found in section 05 of this report.

For sunlight, 411 (61%) of all proposed dwellings will have at least a south-facing window and all of these will achieve at least 1.5 hours of sunlight on the 21st March. Sunlight levels are reduced in north aspect units and in some located at the lower levels where they face another building.

With regard to overshadowing, the central plaza between Plots D and K, far exceed the suggested 2hrs target. At podium level, one area meet the 50% target whilst the other fall short. However, the sun exposure assessments demonstrates that most of the areas at podium level receives just short of the 2hrs recommendation on the 21st and a minimum of 3hrs in the summer period.

It can therefore be concluded that the development has been designed to deliver accommodation which has been optimised for daylight and sunlight.

In conclusion, as a result of the optimisation throughout the design process and good design practice, the Proposed Development will provide future residents with good daylight and sunlight amenity overall.

# 2 INTRODUCTION

GIA has been instructed to provide a report upon the potential availability of daylight and sunlight to the proposed student and residential accommodations within the Proposed Development designed by PRP Architects architects.

GIA was specifically instructed to carry out the following:

- To create a 3D computer model of the proposal based upon drawings and 3D computer models prepared by PRP Architects.
- Carry out a daylight assessment using the methodologies set out in the BRE guidance for 'Median Daylight Illuminance' (or 'MDI').
- Carry out a sunlight assessment using the methodologies set out in the BRE guidance for solar exposure.
- Carry out an overshadowing assessment of the communcal open spaces using the methodology set out in the BRE guidance for 'Sun Hours On Ground' (or 'SHOG') for all relevant amenity areas. And
- Prepare a report setting out the analysis and our findings.

# 3 BRE GUIDELINES

The Building Research Establishment (BRE) have set out in their handbook 'Site Layout Planning for Daylight and Sunlight a Guide to Good Practice (BR 209 2022)', guidelines and methodology for the measurement and assessment of daylight and sunlight within proposed buildings.

## 3.1 INTRODUCTION

The BRE published the new edition of 'Site layout planning for daylight and sunlight: a guide to good practice' in June 2022 (BR 209), This is to be read in conjunction with BS EN 17037:2018 "Daylight in buildings", the UK National Annex of the British Standard and the CIBSE publication LG 10 'Daylighting – a guide for designers'.

The BR 209 new edition contains amended methodologies for appraising the daylight and sunlight quality within new developments. Nonetheless, the main aim of the guidance is maintained: *"to help rather than constrain the designer"* as stated in Paragraph 1.5 of the new guidance.

The report provides advice, but also clearly states that it *"is not mandatory and the guide should not be seen as an instrument of planning policy."* The guidance also acknowledges in its introduction that *"Although it gives numerical guidelines, these should be interpreted flexibly since natural lighting is only one of many factors in site layout design (see Section 5). In special circumstances the developer or planning authority may wish to use different target values. For example, in a historic city centre, or in an area with modern high-rise buildings, a higher degree of obstruction may be unavoidable if new developments are to match the height and proportions of existing buildings."* (Paragraph 1.6)

## 3.2 BS EN 17037:2018 AND THE UK ANNEX

The British Standard BS8206-2:2008 was superseded by the new European Standard on daylight BS EN 17037:2018 "Daylight in buildings".

Following on from the review of the European Standard by a dedicated commission of UK experts, the British Standard Institution appended to BS EN 17037:2018 a UK National Annex which brings the recommended light levels in line with those of the former BS8206-2:2008.

The BS EN 17037 includes four criteria: daylighting, views, sunlight access and glare. However, daylighting and sunlight access are the only criteria considered relevant for residential buildings and therefore discussed within this report.

View out and Glare are mostly relevant in offices and schools, where occupants are more fixed to a certain location within a room. In residential habitable rooms, occupants tend to move more freely and therefore view out and glare are not assessed within residential buildings.

In relation to sunlight access, the assessment considers the hours of sunlight reaching a window on the 21st March.

## 3.3 DAYLIGHT

The BRE set out the methods for assessing daylight within a proposed building within section 2.1 and Appendix C of the handbook. This is based on the methods detailed in the BS EN 17037.

BS EN 17037 suggests two possible methodologies for appraising daylight:

- Illuminance Method
- Daylight Factor Method

These methodologies are discussed in more detail below.

Whilst Vertical Sky Component (VSC) is no longer directly used to calculate the levels of daylight indoors, this is still referenced within the BRE guidance as a metric to appraise the level of obstruction faced by a building and the potential for good daylight indoors.

This method of assessment may also be used to appraise the daylight quality in the early stages of the design, when room layouts or window locations are still undecided.

**Vertical Sky Component (VSC)**

This method of assessment can be undertaken using a skylight indicator or a Waldram diagram. It measures from a single point, at the centre of the window (if known at the early design stage), the quantum of sky visible taking into account all external obstructions. Whilst these obstructions can be either other buildings or the general landscape, trees are usually ignored unless they form a continuous or dense belt of obstruction.

The VSC method is a useful 'rule of thumb' but has some significant limitations in determining the true quality of daylight within a proposed building. It does not take into account the size of the window, any reflected light off external obstructions, any reflected light within the room, or the use to which that room is put.

**Illuminance method**

Climate Based Daylight Modelling (CBDM) is used to predict daylight illuminance using sun and sky conditions derived from standard meteorological data (often referred to as climate or weather data). This analytical method allows the prediction of absolute daylight illuminance based on the location and building orientation, in addition to the building's daylight systems (shading systems, for example). Annex A within the BS EN 17037 proposes values of target illuminances and minimum target illuminances to exceed 50 % of daylight hours.

This is considered to be the most accurate approach when using climate data, however, it provides a very large amount of data for each assessed room, which then needs to be interrogated. One of the methodologies that can be used to interrogate this data is Spatial Daylight Autonomy (sDA).

Spatial Daylight Autonomy (sDA)

The sDA assessment is designed to understand how often each point of the room's task area sees illuminance levels at or above a specific threshold.

BS EN 17037 sets out minimum illuminance levels (300lx) that should be exceeded over 50% of the space for more than half of the daylight hours in the year. It also includes recommendations for medium and high daylighting levels within a space (500lx and 700lx respectively). It should be noted here, however, that these targets are specified irrespective of a space's use or design.

The National Annex suggests that these targets can be challenging to achieve within residential settings, particularly in areas of higher density and so suggests lower targets can be considered in this situation. It should be noted here that the reduced targets suggested within the BS EN 17037:2018 National Annex are provided so as to be comparable with the previous BR209's recommendations for ADF. These targets are:

- 100 lux for bedrooms
- 150 lux for living rooms
- 200 lux for living/kitchen/diners, kitchens, and studios.

It is however stated in paragraph C17 of the BRE that: "*Where a room has a shared use, the highest target should apply. For example in a bed sitting room in student accommodation, the value for a living room should be used if students would often spend time in their rooms during the day. 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".*

**Daylight Factor method**

This method involves calculating the median daylight factor on a reference plane (assessment grid).

*"The daylight factor is the illuminance at a point on the reference plane in a space, divided by the illuminance on an unobstructed horizontal surface outdoors. The CIE standard overcast sky is used, and the ratio is usually expressed as a percentage*."

This method of assessments considers an overcast sky, and therefore the orientation and location of buildings is not relevant. In order to account for different climatic conditions, Annex A within the BS EN 17037 sets equivalent daylight factor targets (D) for various locations in Europe.

The median daylight factor (MDF) should meet or exceed the target daylight factor relative to a given illuminance for more than half of daylight hours, over 50% of the reference plane.

## 3.4 SUNLIGHT

The BRE provide guidance in respect of sunlight quality for new developments within section 3.1 of the handbook. It is generally acknowledged that the presence of sunlight is more significant in residential accommodation than it is in commercial properties, and this is reflected in the BRE document.

It states, *"in housing, the main requirement for sunlight is in living rooms, where it is valued at any time of the 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."*

The BRE guide considers the critical aspects of orientation and overshadowing in determining the availability of sunlight at a proposed development site.

The guide proposes minimising the number of dwellings whose living room face solely north unless there is some compensating factor such as an appealing view to the north, and it suggests a number of techniques to do so. Furthermore, it discusses massing solutions with a sensitive approach to overshadowing, so as to maximize access to sunlight.

At the same time, it acknowledges that the site's existing urban environment may impose orientation or overshadowing constraints which may not be possible to overcome.

To quantify sunlight access for interiors where sunlight is expected, it refers to the BS EN 17037 criterion that the minimum duration of sunlight exposure in at least one habitable room of a dwelling should be 1.5 h on March 21st. Table A.5 also establishes medium and high sunlight targets (3 and 4 hours).

This is to be checked at a reference point located centrally to the window's width and at the inner surface of the aperture (façade and/or roof). For multiple apertures in different façades it is possible to cumulate the time of sunlight availability if not occurring at the same time. The reference point is minimum 1.2 m above the floor and 0.3 m above the window sill if present.

The summary of section 3.1 of the guide states as follows:

*"In general, a dwelling or non-domestic building which has a particular requirement for sunlight, will appear reasonably sunlit provided that:*

- *At least one main window 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. This is assessed at the inside centre of the window(s); sunlight received by different windows can be added provided they occur at different times and sunlight hours are not double counted.. "*

## 3.5 OVERSHADOWING

The BRE guidance in respect of overshadowing of amenity spaces is set out in section 3.3 of the handbook. Here it states as follows:

*"Sunlight in the spaces between and around buildings has an important impact on the overall appearance and ambience of a development. It is valuable for a number of reasons, to:*

- *provide attractive sunlit views (all year)*
- *make outdoor activities like sitting out and children's play more pleasant (mainly warmer months)*
- *encourage plant growth (mainly spring and summer)*
- *dry out the ground, reducing moss and slime (mainly in colder months)*
- *melt frost, ice and snow (in winter)*
- *dry clothes (all year).*

Again, it must be acknowledged that in urban areas the availability of sunlight on the ground is a factor which is significantly controlled by the existing urban fabric around the site in question and so may have very little to do with the form of the development itself. Likewise, there may be many other urban design, planning and site constraints which determine and run contrary to the best form, siting and location of a proposed development in terms of availability of sun on the ground.

The summary of section 3.3 of the guide states as follows:

*"3. 3 .17 It is recommended that for it to appear adequately sunlit throughout the year, at least half of a garden or amenity area should receive at least two hours of sunlight on 21 March. If as a result of new development an existing garden or amenity area does not meet the above, and the area that can receive two hours of sun on 21 March is less than 0.80 times its former value, then the loss of sunlight is likely to be noticeable. If a detailed calculation cannot be carried out, it is recommended that the centre of the area should receive at least two hours of sunlight on 21 March.."*

## 3.6 FURTHER RELEVANT INFORMATION

**CIBSE LG 10 'Daylighting – a guide for designers'.**

This guide details the process of designing for daylighting. It outlines considerations of form, orientation, and other aspects involved in designing the building envelope to optimise natural light.

The guidance in this document is written primarily for buildings located within the UK, and will be most applicable to projects in northern hemisphere. However, the principles are universal, and can be applied to other locations if the appropriate weather data is used and local standards and regulations are respected

# 4 SIMULATION ASSUMPTIONS

In order to undertake the daylight and sunlight assessments set out in the previous pages, we have prepared a three dimensional computer model and used specialist lighting simulation software.

### Calculation Model

The three dimensional representation of the proposed development has been modelled using the drawings prepared by PRP Architects, received by GIA in February 2024. These have been placed in the context of their surrounding buildings which have been modelled from survey information, photogrammetry and OS. This allows for a precise model, which in turn ensures that analysis accurately represents the amount of daylight and sunlight available to the building façades, internal and external spaces, considering all of the surrounding obstructions and orientation.

### Weather File

The weather file recorded at Gatwick Airport was considered the most relevant for this assessment.

### Surfaces Reflectance

In general, the reflectance value to be applied to surfaces in the computational modelling follows the BR 209 Annex C, unless specified by the design team. Assumptions applied are:

- Interior floors - 0.40
- Interior walls - 0.70
- Interior ceilings - 0.80
- Exterior ground and external obstructions - 0.20

### Assessment Grids

For the daylight assessments, an analysis 'grid' is located within each room at working plane height (0.85m from FFL) and offset by 0.30m from the walls as recommended by BR 209. Grid points are spaced by 0.20m.

### Assessment Resolution

The climate-based daylight assessments have been undertaken on an hourly basis whilst the sunlight exposure assessment has been undertaken for every minute on the relevant days.

### Glazing Transmittance

A glazing visible light transmittance (VLT) of 68% has been used as in agreement with the wider design team. A framing factor has been taken from the elevations supplied. Maintenance factors have been applied as per BR209 with 0.92 for windows not beneath an overhang and 0.76 for windows beneath an overhang.

The final transmittance values are shown in the table below.

| | GLAZING TYPE | TV (Normal) | TABLE NA.2 | TABLE NA.3 | TABLE NA.4 | FRAMING FACTOR | TV (Total) |
|---|---|---|---|---|---|---|---|
| | TYPE 01 | 0.68 | 8 | 1 | 1 | 0.65 | 0.41 |
| | TYPE 02 | 0.68 | 8 | 1 | 1 | 0.70 | 0.44 |
| | TYPE 03 | 0.68 | 8 | 1 | 1 | 0.75 | 0.47 |
| | TYPE 04 | 0.68 | 8 | 1 | 3 | 0.65 | 0.34 |
| | TYPE 05 | 0.68 | 8 | 1 | 3 | 0.70 | 0.36 |
| | TYPE 06 | 0.68 | 8 | 1 | 3 | 0.75 | 0.39 |

Table 01: Transmittance and maintenance factors

## 4.1 **WINDOW TYPES** (PART 01/03)

Fig. 01: North-west view- - Block D

Fig. 02: South-east view - Block D

1 2 3 4 5 6

## 4.2 **WINDOW TYPES** (PART 02/03)

Fig. 04: West view - Block D

Fig. 03: East view - Block D

## 4.3 **WINDOW TYPES** (PART 03/03)

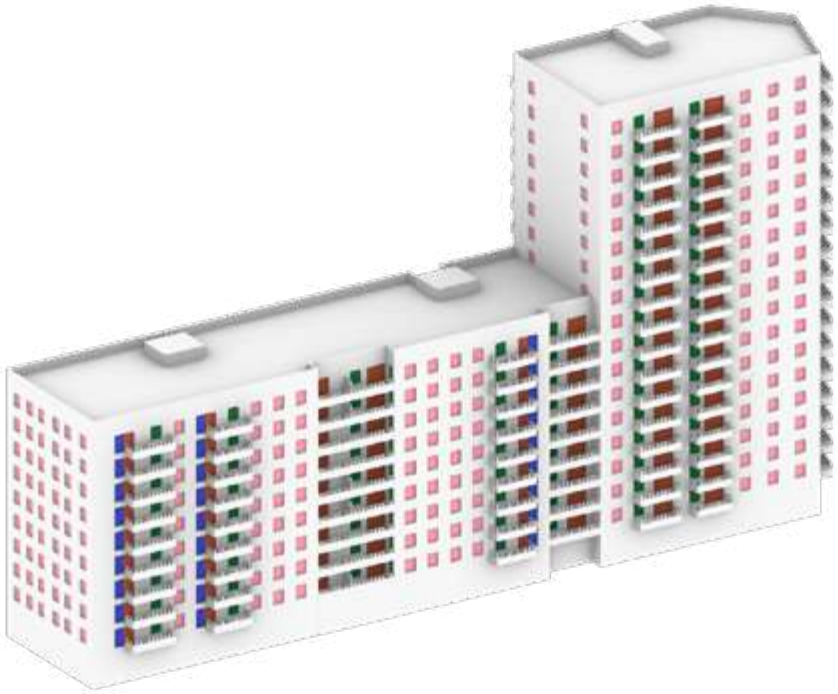

Fig. 05: South -east view - Block K

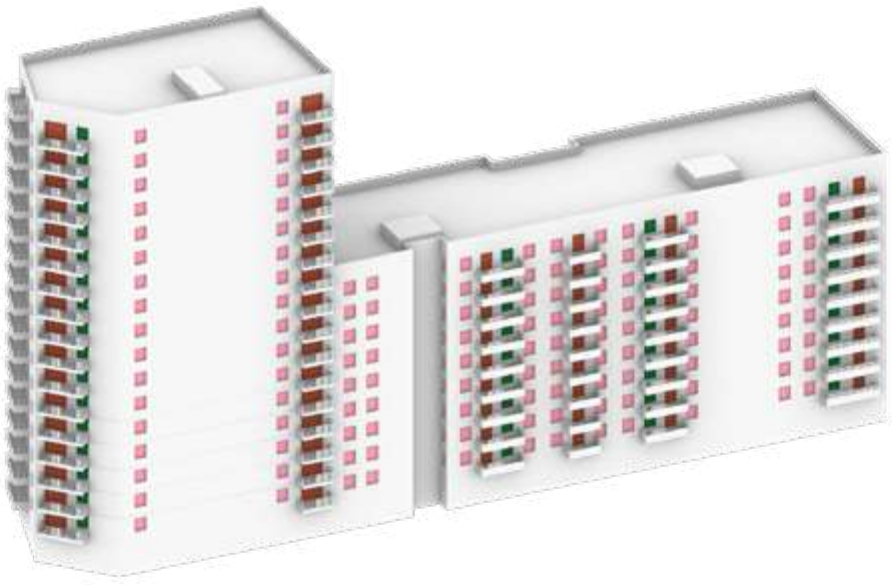

Fig. 06: North-west view - Block K

# 5 CONCLUSIONS

## 5.1 DESIGN EVOLUTION

The architecture and massing of the proposed scheme respond directly to the site constraints and development potential.

The seven proposed buildings in total, ranging from 9 to 18 storeys, enjoy good daylight and sunlight potential on the outer façades and upper levels. As is to be expected of any urban environment, lower levels of daylight and sunlight are seen in the more obstructed areas of the façades, typically on the lowest floors and the elevations facing other buildings.

GIA worked alongside the architects to help design a scheme with maximised levels of daylight and sunlight throughout. Such collaboration entailed an iterative process of technical assessments and feedback, where different elevation details and internal layouts were tested in order to optimise the light levels.

Daylight is, however, only one of many factors to be considered when designing buildings, and it must be balanced with other relevant concerns. For instance, modern standards of thermal and acoustic insulation mean that buildings, if not designed carefully, may struggle with the overheating and acoustic requirements. In a large-scale residential scheme, such requirements are usually met by decreasing the glazing area and specifying high-performance glazing, which can reduce the potential for indoor daylighting in some areas of a masterplan. In addition, balconies are also a desired feature of modern living and act as a shading feature, providing passive mitigation for overheating. However, it reduces the daylight and sunlight in rooms located behind them. As such, the proposed design has sought to strike the best possible balance, taking into account all these design constraints, among many others.

In addition to the above, it is important to bear in mind that the BRE Guidelines and the Housing SPG call for contextually appropriate daylight and sunlight targets, as opposed to measuring a development's performance based on nationally applicable numerical targets which are less suitable in denser urban environments.

In this context, lower light levels are a natural consequence of balancing different design targets, such as thermal insulation and private amenity provision. This is acknowledged by BRE, which explains the advisory nature of the BRE Guidelines in section 1.6 of its handbook.

Therefore, the results presented in this report are not meant to be interpreted as a strict pass/fail test based on a nation-wide applicable target; they should instead be appreciated considering the site aspirations, density and ambitious sustainability goals.

Overall, the scheme provides good levels of daylight and sunlight, and further details are provided below.

## 5.2 CONCLUSIONS ON DAYLIGHT

In order to ascertain the levels of daylight within the proposed development, all relevant habitable rooms have been technically assessed for Median Daylight Illuminance (MDI) against the targets recommended within the UK National Annex of BS EN 17037.

The full assessment results are provided in Section 7 of this report, and they show that 1214 out of the 1797 tested rooms (68%) in Plots D and K meet or exceed the minimum daylight illuminance levels.

This figure considers the higher recommendation of 200 lux for large combined living/kitchen/dining rooms (L/K/Ds) but it would increase to 73% as another 95 L/K/Ds see at least the 150 lux which is the target suggested for living rooms and considered acceptable as is common in urban developments. Moreover, this alternative target for LKDs is endorsed by the BRE guidance which states in Appendix C paragraph 17 that "*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*".

Additionally, another 21 LKDs and 50 bedrooms fall just short of their targets and see at least 140 lux and 90 lux, where 150 lux and 90 lux is suggested, respectively. Therefore, a high proportion (77%) of the proposed habitable rooms achieve or just fall short of the suggested BRE targets.

The remaining rooms falling short of the daylight recommendations are: 249 LKDs, eight living rooms, nine kitchens and 151 bedrooms, spread across all buildings.

The performance of the LKDs seeing lower levels of daylight is detailed below:

- 50 LKDs achieve between 120 lux and 140 lux MDI;
- 56 LKDs see at least the minimum recommendation for bedrooms (100 lux);
- 136 LKDs see between 50 lux and 100 lux MDI;
- The remaining seven LKDs falling short achieve below 50 lux MDI.

All the above LKDs are generously sized combined living kitchen and dining rooms, provided with balconies, located on the lowest floors and facing other buildings in the masterplan. In generously-sized LKDs, natural light is typically concentrated at the front, with the rear (where kitchens are placed) relying more on supplementary artificial lighting. As MDI (Medium Daylight Illuminance) is calculated roughly at the centre of the room, this may lead to shortfalls even in rooms enjoying good levels of light in their front part. Therefore, should only the living and dining areas at the front of those LKDs be assessed, it is likely that all of them would show greater levels of MDI.

Furthermore, most of the lower performing LKDs are provided with projecting or inset balconies, which inherently limit the daylight and sunlight ingress into the rooms below by obstructing their windows. The provision of private amenity space to all units is suggested by planning policy and considered to outweigh the reduced daylight and sunlight amenity it causes. This is a common trade-off of different types of amenity (private amenity space vs daylight and sunlight) which occurs throughout London and is generally deemed acceptable. In addition, these features reduces the risk of overheating on rooms facing south or southwest.

Of the total 27 living rooms tested, only eight see lower levels of daylight illuminance. Five of them see between 100 lux and 135 lux MDI and the other three see 81, 90 and 98 lux, respectively. These are all located in the lowest levels Plot K, behind a balcony and facing Plot D.

The performance of kitchens is similar to that of living rooms with only nine of them seeing lower levels of daylight illuminance that range from 36 to 105 lux MDI. These kitchens are located within units at the lowest levels of Plot K and positioned behind a balcony.

Finally, of the total 1107 bedrooms assessed only 151 see lower levels of daylight. However, 125 of these bedrooms achieve between 50 lux and 90 lux which is at least half of the minimum recommendation for bedrooms (100 lux MDI). The remaining 26 bedrooms, see levels of MDI ranging from 20 lux to 49 lux. Most of these rooms are located at the lowest floors of Plot D and face the podium courtyards, where daylight expectation is lower.

Overall, we conclude that the proposed scheme will offer good levels of daylight amenity to the vast majority of the proposed habitable rooms.

## .CONCLUSIONS ON SUNLIGHT

In relation to sunlight, BRE recommends that one room within each dwelling, preferably the main living space, sees at least one and a half hours of direct sunlight on the equinox (21st March).

Sunlight exposure assessments have, therefore, been undertaken for all rooms, and results are provided in Section 7 of this report.

The results show that 411 (61%) of all proposed dwellings will have at least one south-facing window and all of these will achieve at least 1.5 hours of sunlight on the 21st of March.

Lower levels of sunlight are expected in units predominantly facing north, as well as in those located on the lower floors and where balconies act as shading devices, obstructing high-angle sunlight. This is a common occurrence where balconies are provided, and future occupants are likely to enjoy greater levels of summer sunlight in their balconies.

Overall, we can conclude that the proposed development offers acceptable levels of sunlight for the enjoyment of future occupants.

