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The Arboury

Daylight and Sunlight Assessment Report

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3D DESIGN BUREAU

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1.0 Executive Summary

1.1 Summary of Assessment

3D Design Bureau were commissioned to carry out a comprehensive BRE daylight and sunlight assessment, along with an accompanying shadow study for the proposed SHD on the ABB Site on Belgard Road, Dublin 24.

The assessment has been broken down into the following two main categories, of which there are sub categories summarised further below:

- Impact assessment: Effect on the surrounding environment and properties, which includes VSC, APSH and sun on ground analysis. The effects were assessed in the baseline state versus the proposed state for the existing properties, and the granted state versus the cumulative state for the granted development located north of the subject site (ABP-303306-18);
- Scheme Performance: Daylight and sunlight assessment of the proposed development, which includes sun on ground in the proposed amenity spaces and internal daylighting (ADF) to the habitable rooms.

The impact assessment that was carried out for the purpose of this report has studied the potential levels of effect the surrounding existing and granted environment and/or properties would sustain should the proposed development be built as proposed.

This impact assessment covers the following categories:

- Effect on daylight (VSC) to surrounding properties. The effect to the VSC of the windows of the following neighbouring properties was assessed:
- Clarity House
- Killakee House
- The Square Industrial Complex
- Granted SHD: ABP-303306-18, **Block A3**
- Granted SHD: ABP-303306-18, **Block B1**
- Granted SHD: ABP-303306-18, **Block B2**
- Effect on sunlight (APSH) to surrounding properties. The effect to the APSH (annual and winter) of the windows of the following neighbouring properties was assessed:
- Granted SHD: ABP-303306-18, **Block A3**
- Granted SHD: ABP-303306-18, **Block B1**
- Granted SHD: ABP-303306-18, **Block B2**
- Effect on sun on ground to surrounding external amenity spaces and balconies:
- Granted SHD: ABP-303306-18, **Block B1**
- Granted SHD: ABP-303306-18, **Block B2**

Figure 1.1: Scope of surrounding properties and environment assessed.

The BRE Guidelines recommend that if any part of a new building or extension, measured in a vertical section perpendicular to a main window wall of an existing building, from the centre of the lowest window, does not subtend an angle of more than 25° to the horizontal, then the daylighting and sunlighting of the existing building are unlikely to be adversely affected. Using this guidance as a rule of thumb, The surrounding context was carefully considered to ensure all properties and amenity spaces that may potentially experience a level of effect were included in the study.

The daylight and sunlight assessment of the proposed development included an analysis of the levels of sunlight to the proposed amenity spaces, as well as access to daylight (ADF) in the habitable rooms of the proposed units within the development. All external amenity spaces as identified by the architect were assessed for sunlight. ADF Assessments were carried out for all habitable spaces across all floors of the proposed development.

Please see Page 4 for a detailed breakdown of results.

1.2 Impact Assessment Results Overview:

Effect to Vertical Sky Component (VSC) on neighbouring properties:

- Windows Assessed: 268
  - Imperceptible: 201 (~75%)
  - Not Significant: 30 (~11%)
  - Slight: 18 (~7%)
  - Moderate: 7 (~3%)
  - Significant: 12 (~4%)

Effect to Annual Probable Sunlight Hours (APSH):

- Windows Assessed: 211
  - Imperceptible: 189 (~90%)
  - Not Significant: 7 (~3%)
  - Moderate: 9 (~4%)
  - Significant: 6 (~3%)

Effect to Winter Probable Sunlight Hours (WPSH):

- Windows Assessed: 211
  - Imperceptible: 209 (~99%)
  - Moderate: 1 (~0.5%)
  - Significant: 1 (~0.5%)

Effect to Sun On Ground (SOG) in existing neighbouring gardens / amenity areas:

- Amenity Spaces Assessed: 2
  - Imperceptible: 2 (100%)
- Balconies Assessed: 14
  - Imperceptible: 14 (100%)

1.3 Scheme Performance Results Overview:

Sun On Ground (SOG) in proposed gardens / amenity areas:

- Areas Assessed: 7
  - Meeting the guidelines: 7

Average Daylight Factor (ADF) of internal proposed development:

- Rooms assessed: 816
- Rooms meeting the guidelines: 764
- Rooms not meeting the guidelines: 52
- Compliance rate: ~94%

2.0 Glossary

2.1 Terms and Definitions

Skylight
Non directional ambient light cast from the sky and environment.

Sunlight
Direct parallel rays of light emitted from the sun.

Daylight
Combined skylight and sunlight.

Overcast sky model
A completely overcast sky model, used for daylight calculation.

Baseline Model State
For the purpose of this report, the baseline model state considers both the subject site and the granted SHD to the north of the proposed site (ABP-303306-18) as they would have appeared prior to any construction work being carried out. i.e. The proposed and granted developments have not been included. This model state has been used when generating the baseline results for the existing properties.

Granted Model State
For the purpose of this report, the granted model state considers the granted SHD to the north of the proposed site (ABP-303306-18) as it would appear should it be fully constructed in accordance with the drawings as submitted for planning permission. In this model state, the development site is shown in its existing state, i.e. The proposed development has not been included. This model state has been used when generating all results in the baseline study.

Cumulative Model State
This model state has been generated to represent how the site and its surroundings would appear should the proposed development be constructed as proposed. The proposed development has been modelled into the baseline environment, including any proposed demolition works and full construction of (ABP-303306-18). This model state has been used when assessing the effect of the proposed development on the neighbouring properties, as well as assessments carried out within the proposed development itself.

Hypothetical Model State - Without Balconies
This model state exactly matches the cumulative model state with the exception of the balconies of the granted scheme (ABP-303306-18) which have been removed for the purpose of an additional hypothetical assessment.

Vertical Sky Component (VSC)
Ratio of that part of illuminance, at a point on a given vertical plane, that is received directly from an overcast sky model, to illuminance on a horizontal plane due to an unobstructed hemisphere of this sky. Usually the 'given vertical plane' is the outside of a window wall. The VSC does not include reflected light, either from the ground or from other buildings.

Annual Probable Sunlight Hours (APSH) / Winter Probable Sunlight Hours (WPSH)
Annual Probable Sunlight Hours (APSH) and Winter Probable Sunlight Hours are a measure of sunlight that a given window may expect over a year period (1 Jan - 31 Dec), or the winter period (21 Sep - 21 Mar) respectively.

It can be defined as the ratio between the annual or winter sunlight hours in a specific location, and the hours of sunlight an assessment point on a window actually receives.

North facing windows may receive sunlight on only a handful of occasions in a year, and windows facing eastwards or westwards will receive sunlight only at certain times of the day. Taking this into account, the BRE Guidelines suggest that windows with an orientation within 90 degrees of due south should be assessed.

Sun On Ground (SOG)
Assessment of what portion of a garden or amenity space is capable of receiving 2 hours or more of direct sunlight on March 21st. This study is typically carried out at ground level, but is taken at handrail level for balcony studies.

Average Daylight Factor (ADF)
Ratio of total daylight flux incident on the working plane to the area of the working plane, expressed as a percentage of the outdoor illuminance on a horizontal plane due to an unobstructed overcast sky model.

Thus a 1% ADF would mean that the average indoor illuminance would be one hundredth the outdoor unobstructed illuminance.

Working plane
Horizontal, vertical or inclined plane in which a visual task lies. Normally the working plane may be taken to be horizontal, 850 mm above the floor in houses and factories, 700 mm above the floor in offices. The plane is offset 500 mm from the room boundaries.

LKD
Living / Kitchen / Dining room.

BRE Target Value
When assessing the effect a proposed development would have on a neighbouring property, a target value will be applied. This applied target value is generated as per the criteria set out for each study in the BRE Guidelines.

Alternative Target Value
It could be appropriate to use alternative target values when conducting assessment of effect on existing properties. If such instances occur the rationale will be clearly explained and the instances where the alternative target values have been applied will be clearly identified.

Level of BRE Compliance
Each table in the study that has a column identified as "Level of BRE Compliance", identifies how an assessed instance performs in relation to the appropriate target value. If the instance is in compliance with the recommendations as made in the BRE Guidelines the value will be expressed as "BRE Compliant". If the instance does not meet the criteria as set out in the BRE Guidelines a percentage will be expressed to determine the level of compliance with the recommendation. This value determines the definition of effect.

LUX
Lux is a standardised unit of measurement of light level intensity. A measurement of 1 lux is equal to the illumination of a one metre square surface that is one metre away from a single candle.

2.2 Definition of Effects

In order to categorise the varying degrees of compliance with the BRE Guidelines when assessing the effect a proposed development would have on the daylight and sunlight of an existing property, 3DDB have assigned numerical values to the levels of effect as listed in '*Guidelines on the Information to be Contained in Environmental Impact Assessment Reports*' prepared by the Environmental Protection Agency (Draft of 2017), and to *Directive 2011/92/EU (as amended by Directive 2014/52/EU).*

The list of definitions given below is taken from Table 3.3: Descriptions of Effects contained in the draft '*Guidelines on the Information to be Contained in Environmental Impact Assessment Reports*' prepared by the Environmental Protection Agency. Some comment is also given below on what these definitions might imply in the case of sunlight access.

Note: There are many factors to be taken into consideration when determining levels of effect. We have included typical numerical values that we have used when assigning levels of effect. These values should not be applied rigidly, but rather as a guide. Circumstances may occur that lead to flexibility being sought in our interpretation of these definitions. Such cases are always explained in the Analysis of Results section, if and when they occur.

Imperceptible
An effect capable of measurement but without significant consequences. For the purposes of this Sunlight and Daylight Assessment Report an "imperceptible" level of effect will be stated if the level of effect is within the criteria as recommended in the BRE Guidelines and the applied target value has been achieved.

Not Significant
An effect which causes noticeable changes in the character of the environment but without significant consequences. For the purposes of this Sunlight and Daylight Assessment Report, a "not significant" level of effect will be stated if the level of effect is marginally outside of the criteria as stated in the BRE Guidelines. Typically a "not significant" level of effect will be applied if the level of daylight or sunlight is reduced to between 90-99% of the applied target value.

Slight
An effect which causes noticeable changes in the character of the environment without affecting its sensitivities. For the purposes of this Sunlight and Daylight Assessment Report, a "slight" level of effect will be stated if the level of daylight or sunlight is reduced to between 75-90% of the applied target value.

Moderate
An effect that alters the character of the environment in a manner that is consistent with existing and emerging trends. For the purposes of this Sunlight and Daylight Assessment Report, a "moderate" level of effect will be stated if the level of daylight or sunlight is reduced to between 50-75% of the applied target value. A "moderate" level of effect would be quite typical in instances where a proposed development is planned on an under-developed plot of land. The level of daylight and/or sunlight of an assessed property is reduced in a manner that is consistent with similar properties in the immediate surrounding area.

Significant
An effect which, by its character, magnitude, duration or intensity alters a sensitive aspect of the environment. For the purposes of this Sunlight and Daylight Assessment Report a "significant" level of effect will be stated if the proposed development reduces the availability of daylight or sunlight of a neighbouring property to a low level. Typically a "significant" level of effect will be stated if the level of daylight or sunlight is reduced to between 30-50% of the applied target value.

Very Significant
An effect which, by its character, magnitude, duration or intensity significantly alters most of a sensitive aspect of the environment. For the purposes of this Sunlight and Daylight Assessment Report a "very significant" level of effect will be stated if the proposed development reduces the availability of daylight or sunlight of a neighbouring property to a very low level. Typically a "'very significant" level of effect will be stated if the level of daylight or sunlight is reduced to between 10-30% of the applied target value.

Profound
An effect which obliterates sensitive characteristics. For the purposes of this Sunlight and Daylight Assessment Report, a "profound" level of effect will only be stated if the proposed development reduces the availability of daylight or sunlight of a neighbouring property to a level that is less than 10% of the applied target value.

Positive Effect
In relation to sunlight or daylight access, it is conceivable that there could be positive effects, but this implies that a development would involve a reduction of the size or scale of built form (e.g. such as the demolition of a building, which might result in an increase in sunlight access). Though that is possible, it is usually unlikely as most development involves the construction of new obstructions to sunlight access.

2.3 Index of Tables

2.3.1 Impact Assessment: Vertical Sky Component

Below is an example of the table used to describe the effect on VSC.

Table No. 2.1: Example of VSC Table for an Impact Assessment						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended Minimum VSC	Level of Compliance with BRE Guidelines	Effect of Proposed Development
House Number/Floor						
A	**B**	**C**	**D**	**E**	**F**	**G**

A: Window Number

The number in this column will identify the assessed window. All windows are represented visually in the corresponding figure.

B: Baseline VSC Value

The *Baseline VSC Value* represents the VSC value of the assessed window is calculated in the existing baseline model state (as explained in the "Glossary" on page 5).

C: Proposed VSC Value

The *Proposed VSC Value* represents the VSC value of the assessed window calculated in the proposed model state (as explained in the "Glossary" on page 5).

D: Ratio of Proposed VSC to Baseline VSC

This column expressed the ratio of change between the baseline VSC value and the proposed VSC value. The BRE Guidelines recommend that if the proposed value is less than 0.8 times the baseline value, then the reduction in daylight is more likely to be perceptible.

E: Recommended minimum VSC

The *BRE Target Value* for each window has been set according to the BRE Guidelines. The Guidelines state that a proposed development could possibly have a noticeable effect on the daylight received by an existing window, if the VSC value **both** drops below the guideline value of 27% **and** the VSC value is less than 0.8 times the baseline value.

Therefore, to determine the *recommended minimum Value*, 80% of the *Baseline VSC value* has been calculated. If this value is above the 27% threshold, a target value of 27% will be applied. If 80% of the baseline value is below 27%, then 80% of the baseline value is the appropriate target value.

F: Level of Compliance with the BRE Guidelines

This column states the compliance of the *Proposed VSC Value* with the *recommended minimum VSC* as per the BRE Guidelines. In essence, it shows whether or not the assessed window would experience a perceptible level of impact. If the window complies with the BRE Guidelines this cell will state "*BRE Compliant*". If the window does not meet the criteria as set out in the BRE Guidelines, a percentage of compliance with the *recommended minimum* will be stated.

G: Effect of Proposed Development

The levels of effect in this column describe the effect an assessed window will experience, based on its compliance with the *BRE Target Value*. The levels of effect used in this report have regard to the '*Guidelines on the Information to be Contained in Environmental Impact Assessment Reports*' prepared by the Environmental Protection Agency (Draft of 2017), and to *Directive 2011/92/EU (as amended by Directive 2014/52/EU)* and a full list can be found in "*Definition of Effects*" on page 6.

2.3.2 Impact Assessment: to Annual/Winter Probable Sunlight Hours (APSH/WPSH)

Below is an example of the table used to describe the effect to the APSH/WPSH of existing windows.

Table No. 2.2: Example of APSH/WPSH Impact Table for an Impact Assessment

Window Number	Baseline APSH/ WPSH	Proposed APSH/ WPSH	Ratio of Proposed to Baseline APSH/ WPSH	Recommended Minimum APSH/WPSH	Level of Compliance with BRE Guidelines	Effect of Proposed Development
House Number/Floor						
A	**B**	**C**	**D**	**E**	**F**	**G**

A: Window Number

The number in this column will identify the assessed window. All windows are represented visually in the corresponding figure.

B: Baseline APSH/WPSH

The *APSH/WPSH Value* represents percentage of the probable sunlight hours that the assessed window can receive, calculated in the existing baseline model state (as explained in the "Glossary" on page 5). The annual and winter assessments will be represented in separate tables.

C: Proposed APSH/WPSH

The *Proposed APSH/WPSH Value* represents the percentage of probable sunlight hours that the assessed window can receive, calculated in the proposed model state (as explained in the "Glossary" on page 5).

D: Ratio of Proposed to Baseline APSH/WPSH

This column expressed the ratio of change between the baseline APSH/WPSH value and the proposed APSH/WPSH value. The BRE Guidelines recommend that if the proposed value is less than 0.8 times the baseline value, then the reduction to sunlight is more likely to be perceptible.

E: Recommended Minimum APSH/WPSH

The *BRE Target Value* for each window has been set according to the BRE Guidelines. The Guidelines state that a proposed development could possibly have a noticeable effect on the sunlight received by an existing window, if the APSH value drops below the annual (25%) or WPSH value below the winter (5%) guidelines; **and** the APSH/WPSH value is less than 0.8 times the baseline value; **and** there is a reduction of more than 4% to the APSH.

Therefore, to determine the *recommended minimum APSH Value* for the annual study, 80% of the *Baseline APSH value* has been calculated. If this value is above the 25% threshold, a target value of 25% will be applied. If 80% of the baseline value is below 25%, then 80% of the baseline value is the appropriate target value.

To determine the *recommended minimum WPSH Value* for the winter study, 80% of the *Baseline winter APSH value* has been calculated. If this value is above the 5% threshold, a target value of 5% will be applied. If 80% of the baseline value is below 5%, then 80% of the baseline value is the appropriate target value.

F: Level of Compliance with BRE Guidelines

This column states the compliance of the *Proposed APSH/WPSH Value* with the *recommended minimum APSH/WPSH* as per the BRE Guidelines. In essence, it shows whether or not the assessed window would experience a perceptible level of impact. If the window complies with the BRE Guidelines this cell will state "*BRE Compliant*". If the window does not meet the criteria as set out in the BRE Guidelines, a percentage of compliance with the *recommended minimum* will be stated.

G: Effect of Proposed Development

The levels of effect in this column describe the effect an assessed window will experience, based on its compliance with the *BRE Target Value*. The levels of effect used in this report have regard to the '*Guidelines on the Information to be Contained in Environmental Impact Assessment Reports*' prepared by the Environmental Protection Agency (Draft of 2017), and to *Directive 2011/92/EU (as amended by Directive 2014/52/EU)* and a full list can be found in *"Definition of Effects"* on page 6.

2.3.3 Impact Assessment: Sun On Ground

Below is an example of the table used to describe the effect on SOG in existing gardens and amenity spaces.

Table No. 2.3: Example of SOG Table or an Impact Assessment						
Address	% of Area to Receive Above 2 Hours Sunlight on March 21st (Target >50%)				Level of Compliance with BRE Guidelines	Effect of Proposed Development
	Baseline	Proposed	Ratio of Proposed to Baseline	Recommended Minimum as per BRE Guidelines		
A	**B**	**C**	**D**	**E**	**F**	**G**

A: Address

This column contains the address of the assessed garden/amenity space. The locations of the gardens and amenity spaces assessed are visually represented in a corresponding figure.

B: Baseline

Baseline represents percentage of the assessed space's area that can receive more than 2 hours of sunlight on March 21st, calculated in the existing baseline model state (as explained in the "Glossary" on page 5).

C: Proposed

Proposed represents percentage of the assessed space's area that can receive more than 2 hours of sunlight on March 21st, calculated in the proposed model state (as explained in the "Glossary" on page 5).

D: Ratio of Proposed to Baseline

This column expressed the ratio of change between the baseline and the proposed values. The BRE Guidelines recommend that if the proposed value is less than 0.8 times the baseline value, then the reduction to sunlight is more likely to be perceptible.

E: Recommended Minimum as per the BRE Guidelines

The BRE Guidelines indicate that a proposed development could possibly have a noticeable effect on the sunlight received by an existing garden and/or amenity area, if half the area of the space does not receive at least two hours of sunlight during the spring equinox; **and** the area that receives more than two hours of sun on the spring equinox is less than 0.8 times its former value.

To determine the *recommended minimum*, 80% of the *Baseline* value has been calculated. If this value is above the 50% threshold, a target value of 50% will be applied. If 80% of the baseline value is below 50%, then 80% of the baseline value is the appropriate target value.

F: Level of BRE Compliance

This column states the compliance of the *Proposed* sunlight value with the *recommended minimum as per the BRE Guidelines*. In essence, it shows whether or not the assessed garden or amenity area would experience a perceptible level of impact. If the garden or amenity area complies with the BRE Guidelines this cell will state "*BRE Compliant*". If the garden or amenity area does not meet the criteria as set out in the BRE Guidelines, a percentage of compliance with the *recommended minimum* will be stated.

G: Effect of Proposed Development

The levels of effect in this column describe the effect an assessed garden or amenity space will experience, based on its compliance with the *BRE Target Value*. The levels of effect used in this report have regard to the '*Guidelines on the Information to be Contained in Environmental Impact Assessment Reports*' prepared by the Environmental Protection Agency (Draft of 2017), and to *Directive 2011/92/EU (as amended by Directive 2014/52/EU)* and a full list can be found in "*Definition of Effects*" on page 6.

2.3.4 Scheme Performance: SOG in Proposed Gardens and Amenity Spaces

Below is an example of the table used to describe SOG in proposed gardens and amenity spaces.

Table No. 2.4: Example of SOG Table for Scheme Performance			
Assessed Area	Area Capable of Receiving 2 Hours of Sunlight on March 21st	Recommended Minimum	Level of Compliance with BRE Guidelines
A	**B**	**C**	**D**

A: Assessed Area

This column identifies the assessed garden/amenity area.

B: Area Capable of Receiving 2 Hours of Sunlight on March 21st

The percentage of the proposed area that can receive more than 2 hours of sunlight on March 21st.

C: Recommended Minimum

The BRE Guidelines state that the percentage of a garden/amenity area that can receive more than 2 hours of sunlight on March 21st should be 50%. The target value for all spaces is set to 50%.

D: Level of Compliance with BRE Guidelines

This column states the compliance of the assessed space with the *BRE Target Value*. If the assessed garden or amenity area complies with the BRE Guidelines this cell will state "*BRE Compliant*". If the garden or amenity area does not meet the criteria as set out in the BRE Guidelines, a percentage of compliance with the *recommended minimum* will be stated.

2.3.5 Scheme Performance: Average Daylight Factor

Below is an example of the table used to describe the daylight factor in proposed units.

Table No. 2.5: Example of ADF Results Table for Scheme Performance		
Unit Number	Room Description	Predicted ADF Value
A	**B**	**C**

A: Unit Number

This column identifies the assessed unit. All unit numbers are determined by the architect's drawings, unless otherwise stated.

B: Room Description

Room Description details which room of the unit has been assessed, e.g. bedroom, living room, etc.

C: Predicted ADF Value

The average daylight factor calculated for an assessed room.

2.3.6 Alternative Daylight Standards

Below is an example of the table used to describe the alternative daylight standard results..

Table No. 2.6: Example of Table for Alternative Daylight Standards Results for Scheme Performance								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria	% of area above target Lux (recommendation >50%)	Meets Criteria*
House Number/Floor								
A	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**

A: Unit Number

This column identifies the assessed unit. All unit numbers are determined by the architect's drawings, unless otherwise stated.

B: Room Description

Room Description details which room of the unit has been assessed, e.g. bedroom, living room, etc.

C: Predicted ADF Value

The average daylight factor calculated for an assessed room.

D: Meets Criteria (BS 8206-2)

This column states if the assessed room achieves the ADF recommendation as per BS 8206-2:
(An ADF above 2.0% for Kitchens, 1.5% for Living Rooms or above 1.0% for Bedrooms).

E: % of area above 300 Lux

EN 17037 recommends at least 50% of the work-plane receives above 300 lux for at least half the daylight hours.

This column states percentage of the work-plane of the assessed room that is capable of receiving more than 300 lux for at least half the daylight hours.

F: % of area above 100 Lux

EN 17037 recommends at least 95% of the work-plane receives above 100 lux for at least half the daylight hours.

This column states percentage of the work-plane of the assessed room that is capable of receiving more than 100 lux for at least half the daylight hours.

G: Meets Criteria (EN 17037)

This column states if the assessed room achieves the recommended level of daylight as per EN 17037.
(300 lux across more than 50% of the work plane and 100 lux across more than 95% of the work-plane for half the daylight hours)

H: % of area above Target Lux

BS EN 17037 recommends target lux levels to be achieved across at least 50% of the work-plane for at least half the daylight hours. The target values differ depending on the room function, 200 lux for Kitchens, 150 lux for Living Rooms or 100 lux for Bedrooms.

This column states percentage of the work-plane of the assessed room that is capable of receiving more than 300 lux for at least half the daylight hours.

I: Meets Criteria (BS EN 17037)

This column states if the assessed room achieves the recommended level of daylight as per BS EN 17037.
(Target lux levels achieved across more than 50% of the work plane).

3.0 Guidelines / Standards

Sustainable Urban Housing: Design Standards for New Apartments Guidelines for Planning Authorities. (2020)

In December of 2020, the Department of Housing, Planning and Local Government published a guidance document for new apartments, *Sustainable Urban Housing: Design Standards for New Apartments Guidelines for Planning Authorities*. This document makes reference to the British Standard, *BS 8206-2:2008: Lighting for Buildings - Part 2: Code of Practice for Daylighting* (the British Standard) and to the Building Research Establishment's *Site Layout Planning for Daylight and Sunlight: a Guide to Good Practice* (the BRE Guidelines).

Paragraph 6.7 of the 2020 apartment guidelines states:

"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 taking account of its assessment of specific [sic]. This may arise due to a 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 streetscape solution."

A European Standard was published in 2018, entitled EN 17037 Daylight in Buildings. Furthermore, British authorities have published and adopted a national annex to the European standards, BS EN 17037. Neither EN 17037 nor BS EN 17037 are referenced in the Irish guidance and to the best of our knowledge is not referenced in any planning guidance document issued by Irish planning authorities. The BRE Guidelines have not been withdrawn. Until official guidance or instruction is published by a relevant authority on this matter, 3DDB will continue to reference the BRE Guidelines in our daylight and sunlight assessments.

This report will identify where daylight and sunlight recommendations have not been achieved. Rationale and compensatory design solutions are the remits of the planning consultant and project architect, when possible these will also be included in this report.

BRE - Site Layout Planning for Daylight and Sunlight: a Guide to Good Practice (2011)

This document will be referred to as *the BRE Guidelines*. At the time of writing this report, the BRE Guidelines are in the second edition (BRE 209), with a third edition due for release. The BRE Guidelines sets out recommendations for appropriate levels of daylight and sunlight within a proposed development, as well as providing guidance on impacts arising from a proposed development to surrounding properties and amenity areas.

The BRE Guidelines will be used as the primary guiding document in the assessments that are carried out for the purpose of this report, as they are referenced in the Irish guidance document titled: *Sustainable Urban Housing: Design Standards for New Apartments*, as published in December of 2020 by the Department of Housing, Planning and Local Government.

A detailed description of the various recommendations for impact assessment and scheme performance is contained in section "4.0 Assessment Overview" on page 14 of this report.

BS 8206-2:2008: Lighting for Buildings - Part 2: Code of Practice for Daylighting (2008)

BS 8206-2:2008 is referenced in the second edition of the BRE Guidelines. It sets out minimum ADF recommendations for daylight within dwellings.

It should be noted that although this document has been superseded by EN 17037 / BS EN 17037, it is still considered to be the primary reference document as it is referenced in the BRE Guidelines, as well as the Irish guidance document *Sustainable Urban Housing: Design Standards for New Apartments*. Recommended minimum ADF values differ depending on the function of a room. An ADF of 2.0% is recommended for kitchens, 1.5% for living rooms and 1.0% for bedrooms. If a space has dual purposes it is advised that the higher target value should be applied.

EN 17037:2018 Daylight in Buildings (2018)

EN 17037 is a European Standard that provides recommendations for daylight within spaces using a different methodology than the Average Daylight Factor as used in the previous British Standard (BS 8206-2:2008).

EN 17037:2018 recommends that 300 lux should be received across 50% of the reference plane of a room for half of the daylight hours of the year. with no less than 100 lux received across 95% of the reference plane. No distinction is made for the function of the room for target lux levels within this standard.

The target values given within EN 17037 are difficult to achieve, especially where increased density is desired.

The criteria for lux levels as recommended in EN 17037 have been calculated for the proposed habitable rooms across all floors of the proposed development, as per the BRE study, and are contained within section "7.3 Appendix Results - Alternative Daylight Standards" on page 139 of this report.

EN 17037 also makes recommendations related to sunlight, glare and quality of view. These aspects are not addressed in this report.

BS EN 17037:2018 Daylight in Buildings (2018)

BS EN 17037:2018 is the British Annex to the European Standard (see above). The British Annex acknowledges that a rigid application of the European Standard could prove to be a difficult task. It states *"... it is the opinion of the UK committee that the recommendations for daylight provision in a space [...] may not be achievable for some buildings, particularly dwellings."*

Similar to the recommendations made in *BS 8206-2:2008*, target values differ depending on the function of a room. Target lux levels are applied across 50% of the reference plane of a room for half of the daylight hours. The target lux levels are 200 lux for kitchens, 150 lux for living rooms and 100 lux for bedrooms. No minimum is stated to be achieved across 95% of the work plane. If a space has dual purposes it is advised that the higher target value should be applied.

The criteria for lux levels as recommended in BS EN 17037 have been calculated for the proposed habitable rooms across all floors of the proposed development, as per the BRE study, and are contained within section "7.3 Appendix Results - Alternative Daylight Standards" on page 139 of this report.

Summary

It should be noted that the European Standard (*EN 17037:2018 Daylight in Buildings*) had been published prior to the publication of *Sustainable Urban Housing: Design Standards for New Apartments* in December 2020. Furthermore, British authorities have published and adopted a national annex to the European standards, *BS EN 17037*. Neither *EN 17037* nor *BS EN 17037* are referenced in the 2020 apartment guidelines and to the best of our knowledge are not referenced in any planning guidance document issued by Irish planning authorities. Additionally, the BRE Guidelines have not been withdrawn. Until official guidance or instruction is published by a relevant Irish planning authority on this matter, 3DDB will continue to reference the BRE Guidelines in our daylight and sunlight assessments and ADF will be the primary assessment to determine daylight within proposed habitable spaces. As such, circa compliance rates and analysis of results will focus on the results of the ADF study whilst the assessments that have been carried out regarding the criteria set out in EN 17037 and BS EN 17037 should be considered as supplementary studies.

Neither the British Standard, European Standard, British Annex to the European Standard nor the BRE Guide set out rigid standards or limits. They are all considered advisory documents. The BRE Guide is preceded by the following very clear statement as to how the design advice contained therein should be used:

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

That the recommendations of the BRE Guide are not suitable for rigid application to all developments in all contexts, is of particular importance in the context of national and local policies for the consolidation and densification of urban areas or when assessing applications for highly constrained sites (e.g. lands in close proximity or immediately to the south of residential lands).

4.0 Assessment Overview

4.1 Development Description

The site of c.0.898 ha is located at the former ABB Site, Belgard Road, Tallaght, Dublin 24, D24 KD78. The site is bound by Belgard Road (R113) to the east, Belgard Square North to the North and Belgard Square East to the west and Clarity House to the south.

The proposed development will consist of:

1. Demolition of all existing structures on site (with a combined gross floor area of c. 3625 sqm)

2. The construction of a mixed-use residential development set out in 3 No. blocks including a podium over a basement, ranging in height from 2 to 13 storeys (with core access above to roof terrace), comprising:

- 334 no. residential units of which 118 No. will be Build to Rent (BTR) residential units, with associated amenities and facilities across the development,
- 4 No. retail/café/restaurant units and 3 no. commercial spaces associated with the 3 no. live-work units (723 sqm combined),
- Childcare facility (144 sq.m.),
- 670 No. bicycle parking spaces including 186 visitor spaces; 117 car parking spaces (including 6 disabled spaces) are provided at ground floor and basement level.
- The overall development has a Gross Floor Area of 29,784 sq.m.
- Two (2) podium residential courtyards and three (3) public accessible pocket parks, two (2) to the North & one (1) to the South.
- Linear Park (as a provision of the Tallaght Town Centre LAP) providing safe public pedestrian and cycling access between Belgard Rd and Belgard Square East

3. Of the total 334 residential units proposed, unit types comprise:

Block A (Build-to-Rent)

- 91 no. 1 bed units
- 1 no. 2 bed 3 person units
- 26 no. 2 bed 4 person units

Blocks B & C

- 2 no. live-work studio units
- 102 no. 1-bed units
- 12 no. 2-bed 3 person units
- 88 no. 2-bed 4 person units including 5 no. duplex units
- 1 no. 2-bed 4 person live-work unit
- 11 no. 3-bed units

4.. All associated works, plant, services, utilities, PV panels and site hoarding during construction.

4.2 Effect on Vertical Sky Component (VSC)

A proposed development could potentially have a negative effect on the level of daylight that a neighbouring property receives, if the obstructing building is large in relation to their distance from the existing dwelling.

To ensure a neighbouring property is not adversely affected, the Vertical Sky Component (also referred to as VSC) is calculated and assessed. VSC can be defined as the amount of skylight that falls on a vertical wall or window.

This report assesses the percentage of direct sky illuminance that falls on the centre point of neighbouring windows that could be affected by the proposed development.

The BRE Guidelines state that if the VSC is:

- At least 27%, then conventional window design will usually give reasonable results;
- Between 15% and 27%, then special measures (larger windows, changes to room layout) are usually needed to provide adequate daylight;
- Between 5% and 15%, then it is very difficult to provide adequate daylight unless very large windows are used;
- Less than 5%, then it is often impossible to achieve reasonable daylight, even if the whole window wall is glazed.

In this assessment, the VSC of the centre point on each of the assessed windows will be calculated, both in the 'baseline state' and in the 'proposed state'. The baseline state reflects the current VSC of the window, the proposed state will determine what the VSC of the window would be if the proposed development is built as planned.

A comparison between these values will determine the level of effect.

A proposed development could possibly have a noticeable effect on the daylight received by an existing window, if the following occurs:

- The VSC value drops below the guideline value of 27%; **and**
- The VSC value is less than 0.8 times the existing value.

The complete results for the study on the effect on VSC caused by the proposed development can be found in Section 6.1 on page 21.

4.3 Effect on Annual/Winter Probable Sunlight Hours (APSH/WPSH)

Annual/Winter Probable Sunlight Hours (APSH/WPSH) is a measure of sunlight that a given window may expect to receive over the period of a year. The percentage of APSH/WPSH that windows in existing properties receive might be affected by a proposed development.

Whether a window is considered for APSH/WPSH impact assessment is based on its orientation. A south-facing window will, in general, receive the most sunlight. North facing windows may receive sunlight on only a handful of occasions in a year, and windows facing eastwards or westwards will receive sunlight only at certain times of the day. Taking this into account, the BRE Guidelines suggest that windows with an orientation within 90 degrees of due south should be assessed.

If the assessment point of a window can receive more than 25% of APSH, including at least 5% of the WPSH, then the room should receive enough sunlight.

As with the VSC study, the APSH/WPSH will be calculated in the baseline state and the proposed state. A comparison of the results will determine the level of effect.

A proposed development could possibly have a noticeable effect on the sunlight received by an existing window, if the following occurs:

- The APSH value drops below the annual (25%) or winter (5%) guidelines; **and**
- The APSH value is less than 0.8 times the baseline value; **and**
- There is a reduction of more than 4% to the annual APSH.

The results of the study on APSH can be found in Section 6.3 on page 42.

4.4 Effect on Sun On Ground in Existing Amenity Areas

The BRE Guidelines recommend that for a garden or amenity area to appear adequately sunlit throughout the year, at least half of it should receive at least two hours of sunlight on March 21st.

March 21st, also known as the spring equinox, is chosen as the assessment date as daytime and night-time are of approximately equal duration on this date.

The percentage of assessed areas which can receive two hours or more of direct sunlight on March 21st will be calculated in both the baseline and proposed states. A comparison between these values will determine the level of effect.

A proposed development could possibly have a noticeable effect on the sunlight received by an existing garden and/or amenity area, if the following occurs:

- Half the area of the space does not receive at least two hours of sunlight during the spring equinox; **and**
- The area that receives more than two hours of sun on the spring equinox is less than 0.8 times its former value.

The results of the study on effect on sun on ground the in neighbouring gardens (including a visual representation in the form of 2-hour false colour plans) can be found in Section 6.5 on page 74.

4.5 Shadow Study

A shadow study has been carried out on the baseline existing model state and the proposed model state. This visual representation of the shadows cast by the proposed development can be found in the hourly shadow diagrams in section 6.6 on page 76.

Hourly renderings have been shown from sunrise to sunset on the following dates:

- Spring equinox: March 21st Sunrise 6:25 | Sunset 18:40.
- Summer solstice: June 21st. Sunrise 4:57 | Sunset 21:57.
- Winter solstice: December 21st Sunrise 8:38 | Sunset 16:08.

Note: Considering the spring equinox (March 21st) and autumn equinox (22nd September) yield similar results, only the spring equinox was generated.

4.6 Sun On Ground in Proposed Outdoor Amenity Areas

The BRE Guidelines recommend that for a garden or amenity area to appear adequately sunlit throughout the year, at least half of it should receive at least two hours of sunlight on March 21st.

March 21st, also known as the spring equinox, is chosen as the assessment date as daytime and night-time are of approximately equal duration on this date.

The portion of each space capable of receiving 2 hours of direct sunlight on March 21st will be calculated. The results for the study on sun on ground in the proposed outdoor amenity areas (including a visual representation in the form of 2-hour false colour plans) can be found in section 7.0 on page 85.

4.7 Average Daylight Factor in Proposed Habitable Rooms (ADF)

The BRE Guidelines define the Average Daylight Factor as the average illuminance on the working plane in a room, divided by the illuminance on an unobstructed horizontal surface outdoors.

In housing, the working plane is considered to be 850 mm above the finished floor level and is offset 500 mm from the room boundaries.

BS 8206-2:2008 Code of Practice for Daylighting recommends an ADF of 5% for a well day lit space where no additional electric lighting is available, and 2% for a partly daylit space with supplementary electric lighting.

In terms of housing, *BS 8206-2:2008*, as referenced in the BRE Guidelines, also gives minimum values of ADF. These recommendations are considered to be the minimum value of ADF required for the following habitable spaces: 2% for kitchens; 1.5% for living rooms; 1% for bedrooms.

Where rooms serve more than one function, the higher ADF target value has been taken.

This study has assessed the Average Daylight Factor (ADF) received in all habitable rooms across all floors of the proposed development.

An additional study has been carried out on the living space within the proposed LKDs, as defined by the project architect. This additional study has been carried out to demonstrate that all living spaces in the proposed development would achieve the recommended minimum ADF of 1.5%.

Daylight performance has also been calculated in certain non-residential rooms within the proposed development such as shared internal amenity areas and proposed workspaces within live/work units.

It should be noted that these additional studies, the living areas and the non-residential rooms, have not contributed to the circa compliance rates that have been stated.

Note: non-habitable rooms and circulation spaces (e.g. bathrooms and corridors) do not require ADF assessment according to the BRE Guidelines.

For definition of spaces and target values applied, please see the methodology section of this report in section 5.0 on page 17.

The results for the study on ADF can be seen in section 7.2 on page 86.

5.0 Methodology

5.1 Building the Baseline and Proposed Models

In order to obtain the results of this assessments, 3D Design Bureau (3DDB) received a series of architectural 3D digital models using Revit, a BIM software application made available by Autodesk.

The project architect, C+W O'Brien (C+W) supplied 3DDB with a 3D model of the proposed development, which was subsequently prepared for daylight and sunlight analysis.

The granted SHD to the north of the proposed site (ABP-303306-18) was modeled by 3DDB using the drawings that were submitted for planning permission.

A combination of survey information, aerial photography, available online photography and/or ordnance survey information were used to model the surrounding context and assessed buildings. **Note:** as the information gathered from online sources is not as accurate as surveyed information, some tolerance should be allowed to the placement of windows, boundary treatments and the results generated.

Normally trees and shrubs do not need to be included in the studies carried out in this report, partly because their shapes are almost impossible to predict, and partly because the dappled shade of a tree is more pleasant than the deep shadow of a building (this applies especially to deciduous trees). Where a dense belt or group of evergreens is specifically planned as a windbreak or for privacy purposes, it is better to include their shadow in the calculation of shaded area. If and when trees have been included as part of the study, it will be clearly stated.

Baseline Model State

For the purpose of this report, the baseline model state considers both the subject site and the granted SHD to the north of the proposed site (ABP-303306-18) as they would have appeared prior to any construction work being carried out. i.e. The proposed and granted developments have not been included. This model state has been used when generating the baseline results for the existing properties.

A small cluster of trees were included in the assessment model. These trees are located on the roundabout to the north-east of the subject site. The size, species and positioning of these trees has been estimated.

Granted Model State

For the purpose of this report, the granted model state considers the granted SHD to the north of the proposed site (ABP-303306-18) as it would appear should it be fully constructed in accordance with the drawings as submitted for planning permission. In this model state, the development site is shown in its existing state, i.e. The proposed development has not been included. This model state has been used when generating all results in the baseline study.

Cumulative Model State

This model state has been generated to represent how the site and its surroundings would appear should the proposed development be constructed as proposed. The proposed development has been modelled into the baseline environment, including any proposed demolition works and full construction of (ABP-303306-18). This model state has been used when assessing the effect of the proposed development on the neighbouring properties, as well as assessments carried out within the proposed development itself.

Hypothetical Model State - Without Balconies

This model state exactly matches the cumulative model state with the exception of the balconies of the granted scheme (ABP-303306-18) which have been removed for the purpose of an additional hypothetical assessment.

5.2 Generating Results

The 3D models as stated above were brought into specialist software packages using bespoke daylight and sunlight analysis methods developed by 3DDB.

The results are generated and analysed considering the BRE Guidelines, as expanded on below.

5.2.1 VSC

Assessment Criteria

The effect on Vertical Sky Component (VSC) has been calculated on the windows of Clarity House, Killakee House, The Square Industrial Complex, Block A3, B1 and B2 of the granted SHD (ABP-303306-18) that are most likely to be affected by the proposed development.

Under BRE Guidelines, only habitable rooms need to be assessed for effect on daylight and sunlight. In the absence of design layouts or floor plans, or information pertaining to the internal 'as-built' layouts, assumptions have been made regarding the function of the windows of the existing surrounding properties (i.e. what room type is served by the window being assessed).

Typically, the effect on ground floor windows is greater than the effect on windows of subsequent floors. However, floors above ground floor level have been included in this study to give a more comprehensive assessment.

Assessment Points

The assessment points for measuring VSC or APSH are taken from the centre point of a standard window.

If the window being assessed is a full height window, the assessment point is taken at 1600 mm above the finished floor level.

If it can be determined that multiple windows are servicing the same room, each window will be assessed and the average value will be taken.

Windows Under Balconies

An additional study has been carried out on the windows of the granted development (ABP-303306-18) that are located under a balcony. The effect a proposed development has on an existing windows in this configuration can often be exaggerated as expanded in the BRE Guidelines:

"Existing windows with balconies above them typically receive less daylight. Because the balcony cuts out light from the top part of the sky, even a modest obstruction opposite may result in a large relative impact on the VSC, and on the area receiving direct skylight. One way to demonstrate this would be to carry out an additional calculation of the VSC and area receiving direct skylight, for both the existing and proposed situations, without the balcony in place. For example, if the proposed VSC with the balcony was under 0.8 times the existing value with the balcony, but the same ratio for the values without the balcony was well over 0.8, this would show that the presence of the balcony, rather than the size of the new obstruction, was the main factor in the relative loss of light."

As recommended this additional study will be carried out to assess the level of effect the proposed development would have on these windows without the balconies to determine if the balconies are a contributing factor to perceptible levels of effect.

5.2.2 APSH/WPSH

Impact Assessment

Effect on Annual/Winter Probable Sunlight Hours (APSH/WPSH) has been calculated on the windows assessed in the VSC study. The BRE Guidelines suggest that windows with an orientation within 90 degrees of due south should be assessed. Therefore, the APSH/WPSH of windows that do not have an orientation within 90° of due south have not been assessed for the purposes of this report.

APSH/WPSH assessment has been carried out on the windows of Block A3, B1 and B2 of the granted SHD (ABP-303306-18) that are most likely to be affected by the proposed development.

No APSH/WPSH assessment has been carried out on Clarity House, Killakee House or The Square Industrial Complex as the windows of these properties that face the proposed development do not have an orientation within 90° of due south.

The assessment points for APSH/WPSH are equivalent to the VSC study.

5.2.3 Sun On Ground

Assessment Criteria

Effect on sunlight to existing neighbouring gardens and/or amenity areas has been assessed to the north of the proposed development, as areas located to the south are unlikely to be affected due to sun direction. Overshadowing is highly unlikely to occur in areas that are due south of any proposed development.

SOG Impact Assessment

SOG impact assessment has assessment has been carried out for the courtyards of the Blocks B1 and B2 of the granted SHD (ABP-303306-18) by comparing the portion of each space that is capable of receiving 2 hours or more of direct sunlight on March 21st in both the granted and cumulative model states.

A SOG study has also been carried out to determine the level of impact the proposed development would have on the sunlight received by the south facing balconies of Block B1 of the granted SHD (ABP-303306-18). For this study the assessment plane has been taken at handrail level as various handrail configurations can compromise the integrity of the results.

SOG Scheme Performance

The levels of SOG to proposed amenity areas, as indicated by the architect, have been assessed. However, it should be noted that the numbering of these spaces in the Daylight and Sunlight Assessment Report has been assigned by 3DDB specifically for the purposes of this report. If other consultants are referencing these spaces in their own reports, it is unlikely they will be numbered the same.

5.2.4 ADF

Recommended Minimum ADF

The recommended minimum for Average Daylight Factor (ADF) is based on the function of the room being assessed.

The recommendations as per the BS 8206-2:2008 are as follows: 2% for kitchens; 1.5% for living rooms; and 1% for bedrooms. BS 8206-2:2008 also recommends that where a room serves more than one purpose, such as the modern day apartment design of the living/kitchen/dining (LKD) space, the minimum average daylight factor should be taken for the room with the highest value.

Following this advice, a target ADF value of 2.0% has been applied to LKDs within the proposed scheme.

Should full ADF compliance be sought, design changes could be needed, such as the removal of balconies or a reduction of unit sizes. Such mitigation measures could reduce the quality of living within the proposed units to a greater degree than the improvements that would be gained with increased ADF values.

In new developments, some internal spaces (e.g. studio apartments, shared communal areas etc.) can possibly be of a nature that do not have a predefined target value in the *BS 8206-2:2008*. In such instances, 3DDB have applied a target value they deem to be appropriate. In the case of the proposed development there are a number of shared amenity areas, creche and work spaces as part of live/work units. 3DDB recommend that an ADF target value of 1.5% be applied to these spaces, but they have not been included in the calculated compliance rates.

Defining Areas

It is standard practice in apartment designs for LKDs to contain kitchens that are completely internal and not serviced by window on the external facade. These internal kitchens will often rely on supplementary electric lighting for periods of the day and can contribute to perceived lower ADF values in otherwise well-lit spaces. To better quantify the performance of the living areas of LKDs with this common configuration, an additional calculation has been carried out, in which the kitchens are omitted with only the Living Space, as defined by the project architect assessed. This has been carried out on all LKDs throughout the proposed development. This supplementary assessment will not be counted towards a percentage compliance rate for the proposed development.

Daylight performance has also been calculated in certain non-residential rooms within the proposed development such as shared internal amenity areas and proposed workspaces within live/work units. Again, this additional assessment has not been included in calculating circa compliance rates.

Where rooms include a winter garden, the winter garden is deemed to be an extension to the interior space and will be included in the assessed area of the room. This does not apply to the proposed scheme as no winter gardens have been proposed.

Circulation spaces, corridors, bathrooms etc. have not been assessed.

Indication of the assessed space in each room is provided in the floor plans that correspond to the ADF results in section “7.2 Average Daylight Factor” on page 86.

Work Plane

The calculation of ADF is carried out on a hypothetical work plane which lies 850 mm from the finished floor level in residential units and 700 mm in academic and office spaces. The work plane is offset 500 mm from the room boundaries. Room boundaries are taken from the inside face of the interior walls and the centre line of any main external windows.

The Daylight Factor (DF) percentage has been calculated on the work plane across a series of points on a grid of approximately 300 mm.

The average of these figures determines the Average Daylight Factor (ADF).

Material Palette

The material pallet used for ADF calculations assumes a reflectance value of 0.75 for interior walls, 0.8 for interior ceilings, 0.4 for interior floors. For exterior finishes, various reflectance values have been used such as 0.15 for dark brick, 0.3 for a standard brick, 0.6 for a render finish. Where reflectance values are not known a value of 0.5 has been taken. A light transmittance value of 0.8 has been applied to standard glazing, with a maintenance factor of 0.91 applied which reduces the light transmittance value to 0.73. For frosted glass, a light transmittance value of 0.5 has been assumed.

5.2.5 Alternative Daylight Standards

Supplementary studies have been carried out on daylight performance using the daylight recommendations given in EN 17037 and BS EN 17037. The model used for the ADF study has been used for these additional studies. As the results published in this section are considered to form part of an appendix, no reference will be made to them in the circa compliance rates, summary of results or conclusion of this report.

5.3 Shadow Study

The shadow study renderings have been carried out in order to give a visual representation to the results set out in the sunlight assessment section of this report.

Hourly renderings have been shown from sunrise to sunset on the following dates:

- Spring equinox: March 21st Sunrise 6:25 | Sunset 18:40.
- Summer solstice: June 21st. Sunrise 4:57 | Sunset 21:57.
- Winter solstice: December 21st Sunrise 8:38 | Sunset 16:08.

Note: Considering the spring equinox (March 21st) and autumn equinox (22nd September) yield similar results, only the spring equinox was generated.

6.0 Results

6.1 Effect on Vertical Sky Component

6.1.1 Clarity House

Table No. 6.1: VSC Results VSC Results Clarity House						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
Ground Floor						
Ga	30.43%	23.95%	0.79	24.34%	98.41%	Not Significant
Gb	34.92%	28.89%	0.83	27.00%	BRE Compliant	Imperceptible
1st Floor						
1a	33.42%	26.65%	0.80	26.73%	99.67%	Not Significant
1b	34.99%	27.53%	0.79	27.00%	BRE Compliant	Imperceptible
1c	37.23%	30.79%	0.83	27.00%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

Figure 6.1: Left - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.2 Killakee House

Table No. 6.2: VSC Results VSC Results Ground Floor Killakee House						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
Ground Floor						
Ga	36.53%	35.22%	0.96	27.00%	BRE Compliant	Imperceptible
Gb	36.52%	35.13%	0.96	27.00%	BRE Compliant	Imperceptible
Gc	36.50%	35.03%	0.96	27.00%	BRE Compliant	Imperceptible
Gd	36.44%	34.87%	0.96	27.00%	BRE Compliant	Imperceptible
Ge	36.41%	34.73%	0.95	27.00%	BRE Compliant	Imperceptible
Gf	36.33%	34.53%	0.95	27.00%	BRE Compliant	Imperceptible
Gg	36.25%	34.36%	0.95	27.00%	BRE Compliant	Imperceptible
Gh	32.58%	30.71%	0.94	26.07%	BRE Compliant	Imperceptible
Gi	32.46%	30.79%	0.95	25.96%	BRE Compliant	Imperceptible
Gj	32.33%	30.95%	0.96	25.87%	BRE Compliant	Imperceptible
Gk	32.30%	31.08%	0.96	25.84%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

Figure 6.2: Left - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.3 Killakee House

Table No. 6.3: VSC Results 1st Floor Killakee House						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
1st Floor						
1a	37.68%	36.34%	0.96	27.00%	BRE Compliant	Imperceptible
1b	37.70%	36.27%	0.96	27.00%	BRE Compliant	Imperceptible
1c	37.70%	36.20%	0.96	27.00%	BRE Compliant	Imperceptible
1d	37.68%	36.07%	0.96	27.00%	BRE Compliant	Imperceptible
1e	37.66%	35.97%	0.96	27.00%	BRE Compliant	Imperceptible
1f	37.62%	35.82%	0.95	27.00%	BRE Compliant	Imperceptible
1g	37.58%	35.69%	0.95	27.00%	BRE Compliant	Imperceptible
1h	35.65%	33.71%	0.95	27.00%	BRE Compliant	Imperceptible
1i	35.59%	33.81%	0.95	27.00%	BRE Compliant	Imperceptible
1j	35.55%	33.99%	0.96	27.00%	BRE Compliant	Imperceptible
1k	35.55%	34.11%	0.96	27.00%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

Figure 6.3: Left - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.4 Killakee House

Table No. 6.4: VSC Results 2nd Floor Killakee House						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
2nd Floor						
2a	38.86%	37.50%	0.96	27.00%	BRE Compliant	Imperceptible
2b	38.90%	37.45%	0.96	27.00%	BRE Compliant	Imperceptible
2c	38.92%	37.41%	0.96	27.00%	BRE Compliant	Imperceptible
2d	38.94%	37.32%	0.96	27.00%	BRE Compliant	Imperceptible
2e	38.95%	37.25%	0.96	27.00%	BRE Compliant	Imperceptible
2f	38.95%	37.14%	0.95	27.00%	BRE Compliant	Imperceptible
2g	38.95%	37.06%	0.95	27.00%	BRE Compliant	Imperceptible
2h	38.89%	36.06%	0.93	27.00%	BRE Compliant	Imperceptible
2i	38.88%	36.13%	0.93	27.00%	BRE Compliant	Imperceptible
2j	38.89%	36.26%	0.93	27.00%	BRE Compliant	Imperceptible
2k	38.90%	36.35%	0.93	27.00%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

Figure 6.4: Left - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.5 The Square Industrial Complex

Table No. 6.5: VSC Results The Square Industrial Complex						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
Ground Floor						
Ga	35.98%	31.31%	0.87	27.00%	BRE Compliant	Imperceptible
Gb	36.23%	30.14%	0.83	27.00%	BRE Compliant	Imperceptible
Gc	36.69%	29.88%	0.81	27.00%	BRE Compliant	Imperceptible
Gd	36.74%	29.14%	0.79	27.00%	BRE Compliant	Imperceptible
Ge	36.81%	27.50%	0.75	27.00%	BRE Compliant	Imperceptible
Gf	36.88%	26.63%	0.72	27.00%	98.64%	Not Significant
Gg	36.83%	26.02%	0.71	27.00%	96.38%	Not Significant
Gh	36.67%	25.76%	0.70	27.00%	95.39%	Not Significant
Gi	36.53%	25.78%	0.71	27.00%	95.49%	Not Significant
1st Floor						
1a	37.53%	32.78%	0.87	27.00%	BRE Compliant	Imperceptible
1b	37.65%	32.30%	0.86	27.00%	BRE Compliant	Imperceptible
1c	37.64%	31.65%	0.84	27.00%	BRE Compliant	Imperceptible
1d	37.69%	31.01%	0.82	27.00%	BRE Compliant	Imperceptible
1e	37.71%	30.25%	0.80	27.00%	BRE Compliant	Imperceptible
1f	37.82%	28.67%	0.76	27.00%	BRE Compliant	Imperceptible
1g	37.89%	27.83%	0.73	27.00%	BRE Compliant	Imperceptible
1h	37.88%	27.24%	0.72	27.00%	BRE Compliant	Imperceptible
1i	37.78%	26.99%	0.71	27.00%	99.95%	Not Significant
1j	37.68%	27.02%	0.72	27.00%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

Figure 6.5: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.6 Granted SHD: ABP-303306-18, Block A3

Table No. 6.6: VSC Results Granted SHD: ABP-303306-18, Ground - 2nd Floors Block A3						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
Ground Floor						
Ga	34.61%	31.44%	0.91	27.00%	BRE Compliant	Imperceptible
Gb	36.17%	32.68%	0.90	27.00%	BRE Compliant	Imperceptible
Gc	36.33%	32.55%	0.90	27.00%	BRE Compliant	Imperceptible
Gd	36.47%	32.37%	0.89	27.00%	BRE Compliant	Imperceptible
Ge	36.55%	32.07%	0.88	27.00%	BRE Compliant	Imperceptible
1st Floor						
1a	6.26%	5.81%	0.93	5.01%	BRE Compliant	Imperceptible
1b	12.80%	11.42%	0.89	10.24%	BRE Compliant	Imperceptible
1c	37.98%	34.39%	0.91	27.00%	BRE Compliant	Imperceptible
1d	38.02%	34.06%	0.90	27.00%	BRE Compliant	Imperceptible
1e	38.01%	33.70%	0.89	27.00%	BRE Compliant	Imperceptible
2nd Floor						
2a	6.84%	6.36%	0.93	5.47%	BRE Compliant	Imperceptible
2b	13.52%	12.22%	0.90	10.81%	BRE Compliant	Imperceptible
2c	38.90%	35.48%	0.91	27.00%	BRE Compliant	Imperceptible
2d	38.92%	35.16%	0.90	27.00%	BRE Compliant	Imperceptible
2e	38.91%	34.81%	0.89	27.00%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

Figure 6.6: Left - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.7 Granted SHD: ABP-303306-18, Block A3

Table No. 6.7: VSC Results Granted SHD: ABP-303306-18, 3rd - 4th Floors Block A3						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
3rd Floor						
3a	7.10%	6.62%	0.93	5.68%	BRE Compliant	Imperceptible
3b	13.84%	12.67%	0.91	11.08%	BRE Compliant	Imperceptible
3c	39.30%	36.17%	0.92	27.00%	BRE Compliant	Imperceptible
3d	39.33%	35.88%	0.91	27.00%	BRE Compliant	Imperceptible
3e	39.32%	35.55%	0.90	27.00%	BRE Compliant	Imperceptible
4th Floor						
4a	7.20%	6.75%	0.94	5.76%	BRE Compliant	Imperceptible
4b	13.96%	12.96%	0.93	11.17%	BRE Compliant	Imperceptible
4c	39.43%	36.72%	0.93	27.00%	BRE Compliant	Imperceptible
4d	29.68%	27.49%	0.93	23.75%	BRE Compliant	Imperceptible
4e	38.50%	36.02%	0.94	27.00%	BRE Compliant	Imperceptible
5th Floor						
5a	7.28%	6.88%	0.94	5.82%	BRE Compliant	Imperceptible
5b	14.04%	13.25%	0.94	11.23%	BRE Compliant	Imperceptible
5c	39.53%	37.26%	0.94	27.00%	BRE Compliant	Imperceptible
5d	29.96%	28.13%	0.94	23.97%	BRE Compliant	Imperceptible
5e	38.75%	36.68%	0.95	27.00%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

Figure 6.7: Left - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.8 Granted SHD: ABP-303306-18, Block A3

Table No. 6.8: VSC Results Granted SHD: ABP-303306-18, 6th - 8th Floors Block A3						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
6th Floor						
6a	16.55%	16.20%	0.98	13.24%	BRE Compliant	Imperceptible
6b	18.39%	17.80%	0.97	14.71%	BRE Compliant	Imperceptible
6c	39.59%	37.77%	0.95	27.00%	BRE Compliant	Imperceptible
6d	30.83%	29.37%	0.95	24.67%	BRE Compliant	Imperceptible
6e	39.19%	37.53%	0.96	27.00%	BRE Compliant	Imperceptible
7th Floor						
7a	39.43%	38.67%	0.98	27.00%	BRE Compliant	Imperceptible
7b	39.22%	38.41%	0.98	27.00%	BRE Compliant	Imperceptible
7c	39.64%	38.55%	0.97	27.00%	BRE Compliant	Imperceptible
7d	39.97%	38.71%	0.97	27.00%	BRE Compliant	Imperceptible
8th Floor						
8a	39.94%	39.33%	0.98	27.00%	BRE Compliant	Imperceptible
8b	39.94%	39.24%	0.98	27.00%	BRE Compliant	Imperceptible
8c	39.94%	39.15%	0.98	27.00%	BRE Compliant	Imperceptible
8d	39.94%	39.03%	0.98	27.00%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

Figure 6.8: Left - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.9 Granted SHD: ABP-303306-18, Block B1

Table No. 6.9: VSC Results Granted SHD: ABP-303306-18, Ground Floor Block B1						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
Ground Floor						
Ga	35.45%	27.57%	0.78	27.00%	BRE Compliant	Imperceptible
Gb	35.33%	27.05%	0.77	27.00%	BRE Compliant	Imperceptible
Gc	34.83%	25.91%	0.74	27.00%	95.98%	Not Significant
Gd	24.11%	13.76%	0.57	19.29%	71.35%	Moderate
Ge	32.85%	21.64%	0.66	26.28%	82.35%	Slight
Gf	35.44%	22.44%	0.63	27.00%	83.13%	Slight
Gg	35.30%	22.30%	0.63	27.00%	82.61%	Slight
Gh	35.20%	22.31%	0.63	27.00%	82.62%	Slight
Gi	35.05%	22.37%	0.64	27.00%	82.86%	Slight
Gj	34.94%	22.28%	0.64	27.00%	82.53%	Slight
Gk	34.82%	22.18%	0.64	27.00%	82.17%	Slight

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

Figure 6.9: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.10 Granted SHD: ABP-303306-18, Block B1

Table No. 6.10: VSC Results Granted SHD: ABP-303306-18, 1st Floor Block B1						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
1st Floor						
1a	36.84%	28.98%	0.79	27.00%	BRE Compliant	Imperceptible
1b	36.73%	28.46%	0.77	27.00%	BRE Compliant	Imperceptible
1c	36.06%	27.27%	0.76	27.00%	BRE Compliant	Imperceptible
1d	31.31%	22.55%	0.72	25.04%	90.03%	Not Significant
1e	16.61%	8.47%	0.51	13.29%	63.75%	Moderate
1f	33.36%	22.16%	0.66	26.69%	83.03%	Slight
1g	17.11%	8.71%	0.51	13.69%	63.64%	Moderate
1h	9.73%	3.32%	0.34	7.78%	42.70%	Significant
1i	8.74%	2.34%	0.27	6.99%	33.44%	Significant
1j	8.54%	2.79%	0.33	6.83%	40.80%	Significant
1k	8.48%	2.54%	0.30	6.79%	37.45%	Significant
1l	8.65%	2.78%	0.32	6.92%	40.16%	Significant
1m	10.27%	3.58%	0.35	8.22%	43.57%	Significant

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

Figure 6.10: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.11 Granted SHD: ABP-303306-18, Block B1

Table No. 6.11: VSC Results Granted SHD: ABP-303306-18, 2nd Floor Block B1						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
2nd Floor						
2a	37.84%	30.24%	0.80	27.00%	BRE Compliant	Imperceptible
2b	37.75%	29.74%	0.79	27.00%	BRE Compliant	Imperceptible
2c	37.10%	28.56%	0.77	27.00%	BRE Compliant	Imperceptible
2d	32.35%	23.57%	0.73	25.88%	91.08%	Not Significant
2e	17.57%	9.17%	0.52	14.06%	65.21%	Moderate
2f	34.45%	23.53%	0.68	27.00%	87.16%	Slight
2g	17.95%	9.82%	0.55	14.36%	68.36%	Moderate
2h	10.65%	3.65%	0.34	8.52%	42.88%	Significant
2i	9.72%	2.66%	0.27	7.77%	34.24%	Significant
2j	9.60%	3.14%	0.33	7.68%	40.84%	Significant
2k	9.59%	2.85%	0.30	7.67%	37.16%	Significant
2l	9.76%	3.05%	0.31	7.81%	39.05%	Significant
2m	11.44%	3.91%	0.34	9.16%	42.69%	Significant

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

Figure 6.11: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.12 Granted SHD: ABP-303306-18, Block B1

Table No. 6.12: VSC Results Granted SHD: ABP-303306-18, 3rd Floor Block B1						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
3rd Floor						
3a	38.63%	31.42%	0.81	27.00%	BRE Compliant	Imperceptible
3b	38.58%	30.99%	0.80	27.00%	BRE Compliant	Imperceptible
3c	38.01%	29.90%	0.79	27.00%	BRE Compliant	Imperceptible
3d	33.32%	24.71%	0.74	26.65%	92.69%	Not Significant
3e	18.35%	9.78%	0.53	14.68%	66.64%	Moderate
3f	35.44%	25.05%	0.71	27.00%	92.76%	Not Significant
3g	19.66%	11.94%	0.61	15.72%	75.95%	Slight
3h	31.18%	22.98%	0.74	24.95%	92.12%	Not Significant
3i	31.10%	22.84%	0.73	24.88%	91.79%	Not Significant
3j	30.89%	23.28%	0.75	24.71%	94.23%	Not Significant
3k	30.98%	22.94%	0.74	24.78%	92.55%	Not Significant
3l	30.84%	22.73%	0.74	24.67%	92.12%	Not Significant
3m	31.85%	23.43%	0.74	25.48%	91.95%	Not Significant

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

Figure 6.12: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.13 Granted SHD: ABP-303306-18, Block B1

Table No. 6.13: VSC Results Granted SHD: ABP-303306-18, 4th and 5th Floor Block B1						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
4th Floor						
4a	39.03%	32.44%	0.83	27.00%	BRE Compliant	Imperceptible
4b	39.03%	32.09%	0.82	27.00%	BRE Compliant	Imperceptible
4c	38.74%	31.30%	0.81	27.00%	BRE Compliant	Imperceptible
4d	34.55%	26.52%	0.77	27.00%	98.22%	Not Significant
4e	18.68%	10.35%	0.55	14.94%	69.29%	Moderate
4f	36.61%	27.09%	0.74	27.00%	BRE Compliant	Imperceptible
5th Floor						
5a	39.51%	33.73%	0.85	27.00%	BRE Compliant	Imperceptible
5b	39.55%	33.45%	0.85	27.00%	BRE Compliant	Imperceptible
5c	39.62%	32.99%	0.83	27.00%	BRE Compliant	Imperceptible
5d	39.67%	32.51%	0.82	27.00%	BRE Compliant	Imperceptible
5e	39.70%	31.99%	0.81	27.00%	BRE Compliant	Imperceptible
5f	39.73%	31.33%	0.79	27.00%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"4.2 Definition of Effects" on page 32.

