gia
CHARTERED SURVEYORS

# DAYLIGHT & SUNLIGHT

## INTERNAL DAYLIGHT, SUNLIGHT AND OVERSHADOWING REPORT

**Dundrum Central SHD**

**15 March 2022**

GIA No: **17967**

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# 1 EXECUTIVE SUMMARY

The purpose of this report is to ascertain whether the proposed development will provide residential accommodation considered acceptable in terms of daylight and sunlight.

GIA has worked comprehensively with the architects throughout the design process to ensure the scheme performs as well as possible in terms of daylight and sunlight amenity. This has resulted in a number of design strategies being incorporated to maximise daylight and sunlight ingress, as discussed in section 5.1.

The technical assessment has considered a large sample of the proposed accommodation within the SHD scheme. Approximately 940 units out of the total 977 have been tested. Blocks 02 (referred as A and B in this report), 03, 04, 05, 06 and 07 have been fully modelled and assessed. For Blocks 02B, 01, 08, 09, 11 and 12, as block typologies repeat, only parts of the blocks have been tested. Additional assessments have also been provided for the future masterplan scheme. These are presented in sections 9 to 11 of this report and briefly discussed in section 5.4. Therefore, the discussion of the results focuses on the SHD application.

The results show that the proposed SHD scheme makes the most of the available daylight with 91% (2240 out of 2467) of the tested proposed habitable rooms meeting or exceeding the levels of Average Daylight Factor (ADF) recommended by the BRE which is considered excellent for a masterplan. The few shortfalls that occur are located in the more restricted façades and are mostly caused by the provision of projecting 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 required 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 v daylight and sunlight amenity) which occurs throughout urban locations and is generally deemed acceptable.

The No Sky Line (NSL) levels are very good with 92% of all habitable rooms meeting the recommended levels. This means that the vast majority of the habitable rooms have a good view of the sky.

In sunlight terms, all living rooms with a main window facing within 90 degrees of due south, and therefore with an expectation of sunlight, have been tested for Annual and Winter Probable Sunlight Hours. The results show that 79% of the tested main habitable rooms will meet or exceed both APSH and WPSH recommendation. In the winter period, when sunlight is mostly appreciated, 88% of the assessed living rooms meet or exceed the minimum winter sunlight target.

For overshadowing within the site, all of the tested areas but two of the courtyards see two or more hours of direct sunlight on 21st March. During the spring and summer months, all communal amenity areas see excellent levels of direct sunlight. Overall, we consider future residents will have access to a variety of well sunlit open spaces throughout the year across the site.

We therefore conclude that the proposed SHD scheme makes the most of the available daylight and sunlight, and the design team have responded to the challenges inherent to a masterplan with optimised layouts, whilst balancing privacy, thermal comfort and private amenity provision. The achieved levels of daylight and sunlight are overall excellent for a scheme of this nature. As such, we consider that the scheme offers future residents acceptable levels of daylight and sunlight amenity.

# 2 INTRODUCTION

GIA has been instructed to provide a report upon the potential availability of Daylight and Sunlight to the proposed accommodation within the residential scheme prepared by Reddy Architecture + Urbanism. GIA was specifically instructed to carry out the following:

- To create a 3D computer model of the proposal based upon drawings prepared by Reddy Architecture + Urbanism.
- Carry out a daylight assessment using the methodologies set out in the BRE guidance for Average Daylight Factor, No-Sky Line and Room Depth Criterion.
- Carry out a sunlight assessment using the methodologies set out in the BRE guidance for Annual Probable Sunlight Hours (APSH) to the fenestration facing within 90° of due south.
- Carry out an overshadowing assessment using the methodology set out in the BRE guidance for Sun Hours On Ground (SHOG) for all relevant amenity areas.
- Prepare a report setting out the analysis and our findings.

# 3 DAYLIGHT AND SUNLIGHT GUIDELINES

## BRE and EN 17037:2018

The Building Research Establishment (BRE) have set out in their handbook 'Site Layout Planning for Daylight and Sunlight a Guide to Good Practice (2011)', guidelines and methodology for the measurement and assessment of daylight and sunlight within proposed buildings.

This document states that it is intended to be used in conjunction with the daylight recommendations found within the British Standard BS8206-2:2008 and The Applications Manual on Window Design of the Chartered Institution of Building Services Engineers (CIBSE. 1999).

The guide also provides advice on site layout planning to determine the quality of daylight and sunlight within open spaces between buildings.

It is important to note, however, that this document is a guide and states that its aim *"is to help rather than constrain the designer"*.

The document provides advice, but also clearly states that it *"is not mandatory and this document should not be seen as an instrument of planning policy."* The report also acknowledges in its introduction that *"in special circumstances the developer or planning authority may wish to use different target values. For example, in a historic city centre a higher degree of obstruction may be unavoidable if new developments are to match the height and proportions of existing buildings."*

It is an inevitable consequence of the built-up urban environment that daylight and sunlight will be more limited in these areas. It is well acknowledged that in such situations there may be many other conflicting and potentially more important planning and urban design matters to consider other than just the provision of ideal levels of daylight and sunlight.

In May 2019 the British Standard BS8206-2:2008 was superseded by the new European Standard on daylight "BS EN 17037:2018 Daylight in buildings". The Standard adopts a new methodology for testing daylight and sunlight in proposed developments based on climatic data as opposed the 'Standard CIE overcast sky' adopted in BS8206-2:2008, and also includes views out and glare.

Following on from the review of the European Standard by a dedicated commission of UK experts (which included the author of the BRE BR209 guidance Dr. Paul Littlefair), 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 BS8206-2:2008.

BRE is currently looking to update and re-publish BR209 to align their guidance with the new BS EN 17037:2018 in 2020. Until then, the position of BRE can be summarised from a post by Dr. Littlefair on the LinkedIn Planning Daylight & Sunlight Group (BRE BR209): *"Until BR 209 is rewritten, we are adopting a flexible approach to applying the two standards, for example in assessing the daylight and sunlight available in new buildings. So, for example, if we were reviewing a daylight report for a local authority, we would consider it reasonable to accept either average daylight factor tables using BS 8206 or median daylight factors/median illuminance calculated using EN 17037, provided they were calculated and presented properly".*

The BRE guidance is still considered a valid methodology for assessing daylighting in Ireland. The methodology set out in the BRE guidance is referred to by some Planning Authority guidelines, such as the Sustainable Urban Housing: Design Standards for new Apartments, 2020 which states in section 6.6:

*"Planning authorities should have regard to quantitative performance approaches to daylight provision outlined in guides like the BRE guide 'Site Layout Planning for Daylight and Sunlight' (2nd edition) or BS 8206-2: 2008 – 'Lighting for Buildings – Part 2: Code of Practice for Daylighting' when undertaken by development proposers which offer the capability to satisfy minimum standards of daylight provision"*

Therefore, the assessments within this report are carried out based on the criteria and methodology set out in BRE BR209 and BS8206-2:2008 primarily. However, the EN 17037:2018 has also been considered, as has the BS EN 17037:2018. Additional assessments, based on these standards, have been carried out for a selection of the proposed habitable rooms, as detailed in the methodology section and presented in Appendix A.

It is also worth noting that Paragraph 6.7 of the Design Standards for new Apartments, 2020 goes on to explain that; *"where an applicant cannot fully*

*meet all of the requirements of the daylight provisions above, this must be clearly identified and a rationale for any alternative, compensatory design solutions must be set out, which planning authorities should apply their discretion in accepting. This may arise due to design constraints associated with the site or location and the balancing of that assessment against the desirability of achieving wider planning objectives. Such objectives might include securing comprehensive urban regeneration and or an effective urban design and street scape solution."*

Section 5.4 in this report outlines the compensatory measures and design solutions adopted where any of the requirements are not fully met.

## 3.1 BRE

## DAYLIGHT

The BRE set out various methods for assessing the daylight within a proposed building within section 2.1 and Appendix C of the handbook. These are summarised below.

**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. Appendix C of the guide goes into more detail on these matters and sets forward alternative methods for assessment to overcome these limitations.

Appendix C of the BRE guide: Interior Daylighting Recommendations, states:

*"The British Standard Code of practice for daylighting (BS 8206-2) and the CIBSE Lighting Guide LG 10 Daylighting and window design contain advice and guidance on interior daylighting. The guidance contained in this publication (BR 209) is intended to be used with BS 8206-2 and LG 10. Both these publications refer to BR 209.*

*For skylight BS 8206-2 and LG 10 put forward three main criteria, based on average daylight factor (ADF); room depth; and the position of the no sky line."*

These assessments are set out below.

**Average Daylight Factor (ADF)**

*"If a predominantly daylit appearance is required, then the ADF should be 5% or more if there is no supplementary electric lighting, or 2% or more if supplementary electric lighting is provided. There are additional recommendations for dwellings of 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. These additional recommendations are minimum values of ADF which should be attained even if a predominantly daylit appearance is not achievable."*

This method of assessment takes into account the total glazed area to the room, the transmittance quality of the glazing proposed, the total area of the room surfaces including ceilings and floors, and the internal average reflectance for the room being assessed. The method also takes into account the Vertical Sky Component and the quantum of reflected light off external surfaces.

This is, therefore, a significantly more detailed method of assessment than the Vertical Sky Component method set out above.

**Room Depth Criterion (RDC)**

Where it has access to daylight from windows in one wall only, the depth of a room can become a factor in determining the quantity of light within it. The BRE guidance provides a simple method for examining the ratio of room depth to window area. However, whilst it does take into account internal surface reflections, this method also has significant limitations in that it does not take into account any obstructions outside

the window and therefore draws no input from the quantity of light entering the room.

**No Sky Line (NSL)**

This third method of assessment is a simple test to establish where within the proposed room the sky will be visible through the windows, taking into account external obstructions. The assessment is undertaken at working plane height (850mm above floor level) and the method of calculation is set out in Appendix D of the BRE handbook.

Appendix C of the BRE handbook states *"If a significant area of the working plane (normally more than 20%) lies beyond the no sky line (ie it receives no direct skylight) then the distribution of daylight in the room will look poor and supplementary electric lighting will be required."* To guarantee a satisfactory daylight uniformity, the area which does not receive direct skylight should not exceed 20% of the floor area, as quantified in the BS 8206 Part 2 2008.

**Summary**

The Average Daylight Factor gives a more detailed assessment of the daylight within a room and takes into account the highest number of factors in establishing a quantitative output.

However, the conclusion of Appendix C of the BRE guide states:

*"[All three of] the criteria need to be satisfied if the whole of the room is to look adequately daylit. Even if the amount of daylight in a room (given by the Average Daylight Factor) is sufficient, the overall daylight appearance will be impaired if its distribution is poor."*

In most urban areas it is important to recognise that the distribution of daylight within a room may be difficult to achieve, given the built-up nature of the environment. Consequently, most local authorities seek to ensure that there is sufficient daylight within the room as determined by the Average Daylight Factor calculation. However, the additional recommendations of the BRE and British Standard for residential accommodation, set out above, ought not to be overlooked.

## 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 minimizing 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 82606-2 criterion of Annual Probable Sunlight Hours. APSH is defined as *"the total number of hours in the year that the sun is expected to shine on unobstructed ground, allowing for average levels of cloudiness at the location in question."* In line with the recommendation, APSH is measured from a point on the inside face of the window, should the locations have been decided. If these are unknown, sunlight availability is checked at points 1.6m above the ground or the lowest storey level on each main window wall, and no more than 5m apart. If a room has multiple windows on the same wall or on adjacent walls, the highest value of APSH should be taken into account. If a room has two windows on opposite walls, the APSH for each can be added together.

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*

- *The centre of at least one window to a main living room can receive 25% of annual probable sunlight hours, including at least 5% of annual probable sunlight hours in the winter months between 21 September and 21 March. "*

In paragraph 3.1.11 the BRE guidance suggests that if a room faces significantly North of due East or West it is unlikely to meet the recommended levels proposed by the BS 8206-2. As such, it is clear that only windows facing within 90 degrees of due South can be assessed using this methodology.

It is also worth noting how paragraph 5.3 of the BS 8206-2 suggests that with regards to sunlight duration *"the degree of satisfaction is related to the expectation of sunlight. If a room is necessarily north facing or if the building is in a densely-built urban area, the absence of sunlight is more acceptable than when its exclusion seems arbitrary"*.

## 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 buildings has an important impact on the overall appearance and ambiance 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 which can receive two hours of sun on 21 March is less than 0.8 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."*

## 3.2 EN 17037:2018

The methodology for testing daylight and sunlight set out by the European Standard "EN 17037:2018 Daylight in buildings" is based on climatic data.

The EN 17037:2018 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.

Climate Based Daylight Modelling (CBDM) is the prediction of 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).

This is in contrast to the ADF approach, which does not consider the building's location, orientation, or sunlight. Climate-based modelling is therefore a more realistic predictive measure of the variability and distribution of daylight illumination.

In relation to sunlight access, the assessment approach is relatively simplistic compared with the methodologies outlined within the BRE guidance and considers the hours of sunlight reaching a window on a particular date. This is discussed further below.

## DAYLIGHTING

The following methods to assess daylight provision to the interior of a rooms are suggested within EN 17037:2018:

Method 1) Calculation of median daylight factors on the reference plane. Annex A specifies minimum values for daylight factors on the entire reference plane and/or part of it.

Method 2) Calculation of indoor illuminances on the reference plane on a short time step (0.5 h or one hour) using validated software and climatic data for the given site. Annex A proposes values of target illuminances and minimum target illuminances to exceed 50 % of daylight hours.

For method 2, calculations are undertaken to ascertain the illuminance at each point of a room working plane for every hour of the year. This is considered to be the most accurate approach when using climate data, however, it provides a very large amount of data for each room, which then needs to be interrogated. One of the methodologies that can be used to interrogate this data is Spatial Daylight Autonomy (sDA) and this is recommended within EN 17037:2018.

**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.

EN 17037:2018 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 BS EN 17037:2018 National Annex suggests that these targets can be challenging to achieve within residential settings, particularly in areas of higher density housing and so suggests lower targets considered more appropriate to a residential environment. Whilst there is not yet a National Annex covering Ireland, these targets are still considered relevant owing to the similarities of climate. It should also be noted here that the reduced targets suggested within the BS EN 17037:2018 National Annex are provided so as to be comparable with BR209's recommendations for ADF (discussed previously). These targets are:

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

## SUNLIGHT ACCESS

Annex A of the EN 17037:2018 states 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 facades 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.

# 4 METHODOLOGY

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

The three dimensional representation of the proposed development has been modelled using the scheme drawings provided to us by Reddy Architecture + Urbanism. This has been placed in the context of its surrounding buildings which have been modelled from survey information, photogrammetry, OS and site photographs. This allows for a precise model, which in turn ensures that analysis accurately represents the amount of daylight and sunlight available to the building facades, internal and external spaces, considering all of the surrounding obstructions and orientation.

**Daylight Assessments**

For the purposes of this internal daylight and sunlight appraisal, the masterplan scenario has been considered (please see Figure 1 below). This is deemed to represent the worst-case condition as the results of the SHD application take into account the proposed Blocks 01, 11 and 12.

For the technical assessments, a representative sample of the proposed habitable rooms have been tested. Blocks 02A, 03, 04, 05, 06 and 07 have been fully modelled and assessed. For Blocks 02B, 01, 08, 09, 11 and 12, as block typologies repeat, only parts of the blocks have been tested. However, the selection represents the worst-case locations for each typology and therefore the overall compliance with the daylight and sunlight criteria for the entire scheme is likely to be even higher. The tested selection is depicted in Figure 2 below.

All open-plan combined living kitchen dining rooms have been assessed as a whole. The results presented in this report consider the 2% ADF target for ADF, however an additional compliance figure against the 1.5% ADF level for living rooms is also discussed.

**Overshadowing**

The overshadowing test has been undertaken for all the proposed open spaces both at the equinox (21st March), as recommended by the BRE, and in the summer solstice (21st June) to show the likely performance in summer when outdoor spaces are most likely to be enjoyed. The results are presented on a two-colour diagram showing the compliance rate on 21st March and on a falsecolour scale depicting the sunlight exposure on these dates.

**CBDM**

For CBDM assessments, an analysis 'grid' is located within each room at working plane height. The assessment grid has been positioned at 850 mm from FFL and offset by 0.5m from the walls.

The weather file recorded at Dublin airport was considered the most relevant for this assessment and so utilised.

The CBDM assessments have been carried out for Blocks 7 and 8. This selection is based on the fact that Block 7 consists of a typical courtyard typology located in the centre of the site, therefore being considered the most obstructed in terms of daylight and sunlight. This is likely to portray a worst-case among all blocks. Block 8 includes duplexes typologies which repeats in many locations across the site.

## 4.1 SIMULATION ASSUMPTIONS

Where no values for reflectance, transmittance and maintenance factor were specified by the designer the following values from *BS 8206-2:2008, Annex A, tables A.1-A.6* were used for the calculation of Average Daylight Factor values. These values are shown in Table 1.

Table 01: Typical reflectance, transmittance and maintenance factors

| REFLECTANCE VALUES: | |
|---|---|
| Surrounding | 0.2 |
| Pavement | 0.2 |
| Grass | 0.1 |
| Water | 0.1 |
| Yellow brick | 0.3 |
| Red brick | 0.2 |
| Portland Stone | 0.6 |
| Concrete | 0.4 |
| Internal walls (light grey) | 0.68 |
| Internal ceiling (white paint) | 0.85 |
| Internal floor (medium veneer) | 0.3 |
| Internal floor (light veneer) | 0.4 |

| TRANSMITTANCE VALUES | TV |
|---|---|
| **Triple glazing (Low-E):** Pilkington K Glass 4/12/4/12/4 Argon filled 90% | 0.63 |
| **Double glazing (Low-E):** | 0.75 |
| **Single glazing:** Pilkington Optifloat Clear 4mm Annealed | 0.90 |
| **Translucent glazing (Low-E):** Pilkington Optifloat Opal - 4mm K /16/4mm Opal | 0.74 |

| MAINTENANCE FACTORS: GLAZING TYPE | TV (Normal) | A.3 | A.4 | A.5 | A.6 | TV (Total) |
|---|---|---|---|---|---|---|
| **Triple Low-E** (frames modelled) | 0.63 | 8 | 1 | 1 | 1 | 0.58 |
| **Triple Low-E** (frames not modelled) | 0.63 | 8 | 1 | 1 | 0.8 | 0.46 |
| **Triple Low-E** (inclined, frames modelled) | 0.63 | 8 | 2 | 1 | 1 | 0.53 |
| **Triple Low-E** (inclined, frames not modelled) | 0.63 | 8 | 2 | 1 | 0.8 | 0.42 |
| **Triple Low-E** (horizontal, frames modelled) | 0.63 | 8 | 3 | 1 | 1 | 0.48 |
| **Triple Low-E** (horizontal, frames not modelled) | 0.63 | 8 | 3 | 1 | 0.8 | 0.38 |
| **Double Low-E** (frames modelled) | 0.75 | 8 | 1 | 1 | 1 | 0.69 |
| **Double Low-E** (frames not modelled) | 0.75 | 8 | 1 | 1 | 0.8 | 0.55 |
| **Double Low-E** (inclined, frames modelled) | 0.75 | 8 | 2 | 1 | 1 | 0.63 |
| **Double Low-E** (inclined, frames not modelled) | 0.75 | 8 | 2 | 1 | 0.8 | 0.50 |
| **Double Low-E** (horizontal, frames modelled) | 0.75 | 8 | 3 | 1 | 1 | 0.57 |
| **Double Low-E** (horizontal, frames not modelled) | 0.75 | 8 | 3 | 1 | 0.8 | 0.46 |

Fig. 01: Assessed blocks - SHD application

Fig. 02: Assessed scenario - masterplan context

# 5 CONCLUSIONS

## DESIGN EVOLUTION

The Central Mental Hospital site is located within Dún Laoghaire-Rathdown County Council 'area' in Dundrum, Dublin. The Land Development Agency intend to apply to An Bord Pleanála (the Board) for permission for a Strategic Housing Development with a total of 977 residential units.

The site sees generally excellent daylight and sunlight potential from most orientations. As is to be expected of any masterplan, lower levels of daylight and sunlight are seen where blocks face each other and in the more obstructed areas of the façade, typically on the lowest floors and inner corners.

In order to respond to the above constraints, GIA has worked alongside the design team to optimise the daylight and sunlight performance of the proposed development through an iterative process of technical assessment, feedback and design amendments. As a result of this collaborative process, the following features have been implemented into the design:

- Fenestration has been enlarged or additional windows have been provided in selected areas, where the daylight and sunlight availability is lowest while balancing overheating and privacy requirements;
- The L/K/Ds have generally been positioned where the levels of light are greatest, and the bedrooms placed in more obstructed locations (such as the courtyard corners);
- Within most of the L/K/Ds, there are clearly defined zones with the living area being at the front of the room (with the highest light levels), the dining area being behind that (with the second highest levels of light) and the kitchen at the rear where light levels are lower but, as recommended by BRE, they have a direct link to the well daylit living area;
- Where rooms are located behind balconies, care had been taken to provide additional windows flush with the façade whenever possible, to increase the daylight and sunlight ingress;
- Internal layouts have been amended, where needed, to reduce room depths and ensure a more uniform distribution of light;
- Light-coloured finishes have been specified for the internal floors to maximise reflected light into and within the rooms.

Overall, the architects have worked to design a balanced scheme providing future occupants with very good levels of daylight and sunlight. Further details are provided in the following sections.

## 5.1 CONCLUSIONS ON DAYLIGHT AND SUNLIGHT - BRE ASSESSMENTS

The final daylight and sunlight assessment results are presented in this report. A large representative sample of the proposed habitable rooms within the SHD scheme have been technically assessed for daylight quantity (by means of Average Daylight Factor - ADF) and distribution (by means of No Sky Line – NSL – and Room Depth Criterion – RDC). In addition, all living areas of the representative selection and with a southerly aspect, have been assessed for their access to sunlight both annually (Annual Probable Sunlight Hours – APSH) and in winter (Winter Probable Sunlight Hours – WPSH). Finally, all outdoor areas of public or communal amenity at ground, podium and roof levels have been tested for overshadowing through the Sun Hours on Ground metric.

Overall, the results show that:

91 % of all tested habitable rooms will meet or exceed the levels of daylight quantity (ADF) recommended within the BRE guidance, including LKDs tested against the 2% ADF target;

- 92% of all tested habitable rooms will meet or exceed the levels of sky visibility (NSL) recommended within the BRE guidance;
- 79% of the assessed living areas with a southerly aspect will meet or exceed the levels of annual sunlight (APSH) recommended within the BRE guidance;
- 88% of the assessed living areas with a southerly aspect will meet or exceed the levels of winter sunlight (WPSH) recommended within the BRE guidance;

The proposed development is deemed to have made the most of the available daylight with 91% (2238 out of 2467) of the proposed habitable rooms meeting or exceeding the levels of Average Daylight Factor (ADF) recommended by the BRE which is considered an excellent performance.

In relation to combined Living/Kitchen/Diners, it should be noted that the ADF target to be used is a subject of frequent discussion. The BRE guidelines suggest that the highest requirement for daylight (2%

ADF) is within kitchens whilst living rooms only require 1.5% but where a room serves multiple purposes, the higher target should be taken. This is logical when designing houses where separate kitchens may be expected as they would likely be smaller than living rooms and can have a good-sized window solely dedicated to lighting that room. Within modern high density living, however, one much larger main room which encompasses the living room, kitchen and dining space is often preferred. This creates a problem with applying the BRE targets as the ADF, being an average of the whole space, decreases with increased room size. The effect of the combined Living/Kitchen/Dining space is therefore to decrease the ADF whilst increasing the target.

The solutions for the above are often somewhat limited in a dense development as the window size is restricted to the width of the window wall. In anything but the most unobstructed locations, it follows that to achieve the levels of light recommended by BRE, most good-sized Living/Kitchen/Dining spaces must be either fully dual aspect or with very large areas of glass. Whilst possible in places, this is clearly not something available for every unit without reducing a building's footprint. The additional areas of glazing will also lead to reduced privacy, an increased risk of overheating and limitations on room/flat layouts.

When taking the above into account a further 129 living/kitchen/dining rooms and three studios achieve the recommendation of 1.5% ADF for living areas. Should this level of daylight be considered acceptable for living/dining spaces, it could be concluded that 2370 out of the 2467 (96%) of all habitable rooms proposed will offer future occupants' good levels of daylight.

Of the remaining 95 rooms falling short of the ADF recommendation 69 are combined living/kitchen/dining rooms (LKDs), 6 are living rooms, 3 are studios and 17 are bedrooms. These are located across all blocks and in the most constrained areas of the facades, where the blocks face each other, beneath balconies or in the courtyard elevations.

The percentage of rooms meeting or exceeding each of the BRE criteria within each residential block are illustrated in the graph below and a detailed discussion is provided in the next pages.

In any urban environment, the sky visibility is inevitably restricted on the lower floors, as the massing context partially obstructs the view of the sky from the rear of the rooms. Nevertheless, 2278 of the assessed 2467 rooms (92%) meet or exceed the recommended levels of sky visibility (NSL). In addition, 154 of the rooms falling short of the guidance still offer a view of the sky from at least half of their area. Therefore, the vast majority (2432 out of 2467 - 98.5%) of habitable rooms are considered to have a good view of the sky.

In relation to sunlight, 499 (79%) of the 635 living rooms tested meet or exceed the BRE recommendation in terms of Annual and Winter Probable Sunlight Hours (PSH). For the winter period, when sunlight is mostly appreciated, 88% of the assessed rooms comply with the BRE guidance.

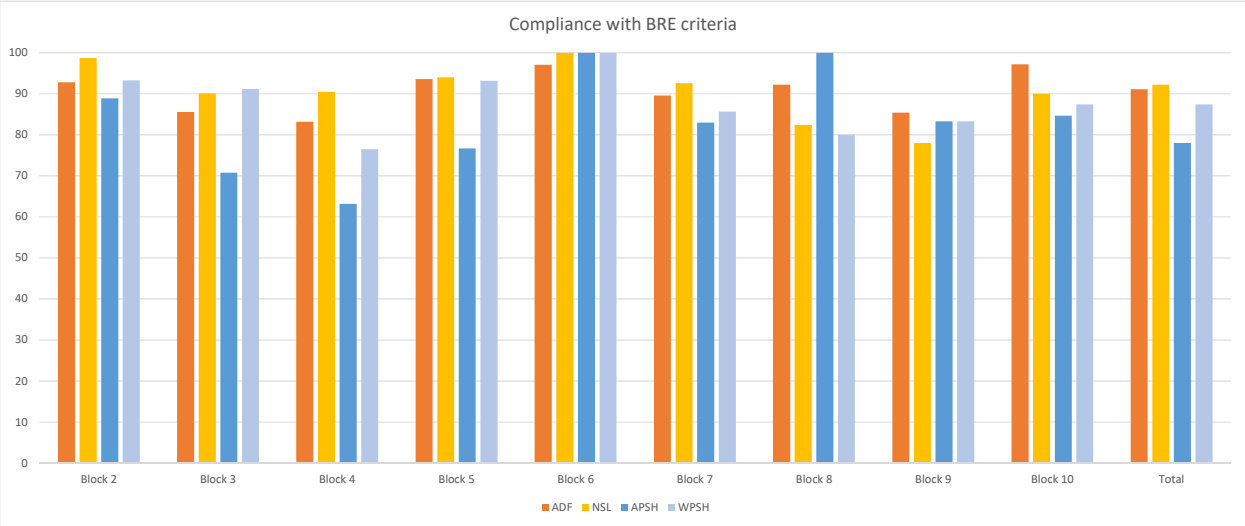



Fig. 03: Compliance per block - SHD application

Lower levels than recommended are seen on the lower floors and where balconies act as shading devices, obstructing high-angle summer sunlight and letting low-angle winter sunlight penetrate into the rooms.

Overall, the above results are considered excellent for a development of this nature and scale.

The following section presents details of each block's daylight and sunlight performance.

## CONCLUSIONS PER BLOCK (SHD APPLICATION)

**Block 2**

Block 2 comprises of a set of two blocks (referred by A and B in this report). Block A is a courtyard typology and has good potential for daylight on the southern and western elevations. Block 2B has a L shape and includes townhouses and apartments. The constraints posed by a courtyard typologies have been carefully considered throughout the design process and as the layouts optimised to respond to this challenge.

As a result, 93% (282 out of the 304) of the habitable rooms meet or exceed the recommended daylight quantity. There are only 22 rooms falling short of the BRE guidance. These are LKDs that are doing so owing to their very generous sizes and the obstruction caused by the provision of balconies which is considered an acceptable trade-off of different types of amenity.

With regard to sky visibility, all living areas, with the exception of four, well exceed the recommended levels of NSL and the remaining four (labelled 45, 81, 83 and 154) offer a view of the sky from at least 40% of their area.

Limited access to sunlight is observed within a few main habitable rooms within Block 2A. 93% (84 out of 90) living areas subject to PSH assessment receive good levels of winter sunlight. In the summer, balconies act shading devices intercepts high-angle sunlight, however, still 78 out of 90 of the tested living rooms see the recommended annual levels of sunlight.

Overall, the design of Block 2 has optimised its access to daylight and sunlight as much as possible which is demonstrated by the excellent compliance with the BRE criteria.

**Block 3**

The design of Block 3 has evolved significantly throughout the design stage. The courtyard width has increased in response to the initial daylight testing, as well as the careful positioning of cores and the provision of dual-aspect living areas as much as possible. All these measures enhanced the potential for good daylight indoors, however, lower daylight and sunlight levels are observed in a few areas of the inner facades, as typical of courtyard blocks.

The results show that 356 out of the total 416 habitable rooms (85.6%) see good levels of daylight. In addition, another 36 LKDs see at least the 1.5% ADF recommended for living areas. The other rooms falling short of the guidance for ADF are 16 LKDs, one studio and seven bedrooms.

The main living spaces falling short of the BRE guidance are doing so owing to the obstruction caused by the provision of large balconies which is considered an acceptable trade-off of different types of amenity. In addition to this, 8 out of the 16 LKDs falling short of the 1.5% ADF see very good levels of sky visibility whilst the remaining 8 see at last 1.1% ADF and 40% NSL.

As expected, the sunlight availability to some of the living areas is more restricted given the balcony provision. Such results are typical of any masterplan.

Overall, the design of Block 3 has addressed the constraints inherent to the block's typology and provision of private external amenity to all units.

**Block 4**

This block also enjoys an unobstructed southern and eastern elevation, with good daylight and sunlight potential overall. 218 of the 262 habitable rooms (83%) achieve the recommended levels of ADF and 90.5% meet or exceed the recommended sky visibility (NSL).

The rooms seeing lower levels of daylight are: 33 LKDs, 4 studios and 7 bedrooms.

The LKDs seeing lower levels of daylight do so

mostly given the provision of balconies. Whilst this reduces the amount of daylight entering the room and bouncing to the rear, where kitchens are located, they provide a generous well sunlit external space. In the summer period they also help reducing the risk of overheating, especially on the southern elevations.

The majority (63%) of living areas with a southerly aspect exceed the annual sunlight recommendation. 76.5% of the assessed LKDs meet the minimum winter recommendation for sunlight. The shortfalls are again related to the obstruction caused by the balconies.

Overall, the design of Block 4 has optimised its access to daylight as much as possible, whilst still balancing out the risk of overheating, provision of balconies and daylight and sunlight amenity.

**Block 5**

Block 5 has a similar massing configuration to Block 4 with good daylight potential on the southern elevation. The slightly wider massing aperture to the south increases the daylight and sunlight potential of the facades facing the courtyard. This provides excellent levels of daylight with 93% of the proposed habitable rooms meeting the ADF criteria and 94% of the rooms with an excellent view of the sky.

There are only 17 LKDs and one studio achieving levels of daylight below the BRE guidance. The lower performing LKDs see levels of ADF in between 1.3% and 1.9% and all but one have a good view of the sky within at least 54% of their room area.

The access to sunlight throughout the year is also good in the living areas with a southerly aspect, with 93% of the living rooms exceeding the winter sunlight recommendation.

Overall, the daylight and sunlight amenity within Block 5 is considered to be very good.

**Block 6**

Block 6 is a small block located in the eastern portion of the site.

The analysis has demonstrated that the vast majority (97%) of the habitable rooms meet or exceed the recommended daylight quantity and that all rooms (100%) meet the daylight distribution criteria and will therefore be excellently daylit.

All south-facing living rooms will also receive excellent levels of sunlight throughout the year.

Overall, the daylight and sunlight amenity within Block 6 is considered to be excellent.

**Block 7**

Block 7 is located in the centre of the development site and has the greatest degree of external obstruction. The overall daylight and sunlight potential for this block is further constrained by the courtyard nature of the massing. However, the design team has taken these constraints into account and has sought to maximise the light ingress into the habitable rooms. As a result, 90% (518 out of 578) of the habitable rooms meet the ADF criteria and 92% achieve a good sky visibility.

When looking into the performance against the 1.5% ADF target for living rooms, 96% of the proposed habitable rooms see good levels of daylight.

The rooms seeing lower levels of ADF are 22 LKDs that see between 0.9% and 1.4 % ADF and 1 bedroom that see 0.7% ADF. However, the vast majority of these rooms meet the NSL criteria with only 9 shortfalls.

The access to sunlight throughout the year is limited in some of the tested living areas owing to the central location of this block within the site and the obstruction caused by balconies. However, 82% of the tested living rooms meet or exceed the BRE annual and winter guidance.

Overall, the design has made the most of the daylight and sunlight available to this block and its daylight and sunlight performance is considered to be very good.

**Block 8**

Block 8 comprises of a set of blocks including duplexes and apartments. Two of the blocks located in the most constrained areas have been assessed. Therefore, the results portray the worst-case scenario for these typologies. The tested elements are marked up in Figure 01 on page 11 of this report.

The results are overall very good with only four out of the 51 habitable rooms tested seeing lower levels of daylight.

There are four living rooms falling short of the recommendation which are located within the duplex apartments. However, these rooms see at least 1.2% ADF, when 1.5% is recommended, and therefore this is considered only a marginal shortfall of the target. In addition, all of them meet the NSL guidance and are therefore considered overall well daylit spaces.

All living areas with a southerly aspect exceed the annual sunlight recommendation and all but four (80%) of them meet the winter sunlight recommendation.

The assessed elements in Block 8 are considered to offer excellent daylight and sunlight quality to its future occupants.

**Block 9**

Similarly, to Block 8, this block comprises of a set of elements including duplexes and apartments. Two of the blocks located in the most constrained areas have been assessed which portraits the worst-case for these typologies.

Of the tested 41 habitable rooms only four fall short of the BRE recommendations. These are two living rooms and 2 bedrooms.

The two living rooms falling short of the guidance see 1.3% ADF and have an excellent sky visibility. These results are overall considered excellent.

**Block 10**

This block also consists of a courtyard typology which inherently has a greater degree of obstruction on the inner facades.

The massing configuration has however acknowledged the lower potential for good daylight and has optimised the layouts as much as possible. As a result, 97% of the tested rooms (419 out of 428) see good levels of ADF and 90% meet or exceed the NSL recommendation.

Should 1.5% ADF be considered acceptable for the rooms including a kitchen, as discussed in an early section of this report, the overall compliance with ADF would rise to 99%.

There are only four LKDs below the 1.5% ADF target and they see between 1.1% and 1.4% ADF. These shortfalls also occur owing to obstruction caused by the balconies.

Sunlight levels have also been maximised with 85% of all tested living spaces meeting of exceeding the annual recommendation and 87% achieving the minimum suggested winter sunlight level.

Overall, this block is also considered to perform well and to offer very good daylight and sunlight amenity on balance.

## 5.2 CONCLUSIONS ON OVERSHADOWING

TThe BRE guidance recommends that, in order for an area to appear well sunlit throughout the year, at least half of it ought to see at least two hours of sunlight on 21st March.

In total, eight communal amenity areas at ground level, six courtyards (Blocks 2, 3, 4, 5, 7 and 10) and three areas at roof level were tested for sunlight availability.

The diagrams on page 130 show the BRE two-hours assessment for 21st March with the area receiving two hours of sunlight or more in yellow.

The results show that all the public realm at ground level and the rooftop amenities far exceed the minimum BRE recommendation.

Only two courtyards within Blocks 7 and 10 see lower levels of sunlight on the 21st March. However, the 50% target is achieved on the 29th March and 7th April, respectively. This is considered only a marginal shortfall of the guidance and compensated by the vast amount of excellently sunlit communal areas at ground level, as discussed in section 5.4 below.

In order to provide a more comprehensive sunlight appraisal, sun exposure diagrams are provided which show the actual levels of sunlight on 21st March, as well as on the summer solstice (21st June).

The sun exposure diagrams demonstrate that the sunlight availability during the summer period is excellent with most areas seeing at least 6 hours of direct sun on 21st June.

Overall, the proposed SHD proposal provides a variety of amenity spaces with different degrees of excellent sunlight and shading. The design has also ensured that occupants of all residential blocks will have access to well sunlit outdoor spaces throughout the year.

variety of amenity spaces with different degrees of excellent sunlight and shading. The design has also ensured that occupants of all residential blocks will have access to well sunlit outdoor spaces throughout the year.

## 5.3 CBDM ASSESSMENTS

As shown in the table below, the CBDM assessments (Method 2) have demonstrated that 74% of the proposed habitable rooms within Block 7 and 63% in Block 8 achieve the minimum illuminance level (300lx) for over 50 % of the space for more than half of the daylight hours in the year.

When considering the BS EN 17037:2018 residential targets, the overall compliance for Blocks 7 and 8 are significantly higher and in line with those observed in the BRE assessments, as is to be expected. 94% of the rooms within Block 7 and 100% of those in Block 8 achieve the targets suggested. Therefore, should all the blocks be tested against the BS EN 17037:2018 National Annex criteria, the overall compliance will likely be similar to that observed for the BRE assessments.

The compliance with the minimum sunlight access guidance of 1.5 hours is overall good. In Block 7, 81% of all proposed LKDs achieve the EN 17037:2018 recommendation whilst in Block 8 all of them meet the target. Where rooms fall short of the guidance this is owing to their more northerly orientation or the presence of balconies which limit sunlight reaching the windows.

Full details on these assessments are provided in Appendix A on this report (page 164).

| | | BS Annex targets | EN 300lx target | Sunlight access (1.5hrs) |
|---|---|---|---|---|
| | | SDA | SDA | SOX |
| | TOTAL No. ROOMS | % COMPLIANCE | % COMPLIANCE | % COMPLIANCE |
| BLOCK 07 | | | | |
| L/K/D | 210 | 84 | 60 | 81 |
| BEDROOM | 368 | 99 | 82 | 63 |
| **TOTAL** | **578** | **94** | **74** | **70** |
| BLOCK08 | | | | |
| LIVING ROOM | 7 | 100 | 43 | 57 |
| KITCHEN | 7 | 100 | 100 | 57 |
| BEDROOM | 31 | 100 | 52 | 39 |
| L/K/D | 6 | 100 | 100 | 100 |
| **TOTAL** | **51** | **100** | **63** | **51** |

Table 02: Results of the Climate Based Assessments (EN Standards)

## 5.4 COMPENSATORY MEASURES

The assessments undertaken have concluded that the proposed SHD development makes the most of the available daylight and sunlight and the achieved levels of light are overall excellent for a scheme of this nature.

In the few rooms where shortfalls are observed, the design team has ensured that compensatory measures are incorporated including:

Apartment units exceeding the minimum floor area requirements;

Provisions of large private amenity in the form of balconies to all units;

Very good levels of sunlight for all open areas of amenity at ground and roof levels.

## 5.5 FUTURE MASTERPLAN BLOCKS (1, 11 AND 12)

GIA has also been requested to provide an initial appraisal of the additional blocks proposed when the entire masterplan is implemented. These are named Blocks 1, 11 and 12.

These blocks are located within an area where buildings are to be retained and in close proximity to the hospital buildings. The retained character inherently restricts the daylight potential within some of the proposed rooms.

The assessments have been carried out for a relevant selection of rooms, considering all the proposed typologies. The sample is highlighted in the diagrams shown from page 144 to 159.

Although layouts are still in progress, the overall compliance with the BRE ADF metric is 91% for the tested rooms. This level of compliance is considered to be excellent and in line with the very good performance demonstrated by the proposed SHD scheme. A summary of the results is provided below.

| | ADF | | | | NSL | | | |
|---|---|---|---|---|---|---|---|---|
| Room Type | Pass | | Total | Compliance | Pass | | Total | Compliance |
| Kitchen | 7 | | 8 | 87.5 | 8 | | 8 | 100 |
| Living Room | 9 | | 9 | 100 | 9 | | 9 | 100 |
| Studio | 0 | | 1 | 0 | 1 | | 1 | 100 |
| Bedroom | 82 | | 84 | 97.6 | 81 | | 84 | 96.4 |
| L/K/D | 19 (31 above 1.5%) | | 39 | 48.7 (79.5) | 25 | | 39 | 64.1 |
| **TOTALS** | **117 (129 above 1.5%)** | | **141** | **83 (91.5)** | **124** | | **141** | **87.9** |

| | TOTAL APSH | | | | WINTER APSH | | | |
|---|---|---|---|---|---|---|---|---|
| Room Type | Pass | | Total | Compliance | Pass | | Total | Compliance |
| Kitchen | | | | | | | | |
| Living Room | 9 | | 9 | 100 | 9 | | 9 | 100 |
| Studio | 1 | | 1 | 100 | 1 | | 1 | 100 |
| Bedroom | | | | | | | | |
| L/K/D | 31 | | 32 | 96.9 | 31 | | 32 | 96.9 |
| **TOTALS** | **41** | | **42** | **97.6** | **41** | | **42** | **97.6** |

Table 03: Results for future blocks within the Masterplan

# 6 SITE OVERVIEW

## SHD Application


Fig. 04: Top view

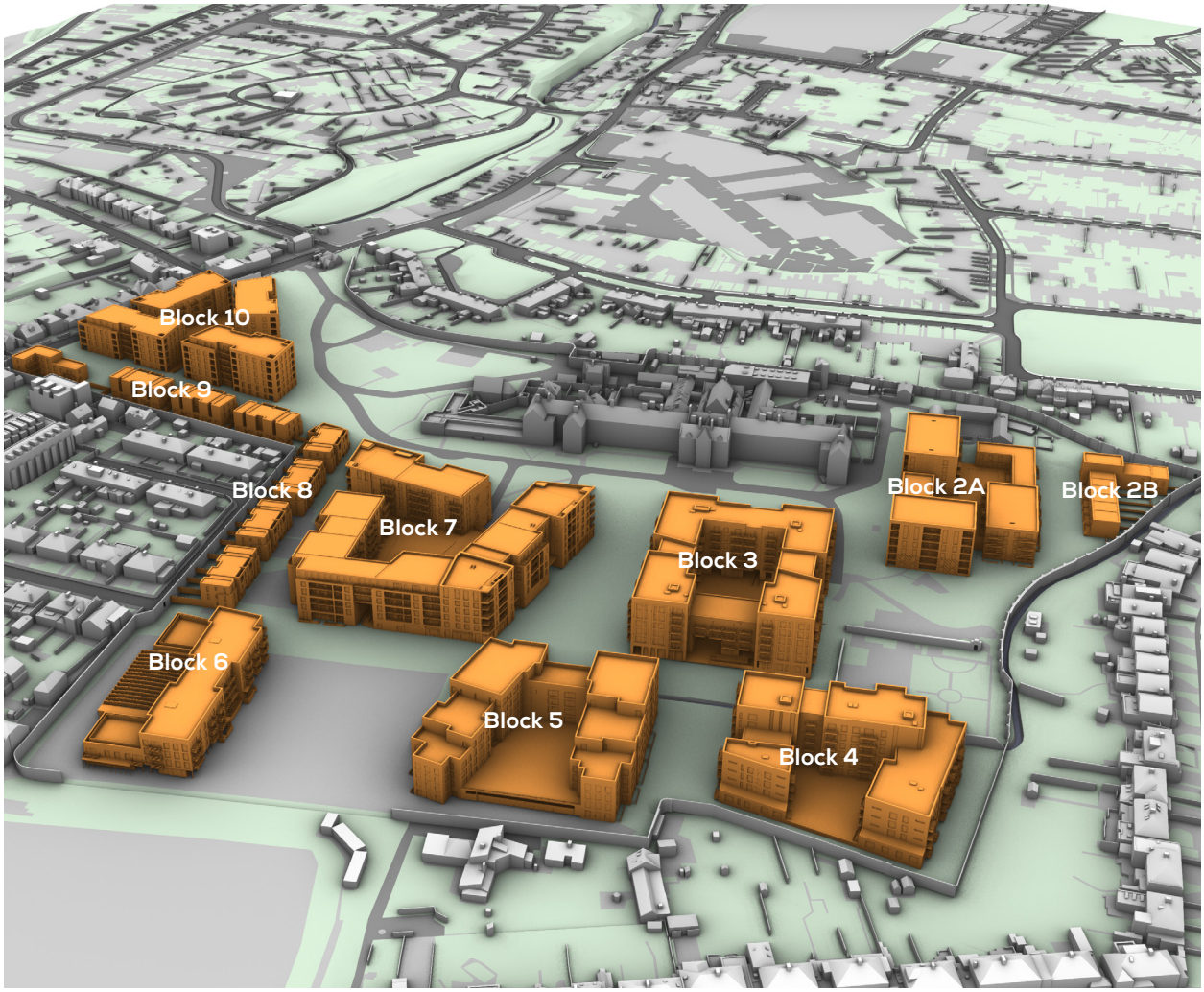


Fig. 05: Perspective view

## KEY TO UNDERSTANDING THE TABLES - DAYLIGHT

### DAYLIGHT QUANTUM

**Average Daylight Factor (ADF)**

Refers to the average percentage of daylight flux in a room against an external unobstructed plane.

BRE recommends ADF levels of 2% for rooms with kitchens (including LKDs and studios with kitchens), 1.5% for living rooms and studies, and 1% for bedrooms.

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| Building C - SIXTH FLOOR | | | | | | |
| 686 | L/K/D | 2.8 | 99 | N/A | | |
| 687 | L/K/D | 2.5 | 100 | N/A | 78 | 27 |
| 688 | Bedroom | 1.1 | 90 | MET | | |
| 689 | Bedroom | 1.4 | 87 | MET | | |
| 690 | Bedroom | 1.4 | 89 | MET | | |
| 691 | Bedroom | 2 | 85 | N/A | | |
| 692 | Bedroom | 1.6 | 82 | MET | | |
| 693 | Bedroom | 1.4 | 95 | MET | | |
| 694 | Bedroom | 1.6 | 98 | MET | | |
| 695 | Bedroom | 2.2 | 93 | N/A | | |
| 696 | Living Room | 2.6 | 100 | N/A | 56 | 24 |
| 697 | Bedroom | 2.5 | 100 | N/A | | |
| 698 | Bedroom | 2.3 | 97 | MET | | |
| 699 | L/K/D | 1.3 | 95 | MET | 57 | 28 |
| 700 | Living Room | 1.8 | 96 | N/A | 64 | 27 |
| 701 | Bedroom | 1.4 | 98 | MET | | |
| 702 | Living Room | 1.2 | 96 | MET | 39 | 14 |

### DAYLIGHT DISTRIBUTION

**No-SkyLine (NSL)**

Refers to the percentage of the room with a view of the sky from a working plane at desk hight.

BRE recommends the NSL to be at least 80% for the room to guarantee satisfactory daylight uniformity.

**Room Depth Criterion (RDC)**

Defines adequate room proportions that enable good distribution of light. It applies to rooms lit by windows in one wall only.

MET : The room meets the Room Depth criterion

NOT MET: The room does not meet BRE's RDC

N/A (Not Applicable): The room is not lit by windows in one wall only, and cannot be assessed by BRE's RDC

# KEY TO UNDERSTANDING THE TABLES - SUNLIGHT

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| Building C - SIXTH FLOOR | | | | | | |
| 686 | L/K/D | 2.8 | 99 | N/A | | |
| 687 | L/K/D | 2.5 | 100 | N/A | 78 | 27 |
| 688 | Bedroom | 1.1 | 90 | MET | | |
| 689 | Bedroom | 1.4 | 87 | MET | | |
| 690 | Bedroom | 1.4 | 89 | MET | | |
| 691 | Bedroom | 2 | 85 | N/A | | |
| 692 | Bedroom | 1.6 | 82 | MET | | |
| 693 | Bedroom | 1.4 | 95 | MET | | |
| 694 | Bedroom | 1.6 | 98 | MET | | |
| 695 | Bedroom | 2.2 | 93 | N/A | | |
| 696 | Living Room | 2.6 | 100 | N/A | 56 | 24 |
| 697 | Bedroom | 2.5 | 100 | N/A | | |
| 698 | Bedroom | 2.3 | 97 | MET | | |
| 699 | L/K/D | 1.3 | 95 | MET | 57 | 28 |
| 700 | Living Room | 1.8 | 96 | N/A | 64 | 27 |
| 701 | Bedroom | 1.4 | 98 | MET | | |
| 702 | Living Room | 1.2 | 96 | MET | 39 | 14 |

## SUNLIGHT QUANTUM

**Probable Sunlight Hours (PSH)**

Refers to the percentage of total probable hours during a year in which a room receives direct sunlight (%).

BRE states that sunlight is most appreciated in living areas and the greatest expectation of sunlight is within south facing rooms. PSH assessments therefore consider all of the living rooms with a main window facing within 90 degrees of due south.

**Annual Probable Sunlight Hours (APSH)**

BRE recommends at least 25% of Annual Probable Sunlight Hours for rooms where sunlight is expected.

**Winter Probable Sunlight Hours (WPSH)**

BRE recommends at least 5% of Winter Probable Sunlight Hours for rooms where sunlight is expected.

## Block 02A - Lower Ground Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| **BLOCK 02 - LOWER GROUND FLOOR** | | | | | | |
| 25 | Bedroom | 2.1 | 100 | MET | | |
| 26 | L/K/D | 2 | 96 | MET | 63 | 18 |
| 27 | L/K/D | 2.4 | 96 | MET | 65 | 19 |
| 28 | Bedroom | 2.4 | 100 | MET | | |
| 29 | L/K/D | 2.4 | 97 | MET | 69 | 21 |
| 30 | L/K/D | 4 | 99 | N/A | 75 | 21 |
| 31 | Bedroom | 3.6 | 98 | MET | | |
| 32 | L/K/D | 1.1 | 97 | MET | 23 | 17 |
| 33 | Bedroom | 3.3 | 99 | MET | | |
| 34 | L/K/D | 3.9 | 100 | N/A | 57 | 21 |
| 35 | Bedroom | 4.3 | 99 | MET | | |
| 36 | Bedroom | 4.3 | 99 | MET | | |
| 37 | Studio | 3.4 | 98 | MET | | |
| 38 | L/K/D | 1.8 | 94 | MET | | |
| 39 | Bedroom | 4.1 | 100 | MET | | |
| 40 | L/K/D | 1.1 | 90 | MET | | |
| 41 | Bedroom | 3.4 | 100 | MET | | |
| 42 | L/K/D | 1 | 89 | MET | | |
| 43 | Bedroom | 3.2 | 99 | MET | | |
| 44 | Bedroom | 3.6 | 100 | MET | | |
| 45 | L/K/D | 0.8 | 73 | MET | | |
| 46 | Bedroom | 2.9 | 99 | MET | | |
| 47 | Bedroom | 7.4 | 99 | N/A | | |
| 48 | Bedroom | 3.2 | 96 | MET | | |
| 49 | L/K/D | 1.7 | 99 | MET | | |
| 50 | Bedroom | 4.7 | 100 | MET | | |
| 51 | L/K/D | 1.3 | 99 | MET | | |

Table 04: Assessment Data

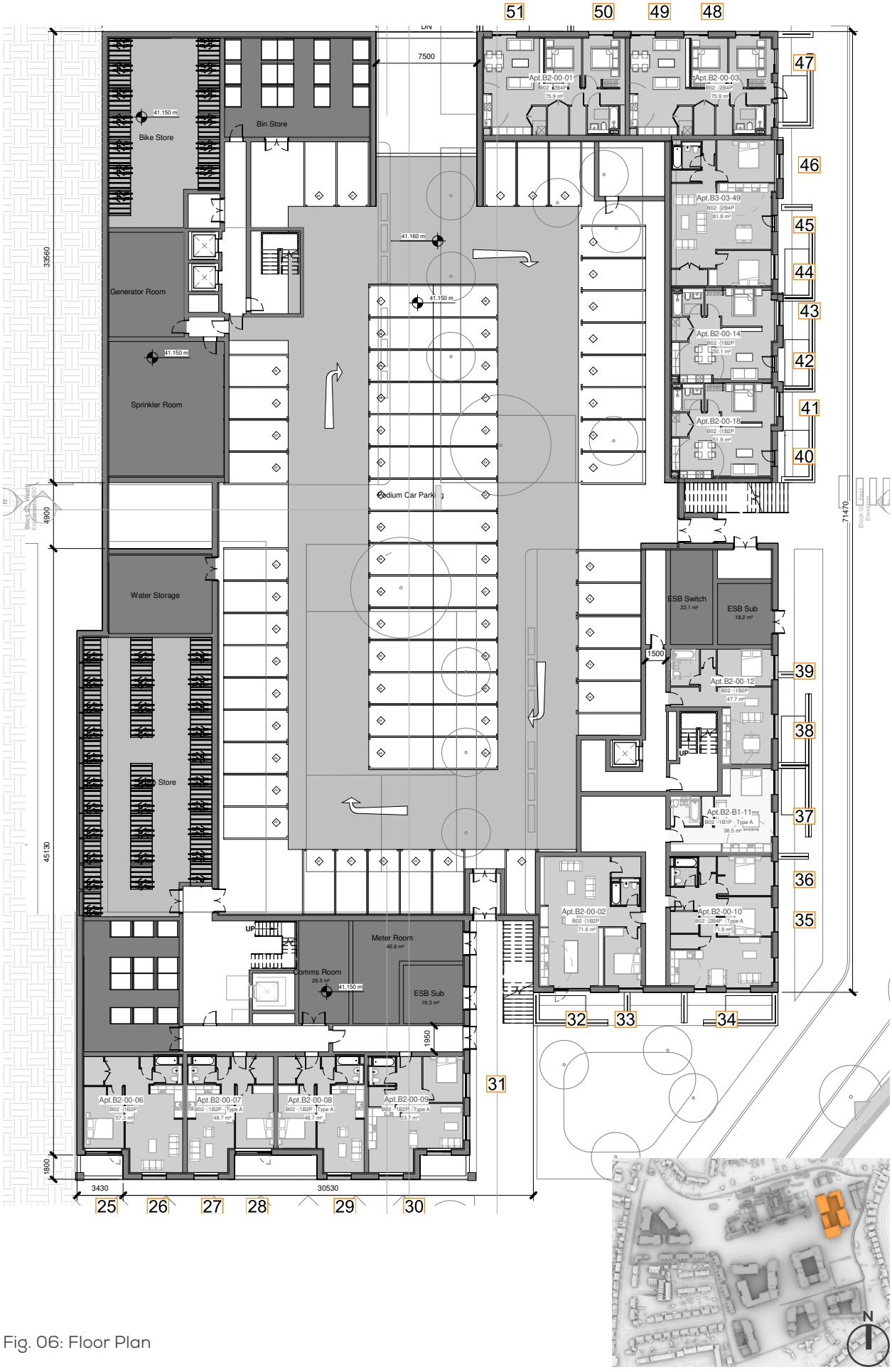



Fig. 06: Floor Plan

## Block 02A - Ground Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 02 - GROUND FLOOR | | | | | | |
| 52 | Bedroom | 3.9 | 95 | MET | | |
| 53 | L/K/D | 1.9 | 93 | MET | 31 | 9 |
| 54 | L/K/D | 2.7 | 100 | N/A | 46 | 7 |
| 55 | Bedroom | 4 | 99 | MET | | |
| 56 | L/K/D | 1.9 | 99 | MET | | |
| 57 | Bedroom | 2.6 | 99 | MET | | |
| 58 | Bedroom | 2.9 | 99 | MET | | |
| 59 | L/K/D | 1.5 | 97 | MET | | |
| 60 | L/K/D | 3.8 | 100 | N/A | 60 | 14 |
| 61 | Bedroom | 5 | 98 | MET | | |
| 62 | Bedroom | 5.5 | 100 | MET | | |
| 63 | Bedroom | 4.1 | 98 | MET | | |
| 64 | Bedroom | 8.8 | 100 | MET | | |
| 65 | L/K/D | 3.6 | 98 | N/A | 62 | 14 |
| 66 | L/K/D | 3.6 | 99 | MET | | |
| 67 | L/K/D | 3.6 | 99 | MET | | |
| 68 | L/K/D | 3.6 | 99 | MET | | |
| 69 | L/K/D | 3.2 | 100 | N/A | | |
| 70 | Bedroom | 4 | 100 | MET | | |
| 71 | Bedroom | 4.2 | 100 | MET | | |
| 72 | L/K/D | 2.9 | 99 | MET | | |
| 73 | L/K/D | 4.2 | 99 | MET | | |
| 74 | Bedroom | 4.4 | 99 | MET | | |
| 75 | L/K/D | 3.3 | 99 | N/A | 52 | 23 |
| 76 | Bedroom | 3.3 | 98 | MET | | |
| 77 | Bedroom | 3.4 | 97 | MET | | |
| 78 | L/K/D | 2.2 | 96 | N/A | 30 | 18 |
| 79 | Bedroom | 2.4 | 89 | MET | | |
| 80 | Bedroom | 2.4 | 91 | MET | | |
| 81 | L/K/D | 1.1 | 44 | MET | 10 | 0 |
| 82 | Bedroom | 2.5 | 99 | MET | | |
| 83 | L/K/D | 1.2 | 41 | MET | 14 | 2 |
| 84 | Bedroom | 2.4 | 99 | MET | | |
| 85 | L/K/D | 2.6 | 88 | N/A | 13 | 4 |
| 86 | Bedroom | 2.4 | 89 | MET | | |
| 87 | Bedroom | 2.8 | 97 | MET | | |
| 88 | L/K/D | 1.8 | 98 | MET | | |
| 89 | Bedroom | 3.4 | 99 | MET | | |
| 90 | Bedroom | 3.7 | 100 | MET | | |
| 91 | L/K/D | 4.5 | 99 | N/A | 78 | 24 |
| 92 | L/K/D | 2.2 | 99 | MET | 71 | 22 |
| 93 | Bedroom | 2 | 99 | MET | | |
| 94 | Bedroom | 2.1 | 99 | MET | | |
| 95 | L/K/D | 2.5 | 98 | MET | 68 | 20 |
| 96 | L/K/D | 4 | 99 | N/A | 81 | 20 |
| 97 | Bedroom | 3.9 | 99 | MET | | |
| 98 | Bedroom | 4 | 99 | MET | | |
| 99 | L/K/D | 1.6 | 100 | MET | 38 | 4 |
| 100 | Bedroom | 1.7 | 98 | MET | | |
| 101 | Bedroom | 2.9 | 98 | MET | | |
| 102 | L/K/D | 2.2 | 98 | MET | 20 | 5 |
| 103 | Bedroom | 3.4 | 99 | MET | | |
| 104 | L/K/D | 2.3 | 98 | MET | 22 | 8 |
| 105 | Bedroom | 3.4 | 99 | MET | | |
| 106 | L/K/D | 2.3 | 98 | MET | 29 | 9 |
| 107 | Bedroom | 3.6 | 100 | MET | | |
| 108 | L/K/D | 2.6 | 100 | N/A | 23 | 11 |
| 109 | Bedroom | 3.4 | 99 | MET | | |

Table 05: Assessment Data


Fig. 07: Floor Plan

## Block 02A - First Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 02 - FIRST FLOOR | | | | | | |
| 110 | L/K/D | 4.7 | 100 | N/A | 44 | 10 |
| 111 | Bedroom | 3.7 | 100 | MET | | |
| 112 | L/K/D | 2.1 | 97 | MET | 42 | 9 |
| 113 | Bedroom | 1.8 | 86 | MET | | |
| 114 | Bedroom | 1.9 | 84 | MET | | |
| 115 | L/K/D | 2.1 | 81 | MET | 43 | 12 |
| 116 | Bedroom | 4.2 | 98 | MET | | |
| 117 | L/K/D | 2.3 | 93 | N/A | 44 | 12 |
| 118 | L/K/D | 3.6 | 100 | N/A | 58 | 8 |
| 119 | Bedroom | 4.9 | 99 | MET | | |
| 120 | L/K/D | 2.2 | 98 | MET | | |
| 121 | Bedroom | 3.3 | 99 | MET | | |
| 122 | Bedroom | 3.4 | 99 | MET | | |
| 123 | L/K/D | 2 | 98 | MET | | |
| 124 | Bedroom | 3.4 | 100 | MET | | |
| 125 | L/K/D | 4.5 | 100 | N/A | | |
| 126 | Bedroom | 4.5 | 99 | MET | | |
| 127 | Bedroom | 4.4 | 99 | MET | | |
| 128 | L/K/D | 4 | 100 | N/A | 63 | 15 |
| 129 | Bedroom | 4.9 | 98 | MET | | |
| 130 | Bedroom | 5.7 | 100 | MET | | |
| 131 | Bedroom | 4.6 | 98 | MET | | |
| 132 | Bedroom | 9 | 100 | N/A | | |
| 133 | L/K/D | 3.9 | 99 | MET | 63 | 14 |
| 134 | Bedroom | 5 | 99 | MET | | |
| 135 | Bedroom | 4.4 | 97 | MET | | |
| 136 | Bedroom | 5.1 | 99 | MET | | |
| 137 | Bedroom | 4.3 | 97 | MET | | |
| 138 | Bedroom | 5.2 | 99 | MET | | |
| 139 | Bedroom | 4.4 | 97 | MET | | |
| 140 | L/K/D | 3.7 | 100 | N/A | | |
| 141 | Bedroom | 4.1 | 100 | MET | | |
| 142 | Bedroom | 4.7 | 100 | MET | | |
| 143 | L/K/D | 3 | 99 | MET | | |
| 144 | Studio | 4.3 | 99 | MET | | |
| 145 | Bedroom | 4.5 | 100 | MET | | |
| 146 | L/K/D | 3.4 | 99 | N/A | 52 | 23 |
| 147 | Bedroom | 3.3 | 98 | MET | | |
| 148 | Bedroom | 3.5 | 99 | MET | | |
| 149 | L/K/D | 2.4 | 100 | N/A | 32 | 18 |
| 150 | Bedroom | 2.9 | 98 | MET | | |
| 151 | Bedroom | 3.1 | 99 | MET | | |
| 152 | L/K/D | 1.6 | 89 | MET | 15 | 1 |
| 153 | Bedroom | 3.2 | 99 | MET | | |
| 154 | L/K/D | 1.7 | 76 | MET | 19 | 6 |
| 155 | Bedroom | 3.1 | 99 | MET | | |
| 156 | L/K/D | 3.3 | 95 | N/A | 18 | 7 |
| 157 | Bedroom | 2.9 | 96 | MET | | |
| 158 | Bedroom | 3.3 | 100 | MET | | |
| 159 | L/K/D | 2 | 95 | N/A | | |
| 160 | Bedroom | 3.7 | 99 | MET | | |
| 161 | Bedroom | 4 | 100 | MET | | |
| 162 | L/K/D | 4.6 | 99 | N/A | 78 | 24 |
| 163 | L/K/D | 2.2 | 97 | MET | 73 | 24 |
| 164 | Bedroom | 2.1 | 99 | MET | | |
| 165 | Bedroom | 2.2 | 99 | MET | | |
| 166 | L/K/D | 2.6 | 98 | MET | 69 | 21 |
| 167 | L/K/D | 4.1 | 99 | N/A | 86 | 22 |
| 168 | Bedroom | 4.1 | 99 | MET | | |
| 169 | Bedroom | 4.1 | 99 | MET | | |
| 170 | L/K/D | 1.6 | 100 | MET | 41 | 7 |
| 171 | Bedroom | 1.7 | 98 | MET | | |
| 172 | Bedroom | 3.2 | 98 | MET | | |
| 173 | L/K/D | 2.4 | 98 | MET | 26 | 6 |
| 174 | Bedroom | 3.7 | 99 | MET | | |
| 175 | L/K/D | 2.5 | 100 | MET | 30 | 9 |
| 176 | Bedroom | 3.7 | 99 | MET | | |
| 177 | L/K/D | 2.5 | 99 | MET | 40 | 12 |

Table 06: Assessment Data


Fig. 08: Floor Plan

## Block 02A - Second Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 02 - SECOND FLOOR | | | | | | |
| 181 | L/K/D | 4.8 | 100 | N/A | 47 | 12 |
| 182 | Bedroom | 3.9 | 100 | MET | | |
| 183 | L/K/D | 2.3 | 98 | MET | 46 | 11 |
| 184 | Bedroom | 2.1 | 98 | MET | | |
| 185 | Bedroom | 2.1 | 98 | MET | | |
| 186 | L/K/D | 2.3 | 92 | MET | 45 | 12 |
| 187 | Bedroom | 4.6 | 98 | MET | | |
| 188 | L/K/D | 2.9 | 97 | N/A | 71 | 15 |
| 189 | L/K/D | 3.9 | 100 | N/A | 72 | 18 |
| 190 | Bedroom | 5.2 | 99 | MET | | |
| 191 | L/K/D | 2.3 | 98 | MET | | |
| 192 | Bedroom | 3.5 | 99 | MET | | |
| 193 | Bedroom | 3.6 | 99 | MET | | |
| 194 | L/K/D | 2.3 | 98 | MET | | |
| 195 | Bedroom | 3.7 | 100 | MET | | |
| 196 | L/K/D | 4.9 | 100 | N/A | | |
| 197 | Bedroom | 4.5 | 99 | MET | | |
| 198 | Bedroom | 4.5 | 99 | MET | | |
| 199 | L/K/D | 4.9 | 100 | N/A | | |
| 200 | Bedroom | 4.3 | 100 | MET | | |
| 201 | Bedroom | 4.8 | 100 | MET | | |
| 202 | L/K/D | 4.3 | 99 | MET | | |
| 203 | Studio | 5.5 | 99 | MET | | |
| 204 | Bedroom | 4.6 | 100 | MET | | |
| 205 | L/K/D | 4.2 | 100 | N/A | 80 | 25 |
| 206 | Bedroom | 3.8 | 98 | MET | | |
| 207 | Bedroom | 3.7 | 99 | MET | | |
| 208 | L/K/D | 3.4 | 100 | N/A | 67 | 18 |
| 209 | Bedroom | 3.3 | 100 | MET | | |
| 210 | Bedroom | 3.6 | 100 | MET | | |
| 211 | L/K/D | 2.8 | 98 | MET | 37 | 3 |
| 212 | Bedroom | 3.7 | 99 | MET | | |
| 213 | L/K/D | 3 | 98 | MET | 42 | 10 |
| 214 | Bedroom | 3.7 | 99 | MET | | |
| 215 | L/K/D | 4.5 | 100 | N/A | 41 | 12 |
| 216 | Bedroom | 3.4 | 99 | MET | | |
| 217 | Bedroom | 3.7 | 100 | MET | | |
| 218 | L/K/D | 2.5 | 95 | N/A | | |
| 219 | Bedroom | 4.1 | 99 | MET | | |
| 220 | Bedroom | 4.2 | 100 | MET | | |
| 221 | L/K/D | 4.6 | 99 | N/A | 79 | 25 |
| 222 | L/K/D | 2.2 | 97 | MET | 74 | 25 |
| 223 | Bedroom | 2.1 | 99 | MET | | |
| 224 | Bedroom | 2.2 | 99 | MET | | |
| 225 | L/K/D | 2.7 | 98 | MET | 72 | 23 |
| 226 | L/K/D | 4.3 | 99 | N/A | 89 | 24 |
| 227 | Bedroom | 4.1 | 99 | MET | | |
| 228 | Bedroom | 4.2 | 99 | MET | | |
| 229 | L/K/D | 1.7 | 100 | MET | 44 | 9 |
| 230 | Bedroom | 1.8 | 99 | MET | | |
| 231 | Bedroom | 2.8 | 98 | MET | | |
| 232 | L/K/D | 2.6 | 99 | MET | 41 | 7 |
| 233 | Bedroom | 3.3 | 99 | MET | | |
| 234 | L/K/D | 2.7 | 100 | MET | 52 | 13 |
| 235 | Bedroom | 3.3 | 99 | MET | | |
| 236 | L/K/D | 2.7 | 99 | MET | 64 | 17 |
| 237 | Bedroom | 3.4 | 100 | MET | | |
| 238 | L/K/D | 2.9 | 100 | N/A | 49 | 16 |
| 239 | Bedroom | 3.4 | 99 | MET | | |