## 5.3 CONCLUSIONS ON OVERSHADOWING

As suggested by BRE, all proposed public and communal areas of amenity have been assessed for Sun Hours on Ground. The BRE guidance recommends that for an area to be adequately sunlit throughout the year, at least 50% of its space should receive two or more hours of sunlight on 21st March.

The results of the BRE test are presented on page 114, whilst more detailed sun exposure assessments for the equinoxes and summer solstice are illustrated on pages 115 and 116

The central plaza between Plots D and K has been tested and shows excellent performance, with 97% of the area seeing a minimum of two or more hours of direct sunlight on 21st March. The sun exposure diagrams show that a significant proportion of this outdoor space sees considerably more, with over five hours of direct sunlight available mid-season.

For the areas tested at podium level within Plot D, one meets the minimum guidance whilst the other falls short of the 50% target. Nonetheless, the sun exposure diagrams on page 116 demonstrate that most of the area sees at least 1.5 hrs of direct sunlight on 21st March and above 3.5 hours in the summer.

Overall, the proposed scheme provides a variety of well sunlit amenity spaces with different degrees of sunlight.

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# 6 SITE OVERVIEW

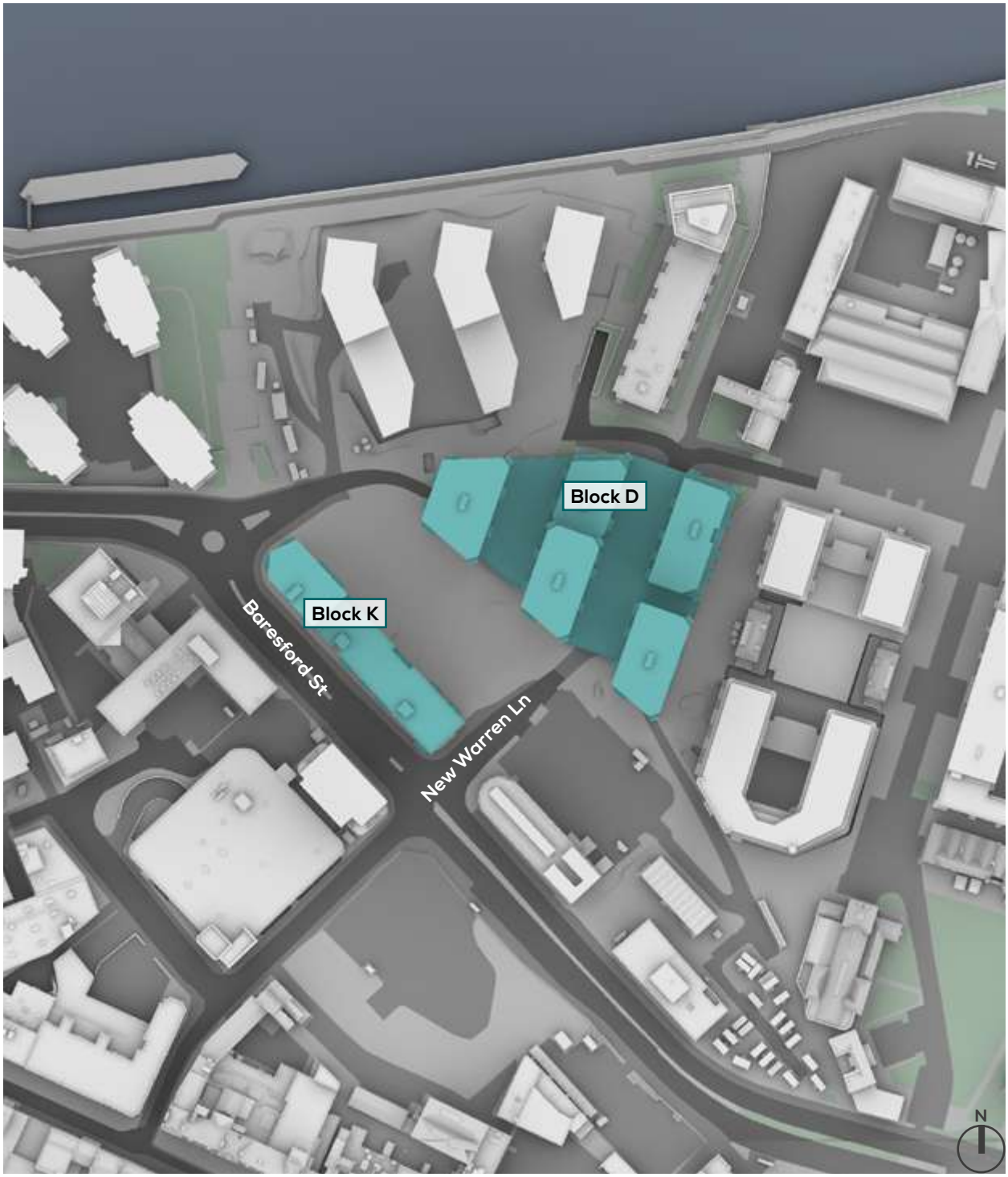



Fig. 07: Top view

Fig. 08: Perspective view

# 7 INTERNAL DAYLIGHT AND SUNLIGHT ASSESSMENTS

## Block D - Level 00

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | | | BY ROOM |
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | 21 MAR |
| BLOCKD - LEVEL 00 | | | | | |
| 1 | A | BEDROOM | 190 | 100 | 02:39 |
| 2 | A | BEDROOM | 188 | 100 | 02:39 |
| 3 | A | L/K/D | 109 | 200 | 03:50 |
| 4 | B | BEDROOM | 195 | 100 | 02:39 |
| 5 | B | L/K/D | 242 | 200 | 03:50 |
| 6 | C | L/K/D | 171 | 200 | 02:17 |
| 7 | C | BEDROOM | 111 | 100 | 02:39 |
| 8 | D | BEDROOM | 124 | 100 | 01:07 |
| 9 | D | L/K/D | 89 | 200 | 00:00 |
| 10 | E | BEDROOM | 109 | 100 | 00:50 |
| 11 | E | L/K/D | 305 | 200 | 01:23 |
| 12 | E | BEDROOM | 132 | 100 | 00:00 |

Table 02: Assessment Data

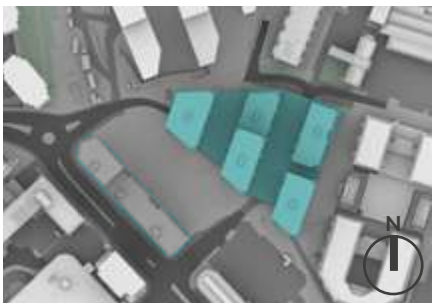

Fig. 09: Floor Plan

## Block D - Level 01 - part 01/02

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM<br>21 MAR |
| BLOCKD - LEVEL 01 | | | | | |
| 13 | F | BEDROOM | 66 | 100 | 00:00 |
| 14 | F | BEDROOM | 46 | 100 | 00:00 |
| 15 | F | L/K/D | 103 | 200 | 00:13 |
| 16 | G | L/K/D | 70 | 200 | 00:19 |
| 17 | G | BEDROOM | 83 | 100 | 00:24 |
| 18 | H | BEDROOM | 92 | 100 | 00:19 |
| 19 | H | L/K/D | 99 | 200 | 00:10 |
| 20 | I | L/K/D | 159 | 200 | 00:02 |
| 21 | I | BEDROOM | 83 | 100 | 02:18 |
| 22 | I | BEDROOM | 120 | 100 | 02:21 |
| 23 | J | BEDROOM | 85 | 100 | 02:25 |
| 24 | J | BEDROOM | 97 | 100 | 02:36 |
| 25 | J | L/K/D | 167 | 200 | 01:01 |
| 26 | J | BEDROOM | 106 | 100 | 00:46 |
| 27 | K | STUDIO | 94 | 200 | 00:08 |
| 28 | L | BEDROOM | 73 | 100 | 00:01 |
| 29 | L | BEDROOM | 83 | 100 | 00:00 |
| 30 | L | L/K/D | 67 | 200 | 00:00 |
| 31 | M | BEDROOM | 92 | 100 | 00:00 |
| 32 | M | L/K/D | 128 | 200 | 00:00 |
| 33 | M | BEDROOM | 60 | 100 | 00:00 |
| 34 | M | BEDROOM | 50 | 100 | 00:00 |
| 35 | N | L/K/D | 91 | 200 | 00:23 |
| 36 | N | BEDROOM | 46 | 100 | 00:00 |
| 37 | O | L/K/D | 60 | 200 | 00:00 |
| 38 | O | BEDROOM | 21 | 100 | 00:00 |
| 39 | O | BEDROOM | 20 | 100 | 00:34 |
| 40 | P | BEDROOM | 49 | 100 | 00:00 |
| 41 | P | L/K/D | 69 | 200 | 00:00 |
| 42 | Q | L/K/D | 72 | 200 | 01:00 |
| 43 | Q | BEDROOM | 93 | 100 | 00:13 |
| 44 | R | BEDROOM | 120 | 100 | 00:00 |
| 45 | R | L/K/D | 71 | 200 | 00:14 |
| 46 | S | L/K/D | 227 | 200 | 00:10 |
| 47 | S | BEDROOM | 230 | 100 | 03:03 |
| 48 | T | BEDROOM | 239 | 100 | 03:22 |
| 49 | T | L/K/D | 258 | 200 | 01:55 |
| 50 | T | BEDROOM | 143 | 100 | 00:56 |
| 51 | U | L/K/D | 91 | 200 | 00:00 |
| 52 | U | BEDROOM | 125 | 100 | 00:13 |
| 53 | V | BEDROOM | 139 | 100 | 00:54 |
| 54 | V | L/K/D | 102 | 200 | 00:42 |
| 55 | W | L/K/D | 61 | 200 | 00:51 |
| 56 | W | BEDROOM | 56 | 100 | 00:25 |
| 57 | W | BEDROOM | 49 | 100 | 00:00 |
| 58 | X | BEDROOM | 22 | 100 | 00:00 |
| 59 | X | BEDROOM | 32 | 100 | 00:00 |

Table 03: Assessment Data


Fig. 10: Floor Plan

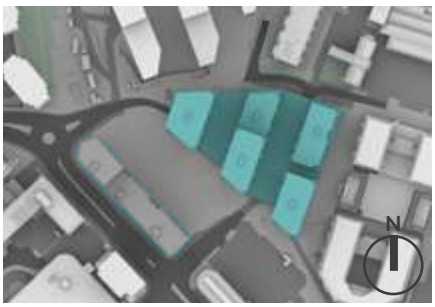


## Block D - Level 01 - part 02/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | | | BY ROOM |
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | 21 MAR |
| 69 | AB | BEDROOM | 54 | 100 | 00:00 |
| 70 | AC | BEDROOM | 52 | 100 | 00:00 |
| 71 | AC | L/K/D | 70 | 200 | 00:10 |
| 72 | AD | BEDROOM | 38 | 100 | 00:00 |
| 73 | AD | L/K/D | 67 | 200 | 00:25 |
| 74 | AE | L/K/D | 116 | 200 | 01:06 |
| 75 | AE | BEDROOM | 36 | 100 | 00:00 |
| 76 | AF | BEDROOM | 59 | 100 | 00:10 |
| 77 | AG | BEDROOM | 56 | 100 | 00:00 |
| 78 | AH | BEDROOM | 69 | 100 | 00:00 |
| 79 | AH | L/K/D | 126 | 200 | 00:32 |
| 80 | AI | L/K/D | 96 | 200 | 01:23 |
| 81 | AI | BEDROOM | 102 | 100 | 00:18 |
| 82 | AJ | L/K/D | 81 | 200 | 00:00 |
| 83 | AJ | BEDROOM | 137 | 100 | 01:24 |
| 84 | AK | BEDROOM | 171 | 100 | 01:54 |
| 85 | AK | L/K/D | 91 | 200 | 00:58 |
| 86 | AG | BEDROOM | 158 | 100 | 02:47 |
| 87 | AG | L/K/D | 141 | 200 | 03:22 |
| 88 | AF | L/K/D | 99 | 200 | 02:38 |
| 89 | AF | BEDROOM | 170 | 100 | 03:50 |
| 90 | AL | L/K/D | 97 | 200 | 02:17 |
| 91 | AL | BEDROOM | 83 | 100 | 02:39 |
| 92 | AM | L/K/D | 65 | 200 | 00:42 |
| 93 | AM | BEDROOM | 80 | 100 | 01:15 |
| 94 | AN | BEDROOM | 82 | 100 | 01:07 |
| 95 | AN | L/K/D | 61 | 200 | 00:00 |
| 96 | AO | BEDROOM | 87 | 100 | 00:50 |
| 97 | AO | L/K/D | 190 | 200 | 01:23 |
| 98 | AO | BEDROOM | 100 | 100 | 00:00 |
| 99 | AP | BEDROOM | 239 | 100 | 00:00 |
| 100 | AP | L/K/D | 229 | 200 | 00:00 |
| 101 | AP | BEDROOM | 51 | 100 | 00:00 |

Table 04: Assessment Data


Fig. 11: Floor Plan

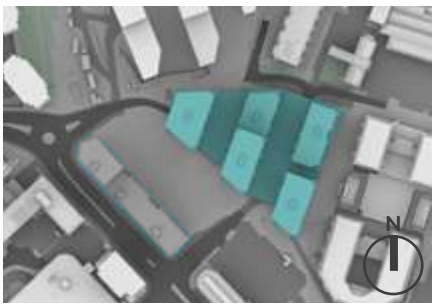


## Block D - Level 02 - part 01/02

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKD - LEVEL 02 | | | | | |
| 102 | AQ | BEDROOM | 68 | 100 | 00:00 |
| 103 | AQ | BEDROOM | 48 | 100 | 00:00 |
| 104 | AQ | L/K/D | 106 | 200 | 00:28 |
| 105 | AR | L/K/D | 70 | 200 | 00:21 |
| 106 | AR | BEDROOM | 87 | 100 | 00:25 |
| 107 | AS | BEDROOM | 96 | 100 | 00:25 |
| 108 | AS | L/K/D | 101 | 200 | 00:23 |
| 109 | AT | L/K/D | 164 | 200 | 01:12 |
| 110 | AT | BEDROOM | 91 | 100 | 03:49 |
| 111 | AT | BEDROOM | 139 | 100 | 03:51 |
| 112 | AU | BEDROOM | 109 | 100 | 03:47 |
| 113 | AU | BEDROOM | 107 | 100 | 03:49 |
| 114 | AU | L/K/D | 173 | 200 | 02:07 |
| 115 | AU | BEDROOM | 107 | 100 | 00:46 |
| 116 | AV | L/K/D | 75 | 200 | 00:00 |
| 117 | AV | BEDROOM | 90 | 100 | 00:00 |
| 118 | AV | BEDROOM | 76 | 100 | 00:08 |
| 119 | AW | BEDROOM | 77 | 100 | 00:01 |
| 120 | AW | BEDROOM | 92 | 100 | 00:00 |
| 121 | AW | L/K/D | 68 | 200 | 00:00 |
| 122 | AX | BEDROOM | 96 | 100 | 00:00 |
| 123 | AX | L/K/D | 136 | 200 | 00:00 |
| 124 | AX | BEDROOM | 64 | 100 | 00:00 |
| 125 | AX | BEDROOM | 60 | 100 | 00:00 |
| 126 | AY | L/K/D | 105 | 200 | 00:22 |
| 127 | AY | BEDROOM | 94 | 100 | 00:00 |
| 128 | AZ | L/K/D | 55 | 200 | 00:00 |
| 129 | AZ | BEDROOM | 43 | 100 | 00:00 |
| 130 | AZ | BEDROOM | 45 | 100 | 01:17 |
| 131 | BA | BEDROOM | 46 | 100 | 00:00 |
| 132 | BA | BEDROOM | 42 | 100 | 00:23 |
| 133 | BA | L/K/D | 37 | 200 | 00:59 |
| 134 | BB | L/K/D | 66 | 200 | 01:56 |
| 135 | BB | BEDROOM | 102 | 100 | 01:12 |
| 136 | BC | BEDROOM | 129 | 100 | 00:20 |
| 137 | BC | L/K/D | 70 | 200 | 01:32 |
| 138 | BD | L/K/D | 240 | 200 | 01:43 |
| 139 | BD | BEDROOM | 247 | 100 | 04:21 |
| 140 | BE | BEDROOM | 253 | 100 | 04:23 |
| 141 | BE | L/K/D | 268 | 200 | 02:20 |
| 142 | BE | BEDROOM | 149 | 100 | 00:56 |
| 143 | BF | L/K/D | 78 | 200 | 00:00 |
| 144 | BF | BEDROOM | 133 | 100 | 00:32 |
| 145 | BG | BEDROOM | 145 | 100 | 00:57 |
| 146 | BG | L/K/D | 90 | 200 | 00:42 |
| 147 | BH | L/K/D | 52 | 200 | 01:01 |
| 148 | BH | BEDROOM | 52 | 100 | 00:25 |

Table 05: Assessment Data


Fig. 12: Floor Plan

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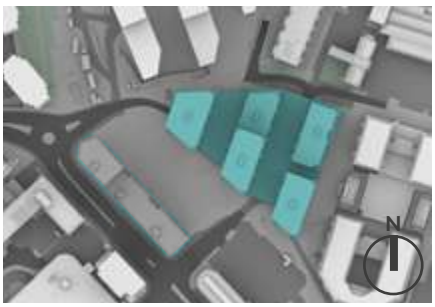
## Block D - Level 02 - part 02/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | | | BY ROOM |
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | 21 MAR |
| 158 | BL | BEDROOM | 162 | 100 | 00:00 |
| 159 | BL | BEDROOM | 82 | 100 | 00:00 |
| 160 | BL | L/K/D | 152 | 200 | 00:00 |
| 161 | BM | L/K/D | 74 | 200 | 00:00 |
| 162 | BM | BEDROOM | 113 | 100 | 00:00 |
| 163 | BN | BEDROOM | 109 | 100 | 00:00 |
| 164 | BN | L/K/D | 68 | 200 | 00:10 |
| 165 | BO | BEDROOM | 78 | 100 | 00:00 |
| 166 | BO | L/K/D | 61 | 200 | 00:25 |
| 167 | BP | BEDROOM | 94 | 100 | 00:00 |
| 168 | BP | L/K/D | 106 | 200 | 01:08 |
| 169 | BQ | BEDROOM | 88 | 100 | 00:09 |
| 170 | BP | BEDROOM | 87 | 100 | 00:00 |
| 171 | BR | BEDROOM | 61 | 100 | 00:00 |
| 172 | BS | BEDROOM | 87 | 100 | 00:00 |
| 173 | BS | L/K/D | 120 | 200 | 00:57 |
| 174 | BS | BEDROOM | 101 | 100 | 01:10 |
| 175 | BT | L/K/D | 91 | 200 | 02:03 |
| 176 | BT | BEDROOM | 148 | 100 | 01:19 |
| 177 | BU | BEDROOM | 166 | 100 | 00:49 |
| 178 | BU | L/K/D | 99 | 200 | 01:55 |
| 179 | BV | L/K/D | 299 | 200 | 02:36 |
| 180 | BV | BEDROOM | 289 | 100 | 05:40 |
| 181 | BW | BEDROOM | 287 | 100 | 05:55 |
| 182 | BW | L/K/D | 257 | 200 | 04:27 |
| 183 | BW | BEDROOM | 174 | 100 | 03:25 |
| 184 | BX | L/K/D | 85 | 200 | 01:33 |
| 185 | BX | BEDROOM | 166 | 100 | 03:17 |
| 186 | BY | BEDROOM | 197 | 100 | 04:27 |
| 187 | BY | L/K/D | 103 | 200 | 03:16 |
| 188 | BR | BEDROOM | 188 | 100 | 04:52 |
| 189 | BR | L/K/D | 171 | 200 | 05:03 |
| 190 | BQ | L/K/D | 130 | 200 | 02:55 |
| 191 | BQ | BEDROOM | 193 | 100 | 04:13 |
| 192 | BZ | L/K/D | 107 | 200 | 02:24 |
| 193 | BZ | BEDROOM | 99 | 100 | 03:02 |
| 194 | CA | L/K/D | 70 | 200 | 01:34 |
| 195 | CA | BEDROOM | 113 | 100 | 02:50 |
| 196 | CB | BEDROOM | 114 | 100 | 02:49 |
| 197 | CB | L/K/D | 68 | 200 | 01:31 |
| 198 | CC | BEDROOM | 101 | 100 | 02:47 |
| 199 | CC | L/K/D | 210 | 200 | 03:08 |
| 200 | CC | BEDROOM | 118 | 100 | 00:00 |
| 201 | CD | BEDROOM | 265 | 100 | 00:00 |
| 202 | CD | L/K/D | 195 | 200 | 00:00 |
| 203 | CD | BEDROOM | 104 | 100 | 00:00 |

Table 06: Assessment Data


Fig. 13: Floor Plan

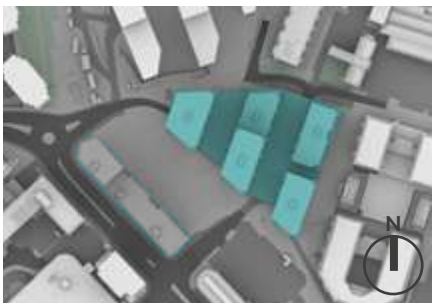


## Block D - Level 03 - part 01/02

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKD - LEVEL 03 | | | | | |
| 204 | CE | BEDROOM | 73 | 100 | 00:00 |
| 205 | CE | BEDROOM | 51 | 100 | 00:00 |
| 206 | CE | L/K/D | 111 | 200 | 00:28 |
| 207 | CF | L/K/D | 74 | 200 | 00:21 |
| 208 | CF | BEDROOM | 93 | 100 | 00:25 |
| 209 | CG | BEDROOM | 103 | 100 | 00:25 |
| 210 | CG | L/K/D | 105 | 200 | 00:23 |
| 211 | CH | L/K/D | 175 | 200 | 01:12 |
| 212 | CH | BEDROOM | 101 | 100 | 03:49 |
| 213 | CH | BEDROOM | 160 | 100 | 03:51 |
| 214 | CI | BEDROOM | 124 | 100 | 03:47 |
| 215 | CI | BEDROOM | 120 | 100 | 03:49 |
| 216 | CI | L/K/D | 181 | 200 | 02:07 |
| 217 | CI | BEDROOM | 111 | 100 | 00:46 |
| 218 | CJ | L/K/D | 76 | 200 | 00:00 |
| 219 | CJ | BEDROOM | 93 | 100 | 00:00 |
| 220 | CJ | BEDROOM | 79 | 100 | 00:08 |
| 221 | CK | BEDROOM | 80 | 100 | 00:01 |
| 222 | CK | BEDROOM | 95 | 100 | 00:00 |
| 223 | CK | L/K/D | 72 | 200 | 00:00 |
| 224 | CL | BEDROOM | 99 | 100 | 00:00 |
| 225 | CL | L/K/D | 146 | 200 | 00:00 |
| 226 | CL | BEDROOM | 68 | 100 | 00:00 |
| 227 | CL | BEDROOM | 63 | 100 | 00:00 |
| 228 | CM | L/K/D | 109 | 200 | 00:22 |
| 229 | CM | BEDROOM | 99 | 100 | 00:00 |
| 230 | CN | L/K/D | 56 | 200 | 00:00 |
| 231 | CN | BEDROOM | 45 | 100 | 00:00 |
| 232 | CN | BEDROOM | 49 | 100 | 01:17 |
| 233 | CO | BEDROOM | 49 | 100 | 00:00 |
| 234 | CO | BEDROOM | 43 | 100 | 00:23 |
| 235 | CO | L/K/D | 38 | 200 | 00:59 |
| 236 | CP | L/K/D | 69 | 200 | 01:56 |
| 237 | CP | BEDROOM | 107 | 100 | 01:12 |
| 238 | CQ | BEDROOM | 134 | 100 | 00:20 |
| 239 | CQ | L/K/D | 74 | 200 | 01:32 |
| 240 | CR | L/K/D | 258 | 200 | 01:43 |
| 241 | CR | BEDROOM | 267 | 100 | 04:21 |
| 242 | CS | BEDROOM | 268 | 100 | 04:23 |
| 243 | CS | L/K/D | 284 | 200 | 02:20 |
| 244 | CS | BEDROOM | 157 | 100 | 00:56 |
| 245 | CT | L/K/D | 81 | 200 | 00:00 |
| 246 | CT | BEDROOM | 140 | 100 | 00:32 |
| 247 | CU | BEDROOM | 153 | 100 | 00:57 |
| 248 | CU | L/K/D | 92 | 200 | 00:42 |
| 249 | CV | L/K/D | 53 | 200 | 01:01 |
| 250 | CV | BEDROOM | 53 | 100 | 00:25 |