Figure 6.13: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.14 Granted SHD: ABP-303306-18, Block B2

Table No. 6.14: VSC Results Granted SHD: ABP-303306-18, Ground Floor Block B2						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
Ground Floor						
Ga	33.49%	22.16%	0.66	26.79%	82.71%	Slight
Gb	33.97%	22.42%	0.66	27.00%	83.05%	Slight
Gc	34.81%	22.74%	0.65	27.00%	84.24%	Slight
Gd	34.63%	23.00%	0.66	27.00%	85.19%	Slight
Ge	34.34%	23.22%	0.68	27.00%	86.00%	Slight
Gf	33.96%	23.41%	0.69	27.00%	86.70%	Slight
Gg	33.45%	23.57%	0.70	26.76%	88.07%	Slight

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

Figure 6.14: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.15 Granted SHD: ABP-303306-18, Block B2

Table No. 6.15: VSC Results Granted SHD: ABP-303306-18, 1st Floor Block B2						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
1st Floor						
1a	35.89%	24.30%	0.68	27.00%	90.00%	Slight
1b	36.26%	24.38%	0.67	27.00%	90.31%	Not Significant
1c	36.64%	24.79%	0.68	27.00%	91.81%	Not Significant
1d	16.73%	14.89%	0.89	13.38%	BRE Compliant	Imperceptible
1e	19.83%	17.86%	0.90	15.86%	BRE Compliant	Imperceptible
1f	22.04%	19.93%	0.90	17.63%	BRE Compliant	Imperceptible
1g	23.57%	21.30%	0.90	18.85%	BRE Compliant	Imperceptible
1h	24.54%	22.17%	0.90	19.63%	BRE Compliant	Imperceptible
1i	25.04%	22.64%	0.90	20.03%	BRE Compliant	Imperceptible
1j	25.11%	22.69%	0.90	20.09%	BRE Compliant	Imperceptible
1k	24.76%	22.42%	0.91	19.81%	BRE Compliant	Imperceptible
1l	23.99%	21.73%	0.91	19.19%	BRE Compliant	Imperceptible
1m	22.73%	20.54%	0.90	18.18%	BRE Compliant	Imperceptible
1n	20.78%	18.68%	0.90	16.62%	BRE Compliant	Imperceptible
1o	18.07%	16.10%	0.89	14.46%	BRE Compliant	Imperceptible
1p	36.57%	24.30%	0.66	27.00%	90.01%	Not Significant
1q	36.12%	24.83%	0.69	27.00%	91.96%	Not Significant
1r	35.35%	25.33%	0.72	27.00%	93.80%	Not Significant

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

Figure 6.15: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.16 Granted SHD: ABP-303306-18, Block B2

Table No. 6.16: VSC Results Granted SHD: ABP-303306-18, 2nd Floor Block B2						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
2nd Floor						
2a	37.51%	25.96%	0.69	27.00%	96.15%	Not Significant
2b	37.78%	25.94%	0.69	27.00%	96.08%	Not Significant
2c	38.08%	26.21%	0.69	27.00%	97.06%	Not Significant
2d	18.03%	16.06%	0.89	14.42%	BRE Compliant	Imperceptible
2e	21.86%	19.73%	0.90	17.49%	BRE Compliant	Imperceptible
2f	24.45%	22.16%	0.91	19.56%	BRE Compliant	Imperceptible
2g	26.12%	23.67%	0.91	20.90%	BRE Compliant	Imperceptible
2h	27.11%	24.57%	0.91	21.69%	BRE Compliant	Imperceptible
2i	27.58%	25.06%	0.91	22.06%	BRE Compliant	Imperceptible
2j	27.61%	25.12%	0.91	22.09%	BRE Compliant	Imperceptible
2k	27.22%	24.85%	0.91	21.78%	BRE Compliant	Imperceptible
2l	26.39%	24.12%	0.91	21.11%	BRE Compliant	Imperceptible
2m	24.94%	22.78%	0.91	19.96%	BRE Compliant	Imperceptible
2n	22.69%	20.60%	0.91	18.15%	BRE Compliant	Imperceptible
2o	19.36%	17.37%	0.90	15.49%	BRE Compliant	Imperceptible
2p	37.94%	25.66%	0.68	27.00%	95.03%	Not Significant
2q	37.57%	26.26%	0.70	27.00%	97.25%	Not Significant
2r	36.96%	26.90%	0.73	27.00%	99.65%	Not Significant

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

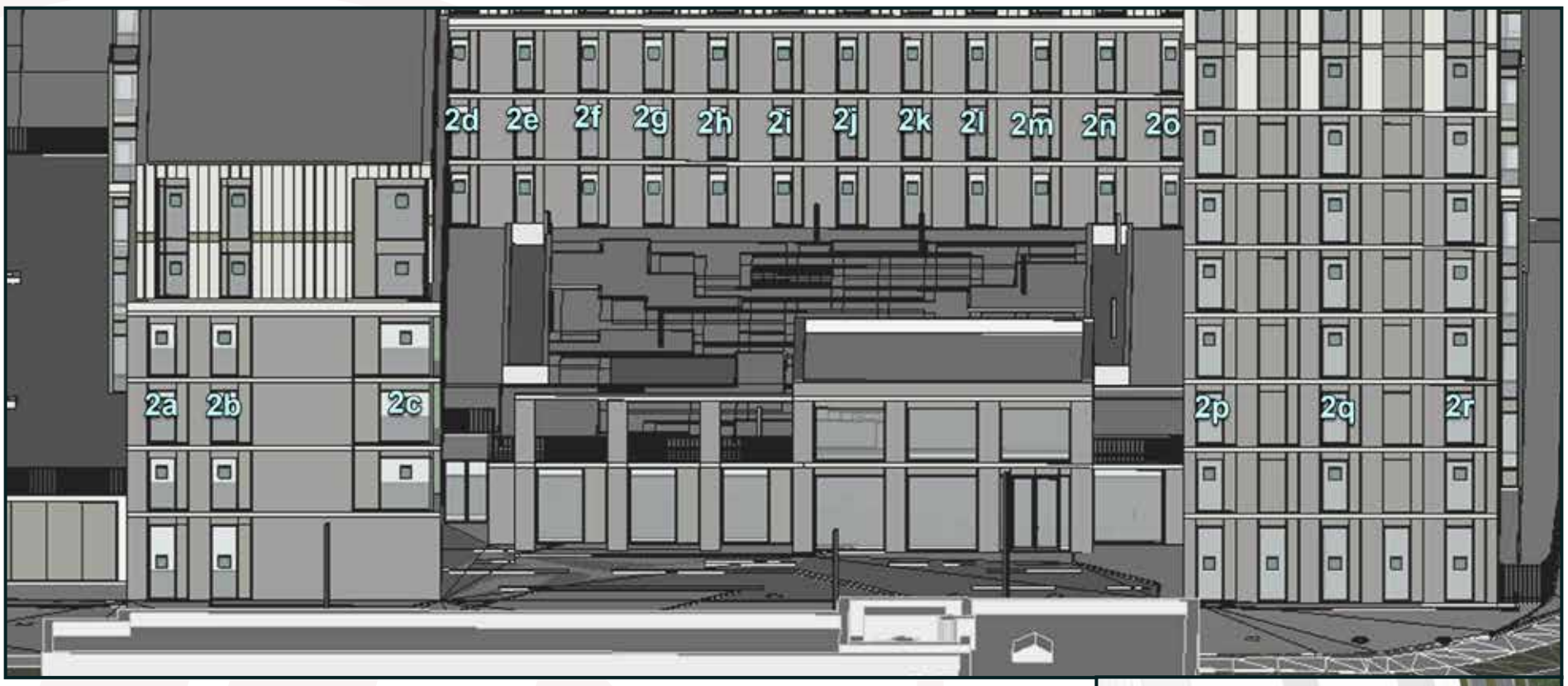


Figure 6.16: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.17 Granted SHD: ABP-303306-18, Block B2

Table No. 6.17: VSC Results Granted SHD: ABP-303306-18, 3rd Floor Block B2						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
3rd Floor						
3a	39.05%	27.76%	0.71	27.00%	BRE Compliant	Imperceptible
3b	39.18%	27.60%	0.70	27.00%	BRE Compliant	Imperceptible
3c	39.28%	27.65%	0.70	27.00%	BRE Compliant	Imperceptible
3d	19.29%	17.39%	0.90	15.43%	BRE Compliant	Imperceptible
3e	24.24%	22.18%	0.91	19.39%	BRE Compliant	Imperceptible
3f	27.20%	24.97%	0.92	21.76%	BRE Compliant	Imperceptible
3g	28.91%	26.52%	0.92	23.13%	BRE Compliant	Imperceptible
3h	29.84%	27.37%	0.92	23.87%	BRE Compliant	Imperceptible
3i	30.24%	27.80%	0.92	24.19%	BRE Compliant	Imperceptible
3j	30.22%	27.83%	0.92	24.17%	BRE Compliant	Imperceptible
3k	29.83%	27.51%	0.92	23.86%	BRE Compliant	Imperceptible
3l	29.03%	26.78%	0.92	23.22%	BRE Compliant	Imperceptible
3m	27.59%	25.43%	0.92	22.07%	BRE Compliant	Imperceptible
3n	25.10%	23.01%	0.92	20.08%	BRE Compliant	Imperceptible
3o	20.92%	18.94%	0.91	16.74%	BRE Compliant	Imperceptible
3p	38.98%	27.09%	0.70	27.00%	BRE Compliant	Imperceptible
3q	38.73%	27.74%	0.72	27.00%	BRE Compliant	Imperceptible
3r	38.33%	28.52%	0.74	27.00%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

Figure 6.17: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.18 Granted SHD: ABP-303306-18, Block B2

Table No. 6.18: VSC Results Granted SHD: ABP-303306-18, 4th Floor Block B2						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
4th Floor						
4a	39.66%	29.49%	0.74	27.00%	BRE Compliant	Imperceptible
4b	39.62%	29.23%	0.74	27.00%	BRE Compliant	Imperceptible
4c	39.72%	29.29%	0.74	27.00%	BRE Compliant	Imperceptible
4d	22.19%	20.42%	0.92	17.75%	BRE Compliant	Imperceptible
4e	28.19%	26.26%	0.93	22.55%	BRE Compliant	Imperceptible
4f	30.96%	28.86%	0.93	24.76%	BRE Compliant	Imperceptible
4g	32.25%	30.03%	0.93	25.80%	BRE Compliant	Imperceptible
4h	32.88%	30.58%	0.93	26.30%	BRE Compliant	Imperceptible
4i	33.08%	30.75%	0.93	26.47%	BRE Compliant	Imperceptible
4j	33.00%	30.65%	0.93	26.40%	BRE Compliant	Imperceptible
4k	32.65%	30.36%	0.93	26.12%	BRE Compliant	Imperceptible
4l	31.96%	29.74%	0.93	25.57%	BRE Compliant	Imperceptible
4m	30.67%	28.56%	0.93	24.54%	BRE Compliant	Imperceptible
4n	28.11%	26.10%	0.93	22.49%	BRE Compliant	Imperceptible
4o	22.29%	20.41%	0.92	17.83%	BRE Compliant	Imperceptible
4p	39.57%	28.57%	0.72	27.00%	BRE Compliant	Imperceptible
4q	39.50%	29.27%	0.74	27.00%	BRE Compliant	Imperceptible
4r	39.35%	30.21%	0.77	27.00%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

Figure 6.18: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.19 Granted SHD: ABP-303306-18, Block B2

Table No. 6.19: VSC Results Granted SHD: ABP-303306-18, 5th Floor Block B2						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
5th Floor						
5a	39.74%	30.91%	0.78	27.00%	BRE Compliant	Imperceptible
5b	39.72%	30.68%	0.77	27.00%	BRE Compliant	Imperceptible
5c	39.80%	30.70%	0.77	27.00%	BRE Compliant	Imperceptible
5d	27.54%	25.91%	0.94	22.04%	BRE Compliant	Imperceptible
5e	33.88%	32.03%	0.95	27.00%	BRE Compliant	Imperceptible
5f	35.41%	33.23%	0.94	27.00%	BRE Compliant	Imperceptible
5g	35.92%	33.54%	0.93	27.00%	BRE Compliant	Imperceptible
5h	36.10%	33.66%	0.93	27.00%	BRE Compliant	Imperceptible
5i	36.05%	33.64%	0.93	27.00%	BRE Compliant	Imperceptible
5j	35.90%	33.52%	0.93	27.00%	BRE Compliant	Imperceptible
5k	35.66%	33.37%	0.94	27.00%	BRE Compliant	Imperceptible
5l	35.28%	33.10%	0.94	27.00%	BRE Compliant	Imperceptible
5m	34.57%	32.54%	0.94	27.00%	BRE Compliant	Imperceptible
5n	33.03%	31.13%	0.94	26.42%	BRE Compliant	Imperceptible
5o	26.97%	25.23%	0.94	21.58%	BRE Compliant	Imperceptible
5p	39.83%	30.02%	0.75	27.00%	BRE Compliant	Imperceptible
5q	39.83%	30.65%	0.77	27.00%	BRE Compliant	Imperceptible
5r	39.84%	31.59%	0.79	27.00%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

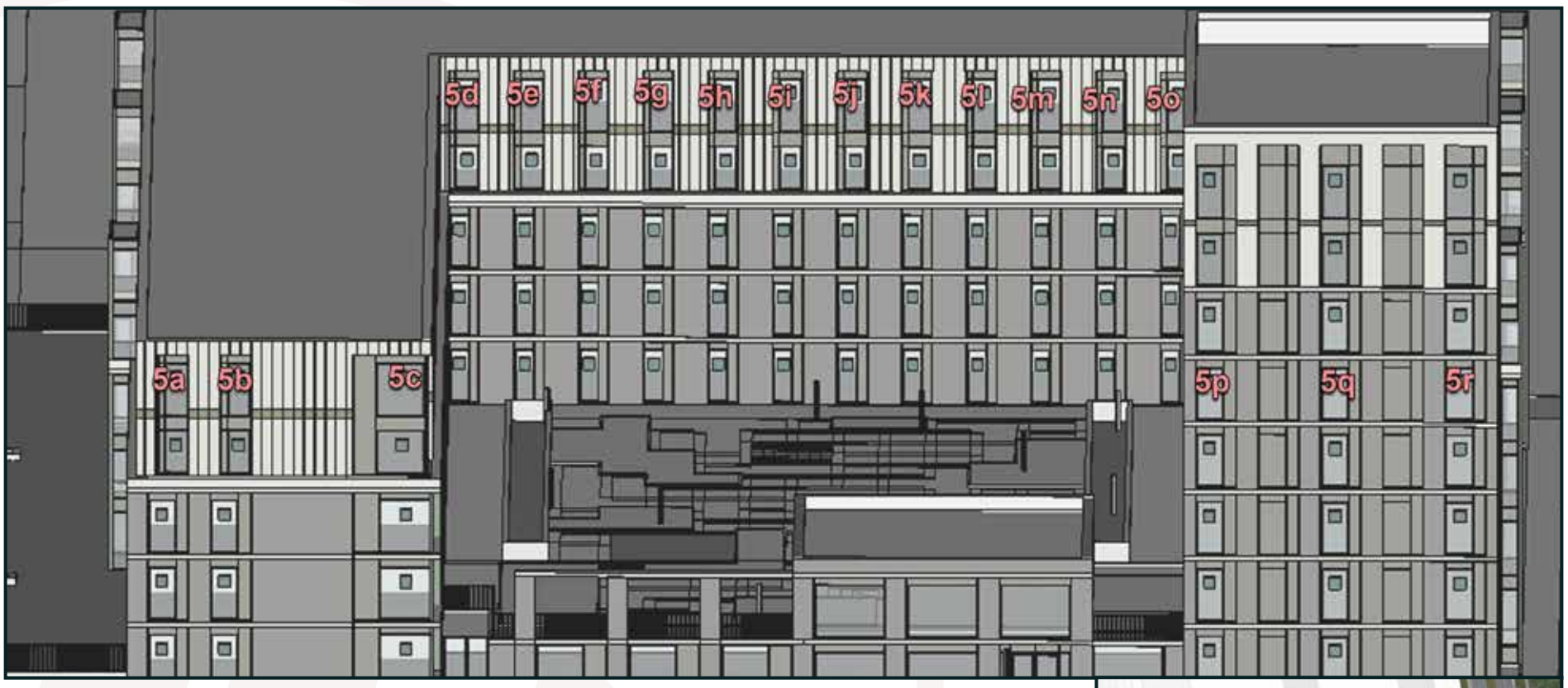


Figure 6.19: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.1.20 Granted SHD: ABP-303306-18, Block B2

Table No. 6.20: VSC Results Granted SHD: ABP-303306-18, 6th - 8th Floors Block B2						
Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
6th Floor						
6a	39.88%	31.32%	0.79	27.00%	BRE Compliant	Imperceptible
6b	39.89%	31.82%	0.80	27.00%	BRE Compliant	Imperceptible
6d	39.89%	32.60%	0.82	27.00%	BRE Compliant	Imperceptible
7th Floor						
7a	39.97%	32.78%	0.82	27.00%	BRE Compliant	Imperceptible
7b	39.97%	33.12%	0.83	27.00%	BRE Compliant	Imperceptible
7c	39.98%	33.74%	0.84	27.00%	BRE Compliant	Imperceptible
8th Floor						
8a	39.97%	34.26%	0.86	27.00%	BRE Compliant	Imperceptible
8b	39.97%	34.44%	0.86	27.00%	BRE Compliant	Imperceptible
8c	39.98%	34.88%	0.87	27.00%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

Figure 6.20: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.2 Effect on Vertical Sky Component - Without Balconies

6.2.1 Granted SHD: ABP-303306-18, Block B1

Table No. 6.21: VSC Results Granted SHD: ABP-303306-18, Block B1 - Without Balconies***

Window Number	Baseline VSC Value	Proposed VSC Value	Ratio of Proposed VSC to Baseline VSC	Recommended minimum VSC*	Level of Compliance with BRE Guidelines	Effect of Proposed Development**
Ground Floor						
Gd_Balc	35.82%	25.47%	0.71	27.00%	94.34%	Not Significant
1st Floor						
1e_Balc	37.23%	26.90%	0.72	27.00%	99.64%	Not Significant
1h_Balc	36.64%	24.44%	0.67	27.00%	90.50%	Not Significant
1i_Balc	37.05%	24.78%	0.67	27.00%	91.78%	Not Significant
1j_Balc	37.10%	24.88%	0.67	27.00%	92.14%	Not Significant
1k_Balc	36.86%	24.76%	0.67	27.00%	91.71%	Not Significant
1l_Balc	36.97%	24.90%	0.67	27.00%	92.21%	Not Significant
1m_Balc	36.79%	24.66%	0.67	27.00%	91.34%	Not Significant
2nd Floor						
2e_Balc	38.21%	28.17%	0.74	27.00%	BRE Compliant	Imperceptible
2h_Balc	37.76%	25.87%	0.69	27.00%	95.81%	Not Significant
2i_Balc	38.22%	26.23%	0.69	27.00%	97.14%	Not Significant
2j_Balc	38.32%	26.32%	0.69	27.00%	97.48%	Not Significant
2k_Balc	38.14%	26.18%	0.69	27.00%	96.96%	Not Significant
2l_Balc	38.29%	26.30%	0.69	27.00%	97.40%	Not Significant
2m_Balc	38.12%	26.05%	0.68	27.00%	96.50%	Not Significant
3rd Floor						
3e_Balc	38.99%	29.43%	0.75	27.00%	BRE Compliant	Imperceptible
4th Floor						
4e_Balc	39.33%	30.58%	0.78	27.00%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the VSC of an existing window, the value needs to both drop below the stated target value of 27% **and** be less than 0.8 times the baseline value.

** For the interpretation of level of effects please refer to"2.2 Definition of Effects" on page 6.

*** An additional impact assessment has been carried out on the windows which are located under balconies in block B1 of the granted scheme to the north of the proposed development (ABP-303306-18) with the balconies removed. This additional study is to demonstrate how balconies can contribute towards perceived high levels of impact. The results of this additional study will not be counted when expressing compliance rates in the impact assessment.

Figure 6.21: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3 Effect on Annual Probable Sunlight Hours

6.3.1 Granted SHD: ABP-303306-18, Block A3 - APSH

Table No. 6.22: APSH Results Granted SHD: ABP-303306-18, Ground - 2nd Floors Block A3

Window Number	Baseline APSH	Proposed APSH	Ratio of Proposed APSH to Baseline APSH	Recommended minimum APSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
Ground Floor						
Ga	66.2%	56.8%	0.86	25.0%	BRE Compliant	Imperceptible
Gb	73.9%	63.9%	0.87	25.0%	BRE Compliant	Imperceptible
Gc	75.4%	64.8%	0.86	25.0%	BRE Compliant	Imperceptible
Gd	76.0%	64.8%	0.85	25.0%	BRE Compliant	Imperceptible
Ge	76.3%	64.4%	0.84	25.0%	BRE Compliant	Imperceptible
1st Floor						
1a	9.7%	7.7%	0.79	7.8%	99.0%	Not Significant
1b	22.9%	19.0%	0.83	18.3%	BRE Compliant	Imperceptible
1c	76.8%	66.9%	0.87	25.0%	BRE Compliant	Imperceptible
1d	77.6%	66.9%	0.86	25.0%	BRE Compliant	Imperceptible
1e	77.7%	66.3%	0.85	25.0%	BRE Compliant	Imperceptible
2nd Floor						
2a	10.0%	7.9%	0.79	8.0%	98.4%	Not Significant
2b	23.2%	19.6%	0.85	18.6%	BRE Compliant	Imperceptible
2c	77.6%	68.5%	0.88	25.0%	BRE Compliant	Imperceptible
2d	78.3%	68.5%	0.87	25.0%	BRE Compliant	Imperceptible
2e	78.4%	67.9%	0.87	25.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

Figure 6.22: Left - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.2 Granted SHD: ABP-303306-18, Block A3 - WPSH

Table No. 6.23: WPSH Results Granted SHD: ABP-303306-18, Ground & 1st Floor Block A3						
Window Number	Baseline WPSH	Proposed WPSH	Ratio of Proposed WPSH to Baseline WPSH	Recommended minimum WPSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
Ground Floor						
Ga	70.9%	62.2%	0.88	5.0%	BRE Compliant	Imperceptible
Gb	78.1%	68.5%	0.88	5.0%	BRE Compliant	Imperceptible
Gc	80.8%	70.5%	0.87	5.0%	BRE Compliant	Imperceptible
Gd	82.0%	70.8%	0.86	5.0%	BRE Compliant	Imperceptible
Ge	82.3%	70.0%	0.85	5.0%	BRE Compliant	Imperceptible
1st Floor						
1a	22.4%	20.3%	0.91	5.0%	BRE Compliant	Imperceptible
1b	53.0%	45.1%	0.85	5.0%	BRE Compliant	Imperceptible
1c	84.7%	73.5%	0.87	5.0%	BRE Compliant	Imperceptible
1d	85.3%	72.8%	0.85	5.0%	BRE Compliant	Imperceptible
1e	85.4%	71.7%	0.84	5.0%	BRE Compliant	Imperceptible
2nd Floor						
2a	23.1%	20.8%	0.90	5.0%	BRE Compliant	Imperceptible
2b	53.7%	46.2%	0.86	5.0%	BRE Compliant	Imperceptible
2c	86.1%	74.8%	0.87	5.0%	BRE Compliant	Imperceptible
2d	86.7%	74.1%	0.85	5.0%	BRE Compliant	Imperceptible
2e	87.0%	73.0%	0.84	5.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

Figure 6.23: Left - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.3 Granted SHD: ABP-303306-18, Block A3 - APSH

Table No. 6.24: APSH Results Granted SHD: ABP-303306-18, 3rd - 5th Floors Block A3						
Window Number	Baseline APSH	Proposed APSH	Ratio of Proposed APSH to Baseline APSH	Recommended minimum APSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
3rd Floor						
3a	10.3%	8.0%	0.78	8.3%	97.5%	Not Significant
3b	23.5%	20.2%	0.86	18.8%	BRE Compliant	Imperceptible
3c	78.4%	70.0%	0.89	25.0%	BRE Compliant	Imperceptible
3d	79.1%	70.0%	0.89	25.0%	BRE Compliant	Imperceptible
3e	79.1%	69.4%	0.88	25.0%	BRE Compliant	Imperceptible
4th Floor						
4a	10.5%	8.2%	0.78	8.4%	97.6%	Not Significant
4b	23.7%	20.8%	0.88	19.0%	BRE Compliant	Imperceptible
4c	79.1%	71.5%	0.90	25.0%	BRE Compliant	Imperceptible
4d	54.3%	46.4%	0.85	25.0%	BRE Compliant	Imperceptible
4e	75.3%	66.6%	0.89	25.0%	BRE Compliant	Imperceptible
5th Floor						
5a	10.6%	8.4%	0.79	8.5%	98.6%	Not Significant
5b	23.9%	21.4%	0.90	19.1%	BRE Compliant	Imperceptible
5c	79.6%	72.9%	0.92	25.0%	BRE Compliant	Imperceptible
5d	54.6%	47.6%	0.87	25.0%	BRE Compliant	Imperceptible
5e	75.5%	68.0%	0.90	25.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

Figure 6.24: Left - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.4 Granted SHD: ABP-303306-18, Block A3 - WPSH

Table No. 6.25: WPSH Results Granted SHD: ABP-303306-18, 3rd - 5th Floor Block A3						
Window Number	Baseline WPSH	Proposed WPSH	Ratio of Proposed WPSH to Baseline WPSH	Recommended minimum WPSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
3rd Floor						
3a	23.7%	21.2%	0.89	5.0%	BRE Compliant	Imperceptible
3b	54.4%	47.1%	0.87	5.0%	BRE Compliant	Imperceptible
3c	87.7%	76.2%	0.87	5.0%	BRE Compliant	Imperceptible
3d	88.3%	75.4%	0.85	5.0%	BRE Compliant	Imperceptible
3e	88.5%	74.3%	0.84	5.0%	BRE Compliant	Imperceptible
4th Floor						
4a	24.1%	21.6%	0.89	5.0%	BRE Compliant	Imperceptible
4b	55.0%	48.1%	0.87	5.0%	BRE Compliant	Imperceptible
4c	89.0%	77.6%	0.87	5.0%	BRE Compliant	Imperceptible
4d	59.5%	46.7%	0.78	5.0%	BRE Compliant	Imperceptible
4e	86.8%	72.6%	0.84	5.0%	BRE Compliant	Imperceptible
5th Floor						
5a	24.4%	21.9%	0.90	5.0%	BRE Compliant	Imperceptible
5b	55.4%	49.2%	0.89	5.0%	BRE Compliant	Imperceptible
5c	89.9%	79.1%	0.88	5.0%	BRE Compliant	Imperceptible
5d	60.0%	47.8%	0.80	5.0%	BRE Compliant	Imperceptible
5e	87.3%	73.9%	0.85	5.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

Figure 6.25: Left - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.5 Granted SHD: ABP-303306-18, Block A3 - APSH

Table No. 6.26: APSH Results Granted SHD: ABP-303306-18, 6th - 8th Floors Block A3						
Window Number	Baseline APSH	Proposed APSH	Ratio of Proposed APSH to Baseline APSH	Recommended minimum APSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
6th Floor						
6a	19.6%	17.5%	0.89	15.7%	BRE Compliant	Imperceptible
6b	28.7%	26.7%	0.93	23.0%	BRE Compliant	Imperceptible
6c	80.1%	74.3%	0.93	25.0%	BRE Compliant	Imperceptible
6d	54.9%	48.9%	0.89	25.0%	BRE Compliant	Imperceptible
6e	78.5%	72.0%	0.92	25.0%	BRE Compliant	Imperceptible
7th Floor						
7a	83.8%	80.7%	0.96	25.0%	BRE Compliant	Imperceptible
7b	83.6%	80.5%	0.96	25.0%	BRE Compliant	Imperceptible
7c	84.7%	79.8%	0.94	25.0%	BRE Compliant	Imperceptible
7d	85.7%	80.3%	0.94	25.0%	BRE Compliant	Imperceptible
8th Floor						
8a	86.2%	82.9%	0.96	25.0%	BRE Compliant	Imperceptible
8b	86.2%	82.6%	0.96	25.0%	BRE Compliant	Imperceptible
8c	86.2%	82.3%	0.95	25.0%	BRE Compliant	Imperceptible
8d	86.2%	82.0%	0.95	25.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

Figure 6.26: Left - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.6 Granted SHD: ABP-303306-18, Block A3 - WPSH

Table No. 6.27: WPSH Results Granted SHD: ABP-303306-18, 6th - 8th Floors Block A3						
Window Number	Baseline WPSH	Proposed WPSH	Ratio of Proposed WPSH to Baseline WPSH	Recommended minimum WPSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
6th Floor						
6a	24.7%	22.2%	0.90	5.0%	BRE Compliant	Imperceptible
6b	55.7%	50.5%	0.91	5.0%	BRE Compliant	Imperceptible
6c	90.7%	80.7%	0.89	5.0%	BRE Compliant	Imperceptible
6d	60.3%	49.2%	0.81	5.0%	BRE Compliant	Imperceptible
6e	87.8%	75.4%	0.86	5.0%	BRE Compliant	Imperceptible
7th Floor						
7a	92.1%	86.9%	0.94	5.0%	BRE Compliant	Imperceptible
7b	91.9%	86.4%	0.94	5.0%	BRE Compliant	Imperceptible
7c	93.5%	83.8%	0.90	5.0%	BRE Compliant	Imperceptible
7d	96.2%	85.4%	0.89	5.0%	BRE Compliant	Imperceptible
8th Floor						
8a	97.7%	91.2%	0.93	5.0%	BRE Compliant	Imperceptible
8b	97.7%	90.6%	0.93	5.0%	BRE Compliant	Imperceptible
8c	97.6%	89.8%	0.92	5.0%	BRE Compliant	Imperceptible
8d	97.6%	88.9%	0.91	5.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

Figure 6.27: Left - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.7 Granted SHD: ABP-303306-18, Block B1 - APSH

Table No. 6.28: APSH Results Granted SHD: ABP-303306-18, Ground Floor Block B1						
Window Number	Baseline APSH	Proposed APSH	Ratio of Proposed APSH to Baseline APSH	Recommended minimum APSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
Ground Floor						
Ga	73.1%	53.5%	0.73	25.0%	BRE Compliant	Imperceptible
Gb	73.1%	52.8%	0.72	25.0%	BRE Compliant	Imperceptible
Gc	72.5%	51.4%	0.71	25.0%	BRE Compliant	Imperceptible
Gd	62.0%	38.3%	0.62	25.0%	BRE Compliant	Imperceptible
Ge	67.1%	41.8%	0.62	25.0%	BRE Compliant	Imperceptible
Gf	75.7%	47.1%	0.62	25.0%	BRE Compliant	Imperceptible
Gg	76.1%	47.2%	0.62	25.0%	BRE Compliant	Imperceptible
Gh	76.2%	47.3%	0.62	25.0%	BRE Compliant	Imperceptible
Gi	76.5%	47.4%	0.62	25.0%	BRE Compliant	Imperceptible
Gj	76.7%	47.2%	0.62	25.0%	BRE Compliant	Imperceptible
Gk	76.8%	46.9%	0.61	25.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to “2.2 Definition of Effects” on page 6.

Figure 6.28: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.8 Granted SHD: ABP-303306-18, Block B1 - WPSH

Table No. 6.29: WPSH Results Granted SHD: ABP-303306-18, Ground Floor Block B1						
Window Number	Baseline WPSH	Proposed WPSH	Ratio of Proposed WPSH to Baseline WPSH	Recommended minimum WPSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
Ground Floor						
Ga	79.3%	53.2%	0.67	5.0%	BRE Compliant	Imperceptible
Gb	79.3%	52.0%	0.66	5.0%	BRE Compliant	Imperceptible
Gc	79.3%	50.0%	0.63	5.0%	BRE Compliant	Imperceptible
Gd	79.0%	45.3%	0.57	5.0%	BRE Compliant	Imperceptible
Ge	79.0%	42.2%	0.53	5.0%	BRE Compliant	Imperceptible
Gf	78.7%	34.6%	0.44	5.0%	BRE Compliant	Imperceptible
Gg	78.6%	34.1%	0.43	5.0%	BRE Compliant	Imperceptible
Gh	78.5%	33.8%	0.43	5.0%	BRE Compliant	Imperceptible
Gi	78.3%	33.4%	0.43	5.0%	BRE Compliant	Imperceptible
Gj	78.2%	32.7%	0.42	5.0%	BRE Compliant	Imperceptible
Gk	78.0%	31.7%	0.41	5.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to “2.2 Definition of Effects” on page 6.

Figure 6.29: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.9 Granted SHD: ABP-303306-18, Block B1 - APSH

Table No. 6.30: APSH Results Granted SHD: ABP-303306-18, 1st Floor Block B1						
Window Number	Baseline APSH	Proposed APSH	Ratio of Proposed APSH to Baseline APSH	Recommended minimum APSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
1st Floor						
1a	75.0%	56.0%	0.75	25.0%	BRE Compliant	Imperceptible
1b	74.9%	55.4%	0.74	25.0%	BRE Compliant	Imperceptible
1c	73.6%	54.0%	0.73	25.0%	BRE Compliant	Imperceptible
1d	65.8%	47.0%	0.72	25.0%	BRE Compliant	Imperceptible
1e	40.6%	22.9%	0.56	25.0%	91.4%	Not Significant
1f	66.1%	42.0%	0.64	25.0%	BRE Compliant	Imperceptible
1g	28.6%	13.4%	0.47	22.8%	58.5%	Moderate
1h	19.7%	9.3%	0.47	15.8%	58.9%	Moderate
1i	16.3%	5.9%	0.36	13.1%	45.3%	Significant
1j	16.1%	6.4%	0.40	12.9%	49.4%	Significant
1k	16.2%	6.0%	0.37	12.9%	46.5%	Significant
1l	17.6%	7.2%	0.41	14.0%	51.0%	Moderate
1m	25.1%	11.0%	0.44	20.1%	54.8%	Moderate

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

Figure 6.30: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.10 Granted SHD: ABP-303306-18, Block B1 - WPSH

Table No. 6.31: WPSH Results Granted SHD: ABP-303306-18, 1st Floor Block B1						
Window Number	Baseline WPSH	Proposed WPSH	Ratio of Proposed WPSH to Baseline WPSH	Recommended minimum WPSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
1st Floor						
1a	84.5%	54.6%	0.65	5.0%	BRE Compliant	Imperceptible
1b	84.6%	53.5%	0.63	5.0%	BRE Compliant	Imperceptible
1c	84.8%	51.5%	0.61	5.0%	BRE Compliant	Imperceptible
1d	84.9%	49.4%	0.58	5.0%	BRE Compliant	Imperceptible
1e	73.5%	38.2%	0.52	5.0%	BRE Compliant	Imperceptible
1f	77.7%	36.8%	0.47	5.0%	BRE Compliant	Imperceptible
1g	35.4%	1.7%	0.05	5.0%	33.6%	Significant
1h	48.4%	21.9%	0.45	5.0%	BRE Compliant	Imperceptible
1i	41.0%	14.4%	0.35	5.0%	BRE Compliant	Imperceptible
1j	40.3%	15.4%	0.38	5.0%	BRE Compliant	Imperceptible
1k	40.0%	14.0%	0.35	5.0%	BRE Compliant	Imperceptible
1l	39.8%	13.4%	0.34	5.0%	BRE Compliant	Imperceptible
1m	42.6%	14.6%	0.34	5.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

Figure 6.31: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.11 Granted SHD: ABP-303306-18, Block B1 - APSH

Table No. 6.32: APSH Results Granted SHD: ABP-303306-18, 2nd Floor Block B1						
Window Number	Baseline APSH	Proposed APSH	Ratio of Proposed APSH to Baseline APSH	Recommended minimum APSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
2nd Floor						
2a	76.1%	58.5%	0.77	25.0%	BRE Compliant	Imperceptible
2b	76.1%	57.9%	0.76	25.0%	BRE Compliant	Imperceptible
2c	74.9%	56.6%	0.76	25.0%	BRE Compliant	Imperceptible
2d	67.1%	49.0%	0.73	25.0%	BRE Compliant	Imperceptible
2e	41.8%	24.2%	0.58	25.0%	96.9%	Not Significant
2f	67.1%	44.8%	0.67	25.0%	BRE Compliant	Imperceptible
2g	28.9%	15.1%	0.52	23.2%	65.1%	Moderate
2h	20.6%	9.8%	0.47	16.5%	59.3%	Moderate
2i	17.4%	6.4%	0.37	13.9%	46.3%	Significant
2j	17.2%	6.9%	0.40	13.8%	49.7%	Significant
2k	17.3%	6.6%	0.38	13.9%	47.6%	Significant
2l	18.8%	7.8%	0.41	15.0%	51.7%	Moderate
2m	26.4%	11.8%	0.45	21.1%	55.8%	Moderate

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

Figure 6.32: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.12 Granted SHD: ABP-303306-18, Block B1 - WPSH

Table No. 6.33: WPSH Results Granted SHD: ABP-303306-18, 2ndFloor Block B1						
Window Number	Baseline WPSH	Proposed WPSH	Ratio of Proposed WPSH to Baseline WPSH	Recommended minimum WPSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
2nd Floor						
2a	86.7%	55.7%	0.64	5.0%	BRE Compliant	Imperceptible
2b	86.9%	54.5%	0.63	5.0%	BRE Compliant	Imperceptible
2c	87.2%	52.6%	0.60	5.0%	BRE Compliant	Imperceptible
2d	87.4%	50.5%	0.58	5.0%	BRE Compliant	Imperceptible
2e	76.2%	39.4%	0.52	5.0%	BRE Compliant	Imperceptible
2f	80.5%	38.2%	0.47	5.0%	BRE Compliant	Imperceptible
2g	36.6%	2.6%	0.07	5.0%	51.2%	Moderate
2h	50.8%	23.1%	0.45	5.0%	BRE Compliant	Imperceptible
2i	43.6%	15.6%	0.36	5.0%	BRE Compliant	Imperceptible
2j	43.2%	16.5%	0.38	5.0%	BRE Compliant	Imperceptible
2k	42.7%	15.1%	0.35	5.0%	BRE Compliant	Imperceptible
2l	42.6%	14.5%	0.34	5.0%	BRE Compliant	Imperceptible
2m	45.5%	15.6%	0.34	5.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

Figure 6.33: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.13 Granted SHD: ABP-303306-18, Block B1 - APSH

Table No. 6.34: APSH Results Granted SHD: ABP-303306-18, 3rd Floor Block B1						
Window Number	Baseline APSH	Proposed APSH	Ratio of Proposed APSH to Baseline APSH	Recommended minimum APSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
3rd Floor						
3a	77.5%	61.1%	0.79	25.0%	BRE Compliant	Imperceptible
3b	77.6%	60.6%	0.78	25.0%	BRE Compliant	Imperceptible
3c	76.5%	59.3%	0.78	25.0%	BRE Compliant	Imperceptible
3d	68.7%	51.0%	0.74	25.0%	BRE Compliant	Imperceptible
3e	43.3%	25.7%	0.59	25.0%	BRE Compliant	Imperceptible
3f	68.4%	47.7%	0.70	25.0%	BRE Compliant	Imperceptible
3g	30.0%	17.4%	0.58	24.0%	72.5%	Moderate
3h	58.1%	44.5%	0.77	25.0%	BRE Compliant	Imperceptible
3i	57.6%	44.0%	0.76	25.0%	BRE Compliant	Imperceptible
3j	57.2%	44.3%	0.77	25.0%	BRE Compliant	Imperceptible
3k	58.4%	44.8%	0.77	25.0%	BRE Compliant	Imperceptible
3l	60.9%	46.8%	0.77	25.0%	BRE Compliant	Imperceptible
3m	63.0%	47.4%	0.75	25.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

Figure 6.34: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.14 Granted SHD: ABP-303306-18, Block B1 - WPSH

Table No. 6.35: WPSH Results Granted SHD: ABP-303306-18, 3rdFloor Block B1						
Window Number	Baseline WPSH	Proposed WPSH	Ratio of Proposed WPSH to Baseline WPSH	Recommended minimum WPSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
3rd Floor						
3a	89.0%	56.7%	0.64	5.0%	BRE Compliant	Imperceptible
3b	89.3%	55.6%	0.62	5.0%	BRE Compliant	Imperceptible
3c	89.7%	53.7%	0.60	5.0%	BRE Compliant	Imperceptible
3d	90.0%	51.6%	0.57	5.0%	BRE Compliant	Imperceptible
3e	79.1%	40.6%	0.51	5.0%	BRE Compliant	Imperceptible
3f	83.4%	39.4%	0.47	5.0%	BRE Compliant	Imperceptible
3g	37.9%	5.2%	0.14	5.0%	BRE Compliant	Imperceptible
3h	61.1%	29.2%	0.48	5.0%	BRE Compliant	Imperceptible
3i	57.6%	25.7%	0.45	5.0%	BRE Compliant	Imperceptible
3j	57.4%	27.0%	0.47	5.0%	BRE Compliant	Imperceptible
3k	57.2%	25.7%	0.45	5.0%	BRE Compliant	Imperceptible
3l	57.9%	25.8%	0.44	5.0%	BRE Compliant	Imperceptible
3m	60.1%	26.7%	0.44	5.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

Figure 6.35: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.15 Granted SHD: ABP-303306-18, Block B1 - APSH

Table No. 6.36: APSH Results Granted SHD: ABP-303306-18, 4th & 5th Floors Block B1						
Window Number	Baseline APSH	Proposed APSH	Ratio of Proposed APSH to Baseline APSH	Recommended minimum APSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
4th Floor						
4a	79.2%	64.3%	0.81	25.0%	BRE Compliant	Imperceptible
4b	79.1%	63.8%	0.81	25.0%	BRE Compliant	Imperceptible
4c	77.6%	62.1%	0.80	25.0%	BRE Compliant	Imperceptible
4d	69.8%	53.4%	0.77	25.0%	BRE Compliant	Imperceptible
4e	44.4%	27.6%	0.62	25.0%	BRE Compliant	Imperceptible
4f	69.3%	50.8%	0.73	25.0%	BRE Compliant	Imperceptible
5th Floor						
5a	81.3%	68.2%	0.84	25.0%	BRE Compliant	Imperceptible
5b	81.7%	68.3%	0.84	25.0%	BRE Compliant	Imperceptible
5c	82.3%	68.3%	0.83	25.0%	BRE Compliant	Imperceptible
5d	82.8%	68.2%	0.82	25.0%	BRE Compliant	Imperceptible
5e	83.2%	68.0%	0.82	25.0%	BRE Compliant	Imperceptible
5f	83.5%	67.7%	0.81	25.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

Figure 6.36: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.16 Granted SHD: ABP-303306-18, Block B1 - WPSH

Table No. 6.37: WPSH Results Granted SHD: ABP-303306-18, 4th & 5th Floors Block B1						
Window Number	Baseline WPSH	Proposed WPSH	Ratio of Proposed WPSH to Baseline WPSH	Recommended minimum WPSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
4th Floor						
4a	90.3%	57.8%	0.64	5.0%	BRE Compliant	Imperceptible
4b	90.6%	56.8%	0.63	5.0%	BRE Compliant	Imperceptible
4c	91.1%	55.2%	0.61	5.0%	BRE Compliant	Imperceptible
4d	91.4%	53.5%	0.59	5.0%	BRE Compliant	Imperceptible
4e	80.6%	42.6%	0.53	5.0%	BRE Compliant	Imperceptible
4f	84.8%	42.7%	0.50	5.0%	BRE Compliant	Imperceptible
5th Floor						
5a	91.1%	61.0%	0.67	5.0%	BRE Compliant	Imperceptible
5b	91.4%	60.4%	0.66	5.0%	BRE Compliant	Imperceptible
5c	91.9%	59.4%	0.65	5.0%	BRE Compliant	Imperceptible
5d	92.2%	58.3%	0.63	5.0%	BRE Compliant	Imperceptible
5e	92.6%	57.2%	0.62	5.0%	BRE Compliant	Imperceptible
5f	92.9%	55.9%	0.60	5.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

Figure 6.37: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.17 Granted SHD: ABP-303306-18, Block B2 - APSH

Table No. 6.38: APSH Results Granted SHD: ABP-303306-18, Ground Floor Block B2						
Window Number	Baseline APSH	Proposed APSH	Ratio of Proposed APSH to Baseline APSH	Recommended minimum APSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
Ground Floor						
Ga	68.8%	43.0%	0.63	25.0%	BRE Compliant	Imperceptible
Gb	71.3%	45.0%	0.63	25.0%	BRE Compliant	Imperceptible
Gc	76.9%	50.8%	0.66	25.0%	BRE Compliant	Imperceptible
Gd	76.3%	50.9%	0.67	25.0%	BRE Compliant	Imperceptible
Ge	75.5%	51.1%	0.68	25.0%	BRE Compliant	Imperceptible
Gf	74.5%	51.2%	0.69	25.0%	BRE Compliant	Imperceptible
Gg	73.4%	51.1%	0.70	25.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

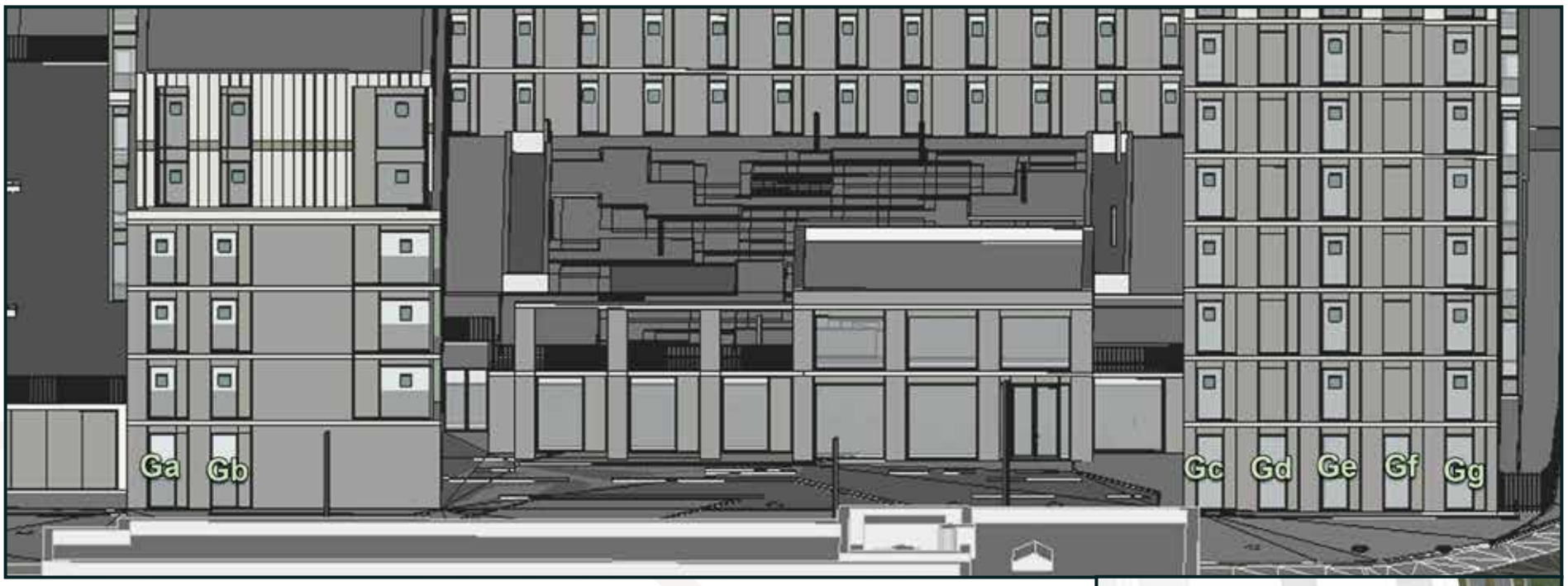


Figure 6.38: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.18 Granted SHD: ABP-303306-18, Block B2 - WPSH

Table No. 6.39: WPSH Results Granted SHD: ABP-303306-18, Ground Floor Block B2						
Window Number	Baseline WPSH	Proposed WPSH	Ratio of Proposed WPSH to Baseline WPSH	Recommended minimum WPSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
Ground Floor						
Ga	72.4%	23.7%	0.33	5.0%	BRE Compliant	Imperceptible
Gb	75.2%	25.4%	0.34	5.0%	BRE Compliant	Imperceptible
Gc	79.6%	28.2%	0.35	5.0%	BRE Compliant	Imperceptible
Gd	78.1%	28.1%	0.36	5.0%	BRE Compliant	Imperceptible
Ge	76.3%	28.3%	0.37	5.0%	BRE Compliant	Imperceptible
Gf	74.3%	28.3%	0.38	5.0%	BRE Compliant	Imperceptible
Gg	71.7%	27.9%	0.39	5.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to “2.2 Definition of Effects” on page 6.

Figure 6.39: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.19 Granted SHD: ABP-303306-18, Block B2 - APSH

Table No. 6.40: APSH Results Granted SHD: ABP-303306-18, 1st Floor Block B2						
Window Number	Baseline APSH	Proposed APSH	Ratio of Proposed APSH to Baseline APSH	Recommended minimum APSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
1st Floor						
1a	73.2%	48.8%	0.67	25.0%	BRE Compliant	Imperceptible
1b	76.1%	51.3%	0.67	25.0%	BRE Compliant	Imperceptible
1c	79.7%	55.1%	0.69	25.0%	BRE Compliant	Imperceptible
1d	26.9%	23.7%	0.88	21.5%	BRE Compliant	Imperceptible
1e	30.2%	26.9%	0.89	24.2%	BRE Compliant	Imperceptible
1f	33.2%	29.9%	0.90	25.0%	BRE Compliant	Imperceptible
1g	35.9%	32.5%	0.91	25.0%	BRE Compliant	Imperceptible
1h	38.0%	34.7%	0.91	25.0%	BRE Compliant	Imperceptible
1i	39.5%	36.4%	0.92	25.0%	BRE Compliant	Imperceptible
1j	40.5%	37.6%	0.93	25.0%	BRE Compliant	Imperceptible
1k	40.9%	38.3%	0.94	25.0%	BRE Compliant	Imperceptible
1l	40.6%	38.2%	0.94	25.0%	BRE Compliant	Imperceptible
1m	39.5%	37.4%	0.95	25.0%	BRE Compliant	Imperceptible
1n	37.8%	35.9%	0.95	25.0%	BRE Compliant	Imperceptible
1o	35.6%	33.8%	0.95	25.0%	BRE Compliant	Imperceptible
1p	79.6%	55.6%	0.70	25.0%	BRE Compliant	Imperceptible
1q	78.4%	55.9%	0.71	25.0%	BRE Compliant	Imperceptible
1r	76.7%	56.1%	0.73	25.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

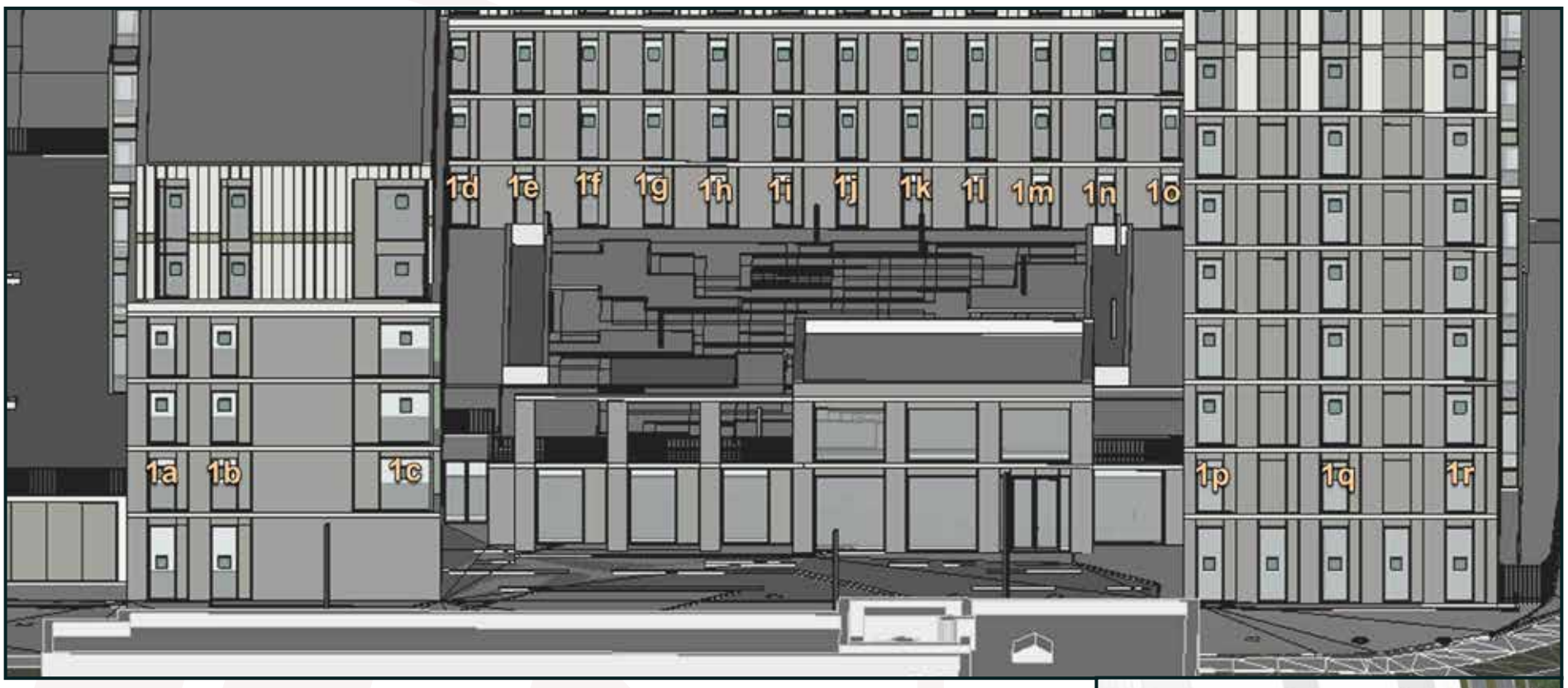


Figure 6.40: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.20 Granted SHD: ABP-303306-18, Block B2 - WPSH

Table No. 6.41: WPSH Results Granted SHD: ABP-303306-18, 1st Floor Block B2						
Window Number	Baseline WPSH	Proposed WPSH	Ratio of Proposed WPSH to Baseline WPSH	Recommended minimum WPSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
1st Floor						
1a	80.0%	28.6%	0.36	5.0%	BRE Compliant	Imperceptible
1b	82.7%	30.2%	0.37	5.0%	BRE Compliant	Imperceptible
1c	86.1%	33.6%	0.39	5.0%	BRE Compliant	Imperceptible
1d	23.6%	15.6%	0.66	5.0%	BRE Compliant	Imperceptible
1e	25.7%	17.3%	0.68	5.0%	BRE Compliant	Imperceptible
1f	27.5%	19.1%	0.70	5.0%	BRE Compliant	Imperceptible
1g	29.2%	20.7%	0.71	5.0%	BRE Compliant	Imperceptible
1h	30.5%	22.2%	0.73	5.0%	BRE Compliant	Imperceptible
1i	31.6%	23.8%	0.75	5.0%	BRE Compliant	Imperceptible
1j	32.5%	25.2%	0.77	5.0%	BRE Compliant	Imperceptible
1k	33.0%	26.3%	0.80	5.0%	BRE Compliant	Imperceptible
1l	33.2%	27.2%	0.82	5.0%	BRE Compliant	Imperceptible
1m	33.1%	27.8%	0.84	5.0%	BRE Compliant	Imperceptible
1n	32.8%	28.0%	0.85	5.0%	BRE Compliant	Imperceptible
1o	32.3%	27.8%	0.86	5.0%	BRE Compliant	Imperceptible
1p	83.0%	32.3%	0.39	5.0%	BRE Compliant	Imperceptible
1q	79.8%	32.5%	0.41	5.0%	BRE Compliant	Imperceptible
1r	75.4%	31.7%	0.42	5.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

Figure 6.41: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.21 Granted SHD: ABP-303306-18, Block B2 - APSH

Table No. 6.42: APSH Results Granted SHD: ABP-303306-18, 2nd Floor Block B2						
Window Number	Baseline APSH	Proposed APSH	Ratio of Proposed APSH to Baseline APSH	Recommended minimum APSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
2nd Floor						
2a	77.0%	54.9%	0.71	25.0%	BRE Compliant	Imperceptible
2b	79.2%	56.8%	0.72	25.0%	BRE Compliant	Imperceptible
2c	81.5%	59.3%	0.73	25.0%	BRE Compliant	Imperceptible
2d	29.4%	26.8%	0.91	23.6%	BRE Compliant	Imperceptible
2e	33.9%	31.2%	0.92	25.0%	BRE Compliant	Imperceptible
2f	38.0%	35.4%	0.93	25.0%	BRE Compliant	Imperceptible
2g	41.5%	38.8%	0.94	25.0%	BRE Compliant	Imperceptible
2h	44.1%	41.6%	0.94	25.0%	BRE Compliant	Imperceptible
2i	46.0%	43.6%	0.95	25.0%	BRE Compliant	Imperceptible
2j	47.0%	44.9%	0.96	25.0%	BRE Compliant	Imperceptible
2k	46.9%	45.1%	0.96	25.0%	BRE Compliant	Imperceptible
2l	46.1%	44.5%	0.97	25.0%	BRE Compliant	Imperceptible
2m	44.3%	42.9%	0.97	25.0%	BRE Compliant	Imperceptible
2n	41.8%	40.5%	0.97	25.0%	BRE Compliant	Imperceptible
2o	38.4%	37.2%	0.97	25.0%	BRE Compliant	Imperceptible
2p	81.1%	59.7%	0.74	25.0%	BRE Compliant	Imperceptible
2q	80.2%	60.1%	0.75	25.0%	BRE Compliant	Imperceptible
2r	79.0%	60.5%	0.76	25.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

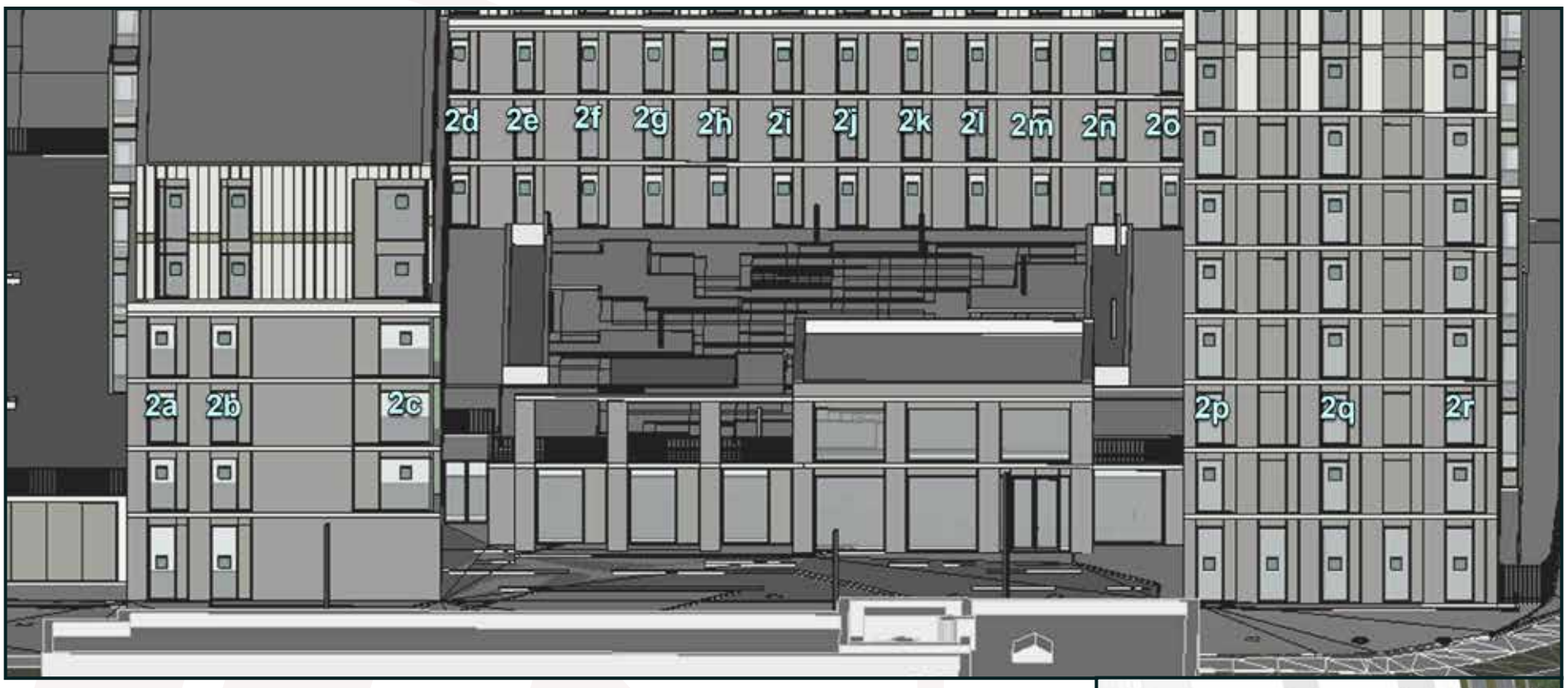


Figure 6.42: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.22 Granted SHD: ABP-303306-18, Block B2 - WPSH

Table No. 6.43: WPSH Results Granted SHD: ABP-303306-18, 2nd Floor Block B2						
Window Number	Baseline WPSH	Proposed WPSH	Ratio of Proposed WPSH to Baseline WPSH	Recommended minimum WPSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
2nd Floor						
2a	82.7%	32.9%	0.40	5.0%	BRE Compliant	Imperceptible
2b	85.2%	34.8%	0.41	5.0%	BRE Compliant	Imperceptible
2c	88.4%	38.7%	0.44	5.0%	BRE Compliant	Imperceptible
2d	24.6%	17.6%	0.71	5.0%	BRE Compliant	Imperceptible
2e	27.3%	20.2%	0.74	5.0%	BRE Compliant	Imperceptible
2f	29.9%	22.8%	0.76	5.0%	BRE Compliant	Imperceptible
2g	32.2%	25.2%	0.78	5.0%	BRE Compliant	Imperceptible
2h	34.2%	27.3%	0.80	5.0%	BRE Compliant	Imperceptible
2i	35.7%	29.4%	0.82	5.0%	BRE Compliant	Imperceptible
2j	36.8%	31.1%	0.84	5.0%	BRE Compliant	Imperceptible
2k	37.3%	32.3%	0.86	5.0%	BRE Compliant	Imperceptible
2l	37.5%	33.1%	0.88	5.0%	BRE Compliant	Imperceptible
2m	37.3%	33.3%	0.89	5.0%	BRE Compliant	Imperceptible
2n	36.7%	33.1%	0.90	5.0%	BRE Compliant	Imperceptible
2o	35.9%	32.5%	0.91	5.0%	BRE Compliant	Imperceptible
2p	84.9%	37.6%	0.44	5.0%	BRE Compliant	Imperceptible
2q	82.1%	37.9%	0.46	5.0%	BRE Compliant	Imperceptible
2r	78.6%	37.6%	0.48	5.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to “2.2 Definition of Effects” on page 6.