Table 07: Assessment Data


Fig. 09: Floor Plan

## Block 02A - Third Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 02 - THIRD FLOOR | | | | | | |
| 240 | L/K/D | 5 | 100 | N/A | 49 | 14 |
| 241 | Bedroom | 4 | 100 | MET | | |
| 242 | L/K/D | 2.3 | 98 | MET | 48 | 13 |
| 243 | Bedroom | 2.2 | 98 | MET | | |
| 244 | Bedroom | 2.2 | 98 | MET | | |
| 245 | L/K/D | 2.4 | 98 | MET | 47 | 13 |
| 246 | Bedroom | 4.8 | 99 | MET | | |
| 247 | L/K/D | 3.5 | 100 | N/A | 87 | 29 |
| 248 | L/K/D | 4.2 | 100 | N/A | 82 | 28 |
| 249 | Bedroom | 5.3 | 99 | MET | | |
| 250 | L/K/D | 2.3 | 98 | MET | | |
| 251 | Bedroom | 3.5 | 99 | MET | | |
| 252 | Bedroom | 3.7 | 99 | MET | | |
| 253 | L/K/D | 2.3 | 98 | MET | | |
| 254 | Bedroom | 3.8 | 100 | MET | | |
| 255 | L/K/D | 4.8 | 100 | N/A | | |
| 256 | Bedroom | 4.5 | 99 | MET | | |
| 257 | Bedroom | 4.5 | 99 | MET | | |
| 258 | Bedroom | 3.7 | 99 | MET | | |
| 259 | Bedroom | 3.9 | 100 | MET | | |
| 260 | L/K/D | 2.9 | 95 | N/A | | |
| 261 | Bedroom | 4.4 | 99 | MET | | |
| 262 | Bedroom | 4.4 | 100 | MET | | |
| 263 | L/K/D | 4.7 | 99 | N/A | 80 | 26 |
| 264 | L/K/D | 2.3 | 97 | MET | 75 | 26 |
| 265 | Bedroom | 2.1 | 99 | MET | | |
| 266 | Bedroom | 2.2 | 99 | MET | | |
| 267 | L/K/D | 2.7 | 98 | MET | 74 | 25 |
| 268 | L/K/D | 4.4 | 99 | N/A | 91 | 26 |
| 269 | Bedroom | 4.2 | 99 | MET | | |
| 270 | Bedroom | 4.3 | 99 | MET | | |
| 271 | L/K/D | 1.7 | 100 | MET | 45 | 10 |
| 272 | Bedroom | 1.8 | 98 | MET | | |

Table 08: Assessment Data

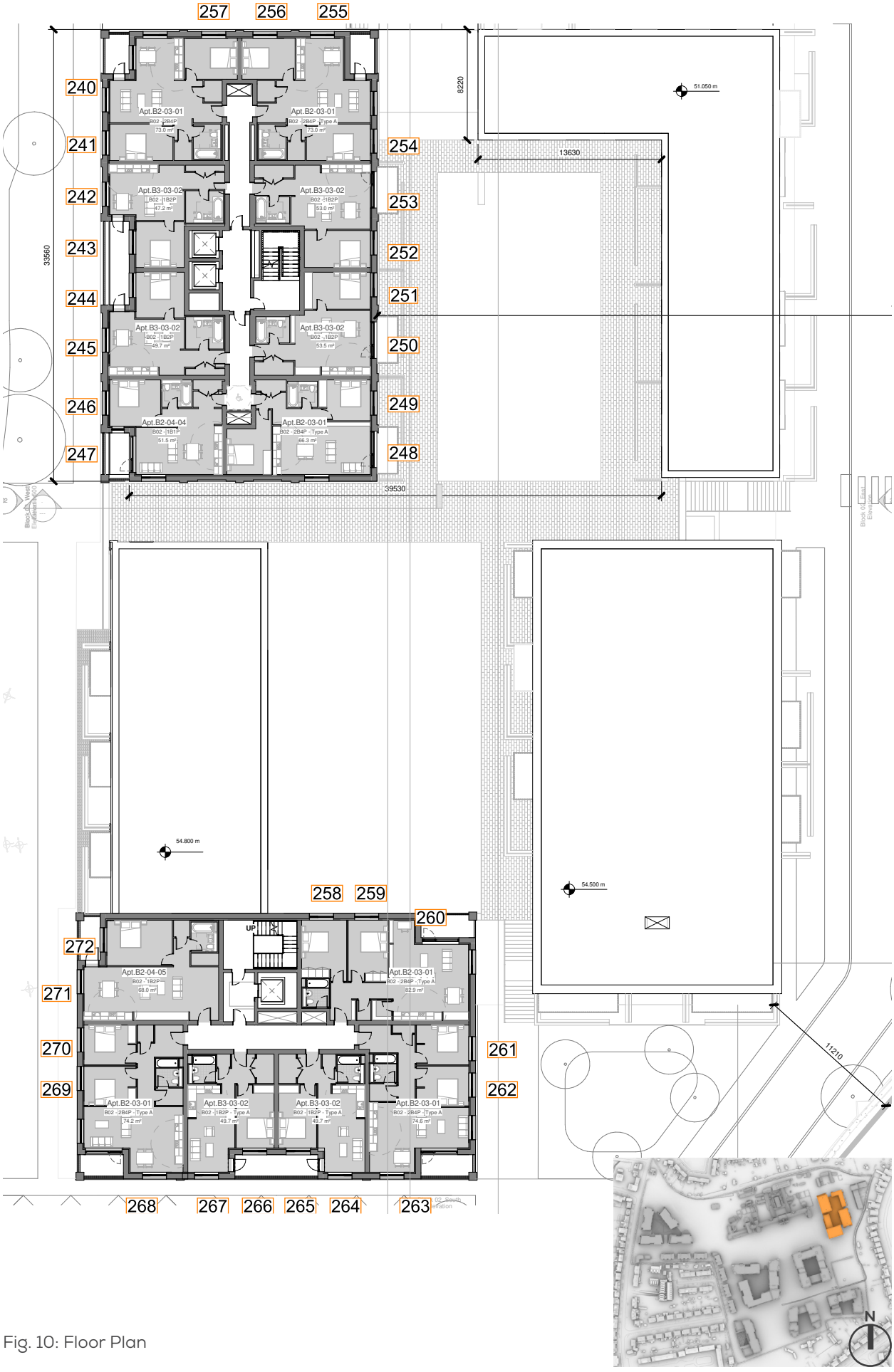



Fig. 10: Floor Plan

## Block 02A - Fourth Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 02 - FOURTH FLOOR | | | | | | |
| 273 | L/K/D | 3.9 | 100 | N/A | 50 | 15 |
| 274 | Bedroom | 4.1 | 100 | MET | | |
| 275 | L/K/D | 2.3 | 98 | MET | 50 | 15 |
| 276 | Bedroom | 2 | 98 | MET | | |
| 277 | Bedroom | 2 | 98 | MET | | |
| 278 | L/K/D | 2.2 | 98 | MET | 50 | 15 |
| 279 | Bedroom | 4.7 | 99 | MET | | |
| 280 | L/K/D | 3.3 | 100 | N/A | 89 | 30 |
| 281 | L/K/D | 4.6 | 100 | N/A | 82 | 28 |
| 282 | Bedroom | 4.5 | 99 | MET | | |
| 283 | L/K/D | 2.4 | 98 | MET | | |
| 284 | Bedroom | 2.8 | 99 | MET | | |
| 285 | Bedroom | 2.9 | 99 | MET | | |
| 286 | L/K/D | 2.3 | 98 | MET | | |
| 287 | Bedroom | 3 | 100 | MET | | |
| 288 | L/K/D | 3.5 | 100 | N/A | | |
| 289 | Bedroom | 3.6 | 99 | MET | | |
| 290 | Bedroom | 3.6 | 99 | MET | | |
| 291 | Bedroom | 3.8 | 99 | MET | | |
| 292 | Bedroom | 4 | 100 | MET | | |
| 293 | L/K/D | 2.9 | 95 | N/A | | |
| 294 | Bedroom | 4.4 | 99 | MET | | |
| 295 | Bedroom | 4.4 | 100 | MET | | |
| 296 | L/K/D | 4.6 | 99 | N/A | 81 | 27 |
| 297 | L/K/D | 2.3 | 97 | MET | 75 | 26 |
| 298 | Bedroom | 2 | 99 | MET | | |
| 299 | Bedroom | 2 | 99 | MET | | |
| 300 | L/K/D | 2.6 | 98 | MET | 75 | 26 |
| 301 | L/K/D | 4.4 | 99 | N/A | 93 | 28 |
| 302 | Bedroom | 4.3 | 99 | MET | | |
| 303 | Bedroom | 4.4 | 99 | MET | | |
| 304 | L/K/D | 1.7 | 100 | MET | 48 | 13 |
| 305 | Bedroom | 1.7 | 98 | MET | | |

Table 09: Assessment Data

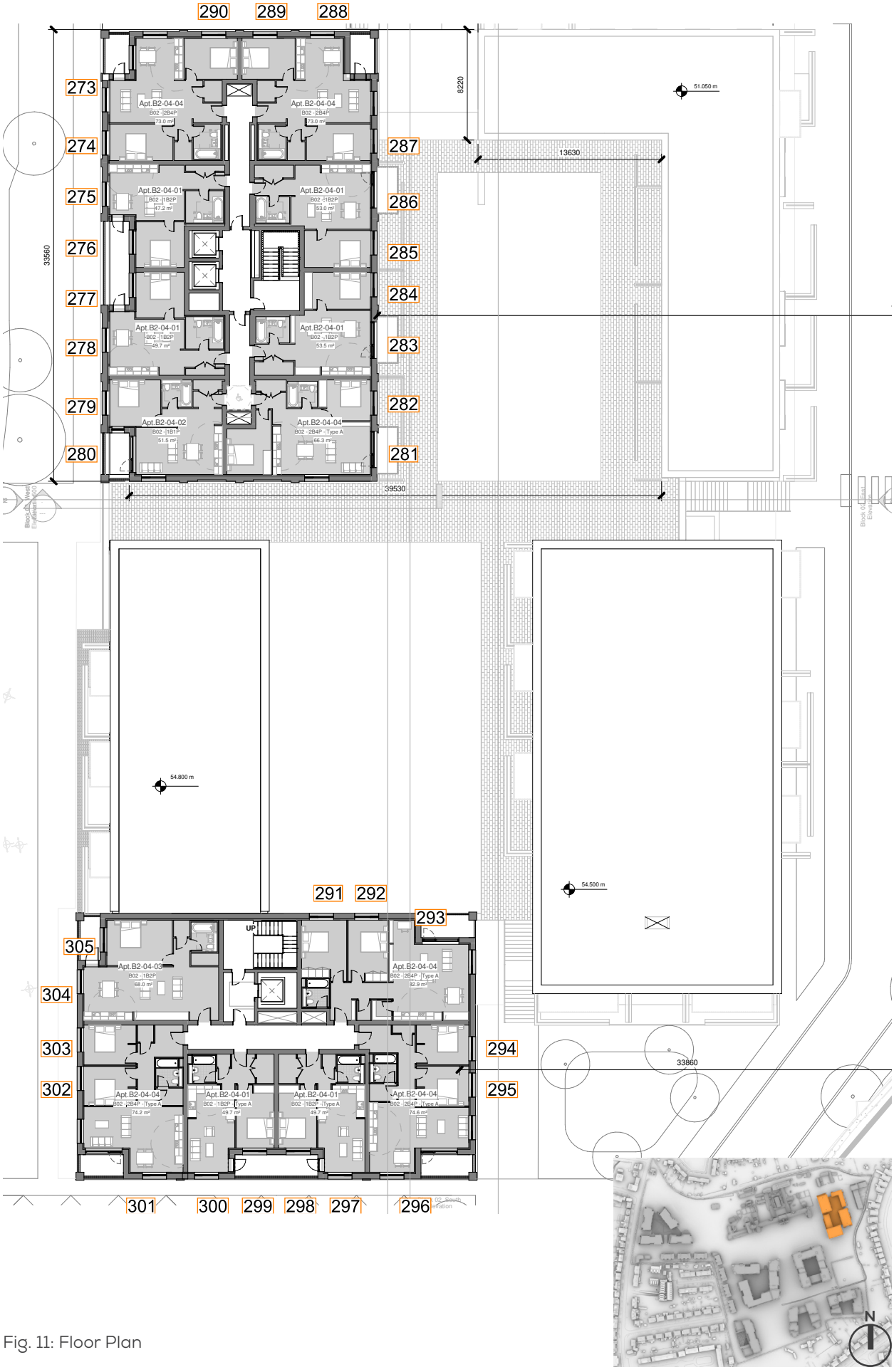



Fig. 11: Floor Plan

## Block 02B - Lower Ground Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 02B - LOWER GROUND FLOOR | | | | | | |
| 306 | L/K/D | 1.7 | 98 | N/A | 39 | 8 |
| 307 | Bedroom | 2.4 | 96 | MET | | |
| 308 | Bedroom | 2.5 | 97 | MET | | |
| 309 | Bedroom | 2.6 | 97 | MET | | |
| 310 | Bedroom | 2.5 | 96 | MET | | |
| 311 | L/K/D | 0.9 | 97 | MET | | |
| 312 | L/K/D | 2.8 | 100 | N/A | 76 | 25 |
| 313 | L/K/D | 2.4 | 96 | N/A | 63 | 12 |

Table 10: Assessment Data


Fig. 12: Floor Plan

## Block 02B - Ground Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 02B - GROUND FLOOR | | | | | | |
| 314 | L/K/D | 2.2 | 99 | N/A | 44 | 11 |
| 315 | Bedroom | 2.4 | 96 | MET | | |
| 316 | Bedroom | 2.5 | 97 | MET | | |
| 317 | Bedroom | 2.6 | 97 | MET | | |
| 318 | Bedroom | 2.5 | 96 | MET | | |
| 319 | L/K/D | 2.7 | 100 | MET | 76 | 26 |
| 320 | Bedroom | 3.2 | 98 | MET | | |
| 321 | Bedroom | 2.5 | 96 | MET | | |
| 322 | Bedroom | 3.6 | 97 | MET | | |
| 323 | Bedroom | 3.4 | 95 | MET | | |
| 324 | Bedroom | 2.8 | 98 | MET | | |
| 325 | Bedroom | 2.1 | 90 | MET | | |

Table 11: Assessment Data


Fig. 13: Floor Plan

## Block 02B - First Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 02B - FIRST FLOOR | | | | | | |
| 326 | L/K/D | 2.8 | 100 | N/A | 45 | 12 |
| 327 | Bedroom | 2.5 | 96 | MET | | |
| 328 | Bedroom | 2.5 | 97 | MET | | |

Table 12: Assessment Data

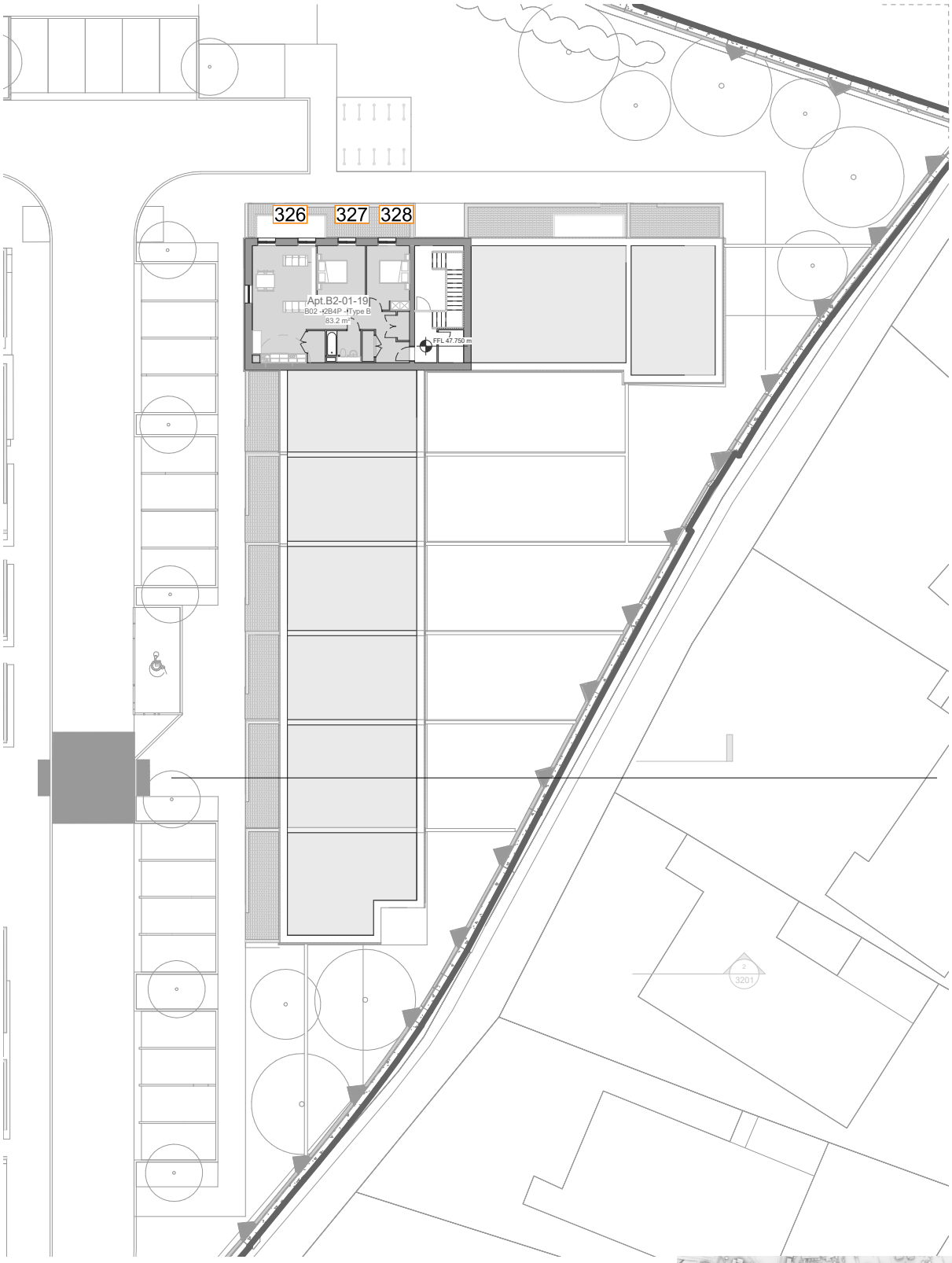



Fig. 14: Floor Plan

## Block 03 - Ground Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 03 - GROUND FLOOR | | | | | | |
| 329 | L/K/D | 2.6 | 99 | N/A | 9 | 0 |
| 330 | Bedroom | 4.5 | 100 | MET | | |
| 331 | L/K/D | 2.5 | 100 | N/A | | |
| 332 | Bedroom | 2.1 | 100 | N/A | | |
| 333 | Bedroom | 3.2 | 100 | MET | | |
| 334 | Bedroom | 0.5 | 68 | MET | | |
| 335 | L/K/D | 1.9 | 98 | N/A | | |
| 336 | Bedroom | 3.2 | 100 | MET | | |
| 337 | Bedroom | 2.3 | 97 | N/A | | |
| 338 | L/K/D | 1.7 | 98 | N/A | 27 | 6 |
| 339 | L/K/D | 3 | 98 | N/A | 23 | 4 |
| 340 | Studio | 1.3 | 94 | N/A | | |
| 341 | Bedroom | 3.4 | 100 | MET | | |
| 342 | Bedroom | 2.1 | 97 | N/A | | |
| 343 | L/K/D | 2.4 | 100 | N/A | 67 | 12 |
| 344 | Bedroom | 3.7 | 99 | MET | | |
| 345 | L/K/D | 2.2 | 91 | N/A | 48 | 13 |
| 346 | L/K/D | 1.9 | 71 | N/A | 5 | 5 |
| 347 | Bedroom | 2.5 | 92 | MET | | |
| 348 | Bedroom | 1 | 57 | MET | | |
| 349 | Bedroom | 0.9 | 67 | MET | | |
| 350 | L/K/D | 1.4 | 52 | N/A | 9 | 0 |
| 351 | Bedroom | 0.7 | 43 | MET | | |
| 352 | Bedroom | 0.6 | 51 | MET | | |
| 353 | L/K/D | 1.9 | 65 | N/A | 29 | 7 |
| 354 | Bedroom | 1.2 | 54 | MET | | |

Table 13: Assessment Data

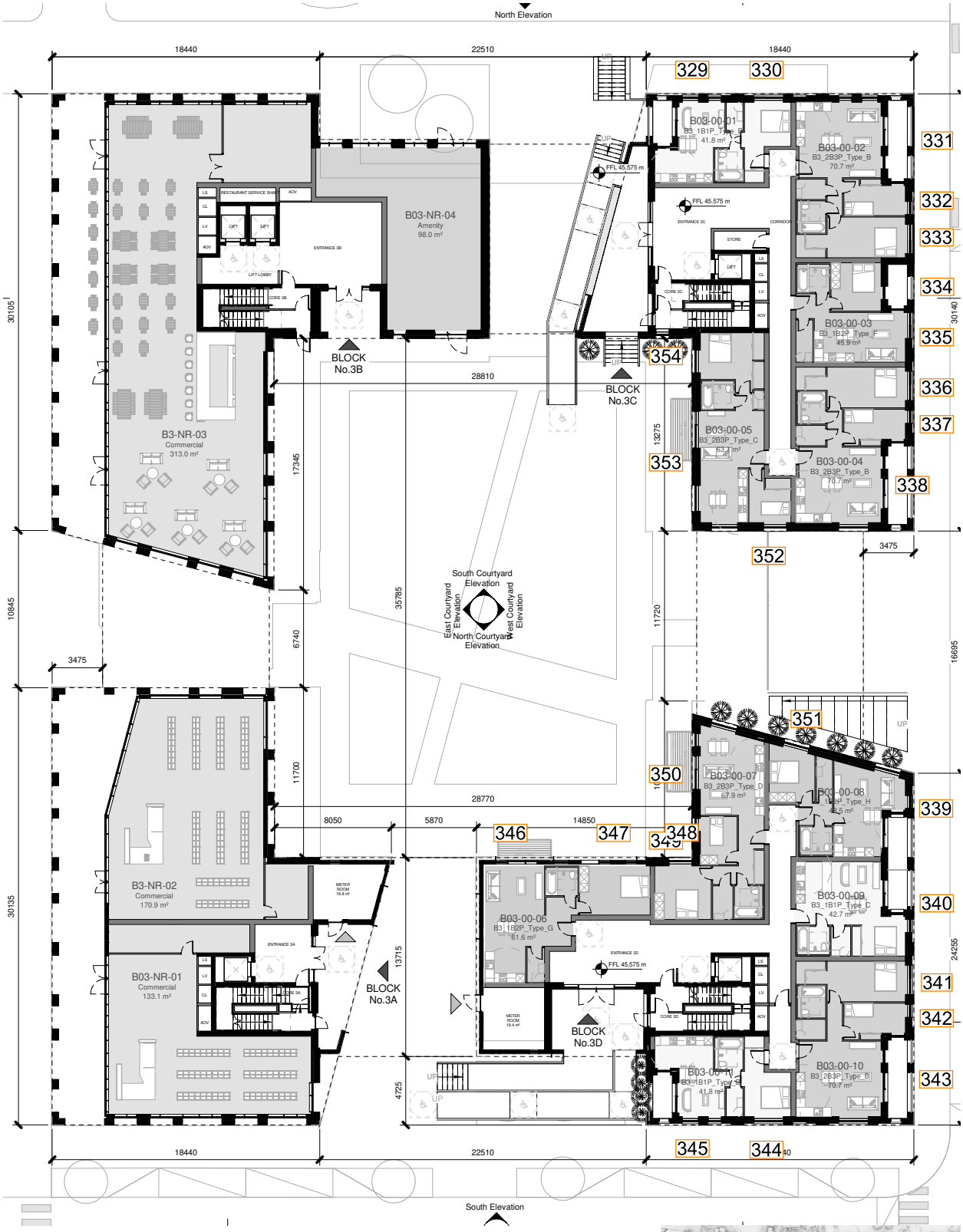



Fig. 15: Floor Plan

## Block 03 - First Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 03 - FIRST FLOOR | | | | | | |
| 355 | L/K/D | 3.8 | 94 | N/A | 26 | 10 |
| 356 | Bedroom | 4.8 | 99 | MET | | |
| 357 | L/K/D | 3.6 | 99 | N/A | | |
| 358 | Bedroom | 4.7 | 99 | MET | | |
| 359 | Bedroom | 4.1 | 98 | MET | | |
| 360 | Bedroom | 5.9 | 99 | MET | | |
| 361 | Bedroom | 2.8 | 96 | MET | | |
| 362 | L/K/D | 2.8 | 100 | N/A | 11 | 0 |
| 363 | Bedroom | 4.6 | 99 | MET | | |
| 364 | L/K/D | 4 | 100 | N/A | | |
| 365 | Bedroom | 1.7 | 93 | MET | | |
| 366 | Bedroom | 3.5 | 100 | MET | | |
| 367 | Bedroom | 1.3 | 95 | MET | | |
| 368 | L/K/D | 1.9 | 98 | MET | | |
| 369 | Bedroom | 3.6 | 100 | MET | | |
| 370 | Bedroom | 1.7 | 93 | MET | | |
| 371 | L/K/D | 2.6 | 100 | N/A | 40 | 8 |
| 372 | Bedroom | 1.7 | 91 | MET | | |
| 373 | L/K/D | 2.4 | 100 | N/A | 52 | 10 |
| 374 | L/K/D | 2.4 | 99 | MET | | |
| 375 | Bedroom | 2.8 | 95 | MET | | |
| 376 | L/K/D | 2.1 | 97 | N/A | | |
| 377 | Bedroom | 3.3 | 100 | MET | | |
| 378 | L/K/D | 2 | 99 | MET | | |
| 379 | Bedroom | 1.3 | 94 | MET | | |
| 380 | Bedroom | 3.6 | 100 | MET | | |
| 381 | Bedroom | 1.7 | 93 | MET | | |
| 382 | L/K/D | 3.7 | 100 | N/A | 70 | 16 |
| 383 | Bedroom | 4 | 99 | MET | | |
| 384 | L/K/D | 3.2 | 93 | N/A | 49 | 16 |
| 385 | Bedroom | 0.8 | 90 | MET | | |
| 386 | L/K/D | 1.9 | 92 | MET | 31 | 18 |
| 387 | L/K/D | 1.7 | 99 | N/A | 23 | 16 |
| 388 | Bedroom | 3.7 | 99 | MET | | |
| 389 | Bedroom | 3.2 | 100 | MET | | |
| 390 | Bedroom | 1.2 | 78 | MET | | |
| 391 | Bedroom | 1.7 | 77 | MET | | |
| 392 | L/K/D | 1.3 | 53 | MET | 17 | 0 |
| 393 | Bedroom | 3.6 | 99 | MET | | |
| 394 | Bedroom | 2.1 | 63 | MET | | |
| 395 | Bedroom | 2 | 72 | MET | | |
| 396 | L/K/D | 1.4 | 42 | MET | 22 | 8 |
| 397 | Bedroom | 1.5 | 70 | MET | | |
| 398 | L/K/D | 1.5 | 97 | MET | 17 | 13 |
| 399 | Bedroom | 1.2 | 79 | MET | | |
| 400 | L/K/D | 1.4 | 89 | MET | 13 | 11 |
| 401 | L/K/D | 1.1 | 91 | MET | 10 | 9 |
| 402 | Bedroom | 2.2 | 95 | MET | | |
| 403 | L/K/D | 1.5 | 97 | MET | 16 | 8 |
| 404 | Bedroom | 1.4 | 69 | MET | | |
| 405 | L/K/D | 1.2 | 37 | MET | | |
| 406 | L/K/D | 1.5 | 50 | MET | | |
| 407 | Bedroom | 1.9 | 67 | MET | | |
| 408 | Bedroom | 2.3 | 72 | MET | | |
| 409 | Bedroom | 3.8 | 96 | MET | | |
| 410 | L/K/D | 1.6 | 40 | MET | | |
| 411 | Bedroom | 1.9 | 81 | MET | | |
| 412 | Bedroom | 1.4 | 76 | MET | | |
| 413 | L/K/D | 3.4 | 94 | N/A | 46 | 19 |
| 414 | Bedroom | 4 | 99 | MET | | |
| 415 | L/K/D | 4.1 | 99 | N/A | 79 | 19 |
| 416 | Bedroom | 1.5 | 93 | MET | | |
| 417 | Bedroom | 3.2 | 100 | MET | | |
| 418 | L/K/D | 1.6 | 94 | MET | 33 | 12 |
| 419 | Bedroom | 1.1 | 95 | MET | | |
| 420 | Bedroom | 3.1 | 99 | MET | | |
| 421 | Bedroom | 1.5 | 93 | MET | | |
| 422 | L/K/D | 2.1 | 74 | N/A | 27 | 13 |
| 423 | Bedroom | 2.3 | 98 | MET | | |
| 424 | L/K/D | 1.7 | 82 | MET | 21 | 9 |
| 425 | Bedroom | 1.5 | 66 | N/A | | |
| 426 | L/K/D | 1.2 | 55 | MET | 23 | 11 |
| 427 | Bedroom | 3.1 | 94 | MET | | |
| 428 | Bedroom | 2.7 | 96 | MET | | |
| 429 | Bedroom | 1.2 | 61 | MET | | |

Table 14: Assessment Data

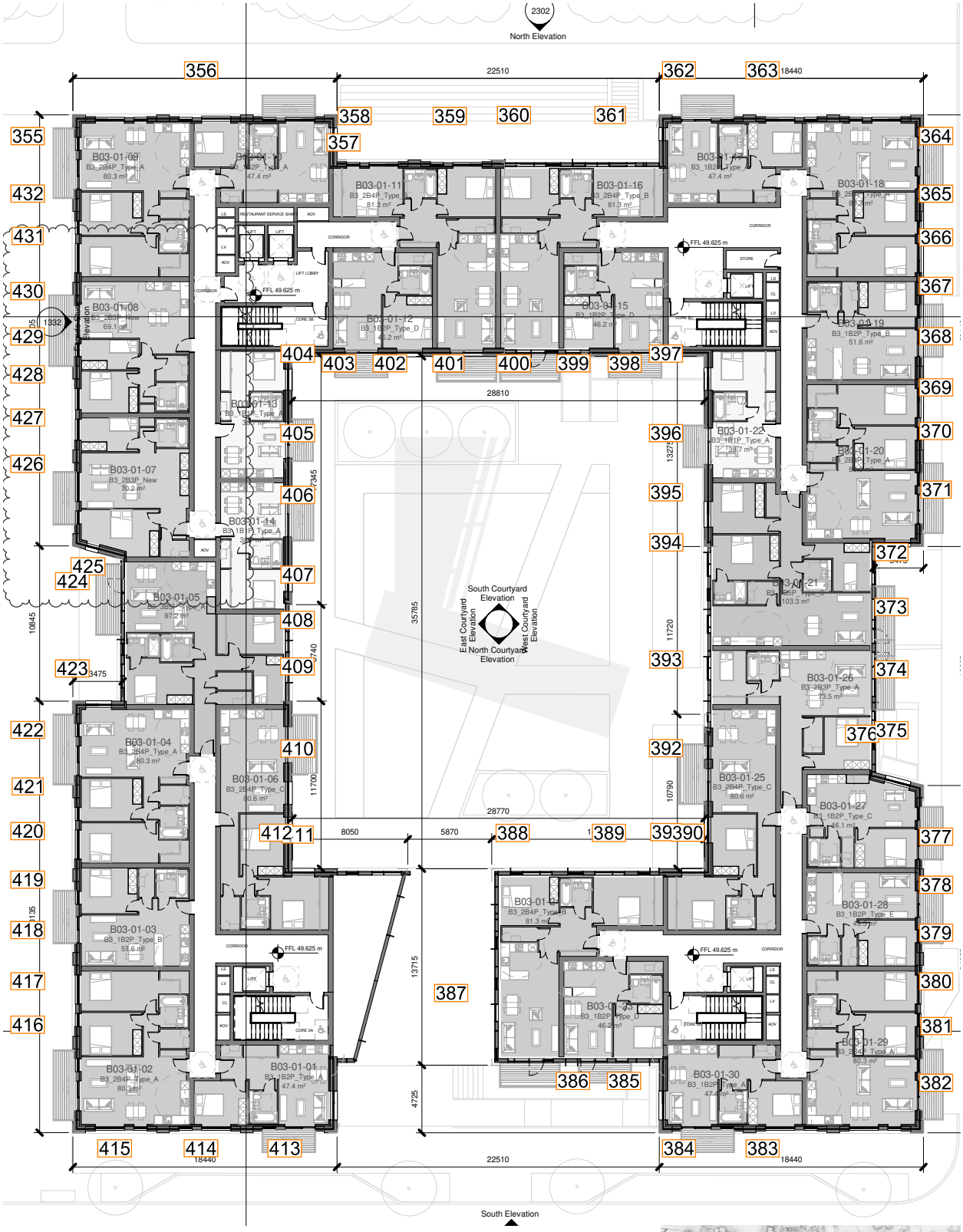



Fig. 16: Floor Plan

## Block 03 - Second Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 03 - SECOND FLOOR | | | | | | |
| 433 | L/K/D | 3.9 | 96 | N/A | 30 | 12 |
| 434 | Bedroom | 4.8 | 99 | MET | | |
| 435 | L/K/D | 3.7 | 99 | N/A | | |
| 436 | Bedroom | 4.8 | 99 | MET | | |
| 437 | Bedroom | 4.1 | 98 | MET | | |
| 438 | Bedroom | 5.9 | 99 | MET | | |
| 439 | Bedroom | 2.9 | 96 | MET | | |
| 440 | L/K/D | 3 | 100 | N/A | 12 | 0 |
| 441 | Bedroom | 4.7 | 99 | MET | | |
| 442 | L/K/D | 4.1 | 100 | N/A | | |
| 443 | Bedroom | 1.7 | 93 | MET | | |
| 444 | Bedroom | 3.5 | 100 | MET | | |
| 445 | Bedroom | 1.3 | 95 | MET | | |
| 446 | L/K/D | 1.9 | 98 | MET | | |
| 447 | Bedroom | 3.6 | 100 | MET | | |
| 448 | Bedroom | 1.7 | 93 | MET | | |
| 449 | L/K/D | 2.6 | 100 | N/A | 41 | 9 |
| 450 | Bedroom | 1.7 | 91 | MET | | |
| 451 | L/K/D | 2.5 | 100 | N/A | 58 | 13 |
| 452 | L/K/D | 2.4 | 99 | MET | | |
| 453 | Bedroom | 2.8 | 95 | MET | | |
| 454 | L/K/D | 2.1 | 97 | N/A | | |
| 455 | Bedroom | 3.4 | 100 | MET | | |
| 456 | L/K/D | 2 | 99 | MET | | |
| 457 | Bedroom | 1.3 | 94 | MET | | |
| 458 | Bedroom | 3.6 | 100 | MET | | |
| 459 | Bedroom | 1.7 | 93 | MET | | |
| 460 | L/K/D | 3.9 | 100 | N/A | 74 | 20 |
| 461 | Bedroom | 4.2 | 99 | MET | | |
| 462 | L/K/D | 3.6 | 95 | N/A | 56 | 21 |
| 463 | Bedroom | 0.9 | 92 | MET | | |
| 464 | L/K/D | 2 | 95 | MET | 36 | 21 |
| 465 | L/K/D | 1.5 | 99 | N/A | 27 | 20 |
| 466 | L/K/D | 1.4 | 99 | N/A | 27 | 20 |
| 467 | L/K/D | 2.1 | 95 | MET | 32 | 17 |
| 468 | Bedroom | 0.9 | 93 | MET | | |
| 469 | L/K/D | 3.7 | 95 | N/A | 48 | 21 |
| 470 | Bedroom | 4.1 | 99 | MET | | |
| 471 | L/K/D | 4.3 | 100 | N/A | 86 | 24 |
| 472 | Bedroom | 1.5 | 93 | MET | | |
| 473 | Bedroom | 3.2 | 100 | MET | | |
| 474 | L/K/D | 1.7 | 99 | MET | 36 | 13 |
| 475 | Bedroom | 1.2 | 95 | MET | | |
| 476 | Bedroom | 3.2 | 100 | MET | | |
| 477 | Bedroom | 1.5 | 93 | MET | | |
| 478 | L/K/D | 2.2 | 95 | N/A | 28 | 13 |
| 479 | Bedroom | 2.4 | 98 | MET | | |
| 480 | L/K/D | 1.8 | 99 | MET | 22 | 9 |
| 481 | Bedroom | 1.6 | 79 | N/A | | |
| 482 | L/K/D | 1.3 | 80 | MET | 25 | 11 |
| 483 | Bedroom | 3.3 | 99 | MET | | |
| 484 | Bedroom | 2.8 | 99 | MET | | |
| 485 | Bedroom | 1.3 | 87 | MET | | |
| 486 | L/K/D | 1.3 | 66 | MET | 18 | 7 |
| 487 | Bedroom | 3 | 89 | MET | | |
| 488 | Bedroom | 1.5 | 93 | MET | | |
| 489 | L/K/D | 1.7 | 98 | MET | 21 | 10 |
| 490 | Bedroom | 2.4 | 97 | MET | | |
| 491 | L/K/D | 1.2 | 95 | MET | 15 | 13 |
| 492 | L/K/D | 1.6 | 94 | MET | 17 | 13 |
| 493 | Bedroom | 1.3 | 84 | MET | | |
| 494 | L/K/D | 1.7 | 99 | MET | 19 | 14 |
| 495 | Bedroom | 1.7 | 92 | MET | | |
| 496 | L/K/D | 1.6 | 61 | MET | 26 | 9 |
| 497 | Bedroom | 2.3 | 96 | MET | | |
| 498 | Bedroom | 2.4 | 82 | MET | | |
| 499 | Bedroom | 4 | 99 | MET | | |
| 500 | L/K/D | 1.6 | 77 | MET | 21 | 1 |
| 501 | Bedroom | 2 | 90 | MET | | |
| 502 | Bedroom | 1.2 | 76 | MET | | |
| 503 | Bedroom | 3.2 | 99 | MET | | |
| 504 | Bedroom | 4.3 | 100 | MET | | |
| 505 | Bedroom | 4.3 | 99 | MET | | |
| 506 | Bedroom | 3.2 | 99 | MET | | |
| 507 | Bedroom | 1.3 | 75 | MET | | |
| 508 | Bedroom | 2.2 | 94 | MET | | |
| 509 | L/K/D | 1.9 | 63 | MET | | |
| 510 | Bedroom | 4.2 | 99 | MET | | |
| 511 | Bedroom | 2.6 | 96 | MET | | |

Table 15: Assessment Data

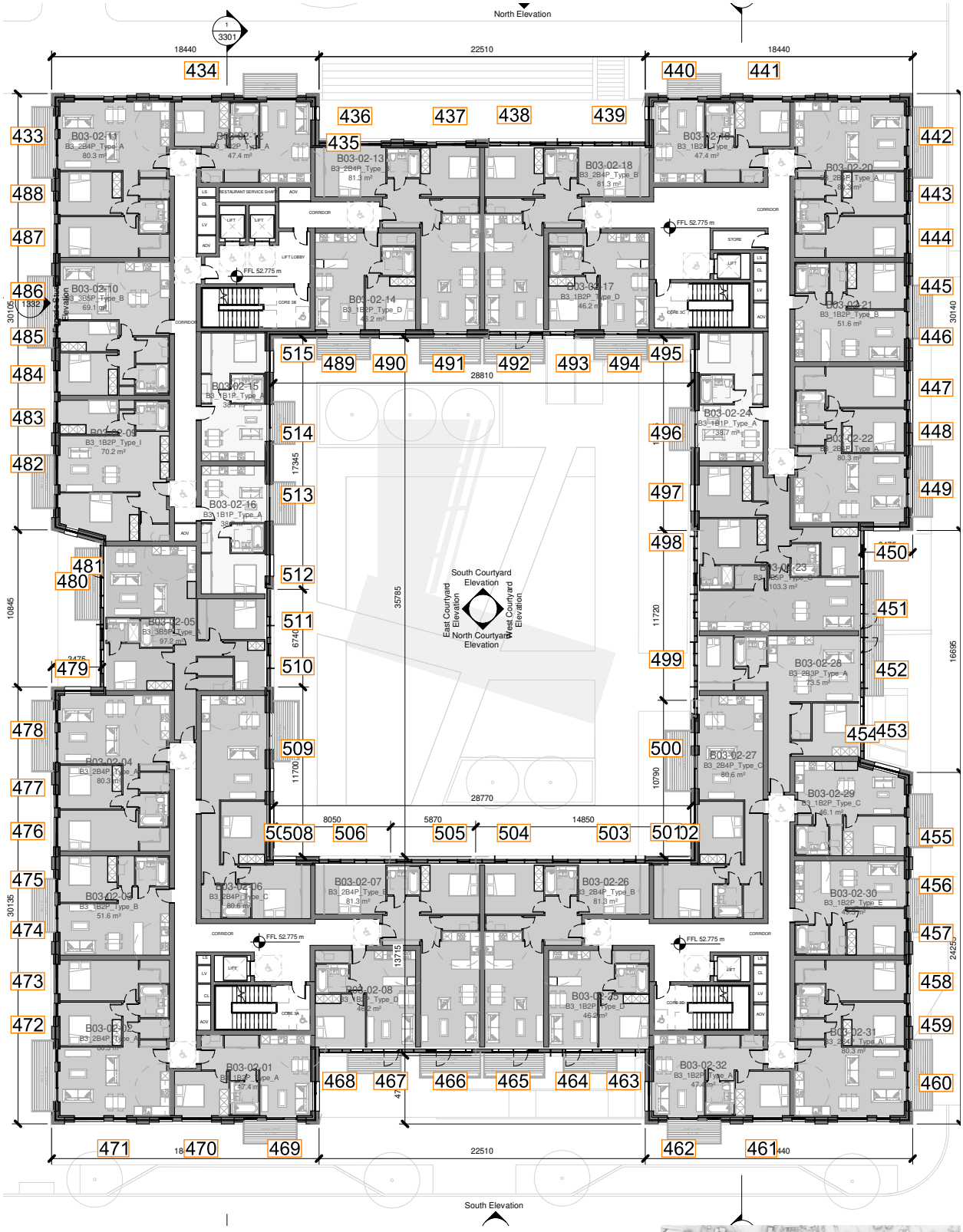



Fig. 17: Floor Plan

# Block 03 - Third Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 03 - THIRD FLOOR | | | | | | |
| 516 | L/K/D | 3.9 | 98 | N/A | 32 | 13 |
| 517 | Bedroom | 4.6 | 99 | MET | | |
| 518 | L/K/D | 3.8 | 100 | N/A | | |
| 519 | Bedroom | 4.6 | 99 | MET | | |
| 520 | Bedroom | 3.9 | 98 | MET | | |
| 521 | Bedroom | 6 | 99 | MET | | |
| 522 | Bedroom | 2.9 | 96 | MET | | |
| 523 | L/K/D | 3 | 100 | N/A | 12 | 0 |
| 524 | Bedroom | 4.5 | 99 | MET | | |
| 525 | L/K/D | 4 | 100 | N/A | | |
| 526 | Bedroom | 1.6 | 93 | MET | | |
| 527 | Bedroom | 3.4 | 100 | MET | | |
| 528 | Bedroom | 1.4 | 95 | MET | | |
| 529 | L/K/D | 1.9 | 98 | MET | | |
| 530 | Bedroom | 3.4 | 100 | MET | | |
| 531 | Bedroom | 1.6 | 93 | MET | | |
| 532 | L/K/D | 2.7 | 100 | N/A | 41 | 9 |
| 533 | Bedroom | 1.7 | 91 | MET | | |
| 534 | L/K/D | 2.6 | 100 | N/A | 65 | 17 |
| 535 | L/K/D | 2.4 | 99 | MET | | |
| 536 | Bedroom | 2.8 | 95 | MET | | |
| 537 | L/K/D | 2.2 | 97 | N/A | | |
| 538 | Bedroom | 3.4 | 100 | MET | | |
| 539 | L/K/D | 2.1 | 99 | MET | | |
| 540 | Bedroom | 1.4 | 94 | MET | | |
| 541 | Bedroom | 3.4 | 100 | MET | | |
| 542 | Bedroom | 1.6 | 93 | MET | | |
| 543 | L/K/D | 3.9 | 100 | N/A | 77 | 24 |
| 544 | Bedroom | 4.1 | 99 | MET | | |
| 545 | L/K/D | 4 | 100 | N/A | 61 | 24 |
| 546 | Bedroom | 1.4 | 92 | MET | | |
| 547 | L/K/D | 3.2 | 96 | MET | 64 | 25 |
| 548 | L/K/D | 2.5 | 100 | N/A | 71 | 26 |
| 549 | L/K/D | 2.5 | 99 | N/A | 68 | 23 |
| 550 | L/K/D | 3.2 | 96 | MET | 58 | 20 |
| 551 | Bedroom | 1.4 | 93 | MET | | |
| 552 | L/K/D | 4.2 | 100 | N/A | 51 | 24 |
| 553 | Bedroom | 4 | 99 | MET | | |
| 554 | L/K/D | 4.3 | 100 | N/A | 89 | 26 |
| 555 | Bedroom | 1.5 | 93 | MET | | |
| 556 | Bedroom | 3.2 | 100 | MET | | |
| 557 | L/K/D | 1.8 | 99 | MET | 36 | 14 |
| 558 | Bedroom | 1.3 | 95 | MET | | |
| 559 | Bedroom | 3.1 | 100 | MET | | |
| 560 | Bedroom | 1.5 | 93 | MET | | |
| 561 | L/K/D | 2.4 | 100 | N/A | 30 | 14 |
| 562 | Bedroom | 2.5 | 98 | MET | | |
| 563 | L/K/D | 1.9 | 99 | MET | 26 | 11 |
| 564 | Bedroom | 1.8 | 98 | N/A | | |
| 565 | L/K/D | 1.4 | 100 | MET | 30 | 13 |
| 566 | Bedroom | 3.2 | 99 | MET | | |
| 567 | Bedroom | 2.8 | 99 | MET | | |
| 568 | Bedroom | 1.4 | 98 | MET | | |
| 569 | L/K/D | 1.4 | 91 | MET | 21 | 8 |
| 570 | Bedroom | 3.1 | 100 | MET | | |
| 571 | Bedroom | 1.5 | 93 | MET | | |
| 572 | L/K/D | 1.9 | 99 | MET | 22 | 10 |
| 573 | Bedroom | 2.7 | 98 | MET | | |
| 574 | L/K/D | 1.4 | 97 | MET | 17 | 15 |
| 575 | L/K/D | 1.9 | 97 | MET | 24 | 17 |
| 576 | Bedroom | 1.5 | 87 | MET | | |
| 577 | L/K/D | 1.9 | 99 | MET | 23 | 18 |
| 578 | Bedroom | 1.9 | 99 | MET | | |
| 579 | L/K/D | 2 | 93 | MET | 32 | 13 |
| 580 | Bedroom | 2.7 | 98 | MET | | |
| 581 | Bedroom | 2.7 | 99 | MET | | |
| 582 | Bedroom | 4.5 | 99 | MET | | |
| 583 | L/K/D | 1.9 | 98 | MET | 31 | 8 |
| 584 | Bedroom | 2.4 | 90 | MET | | |
| 585 | Bedroom | 1.4 | 78 | MET | | |
| 586 | Bedroom | 3.6 | 99 | MET | | |
| 587 | Bedroom | 4.9 | 100 | MET | | |
| 588 | Bedroom | 4.9 | 100 | MET | | |
| 589 | Bedroom | 3.6 | 99 | MET | | |
| 590 | Bedroom | 1.5 | 77 | MET | | |
| 591 | Bedroom | 2.6 | 94 | MET | | |
| 592 | L/K/D | 2.3 | 98 | MET | | |
| 593 | Bedroom | 4.6 | 99 | MET | | |
| 594 | Bedroom | 2.9 | 99 | MET | | |

Table 16: Assessment Data

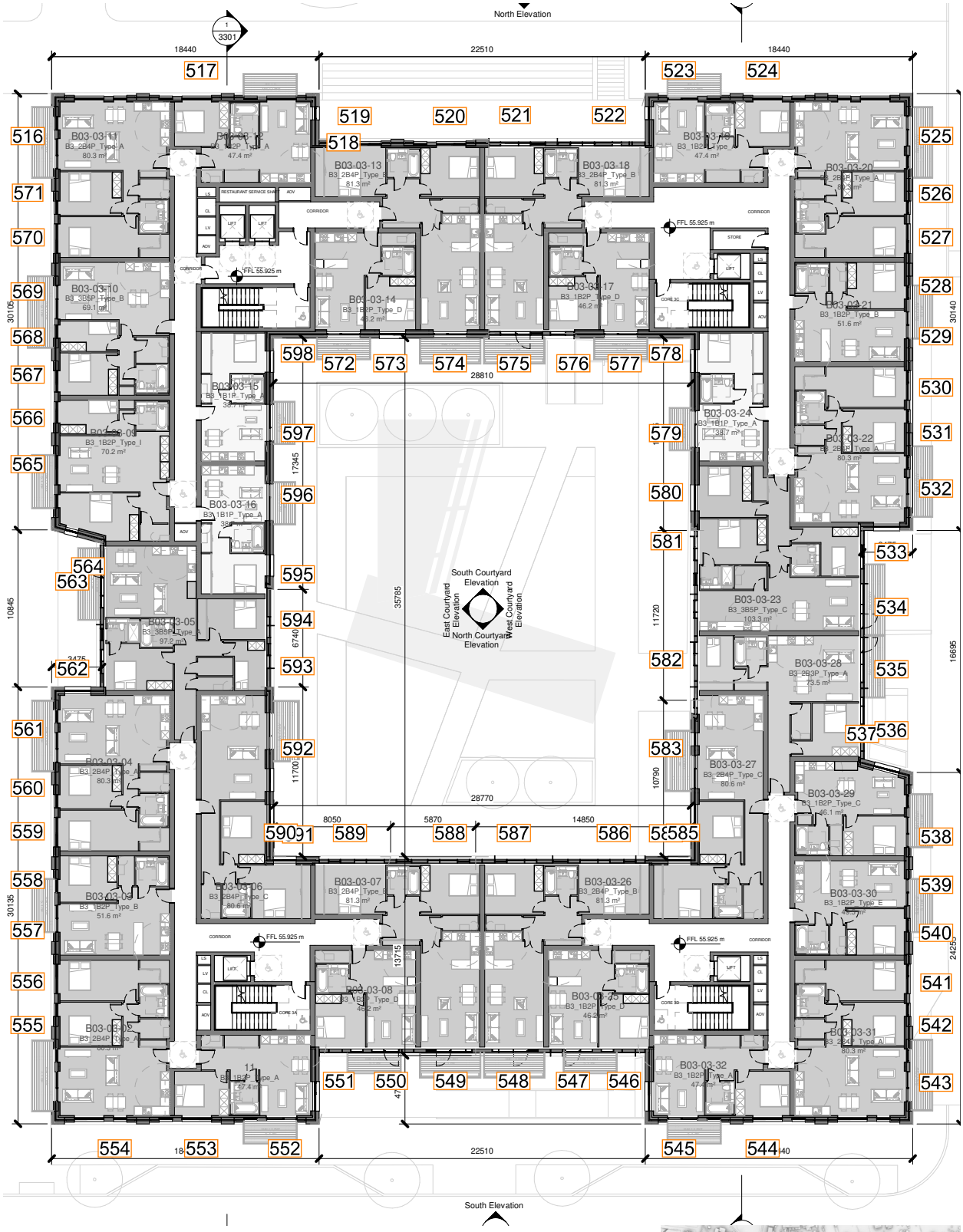



Fig. 18: Floor Plan

## Block 03 - Fourth Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 03 - FOURTH FLOOR | | | | | | |
| 599 | L/K/D | 4.2 | 100 | N/A | 33 | 14 |
| 600 | Bedroom | 4.9 | 99 | MET | | |
| 601 | L/K/D | 4 | 100 | N/A | | |
| 602 | Bedroom | 5 | 99 | MET | | |
| 603 | Bedroom | 4.3 | 99 | MET | | |
| 604 | Bedroom | 6.1 | 99 | MET | | |
| 605 | Bedroom | 3 | 96 | MET | | |
| 606 | L/K/D | 3.1 | 100 | N/A | 17 | 0 |
| 607 | Bedroom | 4.9 | 99 | MET | | |
| 608 | L/K/D | 4.3 | 100 | N/A | | |
| 609 | Bedroom | 1.7 | 93 | MET | | |
| 610 | Bedroom | 3.7 | 100 | MET | | |
| 611 | Bedroom | 1.4 | 95 | MET | | |
| 612 | L/K/D | 2 | 98 | MET | | |
| 613 | Bedroom | 3.7 | 100 | MET | | |
| 614 | Bedroom | 1.7 | 93 | MET | | |
| 615 | L/K/D | 2.8 | 100 | N/A | 45 | 9 |
| 616 | Bedroom | 1.7 | 91 | MET | | |
| 617 | L/K/D | 2.7 | 100 | N/A | 69 | 19 |
| 618 | L/K/D | 2.4 | 99 | MET | | |
| 619 | Bedroom | 2.8 | 95 | MET | | |
| 620 | L/K/D | 2.3 | 98 | N/A | | |
| 621 | Bedroom | 3.4 | 100 | MET | | |
| 622 | L/K/D | 2.1 | 99 | MET | | |
| 623 | Bedroom | 1.4 | 94 | MET | | |
| 624 | Bedroom | 3.7 | 100 | MET | | |
| 625 | Bedroom | 1.8 | 93 | MET | | |
| 626 | L/K/D | 4.2 | 100 | N/A | 81 | 27 |
| 627 | Bedroom | 4.7 | 99 | MET | | |
| 628 | L/K/D | 4.4 | 100 | N/A | 68 | 27 |
| 629 | Bedroom | 1.7 | 82 | MET | | |
| 630 | Bedroom | 2.8 | 93 | MET | | |
| 631 | L/K/D | 2.3 | 98 | MET | 37 | 9 |
| 632 | Bedroom | 4.8 | 99 | MET | | |
| 633 | Bedroom | 2.9 | 99 | MET | | |
| 634 | Bedroom | 2.9 | 98 | MET | | |
| 635 | L/K/D | 2.3 | 96 | MET | 32 | 13 |
| 636 | Bedroom | 2.3 | 99 | MET | | |
| 637 | L/K/D | 2.2 | 99 | MET | 28 | 20 |
| 638 | Bedroom | 1.7 | 90 | MET | | |
| 639 | L/K/D | 2.2 | 99 | MET | 33 | 19 |
| 640 | L/K/D | 1.7 | 98 | MET | 23 | 19 |
| 641 | Bedroom | 2.9 | 98 | MET | | |
| 642 | L/K/D | 2.1 | 99 | MET | 28 | 14 |
| 643 | Bedroom | 2.1 | 97 | MET | | |
| 644 | L/K/D | 2.1 | 90 | MET | | |
| 645 | L/K/D | 2.6 | 99 | MET | | |
| 646 | Bedroom | 2.7 | 97 | MET | | |
| 647 | Bedroom | 3.2 | 99 | MET | | |
| 648 | Bedroom | 5 | 99 | MET | | |
| 649 | L/K/D | 2.7 | 98 | MET | | |
| 650 | Bedroom | 2.9 | 94 | MET | | |
| 651 | Bedroom | 1.8 | 80 | MET | | |
| 652 | L/K/D | 4.7 | 100 | N/A | 56 | 27 |
| 653 | Bedroom | 4.6 | 99 | MET | | |
| 654 | L/K/D | 4.8 | 100 | N/A | 93 | 29 |
| 655 | Bedroom | 1.6 | 93 | MET | | |
| 656 | Bedroom | 3.5 | 100 | MET | | |
| 657 | L/K/D | 1.9 | 99 | MET | 39 | 14 |
| 658 | Bedroom | 1.3 | 95 | MET | | |
| 659 | Bedroom | 3.5 | 100 | MET | | |
| 660 | Bedroom | 1.7 | 93 | MET | | |
| 661 | L/K/D | 2.7 | 100 | N/A | 32 | 14 |
| 662 | Bedroom | 2.7 | 99 | MET | | |
| 663 | L/K/D | 2 | 99 | MET | 29 | 12 |
| 664 | Bedroom | 1.9 | 98 | N/A | | |
| 665 | L/K/D | 1.5 | 100 | MET | 31 | 13 |
| 666 | Bedroom | 3.7 | 99 | MET | | |
| 667 | Bedroom | 3.2 | 99 | MET | | |
| 668 | Bedroom | 1.5 | 98 | MET | | |
| 669 | L/K/D | 1.5 | 99 | MET | 23 | 9 |

Table 17: Assessment Data

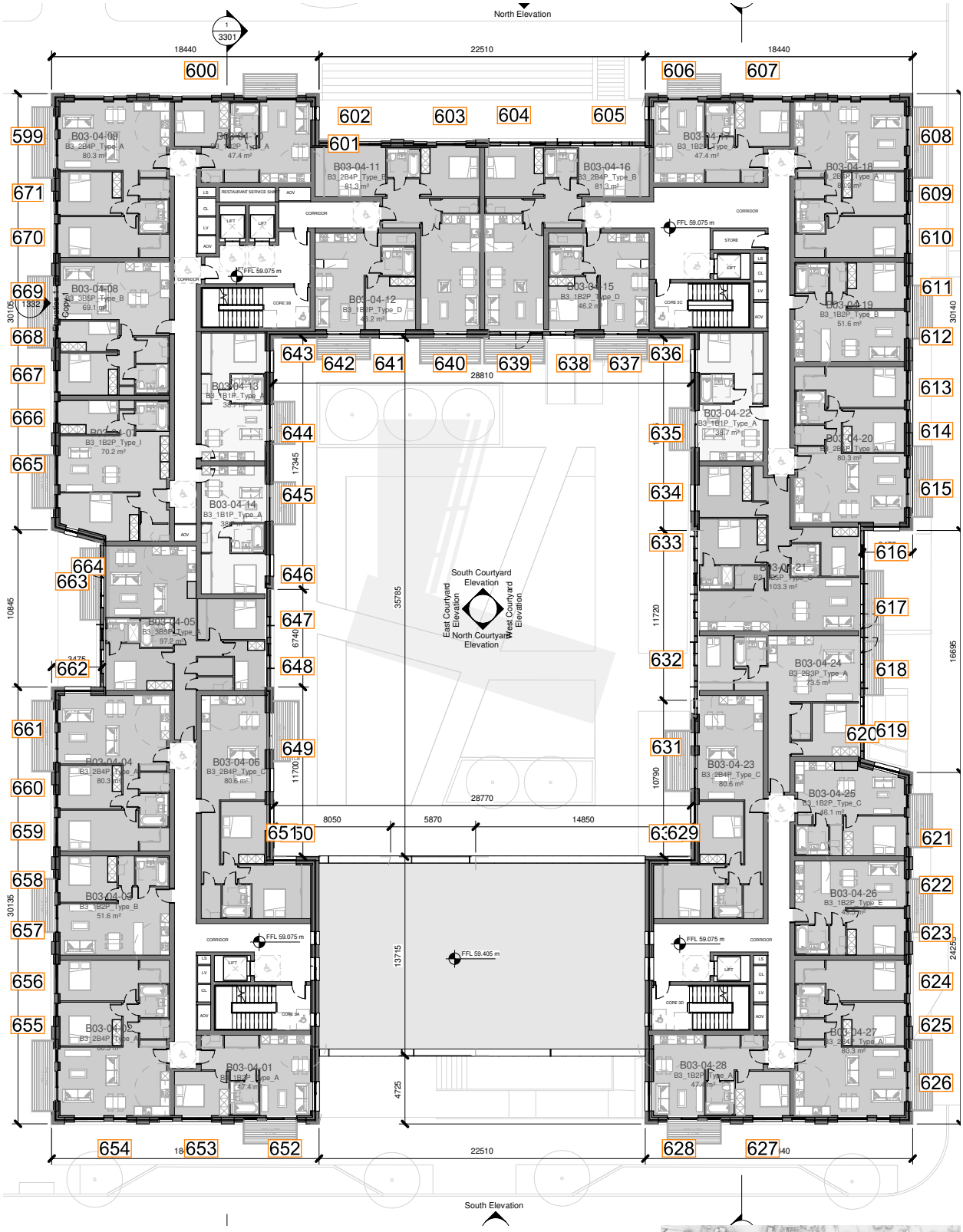



Fig. 19: Floor Plan

## Block 03 - Fifth Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 03 - FIFTH FLOOR | | | | | | |
| 672 | L/K/D | 5 | 100 | N/A | 52 | 16 |
| 673 | Bedroom | 4.9 | 99 | MET | | |
| 674 | L/K/D | 5 | 100 | N/A | | |
| 675 | Bedroom | 5.1 | 99 | MET | | |
| 676 | Bedroom | 4.2 | 99 | MET | | |
| 677 | Bedroom | 6.2 | 100 | MET | | |
| 678 | Bedroom | 3 | 97 | MET | | |
| 679 | L/K/D | 4.1 | 100 | N/A | 25 | 1 |
| 680 | Bedroom | 4.9 | 99 | MET | | |
| 681 | L/K/D | 5 | 100 | N/A | | |
| 682 | Bedroom | 1.7 | 93 | MET | | |
| 683 | Bedroom | 3.7 | 100 | MET | | |
| 684 | Bedroom | 1.9 | 95 | MET | | |
| 685 | L/K/D | 2.7 | 98 | MET | | |
| 686 | Bedroom | 3.7 | 100 | MET | | |
| 687 | Bedroom | 1.8 | 93 | MET | | |
| 688 | L/K/D | 3.8 | 100 | N/A | 56 | 14 |
| 689 | Bedroom | 2.1 | 93 | MET | | |
| 690 | L/K/D | 3.6 | 100 | N/A | 88 | 24 |
| 691 | L/K/D | 3.5 | 100 | MET | | |
| 692 | Bedroom | 3.1 | 96 | MET | | |
| 693 | L/K/D | 2.7 | 98 | N/A | | |
| 694 | Bedroom | 4.8 | 100 | MET | | |
| 695 | L/K/D | 3 | 99 | MET | | |
| 696 | Bedroom | 1.9 | 94 | MET | | |
| 697 | Bedroom | 3.7 | 100 | MET | | |
| 698 | Bedroom | 1.7 | 93 | MET | | |
| 699 | L/K/D | 5 | 100 | N/A | 82 | 28 |
| 700 | Bedroom | 4.7 | 99 | MET | | |
| 701 | L/K/D | 5.6 | 100 | N/A | 94 | 29 |
| 702 | Bedroom | 2.1 | 89 | MET | | |
| 703 | Bedroom | 3.3 | 94 | MET | | |
| 704 | L/K/D | 3.5 | 98 | MET | 48 | 13 |
| 705 | Bedroom | 5 | 99 | MET | | |
| 706 | Bedroom | 3.2 | 99 | MET | | |
| 707 | Bedroom | 3.2 | 98 | MET | | |
| 708 | L/K/D | 3.8 | 100 | MET | 48 | 16 |
| 709 | Bedroom | 2.9 | 99 | MET | | |
| 710 | L/K/D | 3.7 | 99 | MET | 68 | 24 |
| 711 | Bedroom | 2.1 | 96 | MET | | |
| 712 | L/K/D | 3.9 | 100 | MET | 80 | 25 |
| 713 | L/K/D | 2.9 | 99 | MET | 75 | 25 |
| 714 | Bedroom | 3.4 | 98 | MET | | |
| 715 | L/K/D | 3.6 | 99 | MET | 68 | 20 |
| 716 | Bedroom | 2.7 | 97 | MET | | |
| 717 | L/K/D | 3.5 | 98 | MET | | |
| 718 | L/K/D | 3.9 | 99 | MET | | |
| 719 | Bedroom | 2.9 | 97 | MET | | |
| 720 | Bedroom | 3.4 | 99 | MET | | |
| 721 | Bedroom | 5.3 | 99 | MET | | |
| 722 | L/K/D | 3.9 | 99 | MET | | |
| 723 | Bedroom | 3.3 | 94 | MET | | |
| 724 | Bedroom | 2.1 | 87 | MET | | |
| 725 | L/K/D | 5.8 | 100 | N/A | 82 | 28 |
| 726 | Bedroom | 4.7 | 99 | MET | | |
| 727 | L/K/D | 5.6 | 100 | N/A | 95 | 30 |
| 728 | Bedroom | 1.6 | 93 | MET | | |
| 729 | Bedroom | 3.6 | 100 | MET | | |
| 730 | L/K/D | 2.8 | 99 | MET | 50 | 15 |
| 731 | Bedroom | 1.9 | 95 | MET | | |
| 732 | Bedroom | 3.6 | 100 | MET | | |
| 733 | Bedroom | 1.7 | 93 | MET | | |
| 734 | L/K/D | 3.7 | 100 | N/A | 51 | 16 |
| 735 | Bedroom | 2.9 | 100 | MET | | |
| 736 | L/K/D | 3.4 | 100 | MET | 54 | 17 |
| 737 | Bedroom | 2.5 | 99 | N/A | | |
| 738 | L/K/D | 2.2 | 100 | MET | 52 | 17 |
| 739 | Bedroom | 3.8 | 99 | MET | | |
| 740 | Bedroom | 3.3 | 99 | MET | | |
| 741 | Bedroom | 2.6 | 98 | MET | | |
| 742 | L/K/D | 2.4 | 99 | MET | 52 | 17 |