Table 07: Assessment Data


Fig. 14: Floor Plan

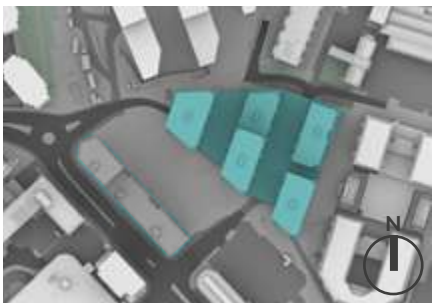


## Block D - Level 03 - part 02/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | | | BY ROOM |
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | 21 MAR |
| 260 | CZ | BEDROOM | 176 | 100 | 00:00 |
| 261 | CZ | BEDROOM | 91 | 100 | 00:00 |
| 262 | CZ | L/K/D | 163 | 200 | 00:00 |
| 263 | DA | L/K/D | 77 | 200 | 00:00 |
| 264 | DA | BEDROOM | 121 | 100 | 00:00 |
| 265 | DB | BEDROOM | 116 | 100 | 00:00 |
| 266 | DB | L/K/D | 70 | 200 | 00:10 |
| 267 | DC | BEDROOM | 82 | 100 | 00:00 |
| 268 | DC | L/K/D | 64 | 200 | 00:25 |
| 269 | DD | BEDROOM | 99 | 100 | 00:00 |
| 270 | DD | L/K/D | 111 | 200 | 01:08 |
| 271 | DE | BEDROOM | 98 | 100 | 00:09 |
| 272 | DD | BEDROOM | 95 | 100 | 00:00 |
| 273 | DF | BEDROOM | 69 | 100 | 00:00 |
| 274 | DG | BEDROOM | 96 | 100 | 00:00 |
| 275 | DG | L/K/D | 127 | 200 | 00:57 |
| 276 | DG | BEDROOM | 108 | 100 | 01:10 |
| 277 | DH | L/K/D | 96 | 200 | 02:03 |
| 278 | DH | BEDROOM | 158 | 100 | 01:19 |
| 279 | DI | BEDROOM | 173 | 100 | 00:49 |
| 280 | DI | L/K/D | 106 | 200 | 01:55 |
| 281 | DJ | L/K/D | 324 | 200 | 02:36 |
| 282 | DJ | BEDROOM | 306 | 100 | 05:40 |
| 283 | DK | BEDROOM | 303 | 100 | 05:55 |
| 284 | DK | L/K/D | 307 | 200 | 04:27 |
| 285 | DK | BEDROOM | 229 | 100 | 03:25 |
| 286 | DL | L/K/D | 100 | 200 | 01:33 |
| 287 | DL | BEDROOM | 203 | 100 | 03:17 |
| 288 | DM | BEDROOM | 231 | 100 | 04:27 |
| 289 | DM | L/K/D | 122 | 200 | 03:16 |
| 290 | DF | BEDROOM | 217 | 100 | 04:52 |
| 291 | DF | L/K/D | 205 | 200 | 05:03 |
| 292 | DE | L/K/D | 150 | 200 | 02:55 |
| 293 | DE | BEDROOM | 212 | 100 | 04:13 |
| 294 | DN | L/K/D | 123 | 200 | 02:24 |
| 295 | DN | BEDROOM | 128 | 100 | 03:02 |
| 296 | DO | L/K/D | 86 | 200 | 01:34 |
| 297 | DO | BEDROOM | 152 | 100 | 02:50 |
| 298 | DP | BEDROOM | 156 | 100 | 02:49 |
| 299 | DP | L/K/D | 82 | 200 | 01:31 |
| 300 | DQ | BEDROOM | 144 | 100 | 02:47 |
| 301 | DQ | L/K/D | 236 | 200 | 03:08 |
| 302 | DQ | BEDROOM | 132 | 100 | 00:00 |
| 303 | DR | BEDROOM | 293 | 100 | 00:00 |
| 304 | DR | L/K/D | 216 | 200 | 00:00 |
| 305 | DR | BEDROOM | 110 | 100 | 00:00 |

Table 08: Assessment Data


Fig. 15: Floor Plan

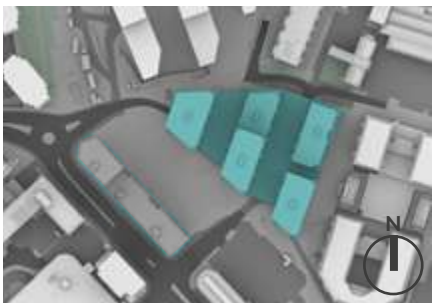


## Block D - Level 04 - part 01/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | | | BY ROOM |
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | 21 MAR |
| BLOCKD - LEVEL 04 | | | | | |
| 306 | DS | BEDROOM | 76 | 100 | 00:00 |
| 307 | DS | BEDROOM | 54 | 100 | 00:00 |
| 308 | DS | L/K/D | 116 | 200 | 00:28 |
| 309 | DT | L/K/D | 78 | 200 | 00:21 |
| 310 | DT | BEDROOM | 99 | 100 | 00:25 |
| 311 | DU | BEDROOM | 109 | 100 | 00:25 |
| 312 | DU | L/K/D | 110 | 200 | 00:23 |
| 313 | DV | L/K/D | 187 | 200 | 01:12 |
| 314 | DV | BEDROOM | 118 | 100 | 03:49 |
| 315 | DV | BEDROOM | 178 | 100 | 03:51 |
| 316 | DW | BEDROOM | 140 | 100 | 03:47 |
| 317 | DW | BEDROOM | 136 | 100 | 03:49 |
| 318 | DW | L/K/D | 193 | 200 | 02:07 |
| 319 | DW | BEDROOM | 115 | 100 | 00:46 |
| 320 | DX | L/K/D | 79 | 200 | 00:00 |
| 321 | DX | BEDROOM | 101 | 100 | 00:00 |
| 322 | DX | BEDROOM | 82 | 100 | 00:08 |
| 323 | DY | BEDROOM | 84 | 100 | 00:01 |
| 324 | DY | BEDROOM | 102 | 100 | 00:00 |
| 325 | DY | L/K/D | 76 | 200 | 00:00 |
| 326 | DZ | BEDROOM | 106 | 100 | 00:00 |
| 327 | DZ | L/K/D | 157 | 200 | 00:00 |
| 328 | DZ | BEDROOM | 71 | 100 | 00:00 |
| 329 | DZ | BEDROOM | 68 | 100 | 00:00 |
| 330 | EA | L/K/D | 115 | 200 | 00:22 |
| 331 | EA | BEDROOM | 104 | 100 | 00:00 |
| 332 | EB | L/K/D | 59 | 200 | 00:00 |
| 333 | EB | BEDROOM | 48 | 100 | 00:00 |
| 334 | EB | BEDROOM | 53 | 100 | 01:17 |
| 335 | EC | BEDROOM | 52 | 100 | 00:00 |
| 336 | EC | BEDROOM | 46 | 100 | 00:23 |
| 337 | EC | L/K/D | 41 | 200 | 00:59 |
| 338 | ED | L/K/D | 75 | 200 | 01:56 |
| 339 | ED | BEDROOM | 113 | 100 | 01:12 |
| 340 | EE | BEDROOM | 139 | 100 | 00:20 |
| 341 | EE | L/K/D | 79 | 200 | 01:32 |
| 342 | EF | L/K/D | 279 | 200 | 01:43 |
| 343 | EF | BEDROOM | 286 | 100 | 04:21 |
| 344 | EG | BEDROOM | 284 | 100 | 04:23 |
| 345 | EG | L/K/D | 298 | 200 | 02:20 |
| 346 | EG | BEDROOM | 168 | 100 | 00:56 |
| 347 | EH | L/K/D | 88 | 200 | 00:00 |
| 348 | EH | BEDROOM | 149 | 100 | 00:32 |
| 349 | EI | BEDROOM | 165 | 100 | 00:57 |
| 350 | EI | L/K/D | 97 | 200 | 00:42 |
| 351 | EJ | L/K/D | 55 | 200 | 01:01 |
| 352 | EJ | BEDROOM | 57 | 100 | 00:25 |

Table 09: Assessment Data


Fig. 16: Floor Plan

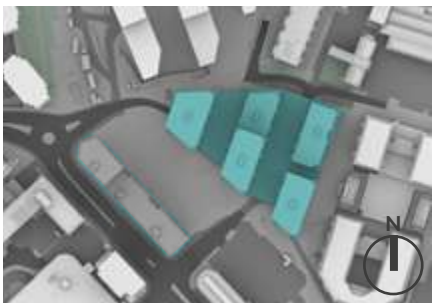


## Block D - Level 04 - part 02/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | | | BY ROOM |
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | 21 MAR |
| 362 | EN | BEDROOM | 188 | 100 | 00:00 |
| 363 | EN | BEDROOM | 97 | 100 | 00:00 |
| 364 | EN | L/K/D | 176 | 200 | 00:00 |
| 365 | EO | L/K/D | 84 | 200 | 00:00 |
| 366 | EO | BEDROOM | 134 | 100 | 00:00 |
| 367 | EP | BEDROOM | 128 | 100 | 00:00 |
| 368 | EP | L/K/D | 76 | 200 | 00:10 |
| 369 | EQ | BEDROOM | 90 | 100 | 00:00 |
| 370 | EQ | L/K/D | 69 | 200 | 00:25 |
| 371 | ER | BEDROOM | 109 | 100 | 00:00 |
| 372 | ER | L/K/D | 116 | 200 | 01:08 |
| 373 | ES | BEDROOM | 109 | 100 | 00:09 |
| 374 | ER | BEDROOM | 107 | 100 | 00:00 |
| 375 | ET | BEDROOM | 78 | 100 | 00:00 |
| 376 | EU | BEDROOM | 108 | 100 | 00:00 |
| 377 | EU | L/K/D | 135 | 200 | 00:57 |
| 378 | EU | BEDROOM | 113 | 100 | 01:10 |
| 379 | EV | L/K/D | 102 | 200 | 02:03 |
| 380 | EV | BEDROOM | 167 | 100 | 01:19 |
| 381 | EW | BEDROOM | 185 | 100 | 00:49 |
| 382 | EW | L/K/D | 115 | 200 | 01:55 |
| 383 | EX | L/K/D | 351 | 200 | 02:36 |
| 384 | EX | BEDROOM | 327 | 100 | 05:40 |
| 385 | EY | BEDROOM | 322 | 100 | 05:55 |
| 386 | EY | L/K/D | 367 | 200 | 04:27 |
| 387 | EY | BEDROOM | 287 | 100 | 03:25 |
| 388 | EZ | L/K/D | 131 | 200 | 01:33 |
| 389 | EZ | BEDROOM | 244 | 100 | 03:17 |
| 390 | FA | BEDROOM | 266 | 100 | 04:27 |
| 391 | FA | L/K/D | 150 | 200 | 03:16 |
| 392 | ET | BEDROOM | 247 | 100 | 04:52 |
| 393 | ET | L/K/D | 235 | 200 | 05:03 |
| 394 | ES | L/K/D | 170 | 200 | 02:55 |
| 395 | ES | BEDROOM | 235 | 100 | 04:13 |
| 396 | FB | L/K/D | 149 | 200 | 02:24 |
| 397 | FB | BEDROOM | 162 | 100 | 03:02 |
| 398 | FC | L/K/D | 117 | 200 | 01:34 |
| 399 | FC | BEDROOM | 197 | 100 | 02:50 |
| 400 | FD | BEDROOM | 200 | 100 | 02:49 |
| 401 | FD | L/K/D | 115 | 200 | 01:31 |
| 402 | FE | BEDROOM | 194 | 100 | 02:47 |
| 403 | FE | L/K/D | 272 | 200 | 03:08 |
| 404 | FE | BEDROOM | 142 | 100 | 00:00 |
| 405 | FF | BEDROOM | 309 | 100 | 00:00 |
| 406 | FF | L/K/D | 234 | 200 | 00:00 |
| 407 | FF | BEDROOM | 120 | 100 | 00:00 |

Table 10: Assessment Data


Fig. 17: Floor Plan

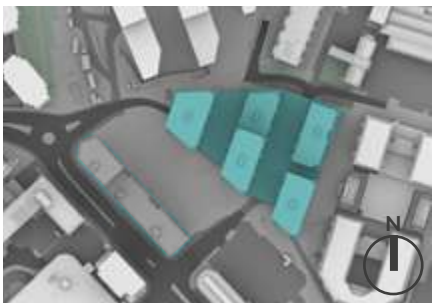


## Block D - Level 05 - part 01/02

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKD - LEVEL 05 | | | | | |
| 408 | FG | BEDROOM | 82 | 100 | 00:00 |
| 409 | FG | BEDROOM | 56 | 100 | 00:00 |
| 410 | FG | L/K/D | 122 | 200 | 00:28 |
| 411 | FH | L/K/D | 83 | 200 | 00:21 |
| 412 | FH | BEDROOM | 107 | 100 | 00:25 |
| 413 | FI | BEDROOM | 115 | 100 | 00:25 |
| 414 | FI | L/K/D | 116 | 200 | 00:23 |
| 415 | FJ | L/K/D | 209 | 200 | 01:12 |
| 416 | FJ | BEDROOM | 133 | 100 | 03:49 |
| 417 | FJ | BEDROOM | 202 | 100 | 03:51 |
| 418 | FK | BEDROOM | 155 | 100 | 03:47 |
| 419 | FK | BEDROOM | 147 | 100 | 03:49 |
| 420 | FK | L/K/D | 206 | 200 | 02:07 |
| 421 | FK | BEDROOM | 122 | 100 | 00:46 |
| 422 | FL | L/K/D | 85 | 200 | 00:00 |
| 423 | FL | BEDROOM | 113 | 100 | 00:00 |
| 424 | FL | BEDROOM | 93 | 100 | 00:08 |
| 425 | FM | BEDROOM | 93 | 100 | 00:01 |
| 426 | FM | BEDROOM | 120 | 100 | 00:00 |
| 427 | FM | L/K/D | 83 | 200 | 00:00 |
| 428 | FN | BEDROOM | 121 | 100 | 00:00 |
| 429 | FN | L/K/D | 169 | 200 | 00:00 |
| 430 | FN | BEDROOM | 75 | 100 | 00:00 |
| 431 | FN | BEDROOM | 72 | 100 | 00:00 |
| 432 | FO | L/K/D | 122 | 200 | 00:22 |
| 433 | FO | BEDROOM | 110 | 100 | 00:00 |
| 434 | FP | L/K/D | 64 | 200 | 00:00 |
| 435 | FP | BEDROOM | 51 | 100 | 00:00 |
| 436 | FP | BEDROOM | 54 | 100 | 01:17 |
| 437 | FQ | BEDROOM | 55 | 100 | 00:00 |
| 438 | FQ | BEDROOM | 50 | 100 | 00:23 |
| 439 | FQ | L/K/D | 44 | 200 | 00:59 |
| 440 | FR | L/K/D | 81 | 200 | 01:56 |
| 441 | FR | BEDROOM | 120 | 100 | 01:12 |
| 442 | FS | BEDROOM | 148 | 100 | 00:20 |
| 443 | FS | L/K/D | 85 | 200 | 01:32 |
| 444 | FT | L/K/D | 304 | 200 | 01:43 |
| 445 | FT | BEDROOM | 304 | 100 | 04:21 |
| 446 | FU | BEDROOM | 300 | 100 | 04:23 |
| 447 | FU | L/K/D | 316 | 200 | 02:20 |
| 448 | FU | BEDROOM | 174 | 100 | 00:56 |
| 449 | FV | L/K/D | 94 | 200 | 00:00 |
| 450 | FV | BEDROOM | 163 | 100 | 00:32 |
| 451 | FW | BEDROOM | 177 | 100 | 00:57 |
| 452 | FW | L/K/D | 104 | 200 | 00:42 |
| 453 | FX | L/K/D | 61 | 200 | 01:01 |
| 454 | FX | BEDROOM | 61 | 100 | 00:25 |

Table 11: Assessment Data


Fig. 18: Floor Plan

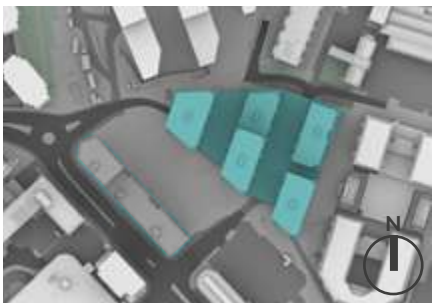


## Block D - Level 05 - part 02/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | | | BY ROOM |
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | 21 MAR |
| 464 | GB | BEDROOM | 201 | 100 | 00:00 |
| 465 | GB | BEDROOM | 103 | 100 | 00:00 |
| 466 | GB | L/K/D | 191 | 200 | 00:00 |
| 467 | GC | L/K/D | 93 | 200 | 00:00 |
| 468 | GC | BEDROOM | 149 | 100 | 00:00 |
| 469 | GD | BEDROOM | 145 | 100 | 00:00 |
| 470 | GD | L/K/D | 86 | 200 | 00:10 |
| 471 | GE | BEDROOM | 101 | 100 | 00:00 |
| 472 | GE | L/K/D | 75 | 200 | 00:25 |
| 473 | GF | BEDROOM | 122 | 100 | 00:00 |
| 474 | GF | L/K/D | 125 | 200 | 01:08 |
| 475 | GG | BEDROOM | 124 | 100 | 00:09 |
| 476 | GF | BEDROOM | 120 | 100 | 00:00 |
| 477 | GH | BEDROOM | 90 | 100 | 00:00 |
| 478 | GI | BEDROOM | 123 | 100 | 00:00 |
| 479 | GI | L/K/D | 147 | 200 | 00:57 |
| 480 | GI | BEDROOM | 121 | 100 | 01:10 |
| 481 | GJ | L/K/D | 109 | 200 | 02:03 |
| 482 | GJ | BEDROOM | 177 | 100 | 01:19 |
| 483 | GK | BEDROOM | 198 | 100 | 00:49 |
| 484 | GK | L/K/D | 124 | 200 | 01:55 |
| 485 | GL | L/K/D | 375 | 200 | 02:36 |
| 486 | GL | BEDROOM | 341 | 100 | 05:40 |
| 487 | GM | BEDROOM | 344 | 100 | 05:55 |
| 488 | GM | L/K/D | 426 | 200 | 04:27 |
| 489 | GM | BEDROOM | 344 | 100 | 03:25 |
| 490 | GN | L/K/D | 171 | 200 | 01:33 |
| 491 | GN | BEDROOM | 284 | 100 | 03:17 |
| 492 | GO | BEDROOM | 299 | 100 | 04:27 |
| 493 | GO | L/K/D | 182 | 200 | 03:16 |
| 494 | GH | BEDROOM | 276 | 100 | 04:52 |
| 495 | GH | L/K/D | 266 | 200 | 05:03 |
| 496 | GG | L/K/D | 192 | 200 | 02:55 |
| 497 | GG | BEDROOM | 262 | 100 | 04:13 |
| 498 | GP | L/K/D | 182 | 200 | 02:24 |
| 499 | GP | BEDROOM | 194 | 100 | 03:02 |
| 500 | GQ | L/K/D | 163 | 200 | 01:34 |
| 501 | GQ | BEDROOM | 245 | 100 | 02:50 |
| 502 | GR | BEDROOM | 248 | 100 | 02:49 |
| 503 | GR | L/K/D | 166 | 200 | 01:31 |
| 504 | GS | BEDROOM | 245 | 100 | 02:47 |
| 505 | GS | L/K/D | 311 | 200 | 03:08 |
| 506 | GS | BEDROOM | 150 | 100 | 00:00 |
| 507 | GT | BEDROOM | 322 | 100 | 00:00 |
| 508 | GT | L/K/D | 253 | 200 | 00:00 |
| 509 | GT | BEDROOM | 136 | 100 | 00:00 |

Table 12: Assessment Data


Fig. 19: Floor Plan

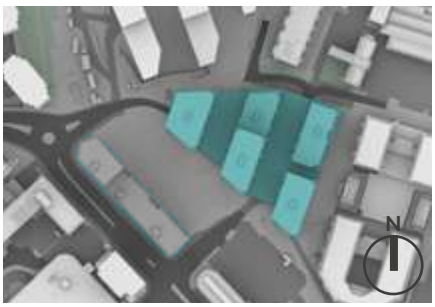


## Block D - Level 06 - part 01/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | | | BY ROOM |
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | 21 MAR |
| BLOCKD - LEVEL 06 | | | | | |
| 510 | GU | BEDROOM | 87 | 100 | 00:00 |
| 511 | GU | BEDROOM | 61 | 100 | 00:00 |
| 512 | GU | L/K/D | 130 | 200 | 00:28 |
| 513 | GV | L/K/D | 90 | 200 | 00:21 |
| 514 | GV | BEDROOM | 112 | 100 | 00:25 |
| 515 | GW | BEDROOM | 121 | 100 | 00:25 |
| 516 | GW | L/K/D | 122 | 200 | 00:23 |
| 517 | GX | L/K/D | 237 | 200 | 01:12 |
| 518 | GX | BEDROOM | 150 | 100 | 03:49 |
| 519 | GX | BEDROOM | 222 | 100 | 03:51 |
| 520 | GY | BEDROOM | 174 | 100 | 03:47 |
| 521 | GY | BEDROOM | 161 | 100 | 03:49 |
| 522 | GY | L/K/D | 223 | 200 | 02:07 |
| 523 | GY | BEDROOM | 134 | 100 | 00:46 |
| 524 | GZ | L/K/D | 92 | 200 | 00:00 |
| 525 | GZ | BEDROOM | 130 | 100 | 00:00 |
| 526 | GZ | BEDROOM | 112 | 100 | 00:08 |
| 527 | HA | BEDROOM | 111 | 100 | 00:01 |
| 528 | HA | BEDROOM | 142 | 100 | 00:00 |
| 529 | HA | L/K/D | 93 | 200 | 00:00 |
| 530 | HB | BEDROOM | 146 | 100 | 00:00 |
| 531 | HB | L/K/D | 185 | 200 | 00:00 |
| 532 | HB | BEDROOM | 80 | 100 | 00:00 |
| 533 | HB | BEDROOM | 77 | 100 | 00:00 |
| 534 | HC | L/K/D | 132 | 200 | 00:22 |
| 535 | HC | BEDROOM | 120 | 100 | 00:00 |
| 536 | HD | L/K/D | 70 | 200 | 00:00 |
| 537 | HD | BEDROOM | 56 | 100 | 00:00 |
| 538 | HD | BEDROOM | 59 | 100 | 01:17 |
| 539 | HE | BEDROOM | 59 | 100 | 00:00 |
| 540 | HE | BEDROOM | 55 | 100 | 00:23 |
| 541 | HE | L/K/D | 49 | 200 | 00:59 |
| 542 | HF | L/K/D | 90 | 200 | 01:56 |
| 543 | HF | BEDROOM | 130 | 100 | 01:12 |
| 544 | HG | BEDROOM | 160 | 100 | 00:20 |
| 545 | HG | L/K/D | 93 | 200 | 01:32 |
| 546 | HH | L/K/D | 332 | 200 | 01:43 |
| 547 | HH | BEDROOM | 326 | 100 | 04:21 |
| 548 | HI | BEDROOM | 315 | 100 | 04:23 |
| 549 | HI | L/K/D | 331 | 200 | 02:20 |
| 550 | HI | BEDROOM | 192 | 100 | 00:56 |
| 551 | HJ | L/K/D | 106 | 200 | 00:00 |
| 552 | HJ | BEDROOM | 178 | 100 | 00:32 |
| 553 | HK | BEDROOM | 198 | 100 | 00:57 |
| 554 | HK | L/K/D | 115 | 200 | 00:42 |
| 555 | HL | L/K/D | 68 | 200 | 01:01 |
| 556 | HL | BEDROOM | 70 | 100 | 00:25 |