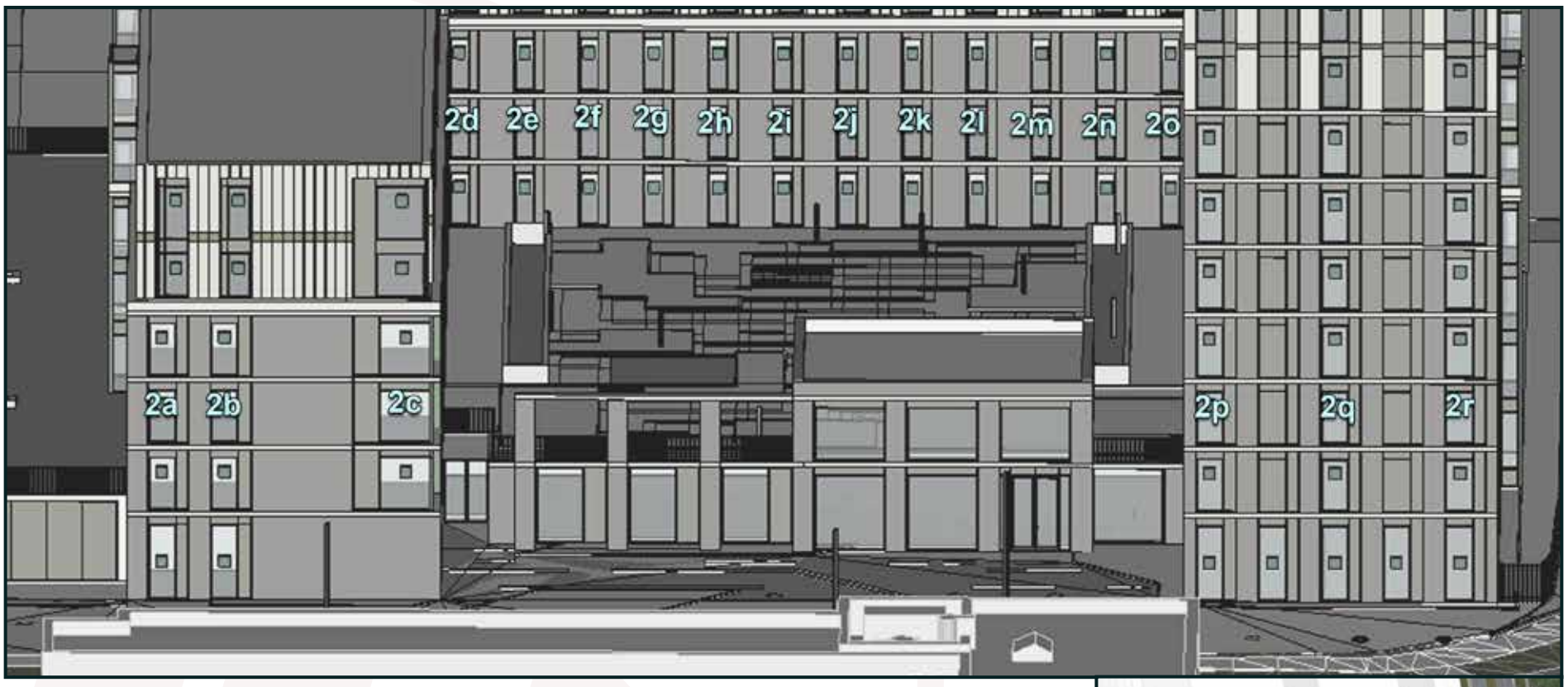


Figure 6.43: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.23 Granted SHD: ABP-303306-18, Block B2 - APSH

Table No. 6.44: APSH Results Granted SHD: ABP-303306-18, 3rd Floor Block B2						
Window Number	Baseline APSH	Proposed APSH	Ratio of Proposed APSH to Baseline APSH	Recommended minimum APSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
3rd Floor						
3a	81.6%	61.6%	0.76	25.0%	BRE Compliant	Imperceptible
3b	82.5%	62.3%	0.76	25.0%	BRE Compliant	Imperceptible
3c	83.2%	63.3%	0.76	25.0%	BRE Compliant	Imperceptible
3d	32.6%	30.3%	0.93	25.0%	BRE Compliant	Imperceptible
3e	39.4%	37.1%	0.94	25.0%	BRE Compliant	Imperceptible
3f	45.3%	43.1%	0.95	25.0%	BRE Compliant	Imperceptible
3g	49.9%	47.7%	0.96	25.0%	BRE Compliant	Imperceptible
3h	53.1%	51.0%	0.96	25.0%	BRE Compliant	Imperceptible
3i	54.8%	52.9%	0.97	25.0%	BRE Compliant	Imperceptible
3j	55.2%	53.5%	0.97	25.0%	BRE Compliant	Imperceptible
3k	54.5%	53.1%	0.97	25.0%	BRE Compliant	Imperceptible
3l	53.1%	51.7%	0.97	25.0%	BRE Compliant	Imperceptible
3m	50.6%	49.4%	0.98	25.0%	BRE Compliant	Imperceptible
3n	46.9%	45.8%	0.98	25.0%	BRE Compliant	Imperceptible
3o	42.0%	41.0%	0.98	25.0%	BRE Compliant	Imperceptible
3p	82.9%	63.8%	0.77	25.0%	BRE Compliant	Imperceptible
3q	82.3%	64.4%	0.78	25.0%	BRE Compliant	Imperceptible
3r	81.7%	65.0%	0.80	25.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

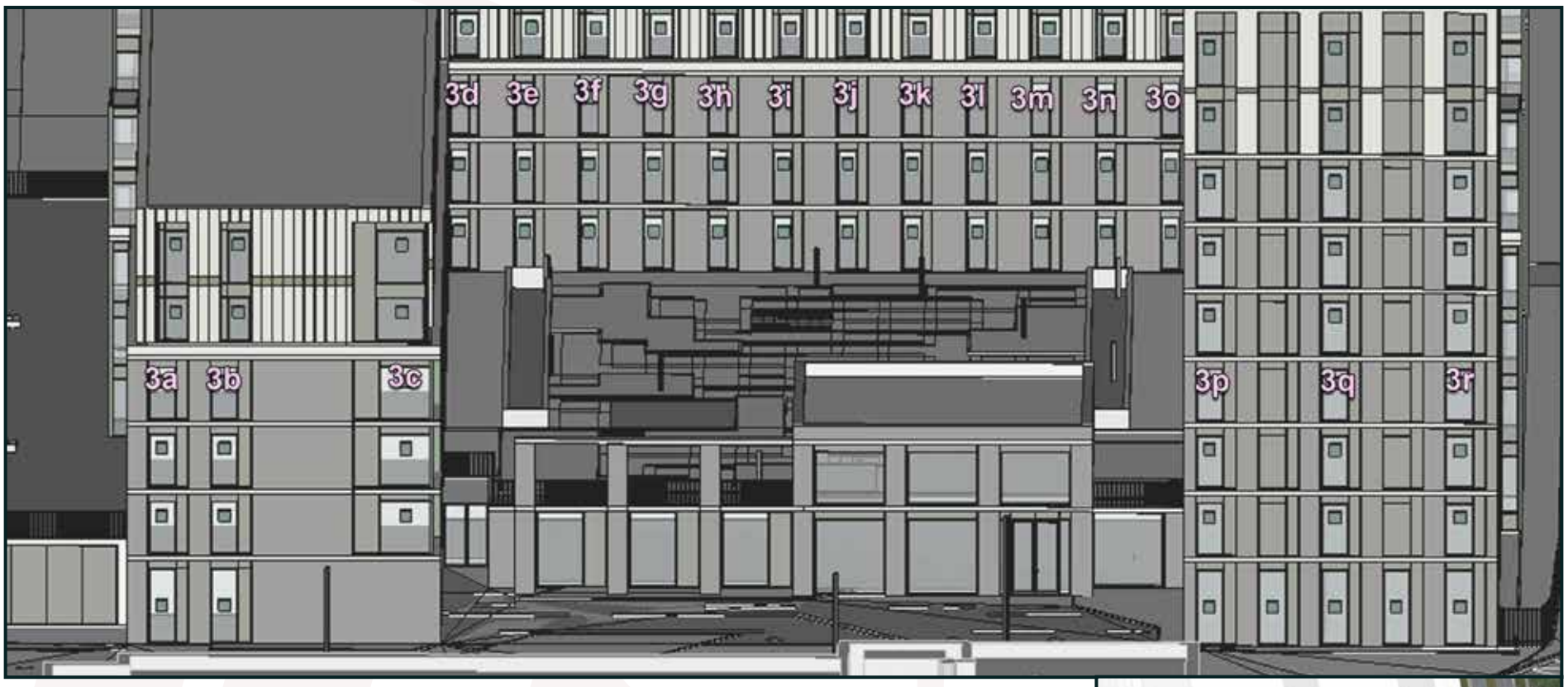


Figure 6.44: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.24 Granted SHD: ABP-303306-18, Block B2 - WPSH

Table No. 6.45: WPSH Results Granted SHD: ABP-303306-18, 3rd Floor Block B2						
Window Number	Baseline WPSH	Proposed WPSH	Ratio of Proposed WPSH to Baseline WPSH	Recommended minimum WPSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
3rd Floor						
3a	87.1%	41.0%	0.47	5.0%	BRE Compliant	Imperceptible
3b	89.2%	42.9%	0.48	5.0%	BRE Compliant	Imperceptible
3c	91.1%	45.7%	0.50	5.0%	BRE Compliant	Imperceptible
3d	25.9%	19.8%	0.76	5.0%	BRE Compliant	Imperceptible
3e	30.3%	24.1%	0.80	5.0%	BRE Compliant	Imperceptible
3f	34.5%	28.4%	0.82	5.0%	BRE Compliant	Imperceptible
3g	38.0%	32.0%	0.84	5.0%	BRE Compliant	Imperceptible
3h	40.7%	35.0%	0.86	5.0%	BRE Compliant	Imperceptible
3i	42.5%	37.4%	0.88	5.0%	BRE Compliant	Imperceptible
3j	43.6%	39.1%	0.90	5.0%	BRE Compliant	Imperceptible
3k	44.0%	39.9%	0.91	5.0%	BRE Compliant	Imperceptible
3l	44.0%	40.3%	0.91	5.0%	BRE Compliant	Imperceptible
3m	43.7%	40.2%	0.92	5.0%	BRE Compliant	Imperceptible
3n	42.8%	39.7%	0.93	5.0%	BRE Compliant	Imperceptible
3o	41.1%	38.3%	0.93	5.0%	BRE Compliant	Imperceptible
3p	88.1%	45.1%	0.51	5.0%	BRE Compliant	Imperceptible
3q	86.7%	46.0%	0.53	5.0%	BRE Compliant	Imperceptible
3r	84.9%	46.8%	0.55	5.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to “2.2 Definition of Effects” on page 6.

Figure 6.45: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.25 Granted SHD: ABP-303306-18, Block B2 - APSH

Table No. 6.46: APSH Results Granted SHD: ABP-303306-18, 4th Floor Block B2						
Window Number	Baseline APSH	Proposed APSH	Ratio of Proposed APSH to Baseline APSH	Recommended minimum APSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
4th Floor						
4a	83.5%	66.4%	0.80	25.0%	BRE Compliant	Imperceptible
4b	83.3%	66.1%	0.79	25.0%	BRE Compliant	Imperceptible
4c	84.0%	67.1%	0.80	25.0%	BRE Compliant	Imperceptible
4d	37.9%	36.0%	0.95	25.0%	BRE Compliant	Imperceptible
4e	49.1%	47.2%	0.96	25.0%	BRE Compliant	Imperceptible
4f	57.2%	55.5%	0.97	25.0%	BRE Compliant	Imperceptible
4g	61.9%	60.2%	0.97	25.0%	BRE Compliant	Imperceptible
4h	64.1%	62.5%	0.97	25.0%	BRE Compliant	Imperceptible
4i	64.9%	63.3%	0.98	25.0%	BRE Compliant	Imperceptible
4j	64.7%	63.3%	0.98	25.0%	BRE Compliant	Imperceptible
4k	63.6%	62.3%	0.98	25.0%	BRE Compliant	Imperceptible
4l	61.6%	60.5%	0.98	25.0%	BRE Compliant	Imperceptible
4m	58.1%	57.2%	0.98	25.0%	BRE Compliant	Imperceptible
4n	53.0%	52.2%	0.99	25.0%	BRE Compliant	Imperceptible
4o	44.9%	44.2%	0.99	25.0%	BRE Compliant	Imperceptible
4p	84.4%	67.9%	0.80	25.0%	BRE Compliant	Imperceptible
4q	84.3%	68.6%	0.81	25.0%	BRE Compliant	Imperceptible
4r	84.1%	69.5%	0.83	25.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

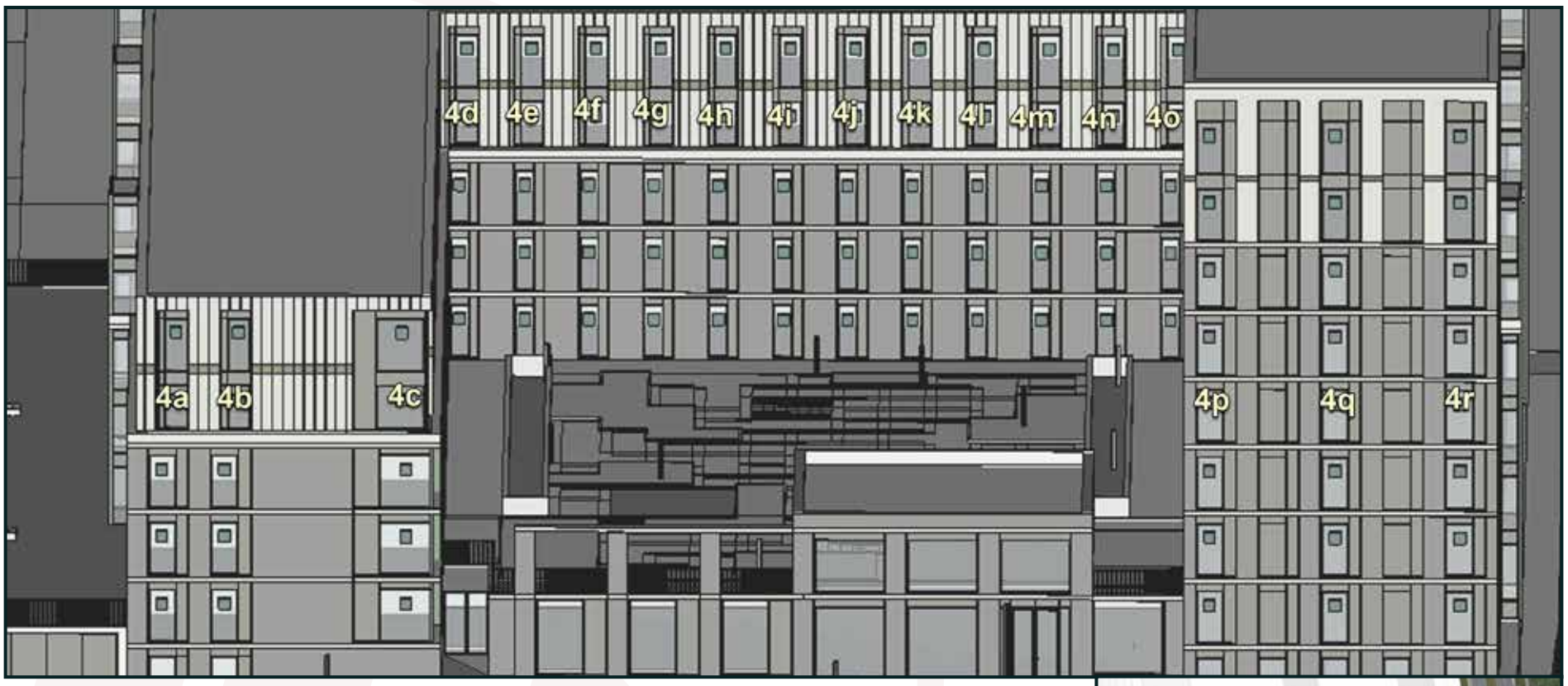


Figure 6.46: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.26 Granted SHD: ABP-303306-18, Block B2 - WPSH

Table No. 6.47: WPSH Results Granted SHD: ABP-303306-18, 4th Floor Block B2						
Window Number	Baseline WPSH	Proposed WPSH	Ratio of Proposed WPSH to Baseline WPSH	Recommended minimum WPSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
4th Floor						
4a	92.3%	52.3%	0.57	5.0%	BRE Compliant	Imperceptible
4b	92.4%	52.2%	0.56	5.0%	BRE Compliant	Imperceptible
4c	92.5%	52.9%	0.57	5.0%	BRE Compliant	Imperceptible
4d	29.7%	24.5%	0.82	5.0%	BRE Compliant	Imperceptible
4e	37.9%	32.9%	0.87	5.0%	BRE Compliant	Imperceptible
4f	44.7%	39.9%	0.89	5.0%	BRE Compliant	Imperceptible
4g	49.6%	45.0%	0.91	5.0%	BRE Compliant	Imperceptible
4h	52.8%	48.3%	0.92	5.0%	BRE Compliant	Imperceptible
4i	54.6%	50.4%	0.92	5.0%	BRE Compliant	Imperceptible
4j	55.5%	51.5%	0.93	5.0%	BRE Compliant	Imperceptible
4k	55.5%	51.9%	0.94	5.0%	BRE Compliant	Imperceptible
4l	54.7%	51.6%	0.94	5.0%	BRE Compliant	Imperceptible
4m	53.4%	50.7%	0.95	5.0%	BRE Compliant	Imperceptible
4n	51.2%	49.0%	0.96	5.0%	BRE Compliant	Imperceptible
4o	47.3%	45.4%	0.96	5.0%	BRE Compliant	Imperceptible
4p	92.0%	53.2%	0.58	5.0%	BRE Compliant	Imperceptible
4q	91.5%	54.5%	0.60	5.0%	BRE Compliant	Imperceptible
4r	90.9%	55.9%	0.62	5.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to “2.2 Definition of Effects” on page 6.

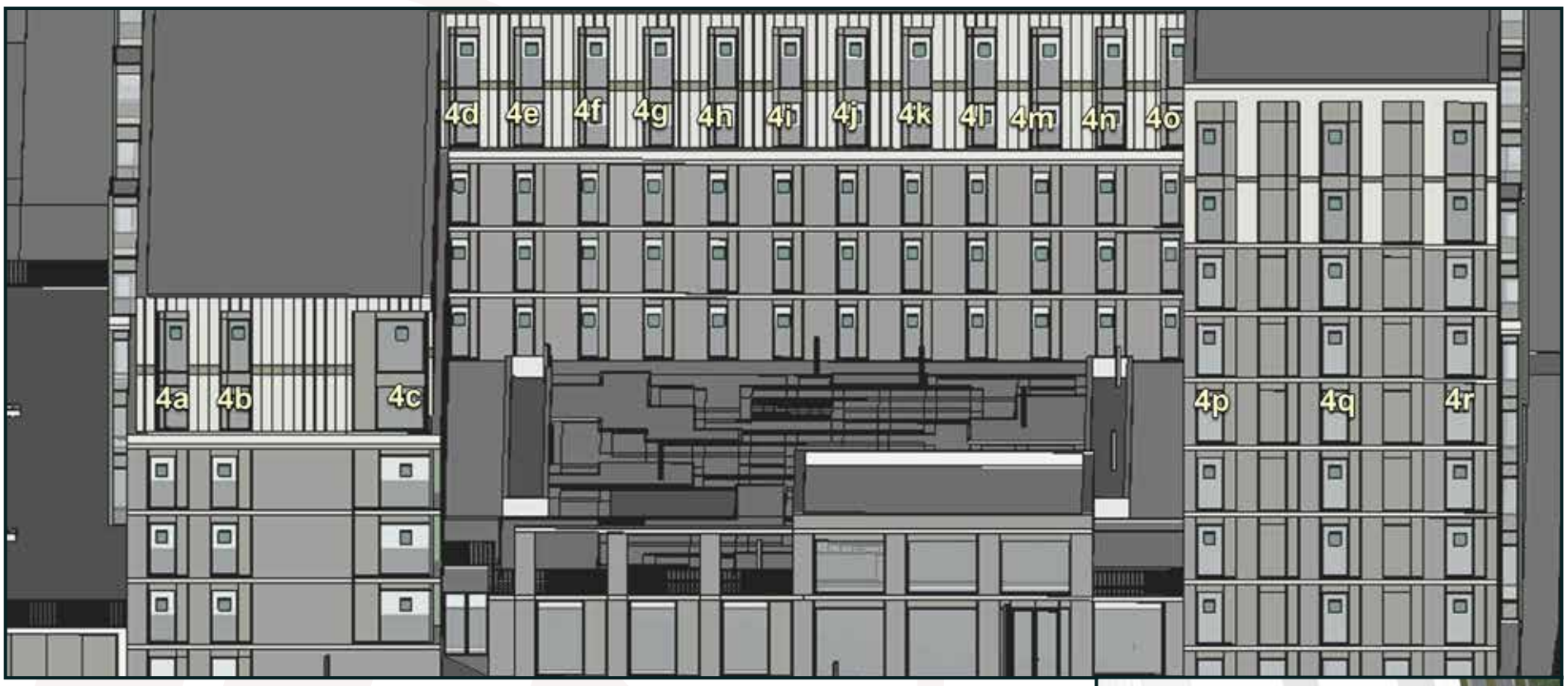


Figure 6.47: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.27 Granted SHD: ABP-303306-18, Block B2 - APSH

Table No. 6.48: APSH Results Granted SHD: ABP-303306-18, 5th Floor Block B2						
Window Number	Baseline APSH	Proposed APSH	Ratio of Proposed APSH to Baseline APSH	Recommended minimum APSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
5th Floor						
5a	84.1%	69.9%	0.83	25.0%	BRE Compliant	Imperceptible
5b	83.9%	69.6%	0.83	25.0%	BRE Compliant	Imperceptible
5c	84.8%	70.6%	0.83	25.0%	BRE Compliant	Imperceptible
5d	49.1%	47.4%	0.97	25.0%	BRE Compliant	Imperceptible
5e	67.7%	66.2%	0.98	25.0%	BRE Compliant	Imperceptible
5f	72.6%	71.0%	0.98	25.0%	BRE Compliant	Imperceptible
5g	74.3%	72.7%	0.98	25.0%	BRE Compliant	Imperceptible
5h	74.8%	73.4%	0.98	25.0%	BRE Compliant	Imperceptible
5i	74.7%	73.4%	0.98	25.0%	BRE Compliant	Imperceptible
5j	74.3%	73.1%	0.98	25.0%	BRE Compliant	Imperceptible
5k	73.8%	72.8%	0.99	25.0%	BRE Compliant	Imperceptible
5l	72.7%	71.9%	0.99	25.0%	BRE Compliant	Imperceptible
5m	70.3%	69.6%	0.99	25.0%	BRE Compliant	Imperceptible
5n	65.1%	64.6%	0.99	25.0%	BRE Compliant	Imperceptible
5o	51.9%	51.5%	0.99	25.0%	BRE Compliant	Imperceptible
5p	85.8%	71.9%	0.84	25.0%	BRE Compliant	Imperceptible
5q	85.8%	72.6%	0.85	25.0%	BRE Compliant	Imperceptible
5r	85.8%	73.5%	0.86	25.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

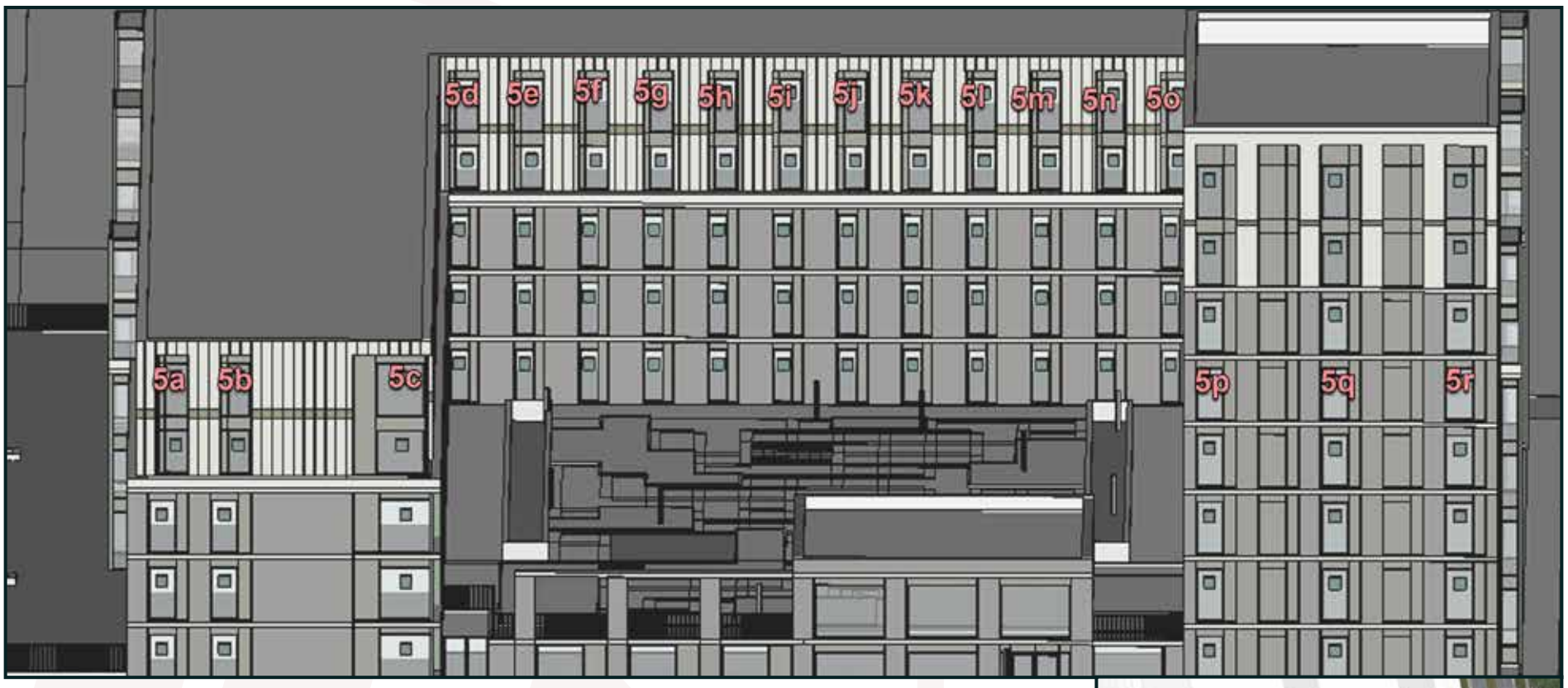


Figure 6.48: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.28 Granted SHD: ABP-303306-18, Block B2 - WPSH

Table No. 6.49: WPSH Results Granted SHD: ABP-303306-18, 5th Floor Block B2						
Window Number	Baseline WPSH	Proposed WPSH	Ratio of Proposed WPSH to Baseline WPSH	Recommended minimum WPSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
5th Floor						
5a	93.5%	59.5%	0.64	5.0%	BRE Compliant	Imperceptible
5b	93.6%	59.4%	0.63	5.0%	BRE Compliant	Imperceptible
5c	93.9%	60.0%	0.64	5.0%	BRE Compliant	Imperceptible
5d	40.0%	35.6%	0.89	5.0%	BRE Compliant	Imperceptible
5e	58.1%	53.9%	0.93	5.0%	BRE Compliant	Imperceptible
5f	66.1%	61.7%	0.93	5.0%	BRE Compliant	Imperceptible
5g	69.8%	65.5%	0.94	5.0%	BRE Compliant	Imperceptible
5h	71.3%	67.3%	0.94	5.0%	BRE Compliant	Imperceptible
5i	71.3%	67.7%	0.95	5.0%	BRE Compliant	Imperceptible
5j	70.9%	67.7%	0.95	5.0%	BRE Compliant	Imperceptible
5k	70.2%	67.4%	0.96	5.0%	BRE Compliant	Imperceptible
5l	69.0%	66.6%	0.97	5.0%	BRE Compliant	Imperceptible
5m	66.8%	64.9%	0.97	5.0%	BRE Compliant	Imperceptible
5n	62.5%	61.0%	0.97	5.0%	BRE Compliant	Imperceptible
5o	54.4%	53.1%	0.98	5.0%	BRE Compliant	Imperceptible
5p	95.1%	60.9%	0.64	5.0%	BRE Compliant	Imperceptible
5q	95.2%	62.2%	0.65	5.0%	BRE Compliant	Imperceptible
5r	95.3%	63.8%	0.67	5.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to “2.2 Definition of Effects” on page 6.

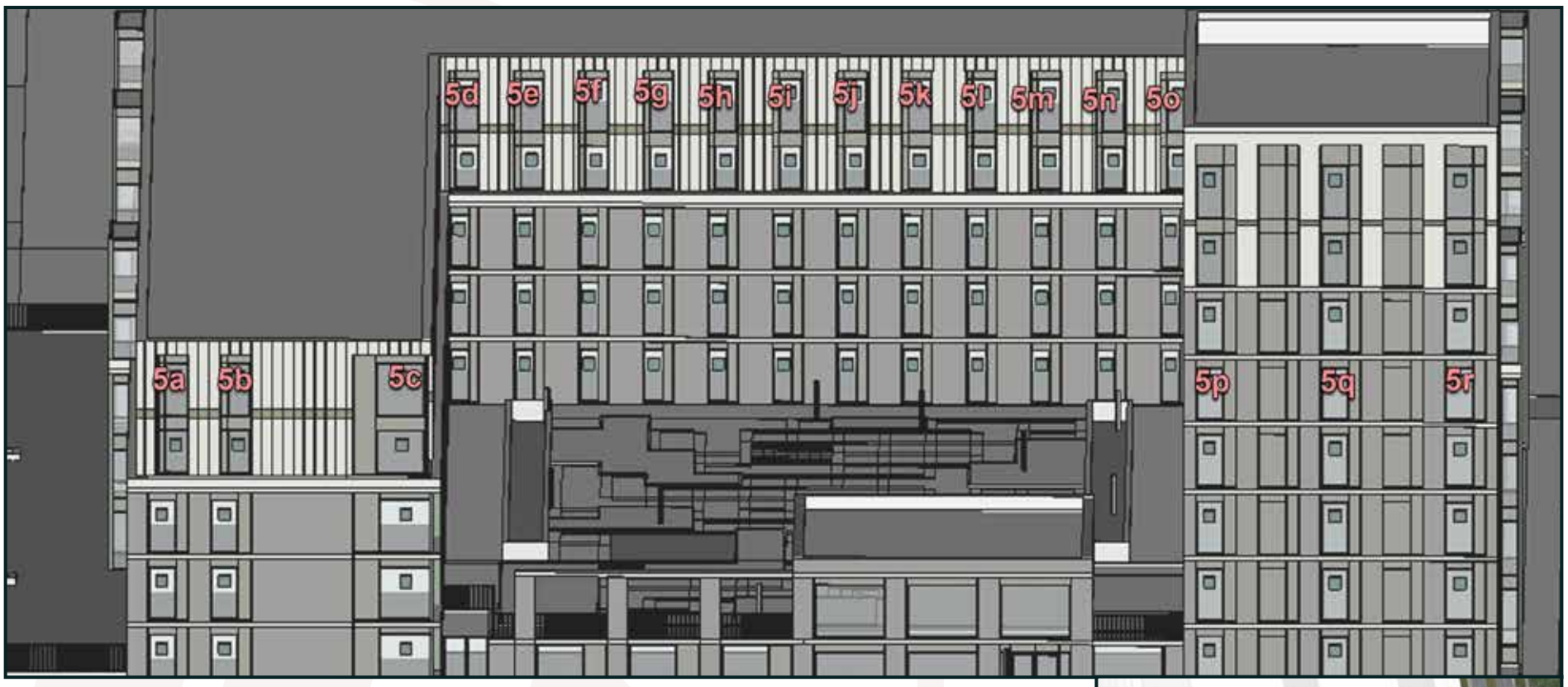


Figure 6.49: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.29 Granted SHD: ABP-303306-18, Block B2 - APSH

Table No. 6.50: APSH Results Granted SHD: ABP-303306-18, 6th - 8th Floors Block B2						
Window Number	Baseline APSH	Proposed APSH	Ratio of Proposed APSH to Baseline APSH	Recommended minimum APSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
6th Floor						
6a	86.2%	75.0%	0.87	25.0%	BRE Compliant	Imperceptible
6b	86.2%	75.6%	0.88	25.0%	BRE Compliant	Imperceptible
6d	86.2%	76.2%	0.88	25.0%	BRE Compliant	Imperceptible
7th Floor						
7a	86.4%	78.0%	0.90	25.0%	BRE Compliant	Imperceptible
7b	86.5%	78.4%	0.91	25.0%	BRE Compliant	Imperceptible
7c	86.5%	78.8%	0.91	25.0%	BRE Compliant	Imperceptible
8th Floor						
8a	86.6%	80.2%	0.93	25.0%	BRE Compliant	Imperceptible
8b	86.6%	80.6%	0.93	25.0%	BRE Compliant	Imperceptible
8c	86.7%	80.9%	0.93	25.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to “2.2 Definition of Effects” on page 6.

Figure 6.50: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.3.30 Granted SHD: ABP-303306-18, Block B2 - WPSH

Table No. 6.51: WPSH Results Granted SHD: ABP-303306-18, 6th - 8th Floors Block B2						
Window Number	Baseline WPSH	Proposed WPSH	Ratio of Proposed WPSH to Baseline WPSH	Recommended minimum WPSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
6th Floor						
6a	96.0%	66.9%	0.70	5.0%	BRE Compliant	Imperceptible
6b	96.1%	68.2%	0.71	5.0%	BRE Compliant	Imperceptible
6d	96.2%	69.7%	0.72	5.0%	BRE Compliant	Imperceptible
7th Floor						
7a	96.7%	74.2%	0.77	5.0%	BRE Compliant	Imperceptible
7b	96.8%	75.4%	0.78	5.0%	BRE Compliant	Imperceptible
7c	96.8%	76.5%	0.79	5.0%	BRE Compliant	Imperceptible
8th Floor						
8a	97.2%	80.2%	0.83	5.0%	BRE Compliant	Imperceptible
8b	97.2%	81.2%	0.83	5.0%	BRE Compliant	Imperceptible
8c	97.2%	82.1%	0.84	5.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to “2.2 Definition of Effects” on page 6.

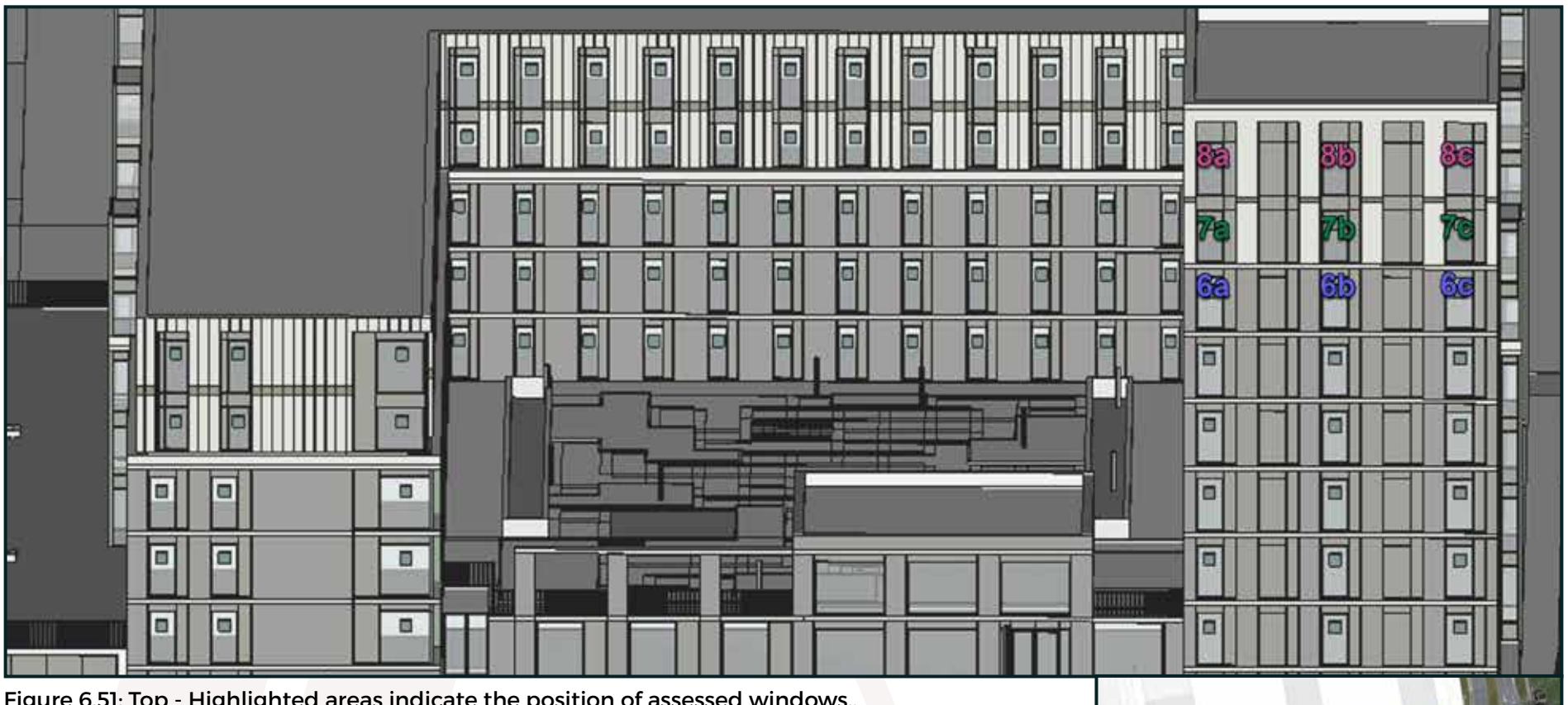


Figure 6.51: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.4 Effect on Annual Probable Sunlight Hours - Without Balconies

6.4.1 Granted SHD: ABP-303306-18, Block B1 - APSH - Without Balconies

Table No. 6.52: APSH Results Granted SHD: ABP-303306-18, Block B1 - Without Balconies***

Window Number	Baseline APSH	Proposed APSH	Ratio of Proposed APSH to Baseline APSH	Recommended minimum APSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
Ground Floor						
Gd_Balc	75.8%	51.9%	0.68	25.0%	BRE Compliant	Imperceptible
1st Floor						
1e_Balc	78.6%	55.7%	0.71	25.0%	BRE Compliant	Imperceptible
1h_Balc	76.0%	51.3%	0.67	25.0%	BRE Compliant	Imperceptible
1i_Balc	77.6%	52.7%	0.68	25.0%	BRE Compliant	Imperceptible
1j_Balc	78.2%	53.1%	0.68	25.0%	BRE Compliant	Imperceptible
1k_Balc	78.6%	53.3%	0.68	25.0%	BRE Compliant	Imperceptible
1l_Balc	79.1%	53.2%	0.67	25.0%	BRE Compliant	Imperceptible
1m_Balc	79.4%	53.2%	0.67	25.0%	BRE Compliant	Imperceptible
2nd Floor						
2e_Balc	79.8%	58.7%	0.73	25.0%	BRE Compliant	Imperceptible
2h_Balc	77.0%	54.3%	0.71	25.0%	BRE Compliant	Imperceptible
2i_Balc	78.7%	55.8%	0.71	25.0%	BRE Compliant	Imperceptible
2j_Balc	79.4%	56.3%	0.71	25.0%	BRE Compliant	Imperceptible
2k_Balc	80.0%	56.7%	0.71	25.0%	BRE Compliant	Imperceptible
2l_Balc	80.7%	56.9%	0.70	25.0%	BRE Compliant	Imperceptible
2m_Balc	81.0%	56.8%	0.70	25.0%	BRE Compliant	Imperceptible
3rd Floor						
3e_Balc	81.3%	61.7%	0.76	25.0%	BRE Compliant	Imperceptible
4th Floor						
4e_Balc	82.4%	64.8%	0.79	25.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

*** An additional impact assessment has been carried out on the windows which are located under balconies in block B1 of the granted scheme to the north of the proposed development (ABP-303306-18) with the balconies removed. This additional study is to demonstrate how balconies can contribute towards perceived high levels of impact. The results of this additional study will not be counted when expressing compliance rates in the impact assessment.

Figure 6.52: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

6.4.2 Granted SHD: ABP-303306-18, Block B1 - WPSH - Without Balconies

Table No. 6.53: WPSH Results Granted SHD: ABP-303306-18, Block B1 - Without Balconies***						
Window Number	Baseline WPSH	Proposed WPSH	Ratio of Proposed WPSH to Baseline WPSH	Recommended minimum WPSH*	Level of Compliance with BRE Guidelines	Effect of Proposed Development
Ground Floor						
Gd_Balc	79.4%	45.5%	0.57	5.0%	BRE Compliant	Imperceptible
1st Floor						
1e_Balc	85.3%	47.2%	0.55	5.0%	BRE Compliant	Imperceptible
1h_Balc	84.1%	37.6%	0.45	5.0%	BRE Compliant	Imperceptible
1i_Balc	84.9%	37.8%	0.45	5.0%	BRE Compliant	Imperceptible
1j_Balc	85.1%	37.6%	0.44	5.0%	BRE Compliant	Imperceptible
1k_Balc	85.2%	37.2%	0.44	5.0%	BRE Compliant	Imperceptible
1l_Balc	85.4%	36.3%	0.42	5.0%	BRE Compliant	Imperceptible
1m_Balc	85.6%	35.5%	0.41	5.0%	BRE Compliant	Imperceptible
2nd Floor						
2e_Balc	87.5%	48.2%	0.55	5.0%	BRE Compliant	Imperceptible
2h_Balc	86.6%	39.3%	0.45	5.0%	BRE Compliant	Imperceptible
2i_Balc	87.8%	39.7%	0.45	5.0%	BRE Compliant	Imperceptible
2j_Balc	88.1%	39.6%	0.45	5.0%	BRE Compliant	Imperceptible
2k_Balc	88.3%	39.3%	0.45	5.0%	BRE Compliant	Imperceptible
2l_Balc	88.5%	38.6%	0.44	5.0%	BRE Compliant	Imperceptible
2m_Balc	88.7%	38.0%	0.43	5.0%	BRE Compliant	Imperceptible
3rd Floor						
3e_Balc	90.2%	49.3%	0.55	5.0%	BRE Compliant	Imperceptible
4th Floor						
4e_Balc	91.7%	51.8%	0.56	5.0%	BRE Compliant	Imperceptible

* The BRE Guidelines state that in order for a proposed development to have a noticeable effect on the APSH of an existing window, the value needs to drop below the stated target value of 25% (annual) / 5% (winter) **and** be less than 0.8 times the baseline value **and** it has to have a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

*** An additional impact assessment has been carried out on the windows which are located under balconies in block B1 of the granted scheme to the north of the proposed development (ABP-303306-18) with the balconies removed. This additional study is to demonstrate how balconies can contribute towards perceived high levels of impact. The results of this additional study will not be counted when expressing compliance rates in the impact assessment.

Figure 6.53: Top - Highlighted areas indicate the position of assessed windows., Right - Aerial view of assessed location

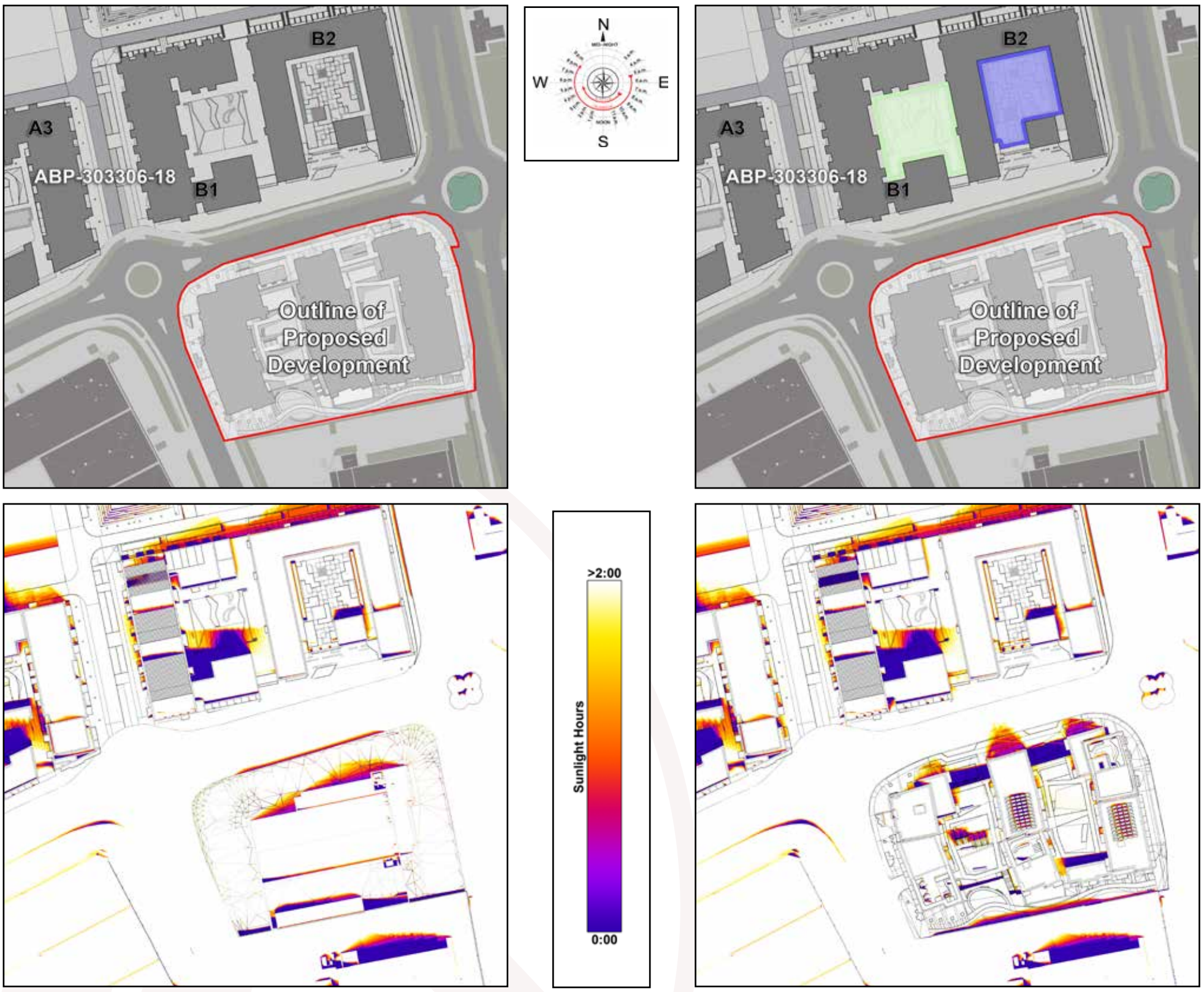
6.5 Effect on Sun On Ground in Existing Gardens

6.5.1 Granted SHD: ABP-303306-18, Courtyard B1 & B2

Table No. 6.54: SOG Results Sunlighting Results Granted SHD: ABP-303306-18, Courtyard B1 & B2						
Address	% of Area to Receive Above 2 Hours Sunlight on March 21st (Target >50%)				Level of Compliance with BRE Guidelines	Effect of Proposed Development**
	Baseline	Proposed	Ratio of Proposed to Baseline	Recommended minimum		
ABP-303306-18 Courtyard B1	60.5%	59.5%	0.98	48.4%	BRE Compliant	Imperceptible
ABP-303306-18 Courtyard B2	88.8%	87.6%	0.99	50.0%	BRE Compliant	Imperceptible

* The BRE guidelines state that in order for a proposed development to have a noticeable effect on the amount of sunlight received in an existing garden or amenity area, the value needs to both drop below the stated target value of 50% **and** be reduced by more than 20% of the existing value.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.



Baseline Figure 6.54: False colour plans. White area indicates the area capable of receiving 2 hours of sunlight on March 21st. **Proposed**

6.5.2 Granted SHD: ABP-303306-18, Balconies B2

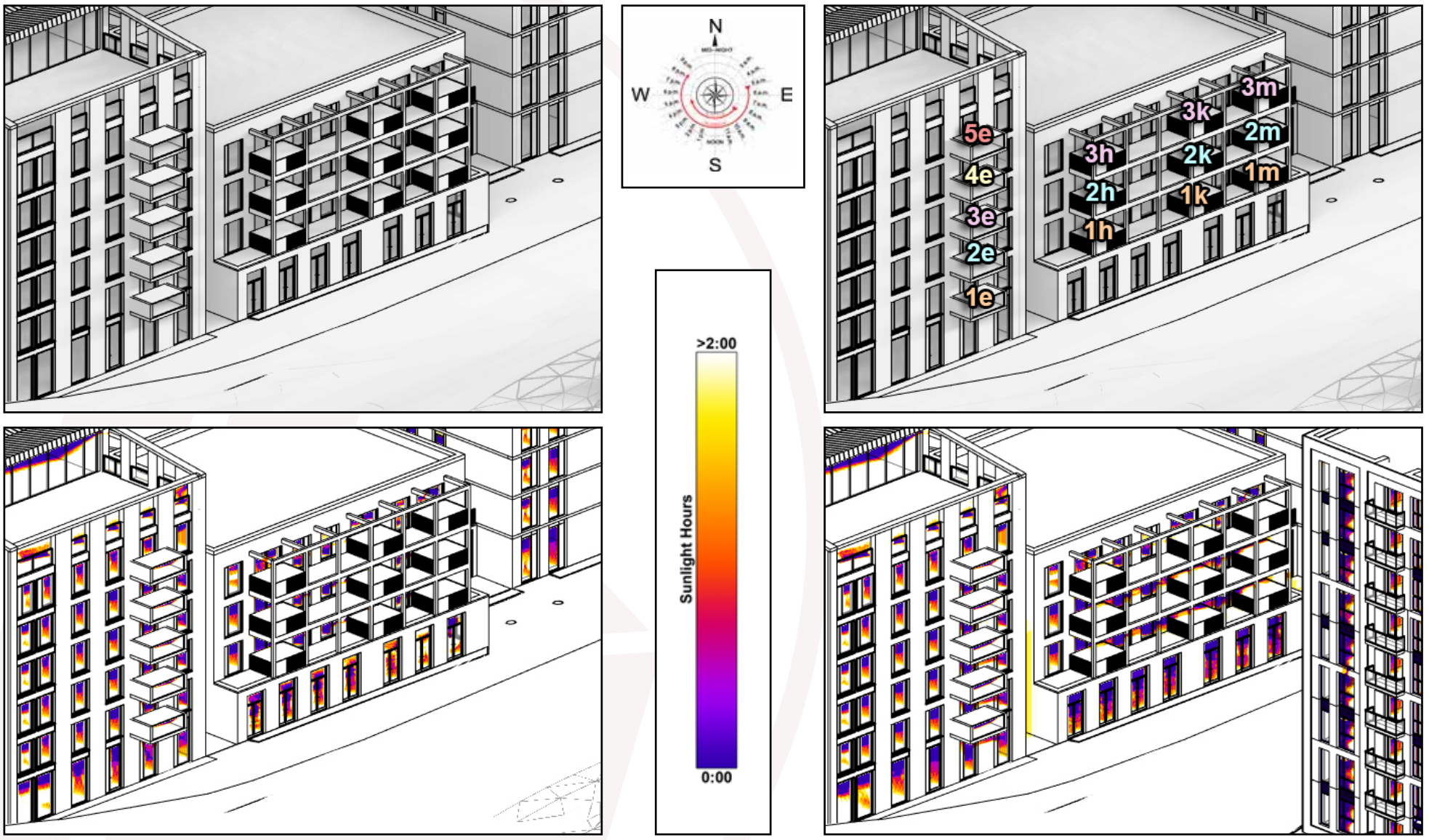
Table No. 6.55: SOG Results Sunlighting Results Granted SHD: ABP-303306-18, Balconies B2

Address	% of Area to Receive Above 2 Hours Sunlight on March 21st (Target >50%)***				Level of Compliance with BRE Guidelines	Effect of Proposed Development**
	Baseline	Proposed	Ratio of Proposed to Baseline	Recommended minimum		
1st Floor						
Balcony 1e	100.0%	100.0%	1.00	50.0%	BRE Compliant	Imperceptible
Balcony 1h	100.0%	90.9%	0.91	50.0%	BRE Compliant	Imperceptible
Balcony 1k	99.9%	65.9%	0.66	50.0%	BRE Compliant	Imperceptible
Balcony 1m	100.0%	77.4%	0.77	50.0%	BRE Compliant	Imperceptible
2nd Floor						
Balcony 2e	100.0%	100.0%	1.00	50.0%	BRE Compliant	Imperceptible
Balcony 2h	100.0%	95.0%	0.95	50.0%	BRE Compliant	Imperceptible
Balcony 2k	99.9%	83.4%	0.84	50.0%	BRE Compliant	Imperceptible
Balcony 2m	100.0%	81.6%	0.82	50.0%	BRE Compliant	Imperceptible
3rd Floor						
Balcony 3e	100.0%	100.0%	1.00	50.0%	BRE Compliant	Imperceptible
Balcony 3h	100.0%	95.6%	0.96	50.0%	BRE Compliant	Imperceptible
Balcony 3k	99.9%	90.5%	0.91	50.0%	BRE Compliant	Imperceptible
Balcony 3m	100.0%	92.8%	0.93	50.0%	BRE Compliant	Imperceptible
4th Floor						
Balcony 4e	100.0%	100.0%	1.00	50.0%	BRE Compliant	Imperceptible
5th Floor						
Balcony 5e	100.0%	100.0%	1.00	50.0%	BRE Compliant	Imperceptible

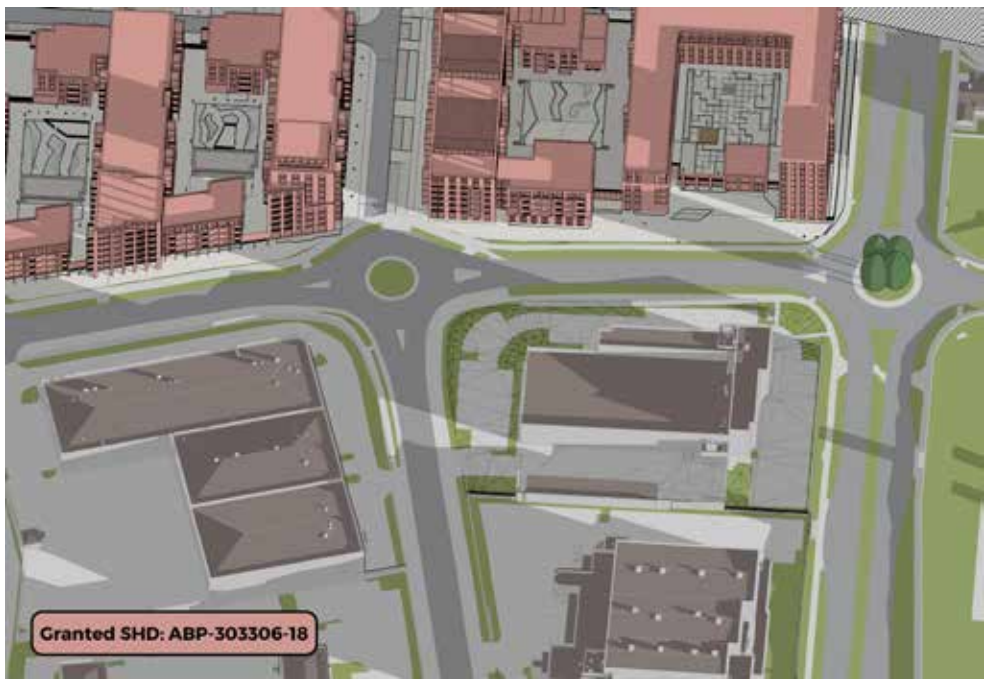
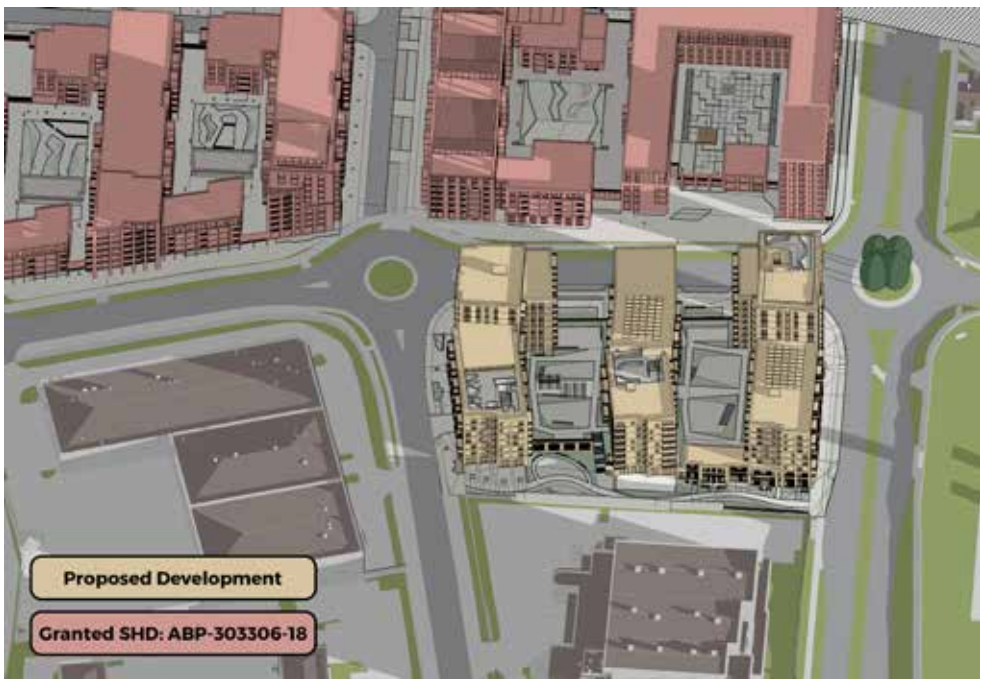
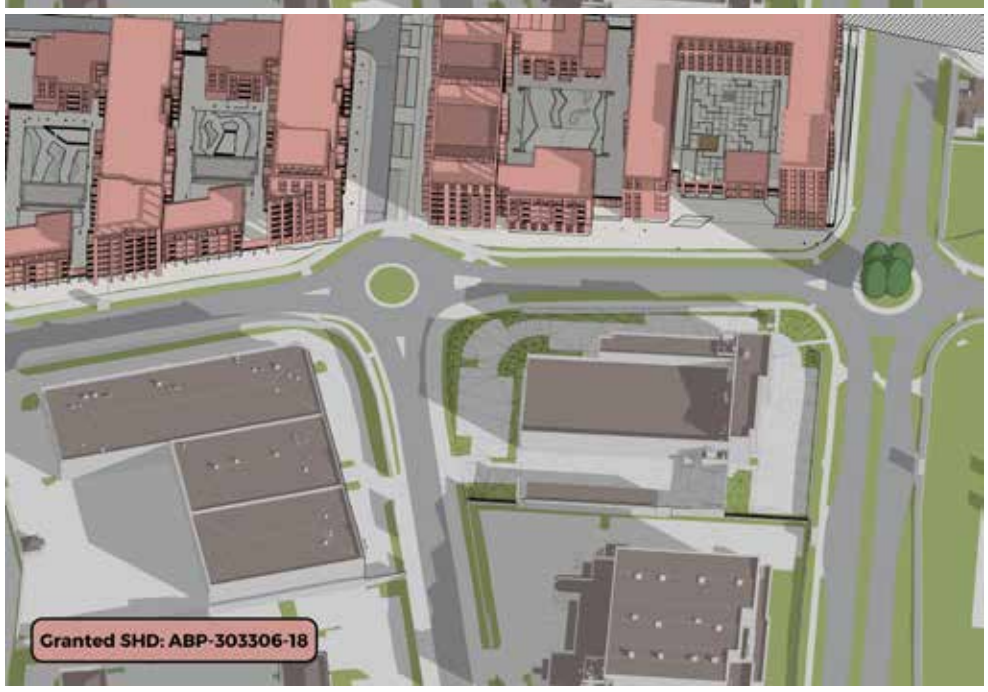
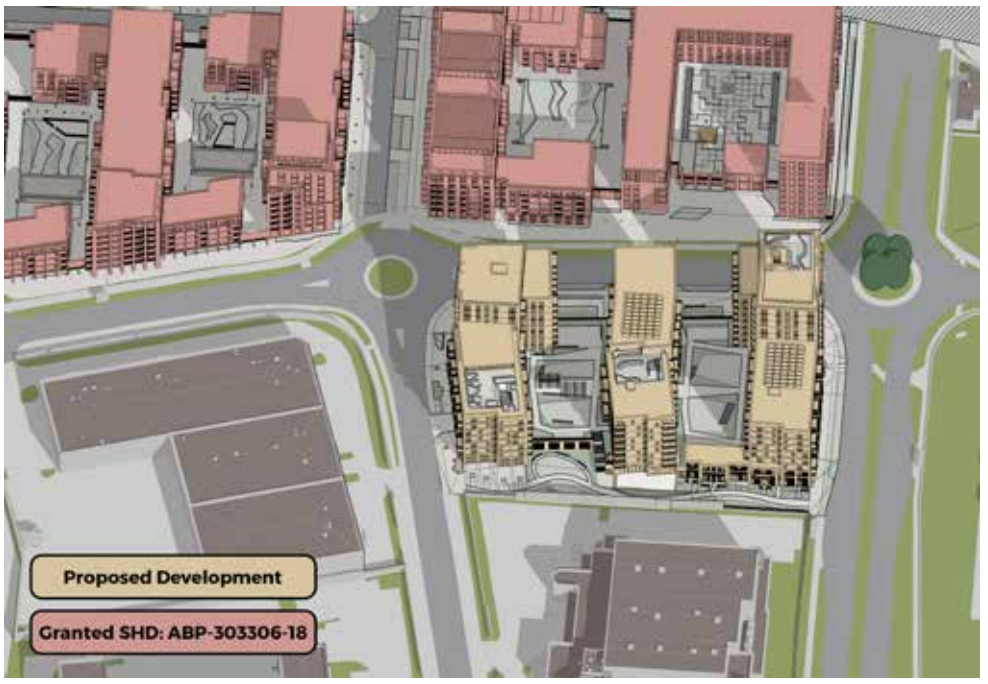
* The BRE guidelines state that in order for a proposed development to have a noticeable effect on the amount of sunlight received in an existing garden or amenity area, the value needs to both drop below the stated target value of 50% **and** be reduced by more than 20% of the existing value.