Table 18: Assessment Data

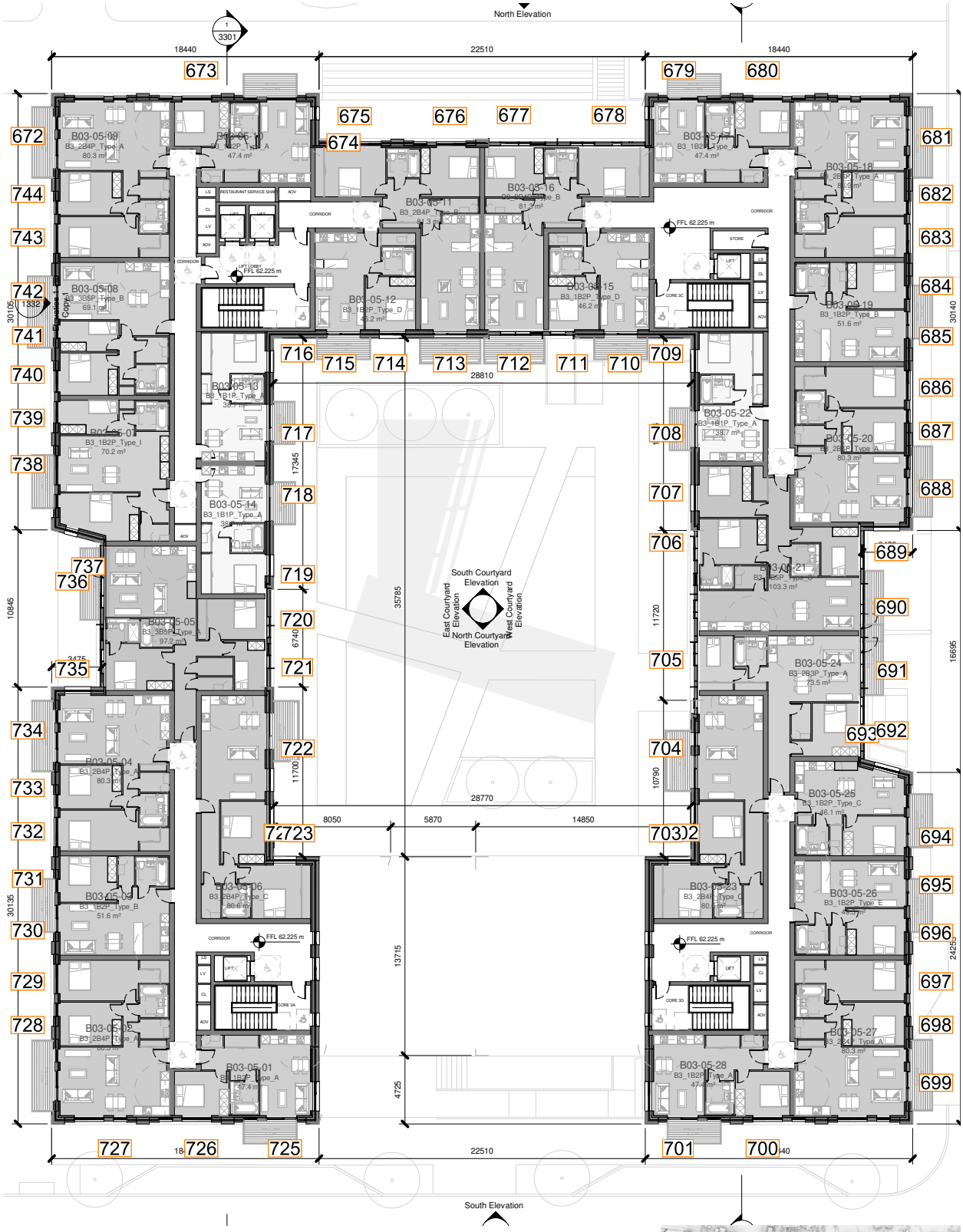



Fig. 20: Floor Plan

## Block 04 - Ground Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 04 - GROUND FLOOR | | | | | | |
| 745 | L/K/D | 3.8 | 98 | N/A | 76 | 26 |
| 746 | Studio | 1.3 | 56 | N/A | 16 | 9 |
| 747 | L/K/D | 0.5 | 38 | N/A | 17 | 3 |
| 748 | Bedroom | 0.4 | 25 | MET | | |
| 749 | Bedroom | 0.9 | 40 | MET | | |
| 750 | Bedroom | 0.6 | 33 | MET | | |
| 751 | L/K/D | 1.6 | 96 | N/A | 8 | 1 |
| 752 | Bedroom | 0.8 | 33 | MET | | |
| 753 | Bedroom | 0.6 | 44 | MET | | |
| 754 | Bedroom | 0.7 | 66 | MET | | |
| 755 | L/K/D | 0.7 | 69 | N/A | | |
| 756 | Bedroom | 2.4 | 100 | MET | | |
| 757 | Bedroom | 1.9 | 96 | MET | | |
| 758 | L/K/D | 2.4 | 100 | N/A | 5 | 0 |
| 759 | L/K/D | 2.6 | 100 | N/A | | |
| 760 | Bedroom | 2.2 | 97 | MET | | |
| 761 | Bedroom | 2.6 | 100 | MET | | |
| 762 | Bedroom | 4.1 | 100 | MET | | |
| 763 | L/K/D | 3.8 | 96 | N/A | | |
| 764 | Bedroom | 5.4 | 100 | N/A | | |
| 765 | Bedroom | 3.8 | 99 | MET | | |
| 766 | L/K/D | 1.8 | 94 | MET | | |
| 767 | Bedroom | 2.8 | 99 | MET | | |
| 768 | L/K/D | 2 | 100 | MET | | |
| 769 | L/K/D | 1.8 | 100 | MET | | |
| 770 | Bedroom | 3.3 | 100 | MET | | |
| 771 | L/K/D | 1.9 | 100 | MET | | |
| 772 | Bedroom | 3.3 | 99 | MET | | |
| 773 | L/K/D | 2.2 | 100 | MET | | |
| 774 | Bedroom | 3.3 | 99 | MET | | |
| 775 | L/K/D | 5.6 | 100 | N/A | 88 | 28 |
| 776 | Bedroom | 2.8 | 97 | MET | | |
| 777 | L/K/D | 4 | 99 | N/A | 81 | 27 |
| 778 | Bedroom | 1.4 | 86 | MET | | |
| 779 | Bedroom | 2.8 | 98 | MET | | |
| 780 | Bedroom | 2.4 | 86 | MET | | |
| 781 | Bedroom | 2.5 | 95 | MET | | |
| 782 | Bedroom | 1.1 | 83 | MET | | |
| 783 | L/K/D | 1 | 37 | N/A | 22 | 11 |
| 784 | Bedroom | 1.6 | 92 | MET | | |
| 785 | L/K/D | 1 | 94 | MET | 21 | 13 |
| 786 | Bedroom | 3 | 100 | MET | | |
| 787 | Bedroom | 2.8 | 100 | MET | | |
| 788 | L/K/D | 1.7 | 97 | N/A | 27 | 12 |
| 789 | Studio | 1.9 | 93 | N/A | 25 | 6 |
| 790 | Bedroom | 2.6 | 97 | MET | | |
| 791 | L/K/D | 5.3 | 99 | N/A | 80 | 25 |
| 792 | Bedroom | 2.7 | 97 | MET | | |
| 793 | Bedroom | 1.7 | 91 | MET | | |

Table 19: Assessment Data


Fig. 21: Floor Plan

## Block 04 - First Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 04 - FIRST FLOOR | | | | | | |
| 794 | L/K/D | 4 | 99 | N/A | 82 | 27 |
| 795 | L/K/D | 1 | 49 | MET | 8 | 0 |
| 796 | Bedroom | 1.7 | 81 | MET | | |
| 797 | L/K/D | 0.9 | 42 | N/A | 33 | 9 |
| 798 | Bedroom | 0.9 | 55 | MET | | |
| 799 | Bedroom | 2.1 | 61 | MET | | |
| 800 | Bedroom | 1.3 | 69 | MET | | |
| 801 | L/K/D | 2.9 | 97 | N/A | 23 | 9 |
| 802 | Bedroom | 1.6 | 74 | MET | | |
| 803 | Bedroom | 1.8 | 88 | MET | | |
| 804 | Bedroom | 2.1 | 85 | MET | | |
| 805 | Bedroom | 3.9 | 96 | N/A | | |
| 806 | L/K/D | 1.6 | 96 | MET | | |
| 807 | L/K/D | 3.1 | 100 | N/A | 7 | 0 |
| 808 | Bedroom | 2 | 98 | MET | | |
| 809 | Bedroom | 2.5 | 100 | MET | | |
| 810 | Bedroom | 1.9 | 98 | MET | | |
| 811 | L/K/D | 2.5 | 100 | N/A | 8 | 0 |
| 812 | L/K/D | 2.7 | 100 | N/A | | |
| 813 | Bedroom | 2.1 | 97 | MET | | |
| 814 | Bedroom | 2.3 | 100 | MET | | |
| 815 | Bedroom | 4.3 | 100 | MET | | |
| 816 | L/K/D | 3.9 | 100 | N/A | | |
| 817 | Bedroom | 5.5 | 100 | N/A | | |
| 818 | Bedroom | 3.9 | 99 | MET | | |
| 819 | L/K/D | 1.8 | 100 | MET | | |
| 820 | Bedroom | 2.9 | 99 | MET | | |
| 821 | L/K/D | 1.9 | 100 | MET | | |
| 822 | L/K/D | 1.7 | 100 | MET | | |
| 823 | Bedroom | 3.3 | 99 | MET | | |
| 824 | L/K/D | 1.7 | 100 | MET | | |
| 825 | Bedroom | 3.5 | 99 | MET | | |
| 826 | Bedroom | 3.6 | 100 | MET | | |
| 827 | L/K/D | 3.7 | 100 | N/A | 90 | 29 |
| 828 | Bedroom | 3.6 | 99 | MET | | |
| 829 | Bedroom | 4.4 | 99 | MET | | |
| 830 | L/K/D | 4 | 99 | N/A | 87 | 29 |
| 831 | Bedroom | 2.7 | 98 | MET | | |
| 832 | L/K/D | 1.3 | 74 | MET | 21 | 12 |
| 833 | Bedroom | 2.4 | 100 | MET | | |
| 834 | L/K/D | 1.4 | 67 | N/A | 17 | 9 |
| 835 | Bedroom | 2.4 | 71 | MET | | |
| 836 | Bedroom | 1.3 | 92 | MET | | |
| 837 | Bedroom | 1.8 | 94 | MET | | |
| 838 | L/K/D | 1 | 96 | MET | 19 | 16 |
| 839 | Bedroom | 3.4 | 100 | MET | | |
| 840 | Bedroom | 3.2 | 100 | MET | | |
| 841 | L/K/D | 1.8 | 98 | N/A | 39 | 15 |
| 842 | Studio | 1.8 | 91 | MET | 42 | 12 |
| 843 | Studio | 1.7 | 90 | N/A | | |
| 844 | Bedroom | 2.7 | 99 | MET | | |
| 845 | Bedroom | 2.1 | 98 | MET | | |
| 846 | L/K/D | 4.9 | 100 | N/A | 84 | 28 |
| 847 | Bedroom | 2.8 | 98 | MET | | |
| 848 | Bedroom | 1.9 | 97 | MET | | |

Table 20: Assessment Data

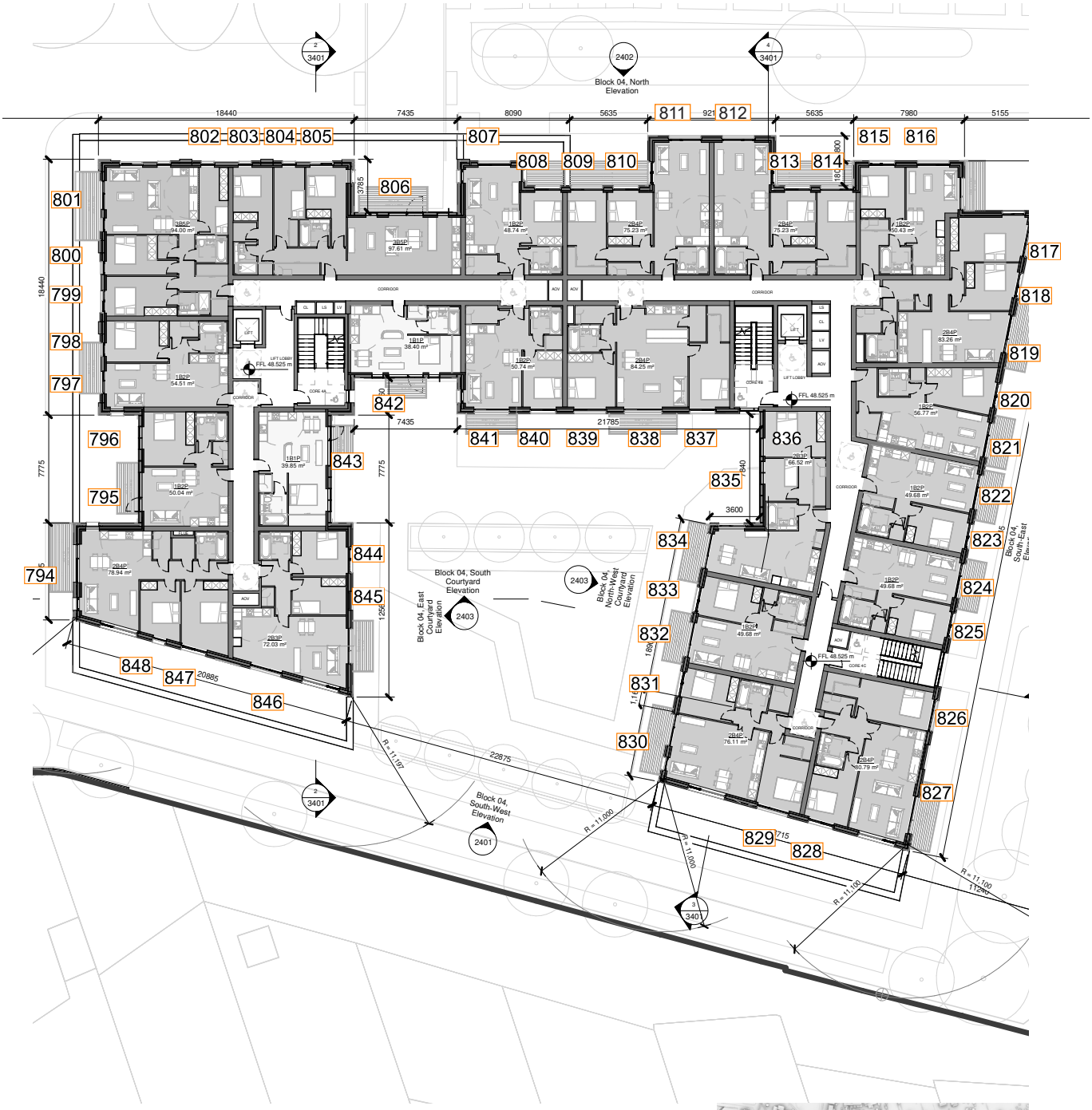



Fig. 22: Floor Plan

## Block 04 - Second Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 04 - SECOND FLOOR | | | | | | |
| 849 | L/K/D | 4.3 | 99 | N/A | 83 | 27 |
| 850 | L/K/D | 1.3 | 72 | MET | 13 | 0 |
| 851 | Bedroom | 2 | 91 | MET | | |
| 852 | L/K/D | 1.1 | 44 | N/A | 43 | 10 |
| 853 | Bedroom | 1 | 81 | MET | | |
| 854 | Bedroom | 2.4 | 74 | MET | | |
| 855 | Bedroom | 1.5 | 85 | MET | | |
| 856 | L/K/D | 3.2 | 97 | N/A | 28 | 10 |
| 857 | Bedroom | 1.7 | 81 | MET | | |
| 858 | Bedroom | 1.9 | 94 | MET | | |
| 859 | Bedroom | 2.2 | 95 | MET | | |
| 860 | Bedroom | 4.1 | 98 | N/A | | |
| 861 | L/K/D | 1.8 | 96 | MET | | |
| 862 | L/K/D | 3.2 | 100 | N/A | 8 | 0 |
| 863 | Bedroom | 2.1 | 98 | MET | | |
| 864 | Bedroom | 2.6 | 100 | MET | | |
| 865 | Bedroom | 1.9 | 98 | MET | | |
| 866 | L/K/D | 2.6 | 100 | N/A | 8 | 0 |
| 867 | L/K/D | 2.7 | 100 | N/A | | |
| 868 | Bedroom | 2.1 | 97 | MET | | |
| 869 | Bedroom | 2.3 | 100 | MET | | |
| 870 | Bedroom | 4.3 | 100 | MET | | |
| 871 | L/K/D | 3.9 | 100 | N/A | | |
| 872 | Bedroom | 5.6 | 100 | N/A | | |
| 873 | Bedroom | 3.9 | 99 | MET | | |
| 874 | L/K/D | 1.9 | 100 | MET | | |
| 875 | Bedroom | 3.1 | 99 | MET | | |
| 876 | L/K/D | 2 | 100 | MET | | |
| 877 | L/K/D | 1.7 | 100 | MET | | |
| 878 | Bedroom | 3.5 | 99 | MET | | |
| 879 | L/K/D | 1.8 | 100 | MET | | |
| 880 | Bedroom | 3.6 | 99 | MET | | |
| 881 | Bedroom | 3.7 | 100 | MET | | |
| 882 | L/K/D | 3.8 | 100 | N/A | 91 | 30 |
| 883 | Bedroom | 3.6 | 99 | MET | | |
| 884 | Bedroom | 4.5 | 99 | MET | | |
| 885 | L/K/D | 4.1 | 100 | N/A | 89 | 30 |
| 886 | Bedroom | 3 | 99 | MET | | |
| 887 | L/K/D | 1.4 | 97 | MET | 22 | 12 |
| 888 | Bedroom | 2.7 | 100 | MET | | |
| 889 | L/K/D | 1.6 | 99 | N/A | 19 | 9 |
| 890 | Bedroom | 2.8 | 73 | MET | | |
| 891 | Bedroom | 1.4 | 92 | MET | | |
| 892 | Bedroom | 2.1 | 98 | MET | | |
| 893 | L/K/D | 1.2 | 99 | MET | 24 | 19 |
| 894 | Bedroom | 3.7 | 100 | MET | | |
| 895 | Bedroom | 3.5 | 100 | MET | | |
| 896 | L/K/D | 2.1 | 100 | N/A | 45 | 19 |
| 897 | Studio | 2 | 93 | MET | 53 | 18 |
| 898 | Studio | 2 | 92 | N/A | | |
| 899 | Bedroom | 3 | 99 | MET | | |
| 900 | Bedroom | 2.4 | 98 | MET | | |
| 901 | L/K/D | 5 | 100 | N/A | 88 | 29 |
| 902 | Bedroom | 2.8 | 98 | MET | | |
| 903 | Bedroom | 1.9 | 97 | MET | | |

Table 21: Assessment Data


Fig. 23: Floor Plan

## Block 04 - Third Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 04 - THIRD FLOOR | | | | | | |
| 904 | L/K/D | 5.5 | 100 | N/A | 85 | 27 |
| 905 | L/K/D | 2.3 | 97 | MET | 24 | 1 |
| 906 | Bedroom | 2.3 | 92 | MET | | |
| 907 | L/K/D | 1.4 | 53 | N/A | 58 | 16 |
| 908 | Bedroom | 1.2 | 94 | MET | | |
| 909 | Bedroom | 2.6 | 92 | MET | | |
| 910 | Bedroom | 1.6 | 93 | MET | | |
| 911 | L/K/D | 3.4 | 98 | N/A | 29 | 11 |
| 912 | Bedroom | 1.8 | 96 | MET | | |
| 913 | Bedroom | 2 | 94 | MET | | |
| 914 | Bedroom | 2.3 | 98 | MET | | |
| 915 | Bedroom | 4.3 | 100 | N/A | | |
| 916 | L/K/D | 1.9 | 96 | MET | | |
| 917 | L/K/D | 3.3 | 100 | N/A | 9 | 0 |
| 918 | Bedroom | 2.2 | 98 | MET | | |
| 919 | Bedroom | 2.6 | 100 | MET | | |
| 920 | Bedroom | 2 | 98 | MET | | |
| 921 | L/K/D | 2.7 | 100 | N/A | 8 | 0 |
| 922 | L/K/D | 2.7 | 100 | N/A | | |
| 923 | Bedroom | 2.1 | 97 | MET | | |
| 924 | Bedroom | 2.4 | 100 | MET | | |
| 925 | Bedroom | 4.4 | 100 | MET | | |
| 926 | L/K/D | 4.5 | 100 | N/A | | |
| 927 | Bedroom | 5.8 | 100 | N/A | | |
| 928 | Bedroom | 4.2 | 99 | MET | | |
| 929 | L/K/D | 2.7 | 100 | MET | | |
| 930 | Bedroom | 3.3 | 99 | MET | | |
| 931 | L/K/D | 2.9 | 100 | MET | | |
| 932 | L/K/D | 2.6 | 100 | MET | | |
| 933 | Bedroom | 3.8 | 99 | MET | | |
| 934 | L/K/D | 2.6 | 100 | MET | | |
| 935 | Bedroom | 3.8 | 99 | MET | | |
| 936 | Bedroom | 3.8 | 100 | MET | | |
| 937 | L/K/D | 4.6 | 100 | N/A | 91 | 30 |
| 938 | Bedroom | 3.7 | 99 | MET | | |
| 939 | Bedroom | 4.6 | 99 | MET | | |
| 940 | L/K/D | 5.1 | 100 | N/A | 92 | 30 |
| 941 | Bedroom | 3.4 | 99 | MET | | |
| 942 | L/K/D | 2.3 | 100 | MET | 43 | 14 |
| 943 | Bedroom | 3.3 | 100 | MET | | |
| 944 | L/K/D | 2.5 | 100 | N/A | 39 | 13 |
| 945 | Bedroom | 3.2 | 79 | MET | | |
| 946 | Bedroom | 1.6 | 97 | MET | | |
| 947 | Bedroom | 2.6 | 99 | MET | | |
| 948 | L/K/D | 1.4 | 99 | MET | 34 | 24 |
| 949 | Bedroom | 4 | 100 | MET | | |
| 950 | Bedroom | 3.7 | 100 | MET | | |
| 951 | L/K/D | 2.3 | 100 | N/A | 52 | 24 |
| 952 | Studio | 2.4 | 96 | MET | 59 | 24 |
| 953 | Studio | 2.9 | 97 | N/A | | |
| 954 | Bedroom | 3.3 | 99 | MET | | |
| 955 | Bedroom | 2.7 | 98 | MET | | |
| 956 | L/K/D | 5.8 | 100 | N/A | 90 | 30 |
| 957 | Bedroom | 2.9 | 98 | MET | | |
| 958 | Bedroom | 1.9 | 97 | MET | | |

Table 22: Assessment Data

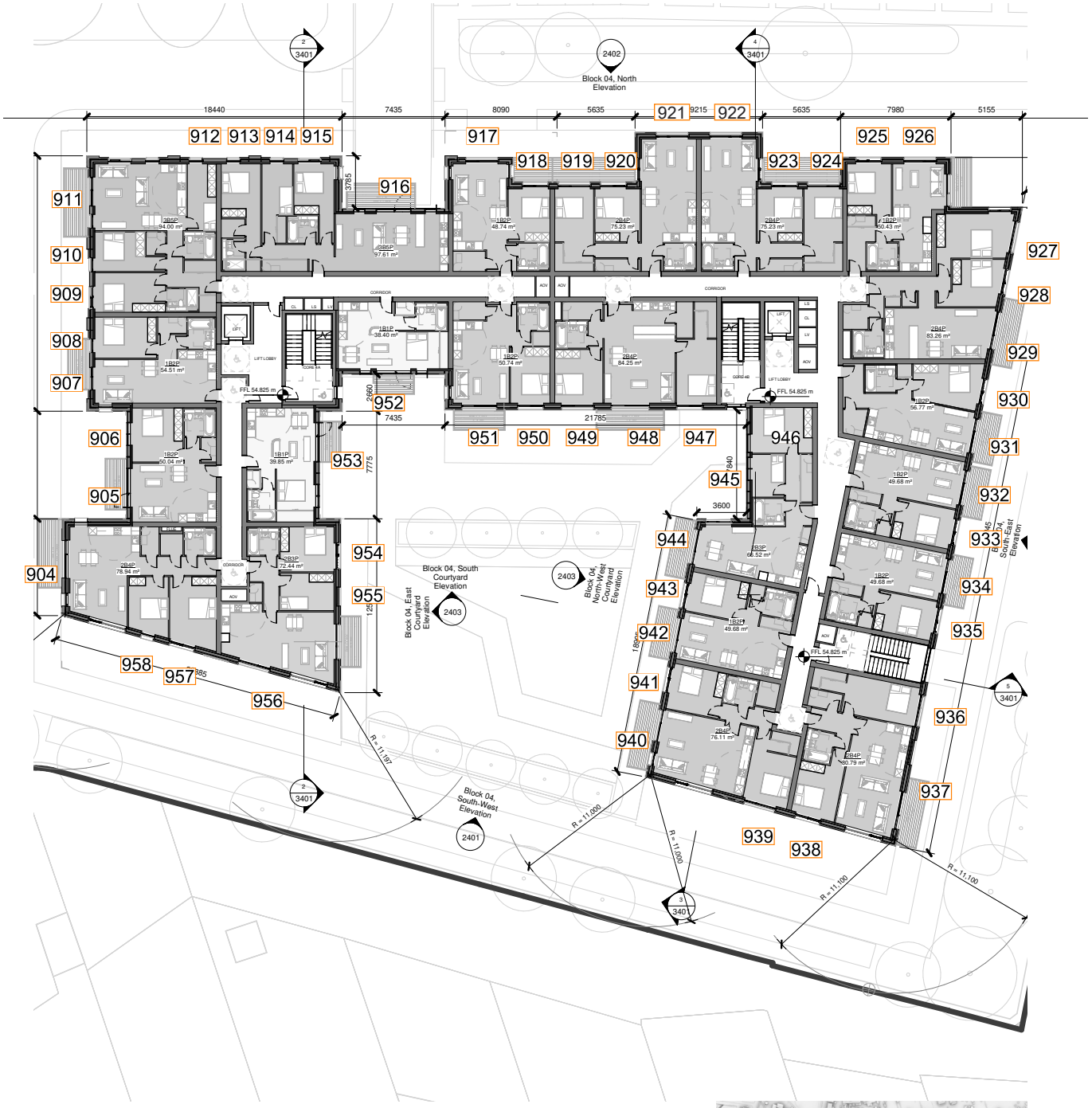



Fig. 24: Floor Plan

## Block 04 - Fourth Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 04 - FOURTH FLOOR | | | | | | |
| 959 | Bedroom | 1.3 | 94 | MET | | |
| 960 | Bedroom | 2.8 | 99 | MET | | |
| 961 | Bedroom | 1.7 | 92 | MET | | |
| 962 | L/K/D | 3.7 | 100 | N/A | 33 | 13 |
| 963 | Bedroom | 1.8 | 80 | MET | | |
| 964 | Bedroom | 2.1 | 94 | MET | | |
| 965 | Bedroom | 2.4 | 98 | MET | | |
| 966 | Bedroom | 4.5 | 100 | N/A | | |
| 967 | L/K/D | 2 | 96 | MET | | |
| 968 | L/K/D | 3.4 | 100 | N/A | 12 | 0 |
| 969 | Bedroom | 2.1 | 98 | MET | | |
| 970 | Bedroom | 2.9 | 100 | MET | | |
| 971 | Bedroom | 2.1 | 98 | MET | | |
| 972 | L/K/D | 2.7 | 99 | N/A | 8 | 0 |
| 973 | L/K/D | 2.8 | 100 | N/A | | |
| 974 | Bedroom | 2.2 | 98 | MET | | |
| 975 | Bedroom | 2.8 | 100 | MET | | |
| 976 | Bedroom | 3.2 | 99 | MET | | |
| 977 | L/K/D | 1.6 | 99 | MET | 41 | 28 |
| 978 | Bedroom | 4.2 | 100 | MET | | |
| 979 | Bedroom | 3.9 | 100 | MET | | |
| 980 | L/K/D | 2.5 | 100 | N/A | 57 | 28 |
| 981 | Studio | 2.7 | 97 | MET | 51 | 26 |
| 982 | L/K/D | 4.1 | 98 | N/A | 90 | 27 |

Table 23: Assessment Data

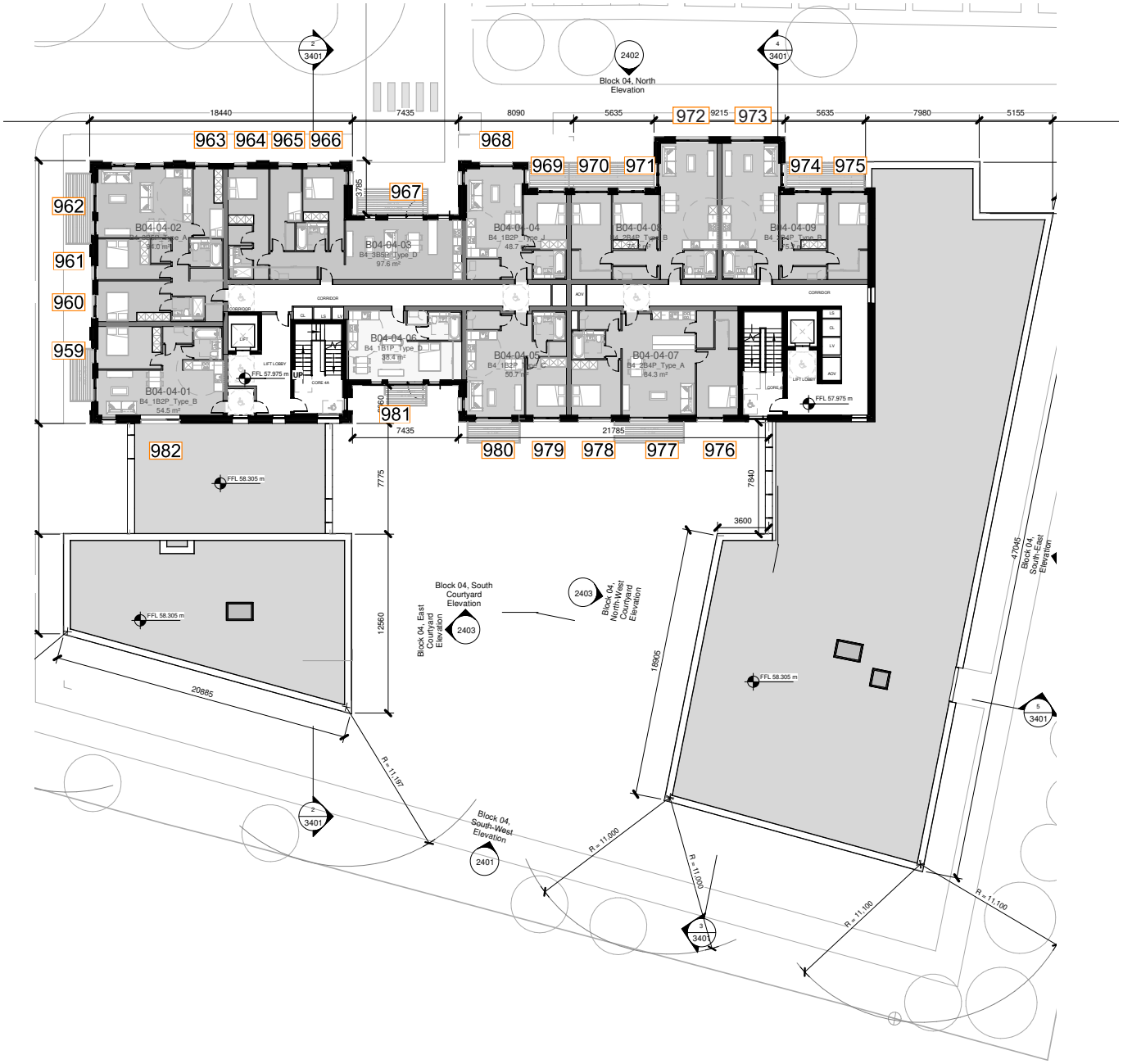



Fig. 25: Floor Plan

## Block 04 - Fifth Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 04 - FIFTH FLOOR | | | | | | |
| 983 | L/K/D | 4.6 | 100 | N/A | 94 | 29 |
| 984 | Bedroom | 1.9 | 94 | MET | | |
| 985 | Bedroom | 3 | 99 | MET | | |
| 986 | Bedroom | 1.8 | 92 | MET | | |
| 987 | L/K/D | 4.8 | 100 | N/A | 49 | 14 |
| 988 | Bedroom | 1.9 | 80 | MET | | |
| 989 | Bedroom | 2.2 | 94 | MET | | |
| 990 | Bedroom | 2.4 | 98 | MET | | |
| 991 | Bedroom | 4.9 | 100 | N/A | | |
| 992 | L/K/D | 3.1 | 98 | MET | | |
| 993 | L/K/D | 3.9 | 100 | N/A | 27 | 0 |
| 994 | Bedroom | 3.6 | 99 | MET | | |
| 995 | Bedroom | 4.7 | 100 | MET | | |
| 996 | Bedroom | 3.5 | 98 | MET | | |
| 997 | L/K/D | 3.2 | 99 | N/A | 15 | 0 |
| 998 | L/K/D | 3.3 | 100 | N/A | | |
| 999 | Bedroom | 3.6 | 99 | MET | | |
| 1000 | Bedroom | 4.8 | 100 | MET | | |
| 1001 | Bedroom | 3.4 | 99 | MET | | |
| 1002 | L/K/D | 2.4 | 99 | MET | 80 | 28 |
| 1003 | Bedroom | 4.5 | 100 | MET | | |
| 1004 | Bedroom | 4.1 | 100 | MET | | |
| 1005 | L/K/D | 3.5 | 100 | N/A | 84 | 28 |
| 1006 | Studio | 3.6 | 97 | MET | 69 | 26 |

Table 24: Assessment Data

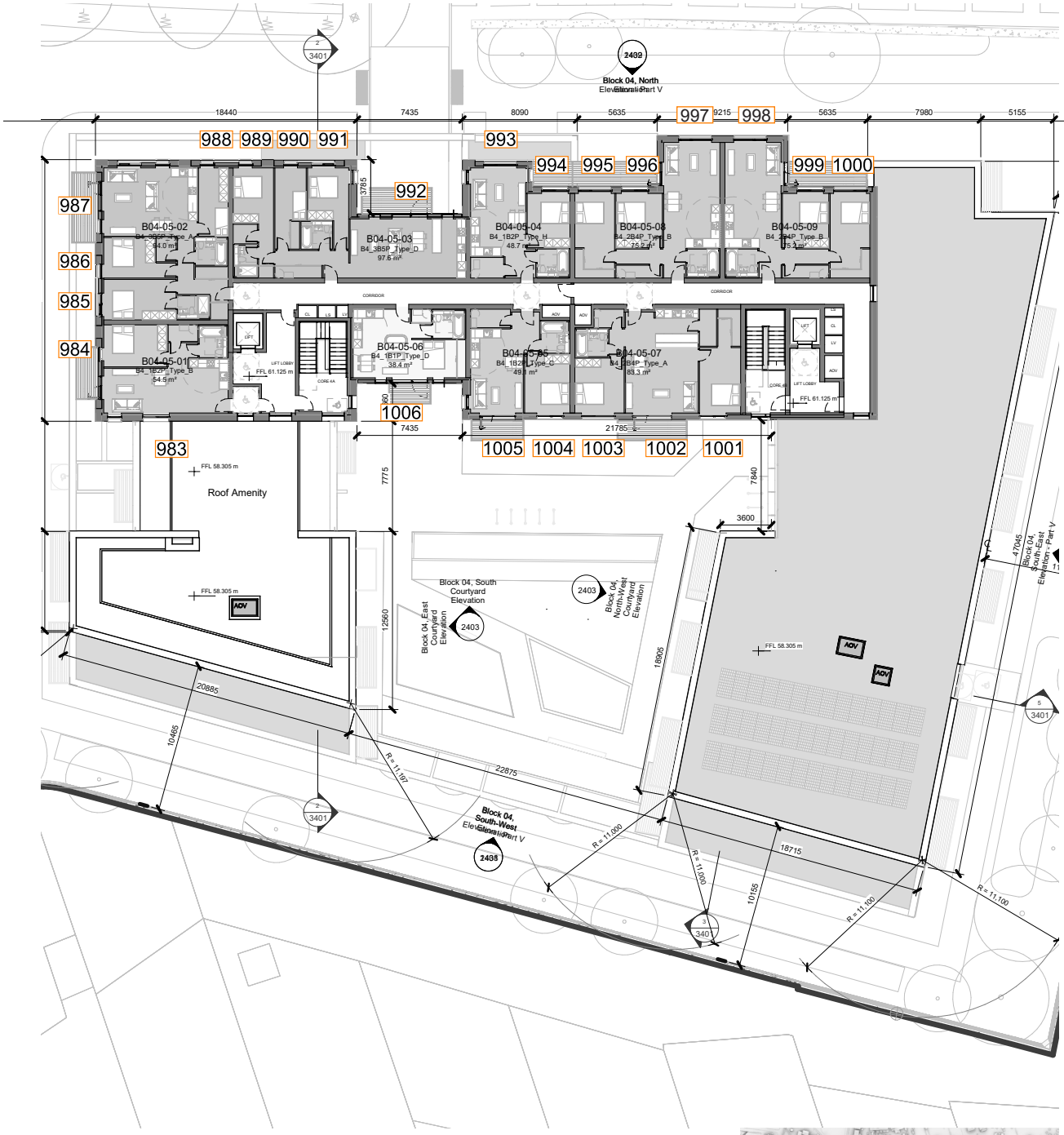



Fig. 26: Floor Plan

## Block 05 - Ground Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 05 - GROUND FLOOR | | | | | | |
| 1007 | L/K/D | 4.3 | 100 | N/A | 41 | 12 |
| 1008 | Bedroom | 2.7 | 100 | MET | | |
| 1009 | Bedroom | 3.6 | 100 | MET | | |
| 1010 | L/K/D | 3.1 | 100 | N/A | | |
| 1011 | L/K/D | 3.5 | 95 | N/A | 8 | 0 |
| 1012 | Bedroom | 3.3 | 98 | MET | | |
| 1013 | Bedroom | 3 | 95 | MET | | |
| 1014 | L/K/D | 4.3 | 99 | N/A | | |
| 1015 | Bedroom | 3 | 94 | MET | | |
| 1016 | Bedroom | 2.8 | 96 | MET | | |
| 1017 | L/K/D | 2 | 71 | MET | | |
| 1018 | Bedroom | 3.2 | 97 | MET | | |
| 1019 | Bedroom | 3.2 | 97 | MET | | |
| 1020 | L/K/D | 2.1 | 71 | MET | | |
| 1021 | Bedroom | 2.9 | 97 | MET | | |
| 1022 | L/K/D | 1.9 | 76 | N/A | | |
| 1023 | Bedroom | 2.8 | 98 | MET | | |
| 1024 | Bedroom | 3.7 | 99 | MET | | |
| 1025 | L/K/D | 3.8 | 95 | N/A | 44 | 11 |
| 1026 | Bedroom | 2.6 | 97 | MET | | |
| 1027 | L/K/D | 2.7 | 99 | N/A | 79 | 25 |
| 1028 | Bedroom | 3.3 | 93 | MET | | |
| 1029 | L/K/D | 5 | 100 | N/A | 86 | 26 |
| 1030 | L/K/D | 3.2 | 99 | N/A | 56 | 19 |
| 1031 | Bedroom | 4 | 99 | MET | | |
| 1032 | L/K/D | 2.6 | 99 | MET | 42 | 13 |
| 1033 | Bedroom | 3.9 | 100 | MET | | |
| 1034 | Bedroom | 3.8 | 100 | MET | | |
| 1035 | L/K/D | 2.7 | 98 | MET | 35 | 10 |
| 1036 | Bedroom | 3.4 | 100 | MET | | |
| 1037 | Bedroom | 3.8 | 99 | MET | | |

Table 25: Assessment Data

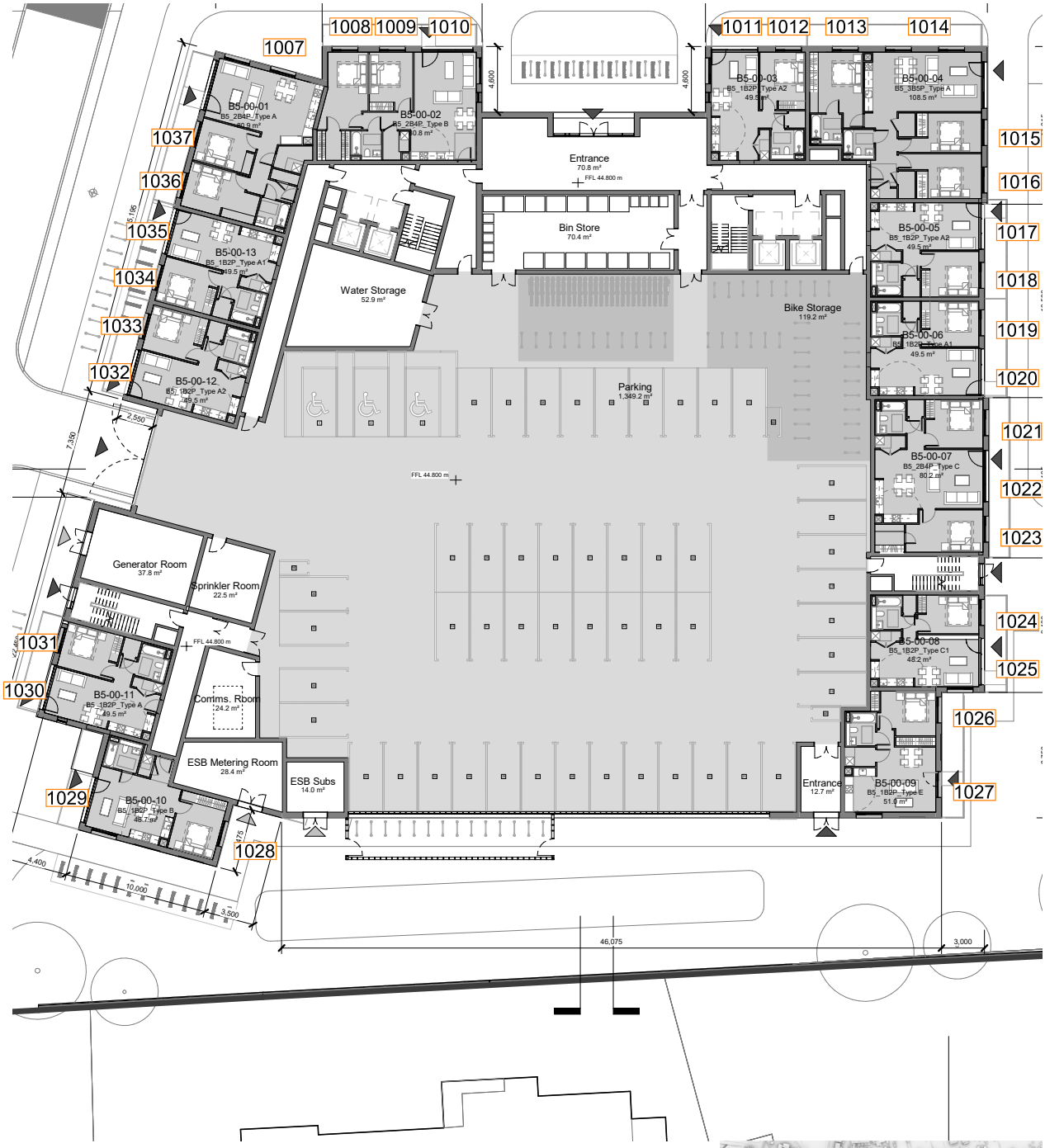



Fig. 27: Floor Plan

## Block 05 - First Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 05 - FIRST FLOOR | | | | | | |
| 1038 | L/K/D | 4.1 | 100 | N/A | 36 | 12 |
| 1039 | Bedroom | 2.9 | 100 | MET | | |
| 1040 | Bedroom | 3.8 | 100 | MET | | |
| 1041 | L/K/D | 2.9 | 100 | N/A | | |
| 1042 | Bedroom | 2.9 | 86 | MET | | |
| 1043 | Bedroom | 3.8 | 96 | MET | | |
| 1044 | Bedroom | 3.7 | 96 | MET | | |
| 1045 | Bedroom | 2.8 | 85 | MET | | |
| 1046 | L/K/D | 3.5 | 95 | N/A | 7 | 0 |
| 1047 | Bedroom | 3.5 | 98 | MET | | |
| 1048 | Bedroom | 3.2 | 95 | MET | | |
| 1049 | L/K/D | 4.4 | 99 | N/A | | |
| 1050 | Bedroom | 3.3 | 94 | MET | | |
| 1051 | Bedroom | 3.2 | 96 | MET | | |
| 1052 | L/K/D | 2 | 88 | MET | | |
| 1053 | Bedroom | 3.4 | 97 | MET | | |
| 1054 | Bedroom | 3.5 | 97 | MET | | |
| 1055 | L/K/D | 2 | 85 | MET | | |
| 1056 | Bedroom | 3.1 | 99 | MET | | |
| 1057 | L/K/D | 1.8 | 85 | N/A | | |
| 1058 | Bedroom | 3 | 99 | MET | | |
| 1059 | Bedroom | 4 | 99 | MET | | |
| 1060 | L/K/D | 3.7 | 96 | N/A | 46 | 12 |
| 1061 | Bedroom | 2.8 | 98 | MET | | |
| 1062 | L/K/D | 3 | 99 | N/A | 61 | 22 |
| 1063 | Bedroom | 1.1 | 87 | MET | | |
| 1064 | L/K/D | 3.6 | 89 | N/A | 56 | 22 |
| 1065 | Bedroom | 3.4 | 100 | MET | | |
| 1066 | L/K/D | 2.1 | 69 | MET | 32 | 13 |
| 1067 | Bedroom | 3.3 | 100 | MET | | |
| 1068 | Bedroom | 2.4 | 77 | MET | | |
| 1069 | L/K/D | 1.3 | 42 | N/A | 20 | 11 |
| 1070 | Bedroom | 2.3 | 83 | MET | | |
| 1071 | Studio | 1.4 | 71 | N/A | 22 | 9 |
| 1072 | L/K/D | 1.4 | 79 | MET | 19 | 16 |
| 1073 | L/K/D | 1.5 | 67 | MET | 19 | 15 |
| 1074 | Bedroom | 2.3 | 82 | MET | | |
| 1075 | L/K/D | 1.4 | 54 | MET | | |
| 1076 | Bedroom | 2.8 | 94 | MET | | |
| 1077 | L/K/D | 1.8 | 70 | MET | | |
| 1078 | Studio | 2.2 | 93 | MET | | |
| 1079 | Bedroom | 4.8 | 99 | MET | | |
| 1080 | L/K/D | 1.9 | 90 | N/A | | |
| 1081 | Bedroom | 3.1 | 99 | MET | | |
| 1082 | Bedroom | 3.9 | 99 | MET | | |
| 1083 | L/K/D | 3.4 | 97 | MET | 51 | 15 |
| 1084 | Bedroom | 3.6 | 93 | MET | | |
| 1085 | L/K/D | 3.1 | 100 | MET | 32 | 12 |
| 1086 | L/K/D | 3 | 99 | N/A | 56 | 19 |
| 1087 | Bedroom | 4.2 | 99 | MET | | |
| 1088 | L/K/D | 4 | 99 | N/A | 44 | 13 |
| 1089 | Bedroom | 2.5 | 98 | MET | | |
| 1090 | Bedroom | 2.2 | 99 | MET | | |
| 1091 | L/K/D | 2.6 | 99 | MET | 38 | 12 |
| 1092 | Bedroom | 4 | 100 | MET | | |
| 1093 | Bedroom | 4.1 | 100 | MET | | |
| 1094 | L/K/D | 2.5 | 98 | MET | 31 | 11 |
| 1095 | Bedroom | 3.6 | 100 | MET | | |
| 1096 | Bedroom | 4 | 99 | MET | | |

Table 26: Assessment Data

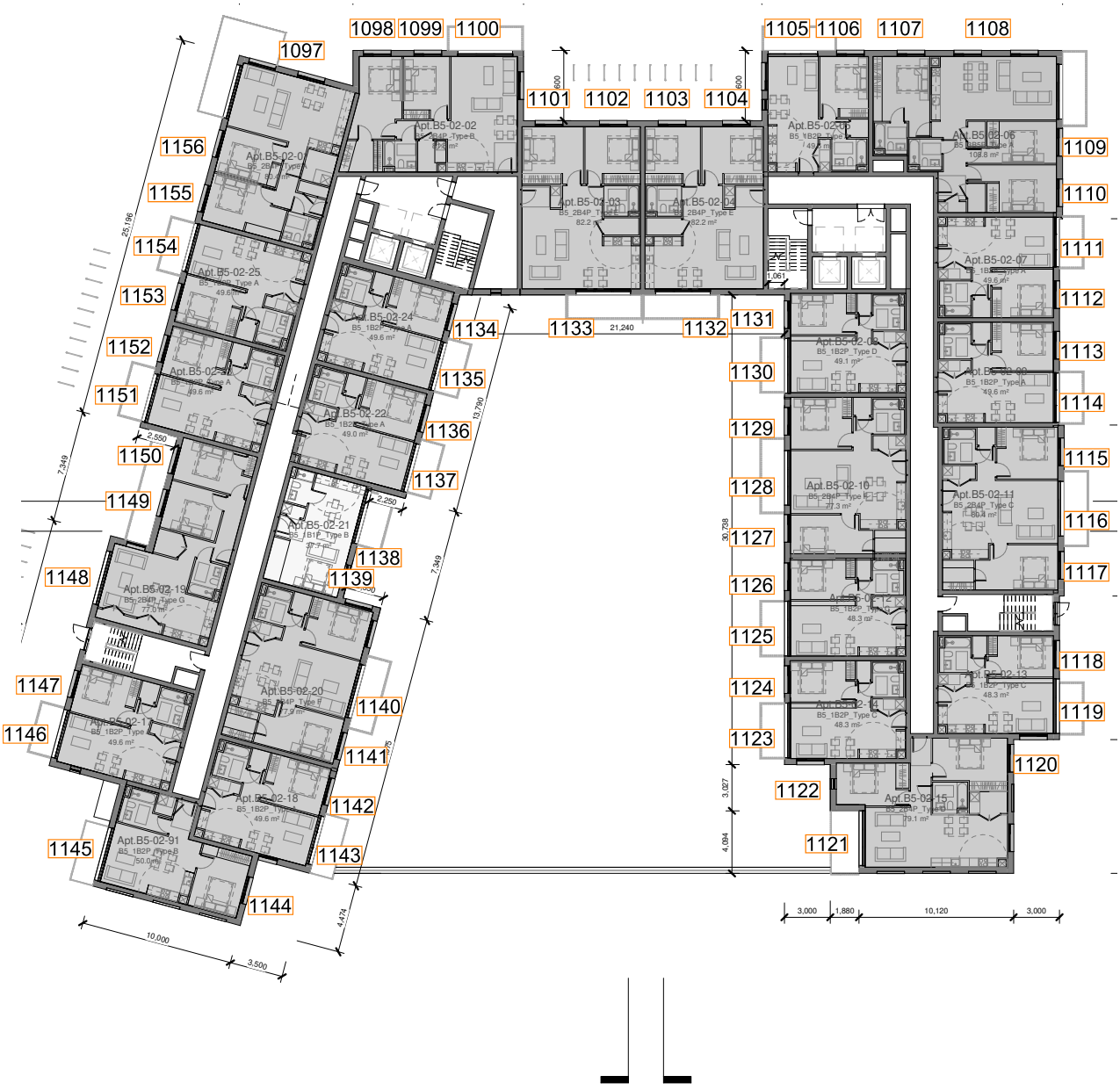

k 05, First Floor Plan

Fig. 28: Floor Plan

## Block 05 - Second Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 05 - SECOND FLOOR | | | | | | |
| 1097 | L/K/D | 4.4 | 100 | N/A | 39 | 14 |
| 1098 | Bedroom | 3 | 100 | MET | | |
| 1099 | Bedroom | 3.9 | 100 | MET | | |
| 1100 | L/K/D | 3.1 | 100 | N/A | | |
| 1101 | Bedroom | 3 | 86 | MET | | |
| 1102 | Bedroom | 3.9 | 96 | MET | | |
| 1103 | Bedroom | 3.9 | 96 | MET | | |
| 1104 | Bedroom | 2.9 | 85 | MET | | |
| 1105 | L/K/D | 3.8 | 95 | N/A | 12 | 0 |
| 1106 | Bedroom | 3.6 | 99 | MET | | |
| 1107 | Bedroom | 3.4 | 96 | MET | | |
| 1108 | L/K/D | 4.6 | 99 | N/A | | |
| 1109 | Bedroom | 3.5 | 97 | MET | | |
| 1110 | Bedroom | 3.4 | 98 | MET | | |
| 1111 | L/K/D | 2.1 | 95 | MET | | |
| 1112 | Bedroom | 3.7 | 100 | MET | | |
| 1113 | Bedroom | 3.7 | 99 | MET | | |
| 1114 | L/K/D | 2.2 | 95 | MET | | |
| 1115 | Bedroom | 3.3 | 100 | MET | | |
| 1116 | L/K/D | 2 | 95 | N/A | | |
| 1117 | Bedroom | 3.2 | 99 | MET | | |
| 1118 | Bedroom | 4.2 | 99 | MET | | |
| 1119 | L/K/D | 3.9 | 99 | N/A | 46 | 12 |
| 1120 | Bedroom | 2.9 | 98 | MET | | |
| 1121 | L/K/D | 3.2 | 100 | N/A | 64 | 23 |
| 1122 | Bedroom | 1.2 | 87 | MET | | |
| 1123 | L/K/D | 3.9 | 93 | N/A | 62 | 23 |
| 1124 | Bedroom | 3.7 | 100 | MET | | |
| 1125 | L/K/D | 2.4 | 83 | MET | 32 | 13 |
| 1126 | Bedroom | 3.7 | 100 | MET | | |
| 1127 | Bedroom | 2.7 | 96 | MET | | |
| 1128 | L/K/D | 1.6 | 57 | N/A | 24 | 13 |
| 1129 | Bedroom | 2.7 | 92 | MET | | |
| 1130 | L/K/D | 1.5 | 63 | N/A | 23 | 10 |
| 1131 | Bedroom | 2.1 | 78 | MET | | |
| 1132 | L/K/D | 1.6 | 84 | MET | 21 | 17 |
| 1133 | L/K/D | 1.6 | 71 | MET | 23 | 17 |
| 1134 | Bedroom | 2.7 | 93 | MET | | |
| 1135 | L/K/D | 1.7 | 68 | MET | | |
| 1136 | Bedroom | 3.2 | 98 | MET | | |
| 1137 | L/K/D | 2.1 | 88 | MET | | |
| 1138 | Studio | 2.4 | 95 | MET | | |
| 1139 | Bedroom | 5.3 | 99 | MET | | |
| 1140 | L/K/D | 2.1 | 96 | N/A | | |
| 1141 | Bedroom | 3.3 | 99 | MET | | |
| 1142 | Bedroom | 4.1 | 99 | MET | | |
| 1143 | L/K/D | 3.5 | 99 | MET | 51 | 15 |
| 1144 | Bedroom | 3.7 | 94 | MET | | |
| 1145 | L/K/D | 3.1 | 100 | MET | 32 | 12 |
| 1146 | L/K/D | 3.1 | 99 | N/A | 59 | 19 |
| 1147 | Bedroom | 4.3 | 99 | MET | | |
| 1148 | L/K/D | 4.1 | 99 | N/A | 46 | 14 |
| 1149 | Bedroom | 2.6 | 98 | MET | | |
| 1150 | Bedroom | 2.3 | 99 | MET | | |
| 1151 | L/K/D | 2.7 | 99 | MET | 40 | 14 |
| 1152 | Bedroom | 4.1 | 100 | MET | | |
| 1153 | Bedroom | 4.2 | 100 | MET | | |
| 1154 | L/K/D | 2.6 | 98 | MET | 33 | 13 |
| 1155 | Bedroom | 3.7 | 100 | MET | | |
| 1156 | Bedroom | 4.1 | 99 | MET | | |

Table 27: Assessment Data



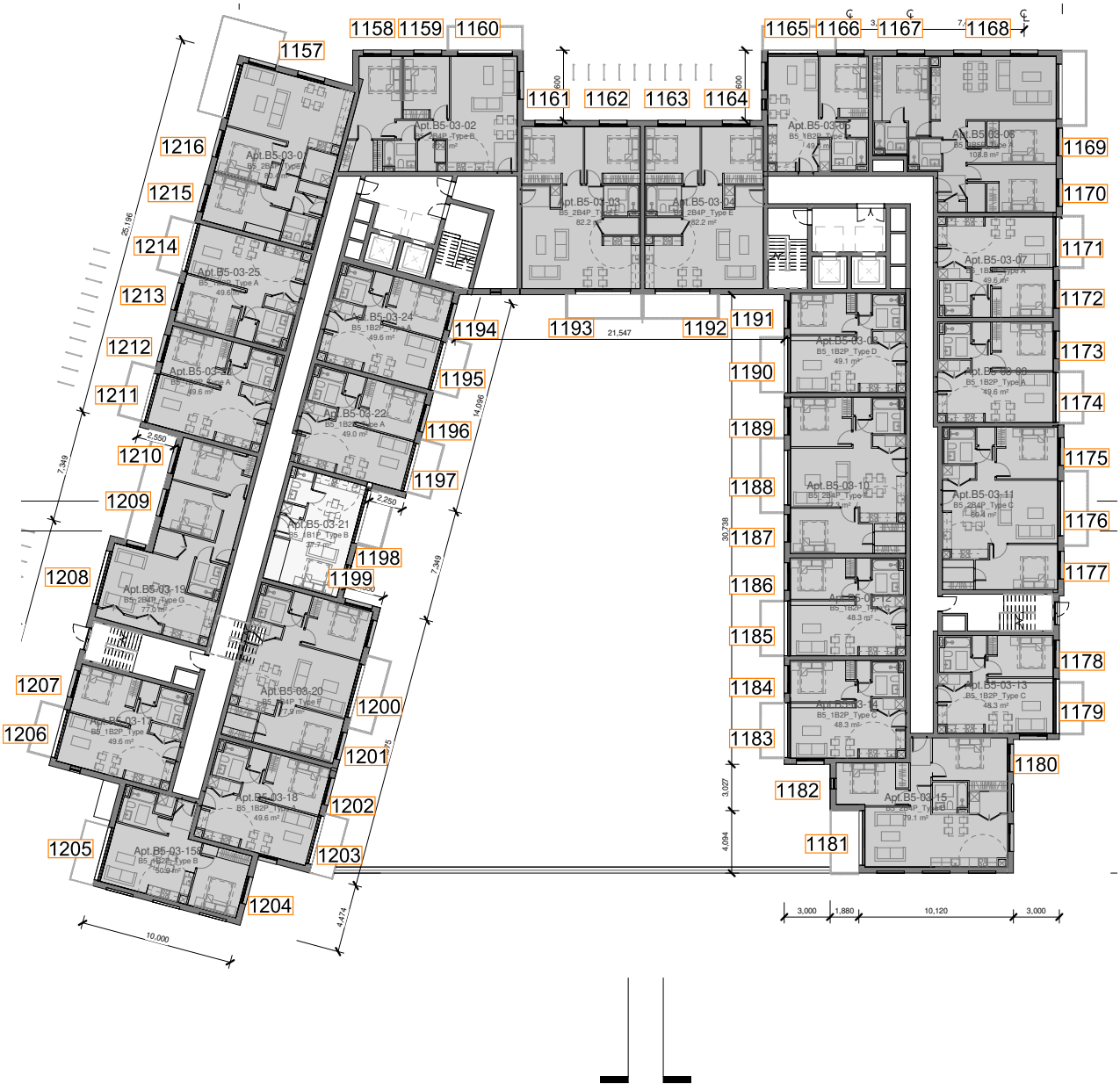

econd Floor Plan

Fig. 29: Floor Plan

## Block 05 - Third Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 05 - THIRD FLOOR | | | | | | |
| 1157 | L/K/D | 4.6 | 100 | N/A | 39 | 14 |
| 1158 | Bedroom | 3.1 | 100 | MET | | |
| 1159 | Bedroom | 4.1 | 100 | MET | | |
| 1160 | L/K/D | 3.3 | 100 | N/A | | |
| 1161 | Bedroom | 3.2 | 86 | MET | | |
| 1162 | Bedroom | 4.1 | 97 | MET | | |
| 1163 | Bedroom | 4.1 | 97 | MET | | |
| 1164 | Bedroom | 3.1 | 85 | MET | | |
| 1165 | L/K/D | 4.1 | 95 | N/A | 17 | 0 |
| 1166 | Bedroom | 3.8 | 99 | MET | | |
| 1167 | Bedroom | 3.5 | 99 | MET | | |
| 1168 | L/K/D | 4.9 | 99 | N/A | | |
| 1169 | Bedroom | 3.7 | 100 | MET | | |
| 1170 | Bedroom | 3.6 | 99 | MET | | |
| 1171 | L/K/D | 2.3 | 95 | MET | | |
| 1172 | Bedroom | 4 | 100 | MET | | |
| 1173 | Bedroom | 3.9 | 99 | MET | | |
| 1174 | L/K/D | 2.5 | 95 | MET | | |
| 1175 | Bedroom | 3.6 | 100 | MET | | |
| 1176 | L/K/D | 2.2 | 95 | N/A | | |
| 1177 | Bedroom | 3.4 | 99 | MET | | |
| 1178 | Bedroom | 4.5 | 99 | MET | | |
| 1179 | L/K/D | 5.2 | 99 | N/A | 51 | 14 |
| 1180 | Bedroom | 2.9 | 99 | MET | | |
| 1181 | L/K/D | 4.5 | 100 | N/A | 87 | 26 |
| 1182 | Bedroom | 1.3 | 89 | MET | | |
| 1183 | L/K/D | 5.4 | 99 | N/A | 66 | 24 |
| 1184 | Bedroom | 4.2 | 100 | MET | | |
| 1185 | L/K/D | 2.6 | 98 | MET | 36 | 15 |
| 1186 | Bedroom | 4 | 100 | MET | | |
| 1187 | Bedroom | 2.9 | 99 | MET | | |
| 1188 | L/K/D | 1.8 | 92 | N/A | 29 | 15 |
| 1189 | Bedroom | 3.1 | 99 | MET | | |
| 1190 | L/K/D | 1.9 | 79 | N/A | 32 | 13 |
| 1191 | Bedroom | 2.6 | 98 | MET | | |
| 1192 | L/K/D | 1.7 | 88 | MET | 24 | 20 |
| 1193 | L/K/D | 1.8 | 81 | MET | 27 | 20 |
| 1194 | Bedroom | 3.1 | 97 | MET | | |
| 1195 | L/K/D | 2 | 93 | MET | | |
| 1196 | Bedroom | 3.5 | 99 | MET | | |
| 1197 | L/K/D | 2.3 | 97 | MET | | |
| 1198 | Studio | 2.6 | 95 | MET | | |
| 1199 | Bedroom | 5.9 | 99 | MET | | |
| 1200 | L/K/D | 2.3 | 98 | N/A | | |
| 1201 | Bedroom | 3.5 | 99 | MET | | |
| 1202 | Bedroom | 4.4 | 99 | MET | | |
| 1203 | L/K/D | 4.7 | 99 | MET | 52 | 15 |
| 1204 | Bedroom | 3.9 | 97 | MET | | |
| 1205 | L/K/D | 4.7 | 100 | MET | 47 | 15 |
| 1206 | L/K/D | 4.2 | 99 | N/A | 73 | 24 |
| 1207 | Bedroom | 4.4 | 99 | MET | | |
| 1208 | L/K/D | 4.2 | 99 | N/A | 47 | 15 |
| 1209 | Bedroom | 2.7 | 98 | MET | | |
| 1210 | Bedroom | 2.3 | 99 | MET | | |
| 1211 | L/K/D | 2.7 | 99 | MET | 41 | 14 |
| 1212 | Bedroom | 4.2 | 100 | MET | | |
| 1213 | Bedroom | 4.2 | 100 | MET | | |
| 1214 | L/K/D | 2.7 | 98 | MET | 34 | 13 |
| 1215 | Bedroom | 3.8 | 100 | MET | | |
| 1216 | Bedroom | 4.2 | 99 | MET | | |

Table 28: Assessment Data




ɜk 05, Third Floor Plan

Fig. 30: Floor Plan

## Block 05 - Fourth Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 05 - FOURTH FLOOR | | | | | | |
| 1217 | L/K/D | 4.8 | 100 | N/A | 40 | 14 |
| 1218 | Bedroom | 3.2 | 100 | MET | | |
| 1219 | Bedroom | 4.2 | 100 | MET | | |
| 1220 | L/K/D | 3.5 | 100 | N/A | | |
| 1221 | Bedroom | 3.3 | 86 | MET | | |
| 1222 | Bedroom | 4.2 | 98 | MET | | |
| 1223 | Bedroom | 4.2 | 98 | MET | | |
| 1224 | Bedroom | 3.2 | 86 | MET | | |
| 1225 | L/K/D | 4.5 | 99 | N/A | 32 | 0 |
| 1226 | Bedroom | 4 | 99 | MET | | |
| 1227 | Bedroom | 3.7 | 99 | MET | | |
| 1228 | L/K/D | 5.2 | 100 | N/A | | |
| 1229 | Bedroom | 3.9 | 100 | MET | | |
| 1230 | Bedroom | 3.8 | 99 | MET | | |
| 1231 | L/K/D | 2.5 | 99 | MET | | |
| 1232 | Bedroom | 4.1 | 100 | MET | | |
| 1233 | Bedroom | 4.2 | 99 | MET | | |
| 1234 | L/K/D | 2.6 | 98 | MET | | |
| 1235 | Bedroom | 4 | 100 | MET | | |
| 1236 | L/K/D | 3.4 | 98 | N/A | | |
| 1237 | Bedroom | 3.7 | 99 | MET | | |
| 1238 | L/K/D | 5.9 | 99 | MET | 91 | 29 |
| 1239 | Bedroom | 4.6 | 100 | MET | | |
| 1240 | Bedroom | 3.5 | 100 | MET | | |
| 1241 | L/K/D | 3.3 | 95 | N/A | 49 | 18 |
| 1242 | Bedroom | 3.8 | 99 | MET | | |
| 1243 | L/K/D | 2.3 | 91 | N/A | 38 | 16 |
| 1244 | Bedroom | 3.2 | 100 | MET | | |
| 1245 | L/K/D | 3 | 96 | MET | 66 | 23 |
| 1246 | L/K/D | 3 | 94 | MET | 69 | 21 |
| 1247 | Bedroom | 3.5 | 98 | MET | | |
| 1248 | L/K/D | 2.4 | 97 | MET | | |
| 1249 | Bedroom | 3.9 | 99 | MET | | |
| 1250 | L/K/D | 2.6 | 99 | MET | | |
| 1251 | Studio | 4 | 96 | MET | | |
| 1252 | Bedroom | 6.6 | 99 | MET | | |
| 1253 | Bedroom | 6.6 | 100 | MET | | |
| 1254 | L/K/D | 3.5 | 98 | N/A | | |
| 1255 | L/K/D | 4.5 | 99 | N/A | 47 | 15 |
| 1256 | Bedroom | 4.1 | 99 | MET | | |
| 1257 | Bedroom | 3.5 | 100 | MET | | |
| 1258 | L/K/D | 2.8 | 99 | MET | 41 | 14 |
| 1259 | Bedroom | 4.3 | 100 | MET | | |
| 1260 | Bedroom | 4.3 | 100 | MET | | |
| 1261 | L/K/D | 2.8 | 98 | MET | 34 | 13 |
| 1262 | Bedroom | 3.8 | 100 | MET | | |
| 1263 | Bedroom | 4.3 | 99 | MET | | |