Table 13: Assessment Data


Fig. 20: Floor Plan

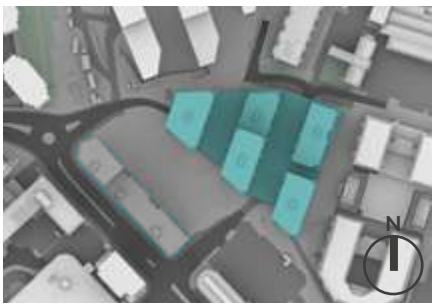


## Block D - Level 06 - part 02/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | | | BY ROOM |
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | 21 MAR |
| 566 | HP | BEDROOM | 212 | 100 | 00:00 |
| 567 | HP | BEDROOM | 109 | 100 | 00:00 |
| 568 | HP | L/K/D | 204 | 200 | 00:00 |
| 569 | HQ | L/K/D | 105 | 200 | 00:00 |
| 570 | HQ | BEDROOM | 177 | 100 | 00:00 |
| 571 | HR | BEDROOM | 166 | 100 | 00:00 |
| 572 | HR | L/K/D | 98 | 200 | 00:10 |
| 573 | HS | BEDROOM | 120 | 100 | 00:00 |
| 574 | HS | L/K/D | 86 | 200 | 00:25 |
| 575 | HT | BEDROOM | 140 | 100 | 00:00 |
| 576 | HT | L/K/D | 135 | 200 | 01:08 |
| 577 | HU | BEDROOM | 143 | 100 | 00:09 |
| 578 | HT | BEDROOM | 138 | 100 | 00:00 |
| 579 | HV | BEDROOM | 109 | 100 | 00:00 |
| 580 | HW | BEDROOM | 142 | 100 | 00:00 |
| 581 | HW | L/K/D | 163 | 200 | 00:57 |
| 582 | HW | BEDROOM | 129 | 100 | 01:10 |
| 583 | HX | L/K/D | 118 | 200 | 02:03 |
| 584 | HX | BEDROOM | 189 | 100 | 01:19 |
| 585 | HY | BEDROOM | 211 | 100 | 00:49 |
| 586 | HY | L/K/D | 132 | 200 | 01:55 |
| 587 | HZ | L/K/D | 399 | 200 | 02:36 |
| 588 | HZ | BEDROOM | 358 | 100 | 05:40 |
| 589 | IA | BEDROOM | 359 | 100 | 05:55 |
| 590 | IA | L/K/D | 474 | 200 | 04:27 |
| 591 | IA | BEDROOM | 390 | 100 | 03:25 |
| 592 | IB | L/K/D | 204 | 200 | 01:33 |
| 593 | IB | BEDROOM | 321 | 100 | 03:17 |
| 594 | IC | BEDROOM | 332 | 100 | 04:27 |
| 595 | IC | L/K/D | 207 | 200 | 03:16 |
| 596 | HV | BEDROOM | 303 | 100 | 04:52 |
| 597 | HV | L/K/D | 292 | 200 | 05:03 |
| 598 | HU | L/K/D | 217 | 200 | 02:55 |
| 599 | HU | BEDROOM | 286 | 100 | 04:13 |
| 600 | ID | L/K/D | 211 | 200 | 02:24 |
| 601 | ID | BEDROOM | 224 | 100 | 03:02 |
| 602 | IE | L/K/D | 198 | 200 | 01:34 |
| 603 | IE | BEDROOM | 293 | 100 | 02:50 |
| 604 | IF | BEDROOM | 297 | 100 | 02:49 |
| 605 | IF | L/K/D | 210 | 200 | 01:31 |
| 606 | IG | BEDROOM | 284 | 100 | 02:47 |
| 607 | IG | L/K/D | 341 | 200 | 03:08 |
| 608 | IG | BEDROOM | 157 | 100 | 00:00 |
| 609 | IH | BEDROOM | 336 | 100 | 00:00 |
| 610 | IH | L/K/D | 271 | 200 | 00:00 |
| 611 | IH | BEDROOM | 154 | 100 | 00:00 |

Table 14: Assessment Data


Fig. 21: Floor Plan

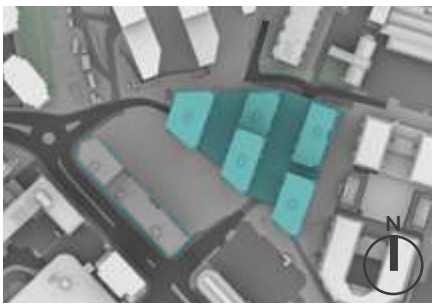


## Block D - Level 07 - part 01/02

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKD - LEVEL 07 | | | | | |
| 612 | II | BEDROOM | 95 | 100 | 00:00 |
| 613 | II | BEDROOM | 65 | 100 | 00:00 |
| 614 | II | L/K/D | 138 | 200 | 00:28 |
| 615 | IJ | L/K/D | 95 | 200 | 00:21 |
| 616 | IJ | BEDROOM | 121 | 100 | 00:25 |
| 617 | IK | BEDROOM | 129 | 100 | 00:25 |
| 618 | IK | L/K/D | 130 | 200 | 00:23 |
| 619 | IL | L/K/D | 265 | 200 | 01:12 |
| 620 | IL | BEDROOM | 167 | 100 | 03:49 |
| 621 | IL | BEDROOM | 242 | 100 | 03:51 |
| 622 | IM | BEDROOM | 192 | 100 | 03:47 |
| 623 | IM | BEDROOM | 176 | 100 | 03:49 |
| 624 | IM | L/K/D | 243 | 200 | 02:07 |
| 625 | IM | BEDROOM | 149 | 100 | 00:46 |
| 626 | IN | L/K/D | 110 | 200 | 00:00 |
| 627 | IN | BEDROOM | 150 | 100 | 00:00 |
| 628 | IN | BEDROOM | 130 | 100 | 00:08 |
| 629 | IO | BEDROOM | 132 | 100 | 00:01 |
| 630 | IO | BEDROOM | 173 | 100 | 00:00 |
| 631 | IO | L/K/D | 120 | 200 | 00:00 |
| 632 | IP | BEDROOM | 180 | 100 | 00:00 |
| 633 | IP | L/K/D | 208 | 200 | 00:00 |
| 634 | IP | BEDROOM | 85 | 100 | 00:00 |
| 635 | IP | BEDROOM | 82 | 100 | 00:00 |
| 636 | IQ | L/K/D | 181 | 200 | 00:22 |
| 637 | IQ | BEDROOM | 132 | 100 | 00:00 |
| 638 | IR | L/K/D | 91 | 200 | 00:00 |
| 639 | IR | BEDROOM | 74 | 100 | 00:00 |
| 640 | IR | BEDROOM | 64 | 100 | 01:17 |
| 641 | IS | BEDROOM | 64 | 100 | 00:00 |
| 642 | IS | BEDROOM | 60 | 100 | 00:23 |
| 643 | IS | L/K/D | 54 | 200 | 00:59 |
| 644 | IT | L/K/D | 99 | 200 | 01:56 |
| 645 | IT | BEDROOM | 140 | 100 | 01:12 |
| 646 | IU | BEDROOM | 173 | 100 | 00:20 |
| 647 | IU | L/K/D | 103 | 200 | 01:32 |
| 648 | IV | L/K/D | 361 | 200 | 01:43 |
| 649 | IV | BEDROOM | 347 | 100 | 04:21 |
| 650 | IW | BEDROOM | 334 | 100 | 04:23 |
| 651 | IW | L/K/D | 348 | 200 | 02:20 |
| 652 | IW | BEDROOM | 207 | 100 | 00:56 |
| 653 | IX | L/K/D | 121 | 200 | 00:00 |
| 654 | IX | BEDROOM | 195 | 100 | 00:32 |
| 655 | IY | BEDROOM | 217 | 100 | 00:57 |
| 656 | IY | L/K/D | 133 | 200 | 00:42 |
| 657 | IZ | L/K/D | 78 | 200 | 01:01 |
| 658 | IZ | BEDROOM | 85 | 100 | 00:25 |

Table 15: Assessment Data


Fig. 22: Floor Plan

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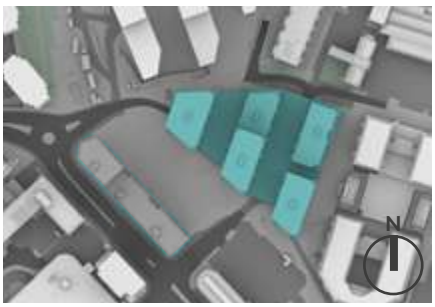
## Block D - Level 07 - part 02/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | | | BY ROOM |
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | 21 MAR |
| 668 | JD | BEDROOM | 224 | 100 | 00:00 |
| 669 | JD | BEDROOM | 115 | 100 | 00:00 |
| 670 | JD | L/K/D | 284 | 200 | 00:00 |
| 671 | JE | L/K/D | 155 | 200 | 00:00 |
| 672 | JE | BEDROOM | 207 | 100 | 00:00 |
| 673 | JF | BEDROOM | 195 | 100 | 00:00 |
| 674 | JF | L/K/D | 149 | 200 | 00:10 |
| 675 | JG | BEDROOM | 146 | 100 | 00:00 |
| 676 | JG | L/K/D | 125 | 200 | 00:25 |
| 677 | JH | BEDROOM | 166 | 100 | 00:00 |
| 678 | JH | L/K/D | 167 | 200 | 01:08 |
| 679 | JI | BEDROOM | 168 | 100 | 00:09 |
| 680 | JH | BEDROOM | 161 | 100 | 00:00 |
| 681 | JJ | BEDROOM | 134 | 100 | 00:00 |
| 682 | JK | BEDROOM | 160 | 100 | 00:00 |
| 683 | JK | L/K/D | 179 | 200 | 00:57 |
| 684 | JK | BEDROOM | 140 | 100 | 01:10 |
| 685 | JL | L/K/D | 129 | 200 | 02:03 |
| 686 | JL | BEDROOM | 201 | 100 | 01:19 |
| 687 | JM | BEDROOM | 226 | 100 | 00:49 |
| 688 | JM | L/K/D | 141 | 200 | 01:55 |
| 689 | JN | L/K/D | 416 | 200 | 02:36 |
| 690 | JN | BEDROOM | 369 | 100 | 05:40 |
| 691 | JO | BEDROOM | 374 | 100 | 05:55 |
| 692 | JO | L/K/D | 505 | 200 | 04:27 |
| 693 | JO | BEDROOM | 413 | 100 | 03:25 |
| 694 | JP | L/K/D | 226 | 200 | 01:33 |
| 695 | JP | BEDROOM | 342 | 100 | 03:17 |
| 696 | JQ | BEDROOM | 351 | 100 | 04:27 |
| 697 | JQ | L/K/D | 223 | 200 | 03:16 |
| 698 | JJ | BEDROOM | 322 | 100 | 04:52 |
| 699 | JJ | L/K/D | 315 | 200 | 05:03 |
| 700 | JI | L/K/D | 312 | 200 | 02:55 |
| 701 | JI | BEDROOM | 303 | 100 | 04:13 |
| 702 | JR | L/K/D | 301 | 200 | 02:24 |
| 703 | JR | BEDROOM | 253 | 100 | 03:02 |
| 704 | JS | L/K/D | 293 | 200 | 01:34 |
| 705 | JS | BEDROOM | 322 | 100 | 02:50 |
| 706 | JT | BEDROOM | 325 | 100 | 02:49 |
| 707 | JT | L/K/D | 310 | 200 | 01:31 |
| 708 | JU | BEDROOM | 313 | 100 | 02:47 |
| 709 | JU | L/K/D | 440 | 200 | 03:08 |
| 710 | JU | BEDROOM | 162 | 100 | 00:00 |
| 711 | JV | BEDROOM | 349 | 100 | 00:00 |
| 712 | JV | L/K/D | 368 | 200 | 00:00 |
| 713 | JV | BEDROOM | 173 | 100 | 00:00 |

Table 16: Assessment Data


Fig. 23: Floor Plan

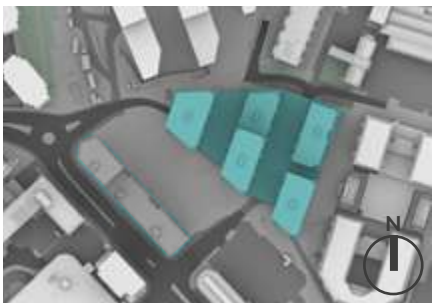


## Block D - Level 08 - part 01/02

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKD - LEVEL 08 | | | | | |
| 714 | JW | BEDROOM | 107 | 100 | 00:00 |
| 715 | JW | BEDROOM | 72 | 100 | 00:00 |
| 716 | JW | L/K/D | 148 | 200 | 01:16 |
| 717 | JX | L/K/D | 102 | 200 | 01:11 |
| 718 | JX | BEDROOM | 128 | 100 | 00:55 |
| 719 | JY | BEDROOM | 138 | 100 | 00:41 |
| 720 | JY | L/K/D | 138 | 200 | 00:23 |
| 721 | JZ | L/K/D | 291 | 200 | 01:12 |
| 722 | JZ | BEDROOM | 184 | 100 | 03:49 |
| 723 | JZ | BEDROOM | 268 | 100 | 04:04 |
| 724 | KA | BEDROOM | 185 | 100 | 04:20 |
| 725 | KA | BEDROOM | 193 | 100 | 04:35 |
| 726 | KA | L/K/D | 259 | 200 | 02:07 |
| 727 | KA | BEDROOM | 165 | 100 | 00:48 |
| 728 | KB | L/K/D | 107 | 200 | 00:00 |
| 729 | KB | BEDROOM | 162 | 100 | 00:00 |
| 730 | KB | BEDROOM | 149 | 100 | 00:19 |
| 731 | KC | BEDROOM | 153 | 100 | 00:35 |
| 732 | KC | BEDROOM | 197 | 100 | 00:50 |
| 733 | KC | L/K/D | 128 | 200 | 00:51 |
| 734 | KD | BEDROOM | 218 | 100 | 01:19 |
| 735 | KD | L/K/D | 235 | 200 | 02:00 |
| 736 | KD | BEDROOM | 92 | 100 | 00:00 |
| 737 | KD | BEDROOM | 81 | 100 | 00:00 |
| 738 | KE | L/K/D | 274 | 200 | 00:22 |
| 739 | KE | BEDROOM | 149 | 100 | 00:00 |
| 740 | KF | L/K/D | 147 | 200 | 00:53 |
| 741 | KF | BEDROOM | 103 | 100 | 00:00 |
| 742 | KF | BEDROOM | 57 | 100 | 01:05 |
| 743 | KG | BEDROOM | 71 | 100 | 00:00 |
| 744 | KG | BEDROOM | 67 | 100 | 00:23 |
| 745 | KG | L/K/D | 59 | 200 | 01:02 |
| 746 | KH | L/K/D | 109 | 200 | 02:18 |
| 747 | KH | BEDROOM | 149 | 100 | 01:52 |
| 748 | KI | BEDROOM | 182 | 100 | 01:19 |
| 749 | KI | L/K/D | 112 | 200 | 02:53 |
| 750 | KJ | L/K/D | 390 | 200 | 03:22 |
| 751 | KJ | BEDROOM | 367 | 100 | 06:08 |
| 752 | KK | BEDROOM | 348 | 100 | 06:11 |
| 753 | KK | L/K/D | 367 | 200 | 02:28 |
| 754 | KK | BEDROOM | 227 | 100 | 01:14 |
| 755 | KL | L/K/D | 136 | 200 | 00:00 |
| 756 | KL | BEDROOM | 215 | 100 | 01:42 |
| 757 | KM | BEDROOM | 243 | 100 | 02:13 |
| 758 | KM | L/K/D | 155 | 200 | 01:06 |
| 759 | KN | L/K/D | 101 | 200 | 02:51 |
| 760 | KN | BEDROOM | 106 | 100 | 02:04 |

Table 17: Assessment Data


Fig. 24: Floor Plan

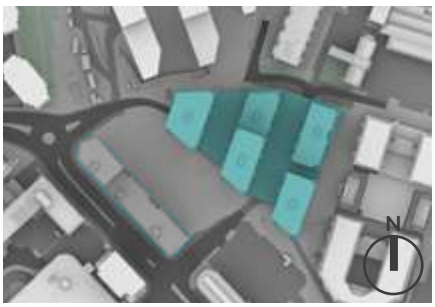


## Block D - Level 08 - part 02/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | | | BY ROOM |
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | 21 MAR |
| 770 | KR | L/K/D | 363 | 200 | 00:00 |
| 771 | KS | L/K/D | 237 | 200 | 00:28 |
| 772 | KS | BEDROOM | 213 | 100 | 00:00 |
| 773 | KT | BEDROOM | 204 | 100 | 00:00 |
| 774 | KT | L/K/D | 226 | 200 | 00:28 |
| 775 | KU | BEDROOM | 162 | 100 | 00:00 |
| 776 | KU | L/K/D | 194 | 200 | 00:34 |
| 777 | KV | BEDROOM | 188 | 100 | 00:00 |
| 778 | KV | L/K/D | 225 | 200 | 01:04 |
| 779 | KV | BEDROOM | 157 | 100 | 00:00 |
| 780 | KW | BEDROOM | 237 | 100 | 00:00 |
| 781 | KW | L/K/D | 207 | 200 | 00:57 |
| 782 | KW | BEDROOM | 151 | 100 | 01:24 |
| 783 | KX | L/K/D | 139 | 200 | 03:06 |
| 784 | KX | BEDROOM | 216 | 100 | 02:32 |
| 785 | KY | BEDROOM | 240 | 100 | 02:06 |
| 786 | KY | L/K/D | 150 | 200 | 03:02 |
| 787 | KZ | L/K/D | 436 | 200 | 03:25 |
| 788 | KZ | BEDROOM | 383 | 100 | 06:12 |
| 789 | LA | BEDROOM | 385 | 100 | 06:17 |
| 790 | LA | L/K/D | 519 | 200 | 06:25 |
| 791 | LA | BEDROOM | 432 | 100 | 05:27 |
| 792 | LB | L/K/D | 237 | 200 | 03:41 |
| 793 | LB | BEDROOM | 360 | 100 | 05:18 |
| 794 | LC | BEDROOM | 362 | 100 | 05:27 |
| 795 | LC | L/K/D | 229 | 200 | 03:41 |
| 796 | LD | BEDROOM | 333 | 100 | 05:16 |
| 797 | LD | L/K/D | 334 | 200 | 05:27 |
| 798 | LD | BEDROOM | 192 | 100 | 00:00 |
| 799 | LE | BEDROOM | 126 | 100 | 00:11 |
| 800 | LE | L/K/D | 414 | 200 | 05:39 |
| 801 | LE | BEDROOM | 302 | 100 | 04:39 |
| 802 | LF | BEDROOM | 282 | 100 | 04:41 |
| 803 | LF | L/K/D | 515 | 200 | 05:56 |
| 804 | LG | BEDROOM | 232 | 100 | 04:39 |
| 805 | LG | BEDROOM | 300 | 100 | 04:38 |
| 806 | LG | L/K/D | 612 | 200 | 04:55 |
| 807 | LH | L/K/D | 538 | 200 | 00:00 |
| 808 | LH | BEDROOM | 230 | 100 | 00:00 |

Table 18: Assessment Data


Fig. 25: Floor Plan

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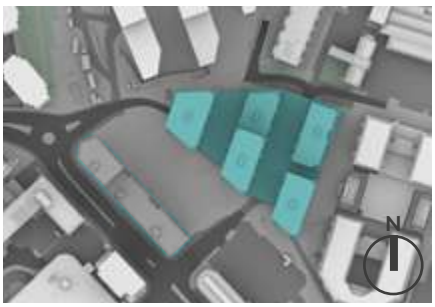
## Block D - Level 09 - part 01/02

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKD - LEVEL 09 | | | | | |
| 809 | LI | BEDROOM | 92 | 100 | 00:00 |
| 810 | LI | BEDROOM | 62 | 100 | 00:00 |
| 811 | LI | L/K/D | 111 | 200 | 01:41 |
| 812 | LJ | L/K/D | 71 | 200 | 03:15 |
| 813 | LJ | BEDROOM | 102 | 100 | 02:03 |
| 814 | LK | BEDROOM | 109 | 100 | 01:22 |
| 815 | LK | L/K/D | 101 | 200 | 01:59 |
| 816 | LL | L/K/D | 223 | 200 | 01:40 |
| 817 | LL | BEDROOM | 152 | 100 | 03:57 |
| 818 | LL | BEDROOM | 219 | 100 | 04:13 |
| 819 | LM | BEDROOM | 144 | 100 | 04:28 |
| 820 | LM | BEDROOM | 154 | 100 | 04:39 |
| 821 | LM | L/K/D | 191 | 200 | 03:02 |
| 822 | LM | BEDROOM | 135 | 100 | 01:56 |
| 823 | LN | L/K/D | 79 | 200 | 00:19 |
| 824 | LN | BEDROOM | 136 | 100 | 00:49 |
| 825 | LN | BEDROOM | 123 | 100 | 02:25 |
| 826 | LO | BEDROOM | 127 | 100 | 03:02 |
| 827 | LO | BEDROOM | 178 | 100 | 03:42 |
| 828 | LO | L/K/D | 104 | 200 | 02:30 |
| 829 | LP | BEDROOM | 201 | 100 | 03:34 |
| 830 | LP | L/K/D | 183 | 200 | 05:14 |
| 831 | LP | BEDROOM | 78 | 100 | 00:00 |
| 832 | LP | BEDROOM | 64 | 100 | 00:00 |
| 833 | LQ | BEDROOM | 447 | 100 | 00:00 |
| 834 | LQ | BEDROOM | 73 | 100 | 01:24 |
| 835 | LQ | L/K/D | 55 | 200 | 00:53 |
| 836 | LR | L/K/D | 119 | 200 | 02:22 |
| 837 | LR | BEDROOM | 163 | 100 | 01:52 |
| 838 | LS | BEDROOM | 197 | 100 | 01:19 |
| 839 | LS | L/K/D | 125 | 200 | 02:53 |
| 840 | LT | L/K/D | 420 | 200 | 03:48 |
| 841 | LT | BEDROOM | 385 | 100 | 06:42 |
| 842 | LU | BEDROOM | 366 | 100 | 06:48 |
| 843 | LU | L/K/D | 394 | 200 | 04:53 |
| 844 | LU | BEDROOM | 260 | 100 | 03:48 |
| 845 | LV | L/K/D | 152 | 200 | 01:56 |
| 846 | LV | BEDROOM | 243 | 100 | 04:17 |
| 847 | LW | BEDROOM | 267 | 100 | 05:21 |
| 848 | LW | L/K/D | 176 | 200 | 03:41 |
| 849 | LX | L/K/D | 129 | 200 | 05:09 |
| 850 | LX | BEDROOM | 156 | 100 | 05:27 |
| 851 | LX | BEDROOM | 542 | 100 | 03:26 |
| 852 | LY | BEDROOM | 138 | 100 | 00:00 |
| 853 | LY | L/K/D | 108 | 200 | 00:57 |
| 854 | LY | BEDROOM | 67 | 100 | 01:24 |
| 855 | LZ | L/K/D | 66 | 200 | 03:12 |