** For the interpretation of level of effects please refer to "2.2 Definition of Effects" on page 6.

*** The assessment plane for the balcony study has been taken at handrail level.



Baseline Figure 6.55: False colour plans. White area indicates the area capable of receiving 2 hours of sunlight on March 21st. **Proposed**

	Baseline	Proposed
March 21st 7:00		
March 21st 8:00		
March 21st 9:00		
March 21st 10:00		

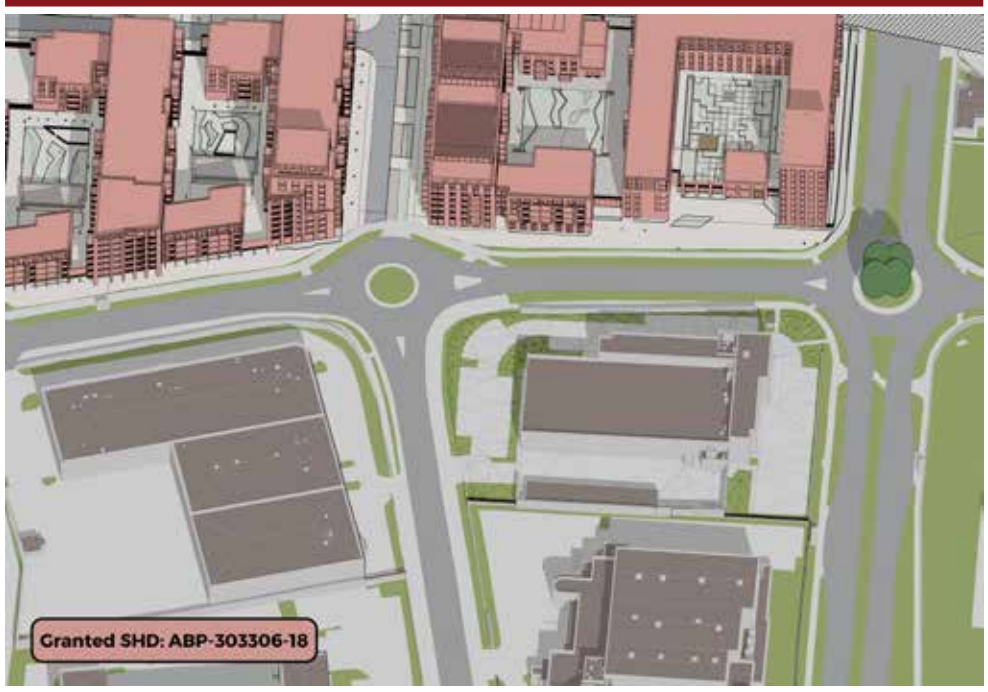
6.6 **6.6.1**	**Shadow Studies** **Shadow Study 21 March**	**Project:** The Arboury	3D DESIGN BUREAU
	March 21st **Sunrise 6:25 | Sunset 18:40**	**Applicant:** Landmarque Belgard Development Company Limited	

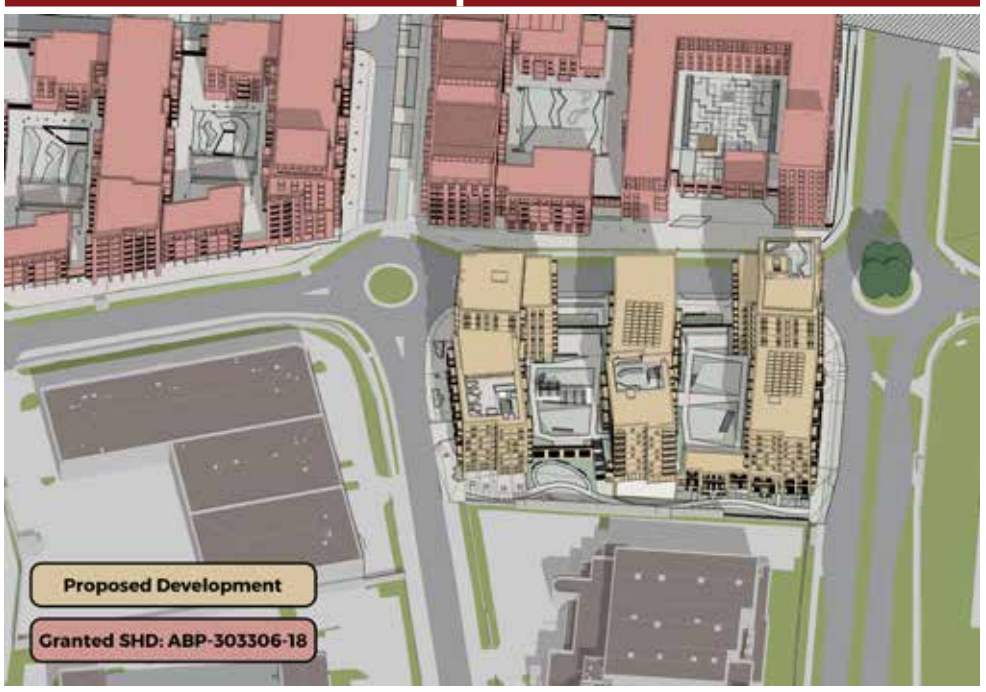
N

Baseline

Proposed

March 21st 11:00





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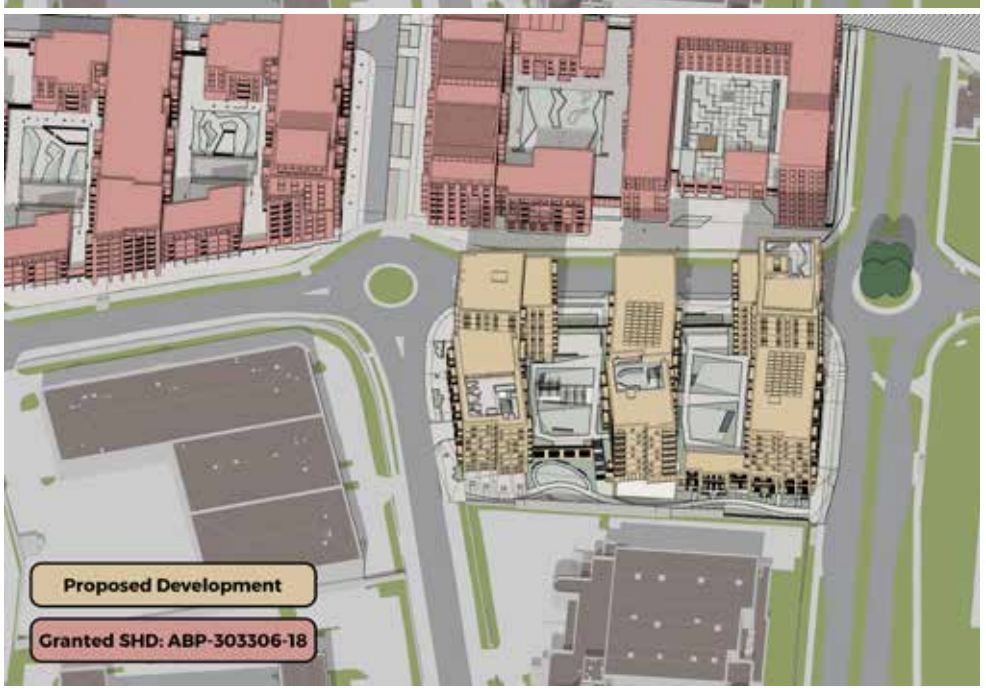
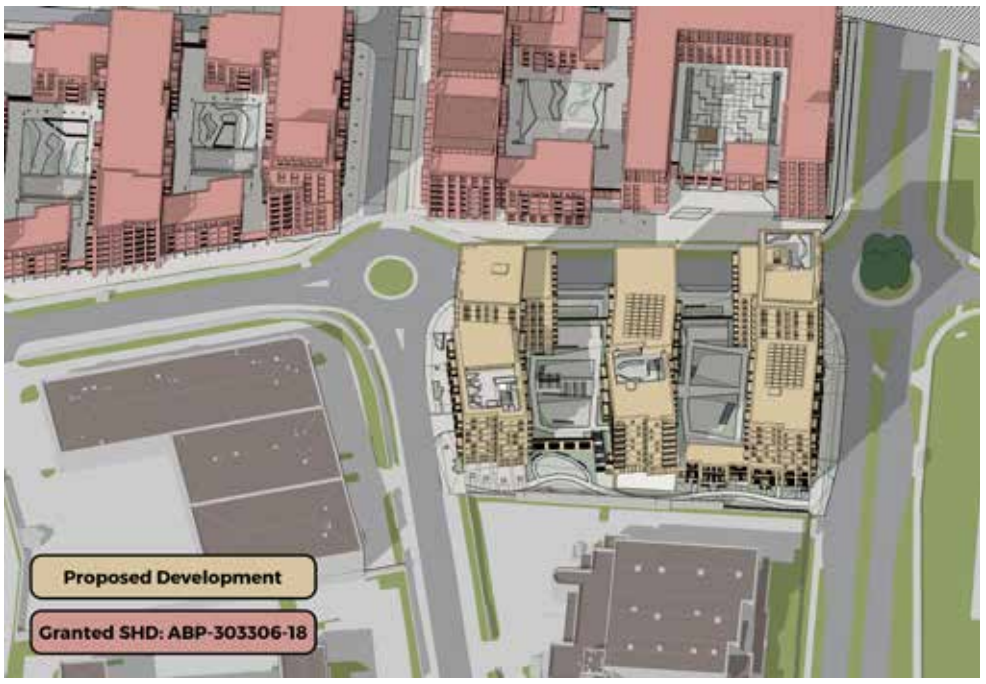


March 21st 13:00

March 21st 14:00



Project: The Arboury

3D DESIGN BUREAU

March 21st
Sunrise 6:25 | Sunset 18:40

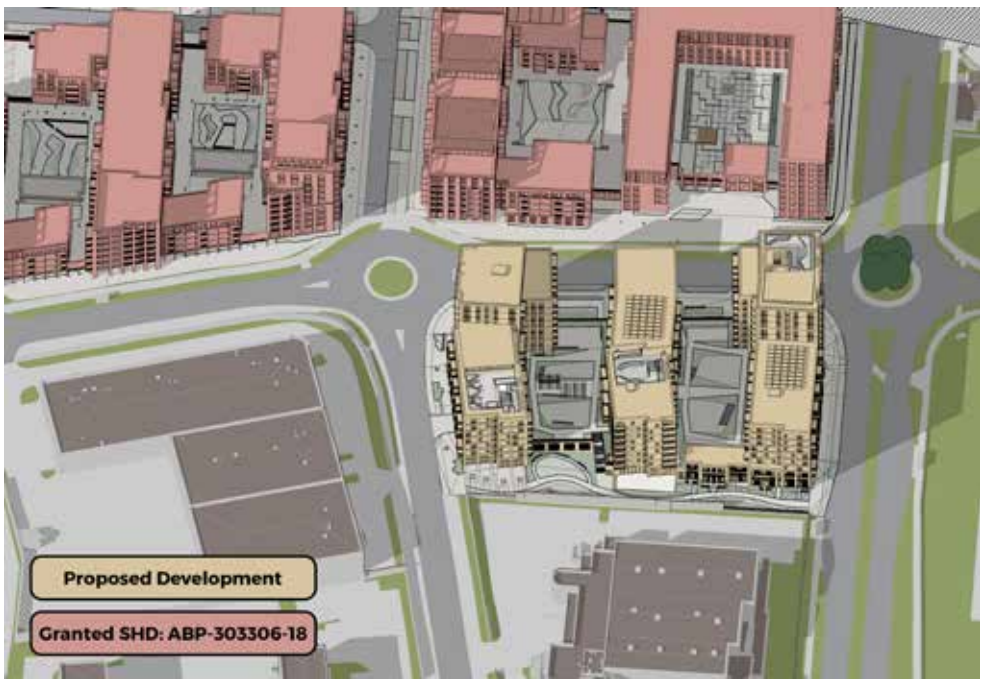
Applicant:
Landmarque Belgard Development Company Limited

N

Baseline

Proposed

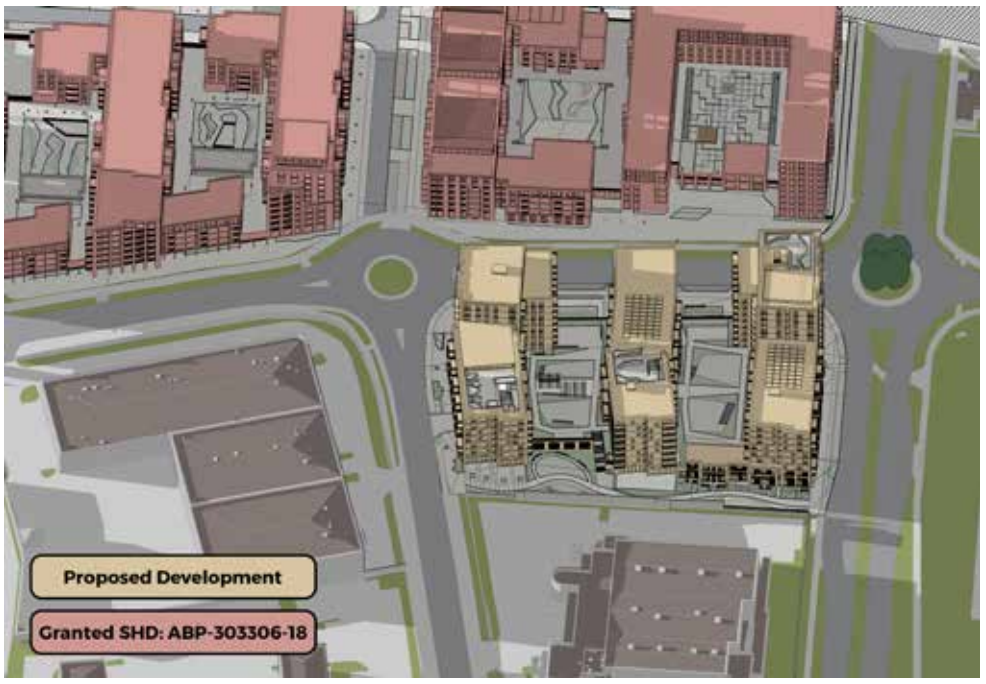
March 21st 15:00



March 21st 16:00

March 21st 17:00

March 21st 18:00

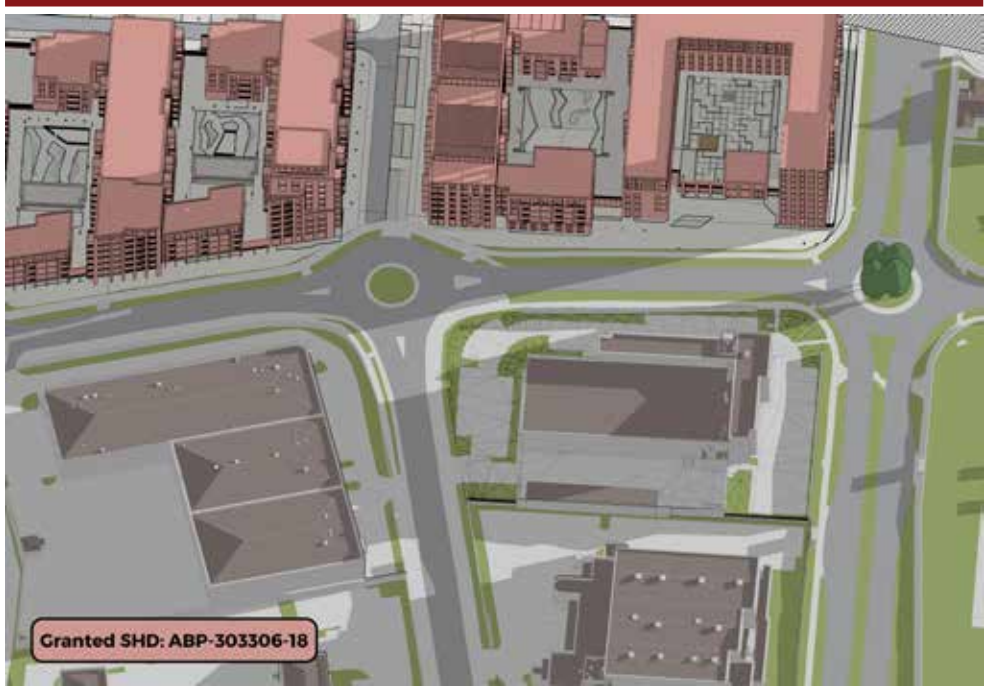
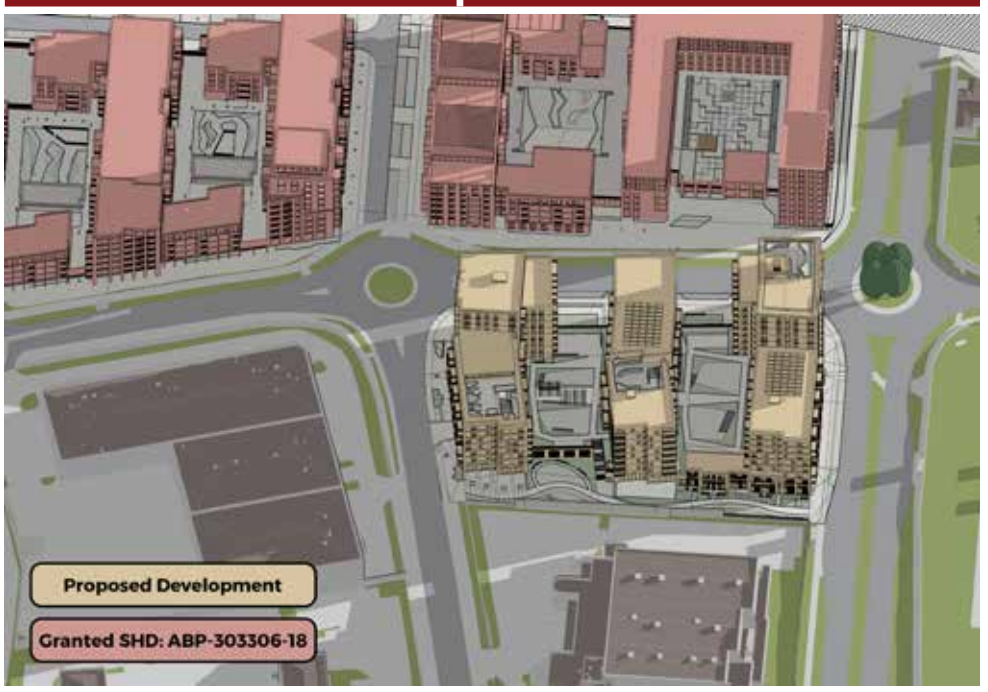
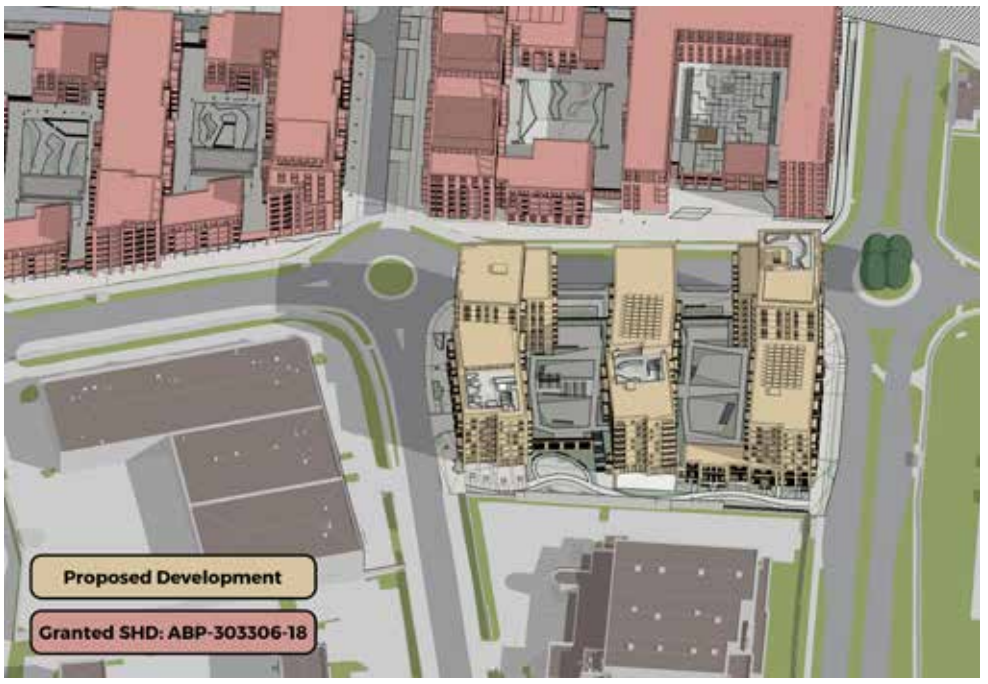


Project: The Arboury

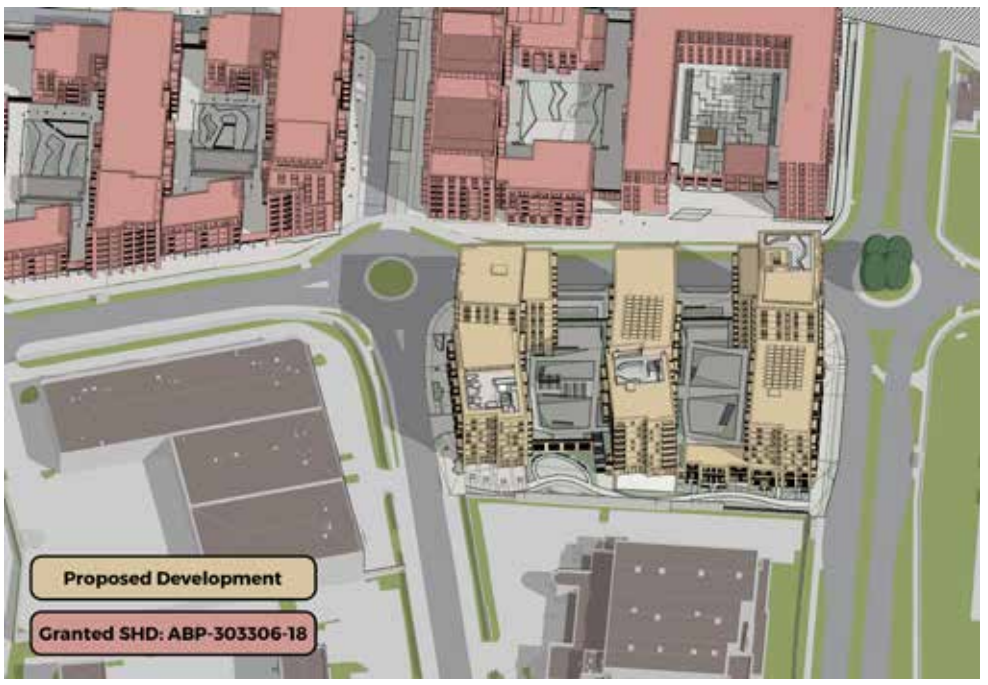
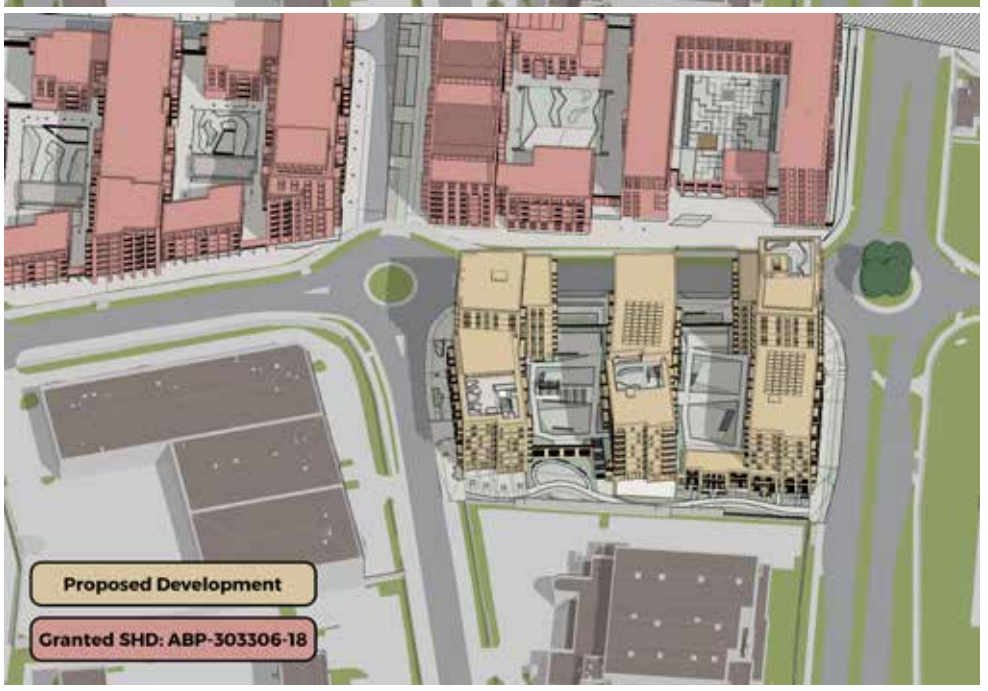
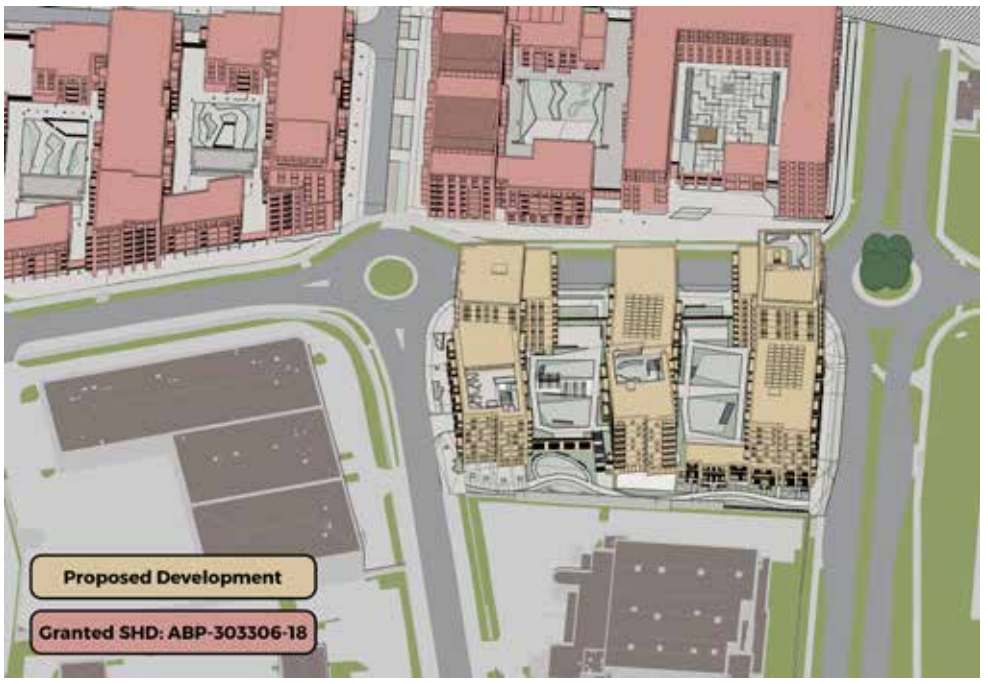
3D DESIGN BUREAU

March 21st
Sunrise 6:25 | Sunset 18:40

Applicant:
Landmarque Belgard Development Company Limited

	Baseline	Proposed
June 21st 6:00		
June 21st 7:00		
June 21st 8:00		
June 21st 9:00		

6.6.2 Shadow Study 21 June	**Project:** The Arboury	3D DESIGN BUREAU
June 21st **Sunrise 4:57 | Sunset 21:57**	**Applicant:** Landmarque Belgard Development Company Limited	

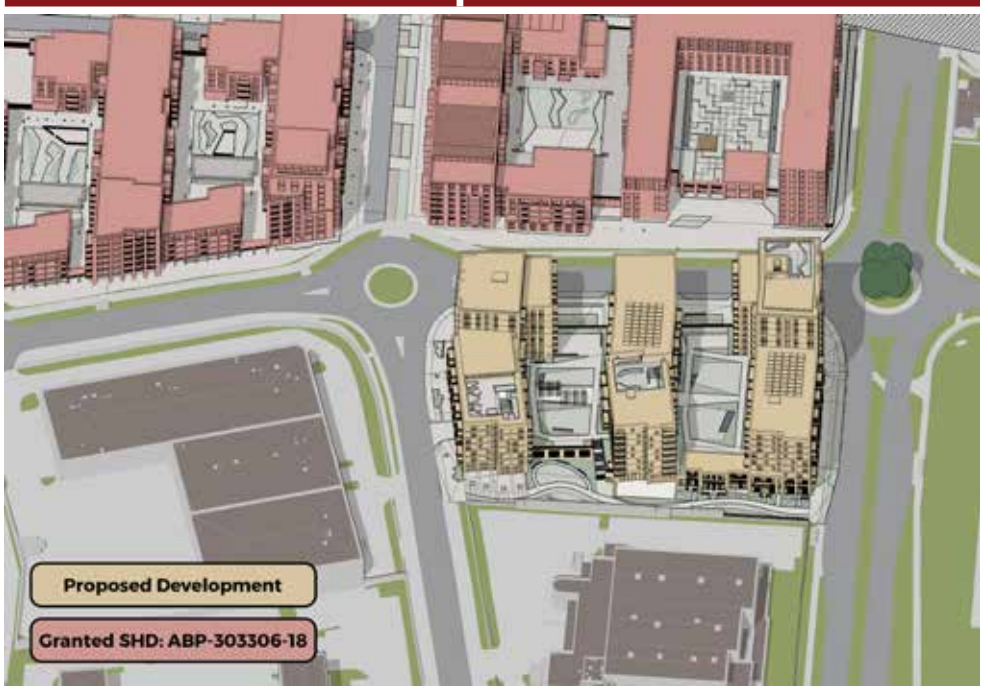
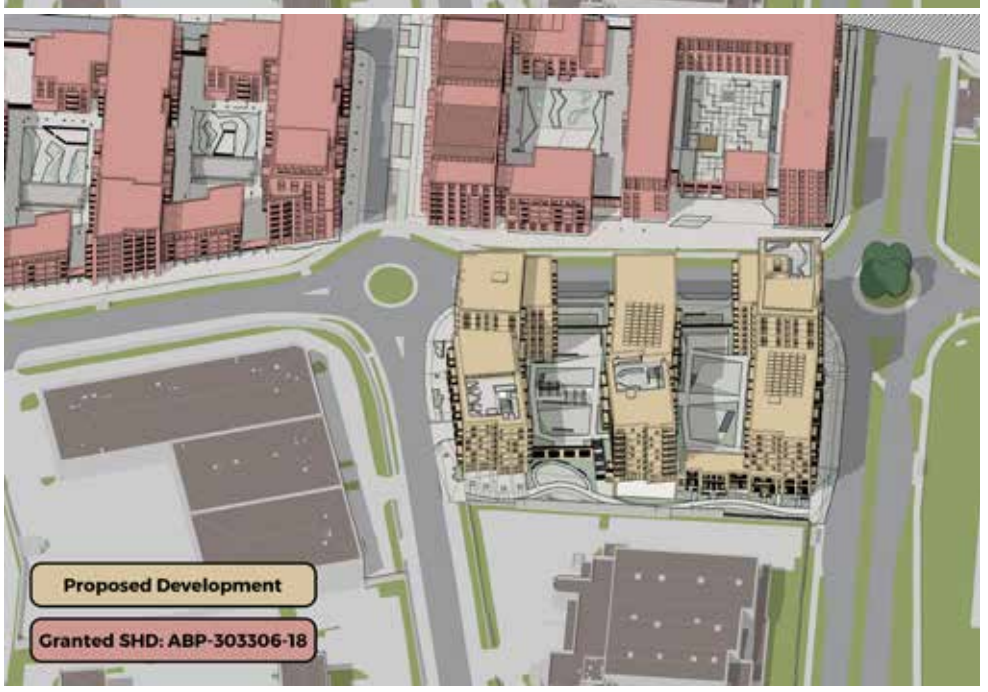
	Baseline	Proposed
June 21st 10:00		
June 21st 11:00		
June 21st 12:00		
June 21st 13:00		

Project: The Arboury

3D DESIGN BUREAU

June 21st
Sunrise 4:57 | Sunset 21:57

Applicant:
Landmarque Belgard Development Company Limited

	Baseline	Proposed
June 21st 14:00		
June 21st 15:00		
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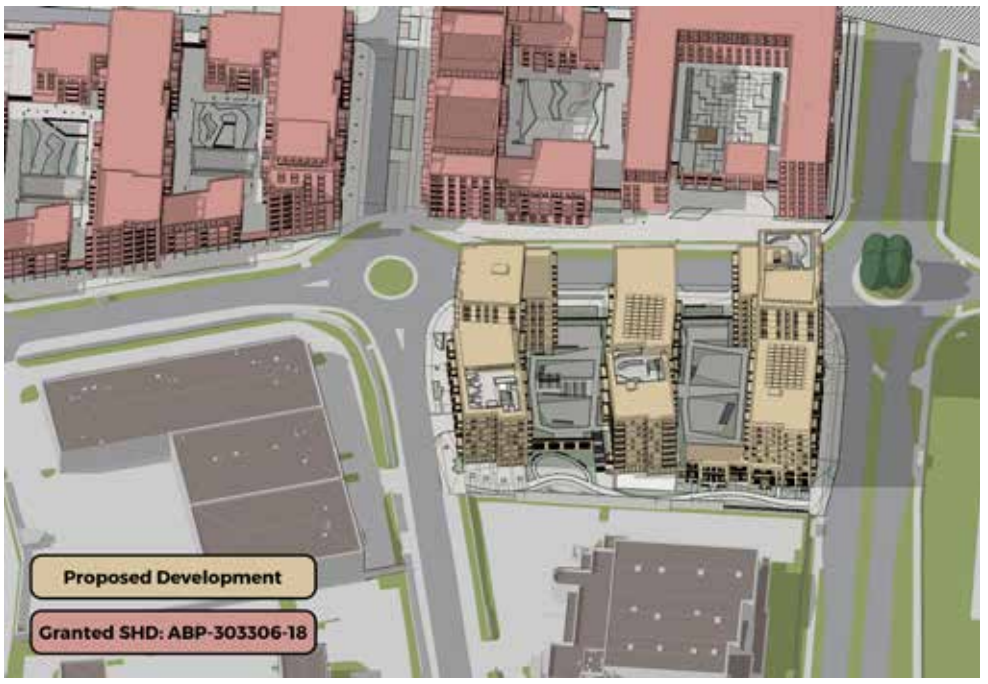
June 21st 17:00		

Project: The Arboury

3D DESIGN BUREAU

June 21st
Sunrise 4:57 | Sunset 21:57

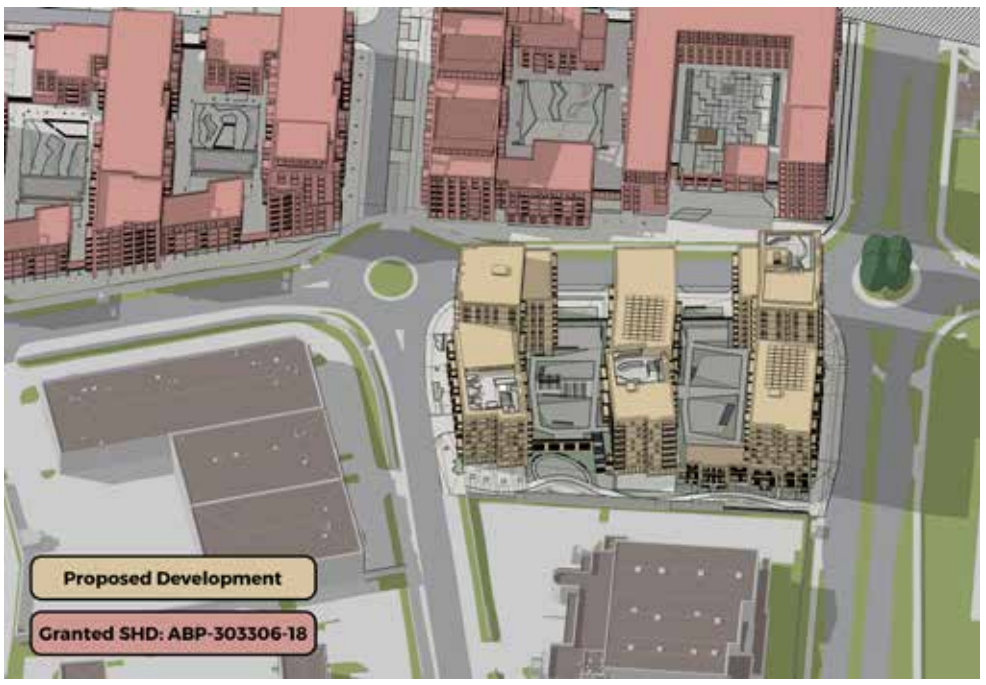
Applicant:
Landmarque Belgard Development Company Limited

N

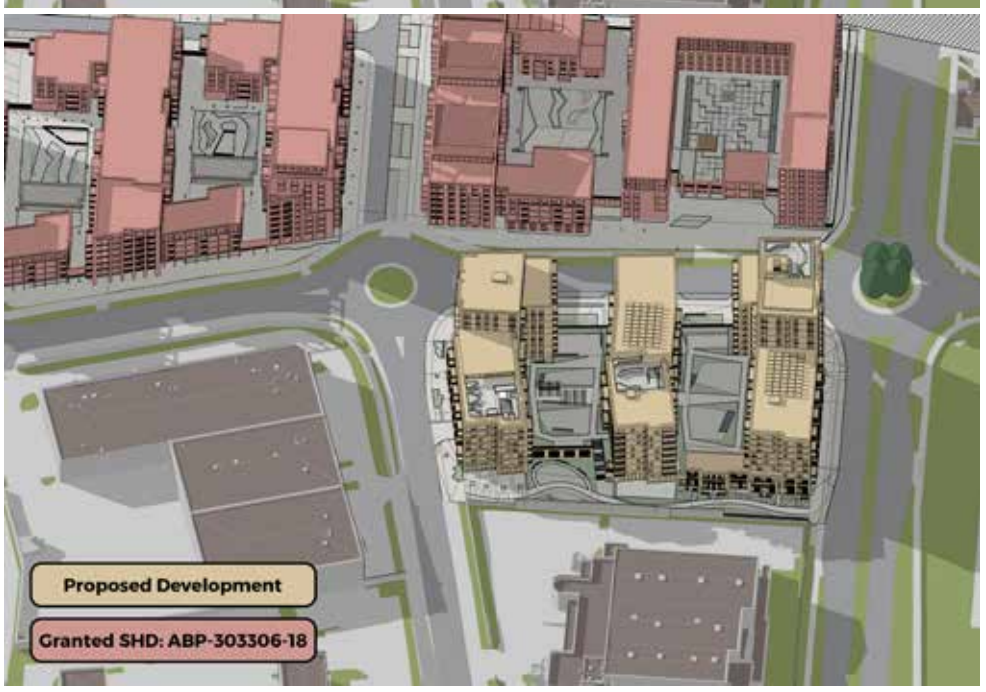
Baseline

Proposed

June 21st 18:00

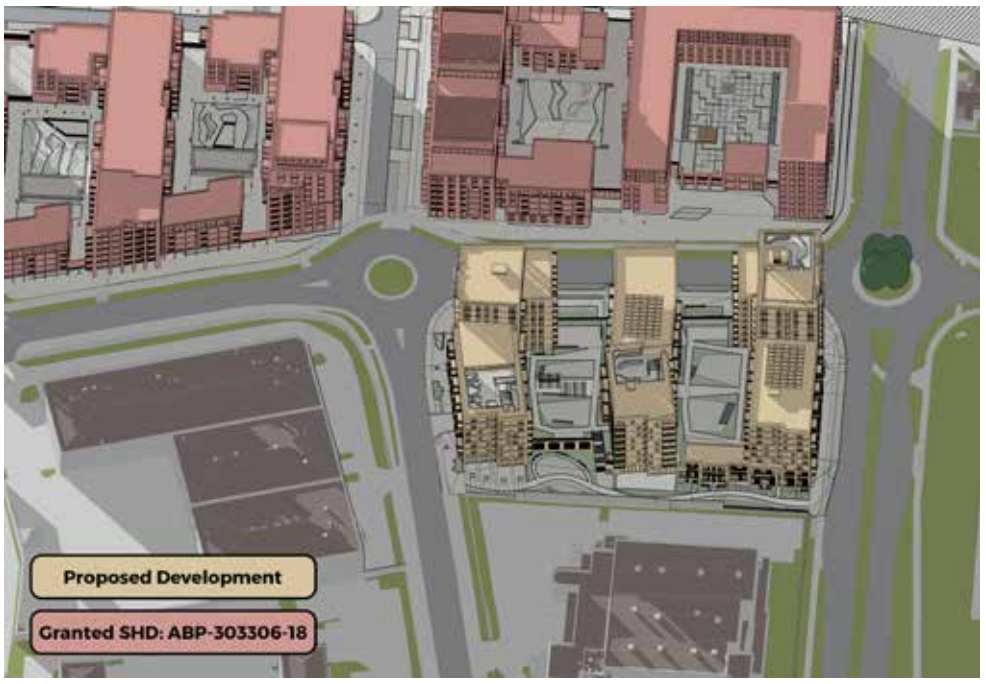


June 21st 19:00



June 21st 20:00

June 21st 21:00

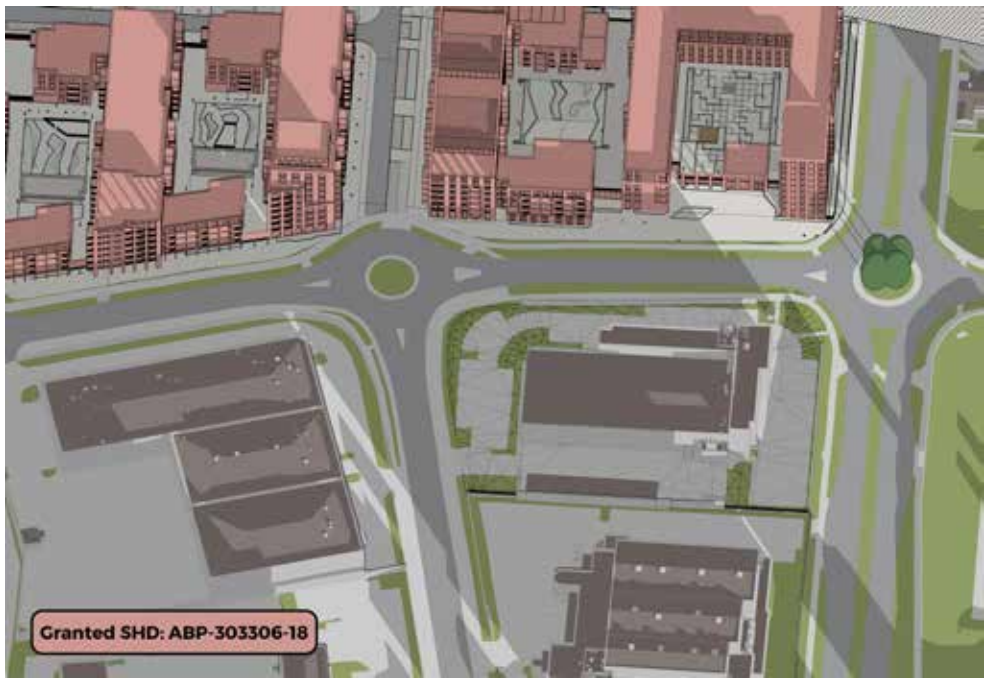
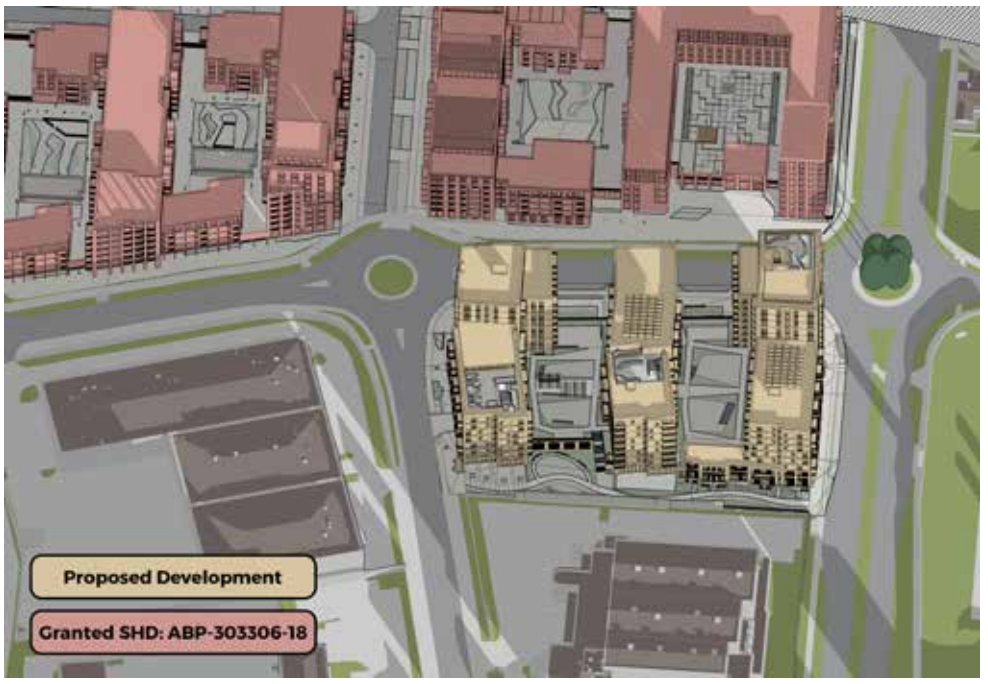
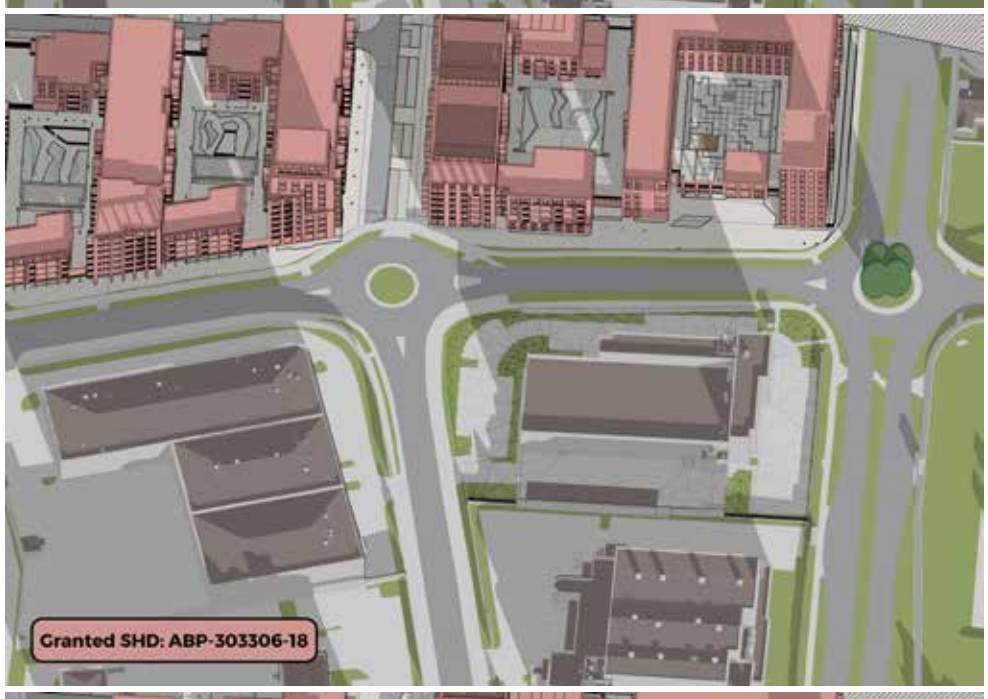
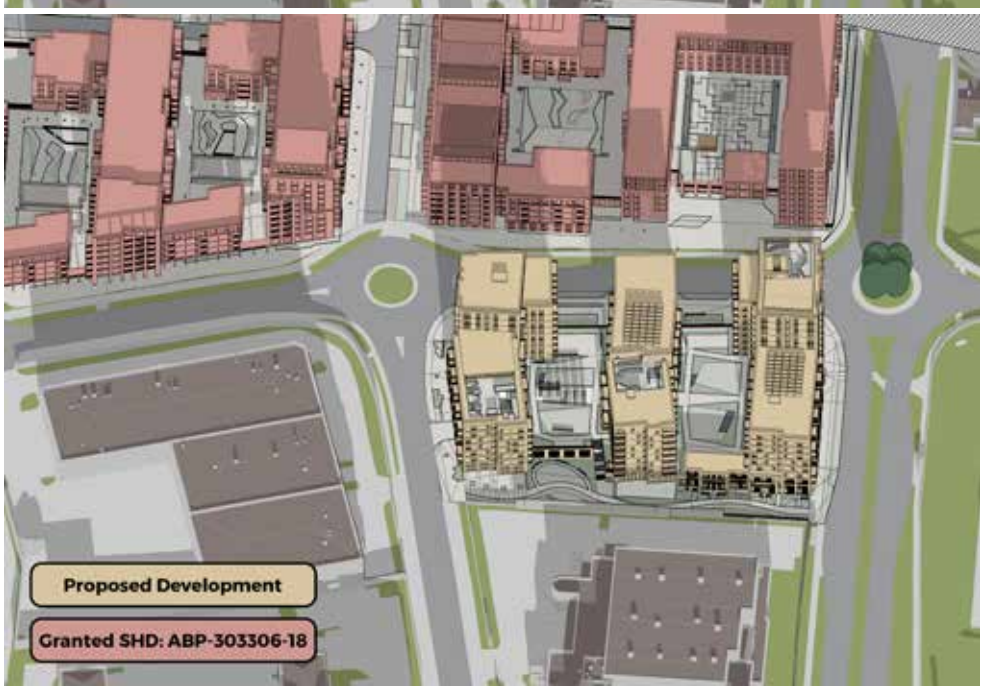
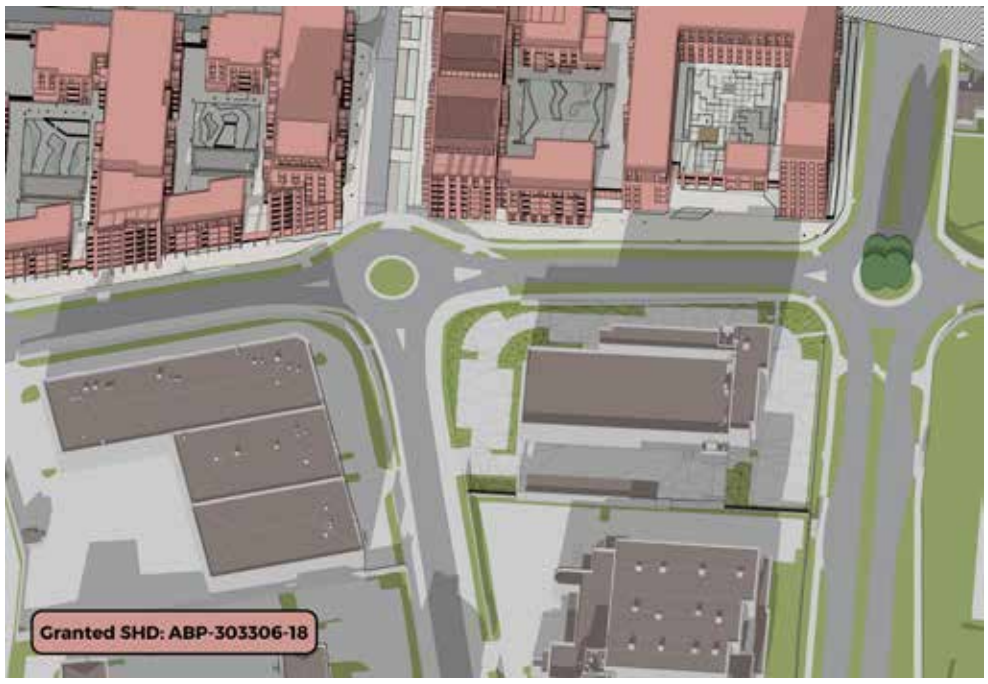
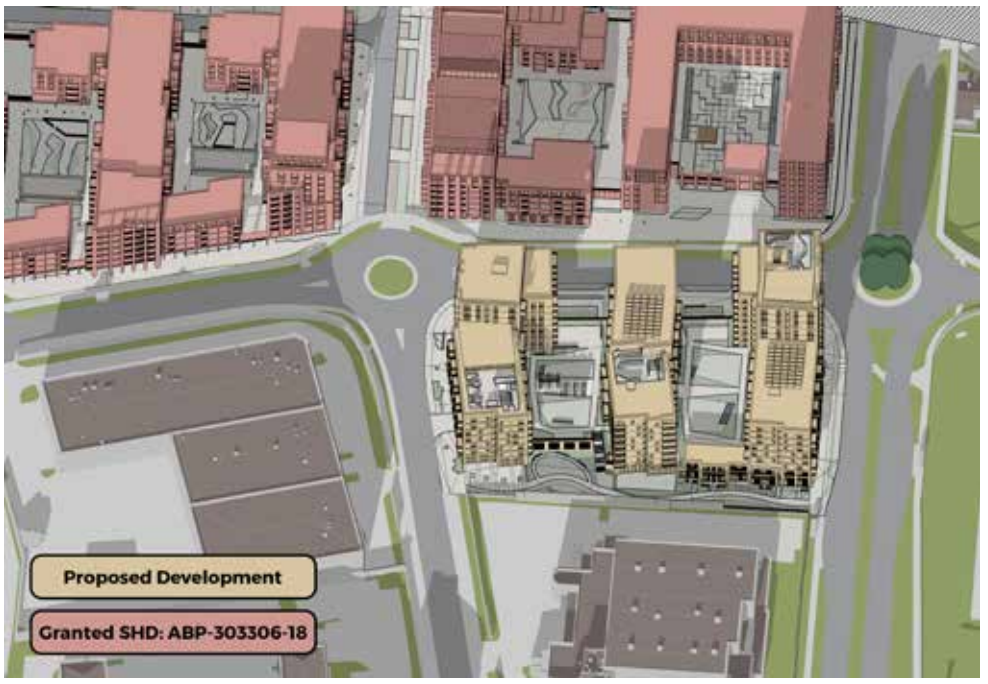