Table 29: Assessment Data

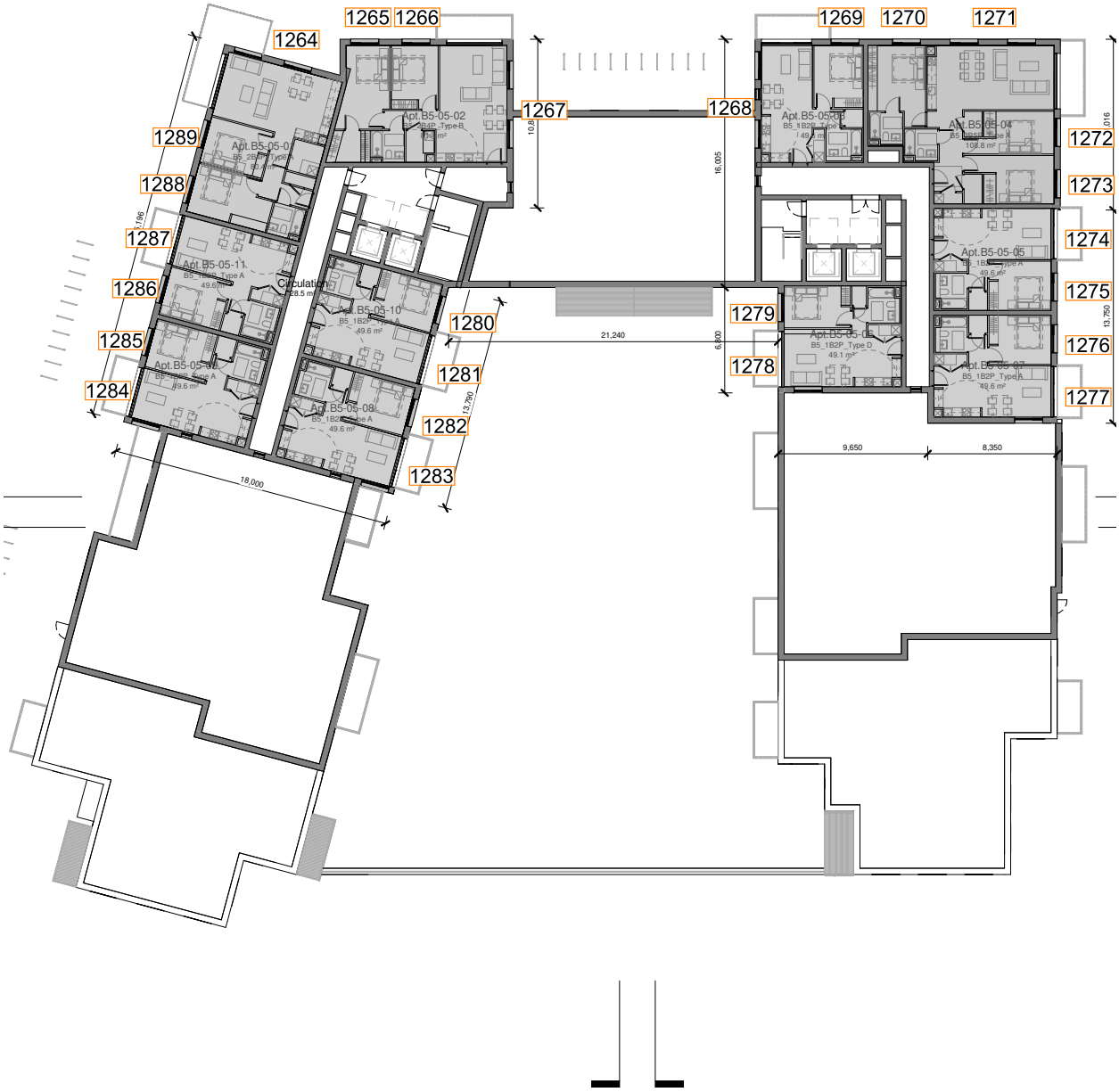

ɜk 05, Fourth Floor Plan

Fig. 31: Floor Plan

## Block 05 - Fifth Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 05 - FIFTH FLOOR | | | | | | |
| 1264 | L/K/D | 6.8 | 100 | N/A | 48 | 15 |
| 1265 | Bedroom | 3.3 | 100 | MET | | |
| 1266 | Bedroom | 4.5 | 100 | MET | | |
| 1267 | L/K/D | 6.4 | 100 | N/A | | |
| 1268 | L/K/D | 7.9 | 100 | N/A | 49 | 13 |
| 1269 | Bedroom | 4.5 | 99 | MET | | |
| 1270 | Bedroom | 3.8 | 99 | MET | | |
| 1271 | L/K/D | 6.5 | 100 | N/A | | |
| 1272 | Bedroom | 4.4 | 100 | MET | | |
| 1273 | Bedroom | 4.1 | 99 | MET | | |
| 1274 | L/K/D | 3.8 | 99 | MET | | |
| 1275 | Bedroom | 4.4 | 100 | MET | | |
| 1276 | Bedroom | 4.4 | 99 | MET | | |
| 1277 | L/K/D | 5.4 | 98 | MET | 82 | 28 |
| 1278 | L/K/D | 5.5 | 99 | N/A | 93 | 29 |
| 1279 | Bedroom | 4.1 | 100 | MET | | |
| 1280 | Bedroom | 4.2 | 98 | MET | | |
| 1281 | L/K/D | 3.7 | 98 | MET | | |
| 1282 | Bedroom | 4.4 | 99 | MET | | |
| 1283 | L/K/D | 6 | 99 | MET | 87 | 28 |
| 1284 | L/K/D | 6.1 | 99 | MET | 90 | 29 |
| 1285 | Bedroom | 4.5 | 100 | MET | | |
| 1286 | Bedroom | 4.5 | 100 | MET | | |
| 1287 | L/K/D | 3.9 | 98 | MET | 47 | 15 |
| 1288 | Bedroom | 4 | 100 | MET | | |
| 1289 | Bedroom | 4.5 | 99 | MET | | |

Table 30: Assessment Data




ɜk 05, Fifth Floor Plan

Fig. 32: Floor Plan

## Block 06 - Ground Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 06 - GROUND FLOOR | | | | | | |
| 1290 | L/K/D | 3.6 | 99 | N/A | 49 | 14 |
| 1291 | Bedroom | 3.2 | 99 | MET | | |
| 1292 | Bedroom | 3 | 97 | MET | | |
| 1293 | Bedroom | 2.8 | 99 | MET | | |
| 1294 | L/K/D | 1 | 94 | MET | | |
| 1295 | Bedroom | 3.9 | 100 | MET | | |
| 1296 | Studio | 2.4 | 98 | MET | | |
| 1297 | Studio | 2.5 | 98 | MET | | |
| 1298 | Bedroom | 3.4 | 100 | MET | | |
| 1299 | L/K/D | 1.5 | 99 | MET | | |

Table 31: Assessment Data

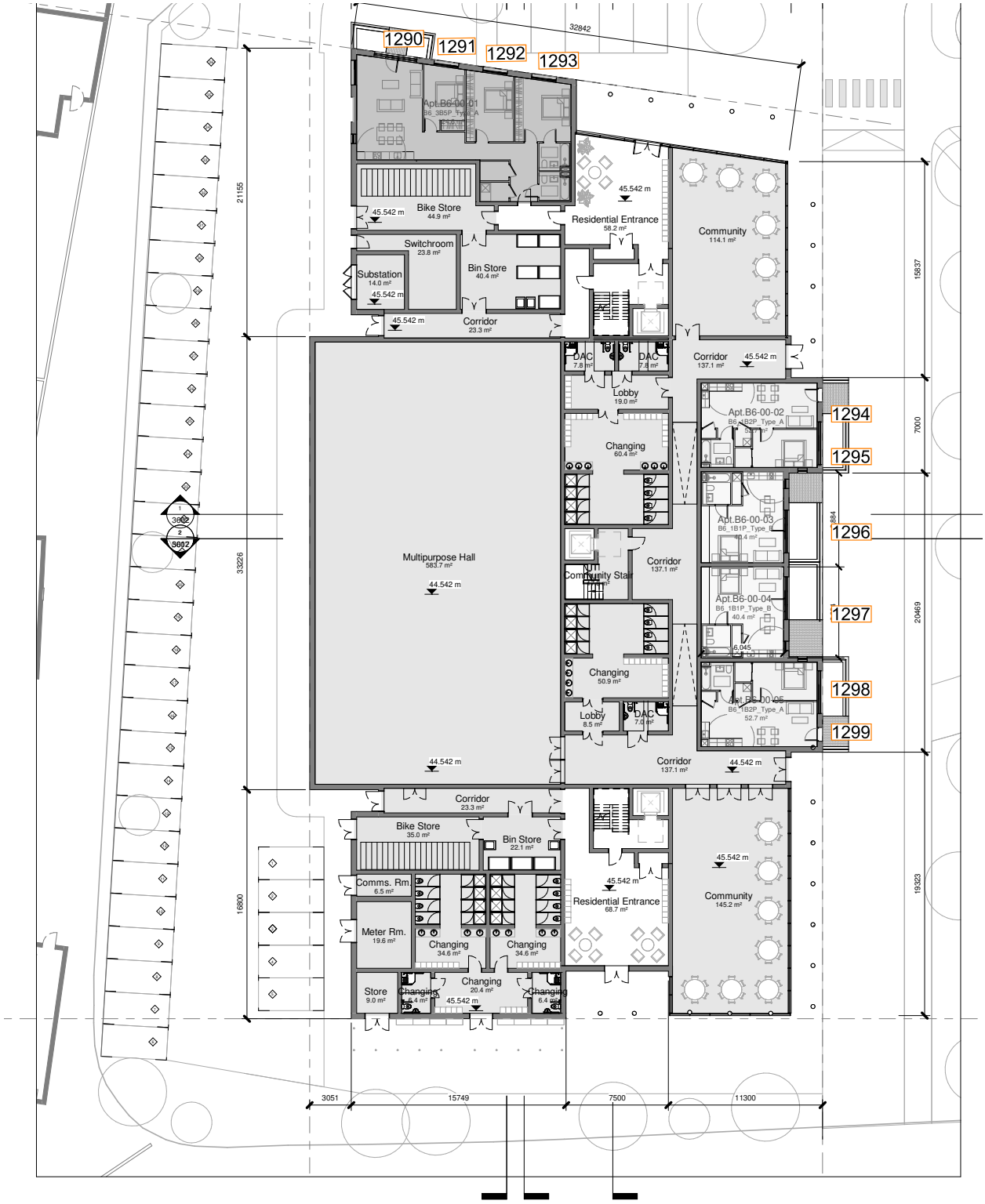



Fig. 33: Floor Plan

## Block 06 - First Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 06 - FIRST FLOOR | | | | | | |
| 1300 | L/K/D | 4.6 | 100 | N/A | 51 | 16 |
| 1301 | Bedroom | 4.1 | 99 | MET | | |
| 1302 | Bedroom | 3.3 | 100 | MET | | |
| 1303 | Bedroom | 3.2 | 99 | MET | | |
| 1304 | Bedroom | 3 | 99 | MET | | |
| 1305 | Bedroom | 3.5 | 99 | MET | | |
| 1306 | Bedroom | 4 | 100 | MET | | |
| 1307 | L/K/D | 2.8 | 99 | N/A | | |
| 1308 | L/K/D | 2.1 | 100 | MET | | |
| 1309 | Bedroom | 3.3 | 99 | MET | | |
| 1310 | L/K/D | 2.1 | 100 | MET | | |
| 1311 | Bedroom | 3.3 | 99 | MET | | |
| 1312 | L/K/D | 2.2 | 100 | MET | | |
| 1313 | Bedroom | 3.4 | 100 | MET | | |
| 1314 | Bedroom | 2.7 | 99 | MET | | |
| 1315 | Bedroom | 2.3 | 99 | MET | | |
| 1316 | L/K/D | 1.9 | 100 | MET | | |
| 1317 | Bedroom | 2.1 | 100 | MET | | |
| 1318 | Bedroom | 3.5 | 100 | MET | | |
| 1319 | L/K/D | 2.2 | 100 | MET | | |
| 1320 | Bedroom | 3.4 | 100 | MET | | |
| 1321 | L/K/D | 2.3 | 100 | MET | | |
| 1322 | Bedroom | 3.2 | 99 | MET | | |
| 1323 | Bedroom | 4.2 | 99 | MET | | |
| 1324 | L/K/D | 6.2 | 100 | N/A | 82 | 28 |
| 1325 | Bedroom | 4.7 | 100 | MET | | |
| 1326 | L/K/D | 2.5 | 100 | MET | 61 | 28 |
| 1327 | Bedroom | 3.7 | 100 | MET | | |
| 1328 | L/K/D | 3.4 | 100 | MET | 81 | 28 |
| 1329 | Bedroom | 3.9 | 100 | MET | | |
| 1330 | Bedroom | 3.5 | 100 | MET | | |
| 1331 | Bedroom | 4.3 | 100 | MET | | |
| 1332 | L/K/D | 3.3 | 99 | N/A | 83 | 28 |
| 1333 | Bedroom | 5.3 | 100 | MET | | |
| 1334 | Studio | 2.9 | 99 | N/A | 54 | 19 |
| 1335 | L/K/D | 2.5 | 99 | MET | 51 | 16 |
| 1336 | Bedroom | 3.7 | 100 | MET | | |
| 1337 | Bedroom | 3.1 | 99 | MET | | |

Table 32: Assessment Data

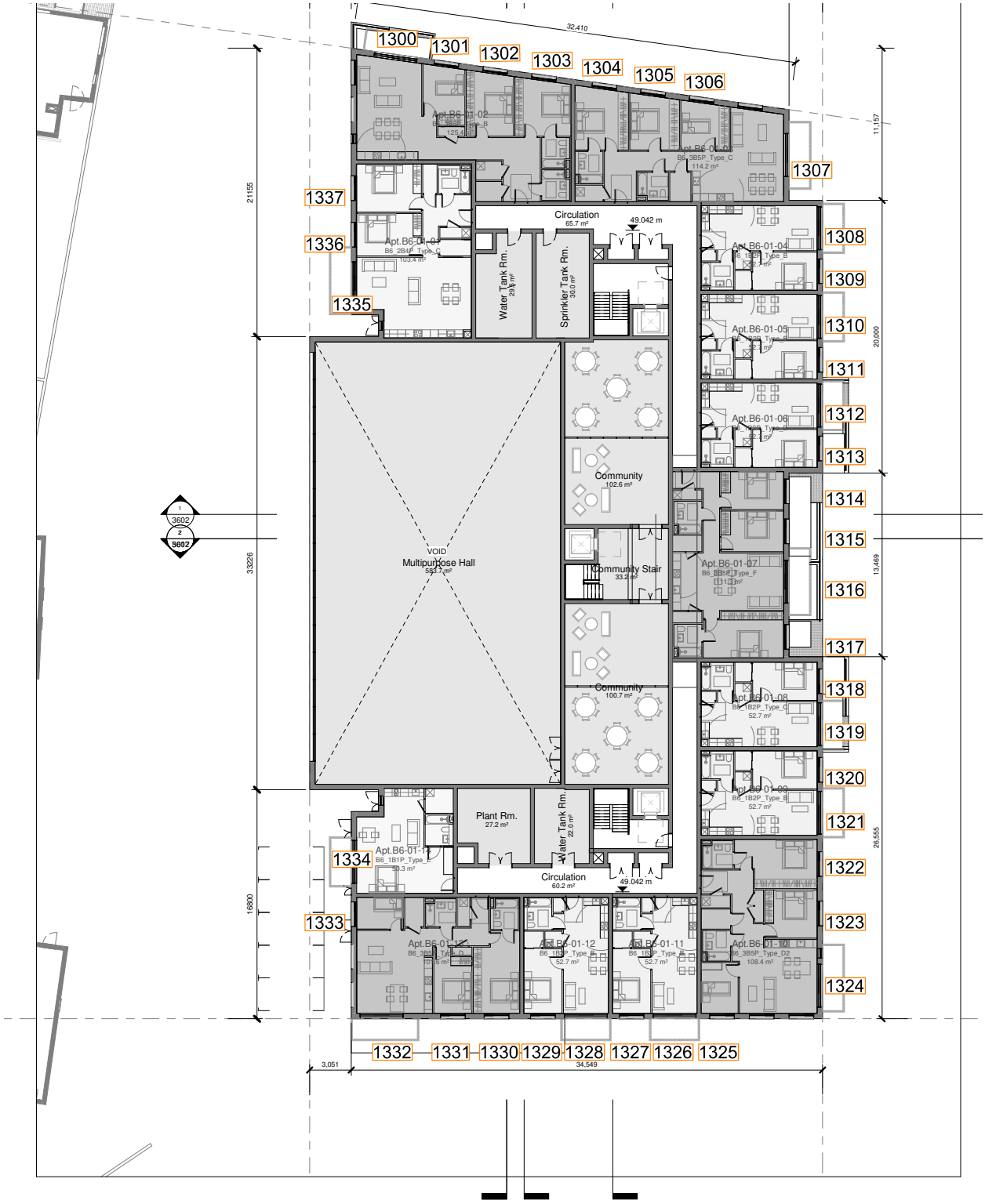



Fig. 34: Floor Plan

## Block 06 - Second Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 06 - SECOND FLOOR | | | | | | |
| 1338 | Bedroom | 5.2 | 100 | MET | | |
| 1339 | Bedroom | 3.9 | 99 | MET | | |
| 1340 | Bedroom | 4.4 | 100 | MET | | |
| 1341 | L/K/D | 3 | 99 | N/A | | |
| 1342 | L/K/D | 2.2 | 100 | MET | | |
| 1343 | Bedroom | 3.4 | 100 | MET | | |
| 1344 | L/K/D | 2.2 | 100 | MET | | |
| 1345 | Bedroom | 3.4 | 100 | MET | | |
| 1346 | L/K/D | 2.3 | 100 | MET | | |
| 1347 | Bedroom | 3.5 | 100 | MET | | |
| 1348 | L/K/D | 3 | 99 | MET | | |
| 1349 | L/K/D | 2.9 | 98 | MET | | |
| 1350 | Bedroom | 2.2 | 95 | MET | | |
| 1351 | L/K/D | 3.1 | 99 | MET | | |
| 1352 | Bedroom | 3.4 | 100 | MET | | |
| 1353 | L/K/D | 2.3 | 100 | MET | | |
| 1354 | Bedroom | 3.5 | 99 | MET | | |
| 1355 | Bedroom | 4.3 | 99 | MET | | |
| 1356 | L/K/D | 6.3 | 100 | N/A | 82 | 28 |
| 1357 | Bedroom | 4.8 | 100 | MET | | |
| 1358 | L/K/D | 2.6 | 100 | MET | 61 | 28 |
| 1359 | Bedroom | 4.9 | 100 | N/A | | |
| 1360 | Studio | 4.1 | 99 | MET | 53 | 18 |
| 1361 | Bedroom | 3.6 | 96 | MET | | |
| 1362 | Bedroom | 3.8 | 99 | MET | | |
| 1363 | Bedroom | 3.8 | 99 | MET | | |
| 1364 | Bedroom | 3.5 | 96 | MET | | |
| 1365 | Studio | 3.9 | 99 | MET | 53 | 19 |

Table 33: Assessment Data

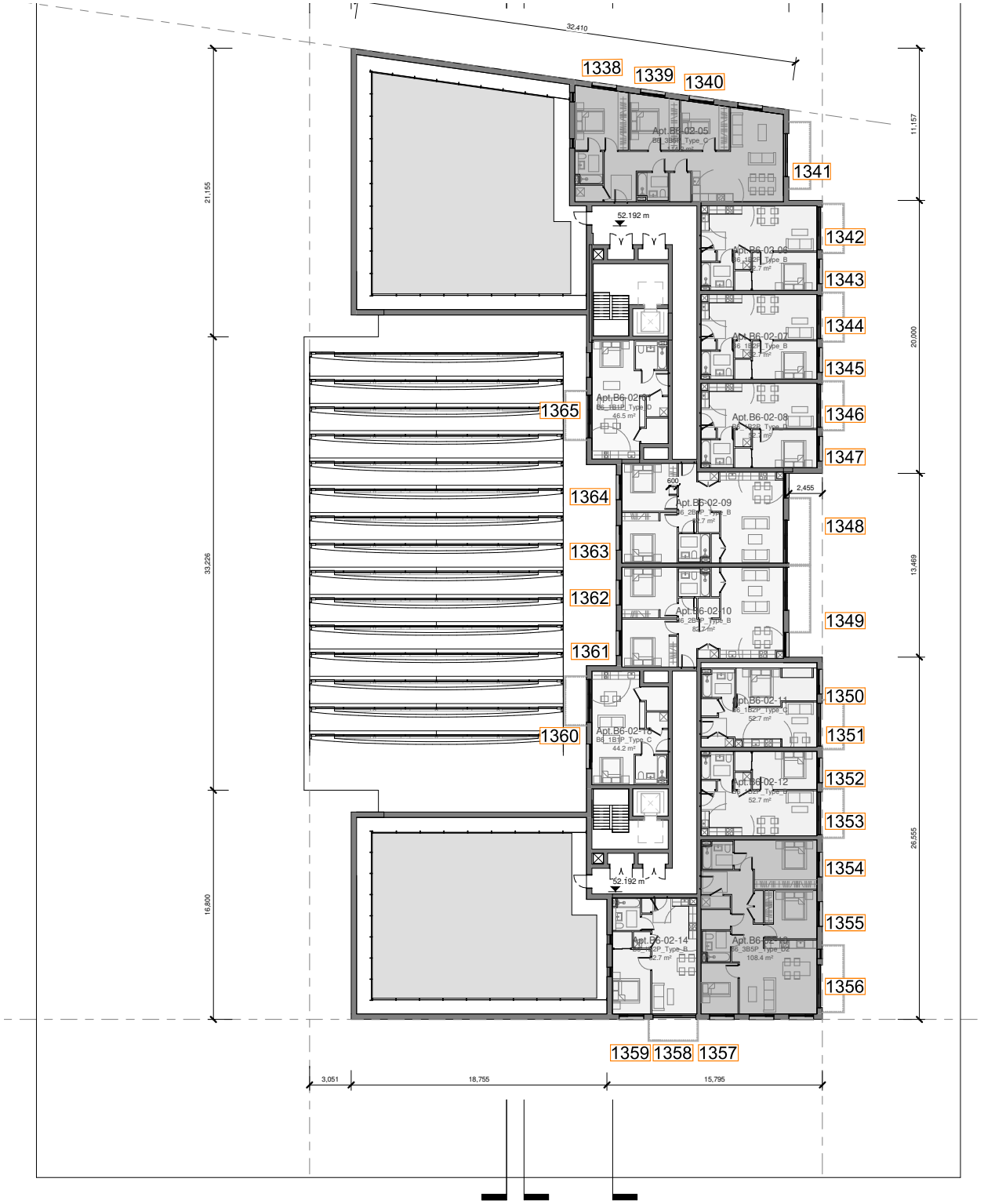



Fig. 35: Floor Plan

## Block 06 - Third Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 06 - THIRD FLOOR | | | | | | |
| 1366 | Bedroom | 5.6 | 100 | MET | | |
| 1367 | Bedroom | 4.1 | 99 | MET | | |
| 1368 | Bedroom | 4.7 | 100 | MET | | |
| 1369 | L/K/D | 4 | 99 | N/A | | |
| 1370 | L/K/D | 3.2 | 100 | MET | | |
| 1371 | Bedroom | 3.8 | 100 | MET | | |
| 1372 | L/K/D | 3.2 | 100 | MET | | |
| 1373 | Bedroom | 3.7 | 100 | MET | | |
| 1374 | L/K/D | 3.2 | 100 | MET | | |
| 1375 | Bedroom | 3.8 | 100 | MET | | |
| 1376 | L/K/D | 4.2 | 99 | MET | | |
| 1377 | L/K/D | 4.2 | 99 | MET | | |
| 1378 | Bedroom | 3.8 | 100 | MET | | |
| 1379 | L/K/D | 3.3 | 100 | MET | | |
| 1380 | Bedroom | 3.8 | 100 | MET | | |
| 1381 | L/K/D | 3.3 | 100 | MET | | |
| 1382 | Bedroom | 3.6 | 99 | MET | | |
| 1383 | Bedroom | 4.4 | 99 | MET | | |
| 1384 | L/K/D | 7.5 | 100 | N/A | 83 | 28 |
| 1385 | Bedroom | 4.9 | 100 | MET | | |
| 1386 | L/K/D | 3.5 | 100 | MET | 83 | 28 |
| 1387 | Bedroom | 5.2 | 100 | N/A | | |
| 1388 | Studio | 5.3 | 99 | MET | 54 | 19 |
| 1389 | Bedroom | 3.7 | 97 | MET | | |
| 1390 | Bedroom | 3.8 | 99 | MET | | |
| 1391 | Bedroom | 3.9 | 99 | MET | | |
| 1392 | Bedroom | 3.7 | 97 | MET | | |
| 1393 | Studio | 5.1 | 99 | MET | 55 | 20 |

Table 34: Assessment Data

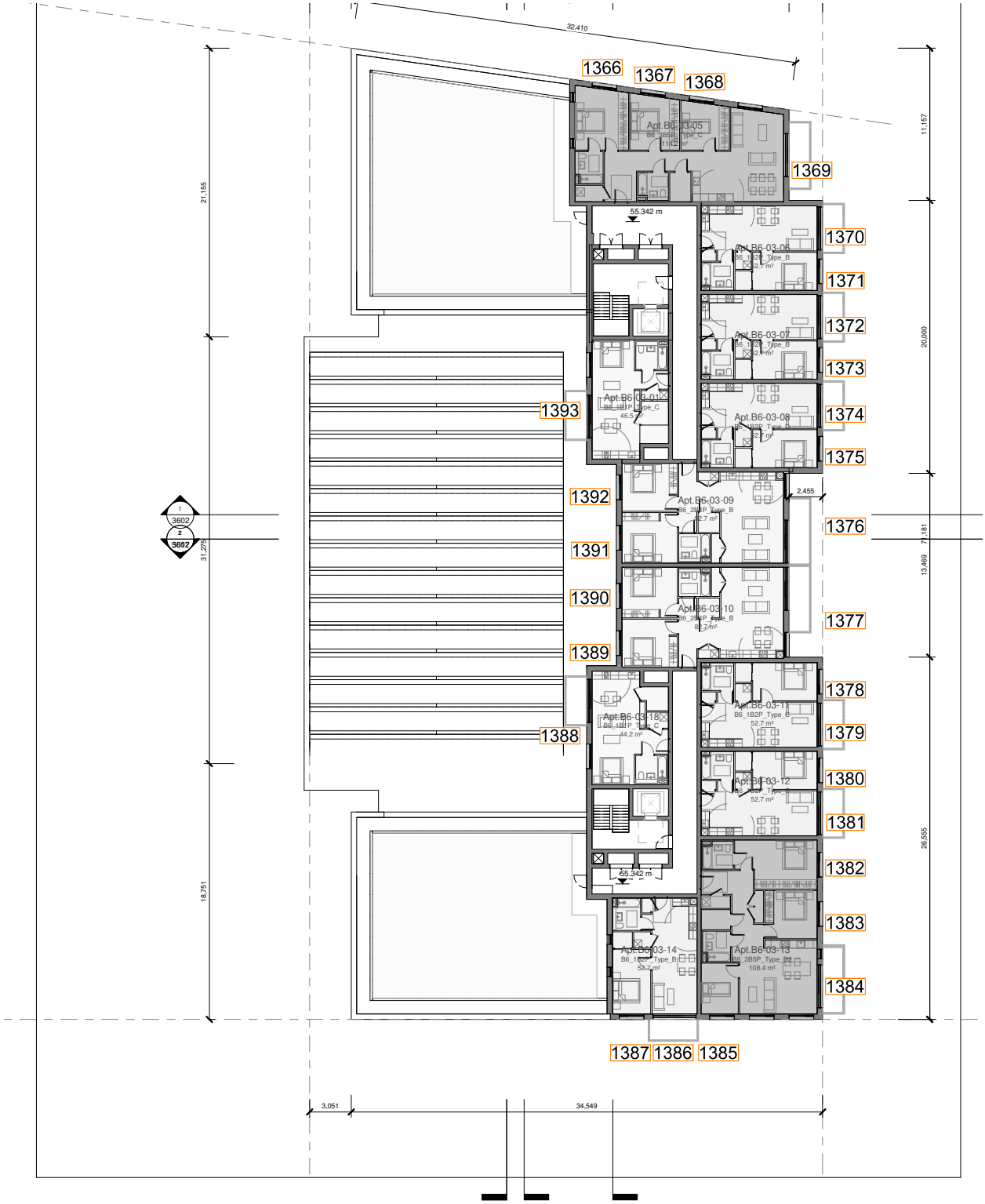



Fig. 36: Floor Plan

## Block 07 - Ground Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 07 - GROUND FLOOR | | | | | | |
| 1394 | L/K/D | 2.8 | 99 | N/A | 39 | 8 |
| 1395 | Bedroom | 4.6 | 98 | MET | | |
| 1396 | Bedroom | 4.8 | 100 | MET | | |
| 1397 | Bedroom | 4.1 | 99 | MET | | |
| 1398 | Bedroom | 4 | 99 | MET | | |
| 1399 | Bedroom | 4.1 | 99 | MET | | |
| 1400 | L/K/D | 2 | 97 | MET | | |
| 1401 | L/K/D | 2.2 | 98 | MET | | |
| 1402 | Bedroom | 3.2 | 99 | MET | | |
| 1403 | Bedroom | 3.3 | 98 | MET | | |
| 1404 | Bedroom | 3.6 | 98 | MET | | |
| 1405 | L/K/D | 3.2 | 97 | N/A | | |
| 1406 | L/K/D | 1.5 | 94 | N/A | 69 | 20 |
| 1407 | Bedroom | 2.8 | 99 | MET | | |
| 1408 | Bedroom | 3.4 | 99 | MET | | |
| 1409 | L/K/D | 2.3 | 98 | MET | 37 | 19 |
| 1410 | Bedroom | 3.3 | 100 | MET | | |
| 1411 | L/K/D | 5.2 | 99 | N/A | 83 | 20 |
| 1412 | L/K/D | 2.5 | 88 | N/A | 55 | 17 |
| 1413 | Bedroom | 3.1 | 99 | MET | | |
| 1414 | Bedroom | 3 | 98 | MET | | |
| 1415 | Bedroom | 2.9 | 99 | MET | | |
| 1416 | L/K/D | 1.8 | 91 | NOT MET | 39 | 10 |
| 1417 | Bedroom | 3.1 | 100 | MET | | |
| 1418 | L/K/D | 1.2 | 74 | MET | 15 | 2 |
| 1419 | Bedroom | 2.8 | 99 | MET | | |
| 1420 | Bedroom | 2.6 | 98 | MET | | |
| 1421 | L/K/D | 2.6 | 92 | N/A | 41 | 10 |
| 1422 | Bedroom | 2.6 | 72 | MET | | |
| 1423 | Bedroom | 3 | 88 | MET | | |
| 1424 | L/K/D | 2.9 | 97 | N/A | 42 | 14 |
| 1425 | Bedroom | 3.4 | 98 | MET | | |

Table 35: Assessment Data


Fig. 37: Floor Plan

## Block 07 - First Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 07 - FIRST FLOOR | | | | | | |
| 1426 | L/K/D | 2.2 | 100 | N/A | 45 | 11 |
| 1427 | Bedroom | 3.6 | 98 | N/A | | |
| 1428 | Bedroom | 3.8 | 100 | MET | | |
| 1429 | Bedroom | 3.2 | 99 | MET | | |
| 1430 | Bedroom | 2.9 | 99 | MET | | |
| 1431 | Bedroom | 2.8 | 98 | MET | | |
| 1432 | L/K/D | 2.2 | 99 | NOT MET | | |
| 1433 | L/K/D | 3.2 | 99 | MET | 4 | 0 |
| 1434 | Bedroom | 2.7 | 99 | MET | | |
| 1435 | Bedroom | 2.6 | 98 | MET | | |
| 1436 | Bedroom | 2.9 | 98 | MET | | |
| 1437 | L/K/D | 2.2 | 99 | N/A | | |
| 1438 | Bedroom | 4.9 | 100 | N/A | | |
| 1439 | L/K/D | 3.9 | 99 | N/A | 9 | 0 |
| 1440 | Bedroom | 4.1 | 98 | MET | | |
| 1441 | L/K/D | 3.8 | 99 | N/A | | |
| 1442 | Bedroom | 2.6 | 68 | MET | | |
| 1443 | L/K/D | 1.6 | 40 | MET | | |
| 1444 | Bedroom | 1.4 | 58 | MET | | |
| 1445 | Bedroom | 1.3 | 63 | MET | | |
| 1446 | L/K/D | 2.7 | 82 | N/A | 35 | 7 |
| 1447 | L/K/D | 2.6 | 74 | N/A | | |
| 1448 | Bedroom | 1.6 | 82 | MET | | |
| 1449 | Bedroom | 1.8 | 86 | MET | | |
| 1450 | Bedroom | 1.7 | 86 | MET | | |
| 1451 | L/K/D | 1.7 | 85 | N/A | 33 | 8 |
| 1452 | L/K/D | 1.9 | 97 | MET | | |
| 1453 | Bedroom | 1.2 | 83 | MET | | |
| 1454 | L/K/D | 2.1 | 92 | N/A | 31 | 5 |
| 1455 | Bedroom | 1.7 | 93 | MET | | |
| 1456 | Bedroom | 1.8 | 96 | MET | | |
| 1457 | L/K/D | 3 | 99 | N/A | 76 | 22 |
| 1458 | Bedroom | 3.8 | 100 | MET | | |
| 1459 | Bedroom | 4 | 100 | MET | | |
| 1460 | L/K/D | 1.5 | 99 | N/A | 72 | 23 |
| 1461 | Bedroom | 4 | 100 | MET | | |
| 1462 | Bedroom | 1.5 | 95 | MET | | |
| 1463 | L/K/D | 2.3 | 100 | N/A | 72 | 23 |
| 1464 | Bedroom | 2.5 | 98 | MET | | |
| 1465 | L/K/D | 1.7 | 99 | MET | 30 | 22 |
| 1466 | Bedroom | 2.7 | 98 | MET | | |
| 1467 | Bedroom | 4.4 | 99 | N/A | | |
| 1468 | L/K/D | 2.6 | 100 | N/A | 74 | 24 |
| 1469 | Bedroom | 2.4 | 99 | MET | | |
| 1470 | Bedroom | 2.7 | 99 | MET | | |
| 1471 | L/K/D | 1.9 | 100 | MET | 34 | 22 |
| 1472 | Bedroom | 2.5 | 100 | MET | | |
| 1473 | L/K/D | 4.5 | 100 | N/A | 89 | 24 |
| 1474 | L/K/D | 2 | 94 | N/A | 64 | 21 |
| 1475 | Bedroom | 2.7 | 99 | MET | | |
| 1476 | Bedroom | 2.7 | 98 | MET | | |
| 1477 | Bedroom | 2.5 | 97 | MET | | |

Table 36: Assessment Data


Fig. 38: Floor Plan

## Block 07 - First Floor - Continued

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 07 - FIRST FLOOR - Continued | | | | | | |
| 1478 | L/K/D | 3.1 | 99 | N/A | 46 | 12 |
| 1479 | L/K/D | 2.9 | 99 | N/A | 49 | 14 |
| 1480 | Bedroom | 2.2 | 96 | MET | | |
| 1481 | Bedroom | 2.7 | 100 | MET | | |
| 1482 | Bedroom | 2.2 | 97 | MET | | |
| 1483 | L/K/D | 2 | 96 | N/A | 46 | 12 |
| 1484 | Bedroom | 1.3 | 57 | MET | | |
| 1485 | L/K/D | 2.2 | 62 | N/A | | |
| 1486 | Bedroom | 2.4 | 97 | MET | | |
| 1487 | Bedroom | 3.1 | 100 | MET | | |
| 1488 | L/K/D | 2.3 | 80 | MET | | |
| 1489 | Bedroom | 1.8 | 89 | MET | | |
| 1490 | L/K/D | 0.9 | 41 | MET | | |
| 1491 | Bedroom | 2.1 | 88 | MET | | |
| 1492 | L/K/D | 1.4 | 56 | MET | | |
| 1493 | Bedroom | 2.6 | 91 | MET | | |
| 1494 | L/K/D | 1.6 | 64 | MET | | |
| 1495 | Bedroom | 1.9 | 60 | MET | | |
| 1496 | Bedroom | 1.8 | 79 | MET | | |
| 1497 | Bedroom | 1.4 | 26 | MET | | |
| 1498 | L/K/D | 2.3 | 96 | N/A | 4 | 0 |
| 1499 | Bedroom | 3.4 | 98 | MET | | |
| 1500 | Bedroom | 3.1 | 97 | MET | | |
| 1501 | Bedroom | 2.3 | 98 | MET | | |
| 1502 | L/K/D | 1 | 81 | N/A | | |
| 1503 | Bedroom | 1.8 | 99 | MET | | |
| 1504 | Bedroom | 2.7 | 87 | MET | | |
| 1505 | Bedroom | 2.1 | 81 | MET | | |
| 1506 | L/K/D | 1.3 | 72 | MET | 16 | 2 |
| 1507 | Bedroom | 2.7 | 100 | MET | | |
| 1508 | Bedroom | 3.2 | 100 | MET | | |
| 1509 | Bedroom | 3.1 | 100 | MET | | |
| 1510 | L/K/D | 2.1 | 100 | MET | 28 | 5 |
| 1511 | L/K/D | 1.7 | 90 | MET | 12 | 3 |
| 1512 | Bedroom | 2.9 | 100 | MET | | |
| 1513 | L/K/D | 1.3 | 91 | MET | 26 | 8 |
| 1514 | Bedroom | 1.3 | 68 | MET | | |
| 1515 | Bedroom | 2.1 | 64 | MET | | |
| 1516 | Bedroom | 2.4 | 81 | MET | | |
| 1517 | Bedroom | 1.8 | 40 | MET | | |
| 1518 | L/K/D | 3.7 | 100 | N/A | 36 | 14 |
| 1519 | Bedroom | 2.5 | 97 | MET | | |
| 1520 | Bedroom | 3.3 | 100 | MET | | |
| 1521 | L/K/D | 2.1 | 100 | MET | 30 | 13 |
| 1522 | L/K/D | 1.2 | 86 | MET | 19 | 12 |
| 1523 | Bedroom | 2.6 | 93 | MET | | |
| 1524 | Bedroom | 2.4 | 85 | MET | | |
| 1525 | L/K/D | 1 | 63 | MET | 28 | 10 |
| 1526 | Bedroom | 2.2 | 63 | MET | | |
| 1527 | Bedroom | 2.5 | 64 | MET | | |
| 1528 | Bedroom | 2.3 | 73 | MET | | |
| 1529 | Bedroom | 2.5 | 91 | MET | | |
| 1530 | L/K/D | 2.6 | 97 | N/A | 49 | 15 |
| 1531 | Bedroom | 2 | 95 | MET | | |

Table 37: Assessment Data


Fig. 39: Floor Plan

## Block 07 - Second Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 07 - SECOND FLOOR | | | | | | |
| 1532 | L/K/D | 2.2 | 100 | N/A | 48 | 15 |
| 1533 | Bedroom | 3.5 | 98 | N/A | | |
| 1534 | Bedroom | 3.8 | 100 | MET | | |
| 1535 | Bedroom | 3.2 | 99 | MET | | |
| 1536 | Bedroom | 2.4 | 99 | MET | | |
| 1537 | Bedroom | 2.3 | 98 | MET | | |
| 1538 | L/K/D | 2.3 | 99 | N/A | | |
| 1539 | L/K/D | 3.3 | 99 | N/A | 4 | 0 |
| 1540 | Bedroom | 1.9 | 99 | MET | | |
| 1541 | Bedroom | 1.8 | 98 | MET | | |
| 1542 | Bedroom | 2 | 98 | MET | | |
| 1543 | L/K/D | 2.3 | 99 | N/A | | |
| 1544 | Bedroom | 4.6 | 100 | N/A | | |
| 1545 | L/K/D | 3.8 | 99 | N/A | 9 | 0 |
| 1546 | Bedroom | 4.1 | 98 | MET | | |
| 1547 | L/K/D | 3.7 | 99 | N/A | | |
| 1548 | Bedroom | 2.7 | 79 | MET | | |
| 1549 | L/K/D | 1.6 | 51 | MET | | |
| 1550 | Bedroom | 1.2 | 58 | MET | | |
| 1551 | Bedroom | 1.2 | 65 | MET | | |
| 1552 | L/K/D | 2.8 | 86 | N/A | 38 | 7 |
| 1553 | L/K/D | 2.8 | 83 | N/A | | |
| 1554 | Bedroom | 1.2 | 81 | MET | | |
| 1555 | Bedroom | 1.4 | 83 | MET | | |
| 1556 | Bedroom | 1.4 | 84 | MET | | |
| 1557 | L/K/D | 1.7 | 86 | N/A | 37 | 9 |
| 1558 | L/K/D | 1.8 | 99 | MET | | |
| 1559 | Bedroom | 1.3 | 83 | MET | | |
| 1560 | L/K/D | 1.9 | 89 | N/A | 34 | 8 |
| 1561 | Bedroom | 1.4 | 93 | MET | | |
| 1562 | Bedroom | 1.6 | 96 | MET | | |
| 1563 | L/K/D | 2.9 | 99 | N/A | 78 | 24 |
| 1564 | Bedroom | 3.9 | 100 | MET | | |
| 1565 | Bedroom | 4 | 100 | MET | | |
| 1566 | L/K/D | 1.5 | 99 | N/A | 74 | 24 |
| 1567 | Bedroom | 3.3 | 100 | MET | | |
| 1568 | Bedroom | 1.2 | 94 | MET | | |
| 1569 | L/K/D | 2.3 | 100 | N/A | 74 | 24 |
| 1570 | Bedroom | 2.1 | 98 | MET | | |
| 1571 | Bedroom | 2.1 | 97 | MET | | |
| 1572 | L/K/D | 2.6 | 99 | N/A | 75 | 25 |
| 1573 | L/K/D | 2.4 | 100 | N/A | 75 | 25 |
| 1574 | Bedroom | 1.9 | 98 | MET | | |
| 1575 | Bedroom | 2.1 | 100 | MET | | |
| 1576 | Bedroom | 2.3 | 100 | MET | | |
| 1577 | L/K/D | 3.9 | 100 | N/A | 94 | 30 |
| 1578 | Bedroom | 3.6 | 98 | MET | | |
| 1579 | L/K/D | 2.3 | 100 | N/A | 70 | 25 |
| 1580 | Bedroom | 1.8 | 99 | MET | | |
| 1581 | Bedroom | 1.8 | 98 | MET | | |
| 1582 | Bedroom | 1.7 | 97 | MET | | |
| 1583 | L/K/D | 3.3 | 99 | N/A | 51 | 16 |

Table 38: Assessment Data


Fig. 40: Floor Plan

## Block 07 - Second Floor - Continued

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 07 - SECOND FLOOR - Continued | | | | | | |
| 1584 | L/K/D | 3.1 | 99 | N/A | 55 | 16 |
| 1585 | Bedroom | 1.7 | 96 | MET | | |
| 1586 | Bedroom | 1.9 | 100 | MET | | |
| 1587 | Bedroom | 1.6 | 97 | MET | | |
| 1588 | L/K/D | 2.5 | 98 | N/A | 51 | 16 |
| 1589 | Bedroom | 2.6 | 61 | MET | | |
| 1590 | L/K/D | 2 | 72 | N/A | | |
| 1591 | Bedroom | 3.4 | 99 | MET | | |
| 1592 | Bedroom | 3.5 | 100 | MET | | |
| 1593 | Bedroom | 3.5 | 100 | MET | | |
| 1594 | L/K/D | 2.4 | 100 | MET | | |
| 1595 | Bedroom | 2 | 99 | MET | | |
| 1596 | L/K/D | 1.1 | 64 | MET | | |
| 1597 | Bedroom | 2.5 | 99 | MET | | |
| 1598 | L/K/D | 1.7 | 72 | MET | | |
| 1599 | Bedroom | 2.7 | 95 | MET | | |
| 1600 | L/K/D | 1.8 | 83 | MET | | |
| 1601 | Bedroom | 2.4 | 72 | MET | | |
| 1602 | Bedroom | 2 | 86 | MET | | |
| 1603 | Bedroom | 0.7 | 49 | MET | | |
| 1604 | Bedroom | 1.9 | 43 | MET | | |
| 1605 | L/K/D | 2.6 | 97 | N/A | 11 | 0 |
| 1606 | Bedroom | 3.6 | 98 | MET | | |
| 1607 | Bedroom | 3.3 | 98 | MET | | |
| 1608 | Bedroom | 2.4 | 98 | MET | | |
| 1609 | L/K/D | 1 | 90 | N/A | | |
| 1610 | Bedroom | 1.9 | 99 | MET | | |
| 1611 | Bedroom | 3 | 89 | MET | | |
| 1612 | L/K/D | 2.3 | 98 | MET | 16 | 0 |
| 1613 | L/K/D | 1.4 | 81 | MET | 19 | 2 |
| 1614 | Bedroom | 3 | 100 | MET | | |
| 1615 | Bedroom | 3.5 | 100 | MET | | |
| 1616 | Bedroom | 3.4 | 100 | MET | | |
| 1617 | L/K/D | 2.2 | 100 | MET | 30 | 7 |
| 1618 | L/K/D | 1.6 | 95 | MET | 14 | 4 |
| 1619 | Bedroom | 2.9 | 99 | MET | | |
| 1620 | Bedroom | 2.9 | 92 | MET | | |
| 1621 | L/K/D | 1.4 | 92 | MET | 27 | 10 |
| 1622 | Bedroom | 1.5 | 72 | MET | | |
| 1623 | Bedroom | 2.4 | 93 | MET | | |
| 1624 | Bedroom | 2.6 | 94 | MET | | |
| 1625 | Bedroom | 3.2 | 85 | MET | | |
| 1626 | L/K/D | 3.6 | 100 | N/A | 48 | 22 |
| 1627 | Bedroom | 3.3 | 99 | MET | | |
| 1628 | Bedroom | 3.8 | 100 | MET | | |
| 1629 | Bedroom | 3.5 | 100 | MET | | |
| 1630 | L/K/D | 2.2 | 100 | MET | 35 | 17 |
| 1631 | L/K/D | 1.3 | 93 | MET | 24 | 16 |
| 1632 | Bedroom | 2.7 | 96 | MET | | |
| 1633 | Bedroom | 2.7 | 86 | MET | | |
| 1634 | L/K/D | 1.2 | 68 | MET | 30 | 11 |
| 1635 | Bedroom | 2.4 | 68 | MET | | |
| 1636 | Bedroom | 2.9 | 71 | MET | | |
| 1637 | Bedroom | 2.6 | 77 | MET | | |
| 1638 | Bedroom | 2.8 | 93 | MET | | |
| 1639 | L/K/D | 2.6 | 97 | N/A | 49 | 16 |
| 1640 | Bedroom | 2.1 | 95 | MET | | |

Table 39: Assessment Data


Fig. 41: Floor Plan

## Block 07 - Third Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 07 - THIRD FLOOR | | | | | | |
| 1641 | L/K/D | 2.9 | 100 | N/A | 50 | 15 |
| 1642 | Bedroom | 3.7 | 98 | N/A | | |
| 1643 | Bedroom | 3.9 | 100 | MET | | |
| 1644 | Bedroom | 3.3 | 99 | MET | | |
| 1645 | Bedroom | 2.9 | 99 | MET | | |
| 1646 | Bedroom | 2.6 | 98 | MET | | |
| 1647 | L/K/D | 2.5 | 99 | N/A | 6 | 0 |
| 1648 | L/K/D | 3.7 | 100 | N/A | 4 | 0 |
| 1649 | Bedroom | 2.7 | 99 | MET | | |
| 1650 | Bedroom | 2.7 | 98 | MET | | |
| 1651 | Bedroom | 2.8 | 98 | MET | | |
| 1652 | L/K/D | 2.6 | 99 | N/A | 36 | 7 |
| 1653 | Bedroom | 5.4 | 100 | N/A | | |
| 1654 | L/K/D | 4.1 | 99 | N/A | 9 | 0 |
| 1655 | Bedroom | 4.2 | 98 | MET | | |
| 1656 | L/K/D | 4.1 | 99 | N/A | | |
| 1657 | Bedroom | 2.9 | 95 | MET | | |
| 1658 | L/K/D | 1.9 | 70 | N/A | 35 | 8 |
| 1659 | Bedroom | 1.6 | 96 | MET | | |
| 1660 | Bedroom | 1.6 | 97 | MET | | |
| 1661 | L/K/D | 3.2 | 92 | N/A | 48 | 10 |
| 1662 | L/K/D | 3.2 | 96 | N/A | 38 | 9 |
| 1663 | Bedroom | 1.8 | 97 | MET | | |
| 1664 | Bedroom | 2 | 99 | MET | | |
| 1665 | Bedroom | 2 | 99 | MET | | |
| 1666 | L/K/D | 1.9 | 88 | N/A | 44 | 9 |
| 1667 | L/K/D | 1.9 | 99 | MET | | |
| 1668 | Bedroom | 1.4 | 84 | MET | | |
| 1669 | L/K/D | 2.1 | 94 | N/A | 37 | 8 |
| 1670 | Bedroom | 1.9 | 96 | MET | | |
| 1671 | Bedroom | 2.1 | 98 | MET | | |
| 1672 | L/K/D | 3.3 | 100 | N/A | 80 | 26 |
| 1673 | Bedroom | 4 | 99 | MET | | |
| 1674 | Bedroom | 4.1 | 100 | MET | | |
| 1675 | L/K/D | 1.6 | 99 | N/A | 76 | 26 |
| 1676 | Bedroom | 4.2 | 100 | MET | | |
| 1677 | Bedroom | 1.5 | 95 | MET | | |
| 1678 | L/K/D | 2.5 | 100 | N/A | 76 | 26 |
| 1679 | Bedroom | 2.5 | 99 | MET | | |
| 1680 | L/K/D | 1.8 | 99 | MET | 33 | 25 |
| 1681 | Bedroom | 2.9 | 98 | MET | | |
| 1682 | Bedroom | 2.9 | 99 | N/A | | |
| 1683 | L/K/D | 2.7 | 100 | MET | 46 | 27 |
| 1684 | L/K/D | 2 | 100 | N/A | 78 | 28 |
| 1685 | Bedroom | 2.6 | 98 | MET | | |
| 1686 | Bedroom | 2.7 | 100 | MET | | |
| 1687 | Bedroom | 2.9 | 100 | MET | | |
| 1688 | L/K/D | 4.2 | 100 | N/A | 95 | 30 |
| 1689 | Bedroom | 3.7 | 98 | MET | | |
| 1690 | L/K/D | 2.5 | 100 | N/A | 73 | 25 |
| 1691 | Bedroom | 2.4 | 99 | MET | | |
| 1692 | Bedroom | 2.5 | 98 | MET | | |

Table 40: Assessment Data


Fig. 42: Floor Plan

## Block 07 - Third Floor - Continued

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 07 - THIRD FLOOR - Continued | | | | | | |
| 1693 | Bedroom | 2.2 | 97 | MET | | |
| 1694 | L/K/D | 2.3 | 99 | N/A | 51 | 16 |
| 1695 | L/K/D | 3.5 | 100 | N/A | 59 | 17 |
| 1696 | Bedroom | 2.2 | 96 | MET | | |
| 1697 | Bedroom | 2.6 | 100 | MET | | |
| 1698 | Bedroom | 2.1 | 97 | MET | | |
| 1699 | L/K/D | 2.8 | 99 | N/A | 51 | 16 |
| 1700 | Bedroom | 3.2 | 84 | MET | | |
| 1701 | L/K/D | 2.4 | 98 | N/A | | |
| 1702 | Bedroom | 3.6 | 99 | MET | | |
| 1703 | Bedroom | 3.8 | 100 | MET | | |
| 1704 | Bedroom | 3.8 | 100 | MET | | |
| 1705 | L/K/D | 2.6 | 100 | MET | | |
| 1706 | Bedroom | 2.2 | 99 | MET | | |
| 1707 | L/K/D | 1.2 | 99 | MET | | |
| 1708 | Bedroom | 2.8 | 99 | MET | | |
| 1709 | L/K/D | 1.9 | 91 | MET | | |
| 1710 | Bedroom | 3 | 98 | MET | | |
| 1711 | L/K/D | 2.1 | 95 | MET | | |
| 1712 | Bedroom | 2.5 | 82 | MET | | |
| 1713 | Bedroom | 2.3 | 92 | MET | | |
| 1714 | Bedroom | 2.6 | 88 | MET | | |
| 1715 | Bedroom | 2.5 | 64 | MET | | |
| 1716 | L/K/D | 2.9 | 98 | N/A | 19 | 0 |
| 1717 | Bedroom | 3.8 | 99 | MET | | |
| 1718 | Bedroom | 3.6 | 98 | MET | | |
| 1719 | Bedroom | 2.5 | 99 | MET | | |
| 1720 | L/K/D | 1.1 | 98 | N/A | | |
| 1721 | Bedroom | 2.1 | 99 | MET | | |
| 1722 | Bedroom | 3.3 | 92 | MET | | |
| 1723 | L/K/D | 2.6 | 100 | MET | 23 | 2 |
| 1724 | L/K/D | 1.5 | 98 | MET | 24 | 4 |
| 1725 | Bedroom | 3.2 | 100 | MET | | |
| 1726 | Bedroom | 3.7 | 100 | MET | | |
| 1727 | Bedroom | 3.6 | 100 | MET | | |
| 1728 | L/K/D | 2.4 | 100 | MET | 32 | 10 |
| 1729 | L/K/D | 1.7 | 99 | MET | 19 | 6 |
| 1730 | Bedroom | 3.1 | 99 | MET | | |
| 1731 | Bedroom | 3.3 | 97 | MET | | |
| 1732 | L/K/D | 1.7 | 93 | MET | 32 | 11 |
| 1733 | Bedroom | 1.7 | 84 | MET | | |
| 1734 | Bedroom | 2.9 | 95 | MET | | |
| 1735 | Bedroom | 3.8 | 99 | MET | | |
| 1736 | Bedroom | 3.7 | 99 | MET | | |
| 1737 | L/K/D | 4.1 | 100 | N/A | 56 | 25 |
| 1738 | Bedroom | 3.5 | 99 | MET | | |
| 1739 | Bedroom | 4.1 | 100 | MET | | |
| 1740 | Bedroom | 3.8 | 100 | MET | | |
| 1741 | L/K/D | 2.5 | 100 | MET | 41 | 22 |
| 1742 | Bedroom | 3.2 | 100 | MET | | |
| 1743 | Bedroom | 2.7 | 88 | MET | | |
| 1744 | L/K/D | 1.3 | 91 | MET | 58 | 16 |
| 1745 | L/K/D | 1.4 | 75 | MET | 37 | 17 |
| 1746 | Bedroom | 3 | 82 | MET | | |
| 1747 | Bedroom | 3.3 | 87 | MET | | |
| 1748 | Bedroom | 2.9 | 89 | MET | | |
| 1749 | Bedroom | 3.1 | 98 | MET | | |
| 1750 | L/K/D | 3 | 97 | N/A | 51 | 16 |
| 1751 | Bedroom | 2.2 | 97 | MET | | |

Table 41: Assessment Data


Fig. 43: Floor Plan

## Block 07 - Fourth Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 07 - FOURTH FLOOR | | | | | | |
| 1752 | L/K/D | 2.2 | 100 | N/A | 48 | 15 |
| 1753 | Bedroom | 3.4 | 98 | N/A | | |
| 1754 | Bedroom | 3.8 | 100 | MET | | |
| 1755 | Bedroom | 3.2 | 99 | MET | | |
| 1756 | Bedroom | 2.4 | 99 | MET | | |
| 1757 | Bedroom | 2.2 | 98 | MET | | |
| 1758 | L/K/D | 2.4 | 99 | N/A | | |
| 1759 | L/K/D | 2.9 | 100 | N/A | 7 | 0 |
| 1760 | Bedroom | 1.8 | 99 | MET | | |
| 1761 | Bedroom | 1.8 | 98 | MET | | |
| 1762 | Bedroom | 1.9 | 98 | MET | | |
| 1763 | L/K/D | 2.4 | 100 | N/A | | |
| 1764 | Bedroom | 5.2 | 100 | N/A | | |
| 1765 | L/K/D | 4 | 99 | MET | 9 | 0 |
| 1766 | Bedroom | 4.2 | 98 | MET | | |
| 1767 | L/K/D | 4 | 99 | N/A | | |
| 1768 | Bedroom | 3 | 99 | MET | | |
| 1769 | L/K/D | 1.9 | 98 | N/A | | |
| 1770 | Bedroom | 1.5 | 95 | MET | | |
| 1771 | Bedroom | 1.4 | 97 | MET | | |
| 1772 | L/K/D | 3.4 | 99 | N/A | 54 | 13 |
| 1773 | L/K/D | 3.4 | 99 | N/A | | |
| 1774 | Bedroom | 1.5 | 98 | MET | | |
| 1775 | Bedroom | 1.6 | 99 | MET | | |
| 1776 | Bedroom | 1.6 | 99 | MET | | |
| 1777 | L/K/D | 2 | 96 | N/A | 50 | 9 |
| 1778 | L/K/D | 2.1 | 99 | MET | | |
| 1779 | Bedroom | 1.5 | 86 | MET | | |
| 1780 | L/K/D | 2.2 | 99 | N/A | 38 | 9 |
| 1781 | Bedroom | 1.6 | 96 | MET | | |
| 1782 | Bedroom | 1.8 | 98 | MET | | |
| 1783 | L/K/D | 3.1 | 100 | N/A | 81 | 27 |
| 1784 | Bedroom | 4 | 99 | MET | | |
| 1785 | Bedroom | 4.2 | 100 | MET | | |
| 1786 | L/K/D | 1.6 | 99 | N/A | 76 | 26 |
| 1787 | Bedroom | 3.5 | 100 | MET | | |
| 1788 | Bedroom | 1.3 | 95 | MET | | |
| 1789 | L/K/D | 1.9 | 100 | NOT MET | 76 | 26 |
| 1790 | Bedroom | 2 | 99 | MET | | |
| 1791 | Bedroom | 2.1 | 100 | MET | | |
| 1792 | L/K/D | 1.3 | 100 | NOT MET | 22 | 19 |
| 1793 | Bedroom | 2.7 | 99 | N/A | | |
| 1794 | L/K/D | 2.2 | 100 | MET | 31 | 25 |
| 1795 | L/K/D | 2 | 99 | N/A | 78 | 28 |
| 1796 | Bedroom | 2 | 98 | MET | | |
| 1797 | Bedroom | 2.2 | 100 | MET | | |
| 1798 | Bedroom | 2.4 | 100 | MET | | |
| 1799 | L/K/D | 4.1 | 100 | N/A | 94 | 30 |
| 1800 | Bedroom | 3.6 | 98 | MET | | |
| 1801 | L/K/D | 2.4 | 100 | N/A | 76 | 26 |
| 1802 | Bedroom | 2.1 | 99 | MET | | |
| 1803 | Bedroom | 2 | 98 | MET | | |

Table 42: Assessment Data


Fig. 44: Floor Plan

## Block 07 - Fourth Floor - Continued

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 07 - FOURTH FLOOR - Continued | | | | | | |
| 1804 | L/K/D | 1.3 | 98 | MET | 19 | 8 |
| 1805 | Bedroom | 3.1 | 100 | N/A | | |
| 1806 | L/K/D | 3.6 | 100 | N/A | 62 | 19 |
| 1807 | Bedroom | 1.5 | 97 | MET | | |
| 1808 | Bedroom | 1.9 | 100 | MET | | |
| 1809 | Bedroom | 1.6 | 97 | MET | | |
| 1810 | L/K/D | 2.8 | 99 | N/A | 45 | 16 |
| 1811 | Bedroom | 3.8 | 98 | MET | | |
| 1812 | L/K/D | 2.7 | 100 | N/A | | |
| 1813 | Bedroom | 3.8 | 99 | MET | | |
| 1814 | Bedroom | 4 | 100 | MET | | |
| 1815 | Bedroom | 3.8 | 99 | MET | | |
| 1816 | L/K/D | 2.3 | 98 | MET | | |
| 1817 | Bedroom | 2.3 | 99 | MET | | |
| 1818 | L/K/D | 1.3 | 99 | MET | | |
| 1819 | Bedroom | 3.1 | 99 | MET | | |
| 1820 | L/K/D | 2.1 | 96 | MET | | |
| 1821 | Bedroom | 3.5 | 99 | MET | | |
| 1822 | L/K/D | 2.5 | 99 | MET | | |
| 1823 | Bedroom | 3.1 | 98 | MET | | |
| 1824 | Bedroom | 2.8 | 98 | MET | | |
| 1825 | Bedroom | 2.8 | 92 | MET | | |
| 1826 | Bedroom | 3 | 100 | MET | | |
| 1827 | L/K/D | 3.3 | 99 | N/A | 29 | 1 |
| 1828 | Bedroom | 4.1 | 100 | MET | | |
| 1829 | Bedroom | 3.7 | 99 | MET | | |
| 1830 | Bedroom | 2.8 | 99 | MET | | |
| 1831 | L/K/D | 1.2 | 100 | N/A | | |
| 1832 | Bedroom | 2.2 | 100 | MET | | |
| 1833 | Bedroom | 3.5 | 97 | MET | | |
| 1834 | L/K/D | 2.9 | 100 | MET | 29 | 5 |
| 1835 | L/K/D | 1.6 | 100 | MET | 28 | 6 |
| 1836 | Bedroom | 3.3 | 100 | MET | | |
| 1837 | Bedroom | 3.9 | 100 | MET | | |
| 1838 | Bedroom | 3.6 | 100 | MET | | |
| 1839 | L/K/D | 2.1 | 98 | MET | 35 | 12 |
| 1840 | Bedroom | 2.2 | 100 | MET | | |
| 1841 | Bedroom | 3.5 | 100 | MET | | |
| 1842 | L/K/D | 1.6 | 98 | MET | 38 | 10 |
| 1843 | L/K/D | 1.8 | 93 | MET | 38 | 13 |
| 1844 | Bedroom | 1.8 | 95 | MET | | |
| 1845 | Bedroom | 3.1 | 100 | MET | | |
| 1846 | Bedroom | 3.5 | 100 | MET | | |
| 1847 | Bedroom | 4 | 99 | MET | | |
| 1848 | L/K/D | 4.4 | 100 | N/A | 58 | 27 |
| 1849 | Bedroom | 3.7 | 99 | MET | | |
| 1850 | Bedroom | 4.3 | 100 | MET | | |
| 1851 | Bedroom | 3.6 | 100 | MET | | |
| 1852 | L/K/D | 2.1 | 100 | MET | 45 | 26 |
| 1853 | Bedroom | 3.7 | 100 | MET | | |
| 1854 | Bedroom | 3 | 98 | MET | | |
| 1855 | L/K/D | 1.5 | 95 | MET | 66 | 23 |
| 1856 | L/K/D | 1.6 | 79 | MET | 46 | 24 |
| 1857 | Bedroom | 3.3 | 100 | MET | | |
| 1858 | Bedroom | 4 | 100 | MET | | |
| 1859 | Bedroom | 3.2 | 99 | MET | | |
| 1860 | Bedroom | 3.3 | 99 | MET | | |
| 1861 | L/K/D | 2.7 | 97 | N/A | 50 | 17 |
| 1862 | Bedroom | 2.1 | 95 | MET | | |

Table 43: Assessment Data


Fig. 45: Floor Plan

## Block 07 - Fifth Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 07 - FIFTH FLOOR | | | | | | |
| 1863 | L/K/D | 2.9 | 100 | N/A | 50 | 15 |
| 1864 | Bedroom | 3.9 | 97 | N/A | | |
| 1865 | Bedroom | 4 | 100 | MET | | |
| 1866 | Bedroom | 3.5 | 99 | MET | | |
| 1867 | Bedroom | 4 | 100 | MET | | |
| 1868 | Bedroom | 3.6 | 97 | MET | | |
| 1869 | L/K/D | 2.8 | 99 | N/A | | |
| 1870 | L/K/D | 4.7 | 100 | N/A | | |
| 1871 | Bedroom | 4.8 | 100 | MET | | |
| 1872 | Bedroom | 4.5 | 100 | MET | | |
| 1873 | Bedroom | 4.5 | 100 | MET | | |
| 1874 | L/K/D | 3 | 100 | N/A | | |
| 1875 | Bedroom | 6.5 | 100 | N/A | | |
| 1876 | L/K/D | 3.8 | 99 | MET | | |
| 1877 | Bedroom | 4.4 | 99 | MET | | |
| 1878 | L/K/D | 4.7 | 99 | N/A | | |
| 1879 | Bedroom | 3.4 | 99 | MET | | |
| 1880 | L/K/D | 2.1 | 100 | MET | | |
| 1881 | Bedroom | 2.4 | 97 | MET | | |
| 1882 | Bedroom | 2.2 | 97 | MET | | |
| 1883 | L/K/D | 4.1 | 100 | N/A | 73 | 21 |
| 1884 | L/K/D | 4.7 | 100 | MET | | |
| 1885 | Bedroom | 2.7 | 96 | MET | | |
| 1886 | Bedroom | 2.6 | 96 | MET | | |
| 1887 | Bedroom | 2.5 | 95 | MET | | |
| 1888 | L/K/D | 3 | 100 | MET | | |
| 1889 | L/K/D | 4 | 100 | MET | | |
| 1890 | Bedroom | 1.8 | 94 | MET | | |
| 1891 | L/K/D | 3.1 | 100 | N/A | | |
| 1892 | Bedroom | 2.3 | 96 | MET | | |
| 1893 | Bedroom | 2.5 | 98 | MET | | |
| 1894 | L/K/D | 3.9 | 99 | N/A | 83 | 28 |
| 1895 | Bedroom | 4.4 | 99 | MET | | |
| 1896 | Bedroom | 4.5 | 100 | MET | | |
| 1897 | L/K/D | 1.6 | 99 | MET | 77 | 27 |
| 1898 | Bedroom | 6.4 | 100 | MET | | |
| 1899 | Bedroom | 2.4 | 97 | MET | | |
| 1900 | L/K/D | 4.5 | 100 | MET | 83 | 28 |
| 1901 | Bedroom | 2.5 | 96 | MET | | |
| 1902 | L/K/D | 4.5 | 100 | MET | 83 | 28 |
| 1903 | Bedroom | 2.5 | 96 | MET | | |
| 1904 | Bedroom | 3.1 | 97 | MET | | |
| 1905 | L/K/D | 4 | 100 | MET | 83 | 28 |
| 1906 | L/K/D | 3.6 | 99 | MET | 83 | 28 |
| 1907 | Bedroom | 2.3 | 98 | MET | | |
| 1908 | L/K/D | 2.9 | 100 | MET | 83 | 28 |
| 1909 | Bedroom | 4.3 | 100 | MET | | |
| 1910 | Bedroom | 3.3 | 99 | MET | | |
| 1911 | L/K/D | 3.8 | 100 | N/A | 81 | 27 |
| 1912 | Bedroom | 2.5 | 96 | MET | | |
| 1913 | Bedroom | 2.6 | 96 | MET | | |
| 1914 | Bedroom | 2.6 | 97 | MET | | |