Table 19: Assessment Data


Fig. 26: Floor Plan

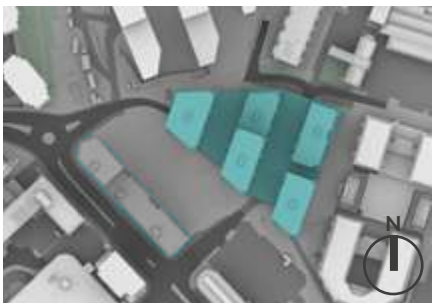


## Block D - Level 09 - part 02/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| 865 | MD | BEDROOM | 159 | 100 | 05:18 |
| 866 | ME | BEDROOM | 161 | 100 | 05:27 |
| 867 | ME | L/K/D | 115 | 200 | 03:41 |
| 868 | MF | BEDROOM | 146 | 100 | 05:16 |
| 869 | MF | L/K/D | 164 | 200 | 05:27 |
| 870 | MF | BEDROOM | 106 | 100 | 00:00 |

Table 20: Assessment Data


Fig. 27: Floor Plan

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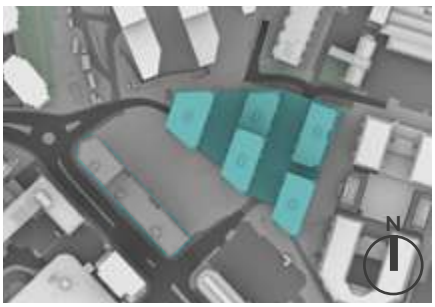
## Block D - Level 10 - part 01/02

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKD - LEVEL 10 | | | | | |
| 871 | MG | BEDROOM | 143 | 100 | 00:00 |
| 872 | MG | BEDROOM | 101 | 100 | 00:00 |
| 873 | MG | L/K/D | 184 | 200 | 01:41 |
| 874 | MH | L/K/D | 119 | 200 | 03:15 |
| 875 | MH | BEDROOM | 143 | 100 | 02:03 |
| 876 | MI | BEDROOM | 152 | 100 | 01:22 |
| 877 | MI | L/K/D | 156 | 200 | 01:59 |
| 878 | MJ | L/K/D | 339 | 200 | 01:40 |
| 879 | MJ | BEDROOM | 218 | 100 | 03:57 |
| 880 | MJ | BEDROOM | 305 | 100 | 04:13 |
| 881 | MK | BEDROOM | 214 | 100 | 04:28 |
| 882 | MK | BEDROOM | 220 | 100 | 04:39 |
| 883 | MK | L/K/D | 298 | 200 | 03:02 |
| 884 | MK | BEDROOM | 198 | 100 | 01:56 |
| 885 | ML | L/K/D | 135 | 200 | 00:19 |
| 886 | ML | BEDROOM | 200 | 100 | 00:49 |
| 887 | ML | BEDROOM | 182 | 100 | 02:25 |
| 888 | MM | BEDROOM | 188 | 100 | 03:02 |
| 889 | MM | BEDROOM | 251 | 100 | 03:42 |
| 890 | MM | L/K/D | 169 | 200 | 02:30 |
| 891 | MN | BEDROOM | 275 | 100 | 03:34 |
| 892 | MN | L/K/D | 280 | 200 | 05:14 |
| 893 | MN | BEDROOM | 109 | 100 | 00:00 |
| 894 | MN | BEDROOM | 103 | 100 | 00:00 |
| 895 | MO | BEDROOM | 440 | 100 | 00:00 |
| 896 | MO | BEDROOM | 110 | 100 | 01:24 |
| 897 | MO | L/K/D | 77 | 200 | 00:53 |
| 898 | MP | L/K/D | 132 | 200 | 02:22 |
| 899 | MP | BEDROOM | 177 | 100 | 01:52 |
| 900 | MQ | BEDROOM | 213 | 100 | 01:19 |
| 901 | MQ | L/K/D | 133 | 200 | 02:53 |
| 902 | MR | L/K/D | 448 | 200 | 03:48 |
| 903 | MR | BEDROOM | 402 | 100 | 06:42 |
| 904 | MS | BEDROOM | 379 | 100 | 06:48 |
| 905 | MS | L/K/D | 431 | 200 | 04:53 |
| 906 | MS | BEDROOM | 310 | 100 | 03:48 |
| 907 | MT | L/K/D | 166 | 200 | 01:56 |
| 908 | MT | BEDROOM | 272 | 100 | 04:17 |
| 909 | MU | BEDROOM | 292 | 100 | 05:21 |
| 910 | MU | L/K/D | 197 | 200 | 03:41 |
| 911 | MV | L/K/D | 179 | 200 | 05:09 |
| 912 | MV | BEDROOM | 248 | 100 | 05:27 |
| 913 | MV | BEDROOM | 523 | 100 | 03:26 |
| 914 | MW | BEDROOM | 375 | 100 | 00:00 |
| 915 | MW | L/K/D | 288 | 200 | 00:57 |
| 916 | MW | BEDROOM | 176 | 100 | 01:24 |
| 917 | MX | L/K/D | 163 | 200 | 03:12 |

Table 21: Assessment Data


Fig. 28: Floor Plan

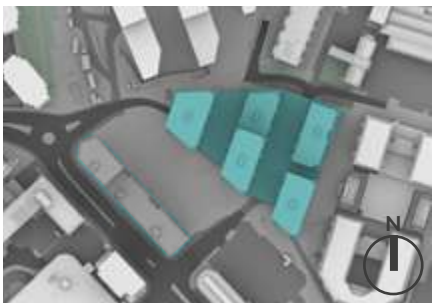


## Block D - Level 10 - part 02/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| 927 | NB | BEDROOM | 375 | 100 | 05:18 |
| 928 | NC | BEDROOM | 381 | 100 | 05:27 |
| 929 | NC | L/K/D | 254 | 200 | 03:41 |
| 930 | ND | BEDROOM | 351 | 100 | 05:16 |
| 931 | ND | L/K/D | 370 | 200 | 05:27 |
| 932 | ND | BEDROOM | 283 | 100 | 00:00 |

Table 22: Assessment Data


Fig. 29: Floor Plan

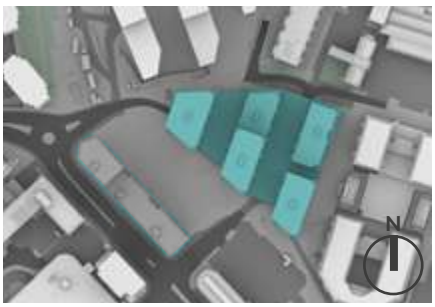


## Block D - Level 11 - part 01/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | | | BY ROOM |
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | 21 MAR |
| BLOCKD - LEVEL 11 | | | | | |
| 933 | NE | BEDROOM | 162 | 100 | 00:00 |
| 934 | NE | BEDROOM | 115 | 100 | 00:00 |
| 935 | NE | L/K/D | 208 | 200 | 01:41 |
| 936 | NF | L/K/D | 130 | 200 | 03:15 |
| 937 | NF | BEDROOM | 152 | 100 | 02:03 |
| 938 | NG | BEDROOM | 161 | 100 | 01:22 |
| 939 | NG | L/K/D | 166 | 200 | 01:59 |
| 940 | NH | L/K/D | 355 | 200 | 01:40 |
| 941 | NH | BEDROOM | 229 | 100 | 03:57 |
| 942 | NH | BEDROOM | 319 | 100 | 04:13 |
| 943 | NI | BEDROOM | 249 | 100 | 04:28 |
| 944 | NI | BEDROOM | 235 | 100 | 04:39 |
| 945 | NI | L/K/D | 319 | 200 | 03:02 |
| 946 | NI | BEDROOM | 223 | 100 | 01:56 |
| 947 | NJ | L/K/D | 148 | 200 | 00:19 |
| 948 | NJ | BEDROOM | 235 | 100 | 00:49 |
| 949 | NJ | BEDROOM | 203 | 100 | 02:25 |
| 950 | NK | BEDROOM | 208 | 100 | 03:02 |
| 951 | NK | BEDROOM | 289 | 100 | 03:42 |
| 952 | NK | L/K/D | 181 | 200 | 02:30 |
| 953 | NL | BEDROOM | 294 | 100 | 03:34 |
| 954 | NL | L/K/D | 295 | 200 | 05:14 |
| 955 | NL | BEDROOM | 120 | 100 | 00:00 |
| 956 | NL | BEDROOM | 129 | 100 | 00:00 |
| 957 | NM | L/K/D | 375 | 200 | 00:00 |
| 958 | NM | BEDROOM | 120 | 100 | 01:24 |
| 959 | NM | BEDROOM | 146 | 100 | 00:53 |
| 960 | NN | L/K/D | 144 | 200 | 02:22 |
| 961 | NN | BEDROOM | 198 | 100 | 01:52 |
| 962 | NO | BEDROOM | 237 | 100 | 01:19 |
| 963 | NO | L/K/D | 142 | 200 | 02:53 |
| 964 | NP | L/K/D | 472 | 200 | 03:48 |
| 965 | NP | BEDROOM | 419 | 100 | 06:42 |
| 966 | NQ | BEDROOM | 397 | 100 | 06:48 |
| 967 | NQ | L/K/D | 487 | 200 | 04:53 |
| 968 | NQ | BEDROOM | 374 | 100 | 03:48 |
| 969 | NR | L/K/D | 183 | 200 | 01:56 |
| 970 | NR | BEDROOM | 316 | 100 | 04:17 |
| 971 | NS | BEDROOM | 319 | 100 | 05:21 |
| 972 | NS | L/K/D | 220 | 200 | 03:41 |
| 973 | NT | BEDROOM | 330 | 100 | 05:09 |
| 974 | NT | BEDROOM | 292 | 100 | 05:27 |
| 975 | NT | L/K/D | 476 | 200 | 03:26 |
| 976 | NU | BEDROOM | 231 | 100 | 00:00 |
| 977 | NU | L/K/D | 205 | 200 | 00:57 |
| 978 | NU | BEDROOM | 116 | 100 | 01:24 |
| 979 | NV | L/K/D | 129 | 200 | 03:12 |

Table 23: Assessment Data


Fig. 30: Floor Plan

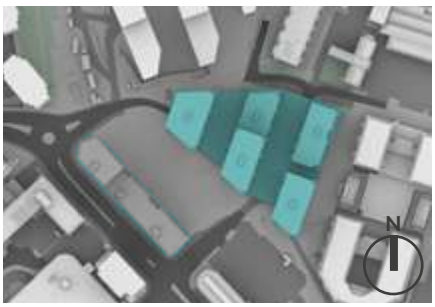


## Block D - Level 11 - part 02/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| 989 | NZ | BEDROOM | 233 | 100 | 05:18 |
| 990 | OA | BEDROOM | 233 | 100 | 05:27 |
| 991 | OA | L/K/D | 190 | 200 | 03:41 |
| 992 | OB | BEDROOM | 208 | 100 | 05:16 |
| 993 | OB | L/K/D | 258 | 200 | 05:27 |
| 994 | OB | BEDROOM | 175 | 100 | 00:00 |

Table 24: Assessment Data


Fig. 31: Floor Plan

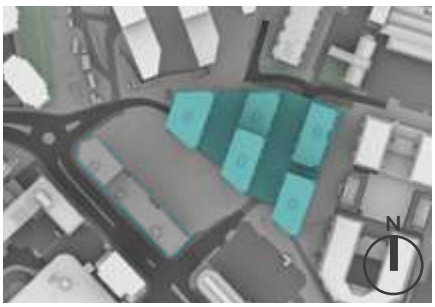


## Block D - Level 12 -part 01/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | | | BY ROOM |
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | 21 MAR |
| BLOCKD - LEVEL 12 | | | | | |
| 995 | OC | BEDROOM | 180 | 100 | 00:00 |
| 996 | OC | BEDROOM | 127 | 100 | 00:00 |
| 997 | OC | L/K/D | 232 | 200 | 01:41 |
| 998 | OD | L/K/D | 140 | 200 | 03:15 |
| 999 | OD | BEDROOM | 159 | 100 | 02:03 |
| 1000 | OE | BEDROOM | 168 | 100 | 01:22 |
| 1001 | OE | L/K/D | 176 | 200 | 01:59 |
| 1002 | OF | L/K/D | 373 | 200 | 01:40 |
| 1003 | OF | BEDROOM | 240 | 100 | 03:57 |
| 1004 | OF | BEDROOM | 334 | 100 | 04:13 |
| 1005 | OG | BEDROOM | 263 | 100 | 04:28 |
| 1006 | OG | BEDROOM | 243 | 100 | 04:39 |
| 1007 | OG | L/K/D | 347 | 200 | 03:02 |
| 1008 | OG | BEDROOM | 264 | 100 | 01:56 |
| 1009 | OH | L/K/D | 161 | 200 | 00:19 |
| 1010 | OH | BEDROOM | 270 | 100 | 00:49 |
| 1011 | OH | BEDROOM | 231 | 100 | 02:25 |
| 1012 | OI | BEDROOM | 239 | 100 | 03:02 |
| 1013 | OI | BEDROOM | 319 | 100 | 03:42 |
| 1014 | OI | L/K/D | 194 | 200 | 02:30 |
| 1015 | OJ | BEDROOM | 313 | 100 | 03:34 |
| 1016 | OJ | L/K/D | 313 | 200 | 05:14 |
| 1017 | OJ | BEDROOM | 132 | 100 | 00:00 |
| 1018 | OJ | BEDROOM | 141 | 100 | 00:00 |
| 1019 | OK | L/K/D | 391 | 200 | 00:00 |
| 1020 | OK | BEDROOM | 129 | 100 | 01:24 |
| 1021 | OK | BEDROOM | 156 | 100 | 00:53 |
| 1022 | OL | L/K/D | 156 | 200 | 02:22 |
| 1023 | OL | BEDROOM | 214 | 100 | 01:52 |
| 1024 | OM | BEDROOM | 260 | 100 | 01:19 |
| 1025 | OM | L/K/D | 156 | 200 | 02:53 |
| 1026 | ON | L/K/D | 496 | 200 | 03:48 |
| 1027 | ON | BEDROOM | 436 | 100 | 06:42 |
| 1028 | OO | BEDROOM | 409 | 100 | 06:48 |
| 1029 | OO | L/K/D | 537 | 200 | 04:53 |
| 1030 | OO | BEDROOM | 420 | 100 | 03:48 |
| 1031 | OP | L/K/D | 214 | 200 | 01:56 |
| 1032 | OP | BEDROOM | 352 | 100 | 04:17 |
| 1033 | OQ | BEDROOM | 344 | 100 | 05:21 |
| 1034 | OQ | L/K/D | 245 | 200 | 03:41 |
| 1035 | OR | BEDROOM | 352 | 100 | 05:09 |
| 1036 | OR | BEDROOM | 307 | 100 | 05:27 |
| 1037 | OR | L/K/D | 492 | 200 | 03:26 |
| 1038 | OS | BEDROOM | 241 | 100 | 00:00 |
| 1039 | OS | L/K/D | 219 | 200 | 00:57 |
| 1040 | OS | BEDROOM | 124 | 100 | 01:24 |
| 1041 | OT | L/K/D | 141 | 200 | 03:12 |

Table 25: Assessment Data


Fig. 32: Floor Plan

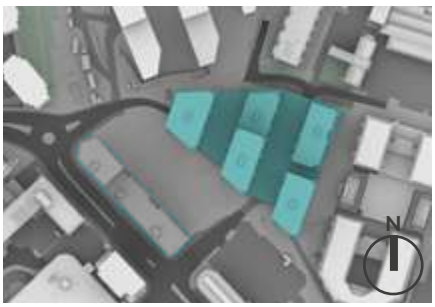


## Block D - Level 12 -part 02/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| 1051 | OX | BEDROOM | 239 | 100 | 05:18 |
| 1052 | OY | BEDROOM | 239 | 100 | 05:27 |
| 1053 | OY | L/K/D | 195 | 200 | 03:41 |
| 1054 | OZ | BEDROOM | 215 | 100 | 05:16 |
| 1055 | OZ | L/K/D | 265 | 200 | 05:27 |
| 1056 | OZ | BEDROOM | 182 | 100 | 00:00 |

Table 26: Assessment Data


Fig. 33: Floor Plan

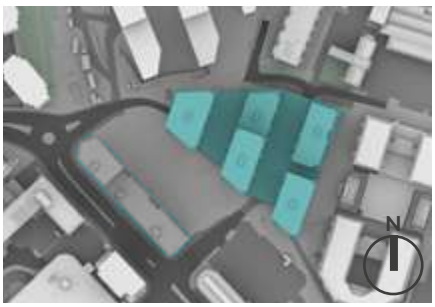


## Block D - Level 13 -part 01/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | | | BY ROOM |
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | 21 MAR |
| BLOCKD - LEVEL 13 | | | | | |
| 1057 | PA | BEDROOM | 193 | 100 | 00:00 |
| 1058 | PA | BEDROOM | 136 | 100 | 00:00 |
| 1059 | PA | L/K/D | 255 | 200 | 01:41 |
| 1060 | PB | L/K/D | 151 | 200 | 03:15 |
| 1061 | PB | BEDROOM | 170 | 100 | 02:03 |
| 1062 | PC | BEDROOM | 178 | 100 | 01:22 |
| 1063 | PC | L/K/D | 187 | 200 | 01:59 |
| 1064 | PD | L/K/D | 388 | 200 | 01:40 |
| 1065 | PD | BEDROOM | 250 | 100 | 03:57 |
| 1066 | PD | BEDROOM | 345 | 100 | 04:13 |
| 1067 | PE | BEDROOM | 274 | 100 | 04:28 |
| 1068 | PE | BEDROOM | 253 | 100 | 04:39 |
| 1069 | PE | L/K/D | 383 | 200 | 03:02 |
| 1070 | PE | BEDROOM | 306 | 100 | 01:56 |
| 1071 | PF | L/K/D | 174 | 200 | 00:19 |
| 1072 | PF | BEDROOM | 310 | 100 | 00:49 |
| 1073 | PF | BEDROOM | 259 | 100 | 02:25 |
| 1074 | PG | BEDROOM | 266 | 100 | 03:02 |
| 1075 | PG | BEDROOM | 352 | 100 | 03:42 |
| 1076 | PG | L/K/D | 209 | 200 | 02:30 |
| 1077 | PH | BEDROOM | 338 | 100 | 03:34 |
| 1078 | PH | L/K/D | 334 | 200 | 05:14 |
| 1079 | PH | BEDROOM | 142 | 100 | 00:00 |
| 1080 | PH | BEDROOM | 152 | 100 | 00:00 |
| 1081 | PI | L/K/D | 403 | 200 | 00:00 |
| 1082 | PI | BEDROOM | 141 | 100 | 01:24 |
| 1083 | PI | BEDROOM | 174 | 100 | 00:53 |
| 1084 | PJ | L/K/D | 170 | 200 | 02:22 |
| 1085 | PJ | BEDROOM | 234 | 100 | 01:52 |
| 1086 | PK | BEDROOM | 284 | 100 | 01:19 |
| 1087 | PK | L/K/D | 168 | 200 | 02:53 |
| 1088 | PL | L/K/D | 519 | 200 | 03:48 |
| 1089 | PL | BEDROOM | 449 | 100 | 06:42 |
| 1090 | PM | BEDROOM | 423 | 100 | 06:48 |
| 1091 | PM | L/K/D | 581 | 200 | 04:53 |
| 1092 | PM | BEDROOM | 463 | 100 | 03:48 |
| 1093 | PN | L/K/D | 247 | 200 | 01:56 |
| 1094 | PN | BEDROOM | 384 | 100 | 04:17 |
| 1095 | PO | BEDROOM | 374 | 100 | 05:21 |
| 1096 | PO | L/K/D | 268 | 200 | 03:41 |
| 1097 | PP | BEDROOM | 376 | 100 | 05:09 |
| 1098 | PP | BEDROOM | 324 | 100 | 05:27 |
| 1099 | PP | L/K/D | 499 | 200 | 03:26 |
| 1100 | PQ | BEDROOM | 409 | 100 | 00:00 |
| 1101 | PQ | L/K/D | 430 | 200 | 00:57 |
| 1102 | PQ | BEDROOM | 251 | 100 | 01:24 |
| 1103 | PR | L/K/D | 283 | 200 | 03:12 |

Table 27: Assessment Data


Fig. 34: Floor Plan

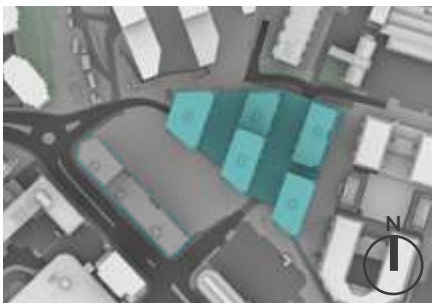


## Block D - Level 13 -part 02/02

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| 1113 | PV | BEDROOM | 418 | 100 | 05:18 |
| 1114 | PW | BEDROOM | 417 | 100 | 05:27 |
| 1115 | PW | L/K/D | 348 | 200 | 03:41 |
| 1116 | PX | BEDROOM | 383 | 100 | 05:16 |
| 1117 | PX | L/K/D | 474 | 200 | 05:27 |
| 1118 | PX | BEDROOM | 309 | 100 | 00:00 |

Table 28: Assessment Data


Fig. 35: Floor Plan

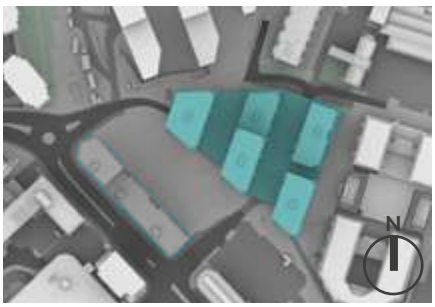


## Block D - Level 14

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKD - LEVEL 14 | | | | | |
| 1119 | PY | BEDROOM | 207 | 100 | 00:00 |
| 1120 | PY | BEDROOM | 147 | 100 | 00:00 |
| 1121 | PY | L/K/D | 278 | 200 | 01:41 |
| 1122 | PZ | L/K/D | 171 | 200 | 03:15 |
| 1123 | PZ | BEDROOM | 181 | 100 | 02:03 |
| 1124 | QA | BEDROOM | 185 | 100 | 01:22 |
| 1125 | QA | L/K/D | 198 | 200 | 01:59 |
| 1126 | QB | L/K/D | 403 | 200 | 01:40 |
| 1127 | QB | BEDROOM | 259 | 100 | 03:57 |
| 1128 | QB | BEDROOM | 355 | 100 | 04:13 |
| 1129 | QC | BEDROOM | 280 | 100 | 04:28 |
| 1130 | QC | BEDROOM | 258 | 100 | 04:39 |
| 1131 | QC | L/K/D | 421 | 200 | 03:02 |
| 1132 | QC | BEDROOM | 346 | 100 | 01:56 |
| 1133 | QD | L/K/D | 212 | 200 | 00:19 |
| 1134 | QD | BEDROOM | 349 | 100 | 00:49 |
| 1135 | QD | BEDROOM | 289 | 100 | 02:25 |
| 1136 | QE | BEDROOM | 301 | 100 | 03:02 |
| 1137 | QE | BEDROOM | 379 | 100 | 03:42 |
| 1138 | QE | L/K/D | 233 | 200 | 02:30 |
| 1139 | QF | BEDROOM | 363 | 100 | 03:34 |
| 1140 | QF | L/K/D | 355 | 200 | 05:14 |
| 1141 | QF | BEDROOM | 153 | 100 | 00:00 |
| 1142 | QF | BEDROOM | 163 | 100 | 00:00 |
| 1143 | QG | L/K/D | 417 | 200 | 00:00 |
| 1144 | QG | BEDROOM | 157 | 100 | 01:24 |
| 1145 | QG | BEDROOM | 204 | 100 | 00:53 |
| 1146 | QH | L/K/D | 185 | 200 | 02:22 |
| 1147 | QH | BEDROOM | 263 | 100 | 01:52 |
| 1148 | QI | BEDROOM | 315 | 100 | 01:19 |
| 1149 | QI | L/K/D | 179 | 200 | 02:53 |
| 1150 | QJ | L/K/D | 536 | 200 | 03:48 |
| 1151 | QJ | BEDROOM | 453 | 100 | 06:42 |
| 1152 | QK | BEDROOM | 427 | 100 | 06:48 |
| 1153 | QK | L/K/D | 612 | 200 | 04:53 |
| 1154 | QK | BEDROOM | 492 | 100 | 03:48 |
| 1155 | QL | L/K/D | 271 | 200 | 01:56 |
| 1156 | QL | BEDROOM | 414 | 100 | 04:17 |
| 1157 | QM | BEDROOM | 398 | 100 | 05:21 |
| 1158 | QM | L/K/D | 286 | 200 | 03:41 |
| 1159 | QN | BEDROOM | 392 | 100 | 05:09 |
| 1160 | QN | BEDROOM | 335 | 100 | 05:27 |
| 1161 | QN | L/K/D | 503 | 200 | 03:26 |