Project: The Arboury

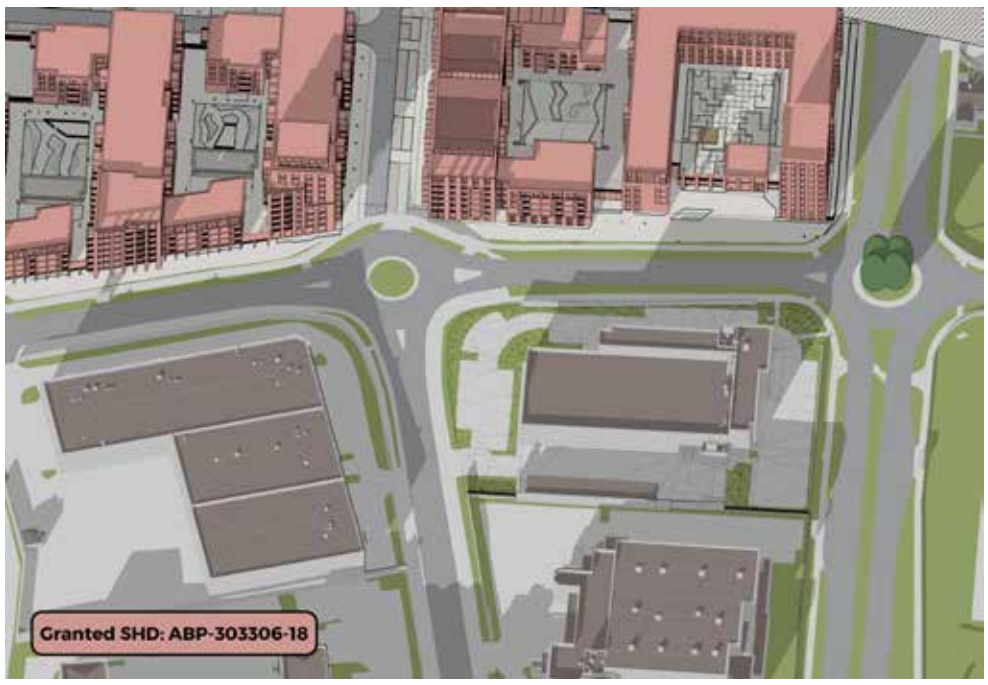
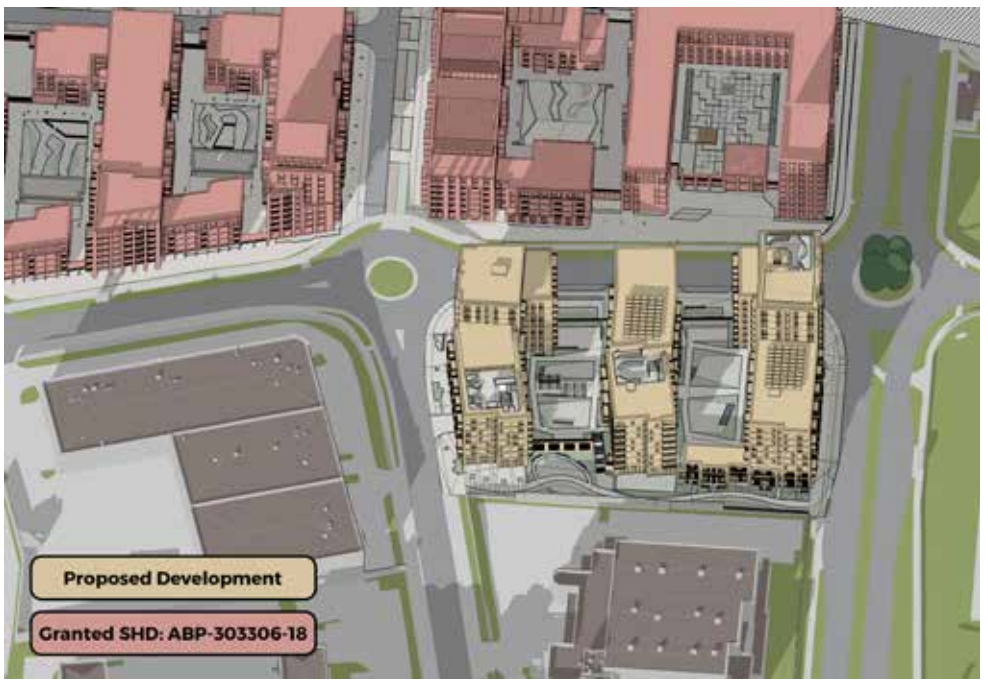
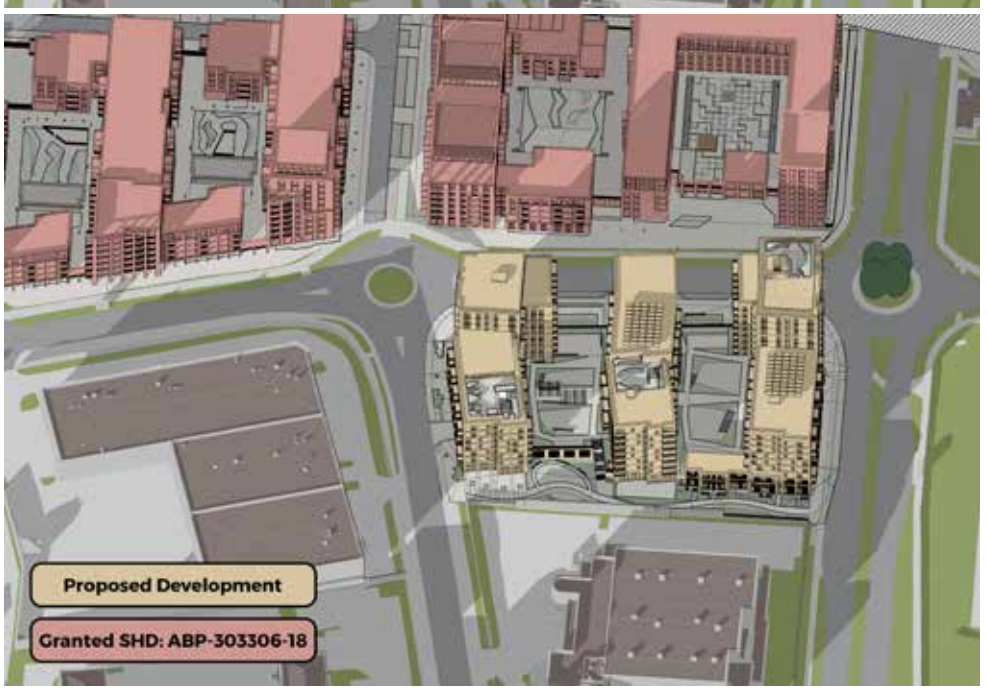
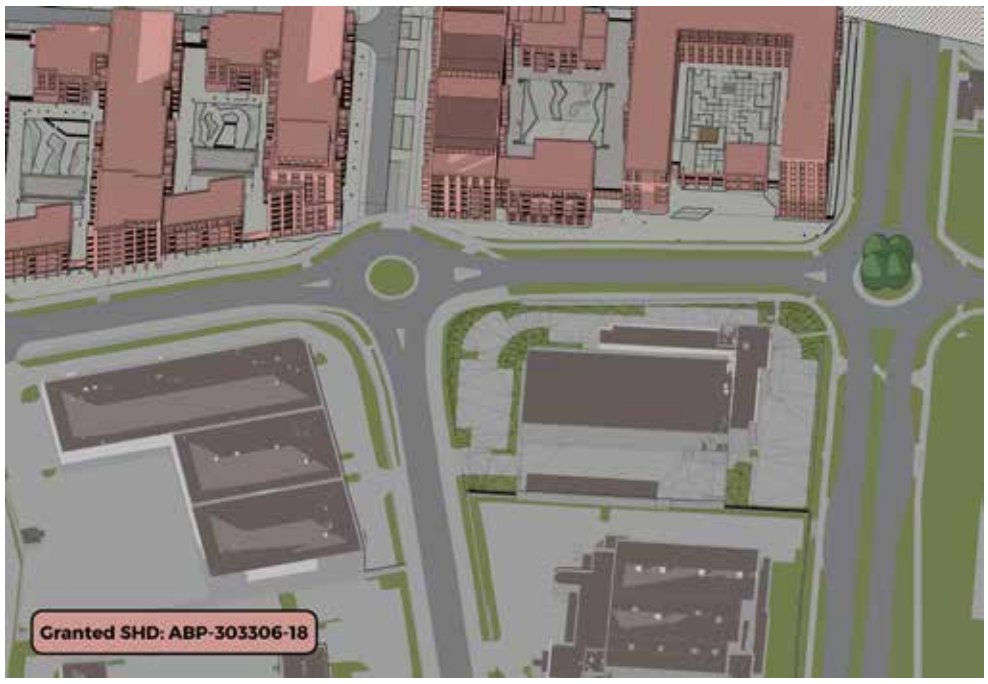
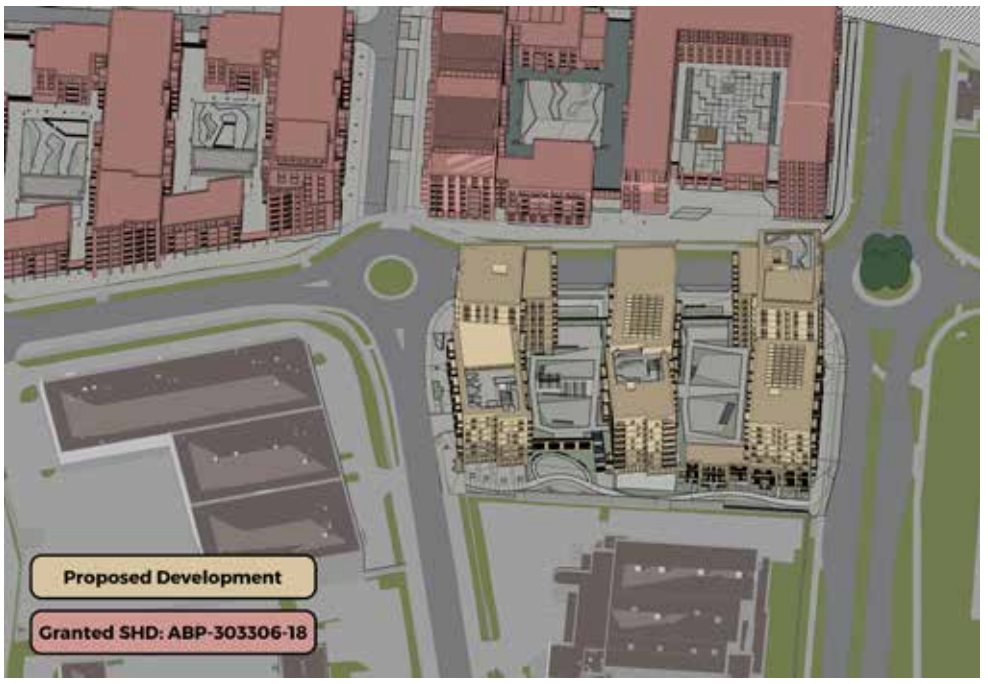
3D DESIGN BUREAU

June 21st
Sunrise 4:57 | Sunset 21:57

Applicant:
Landmarque Belgard Development Company Limited

	Baseline	Proposed
December 21st 9:00		
December 21st 10:00		
December 21st 11:00		
December 21st 12:00		

6.6.3	**Shadow Study 21 December**	**Project:** The Arboury	3D DESIGN BUREAU
	December 21st **Sunrise 8:38 | Sunset 16:08**	**Applicant:** Landmarque Belgard Development Company Limited	

	Baseline	Proposed
December 21st 13:00		
December 21st 14:00		
December 21st 15:00		
December 21st 16:00		

	Project: The Arboury	3D DESIGN BUREAU
December 21st **Sunrise 8:38 | Sunset 16:08**	**Applicant:** Landmarque Belgard Development Company Limited	

7.0 Scheme Performance Results

7.1 Sun On Ground in Proposed Outdoor Amenity Areas

Table No. 7.1: SOG in Proposed Outdoor Amenity Areas Results			
Assessed Area	Area Capable of Receiving 2 Hours of Sunlight on March 21st	Recommended minimum	Level of Compliance with BRE Guidelines*
Podium A/B	82.9%	50.0%	BRE Compliant
Podium B/C	90.6%	50.0%	BRE Compliant
Roof Garden Block A	92.2%	50.0%	BRE Compliant
Roof Garden Block B	94.5%	50.0%	BRE Compliant
Roof Garden Block C	92.7%	50.0%	BRE Compliant
Creche Play Area	100.0%	50.0%	BRE Compliant
Public Amenity	73.1%	50.0%	BRE Compliant

* The BRE Guidelines recommend that for a garden or amenity 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 March 21st.

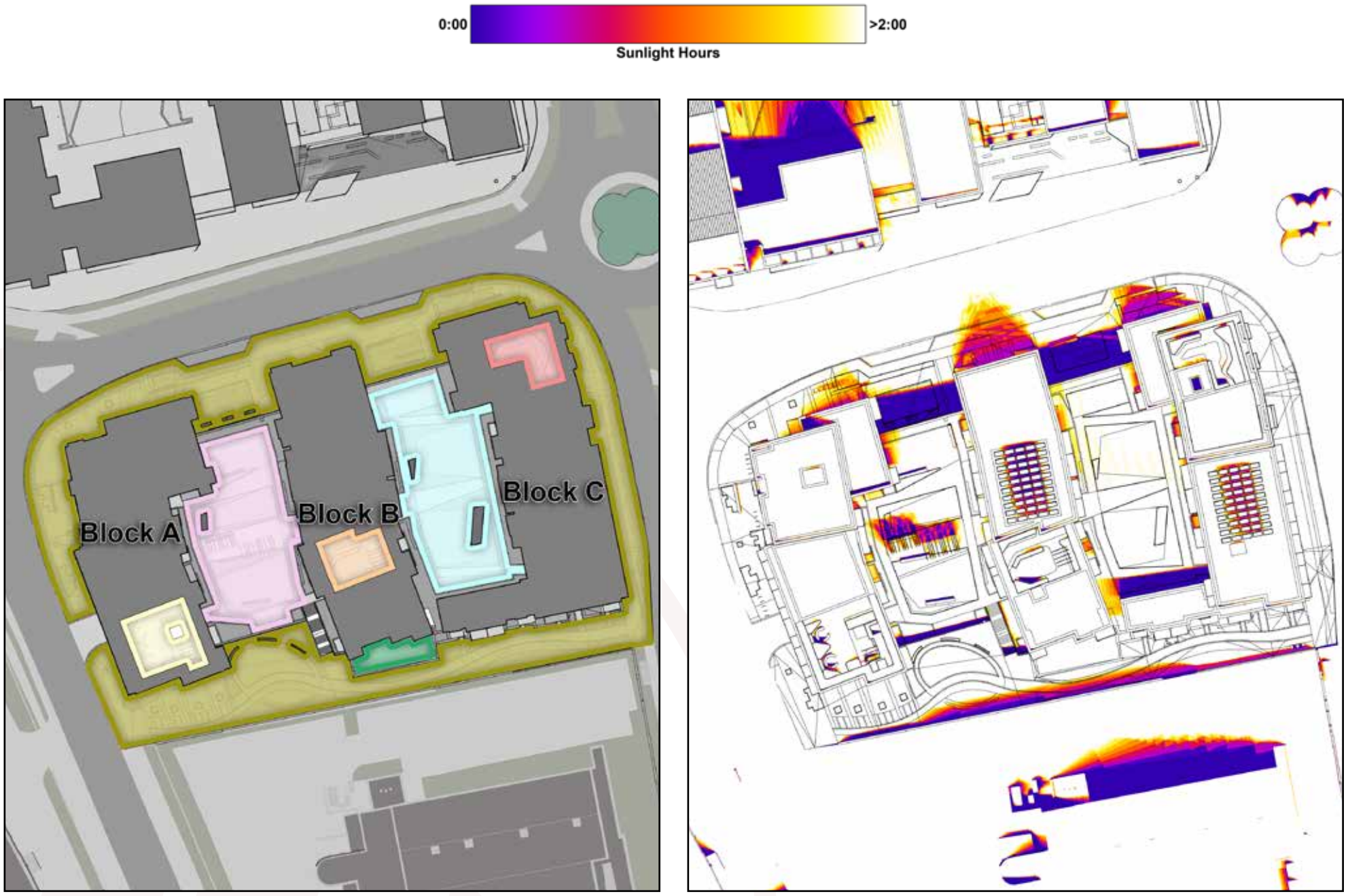


Figure 7.1: Left - Indication of the amenity areas that have been analysed, Right - Area capable of receiving 2 hours of sunlight on March 21st shown in white (R).

7.2 Average Daylight Factor

7.2.1 Communal Amenity Areas

Table No. 7.2: ADF Results: Communal Amenity Areas - Level 00	
Room Description	Predicted ADF Value
Communal**	5.67%
Creche**	6.62%
Lounge**	12.23%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

**An ADF assessment has been carried out on shared amenity spaces, but these spaces do contribute to the compliance rates.

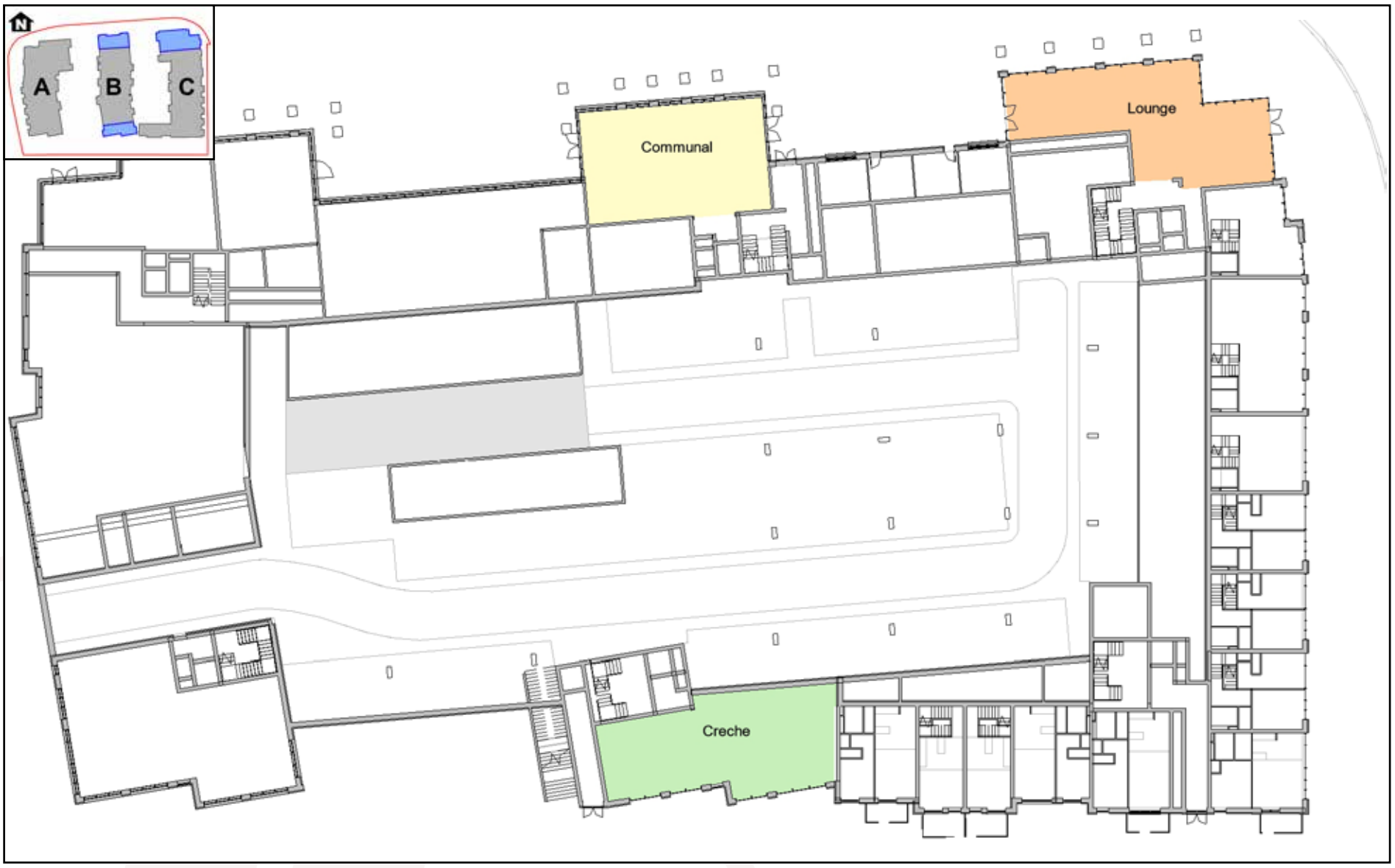


Figure 7.2: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.2 Block A - Level 01

Table No. 7.3: ADF Results: Block A - Level 01		
Unit Number	Room Description	Predicted ADF Value
1101	LKD	3.48%
1101	Living Space^	4.51%
1101	Bedroom	1.25%
1102	LKD	2.12%
1102	Living Space^	2.11%
1102	Bedroom	1.27%
1102	Bedroom	0.85%
1103	LKD	3.33%
1103	Living Space^	3.28%
1103	Bedroom	0.71%
1104	LKD	1.23%
1104	Living Space^	1.99%
1104	Bedroom	1.16%
1105	LKD	1.30%
1105	Living Space^	2.26%
1105	Bedroom	1.08%
1106	LKD	1.60%
1106	Living Space^	2.58%
1106	Bedroom	2.18%
1106	Bedroom	1.72%
1107	LKD	4.40%
1107	Living Space^	4.73%
1107	Bedroom	2.61%
1107	Bedroom	2.33%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.3: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.3 Block A - Level 01

Table No. 7.4: ADF Results: Block A - Level 01		
Unit Number	Room Description	Predicted ADF Value
1108	LKD	6.25%
1108	Living Space^	8.46%
1108	Bedroom	3.52%
1109	LKD	3.24%
1109	Living Space^	4.84%
1109	Bedroom	3.03%
1110	LKD	2.98%
1110	Living Space^	4.46%
1110	Bedroom	3.05%
1111	LKD	3.50%
1111	Living Space^	5.22%
1111	Bedroom	3.45%
1112	LKD	3.03%
1112	Living Space^	4.83%
1112	Bedroom	3.32%
1113	LKD	2.24%
1113	Living Space^	3.17%
1113	Bedroom	1.80%
1114	LKD	2.55%
1114	Living Space^	3.79%
1114	Bedroom	4.97%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.4: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.4 Block A - Level 02

Table No. 7.5: ADF Results: Block A - Level 02		
Unit Number	Room Description	Predicted ADF Value
1201	LKD	2.80%
1201	Living Space^	2.54%
1201	Bedroom	4.00%
1201	Bedroom	1.29%
1202	LKD	5.21%
1202	Living Space^	6.14%
1202	Bedroom	1.25%
1202	Bedroom	1.95%
1203	LKD	3.58%
1203	Living Space^	3.22%
1203	Bedroom	1.94%
1204	LKD	1.80%
1204	Living Space^	2.27%
1204	Bedroom	3.12%
1205	LKD	1.40%
1205	Living Space^	2.21%
1205	Bedroom	1.08%
1206	LKD	1.41%
1206	Living Space^	2.42%
1206	Bedroom	1.12%
1207	LKD	1.79%
1207	Living Space^	2.98%
1207	Bedroom	1.60%
1207	Bedroom	2.62%
1208	LKD	4.62%
1208	Living Space^	4.97%
1208	Bedroom	3.05%
1208	Bedroom	2.74%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.5: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.5 Block A - Level 02

Table No. 7.6: ADF Results: Block A - Level 02		
Unit Number	Room Description	Predicted ADF Value
1209	LKD	6.75%
1209	Living Space^	9.24%
1209	Bedroom	2.66%
1210	LKD	3.66%
1210	Living Space^	5.55%
1210	Bedroom	2.62%
1211	LKD	3.64%
1211	Living Space^	5.51%
1211	Bedroom	2.60%
1212	LKD	3.62%
1212	Living Space^	5.49%
1212	Bedroom	2.60%
1213	LKD	3.44%
1213	Living Space^	5.49%
1213	Bedroom	2.65%
1214	LKD	2.27%
1214	Living Space^	3.18%
1214	Bedroom	3.13%
1215	LKD	2.06%
1215	Living Space^	2.95%
1215	Bedroom	7.14%
1216	LKD	6.70%
1216	Living Space^	7.75%
1216	Bedroom	4.94%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.6: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.6 Block A - Level 03

Table No. 7.7: ADF Results: Block A - Level 03		
Unit Number	Room Description	Predicted ADF Value
1301	LKD	2.78%
1301	Living Space^	2.48%
1301	Bedroom	3.89%
1301	Bedroom	1.33%
1302	LKD	5.14%
1302	Living Space^	6.07%
1302	Bedroom	1.27%
1302	Bedroom	1.95%
1303	LKD	3.75%
1303	Living Space^	3.30%
1303	Bedroom	1.91%
1304	LKD	2.04%
1304	Living Space^	2.63%
1304	Bedroom	3.15%
1305	LKD	1.47%
1305	Living Space^	2.72%
1305	Bedroom	1.38%
1306	LKD	1.60%
1306	Living Space^	2.90%
1306	Bedroom	1.33%
1307	LKD	1.82%
1307	Living Space^	3.03%
1307	Bedroom	1.53%
1307	Bedroom	1.25%
1308	LKD	5.27%
1308	Living Space^	5.68%
1308	Bedroom	1.98%
1308	Bedroom	1.61%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

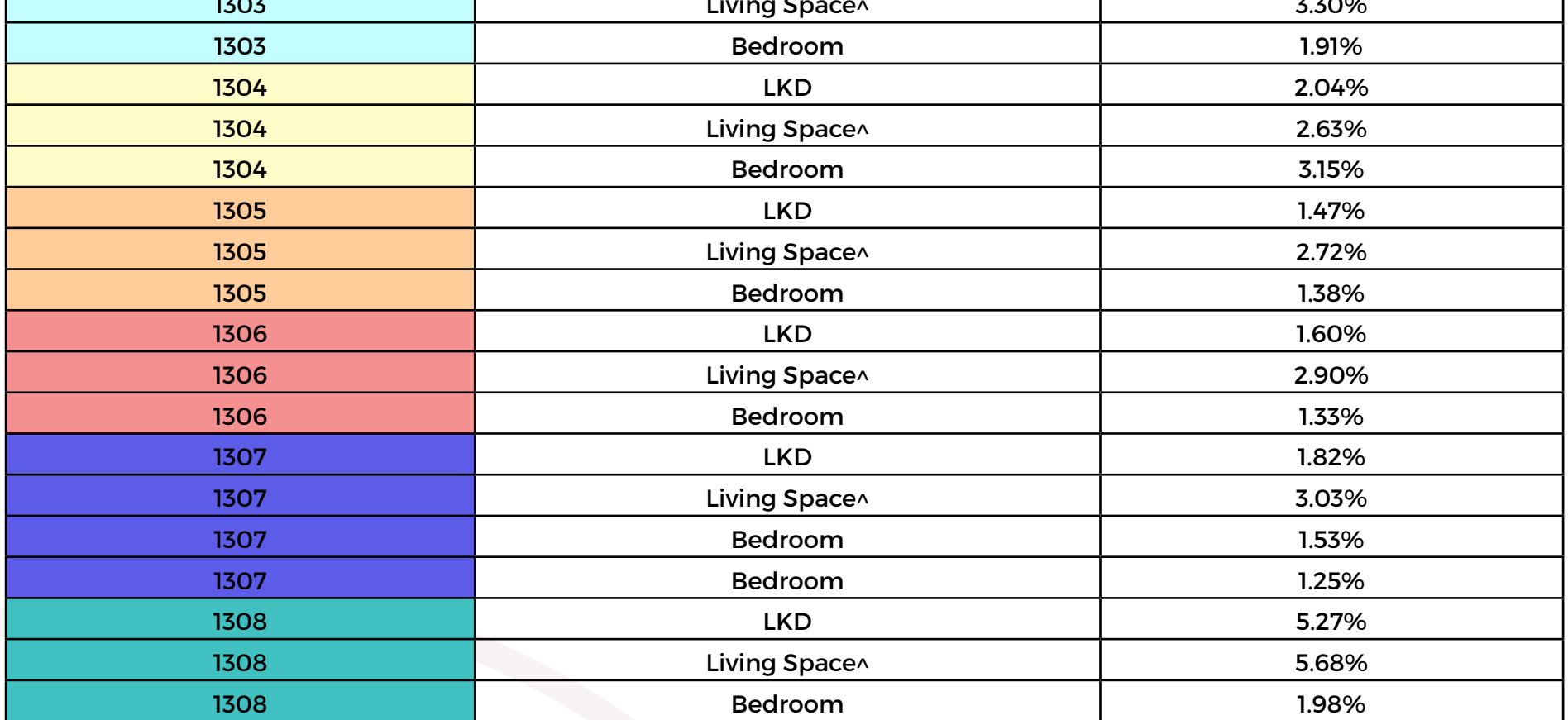


Figure 7.7: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.7 Block A - Level 03

Table No. 7.8: ADF Results: Block A - Level 03		
Unit Number	Room Description	Predicted ADF Value
1309	LKD	2.94%
1309	Living Space^	4.39%
1309	Bedroom	8.23%
1310	LKD	2.90%
1310	Living Space^	4.33%
1310	Bedroom	3.26%
1311	LKD	2.87%
1311	Living Space^	4.30%
1311	Bedroom	3.24%
1312	LKD	2.86%
1312	Living Space^	4.30%
1312	Bedroom	3.23%
1313	LKD	2.86%
1313	Living Space^	4.32%
1313	Bedroom	3.07%
1314	LKD	2.21%
1314	Living Space^	3.06%
1314	Bedroom	3.34%
1315	LKD	2.08%
1315	Living Space^	2.98%
1315	Bedroom	7.29%
1316	LKD	7.20%
1316	Living Space^	8.29%
1316	Bedroom	5.12%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.8: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.8 Block A - Level 04

Table No. 7.9: ADF Results: Block A - Level 04		
Unit Number	Room Description	Predicted ADF Value
1401	LKD	2.58%
1401	Living Space^	2.48%
1401	Bedroom	4.09%
1401	Bedroom	1.40%
1402	LKD	5.45%
1402	Living Space^	6.07%
1402	Bedroom	1.30%
1402	Bedroom	1.95%
1403	LKD	4.07%
1403	Living Space^	3.56%
1403	Bedroom	2.21%
1404	LKD	2.32%
1404	Living Space^	3.03%
1404	Bedroom	3.50%
1405	LKD	1.71%
1405	Living Space^	3.08%
1405	Bedroom	1.69%
1406	LKD	1.78%
1406	Living Space^	3.22%
1406	Bedroom	1.63%
1407	LKD	2.08%
1407	Living Space^	3.49%
1407	Bedroom	1.11%
1407	Bedroom	1.85%
1408	LKD	5.39%
1408	Living Space^	5.83%
1408	Bedroom	2.17%
1408	Bedroom	1.79%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

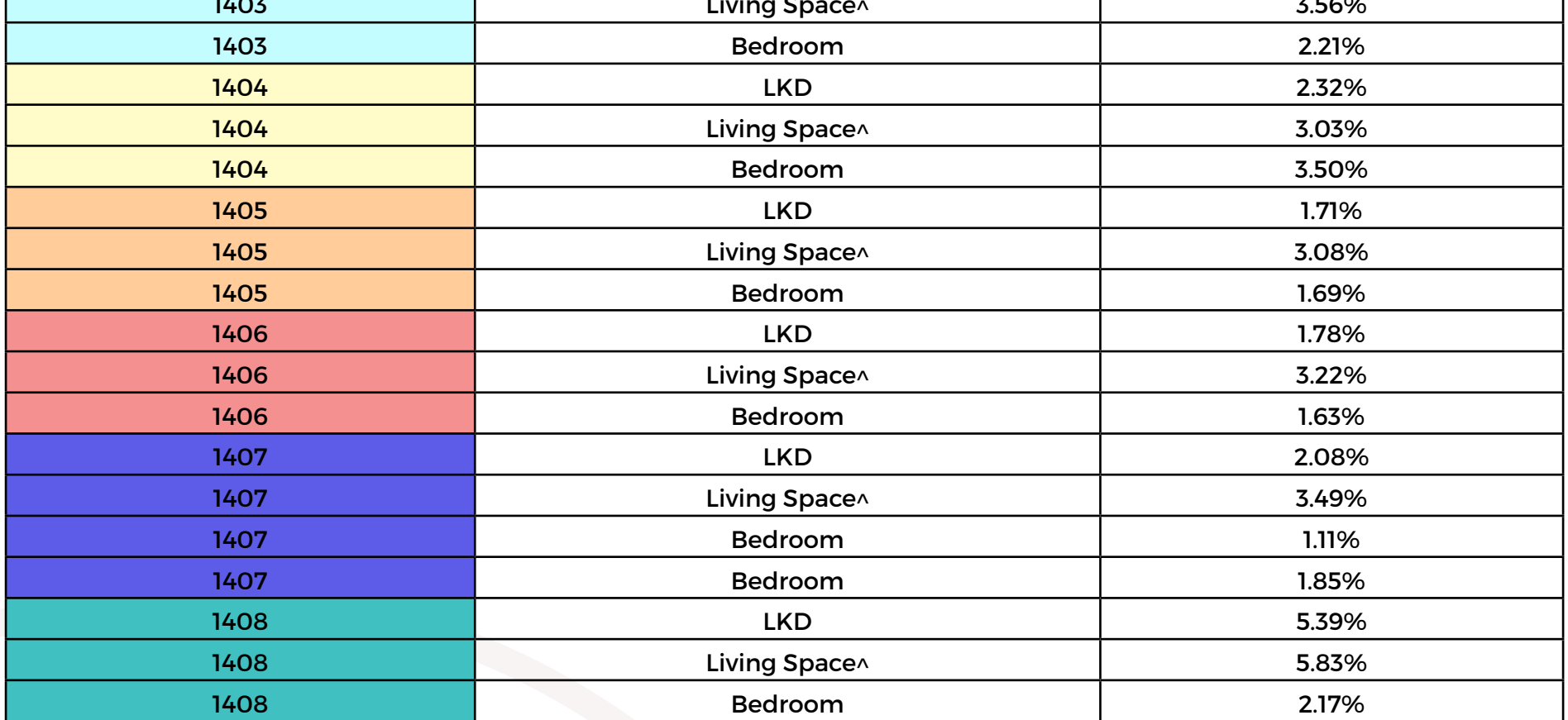


Figure 7.9: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.9 Block A - Level 04

Table No. 7.10: ADF Results: Block A - Level 04		
Unit Number	Room Description	Predicted ADF Value
1409	LKD	3.44%
1409	Living Space^	5.25%
1409	Bedroom	7.60%
1410	LKD	3.40%
1410	Living Space^	5.15%
1410	Bedroom	2.75%
1411	LKD	3.37%
1411	Living Space^	5.16%
1411	Bedroom	2.71%
1412	LKD	3.36%
1412	Living Space^	5.16%
1412	Bedroom	2.70%
1413	LKD	3.48%
1413	Living Space^	5.39%
1413	Bedroom	2.54%
1414	LKD	2.31%
1414	Living Space^	3.24%
1414	Bedroom	3.19%
1415	LKD	2.09%
1415	Living Space^	2.97%
1415	Bedroom	6.91%
1416	LKD	7.07%
1416	Living Space^	8.08%
1416	Bedroom	5.16%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.10: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.10 Block A - Level 05

Table No. 7.11: ADF Results: Block A - Level 05		
Unit Number	Room Description	Predicted ADF Value
1501	LKD	2.70%
1501	Living Space^	2.46%
1501	Bedroom	3.93%
1501	Bedroom	1.44%
1502	LKD	5.45%
1502	Living Space^	6.16%
1502	Bedroom	1.40%
1502	Bedroom	2.10%
1503	LKD	4.55%
1503	Living Space^	4.23%
1503	Bedroom	2.40%
1504	LKD	2.61%
1504	Living Space^	3.41%
1504	Bedroom	3.51%
1505	LKD	2.11%
1505	Living Space^	3.65%
1505	Bedroom	2.05%
1506	LKD	2.10%
1506	Living Space^	3.82%
1506	Bedroom	2.04%
1507	LKD	2.44%
1507	Living Space^	4.11%
1507	Bedroom	1.96%
1507	Bedroom	1.42%
1508	LKD	5.14%
1508	Living Space^	5.65%
1508	Bedroom	2.39%
1508	Bedroom	1.99%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

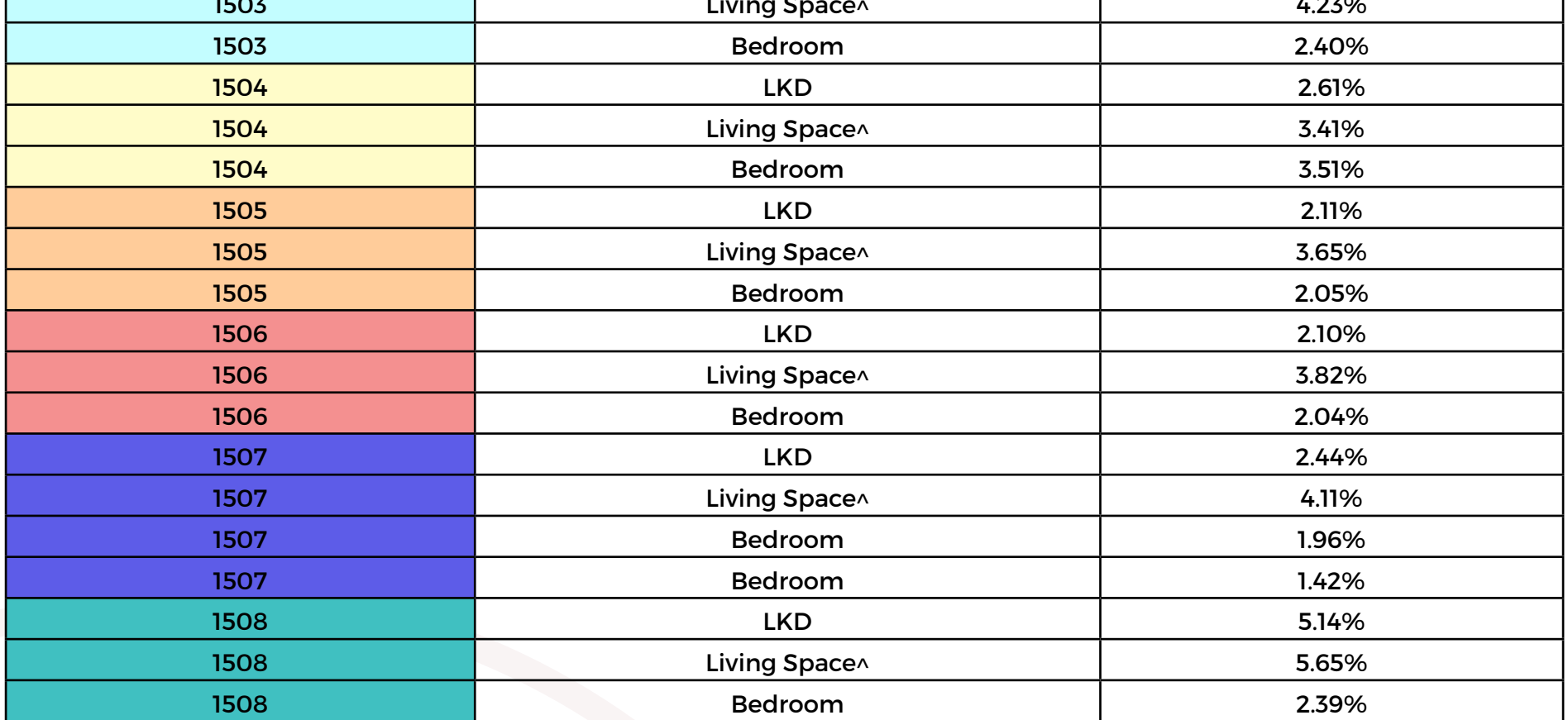


Figure 7.11: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.11 Block A - Level 05

Table No. 7.12: ADF Results: Block A - Level 05		
Unit Number	Room Description	Predicted ADF Value
1509	LKD	6.05%
1509	Living Space^	8.08%
1509	Bedroom	3.21%
1510	LKD	2.98%
1510	Living Space^	4.42%
1510	Bedroom	3.20%
1511	LKD	2.96%
1511	Living Space^	4.40%
1511	Bedroom	3.19%
1512	LKD	2.96%
1512	Living Space^	4.39%
1512	Bedroom	3.19%
1513	LKD	2.82%
1513	Living Space^	4.39%
1513	Bedroom	3.32%
1514	LKD	2.28%
1514	Living Space^	3.14%
1514	Bedroom	3.39%
1515	LKD	2.10%
1515	Living Space^	2.97%
1515	Bedroom	7.15%
1516	LKD	7.30%
1516	Living Space^	8.37%
1516	Bedroom	5.21%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.12: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.12 Block A - Level 06

Table No. 7.13: ADF Results: Block A - Level 06		
Unit Number	Room Description	Predicted ADF Value
1601	LKD	2.96%
1601	Living Space^	2.63%
1601	Bedroom	4.16%
1601	Bedroom	1.45%
1602	LKD	5.74%
1602	Living Space^	6.97%
1602	Bedroom	1.92%
1602	Bedroom	3.02%
1603	LKD	5.19%
1603	Living Space^	5.21%
1603	Bedroom	3.17%
1604	LKD	2.91%
1604	Living Space^	3.77%
1604	Bedroom	3.76%
1605	LKD	2.61%
1605	Living Space^	4.67%
1605	Bedroom	3.99%
1606	LKD	2.78%
1606	Living Space^	5.08%
1606	Bedroom	4.00%
1607	LKD	3.59%
1607	Living Space^	6.09%
1607	Bedroom	2.28%
1607	Bedroom	2.39%
1608	LKD	6.37%
1608	Living Space^	7.30%
1608	Bedroom	2.58%
1608	Bedroom	2.19%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.13: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.13 Block A - Level 06

Table No. 7.14: ADF Results: Block A - Level 06		
Unit Number	Room Description	Predicted ADF Value
1609	LKD	6.94%
1609	Living Space^	9.60%
1609	Bedroom	3.43%
1610	LKD	3.94%
1610	Living Space^	6.04%
1610	Bedroom	3.43%
1611	LKD	3.93%
1611	Living Space^	6.02%
1611	Bedroom	3.43%
1612	LKD	3.93%
1612	Living Space^	6.04%
1612	Bedroom	3.43%
1613	LKD	3.71%
1613	Living Space^	5.98%
1613	Bedroom	3.40%
1614	LKD	2.30%
1614	Living Space^	3.17%
1614	Bedroom	3.24%
1615	LKD	2.12%
1615	Living Space^	2.99%
1615	Bedroom	7.01%
1616	LKD	7.18%
1616	Living Space^	8.15%
1616	Bedroom	5.14%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.14: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.14 Block A - Level 07

Table No. 7.15: ADF Results: Block A - Level 07		
Unit Number	Room Description	Predicted ADF Value
1701	Living Space^	2.53%
1701	Bedroom	4.00%
1701	Bedroom	1.47%
1702	LKD	5.84%
1702	Living Space^	7.21%
1702	Bedroom	2.08%
1702	Bedroom	3.26%
1703	LKD	4.84%
1703	Living Space^	5.50%
1703	Bedroom	2.85%
1704	LKD	3.36%
1704	Living Space^	5.16%
1704	Bedroom	4.39%
1705	LKD	2.56%
1705	Living Space^	3.61%
1705	Bedroom	3.97%
1706	LKD	2.14%
1706	Living Space^	3.05%
1706	Bedroom	7.22%
1707	LKD	7.36%
1707	Living Space^	8.42%
1707	Bedroom	5.34%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.15: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.15 Block A - Level 08

Table No. 7.16: ADF Results: Block A - Level 08		
Unit Number	Room Description	Predicted ADF Value
1801	LKD	3.56%
1801	Living Space^	1.57%
1801	Bedroom	4.19%
1801	Bedroom	2.91%
1802	LKD	7.09%
1802	Living Space^	5.96%
1802	Bedroom	2.08%
1802	Bedroom	3.24%
1803	LKD	5.60%
1803	Living Space^	6.64%
1803	Bedroom	3.33%
1804	LKD	4.56%
1804	Living Space^	3.68%
1804	Bedroom	4.53%
1805	LKD	6.34%
1805	Living Space^	7.68%
1805	Bedroom	3.72%
1806	LKD	2.15%
1806	Living Space^	5.99%
1806	Bedroom	7.05%
1807	LKD	7.30%
1807	Living Space^	8.26%
1807	Bedroom	5.38%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

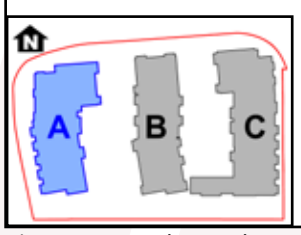


Figure 7.16: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.16 Block A - Level 09

Table No. 7.17: ADF Results: Block A - Level 09		
Unit Number	Room Description	Predicted ADF Value
1901	LKD	8.84%
1901	Living Space^	10.69%
1901	Bedroom	2.86%
1902	LKD	5.19%
1902	Living Space^	4.18%
1902	Bedroom	6.31%
1903	LKD	6.73%
1903	Living Space^	2.82%
1903	Bedroom	3.98%
1904	LKD	2.15%
1904	Living Space^	3.01%
1904	Bedroom	7.22%
1905	LKD	7.58%
1905	Living Space^	8.54%
1905	Bedroom	5.61%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.17: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.17 Block A - Level 10

Table No. 7.18: ADF Results: Block A - Level 10		
Unit Number	Room Description	Predicted ADF Value
11001	LKD	7.97%
11001	Living Space^	9.59%
11001	Bedroom	2.51%
11002	LKD	6.31%
11002	Living Space^	6.74%
11002	Bedroom	7.18%
11003	LKD	7.13%
11003	Living Space^	5.75%
11003	Bedroom	3.54%
11004	LKD	2.25%
11004	Living Space^	3.16%
11004	Bedroom	6.32%
11005	LKD	6.83%
11005	Living Space^	7.75%
11005	Bedroom	4.86%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

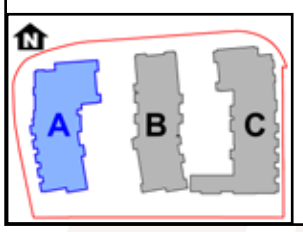


Figure 7.18: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.18 Block B - Level 01

Table No. 7.19: ADF Results: Block B - Level 01		
Unit Number	Room Description	Predicted ADF Value
2101	LKD	1.91%
2101	Living Space^	2.45%
2101	Bedroom	2.17%
2101	Bedroom	1.43%
2102	LKD	1.93%
2102	Living Space^	2.86%
2102	Bedroom	1.49%
2103	LKD	1.84%
2103	Living Space^	2.78%
2103	Bedroom	1.47%
2104	LKD	1.64%
2104	Living Space^	2.57%
2104	Bedroom	1.58%
2105	LKD	2.80%
2105	Living Space^	4.00%
2105	Bedroom	1.74%
2105	Bedroom	3.25%
2106	LKD	4.15%
2106	Living Space^	5.60%
2106	Bedroom	3.81%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.19: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.19 Block B - Level 01

Table No. 7.20: ADF Results: Block B - Level 01		
Unit Number	Room Description	Predicted ADF Value
2107	LKD	3.49%
2107	Living Space^	4.18%
2107	Bedroom	2.06%
2107	Bedroom	1.91%
2108	LKD	1.64%
2108	Living Space^	2.47%
2108	Bedroom	1.70%
2109	LKD	1.69%
2109	Living Space^	2.54%
2109	Bedroom	1.20%
2110	LKD	1.38%
2110	Living Space^	2.02%
2110	Bedroom	1.41%
2111	LKD	1.50%
2111	Living Space^	2.23%
2111	Bedroom	1.13%
na	Communal**	3.12%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

**An ADF assessment has been carried out on shared amenity spaces, but these spaces do contribute to the compliance rates.

Figure 7.20: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.20 Block B - Level 02

Table No. 7.21: ADF Results: Block B - Level 02		
Unit Number	Room Description	Predicted ADF Value
2201	LKD	4.19%
2201	Living Space^	5.89%
2201	Bedroom	1.86%
2201	Bedroom	3.77%
2202	LKD	2.17%
2202	Living Space^	3.39%
2202	Bedroom	1.63%
2203	LKD	1.82%
2203	Living Space^	2.78%
2203	Bedroom	2.21%
2204	LKD	1.63%
2204	Living Space^	2.57%
2204	Bedroom	2.56%
2205	LKD	2.84%
2205	Living Space^	4.08%
2205	Bedroom	3.02%
2205	Bedroom	2.65%
2206	LKD	4.50%
2206	Living Space^	6.04%
2206	Bedroom	4.07%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.21: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.21 Block B - Level 02

Table No. 7.22: ADF Results: Block B - Level 02		
Unit Number	Room Description	Predicted ADF Value
2207	LKD	4.11%
2207	Living Space^	4.98%
2207	Bedroom	2.38%
2207	Bedroom	2.37%
2208	LKD	1.67%
2208	Living Space^	2.59%
2208	Bedroom	1.58%
2209	LKD	1.79%
2209	Living Space^	2.82%
2209	Bedroom	1.12%
2210	LKD	1.34%
2210	Living Space^	2.03%
2210	Bedroom	1.96%
2211	LKD	1.27%
2211	Living Space^	1.89%
2211	Bedroom	1.42%
2212	LKD	4.25%
2212	Living Space^	5.14%
2212	Bedroom	2.96%
2212	Bedroom	2.09%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.22: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.22 Block B - Level 03

Table No. 7.23: ADF Results: Block B - Level 03		
Unit Number	Room Description	Predicted ADF Value
2301	LKD	4.32%
2301	Living Space^	6.10%
2301	Bedroom	1.98%
2301	Bedroom	3.94%
2302	LKD	2.31%
2302	Living Space^	3.60%
2302	Bedroom	1.59%
2303	LKD	2.12%
2303	Living Space^	3.33%
2303	Bedroom	1.43%
2303	Bedroom	1.66%
2304	LKD	2.15%
2304	Living Space^	3.67%
2304	Bedroom	1.75%
2304	Bedroom	0.98%
2305	LKD	3.20%
2305	Living Space^	4.71%
2305	Bedroom	1.23%
2305	Bedroom	1.94%
2306	LKD	5.13%
2306	Living Space^	6.63%
2306	Bedroom	4.25%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.23: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.23 Block B - Level 03

Table No. 7.24: ADF Results: Block B - Level 03		
Unit Number	Room Description	Predicted ADF Value
2307	LKD	4.27%
2307	Living Space^	5.14%
2307	Bedroom	1.64%
2307	Bedroom	1.54%
2308	LKD	1.84%
2308	Living Space^	2.91%
2308	Bedroom	0.86%
2309	LKD	1.91%
2309	Living Space^	3.01%
2309	Bedroom	0.70%
2310	LKD	1.66%
2310	Living Space^	2.86%
2310	Bedroom	1.53%
2310	Bedroom	0.76%
2311	LKD	1.73%
2311	Living Space^	2.75%
2311	Bedroom	1.14%
2311	Bedroom	0.73%
2312	LKD	4.40%
2312	Living Space^	5.18%
2312	Bedroom	3.03%
2312	Bedroom	2.12%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.24: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.24 Block B - Level 04

Table No. 7.25: ADF Results: Block B - Level 04		
Unit Number	Room Description	Predicted ADF Value
2401	LKD	4.45%
2401	Living Space^	6.27%
2401	Bedroom	2.15%
2401	Bedroom	4.12%
2402	LKD	2.54%
2402	Living Space^	4.00%
2402	Bedroom	1.81%
2403	LKD	2.24%
2403	Living Space^	3.59%
2403	Bedroom	1.20%
2403	Bedroom	2.86%
2404	LKD	2.07%
2404	Living Space^	3.60%
2404	Bedroom	1.28%
2404	Bedroom	1.74%
2405	LKD	3.13%
2405	Living Space^	4.60%
2405	Bedroom	2.10%
2405	Bedroom	1.77%
2406	LKD	5.27%
2406	Living Space^	6.82%
2406	Bedroom	4.51%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.25: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.25 Block B - Level 04

Table No. 7.26: ADF Results: Block B - Level 04		
Unit Number	Room Description	Predicted ADF Value
2407	LKD	4.35%
2407	Living Space^	5.25%
2407	Bedroom	1.64%
2407	Bedroom	1.63%
2408	LKD	2.08%
2408	Living Space^	3.39%
2408	Bedroom	1.28%
2409	LKD	2.17%
2409	Living Space^	3.52%
2409	Bedroom	0.89%
2410	LKD	1.53%
2410	Living Space^	2.63%
2410	Bedroom	1.30%
2410	Bedroom	1.28%
2411	LKD	1.73%
2411	Living Space^	2.75%
2411	Bedroom	0.88%
2411	Bedroom	1.08%
2412	LKD	4.46%
2412	Living Space^	5.22%
2412	Bedroom	3.22%
2412	Bedroom	2.23%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.26: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.26 Block B - Level 05

Table No. 7.27: ADF Results: Block B - Level 05		
Unit Number	Room Description	Predicted ADF Value
2501	LKD	4.58%
2501	Living Space^	6.44%
2501	Bedroom	2.41%
2501	Bedroom	4.14%
2502	LKD	2.79%
2502	Living Space^	4.42%
2502	Bedroom	2.03%
2503	LKD	2.58%
2503	Living Space^	4.05%
2503	Bedroom	1.96%
2503	Bedroom	2.08%
2504	LKD	2.33%
2504	Living Space^	4.07%
2504	Bedroom	2.30%
2504	Bedroom	1.22%
2505	LKD	3.76%
2505	Living Space^	5.54%
2505	Bedroom	1.62%
2505	Bedroom	2.50%
2506	LKD	4.88%
2506	Living Space^	6.54%
2506	Bedroom	4.57%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.27: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.27 Block B - Level 05

Table No. 7.28: ADF Results: Block B - Level 05		
Unit Number	Room Description	Predicted ADF Value
2507	LKD	4.38%
2507	Living Space^	5.28%
2507	Bedroom	1.82%
2507	Bedroom	1.83%
2508	LKD	2.37%
2508	Living Space^	3.83%
2508	Bedroom	1.52%
2509	LKD	2.44%
2509	Living Space^	3.97%
2509	Bedroom	1.09%
2510	LKD	1.97%
2510	Living Space^	3.48%
2510	Bedroom	1.93%
2510	Bedroom	0.99%
2511	LKD	2.04%
2511	Living Space^	3.30%
2511	Bedroom	1.51%
2511	Bedroom	0.78%
2512	LKD	4.63%
2512	Living Space^	5.52%
2512	Bedroom	3.23%
2512	Bedroom	2.42%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.28: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.28 Block B - Level 06

Table No. 7.29: ADF Results: Block B - Level 06		
Unit Number	Room Description	Predicted ADF Value
2601	LKD	4.72%
2601	Living Space^	6.65%
2601	Bedroom	2.66%
2601	Bedroom	4.04%
2602	LKD	3.11%
2602	Living Space^	4.93%
2602	Bedroom	2.52%
2603	LKD	2.91%
2603	Living Space^	4.61%
2603	Bedroom	1.42%
2603	Bedroom	3.84%
2604	LKD	2.66%
2604	Living Space^	4.58%
2604	Bedroom	1.71%
2604	Bedroom	2.00%
2605	LKD	3.76%
2605	Living Space^	5.42%
2605	Bedroom	2.61%
2605	Bedroom	1.95%
2606	LKD	5.04%
2606	Living Space^	5.93%
2606	Bedroom	4.59%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.29: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.29 Block B - Level 06

Table No. 7.30: ADF Results: Block B - Level 06		
Unit Number	Room Description	Predicted ADF Value
2607	LKD	4.53%
2607	Living Space^	5.49%
2607	Bedroom	2.16%
2607	Bedroom	2.16%
2608	LKD	2.69%
2608	Living Space^	4.31%
2608	Bedroom	1.42%
2609	LKD	2.74%
2609	Living Space^	4.41%
2609	Bedroom	1.17%
2610	LKD	2.00%
2610	Living Space^	3.39%
2610	Bedroom	1.65%
2610	Bedroom	1.75%
2611	LKD	2.24%
2611	Living Space^	3.58%
2611	Bedroom	1.28%
2611	Bedroom	1.40%
2612	LKD	4.84%
2612	Living Space^	5.73%
2612	Bedroom	3.06%
2612	Bedroom	2.67%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.30: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.30 Block B - Level 07

Table No. 7.31: ADF Results: Block B - Level 07		
Unit Number	Room Description	Predicted ADF Value
2701	LKD	4.79%
2701	Living Space^	6.81%
2701	Bedroom	3.10%
2701	Bedroom	4.13%
2702	LKD	3.51%
2702	Living Space^	5.55%
2702	Bedroom	2.91%
2703	LKD	3.31%
2703	Living Space^	5.15%
2703	Bedroom	2.47%
2703	Bedroom	2.89%
2704	LKD	2.91%
2704	Living Space^	4.94%
2704	Bedroom	3.03%
2704	Bedroom	1.63%
2705	LKD	4.36%
2705	Living Space^	6.31%
2705	Bedroom	2.75%
2705	Bedroom	2.54%
2706	LKD	6.44%
2706	Living Space^	7.71%
2706	Bedroom	5.02%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.31: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.31 Block B - Level 07

Table No. 7.32: ADF Results: Block B - Level 07		
Unit Number	Room Description	Predicted ADF Value
2707	LKD	6.55%
2707	Living Space^	8.40%
2707	Bedroom	2.32%
2707	Bedroom	2.31%
2708	LKD	3.56%
2708	Living Space^	5.69%
2708	Bedroom	2.48%
2709	LKD	3.61%
2709	Living Space^	5.70%
2709	Bedroom	2.20%
2710	LKD	2.50%
2710	Living Space^	4.27%
2710	Bedroom	2.53%
2710	Bedroom	1.23%
2711	LKD	2.62%
2711	Living Space^	4.11%
2711	Bedroom	2.11%
2711	Bedroom	1.02%
2712	LKD	5.06%
2712	Living Space^	5.69%
2712	Bedroom	3.11%
2712	Bedroom	3.06%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.32: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.32 Block B - Level 08

Table No. 7.33: ADF Results: Block B - Level 08		
Unit Number	Room Description	Predicted ADF Value
2801	LKD	5.24%
2801	Living Space^	7.37%
2801	Bedroom	3.20%
2801	Bedroom	4.31%
2802	LKD	4.43%
2802	Living Space^	7.00%
2802	Bedroom	5.05%
2803	LKD	4.45%
2803	Living Space^	7.14%
2803	Bedroom	2.58%
2803	Bedroom	5.06%
2804	LKD	4.00%
2804	Living Space^	6.72%
2804	Bedroom	5.32%
2804	Bedroom	2.66%
2805	LKD	3.08%
2805	Living Space^	5.22%
2805	Bedroom	5.83%
2805	Bedroom	2.08%
2806	LKD	3.64%
2806	Living Space^	5.88%
2806	Bedroom	2.14%
2806	Bedroom	1.88%
2807	LKD	5.45%
2807	Living Space^	6.16%
2807	Bedroom	3.27%
2807	Bedroom	3.29%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

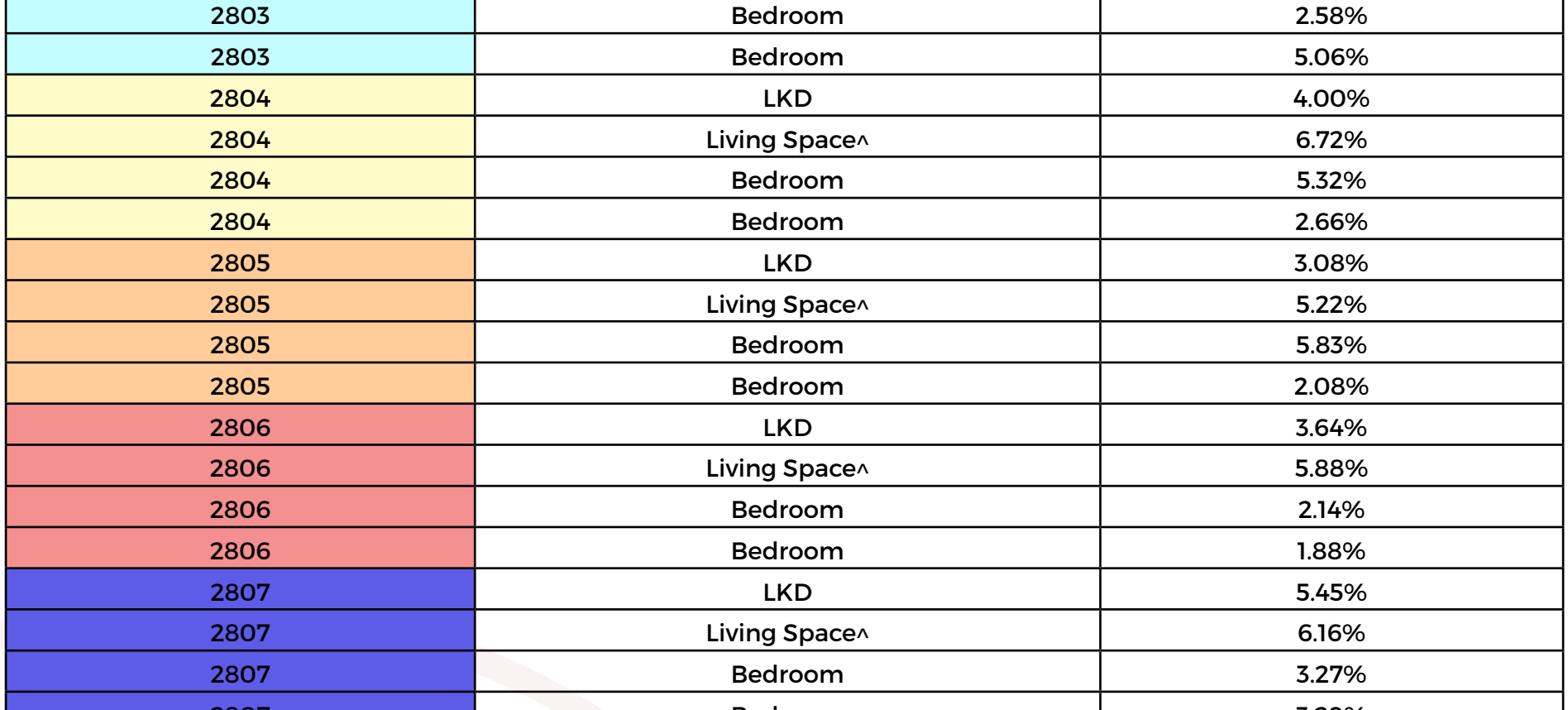


Figure 7.33: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.33 Block C- Level 00

Table No. 7.34: ADF Results: Block C - Level 00		
Unit Number	Room Description	Predicted ADF Value
1001	LKD	2.49%
1001	Living Space^	3.87%
1001	Bedroom	5.29%
1004	LKD	4.10%
1004	Living Space^	6.16%
1004	Bedroom	5.49%
3001	LKD	3.19%
3001	Living Space^	4.48%
3001	Bedroom	3.09%
3002	LKD	8.36%
3002	Living Space^	9.91%
3002	Bedroom	3.40%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.34: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.34 Block C- Duplex Units

Table No. 7.35: ADF Results: Block C - Duplex Units		
Unit Number	Room Description	Predicted ADF Value
1002	LKD	4.16%
1002	Living Space^	6.22%
1002	Bedroom	5.33%
1002	Bedroom	3.94%
1003	LKD	4.09%
1003	Living Space^	6.16%
1003	Bedroom	5.13%
1003	Bedroom	4.23%
3003	LKD	4.31%
3003	Living Space^	4.30%
3003	Bedroom	7.26%
3003	Bedroom	3.28%
3004	LKD	4.27%
3004	Living Space^	4.27%
3004	Bedroom	5.21%
3004	Bedroom	2.32%
3005	LKD	4.26%
3005	Living Space^	4.26%
3005	Bedroom	7.05%
3005	Bedroom	3.26%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.35: Floor plan of assessed rooms with keyplan highlighting the assessed block. Left: Level 00, Right: Level 01

7.2.35 Block C- Live/Work Units

Table No. 7.36: ADF Results: Block C - Live/Work Units		
Unit Number	Room Description	Predicted ADF Value
3006	Work Space*	4.33%
3006	Studio	3.95%
3007	Work Space*	10.38%
3007	LKD	3.87%
3007	Living Space^	5.20%
3007	Bedroom	7.71%
3007	Bedroom	7.12%
3008	Work Space*	9.00%
3008	Studio	3.51%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

*An ADF assessment has been carried out on the work space of the Live/Work units spaces, but these work spaces do contribute to the compliance rates.