Table 44: Assessment Data


Fig. 46: Floor Plan

## Block 07 - Fifth Floor - Continued

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 07 - FIFTH FLOOR - Continued | | | | | | |
| 1915 | L/K/D | 5.1 | 100 | MET | 55 | 20 |
| 1916 | L/K/D | 4.9 | 100 | MET | 56 | 20 |
| 1917 | Bedroom | 2.6 | 96 | MET | | |
| 1918 | Bedroom | 2.7 | 97 | MET | | |
| 1919 | Bedroom | 2.5 | 97 | MET | | |
| 1920 | L/K/D | 3.6 | 100 | MET | 56 | 20 |
| 1921 | L/K/D | 4.1 | 100 | N/A | | |
| 1922 | Bedroom | 4.3 | 100 | MET | | |
| 1923 | Bedroom | 4.3 | 99 | MET | | |
| 1924 | Bedroom | 4.3 | 100 | MET | | |
| 1925 | L/K/D | 4.5 | 100 | MET | | |
| 1926 | Bedroom | 2.6 | 99 | MET | | |
| 1927 | L/K/D | 2.2 | 99 | MET | | |
| 1928 | Bedroom | 3.6 | 99 | MET | | |
| 1929 | L/K/D | 3.5 | 99 | MET | | |
| 1930 | Bedroom | 4.3 | 100 | MET | | |
| 1931 | L/K/D | 4.4 | 98 | MET | | |
| 1932 | Bedroom | 3.9 | 99 | MET | | |
| 1933 | Bedroom | 3.2 | 98 | MET | | |
| 1934 | Bedroom | 3.2 | 97 | MET | | |
| 1935 | Bedroom | 3.8 | 100 | MET | | |
| 1936 | L/K/D | 4.7 | 100 | N/A | 37 | 7 |
| 1937 | Bedroom | 4.7 | 100 | MET | | |
| 1938 | Bedroom | 4.2 | 99 | MET | | |
| 1939 | Bedroom | 4.2 | 100 | MET | | |
| 1940 | L/K/D | 2.2 | 100 | N/A | | |
| 1941 | Bedroom | 3.7 | 100 | MET | | |
| 1942 | Bedroom | 4.2 | 99 | MET | | |
| 1943 | L/K/D | 4.7 | 100 | MET | 43 | 12 |
| 1944 | L/K/D | 2.7 | 99 | MET | 47 | 15 |
| 1945 | Bedroom | 4 | 100 | MET | | |
| 1946 | Bedroom | 4.2 | 100 | MET | | |
| 1947 | Bedroom | 4.3 | 100 | MET | | |
| 1948 | L/K/D | 4.2 | 100 | MET | 48 | 15 |
| 1949 | Bedroom | 3.8 | 100 | MET | | |
| 1950 | Bedroom | 4.9 | 100 | MET | | |
| 1951 | L/K/D | 2 | 99 | MET | 48 | 15 |
| 1952 | L/K/D | 2.8 | 100 | MET | 48 | 15 |
| 1953 | Bedroom | 2.1 | 95 | MET | | |
| 1954 | Bedroom | 3.9 | 100 | MET | | |
| 1955 | Bedroom | 6.9 | 100 | MET | | |
| 1956 | Bedroom | 4.6 | 98 | MET | | |
| 1957 | L/K/D | 6.2 | 100 | N/A | 91 | 30 |
| 1958 | Bedroom | 4.1 | 99 | MET | | |
| 1959 | Bedroom | 4.6 | 100 | MET | | |
| 1960 | Bedroom | 4.1 | 100 | MET | | |
| 1961 | L/K/D | 3.4 | 100 | MET | 86 | 30 |
| 1962 | Bedroom | 6.5 | 100 | MET | | |
| 1963 | Bedroom | 3.8 | 98 | MET | | |
| 1964 | L/K/D | 1.8 | 99 | MET | 81 | 30 |
| 1965 | L/K/D | 2.9 | 100 | MET | 86 | 30 |
| 1966 | Bedroom | 4.2 | 100 | MET | | |
| 1967 | Bedroom | 4.3 | 100 | MET | | |
| 1968 | Bedroom | 3.9 | 100 | MET | | |
| 1969 | Bedroom | 3.8 | 99 | MET | | |
| 1970 | L/K/D | 3.3 | 98 | N/A | 53 | 18 |
| 1971 | Bedroom | 3.4 | 98 | MET | | |

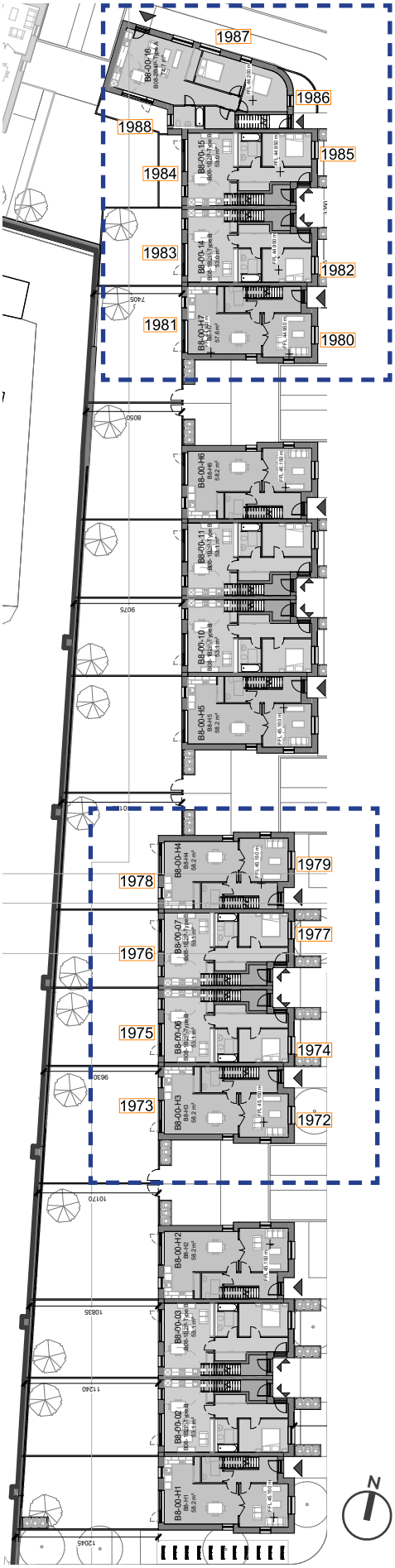
Table 45: Assessment Data


Fig. 47: Floor Plan

## Block 08 - Ground Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK08 - GROUND FLOOR | | | | | | |
| 1972 | Living Room | 2.2 | 76 | N/A | 32 | 4 |
| 1973 | Kitchen | 3 | 99 | MET | | |
| 1974 | Bedroom | 1.4 | 36 | MET | | |
| 1975 | L/K/D | 3.1 | 99 | MET | 44 | 13 |
| 1976 | L/K/D | 3.1 | 99 | MET | 45 | 14 |
| 1977 | Bedroom | 1.5 | 69 | MET | | |
| 1978 | Kitchen | 2.8 | 99 | MET | | |
| 1979 | Living Room | 2.3 | 87 | N/A | | |
| 1980 | Living Room | 3 | 94 | N/A | 35 | 4 |
| 1981 | Kitchen | 2.4 | 98 | MET | | |
| 1982 | Bedroom | 2.6 | 98 | MET | | |
| 1983 | L/K/D | 2.7 | 99 | MET | 44 | 11 |
| 1984 | L/K/D | 2.9 | 98 | MET | 44 | 15 |
| 1985 | Bedroom | 2.8 | 99 | MET | | |
| 1986 | Bedroom | 1.2 | 84 | N/A | | |
| 1987 | Bedroom | 1.3 | 74 | MET | | |
| 1988 | L/K/D | 3.3 | 100 | N/A | 55 | 17 |

Table 46: Assessment Data



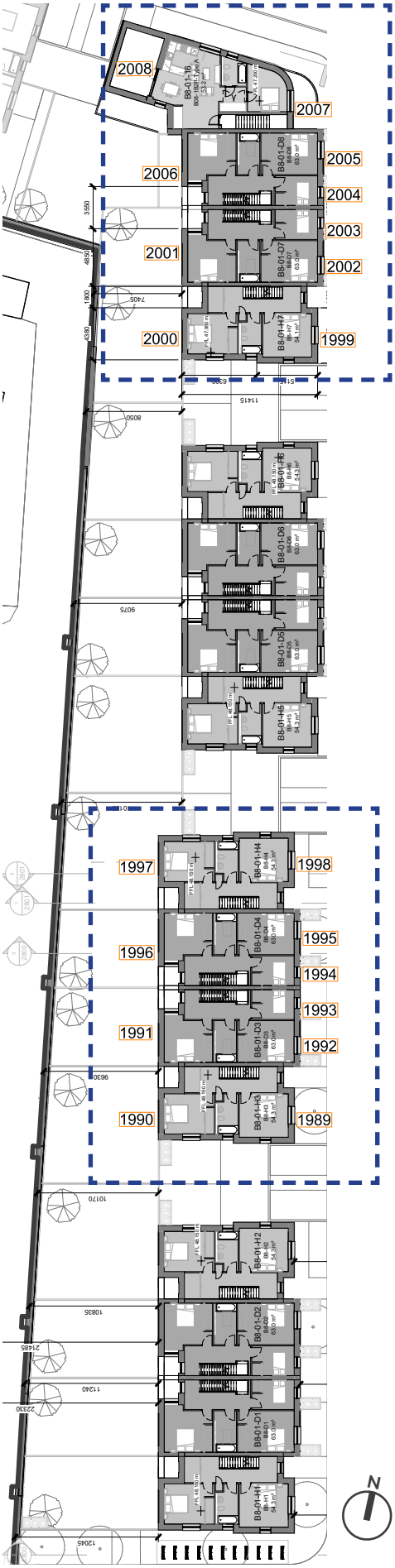

Assessed units

Fig. 48: Floor Plan

## Block 08 - First Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK08 - FIRST FLOOR | | | | | | |
| 1989 | Bedroom | 2.6 | 89 | N/A | | |
| 1990 | Bedroom | 2.5 | 97 | MET | | |
| 1991 | Bedroom | 1.2 | 83 | MET | | |
| 1992 | Bedroom | 1.7 | 48 | MET | | |
| 1993 | Bedroom | 1.3 | 52 | MET | | |
| 1994 | Bedroom | 1.3 | 50 | MET | | |
| 1995 | Bedroom | 1.8 | 78 | MET | | |
| 1996 | Bedroom | 1.2 | 83 | MET | | |
| 1997 | Bedroom | 2.4 | 96 | MET | | |
| 1998 | Bedroom | 2.7 | 92 | N/A | | |
| 1999 | Bedroom | 3.3 | 95 | N/A | | |
| 2000 | Bedroom | 2.3 | 97 | MET | | |
| 2001 | Bedroom | 1.1 | 83 | MET | | |
| 2002 | Bedroom | 2.7 | 97 | MET | | |
| 2003 | Bedroom | 2.1 | 96 | MET | | |
| 2004 | Bedroom | 2.2 | 95 | MET | | |
| 2005 | Bedroom | 2.8 | 98 | MET | | |
| 2006 | Bedroom | 1.2 | 83 | MET | | |
| 2007 | Bedroom | 3.6 | 92 | MET | | |
| 2008 | L/K/D | 4.4 | 100 | N/A | 59 | 21 |

Table 47: Assessment Data



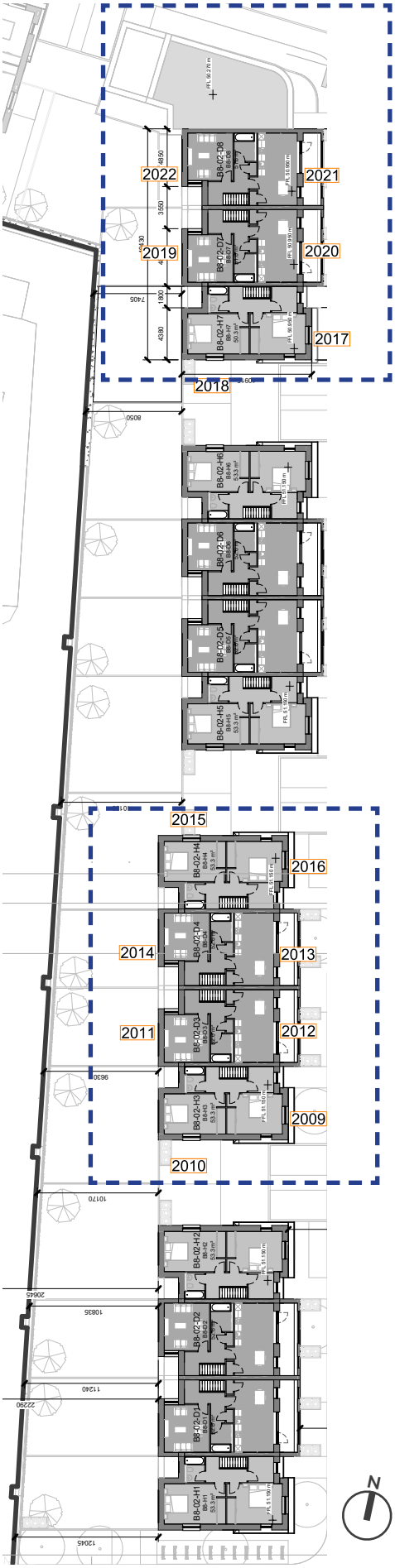

Assessed units

Fig. 49: Floor Plan

## Block 08 - Second Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK08 - SECOND FLOOR | | | | | | |
| 2009 | Bedroom | 3.8 | 92 | N/A | | |
| 2010 | Bedroom | 1.5 | 89 | MET | | |
| 2011 | Living Room | 1.3 | 90 | MET | | |
| 2012 | Kitchen | 2.3 | 64 | MET | | |
| 2013 | Kitchen | 2.3 | 81 | MET | | |
| 2014 | Living Room | 1.4 | 91 | MET | 39 | 15 |
| 2015 | Bedroom | 1.5 | 89 | MET | | |
| 2016 | Bedroom | 3.8 | 94 | N/A | | |
| 2017 | Bedroom | 4.4 | 99 | N/A | | |
| 2018 | Bedroom | 1.5 | 89 | MET | | |
| 2019 | Living Room | 1.4 | 100 | MET | | |
| 2020 | Kitchen | 2.9 | 99 | MET | | |
| 2021 | Kitchen | 2.9 | 99 | MET | | |
| 2022 | Living Room | 1.4 | 100 | MET | 39 | 15 |

Table 48: Assessment Data




Assessed units

Fig. 50: Floor Plan

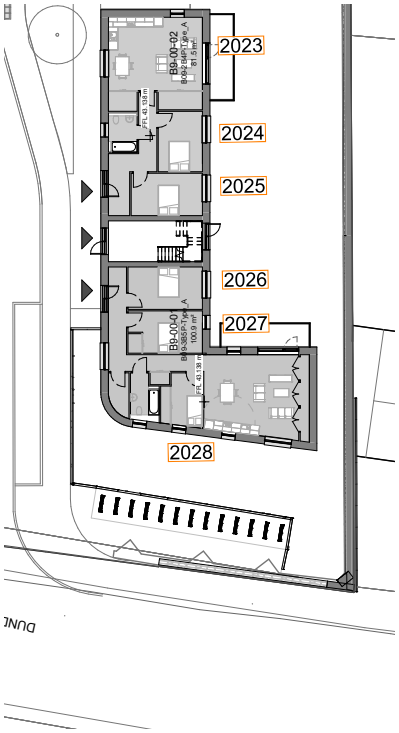
## Block 09 - Part 01/02 (West)

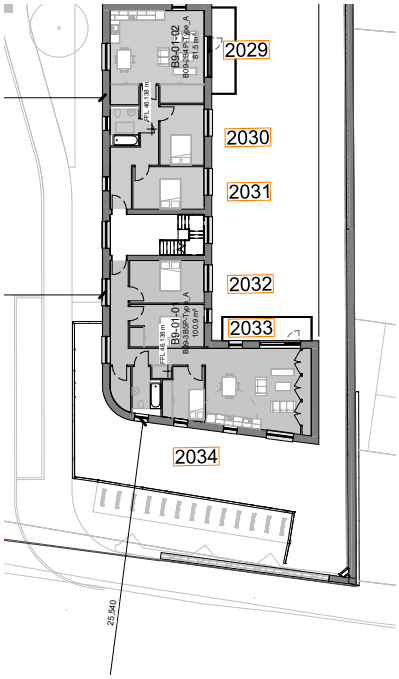
| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 09 - GROUND FLOOR | | | | | | |
| 2023 | L/K/D | 2.7 | 96 | N/A | 41 | 13 |
| 2024 | Bedroom | 2.6 | 91 | MET | | |
| 2025 | Bedroom | 2.3 | 100 | MET | | |
| 2026 | Bedroom | 2 | 100 | MET | | |
| 2027 | Bedroom | 0.7 | 90 | MET | | |
| 2028 | Bedroom | 1.7 | 97 | MET | | |

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 09 - FIRST FLOOR | | | | | | |
| 2029 | L/K/D | 4.1 | 100 | N/A | 84 | 22 |
| 2030 | Bedroom | 3.2 | 97 | MET | | |
| 2031 | Bedroom | 2.8 | 100 | MET | | |
| 2032 | Bedroom | 2.7 | 100 | MET | | |
| 2033 | Bedroom | 0.9 | 95 | MET | | |
| 2034 | Bedroom | 2 | 97 | MET | | |

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 09 - SECOND FLOOR | | | | | | |
| 2035 | Bedroom | 3.1 | 100 | MET | | |
| 2036 | Bedroom | 1.4 | 95 | MET | | |
| 2037 | Bedroom | 2 | 97 | MET | | |

Table 49: Assessment Data



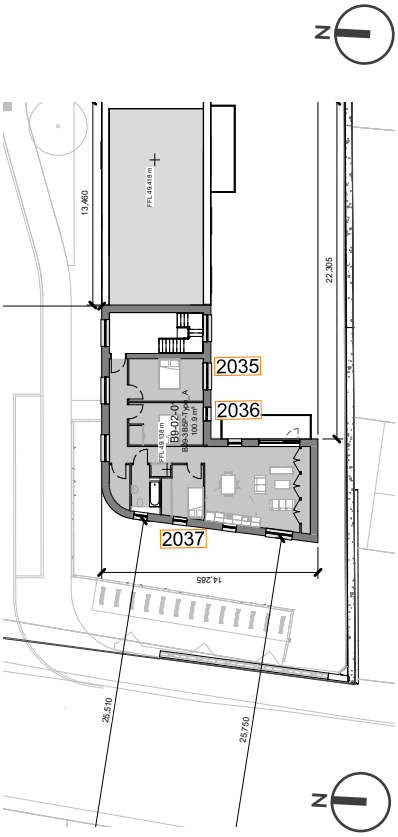




Fig. 51: Floor Plan

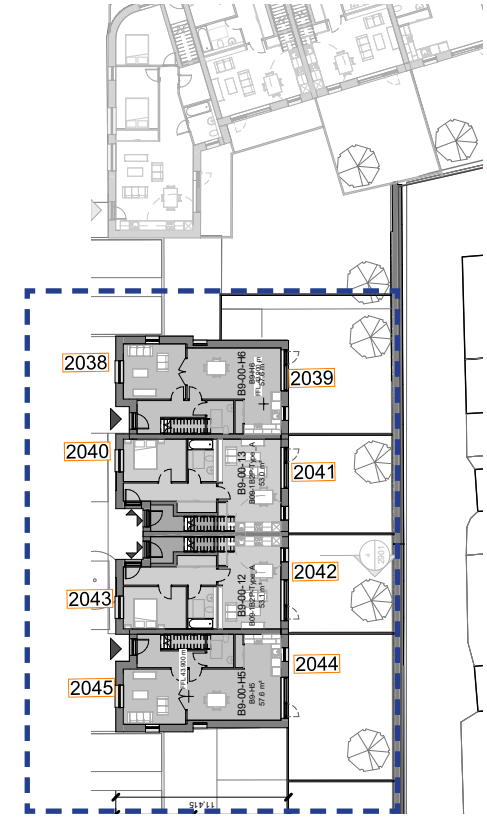
## Block 09 - Part 02/02 (East)

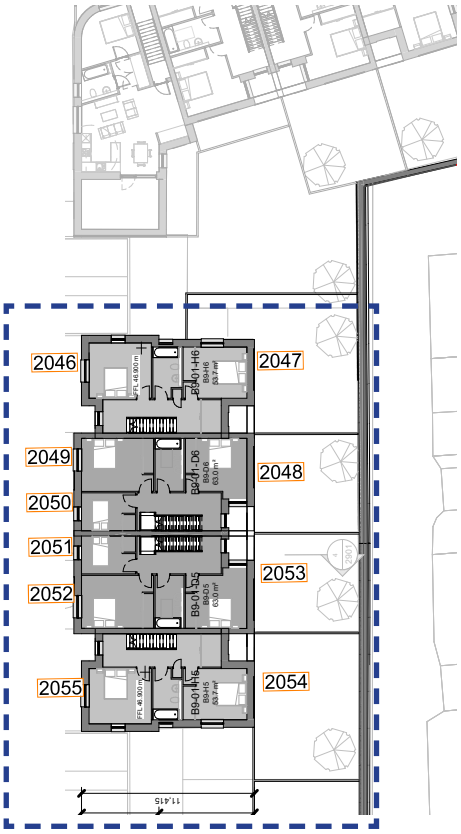
| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK08 - GROUND FLOOR | | | | | | |
| 2038 | Living Room | 2.6 | 89 | N/A | | |
| 2039 | Kitchen | 2.2 | 79 | MET | | |
| 2040 | Bedroom | 1.6 | 38 | MET | | |
| 2041 | L/K/D | 2.4 | 96 | MET | 67 | 12 |
| 2042 | L/K/D | 2.4 | 98 | MET | 69 | 13 |
| 2043 | Bedroom | 1.4 | 29 | MET | | |
| 2044 | Kitchen | 2.2 | 86 | MET | | |
| 2045 | Living Room | 2.2 | 81 | N/A | 10 | 1 |

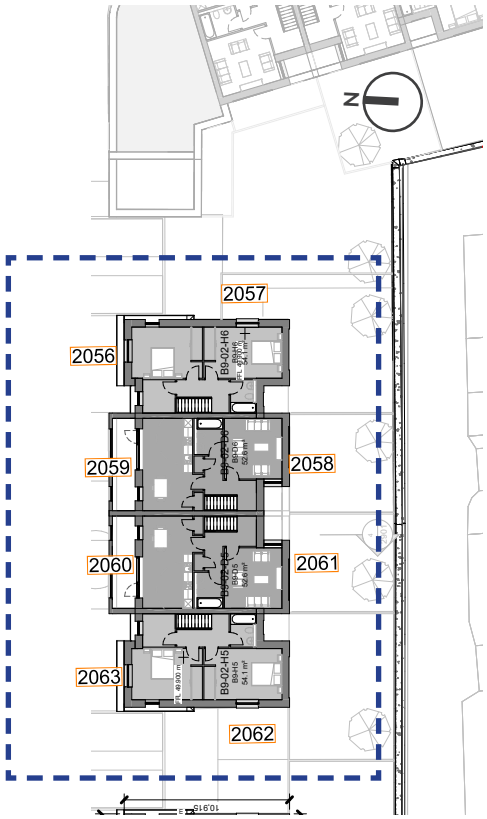
| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK08 - FIRST FLOOR | | | | | | |
| 2046 | Bedroom | 3 | 93 | N/A | | |
| 2047 | Bedroom | 2.2 | 97 | MET | | |
| 2048 | Bedroom | 1.1 | 82 | MET | | |
| 2049 | Bedroom | 1.8 | 57 | MET | | |
| 2050 | Bedroom | 1.4 | 45 | MET | | |
| 2051 | Bedroom | 1.3 | 46 | MET | | |
| 2052 | Bedroom | 1.8 | 43 | MET | | |
| 2053 | Bedroom | 1.2 | 83 | MET | | |
| 2054 | Bedroom | 2.1 | 97 | MET | | |
| 2055 | Bedroom | 2.6 | 91 | N/A | | |

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK08 - SECOND FLOOR | | | | | | |
| 2056 | Bedroom | 3.8 | 92 | N/A | | |
| 2057 | Bedroom | 1.4 | 89 | MET | | |
| 2058 | Living Room | 1.3 | 91 | MET | 30 | 10 |
| 2059 | Kitchen | 2.2 | 92 | MET | | |
| 2060 | Kitchen | 2.1 | 90 | MET | | |
| 2061 | Living Room | 1.3 | 89 | MET | | |
| 2062 | Bedroom | 1.4 | 91 | MET | | |
| 2063 | Bedroom | 3.5 | 93 | N/A | | |

Table 50: Assessment Data




Assessed units

Fig. 52: Floor Plan

## Block 10 - Lower Ground Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 10 - LOWER GROUND FLOOR | | | | | | |
| 2064 | Bedroom | 3.5 | 99 | MET | | |
| 2065 | Bedroom | 3.7 | 100 | MET | | |
| 2066 | Bedroom | 3.4 | 99 | MET | | |
| 2067 | L/K/D | 3.8 | 100 | N/A | | |
| 2068 | L/K/D | 2.1 | 75 | N/A | 16 | 2 |
| 2069 | Bedroom | 3.5 | 99 | MET | | |
| 2070 | Bedroom | 3.2 | 99 | MET | | |
| 2071 | L/K/D | 4.3 | 99 | N/A | | |
| 2072 | Bedroom | 2 | 64 | MET | | |
| 2073 | Bedroom | 2 | 63 | MET | | |
| 2074 | Bedroom | 2 | 62 | MET | | |

Table 51: Assessment Data

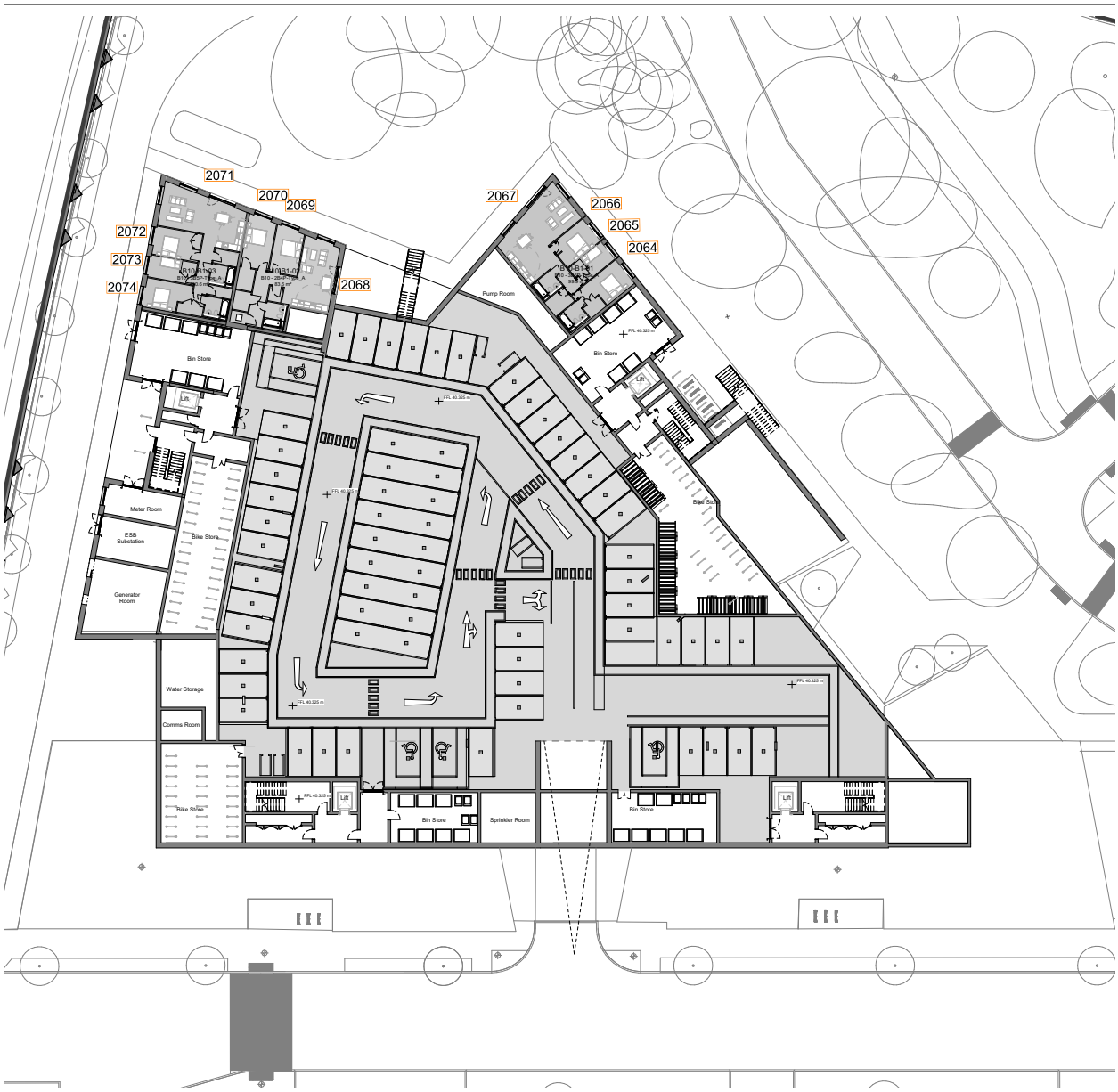



Fig. 53: Floor Plan

## Block 10 - Ground Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 10 - GROUND FLOOR | | | | | | |
| 2075 | Bedroom | 2.4 | 98 | MET | | |
| 2076 | L/K/D | 4 | 100 | N/A | 24 | 3 |
| 2077 | Bedroom | 3.9 | 99 | MET | | |
| 2078 | Bedroom | 4 | 100 | MET | | |
| 2079 | L/K/D | 4.7 | 100 | N/A | | |
| 2080 | Bedroom | 3.5 | 100 | MET | | |
| 2081 | Bedroom | 4 | 100 | N/A | | |
| 2082 | L/K/D | 2.7 | 94 | N/A | 38 | 10 |
| 2083 | Bedroom | 2.4 | 96 | MET | | |
| 2084 | L/K/D | 2.2 | 98 | MET | 30 | 12 |
| 2085 | L/K/D | 1.9 | 98 | MET | 24 | 7 |
| 2086 | Bedroom | 2.6 | 99 | MET | | |
| 2087 | L/K/D | 2.3 | 90 | MET | 29 | 8 |
| 2088 | Bedroom | 2.5 | 94 | MET | | |
| 2089 | L/K/D | 3.7 | 99 | N/A | 62 | 8 |
| 2090 | Bedroom | 2.2 | 59 | MET | | |
| 2091 | Bedroom | 2.4 | 71 | MET | | |
| 2092 | Bedroom | 2 | 59 | MET | | |
| 2093 | L/K/D | 3 | 99 | N/A | | |
| 2094 | Bedroom | 1.8 | 66 | MET | | |
| 2095 | L/K/D | 3.2 | 98 | N/A | | |
| 2096 | Bedroom | 1.7 | 70 | MET | | |
| 2097 | Bedroom | 2 | 73 | MET | | |
| 2098 | L/K/D | 3.3 | 100 | N/A | 73 | 23 |
| 2099 | Bedroom | 2.7 | 98 | MET | | |
| 2100 | L/K/D | 2.6 | 100 | N/A | 71 | 22 |
| 2101 | Bedroom | 2 | 98 | MET | | |
| 2102 | Bedroom | 2 | 98 | MET | | |
| 2103 | L/K/D | 2.6 | 100 | N/A | 71 | 22 |
| 2104 | Bedroom | 3.4 | 99 | MET | | |
| 2105 | Bedroom | 3.5 | 99 | MET | | |
| 2106 | Bedroom | 5.1 | 100 | N/A | | |
| 2107 | L/K/D | 2.3 | 99 | N/A | 34 | 12 |
| 2108 | L/K/D | 3.2 | 99 | N/A | | |
| 2109 | Bedroom | 3.3 | 99 | N/A | | |
| 2110 | Bedroom | 2.3 | 76 | MET | | |
| 2111 | Bedroom | 1.7 | 58 | MET | | |
| 2112 | L/K/D | 1.8 | 66 | N/A | | |
| 2113 | Bedroom | 1 | 48 | MET | | |
| 2114 | Bedroom | 2.9 | 99 | MET | | |
| 2115 | Bedroom | 2.8 | 98 | MET | | |
| 2116 | L/K/D | 3.1 | 99 | N/A | 27 | 10 |
| 2117 | Bedroom | 2.5 | 74 | MET | | |
| 2118 | L/K/D | 1.1 | 56 | MET | 19 | 5 |
| 2119 | L/K/D | 1.9 | 82 | MET | 23 | 7 |
| 2120 | Bedroom | 2.3 | 86 | MET | | |
| 2121 | L/K/D | 1.9 | 92 | MET | 20 | 2 |
| 2122 | Bedroom | 2.4 | 93 | MET | | |
| 2123 | Bedroom | 4 | 92 | N/A | | |
| 2124 | Bedroom | 2.7 | 45 | MET | | |
| 2125 | Bedroom | 1.6 | 40 | MET | | |
| 2126 | L/K/D | 2.8 | 99 | N/A | 57 | 8 |
| 2127 | L/K/D | 2.2 | 99 | MET | | |
| 2128 | Bedroom | 1.9 | 99 | MET | | |
| 2129 | Bedroom | 1.9 | 98 | MET | | |
| 2130 | L/K/D | 2.5 | 99 | N/A | 33 | 8 |
| 2131 | Bedroom | 3.4 | 100 | MET | | |
| 2132 | Bedroom | 3.3 | 100 | MET | | |
| 2133 | L/K/D | 4.4 | 100 | N/A | | |
| 2134 | Bedroom | 3.4 | 99 | MET | | |
| 2135 | Bedroom | 4.4 | 99 | MET | | |

Table 52: Assessment Data


Fig. 54: Floor Plan

## Block 10 - First Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 10 - FIRST FLOOR | | | | | | |
| 2136 | Bedroom | 2.2 | 98 | MET | | |
| 2137 | L/K/D | 4.1 | 100 | MET | 25 | 4 |
| 2138 | Bedroom | 4.1 | 99 | MET | | |
| 2139 | Bedroom | 4.2 | 100 | MET | | |
| 2140 | L/K/D | 4.8 | 100 | N/A | | |
| 2141 | Bedroom | 3.8 | 100 | MET | | |
| 2142 | Bedroom | 4.3 | 100 | N/A | | |
| 2143 | L/K/D | 3.1 | 100 | N/A | 47 | 15 |
| 2144 | Bedroom | 2.8 | 98 | MET | | |
| 2145 | L/K/D | 2.2 | 100 | MET | 26 | 13 |
| 2146 | Bedroom | 3.2 | 99 | MET | | |
| 2147 | L/K/D | 1.7 | 95 | MET | 25 | 11 |
| 2148 | Bedroom | 3 | 99 | MET | | |
| 2149 | L/K/D | 2.2 | 92 | MET | 31 | 12 |
| 2150 | Bedroom | 2.9 | 98 | MET | | |
| 2151 | Bedroom | 2.1 | 99 | MET | | |
| 2152 | L/K/D | 2.8 | 99 | N/A | | |
| 2153 | L/K/D | 4.2 | 99 | N/A | 52 | 4 |
| 2154 | Bedroom | 2.8 | 63 | MET | | |
| 2155 | Bedroom | 3.1 | 77 | MET | | |
| 2156 | Bedroom | 5.4 | 99 | N/A | | |
| 2157 | L/K/D | 3.4 | 99 | N/A | | |
| 2158 | Bedroom | 2.4 | 63 | MET | | |
| 2159 | Bedroom | 2.7 | 72 | MET | | |
| 2160 | Bedroom | 2.7 | 100 | MET | | |
| 2161 | L/K/D | 3 | 99 | N/A | 5 | 0 |
| 2162 | Bedroom | 3.8 | 99 | MET | | |
| 2163 | Bedroom | 4.4 | 99 | MET | | |
| 2164 | Bedroom | 5.1 | 100 | N/A | | |
| 2165 | L/K/D | 4.6 | 100 | N/A | | |
| 2166 | L/K/D | 3.5 | 100 | N/A | 44 | 14 |
| 2167 | Bedroom | 4.6 | 100 | N/A | | |
| 2168 | Bedroom | 3.2 | 98 | MET | | |
| 2169 | Bedroom | 3.2 | 98 | MET | | |
| 2170 | L/K/D | 2.5 | 99 | N/A | 74 | 25 |
| 2171 | Bedroom | 2.6 | 100 | MET | | |
| 2172 | Studio | 2.3 | 94 | MET | 30 | 24 |
| 2173 | Bedroom | 2.7 | 100 | MET | | |
| 2174 | L/K/D | 2.9 | 99 | N/A | 76 | 26 |
| 2175 | Bedroom | 3.4 | 100 | MET | | |
| 2176 | L/K/D | 4.2 | 100 | N/A | 84 | 29 |
| 2177 | Bedroom | 2.5 | 72 | MET | | |
| 2178 | Bedroom | 2.1 | 67 | MET | | |
| 2179 | L/K/D | 3.3 | 92 | N/A | | |
| 2180 | Bedroom | 2.1 | 72 | MET | | |
| 2181 | Bedroom | 2.4 | 74 | MET | | |

Table 53: Assessment Data

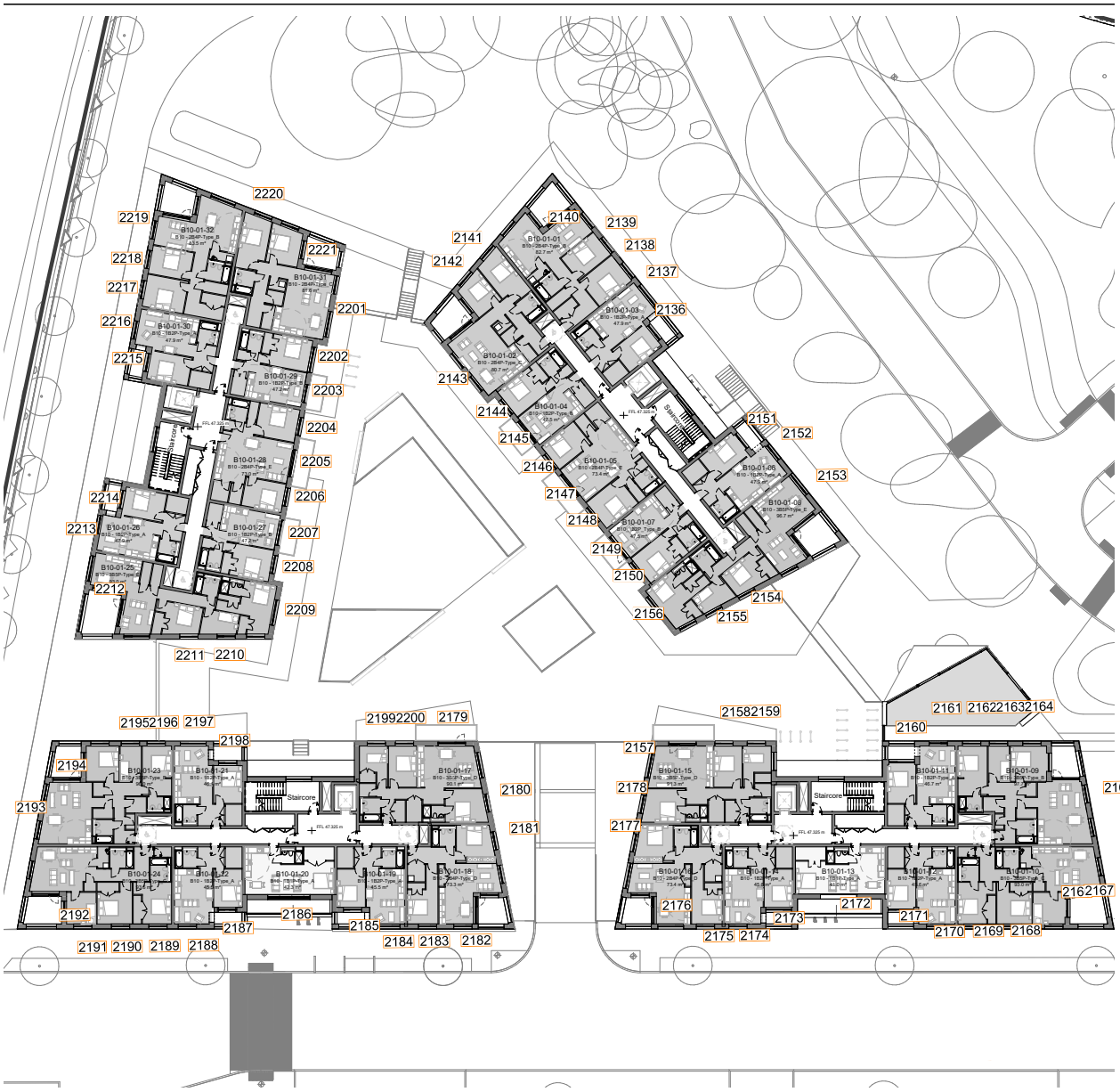



Fig. 55: Floor Plan

## Block 10 - First Floor - Continued

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 10 - FIRST FLOOR - Continued | | | | | | |
| 2182 | L/K/D | 3.3 | 99 | N/A | 78 | 28 |
| 2183 | Bedroom | 3 | 99 | MET | | |
| 2184 | L/K/D | 3.7 | 100 | N/A | 83 | 28 |
| 2185 | Bedroom | 2.1 | 99 | MET | | |
| 2186 | Studio | 2.4 | 95 | MET | 32 | 26 |
| 2187 | Bedroom | 2.3 | 99 | MET | | |
| 2188 | L/K/D | 3.1 | 99 | N/A | 77 | 28 |
| 2189 | Bedroom | 3.9 | 99 | MET | | |
| 2190 | Bedroom | 3.9 | 99 | MET | | |
| 2191 | Bedroom | 5.7 | 100 | N/A | | |
| 2192 | L/K/D | 2.8 | 100 | N/A | 45 | 18 |
| 2193 | L/K/D | 4 | 99 | N/A | | |
| 2194 | Bedroom | 3.9 | 99 | N/A | | |
| 2195 | Bedroom | 3.1 | 83 | MET | | |
| 2196 | Bedroom | 2.4 | 64 | MET | | |
| 2197 | L/K/D | 2.4 | 76 | N/A | | |
| 2198 | Bedroom | 1 | 45 | MET | | |
| 2199 | Bedroom | 3.3 | 99 | MET | | |
| 2200 | Bedroom | 3.3 | 99 | MET | | |
| 2201 | L/K/D | 3.5 | 99 | N/A | 30 | 11 |
| 2202 | Bedroom | 2.9 | 79 | MET | | |
| 2203 | L/K/D | 1.2 | 55 | MET | 16 | 7 |
| 2204 | Bedroom | 2.3 | 80 | MET | | |
| 2205 | L/K/D | 1.4 | 69 | MET | 20 | 9 |
| 2206 | Bedroom | 2.9 | 93 | MET | | |
| 2207 | L/K/D | 1.9 | 92 | MET | 18 | 4 |
| 2208 | Bedroom | 2.7 | 98 | MET | | |
| 2209 | Bedroom | 4.7 | 97 | N/A | | |
| 2210 | Bedroom | 2.7 | 69 | MET | | |
| 2211 | Bedroom | 2.1 | 53 | MET | | |
| 2212 | L/K/D | 4.3 | 100 | N/A | 67 | 10 |
| 2213 | L/K/D | 2.5 | 98 | N/A | | |
| 2214 | Bedroom | 2 | 99 | MET | | |
| 2215 | Bedroom | 1.8 | 98 | MET | | |
| 2216 | L/K/D | 2.7 | 99 | N/A | 37 | 10 |
| 2217 | Bedroom | 3.7 | 100 | MET | | |
| 2218 | Bedroom | 3.9 | 100 | MET | | |
| 2219 | L/K/D | 4.8 | 100 | N/A | | |
| 2220 | Bedroom | 4.1 | 99 | MET | | |
| 2221 | Bedroom | 5.1 | 99 | N/A | | |

Table 54: Assessment Data

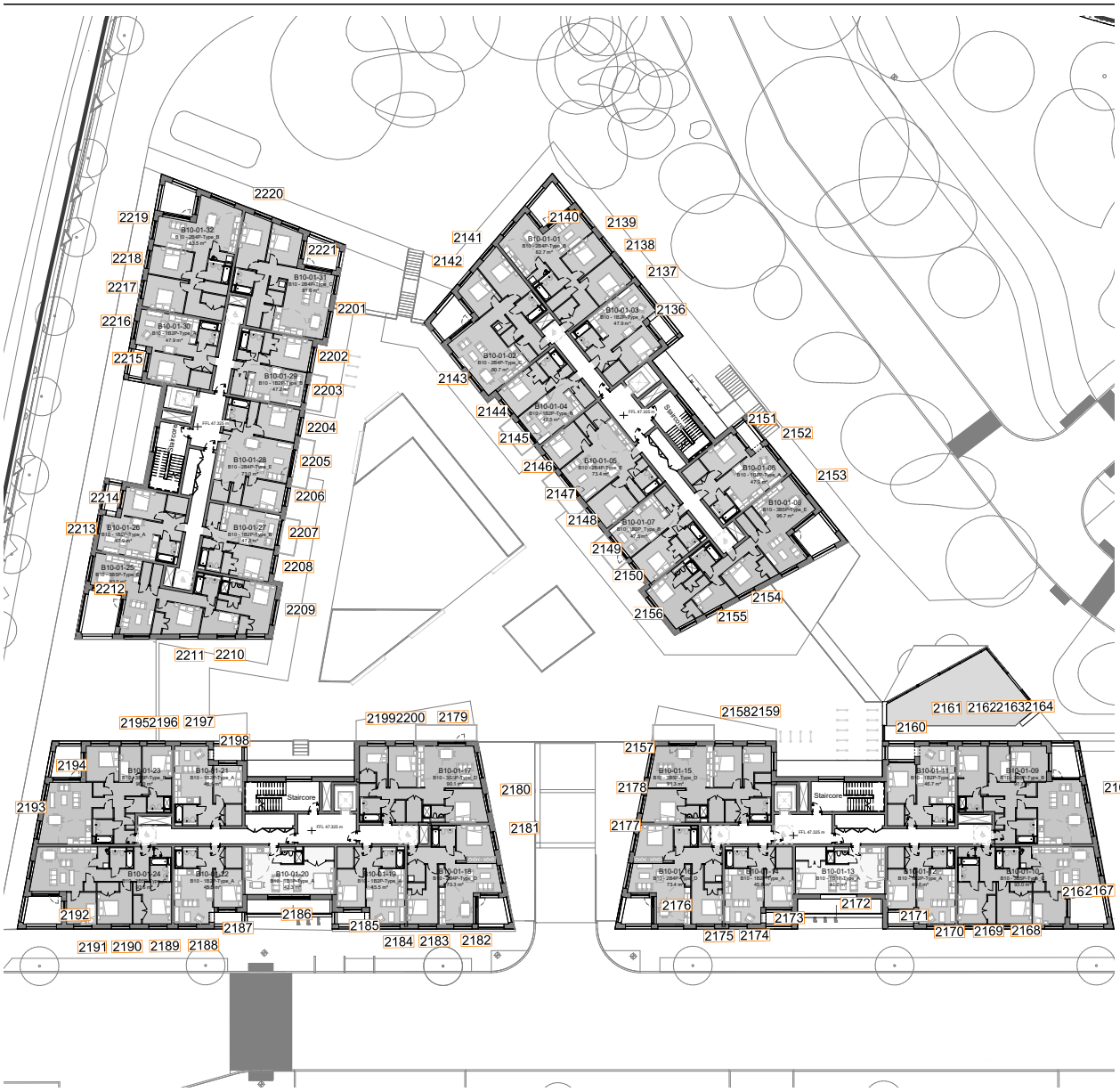



Fig. 56: Floor Plan

## Block 10 - Second Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 10 - SECOND FLOOR | | | | | | |
| 2222 | Bedroom | 2.2 | 98 | MET | | |
| 2223 | L/K/D | 4.1 | 100 | MET | 25 | 4 |
| 2224 | Bedroom | 4.1 | 99 | MET | | |
| 2225 | Bedroom | 4.3 | 100 | MET | | |
| 2226 | L/K/D | 4.8 | 100 | N/A | | |
| 2227 | Bedroom | 4 | 100 | MET | | |
| 2228 | Bedroom | 4.7 | 100 | N/A | | |
| 2229 | L/K/D | 3.5 | 100 | N/A | 54 | 18 |
| 2230 | Bedroom | 3.1 | 98 | MET | | |
| 2231 | L/K/D | 2.5 | 100 | MET | 31 | 15 |
| 2232 | Bedroom | 3.5 | 99 | MET | | |
| 2233 | L/K/D | 1.9 | 99 | MET | 30 | 13 |
| 2234 | Bedroom | 3.2 | 99 | MET | | |
| 2235 | L/K/D | 2.4 | 100 | MET | 37 | 16 |
| 2236 | Bedroom | 3.1 | 99 | MET | | |
| 2237 | Bedroom | 2.1 | 99 | MET | | |
| 2238 | L/K/D | 2.8 | 99 | N/A | | |
| 2239 | L/K/D | 4.3 | 99 | N/A | 61 | 11 |
| 2240 | Bedroom | 3.1 | 81 | MET | | |
| 2241 | Bedroom | 3.5 | 85 | MET | | |
| 2242 | Bedroom | 6 | 100 | N/A | | |
| 2243 | L/K/D | 3.8 | 99 | N/A | | |
| 2244 | Bedroom | 2.7 | 67 | MET | | |
| 2245 | Bedroom | 2.9 | 74 | MET | | |
| 2246 | Bedroom | 2.9 | 100 | MET | | |
| 2247 | L/K/D | 3.2 | 99 | N/A | 5 | 0 |
| 2248 | Bedroom | 4 | 99 | MET | | |
| 2249 | Bedroom | 4.5 | 99 | MET | | |
| 2250 | Bedroom | 5.3 | 100 | N/A | | |
| 2251 | L/K/D | 4.7 | 100 | N/A | | |
| 2252 | L/K/D | 3.6 | 100 | N/A | 44 | 14 |
| 2253 | Bedroom | 4.9 | 100 | N/A | | |
| 2254 | Bedroom | 3.4 | 98 | MET | | |
| 2255 | Bedroom | 3.4 | 98 | MET | | |
| 2256 | L/K/D | 2.7 | 99 | N/A | 78 | 29 |
| 2257 | Bedroom | 2.8 | 100 | MET | | |
| 2258 | Studio | 2.4 | 94 | MET | 33 | 27 |
| 2259 | Bedroom | 2.9 | 100 | MET | | |
| 2260 | L/K/D | 3.1 | 99 | N/A | 80 | 30 |
| 2261 | Bedroom | 3.6 | 100 | MET | | |
| 2262 | L/K/D | 4.7 | 100 | N/A | 85 | 30 |
| 2263 | Bedroom | 2.9 | 82 | MET | | |
| 2264 | Bedroom | 2.5 | 77 | MET | | |
| 2265 | L/K/D | 3.7 | 93 | N/A | | |
| 2266 | Bedroom | 2.4 | 78 | MET | | |
| 2267 | Bedroom | 2.8 | 81 | MET | | |

Table 55: Assessment Data

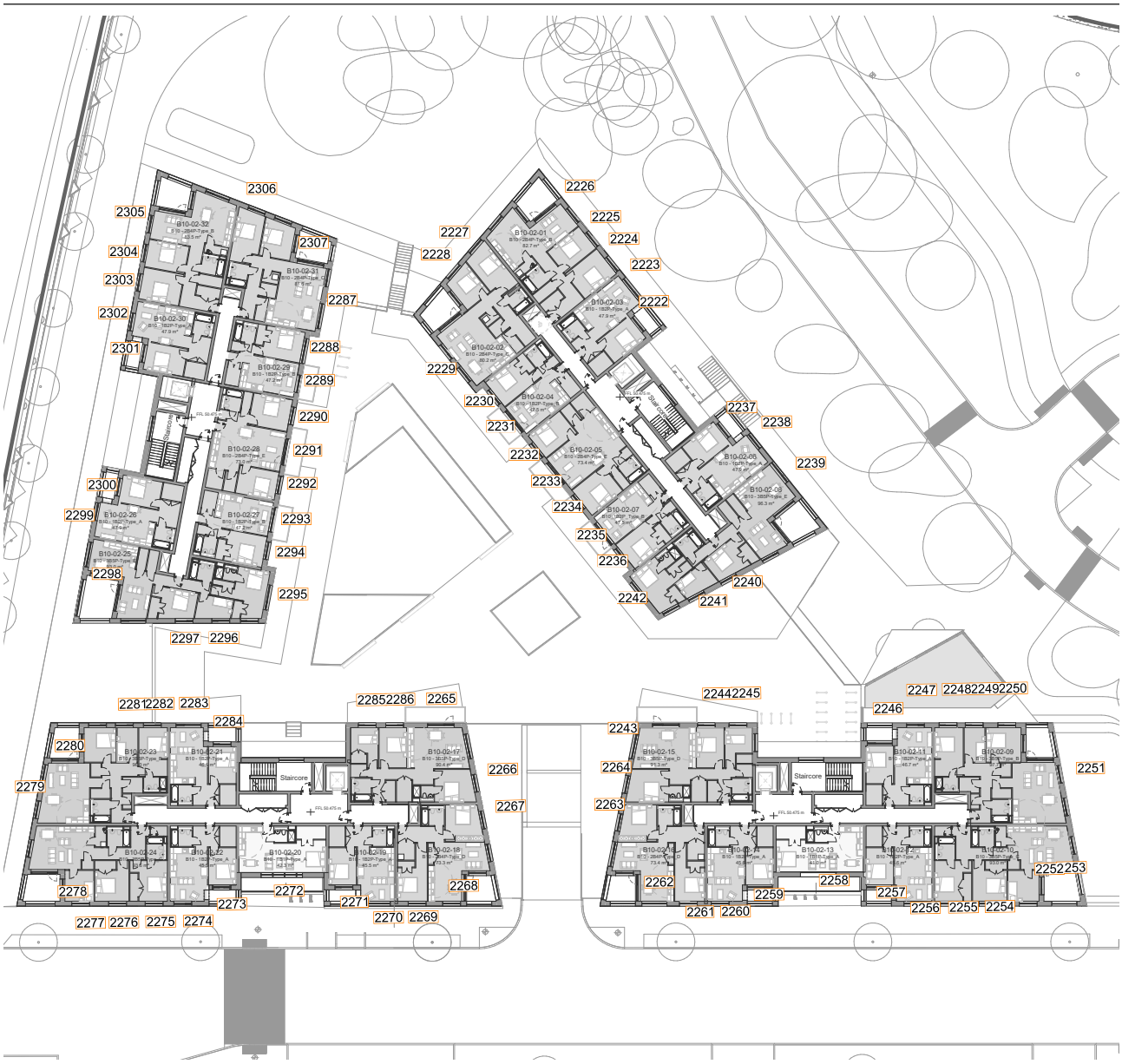



Fig. 57: Floor Plan

## Block 10 - Second Floor - Continued

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 10 - SECOND FLOOR - Continued | | | | | | |
| 2268 | L/K/D | 3.7 | 99 | N/A | 80 | 30 |
| 2269 | Bedroom | 3.1 | 99 | MET | | |
| 2270 | L/K/D | 3.9 | 100 | N/A | 85 | 30 |
| 2271 | Bedroom | 2.2 | 99 | MET | | |
| 2272 | Studio | 2.5 | 95 | MET | 33 | 27 |
| 2273 | Bedroom | 2.5 | 99 | MET | | |
| 2274 | L/K/D | 3.2 | 99 | N/A | 79 | 30 |
| 2275 | Bedroom | 4 | 99 | MET | | |
| 2276 | Bedroom | 4 | 99 | MET | | |
| 2277 | Bedroom | 5.9 | 100 | N/A | | |
| 2278 | L/K/D | 2.9 | 100 | N/A | 45 | 18 |
| 2279 | L/K/D | 4.2 | 99 | N/A | | |
| 2280 | Bedroom | 4.5 | 100 | N/A | | |
| 2281 | Bedroom | 3.8 | 97 | MET | | |
| 2282 | Bedroom | 3 | 86 | MET | | |
| 2283 | L/K/D | 3 | 83 | N/A | | |
| 2284 | Bedroom | 1.4 | 74 | MET | | |
| 2285 | Bedroom | 3.6 | 99 | MET | | |
| 2286 | Bedroom | 3.6 | 99 | MET | | |
| 2287 | L/K/D | 3.8 | 99 | N/A | 34 | 12 |
| 2288 | Bedroom | 3.4 | 89 | MET | | |
| 2289 | L/K/D | 1.4 | 65 | MET | 20 | 10 |
| 2290 | Bedroom | 2.6 | 91 | MET | | |
| 2291 | L/K/D | 1.6 | 76 | MET | 24 | 10 |
| 2292 | Bedroom | 3.2 | 100 | MET | | |
| 2293 | L/K/D | 2.1 | 98 | MET | 23 | 8 |
| 2294 | Bedroom | 3 | 99 | MET | | |
| 2295 | Bedroom | 5.4 | 99 | N/A | | |
| 2296 | Bedroom | 3.3 | 97 | MET | | |
| 2297 | Bedroom | 2.7 | 78 | MET | | |
| 2298 | L/K/D | 4.7 | 100 | N/A | 75 | 12 |
| 2299 | L/K/D | 2.6 | 98 | N/A | | |
| 2300 | Bedroom | 2.1 | 99 | MET | | |
| 2301 | Bedroom | 2 | 98 | MET | | |
| 2302 | L/K/D | 2.8 | 99 | N/A | 37 | 10 |
| 2303 | Bedroom | 3.7 | 100 | MET | | |
| 2304 | Bedroom | 4.1 | 100 | MET | | |
| 2305 | L/K/D | 5 | 100 | N/A | | |
| 2306 | Bedroom | 4.2 | 99 | MET | | |
| 2307 | Bedroom | 5.2 | 99 | N/A | | |

Table 56: Assessment Data

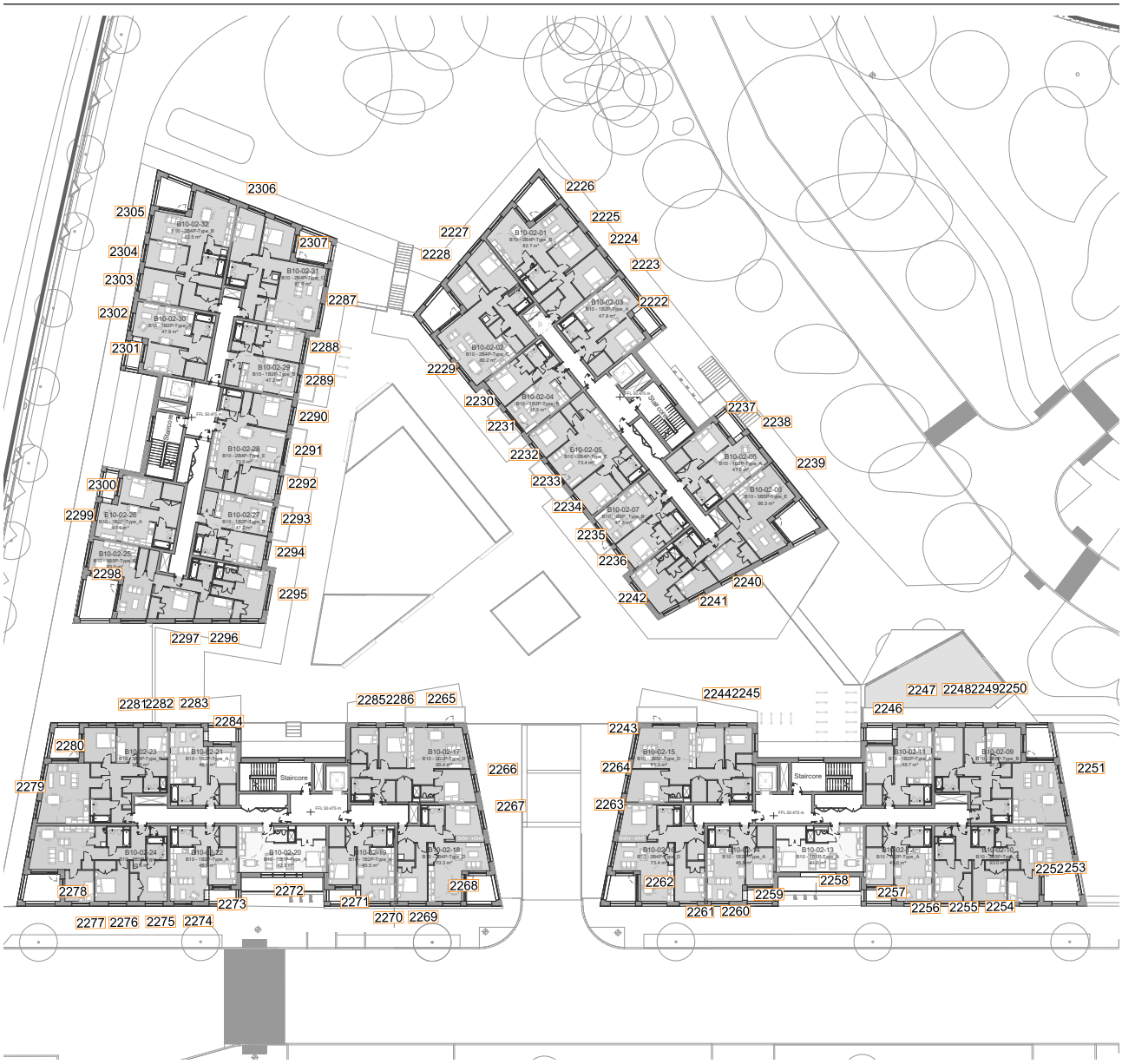



Fig. 58: Floor Plan

## Block 10 - Third Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 10 - THIRD FLOOR | | | | | | |
| 2308 | Bedroom | 2.2 | 98 | MET | | |
| 2309 | L/K/D | 4.1 | 100 | MET | 25 | 4 |
| 2310 | Bedroom | 4.1 | 99 | MET | | |
| 2311 | Bedroom | 4.3 | 100 | MET | | |
| 2312 | L/K/D | 4.8 | 100 | N/A | | |
| 2313 | Bedroom | 4.1 | 100 | MET | | |
| 2314 | Bedroom | 5.1 | 100 | N/A | | |
| 2315 | L/K/D | 3.9 | 100 | N/A | 59 | 20 |
| 2316 | Bedroom | 3.3 | 98 | MET | | |
| 2317 | L/K/D | 2.7 | 100 | MET | 39 | 19 |
| 2318 | Bedroom | 3.7 | 99 | MET | | |
| 2319 | L/K/D | 2 | 99 | MET | 36 | 17 |
| 2320 | Bedroom | 3.4 | 99 | MET | | |
| 2321 | L/K/D | 2.7 | 100 | MET | 41 | 18 |
| 2322 | Bedroom | 3.3 | 99 | MET | | |
| 2323 | Bedroom | 2.1 | 99 | MET | | |
| 2324 | L/K/D | 2.8 | 99 | N/A | | |
| 2325 | L/K/D | 4.5 | 100 | N/A | 66 | 16 |
| 2326 | Bedroom | 3.6 | 95 | MET | | |
| 2327 | Bedroom | 4.1 | 95 | MET | | |
| 2328 | Bedroom | 6.5 | 100 | N/A | | |
| 2329 | L/K/D | 4.2 | 99 | N/A | | |
| 2330 | Bedroom | 3.1 | 78 | MET | | |
| 2331 | Bedroom | 3.3 | 82 | MET | | |
| 2332 | Bedroom | 3 | 100 | MET | | |
| 2333 | L/K/D | 3.3 | 100 | N/A | 5 | 0 |
| 2334 | Bedroom | 4.1 | 99 | MET | | |
| 2335 | Bedroom | 4.5 | 99 | MET | | |
| 2336 | Bedroom | 5.2 | 100 | N/A | | |
| 2337 | L/K/D | 4.7 | 100 | N/A | | |
| 2338 | L/K/D | 3.6 | 100 | N/A | 44 | 14 |
| 2339 | Bedroom | 5 | 100 | N/A | | |
| 2340 | Bedroom | 3.5 | 98 | MET | | |
| 2341 | Bedroom | 3.5 | 98 | MET | | |
| 2342 | L/K/D | 2.8 | 99 | N/A | 79 | 30 |
| 2343 | Bedroom | 3 | 100 | MET | | |
| 2344 | Studio | 2.6 | 94 | MET | 33 | 27 |
| 2345 | Bedroom | 3 | 100 | MET | | |
| 2346 | L/K/D | 3.2 | 99 | N/A | 80 | 30 |
| 2347 | Bedroom | 3.8 | 100 | MET | | |
| 2348 | L/K/D | 5.1 | 100 | N/A | 87 | 30 |
| 2349 | Bedroom | 3.4 | 99 | MET | | |
| 2350 | Bedroom | 2.8 | 99 | MET | | |
| 2351 | L/K/D | 4.1 | 98 | N/A | | |
| 2352 | Bedroom | 2.8 | 92 | MET | | |