Table 29: Assessment Data


Fig. 36: Floor Plan

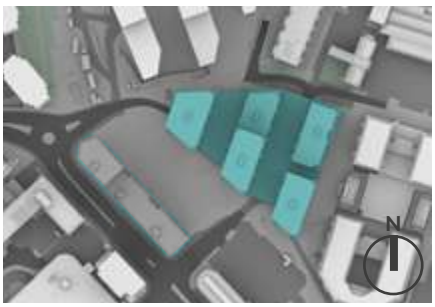


## Block D - Level 15

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | | | BY ROOM |
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | 21 MAR |
| BLOCKD - LEVEL 15 | | | | | |
| 1162 | QO | BEDROOM | 220 | 100 | 00:00 |
| 1163 | QO | BEDROOM | 157 | 100 | 00:00 |
| 1164 | QO | L/K/D | 300 | 200 | 01:41 |
| 1165 | QP | L/K/D | 191 | 200 | 03:15 |
| 1166 | QP | BEDROOM | 193 | 100 | 02:03 |
| 1167 | QQ | BEDROOM | 195 | 100 | 01:22 |
| 1168 | QQ | L/K/D | 209 | 200 | 01:59 |
| 1169 | QR | L/K/D | 420 | 200 | 01:40 |
| 1170 | QR | BEDROOM | 265 | 100 | 03:57 |
| 1171 | QR | BEDROOM | 362 | 100 | 04:13 |
| 1172 | QS | BEDROOM | 287 | 100 | 04:28 |
| 1173 | QS | BEDROOM | 266 | 100 | 04:39 |
| 1174 | QS | L/K/D | 454 | 200 | 03:02 |
| 1175 | QS | BEDROOM | 388 | 100 | 01:56 |
| 1176 | QT | L/K/D | 253 | 200 | 00:19 |
| 1177 | QT | BEDROOM | 384 | 100 | 00:49 |
| 1178 | QT | BEDROOM | 317 | 100 | 02:25 |
| 1179 | QU | BEDROOM | 333 | 100 | 03:02 |
| 1180 | QU | BEDROOM | 416 | 100 | 03:42 |
| 1181 | QU | L/K/D | 260 | 200 | 02:30 |
| 1182 | QV | BEDROOM | 387 | 100 | 03:34 |
| 1183 | QV | L/K/D | 372 | 200 | 05:14 |
| 1184 | QV | BEDROOM | 161 | 100 | 00:00 |
| 1185 | QV | BEDROOM | 172 | 100 | 00:00 |
| 1186 | QW | L/K/D | 512 | 200 | 00:00 |
| 1187 | QW | BEDROOM | 195 | 100 | 01:24 |
| 1188 | QW | BEDROOM | 250 | 100 | 00:53 |
| 1189 | QX | L/K/D | 283 | 200 | 02:22 |
| 1190 | QX | BEDROOM | 309 | 100 | 01:52 |
| 1191 | QY | BEDROOM | 353 | 100 | 01:19 |
| 1192 | QY | L/K/D | 260 | 200 | 02:53 |
| 1193 | QZ | L/K/D | 677 | 200 | 03:48 |
| 1194 | QZ | BEDROOM | 464 | 100 | 06:42 |
| 1195 | RA | BEDROOM | 437 | 100 | 06:48 |
| 1196 | RA | L/K/D | 789 | 200 | 04:53 |
| 1197 | RA | BEDROOM | 513 | 100 | 03:48 |
| 1198 | RB | L/K/D | 362 | 200 | 01:56 |
| 1199 | RB | BEDROOM | 438 | 100 | 04:17 |
| 1200 | RC | BEDROOM | 414 | 100 | 05:21 |
| 1201 | RC | L/K/D | 374 | 200 | 03:41 |
| 1202 | RD | BEDROOM | 412 | 100 | 05:09 |
| 1203 | RD | BEDROOM | 344 | 100 | 05:27 |
| 1204 | RD | L/K/D | 589 | 200 | 03:26 |

Table 30: Assessment Data


Fig. 37: Floor Plan

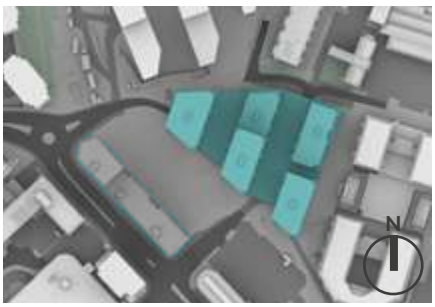


## Block D - Level 16

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKD - LEVEL 16 | | | | | |
| 1205 | RE | BEDROOM | 232 | 100 | 00:00 |
| 1206 | RE | BEDROOM | 167 | 100 | 00:00 |
| 1207 | RE | L/K/D | 320 | 200 | 01:44 |
| 1208 | RF | L/K/D | 209 | 200 | 03:28 |
| 1209 | RF | BEDROOM | 204 | 100 | 02:44 |
| 1210 | RG | BEDROOM | 205 | 100 | 02:12 |
| 1211 | RG | L/K/D | 224 | 200 | 03:47 |
| 1212 | RH | L/K/D | 436 | 200 | 04:13 |
| 1213 | RH | BEDROOM | 270 | 100 | 05:56 |
| 1214 | RH | BEDROOM | 372 | 100 | 05:45 |
| 1215 | RI | BEDROOM | 266 | 100 | 05:48 |
| 1216 | RI | BEDROOM | 273 | 100 | 05:48 |
| 1217 | RI | L/K/D | 481 | 200 | 06:19 |
| 1218 | RI | BEDROOM | 425 | 100 | 05:13 |
| 1219 | RJ | L/K/D | 278 | 200 | 03:34 |
| 1220 | RJ | BEDROOM | 409 | 100 | 03:52 |
| 1221 | RJ | BEDROOM | 345 | 100 | 05:14 |
| 1222 | RK | BEDROOM | 354 | 100 | 05:14 |
| 1223 | RK | BEDROOM | 429 | 100 | 05:14 |
| 1224 | RK | L/K/D | 277 | 200 | 03:41 |
| 1225 | RL | BEDROOM | 410 | 100 | 03:39 |
| 1226 | RL | L/K/D | 386 | 200 | 05:14 |
| 1227 | RL | BEDROOM | 167 | 100 | 00:00 |
| 1228 | RL | BEDROOM | 167 | 100 | 00:00 |

Table 31: Assessment Data


Fig. 38: Floor Plan

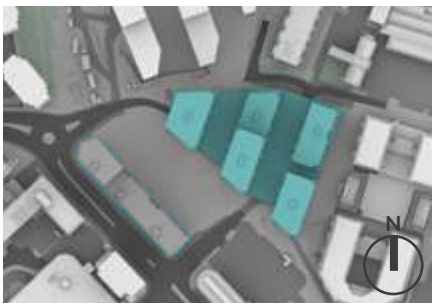


## Block D - Level 17

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKD - LEVEL 17 | | | | | |
| 1229 | RM | BEDROOM | 241 | 100 | 00:00 |
| 1230 | RM | BEDROOM | 180 | 100 | 00:00 |
| 1231 | RM | L/K/D | 405 | 200 | 01:44 |
| 1232 | RN | L/K/D | 293 | 200 | 03:28 |
| 1233 | RN | BEDROOM | 220 | 100 | 02:44 |
| 1234 | RO | BEDROOM | 221 | 100 | 02:12 |
| 1235 | RO | L/K/D | 304 | 200 | 03:47 |
| 1236 | RP | L/K/D | 549 | 200 | 04:13 |
| 1237 | RP | BEDROOM | 286 | 100 | 05:56 |
| 1238 | RP | BEDROOM | 383 | 100 | 05:45 |
| 1239 | RQ | BEDROOM | 273 | 100 | 05:48 |
| 1240 | RQ | BEDROOM | 279 | 100 | 05:48 |
| 1241 | RQ | L/K/D | 623 | 200 | 06:19 |
| 1242 | RQ | BEDROOM | 464 | 100 | 05:13 |
| 1243 | RR | L/K/D | 375 | 200 | 03:34 |
| 1244 | RR | BEDROOM | 445 | 100 | 03:52 |
| 1245 | RR | BEDROOM | 360 | 100 | 05:14 |
| 1246 | RS | BEDROOM | 368 | 100 | 05:14 |
| 1247 | RS | BEDROOM | 445 | 100 | 05:14 |
| 1248 | RS | L/K/D | 371 | 200 | 03:41 |
| 1249 | RT | BEDROOM | 454 | 100 | 03:39 |
| 1250 | RT | L/K/D | 483 | 200 | 05:14 |
| 1251 | RT | BEDROOM | 171 | 100 | 00:00 |
| 1252 | RT | BEDROOM | 173 | 100 | 00:00 |

Table 32: Assessment Data


Fig. 39: Floor Plan

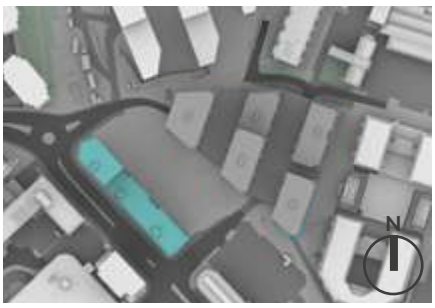


## Block K - Level 01

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKK - LEVEL 01 | | | | | |
| 1253 | RU | BEDROOM | 83 | 100 | 00:13 |
| 1254 | RU | BEDROOM | 125 | 100 | 00:14 |
| 1255 | RV | L/K/D | 131 | 200 | 01:18 |
| 1256 | RV | BEDROOM | 108 | 100 | 00:18 |
| 1257 | RV | BEDROOM | 122 | 100 | 00:16 |
| 1258 | RW | BEDROOM | 107 | 100 | 00:12 |
| 1259 | RW | BEDROOM | 192 | 100 | 00:04 |
| 1260 | RW | L/K/D | 53 | 200 | 00:00 |
| 1261 | RX | KITCHEN | 36 | 200 | 00:00 |
| 1262 | RX | LIVING ROOM | 81 | 150 | 00:34 |
| 1263 | RX | BEDROOM | 178 | 100 | 00:54 |
| 1264 | RX | BEDROOM | 161 | 100 | 00:00 |
| 1265 | RX | BEDROOM | 92 | 100 | 00:00 |
| 1266 | RY | BEDROOM | 102 | 100 | 00:00 |
| 1267 | RY | BEDROOM | 83 | 100 | 00:00 |
| 1268 | RY | L/K/D | 93 | 200 | 00:08 |
| 1269 | RZ | BEDROOM | 43 | 100 | 00:00 |
| 1270 | RZ | L/K/D | 46 | 200 | 00:00 |
| 1271 | SA | BEDROOM | 89 | 100 | 00:00 |
| 1272 | SA | BEDROOM | 53 | 100 | 00:00 |
| 1273 | SA | L/K/D | 55 | 200 | 00:18 |
| 1274 | SB | BEDROOM | 60 | 100 | 00:00 |
| 1275 | SB | L/K/D | 54 | 200 | 00:10 |
| 1276 | SC | BEDROOM | 112 | 100 | 00:00 |
| 1277 | SC | BEDROOM | 111 | 100 | 00:00 |
| 1278 | SC | L/K/D | 213 | 200 | 00:00 |
| 1279 | SD | L/K/D | 188 | 200 | 00:48 |
| 1280 | SD | BEDROOM | 80 | 100 | 01:10 |
| 1281 | SD | BEDROOM | 95 | 100 | 02:57 |
| 1282 | SE | BEDROOM | 112 | 100 | 02:02 |
| 1283 | SE | L/K/D | 120 | 200 | 01:06 |
| 1284 | SF | BEDROOM | 139 | 100 | 02:55 |
| 1285 | SF | BEDROOM | 306 | 100 | 02:54 |
| 1286 | SG | L/K/D | 176 | 200 | 02:43 |
| 1287 | SG | BEDROOM | 114 | 100 | 01:21 |
| 1288 | SG | BEDROOM | 184 | 100 | 04:34 |
| 1289 | SH | BEDROOM | 186 | 100 | 02:58 |
| 1290 | SH | L/K/D | 180 | 200 | 05:08 |
| 1291 | SI | BEDROOM | 133 | 100 | 03:00 |
| 1292 | SI | BEDROOM | 89 | 100 | 01:55 |
| 1293 | SI | L/K/D | 107 | 200 | 03:32 |
| 1294 | SJ | BEDROOM | 107 | 100 | 01:54 |
| 1295 | SJ | BEDROOM | 109 | 100 | 00:34 |
| 1296 | SJ | BEDROOM | 97 | 100 | 00:00 |
| 1297 | SJ | LIVING ROOM | 441 | 150 | 04:41 |
| 1298 | SJ | KITCHEN | 235 | 200 | 04:32 |
| 1299 | RU | BEDROOM | 223 | 100 | 05:10 |

Table 33: Assessment Data


Fig. 40: Floor Plan

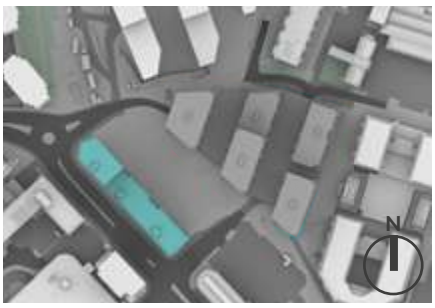


## Block K - Level 02

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKK - LEVEL 02 | | | | | |
| 1302 | SK | BEDROOM | 88 | 100 | 00:49 |
| 1303 | SK | BEDROOM | 132 | 100 | 00:39 |
| 1304 | SL | L/K/D | 140 | 200 | 01:37 |
| 1305 | SL | BEDROOM | 115 | 100 | 00:24 |
| 1306 | SL | BEDROOM | 128 | 100 | 00:18 |
| 1307 | SM | BEDROOM | 115 | 100 | 00:12 |
| 1308 | SM | BEDROOM | 208 | 100 | 00:04 |
| 1309 | SM | L/K/D | 58 | 200 | 00:00 |
| 1310 | SN | KITCHEN | 44 | 200 | 00:00 |
| 1311 | SN | LIVING ROOM | 90 | 150 | 00:34 |
| 1312 | SN | BEDROOM | 192 | 100 | 00:54 |
| 1313 | SN | BEDROOM | 173 | 100 | 00:00 |
| 1314 | SN | BEDROOM | 99 | 100 | 00:00 |
| 1315 | SO | BEDROOM | 109 | 100 | 00:00 |
| 1316 | SO | BEDROOM | 91 | 100 | 00:00 |
| 1317 | SO | L/K/D | 99 | 200 | 00:13 |
| 1318 | SP | BEDROOM | 48 | 100 | 00:00 |
| 1319 | SP | L/K/D | 49 | 200 | 00:02 |
| 1320 | SQ | BEDROOM | 96 | 100 | 00:00 |
| 1321 | SQ | BEDROOM | 57 | 100 | 00:00 |
| 1322 | SQ | L/K/D | 60 | 200 | 00:36 |
| 1323 | SR | BEDROOM | 66 | 100 | 00:00 |
| 1324 | SR | L/K/D | 58 | 200 | 00:33 |
| 1325 | SS | BEDROOM | 120 | 100 | 00:00 |
| 1326 | SS | BEDROOM | 119 | 100 | 00:00 |
| 1327 | SS | L/K/D | 223 | 200 | 00:00 |
| 1328 | ST | L/K/D | 199 | 200 | 00:52 |
| 1329 | ST | BEDROOM | 88 | 100 | 01:44 |
| 1330 | ST | BEDROOM | 127 | 100 | 04:45 |
| 1331 | SU | BEDROOM | 152 | 100 | 04:18 |
| 1332 | SU | L/K/D | 140 | 200 | 03:24 |
| 1333 | SV | BEDROOM | 159 | 100 | 05:11 |
| 1334 | SV | BEDROOM | 340 | 100 | 05:17 |
| 1335 | SW | L/K/D | 193 | 200 | 03:57 |
| 1336 | SW | BEDROOM | 126 | 100 | 02:24 |
| 1337 | SW | BEDROOM | 198 | 100 | 05:23 |
| 1338 | SX | BEDROOM | 201 | 100 | 03:36 |
| 1339 | SX | L/K/D | 197 | 200 | 05:41 |
| 1340 | SY | BEDROOM | 151 | 100 | 04:28 |
| 1341 | SY | BEDROOM | 94 | 100 | 02:52 |
| 1342 | SY | L/K/D | 118 | 200 | 06:01 |
| 1343 | SZ | BEDROOM | 115 | 100 | 04:36 |
| 1344 | SZ | BEDROOM | 124 | 100 | 02:58 |
| 1345 | SZ | BEDROOM | 105 | 100 | 01:17 |
| 1346 | SZ | LIVING ROOM | 484 | 150 | 08:25 |
| 1347 | SZ | KITCHEN | 264 | 200 | 06:21 |
| 1348 | SK | BEDROOM | 261 | 100 | 06:21 |

Table 34: Assessment Data


Fig. 41: Floor Plan

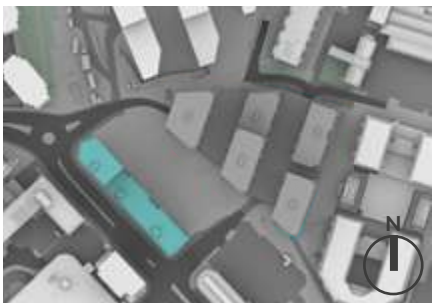


## Block K - Level 03

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKK - LEVEL 03 | | | | | |
| 1351 | TA | BEDROOM | 93 | 100 | 00:49 |
| 1352 | TA | BEDROOM | 141 | 100 | 00:39 |
| 1353 | TB | L/K/D | 148 | 200 | 01:37 |
| 1354 | TB | BEDROOM | 124 | 100 | 00:24 |
| 1355 | TB | BEDROOM | 137 | 100 | 00:18 |
| 1356 | TC | BEDROOM | 122 | 100 | 00:12 |
| 1357 | TC | BEDROOM | 219 | 100 | 00:04 |
| 1358 | TC | L/K/D | 63 | 200 | 00:00 |
| 1359 | TD | KITCHEN | 47 | 200 | 00:00 |
| 1360 | TD | LIVING ROOM | 98 | 150 | 00:34 |
| 1361 | TD | BEDROOM | 211 | 100 | 00:54 |
| 1362 | TD | BEDROOM | 186 | 100 | 00:00 |
| 1363 | TD | BEDROOM | 108 | 100 | 00:00 |
| 1364 | TE | BEDROOM | 117 | 100 | 00:00 |
| 1365 | TE | BEDROOM | 97 | 100 | 00:00 |
| 1366 | TE | L/K/D | 107 | 200 | 00:13 |
| 1367 | TF | BEDROOM | 52 | 100 | 00:00 |
| 1368 | TF | L/K/D | 53 | 200 | 00:02 |
| 1369 | TG | BEDROOM | 104 | 100 | 00:00 |
| 1370 | TG | BEDROOM | 62 | 100 | 00:00 |
| 1371 | TG | L/K/D | 64 | 200 | 00:36 |
| 1372 | TH | BEDROOM | 71 | 100 | 00:00 |
| 1373 | TH | L/K/D | 62 | 200 | 00:33 |
| 1374 | TI | BEDROOM | 128 | 100 | 00:00 |
| 1375 | TI | BEDROOM | 125 | 100 | 00:00 |
| 1376 | TI | L/K/D | 230 | 200 | 00:00 |
| 1377 | TJ | L/K/D | 215 | 200 | 00:52 |
| 1378 | TJ | BEDROOM | 95 | 100 | 01:44 |
| 1379 | TJ | BEDROOM | 161 | 100 | 04:45 |
| 1380 | TK | BEDROOM | 193 | 100 | 04:18 |
| 1381 | TK | L/K/D | 188 | 200 | 03:24 |
| 1382 | TL | BEDROOM | 184 | 100 | 05:11 |
| 1383 | TL | BEDROOM | 379 | 100 | 05:17 |
| 1384 | TM | L/K/D | 216 | 200 | 03:57 |
| 1385 | TM | BEDROOM | 141 | 100 | 02:24 |
| 1386 | TM | BEDROOM | 216 | 100 | 05:23 |
| 1387 | TN | BEDROOM | 215 | 100 | 03:36 |
| 1388 | TN | L/K/D | 228 | 200 | 05:41 |
| 1389 | TO | BEDROOM | 173 | 100 | 04:28 |
| 1390 | TO | BEDROOM | 108 | 100 | 02:52 |
| 1391 | TO | L/K/D | 131 | 200 | 06:01 |
| 1392 | TP | BEDROOM | 155 | 100 | 04:36 |
| 1393 | TP | BEDROOM | 164 | 100 | 02:58 |
| 1394 | TP | BEDROOM | 118 | 100 | 01:17 |
| 1395 | TP | LIVING ROOM | 536 | 150 | 08:25 |
| 1396 | TP | KITCHEN | 298 | 200 | 06:21 |
| 1397 | TA | BEDROOM | 291 | 100 | 06:21 |