Figure 7.36: Floor plan of assessed rooms with keyplan highlighting the assessed block. Left: Level 00, Right: Level 01

7.2.36 Block C- Level 01

Table No. 7.37: ADF Results: Block C - Level 01		
Unit Number	Room Description	Predicted ADF Value
3101	LKD	2.83%
3101	Living Space^	3.99%
3101	Bedroom	1.37%
3102	LKD	3.88%
3102	Living Space^	4.48%
3102	Bedroom	1.97%
3103	LKD	3.46%
3103	Living Space^	5.02%
3103	Bedroom	1.76%
3104	LKD	7.04%
3104	Living Space^	8.04%
3104	Bedroom	3.02%
3105	LKD	2.02%
3105	Living Space^	3.82%
3105	Bedroom	5.23%
3105	Bedroom	2.18%
3106	LKD	1.84%
3106	Living Space^	2.63%
3106	Bedroom	1.64%
3107	LKD	1.81%
3107	Living Space^	2.65%
3107	Bedroom	1.96%
3107	Bedroom	1.07%
3108	LKD	1.53%
3108	Living Space^	2.14%
3108	Bedroom	1.38%
3108	Bedroom	1.90%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.37: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.37 Block C- Level 02

Table No. 7.38: ADF Results: Block C - Level 02		
Unit Number	Room Description	Predicted ADF Value
3201	LKD	2.81%
3201	Living Space^	3.95%
3201	Bedroom	1.49%
3202	LKD	5.12%
3202	Living Space^	5.54%
3202	Bedroom	3.71%
3202	Bedroom	2.00%
3203	LKD	3.68%
3203	Living Space^	4.21%
3203	Bedroom	10.07%
3203	Bedroom	3.64%
3203	Bedroom	5.79%
3204	LKD	2.53%
3204	Living Space^	3.58%
3204	Bedroom	6.30%
3205	LKD	2.85%
3205	Living Space^	4.01%
3205	Bedroom	6.08%
3205	Bedroom	6.59%
3206	LKD	3.60%
3206	Living Space^	5.37%
3206	Bedroom	2.93%
3207	LKD	3.69%
3207	Living Space^	5.52%
3207	Bedroom	2.62%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.38: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.38 Block C- Level 02

Table No. 7.39: ADF Results: Block C - Level 02		
Unit Number	Room Description	Predicted ADF Value
3208	LKD	3.70%
3208	Living Space^	5.53%
3208	Bedroom	2.62%
3209	LKD	3.70%
3209	Living Space^	5.54%
3209	Bedroom	2.65%
3210	LKD	6.90%
3210	Living Space^	9.18%
3210	Bedroom	2.67%
3211	LKD	5.10%
3211	Living Space^	6.91%
3211	Bedroom	1.39%
3212	LKD	1.99%
3212	Living Space^	2.90%
3212	Bedroom	1.55%
3213	LKD	1.91%
3213	Living Space^	2.87%
3213	Bedroom	1.44%
3213	Bedroom	1.81%
3214	LKD	1.61%
3214	Living Space^	2.31%
3214	Bedroom	1.16%
3214	Bedroom	1.72%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.39: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.39 Block C- Level 03

Table No. 7.40: ADF Results: Block C - Level 03		
Unit Number	Room Description	Predicted ADF Value
3301	LKD	2.90%
3301	Living Space^	4.12%
3301	Bedroom	1.57%
3302	LKD	5.05%
3302	Living Space^	5.47%
3302	Bedroom	3.63%
3302	Bedroom	2.36%
3303	LKD	3.70%
3303	Living Space^	4.21%
3303	Bedroom	8.96%
3303	Bedroom	3.48%
3303	Bedroom	5.35%
3304	LKD	2.54%
3304	Living Space^	3.56%
3304	Bedroom	5.57%
3305	LKD	2.85%
3305	Living Space^	4.04%
3305	Bedroom	5.44%
3305	Bedroom	5.93%
3306	LKD	3.27%
3306	Living Space^	4.78%
3306	Bedroom	3.55%
3307	LKD	3.17%
3307	Living Space^	4.60%
3307	Bedroom	3.61%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.40: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.40 Block C- Level 03

Table No. 7.41: ADF Results: Block C - Level 03		
Unit Number	Room Description	Predicted ADF Value
3308	LKD	3.17%
3308	Living Space^	4.61%
3308	Bedroom	3.62%
3309	LKD	3.18%
3309	Living Space^	4.62%
3309	Bedroom	3.64%
3310	LKD	3.21%
3310	Living Space^	4.68%
3310	Bedroom	8.76%
3311	LKD	5.47%
3311	Living Space^	7.54%
3311	Bedroom	1.48%
3312	LKD	2.27%
3312	Living Space^	3.37%
3312	Bedroom	1.77%
3313	LKD	2.18%
3313	Living Space^	3.35%
3313	Bedroom	2.28%
3313	Bedroom	1.37%
3314	LKD	1.59%
3314	Living Space^	2.35%
3314	Bedroom	1.37%
3314	Bedroom	2.49%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.41: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.41 Block C- Level 04

Table No. 7.42: ADF Results: Block C - Level 04		
Unit Number	Room Description	Predicted ADF Value
3401	LKD	3.05%
3401	Living Space^	4.41%
3401	Bedroom	1.73%
3402	LKD	3.88%
3402	Living Space^	4.11%
3402	Bedroom	3.81%
3402	Bedroom	2.34%
3403	LKD	4.76%
3403	Living Space^	5.42%
3403	Bedroom	10.20%
3403	Bedroom	3.53%
3403	Bedroom	5.98%
3404	LKD	2.54%
3404	Living Space^	3.56%
3404	Bedroom	6.33%
3405	LKD	2.89%
3405	Living Space^	4.09%
3405	Bedroom	6.17%
3405	Bedroom	6.57%
3406	LKD	3.83%
3406	Living Space^	5.72%
3406	Bedroom	3.00%
3407	LKD	3.74%
3407	Living Space^	5.55%
3407	Bedroom	3.02%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.42: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.42 Block C- Level 04

Table No. 7.43: ADF Results: Block C - Level 04		
Unit Number	Room Description	Predicted ADF Value
3408	LKD	3.74%
3408	Living Space^	5.55%
3408	Bedroom	3.03%
3409	LKD	3.75%
3409	Living Space^	5.56%
3409	Bedroom	3.06%
3410	LKD	3.76%
3410	Living Space^	5.59%
3410	Bedroom	8.09%
3411	LKD	5.64%
3411	Living Space^	7.83%
3411	Bedroom	1.67%
3412	LKD	2.54%
3412	Living Space^	3.80%
3412	Bedroom	2.13%
3413	LKD	2.42%
3413	Living Space^	3.78%
3413	Bedroom	1.59%
3413	Bedroom	2.46%
3414	LKD	1.86%
3414	Living Space^	2.81%
3414	Bedroom	1.62%
3414	Bedroom	2.28%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.43: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.43 Block C- Level 05

Table No. 7.44: ADF Results: Block C - Level 05		
Unit Number	Room Description	Predicted ADF Value
3501	LKD	3.48%
3501	Living Space^	5.08%
3501	Bedroom	2.01%
3502	LKD	4.03%
3502	Living Space^	4.27%
3502	Bedroom	3.72%
3502	Bedroom	2.65%
3503	LKD	4.76%
3503	Living Space^	5.34%
3503	Bedroom	9.09%
3503	Bedroom	3.73%
3503	Bedroom	5.42%
3504	LKD	2.42%
3504	Living Space^	3.44%
3504	Bedroom	5.64%
3505	LKD	2.86%
3505	Living Space^	4.04%
3505	Bedroom	5.52%
3505	Bedroom	6.12%
3506	LKD	3.18%
3506	Living Space^	4.64%
3506	Bedroom	3.61%
3507	LKD	3.17%
3507	Living Space^	4.64%
3507	Bedroom	3.13%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.44: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.44 Block C- Level 05

Table No. 7.45: ADF Results: Block C - Level 05		
Unit Number	Room Description	Predicted ADF Value
3508	LKD	3.17%
3508	Living Space^	4.62%
3508	Bedroom	3.14%
3509	LKD	3.18%
3509	Living Space^	4.64%
3509	Bedroom	3.14%
3510	LKD	6.32%
3510	Living Space^	8.06%
3510	Bedroom	3.18%
3511	LKD	5.83%
3511	Living Space^	8.06%
3511	Bedroom	1.69%
3512	LKD	2.96%
3512	Living Space^	4.46%
3512	Bedroom	2.60%
3513	LKD	2.85%
3513	Living Space^	4.47%
3513	Bedroom	3.31%
3513	Bedroom	1.80%
3514	LKD	2.23%
3514	Living Space^	3.40%
3514	Bedroom	2.10%
3514	Bedroom	3.27%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.45: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.45 Block C- Level 06

Table No. 7.46: ADF Results: Block C - Level 06		
Unit Number	Room Description	Predicted ADF Value
3601	LKD	4.07%
3601	Living Space^	6.06%
3601	Bedroom	2.38%
3602	LKD	5.68%
3602	Living Space^	6.15%
3602	Bedroom	3.97%
3602	Bedroom	3.06%
3603	LKD	3.92%
3603	Living Space^	4.44%
3603	Bedroom	10.43%
3603	Bedroom	3.75%
3603	Bedroom	6.05%
3604	LKD	2.54%
3604	Living Space^	3.60%
3604	Bedroom	6.40%
3605	LKD	2.88%
3605	Living Space^	4.07%
3605	Bedroom	6.20%
3605	Bedroom	6.62%
3606	LKD	3.68%
3606	Living Space^	5.46%
3606	Bedroom	3.05%
3607	LKD	3.77%
3607	Living Space^	5.62%
3607	Bedroom	2.72%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.46: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.46 Block C- Level 06

Table No. 7.47: ADF Results: Block C - Level 06		
Unit Number	Room Description	Predicted ADF Value
3608	LKD	3.77%
3608	Living Space^	5.64%
3608	Bedroom	2.71%
3609	LKD	3.78%
3609	Living Space^	5.65%
3609	Bedroom	2.71%
3610	LKD	7.00%
3610	Living Space^	9.20%
3610	Bedroom	2.73%
3611	LKD	6.09%
3611	Living Space^	8.40%
3611	Bedroom	1.87%
3612	LKD	3.32%
3612	Living Space^	4.96%
3612	Bedroom	3.05%
3613	LKD	3.32%
3613	Living Space^	5.18%
3613	Bedroom	2.67%
3613	Bedroom	3.36%
3614	LKD	2.70%
3614	Living Space^	4.12%
3614	Bedroom	2.51%
3614	Bedroom	3.03%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.47: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.47 Block C- Level 07

Table No. 7.48: ADF Results: Block C - Level 07		
Unit Number	Room Description	Predicted ADF Value
3701	LKD	4.74%
3701	Living Space^	7.09%
3701	Bedroom	2.83%
3702	LKD	6.00%
3702	Living Space^	6.46%
3702	Bedroom	3.84%
3702	Bedroom	3.48%
3703	LKD	3.90%
3703	Living Space^	4.41%
3703	Bedroom	9.37%
3703	Bedroom	3.76%
3703	Bedroom	5.47%
3704	LKD	2.59%
3704	Living Space^	3.59%
3704	Bedroom	5.69%
3705	LKD	2.87%
3705	Living Space^	4.08%
3705	Bedroom	5.55%
3705	Bedroom	6.02%
3706	LKD	4.15%
3706	Living Space^	2.71%
3706	Bedroom	4.38%
3707	LKD	4.15%
3707	Living Space^	2.73%
3707	Bedroom	4.29%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.48: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.48 Block C- Level 07

Table No. 7.49: ADF Results: Block C - Level 07		
Unit Number	Room Description	Predicted ADF Value
3708	LKD	4.12%
3708	Living Space^	2.73%
3708	Bedroom	4.30%
3709	LKD	4.12%
3709	Living Space^	2.74%
3709	Bedroom	4.36%
3710	LKD	5.17%
3710	Living Space^	6.46%
3710	Bedroom	8.56%
3711	LKD	6.75%
3711	Living Space^	9.41%
3711	Bedroom	3.06%
3712	LKD	4.27%
3712	Living Space^	6.35%
3712	Bedroom	4.82%
3713	LKD	4.60%
3713	Living Space^	7.14%
3713	Bedroom	3.96%
3713	Bedroom	3.75%
3714	LKD	3.20%
3714	Living Space^	4.80%
3714	Bedroom	3.01%
3714	Bedroom	4.08%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.49: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.49 Block C- Level 08

Table No. 7.50: ADF Results: Block C - Level 08		
Unit Number	Room Description	Predicted ADF Value
3801	LKD	6.66%
3801	Living Space^	10.30%
3801	Bedroom	3.22%
3802	LKD	6.51%
3802	Living Space^	6.87%
3802	Bedroom	3.94%
3802	Bedroom	3.90%
3803	LKD	5.54%
3803	Living Space^	6.26%
3803	Bedroom	11.10%
3803	Bedroom	3.84%
3803	Bedroom	6.03%
3804	LKD	2.58%
3804	Living Space^	3.61%
3804	Bedroom	6.40%
3805	LKD	2.88%
3805	Living Space^	4.13%
3805	Bedroom	6.23%
3805	Bedroom	11.59%
3806	LKD	4.01%
3806	Living Space^	5.83%
3806	Bedroom	8.64%
3806	Bedroom	3.85%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically "Recommended Minimum ADF" on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.50: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.50 Block C- Level 09

Table No. 7.51: ADF Results: Block C - Level 09		
Unit Number	Room Description	Predicted ADF Value
3901	LKD	4.74%
3901	Living Space^	6.26%
3901	Bedroom	4.88%
3901	Bedroom	4.76%
3902	LKD	6.58%
3902	Living Space^	7.16%
3902	Bedroom	5.60%
3902	Bedroom	5.21%
3902	Bedroom	5.77%
3903	LKD	2.87%
3903	Living Space^	4.06%
3903	Bedroom	5.57%
3903	Bedroom	11.47%
3904	LKD	3.98%
3904	Living Space^	5.74%
3904	Bedroom	9.06%
3904	Bedroom	5.10%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.51: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.51 Block C- Level 10

Table No. 7.52: ADF Results: Block C - Level 10		
Unit Number	Room Description	Predicted ADF Value
31001	LKD	5.28%
31001	Living Space^	7.03%
31001	Bedroom	6.23%
31001	Bedroom	6.03%
31002	LKD	7.47%
31002	Living Space^	8.20%
31002	Bedroom	5.42%
31002	Bedroom	6.07%
31002	Bedroom	6.43%
31003	LKD	2.86%
31003	Living Space^	4.05%
31003	Bedroom	6.24%
31003	Bedroom	11.47%
31004	LKD	4.16%
31004	Living Space^	5.91%
31004	Bedroom	8.50%
31004	Bedroom	5.19%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.52: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.52 Block C- Level 11

Table No. 7.53: ADF Results: Block C - Level 11		
Unit Number	Room Description	Predicted ADF Value
31101	LKD	4.81%
31101	Living Space^	6.34%
31101	Bedroom	5.50%
31101	Bedroom	5.40%
31102	LKD	6.88%
31102	Living Space^	7.52%
31102	Bedroom	5.61%
31102	Bedroom	5.48%
31102	Bedroom	5.71%
31103	LKD	2.83%
31103	Living Space^	4.02%
31103	Bedroom	11.73%
31103	Bedroom	5.69%
31104	LKD	4.31%
31104	Living Space^	6.08%
31104	Bedroom	9.50%
31104	Bedroom	4.62%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.53: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.2.53 Block C- Level 12

Table No. 7.54: ADF Results: Block C - Level 12		
Unit Number	Room Description	Predicted ADF Value
31201	LKD	4.96%
31201	Living Space^	6.47%
31201	Bedroom	5.60%
31201	Bedroom	5.44%
31202	LKD	7.07%
31202	Living Space^	7.75%
31202	Bedroom	5.86%
31202	Bedroom	5.47%
31202	Bedroom	5.73%
31203	LKD	3.12%
31203	Living Space^	4.46%
31203	Bedroom	11.14%
31203	Bedroom	5.75%
31204	LKD	5.18%
31204	Living Space^	7.45%
31204	Bedroom	10.26%
31204	Bedroom	4.80%

The following ADF target values should be considered when reading the above table of results: 2% for kitchens, 1.5% for living rooms and 1% for bedrooms. In LKDs, the higher target value of 2.0% should be applied. Consideration should be given to the methodology section of this report, specifically “Recommended Minimum ADF” on page 19, when reviewing these results. The circa compliance rates across the entire scheme can be found in section 8.2.2 on page 194.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.54: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3 Appendix Results - Alternative Daylight Standards

7.3.1 Communal Amenity Areas

Table No. 7.55: Alternative Daylight Standards Results Communal Amenity Areas - Level 00							
Room Description	BS 8206-2		EN 17037			BS_EN 17037	
	Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
Communal**	5.67%	Yes	100%	100%	Yes	100%	Yes
Creche**	6.62%	Yes	100%	100%	Yes	100%	Yes
Lounge**	12.23%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

**Daylight assessment has been carried out on shared amenity spaces, but these spaces do contribute to the compliance rates.

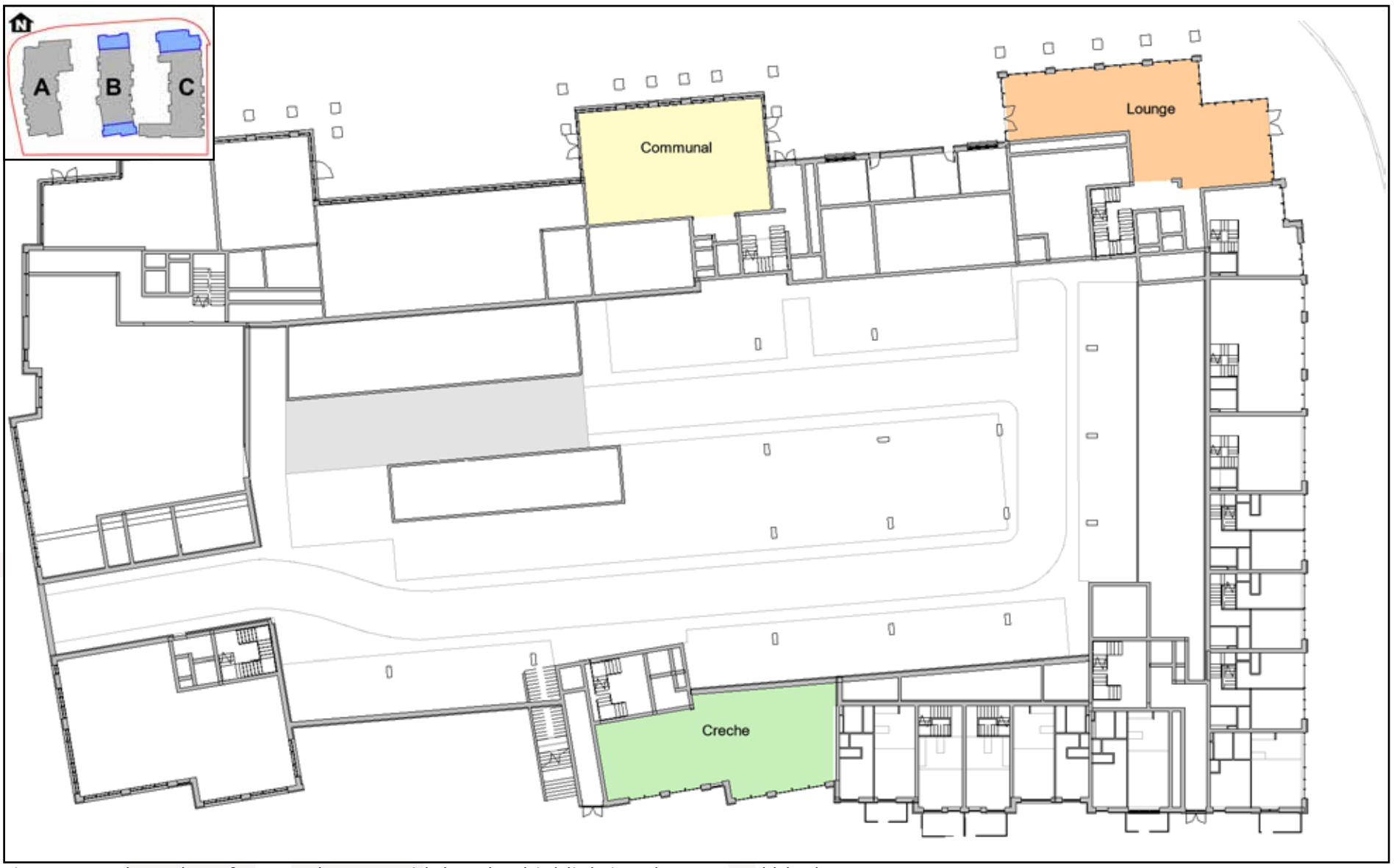


Figure 7.55: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.2 Block A - Level 01

Table No. 7.56: Alternative Daylight Standards Results: Block A - Level 01

Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
1101	LKD	3.48%	Yes	90%	100%	Yes	100%	Yes
1101	Living Space^	4.51%	Yes	98%	100%	Yes	100%	Yes
1101	Bedroom	1.25%	Yes	12%	100%	No	66%	Yes
1102	LKD	2.12%	Yes	89%	100%	Yes	100%	Yes
1102	Living Space^	2.11%	Yes	88%	100%	Yes	100%	Yes
1102	Bedroom	1.27%	Yes	9%	100%	No	57%	Yes
1102	Bedroom	0.85%	No	0%	100%	No	0%	No
1103	LKD	3.33%	Yes	99%	100%	Yes	100%	Yes
1103	Living Space^	3.28%	Yes	100%	100%	Yes	100%	Yes
1103	Bedroom	0.71%	No	0%	76%	No	0%	No
1104	LKD	1.23%	No	20%	60%	No	35%	No
1104	Living Space^	1.99%	Yes	40%	100%	No	87%	Yes
1104	Bedroom	1.16%	Yes	14%	100%	No	44%	No
1105	LKD	1.30%	No	20%	57%	No	32%	No
1105	Living Space^	2.26%	Yes	40%	100%	No	91%	Yes
1105	Bedroom	1.08%	Yes	13%	99%	No	39%	No
1106	LKD	1.60%	No	31%	79%	No	46%	No
1106	Living Space^	2.58%	Yes	64%	100%	Yes	100%	Yes
1106	Bedroom	2.18%	Yes	38%	100%	No	82%	Yes
1106	Bedroom	1.72%	Yes	40%	100%	No	92%	Yes
1107	LKD	4.40%	Yes	100%	100%	Yes	100%	Yes
1107	Living Space^	4.73%	Yes	100%	100%	Yes	100%	Yes
1107	Bedroom	2.61%	Yes	66%	100%	Yes	100%	Yes
1107	Bedroom	2.33%	Yes	66%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

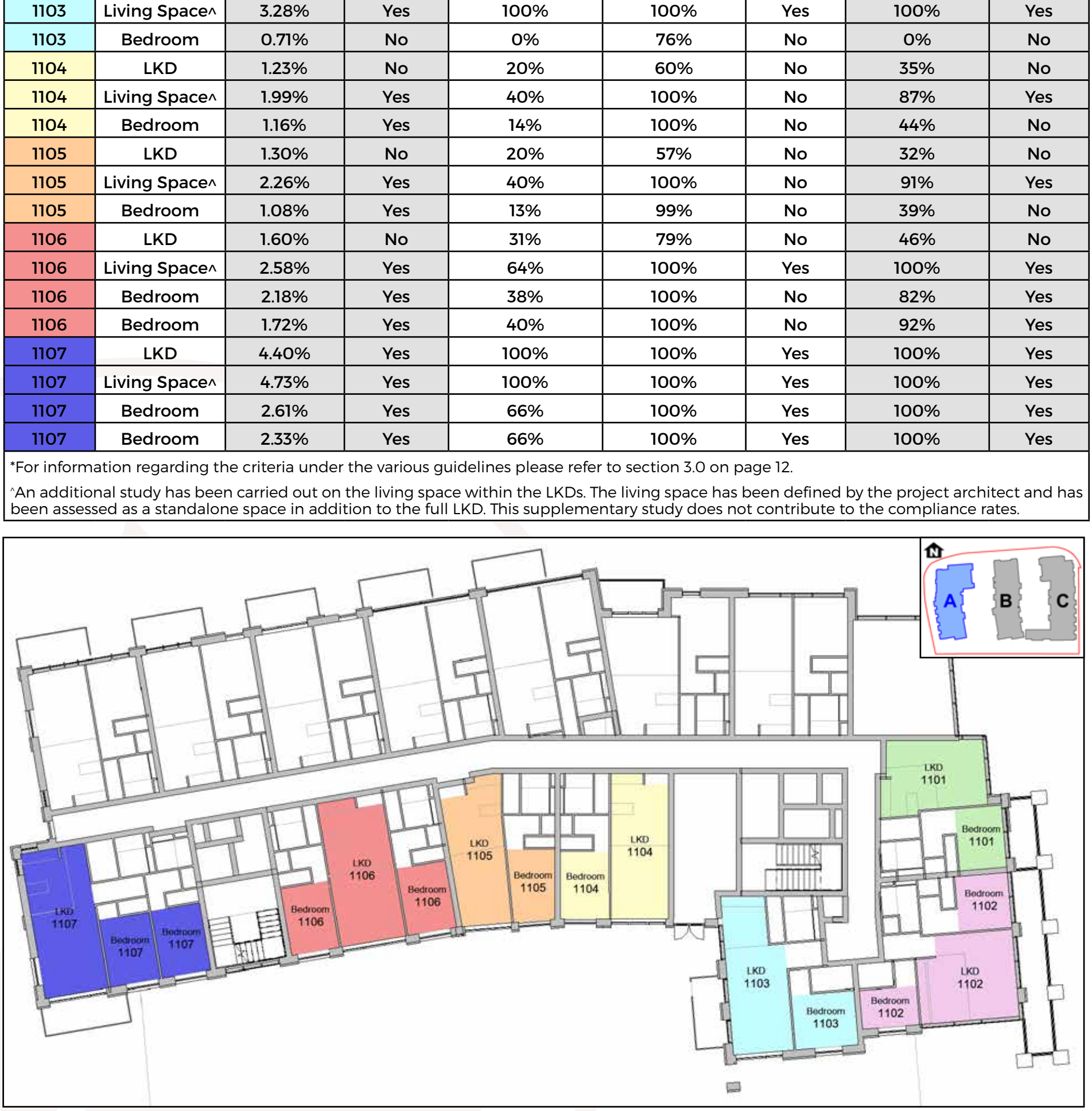


Figure 7.56: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.3 Block A - Level 01

Table No. 7.57: Alternative Daylight Standards Results: Block A - Level 01

Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
1108	LKD	6.25%	Yes	100%	100%	Yes	100%	Yes
1108	Living Space^	8.46%	Yes	100%	100%	Yes	100%	Yes
1108	Bedroom	3.52%	Yes	100%	100%	Yes	100%	Yes
1109	LKD	3.24%	Yes	78%	100%	Yes	100%	Yes
1109	Living Space^	4.84%	Yes	100%	100%	Yes	100%	Yes
1109	Bedroom	3.03%	Yes	100%	100%	Yes	100%	Yes
1110	LKD	2.98%	Yes	74%	100%	Yes	100%	Yes
1110	Living Space^	4.46%	Yes	100%	100%	Yes	100%	Yes
1110	Bedroom	3.05%	Yes	100%	100%	Yes	100%	Yes
1111	LKD	3.50%	Yes	82%	100%	Yes	100%	Yes
1111	Living Space^	5.22%	Yes	100%	100%	Yes	100%	Yes
1111	Bedroom	3.45%	Yes	100%	100%	Yes	100%	Yes
1112	LKD	3.03%	Yes	71%	100%	Yes	94%	Yes
1112	Living Space^	4.83%	Yes	100%	100%	Yes	100%	Yes
1112	Bedroom	3.32%	Yes	100%	100%	Yes	100%	Yes
1113	LKD	2.24%	Yes	67%	100%	Yes	98%	Yes
1113	Living Space^	3.17%	Yes	99%	100%	Yes	100%	Yes
1113	Bedroom	1.80%	Yes	46%	100%	No	97%	Yes
1114	LKD	2.55%	Yes	60%	100%	Yes	82%	Yes
1114	Living Space^	3.79%	Yes	100%	100%	Yes	100%	Yes
1114	Bedroom	4.97%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

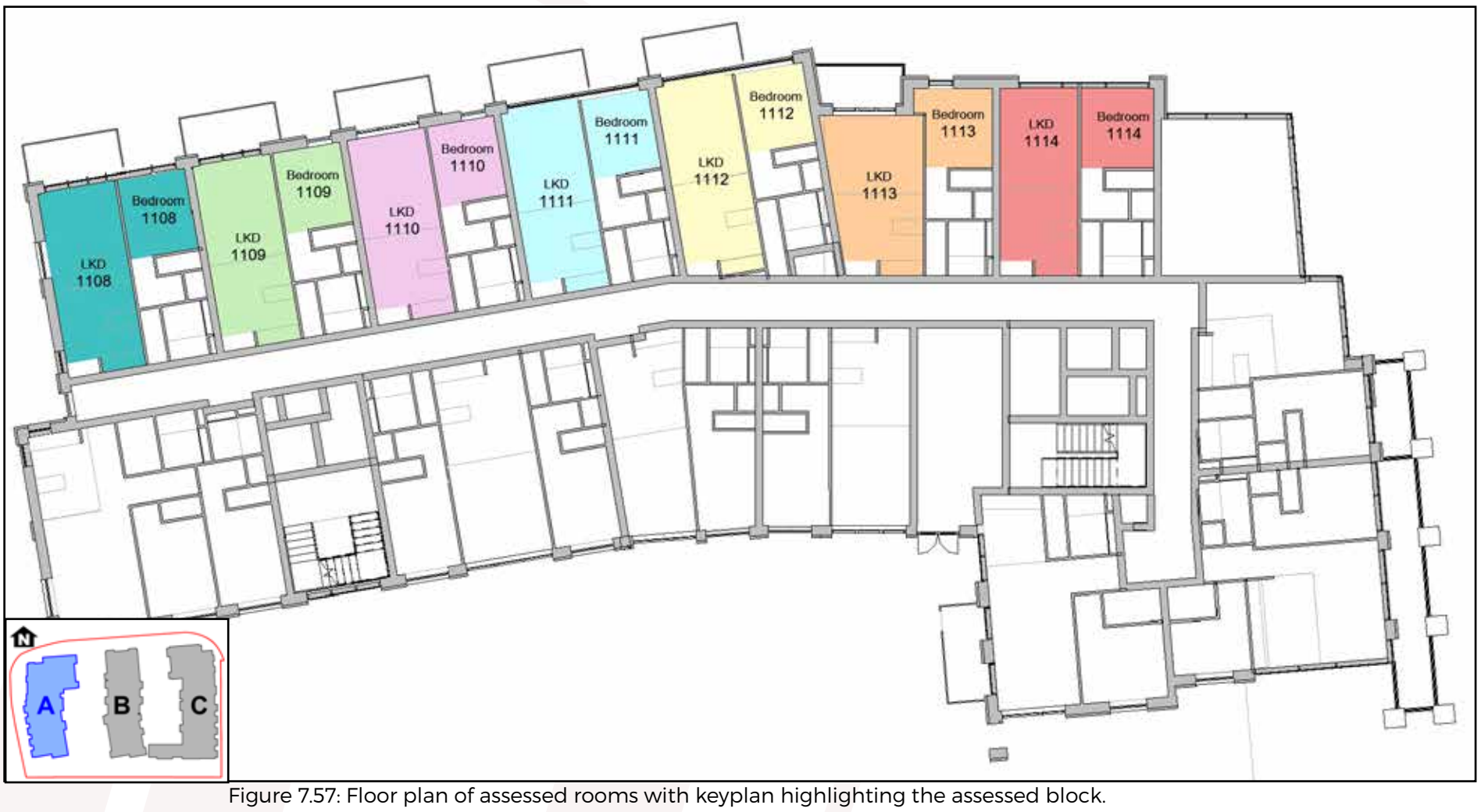


Figure 7.57: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.4 Block A - Level 02

Table No. 7.58: Alternative Daylight Standards Results: Block A - Level 02								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
1201	LKD	2.80%	Yes	52%	93%	No	65%	Yes
1201	Living Space^	2.54%	Yes	49%	100%	No	86%	Yes
1201	Bedroom	4.00%	Yes	98%	100%	Yes	100%	Yes
1201	Bedroom	1.29%	Yes	20%	100%	No	51%	Yes
1202	LKD	5.21%	Yes	99%	100%	Yes	100%	Yes
1202	Living Space^	6.14%	Yes	100%	100%	Yes	100%	Yes
1202	Bedroom	1.25%	Yes	17%	100%	No	28%	No
1202	Bedroom	1.95%	Yes	35%	100%	No	75%	Yes
1203	LKD	3.58%	Yes	100%	100%	Yes	100%	Yes
1203	Living Space^	3.22%	Yes	100%	100%	Yes	100%	Yes
1203	Bedroom	1.94%	Yes	32%	100%	No	95%	Yes
1204	LKD	1.80%	No	31%	96%	No	49%	No
1204	Living Space^	2.27%	Yes	45%	97%	No	88%	Yes
1204	Bedroom	3.12%	Yes	100%	100%	Yes	100%	Yes
1205	LKD	1.40%	No	24%	65%	No	38%	No
1205	Living Space^	2.21%	Yes	46%	100%	No	99%	Yes
1205	Bedroom	1.08%	Yes	19%	100%	No	43%	No
1206	LKD	1.41%	No	22%	60%	No	36%	No
1206	Living Space^	2.42%	Yes	48%	100%	No	97%	Yes
1206	Bedroom	1.12%	Yes	19%	100%	No	42%	No
1207	LKD	1.79%	No	37%	82%	No	51%	Yes
1207	Living Space^	2.98%	Yes	74%	100%	Yes	100%	Yes
1207	Bedroom	1.60%	Yes	38%	100%	No	72%	Yes
1207	Bedroom	2.62%	Yes	52%	100%	Yes	98%	Yes
1208	LKD	4.62%	Yes	100%	100%	Yes	100%	Yes
1208	Living Space^	4.97%	Yes	100%	100%	Yes	100%	Yes
1208	Bedroom	3.05%	Yes	88%	100%	Yes	100%	Yes
1208	Bedroom	2.74%	Yes	90%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

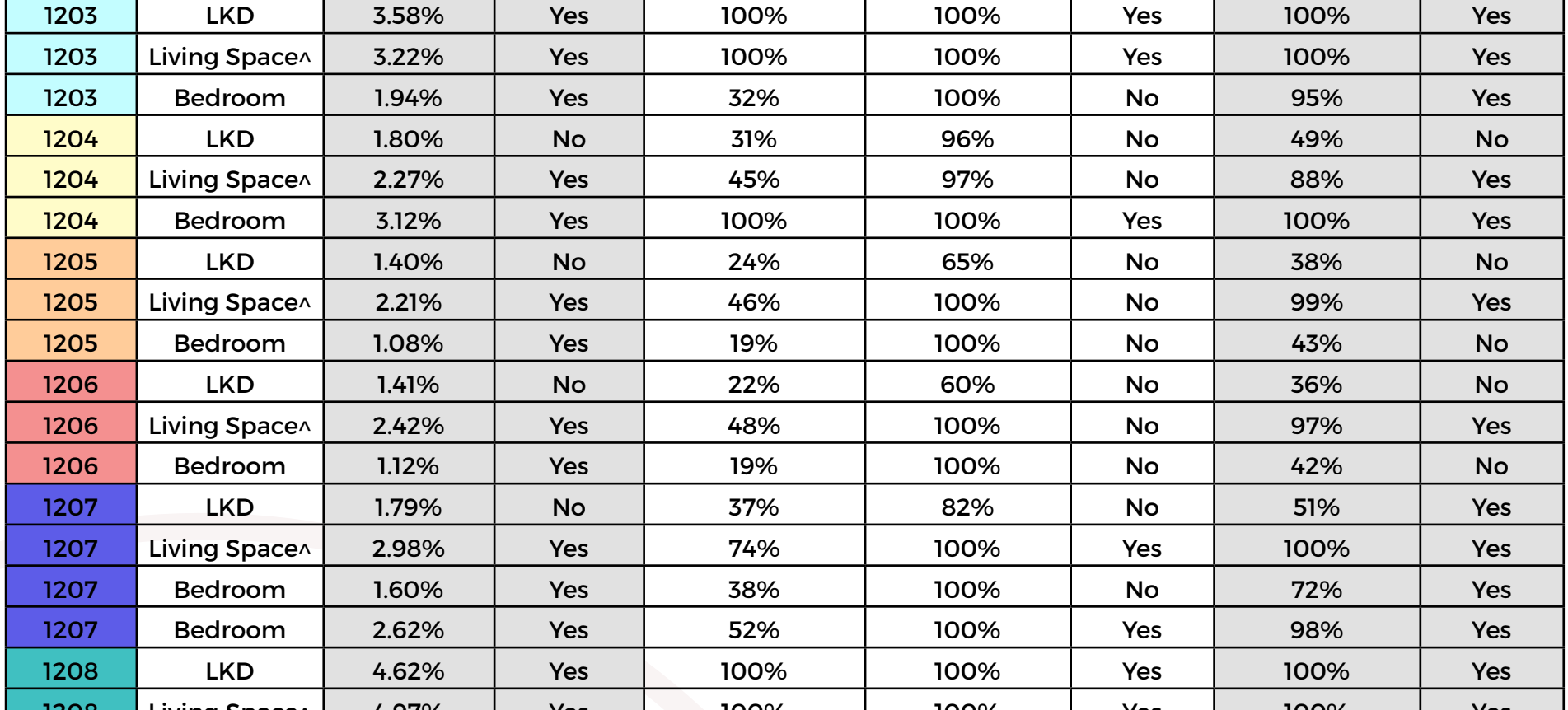


Figure 7.58: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.5 Block A - Level 02

Table No. 7.59: Alternative Daylight Standards Results: Block A - Level 02								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
1209	LKD	6.75%	Yes	100%	100%	Yes	100%	Yes
1209	Living Space^	9.24%	Yes	100%	100%	Yes	100%	Yes
1209	Bedroom	2.66%	Yes	100%	100%	Yes	100%	Yes
1210	LKD	3.66%	Yes	83%	100%	Yes	100%	Yes
1210	Living Space^	5.55%	Yes	100%	100%	Yes	100%	Yes
1210	Bedroom	2.62%	Yes	100%	100%	Yes	100%	Yes
1211	LKD	3.64%	Yes	81%	100%	Yes	100%	Yes
1211	Living Space^	5.51%	Yes	100%	100%	Yes	100%	Yes
1211	Bedroom	2.60%	Yes	100%	100%	Yes	100%	Yes
1212	LKD	3.62%	Yes	81%	100%	Yes	100%	Yes
1212	Living Space^	5.49%	Yes	100%	100%	Yes	100%	Yes
1212	Bedroom	2.60%	Yes	100%	100%	Yes	100%	Yes
1213	LKD	3.44%	Yes	74%	100%	Yes	100%	Yes
1213	Living Space^	5.49%	Yes	100%	100%	Yes	100%	Yes
1213	Bedroom	2.65%	Yes	100%	100%	Yes	100%	Yes
1214	LKD	2.27%	Yes	72%	100%	Yes	100%	Yes
1214	Living Space^	3.18%	Yes	98%	100%	Yes	100%	Yes
1214	Bedroom	3.13%	Yes	76%	98%	Yes	91%	Yes
1215	LKD	2.06%	Yes	63%	100%	Yes	96%	Yes
1215	Living Space^	2.95%	Yes	100%	100%	Yes	100%	Yes
1215	Bedroom	7.14%	Yes	100%	100%	Yes	100%	Yes
1216	LKD	6.70%	Yes	100%	100%	Yes	100%	Yes
1216	Living Space^	7.75%	Yes	100%	100%	Yes	100%	Yes
1216	Bedroom	4.94%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

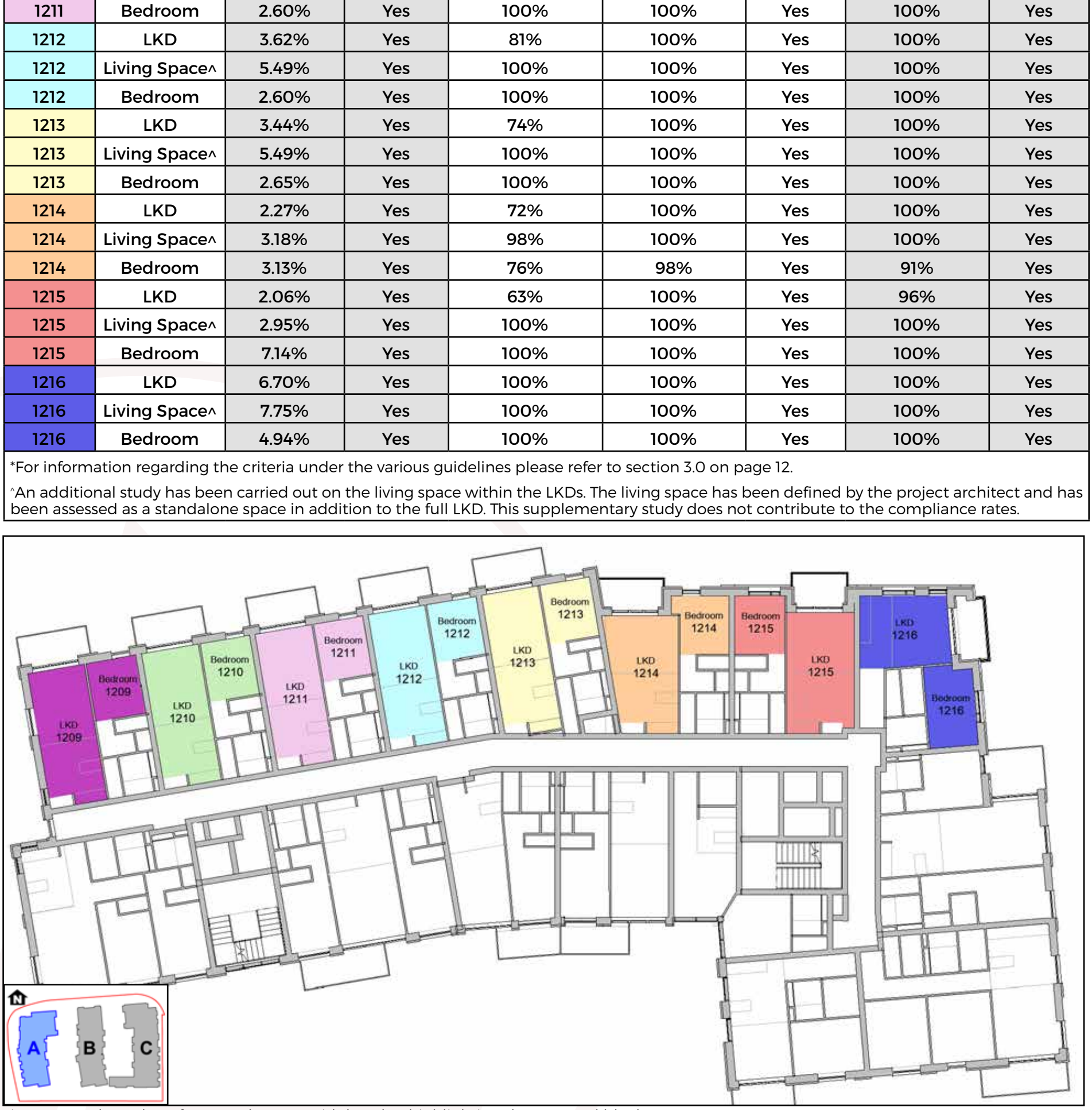


Figure 7.59: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.6 Block A - Level 03

Table No. 7.60: Alternative Daylight Standards Results: Block A - Level 03								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
1301	LKD	2.78%	Yes	53%	96%	Yes	66%	Yes
1301	Living Space^	2.48%	Yes	54%	100%	Yes	91%	Yes
1301	Bedroom	3.89%	Yes	100%	100%	Yes	100%	Yes
1301	Bedroom	1.33%	Yes	22%	100%	No	65%	Yes
1302	LKD	5.14%	Yes	100%	100%	Yes	100%	Yes
1302	Living Space^	6.07%	Yes	100%	100%	Yes	100%	Yes
1302	Bedroom	1.27%	Yes	19%	100%	No	29%	No
1302	Bedroom	1.95%	Yes	36%	100%	No	79%	Yes
1303	LKD	3.75%	Yes	100%	100%	Yes	100%	Yes
1303	Living Space^	3.30%	Yes	100%	100%	Yes	100%	Yes
1303	Bedroom	1.91%	Yes	32%	100%	No	91%	Yes
1304	LKD	2.04%	Yes	38%	100%	No	57%	Yes
1304	Living Space^	2.63%	Yes	54%	100%	Yes	91%	Yes
1304	Bedroom	3.15%	Yes	100%	100%	Yes	100%	Yes
1305	LKD	1.47%	No	28%	68%	No	41%	No
1305	Living Space^	2.72%	Yes	57%	100%	Yes	100%	Yes
1305	Bedroom	1.38%	Yes	32%	100%	No	60%	Yes
1306	LKD	1.60%	No	27%	65%	No	39%	No
1306	Living Space^	2.90%	Yes	57%	100%	Yes	100%	Yes
1306	Bedroom	1.33%	Yes	28%	100%	No	54%	Yes
1307	LKD	1.82%	No	38%	83%	No	52%	Yes
1307	Living Space^	3.03%	Yes	77%	100%	Yes	100%	Yes
1307	Bedroom	1.53%	Yes	26%	96%	No	46%	No
1307	Bedroom	1.25%	Yes	21%	100%	No	48%	No
1308	LKD	5.27%	Yes	100%	100%	Yes	100%	Yes
1308	Living Space^	5.68%	Yes	100%	100%	Yes	100%	Yes
1308	Bedroom	1.98%	Yes	44%	100%	No	73%	Yes
1308	Bedroom	1.61%	Yes	27%	100%	No	57%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.60: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.7 Block A - Level 03

Table No. 7.61: Alternative Daylight Standards Results: Block A - Level 03

Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
1309	LKD	2.94%	Yes	82%	100%	Yes	100%	Yes
1309	Living Space^	4.39%	Yes	100%	100%	Yes	100%	Yes
1309	Bedroom	8.23%	Yes	100%	100%	Yes	100%	Yes
1310	LKD	2.90%	Yes	82%	100%	Yes	100%	Yes
1310	Living Space^	4.33%	Yes	100%	100%	Yes	100%	Yes
1310	Bedroom	3.26%	Yes	100%	100%	Yes	100%	Yes
1311	LKD	2.87%	Yes	80%	100%	Yes	100%	Yes
1311	Living Space^	4.30%	Yes	100%	100%	Yes	100%	Yes
1311	Bedroom	3.24%	Yes	100%	100%	Yes	100%	Yes
1312	LKD	2.86%	Yes	80%	100%	Yes	100%	Yes
1312	Living Space^	4.30%	Yes	100%	100%	Yes	100%	Yes
1312	Bedroom	3.23%	Yes	100%	100%	Yes	100%	Yes
1313	LKD	2.86%	Yes	78%	100%	Yes	100%	Yes
1313	Living Space^	4.32%	Yes	100%	100%	Yes	100%	Yes
1313	Bedroom	3.07%	Yes	100%	100%	Yes	100%	Yes
1314	LKD	2.21%	Yes	77%	100%	Yes	100%	Yes
1314	Living Space^	3.06%	Yes	100%	100%	Yes	100%	Yes
1314	Bedroom	3.34%	Yes	78%	99%	Yes	94%	Yes
1315	LKD	2.08%	Yes	65%	100%	Yes	97%	Yes
1315	Living Space^	2.98%	Yes	100%	100%	Yes	100%	Yes
1315	Bedroom	7.29%	Yes	100%	100%	Yes	100%	Yes
1316	LKD	7.20%	Yes	100%	100%	Yes	100%	Yes
1316	Living Space^	8.29%	Yes	100%	100%	Yes	100%	Yes
1316	Bedroom	5.12%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

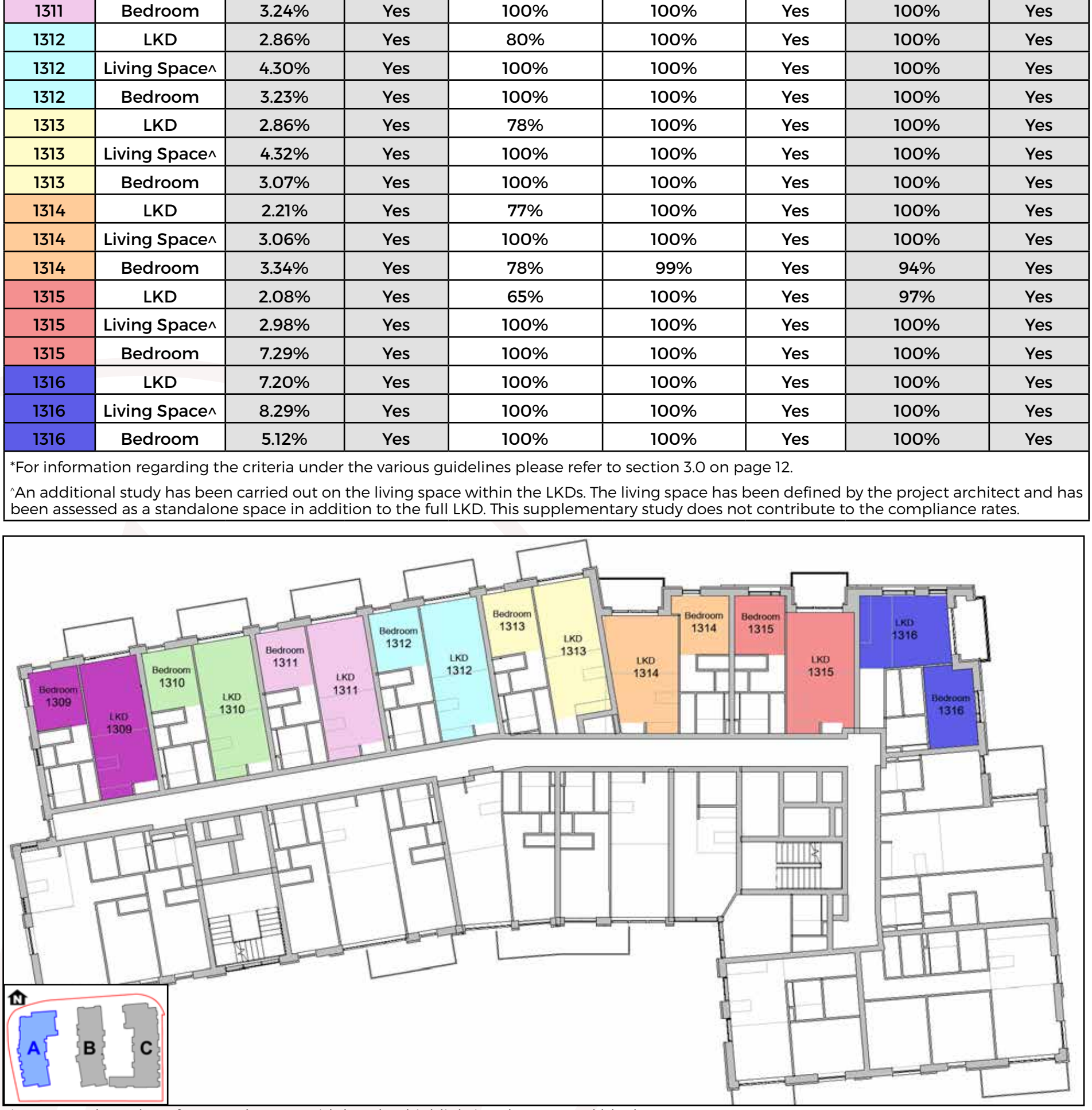


Figure 7.61: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.8 Block A - Level 04

Table No. 7.62: Alternative Daylight Standards Results: Block A - Level 04								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
1401	LKD	2.58%	Yes	51%	95%	No	64%	Yes
1401	Living Space^	2.48%	Yes	48%	100%	No	90%	Yes
1401	Bedroom	4.09%	Yes	100%	100%	Yes	100%	Yes
1401	Bedroom	1.40%	Yes	23%	100%	No	77%	Yes
1402	LKD	5.45%	Yes	100%	100%	Yes	100%	Yes
1402	Living Space^	6.07%	Yes	100%	100%	Yes	100%	Yes
1402	Bedroom	1.30%	Yes	16%	99%	No	25%	No
1402	Bedroom	1.95%	Yes	28%	100%	No	60%	Yes
1403	LKD	4.07%	Yes	100%	100%	Yes	100%	Yes
1403	Living Space^	3.56%	Yes	100%	100%	Yes	100%	Yes
1403	Bedroom	2.21%	Yes	40%	100%	No	97%	Yes
1404	LKD	2.32%	Yes	45%	100%	No	62%	Yes
1404	Living Space^	3.03%	Yes	68%	100%	Yes	94%	Yes
1404	Bedroom	3.50%	Yes	100%	100%	Yes	100%	Yes
1405	LKD	1.71%	No	33%	73%	No	46%	No
1405	Living Space^	3.08%	Yes	67%	100%	Yes	100%	Yes
1405	Bedroom	1.69%	Yes	45%	100%	No	74%	Yes
1406	LKD	1.78%	No	31%	68%	No	42%	No
1406	Living Space^	3.22%	Yes	66%	100%	Yes	100%	Yes
1406	Bedroom	1.63%	Yes	41%	100%	No	62%	Yes
1407	LKD	2.08%	Yes	42%	91%	No	57%	Yes
1407	Living Space^	3.49%	Yes	86%	100%	Yes	100%	Yes
1407	Bedroom	1.11%	Yes	18%	98%	No	42%	No
1407	Bedroom	1.85%	Yes	34%	100%	No	60%	Yes
1408	LKD	5.39%	Yes	100%	100%	Yes	100%	Yes
1408	Living Space^	5.83%	Yes	100%	100%	Yes	100%	Yes
1408	Bedroom	2.17%	Yes	55%	100%	Yes	83%	Yes
1408	Bedroom	1.79%	Yes	34%	100%	No	70%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

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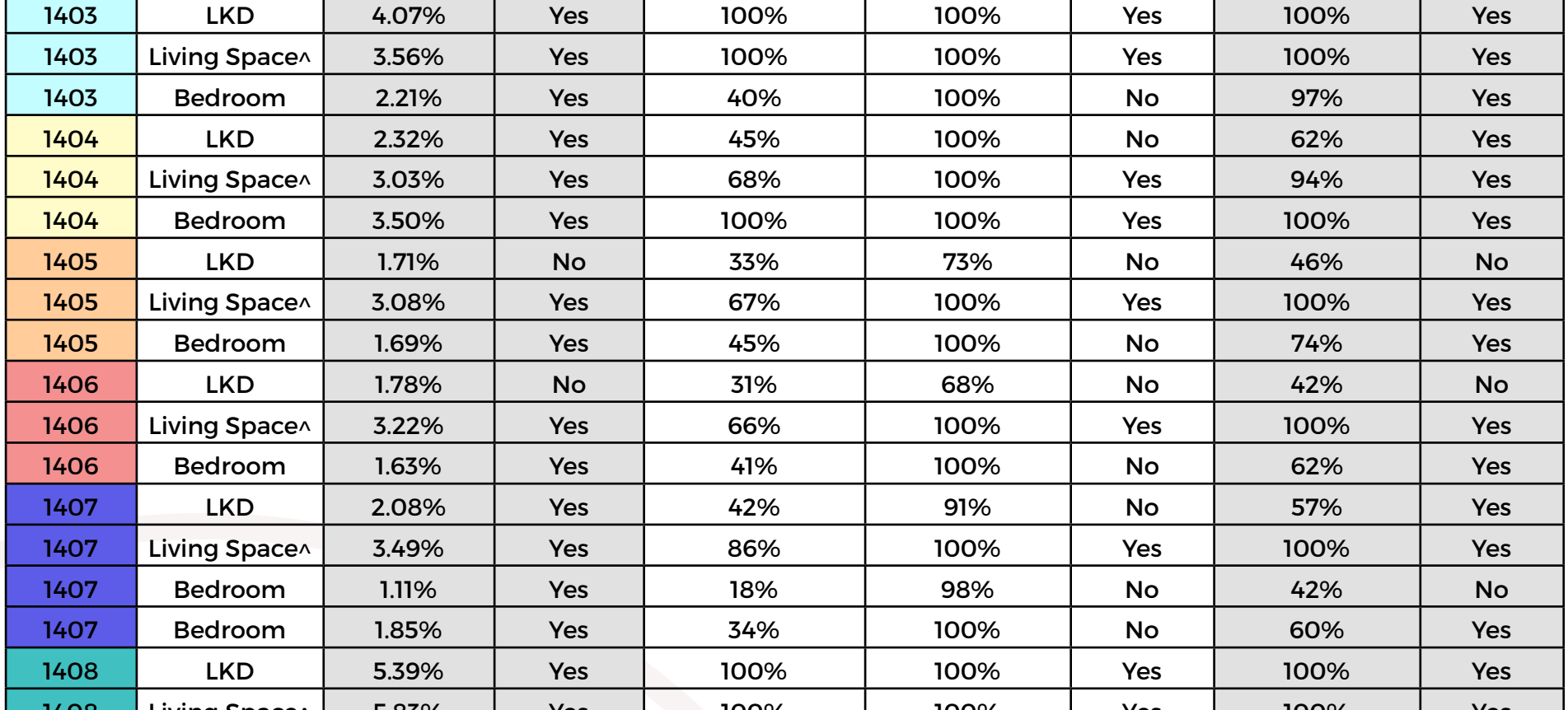

Figure 7.62: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.9 Block A - Level 04

Table No. 7.63: Alternative Daylight Standards Results: Block A - Level 04								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
1409	LKD	3.44%	Yes	88%	100%	Yes	100%	Yes
1409	Living Space^	5.25%	Yes	100%	100%	Yes	100%	Yes
1409	Bedroom	7.60%	Yes	100%	100%	Yes	100%	Yes
1410	LKD	3.40%	Yes	87%	100%	Yes	100%	Yes
1410	Living Space^	5.15%	Yes	100%	100%	Yes	100%	Yes
1410	Bedroom	2.75%	Yes	100%	100%	Yes	100%	Yes
1411	LKD	3.37%	Yes	85%	100%	Yes	100%	Yes
1411	Living Space^	5.16%	Yes	100%	100%	Yes	100%	Yes
1411	Bedroom	2.71%	Yes	100%	100%	Yes	100%	Yes
1412	LKD	3.36%	Yes	85%	100%	Yes	100%	Yes
1412	Living Space^	5.16%	Yes	100%	100%	Yes	100%	Yes
1412	Bedroom	2.70%	Yes	100%	100%	Yes	100%	Yes
1413	LKD	3.48%	Yes	83%	100%	Yes	100%	Yes
1413	Living Space^	5.39%	Yes	100%	100%	Yes	100%	Yes
1413	Bedroom	2.54%	Yes	100%	100%	Yes	100%	Yes
1414	LKD	2.31%	Yes	78%	100%	Yes	100%	Yes
1414	Living Space^	3.24%	Yes	100%	100%	Yes	100%	Yes
1414	Bedroom	3.19%	Yes	77%	98%	Yes	93%	Yes
1415	LKD	2.09%	Yes	66%	100%	Yes	99%	Yes
1415	Living Space^	2.97%	Yes	100%	100%	Yes	100%	Yes
1415	Bedroom	6.91%	Yes	100%	100%	Yes	100%	Yes
1416	LKD	7.07%	Yes	100%	100%	Yes	100%	Yes
1416	Living Space^	8.08%	Yes	100%	100%	Yes	100%	Yes
1416	Bedroom	5.16%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.63: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.10 Block A - Level 05

Table No. 7.64: Alternative Daylight Standards Results: Block A - Level 05								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
1501	LKD	2.70%	Yes	54%	99%	Yes	68%	Yes
1501	Living Space^	2.46%	Yes	52%	100%	Yes	94%	Yes
1501	Bedroom	3.93%	Yes	100%	100%	Yes	100%	Yes
1501	Bedroom	1.44%	Yes	30%	100%	No	81%	Yes
1502	LKD	5.45%	Yes	100%	100%	Yes	100%	Yes
1502	Living Space^	6.16%	Yes	100%	100%	Yes	100%	Yes
1502	Bedroom	1.40%	Yes	20%	100%	No	33%	No
1502	Bedroom	2.10%	Yes	35%	100%	No	75%	Yes
1503	LKD	4.55%	Yes	100%	100%	Yes	100%	Yes
1503	Living Space^	4.23%	Yes	100%	100%	Yes	100%	Yes
1503	Bedroom	2.40%	Yes	52%	100%	Yes	97%	Yes
1504	LKD	2.61%	Yes	55%	100%	Yes	70%	Yes
1504	Living Space^	3.41%	Yes	83%	100%	Yes	98%	Yes
1504	Bedroom	3.51%	Yes	100%	100%	Yes	100%	Yes
1505	LKD	2.11%	Yes	40%	79%	No	54%	Yes
1505	Living Space^	3.65%	Yes	80%	100%	Yes	100%	Yes
1505	Bedroom	2.05%	Yes	63%	100%	Yes	98%	Yes
1506	LKD	2.10%	Yes	36%	73%	No	47%	No
1506	Living Space^	3.82%	Yes	76%	100%	Yes	100%	Yes
1506	Bedroom	2.04%	Yes	54%	100%	Yes	85%	Yes
1507	LKD	2.44%	Yes	49%	99%	No	63%	Yes
1507	Living Space^	4.11%	Yes	100%	100%	Yes	100%	Yes
1507	Bedroom	1.96%	Yes	34%	100%	No	62%	Yes
1507	Bedroom	1.42%	Yes	29%	100%	No	62%	Yes
1508	LKD	5.14%	Yes	100%	100%	Yes	100%	Yes
1508	Living Space^	5.65%	Yes	100%	100%	Yes	100%	Yes
1508	Bedroom	2.39%	Yes	62%	100%	Yes	96%	Yes
1508	Bedroom	1.99%	Yes	38%	100%	No	84%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