Table 57: Assessment Data

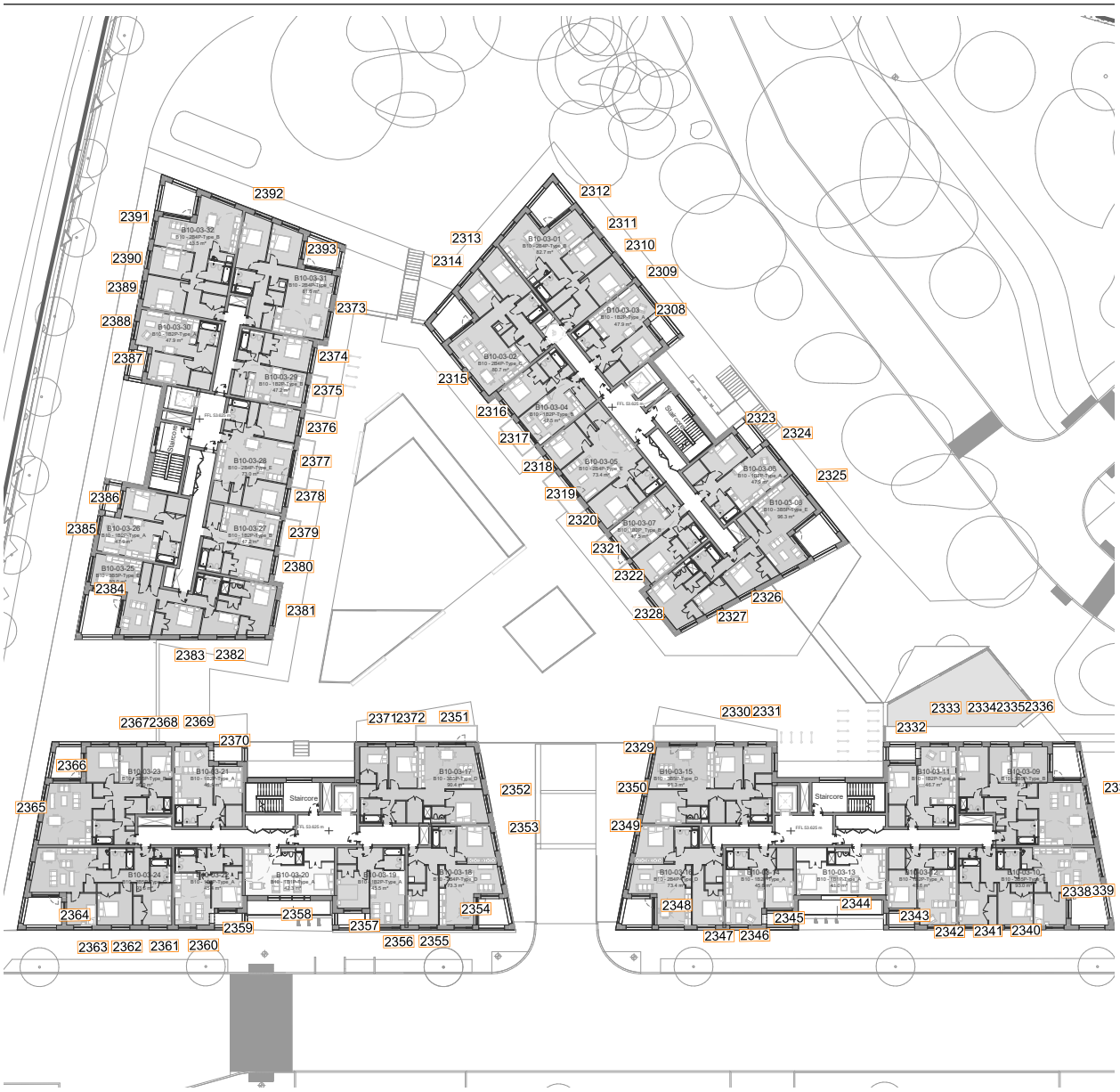



Fig. 59: Floor Plan

## Block 10 - Third Floor - Continued

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 10 - THIRD FLOOR - Continued | | | | | | |
| 2353 | Bedroom | 3.3 | 97 | MET | | |
| 2354 | L/K/D | 3.9 | 99 | N/A | 82 | 30 |
| 2355 | Bedroom | 3.2 | 99 | MET | | |
| 2356 | L/K/D | 4 | 100 | N/A | 85 | 30 |
| 2357 | Bedroom | 2.2 | 99 | MET | | |
| 2358 | Studio | 2.6 | 95 | MET | 33 | 27 |
| 2359 | Bedroom | 2.8 | 100 | MET | | |
| 2360 | L/K/D | 3.4 | 100 | N/A | 79 | 30 |
| 2361 | Bedroom | 4.1 | 99 | MET | | |
| 2362 | Bedroom | 4 | 99 | MET | | |
| 2363 | Bedroom | 7.6 | 100 | N/A | | |
| 2364 | L/K/D | 3.8 | 100 | N/A | 67 | 18 |
| 2365 | L/K/D | 5.1 | 100 | N/A | | |
| 2366 | Bedroom | 6.4 | 100 | N/A | | |
| 2367 | Bedroom | 4.7 | 100 | MET | | |
| 2368 | Bedroom | 3.7 | 99 | MET | | |
| 2369 | L/K/D | 4 | 100 | N/A | | |
| 2370 | Bedroom | 2.3 | 98 | MET | | |
| 2371 | Bedroom | 3.9 | 99 | MET | | |
| 2372 | Bedroom | 3.9 | 99 | MET | | |
| 2373 | L/K/D | 4.8 | 99 | N/A | 37 | 12 |
| 2374 | Bedroom | 4.2 | 100 | MET | | |
| 2375 | L/K/D | 2.4 | 91 | MET | 38 | 11 |
| 2376 | Bedroom | 3.1 | 98 | MET | | |
| 2377 | L/K/D | 2.6 | 94 | MET | 43 | 14 |
| 2378 | Bedroom | 3.6 | 100 | MET | | |
| 2379 | L/K/D | 3.5 | 100 | MET | 44 | 13 |
| 2380 | Bedroom | 3.4 | 99 | MET | | |
| 2381 | Bedroom | 6.1 | 99 | N/A | | |
| 2382 | Bedroom | 4.2 | 97 | MET | | |
| 2383 | Bedroom | 3.4 | 98 | MET | | |
| 2384 | L/K/D | 6.7 | 100 | N/A | 84 | 21 |
| 2385 | L/K/D | 2.9 | 100 | N/A | | |
| 2386 | Bedroom | 2.4 | 100 | MET | | |
| 2387 | Bedroom | 2.3 | 99 | MET | | |
| 2388 | L/K/D | 3 | 100 | N/A | 46 | 12 |
| 2389 | Bedroom | 3.8 | 100 | MET | | |
| 2390 | Bedroom | 4.2 | 100 | MET | | |
| 2391 | L/K/D | 5.9 | 100 | N/A | | |
| 2392 | Bedroom | 4.2 | 99 | MET | | |
| 2393 | Bedroom | 6.2 | 100 | N/A | | |

Table 58: Assessment Data

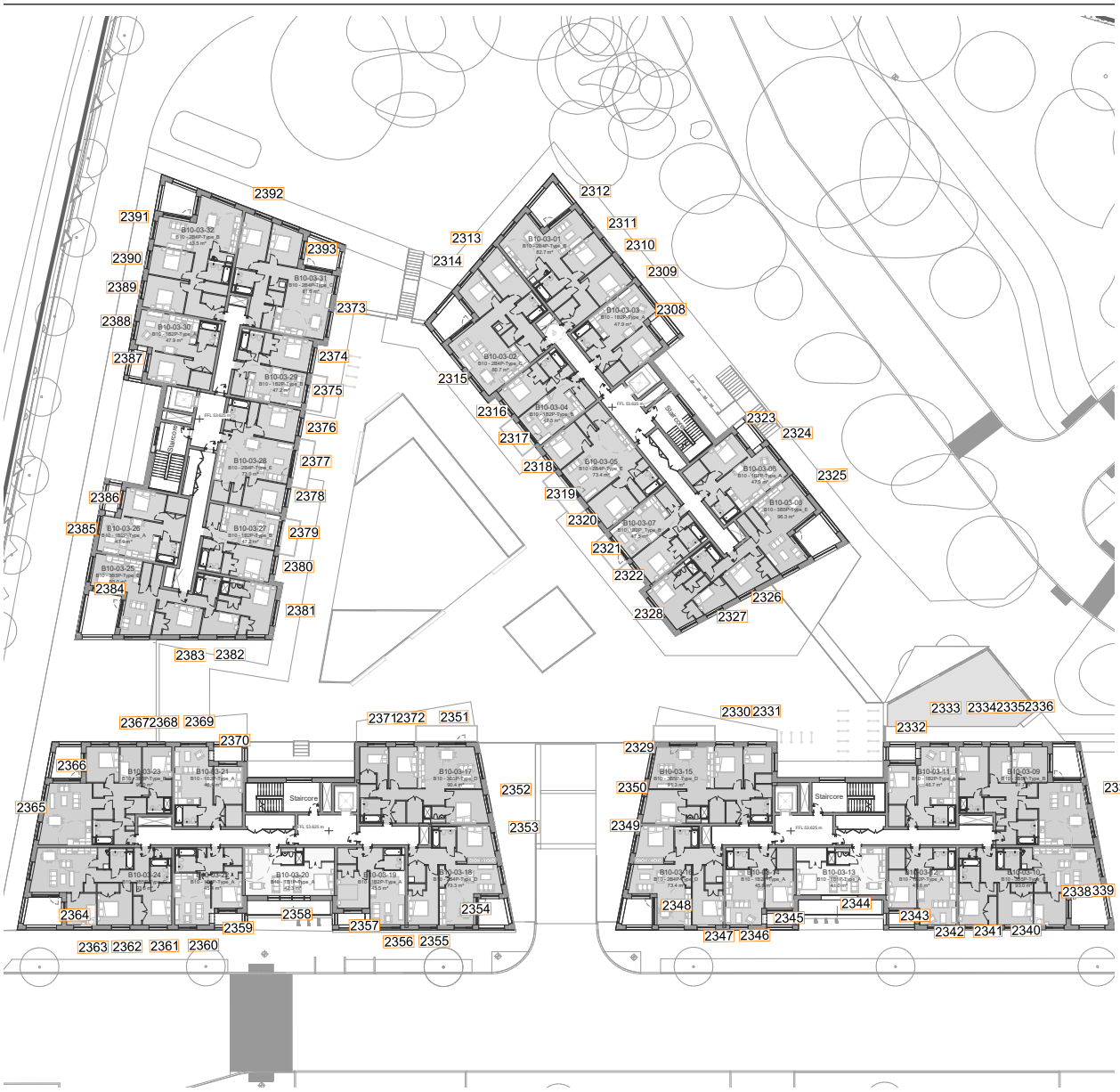



Fig. 60: Floor Plan

## Block 10 - Fourth Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 10 - FOURTH FLOOR | | | | | | |
| 2394 | Bedroom | 2.3 | 99 | MET | | |
| 2395 | L/K/D | 4.2 | 100 | N/A | 28 | 4 |
| 2396 | Bedroom | 4.1 | 99 | MET | | |
| 2397 | Bedroom | 4.2 | 100 | MET | | |
| 2398 | L/K/D | 5.6 | 100 | N/A | | |
| 2399 | Bedroom | 4.1 | 100 | MET | | |
| 2400 | Bedroom | 6.3 | 100 | N/A | | |
| 2401 | L/K/D | 4.6 | 100 | N/A | 63 | 22 |
| 2402 | Bedroom | 3.5 | 98 | MET | | |
| 2403 | L/K/D | 2.9 | 100 | MET | 44 | 22 |
| 2404 | Bedroom | 3.9 | 99 | MET | | |
| 2405 | L/K/D | 2.2 | 99 | MET | 41 | 21 |
| 2406 | Bedroom | 3.6 | 99 | MET | | |
| 2407 | L/K/D | 2.8 | 100 | MET | 47 | 23 |
| 2408 | Bedroom | 3.5 | 99 | MET | | |
| 2409 | Bedroom | 2.1 | 99 | MET | | |
| 2410 | L/K/D | 2.8 | 99 | N/A | | |
| 2411 | L/K/D | 4.7 | 100 | N/A | 74 | 24 |
| 2412 | Bedroom | 4.1 | 95 | MET | | |
| 2413 | Bedroom | 4.7 | 95 | MET | | |
| 2414 | Bedroom | 7.1 | 100 | N/A | | |
| 2415 | L/K/D | 5.5 | 100 | N/A | | |
| 2416 | Bedroom | 3.5 | 99 | MET | | |
| 2417 | Bedroom | 3.7 | 100 | MET | | |
| 2418 | Bedroom | 2.8 | 99 | MET | | |
| 2419 | L/K/D | 3.2 | 99 | N/A | 4 | 0 |
| 2420 | Bedroom | 4.2 | 99 | MET | | |
| 2421 | Bedroom | 4.8 | 99 | MET | | |
| 2422 | Bedroom | 5.4 | 100 | N/A | | |
| 2423 | L/K/D | 4.7 | 100 | N/A | | |
| 2424 | L/K/D | 3.7 | 100 | N/A | 45 | 15 |
| 2425 | Bedroom | 5.5 | 100 | N/A | | |
| 2426 | Bedroom | 4.1 | 99 | MET | | |
| 2427 | Bedroom | 4.1 | 99 | MET | | |
| 2428 | L/K/D | 3.1 | 100 | N/A | 79 | 30 |
| 2429 | Bedroom | 3 | 100 | MET | | |
| 2430 | Studio | 2.6 | 94 | MET | 33 | 27 |
| 2431 | Bedroom | 3.1 | 100 | MET | | |
| 2432 | L/K/D | 3.3 | 100 | N/A | 80 | 30 |
| 2433 | Bedroom | 3.8 | 100 | MET | | |
| 2434 | L/K/D | 5.9 | 100 | N/A | 91 | 30 |
| 2435 | Bedroom | 3.9 | 99 | MET | | |
| 2436 | Bedroom | 3.2 | 99 | MET | | |
| 2437 | L/K/D | 5.9 | 100 | N/A | | |
| 2438 | Bedroom | 3.1 | 99 | MET | | |
| 2439 | Bedroom | 3.7 | 99 | MET | | |
| 2440 | L/K/D | 4.9 | 100 | N/A | 86 | 30 |
| 2441 | Bedroom | 3.4 | 99 | MET | | |
| 2442 | L/K/D | 4.3 | 100 | N/A | 86 | 30 |
| 2443 | Bedroom | 2.1 | 99 | MET | | |
| 2444 | Studio | 3.9 | 97 | MET | 82 | 29 |
| 2445 | Bedroom | 3.7 | 99 | MET | | |
| 2446 | Bedroom | 4.2 | 100 | MET | | |
| 2447 | L/K/D | 4.4 | 100 | N/A | 89 | 30 |
| 2448 | Bedroom | 3.3 | 99 | MET | | |
| 2449 | L/K/D | 5.5 | 100 | N/A | | |
| 2450 | Bedroom | 4.2 | 100 | MET | | |
| 2451 | Bedroom | 3.8 | 99 | MET | | |
| 2452 | Bedroom | 4.1 | 100 | MET | | |
| 2453 | Bedroom | 4.1 | 99 | MET | | |
| 2454 | Bedroom | 4.1 | 99 | MET | | |

Table 59: Assessment Data

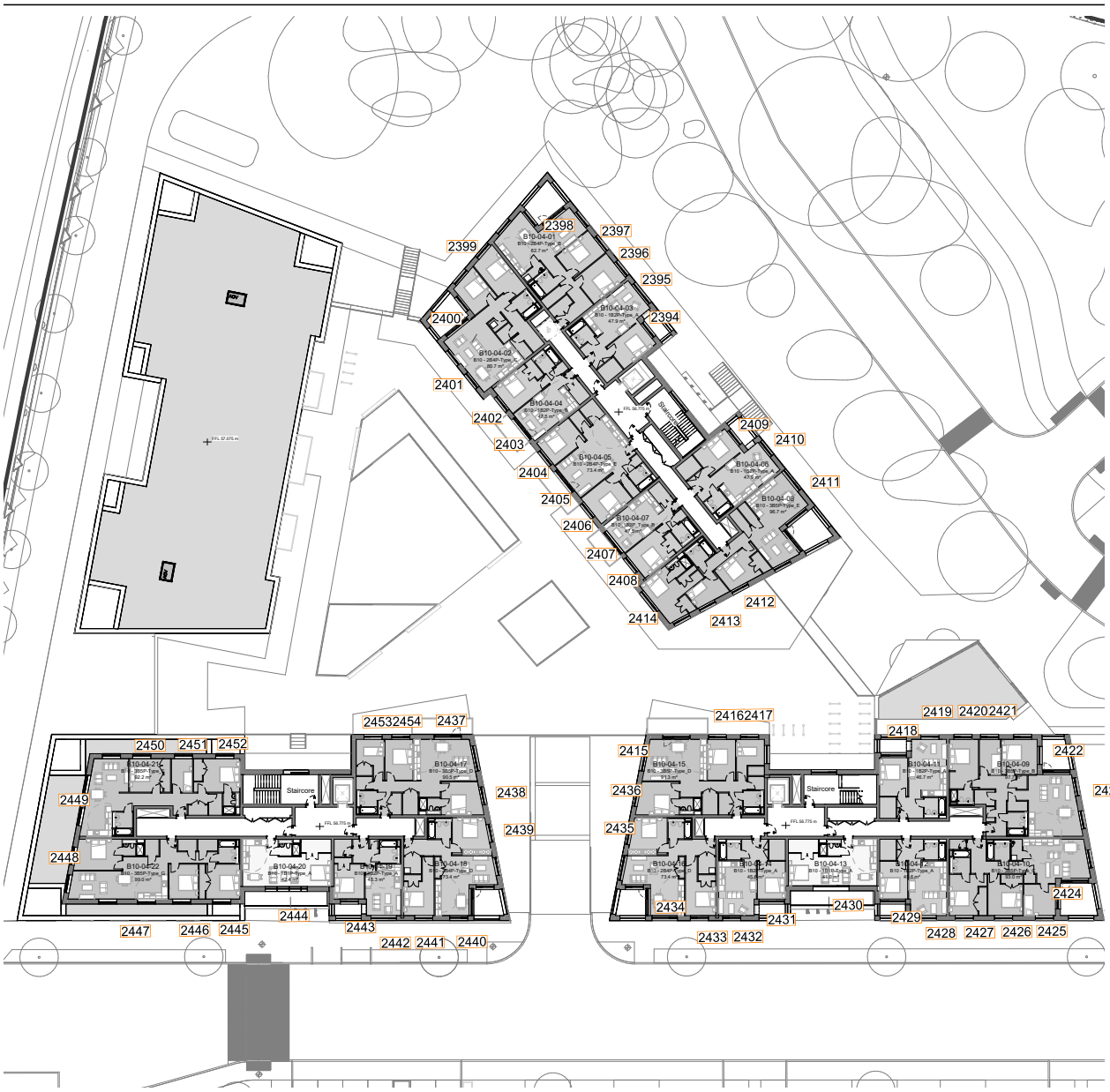



Fig. 61: Floor Plan

## Block 10 - Fifth Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 10 - FIFTH FLOOR | | | | | | |
| 2455 | Bedroom | 3 | 99 | MET | | |
| 2456 | Bedroom | 3.2 | 98 | MET | | |
| 2457 | Bedroom | 3.7 | 99 | MET | | |
| 2458 | L/K/D | 4.9 | 100 | N/A | | |
| 2459 | Bedroom | 3.6 | 97 | MET | | |
| 2460 | L/K/D | 3.6 | 99 | N/A | 63 | 21 |
| 2461 | L/K/D | 2.7 | 99 | MET | 63 | 22 |
| 2462 | Bedroom | 5.9 | 100 | MET | | |
| 2463 | Bedroom | 4.1 | 99 | MET | | |
| 2464 | L/K/D | 3 | 100 | MET | 66 | 24 |
| 2465 | Bedroom | 3.8 | 99 | MET | | |
| 2466 | L/K/D | 4.1 | 100 | MET | 65 | 23 |
| 2467 | Bedroom | 3.7 | 99 | MET | | |
| 2468 | Bedroom | 2.5 | 99 | MET | | |
| 2469 | L/K/D | 2.6 | 98 | N/A | | |
| 2470 | L/K/D | 3.7 | 100 | N/A | 76 | 26 |
| 2471 | Bedroom | 4.5 | 96 | MET | | |
| 2472 | Bedroom | 5.1 | 95 | MET | | |
| 2473 | Bedroom | 7.5 | 100 | N/A | | |
| 2474 | L/K/D | 5.5 | 100 | N/A | | |
| 2475 | Bedroom | 3.2 | 98 | MET | | |
| 2476 | Bedroom | 3.2 | 100 | MET | | |
| 2477 | L/K/D | 2.9 | 99 | N/A | 6 | 0 |
| 2478 | Bedroom | 4.2 | 99 | MET | | |
| 2479 | Bedroom | 4.6 | 99 | MET | | |
| 2480 | Bedroom | 4.3 | 99 | N/A | | |
| 2481 | L/K/D | 3.9 | 99 | N/A | | |
| 2482 | L/K/D | 3.2 | 100 | N/A | 64 | 15 |
| 2483 | Bedroom | 4.8 | 99 | N/A | | |
| 2484 | Bedroom | 4.1 | 99 | MET | | |
| 2485 | Bedroom | 4.1 | 99 | MET | | |
| 2486 | L/K/D | 3 | 100 | N/A | 81 | 30 |
| 2487 | Bedroom | 3.3 | 100 | MET | | |
| 2488 | Studio | 4 | 97 | MET | 82 | 29 |
| 2489 | Bedroom | 2.9 | 99 | MET | | |
| 2490 | Bedroom | 3.8 | 99 | MET | | |
| 2491 | L/K/D | 4.3 | 100 | N/A | 93 | 30 |

Table 60: Assessment Data

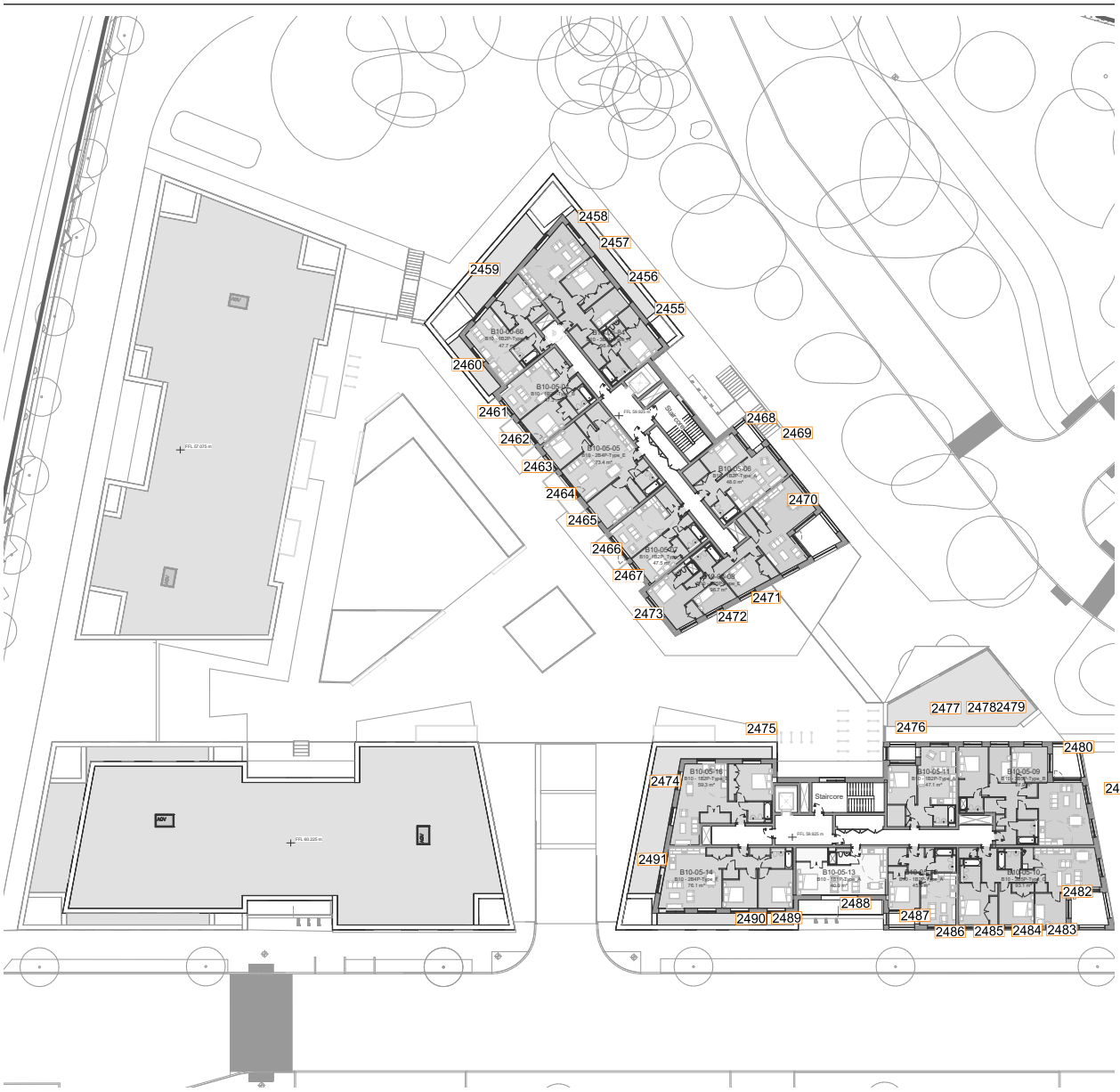



Fig. 62: Floor Plan

# 8 OVERSHADOWING ASSESSMENTS

## SHD Application

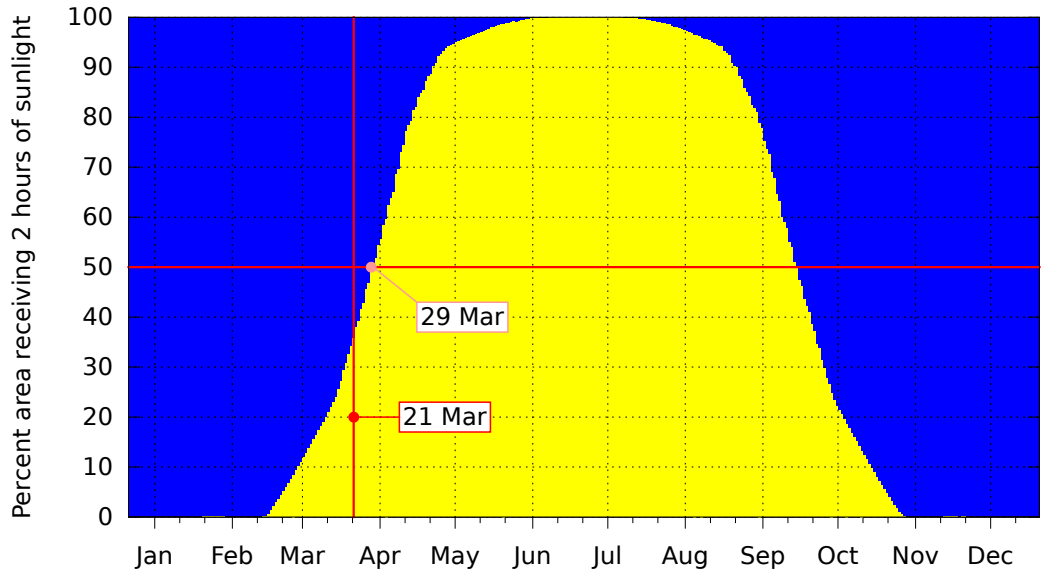
### OVERSHADOWING ASSESSMENT - PUBLIC AND COMMUNAL AMENITY AREAS
**SUN HOURS ON GROUND - BRE TEST - 21ST MARCH**


Fig. 63: BRE Compliance

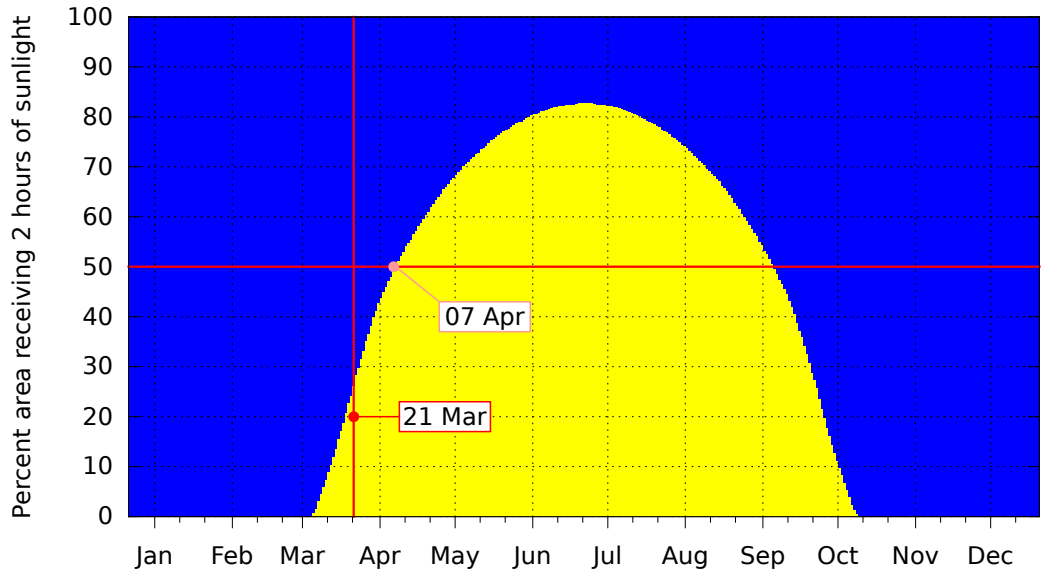
| AREA | % AREA SEEING 2+ HRS OF SUNLIGHT ON 21TH MARCH | AREA | % AREA SEEING 2+ HRS OF SUNLIGHT ON 21TH MARCH |
|---|---|---|---|
| 1 | 89 | 11 | 26 |
| 2 | 100 | 12 | 98 |
| 3 | 100 | 13 | 98 |
| 4 | 91 | 14 | 64 |
| 5 | 97 | 15 | 88 |
| 6 | 81 | 16 | 86 |
| 7 | 69 | 17 | 85 |
| 8 | 100 | 18 | 78 |
| 9 | 36 | 19 | 50 |
| 10 | 62 | 20 | 35 |

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

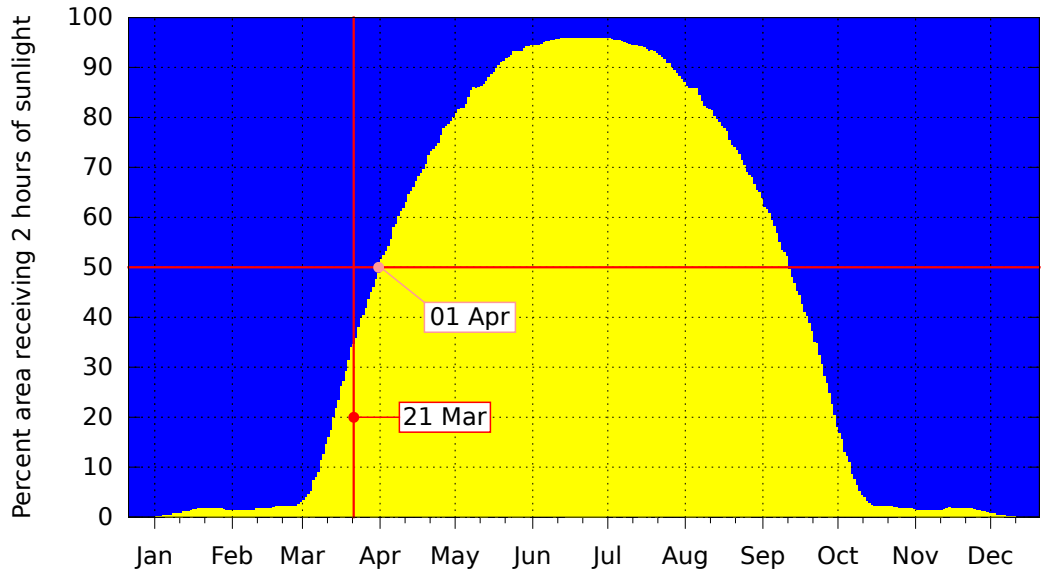
## OVERSHADOWING ASSESSMENT - AREA 9
### SUNLIGHT AVAILABILITY THROUGHOUT THE YEAR




## OVERSHADOWING ASSESSMENT - AREA 11
### SUNLIGHT AVAILABILITY THROUGHOUT THE YEAR




## OVERSHADOWING ASSESSMENT - AREA 20
### SUNLIGHT AVAILABILITY THROUGHOUT THE YEAR



## OVERSHADOWING ASSESSMENT - PUBLIC AND COMMUNAL AMENITY AREAS
### SUN EXPOSURE ON GROUND - 21ST MARCH (SPRING EQUINOX)

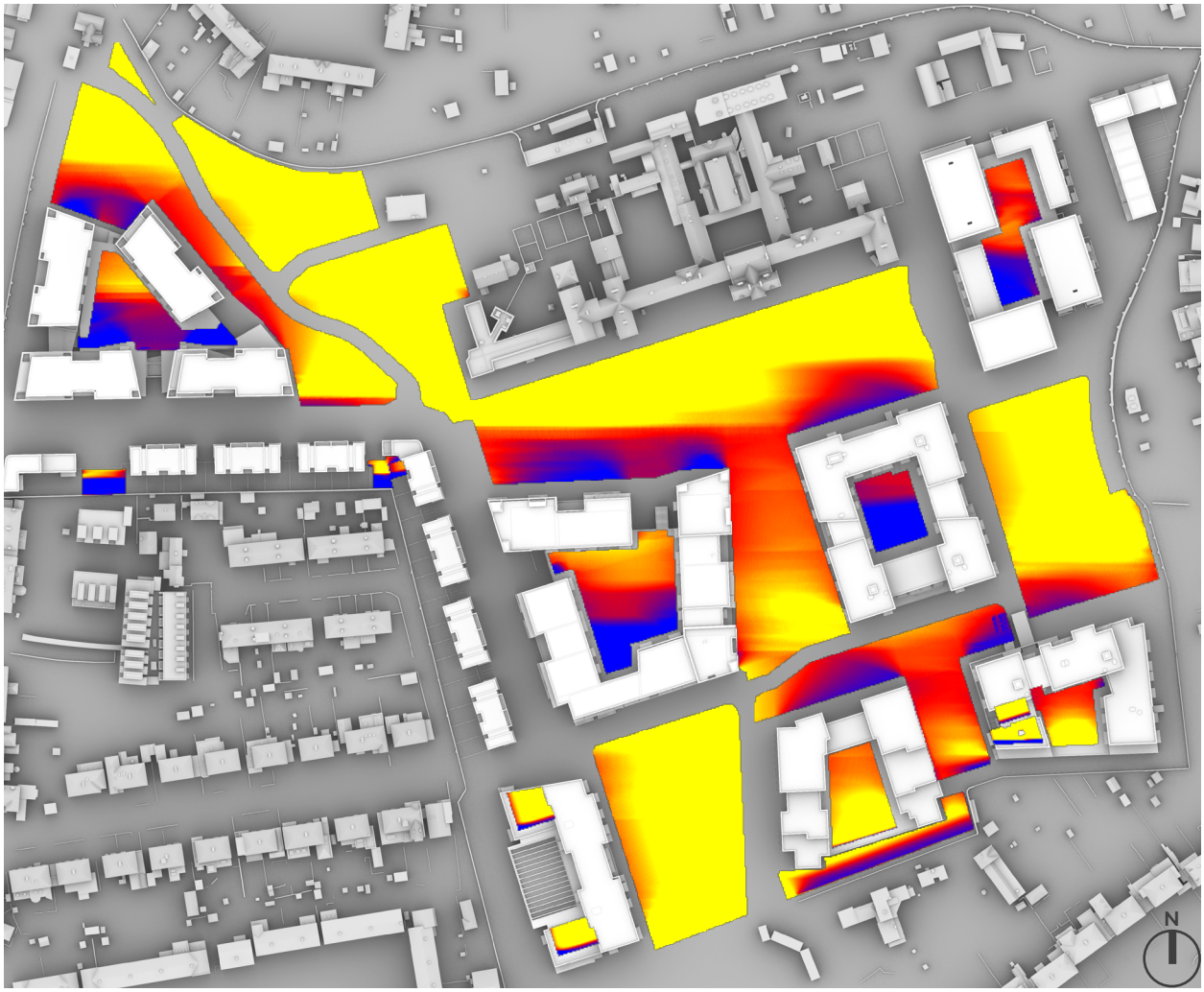
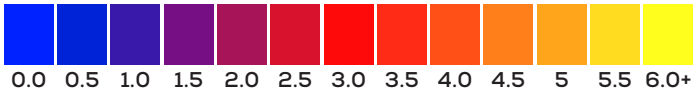



Fig. 64: March Exposure

**SUN EXPOSURE**
TOTAL HOURS




**21st MARCH (SPRING EQUINOX)**

**DUBLIN**

| | |
|---|---|
| Latitude: | 53.3 |
| Longitude: | -6.2 |
| Sunrise: | 06:24 GMT |
| Sunset: | 18:40 GMT |

**Total Available Sunlight:**
12hrs 16mins

## OVERSHADOWING ASSESSMENT - PUBLIC AND COMMUNAL AMENITY AREAS
**SUN EXPOSURE ON GROUND - 21ST JUNE (SUMMER SOLSTICE)**


Fig. 65: June Exposure

**SUN EXPOSURE**
TOTAL HOURS

0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5 5.5 6.0+

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

**DUBLIN**

| | |
|---|---|
| Latitude: | 53.3 |
| Longitude: | -6.2 |
| Sunrise: | 04:56 DST |
| Sunset: | 21:57 DST |

**Total Available Sunlight:**
17hrs 01mins

# 9 SITE OVERVIEW

## Masterplan Application


Fig. 66: Top view

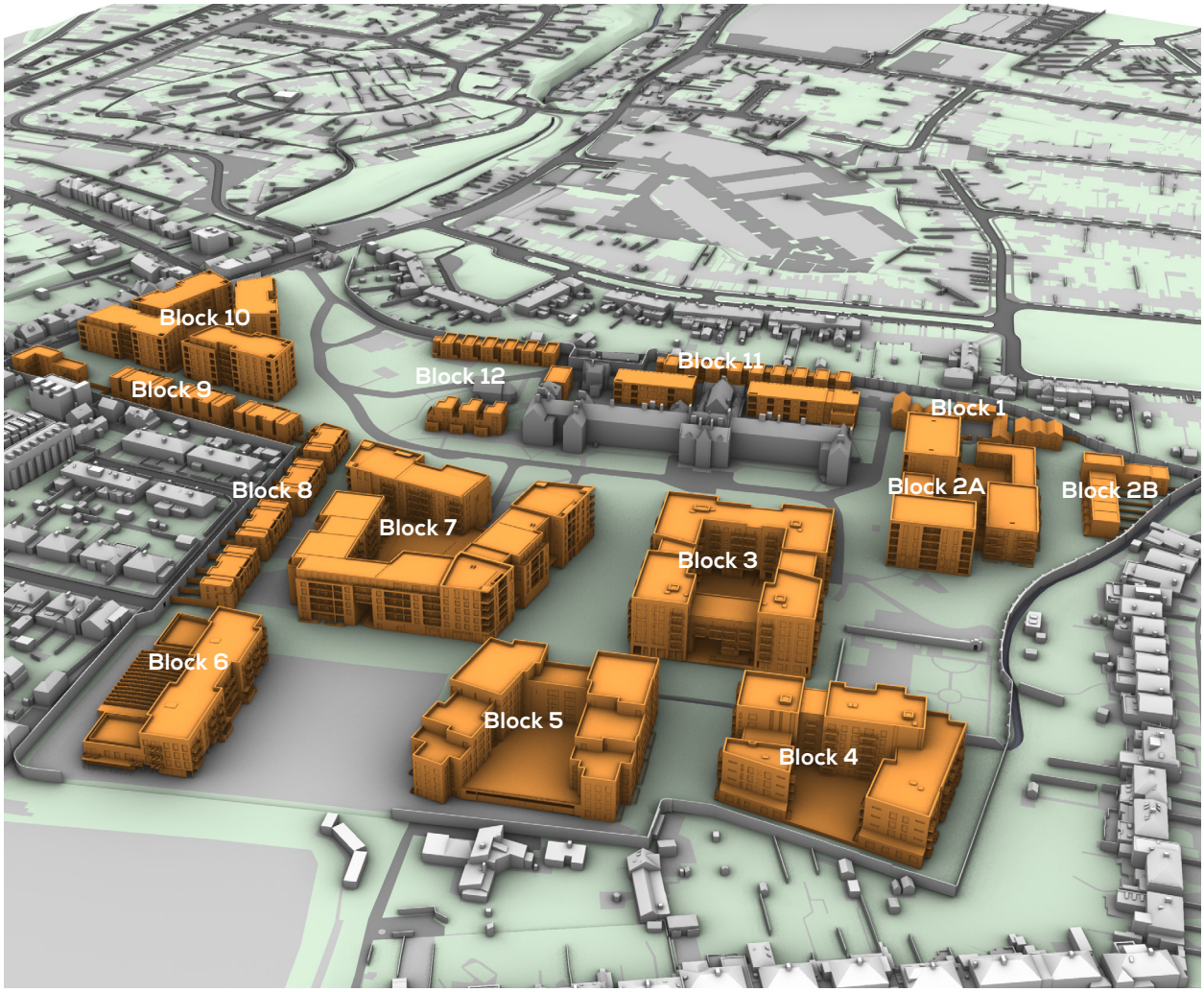


Fig. 67: Perspective view

# 10 INTERNAL DAYLIGHT AND SUNLIGHT ASSESSMENTS

Masterplan Application

## Block 01 - Ground Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| **BLOCK 01 - GROUND FLOOR** | | | | | | |
| 1 | Kitchen | 1.2 | 92 | MET | | |
| 2 | Living Room | 3.1 | 86 | MET | 59 | 14 |
| 3 | Studio | 1.1 | 93 | N/A | 35 | 7 |
| 4 | Bedroom | 1.9 | 81 | MET | | |
| 5 | L/K/D | 0.4 | 100 | N/A | | |
| 6 | L/K/D | 4.1 | 100 | N/A | 24 | 0 |
| 7 | Bedroom | 0.7 | 67 | MET | | |
| 8 | Bedroom | 0.6 | 53 | MET | | |
| 9 | L/K/D | 3.5 | 100 | N/A | | |
| 10 | Bedroom | 2.4 | 100 | N/A | | |
| 11 | L/K/D | 1.6 | 96 | MET | | |
| 12 | Bedroom | 3 | 99 | N/A | | |
| 13 | Living Room | 2.9 | 97 | N/A | 52 | 11 |
| 14 | Bedroom | 3.1 | 99 | MET | | |
| 15 | Bedroom | 2 | 89 | MET | | |
| 16 | L/K/D | 2 | 96 | N/A | 38 | 9 |

Table 61: Assessment Data


Fig. 68: Floor Plan

## Block 01 - First Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 01 - FIRST FLOOR | | | | | | |
| 17 | Bedroom | 1.3 | 89 | MET | | |
| 18 | Bedroom | 2.2 | 98 | MET | | |
| 19 | Bedroom | 3.6 | 99 | MET | | |
| 20 | Bedroom | 2.2 | 96 | MET | | |
| 21 | Bedroom | 3.5 | 99 | MET | | |
| 22 | Bedroom | 3.2 | 98 | MET | | |
| 23 | Bedroom | 2 | 93 | MET | | |
| 24 | L/K/D | 3.1 | 100 | N/A | 44 | 11 |

Table 62: Assessment Data


Fig. 69: Floor Plan

## Block 11 - Ground Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 11 - GROUND FLOOR | | | | | | |
| 2492 | Bedroom | 4.4 | 97 | MET | | |
| 2493 | Bedroom | 4.6 | 98 | MET | | |
| 2494 | L/K/D | 1.5 | 73 | MET | | |
| 2495 | Bedroom | 3.6 | 98 | MET | | |
| 2496 | Bedroom | 3.3 | 98 | MET | | |
| 2497 | L/K/D | 3.7 | 98 | N/A | 66 | 9 |
| 2498 | L/K/D | 1.4 | 43 | N/A | 54 | 14 |
| 2499 | Bedroom | 1.4 | 96 | MET | | |
| 2500 | L/K/D | 1.4 | 43 | N/A | 61 | 14 |
| 2501 | Bedroom | 1.3 | 97 | MET | | |
| 2502 | L/K/D | 1.3 | 43 | N/A | 60 | 13 |
| 2503 | Bedroom | 1.4 | 97 | MET | | |
| 2504 | Bedroom | 2.8 | 98 | MET | | |
| 2505 | L/K/D | 1.8 | 77 | N/A | 27 | 8 |
| 2506 | Bedroom | 5.5 | 100 | N/A | | |
| 2507 | L/K/D | 1.4 | 71 | N/A | | |
| 2508 | Bedroom | 1.3 | 53 | MET | | |
| 2509 | Bedroom | 1.2 | 97 | MET | | |
| 2510 | L/K/D | 1.3 | 44 | N/A | 59 | 12 |
| 2511 | L/K/D | 1.3 | 44 | N/A | 59 | 13 |
| 2512 | Bedroom | 1.5 | 97 | MET | | |
| 2513 | Bedroom | 3.2 | 100 | MET | | |
| 2514 | L/K/D | 3 | 98 | N/A | 46 | 14 |
| 2515 | Bedroom | 7.2 | 100 | N/A | | |
| 2516 | Bedroom | 2.5 | 90 | MET | | |
| 2517 | Kitchen | 3.2 | 99 | MET | | |
| 2518 | Living Room | 3.5 | 86 | MET | 59 | 7 |
| 2519 | Bedroom | 2.6 | 85 | MET | | |
| 2520 | Kitchen | 3.4 | 99 | MET | | |
| 2521 | Living Room | 3.3 | 92 | MET | 61 | 9 |

Table 63: Assessment Data


Fig. 70: Floor Plan

## Block 11 - First Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 11 - FIRST FLOOR | | | | | | |
| 2522 | Bedroom | 5 | 97 | MET | | |
| 2523 | Bedroom | 5.2 | 98 | MET | | |
| 2524 | L/K/D | 1.7 | 98 | MET | | |
| 2525 | Bedroom | 3.1 | 96 | MET | | |
| 2526 | Bedroom | 3.4 | 94 | MET | | |
| 2527 | L/K/D | 1.4 | 53 | MET | 34 | 9 |
| 2528 | L/K/D | 1.6 | 61 | N/A | 66 | 18 |
| 2529 | Bedroom | 1.3 | 97 | MET | | |
| 2530 | L/K/D | 1.6 | 61 | N/A | 65 | 17 |
| 2531 | Bedroom | 1.4 | 97 | MET | | |
| 2532 | L/K/D | 1.5 | 61 | N/A | 65 | 18 |
| 2533 | Bedroom | 1.3 | 97 | MET | | |
| 2534 | Bedroom | 3.2 | 99 | MET | | |
| 2535 | L/K/D | 3.3 | 97 | N/A | 42 | 12 |
| 2536 | Bedroom | 8.2 | 100 | N/A | | |
| 2537 | Bedroom | 3.8 | 99 | N/A | | |
| 2538 | L/K/D | 3.9 | 99 | N/A | 65 | 18 |
| 2539 | Bedroom | 3.9 | 100 | MET | | |
| 2540 | Bedroom | 1.4 | 97 | MET | | |
| 2541 | L/K/D | 1.5 | 64 | N/A | 68 | 18 |
| 2542 | L/K/D | 2.4 | 73 | N/A | 66 | 18 |
| 2543 | Bedroom | 1.4 | 97 | MET | | |
| 2544 | Bedroom | 3.6 | 100 | MET | | |
| 2545 | L/K/D | 3.7 | 98 | N/A | 50 | 19 |
| 2546 | Bedroom | 9.4 | 100 | N/A | | |
| 2547 | Bedroom | 3.8 | 84 | MET | | |
| 2548 | Bedroom | 2.4 | 96 | MET | | |
| 2549 | Bedroom | 2.1 | 94 | MET | | |
| 2550 | Bedroom | 3.7 | 84 | MET | | |
| 2551 | Bedroom | 2.4 | 96 | MET | | |
| 2552 | Bedroom | 2.1 | 94 | MET | | |

Table 64: Assessment Data

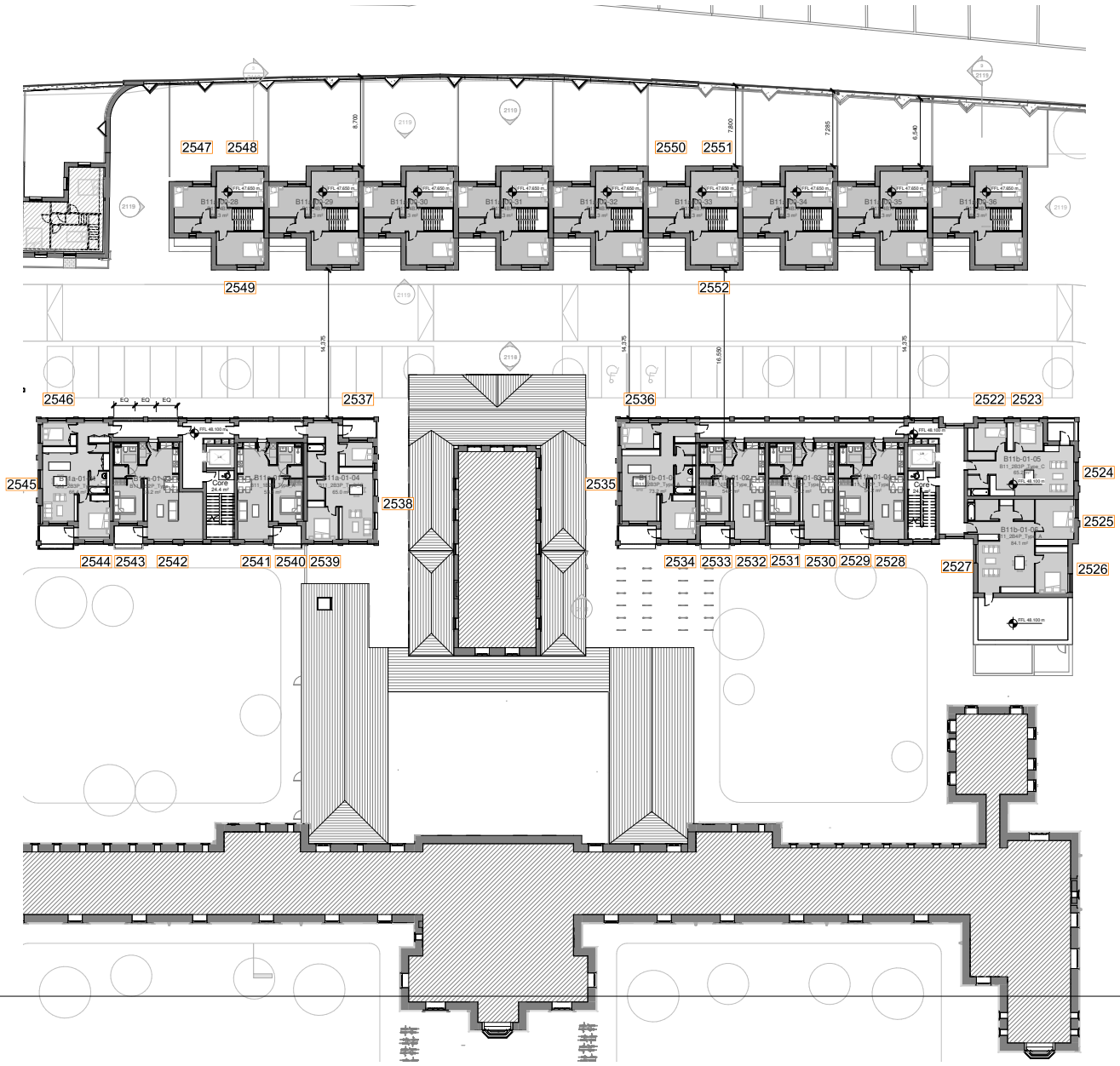



Fig. 71: Floor Plan

## Block 11 - Second Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 11 - SECOND FLOOR | | | | | | |
| 2553 | L/K/D | 4.3 | 99 | MET | | |
| 2554 | Bedroom | 3.1 | 96 | MET | | |
| 2555 | L/K/D | 4.7 | 100 | N/A | 78 | 23 |
| 2556 | Bedroom | 5.2 | 99 | MET | | |
| 2557 | Bedroom | 3.9 | 98 | MET | | |
| 2558 | L/K/D | 1.7 | 93 | N/A | 74 | 24 |
| 2559 | Bedroom | 1.7 | 97 | MET | | |
| 2560 | L/K/D | 1.6 | 92 | N/A | 76 | 26 |
| 2561 | Bedroom | 1.6 | 97 | MET | | |
| 2562 | L/K/D | 1.6 | 92 | N/A | 74 | 24 |
| 2563 | Bedroom | 1.7 | 97 | MET | | |
| 2564 | Bedroom | 3.5 | 99 | MET | | |
| 2565 | L/K/D | 4.7 | 100 | N/A | 65 | 23 |
| 2566 | Bedroom | 9.9 | 100 | N/A | | |
| 2567 | Bedroom | 5.4 | 100 | N/A | | |
| 2568 | L/K/D | 5 | 100 | N/A | 74 | 24 |
| 2569 | Bedroom | 4.5 | 100 | MET | | |
| 2570 | Bedroom | 1.7 | 97 | MET | | |
| 2571 | L/K/D | 1.6 | 96 | N/A | 72 | 22 |
| 2572 | L/K/D | 2.5 | 97 | N/A | 74 | 24 |
| 2573 | Bedroom | 1.7 | 97 | MET | | |
| 2574 | Bedroom | 3.8 | 100 | MET | | |
| 2575 | L/K/D | 4.6 | 100 | N/A | 65 | 27 |
| 2576 | Bedroom | 10.7 | 100 | N/A | | |

Table 65: Assessment Data

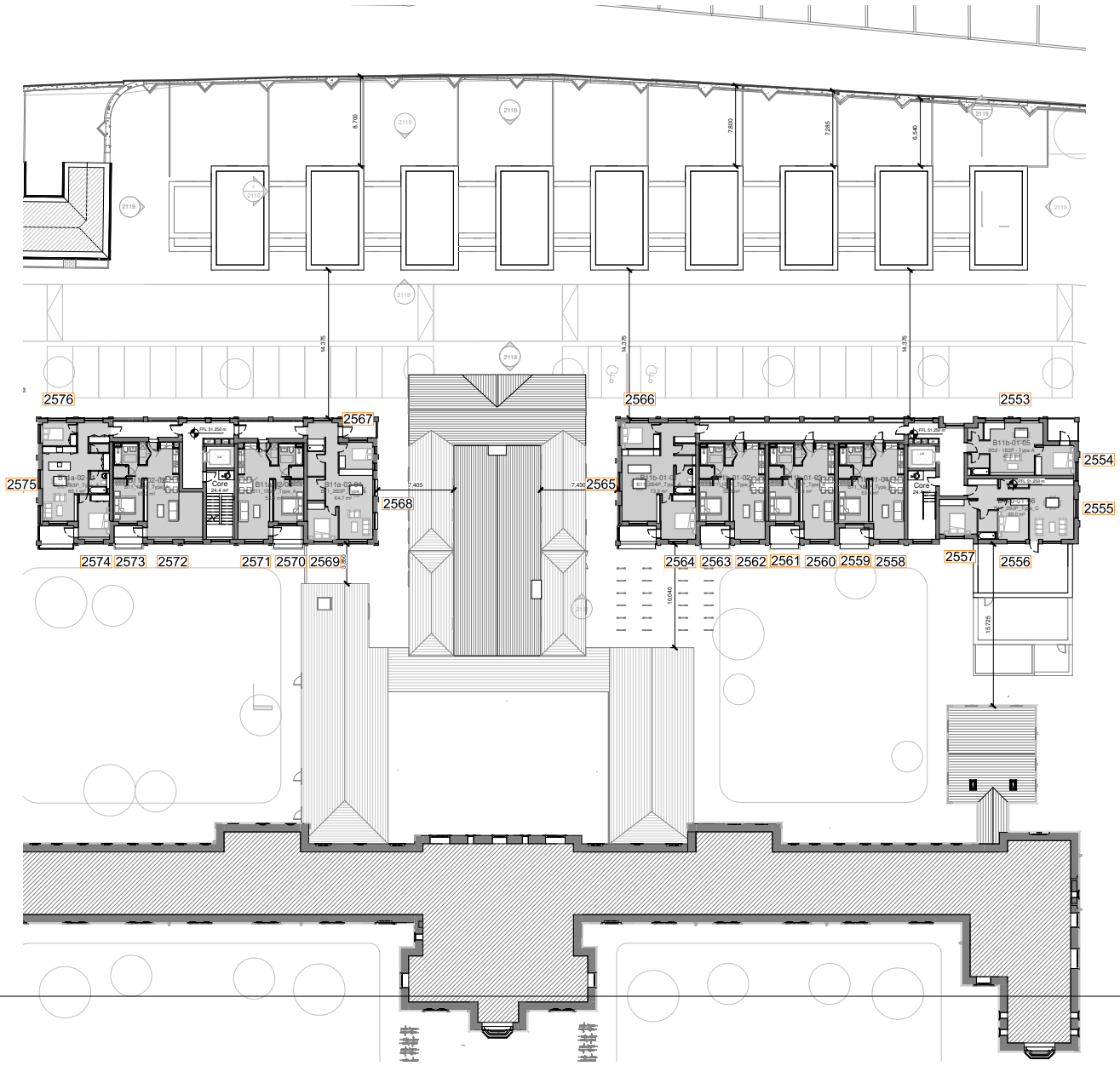



Fig. 72: Floor Plan

## Block 12 - Ground Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 12 - GROUND FLOOR | | | | | | |
| 2577 | Bedroom | 2.3 | 97 | N/A | | |
| 2578 | L/K/D | 3 | 100 | N/A | 45 | 13 |
| 2579 | L/K/D | 2.7 | 99 | N/A | 48 | 16 |
| 2580 | Bedroom | 2.7 | 98 | N/A | | |
| 2581 | Kitchen | 3.6 | 99 | N/A | | |
| 2582 | Living Room | 3.8 | 98 | MET | 53 | 17 |
| 2583 | Bedroom | 4.6 | 98 | MET | | |
| 2584 | Bedroom | 1.5 | 84 | MET | | |
| 2585 | Living Room | 3.9 | 99 | N/A | 80 | 24 |
| 2586 | Kitchen | 3.2 | 98 | N/A | | |
| 2587 | Kitchen | 2.3 | 98 | N/A | | |
| 2588 | Living Room | 3.5 | 98 | N/A | 70 | 25 |

Table 66: Assessment Data

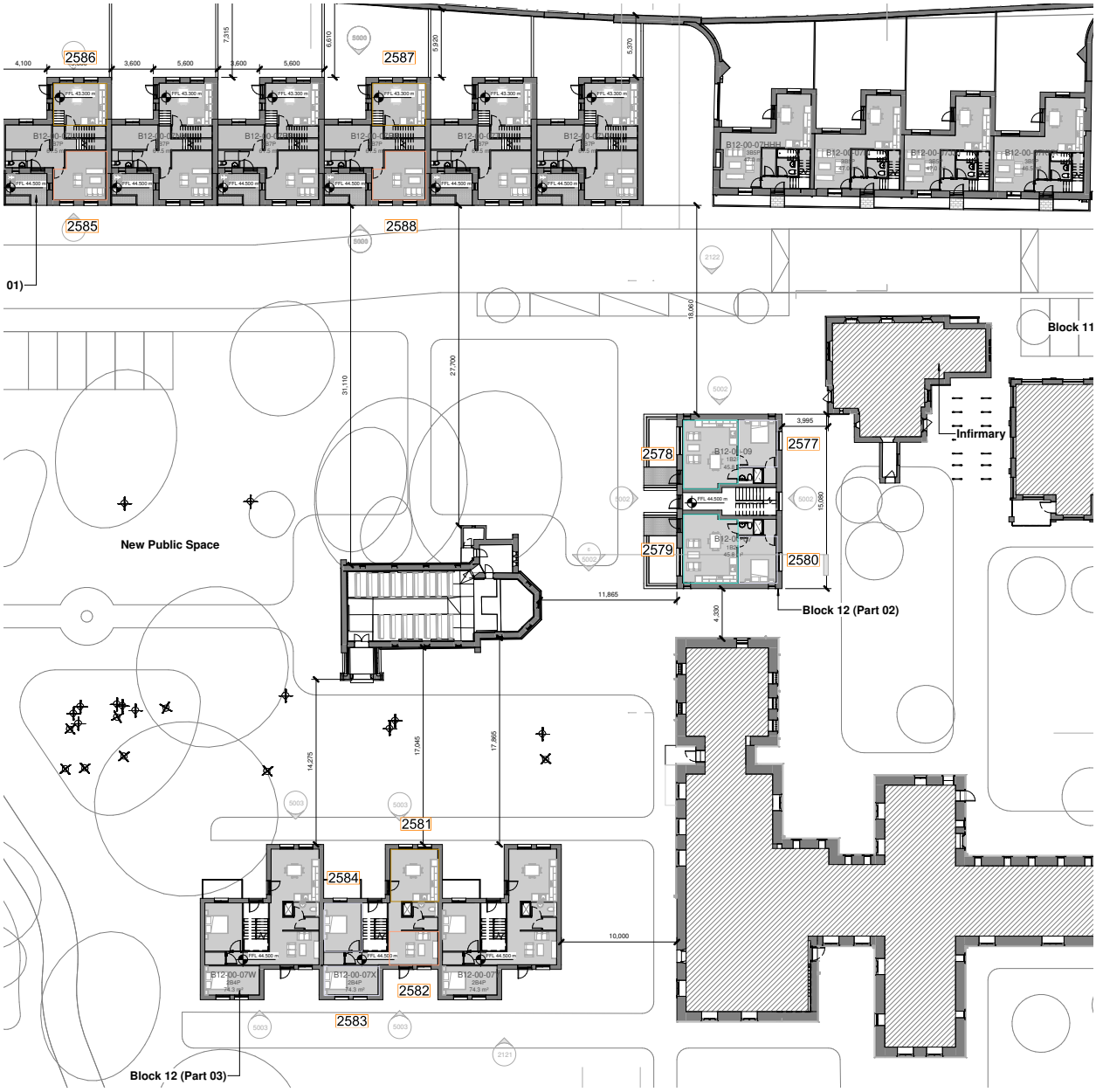



Fig. 73: Floor Plan

## Block 12 - First Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 12 - FIRST FLOOR | | | | | | |
| 2589 | Living Room | 5.3 | 100 | N/A | 52 | 17 |
| 2590 | Kitchen | 2.8 | 100 | N/A | | |
| 2591 | Kitchen | 3.1 | 98 | N/A | | |
| 2592 | Living Room | 5.1 | 100 | N/A | 63 | 17 |
| 2593 | Bedroom | 3.3 | 99 | MET | | |
| 2594 | Bedroom | 4.9 | 98 | MET | | |
| 2595 | Bedroom | 3.3 | 99 | N/A | | |
| 2596 | Bedroom | 4.3 | 100 | N/A | | |
| 2597 | Bedroom | 4.8 | 97 | MET | | |
| 2598 | Bedroom | 3.6 | 98 | MET | | |
| 2599 | Bedroom | 3.8 | 100 | N/A | | |
| 2600 | Bedroom | 3.6 | 98 | MET | | |
| 2601 | Bedroom | 4.7 | 97 | MET | | |

Table 67: Assessment Data

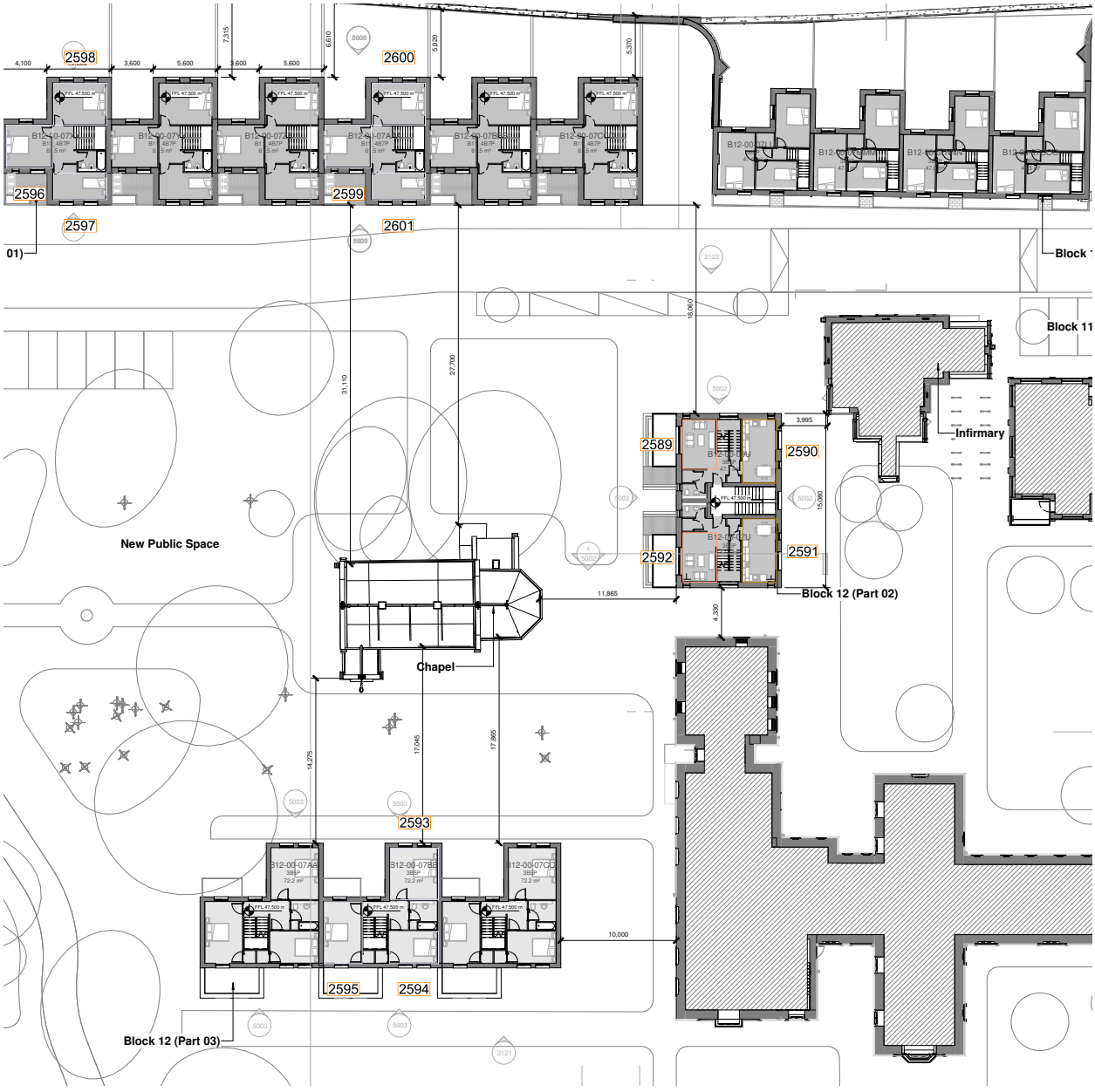



Fig. 74: Floor Plan

## Block 12 - Second Floor

| | | DAYLIGHT QUANTUM | DAYLIGHT DISTRIBUTION | | SUNLIGHT QUANTUM (PROBABLE SUNLIGHT HOURS) | |
|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | ADF (%) | NSL (%) | RDC | ANNUAL | WINTER |
| BLOCK 12 - SECOND FLOOR | | | | | | |
| 2602 | Bedroom | 3.8 | 100 | N/A | | |
| 2603 | Bedroom | 5.2 | 100 | N/A | | |
| 2604 | Bedroom | 1.2 | 94 | MET | | |
| 2605 | Bedroom | 1.2 | 93 | MET | | |
| 2606 | Bedroom | 5 | 99 | N/A | | |
| 2607 | Bedroom | 4 | 98 | N/A | | |
| 2608 | L/K/D | 3.7 | 100 | N/A | 83 | 27 |