Table 35: Assessment Data


Fig. 42: Floor Plan

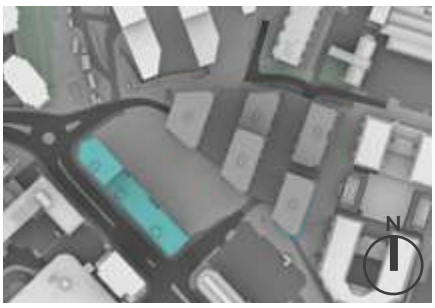


## Block K - Level 04

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKK - LEVEL 04 | | | | | |
| 1400 | TQ | BEDROOM | 99 | 100 | 00:49 |
| 1401 | TQ | BEDROOM | 148 | 100 | 00:39 |
| 1402 | TR | L/K/D | 157 | 200 | 01:37 |
| 1403 | TR | BEDROOM | 130 | 100 | 00:24 |
| 1404 | TR | BEDROOM | 146 | 100 | 00:18 |
| 1405 | TS | BEDROOM | 131 | 100 | 00:12 |
| 1406 | TS | BEDROOM | 234 | 100 | 00:04 |
| 1407 | TS | L/K/D | 66 | 200 | 00:00 |
| 1408 | TT | KITCHEN | 48 | 200 | 00:00 |
| 1409 | TT | LIVING ROOM | 102 | 150 | 00:34 |
| 1410 | TT | BEDROOM | 219 | 100 | 00:54 |
| 1411 | TT | BEDROOM | 200 | 100 | 00:00 |
| 1412 | TT | BEDROOM | 114 | 100 | 00:00 |
| 1413 | TU | BEDROOM | 126 | 100 | 00:00 |
| 1414 | TU | BEDROOM | 105 | 100 | 00:00 |
| 1415 | TU | L/K/D | 114 | 200 | 00:13 |
| 1416 | TV | BEDROOM | 56 | 100 | 00:00 |
| 1417 | TV | L/K/D | 58 | 200 | 00:02 |
| 1418 | TW | BEDROOM | 112 | 100 | 00:00 |
| 1419 | TW | BEDROOM | 68 | 100 | 00:00 |
| 1420 | TW | L/K/D | 70 | 200 | 00:36 |
| 1421 | TX | BEDROOM | 76 | 100 | 00:00 |
| 1422 | TX | L/K/D | 67 | 200 | 00:33 |
| 1423 | TY | BEDROOM | 137 | 100 | 00:00 |
| 1424 | TY | BEDROOM | 135 | 100 | 00:00 |
| 1425 | TY | L/K/D | 238 | 200 | 00:00 |
| 1426 | TZ | L/K/D | 229 | 200 | 00:52 |
| 1427 | TZ | BEDROOM | 101 | 100 | 01:44 |
| 1428 | TZ | BEDROOM | 193 | 100 | 04:45 |
| 1429 | UA | BEDROOM | 231 | 100 | 04:18 |
| 1430 | UA | L/K/D | 234 | 200 | 03:24 |
| 1431 | UB | BEDROOM | 207 | 100 | 05:11 |
| 1432 | UB | BEDROOM | 418 | 100 | 05:17 |
| 1433 | UC | L/K/D | 240 | 200 | 03:57 |
| 1434 | UC | BEDROOM | 157 | 100 | 02:24 |
| 1435 | UC | BEDROOM | 230 | 100 | 05:23 |
| 1436 | UD | BEDROOM | 228 | 100 | 03:36 |
| 1437 | UD | L/K/D | 260 | 200 | 05:41 |
| 1438 | UE | BEDROOM | 199 | 100 | 04:28 |
| 1439 | UE | BEDROOM | 132 | 100 | 02:52 |
| 1440 | UE | L/K/D | 164 | 200 | 06:01 |
| 1441 | UF | BEDROOM | 197 | 100 | 04:36 |
| 1442 | UF | BEDROOM | 203 | 100 | 02:58 |
| 1443 | UF | BEDROOM | 162 | 100 | 01:17 |
| 1444 | UF | LIVING ROOM | 614 | 150 | 08:25 |
| 1445 | UF | KITCHEN | 330 | 200 | 06:21 |
| 1446 | TQ | BEDROOM | 324 | 100 | 06:21 |

Table 36: Assessment Data


Fig. 43: Floor Plan

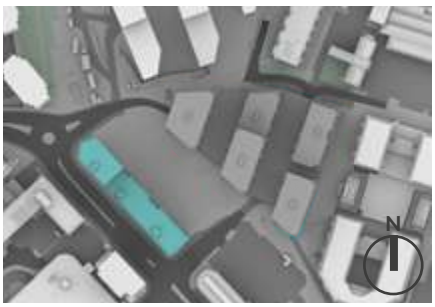


## Block K - Level 05

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKK - LEVEL 05 | | | | | |
| 1449 | UG | BEDROOM | 105 | 100 | 00:49 |
| 1450 | UG | BEDROOM | 158 | 100 | 00:39 |
| 1451 | UH | L/K/D | 166 | 200 | 01:37 |
| 1452 | UH | BEDROOM | 140 | 100 | 00:24 |
| 1453 | UH | BEDROOM | 155 | 100 | 00:18 |
| 1454 | UI | BEDROOM | 137 | 100 | 00:12 |
| 1455 | UI | BEDROOM | 248 | 100 | 00:04 |
| 1456 | UI | L/K/D | 70 | 200 | 00:00 |
| 1457 | UJ | KITCHEN | 51 | 200 | 00:00 |
| 1458 | UJ | LIVING ROOM | 109 | 150 | 00:34 |
| 1459 | UJ | BEDROOM | 238 | 100 | 00:54 |
| 1460 | UJ | BEDROOM | 210 | 100 | 00:00 |
| 1461 | UJ | BEDROOM | 123 | 100 | 00:00 |
| 1462 | UK | BEDROOM | 113 | 100 | 00:00 |
| 1463 | UK | BEDROOM | 81 | 100 | 00:00 |
| 1464 | UK | L/K/D | 106 | 200 | 00:13 |
| 1465 | UL | BEDROOM | 60 | 100 | 00:00 |
| 1466 | UL | L/K/D | 62 | 200 | 00:02 |
| 1467 | UM | BEDROOM | 119 | 100 | 00:00 |
| 1468 | UM | BEDROOM | 72 | 100 | 00:00 |
| 1469 | UM | L/K/D | 76 | 200 | 00:36 |
| 1470 | UN | BEDROOM | 81 | 100 | 00:00 |
| 1471 | UN | L/K/D | 75 | 200 | 00:33 |
| 1472 | UO | BEDROOM | 145 | 100 | 00:00 |
| 1473 | UO | BEDROOM | 143 | 100 | 00:00 |
| 1474 | UO | L/K/D | 249 | 200 | 00:00 |
| 1475 | UP | L/K/D | 242 | 200 | 00:52 |
| 1476 | UP | BEDROOM | 110 | 100 | 01:44 |
| 1477 | UP | BEDROOM | 220 | 100 | 04:45 |
| 1478 | UQ | BEDROOM | 261 | 100 | 04:18 |
| 1479 | UQ | L/K/D | 276 | 200 | 03:24 |
| 1480 | UR | BEDROOM | 233 | 100 | 05:11 |
| 1481 | UR | BEDROOM | 457 | 100 | 05:17 |
| 1482 | US | L/K/D | 261 | 200 | 03:57 |
| 1483 | US | BEDROOM | 176 | 100 | 02:24 |
| 1484 | US | BEDROOM | 252 | 100 | 05:23 |
| 1485 | UT | BEDROOM | 251 | 100 | 03:36 |
| 1486 | UT | L/K/D | 289 | 200 | 05:41 |
| 1487 | UU | BEDROOM | 227 | 100 | 04:28 |
| 1488 | UU | BEDROOM | 158 | 100 | 02:52 |
| 1489 | UU | L/K/D | 201 | 200 | 06:01 |
| 1490 | UV | BEDROOM | 238 | 100 | 04:36 |
| 1491 | UV | BEDROOM | 241 | 100 | 02:58 |
| 1492 | UV | BEDROOM | 205 | 100 | 01:17 |
| 1493 | UV | LIVING ROOM | 705 | 150 | 08:25 |
| 1494 | UV | KITCHEN | 358 | 200 | 06:21 |
| 1495 | UG | BEDROOM | 342 | 100 | 06:21 |

Table 37: Assessment Data


Fig. 44: Floor Plan

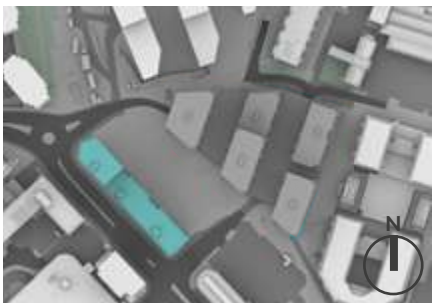


## Block K - Level 06

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKK - LEVEL 06 | | | | | |
| 1498 | UW | BEDROOM | 111 | 100 | 00:49 |
| 1499 | UW | BEDROOM | 165 | 100 | 00:39 |
| 1500 | UX | L/K/D | 150 | 200 | 01:37 |
| 1501 | UX | BEDROOM | 109 | 100 | 00:24 |
| 1502 | UX | BEDROOM | 140 | 100 | 00:18 |
| 1503 | UY | BEDROOM | 147 | 100 | 00:12 |
| 1504 | UY | BEDROOM | 268 | 100 | 00:10 |
| 1505 | UY | L/K/D | 78 | 200 | 00:00 |
| 1506 | UZ | KITCHEN | 60 | 200 | 00:00 |
| 1507 | UZ | LIVING ROOM | 122 | 150 | 00:42 |
| 1508 | UZ | BEDROOM | 254 | 100 | 01:09 |
| 1509 | UZ | BEDROOM | 225 | 100 | 00:00 |
| 1510 | UZ | BEDROOM | 130 | 100 | 00:00 |
| 1511 | VA | BEDROOM | 122 | 100 | 00:01 |
| 1512 | VA | BEDROOM | 87 | 100 | 00:03 |
| 1513 | VA | L/K/D | 132 | 200 | 00:47 |
| 1514 | VB | BEDROOM | 64 | 100 | 00:00 |
| 1515 | VB | L/K/D | 68 | 200 | 00:39 |
| 1516 | VC | BEDROOM | 132 | 100 | 00:00 |
| 1517 | VC | BEDROOM | 82 | 100 | 00:00 |
| 1518 | VC | L/K/D | 84 | 200 | 00:53 |
| 1519 | VD | BEDROOM | 91 | 100 | 00:00 |
| 1520 | VD | L/K/D | 82 | 200 | 00:40 |
| 1521 | VE | BEDROOM | 161 | 100 | 00:00 |
| 1522 | VE | BEDROOM | 158 | 100 | 00:00 |
| 1523 | VE | L/K/D | 267 | 200 | 00:00 |
| 1524 | VF | L/K/D | 266 | 200 | 00:58 |
| 1525 | VF | BEDROOM | 122 | 100 | 01:46 |
| 1526 | VF | BEDROOM | 256 | 100 | 04:35 |
| 1527 | VG | BEDROOM | 298 | 100 | 04:47 |
| 1528 | VG | L/K/D | 317 | 200 | 04:07 |
| 1529 | VH | BEDROOM | 254 | 100 | 06:04 |
| 1530 | VH | BEDROOM | 487 | 100 | 06:11 |
| 1531 | VI | L/K/D | 281 | 200 | 05:03 |
| 1532 | VI | BEDROOM | 189 | 100 | 03:30 |
| 1533 | VI | BEDROOM | 266 | 100 | 06:28 |
| 1534 | VJ | BEDROOM | 267 | 100 | 04:33 |
| 1535 | VJ | L/K/D | 316 | 200 | 06:28 |
| 1536 | VK | BEDROOM | 254 | 100 | 05:10 |
| 1537 | VK | BEDROOM | 181 | 100 | 03:30 |
| 1538 | VK | L/K/D | 234 | 200 | 06:28 |
| 1539 | VL | BEDROOM | 272 | 100 | 06:28 |
| 1540 | VL | BEDROOM | 278 | 100 | 05:10 |
| 1541 | VL | BEDROOM | 244 | 100 | 03:30 |
| 1542 | VL | LIVING ROOM | 784 | 150 | 11:02 |
| 1543 | VL | KITCHEN | 372 | 200 | 06:41 |
| 1544 | UW | BEDROOM | 363 | 100 | 06:41 |

Table 38: Assessment Data


Fig. 45: Floor Plan

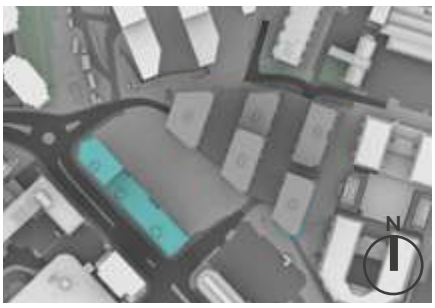


## Block K - Level 07

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKK - LEVEL 07 | | | | | |
| 1547 | VM | BEDROOM | 120 | 100 | 00:49 |
| 1548 | VM | BEDROOM | 179 | 100 | 00:39 |
| 1549 | VN | L/K/D | 161 | 200 | 01:37 |
| 1550 | VN | BEDROOM | 116 | 100 | 00:24 |
| 1551 | VN | BEDROOM | 150 | 100 | 00:18 |
| 1552 | VO | BEDROOM | 159 | 100 | 00:12 |
| 1553 | VO | BEDROOM | 292 | 100 | 00:10 |
| 1554 | VO | L/K/D | 83 | 200 | 00:00 |
| 1555 | VP | KITCHEN | 63 | 200 | 00:00 |
| 1556 | VP | LIVING ROOM | 128 | 150 | 00:42 |
| 1557 | VP | BEDROOM | 269 | 100 | 01:09 |
| 1558 | VP | BEDROOM | 235 | 100 | 00:00 |
| 1559 | VP | BEDROOM | 139 | 100 | 00:00 |
| 1560 | VQ | BEDROOM | 129 | 100 | 00:01 |
| 1561 | VQ | BEDROOM | 94 | 100 | 00:03 |
| 1562 | VQ | L/K/D | 142 | 200 | 00:47 |
| 1563 | VR | BEDROOM | 71 | 100 | 00:00 |
| 1564 | VR | L/K/D | 75 | 200 | 00:39 |
| 1565 | VS | BEDROOM | 141 | 100 | 00:00 |
| 1566 | VS | BEDROOM | 87 | 100 | 00:00 |
| 1567 | VS | L/K/D | 91 | 200 | 00:53 |
| 1568 | VT | BEDROOM | 99 | 100 | 00:00 |
| 1569 | VT | L/K/D | 89 | 200 | 00:40 |
| 1570 | VU | BEDROOM | 172 | 100 | 00:00 |
| 1571 | VU | BEDROOM | 169 | 100 | 00:00 |
| 1572 | VU | L/K/D | 282 | 200 | 00:00 |
| 1573 | VV | L/K/D | 279 | 200 | 00:58 |
| 1574 | VV | BEDROOM | 130 | 100 | 01:46 |
| 1575 | VV | BEDROOM | 274 | 100 | 04:35 |
| 1576 | VW | BEDROOM | 311 | 100 | 04:47 |
| 1577 | VW | L/K/D | 336 | 200 | 04:07 |
| 1578 | VX | BEDROOM | 265 | 100 | 06:04 |
| 1579 | VX | BEDROOM | 509 | 100 | 06:11 |
| 1580 | VY | L/K/D | 297 | 200 | 05:03 |
| 1581 | VY | BEDROOM | 203 | 100 | 03:30 |
| 1582 | VY | BEDROOM | 279 | 100 | 06:28 |
| 1583 | VZ | BEDROOM | 278 | 100 | 04:33 |
| 1584 | VZ | L/K/D | 336 | 200 | 06:28 |
| 1585 | WA | BEDROOM | 275 | 100 | 05:10 |
| 1586 | WA | BEDROOM | 203 | 100 | 03:30 |
| 1587 | WA | L/K/D | 257 | 200 | 06:28 |
| 1588 | WB | BEDROOM | 301 | 100 | 06:28 |
| 1589 | WB | BEDROOM | 305 | 100 | 05:10 |
| 1590 | WB | BEDROOM | 269 | 100 | 03:30 |
| 1591 | WB | LIVING ROOM | 821 | 150 | 11:02 |
| 1592 | WB | KITCHEN | 382 | 200 | 06:41 |
| 1593 | VM | BEDROOM | 373 | 100 | 06:41 |

Table 39: Assessment Data


Fig. 46: Floor Plan

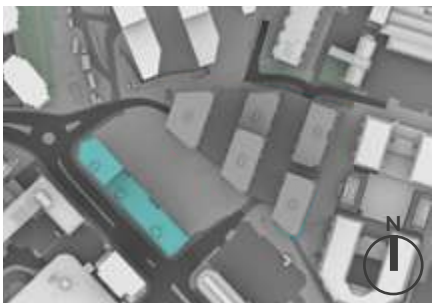


## Block K - Level 08

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKK - LEVEL 08 | | | | | |
| 1596 | WC | BEDROOM | 127 | 100 | 00:49 |
| 1597 | WC | BEDROOM | 190 | 100 | 00:39 |
| 1598 | WD | L/K/D | 173 | 200 | 01:37 |
| 1599 | WD | BEDROOM | 126 | 100 | 00:24 |
| 1600 | WD | BEDROOM | 160 | 100 | 00:18 |
| 1601 | WE | BEDROOM | 171 | 100 | 00:12 |
| 1602 | WE | BEDROOM | 312 | 100 | 00:10 |
| 1603 | WE | L/K/D | 87 | 200 | 00:00 |
| 1604 | WF | KITCHEN | 64 | 200 | 00:00 |
| 1605 | WF | LIVING ROOM | 135 | 150 | 00:42 |
| 1606 | WF | BEDROOM | 284 | 100 | 01:09 |
| 1607 | WF | BEDROOM | 254 | 100 | 00:00 |
| 1608 | WF | BEDROOM | 150 | 100 | 00:00 |
| 1609 | WG | BEDROOM | 138 | 100 | 00:01 |
| 1610 | WG | BEDROOM | 102 | 100 | 00:03 |
| 1611 | WG | L/K/D | 153 | 200 | 00:47 |
| 1612 | WH | BEDROOM | 77 | 100 | 00:00 |
| 1613 | WH | L/K/D | 80 | 200 | 00:39 |
| 1614 | WI | BEDROOM | 152 | 100 | 00:00 |
| 1615 | WI | BEDROOM | 93 | 100 | 00:00 |
| 1616 | WI | L/K/D | 98 | 200 | 00:53 |
| 1617 | WJ | BEDROOM | 107 | 100 | 00:00 |
| 1618 | WJ | L/K/D | 95 | 200 | 00:40 |
| 1619 | WK | BEDROOM | 186 | 100 | 00:00 |
| 1620 | WK | BEDROOM | 180 | 100 | 00:00 |
| 1621 | WK | L/K/D | 296 | 200 | 00:00 |
| 1622 | WL | L/K/D | 293 | 200 | 00:58 |
| 1623 | WL | BEDROOM | 137 | 100 | 01:46 |
| 1624 | WL | BEDROOM | 286 | 100 | 04:35 |
| 1625 | WM | BEDROOM | 323 | 100 | 04:47 |
| 1626 | WM | L/K/D | 355 | 200 | 04:07 |
| 1627 | WN | BEDROOM | 280 | 100 | 06:04 |
| 1628 | WN | BEDROOM | 531 | 100 | 06:11 |
| 1629 | WO | L/K/D | 307 | 200 | 05:03 |
| 1630 | WO | BEDROOM | 213 | 100 | 03:30 |
| 1631 | WO | BEDROOM | 295 | 100 | 06:28 |
| 1632 | WP | BEDROOM | 294 | 100 | 04:33 |
| 1633 | WP | L/K/D | 355 | 200 | 06:28 |
| 1634 | WQ | BEDROOM | 290 | 100 | 05:10 |
| 1635 | WQ | BEDROOM | 216 | 100 | 03:30 |
| 1636 | WQ | L/K/D | 275 | 200 | 06:28 |
| 1637 | WR | BEDROOM | 321 | 100 | 06:28 |
| 1638 | WR | BEDROOM | 321 | 100 | 05:10 |
| 1639 | WR | BEDROOM | 285 | 100 | 03:30 |
| 1640 | WR | LIVING ROOM | 841 | 150 | 11:02 |
| 1641 | WR | KITCHEN | 388 | 200 | 06:41 |
| 1642 | WC | BEDROOM | 380 | 100 | 06:41 |

Table 40: Assessment Data


Fig. 47: Floor Plan

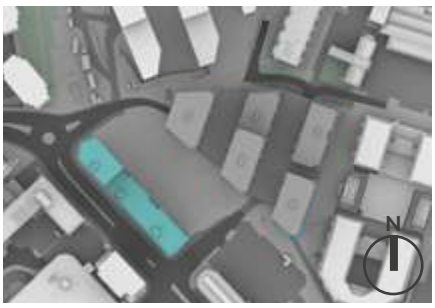


## Block K - Level 09

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKK - LEVEL 09 | | | | | |
| 1645 | WS | BEDROOM | 202 | 100 | 00:49 |
| 1646 | WS | BEDROOM | 215 | 100 | 00:39 |
| 1647 | WT | L/K/D | 210 | 200 | 01:37 |
| 1648 | WT | BEDROOM | 204 | 100 | 00:24 |
| 1649 | WT | BEDROOM | 183 | 100 | 00:18 |
| 1650 | WU | BEDROOM | 185 | 100 | 00:12 |
| 1651 | WU | BEDROOM | 357 | 100 | 00:10 |
| 1652 | WU | L/K/D | 144 | 200 | 00:00 |
| 1653 | WV | KITCHEN | 105 | 200 | 00:00 |
| 1654 | WV | LIVING ROOM | 229 | 150 | 00:42 |
| 1655 | WV | BEDROOM | 338 | 100 | 01:09 |
| 1656 | WV | BEDROOM | 270 | 100 | 00:00 |
| 1657 | WV | BEDROOM | 157 | 100 | 00:00 |
| 1658 | WW | BEDROOM | 154 | 100 | 00:01 |
| 1659 | WW | BEDROOM | 168 | 100 | 00:03 |
| 1660 | WW | L/K/D | 200 | 200 | 00:47 |
| 1661 | WX | BEDROOM | 132 | 100 | 00:00 |
| 1662 | WX | L/K/D | 130 | 200 | 00:39 |
| 1663 | WY | BEDROOM | 161 | 100 | 00:00 |
| 1664 | WY | BEDROOM | 99 | 100 | 00:00 |
| 1665 | WY | L/K/D | 106 | 200 | 00:53 |
| 1666 | WZ | BEDROOM | 117 | 100 | 00:00 |
| 1667 | WZ | L/K/D | 101 | 200 | 00:40 |
| 1668 | XA | BEDROOM | 198 | 100 | 00:00 |
| 1669 | XA | BEDROOM | 196 | 100 | 00:00 |
| 1670 | XA | L/K/D | 311 | 200 | 00:00 |
| 1671 | XB | L/K/D | 308 | 200 | 00:58 |
| 1672 | XB | BEDROOM | 144 | 100 | 01:46 |
| 1673 | XB | BEDROOM | 300 | 100 | 04:35 |
| 1674 | XC | BEDROOM | 332 | 100 | 04:47 |
| 1675 | XC | L/K/D | 368 | 200 | 04:07 |
| 1676 | XD | BEDROOM | 288 | 100 | 06:04 |
| 1677 | XD | BEDROOM | 545 | 100 | 06:11 |
| 1678 | XE | L/K/D | 363 | 200 | 05:03 |
| 1679 | XE | BEDROOM | 297 | 100 | 03:30 |
| 1680 | XE | BEDROOM | 320 | 100 | 06:28 |
| 1681 | XF | BEDROOM | 324 | 100 | 04:33 |
| 1682 | XF | L/K/D | 431 | 200 | 06:28 |
| 1683 | XG | BEDROOM | 321 | 100 | 05:10 |
| 1684 | XG | BEDROOM | 305 | 100 | 03:30 |
| 1685 | XG | L/K/D | 322 | 200 | 06:28 |
| 1686 | XH | BEDROOM | 336 | 100 | 06:28 |
| 1687 | XH | BEDROOM | 349 | 100 | 05:10 |
| 1688 | XH | BEDROOM | 410 | 100 | 03:30 |
| 1689 | XH | LIVING ROOM | 957 | 150 | 11:02 |
| 1690 | XH | KITCHEN | 397 | 200 | 06:41 |
| 1691 | WS | BEDROOM | 389 | 100 | 06:41 |

Table 41: Assessment Data


Fig. 48: Floor Plan



## Block K - Level 10

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKK - LEVEL 10 | | | | | |
| 1694 | XI | BEDROOM | 566 | 100 | 05:50 |
| 1695 | XI | BEDROOM | 108 | 100 | 00:15 |
| 1696 | XI | L/K/D | 114 | 200 | 01:19 |
| 1697 | XJ | BEDROOM | 128 | 100 | 00:14 |
| 1698 | XJ | L/K/D | 109 | 200 | 01:11 |
| 1699 | XK | BEDROOM | 210 | 100 | 00:18 |
| 1700 | XK | BEDROOM | 209 | 100 | 00:20 |
| 1701 | XK | L/K/D | 329 | 200 | 00:22 |
| 1702 | XL | L/K/D | 324 | 200 | 01:43 |
| 1703 | XL | BEDROOM | 155 | 100 | 02:26 |
| 1704 | XL | BEDROOM | 313 | 100 | 05:16 |
| 1705 | XM | BEDROOM | 342 | 100 | 04:48 |
| 1706 | XM | L/K/D | 806 | 200 | 09:53 |