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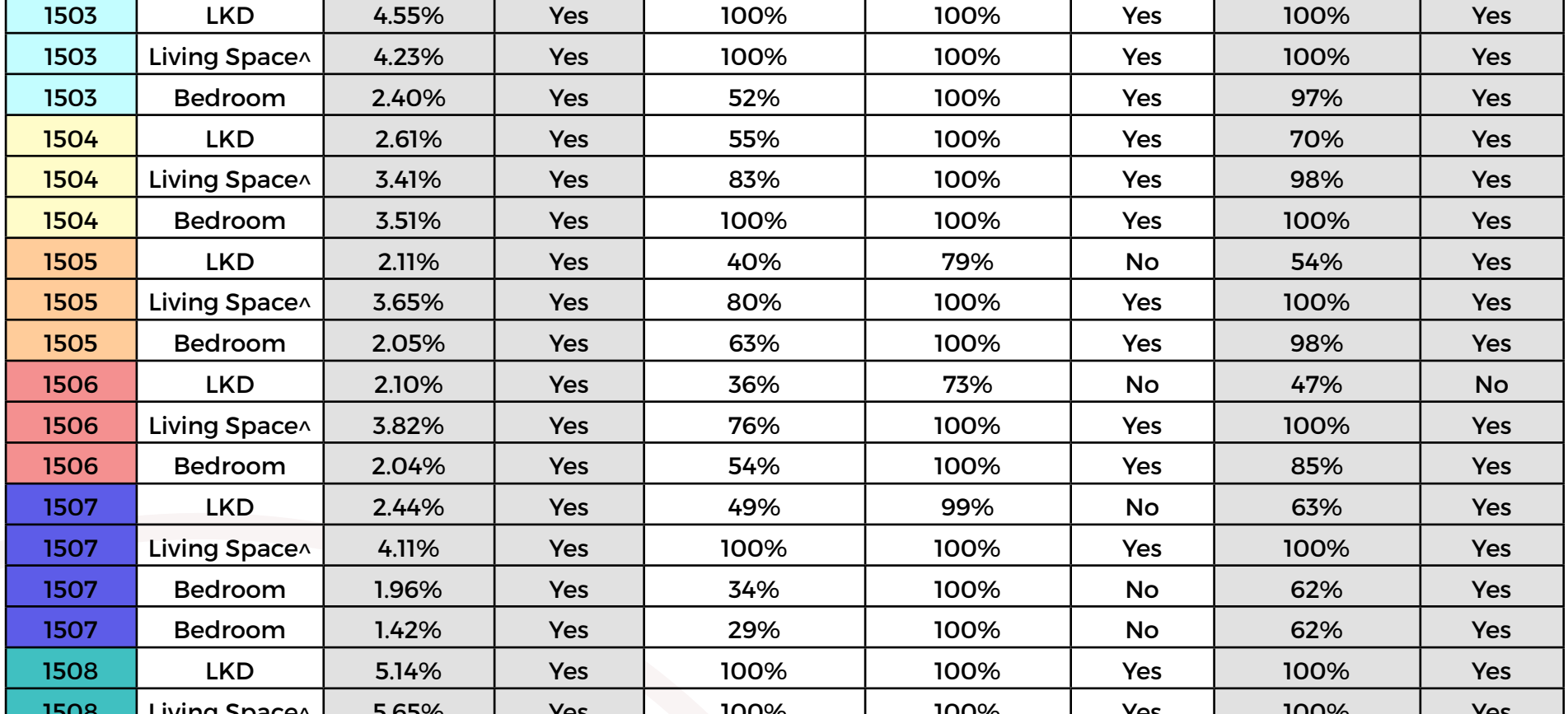

Figure 7.64: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.11 Block A - Level 05

Table No. 7.65: Alternative Daylight Standards Results: Block A - Level 05								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
1509	LKD	6.05%	Yes	100%	100%	Yes	100%	Yes
1509	Living Space^	8.08%	Yes	100%	100%	Yes	100%	Yes
1509	Bedroom	3.21%	Yes	100%	100%	Yes	100%	Yes
1510	LKD	2.98%	Yes	84%	100%	Yes	100%	Yes
1510	Living Space^	4.42%	Yes	100%	100%	Yes	100%	Yes
1510	Bedroom	3.20%	Yes	100%	100%	Yes	100%	Yes
1511	LKD	2.96%	Yes	86%	100%	Yes	100%	Yes
1511	Living Space^	4.40%	Yes	100%	100%	Yes	100%	Yes
1511	Bedroom	3.19%	Yes	100%	100%	Yes	100%	Yes
1512	LKD	2.96%	Yes	85%	100%	Yes	100%	Yes
1512	Living Space^	4.39%	Yes	100%	100%	Yes	100%	Yes
1512	Bedroom	3.19%	Yes	100%	100%	Yes	100%	Yes
1513	LKD	2.82%	Yes	77%	100%	Yes	100%	Yes
1513	Living Space^	4.39%	Yes	100%	100%	Yes	100%	Yes
1513	Bedroom	3.32%	Yes	100%	100%	Yes	100%	Yes
1514	LKD	2.28%	Yes	81%	100%	Yes	100%	Yes
1514	Living Space^	3.14%	Yes	100%	100%	Yes	100%	Yes
1514	Bedroom	3.39%	Yes	82%	99%	Yes	95%	Yes
1515	LKD	2.10%	Yes	69%	100%	Yes	100%	Yes
1515	Living Space^	2.97%	Yes	100%	100%	Yes	100%	Yes
1515	Bedroom	7.15%	Yes	100%	100%	Yes	100%	Yes
1516	LKD	7.30%	Yes	100%	100%	Yes	100%	Yes
1516	Living Space^	8.37%	Yes	100%	100%	Yes	100%	Yes
1516	Bedroom	5.21%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

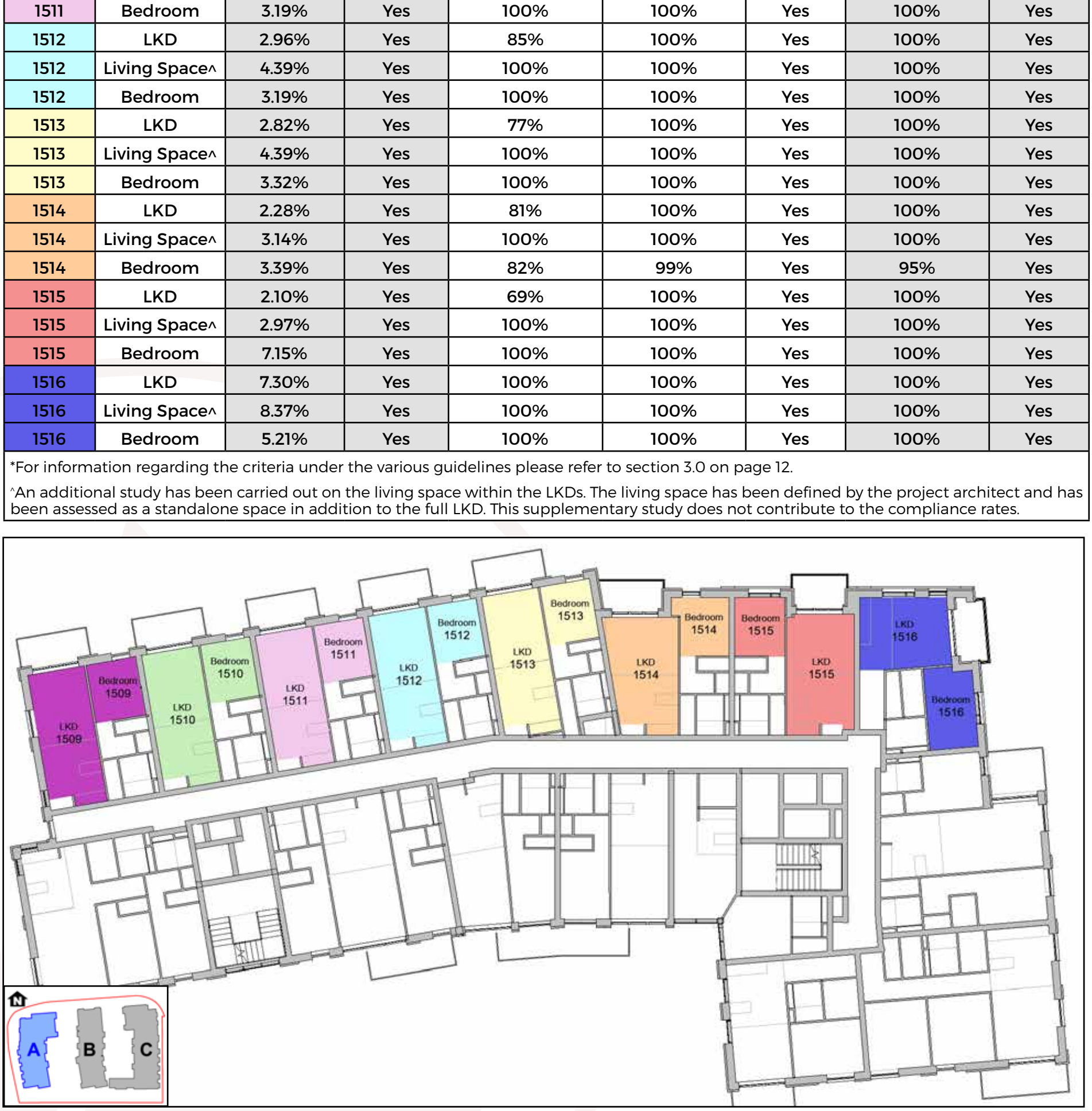

Figure 7.65: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.12 Block A - Level 06

Table No. 7.66: Alternative Daylight Standards Results: Block A - Level 06								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
1601	LKD	2.96%	Yes	59%	100%	Yes	74%	Yes
1601	Living Space^	2.63%	Yes	60%	100%	Yes	100%	Yes
1601	Bedroom	4.16%	Yes	100%	100%	Yes	100%	Yes
1601	Bedroom	1.45%	Yes	30%	100%	No	85%	Yes
1602	LKD	5.74%	Yes	100%	100%	Yes	100%	Yes
1602	Living Space^	6.97%	Yes	100%	100%	Yes	100%	Yes
1602	Bedroom	1.92%	Yes	39%	100%	No	71%	Yes
1602	Bedroom	3.02%	Yes	75%	100%	Yes	100%	Yes
1603	LKD	5.19%	Yes	100%	100%	Yes	100%	Yes
1603	Living Space^	5.21%	Yes	100%	100%	Yes	100%	Yes
1603	Bedroom	3.17%	Yes	97%	100%	Yes	100%	Yes
1604	LKD	2.91%	Yes	64%	100%	Yes	86%	Yes
1604	Living Space^	3.77%	Yes	87%	100%	Yes	100%	Yes
1604	Bedroom	3.76%	Yes	100%	100%	Yes	100%	Yes
1605	LKD	2.61%	Yes	49%	96%	No	63%	Yes
1605	Living Space^	4.67%	Yes	100%	100%	Yes	100%	Yes
1605	Bedroom	3.99%	Yes	100%	100%	Yes	100%	Yes
1606	LKD	2.78%	Yes	45%	90%	No	58%	Yes
1606	Living Space^	5.08%	Yes	99%	100%	Yes	100%	Yes
1606	Bedroom	4.00%	Yes	91%	100%	Yes	100%	Yes
1607	LKD	3.59%	Yes	60%	100%	Yes	77%	Yes
1607	Living Space^	6.09%	Yes	100%	100%	Yes	100%	Yes
1607	Bedroom	2.28%	Yes	48%	100%	No	92%	Yes
1607	Bedroom	2.39%	Yes	57%	100%	Yes	95%	Yes
1608	LKD	6.37%	Yes	100%	100%	Yes	100%	Yes
1608	Living Space^	7.30%	Yes	100%	100%	Yes	100%	Yes
1608	Bedroom	2.58%	Yes	68%	100%	Yes	100%	Yes
1608	Bedroom	2.19%	Yes	50%	100%	Yes	95%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

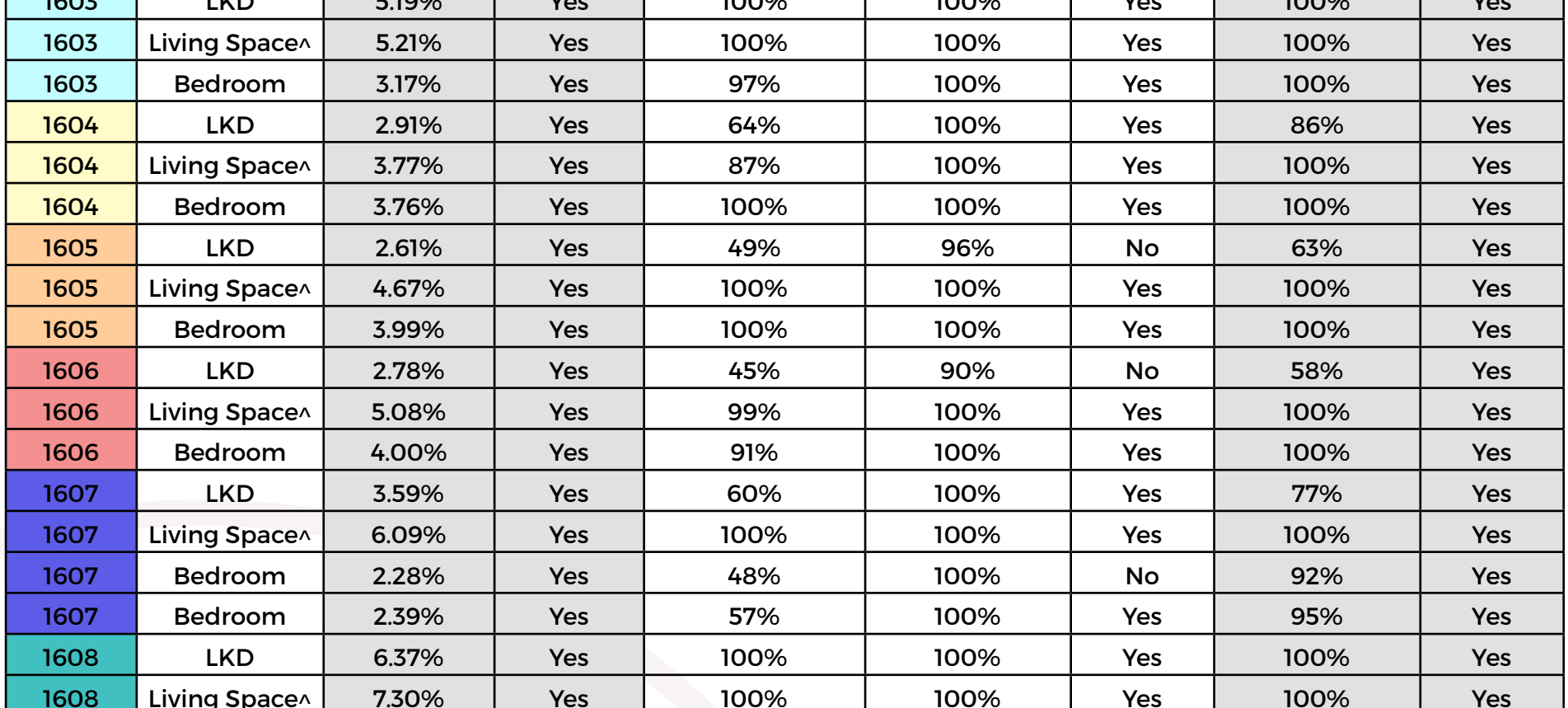

Figure 7.66: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.13 Block A - Level 06

Table No. 7.67: Alternative Daylight Standards Results: Block A - Level 06								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
1609	LKD	6.94%	Yes	100%	100%	Yes	100%	Yes
1609	Living Space^	9.60%	Yes	100%	100%	Yes	100%	Yes
1609	Bedroom	3.43%	Yes	100%	100%	Yes	100%	Yes
1610	LKD	3.94%	Yes	97%	100%	Yes	100%	Yes
1610	Living Space^	6.04%	Yes	100%	100%	Yes	100%	Yes
1610	Bedroom	3.43%	Yes	100%	100%	Yes	100%	Yes
1611	LKD	3.93%	Yes	98%	100%	Yes	100%	Yes
1611	Living Space^	6.02%	Yes	100%	100%	Yes	100%	Yes
1611	Bedroom	3.43%	Yes	100%	100%	Yes	100%	Yes
1612	LKD	3.93%	Yes	97%	100%	Yes	100%	Yes
1612	Living Space^	6.04%	Yes	100%	100%	Yes	100%	Yes
1612	Bedroom	3.43%	Yes	100%	100%	Yes	100%	Yes
1613	LKD	3.71%	Yes	86%	100%	Yes	100%	Yes
1613	Living Space^	5.98%	Yes	100%	100%	Yes	100%	Yes
1613	Bedroom	3.40%	Yes	100%	100%	Yes	100%	Yes
1614	LKD	2.30%	Yes	83%	100%	Yes	100%	Yes
1614	Living Space^	3.17%	Yes	100%	100%	Yes	100%	Yes
1614	Bedroom	3.24%	Yes	77%	99%	Yes	94%	Yes
1615	LKD	2.12%	Yes	69%	100%	Yes	100%	Yes
1615	Living Space^	2.99%	Yes	100%	100%	Yes	100%	Yes
1615	Bedroom	7.01%	Yes	100%	100%	Yes	100%	Yes
1616	LKD	7.18%	Yes	100%	100%	Yes	100%	Yes
1616	Living Space^	8.15%	Yes	100%	100%	Yes	100%	Yes
1616	Bedroom	5.14%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

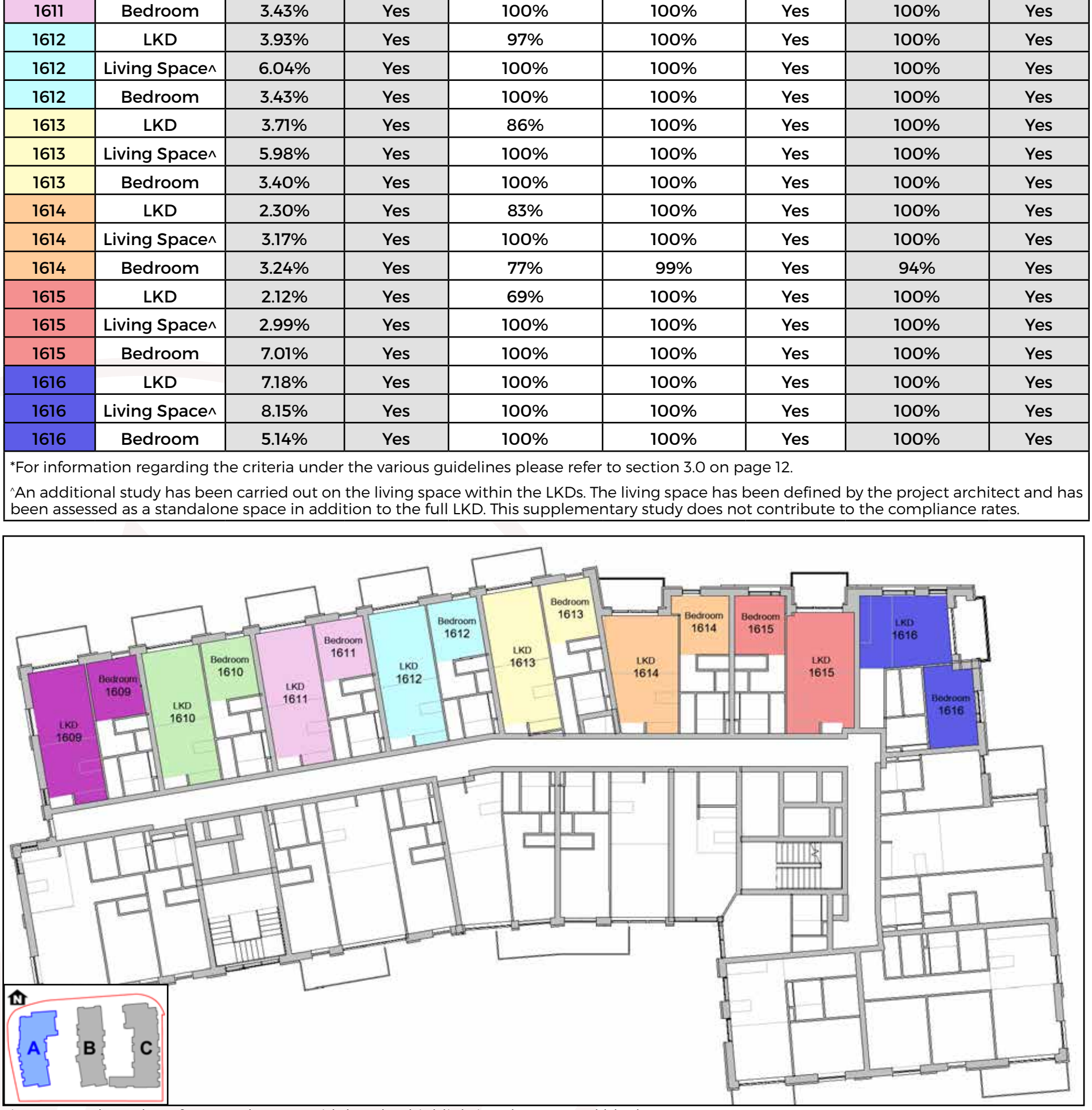

Figure 7.67: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.14 Block A - Level 07

Table No. 7.68: Alternative Daylight Standards Results: Block A - Level 07								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
1701	LKD	2.92%	Yes	59%	100%	Yes	74%	Yes
1701	Living Space^	2.53%	Yes	59%	100%	Yes	100%	Yes
1701	Bedroom	4.00%	Yes	100%	100%	Yes	100%	Yes
1701	Bedroom	1.47%	Yes	32%	100%	No	88%	Yes
1702	LKD	5.84%	Yes	100%	100%	Yes	100%	Yes
1702	Living Space^	7.21%	Yes	100%	100%	Yes	100%	Yes
1702	Bedroom	2.08%	Yes	48%	100%	No	96%	Yes
1702	Bedroom	3.26%	Yes	100%	100%	Yes	100%	Yes
1703	LKD	4.84%	Yes	100%	100%	Yes	100%	Yes
1703	Living Space^	5.50%	Yes	100%	100%	Yes	100%	Yes
1703	Bedroom	2.85%	Yes	76%	100%	Yes	100%	Yes
1704	LKD	3.36%	Yes	64%	100%	Yes	90%	Yes
1704	Living Space^	5.16%	Yes	100%	100%	Yes	100%	Yes
1704	Bedroom	4.39%	Yes	100%	100%	Yes	100%	Yes
1705	LKD	2.56%	Yes	97%	100%	Yes	100%	Yes
1705	Living Space^	3.61%	Yes	100%	100%	Yes	100%	Yes
1705	Bedroom	3.97%	Yes	100%	100%	Yes	100%	Yes
1706	LKD	2.14%	Yes	72%	100%	Yes	100%	Yes
1706	Living Space^	3.05%	Yes	100%	100%	Yes	100%	Yes
1706	Bedroom	7.22%	Yes	100%	100%	Yes	100%	Yes
1707	LKD	7.36%	Yes	100%	100%	Yes	100%	Yes
1707	Living Space^	8.42%	Yes	100%	100%	Yes	100%	Yes
1707	Bedroom	5.34%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.68: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.15 Block A - Level 08

Table No. 7.69: Alternative Daylight Standards Results: Block A - Level 08								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
1801	LKD	3.56%	Yes	62%	100%	Yes	76%	Yes
1801	Living Space^	2.53%	Yes	56%	100%	Yes	100%	Yes
1801	Bedroom	4.19%	Yes	100%	100%	Yes	100%	Yes
1801	Bedroom	2.91%	Yes	72%	100%	Yes	99%	Yes
1802	LKD	7.09%	Yes	100%	100%	Yes	100%	Yes
1802	Living Space^	5.96%	Yes	100%	100%	Yes	100%	Yes
1802	Bedroom	2.08%	Yes	46%	100%	No	96%	Yes
1802	Bedroom	3.24%	Yes	98%	100%	Yes	100%	Yes
1803	LKD	5.60%	Yes	100%	100%	Yes	100%	Yes
1803	Living Space^	6.64%	Yes	100%	100%	Yes	100%	Yes
1803	Bedroom	3.33%	Yes	100%	100%	Yes	100%	Yes
1804	LKD	4.56%	Yes	100%	100%	Yes	100%	Yes
1804	Living Space^	7.36%	Yes	100%	100%	Yes	100%	Yes
1804	Bedroom	4.53%	Yes	100%	100%	Yes	100%	Yes
1805	LKD	6.34%	Yes	100%	100%	Yes	100%	Yes
1805	Living Space^	8.10%	Yes	100%	100%	Yes	100%	Yes
1805	Bedroom	3.72%	Yes	100%	100%	Yes	100%	Yes
1806	LKD	2.15%	Yes	70%	100%	Yes	100%	Yes
1806	Living Space^	5.99%	Yes	100%	100%	Yes	100%	Yes
1806	Bedroom	7.05%	Yes	100%	100%	Yes	100%	Yes
1807	LKD	7.30%	Yes	100%	100%	Yes	100%	Yes
1807	Living Space^	8.26%	Yes	100%	100%	Yes	100%	Yes
1807	Bedroom	5.38%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.69: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.16 Block A - Level 09

Table No. 7.70: Alternative Daylight Standards Results: Block A - Level 09								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
1901	LKD	8.84%	Yes	100%	100%	Yes	100%	Yes
1901	Living Space^	10.69%	Yes	100%	100%	Yes	100%	Yes
1901	Bedroom	2.86%	Yes	75%	100%	Yes	100%	Yes
1902	LKD	5.19%	Yes	100%	100%	Yes	100%	Yes
1902	Living Space^	4.18%	Yes	100%	100%	Yes	100%	Yes
1902	Bedroom	6.31%	Yes	100%	100%	Yes	100%	Yes
1903	LKD	6.73%	Yes	100%	100%	Yes	100%	Yes
1903	Living Space^	8.50%	Yes	100%	100%	Yes	100%	Yes
1903	Bedroom	3.98%	Yes	100%	100%	Yes	100%	Yes
1904	LKD	2.15%	Yes	70%	100%	Yes	100%	Yes
1904	Living Space^	3.01%	Yes	100%	100%	Yes	100%	Yes
1904	Bedroom	7.22%	Yes	100%	100%	Yes	100%	Yes
1905	LKD	7.58%	Yes	100%	100%	Yes	100%	Yes
1905	Living Space^	8.54%	Yes	100%	100%	Yes	100%	Yes
1905	Bedroom	5.61%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.70: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.17 Block A - Level 10

Table No. 7.71: Alternative Daylight Standards Results: Block A - Level 10

Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
11001	LKD	7.97%	Yes	100%	100%	Yes	100%	Yes
11001	Living Space^	9.59%	Yes	100%	100%	Yes	100%	Yes
11001	Bedroom	2.51%	Yes	65%	100%	Yes	99%	Yes
11002	LKD	6.31%	Yes	100%	100%	Yes	100%	Yes
11002	Living Space^	6.74%	Yes	100%	100%	Yes	100%	Yes
11002	Bedroom	7.18%	Yes	100%	100%	Yes	100%	Yes
11003	LKD	7.13%	Yes	100%	100%	Yes	100%	Yes
11003	Living Space^	5.75%	Yes	100%	100%	Yes	100%	Yes
11003	Bedroom	3.54%	Yes	100%	100%	Yes	100%	Yes
11004	LKD	2.25%	Yes	74%	100%	Yes	100%	Yes
11004	Living Space^	3.16%	Yes	100%	100%	Yes	100%	Yes
11004	Bedroom	6.32%	Yes	100%	100%	Yes	100%	Yes
11005	LKD	6.83%	Yes	100%	100%	Yes	100%	Yes
11005	Living Space^	7.75%	Yes	100%	100%	Yes	100%	Yes
11005	Bedroom	4.86%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

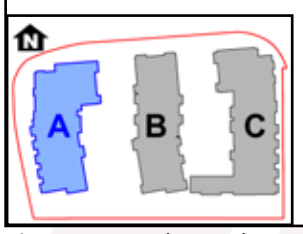

Figure 7.71: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.18 Block B - Level 01

Table No. 7.72: Alternative Daylight Standards Results: Block B - Level 01

Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
2101	LKD	1.91%	No	47%	100%	No	70%	Yes
2101	Living Space^	2.45%	Yes	75%	100%	Yes	100%	Yes
2101	Bedroom	2.17%	Yes	73%	100%	Yes	100%	Yes
2101	Bedroom	1.43%	Yes	7%	100%	No	92%	Yes
2102	LKD	1.93%	No	36%	95%	No	55%	Yes
2102	Living Space^	2.86%	Yes	67%	100%	Yes	100%	Yes
2102	Bedroom	1.49%	Yes	29%	100%	No	64%	Yes
2103	LKD	1.84%	No	32%	87%	No	50%	No
2103	Living Space^	2.78%	Yes	60%	100%	Yes	100%	Yes
2103	Bedroom	1.47%	Yes	23%	100%	No	71%	Yes
2104	LKD	1.64%	No	30%	80%	No	46%	No
2104	Living Space^	2.57%	Yes	58%	100%	Yes	100%	Yes
2104	Bedroom	1.58%	Yes	32%	100%	No	92%	Yes
2105	LKD	2.80%	Yes	64%	100%	Yes	90%	Yes
2105	Living Space^	4.00%	Yes	100%	100%	Yes	100%	Yes
2105	Bedroom	1.74%	Yes	56%	100%	Yes	99%	Yes
2105	Bedroom	3.25%	Yes	100%	100%	Yes	100%	Yes
2106	LKD	4.15%	Yes	100%	100%	Yes	100%	Yes
2106	Living Space^	5.60%	Yes	100%	100%	Yes	100%	Yes
2106	Bedroom	3.81%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.72: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.19 Block B - Level 01

Table No. 7.73: Alternative Daylight Standards Results: Block B - Level 01								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
2107	LKD	3.49%	Yes	97%	100%	Yes	100%	Yes
2107	Living Space^	4.18%	Yes	98%	100%	Yes	100%	Yes
2107	Bedroom	2.06%	Yes	39%	100%	No	81%	Yes
2107	Bedroom	1.91%	Yes	30%	100%	No	63%	Yes
2108	LKD	1.64%	No	30%	80%	No	47%	No
2108	Living Space^	2.47%	Yes	56%	100%	Yes	100%	Yes
2108	Bedroom	1.70%	Yes	31%	100%	No	93%	Yes
2109	LKD	1.69%	No	30%	79%	No	46%	No
2109	Living Space^	2.54%	Yes	55%	100%	Yes	100%	Yes
2109	Bedroom	1.20%	Yes	8%	100%	No	53%	Yes
2110	LKD	1.38%	No	26%	73%	No	41%	No
2110	Living Space^	2.02%	Yes	49%	100%	No	100%	Yes
2110	Bedroom	1.41%	Yes	21%	100%	No	73%	Yes
2111	LKD	1.50%	No	26%	73%	No	42%	No
2111	Living Space^	2.23%	Yes	48%	100%	No	100%	Yes
2111	Bedroom	1.13%	Yes	5%	100%	No	32%	No
na	Communal**	3.12%	Yes	67%	100%	Yes	98%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

**Daylight assessment has been carried out on shared amenity spaces, but these spaces do contribute to the compliance rates.

Figure 7.73: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.20 Block B - Level 02

Table No. 7.74: Alternative Daylight Standards Results: Block B - Level 02								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
2201	LKD	4.19%	Yes	99%	100%	Yes	100%	Yes
2201	Living Space^	5.89%	Yes	100%	100%	Yes	100%	Yes
2201	Bedroom	1.86%	Yes	37%	100%	No	62%	Yes
2201	Bedroom	3.77%	Yes	99%	100%	Yes	100%	Yes
2202	LKD	2.17%	Yes	42%	94%	No	58%	Yes
2202	Living Space^	3.39%	Yes	80%	100%	Yes	100%	Yes
2202	Bedroom	1.63%	Yes	40%	100%	No	74%	Yes
2203	LKD	1.82%	No	35%	84%	No	51%	Yes
2203	Living Space^	2.78%	Yes	66%	100%	Yes	100%	Yes
2203	Bedroom	2.21%	Yes	46%	100%	No	96%	Yes
2204	LKD	1.63%	No	32%	79%	No	48%	No
2204	Living Space^	2.57%	Yes	63%	100%	Yes	100%	Yes
2204	Bedroom	2.56%	Yes	58%	100%	Yes	99%	Yes
2205	LKD	2.84%	Yes	67%	100%	Yes	92%	Yes
2205	Living Space^	4.08%	Yes	100%	100%	Yes	100%	Yes
2205	Bedroom	3.02%	Yes	86%	100%	Yes	100%	Yes
2205	Bedroom	2.65%	Yes	100%	100%	Yes	100%	Yes
2206	LKD	4.50%	Yes	100%	100%	Yes	100%	Yes
2206	Living Space^	6.04%	Yes	100%	100%	Yes	100%	Yes
2206	Bedroom	4.07%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.74: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.21 Block B - Level 02

Table No. 7.75: Alternative Daylight Standards Results: Block B - Level 02

Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
2207	LKD	4.11%	Yes	100%	100%	Yes	100%	Yes
2207	Living Space^	4.98%	Yes	100%	100%	Yes	100%	Yes
2207	Bedroom	2.38%	Yes	58%	100%	Yes	100%	Yes
2207	Bedroom	2.37%	Yes	56%	100%	Yes	91%	Yes
2208	LKD	1.67%	No	32%	79%	No	47%	No
2208	Living Space^	2.59%	Yes	61%	100%	Yes	100%	Yes
2208	Bedroom	1.58%	Yes	34%	100%	No	90%	Yes
2209	LKD	1.79%	No	32%	78%	No	47%	No
2209	Living Space^	2.82%	Yes	61%	100%	Yes	100%	Yes
2209	Bedroom	1.12%	Yes	15%	100%	No	49%	No
2210	LKD	1.34%	No	26%	69%	No	41%	No
2210	Living Space^	2.03%	Yes	48%	100%	No	99%	Yes
2210	Bedroom	1.96%	Yes	42%	100%	No	88%	Yes
2211	LKD	1.27%	No	25%	68%	No	39%	No
2211	Living Space^	1.89%	Yes	45%	100%	No	96%	Yes
2211	Bedroom	1.42%	Yes	24%	100%	No	47%	No
2212	LKD	4.25%	Yes	100%	100%	Yes	100%	Yes
2212	Living Space^	5.14%	Yes	100%	100%	Yes	100%	Yes
2212	Bedroom	2.96%	Yes	90%	100%	Yes	100%	Yes
2212	Bedroom	2.09%	Yes	59%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.75: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.22 Block B - Level 03

Table No. 7.76: Alternative Daylight Standards Results: Block B - Level 03								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
2301	LKD	4.32%	Yes	100%	100%	Yes	100%	Yes
2301	Living Space^	6.10%	Yes	100%	100%	Yes	100%	Yes
2301	Bedroom	1.98%	Yes	41%	100%	No	66%	Yes
2301	Bedroom	3.94%	Yes	100%	100%	Yes	100%	Yes
2302	LKD	2.31%	Yes	45%	96%	No	60%	Yes
2302	Living Space^	3.60%	Yes	84%	100%	Yes	100%	Yes
2302	Bedroom	1.59%	Yes	40%	100%	No	77%	Yes
2303	LKD	2.12%	Yes	41%	95%	No	57%	Yes
2303	Living Space^	3.33%	Yes	77%	100%	Yes	100%	Yes
2303	Bedroom	1.43%	Yes	27%	100%	No	42%	No
2303	Bedroom	1.66%	Yes	41%	100%	No	89%	Yes
2304	LKD	2.15%	Yes	38%	85%	No	53%	Yes
2304	Living Space^	3.67%	Yes	79%	100%	Yes	100%	Yes
2304	Bedroom	1.75%	Yes	29%	100%	No	55%	Yes
2304	Bedroom	0.98%	No	13%	96%	No	33%	No
2305	LKD	3.20%	Yes	70%	100%	Yes	93%	Yes
2305	Living Space^	4.71%	Yes	100%	100%	Yes	100%	Yes
2305	Bedroom	1.23%	Yes	25%	100%	No	48%	No
2305	Bedroom	1.94%	Yes	47%	100%	No	93%	Yes
2306	LKD	5.13%	Yes	100%	100%	Yes	100%	Yes
2306	Living Space^	6.63%	Yes	100%	100%	Yes	100%	Yes
2306	Bedroom	4.25%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.76: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.23 Block B - Level 03

Table No. 7.77: Alternative Daylight Standards Results: Block B - Level 03								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
2307	LKD	4.27%	Yes	100%	100%	Yes	100%	Yes
2307	Living Space^	5.14%	Yes	100%	100%	Yes	100%	Yes
2307	Bedroom	1.64%	Yes	36%	100%	No	61%	Yes
2307	Bedroom	1.54%	Yes	30%	95%	No	55%	Yes
2308	LKD	1.84%	No	36%	78%	No	52%	Yes
2308	Living Space^	2.91%	Yes	67%	100%	Yes	100%	Yes
2308	Bedroom	0.86%	No	10%	100%	No	21%	No
2309	LKD	1.91%	No	35%	82%	No	50%	Yes
2309	Living Space^	3.01%	Yes	65%	100%	Yes	100%	Yes
2309	Bedroom	0.70%	No	6%	70%	No	14%	No
2310	LKD	1.66%	No	30%	74%	No	45%	No
2310	Living Space^	2.86%	Yes	61%	100%	Yes	100%	Yes
2310	Bedroom	1.53%	Yes	32%	95%	No	42%	No
2310	Bedroom	0.76%	No	6%	78%	No	15%	No
2311	LKD	1.73%	No	34%	85%	No	49%	No
2311	Living Space^	2.75%	Yes	68%	100%	Yes	100%	Yes
2311	Bedroom	1.14%	Yes	19%	95%	No	30%	No
2311	Bedroom	0.73%	No	0%	67%	No	13%	No
2312	LKD	4.40%	Yes	100%	100%	Yes	100%	Yes
2312	Living Space^	5.18%	Yes	100%	100%	Yes	100%	Yes
2312	Bedroom	3.03%	Yes	94%	100%	Yes	100%	Yes
2312	Bedroom	2.12%	Yes	60%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.77: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.24 Block B - Level 04

Table No. 7.78: Alternative Daylight Standards Results: Block B - Level 04								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
2401	LKD	4.45%	Yes	100%	100%	Yes	100%	Yes
2401	Living Space^	6.27%	Yes	100%	100%	Yes	100%	Yes
2401	Bedroom	2.15%	Yes	44%	100%	No	74%	Yes
2401	Bedroom	4.12%	Yes	100%	100%	Yes	100%	Yes
2402	LKD	2.54%	Yes	48%	100%	No	64%	Yes
2402	Living Space^	4.00%	Yes	92%	100%	Yes	100%	Yes
2402	Bedroom	1.81%	Yes	53%	100%	Yes	97%	Yes
2403	LKD	2.24%	Yes	45%	99%	No	61%	Yes
2403	Living Space^	3.59%	Yes	85%	100%	Yes	100%	Yes
2403	Bedroom	1.20%	Yes	21%	100%	No	52%	Yes
2403	Bedroom	2.86%	Yes	68%	100%	Yes	100%	Yes
2404	LKD	2.07%	Yes	42%	95%	No	58%	Yes
2404	Living Space^	3.60%	Yes	92%	100%	Yes	100%	Yes
2404	Bedroom	1.28%	Yes	23%	100%	No	53%	Yes
2404	Bedroom	1.74%	Yes	34%	100%	No	65%	Yes
2405	LKD	3.13%	Yes	76%	100%	Yes	97%	Yes
2405	Living Space^	4.60%	Yes	100%	100%	Yes	100%	Yes
2405	Bedroom	2.10%	Yes	48%	100%	No	91%	Yes
2405	Bedroom	1.77%	Yes	54%	100%	Yes	93%	Yes
2406	LKD	5.27%	Yes	100%	100%	Yes	100%	Yes
2406	Living Space^	6.82%	Yes	100%	100%	Yes	100%	Yes
2406	Bedroom	4.51%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.78: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.25 Block B - Level 04

Table No. 7.79: Alternative Daylight Standards Results: Block B - Level 04								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
2407	LKD	4.35%	Yes	100%	100%	Yes	100%	Yes
2407	Living Space^	5.25%	Yes	100%	100%	Yes	100%	Yes
2407	Bedroom	1.64%	Yes	26%	100%	No	57%	Yes
2407	Bedroom	1.63%	Yes	29%	98%	No	52%	Yes
2408	LKD	2.08%	Yes	39%	88%	No	54%	Yes
2408	Living Space^	3.39%	Yes	74%	100%	Yes	100%	Yes
2408	Bedroom	1.28%	Yes	26%	100%	No	57%	Yes
2409	LKD	2.17%	Yes	40%	88%	No	55%	Yes
2409	Living Space^	3.52%	Yes	75%	100%	Yes	100%	Yes
2409	Bedroom	0.89%	No	11%	93%	No	28%	No
2410	LKD	1.53%	No	33%	74%	No	48%	No
2410	Living Space^	2.63%	Yes	69%	100%	Yes	100%	Yes
2410	Bedroom	1.30%	Yes	30%	100%	No	48%	No
2410	Bedroom	1.28%	Yes	21%	96%	No	32%	No
2411	LKD	1.73%	No	36%	90%	No	52%	Yes
2411	Living Space^	2.75%	Yes	73%	100%	Yes	100%	Yes
2411	Bedroom	0.88%	No	11%	91%	No	26%	No
2411	Bedroom	1.08%	Yes	17%	90%	No	28%	No
2412	LKD	4.46%	Yes	100%	100%	Yes	100%	Yes
2412	Living Space^	5.22%	Yes	100%	100%	Yes	100%	Yes
2412	Bedroom	3.22%	Yes	94%	100%	Yes	100%	Yes
2412	Bedroom	2.23%	Yes	71%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.79: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.26 Block B - Level 05

Table No. 7.80: Alternative Daylight Standards Results: Block B - Level 05								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
2501	LKD	4.58%	Yes	100%	100%	Yes	100%	Yes
2501	Living Space^	6.44%	Yes	100%	100%	Yes	100%	Yes
2501	Bedroom	2.41%	Yes	50%	100%	Yes	90%	Yes
2501	Bedroom	4.14%	Yes	100%	100%	Yes	100%	Yes
2502	LKD	2.79%	Yes	54%	100%	Yes	71%	Yes
2502	Living Space^	4.42%	Yes	100%	100%	Yes	100%	Yes
2502	Bedroom	2.03%	Yes	66%	100%	Yes	100%	Yes
2503	LKD	2.58%	Yes	53%	100%	Yes	69%	Yes
2503	Living Space^	4.05%	Yes	100%	100%	Yes	100%	Yes
2503	Bedroom	1.96%	Yes	43%	100%	No	70%	Yes
2503	Bedroom	2.08%	Yes	72%	100%	Yes	100%	Yes
2504	LKD	2.33%	Yes	49%	100%	No	63%	Yes
2504	Living Space^	4.07%	Yes	100%	100%	Yes	100%	Yes
2504	Bedroom	2.30%	Yes	55%	100%	Yes	98%	Yes
2504	Bedroom	1.22%	Yes	27%	100%	No	55%	Yes
2505	LKD	3.76%	Yes	84%	100%	Yes	100%	Yes
2505	Living Space^	5.54%	Yes	100%	100%	Yes	100%	Yes
2505	Bedroom	1.62%	Yes	58%	100%	Yes	100%	Yes
2505	Bedroom	2.50%	Yes	94%	100%	Yes	100%	Yes
2506	LKD	4.88%	Yes	100%	100%	Yes	100%	Yes
2506	Living Space^	6.54%	Yes	100%	100%	Yes	100%	Yes
2506	Bedroom	4.57%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.80: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.27 Block B - Level 05

Table No. 7.81: Alternative Daylight Standards Results: Block B - Level 05								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
2507	LKD	4.38%	Yes	100%	100%	Yes	100%	Yes
2507	Living Space^	5.28%	Yes	100%	100%	Yes	100%	Yes
2507	Bedroom	1.82%	Yes	34%	100%	No	70%	Yes
2507	Bedroom	1.83%	Yes	38%	100%	No	69%	Yes
2508	LKD	2.37%	Yes	46%	98%	No	59%	Yes
2508	Living Space^	3.83%	Yes	87%	100%	Yes	100%	Yes
2508	Bedroom	1.52%	Yes	37%	100%	No	76%	Yes
2509	LKD	2.44%	Yes	47%	98%	No	62%	Yes
2509	Living Space^	3.97%	Yes	88%	100%	Yes	100%	Yes
2509	Bedroom	1.09%	Yes	19%	100%	No	42%	No
2510	LKD	1.97%	No	42%	87%	No	55%	Yes
2510	Living Space^	3.48%	Yes	88%	100%	Yes	100%	Yes
2510	Bedroom	1.93%	Yes	36%	100%	No	58%	Yes
2510	Bedroom	0.99%	No	13%	96%	No	43%	No
2511	LKD	2.04%	Yes	45%	99%	No	60%	Yes
2511	Living Space^	3.30%	Yes	89%	100%	Yes	100%	Yes
2511	Bedroom	1.51%	Yes	27%	100%	No	57%	Yes
2511	Bedroom	0.78%	No	5%	88%	No	23%	No
2512	LKD	4.63%	Yes	100%	100%	Yes	100%	Yes
2512	Living Space^	5.52%	Yes	100%	100%	Yes	100%	Yes
2512	Bedroom	3.23%	Yes	97%	100%	Yes	100%	Yes
2512	Bedroom	2.42%	Yes	78%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.81: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.28 Block B - Level 06

Table No. 7.82: Alternative Daylight Standards Results: Block B - Level 06								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
2601	LKD	4.72%	Yes	100%	100%	Yes	100%	Yes
2601	Living Space^	6.65%	Yes	100%	100%	Yes	100%	Yes
2601	Bedroom	2.66%	Yes	59%	100%	Yes	100%	Yes
2601	Bedroom	4.04%	Yes	100%	100%	Yes	100%	Yes
2602	LKD	3.11%	Yes	60%	100%	Yes	78%	Yes
2602	Living Space^	4.93%	Yes	100%	100%	Yes	100%	Yes
2602	Bedroom	2.52%	Yes	91%	100%	Yes	100%	Yes
2603	LKD	2.91%	Yes	60%	100%	Yes	80%	Yes
2603	Living Space^	4.61%	Yes	100%	100%	Yes	100%	Yes
2603	Bedroom	1.42%	Yes	40%	100%	No	73%	Yes
2603	Bedroom	3.84%	Yes	100%	100%	Yes	100%	Yes
2604	LKD	2.66%	Yes	59%	100%	Yes	77%	Yes
2604	Living Space^	4.58%	Yes	100%	100%	Yes	100%	Yes
2604	Bedroom	1.71%	Yes	53%	100%	Yes	100%	Yes
2604	Bedroom	2.00%	Yes	50%	100%	Yes	85%	Yes
2605	LKD	3.76%	Yes	98%	100%	Yes	100%	Yes
2605	Living Space^	5.42%	Yes	100%	100%	Yes	100%	Yes
2605	Bedroom	2.61%	Yes	92%	100%	Yes	100%	Yes
2605	Bedroom	1.95%	Yes	97%	100%	Yes	100%	Yes
2606	LKD	5.04%	Yes	100%	100%	Yes	100%	Yes
2606	Living Space^	5.93%	Yes	100%	100%	Yes	100%	Yes
2606	Bedroom	4.59%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.82: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.29 Block B - Level 06

Table No. 7.83: Alternative Daylight Standards Results: Block B - Level 06								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
2607	LKD	4.53%	Yes	100%	100%	Yes	100%	Yes
2607	Living Space^	5.49%	Yes	100%	100%	Yes	100%	Yes
2607	Bedroom	2.16%	Yes	59%	100%	Yes	100%	Yes
2607	Bedroom	2.16%	Yes	61%	100%	Yes	90%	Yes
2608	LKD	2.69%	Yes	53%	100%	Yes	71%	Yes
2608	Living Space^	4.31%	Yes	100%	100%	Yes	100%	Yes
2608	Bedroom	1.42%	Yes	29%	100%	No	64%	Yes
2609	LKD	2.74%	Yes	54%	100%	Yes	70%	Yes
2609	Living Space^	4.41%	Yes	99%	100%	Yes	100%	Yes
2609	Bedroom	1.17%	Yes	24%	100%	No	51%	Yes
2610	LKD	2.00%	Yes	49%	89%	No	64%	Yes
2610	Living Space^	3.39%	Yes	100%	100%	Yes	100%	Yes
2610	Bedroom	1.65%	Yes	43%	100%	No	73%	Yes
2610	Bedroom	1.75%	Yes	41%	100%	No	73%	Yes
2611	LKD	2.24%	Yes	52%	100%	Yes	70%	Yes
2611	Living Space^	3.58%	Yes	100%	100%	Yes	100%	Yes
2611	Bedroom	1.28%	Yes	26%	100%	No	64%	Yes
2611	Bedroom	1.40%	Yes	23%	100%	No	51%	Yes
2612	LKD	4.84%	Yes	100%	100%	Yes	100%	Yes
2612	Living Space^	5.73%	Yes	100%	100%	Yes	100%	Yes
2612	Bedroom	3.06%	Yes	99%	100%	Yes	100%	Yes
2612	Bedroom	2.67%	Yes	91%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.83: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.30 Block B - Level 07

Table No. 7.84: Alternative Daylight Standards Results: Block B - Level 07								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
2701	LKD	4.79%	Yes	100%	100%	Yes	100%	Yes
2701	Living Space^	6.81%	Yes	100%	100%	Yes	100%	Yes
2701	Bedroom	3.10%	Yes	77%	100%	Yes	100%	Yes
2701	Bedroom	4.13%	Yes	100%	100%	Yes	100%	Yes
2702	LKD	3.51%	Yes	68%	100%	Yes	91%	Yes
2702	Living Space^	5.55%	Yes	100%	100%	Yes	100%	Yes
2702	Bedroom	2.91%	Yes	100%	100%	Yes	100%	Yes
2703	LKD	3.31%	Yes	71%	100%	Yes	97%	Yes
2703	Living Space^	5.15%	Yes	100%	100%	Yes	100%	Yes
2703	Bedroom	2.47%	Yes	74%	100%	Yes	100%	Yes
2703	Bedroom	2.89%	Yes	100%	100%	Yes	100%	Yes
2704	LKD	2.91%	Yes	67%	100%	Yes	94%	Yes
2704	Living Space^	4.94%	Yes	100%	100%	Yes	100%	Yes
2704	Bedroom	3.03%	Yes	98%	100%	Yes	100%	Yes
2704	Bedroom	1.63%	Yes	62%	100%	Yes	93%	Yes
2705	LKD	4.36%	Yes	100%	100%	Yes	100%	Yes
2705	Living Space^	6.31%	Yes	100%	100%	Yes	100%	Yes
2705	Bedroom	2.75%	Yes	95%	100%	Yes	100%	Yes
2705	Bedroom	2.54%	Yes	93%	100%	Yes	100%	Yes
2706	LKD	6.44%	Yes	100%	100%	Yes	100%	Yes
2706	Living Space^	7.71%	Yes	100%	100%	Yes	100%	Yes
2706	Bedroom	5.02%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.84: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.31 Block B - Level 07

Table No. 7.85: Alternative Daylight Standards Results: Block B - Level 07								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
2707	LKD	6.55%	Yes	100%	100%	Yes	100%	Yes
2707	Living Space^	8.40%	Yes	100%	100%	Yes	100%	Yes
2707	Bedroom	2.32%	Yes	70%	100%	Yes	100%	Yes
2707	Bedroom	2.31%	Yes	76%	100%	Yes	92%	Yes
2708	LKD	3.56%	Yes	64%	100%	Yes	90%	Yes
2708	Living Space^	5.69%	Yes	100%	100%	Yes	100%	Yes
2708	Bedroom	2.48%	Yes	66%	100%	Yes	100%	Yes
2709	LKD	3.61%	Yes	65%	100%	Yes	87%	Yes
2709	Living Space^	5.70%	Yes	100%	100%	Yes	100%	Yes
2709	Bedroom	2.20%	Yes	62%	100%	Yes	94%	Yes
2710	LKD	2.50%	Yes	58%	94%	No	80%	Yes
2710	Living Space^	4.27%	Yes	100%	100%	Yes	100%	Yes
2710	Bedroom	2.53%	Yes	60%	100%	Yes	100%	Yes
2710	Bedroom	1.23%	Yes	28%	100%	No	66%	Yes
2711	LKD	2.62%	Yes	60%	100%	Yes	83%	Yes
2711	Living Space^	4.11%	Yes	100%	100%	Yes	100%	Yes
2711	Bedroom	2.11%	Yes	50%	100%	Yes	95%	Yes
2711	Bedroom	1.02%	Yes	21%	100%	No	46%	No
2712	LKD	5.06%	Yes	100%	100%	Yes	100%	Yes
2712	Living Space^	5.69%	Yes	100%	100%	Yes	100%	Yes
2712	Bedroom	3.11%	Yes	99%	100%	Yes	100%	Yes
2712	Bedroom	3.06%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.85: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.32 Block B - Level 08

Table No. 7.86: Alternative Daylight Standards Results: Block B - Level 08								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
2801	LKD	5.24%	Yes	100%	100%	Yes	100%	Yes
2801	Living Space^	7.37%	Yes	100%	100%	Yes	100%	Yes
2801	Bedroom	3.20%	Yes	99%	100%	Yes	100%	Yes
2801	Bedroom	4.31%	Yes	100%	100%	Yes	100%	Yes
2802	LKD	4.43%	Yes	80%	100%	Yes	100%	Yes
2802	Living Space^	7.00%	Yes	100%	100%	Yes	100%	Yes
2802	Bedroom	5.05%	Yes	100%	100%	Yes	100%	Yes
2803	LKD	4.45%	Yes	88%	100%	Yes	100%	Yes
2803	Living Space^	7.14%	Yes	100%	100%	Yes	100%	Yes
2803	Bedroom	2.58%	Yes	94%	100%	Yes	100%	Yes
2803	Bedroom	5.06%	Yes	100%	100%	Yes	100%	Yes
2804	LKD	4.00%	Yes	81%	100%	Yes	100%	Yes
2804	Living Space^	6.72%	Yes	100%	100%	Yes	100%	Yes
2804	Bedroom	5.32%	Yes	100%	100%	Yes	100%	Yes
2804	Bedroom	2.66%	Yes	91%	100%	Yes	100%	Yes
2805	LKD	3.08%	Yes	67%	96%	Yes	87%	Yes
2805	Living Space^	5.22%	Yes	100%	100%	Yes	100%	Yes
2805	Bedroom	5.83%	Yes	100%	100%	Yes	100%	Yes
2805	Bedroom	2.08%	Yes	55%	100%	Yes	93%	Yes
2806	LKD	3.64%	Yes	73%	100%	Yes	99%	Yes
2806	Living Space^	5.88%	Yes	100%	100%	Yes	100%	Yes
2806	Bedroom	2.14%	Yes	57%	100%	Yes	100%	Yes
2806	Bedroom	1.88%	Yes	42%	100%	No	79%	Yes
2807	LKD	5.45%	Yes	100%	100%	Yes	100%	Yes
2807	Living Space^	6.16%	Yes	100%	100%	Yes	100%	Yes
2807	Bedroom	3.27%	Yes	100%	100%	Yes	100%	Yes
2807	Bedroom	3.29%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.86: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.33 Block C - Level 00

Table No. 7.87: Alternative Daylight Standards Results: Block C - Level 00								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
1001	LKD	2.49%	Yes	54%	100%	Yes	77%	Yes
1001	Living Space^	3.87%	Yes	96%	100%	Yes	100%	Yes
1001	Bedroom	5.29%	Yes	100%	100%	Yes	100%	Yes
1004	LKD	4.10%	Yes	96%	100%	Yes	100%	Yes
1004	Living Space^	6.16%	Yes	100%	100%	Yes	100%	Yes
1004	Bedroom	5.49%	Yes	100%	100%	Yes	100%	Yes
3001	LKD	3.19%	Yes	89%	100%	Yes	100%	Yes
3001	Living Space^	4.48%	Yes	100%	100%	Yes	100%	Yes
3001	Bedroom	3.09%	Yes	100%	100%	Yes	100%	Yes
3002	LKD	8.36%	Yes	100%	100%	Yes	100%	Yes
3002	Living Space^	9.91%	Yes	100%	100%	Yes	100%	Yes
3002	Bedroom	3.40%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.87: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.34 Block C - Duplex Units

Table No. 7.88: Alternative Daylight Standards Results: Block C - Duplex Units								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
1002	LKD	4.16%	Yes	100%	100%	Yes	100%	Yes
1002	Living Space^	6.22%	Yes	100%	100%	Yes	100%	Yes
1002	Bedroom	5.33%	Yes	100%	100%	Yes	100%	Yes
1002	Bedroom	3.94%	Yes	100%	100%	Yes	100%	Yes
1003	LKD	4.09%	Yes	100%	100%	Yes	100%	Yes
1003	Living Space^	6.16%	Yes	100%	100%	Yes	100%	Yes
1003	Bedroom	5.13%	Yes	100%	100%	Yes	100%	Yes
1003	Bedroom	4.23%	Yes	100%	100%	Yes	100%	Yes
3003	LKD	4.31%	Yes	100%	100%	Yes	100%	Yes
3003	Living Space^	4.30%	Yes	100%	100%	Yes	100%	Yes
3003	Bedroom	7.26%	Yes	100%	100%	Yes	100%	Yes
3003	Bedroom	3.28%	Yes	100%	100%	Yes	100%	Yes
3004	LKD	4.27%	Yes	100%	100%	Yes	100%	Yes
3004	Living Space^	4.27%	Yes	100%	100%	Yes	100%	Yes
3004	Bedroom	5.21%	Yes	100%	100%	Yes	100%	Yes
3004	Bedroom	2.32%	Yes	84%	100%	Yes	100%	Yes
3005	LKD	4.26%	Yes	100%	100%	Yes	100%	Yes
3005	Living Space^	4.26%	Yes	100%	100%	Yes	100%	Yes
3005	Bedroom	7.05%	Yes	100%	100%	Yes	100%	Yes
3005	Bedroom	3.26%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.88: Floor plan of assessed rooms with keyplan highlighting the assessed block. Left: Level 00, Right: Level 01

7.3.35 Block C - Live/Work Units

Table No. 7.89: Alternative Daylight Standards Results: Block C - Live/Work Units

Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
3006	Work Space	4.33%	Yes	94%	100%	Yes	100%	Yes
3006	Studio	3.95%	Yes	100%	100%	Yes	100%	Yes
3007	Work Space	10.38%	Yes	100%	100%	Yes	100%	Yes
3007	LKD	3.87%	Yes	88%	100%	Yes	100%	Yes
3007	Living Space^	5.20%	Yes	100%	100%	Yes	100%	Yes
3007	Bedroom	7.71%	Yes	100%	100%	Yes	100%	Yes
3007	Bedroom	7.12%	Yes	100%	100%	Yes	100%	Yes
3008	Work Space	9.00%	Yes	100%	100%	Yes	100%	Yes
3008	Studio	3.51%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.89: Floor plan of assessed rooms with keyplan highlighting the assessed block. Left: Level 00, Right: Level 01

7.3.36 Block C - Level 01

Table No. 7.90: Alternative Daylight Standards Results: Block C - Level 01								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
3101	LKD	2.83%	Yes	78%	100%	Yes	88%	Yes
3101	Living Space^	3.99%	Yes	100%	100%	Yes	100%	Yes
3101	Bedroom	1.37%	Yes	18%	100%	No	42%	No
3102	LKD	3.88%	Yes	100%	100%	Yes	100%	Yes
3102	Living Space^	4.48%	Yes	100%	100%	Yes	100%	Yes
3102	Bedroom	1.97%	Yes	58%	100%	Yes	100%	Yes
3103	LKD	3.46%	Yes	78%	100%	Yes	100%	Yes
3103	Living Space^	5.02%	Yes	100%	100%	Yes	100%	Yes
3103	Bedroom	1.76%	Yes	42%	100%	No	99%	Yes
3104	LKD	7.04%	Yes	100%	100%	Yes	100%	Yes
3104	Living Space^	8.04%	Yes	100%	100%	Yes	100%	Yes
3104	Bedroom	3.02%	Yes	100%	100%	Yes	100%	Yes
3105	LKD	2.02%	Yes	52%	99%	Yes	69%	Yes
3105	Living Space^	3.82%	Yes	100%	100%	Yes	100%	Yes
3105	Bedroom	5.23%	Yes	100%	100%	Yes	100%	Yes
3105	Bedroom	2.18%	Yes	73%	100%	Yes	100%	Yes
3106	LKD	1.84%	No	35%	87%	No	54%	Yes
3106	Living Space^	2.63%	Yes	58%	100%	Yes	100%	Yes
3106	Bedroom	1.64%	Yes	33%	100%	No	93%	Yes
3107	LKD	1.81%	No	36%	99%	No	54%	Yes
3107	Living Space^	2.65%	Yes	65%	100%	Yes	100%	Yes
3107	Bedroom	1.96%	Yes	36%	100%	No	83%	Yes
3107	Bedroom	1.07%	Yes	5%	100%	No	26%	No
3108	LKD	1.53%	No	27%	85%	No	46%	No
3108	Living Space^	2.14%	Yes	49%	100%	No	100%	Yes
3108	Bedroom	1.38%	Yes	18%	100%	No	62%	Yes
3108	Bedroom	1.90%	Yes	32%	100%	No	53%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