Table 68: Assessment Data

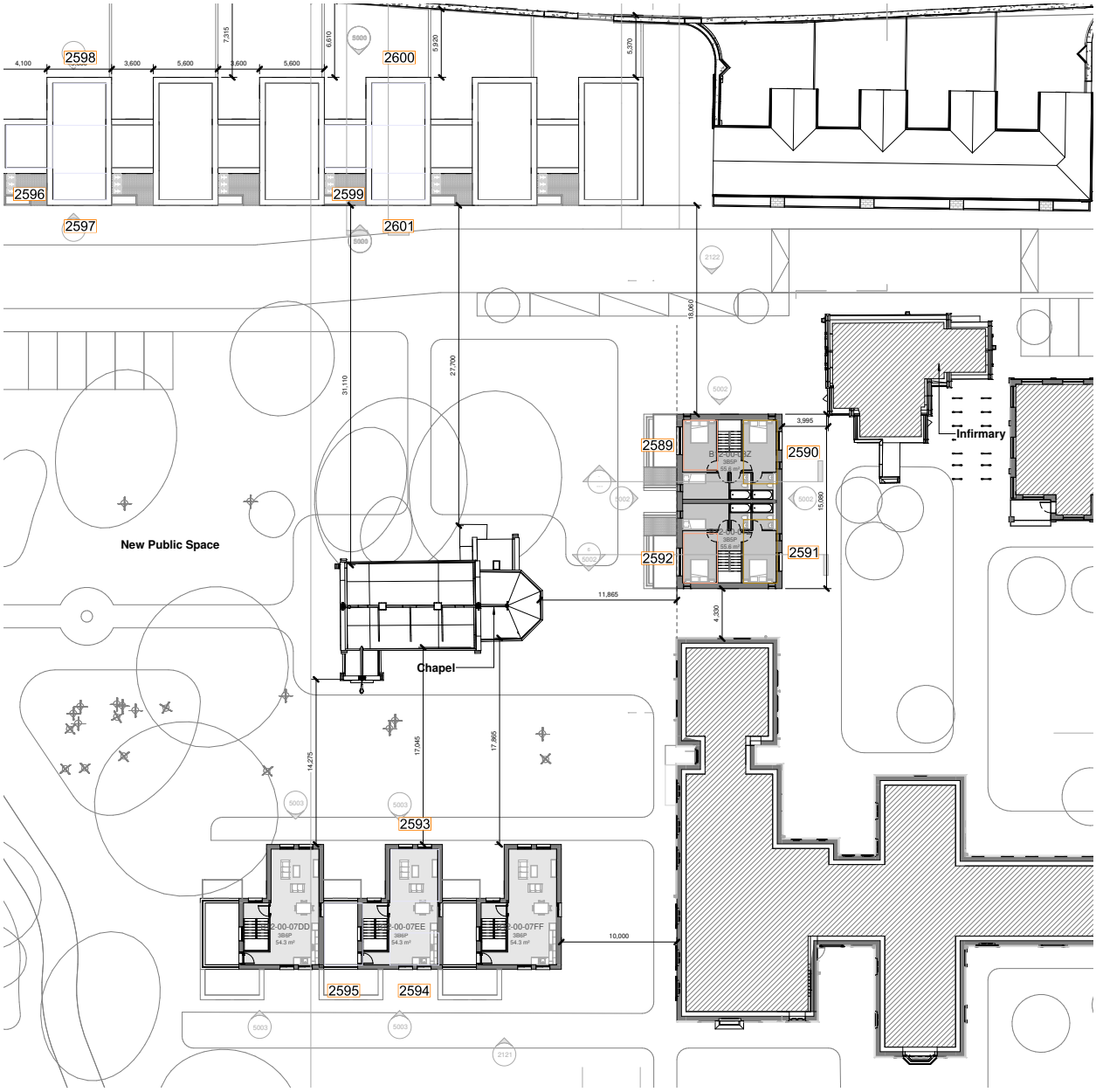



Fig. 75: Floor Plan

# 11 OVERSHADOWING ASSESSMENTS

## Masterplan Application

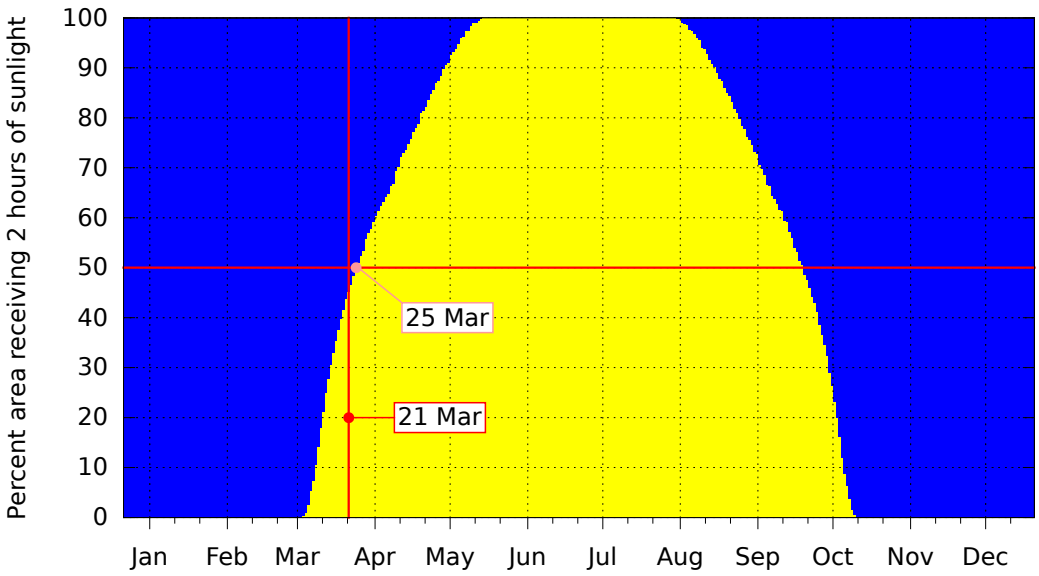
### OVERSHADOWING ASSESSMENT - PUBLIC AND COMMUNAL AMENITY AREAS
**SUN HOURS ON GROUND - BRE TEST - 21ST MARCH**


Fig. 76: BRE Compliance

| AREA | % AREA SEEING 2+ HRS OF SUNLIGHT ON 21TH MARCH | AREA | % AREA SEEING 2+ HRS OF SUNLIGHT ON 21TH MARCH |
|---|---|---|---|
| 1 | 89 | 14 | 64 |
| 2 | 100 | 15 | 88 |
| 3 | 100 | 16 | 86 |
| 4 | 91 | 17 | 85 |
| 5 | 97 | 18 | 99 |
| 6 | 81 | 19 | 83 |
| 7 | 69 | 20 | 45 |
| 8 | 100 | 21 | 51 |
| 9 | 36 | 22 | 51 |
| 10 | 62 | 23 | 90 |
| 11 | 26 | 24 | 78 |
| 12 | 98 | 25 | 50 |
| 13 | 98 | 26 | 35 |

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

## OVERSHADOWING ASSESSMENT - AREA 20
### SUNLIGHT AVAILABILITY THROUGHOUT THE YEAR



## OVERSHADOWING ASSESSMENT - PUBLIC AND COMMUNAL AMENITY AREAS
### SUN EXPOSURE ON GROUND - 21ST MARCH (SPRING EQUINOX)

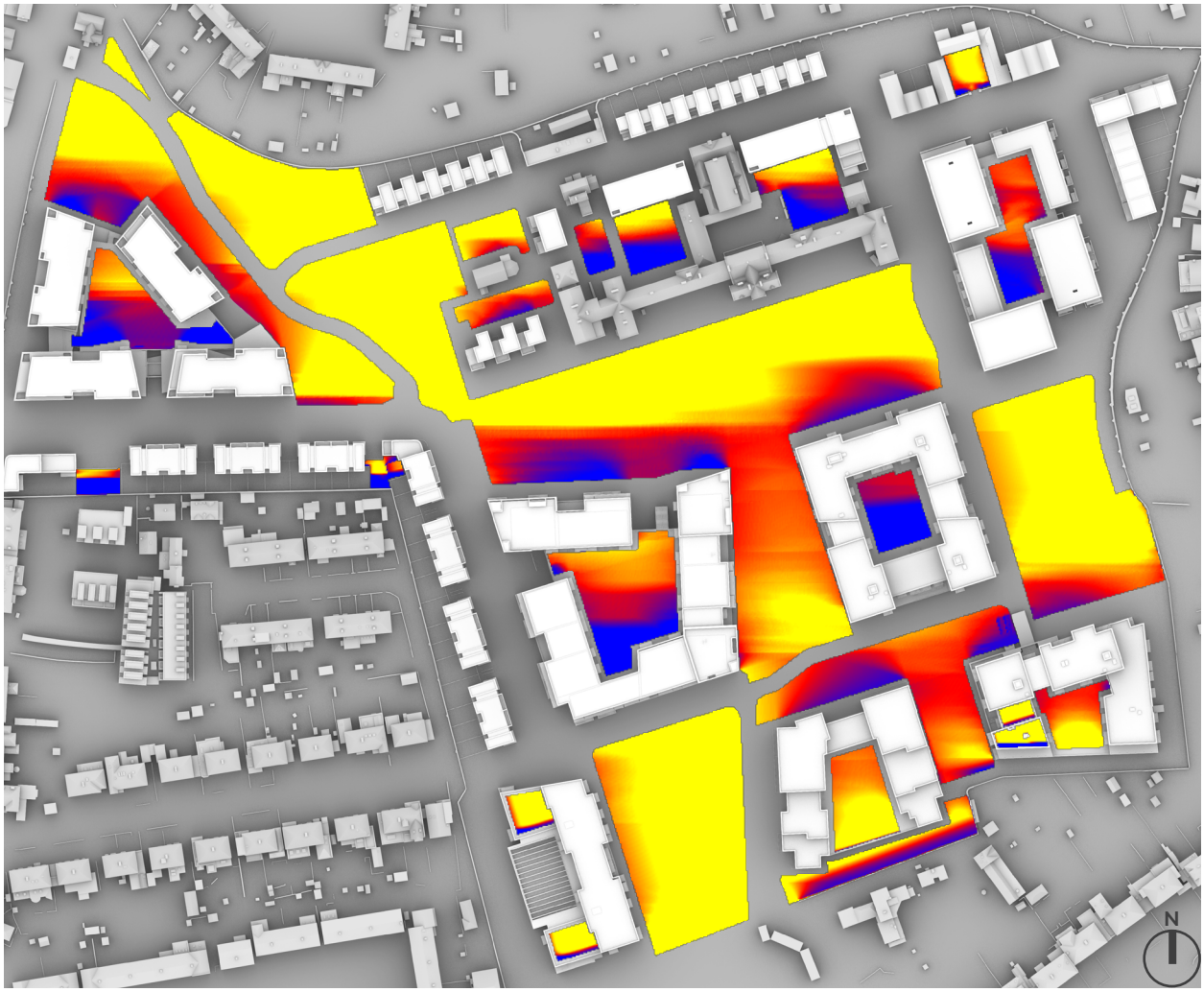
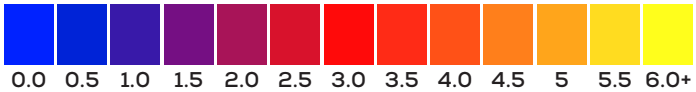



Fig. 77: March Exposure

**SUN EXPOSURE**
TOTAL HOURS




**21st MARCH (SPRING EQUINOX)**

**DUBLIN**

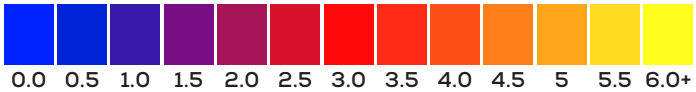
| | |
|---|---|
| Latitude: | 53.3 |
| Longitude: | -6.2 |
| Sunrise: | 06:24 GMT |
| Sunset: | 18:40 GMT |

**Total Available Sunlight:**
12hrs 16mins

## OVERSHADOWING ASSESSMENT - PUBLIC AND COMMUNAL AMENITY AREAS
**SUN EXPOSURE ON GROUND - 21ST JUNE (SUMMER SOLSTICE)**


Fig. 78: June Exposure

**SUN EXPOSURE**
TOTAL HOURS




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

**DUBLIN**

| | |
|---|---|
| Latitude: | 53.3 |
| Longitude: | -6.2 |
| Sunrise: | 04:56 DST |
| Sunset: | 21:57 DST |

**Total Available Sunlight:**
17hrs 01mins

# 12 APPENDIX - EN SPATIAL DAYLIGHT AUTONOMY

## Masterplan Application

| ROOM REF. | ROOM USE | DAYLIGHT<br>EN SPATIAL DAYLIGHT AUTONOMY<br>percentage of room achieving target illuminance for 2190 hrs (50% of daylit hours)<br>Weather File: IRL_Dublin | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 100 | 150 | 200 | 300 | BS EN17037:2018 TARGET | RELEVANT ENSDA | ABOVE/ BELOW (-25 to 25) |
| BLOCK 07 - GROUND FLOOR | | | | | | | | |
| 1394 | L/K/D | 100.0 | 99.9 | 95.5 | 65.2 | 200 | 95.5 | |
| 1395 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1396 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1397 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1398 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1399 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1400 | L/K/D | 89.3 | 72.9 | 57.3 | 35.6 | 200 | 57.3 | |
| 1401 | L/K/D | 86.8 | 73.1 | 63.1 | 42.3 | 200 | 63.1 | |
| 1402 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1403 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1404 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1405 | L/K/D | 100.0 | 90.4 | 81.7 | 67.8 | 200 | 81.7 | |
| 1406 | L/K/D | 71.9 | 57.2 | 40.9 | 26.6 | 200 | 40.9 | |
| 1407 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1408 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1409 | L/K/D | 100.0 | 100.0 | 99.6 | 80.6 | 200 | 99.6 | |
| 1410 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1411 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1412 | L/K/D | 100.0 | 77.7 | 65.9 | 53.7 | 200 | 65.9 | |
| 1413 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1414 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1415 | BEDROOM | 100.0 | 100.0 | 100.0 | 99.1 | 100 | 100.0 | |
| 1416 | L/K/D | 69.9 | 56.1 | 45.1 | 31.8 | 200 | 45.1 | |
| 1417 | BEDROOM | 100.0 | 100.0 | 99.5 | 68.9 | 100 | 100.0 | |
| 1418 | L/K/D | 62.7 | 49.7 | 38.3 | 23.6 | 200 | 38.3 | |
| 1419 | BEDROOM | 100.0 | 100.0 | 100.0 | 94.7 | 100 | 100.0 | |
| 1420 | BEDROOM | 100.0 | 100.0 | 100.0 | 92.9 | 100 | 100.0 | |
| 1421 | L/K/D | 99.5 | 86.8 | 80.4 | 70.8 | 200 | 80.4 | |
| 1422 | BEDROOM | 100.0 | 100.0 | 98.7 | 58.4 | 100 | 100.0 | |
| 1423 | BEDROOM | 100.0 | 100.0 | 100.0 | 86.6 | 100 | 100.0 | |
| 1424 | L/K/D | 100.0 | 100.0 | 99.8 | 87.0 | 200 | 99.8 | |
| 1425 | BEDROOM | 100.0 | 100.0 | 100.0 | 93.3 | 100 | 100.0 | |

| ROOM REF. | ROOM USE | SUNLIGHT (Lat: 53.43 , Min Solar Alt: 11 ) | | | | | | ABOVE/ BELOW (-1 to 1) |
|---|---|---|---|---|---|---|---|---|
| | | 1 FEB | | 25 FEB | | 21 MAR | | |
| | | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | |
| BLOCK 07 - GROUND FLOOR | | | | | | | | |
| 1394 | L/K/D | 1.7 | 01:40 | 2.3 | 02:15 | 3.1 | 03:05 | |
| 1395 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1396 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1397 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1398 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1399 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1400 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1401 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1402 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1403 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1404 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1405 | L/K/D | 0.2 | 00:10 | 0.8 | 00:50 | 1.3 | 01:20 | |
| 1406 | L/K/D | 3.7 | 03:40 | 7.7 | 07:40 | 7.7 | 07:40 | |
| 1407 | BEDROOM | 3.4 | 03:25 | 5.2 | 05:10 | 4.9 | 04:55 | |
| 1408 | BEDROOM | 3.4 | 03:25 | 7.8 | 07:45 | 5.8 | 05:45 | |
| 1409 | L/K/D | 3.2 | 03:10 | 7.0 | 07:00 | 6.8 | 06:45 | |
| 1410 | BEDROOM | 2.5 | 02:30 | 4.1 | 04:05 | 5.6 | 05:35 | |
| 1411 | L/K/D | 3.3 | 03:20 | 6.5 | 06:30 | 8.6 | 08:35 | |
| 1412 | L/K/D | 3.7 | 03:40 | 5.7 | 05:40 | 5.7 | 05:40 | |
| 1413 | BEDROOM | 0.8 | 00:50 | 1.1 | 01:05 | 1.9 | 01:55 | |
| 1414 | BEDROOM | 1.8 | 01:50 | 2.3 | 02:15 | 2.4 | 02:25 | |
| 1415 | BEDROOM | 1.1 | 01:05 | 1.0 | 01:00 | 1.6 | 01:35 | |
| 1416 | L/K/D | 2.0 | 02:00 | 2.7 | 02:40 | 3.4 | 03:25 | |
| 1417 | BEDROOM | 1.8 | 01:50 | 3.8 | 03:50 | 3.6 | 03:35 | |
| 1418 | L/K/D | 0.0 | 00:00 | 0.5 | 00:30 | 1.2 | 01:10 | |
| 1419 | BEDROOM | 0.8 | 00:50 | 0.9 | 00:55 | 1.3 | 01:20 | |
| 1420 | BEDROOM | 1.8 | 01:50 | 2.1 | 02:05 | 2.3 | 02:15 | |
| 1421 | L/K/D | 2.2 | 02:10 | 2.7 | 02:40 | 3.4 | 03:25 | |
| 1422 | BEDROOM | 1.4 | 01:25 | 3.1 | 03:05 | 4.1 | 04:05 | |
| 1423 | BEDROOM | 1.9 | 01:55 | 3.8 | 03:50 | 4.2 | 04:10 | |
| 1424 | L/K/D | 2.8 | 02:50 | 3.5 | 03:30 | 3.6 | 03:35 | |
| 1425 | BEDROOM | 2.1 | 02:05 | 2.4 | 02:25 | 3.1 | 03:05 | |

| ROOM REF. | ROOM USE | DAYLIGHT<br>EN SPATIAL DAYLIGHT AUTONOMY<br>percentage of room achieving target illuminance for 2190 hrs (50% of daylit hours)<br>Weather File: IRL_Dublin | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 100 | 150 | 200 | 300 | BS EN17037:2018 TARGET | RELEVANT ENSDA | ABOVE/ BELOW (-25 to 25) |
| BLOCK 07 - FIRST FLOOR | | | | | | | | |
| 1426 | L/K/D | 100.0 | 99.4 | 84.4 | 43.6 | 200 | 84.4 | |
| 1427 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1428 | BEDROOM | 100.0 | 100.0 | 100.0 | 98.5 | 100 | 100.0 | |
| 1429 | BEDROOM | 100.0 | 100.0 | 100.0 | 83.6 | 100 | 100.0 | |
| 1430 | BEDROOM | 100.0 | 100.0 | 100.0 | 88.0 | 100 | 100.0 | |
| 1431 | BEDROOM | 100.0 | 100.0 | 100.0 | 84.0 | 100 | 100.0 | |
| 1432 | L/K/D | 99.4 | 73.3 | 64.8 | 47.1 | 200 | 64.8 | |
| 1433 | L/K/D | 100.0 | 100.0 | 98.6 | 78.8 | 200 | 98.6 | |
| 1434 | BEDROOM | 100.0 | 100.0 | 100.0 | 89.4 | 100 | 100.0 | |
| 1435 | BEDROOM | 100.0 | 100.0 | 100.0 | 84.3 | 100 | 100.0 | |
| 1436 | BEDROOM | 100.0 | 100.0 | 100.0 | 97.2 | 100 | 100.0 | |
| 1437 | L/K/D | 96.4 | 67.0 | 57.5 | 42.5 | 200 | 57.5 | |
| 1438 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1439 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1440 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1441 | L/K/D | 100.0 | 100.0 | 100.0 | 94.1 | 200 | 100.0 | |
| 1442 | BEDROOM | 100.0 | 100.0 | 94.0 | 54.4 | 100 | 100.0 | |
| 1443 | L/K/D | 68.1 | 45.2 | 33.5 | 23.4 | 200 | 33.5 | |
| 1444 | BEDROOM | 100.0 | 81.2 | 49.5 | 17.8 | 100 | 100.0 | |
| 1445 | BEDROOM | 100.0 | 76.8 | 44.4 | 18.2 | 100 | 100.0 | |
| 1446 | L/K/D | 100.0 | 80.8 | 68.9 | 56.5 | 200 | 68.9 | |
| 1447 | L/K/D | 99.7 | 78.5 | 67.9 | 54.2 | 200 | 67.9 | |
| 1448 | BEDROOM | 100.0 | 100.0 | 76.3 | 35.5 | 100 | 100.0 | |
| 1449 | BEDROOM | 100.0 | 100.0 | 79.2 | 43.4 | 100 | 100.0 | |
| 1450 | BEDROOM | 100.0 | 100.0 | 75.0 | 35.2 | 100 | 100.0 | |
| 1451 | L/K/D | 66.3 | 53.7 | 45.4 | 33.3 | 200 | 45.4 | |
| 1452 | L/K/D | 100.0 | 98.5 | 73.5 | 43.7 | 200 | 73.5 | |
| 1453 | BEDROOM | 94.5 | 52.5 | 32.2 | 15.8 | 100 | 94.5 | |
| 1454 | L/K/D | 74.5 | 62.1 | 52.5 | 36.5 | 200 | 52.5 | |
| 1455 | BEDROOM | 100.0 | 100.0 | 86.7 | 36.2 | 100 | 100.0 | |
| 1456 | BEDROOM | 100.0 | 100.0 | 97.4 | 46.5 | 100 | 100.0 | |
| 1457 | L/K/D | 100.0 | 100.0 | 100.0 | 94.4 | 200 | 100.0 | |
| 1458 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1459 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1460 | L/K/D | 86.5 | 62.1 | 49.3 | 32.6 | 200 | 49.3 | |
| 1461 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1462 | BEDROOM | 100.0 | 100.0 | 97.5 | 47.1 | 100 | 100.0 | |
| 1463 | L/K/D | 100.0 | 100.0 | 84.8 | 58.8 | 200 | 84.8 | |
| 1464 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1465 | L/K/D | 100.0 | 100.0 | 98.4 | 54.7 | 200 | 98.4 | |
| 1466 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1467 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1468 | L/K/D | 100.0 | 100.0 | 99.8 | 87.0 | 200 | 99.8 | |
| 1469 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1470 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1471 | L/K/D | 100.0 | 100.0 | 96.4 | 54.5 | 200 | 96.4 | |
| 1472 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1473 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1474 | L/K/D | 94.3 | 67.5 | 56.8 | 39.4 | 200 | 56.8 | |
| 1475 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1476 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1477 | BEDROOM | 100.0 | 100.0 | 100.0 | 99.0 | 100 | 100.0 | |
| 1478 | L/K/D | 100.0 | 100.0 | 95.5 | 73.5 | 200 | 95.5 | |
| 1479 | L/K/D | 100.0 | 100.0 | 93.1 | 76.4 | 200 | 93.1 | |
| 1480 | BEDROOM | 100.0 | 100.0 | 100.0 | 75.8 | 100 | 100.0 | |

| | | SUNLIGHT (Lat: 53.43 , Min Solar Alt: 11 ) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | 1 FEB | | 25 FEB | | 21 MAR | | ABOVE/ BELOW (-1 to 1) |
| | | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | |
| BLOCK 07 - FIRST FLOOR | | | | | | | | |
| 1426 | L/K/D | 2.6 | 02:35 | 3.5 | 03:30 | 4.5 | 04:30 | |
| 1427 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.7 | 00:40 | |
| 1428 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1429 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1430 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1431 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1432 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1433 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1434 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1435 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1436 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1437 | L/K/D | 0.6 | 00:35 | 1.2 | 01:10 | 1.7 | 01:40 | |
| 1438 | BEDROOM | 1.1 | 01:05 | 1.0 | 01:00 | 0.3 | 00:15 | |
| 1439 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1440 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1441 | L/K/D | 1.9 | 01:55 | 2.2 | 02:10 | 3.0 | 03:00 | |
| 1442 | BEDROOM | 1.9 | 01:55 | 2.2 | 02:10 | 2.8 | 02:50 | |
| 1443 | L/K/D | 1.9 | 01:55 | 2.2 | 02:10 | 2.8 | 02:45 | |
| 1444 | BEDROOM | 0.7 | 00:40 | 0.1 | 00:05 | 0.6 | 00:35 | |
| 1445 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.8 | 00:45 | |
| 1446 | L/K/D | 1.8 | 01:50 | 2.6 | 02:35 | 3.0 | 03:00 | |
| 1447 | L/K/D | 1.8 | 01:45 | 3.0 | 03:00 | 3.1 | 03:05 | |
| 1448 | BEDROOM | 1.0 | 01:00 | 0.6 | 00:35 | 0.6 | 00:35 | |
| 1449 | BEDROOM | 0.6 | 00:35 | 1.5 | 01:30 | 1.8 | 01:50 | |
| 1450 | BEDROOM | 0.0 | 00:00 | 0.1 | 00:05 | 1.5 | 01:30 | |
| 1451 | L/K/D | 0.6 | 00:35 | 2.5 | 02:30 | 4.0 | 04:00 | |
| 1452 | L/K/D | 0.0 | 00:00 | 0.7 | 00:40 | 2.3 | 02:20 | |
| 1453 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.4 | 00:25 | |
| 1454 | L/K/D | 0.3 | 00:15 | 2.1 | 02:05 | 4.0 | 04:00 | |
| 1455 | BEDROOM | 0.0 | 00:00 | 0.1 | 00:05 | 1.6 | 01:35 | |
| 1456 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.8 | 00:50 | |
| 1457 | L/K/D | 4.5 | 04:30 | 5.9 | 05:55 | 7.8 | 07:50 | |
| 1458 | BEDROOM | 4.8 | 04:45 | 6.2 | 06:10 | 6.3 | 06:15 | |
| 1459 | BEDROOM | 5.0 | 05:00 | 6.3 | 06:20 | 6.4 | 06:25 | |
| 1460 | L/K/D | 5.3 | 05:20 | 6.6 | 06:35 | 6.9 | 06:55 | |
| 1461 | BEDROOM | 5.6 | 05:35 | 6.6 | 06:35 | 5.8 | 05:45 | |
| 1462 | BEDROOM | 4.6 | 04:35 | 4.7 | 04:40 | 5.1 | 05:05 | |
| 1463 | L/K/D | 5.6 | 05:35 | 7.0 | 07:00 | 7.3 | 07:15 | |
| 1464 | BEDROOM | 5.1 | 05:05 | 6.3 | 06:15 | 4.8 | 04:50 | |
| 1465 | L/K/D | 5.5 | 05:30 | 6.8 | 06:50 | 5.7 | 05:40 | |
| 1466 | BEDROOM | 4.7 | 04:40 | 4.9 | 04:55 | 5.5 | 05:30 | |
| 1467 | BEDROOM | 5.3 | 05:20 | 7.6 | 07:35 | 7.8 | 07:45 | |
| 1468 | L/K/D | 4.6 | 04:35 | 7.9 | 07:55 | 8.0 | 08:00 | |
| 1469 | BEDROOM | 4.3 | 04:20 | 6.8 | 06:50 | 4.9 | 04:55 | |
| 1470 | BEDROOM | 4.3 | 04:15 | 7.7 | 07:40 | 5.1 | 05:05 | |
| 1471 | L/K/D | 4.0 | 04:00 | 7.3 | 07:15 | 6.4 | 06:25 | |
| 1472 | BEDROOM | 3.1 | 03:05 | 5.0 | 05:00 | 5.6 | 05:35 | |
| 1473 | L/K/D | 3.8 | 03:50 | 7.9 | 07:55 | 9.7 | 09:40 | |
| 1474 | L/K/D | 5.7 | 05:40 | 6.3 | 06:20 | 6.8 | 06:45 | |
| 1475 | BEDROOM | 1.2 | 01:10 | 2.0 | 02:00 | 3.1 | 03:05 | |
| 1476 | BEDROOM | 2.5 | 02:30 | 3.0 | 03:00 | 3.3 | 03:20 | |
| 1477 | BEDROOM | 1.4 | 01:25 | 1.8 | 01:50 | 2.8 | 02:45 | |
| 1478 | L/K/D | 2.9 | 02:55 | 3.8 | 03:50 | 4.8 | 04:45 | |
| 1479 | L/K/D | 3.3 | 03:15 | 4.2 | 04:10 | 4.8 | 04:45 | |
| 1480 | BEDROOM | 0.1 | 00:05 | 1.1 | 01:05 | 2.2 | 02:10 | |

| ROOM REF. | ROOM USE | DAYLIGHT<br>EN SPATIAL DAYLIGHT AUTONOMY<br>percentage of room achieving target illuminance for 2190 hrs (50% of daylit hours)<br>Weather File: IRL_Dublin | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 100 | 150 | 200 | 300 | BS EN17037:2018 TARGET | RELEVANT ENSDA | ABOVE/ BELOW (-25 to 25) |
| 1481 | BEDROOM | 100.0 | 100.0 | 100.0 | 92.0 | 100 | 100.0 | |
| 1482 | BEDROOM | 100.0 | 100.0 | 100.0 | 81.0 | 100 | 100.0 | |
| 1483 | L/K/D | 84.5 | 69.4 | 62.4 | 50.1 | 200 | 62.4 | |
| 1484 | BEDROOM | 79.6 | 52.2 | 36.6 | 17.2 | 100 | 79.6 | |
| 1485 | L/K/D | 100.0 | 79.8 | 63.5 | 44.7 | 200 | 63.5 | |
| 1486 | BEDROOM | 100.0 | 100.0 | 95.8 | 51.9 | 100 | 100.0 | |
| 1487 | BEDROOM | 100.0 | 100.0 | 100.0 | 68.9 | 100 | 100.0 | |
| 1488 | L/K/D | 100.0 | 80.5 | 61.8 | 40.6 | 200 | 61.8 | |
| 1489 | BEDROOM | 100.0 | 77.0 | 60.6 | 41.3 | 100 | 100.0 | |
| 1490 | L/K/D | 42.3 | 26.7 | 18.0 | 7.9 | 200 | 18.0 | |
| 1491 | BEDROOM | 100.0 | 78.4 | 60.8 | 39.8 | 100 | 100.0 | |
| 1492 | L/K/D | 64.6 | 47.8 | 36.0 | 22.3 | 200 | 36.0 | |
| 1493 | BEDROOM | 100.0 | 95.0 | 70.0 | 41.7 | 100 | 100.0 | |
| 1494 | L/K/D | 81.7 | 52.5 | 37.1 | 17.5 | 200 | 37.1 | |
| 1495 | BEDROOM | 100.0 | 65.8 | 45.0 | 22.5 | 100 | 100.0 | |
| 1496 | BEDROOM | 99.6 | 78.7 | 46.6 | 22.1 | 100 | 99.6 | |
| 1497 | BEDROOM | 30.0 | 18.3 | 11.7 | 6.7 | 100 | 30.0 | |
| 1498 | L/K/D | 100.0 | 100.0 | 86.5 | 43.1 | 200 | 86.5 | |
| 1499 | BEDROOM | 100.0 | 100.0 | 100.0 | 83.3 | 100 | 100.0 | |
| 1500 | BEDROOM | 100.0 | 100.0 | 100.0 | 79.4 | 100 | 100.0 | |
| 1501 | BEDROOM | 100.0 | 100.0 | 88.1 | 43.7 | 100 | 100.0 | |
| 1502 | L/K/D | 48.8 | 28.8 | 19.1 | 9.6 | 200 | 19.1 | |
| 1503 | BEDROOM | 100.0 | 86.7 | 55.8 | 27.4 | 100 | 100.0 | |
| 1504 | BEDROOM | 100.0 | 100.0 | 88.9 | 63.0 | 100 | 100.0 | |
| 1505 | BEDROOM | 100.0 | 88.6 | 63.3 | 38.4 | 100 | 100.0 | |
| 1506 | L/K/D | 61.3 | 43.1 | 33.0 | 19.5 | 200 | 33.0 | |
| 1507 | BEDROOM | 100.0 | 100.0 | 93.8 | 60.5 | 100 | 100.0 | |
| 1508 | BEDROOM | 100.0 | 100.0 | 100.0 | 70.2 | 100 | 100.0 | |
| 1509 | BEDROOM | 100.0 | 100.0 | 100.0 | 74.5 | 100 | 100.0 | |
| 1510 | L/K/D | 100.0 | 97.9 | 70.0 | 42.8 | 200 | 70.0 | |
| 1511 | L/K/D | 100.0 | 79.0 | 54.5 | 28.3 | 200 | 54.5 | |
| 1512 | BEDROOM | 100.0 | 100.0 | 100.0 | 69.2 | 100 | 100.0 | |
| 1513 | L/K/D | 62.4 | 45.1 | 33.5 | 19.3 | 200 | 33.5 | |
| 1514 | BEDROOM | 82.2 | 43.4 | 25.6 | 11.6 | 100 | 82.2 | |
| 1515 | BEDROOM | 100.0 | 93.3 | 60.5 | 33.6 | 100 | 100.0 | |
| 1516 | BEDROOM | 100.0 | 100.0 | 100.0 | 67.1 | 100 | 100.0 | |
| 1517 | BEDROOM | 99.1 | 59.7 | 40.3 | 25.6 | 100 | 99.1 | |
| 1518 | L/K/D | 100.0 | 100.0 | 99.8 | 79.6 | 200 | 99.8 | |
| 1519 | BEDROOM | 100.0 | 100.0 | 100.0 | 78.4 | 100 | 100.0 | |
| 1520 | BEDROOM | 100.0 | 100.0 | 100.0 | 93.3 | 100 | 100.0 | |
| 1521 | L/K/D | 100.0 | 98.4 | 75.7 | 50.2 | 200 | 75.7 | |
| 1522 | L/K/D | 70.4 | 52.7 | 40.8 | 24.6 | 200 | 40.8 | |
| 1523 | BEDROOM | 100.0 | 100.0 | 99.1 | 74.1 | 100 | 100.0 | |
| 1524 | BEDROOM | 100.0 | 100.0 | 97.0 | 66.7 | 100 | 100.0 | |
| 1525 | L/K/D | 60.1 | 42.1 | 30.5 | 15.8 | 200 | 30.5 | |
| 1526 | BEDROOM | 100.0 | 100.0 | 86.1 | 41.7 | 100 | 100.0 | |
| 1527 | BEDROOM | 100.0 | 100.0 | 99.1 | 50.0 | 100 | 100.0 | |
| 1528 | BEDROOM | 100.0 | 100.0 | 97.3 | 52.3 | 100 | 100.0 | |
| 1529 | BEDROOM | 100.0 | 100.0 | 100.0 | 70.1 | 100 | 100.0 | |
| 1530 | L/K/D | 100.0 | 100.0 | 100.0 | 88.3 | 200 | 100.0 | |
| 1531 | BEDROOM | 100.0 | 100.0 | 79.4 | 34.9 | 100 | 100.0 | |

| | | SUNLIGHT (Lat: 53.43 , Min Solar Alt: 11 ) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | 1 FEB | | 25 FEB | | 21 MAR | | ABOVE/ BELOW (-1 to 1) |
| | | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | |
| 1481 | BEDROOM | 1.2 | 01:10 | 1.6 | 01:35 | 2.3 | 02:15 | |
| 1482 | BEDROOM | 2.3 | 02:15 | 2.8 | 02:50 | 3.1 | 03:05 | |
| 1483 | L/K/D | 2.9 | 02:55 | 3.8 | 03:50 | 4.7 | 04:40 | |
| 1484 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1485 | L/K/D | 0.0 | 00:00 | 0.7 | 00:40 | 2.3 | 02:20 | |
| 1486 | BEDROOM | 0.0 | 00:00 | 0.6 | 00:35 | 1.8 | 01:50 | |
| 1487 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1488 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 1.0 | 01:00 | |
| 1489 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1490 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1491 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1492 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1493 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1494 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1495 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1496 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1497 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1498 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1499 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1500 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1501 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1502 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1503 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1504 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1505 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.7 | 00:40 | |
| 1506 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 1.3 | 01:15 | |
| 1507 | BEDROOM | 0.0 | 00:00 | 0.5 | 00:30 | 1.6 | 01:35 | |
| 1508 | BEDROOM | 0.0 | 00:00 | 0.8 | 00:45 | 2.9 | 02:55 | |
| 1509 | BEDROOM | 0.0 | 00:00 | 1.0 | 01:00 | 3.3 | 03:20 | |
| 1510 | L/K/D | 0.0 | 00:00 | 2.4 | 02:25 | 3.4 | 03:25 | |
| 1511 | L/K/D | 0.6 | 00:35 | 1.3 | 01:20 | 1.8 | 01:45 | |
| 1512 | BEDROOM | 0.7 | 00:40 | 1.3 | 01:20 | 1.9 | 01:55 | |
| 1513 | L/K/D | 1.9 | 01:55 | 2.7 | 02:40 | 4.2 | 04:10 | |
| 1514 | BEDROOM | 1.0 | 01:00 | 1.5 | 01:30 | 1.6 | 01:35 | |
| 1515 | BEDROOM | 1.4 | 01:25 | 2.5 | 02:30 | 2.6 | 02:35 | |
| 1516 | BEDROOM | 1.7 | 01:40 | 2.4 | 02:25 | 0.6 | 00:35 | |
| 1517 | BEDROOM | 0.4 | 00:25 | 1.2 | 01:10 | 1.7 | 01:40 | |
| 1518 | L/K/D | 2.0 | 02:00 | 4.3 | 04:15 | 6.6 | 06:35 | |
| 1519 | BEDROOM | 1.6 | 01:35 | 4.1 | 04:05 | 6.2 | 06:10 | |
| 1520 | BEDROOM | 1.6 | 01:35 | 3.8 | 03:45 | 5.9 | 05:55 | |
| 1521 | L/K/D | 1.7 | 01:40 | 3.8 | 03:45 | 6.1 | 06:05 | |
| 1522 | L/K/D | 1.6 | 01:35 | 3.8 | 03:50 | 6.3 | 06:20 | |
| 1523 | BEDROOM | 1.3 | 01:15 | 3.7 | 03:40 | 5.5 | 05:30 | |
| 1524 | BEDROOM | 1.0 | 01:00 | 3.5 | 03:30 | 5.3 | 05:15 | |
| 1525 | L/K/D | 0.8 | 00:45 | 3.4 | 03:25 | 5.7 | 05:40 | |
| 1526 | BEDROOM | 0.9 | 00:55 | 2.9 | 02:55 | 5.3 | 05:20 | |
| 1527 | BEDROOM | 1.5 | 01:30 | 2.8 | 02:45 | 5.1 | 05:05 | |
| 1528 | BEDROOM | 2.2 | 02:10 | 3.3 | 03:15 | 5.5 | 05:30 | |
| 1529 | BEDROOM | 2.8 | 02:50 | 3.8 | 03:50 | 5.8 | 05:50 | |
| 1530 | L/K/D | 3.8 | 03:50 | 3.8 | 03:45 | 4.6 | 04:35 | |
| 1531 | BEDROOM | 2.3 | 02:20 | 3.1 | 03:05 | 4.0 | 04:00 | |

| ROOM REF. | ROOM USE | DAYLIGHT<br>EN SPATIAL DAYLIGHT AUTONOMY<br>percentage of room achieving target illuminance for 2190 hrs (50% of daylit hours)<br>Weather File: IRL_Dublin | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 100 | 150 | 200 | 300 | BS EN17037:2018 TARGET | RELEVANT ENSDA | ABOVE/ BELOW (-25 to 25) |
| BLOCK 07 - SECOND FLOOR | | | | | | | | |
| 1532 | L/K/D | 100.0 | 100.0 | 97.7 | 49.4 | 200 | 97.7 | |
| 1533 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1534 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1535 | BEDROOM | 100.0 | 100.0 | 100.0 | 93.9 | 100 | 100.0 | |
| 1536 | BEDROOM | 100.0 | 100.0 | 100.0 | 68.4 | 100 | 100.0 | |
| 1537 | BEDROOM | 100.0 | 100.0 | 100.0 | 63.9 | 100 | 100.0 | |
| 1538 | L/K/D | 99.8 | 76.4 | 66.6 | 49.7 | 200 | 66.6 | |
| 1539 | L/K/D | 100.0 | 100.0 | 99.7 | 80.7 | 200 | 99.7 | |
| 1540 | BEDROOM | 100.0 | 100.0 | 100.0 | 44.2 | 100 | 100.0 | |
| 1541 | BEDROOM | 100.0 | 100.0 | 100.0 | 41.7 | 100 | 100.0 | |
| 1542 | BEDROOM | 100.0 | 100.0 | 100.0 | 57.4 | 100 | 100.0 | |
| 1543 | L/K/D | 99.7 | 69.5 | 58.9 | 45.0 | 200 | 58.9 | |
| 1544 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1545 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1546 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1547 | L/K/D | 100.0 | 100.0 | 100.0 | 94.1 | 200 | 100.0 | |
| 1548 | BEDROOM | 100.0 | 100.0 | 100.0 | 64.8 | 100 | 100.0 | |
| 1549 | L/K/D | 74.4 | 52.0 | 39.2 | 26.4 | 200 | 39.2 | |
| 1550 | BEDROOM | 100.0 | 70.3 | 36.6 | 9.9 | 100 | 100.0 | |
| 1551 | BEDROOM | 100.0 | 59.6 | 32.3 | 9.1 | 100 | 100.0 | |
| 1552 | L/K/D | 100.0 | 88.1 | 73.0 | 59.5 | 200 | 73.0 | |
| 1553 | L/K/D | 100.0 | 85.4 | 71.6 | 58.2 | 200 | 71.6 | |
| 1554 | BEDROOM | 100.0 | 94.6 | 54.8 | 15.1 | 100 | 100.0 | |
| 1555 | BEDROOM | 100.0 | 95.3 | 60.4 | 22.6 | 100 | 100.0 | |
| 1556 | BEDROOM | 100.0 | 92.6 | 51.9 | 17.6 | 100 | 100.0 | |
| 1557 | L/K/D | 69.0 | 56.3 | 47.7 | 35.5 | 200 | 47.7 | |
| 1558 | L/K/D | 100.0 | 99.3 | 76.5 | 44.4 | 200 | 76.5 | |
| 1559 | BEDROOM | 97.9 | 75.7 | 47.2 | 22.2 | 100 | 97.9 | |
| 1560 | L/K/D | 67.4 | 53.9 | 45.2 | 32.2 | 200 | 45.2 | |
| 1561 | BEDROOM | 100.0 | 98.1 | 58.1 | 18.1 | 100 | 100.0 | |
| 1562 | BEDROOM | 100.0 | 100.0 | 78.1 | 27.2 | 100 | 100.0 | |
| 1563 | L/K/D | 100.0 | 100.0 | 100.0 | 97.1 | 200 | 100.0 | |
| 1564 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1565 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1566 | L/K/D | 96.7 | 64.0 | 51.1 | 34.2 | 200 | 51.1 | |
| 1567 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1568 | BEDROOM | 100.0 | 100.0 | 78.2 | 27.7 | 100 | 100.0 | |
| 1569 | L/K/D | 100.0 | 100.0 | 90.5 | 60.4 | 200 | 90.5 | |
| 1570 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1571 | BEDROOM | 100.0 | 100.0 | 100.0 | 97.9 | 100 | 100.0 | |
| 1572 | L/K/D | 100.0 | 100.0 | 100.0 | 91.5 | 200 | 100.0 | |
| 1573 | L/K/D | 100.0 | 100.0 | 96.4 | 61.3 | 200 | 96.4 | |
| 1574 | BEDROOM | 100.0 | 100.0 | 100.0 | 91.6 | 100 | 100.0 | |
| 1575 | BEDROOM | 100.0 | 100.0 | 100.0 | 98.2 | 100 | 100.0 | |
| 1576 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1577 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1578 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1579 | L/K/D | 100.0 | 83.2 | 67.5 | 53.2 | 200 | 67.5 | |
| 1580 | BEDROOM | 100.0 | 100.0 | 100.0 | 82.9 | 100 | 100.0 | |
| 1581 | BEDROOM | 100.0 | 100.0 | 100.0 | 86.5 | 100 | 100.0 | |
| 1582 | BEDROOM | 100.0 | 100.0 | 100.0 | 74.2 | 100 | 100.0 | |
| 1583 | L/K/D | 100.0 | 100.0 | 100.0 | 83.5 | 200 | 100.0 | |
| 1584 | L/K/D | 100.0 | 100.0 | 100.0 | 84.4 | 200 | 100.0 | |
| 1585 | BEDROOM | 100.0 | 100.0 | 100.0 | 50.5 | 100 | 100.0 | |
| 1586 | BEDROOM | 100.0 | 100.0 | 100.0 | 80.4 | 100 | 100.0 | |

| | | SUNLIGHT (Lat: 53.43 , Min Solar Alt: 11 ) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | 1 FEB | | 25 FEB | | 21 MAR | | ABOVE/ BELOW (-1 to 1) |
| | | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | |
| BLOCK 07 - SECOND FLOOR | | | | | | | | |
| 1532 | L/K/D | 3.2 | 03:10 | 4.1 | 04:05 | 5.0 | 05:00 | |
| 1533 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.5 | 00:30 | |
| 1534 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1535 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1536 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1537 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1538 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1539 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1540 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1541 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1542 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1543 | L/K/D | 0.9 | 00:55 | 1.5 | 01:30 | 2.2 | 02:10 | |
| 1544 | BEDROOM | 1.2 | 01:10 | 0.5 | 00:30 | 0.5 | 00:30 | |
| 1545 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1546 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1547 | L/K/D | 1.8 | 01:50 | 2.3 | 02:20 | 3.3 | 03:15 | |
| 1548 | BEDROOM | 1.9 | 01:55 | 2.4 | 02:25 | 3.3 | 03:15 | |
| 1549 | L/K/D | 1.9 | 01:55 | 2.4 | 02:25 | 3.1 | 03:05 | |
| 1550 | BEDROOM | 0.4 | 00:25 | 0.0 | 00:00 | 0.8 | 00:50 | |
| 1551 | BEDROOM | 0.0 | 00:00 | 0.1 | 00:05 | 0.8 | 00:50 | |
| 1552 | L/K/D | 1.9 | 01:55 | 2.6 | 02:35 | 3.7 | 03:40 | |
| 1553 | L/K/D | 1.9 | 01:55 | 3.0 | 03:00 | 3.3 | 03:20 | |
| 1554 | BEDROOM | 0.8 | 00:50 | 0.1 | 00:05 | 0.6 | 00:35 | |
| 1555 | BEDROOM | 0.8 | 00:50 | 1.3 | 01:15 | 1.3 | 01:15 | |
| 1556 | BEDROOM | 0.0 | 00:00 | 0.4 | 00:25 | 1.4 | 01:25 | |
| 1557 | L/K/D | 1.6 | 01:35 | 2.9 | 02:55 | 4.0 | 04:00 | |
| 1558 | L/K/D | 0.0 | 00:00 | 0.9 | 00:55 | 2.3 | 02:20 | |
| 1559 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.3 | 00:15 | |
| 1560 | L/K/D | 0.5 | 00:30 | 2.8 | 02:50 | 4.0 | 04:00 | |
| 1561 | BEDROOM | 0.0 | 00:00 | 0.8 | 00:50 | 1.6 | 01:35 | |
| 1562 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 1.3 | 01:20 | |
| 1563 | L/K/D | 4.8 | 04:45 | 6.4 | 06:25 | 8.2 | 08:10 | |
| 1564 | BEDROOM | 4.9 | 04:55 | 6.4 | 06:25 | 7.5 | 07:30 | |
| 1565 | BEDROOM | 5.1 | 05:05 | 6.7 | 06:40 | 7.4 | 07:25 | |
| 1566 | L/K/D | 5.3 | 05:20 | 6.8 | 06:50 | 7.5 | 07:30 | |
| 1567 | BEDROOM | 5.6 | 05:35 | 6.9 | 06:55 | 4.6 | 04:35 | |
| 1568 | BEDROOM | 4.6 | 04:35 | 4.8 | 04:50 | 4.4 | 04:25 | |
| 1569 | L/K/D | 5.9 | 05:55 | 7.3 | 07:20 | 7.7 | 07:40 | |
| 1570 | BEDROOM | 5.2 | 05:10 | 5.8 | 05:45 | 2.3 | 02:20 | |
| 1571 | BEDROOM | 5.9 | 05:55 | 6.8 | 06:45 | 3.3 | 03:15 | |
| 1572 | L/K/D | 5.9 | 05:55 | 7.7 | 07:40 | 8.3 | 08:15 | |
| 1573 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 8.3 | 08:15 | |
| 1574 | BEDROOM | 4.8 | 04:45 | 6.3 | 06:15 | 3.0 | 03:00 | |
| 1575 | BEDROOM | 5.9 | 05:55 | 7.1 | 07:05 | 3.0 | 03:00 | |
| 1576 | BEDROOM | 5.9 | 05:55 | 7.3 | 07:15 | 4.3 | 04:15 | |
| 1577 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 9.8 | 09:45 | |
| 1578 | BEDROOM | 3.3 | 03:15 | 4.3 | 04:15 | 5.2 | 05:10 | |
| 1579 | L/K/D | 5.7 | 05:40 | 6.5 | 06:30 | 7.2 | 07:10 | |
| 1580 | BEDROOM | 1.3 | 01:15 | 2.1 | 02:05 | 2.3 | 02:15 | |
| 1581 | BEDROOM | 1.8 | 01:50 | 2.1 | 02:05 | 2.3 | 02:15 | |
| 1582 | BEDROOM | 0.7 | 00:40 | 1.8 | 01:50 | 2.3 | 02:15 | |
| 1583 | L/K/D | 3.3 | 03:15 | 4.3 | 04:15 | 5.1 | 05:05 | |
| 1584 | L/K/D | 3.3 | 03:15 | 4.3 | 04:15 | 5.3 | 05:20 | |
| 1585 | BEDROOM | 0.1 | 00:05 | 1.3 | 01:20 | 2.3 | 02:15 | |
| 1586 | BEDROOM | 0.5 | 00:30 | 1.4 | 01:25 | 2.3 | 02:15 | |

| ROOM REF. | ROOM USE | DAYLIGHT<br>EN SPATIAL DAYLIGHT AUTONOMY<br>percentage of room achieving target illuminance for 2190 hrs (50% of daylit hours)<br>Weather File: IRL_Dublin | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 100 | 150 | 200 | 300 | BS EN17037:2018 TARGET | RELEVANT ENSDA | ABOVE/ BELOW (-25 to 25) |
| 1587 | BEDROOM | 100.0 | 100.0 | 100.0 | 61.5 | 100 | 100.0 | |
| 1588 | L/K/D | 100.0 | 100.0 | 88.3 | 73.4 | 200 | 88.3 | |
| 1589 | BEDROOM | 100.0 | 100.0 | 100.0 | 70.8 | 100 | 100.0 | |
| 1590 | L/K/D | 99.6 | 70.6 | 58.2 | 39.8 | 200 | 58.2 | |
| 1591 | BEDROOM | 100.0 | 100.0 | 100.0 | 79.7 | 100 | 100.0 | |
| 1592 | BEDROOM | 100.0 | 100.0 | 100.0 | 83.0 | 100 | 100.0 | |
| 1593 | BEDROOM | 100.0 | 100.0 | 100.0 | 83.0 | 100 | 100.0 | |
| 1594 | L/K/D | 100.0 | 98.5 | 73.5 | 47.8 | 200 | 73.5 | |
| 1595 | BEDROOM | 100.0 | 96.8 | 71.6 | 47.7 | 100 | 100.0 | |
| 1596 | L/K/D | 53.0 | 36.3 | 23.9 | 11.7 | 200 | 23.9 | |
| 1597 | BEDROOM | 100.0 | 92.9 | 70.6 | 45.9 | 100 | 100.0 | |
| 1598 | L/K/D | 69.4 | 59.9 | 47.8 | 29.3 | 200 | 47.8 | |
| 1599 | BEDROOM | 100.0 | 97.5 | 74.2 | 47.5 | 100 | 100.0 | |
| 1600 | L/K/D | 97.1 | 65.8 | 48.3 | 27.1 | 200 | 48.3 | |
| 1601 | BEDROOM | 100.0 | 92.5 | 64.5 | 39.3 | 100 | 100.0 | |
| 1602 | BEDROOM | 100.0 | 93.6 | 62.2 | 28.9 | 100 | 100.0 | |
| 1603 | BEDROOM | 38.8 | 12.0 | 3.3 | 0.0 | 100 | 38.8 | |
| 1604 | BEDROOM | 82.1 | 50.5 | 36.8 | 22.1 | 100 | 82.1 | |
| 1605 | L/K/D | 100.0 | 100.0 | 97.6 | 57.3 | 200 | 97.6 | |
| 1606 | BEDROOM | 100.0 | 100.0 | 100.0 | 95.8 | 100 | 100.0 | |
| 1607 | BEDROOM | 100.0 | 100.0 | 100.0 | 93.7 | 100 | 100.0 | |
| 1608 | BEDROOM | 100.0 | 100.0 | 99.2 | 50.0 | 100 | 100.0 | |
| 1609 | L/K/D | 58.4 | 34.2 | 22.8 | 11.2 | 200 | 22.8 | |
| 1610 | BEDROOM | 100.0 | 100.0 | 70.8 | 34.5 | 100 | 100.0 | |
| 1611 | BEDROOM | 100.0 | 100.0 | 98.1 | 77.8 | 100 | 100.0 | |
| 1612 | L/K/D | 100.0 | 100.0 | 81.2 | 51.1 | 200 | 81.2 | |
| 1613 | L/K/D | 68.7 | 51.9 | 40.2 | 24.9 | 200 | 40.2 | |
| 1614 | BEDROOM | 100.0 | 100.0 | 100.0 | 71.3 | 100 | 100.0 | |
| 1615 | BEDROOM | 100.0 | 100.0 | 100.0 | 82.6 | 100 | 100.0 | |
| 1616 | BEDROOM | 100.0 | 100.0 | 100.0 | 88.2 | 100 | 100.0 | |
| 1617 | L/K/D | 100.0 | 99.6 | 81.3 | 50.5 | 200 | 81.3 | |
| 1618 | L/K/D | 89.0 | 77.2 | 57.8 | 32.9 | 200 | 57.8 | |
| 1619 | BEDROOM | 100.0 | 100.0 | 100.0 | 79.8 | 100 | 100.0 | |
| 1620 | BEDROOM | 100.0 | 100.0 | 100.0 | 77.5 | 100 | 100.0 | |
| 1621 | L/K/D | 72.8 | 54.5 | 42.9 | 26.6 | 200 | 42.9 | |
| 1622 | BEDROOM | 99.2 | 57.4 | 34.1 | 14.7 | 100 | 99.2 | |
| 1623 | BEDROOM | 100.0 | 100.0 | 90.8 | 47.1 | 100 | 100.0 | |
| 1624 | BEDROOM | 100.0 | 100.0 | 100.0 | 98.7 | 100 | 100.0 | |
| 1625 | BEDROOM | 100.0 | 100.0 | 100.0 | 93.2 | 100 | 100.0 | |
| 1626 | L/K/D | 100.0 | 100.0 | 100.0 | 92.1 | 200 | 100.0 | |
| 1627 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1628 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1629 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1630 | L/K/D | 100.0 | 100.0 | 88.2 | 60.0 | 200 | 88.2 | |
| 1631 | L/K/D | 78.9 | 58.2 | 47.6 | 30.2 | 200 | 47.6 | |
| 1632 | BEDROOM | 100.0 | 100.0 | 100.0 | 83.3 | 100 | 100.0 | |
| 1633 | BEDROOM | 100.0 | 100.0 | 100.0 | 74.1 | 100 | 100.0 | |
| 1634 | L/K/D | 71.7 | 52.2 | 40.2 | 23.0 | 200 | 40.2 | |
| 1635 | BEDROOM | 100.0 | 100.0 | 100.0 | 52.8 | 100 | 100.0 | |
| 1636 | BEDROOM | 100.0 | 100.0 | 100.0 | 71.3 | 100 | 100.0 | |
| 1637 | BEDROOM | 100.0 | 100.0 | 100.0 | 64.4 | 100 | 100.0 | |
| 1638 | BEDROOM | 100.0 | 100.0 | 100.0 | 88.5 | 100 | 100.0 | |
| 1639 | L/K/D | 100.0 | 100.0 | 100.0 | 91.4 | 200 | 100.0 | |
| 1640 | BEDROOM | 100.0 | 100.0 | 100.0 | 46.0 | 100 | 100.0 | |

| | | SUNLIGHT (Lat: 53.43 , Min Solar Alt: 11 ) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | 1 FEB | | 25 FEB | | 21 MAR | | ABOVE/ BELOW (-1 to 1) |
| | | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | |
| 1587 | BEDROOM | 1.8 | 01:50 | 2.1 | 02:05 | 2.3 | 02:15 | |
| 1588 | L/K/D | 3.3 | 03:15 | 4.3 | 04:15 | 5.1 | 05:05 | |
| 1589 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1590 | L/K/D | 0.3 | 00:15 | 1.0 | 01:00 | 2.8 | 02:45 | |
| 1591 | BEDROOM | 0.0 | 00:00 | 1.1 | 01:05 | 2.6 | 02:35 | |
| 1592 | BEDROOM | 0.0 | 00:00 | 0.2 | 00:10 | 2.0 | 02:00 | |
| 1593 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.5 | 00:30 | |
| 1594 | L/K/D | 0.0 | 00:00 | 0.1 | 00:05 | 1.5 | 01:30 | |
| 1595 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.3 | 00:20 | |
| 1596 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.8 | 00:45 | |
| 1597 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1598 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1599 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1600 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1601 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1602 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1603 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1604 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1605 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1606 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1607 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1608 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1609 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1610 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1611 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.1 | 00:05 | |
| 1612 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 1.2 | 01:10 | |
| 1613 | L/K/D | 0.0 | 00:00 | 0.4 | 00:25 | 2.1 | 02:05 | |
| 1614 | BEDROOM | 0.0 | 00:00 | 0.9 | 00:55 | 2.0 | 02:00 | |
| 1615 | BEDROOM | 0.0 | 00:00 | 1.6 | 01:35 | 3.3 | 03:20 | |
| 1616 | BEDROOM | 0.1 | 00:05 | 2.8 | 02:50 | 3.8 | 03:45 | |
| 1617 | L/K/D | 0.7 | 00:40 | 3.0 | 03:00 | 3.8 | 03:50 | |
| 1618 | L/K/D | 1.3 | 01:20 | 1.8 | 01:45 | 2.2 | 02:10 | |
| 1619 | BEDROOM | 1.4 | 01:25 | 1.8 | 01:45 | 2.3 | 02:20 | |
| 1620 | BEDROOM | 1.4 | 01:25 | 2.6 | 02:35 | 4.2 | 04:10 | |
| 1621 | L/K/D | 2.3 | 02:20 | 3.0 | 03:00 | 4.3 | 04:15 | |
| 1622 | BEDROOM | 1.4 | 01:25 | 1.8 | 01:50 | 1.6 | 01:35 | |
| 1623 | BEDROOM | 1.8 | 01:45 | 2.8 | 02:45 | 2.6 | 02:35 | |
| 1624 | BEDROOM | 2.3 | 02:20 | 2.5 | 02:30 | 2.3 | 02:15 | |
| 1625 | BEDROOM | 0.8 | 00:50 | 1.5 | 01:30 | 2.1 | 02:05 | |
| 1626 | L/K/D | 3.5 | 03:30 | 5.2 | 05:10 | 7.7 | 07:40 | |
| 1627 | BEDROOM | 3.2 | 03:10 | 4.9 | 04:55 | 7.4 | 07:25 | |
| 1628 | BEDROOM | 3.0 | 03:00 | 4.8 | 04:50 | 7.1 | 07:05 | |
| 1629 | BEDROOM | 2.8 | 02:45 | 4.6 | 04:35 | 7.1 | 07:05 | |
| 1630 | L/K/D | 2.6 | 02:35 | 4.6 | 04:35 | 7.4 | 07:25 | |
| 1631 | L/K/D | 2.3 | 02:15 | 4.5 | 04:30 | 7.6 | 07:35 | |
| 1632 | BEDROOM | 1.8 | 01:45 | 4.1 | 04:05 | 6.7 | 06:40 | |
| 1633 | BEDROOM | 1.4 | 01:25 | 3.8 | 03:50 | 6.4 | 06:25 | |
| 1634 | L/K/D | 1.3 | 01:15 | 3.9 | 03:55 | 6.9 | 06:55 | |
| 1635 | BEDROOM | 0.9 | 00:55 | 3.4 | 03:25 | 6.4 | 06:25 | |
| 1636 | BEDROOM | 1.5 | 01:30 | 3.5 | 03:30 | 6.1 | 06:05 | |
| 1637 | BEDROOM | 2.2 | 02:10 | 3.7 | 03:40 | 6.4 | 06:25 | |
| 1638 | BEDROOM | 2.8 | 02:50 | 4.1 | 04:05 | 6.6 | 06:35 | |
| 1639 | L/K/D | 3.2 | 03:10 | 4.1 | 04:05 | 5.0 | 05:00 | |
| 1640 | BEDROOM | 2.7 | 02:40 | 3.8 | 03:45 | 4.7 | 04:40 | |

| ROOM REF. | ROOM USE | DAYLIGHT<br>EN SPATIAL DAYLIGHT AUTONOMY<br>percentage of room achieving target illuminance for 2190 hrs (50% of daylit hours)<br>Weather File: IRL_Dublin | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 100 | 150 | 200 | 300 | BS EN17037:2018 TARGET | RELEVANT ENSDA | ABOVE/ BELOW (-25 to 25) |
| BLOCK 07 - THIRD FLOOR | | | | | | | | |
| 1641 | L/K/D | 100.0 | 100.0 | 100.0 | 97.1 | 200 | 100.0 | |
| 1642 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1643 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1644 | BEDROOM | 100.0 | 100.0 | 100.0 | 99.5 | 100 | 100.0 | |
| 1645 | BEDROOM | 100.0 | 100.0 | 100.0 | 99.1 | 100 | 100.0 | |
| 1646 | BEDROOM | 100.0 | 100.0 | 100.0 | 85.7 | 100 | 100.0 | |
| 1647 | L/K/D | 100.0 | 81.6 | 67.8 | 54.6 | 200 | 67.8 | |
| 1648 | L/K/D | 100.0 | 100.0 | 100.0 | 83.3 | 200 | 100.0 | |
| 1649 | BEDROOM | 100.0 | 100.0 | 100.0 | 95.2 | 100 | 100.0 | |
| 1650 | BEDROOM | 100.0 | 100.0 | 100.0 | 93.1 | 100 | 100.0 | |
| 1651 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1652 | L/K/D | 100.0 | 74.8 | 62.5 | 48.9 | 200 | 62.5 | |
| 1653 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1654 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1655 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1656 | L/K/D | 100.0 | 100.0 | 100.0 | 98.0 | 200 | 100.0 | |
| 1657 | BEDROOM | 100.0 | 100.0 | 100.0 | 77.7 | 100 | 100.0 | |
| 1658 | L/K/D | 89.3 | 64.3 | 50.8 | 35.2 | 200 | 50.8 | |
| 1659 | BEDROOM | 100.0 | 100.0 | 87.4 | 40.8 | 100 | 100.0 | |
| 1660 | BEDROOM | 100.0 | 100.0 | 80.8 | 34.3 | 100 | 100.0 | |
| 1661 | L/K/D | 100.0 | 98.4 | 81.1 | 63.8 | 200 | 81.1 | |
| 1662 | L/K/D | 100.0 | 96.6 | 79.1 | 63.0 | 200 | 79.1 | |
| 1663 | BEDROOM | 100.0 | 100.0 | 100.0 | 60.2 | 100 | 100.0 | |
| 1664 | BEDROOM | 100.0 | 100.0 | 100.0 | 65.1 | 100 | 100.0 | |
| 1665 | BEDROOM | 100.0 | 100.0 | 100.0 | 61.1 | 100 | 100.0 | |
| 1666 | L/K/D | 72.5 | 58.9 | 49.2 | 37.3 | 200 | 49.2 | |
| 1667 | L/K/D | 100.0 | 100.0 | 88.5 | 52.9 | 200 | 88.5 | |
| 1668 | BEDROOM | 100.0 | 95.8 | 62.5 | 24.3 | 100 | 100.0 | |
| 1669 | L/K/D | 76.0 | 61.4 | 51.0 | 37.8 | 200 | 51.0 | |
| 1670 | BEDROOM | 100.0 | 100.0 | 100.0 | 51.4 | 100 | 100.0 | |
| 1671 | BEDROOM | 100.0 | 100.0 | 100.0 | 69.2 | 100 | 100.0 | |
| 1672 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1673 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1674 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1675 | L/K/D | 100.0 | 68.8 | 55.4 | 37.7 | 200 | 55.4 | |
| 1676 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1677 | BEDROOM | 100.0 | 100.0 | 100.0 | 59.7 | 100 | 100.0 | |
| 1678 | L/K/D | 100.0 | 100.0 | 98.8 | 66.3 | 200 | 98.8 | |
| 1679 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1680 | L/K/D | 100.0 | 100.0 | 100.0 | 64.3 | 200 | 100.0 | |
| 1681 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1682 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1683 | L/K/D | 100.0 | 100.0 | 100.0 | 99.2 | 200 | 100.0 | |
| 1684 | L/K/D | 100.0 | 100.0 | 75.4 | 49.4 | 200 | 75.4 | |
| 1685 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1686 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1687 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1688 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1689 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1690 | L/K/D | 100.0 | 99.2 | 73.4 | 57.2 | 200 | 73.4 | |
| 1691 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1692 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1693 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1694 | L/K/D | 100.0 | 100.0 | 84.2 | 53.9 | 200 | 84.2 | |
| 1695 | L/K/D | 100.0 | 100.0 | 100.0 | 91.6 | 200 | 100.0 | |