Table 42: Assessment Data

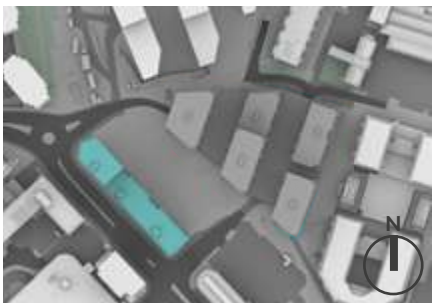

Fig. 49: Floor Plan

## Block K - Level 11

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKK - LEVEL 11 | | | | | |
| 1707 | XN | BEDROOM | 616 | 100 | 05:50 |
| 1708 | XN | BEDROOM | 116 | 100 | 00:15 |
| 1709 | XN | L/K/D | 122 | 200 | 01:19 |
| 1710 | XO | BEDROOM | 138 | 100 | 00:14 |
| 1711 | XO | L/K/D | 118 | 200 | 01:11 |
| 1712 | XP | BEDROOM | 223 | 100 | 00:18 |
| 1713 | XP | BEDROOM | 221 | 100 | 00:20 |
| 1714 | XP | L/K/D | 347 | 200 | 00:22 |
| 1715 | XQ | L/K/D | 345 | 200 | 01:43 |
| 1716 | XQ | BEDROOM | 164 | 100 | 02:26 |
| 1717 | XQ | BEDROOM | 323 | 100 | 05:16 |
| 1718 | XR | BEDROOM | 351 | 100 | 04:48 |
| 1719 | XR | L/K/D | 843 | 200 | 09:53 |

Table 43: Assessment Data


Fig. 50: Floor Plan

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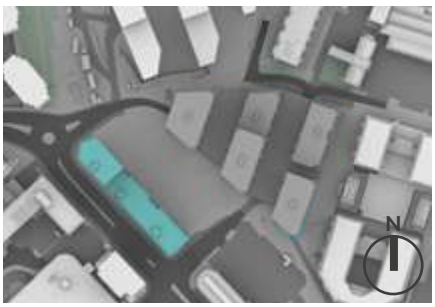
## Block K - Level 12

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKK - LEVEL 12 | | | | | |
| 1720 | XS | BEDROOM | 644 | 100 | 05:50 |
| 1721 | XS | BEDROOM | 125 | 100 | 00:15 |
| 1722 | XS | L/K/D | 130 | 200 | 01:19 |
| 1723 | XT | BEDROOM | 150 | 100 | 00:14 |
| 1724 | XT | L/K/D | 127 | 200 | 01:11 |
| 1725 | XU | BEDROOM | 237 | 100 | 00:18 |
| 1726 | XU | BEDROOM | 234 | 100 | 00:20 |
| 1727 | XU | L/K/D | 365 | 200 | 00:22 |
| 1728 | XV | L/K/D | 363 | 200 | 01:43 |
| 1729 | XV | BEDROOM | 175 | 100 | 02:26 |
| 1730 | XV | BEDROOM | 337 | 100 | 05:16 |
| 1731 | XW | BEDROOM | 360 | 100 | 04:48 |
| 1732 | XW | L/K/D | 864 | 200 | 09:53 |

Table 44: Assessment Data


Fig. 51: Floor Plan

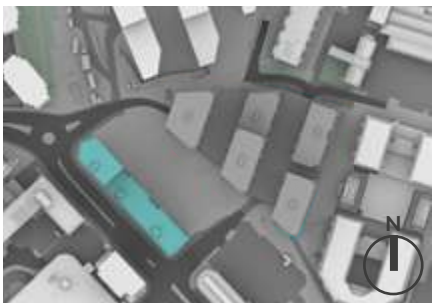


## Block K - Level 13

| | | | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| ROOM REF. | FLAT | ROOM USE | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKK - LEVEL 13 | | | | | |
| 1733 | XX | BEDROOM | 673 | 100 | 05:50 |
| 1734 | XX | BEDROOM | 136 | 100 | 00:15 |
| 1735 | XX | L/K/D | 142 | 200 | 01:19 |
| 1736 | XY | BEDROOM | 160 | 100 | 00:14 |
| 1737 | XY | L/K/D | 138 | 200 | 01:11 |
| 1738 | XZ | BEDROOM | 249 | 100 | 00:18 |
| 1739 | XZ | BEDROOM | 246 | 100 | 00:20 |
| 1740 | XZ | L/K/D | 387 | 200 | 00:22 |
| 1741 | YA | L/K/D | 382 | 200 | 01:43 |
| 1742 | YA | BEDROOM | 182 | 100 | 02:26 |
| 1743 | YA | BEDROOM | 348 | 100 | 05:16 |
| 1744 | YB | BEDROOM | 364 | 100 | 04:48 |
| 1745 | YB | L/K/D | 882 | 200 | 09:53 |

Table 45: Assessment Data


Fig. 52: Floor Plan

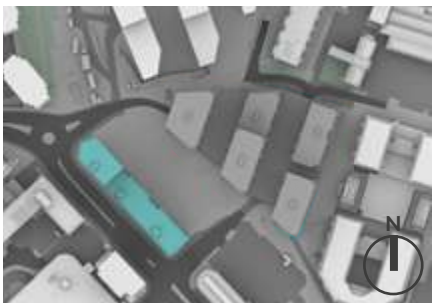


## Block K - Level 14

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKK - LEVEL 14 | | | | | |
| 1746 | YC | BEDROOM | 695 | 100 | 05:50 |
| 1747 | YC | BEDROOM | 148 | 100 | 00:15 |
| 1748 | YC | L/K/D | 155 | 200 | 01:19 |
| 1749 | YD | BEDROOM | 170 | 100 | 00:14 |
| 1750 | YD | L/K/D | 151 | 200 | 01:11 |
| 1751 | YE | BEDROOM | 260 | 100 | 00:18 |
| 1752 | YE | BEDROOM | 258 | 100 | 00:20 |
| 1753 | YE | L/K/D | 410 | 200 | 00:22 |
| 1754 | YF | L/K/D | 399 | 200 | 01:43 |
| 1755 | YF | BEDROOM | 193 | 100 | 02:26 |
| 1756 | YF | BEDROOM | 356 | 100 | 05:16 |
| 1757 | YG | BEDROOM | 374 | 100 | 04:48 |
| 1758 | YG | L/K/D | 899 | 200 | 09:53 |

Table 46: Assessment Data


Fig. 53: Floor Plan

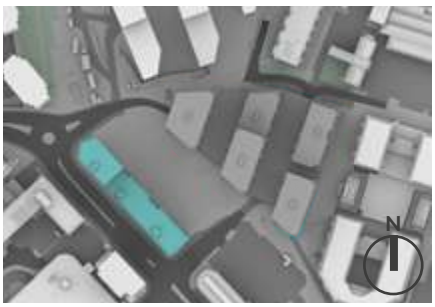


## Block K - Level 15

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKK - LEVEL 15 | | | | | |
| 1759 | YH | BEDROOM | 709 | 100 | 05:50 |
| 1760 | YH | BEDROOM | 159 | 100 | 00:15 |
| 1761 | YH | L/K/D | 166 | 200 | 01:19 |
| 1762 | YI | BEDROOM | 178 | 100 | 00:14 |
| 1763 | YI | L/K/D | 161 | 200 | 01:11 |
| 1764 | YJ | BEDROOM | 273 | 100 | 00:18 |
| 1765 | YJ | BEDROOM | 270 | 100 | 00:20 |
| 1766 | YJ | L/K/D | 430 | 200 | 00:22 |
| 1767 | YK | L/K/D | 417 | 200 | 01:43 |
| 1768 | YK | BEDROOM | 202 | 100 | 02:26 |
| 1769 | YK | BEDROOM | 365 | 100 | 05:16 |
| 1770 | YL | BEDROOM | 379 | 100 | 04:48 |
| 1771 | YL | L/K/D | 912 | 200 | 09:53 |

Table 47: Assessment Data


Fig. 54: Floor Plan

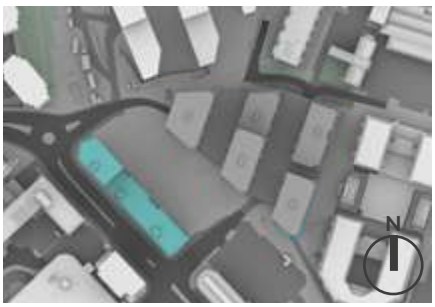


## Block K - Level 16

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKK - LEVEL 16 | | | | | |
| 1772 | YM | BEDROOM | 727 | 100 | 06:39 |
| 1773 | YM | BEDROOM | 167 | 100 | 01:08 |
| 1774 | YM | L/K/D | 176 | 200 | 02:13 |
| 1775 | YN | BEDROOM | 186 | 100 | 01:08 |
| 1776 | YN | L/K/D | 168 | 200 | 02:05 |
| 1777 | YO | BEDROOM | 283 | 100 | 01:01 |
| 1778 | YO | BEDROOM | 280 | 100 | 00:53 |
| 1779 | YO | L/K/D | 451 | 200 | 01:09 |
| 1780 | YP | L/K/D | 432 | 200 | 03:07 |
| 1781 | YP | BEDROOM | 210 | 100 | 03:49 |
| 1782 | YP | BEDROOM | 373 | 100 | 06:28 |
| 1783 | YQ | BEDROOM | 387 | 100 | 05:32 |
| 1784 | YQ | L/K/D | 918 | 200 | 10:59 |

Table 48: Assessment Data


Fig. 55: Floor Plan

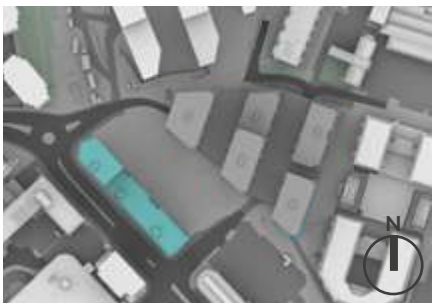


## Block K - Level 17

| ROOM REF. | FLAT | ROOM USE | DAYLIGHT | | SUNLIGHT |
|---|---|---|---|---|---|
| | | | MEDIAN DAYLIGHT ILLUMINANCE (lux) | TARGET (lux) | BY ROOM 21 MAR |
| BLOCKK - LEVEL 17 | | | | | |
| 1785 | YR | BEDROOM | 743 | 100 | 06:39 |
| 1786 | YR | BEDROOM | 215 | 100 | 01:08 |
| 1787 | YR | L/K/D | 226 | 200 | 02:13 |
| 1788 | YS | BEDROOM | 258 | 100 | 01:08 |
| 1789 | YS | L/K/D | 216 | 200 | 02:05 |
| 1790 | YT | BEDROOM | 295 | 100 | 01:01 |
| 1791 | YT | BEDROOM | 289 | 100 | 00:53 |
| 1792 | YT | L/K/D | 570 | 200 | 01:09 |
| 1793 | YU | L/K/D | 514 | 200 | 03:07 |
| 1794 | YU | BEDROOM | 264 | 100 | 03:49 |
| 1795 | YU | BEDROOM | 379 | 100 | 06:28 |
| 1796 | YV | BEDROOM | 408 | 100 | 05:32 |
| 1797 | YV | L/K/D | 1091 | 200 | 10:59 |

Table 49: Assessment Data


Fig. 56: Floor Plan

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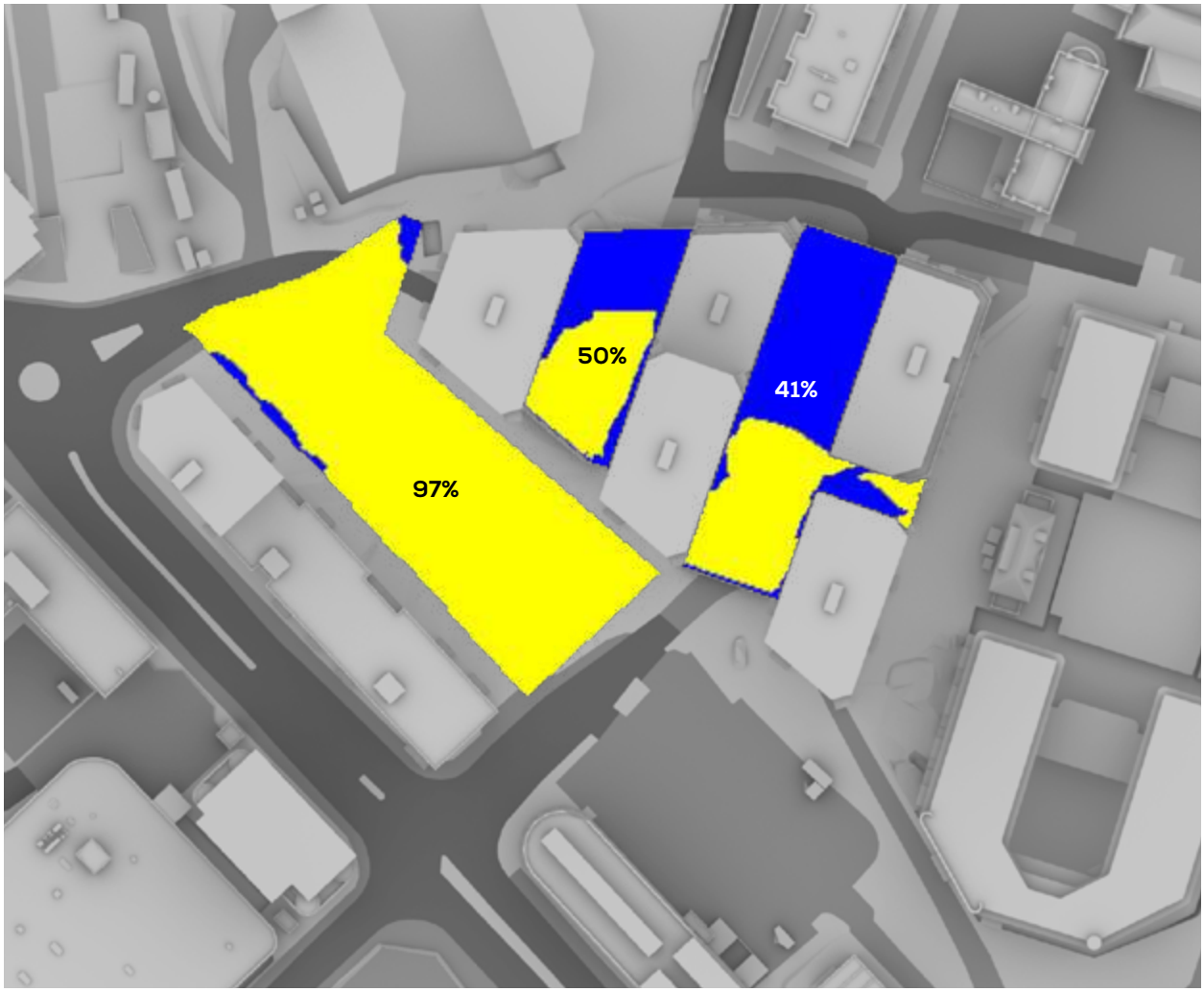
# 8 OVERSHADOWING ASSESSMENTS

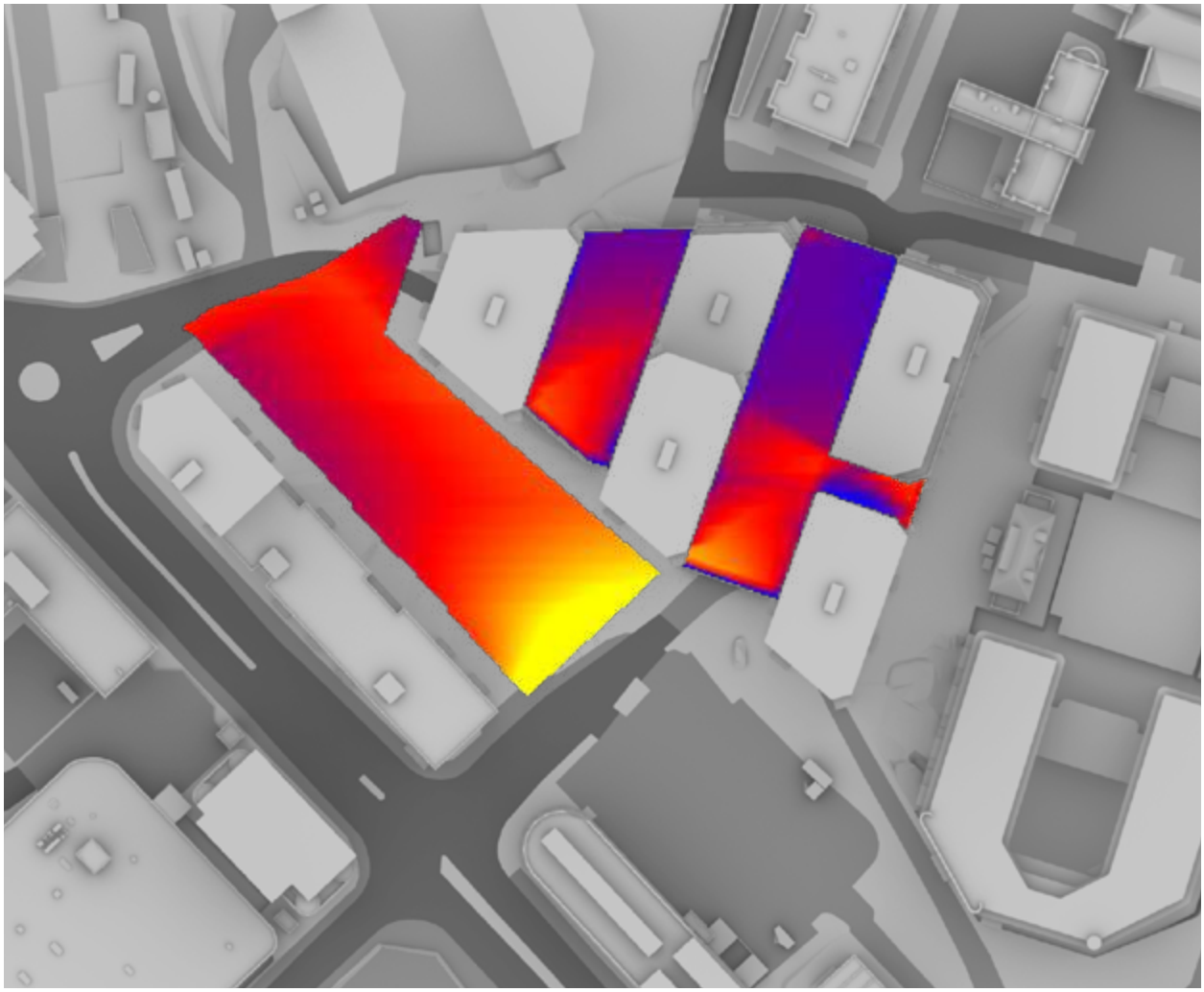
## OVERSHADOWING ASSESSMENT - OPEN SPACES
**SUN HOURS ON GROUND - BRE TEST**




(BRE RECOMMENDS 2+ HOURS OF SUNLIGHT ON 21ST MARCH FOR AT LEAST 50% OF THE OPEN SPACE)

**SUN HOURS ON GROUND**
BRE TEST - 21ST MARCH

## OVERSHADOWING ASSESSMENT - OPEN SPACES
## SUN EXPOSURE ON GROUND - 21ST MARCH (SPRING EQUINOX)



**SUN EXPOSURE**
TOTAL HOURS

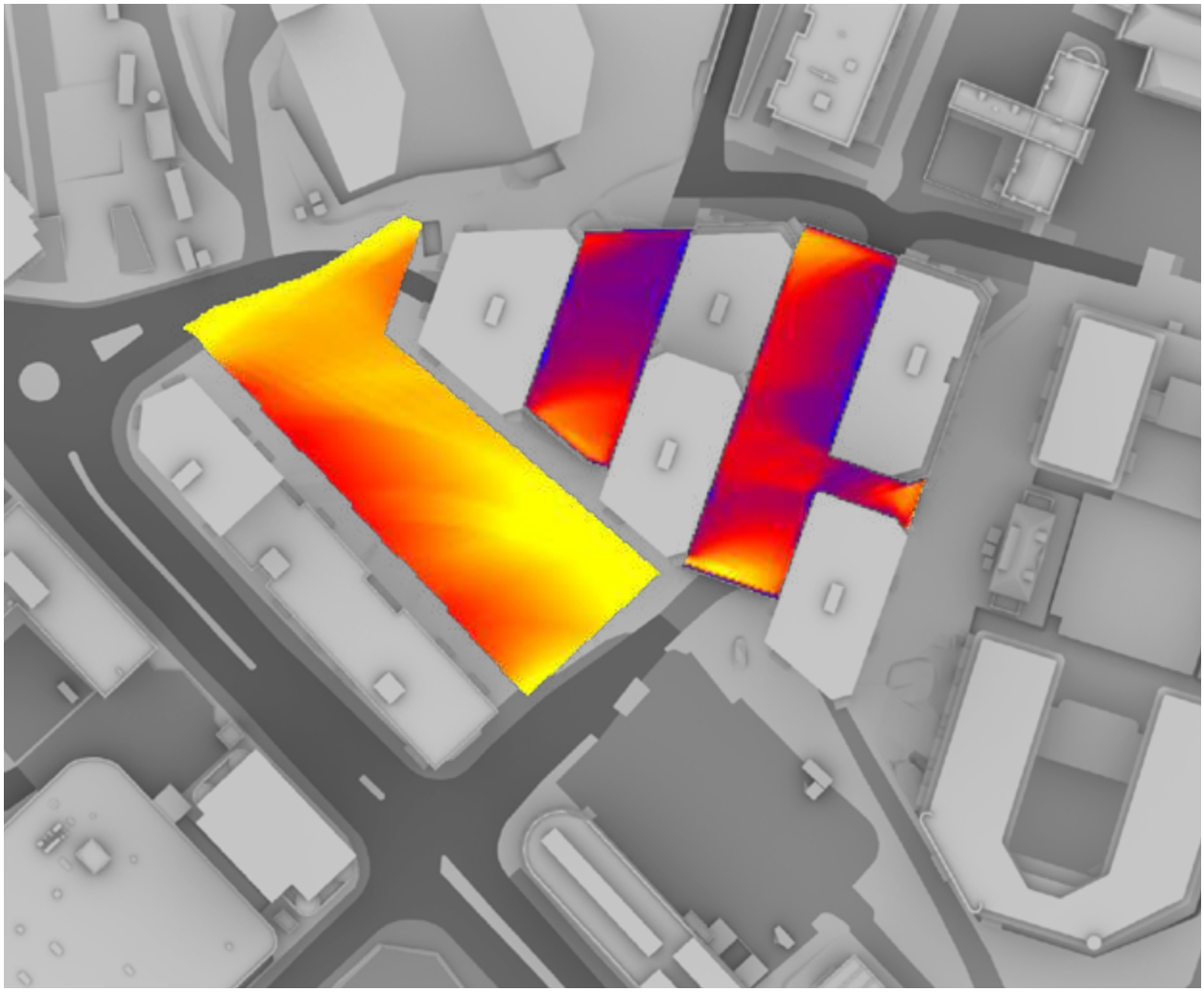

**21st MARCH**
**(SPRING EQUINOX)**

**LONDON**

| | |
|---|---|
| Latitude: | 51.15 |
| Longitude: | 0.0 |
| Sunrise: | 06:02 GMT |
| Sunset: | 18:14 GMT |

**Total Available Sunlight:**
12hrs 12mins

## OVERSHADOWING ASSESSMENT - OPEN SPACES
### SUN EXPOSURE ON GROUND - 21ST JUNE (SUMMER SOLSTICE)



**SUN EXPOSURE**
TOTAL HOURS


**21st JUNE**
**(SUMMER SOLSTICE)**

**LONDON**

| | |
|---|---|
| Latitude: | 51.15 |
| Longitude: | 0.0 |
| Sunrise: | 04:43 BST |
| Sunset: | 21:21 BST |

**Total Available Sunlight:**
16hrs 38mins

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