| | | SUNLIGHT (Lat: 53.43 , Min Solar Alt: 11 ) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | 1 FEB | | 25 FEB | | 21 MAR | | ABOVE/ BELOW (-1 to 1) |
| | | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | |
| BLOCK 07 - THIRD FLOOR | | | | | | | | |
| 1641 | L/K/D | 3.2 | 03:10 | 4.1 | 04:05 | 5.0 | 05:00 | |
| 1642 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.8 | 00:45 | |
| 1643 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1644 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1645 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1646 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1647 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1648 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1649 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1650 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1651 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1652 | L/K/D | 1.3 | 01:15 | 1.9 | 01:55 | 2.7 | 02:40 | |
| 1653 | BEDROOM | 1.6 | 01:35 | 1.0 | 01:00 | 1.3 | 01:15 | |
| 1654 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1655 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1656 | L/K/D | 1.9 | 01:55 | 2.6 | 02:35 | 3.3 | 03:20 | |
| 1657 | BEDROOM | 1.9 | 01:55 | 2.7 | 02:40 | 3.6 | 03:35 | |
| 1658 | L/K/D | 1.9 | 01:55 | 2.8 | 02:45 | 3.7 | 03:40 | |
| 1659 | BEDROOM | 0.7 | 00:40 | 0.3 | 00:15 | 1.2 | 01:10 | |
| 1660 | BEDROOM | 0.0 | 00:00 | 0.4 | 00:25 | 1.3 | 01:20 | |
| 1661 | L/K/D | 1.9 | 01:55 | 3.4 | 03:25 | 4.2 | 04:10 | |
| 1662 | L/K/D | 1.9 | 01:55 | 3.0 | 03:00 | 3.7 | 03:40 | |
| 1663 | BEDROOM | 1.3 | 01:15 | 0.6 | 00:35 | 0.9 | 00:55 | |
| 1664 | BEDROOM | 1.0 | 01:00 | 1.8 | 01:45 | 1.9 | 01:55 | |
| 1665 | BEDROOM | 0.0 | 00:00 | 0.4 | 00:25 | 1.5 | 01:30 | |
| 1666 | L/K/D | 1.9 | 01:55 | 3.0 | 03:00 | 4.0 | 04:00 | |
| 1667 | L/K/D | 0.0 | 00:00 | 1.1 | 01:05 | 2.3 | 02:20 | |
| 1668 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.3 | 00:20 | |
| 1669 | L/K/D | 1.3 | 01:20 | 3.0 | 03:00 | 4.0 | 04:00 | |
| 1670 | BEDROOM | 0.3 | 00:20 | 1.7 | 01:40 | 2.1 | 02:05 | |
| 1671 | BEDROOM | 0.0 | 00:00 | 0.2 | 00:10 | 1.4 | 01:25 | |
| 1672 | L/K/D | 5.1 | 05:05 | 7.3 | 07:20 | 8.4 | 08:25 | |
| 1673 | BEDROOM | 5.3 | 05:15 | 6.8 | 06:50 | 8.4 | 08:25 | |
| 1674 | BEDROOM | 5.4 | 05:25 | 7.1 | 07:05 | 8.4 | 08:25 | |
| 1675 | L/K/D | 5.6 | 05:35 | 7.3 | 07:15 | 8.4 | 08:25 | |
| 1676 | BEDROOM | 5.8 | 05:50 | 7.3 | 07:15 | 7.1 | 07:05 | |
| 1677 | BEDROOM | 4.7 | 04:40 | 5.3 | 05:15 | 6.3 | 06:15 | |
| 1678 | L/K/D | 5.9 | 05:55 | 7.7 | 07:40 | 8.3 | 08:15 | |
| 1679 | BEDROOM | 5.2 | 05:10 | 6.6 | 06:35 | 4.8 | 04:50 | |
| 1680 | L/K/D | 5.9 | 05:55 | 7.4 | 07:25 | 5.8 | 05:45 | |
| 1681 | BEDROOM | 4.9 | 04:55 | 5.8 | 05:45 | 6.5 | 06:30 | |
| 1682 | BEDROOM | 5.9 | 05:55 | 7.9 | 07:55 | 8.3 | 08:20 | |
| 1683 | L/K/D | 5.9 | 05:55 | 7.8 | 07:50 | 7.3 | 07:20 | |
| 1684 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 8.4 | 08:25 | |
| 1685 | BEDROOM | 4.8 | 04:45 | 6.8 | 06:50 | 4.9 | 04:55 | |
| 1686 | BEDROOM | 5.9 | 05:55 | 7.7 | 07:40 | 5.3 | 05:20 | |
| 1687 | BEDROOM | 5.9 | 05:55 | 7.3 | 07:15 | 6.6 | 06:35 | |
| 1688 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 9.8 | 09:45 | |
| 1689 | BEDROOM | 3.3 | 03:15 | 4.3 | 04:15 | 5.1 | 05:05 | |
| 1690 | L/K/D | 5.8 | 05:45 | 6.5 | 06:30 | 7.2 | 07:10 | |
| 1691 | BEDROOM | 1.3 | 01:15 | 2.3 | 02:20 | 2.8 | 02:50 | |
| 1692 | BEDROOM | 2.3 | 02:20 | 2.7 | 02:40 | 2.8 | 02:50 | |
| 1693 | BEDROOM | 1.1 | 01:05 | 1.8 | 01:50 | 2.8 | 02:50 | |
| 1694 | L/K/D | 3.3 | 03:15 | 4.3 | 04:15 | 5.1 | 05:05 | |
| 1695 | L/K/D | 3.3 | 03:15 | 4.5 | 04:30 | 5.3 | 05:20 | |

| ROOM REF. | ROOM USE | DAYLIGHT<br>EN SPATIAL DAYLIGHT AUTONOMY<br>percentage of room achieving target illuminance for 2190 hrs (50% of daylit hours)<br>Weather File: IRL_Dublin | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 100 | 150 | 200 | 300 | BS EN17037:2018 TARGET | RELEVANT ENSDA | ABOVE/ BELOW (-25 to 25) |
| 1696 | BEDROOM | 100.0 | 100.0 | 100.0 | 99.0 | 100 | 100.0 | |
| 1697 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1698 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1699 | L/K/D | 100.0 | 100.0 | 99.1 | 78.6 | 200 | 99.1 | |
| 1700 | BEDROOM | 100.0 | 100.0 | 100.0 | 97.8 | 100 | 100.0 | |
| 1701 | L/K/D | 100.0 | 84.6 | 67.5 | 50.4 | 200 | 67.5 | |
| 1702 | BEDROOM | 100.0 | 100.0 | 100.0 | 98.4 | 100 | 100.0 | |
| 1703 | BEDROOM | 100.0 | 100.0 | 100.0 | 98.2 | 100 | 100.0 | |
| 1704 | BEDROOM | 100.0 | 100.0 | 100.0 | 96.3 | 100 | 100.0 | |
| 1705 | L/K/D | 100.0 | 100.0 | 89.7 | 58.8 | 200 | 89.7 | |
| 1706 | BEDROOM | 100.0 | 100.0 | 85.0 | 54.2 | 100 | 100.0 | |
| 1707 | L/K/D | 64.7 | 46.5 | 33.1 | 17.4 | 200 | 33.1 | |
| 1708 | BEDROOM | 100.0 | 100.0 | 86.5 | 54.1 | 100 | 100.0 | |
| 1709 | L/K/D | 73.3 | 67.3 | 57.1 | 37.5 | 200 | 57.1 | |
| 1710 | BEDROOM | 100.0 | 100.0 | 93.3 | 62.5 | 100 | 100.0 | |
| 1711 | L/K/D | 100.0 | 81.3 | 61.3 | 36.7 | 200 | 61.3 | |
| 1712 | BEDROOM | 100.0 | 100.0 | 79.6 | 51.3 | 100 | 100.0 | |
| 1713 | BEDROOM | 100.0 | 97.0 | 82.2 | 37.0 | 100 | 100.0 | |
| 1714 | BEDROOM | 100.0 | 99.1 | 85.0 | 42.3 | 100 | 100.0 | |
| 1715 | BEDROOM | 100.0 | 72.2 | 54.6 | 38.1 | 100 | 100.0 | |
| 1716 | L/K/D | 100.0 | 100.0 | 100.0 | 75.9 | 200 | 100.0 | |
| 1717 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1718 | BEDROOM | 100.0 | 100.0 | 100.0 | 99.2 | 100 | 100.0 | |
| 1719 | BEDROOM | 100.0 | 100.0 | 100.0 | 61.9 | 100 | 100.0 | |
| 1720 | L/K/D | 71.4 | 40.7 | 26.7 | 13.6 | 200 | 26.7 | |
| 1721 | BEDROOM | 100.0 | 100.0 | 92.9 | 44.2 | 100 | 100.0 | |
| 1722 | BEDROOM | 100.0 | 100.0 | 100.0 | 87.0 | 100 | 100.0 | |
| 1723 | L/K/D | 100.0 | 100.0 | 100.0 | 64.6 | 200 | 100.0 | |
| 1724 | L/K/D | 82.1 | 59.8 | 47.2 | 29.9 | 200 | 47.2 | |
| 1725 | BEDROOM | 100.0 | 100.0 | 100.0 | 83.7 | 100 | 100.0 | |
| 1726 | BEDROOM | 100.0 | 100.0 | 100.0 | 96.7 | 100 | 100.0 | |
| 1727 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1728 | L/K/D | 100.0 | 100.0 | 98.3 | 62.0 | 200 | 98.3 | |
| 1729 | L/K/D | 95.0 | 81.6 | 68.1 | 41.6 | 200 | 68.1 | |
| 1730 | BEDROOM | 100.0 | 100.0 | 100.0 | 95.8 | 100 | 100.0 | |
| 1731 | BEDROOM | 100.0 | 100.0 | 100.0 | 94.6 | 100 | 100.0 | |
| 1732 | L/K/D | 92.2 | 61.0 | 49.5 | 33.1 | 200 | 49.5 | |
| 1733 | BEDROOM | 100.0 | 79.1 | 55.8 | 24.8 | 100 | 100.0 | |
| 1734 | BEDROOM | 100.0 | 100.0 | 100.0 | 73.9 | 100 | 100.0 | |
| 1735 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1736 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1737 | L/K/D | 100.0 | 100.0 | 100.0 | 99.6 | 200 | 100.0 | |
| 1738 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1739 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1740 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1741 | L/K/D | 100.0 | 100.0 | 99.6 | 72.0 | 200 | 99.6 | |
| 1742 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1743 | BEDROOM | 100.0 | 100.0 | 100.0 | 74.5 | 100 | 100.0 | |
| 1744 | L/K/D | 69.9 | 52.0 | 40.0 | 25.8 | 200 | 40.0 | |
| 1745 | L/K/D | 88.3 | 60.5 | 48.3 | 30.3 | 200 | 48.3 | |
| 1746 | BEDROOM | 100.0 | 100.0 | 100.0 | 81.5 | 100 | 100.0 | |
| 1747 | BEDROOM | 100.0 | 100.0 | 100.0 | 94.4 | 100 | 100.0 | |
| 1748 | BEDROOM | 100.0 | 100.0 | 100.0 | 88.6 | 100 | 100.0 | |
| 1749 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1750 | L/K/D | 100.0 | 100.0 | 100.0 | 99.8 | 200 | 100.0 | |
| 1751 | BEDROOM | 100.0 | 100.0 | 100.0 | 57.1 | 100 | 100.0 | |

| | | SUNLIGHT (Lat: 53.43 , Min Solar Alt: 11 ) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | 1 FEB | | 25 FEB | | 21 MAR | | ABOVE/ BELOW (-1 to 1) |
| | | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | |
| 1696 | BEDROOM | 0.2 | 00:10 | 1.3 | 01:20 | 2.6 | 02:35 | |
| 1697 | BEDROOM | 1.0 | 01:00 | 1.4 | 01:25 | 2.6 | 02:35 | |
| 1698 | BEDROOM | 2.3 | 02:20 | 2.7 | 02:40 | 2.8 | 02:50 | |
| 1699 | L/K/D | 3.3 | 03:15 | 4.3 | 04:15 | 5.1 | 05:05 | |
| 1700 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1701 | L/K/D | 1.1 | 01:05 | 1.8 | 01:50 | 3.1 | 03:05 | |
| 1702 | BEDROOM | 0.3 | 00:20 | 1.6 | 01:35 | 3.1 | 03:05 | |
| 1703 | BEDROOM | 0.0 | 00:00 | 0.7 | 00:40 | 2.7 | 02:40 | |
| 1704 | BEDROOM | 0.0 | 00:00 | 0.6 | 00:35 | 1.7 | 01:40 | |
| 1705 | L/K/D | 0.0 | 00:00 | 1.1 | 01:05 | 2.4 | 02:25 | |
| 1706 | BEDROOM | 0.0 | 00:00 | 0.3 | 00:15 | 0.8 | 00:50 | |
| 1707 | L/K/D | 0.0 | 00:00 | 0.2 | 00:10 | 1.9 | 01:55 | |
| 1708 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.4 | 00:25 | |
| 1709 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1710 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1711 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1712 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1713 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1714 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1715 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1716 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1717 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1718 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1719 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1720 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1721 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.2 | 00:10 | |
| 1722 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.5 | 00:30 | |
| 1723 | L/K/D | 0.0 | 00:00 | 0.3 | 00:20 | 2.4 | 02:25 | |
| 1724 | L/K/D | 0.0 | 00:00 | 1.1 | 01:05 | 2.5 | 02:30 | |
| 1725 | BEDROOM | 0.2 | 00:10 | 2.1 | 02:05 | 2.5 | 02:30 | |
| 1726 | BEDROOM | 0.6 | 00:35 | 2.8 | 02:45 | 3.8 | 03:50 | |
| 1727 | BEDROOM | 0.8 | 00:50 | 3.3 | 03:15 | 4.2 | 04:10 | |
| 1728 | L/K/D | 2.6 | 02:35 | 3.7 | 03:40 | 4.2 | 04:10 | |
| 1729 | L/K/D | 1.7 | 01:40 | 2.2 | 02:10 | 2.6 | 02:35 | |
| 1730 | BEDROOM | 1.7 | 01:40 | 2.2 | 02:10 | 2.7 | 02:40 | |
| 1731 | BEDROOM | 1.7 | 01:40 | 3.2 | 03:10 | 4.2 | 04:10 | |
| 1732 | L/K/D | 2.5 | 02:30 | 3.4 | 03:25 | 4.3 | 04:15 | |
| 1733 | BEDROOM | 1.7 | 01:40 | 2.3 | 02:15 | 1.8 | 01:50 | |
| 1734 | BEDROOM | 2.1 | 02:05 | 2.8 | 02:50 | 2.7 | 02:40 | |
| 1735 | BEDROOM | 2.6 | 02:35 | 3.1 | 03:05 | 2.7 | 02:40 | |
| 1736 | BEDROOM | 1.3 | 01:15 | 1.9 | 01:55 | 2.7 | 02:40 | |
| 1737 | L/K/D | 4.7 | 04:40 | 6.2 | 06:10 | 8.8 | 08:45 | |
| 1738 | BEDROOM | 4.4 | 04:25 | 6.1 | 06:05 | 8.8 | 08:45 | |
| 1739 | BEDROOM | 4.3 | 04:20 | 5.8 | 05:50 | 8.5 | 08:30 | |
| 1740 | BEDROOM | 4.2 | 04:10 | 5.7 | 05:40 | 8.7 | 08:40 | |
| 1741 | L/K/D | 3.9 | 03:55 | 5.8 | 05:45 | 9.1 | 09:05 | |
| 1742 | BEDROOM | 3.4 | 03:25 | 5.5 | 05:30 | 9.6 | 09:35 | |
| 1743 | BEDROOM | 2.7 | 02:40 | 4.9 | 04:55 | 9.2 | 09:10 | |
| 1744 | L/K/D | 2.0 | 02:00 | 4.6 | 04:35 | 9.3 | 09:15 | |
| 1745 | L/K/D | 1.6 | 01:35 | 4.4 | 04:25 | 9.8 | 09:45 | |
| 1746 | BEDROOM | 1.3 | 01:15 | 3.6 | 03:35 | 9.7 | 09:40 | |
| 1747 | BEDROOM | 1.6 | 01:35 | 3.8 | 03:45 | 9.0 | 09:00 | |
| 1748 | BEDROOM | 2.3 | 02:20 | 3.8 | 03:45 | 9.3 | 09:15 | |
| 1749 | BEDROOM | 3.1 | 03:05 | 4.2 | 04:10 | 9.3 | 09:15 | |
| 1750 | L/K/D | 4.2 | 04:10 | 4.1 | 04:05 | 5.0 | 05:00 | |
| 1751 | BEDROOM | 3.2 | 03:10 | 4.1 | 04:05 | 5.0 | 05:00 | |

| ROOM REF. | ROOM USE | DAYLIGHT<br>EN SPATIAL DAYLIGHT AUTONOMY<br>percentage of room achieving target illuminance for 2190 hrs (50% of daylit hours)<br>Weather File: IRL_Dublin | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 100 | 150 | 200 | 300 | BS EN17037:2018 TARGET | RELEVANT ENSDA | ABOVE/ BELOW (-25 to 25) |
| BLOCK 07 - FOURTH FLOOR | | | | | | | | |
| 1752 | L/K/D | 100.0 | 100.0 | 99.6 | 58.2 | 200 | 99.6 | |
| 1753 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1754 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1755 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1756 | BEDROOM | 100.0 | 100.0 | 100.0 | 73.5 | 100 | 100.0 | |
| 1757 | BEDROOM | 100.0 | 100.0 | 100.0 | 68.9 | 100 | 100.0 | |
| 1758 | L/K/D | 100.0 | 84.0 | 68.7 | 56.1 | 200 | 68.7 | |
| 1759 | L/K/D | 100.0 | 84.5 | 70.6 | 57.9 | 200 | 70.6 | |
| 1760 | BEDROOM | 100.0 | 100.0 | 100.0 | 37.6 | 100 | 100.0 | |
| 1761 | BEDROOM | 100.0 | 100.0 | 100.0 | 49.1 | 100 | 100.0 | |
| 1762 | BEDROOM | 100.0 | 100.0 | 100.0 | 63.9 | 100 | 100.0 | |
| 1763 | L/K/D | 100.0 | 75.2 | 63.0 | 47.8 | 200 | 63.0 | |
| 1764 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1765 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1766 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1767 | L/K/D | 100.0 | 100.0 | 100.0 | 98.9 | 200 | 100.0 | |
| 1768 | BEDROOM | 100.0 | 100.0 | 100.0 | 93.3 | 100 | 100.0 | |
| 1769 | L/K/D | 99.7 | 75.4 | 58.9 | 39.6 | 200 | 58.9 | |
| 1770 | BEDROOM | 100.0 | 100.0 | 81.5 | 29.6 | 100 | 100.0 | |
| 1771 | BEDROOM | 100.0 | 100.0 | 67.6 | 23.1 | 100 | 100.0 | |
| 1772 | L/K/D | 100.0 | 100.0 | 100.0 | 78.3 | 200 | 100.0 | |
| 1773 | L/K/D | 100.0 | 100.0 | 89.2 | 68.6 | 200 | 89.2 | |
| 1774 | BEDROOM | 100.0 | 100.0 | 88.4 | 33.9 | 100 | 100.0 | |
| 1775 | BEDROOM | 100.0 | 100.0 | 97.2 | 43.4 | 100 | 100.0 | |
| 1776 | BEDROOM | 100.0 | 100.0 | 97.2 | 38.0 | 100 | 100.0 | |
| 1777 | L/K/D | 79.1 | 62.7 | 53.7 | 40.3 | 200 | 53.7 | |
| 1778 | L/K/D | 100.0 | 100.0 | 98.5 | 59.0 | 200 | 98.5 | |
| 1779 | BEDROOM | 100.0 | 95.1 | 59.0 | 25.7 | 100 | 100.0 | |
| 1780 | L/K/D | 80.5 | 64.5 | 55.0 | 40.4 | 200 | 55.0 | |
| 1781 | BEDROOM | 100.0 | 100.0 | 94.3 | 38.1 | 100 | 100.0 | |
| 1782 | BEDROOM | 100.0 | 100.0 | 100.0 | 51.9 | 100 | 100.0 | |
| 1783 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1784 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1785 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1786 | L/K/D | 100.0 | 71.1 | 57.2 | 38.7 | 200 | 57.2 | |
| 1787 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1788 | BEDROOM | 100.0 | 100.0 | 91.6 | 37.0 | 100 | 100.0 | |
| 1789 | L/K/D | 100.0 | 76.2 | 62.5 | 45.6 | 200 | 62.5 | |
| 1790 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1791 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1792 | L/K/D | 100.0 | 84.7 | 59.2 | 38.1 | 200 | 59.2 | |
| 1793 | BEDROOM | 100.0 | 100.0 | 100.0 | 99.6 | 100 | 100.0 | |
| 1794 | L/K/D | 100.0 | 100.0 | 100.0 | 94.7 | 200 | 100.0 | |
| 1795 | L/K/D | 100.0 | 100.0 | 75.8 | 47.4 | 200 | 75.8 | |
| 1796 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1797 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1798 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1799 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1800 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1801 | L/K/D | 100.0 | 98.2 | 72.2 | 56.8 | 200 | 72.2 | |
| 1802 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1803 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1804 | L/K/D | 100.0 | 100.0 | 79.4 | 38.1 | 200 | 79.4 | |
| 1805 | BEDROOM | 100.0 | 100.0 | 100.0 | 89.1 | 100 | 100.0 | |
| 1806 | L/K/D | 100.0 | 100.0 | 100.0 | 99.7 | 200 | 100.0 | |

| | | SUNLIGHT (Lat: 53.43 , Min Solar Alt: 11 ) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | 1 FEB | | 25 FEB | | 21 MAR | | ABOVE/ BELOW (-1 to 1) |
| | | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | |
| BLOCK 07 - FOURTH FLOOR | | | | | | | | |
| 1752 | L/K/D | 3.2 | 03:10 | 4.1 | 04:05 | 5.0 | 05:00 | |
| 1753 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.6 | 00:35 | |
| 1754 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1755 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1756 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1757 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1758 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1759 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1760 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1761 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1762 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1763 | L/K/D | 1.8 | 01:50 | 2.5 | 02:30 | 3.3 | 03:15 | |
| 1764 | BEDROOM | 1.3 | 01:20 | 1.2 | 01:10 | 1.8 | 01:45 | |
| 1765 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.3 | 00:15 | |
| 1766 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1767 | L/K/D | 1.9 | 01:55 | 3.0 | 03:00 | 3.8 | 03:45 | |
| 1768 | BEDROOM | 1.9 | 01:55 | 3.0 | 03:00 | 3.8 | 03:45 | |
| 1769 | L/K/D | 1.9 | 01:55 | 3.0 | 03:00 | 4.0 | 04:00 | |
| 1770 | BEDROOM | 0.4 | 00:25 | 0.4 | 00:25 | 1.7 | 01:40 | |
| 1771 | BEDROOM | 0.0 | 00:00 | 0.6 | 00:35 | 1.7 | 01:40 | |
| 1772 | L/K/D | 2.7 | 02:40 | 4.6 | 04:35 | 5.8 | 05:45 | |
| 1773 | L/K/D | 1.9 | 01:55 | 3.0 | 03:00 | 4.0 | 04:00 | |
| 1774 | BEDROOM | 0.8 | 00:50 | 0.1 | 00:05 | 1.2 | 01:10 | |
| 1775 | BEDROOM | 0.8 | 00:50 | 1.3 | 01:15 | 1.6 | 01:35 | |
| 1776 | BEDROOM | 0.0 | 00:00 | 0.4 | 00:25 | 1.6 | 01:35 | |
| 1777 | L/K/D | 1.9 | 01:55 | 3.0 | 03:00 | 4.0 | 04:00 | |
| 1778 | L/K/D | 0.0 | 00:00 | 1.1 | 01:05 | 2.3 | 02:20 | |
| 1779 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.3 | 00:15 | |
| 1780 | L/K/D | 1.9 | 01:55 | 3.0 | 03:00 | 4.0 | 04:00 | |
| 1781 | BEDROOM | 0.9 | 00:55 | 1.4 | 01:25 | 1.8 | 01:45 | |
| 1782 | BEDROOM | 0.0 | 00:00 | 0.2 | 00:10 | 1.4 | 01:25 | |
| 1783 | L/K/D | 5.8 | 05:45 | 7.9 | 07:55 | 8.4 | 08:25 | |
| 1784 | BEDROOM | 5.8 | 05:45 | 7.8 | 07:45 | 8.4 | 08:25 | |
| 1785 | BEDROOM | 5.8 | 05:50 | 7.8 | 07:50 | 8.4 | 08:25 | |
| 1786 | L/K/D | 5.9 | 05:55 | 7.8 | 07:45 | 8.4 | 08:25 | |
| 1787 | BEDROOM | 5.9 | 05:55 | 7.7 | 07:40 | 5.2 | 05:10 | |
| 1788 | BEDROOM | 4.8 | 04:45 | 5.6 | 05:35 | 5.2 | 05:10 | |
| 1789 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 8.4 | 08:25 | |
| 1790 | BEDROOM | 5.2 | 05:10 | 5.8 | 05:50 | 2.3 | 02:20 | |
| 1791 | BEDROOM | 5.9 | 05:55 | 7.2 | 07:10 | 3.3 | 03:15 | |
| 1792 | L/K/D | 5.3 | 05:20 | 6.1 | 06:05 | 4.0 | 04:00 | |
| 1793 | BEDROOM | 5.9 | 05:55 | 7.9 | 07:55 | 8.4 | 08:25 | |
| 1794 | L/K/D | 5.9 | 05:55 | 7.8 | 07:50 | 5.2 | 05:10 | |
| 1795 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 8.4 | 08:25 | |
| 1796 | BEDROOM | 4.8 | 04:45 | 6.1 | 06:05 | 2.8 | 02:45 | |
| 1797 | BEDROOM | 5.9 | 05:55 | 6.9 | 06:55 | 2.8 | 02:45 | |
| 1798 | BEDROOM | 5.9 | 05:55 | 7.2 | 07:10 | 4.0 | 04:00 | |
| 1799 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 9.8 | 09:45 | |
| 1800 | BEDROOM | 3.3 | 03:15 | 4.3 | 04:15 | 5.1 | 05:05 | |
| 1801 | L/K/D | 5.7 | 05:40 | 6.8 | 06:45 | 7.3 | 07:20 | |
| 1802 | BEDROOM | 1.3 | 01:15 | 2.1 | 02:05 | 2.3 | 02:15 | |
| 1803 | BEDROOM | 1.8 | 01:50 | 2.1 | 02:05 | 2.3 | 02:15 | |
| 1804 | L/K/D | 0.7 | 00:40 | 1.8 | 01:50 | 2.3 | 02:15 | |
| 1805 | BEDROOM | 3.3 | 03:15 | 4.3 | 04:15 | 5.1 | 05:05 | |
| 1806 | L/K/D | 3.5 | 03:30 | 4.5 | 04:30 | 6.4 | 06:25 | |

| ROOM REF. | ROOM USE | DAYLIGHT<br>EN SPATIAL DAYLIGHT AUTONOMY<br>percentage of room achieving target illuminance for 2190 hrs (50% of daylit hours)<br>Weather File: IRL_Dublin | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 100 | 150 | 200 | 300 | BS EN17037:2018 TARGET | RELEVANT ENSDA | ABOVE/ BELOW (-25 to 25) |
| 1807 | BEDROOM | 100.0 | 100.0 | 100.0 | 58.9 | 100 | 100.0 | |
| 1808 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1809 | BEDROOM | 100.0 | 100.0 | 100.0 | 73.8 | 100 | 100.0 | |
| 1810 | L/K/D | 100.0 | 100.0 | 99.8 | 79.2 | 200 | 99.8 | |
| 1811 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1812 | L/K/D | 100.0 | 99.9 | 77.8 | 58.1 | 200 | 77.8 | |
| 1813 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1814 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1815 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1816 | L/K/D | 86.2 | 72.3 | 66.7 | 54.7 | 200 | 66.7 | |
| 1817 | BEDROOM | 100.0 | 100.0 | 99.1 | 64.5 | 100 | 100.0 | |
| 1818 | L/K/D | 78.3 | 56.0 | 42.0 | 23.3 | 200 | 42.0 | |
| 1819 | BEDROOM | 100.0 | 100.0 | 99.4 | 65.3 | 100 | 100.0 | |
| 1820 | L/K/D | 81.0 | 70.5 | 65.7 | 49.5 | 200 | 65.7 | |
| 1821 | BEDROOM | 100.0 | 100.0 | 100.0 | 88.5 | 100 | 100.0 | |
| 1822 | L/K/D | 100.0 | 88.8 | 77.5 | 52.1 | 200 | 77.5 | |
| 1823 | BEDROOM | 100.0 | 100.0 | 100.0 | 68.9 | 100 | 100.0 | |
| 1824 | BEDROOM | 100.0 | 100.0 | 99.5 | 55.8 | 100 | 100.0 | |
| 1825 | BEDROOM | 100.0 | 100.0 | 95.0 | 54.1 | 100 | 100.0 | |
| 1826 | BEDROOM | 100.0 | 100.0 | 80.4 | 52.6 | 100 | 100.0 | |
| 1827 | L/K/D | 100.0 | 100.0 | 100.0 | 95.6 | 200 | 100.0 | |
| 1828 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1829 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1830 | BEDROOM | 100.0 | 100.0 | 100.0 | 76.2 | 100 | 100.0 | |
| 1831 | L/K/D | 89.1 | 50.4 | 31.8 | 17.2 | 200 | 31.8 | |
| 1832 | BEDROOM | 100.0 | 100.0 | 100.0 | 57.5 | 100 | 100.0 | |
| 1833 | BEDROOM | 100.0 | 100.0 | 100.0 | 98.1 | 100 | 100.0 | |
| 1834 | L/K/D | 100.0 | 100.0 | 100.0 | 84.3 | 200 | 100.0 | |
| 1835 | L/K/D | 99.9 | 68.4 | 55.4 | 35.7 | 200 | 55.4 | |
| 1836 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1837 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1838 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1839 | L/K/D | 95.5 | 72.9 | 68.4 | 58.4 | 200 | 68.4 | |
| 1840 | BEDROOM | 100.0 | 100.0 | 100.0 | 79.3 | 100 | 100.0 | |
| 1841 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1842 | L/K/D | 99.5 | 65.2 | 52.6 | 35.6 | 200 | 52.6 | |
| 1843 | L/K/D | 100.0 | 72.0 | 58.3 | 42.4 | 200 | 58.3 | |
| 1844 | BEDROOM | 100.0 | 100.0 | 72.1 | 31.0 | 100 | 100.0 | |
| 1845 | BEDROOM | 100.0 | 100.0 | 100.0 | 95.8 | 100 | 100.0 | |
| 1846 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1847 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1848 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1849 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1850 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1851 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1852 | L/K/D | 100.0 | 89.9 | 72.3 | 51.1 | 200 | 72.3 | |
| 1853 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1854 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1855 | L/K/D | 86.0 | 62.0 | 50.6 | 35.6 | 200 | 50.6 | |
| 1856 | L/K/D | 100.0 | 73.9 | 58.4 | 41.8 | 200 | 58.4 | |
| 1857 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1858 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1859 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1860 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1861 | L/K/D | 100.0 | 100.0 | 100.0 | 99.3 | 200 | 100.0 | |
| 1862 | BEDROOM | 100.0 | 100.0 | 100.0 | 57.1 | 100 | 100.0 | |

| | | SUNLIGHT (Lat: 53.43 , Min Solar Alt: 11 ) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | 1 FEB | | 25 FEB | | 21 MAR | | ABOVE/ BELOW (-1 to 1) |
| | | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | |
| 1807 | BEDROOM | 0.2 | 00:10 | 1.3 | 01:20 | 1.9 | 01:55 | |
| 1808 | BEDROOM | 0.3 | 00:15 | 1.4 | 01:25 | 1.9 | 01:55 | |
| 1809 | BEDROOM | 1.6 | 01:35 | 1.8 | 01:50 | 1.9 | 01:55 | |
| 1810 | L/K/D | 3.3 | 03:15 | 4.2 | 04:10 | 4.7 | 04:40 | |
| 1811 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1812 | L/K/D | 1.5 | 01:30 | 2.0 | 02:00 | 3.2 | 03:10 | |
| 1813 | BEDROOM | 0.8 | 00:50 | 2.2 | 02:10 | 3.3 | 03:15 | |
| 1814 | BEDROOM | 0.7 | 00:40 | 1.3 | 01:20 | 2.9 | 02:55 | |
| 1815 | BEDROOM | 1.0 | 01:00 | 1.3 | 01:15 | 1.9 | 01:55 | |
| 1816 | L/K/D | 0.6 | 00:35 | 1.7 | 01:40 | 3.2 | 03:10 | |
| 1817 | BEDROOM | 0.3 | 00:15 | 1.1 | 01:05 | 1.9 | 01:55 | |
| 1818 | L/K/D | 0.0 | 00:00 | 1.7 | 01:40 | 2.9 | 02:55 | |
| 1819 | BEDROOM | 0.0 | 00:00 | 0.3 | 00:20 | 1.3 | 01:20 | |
| 1820 | L/K/D | 0.0 | 00:00 | 0.6 | 00:35 | 2.2 | 02:10 | |
| 1821 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1822 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1823 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1824 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1825 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1826 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1827 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 2.2 | 02:10 | |
| 1828 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1829 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1830 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1831 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1832 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.4 | 00:25 | |
| 1833 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 1.6 | 01:35 | |
| 1834 | L/K/D | 0.0 | 00:00 | 1.2 | 01:10 | 4.1 | 04:05 | |
| 1835 | L/K/D | 0.0 | 00:00 | 3.1 | 03:05 | 2.8 | 02:45 | |
| 1836 | BEDROOM | 1.8 | 01:45 | 2.3 | 02:15 | 2.7 | 02:40 | |
| 1837 | BEDROOM | 1.8 | 01:45 | 2.8 | 02:50 | 4.3 | 04:20 | |
| 1838 | BEDROOM | 2.3 | 02:15 | 3.5 | 03:30 | 4.5 | 04:30 | |
| 1839 | L/K/D | 2.8 | 02:50 | 3.8 | 03:50 | 4.3 | 04:20 | |
| 1840 | BEDROOM | 1.8 | 01:45 | 2.3 | 02:15 | 2.7 | 02:40 | |
| 1841 | BEDROOM | 1.8 | 01:45 | 2.3 | 02:15 | 2.7 | 02:40 | |
| 1842 | L/K/D | 1.8 | 01:45 | 3.2 | 03:10 | 4.5 | 04:30 | |
| 1843 | L/K/D | 2.9 | 02:55 | 3.9 | 03:55 | 4.4 | 04:25 | |
| 1844 | BEDROOM | 1.7 | 01:40 | 2.3 | 02:15 | 2.1 | 02:05 | |
| 1845 | BEDROOM | 2.0 | 02:00 | 2.8 | 02:50 | 3.4 | 03:25 | |
| 1846 | BEDROOM | 2.8 | 02:45 | 2.6 | 02:35 | 3.4 | 03:25 | |
| 1847 | BEDROOM | 1.8 | 01:50 | 2.6 | 02:35 | 3.4 | 03:25 | |
| 1848 | L/K/D | 5.8 | 05:50 | 7.5 | 07:30 | 9.4 | 09:25 | |
| 1849 | BEDROOM | 5.6 | 05:35 | 7.3 | 07:20 | 9.3 | 09:20 | |
| 1850 | BEDROOM | 5.3 | 05:20 | 7.5 | 07:30 | 9.1 | 09:05 | |
| 1851 | BEDROOM | 5.1 | 05:05 | 7.9 | 07:55 | 9.2 | 09:10 | |
| 1852 | L/K/D | 4.8 | 04:45 | 7.9 | 07:55 | 9.4 | 09:25 | |
| 1853 | BEDROOM | 4.2 | 04:10 | 7.9 | 07:55 | 9.8 | 09:45 | |
| 1854 | BEDROOM | 3.2 | 03:10 | 7.9 | 07:55 | 9.3 | 09:15 | |
| 1855 | L/K/D | 2.3 | 02:20 | 7.9 | 07:55 | 9.3 | 09:15 | |
| 1856 | L/K/D | 2.1 | 02:05 | 7.9 | 07:55 | 9.8 | 09:45 | |
| 1857 | BEDROOM | 1.3 | 01:20 | 7.8 | 07:45 | 9.7 | 09:40 | |
| 1858 | BEDROOM | 2.6 | 02:35 | 7.5 | 07:30 | 9.2 | 09:10 | |
| 1859 | BEDROOM | 3.1 | 03:05 | 7.1 | 07:05 | 9.6 | 09:35 | |
| 1860 | BEDROOM | 3.6 | 03:35 | 6.9 | 06:55 | 9.6 | 09:35 | |
| 1861 | L/K/D | 3.2 | 03:10 | 4.1 | 04:05 | 5.0 | 05:00 | |
| 1862 | BEDROOM | 2.7 | 02:40 | 3.8 | 03:45 | 4.7 | 04:40 | |

| ROOM REF. | ROOM USE | DAYLIGHT<br>EN SPATIAL DAYLIGHT AUTONOMY<br>percentage of room achieving target illuminance for 2190 hrs (50% of daylit hours)<br>Weather File: IRL_Dublin | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 100 | 150 | 200 | 300 | BS EN17037:2018 TARGET | RELEVANT ENSDA | ABOVE/ BELOW (-25 to 25) |
| BLOCK 07 - FIFTH FLOOR | | | | | | | | |
| 1863 | L/K/D | 100.0 | 100.0 | 100.0 | 99.7 | 200 | 100.0 | |
| 1864 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1865 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1866 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1867 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1868 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1869 | L/K/D | 100.0 | 100.0 | 78.4 | 62.2 | 200 | 78.4 | |
| 1870 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1871 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1872 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1873 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1874 | L/K/D | 100.0 | 100.0 | 100.0 | 61.4 | 200 | 100.0 | |
| 1875 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1876 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1877 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1878 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1879 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1880 | L/K/D | 100.0 | 85.8 | 65.4 | 42.2 | 200 | 65.4 | |
| 1881 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1882 | BEDROOM | 100.0 | 100.0 | 100.0 | 87.9 | 100 | 100.0 | |
| 1883 | L/K/D | 100.0 | 100.0 | 100.0 | 83.2 | 200 | 100.0 | |
| 1884 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1885 | BEDROOM | 100.0 | 100.0 | 100.0 | 97.9 | 100 | 100.0 | |
| 1886 | BEDROOM | 100.0 | 100.0 | 100.0 | 88.5 | 100 | 100.0 | |
| 1887 | BEDROOM | 100.0 | 100.0 | 100.0 | 87.1 | 100 | 100.0 | |
| 1888 | L/K/D | 100.0 | 100.0 | 100.0 | 64.8 | 200 | 100.0 | |
| 1889 | L/K/D | 100.0 | 100.0 | 100.0 | 99.6 | 200 | 100.0 | |
| 1890 | BEDROOM | 100.0 | 99.3 | 90.6 | 40.3 | 100 | 100.0 | |
| 1891 | L/K/D | 100.0 | 89.0 | 72.7 | 61.7 | 200 | 72.7 | |
| 1892 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1893 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1894 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1895 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1896 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1897 | L/K/D | 100.0 | 79.2 | 61.5 | 41.1 | 200 | 61.5 | |
| 1898 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1899 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1900 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1901 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1902 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1903 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1904 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1905 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1906 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1907 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1908 | L/K/D | 100.0 | 100.0 | 100.0 | 97.3 | 200 | 100.0 | |
| 1909 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1910 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1911 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1912 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1913 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1914 | BEDROOM | 100.0 | 100.0 | 100.0 | 99.0 | 100 | 100.0 | |
| 1915 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1916 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1917 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |

| ROOM REF. | ROOM USE | SUNLIGHT (Lat: 53.43 , Min Solar Alt: 11 ) | | | | | | ABOVE/ BELOW (-1 to 1) |
|---|---|---|---|---|---|---|---|---|
| | | 1 FEB | | 25 FEB | | 21 MAR | | |
| | | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | |
| BLOCK 07 - FIFTH FLOOR | | | | | | | | |
| 1863 | L/K/D | 3.2 | 03:10 | 4.1 | 04:05 | 5.0 | 05:00 | |
| 1864 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.8 | 00:45 | |
| 1865 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1866 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1867 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1868 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1869 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1870 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1871 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1872 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1873 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1874 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1875 | BEDROOM | 2.3 | 02:15 | 3.3 | 03:20 | 4.3 | 04:20 | |
| 1876 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1877 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1878 | L/K/D | 1.9 | 01:55 | 3.0 | 03:00 | 4.0 | 04:00 | |
| 1879 | BEDROOM | 1.9 | 01:55 | 3.0 | 03:00 | 4.0 | 04:00 | |
| 1880 | L/K/D | 1.9 | 01:55 | 3.0 | 03:00 | 4.0 | 04:00 | |
| 1881 | BEDROOM | 0.8 | 00:50 | 0.8 | 00:45 | 1.5 | 01:30 | |
| 1882 | BEDROOM | 0.0 | 00:00 | 0.6 | 00:35 | 1.8 | 01:50 | |
| 1883 | L/K/D | 4.1 | 04:05 | 5.5 | 05:30 | 6.9 | 06:55 | |
| 1884 | L/K/D | 2.5 | 02:30 | 3.5 | 03:30 | 4.4 | 04:25 | |
| 1885 | BEDROOM | 1.4 | 01:25 | 2.6 | 02:35 | 3.6 | 03:35 | |
| 1886 | BEDROOM | 1.4 | 01:25 | 2.6 | 02:35 | 3.6 | 03:35 | |
| 1887 | BEDROOM | 1.4 | 01:25 | 2.6 | 02:35 | 3.6 | 03:35 | |
| 1888 | L/K/D | 2.5 | 02:30 | 3.5 | 03:30 | 4.4 | 04:25 | |
| 1889 | L/K/D | 0.0 | 00:00 | 1.1 | 01:05 | 4.4 | 04:25 | |
| 1890 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.3 | 00:15 | |
| 1891 | L/K/D | 1.9 | 01:55 | 3.0 | 03:00 | 4.0 | 04:00 | |
| 1892 | BEDROOM | 1.1 | 01:05 | 2.0 | 02:00 | 2.4 | 02:25 | |
| 1893 | BEDROOM | 0.0 | 00:00 | 0.2 | 00:10 | 1.5 | 01:30 | |
| 1894 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 8.4 | 08:25 | |
| 1895 | BEDROOM | 5.9 | 05:55 | 7.9 | 07:55 | 8.4 | 08:25 | |
| 1896 | BEDROOM | 5.9 | 05:55 | 7.9 | 07:55 | 8.4 | 08:25 | |
| 1897 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 8.4 | 08:25 | |
| 1898 | BEDROOM | 5.9 | 05:55 | 7.9 | 07:55 | 9.1 | 09:05 | |
| 1899 | BEDROOM | 5.9 | 05:55 | 7.3 | 07:20 | 7.9 | 07:55 | |
| 1900 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 9.1 | 09:05 | |
| 1901 | BEDROOM | 5.9 | 05:55 | 7.3 | 07:20 | 7.9 | 07:55 | |
| 1902 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 9.1 | 09:05 | |
| 1903 | BEDROOM | 5.9 | 05:55 | 7.3 | 07:20 | 7.9 | 07:55 | |
| 1904 | BEDROOM | 5.9 | 05:55 | 7.3 | 07:20 | 7.9 | 07:55 | |
| 1905 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 9.1 | 09:05 | |
| 1906 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 9.1 | 09:05 | |
| 1907 | BEDROOM | 5.9 | 05:55 | 7.3 | 07:20 | 7.9 | 07:55 | |
| 1908 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 9.1 | 09:05 | |
| 1909 | BEDROOM | 5.9 | 05:55 | 7.9 | 07:55 | 9.1 | 09:05 | |
| 1910 | BEDROOM | 5.9 | 05:55 | 7.3 | 07:20 | 7.9 | 07:55 | |
| 1911 | L/K/D | 5.7 | 05:40 | 6.6 | 06:35 | 7.8 | 07:50 | |
| 1912 | BEDROOM | 2.8 | 02:45 | 3.8 | 03:45 | 4.8 | 04:45 | |
| 1913 | BEDROOM | 2.8 | 02:45 | 3.8 | 03:45 | 4.8 | 04:45 | |
| 1914 | BEDROOM | 2.8 | 02:45 | 3.8 | 03:45 | 4.8 | 04:45 | |
| 1915 | L/K/D | 3.8 | 03:50 | 4.8 | 04:45 | 5.5 | 05:30 | |
| 1916 | L/K/D | 3.8 | 03:50 | 4.8 | 04:45 | 5.5 | 05:30 | |
| 1917 | BEDROOM | 2.9 | 02:55 | 3.9 | 03:55 | 4.8 | 04:50 | |

| ROOM REF. | ROOM USE | DAYLIGHT<br>EN SPATIAL DAYLIGHT AUTONOMY<br>percentage of room achieving target illuminance for 2190 hrs (50% of daylit hours)<br>Weather File: IRL_Dublin | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 100 | 150 | 200 | 300 | BS EN17037:2018 TARGET | RELEVANT ENSDA | ABOVE/ BELOW (-25 to 25) |
| 1918 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1919 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1920 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1921 | L/K/D | 100.0 | 100.0 | 100.0 | 76.2 | 200 | 100.0 | |
| 1922 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1923 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1924 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1925 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1926 | BEDROOM | 100.0 | 100.0 | 100.0 | 79.7 | 100 | 100.0 | |
| 1927 | L/K/D | 100.0 | 86.0 | 66.0 | 45.5 | 200 | 66.0 | |
| 1928 | BEDROOM | 100.0 | 100.0 | 100.0 | 90.7 | 100 | 100.0 | |
| 1929 | L/K/D | 100.0 | 85.4 | 74.7 | 67.1 | 200 | 74.7 | |
| 1930 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1931 | L/K/D | 100.0 | 100.0 | 100.0 | 93.0 | 200 | 100.0 | |
| 1932 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1933 | BEDROOM | 100.0 | 100.0 | 100.0 | 92.5 | 100 | 100.0 | |
| 1934 | BEDROOM | 100.0 | 100.0 | 100.0 | 89.5 | 100 | 100.0 | |
| 1935 | BEDROOM | 100.0 | 100.0 | 100.0 | 84.4 | 100 | 100.0 | |
| 1936 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1937 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1938 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1939 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1940 | L/K/D | 100.0 | 96.2 | 65.7 | 35.5 | 200 | 65.7 | |
| 1941 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1942 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1943 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1944 | L/K/D | 100.0 | 100.0 | 85.6 | 58.3 | 200 | 85.6 | |
| 1945 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1946 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1947 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1948 | L/K/D | 100.0 | 100.0 | 100.0 | 99.6 | 200 | 100.0 | |
| 1949 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1950 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1951 | L/K/D | 100.0 | 99.2 | 69.3 | 48.1 | 200 | 69.3 | |
| 1952 | L/K/D | 100.0 | 100.0 | 97.4 | 61.5 | 200 | 97.4 | |
| 1953 | BEDROOM | 100.0 | 100.0 | 100.0 | 53.5 | 100 | 100.0 | |
| 1954 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1955 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1956 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1957 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1958 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1959 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1960 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1961 | L/K/D | 100.0 | 100.0 | 100.0 | 76.6 | 200 | 100.0 | |
| 1962 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1963 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1964 | L/K/D | 100.0 | 92.1 | 66.8 | 48.7 | 200 | 66.8 | |
| 1965 | L/K/D | 100.0 | 100.0 | 100.0 | 71.7 | 200 | 100.0 | |
| 1966 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1967 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1968 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1969 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 1970 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |
| 1971 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |

| | | SUNLIGHT (Lat: 53.43 , Min Solar Alt: 11 ) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | 1 FEB | | 25 FEB | | 21 MAR | | ABOVE/ BELOW (-1 to 1) |
| | | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | |
| 1918 | BEDROOM | 2.9 | 02:55 | 3.9 | 03:55 | 4.8 | 04:50 | |
| 1919 | BEDROOM | 2.8 | 02:50 | 3.8 | 03:50 | 4.8 | 04:45 | |
| 1920 | L/K/D | 3.8 | 03:50 | 4.8 | 04:45 | 5.5 | 05:30 | |
| 1921 | L/K/D | 1.4 | 01:25 | 2.6 | 02:35 | 3.6 | 03:35 | |
| 1922 | BEDROOM | 0.9 | 00:55 | 2.1 | 02:05 | 3.3 | 03:15 | |
| 1923 | BEDROOM | 0.9 | 00:55 | 2.1 | 02:05 | 3.3 | 03:15 | |
| 1924 | BEDROOM | 0.9 | 00:55 | 2.1 | 02:05 | 3.3 | 03:15 | |
| 1925 | L/K/D | 1.4 | 01:25 | 2.6 | 02:35 | 3.6 | 03:35 | |
| 1926 | BEDROOM | 1.3 | 01:20 | 2.5 | 02:30 | 3.6 | 03:35 | |
| 1927 | L/K/D | 1.1 | 01:05 | 2.3 | 02:15 | 3.3 | 03:20 | |
| 1928 | BEDROOM | 0.9 | 00:55 | 2.1 | 02:05 | 3.3 | 03:15 | |
| 1929 | L/K/D | 1.4 | 01:25 | 2.6 | 02:35 | 3.6 | 03:35 | |
| 1930 | BEDROOM | 0.0 | 00:00 | 1.8 | 01:45 | 3.3 | 03:15 | |
| 1931 | L/K/D | 0.0 | 00:00 | 1.1 | 01:05 | 3.3 | 03:20 | |
| 1932 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1933 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1934 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1935 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.9 | 00:55 | |
| 1936 | L/K/D | 0.0 | 00:00 | 3.3 | 03:20 | 4.3 | 04:20 | |
| 1937 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1938 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1939 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1940 | L/K/D | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1941 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.8 | 00:50 | |
| 1942 | BEDROOM | 0.0 | 00:00 | 1.5 | 01:30 | 4.3 | 04:15 | |
| 1943 | L/K/D | 2.8 | 02:45 | 3.8 | 03:45 | 4.6 | 04:35 | |
| 1944 | L/K/D | 2.8 | 02:50 | 3.8 | 03:50 | 4.8 | 04:45 | |
| 1945 | BEDROOM | 2.5 | 02:30 | 3.5 | 03:30 | 4.5 | 04:30 | |
| 1946 | BEDROOM | 2.5 | 02:30 | 3.5 | 03:30 | 4.5 | 04:30 | |
| 1947 | BEDROOM | 2.5 | 02:30 | 3.5 | 03:30 | 4.5 | 04:30 | |
| 1948 | L/K/D | 2.8 | 02:50 | 3.9 | 03:55 | 4.8 | 04:45 | |
| 1949 | BEDROOM | 2.4 | 02:25 | 3.4 | 03:25 | 4.4 | 04:25 | |
| 1950 | BEDROOM | 2.9 | 02:55 | 3.9 | 03:55 | 4.8 | 04:45 | |
| 1951 | L/K/D | 2.6 | 02:35 | 3.6 | 03:35 | 4.6 | 04:35 | |
| 1952 | L/K/D | 2.9 | 02:55 | 3.9 | 03:55 | 4.8 | 04:45 | |
| 1953 | BEDROOM | 1.8 | 01:45 | 2.8 | 02:50 | 3.8 | 03:50 | |
| 1954 | BEDROOM | 2.2 | 02:10 | 3.3 | 03:15 | 4.3 | 04:15 | |
| 1955 | BEDROOM | 2.8 | 02:45 | 3.8 | 03:50 | 4.7 | 04:40 | |
| 1956 | BEDROOM | 1.9 | 01:55 | 3.0 | 03:00 | 4.0 | 04:00 | |
| 1957 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 9.8 | 09:45 | |
| 1958 | BEDROOM | 5.9 | 05:55 | 7.9 | 07:55 | 9.7 | 09:40 | |
| 1959 | BEDROOM | 5.9 | 05:55 | 7.9 | 07:55 | 9.7 | 09:40 | |
| 1960 | BEDROOM | 5.9 | 05:55 | 7.9 | 07:55 | 9.7 | 09:40 | |
| 1961 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 9.8 | 09:45 | |
| 1962 | BEDROOM | 5.9 | 05:55 | 7.9 | 07:55 | 9.8 | 09:45 | |
| 1963 | BEDROOM | 5.9 | 05:55 | 7.9 | 07:55 | 9.7 | 09:40 | |
| 1964 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 9.7 | 09:40 | |
| 1965 | L/K/D | 5.9 | 05:55 | 7.9 | 07:55 | 9.8 | 09:45 | |
| 1966 | BEDROOM | 5.9 | 05:55 | 7.9 | 07:55 | 9.7 | 09:40 | |
| 1967 | BEDROOM | 5.9 | 05:55 | 7.9 | 07:55 | 9.2 | 09:10 | |
| 1968 | BEDROOM | 5.9 | 05:55 | 7.9 | 07:55 | 9.6 | 09:35 | |
| 1969 | BEDROOM | 5.9 | 05:55 | 7.9 | 07:55 | 9.6 | 09:35 | |
| 1970 | L/K/D | 4.1 | 04:05 | 4.1 | 04:05 | 5.0 | 05:00 | |
| 1971 | BEDROOM | 3.1 | 03:05 | 4.0 | 04:00 | 4.9 | 04:55 | |

| ROOM REF. | ROOM USE | DAYLIGHT<br>EN SPATIAL DAYLIGHT AUTONOMY<br>percentage of room achieving target illuminance for 2190 hrs (50% of daylit hours)<br>Weather File: IRL_Dublin | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 100 | 150 | 200 | 300 | BS EN17037:2018 TARGET | RELEVANT ENSDA | ABOVE/ BELOW (-25 to 25) |
| BLOCK08 - GROUND FLOOR | | | | | | | | |
| 1972 | LIVING ROOM | 100.0 | 100.0 | 98.0 | 59.8 | 150 | 100.0 | |
| 1973 | KITCHEN | 100.0 | 100.0 | 100.0 | 72.0 | 200 | 100.0 | |
| 1974 | BEDROOM | 100.0 | 58.0 | 38.5 | 18.2 | 100 | 100.0 | |
| 1975 | L/K/D | 100.0 | 100.0 | 100.0 | 88.4 | 200 | 100.0 | |
| 1976 | L/K/D | 100.0 | 100.0 | 100.0 | 80.5 | 200 | 100.0 | |
| 1977 | BEDROOM | 100.0 | 63.6 | 42.7 | 21.7 | 100 | 100.0 | |
| 1978 | KITCHEN | 100.0 | 100.0 | 91.7 | 57.2 | 200 | 91.7 | |
| 1979 | LIVING ROOM | 100.0 | 100.0 | 95.1 | 59.8 | 150 | 100.0 | |
| 1980 | LIVING ROOM | 100.0 | 100.0 | 100.0 | 96.1 | 150 | 100.0 | |
| 1981 | KITCHEN | 100.0 | 99.3 | 80.6 | 52.1 | 200 | 80.6 | |
| 1982 | BEDROOM | 100.0 | 100.0 | 100.0 | 69.2 | 100 | 100.0 | |
| 1983 | L/K/D | 100.0 | 100.0 | 100.0 | 76.5 | 200 | 100.0 | |
| 1984 | L/K/D | 100.0 | 100.0 | 100.0 | 98.6 | 200 | 100.0 | |
| 1985 | BEDROOM | 100.0 | 100.0 | 100.0 | 76.2 | 100 | 100.0 | |
| 1986 | BEDROOM | 83.6 | 47.9 | 30.3 | 16.4 | 100 | 83.6 | |
| 1987 | BEDROOM | 63.0 | 44.4 | 31.1 | 13.3 | 100 | 63.0 | |
| 1988 | L/K/D | 100.0 | 100.0 | 100.0 | 96.9 | 200 | 100.0 | |

| | | SUNLIGHT (Lat: 53.43 , Min Solar Alt: 11 ) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ROOM REF. | ROOM USE | 1 FEB | | 25 FEB | | 21 MAR | | ABOVE/ BELOW (-1 to 1) |
| | | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | |
| BLOCK08 - GROUND FLOOR | | | | | | | | |
| 1972 | LIVING ROOM | 0.4 | 00:25 | 2.3 | 02:15 | 2.1 | 02:05 | |
| 1973 | KITCHEN | 3.2 | 03:10 | 3.9 | 03:55 | 4.6 | 04:35 | |
| 1974 | BEDROOM | 0.5 | 00:30 | 0.8 | 00:45 | 0.9 | 00:55 | |
| 1975 | L/K/D | 3.1 | 03:05 | 3.8 | 03:50 | 4.5 | 04:30 | |
| 1976 | L/K/D | 3.0 | 03:00 | 3.7 | 03:40 | 4.4 | 04:25 | |
| 1977 | BEDROOM | 0.3 | 00:20 | 0.5 | 00:30 | 0.9 | 00:55 | |
| 1978 | KITCHEN | 2.8 | 02:50 | 3.6 | 03:35 | 4.3 | 04:20 | |
| 1979 | LIVING ROOM | 0.2 | 00:10 | 0.3 | 00:20 | 0.9 | 00:55 | |
| 1980 | LIVING ROOM | 0.7 | 00:40 | 1.1 | 01:05 | 1.8 | 01:45 | |
| 1981 | KITCHEN | 2.4 | 02:25 | 3.1 | 03:05 | 3.8 | 03:50 | |
| 1982 | BEDROOM | 0.0 | 00:00 | 0.5 | 00:30 | 0.6 | 00:35 | |
| 1983 | L/K/D | 2.3 | 02:20 | 3.1 | 03:05 | 5.3 | 05:20 | |
| 1984 | L/K/D | 2.8 | 02:50 | 4.6 | 04:35 | 5.3 | 05:20 | |
| 1985 | BEDROOM | 0.0 | 00:00 | 0.1 | 00:05 | 0.6 | 00:35 | |
| 1986 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1987 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1988 | L/K/D | 4.4 | 04:25 | 5.8 | 05:45 | 5.6 | 05:35 | |

| ROOM REF. | ROOM USE | DAYLIGHT<br>EN SPATIAL DAYLIGHT AUTONOMY<br>percentage of room achieving target illuminance for 2190 hrs (50% of daylit hours)<br>Weather File: IRL_Dublin | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 100 | 150 | 200 | 300 | BS EN17037:2018 TARGET | RELEVANT ENSDA | ABOVE/ BELOW (-25 to 25) |
| BLOCK08 - FIRST FLOOR | | | | | | | | |
| 1989 | BEDROOM | 100.0 | 100.0 | 100.0 | 84.8 | 100 | 100.0 | |
| 1990 | BEDROOM | 100.0 | 100.0 | 100.0 | 69.0 | 100 | 100.0 | |
| 1991 | BEDROOM | 94.9 | 49.3 | 24.9 | 9.7 | 100 | 94.9 | |
| 1992 | BEDROOM | 100.0 | 93.0 | 51.7 | 27.3 | 100 | 100.0 | |
| 1993 | BEDROOM | 92.7 | 53.7 | 36.6 | 19.5 | 100 | 92.7 | |
| 1994 | BEDROOM | 87.3 | 55.7 | 40.5 | 20.3 | 100 | 87.3 | |
| 1995 | BEDROOM | 100.0 | 96.6 | 58.0 | 28.7 | 100 | 100.0 | |
| 1996 | BEDROOM | 99.5 | 76.5 | 40.1 | 17.1 | 100 | 99.5 | |
| 1997 | BEDROOM | 100.0 | 100.0 | 100.0 | 60.4 | 100 | 100.0 | |
| 1998 | BEDROOM | 100.0 | 100.0 | 100.0 | 80.4 | 100 | 100.0 | |
| 1999 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 2000 | BEDROOM | 100.0 | 100.0 | 100.0 | 62.6 | 100 | 100.0 | |
| 2001 | BEDROOM | 97.7 | 53.9 | 27.2 | 10.1 | 100 | 97.7 | |
| 2002 | BEDROOM | 100.0 | 100.0 | 100.0 | 77.9 | 100 | 100.0 | |
| 2003 | BEDROOM | 100.0 | 100.0 | 95.1 | 58.5 | 100 | 100.0 | |
| 2004 | BEDROOM | 100.0 | 100.0 | 96.2 | 62.0 | 100 | 100.0 | |
| 2005 | BEDROOM | 100.0 | 100.0 | 100.0 | 90.8 | 100 | 100.0 | |
| 2006 | BEDROOM | 99.1 | 74.7 | 38.2 | 16.1 | 100 | 99.1 | |
| 2007 | BEDROOM | 100.0 | 100.0 | 100.0 | 99.3 | 100 | 100.0 | |
| 2008 | L/K/D | 100.0 | 100.0 | 100.0 | 100.0 | 200 | 100.0 | |

| ROOM REF. | ROOM USE | DAYLIGHT<br>EN SPATIAL DAYLIGHT AUTONOMY<br>percentage of room achieving target illuminance for 2190 hrs (50% of daylit hours)<br>Weather File: IRL_Dublin | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 100 | 150 | 200 | 300 | BS EN17037:2018 TARGET | RELEVANT ENSDA | ABOVE/ BELOW (-25 to 25) |
| BLOCK08 - SECOND FLOOR | | | | | | | | |
| 2009 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 2010 | BEDROOM | 100.0 | 100.0 | 97.3 | 42.2 | 100 | 100.0 | |
| 2011 | LIVING ROOM | 100.0 | 63.8 | 33.8 | 15.2 | 150 | 63.8 | |
| 2012 | KITCHEN | 100.0 | 100.0 | 99.3 | 55.6 | 200 | 99.3 | |
| 2013 | KITCHEN | 100.0 | 100.0 | 100.0 | 56.4 | 200 | 100.0 | |
| 2014 | LIVING ROOM | 100.0 | 90.0 | 51.4 | 24.8 | 150 | 90.0 | |
| 2015 | BEDROOM | 100.0 | 97.3 | 65.8 | 21.9 | 100 | 100.0 | |
| 2016 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 2017 | BEDROOM | 100.0 | 100.0 | 100.0 | 100.0 | 100 | 100.0 | |
| 2018 | BEDROOM | 100.0 | 100.0 | 96.8 | 41.7 | 100 | 100.0 | |
| 2019 | LIVING ROOM | 100.0 | 85.7 | 43.3 | 18.6 | 150 | 85.7 | |
| 2020 | KITCHEN | 100.0 | 100.0 | 100.0 | 87.3 | 200 | 100.0 | |
| 2021 | KITCHEN | 100.0 | 100.0 | 100.0 | 96.0 | 200 | 100.0 | |
| 2022 | LIVING ROOM | 100.0 | 98.6 | 57.1 | 24.8 | 150 | 98.6 | |

| ROOM REF. | ROOM USE | SUNLIGHT (Lat: 53.43 , Min Solar Alt: 11 ) | | | | | | ABOVE/ BELOW (-1 to 1) |
|---|---|---|---|---|---|---|---|---|
| | | 1 FEB | | 25 FEB | | 21 MAR | | |
| | | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | |
| BLOCK08 - FIRST FLOOR | | | | | | | | |
| 1989 | BEDROOM | 1.2 | 01:10 | 2.4 | 02:25 | 5.3 | 05:15 | |
| 1990 | BEDROOM | 2.9 | 02:55 | 3.9 | 03:55 | 4.8 | 04:50 | |
| 1991 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 1992 | BEDROOM | 0.5 | 00:30 | 0.7 | 00:40 | 1.2 | 01:10 | |
| 1993 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.5 | 00:30 | |
| 1994 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.5 | 00:30 | |
| 1995 | BEDROOM | 0.3 | 00:20 | 0.5 | 00:30 | 1.2 | 01:10 | |
| 1996 | BEDROOM | 3.1 | 03:05 | 3.4 | 03:25 | 3.0 | 03:00 | |
| 1997 | BEDROOM | 2.9 | 02:55 | 3.9 | 03:55 | 4.8 | 04:50 | |
| 1998 | BEDROOM | 0.2 | 00:10 | 0.5 | 00:30 | 1.4 | 01:25 | |
| 1999 | BEDROOM | 0.7 | 00:40 | 1.8 | 01:45 | 4.8 | 04:45 | |
| 2000 | BEDROOM | 2.9 | 02:55 | 3.9 | 03:55 | 4.8 | 04:50 | |
| 2001 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 2002 | BEDROOM | 0.0 | 00:00 | 0.6 | 00:35 | 0.8 | 00:45 | |
| 2003 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.1 | 00:05 | |
| 2004 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.1 | 00:05 | |
| 2005 | BEDROOM | 0.0 | 00:00 | 0.2 | 00:10 | 0.8 | 00:45 | |
| 2006 | BEDROOM | 3.1 | 03:05 | 3.4 | 03:25 | 3.0 | 03:00 | |
| 2007 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 2008 | L/K/D | 4.6 | 04:35 | 5.8 | 05:45 | 5.5 | 05:30 | |

| ROOM REF. | ROOM USE | SUNLIGHT (Lat: 53.43 , Min Solar Alt: 11 ) | | | | | | ABOVE/ BELOW (-1 to 1) |
|---|---|---|---|---|---|---|---|---|
| | | 1 FEB | | 25 FEB | | 21 MAR | | |
| | | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | DECIMAL | HOURS:MIN | |
| BLOCK08 - SECOND FLOOR | | | | | | | | |
| 2009 | BEDROOM | 5.7 | 05:40 | 6.5 | 06:30 | 6.2 | 06:10 | |
| 2010 | BEDROOM | 4.8 | 04:50 | 6.5 | 06:30 | 6.6 | 06:35 | |
| 2011 | LIVING ROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 2012 | KITCHEN | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 2013 | KITCHEN | 0.0 | 00:00 | 0.3 | 00:15 | 1.1 | 01:05 | |
| 2014 | LIVING ROOM | 3.1 | 03:05 | 3.4 | 03:25 | 4.5 | 04:30 | |
| 2015 | BEDROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 2016 | BEDROOM | 0.3 | 00:15 | 0.8 | 00:50 | 1.8 | 01:45 | |
| 2017 | BEDROOM | 5.3 | 05:20 | 6.2 | 06:10 | 5.8 | 05:45 | |
| 2018 | BEDROOM | 4.8 | 04:50 | 6.5 | 06:30 | 6.3 | 06:15 | |
| 2019 | LIVING ROOM | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 2020 | KITCHEN | 0.0 | 00:00 | 0.0 | 00:00 | 0.0 | 00:00 | |
| 2021 | KITCHEN | 0.0 | 00:00 | 0.3 | 00:15 | 1.5 | 01:30 | |
| 2022 | LIVING ROOM | 3.1 | 03:05 | 3.4 | 03:25 | 4.5 | 04:30 | |

gia
CHARTERED SURVEYORS

For further details please contact us on:


## LONDON

T 020 7202 1400
E mail@gia.uk.com

The Whitehouse
Belvedere Road
London SE1 8GA

## MANCHESTER

T 0161 672 5100
E manchester@gia.uk.com

2 Commercial Street
Manchester
M15 4RQ

## BELFAST

T 02892 449 674
E belfast@gia.uk.com

River House
48-60 High Street
Belfast BT1 2BE

## BRISTOL

T 0117 374 1504
E bristol@gia.uk.com

33 Bristol
Colston Avenue
Bristol BS1 4UA

## DUBLIN

T 020 7202 1400
E hello@giasurveyors.ie

77 Lower Camden Street
Dublin Ireland
D02 XE80