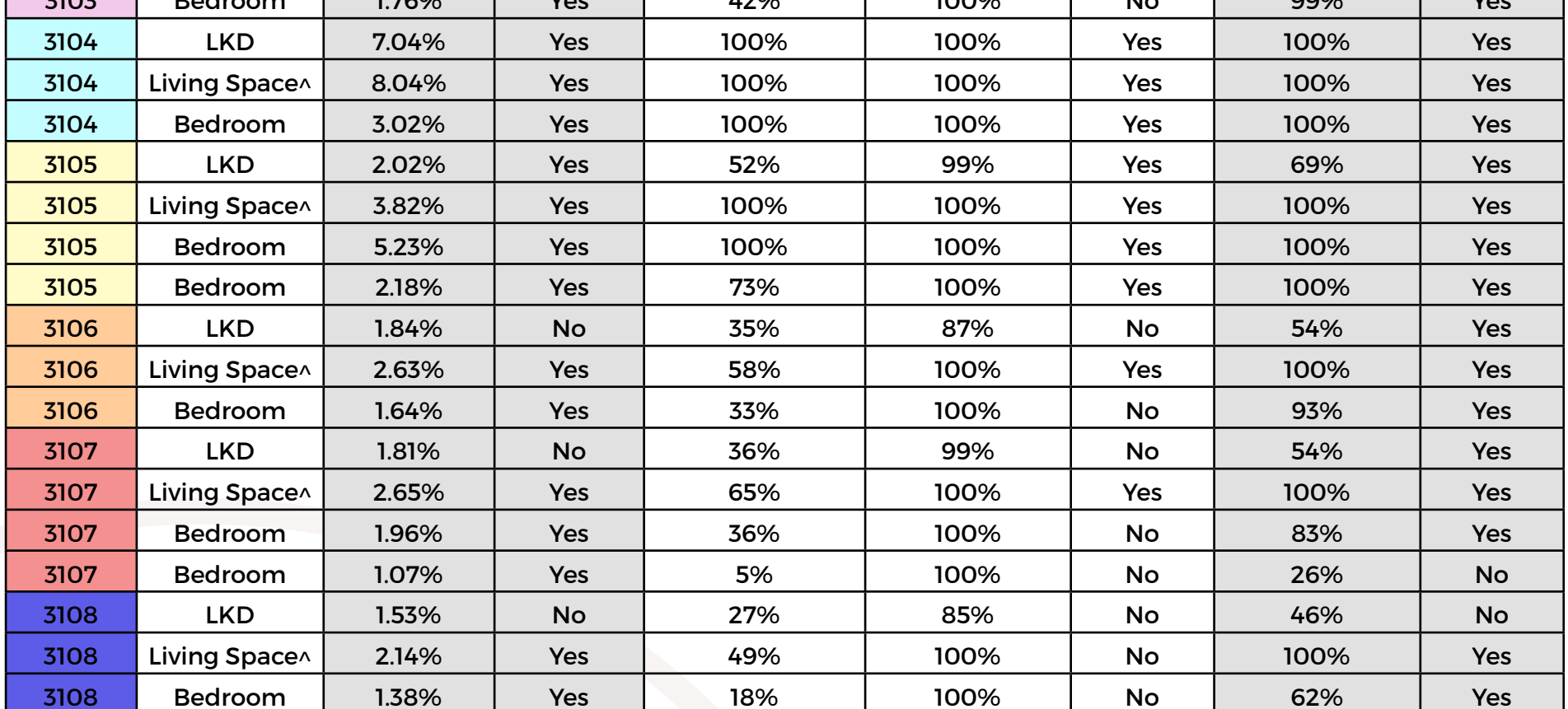

Figure 7.90: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.37 Block C - Level 02

Table No. 7.91: Alternative Daylight Standards Results: Block C - Level 02								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
3201	LKD	2.81%	Yes	79%	100%	Yes	88%	Yes
3201	Living Space^	3.95%	Yes	100%	100%	Yes	100%	Yes
3201	Bedroom	1.49%	Yes	22%	100%	No	48%	No
3202	LKD	5.12%	Yes	100%	100%	Yes	100%	Yes
3202	Living Space^	5.54%	Yes	100%	100%	Yes	100%	Yes
3202	Bedroom	3.71%	Yes	96%	100%	Yes	100%	Yes
3202	Bedroom	2.00%	Yes	47%	100%	No	88%	Yes
3203	LKD	3.68%	Yes	88%	100%	Yes	98%	Yes
3203	Living Space^	4.21%	Yes	98%	100%	Yes	100%	Yes
3203	Bedroom	10.07%	Yes	100%	100%	Yes	100%	Yes
3203	Bedroom	3.64%	Yes	100%	100%	Yes	100%	Yes
3203	Bedroom	5.79%	Yes	100%	100%	Yes	100%	Yes
3204	LKD	2.53%	Yes	74%	100%	Yes	100%	Yes
3204	Living Space^	3.58%	Yes	100%	100%	Yes	100%	Yes
3204	Bedroom	6.30%	Yes	100%	100%	Yes	100%	Yes
3205	LKD	2.85%	Yes	100%	100%	Yes	100%	Yes
3205	Living Space^	4.01%	Yes	100%	100%	Yes	100%	Yes
3205	Bedroom	6.08%	Yes	100%	100%	Yes	100%	Yes
3205	Bedroom	6.59%	Yes	100%	100%	Yes	100%	Yes
3206	LKD	3.60%	Yes	80%	100%	Yes	100%	Yes
3206	Living Space^	5.37%	Yes	100%	100%	Yes	100%	Yes
3206	Bedroom	2.93%	Yes	100%	100%	Yes	100%	Yes
3207	LKD	3.69%	Yes	80%	100%	Yes	100%	Yes
3207	Living Space^	5.52%	Yes	100%	100%	Yes	100%	Yes
3207	Bedroom	2.62%	Yes	99%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

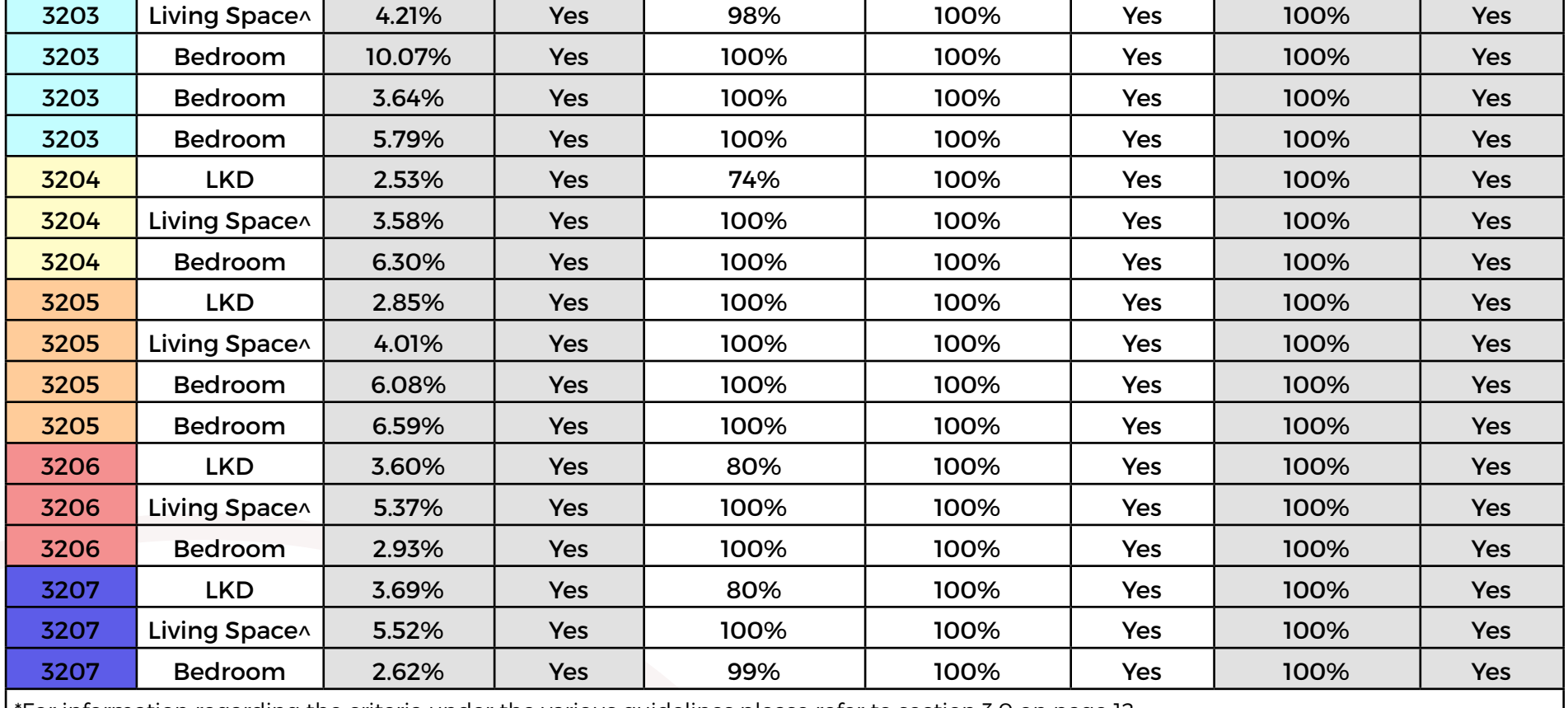

Figure 7.91: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.38 Block C - Level 02

Table No. 7.92: Alternative Daylight Standards Results: Block C - Level 02								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
3208	LKD	3.70%	Yes	82%	100%	Yes	100%	Yes
3208	Living Space^	5.53%	Yes	100%	100%	Yes	100%	Yes
3208	Bedroom	2.62%	Yes	100%	100%	Yes	100%	Yes
3209	LKD	3.70%	Yes	81%	100%	Yes	100%	Yes
3209	Living Space^	5.54%	Yes	100%	100%	Yes	100%	Yes
3209	Bedroom	2.65%	Yes	100%	100%	Yes	100%	Yes
3210	LKD	6.90%	Yes	100%	100%	Yes	100%	Yes
3210	Living Space^	9.18%	Yes	100%	100%	Yes	100%	Yes
3210	Bedroom	2.67%	Yes	100%	100%	Yes	100%	Yes
3211	LKD	5.10%	Yes	100%	100%	Yes	100%	Yes
3211	Living Space^	6.91%	Yes	100%	100%	Yes	100%	Yes
3211	Bedroom	1.39%	Yes	38%	100%	No	83%	Yes
3212	LKD	1.99%	No	40%	88%	No	59%	Yes
3212	Living Space^	2.90%	Yes	68%	100%	Yes	100%	Yes
3212	Bedroom	1.55%	Yes	38%	100%	No	88%	Yes
3213	LKD	1.91%	No	39%	99%	No	56%	Yes
3213	Living Space^	2.87%	Yes	72%	100%	Yes	100%	Yes
3213	Bedroom	1.44%	Yes	29%	100%	No	65%	Yes
3213	Bedroom	1.81%	Yes	30%	100%	No	56%	Yes
3214	LKD	1.61%	No	30%	85%	No	49%	No
3214	Living Space^	2.31%	Yes	51%	100%	Yes	100%	Yes
3214	Bedroom	1.16%	Yes	17%	100%	No	42%	No
3214	Bedroom	1.72%	Yes	33%	100%	No	55%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.92: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.39 Block C - Level 03

Table No. 7.93: Alternative Daylight Standards Results: Block C - Level 03								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
3301	LKD	2.90%	Yes	79%	100%	Yes	91%	Yes
3301	Living Space^	4.12%	Yes	100%	100%	Yes	100%	Yes
3301	Bedroom	1.57%	Yes	23%	100%	No	48%	No
3302	LKD	5.05%	Yes	100%	100%	Yes	100%	Yes
3302	Living Space^	5.47%	Yes	100%	100%	Yes	100%	Yes
3302	Bedroom	3.63%	Yes	98%	100%	Yes	100%	Yes
3302	Bedroom	2.36%	Yes	52%	100%	Yes	90%	Yes
3303	LKD	3.70%	Yes	91%	100%	Yes	99%	Yes
3303	Living Space^	4.21%	Yes	99%	100%	Yes	100%	Yes
3303	Bedroom	8.96%	Yes	100%	100%	Yes	100%	Yes
3303	Bedroom	3.48%	Yes	100%	100%	Yes	100%	Yes
3303	Bedroom	5.35%	Yes	100%	100%	Yes	100%	Yes
3304	LKD	2.54%	Yes	77%	100%	Yes	100%	Yes
3304	Living Space^	3.56%	Yes	100%	100%	Yes	100%	Yes
3304	Bedroom	5.57%	Yes	100%	100%	Yes	100%	Yes
3305	LKD	2.85%	Yes	100%	100%	Yes	100%	Yes
3305	Living Space^	4.04%	Yes	100%	100%	Yes	100%	Yes
3305	Bedroom	5.44%	Yes	100%	100%	Yes	100%	Yes
3305	Bedroom	5.93%	Yes	100%	100%	Yes	100%	Yes
3306	LKD	3.27%	Yes	80%	100%	Yes	100%	Yes
3306	Living Space^	4.78%	Yes	100%	100%	Yes	100%	Yes
3306	Bedroom	3.55%	Yes	100%	100%	Yes	100%	Yes
3307	LKD	3.17%	Yes	78%	100%	Yes	100%	Yes
3307	Living Space^	4.60%	Yes	100%	100%	Yes	100%	Yes
3307	Bedroom	3.61%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

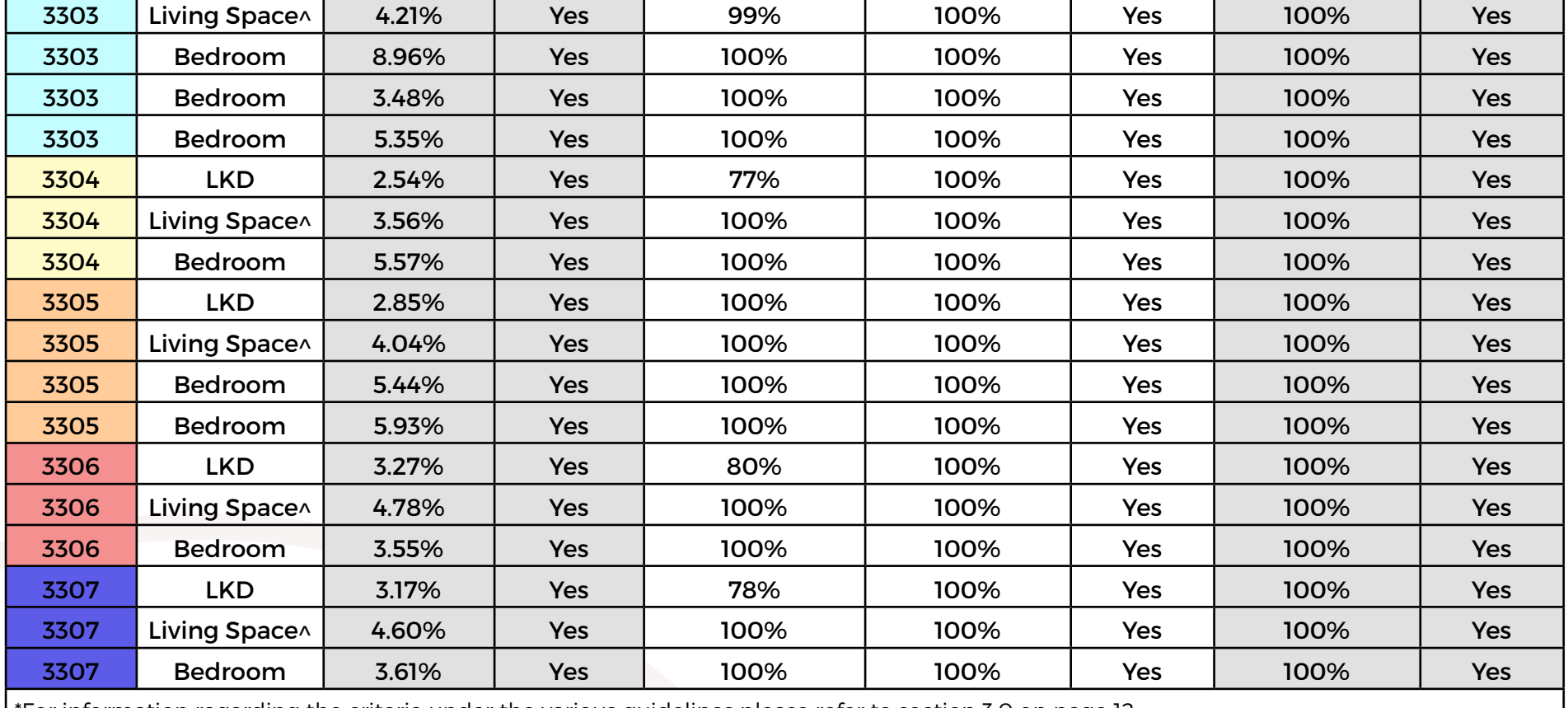

Figure 7.93: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.40 Block C - Level 03

Table No. 7.94: Alternative Daylight Standards Results: Block C - Level 03								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
3308	LKD	3.17%	Yes	79%	100%	Yes	100%	Yes
3308	Living Space^	4.61%	Yes	100%	100%	Yes	100%	Yes
3308	Bedroom	3.62%	Yes	100%	100%	Yes	100%	Yes
3309	LKD	3.18%	Yes	79%	100%	Yes	100%	Yes
3309	Living Space^	4.62%	Yes	100%	100%	Yes	100%	Yes
3309	Bedroom	3.64%	Yes	100%	100%	Yes	100%	Yes
3310	LKD	3.21%	Yes	79%	100%	Yes	100%	Yes
3310	Living Space^	4.68%	Yes	100%	100%	Yes	100%	Yes
3310	Bedroom	8.76%	Yes	100%	100%	Yes	100%	Yes
3311	LKD	5.47%	Yes	100%	100%	Yes	100%	Yes
3311	Living Space^	7.54%	Yes	100%	100%	Yes	100%	Yes
3311	Bedroom	1.48%	Yes	42%	100%	No	78%	Yes
3312	LKD	2.27%	Yes	43%	89%	No	62%	Yes
3312	Living Space^	3.37%	Yes	74%	100%	Yes	100%	Yes
3312	Bedroom	1.77%	Yes	48%	100%	No	96%	Yes
3313	LKD	2.18%	Yes	43%	100%	No	61%	Yes
3313	Living Space^	3.35%	Yes	80%	100%	Yes	100%	Yes
3313	Bedroom	2.28%	Yes	47%	100%	No	90%	Yes
3313	Bedroom	1.37%	Yes	23%	100%	No	53%	Yes
3314	LKD	1.59%	No	31%	88%	No	53%	Yes
3314	Living Space^	2.35%	Yes	58%	100%	Yes	100%	Yes
3314	Bedroom	1.37%	Yes	23%	100%	No	53%	Yes
3314	Bedroom	2.49%	Yes	49%	100%	No	82%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.94: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.41 Block C - Level 04

Table No. 7.95: Alternative Daylight Standards Results: Block C - Level 04								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
3401	LKD	3.05%	Yes	82%	100%	Yes	96%	Yes
3401	Living Space^	4.41%	Yes	100%	100%	Yes	100%	Yes
3401	Bedroom	1.73%	Yes	30%	100%	No	53%	Yes
3402	LKD	3.88%	Yes	100%	100%	Yes	100%	Yes
3402	Living Space^	4.11%	Yes	100%	100%	Yes	100%	Yes
3402	Bedroom	3.81%	Yes	98%	100%	Yes	100%	Yes
3402	Bedroom	2.34%	Yes	60%	100%	Yes	94%	Yes
3403	LKD	4.76%	Yes	100%	100%	Yes	100%	Yes
3403	Living Space^	5.42%	Yes	100%	100%	Yes	100%	Yes
3403	Bedroom	10.20%	Yes	100%	100%	Yes	100%	Yes
3403	Bedroom	3.53%	Yes	100%	100%	Yes	100%	Yes
3403	Bedroom	5.98%	Yes	100%	100%	Yes	100%	Yes
3404	LKD	2.54%	Yes	75%	100%	Yes	100%	Yes
3404	Living Space^	3.56%	Yes	100%	100%	Yes	100%	Yes
3404	Bedroom	6.33%	Yes	100%	100%	Yes	100%	Yes
3405	LKD	2.89%	Yes	100%	100%	Yes	100%	Yes
3405	Living Space^	4.09%	Yes	100%	100%	Yes	100%	Yes
3405	Bedroom	6.17%	Yes	100%	100%	Yes	100%	Yes
3405	Bedroom	6.57%	Yes	100%	100%	Yes	100%	Yes
3406	LKD	3.83%	Yes	81%	100%	Yes	100%	Yes
3406	Living Space^	5.72%	Yes	100%	100%	Yes	100%	Yes
3406	Bedroom	3.00%	Yes	100%	100%	Yes	100%	Yes
3407	LKD	3.74%	Yes	81%	100%	Yes	100%	Yes
3407	Living Space^	5.55%	Yes	100%	100%	Yes	100%	Yes
3407	Bedroom	3.02%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.95: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.42 Block C - Level 04

Table No. 7.96: Alternative Daylight Standards Results: Block C - Level 04								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
3408	LKD	3.74%	Yes	81%	100%	Yes	100%	Yes
3408	Living Space^	5.55%	Yes	100%	100%	Yes	100%	Yes
3408	Bedroom	3.03%	Yes	100%	100%	Yes	100%	Yes
3409	LKD	3.75%	Yes	81%	100%	Yes	100%	Yes
3409	Living Space^	5.56%	Yes	100%	100%	Yes	100%	Yes
3409	Bedroom	3.06%	Yes	100%	100%	Yes	100%	Yes
3410	LKD	3.76%	Yes	82%	100%	Yes	100%	Yes
3410	Living Space^	5.59%	Yes	100%	100%	Yes	100%	Yes
3410	Bedroom	8.09%	Yes	100%	100%	Yes	100%	Yes
3411	LKD	5.64%	Yes	100%	100%	Yes	100%	Yes
3411	Living Space^	7.83%	Yes	100%	100%	Yes	100%	Yes
3411	Bedroom	1.67%	Yes	53%	100%	Yes	89%	Yes
3412	LKD	2.54%	Yes	46%	96%	No	67%	Yes
3412	Living Space^	3.80%	Yes	80%	100%	Yes	100%	Yes
3412	Bedroom	2.13%	Yes	65%	100%	Yes	100%	Yes
3413	LKD	2.42%	Yes	47%	100%	No	65%	Yes
3413	Living Space^	3.78%	Yes	86%	100%	Yes	100%	Yes
3413	Bedroom	1.59%	Yes	34%	100%	No	78%	Yes
3413	Bedroom	2.46%	Yes	56%	100%	Yes	89%	Yes
3414	LKD	1.86%	No	37%	96%	No	59%	Yes
3414	Living Space^	2.81%	Yes	69%	100%	Yes	100%	Yes
3414	Bedroom	1.62%	Yes	42%	100%	No	62%	Yes
3414	Bedroom	2.28%	Yes	51%	100%	Yes	80%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.96: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.43 Block C - Level 05

Table No. 7.97: Alternative Daylight Standards Results: Block C - Level 05								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
3501	LKD	3.48%	Yes	86%	100%	Yes	100%	Yes
3501	Living Space^	5.08%	Yes	100%	100%	Yes	100%	Yes
3501	Bedroom	2.01%	Yes	40%	100%	No	60%	Yes
3502	LKD	4.03%	Yes	100%	100%	Yes	100%	Yes
3502	Living Space^	4.27%	Yes	100%	100%	Yes	100%	Yes
3502	Bedroom	3.72%	Yes	98%	100%	Yes	100%	Yes
3502	Bedroom	2.65%	Yes	74%	100%	Yes	100%	Yes
3503	LKD	4.76%	Yes	99%	100%	Yes	100%	Yes
3503	Living Space^	5.34%	Yes	100%	100%	Yes	100%	Yes
3503	Bedroom	9.09%	Yes	100%	100%	Yes	100%	Yes
3503	Bedroom	3.73%	Yes	100%	100%	Yes	100%	Yes
3503	Bedroom	5.42%	Yes	100%	100%	Yes	100%	Yes
3504	LKD	2.42%	Yes	75%	100%	Yes	100%	Yes
3504	Living Space^	3.44%	Yes	100%	100%	Yes	100%	Yes
3504	Bedroom	5.64%	Yes	100%	100%	Yes	100%	Yes
3505	LKD	2.86%	Yes	100%	100%	Yes	100%	Yes
3505	Living Space^	4.04%	Yes	100%	100%	Yes	100%	Yes
3505	Bedroom	5.52%	Yes	100%	100%	Yes	100%	Yes
3505	Bedroom	6.12%	Yes	100%	100%	Yes	100%	Yes
3506	LKD	3.18%	Yes	79%	100%	Yes	100%	Yes
3506	Living Space^	4.64%	Yes	100%	100%	Yes	100%	Yes
3506	Bedroom	3.61%	Yes	100%	100%	Yes	100%	Yes
3507	LKD	3.17%	Yes	80%	100%	Yes	100%	Yes
3507	Living Space^	4.64%	Yes	100%	100%	Yes	100%	Yes
3507	Bedroom	3.13%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

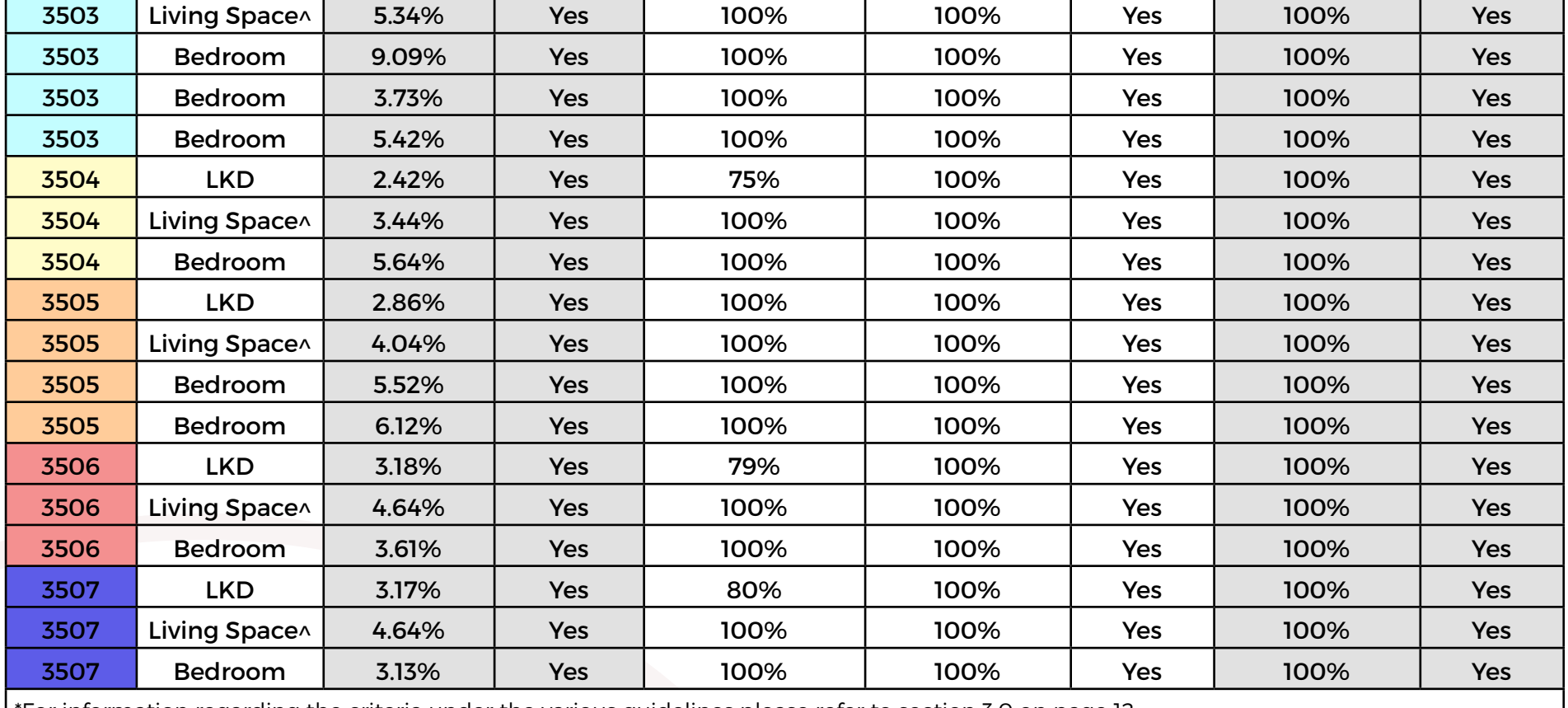

Figure 7.97: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.44 Block C - Level 05

Table No. 7.98: Alternative Daylight Standards Results: Block C - Level 05								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
3508	LKD	3.17%	Yes	78%	100%	Yes	100%	Yes
3508	Living Space^	4.62%	Yes	100%	100%	Yes	100%	Yes
3508	Bedroom	3.14%	Yes	100%	100%	Yes	100%	Yes
3509	LKD	3.18%	Yes	78%	100%	Yes	100%	Yes
3509	Living Space^	4.64%	Yes	100%	100%	Yes	100%	Yes
3509	Bedroom	3.14%	Yes	100%	100%	Yes	100%	Yes
3510	LKD	6.32%	Yes	100%	100%	Yes	100%	Yes
3510	Living Space^	8.06%	Yes	100%	100%	Yes	100%	Yes
3510	Bedroom	3.18%	Yes	100%	100%	Yes	100%	Yes
3511	LKD	5.83%	Yes	100%	100%	Yes	100%	Yes
3511	Living Space^	8.06%	Yes	100%	100%	Yes	100%	Yes
3511	Bedroom	1.69%	Yes	68%	100%	Yes	97%	Yes
3512	LKD	2.96%	Yes	56%	100%	Yes	73%	Yes
3512	Living Space^	4.46%	Yes	99%	100%	Yes	100%	Yes
3512	Bedroom	2.60%	Yes	98%	100%	Yes	100%	Yes
3513	LKD	2.85%	Yes	55%	100%	Yes	75%	Yes
3513	Living Space^	4.47%	Yes	100%	100%	Yes	100%	Yes
3513	Bedroom	3.31%	Yes	90%	100%	Yes	100%	Yes
3513	Bedroom	1.80%	Yes	56%	100%	Yes	90%	Yes
3514	LKD	2.23%	Yes	47%	100%	No	68%	Yes
3514	Living Space^	3.40%	Yes	85%	100%	Yes	100%	Yes
3514	Bedroom	2.10%	Yes	62%	100%	Yes	100%	Yes
3514	Bedroom	3.27%	Yes	78%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.98: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.45 Block C - Level 06

Table No. 7.99: Alternative Daylight Standards Results: Block C - Level 06								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
3601	LKD	4.07%	Yes	92%	100%	Yes	100%	Yes
3601	Living Space^	6.06%	Yes	100%	100%	Yes	100%	Yes
3601	Bedroom	2.38%	Yes	53%	100%	Yes	83%	Yes
3602	LKD	5.68%	Yes	100%	100%	Yes	100%	Yes
3602	Living Space^	6.15%	Yes	100%	100%	Yes	100%	Yes
3602	Bedroom	3.97%	Yes	100%	100%	Yes	100%	Yes
3602	Bedroom	3.06%	Yes	87%	100%	Yes	100%	Yes
3603	LKD	3.92%	Yes	94%	100%	Yes	100%	Yes
3603	Living Space^	4.44%	Yes	100%	100%	Yes	100%	Yes
3603	Bedroom	10.43%	Yes	100%	100%	Yes	100%	Yes
3603	Bedroom	3.75%	Yes	100%	100%	Yes	100%	Yes
3603	Bedroom	6.05%	Yes	100%	100%	Yes	100%	Yes
3604	LKD	2.54%	Yes	75%	100%	Yes	100%	Yes
3604	Living Space^	3.60%	Yes	100%	100%	Yes	100%	Yes
3604	Bedroom	6.40%	Yes	100%	100%	Yes	100%	Yes
3605	LKD	2.88%	Yes	100%	100%	Yes	100%	Yes
3605	Living Space^	4.07%	Yes	100%	100%	Yes	100%	Yes
3605	Bedroom	6.20%	Yes	100%	100%	Yes	100%	Yes
3605	Bedroom	6.62%	Yes	100%	100%	Yes	100%	Yes
3606	LKD	3.68%	Yes	82%	100%	Yes	100%	Yes
3606	Living Space^	5.46%	Yes	100%	100%	Yes	100%	Yes
3606	Bedroom	3.05%	Yes	100%	100%	Yes	100%	Yes
3607	LKD	3.77%	Yes	82%	100%	Yes	100%	Yes
3607	Living Space^	5.62%	Yes	100%	100%	Yes	100%	Yes
3607	Bedroom	2.72%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.99: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.46 Block C - Level 06

Table No. 7.100: Alternative Daylight Standards Results: Block C - Level 06								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
3608	LKD	3.77%	Yes	82%	100%	Yes	100%	Yes
3608	Living Space^	5.64%	Yes	100%	100%	Yes	100%	Yes
3608	Bedroom	2.71%	Yes	100%	100%	Yes	100%	Yes
3609	LKD	3.78%	Yes	83%	100%	Yes	100%	Yes
3609	Living Space^	5.65%	Yes	100%	100%	Yes	100%	Yes
3609	Bedroom	2.71%	Yes	100%	100%	Yes	100%	Yes
3610	LKD	7.00%	Yes	100%	100%	Yes	100%	Yes
3610	Living Space^	9.20%	Yes	100%	100%	Yes	100%	Yes
3610	Bedroom	2.73%	Yes	100%	100%	Yes	100%	Yes
3611	LKD	6.09%	Yes	100%	100%	Yes	100%	Yes
3611	Living Space^	8.40%	Yes	100%	100%	Yes	100%	Yes
3611	Bedroom	1.87%	Yes	82%	100%	Yes	100%	Yes
3612	LKD	3.32%	Yes	67%	100%	Yes	82%	Yes
3612	Living Space^	4.96%	Yes	100%	100%	Yes	100%	Yes
3612	Bedroom	3.05%	Yes	100%	100%	Yes	100%	Yes
3613	LKD	3.32%	Yes	66%	100%	Yes	91%	Yes
3613	Living Space^	5.18%	Yes	100%	100%	Yes	100%	Yes
3613	Bedroom	2.67%	Yes	100%	100%	Yes	100%	Yes
3613	Bedroom	3.36%	Yes	98%	100%	Yes	100%	Yes
3614	LKD	2.70%	Yes	60%	100%	Yes	79%	Yes
3614	Living Space^	4.12%	Yes	100%	100%	Yes	100%	Yes
3614	Bedroom	2.51%	Yes	95%	100%	Yes	100%	Yes
3614	Bedroom	3.03%	Yes	94%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.100: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.47 Block C - Level 07

Table No. 7.101: Alternative Daylight Standards Results: Block C - Level 07								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
3701	LKD	4.74%	Yes	100%	100%	Yes	100%	Yes
3701	Living Space^	7.09%	Yes	100%	100%	Yes	100%	Yes
3701	Bedroom	2.83%	Yes	75%	100%	Yes	100%	Yes
3702	LKD	6.00%	Yes	100%	100%	Yes	100%	Yes
3702	Living Space^	6.46%	Yes	100%	100%	Yes	100%	Yes
3702	Bedroom	3.84%	Yes	100%	100%	Yes	100%	Yes
3702	Bedroom	3.48%	Yes	100%	100%	Yes	100%	Yes
3703	LKD	3.90%	Yes	94%	100%	Yes	100%	Yes
3703	Living Space^	4.41%	Yes	100%	100%	Yes	100%	Yes
3703	Bedroom	9.37%	Yes	100%	100%	Yes	100%	Yes
3703	Bedroom	3.76%	Yes	100%	100%	Yes	100%	Yes
3703	Bedroom	5.47%	Yes	100%	100%	Yes	100%	Yes
3704	LKD	2.59%	Yes	76%	100%	Yes	100%	Yes
3704	Living Space^	3.59%	Yes	100%	100%	Yes	100%	Yes
3704	Bedroom	5.69%	Yes	100%	100%	Yes	100%	Yes
3705	LKD	2.87%	Yes	100%	100%	Yes	100%	Yes
3705	Living Space^	4.08%	Yes	100%	100%	Yes	100%	Yes
3705	Bedroom	5.55%	Yes	100%	100%	Yes	100%	Yes
3705	Bedroom	6.02%	Yes	100%	100%	Yes	100%	Yes
3706	LKD	4.15%	Yes	100%	100%	Yes	100%	Yes
3706	Living Space^	2.71%	Yes	100%	100%	Yes	100%	Yes
3706	Bedroom	4.38%	Yes	100%	100%	Yes	100%	Yes
3707	LKD	4.15%	Yes	100%	100%	Yes	100%	Yes
3707	Living Space^	2.73%	Yes	100%	100%	Yes	100%	Yes
3707	Bedroom	4.29%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

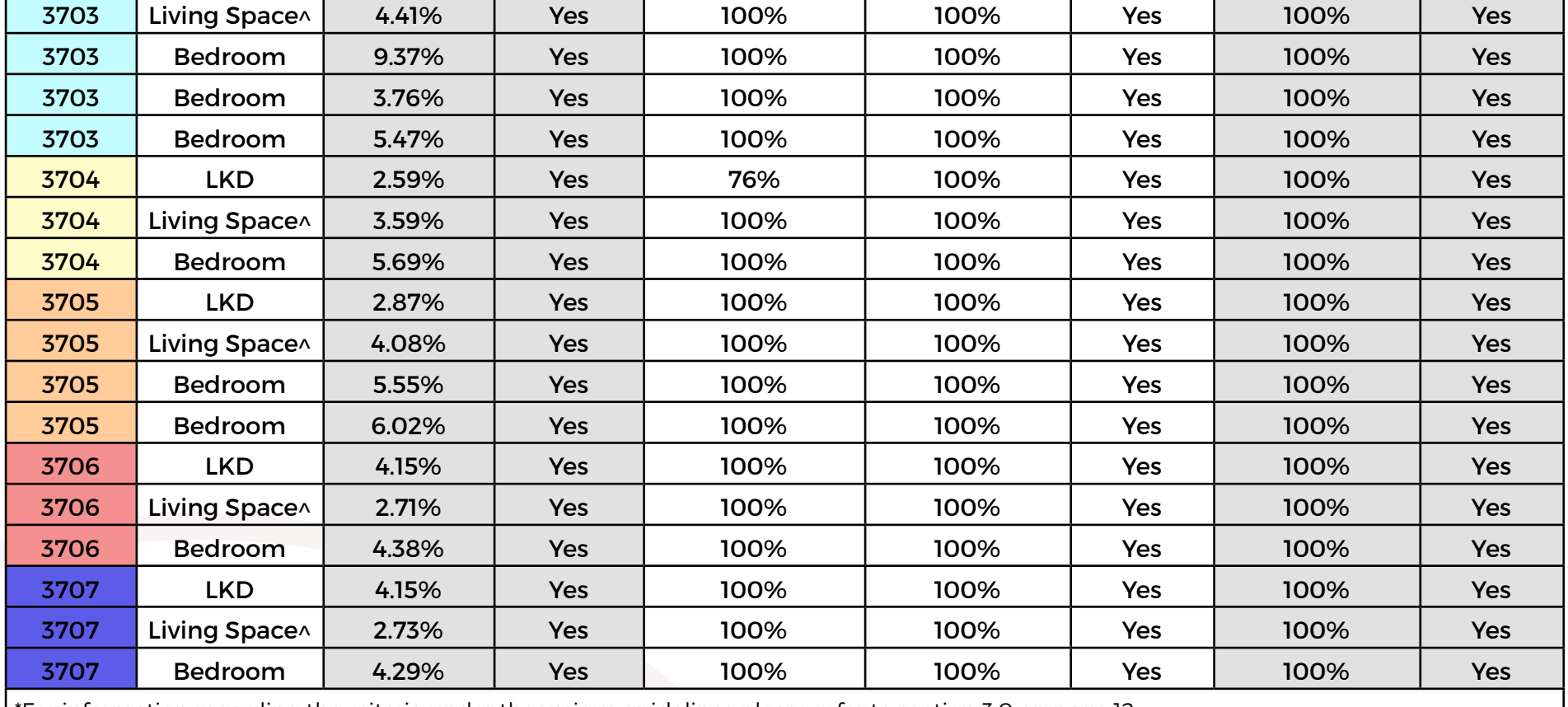

Figure 7.101: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.48 Block C - Level 07

Table No. 7.102: Alternative Daylight Standards Results: Block C - Level 07								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
3708	LKD	4.12%	Yes	100%	100%	Yes	100%	Yes
3708	Living Space^	2.73%	Yes	100%	100%	Yes	100%	Yes
3708	Bedroom	4.30%	Yes	100%	100%	Yes	100%	Yes
3709	LKD	4.12%	Yes	100%	100%	Yes	100%	Yes
3709	Living Space^	2.74%	Yes	100%	100%	Yes	100%	Yes
3709	Bedroom	4.36%	Yes	100%	100%	Yes	100%	Yes
3710	LKD	5.17%	Yes	100%	100%	Yes	100%	Yes
3710	Living Space^	6.46%	Yes	100%	100%	Yes	100%	Yes
3710	Bedroom	8.56%	Yes	100%	100%	Yes	100%	Yes
3711	LKD	6.75%	Yes	100%	100%	Yes	100%	Yes
3711	Living Space^	9.41%	Yes	100%	100%	Yes	100%	Yes
3711	Bedroom	3.06%	Yes	100%	100%	Yes	100%	Yes
3712	LKD	4.27%	Yes	81%	100%	Yes	98%	Yes
3712	Living Space^	6.35%	Yes	100%	100%	Yes	100%	Yes
3712	Bedroom	4.82%	Yes	100%	100%	Yes	100%	Yes
3713	LKD	4.60%	Yes	91%	100%	Yes	100%	Yes
3713	Living Space^	7.14%	Yes	100%	100%	Yes	100%	Yes
3713	Bedroom	3.96%	Yes	100%	100%	Yes	100%	Yes
3713	Bedroom	3.75%	Yes	100%	100%	Yes	100%	Yes
3714	LKD	3.20%	Yes	75%	100%	Yes	96%	Yes
3714	Living Space^	4.80%	Yes	100%	100%	Yes	100%	Yes
3714	Bedroom	3.01%	Yes	100%	100%	Yes	100%	Yes
3714	Bedroom	4.08%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.102: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.49 Block C - Level 08

Table No. 7.103: Alternative Daylight Standards Results: Block C - Level 08								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
3801	LKD	6.66%	Yes	100%	100%	Yes	100%	Yes
3801	Living Space^	10.30%	Yes	100%	100%	Yes	100%	Yes
3801	Bedroom	3.22%	Yes	100%	100%	Yes	100%	Yes
3802	LKD	6.51%	Yes	100%	100%	Yes	100%	Yes
3802	Living Space^	6.87%	Yes	100%	100%	Yes	100%	Yes
3802	Bedroom	3.94%	Yes	100%	100%	Yes	100%	Yes
3802	Bedroom	3.90%	Yes	100%	100%	Yes	100%	Yes
3803	LKD	5.54%	Yes	100%	100%	Yes	100%	Yes
3803	Living Space^	6.26%	Yes	100%	100%	Yes	100%	Yes
3803	Bedroom	11.10%	Yes	100%	100%	Yes	100%	Yes
3803	Bedroom	3.84%	Yes	100%	100%	Yes	100%	Yes
3803	Bedroom	6.03%	Yes	100%	100%	Yes	100%	Yes
3804	LKD	2.58%	Yes	75%	100%	Yes	100%	Yes
3804	Living Space^	3.61%	Yes	100%	100%	Yes	100%	Yes
3804	Bedroom	6.40%	Yes	100%	100%	Yes	100%	Yes
3805	LKD	2.88%	Yes	100%	100%	Yes	100%	Yes
3805	Living Space^	4.13%	Yes	100%	100%	Yes	100%	Yes
3805	Bedroom	6.23%	Yes	100%	100%	Yes	100%	Yes
3805	Bedroom	11.59%	Yes	100%	100%	Yes	100%	Yes
3806	LKD	4.01%	Yes	91%	100%	Yes	100%	Yes
3806	Living Space^	5.83%	Yes	100%	100%	Yes	100%	Yes
3806	Bedroom	8.64%	Yes	100%	100%	Yes	100%	Yes
3806	Bedroom	3.85%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.103: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.50 Block C - Level 09

Table No. 7.104: Alternative Daylight Standards Results: Block C - Level 09								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
3901	LKD	4.74%	Yes	100%	100%	Yes	100%	Yes
3901	Living Space^	6.26%	Yes	100%	100%	Yes	100%	Yes
3901	Bedroom	4.88%	Yes	100%	100%	Yes	100%	Yes
3901	Bedroom	4.76%	Yes	100%	100%	Yes	100%	Yes
3902	LKD	6.58%	Yes	100%	100%	Yes	100%	Yes
3902	Living Space^	7.16%	Yes	100%	100%	Yes	100%	Yes
3902	Bedroom	5.60%	Yes	100%	100%	Yes	100%	Yes
3902	Bedroom	5.21%	Yes	100%	100%	Yes	100%	Yes
3902	Bedroom	5.77%	Yes	100%	100%	Yes	100%	Yes
3903	LKD	2.87%	Yes	100%	100%	Yes	100%	Yes
3903	Living Space^	4.06%	Yes	100%	100%	Yes	100%	Yes
3903	Bedroom	5.57%	Yes	100%	100%	Yes	100%	Yes
3903	Bedroom	11.47%	Yes	100%	100%	Yes	100%	Yes
3904	LKD	3.98%	Yes	100%	100%	Yes	100%	Yes
3904	Living Space^	5.74%	Yes	100%	100%	Yes	100%	Yes
3904	Bedroom	9.06%	Yes	100%	100%	Yes	100%	Yes
3904	Bedroom	5.10%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.104: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.51 Block C - Level 10

Table No. 7.105: Alternative Daylight Standards Results: Block C - Level 10								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
31001	LKD	5.28%	Yes	100%	100%	Yes	100%	Yes
31001	Living Space^	7.03%	Yes	100%	100%	Yes	100%	Yes
31001	Bedroom	6.23%	Yes	100%	100%	Yes	100%	Yes
31001	Bedroom	6.03%	Yes	100%	100%	Yes	100%	Yes
31002	LKD	7.47%	Yes	100%	100%	Yes	100%	Yes
31002	Living Space^	8.20%	Yes	100%	100%	Yes	100%	Yes
31002	Bedroom	5.42%	Yes	100%	100%	Yes	100%	Yes
31002	Bedroom	6.07%	Yes	100%	100%	Yes	100%	Yes
31002	Bedroom	6.43%	Yes	100%	100%	Yes	100%	Yes
31003	LKD	2.86%	Yes	100%	100%	Yes	100%	Yes
31003	Living Space^	4.05%	Yes	100%	100%	Yes	100%	Yes
31003	Bedroom	6.24%	Yes	100%	100%	Yes	100%	Yes
31003	Bedroom	11.47%	Yes	100%	100%	Yes	100%	Yes
31004	LKD	4.16%	Yes	100%	100%	Yes	100%	Yes
31004	Living Space^	5.91%	Yes	100%	100%	Yes	100%	Yes
31004	Bedroom	8.50%	Yes	100%	100%	Yes	100%	Yes
31004	Bedroom	5.19%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.105: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.52 Block C - Level 11

Table No. 7.106: Alternative Daylight Standards Results: Block C - Level 11								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
31101	LKD	4.81%	Yes	100%	100%	Yes	100%	Yes
31101	Living Space^	6.34%	Yes	100%	100%	Yes	100%	Yes
31101	Bedroom	5.50%	Yes	100%	100%	Yes	100%	Yes
31101	Bedroom	5.40%	Yes	100%	100%	Yes	100%	Yes
31102	LKD	6.88%	Yes	100%	100%	Yes	100%	Yes
31102	Living Space^	7.52%	Yes	100%	100%	Yes	100%	Yes
31102	Bedroom	5.61%	Yes	100%	100%	Yes	100%	Yes
31102	Bedroom	5.48%	Yes	100%	100%	Yes	100%	Yes
31102	Bedroom	5.71%	Yes	100%	100%	Yes	100%	Yes
31103	LKD	2.83%	Yes	99%	100%	Yes	100%	Yes
31103	Living Space^	4.02%	Yes	100%	100%	Yes	100%	Yes
31103	Bedroom	11.73%	Yes	100%	100%	Yes	100%	Yes
31103	Bedroom	5.69%	Yes	100%	100%	Yes	100%	Yes
31104	LKD	4.31%	Yes	100%	100%	Yes	100%	Yes
31104	Living Space^	6.08%	Yes	100%	100%	Yes	100%	Yes
31104	Bedroom	9.50%	Yes	100%	100%	Yes	100%	Yes
31104	Bedroom	4.62%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.106: Floor plan of assessed rooms with keyplan highlighting the assessed block.

7.3.53 Block C - Level 12

Table No. 7.107: Alternative Daylight Standards Results: Block C - Level 12								
Unit Number	Room Description	BS 8206-2		EN 17037			BS_EN 17037	
		Predicted ADF	Meets Criteria*	% of area above 300 Lux (recommendation >50%)	% of area above 100 Lux (recommendation >95%)	Meets Criteria*	% of area above target Lux* (recommendation >50%)	Meets Criteria*
31201	LKD	4.96%	Yes	100%	100%	Yes	100%	Yes
31201	Living Space^	6.47%	Yes	100%	100%	Yes	100%	Yes
31201	Bedroom	5.60%	Yes	100%	100%	Yes	100%	Yes
31201	Bedroom	5.44%	Yes	100%	100%	Yes	100%	Yes
31202	LKD	7.07%	Yes	100%	100%	Yes	100%	Yes
31202	Living Space^	7.75%	Yes	100%	100%	Yes	100%	Yes
31202	Bedroom	5.86%	Yes	100%	100%	Yes	100%	Yes
31202	Bedroom	5.47%	Yes	100%	100%	Yes	100%	Yes
31202	Bedroom	5.73%	Yes	100%	100%	Yes	100%	Yes
31203	LKD	3.12%	Yes	100%	100%	Yes	100%	Yes
31203	Living Space^	4.46%	Yes	100%	100%	Yes	100%	Yes
31203	Bedroom	11.14%	Yes	100%	100%	Yes	100%	Yes
31203	Bedroom	5.75%	Yes	100%	100%	Yes	100%	Yes
31204	LKD	5.18%	Yes	100%	100%	Yes	100%	Yes
31204	Living Space^	7.45%	Yes	100%	100%	Yes	100%	Yes
31204	Bedroom	10.26%	Yes	100%	100%	Yes	100%	Yes
31204	Bedroom	4.80%	Yes	100%	100%	Yes	100%	Yes

*For information regarding the criteria under the various guidelines please refer to section 3.0 on page 12.

^An additional study has been carried out on the living space within the LKDs. The living space has been defined by the project architect and has been assessed as a standalone space in addition to the full LKD. This supplementary study does not contribute to the compliance rates.

Figure 7.107: Floor plan of assessed rooms with keyplan highlighting the assessed block.

8.0 Analysis of Results

Results were generated and analysed for the following studies:

- Vertical Sky Component
  - Clarity House
  - Killakee House
  - The Square Industrial Complex
  - Granted SHD: ABP-303306-18, Block A3
  - Granted SHD: ABP-303306-18, Block B1
  - Granted SHD: ABP-303306-18, Block B2
- Annual Probable Sunlight Hours
  - Granted SHD: ABP-303306-18, Block A3
  - Granted SHD: ABP-303306-18, Block B1
  - Granted SHD: ABP-303306-18, Block B2
- Sunlighting in Existing Amenity Spaces
  - Granted SHD: ABP-303306-18, Block B1
  - Granted SHD: ABP-303306-18, Block B2
- Sunlighting in Proposed Gardens/Amenity Spaces
  - 7 No. spaces in the proposed development.
- Average Daylight Factor
  - 816 No. rooms in the proposed development.

8.1 Analysis of Impact Assessment Results

8.1.1 Effect on Vertical Sky Component (VSC)

The effect on VSC has been assessed for 268 No. windows across the surrounding properties. Using the rationale explained in section 2.2 on page 6, the effect to VSC on 201 no. of these windows would be considered *imperceptible*, 30 no. *not significant*. 18 no. *slight*, 7 no. *moderate* and 12 no. *significant*.

This shows that ~75% of the assessed windows will experience an imperceptible level of effect.

Given the density of the proposed development the results of this study can be considered to be favourable. Over 90% of the assessed windows have shown a level of effect that is categorised between *imperceptible* and *slight*.

All 12 of the windows that recorded a *significant* level of impact are located under a balcony on Block B1 of the granted SHD: ABP-303306-18. The BRE Guidelines sate that:

"*Windows with balconies above them typically receive less daylight. Because the balcony cuts out light from the top part of the sky, even a modest obstruction opposite may result in a large relative impact on the VSC, and on the area receiving direct skylight*".

It is recommended within the BRE Guidelines that in such instances a secondary study can be carried out on these windows without the balcony in place to demonstrate that the balcony is a contributing factor to the perceived impact. This secondary study has been carried out for all windows of block B1 that are located under a balcony. In all instances the level of effect by the proposed development was significantly reduced, which demonstrates that the perceived high level of effect is due to the position of these windows under a balcony.

The complete results for the study on the effect on VSC caused by the proposed development can be found in Section 6.1 on page 21, with the results of the hypothetical study with the balconies removed in section 6.2 on page 41.

8.1.2 Effect on Annual/Winter Probable Sunlight Hours (APSH/WPSH)

The APSH/WPSH assessment has been carried out on the granted SHD (ABP-303306-18) that have an orientation within 90 degrees of due south.

The effect on APSH has been assessed for 211 no. of windows of the surrounding existing properties across the granted SHD (ABP-303306-18). Using the rationale explained in section 2.2 on page 6, the effect on the APSH of 189 no. of these windows would be considered *imperceptible*, **7 no.** *not significant*, **9 no.** *moderate* and 6 no. *significant* .

This shows that ~90% of the assessed windows have met the criteria for effect on APSH as set out in the BRE Guidelines.

The effect on WPSH has been assessed for the same 211 no. of windows as per the APSH Study. The effect on the WPSH of 209 no. of these windows would be considered *imperceptible*, with 1 no. *moderate* and **1** no. *significant*. These effects have been assigned per the rationale explained in section 2.2 on page 6.

This shows that ~99% of the assessed windows have met the criteria for effect on WPSH as set out in the BRE Guidelines.

The majority of the windows that did not meet the guidelines are located under a balcony. Similar to the VSC study, a balcony above a window can exaggerate the level of effect a proposed development is causing. The BRE recommends that a second study is carried out in this circumstance without the overhead obstruction, to determine if it is a contributing factor to the perceived impact. This secondary study has been carried out for all windows of the assessed properties that are located under a balcony. All of which show an imperceptible level of impact without the balcony, which demonstrates that the projected element is a contributing factor to the perceptible level of effect. The effect the balconies have is particularly evident in the windows identified in this report as 1i, 1j,1k,2i, 2j &2k on Block B1 of the granted SHD (ABP-303306-18). Each of these windows have registered a *significant* level of effect in the proposed state, but in each instance the level of effect would be compliant with the BRE Guidelines when assessed without the balconies.

Window 1g of the granted Block B1 is not located under balcony, yet the level of effect to the APSH is relatively high, *moderate* in the annual study and *significant* in the winter study. The reason for the high level of impact to this window is due its location, within a deep recess (~5m). This recess prevents the window from receiving sunlight for large portions of the day making it more susceptible to impacts from an adjacent obstruction. The fact that the level of effect to the windows on either side of this window, and all other windows that are not located within this deep recess are *imperceptible* in the WPSH study is evidence that the perceived high level of impact in this instance is due to localised factors rather than being caused solely by the massing of the proposed development.

No APSH assessment has been carried out on the windows of Clarity House, Killakee House or the Square Industrial Complex, as the windows of these buildings that face the proposed development do not have a southerly aspect.

The results of the study on APSH can be found in Section 6.3 on page 42, with the results of the hypothetical study with the balconies removed can be found in 6.4 on page 72

8.1.3 Effect on Sun On Ground in Existing Gardens

This study has assessed the effect the proposed development would have on the level of sun on ground on March 21st in the courtyards of Block B1 and B2 and the south facing balconies of Block B1 of the granted SHD (ABP-303306-18) that is located to the north of the proposed development.

The courtyard assessment has been taken at ground level, with the balcony study taken on a hypothetical plane at handrail level.

Both of the assessed courtyards and all assessed balconies have met the criteria for effect on sunlighting as set out in the BRE Guidelines and thus the level of effect can be considered *imperceptible*.

The complete results of the study on effect on sunlight the neighbouring gardens can be found In section 6.5 on page 74.

A visual representation of these readings can be seen in the 2 hour false colour plans in section 6.5 and in the hourly shadow diagrams for March 21st in section 6.6.1 on page 76.

8.2 Analysis of Scheme Performance Results

8.2.1 Sun On Ground in Proposed Outdoor Amenity Areas

This study has assessed the level of sunlight on March 21st within the proposed amenity areas.

In total 7 no. spaces have been assessed. 2 No. Podium level courtyards, 3 No. roof gardens, the proposed creche play area and the proposed public amenity area. All of the assessed spaces have far exceeded the minimum recommendations as per the BRE Guidelines and as such can be considered to be capable of receiving good levels of sunlight.

The complete results for the study on sunlighting in the proposed outdoor amenity spaces can be found in section 7.0 on page 85.

A visual representation of these readings can be seen in the false colour plan in section 7.0 and in the hourly shadow diagrams for March 21st in section 6.6.1 on page 76.

8.2.2 Average Daylight Factor (ADF)

This study has assessed the Average Daylight Factor (ADF) received in all habitable rooms across all floors of the proposed development. This has ensured that a clear understanding has been obtained of the performance of the scheme with regard to ADF.

This proposed development consists of 334 no. units of which 122 No. will be Build to Rent (BTR) residential units, there is also 4 no. live-work units. The combination of these units makes up circa 816 no. habitable rooms.

The ADF value in 764 no. habitable rooms meet or exceed their the recommended minimum as per the BRE Guidelines. This give a compliance rate of ~94%.

Should full ADF compliance be sought, design changes could be needed, such as the removal of balconies or a reduction of unit sizes. Such mitigation measures could reduce the quality of living within the proposed units to a greater degree than the improvements that would be gained with increased ADF values. The following compensatory considerations should also be taken into account.

With regards to internal daylighting, Section 6.7 of the Sustainable Urban Housing: Design Standards for New Apartments December 2020, states the following:

"*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 taking account of its assessment of specific (sic). 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 streetscape solution.*"

Furthermore, Section 3.2 of the Urban Development and Building Heights: Guidelines for Planning Authorities December 2018, states the following:

"*Where a proposal may not be able to fully meet all 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, in respect of which the planning authority or An Bord Pleanála should apply their discretion, having regard to local factors including specific site constraints 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 streetscape solution.*"

Based on the above statements, compensatory measures have been incorporated into the design of the proposed development where rooms do not achieve the daylight provision targets in accordance with the standards they were assessed against.

The mitigation and compensatory measures are summarised as follows:

- 44% of the apartment units are dual aspect which is above the 33% minimum requirement as required by the Design Standards (Dec 2020). As a result, more apartment units than the recommended minimum will achieve quality daylight from dual-aspect orientations.
- An additional 10% of external communal open space above the minimum requirements required by the Design Standards (Dec 2020) is proposed across the development. Part of which was an increase and improvement to the roof terrace areas. This provided additional communal outdoor space for the benefit of these specific units as well as for all residents. These spaces will benefit from significant amounts of sunlight due to their location and orientation. As part of all the roof terrace design, planting will be introduced to screen the space and help alleviate the wind at this height. This measure will help to ensure the quality and usability of the space.
- As outlined earlier in this document a variety of internal communal amenity spaces are provided throughout the scheme for the residents to enjoy. These spaces encourage the residents to collaborate and socialise together encouraging the creation of a community. The total area of these spaces is significant at 924sqm. Whilst these non-residential rooms have not been included in the calculation of compliance rates, they could be included as part of the compensatory design solution.

- All apartment units except eight units (Apartments 1114, 1204, 1304, 1404, 1504, 1604, 1704 and 1804 which are all Build to Rent units and as such a balcony is not required under the guidelines) are provided with a private amenity balcony space which is accessed directly from the main living space. These balconies comply with the minimum depth and area requirements as set out in the apartment design standards. Where possible balconies have been off-set to reduce the impact of over shading to the unit below however they still do impact. The value for the user to have a private balcony space is seen as important even with the understanding of the effects of over-shading to the unit below.
- Although the ADF target values are referenced within BS 8206-2:2008, it also states,

"*The aim of the standard is to give guidance to architects, builders and others who carry out lighting design. It is recognised that lighting is only one of many matters that influence fenestration. These include other aspects of environmental performance (such as noise, thermal equilibrium and the control of energy use), fire hazards, constructional requirements, the external appearance and the surroundings of the site. The best design for a building does not necessarily incorporate the ideal solution for any individual function. For this reason, careful judgement should be exercised when using the criteria given in the standard for other purposes, particularly town planning.*"

For combined Living/Kitchen/Dining areas, the living area is typically treated as the main area of activity, with the kitchen being placed at the back of the space. This design decision is understandable as the kitchen area is typically a transient space as its primary functional purpose is to serve as a food preparation area. Additionally, not every space within a commercially viable apartment development can be in direct connection with an exterior elevation, making the kitchen the obvious choice for this position given that it is a transient space that will require supplementary electric lighting.

Furthermore, all 41 No. LKDs that do not meet the recommended minimum ADF have a good glass to floor ratio, as such these rooms will have good levels of daylight in the portion of the room closest to the large windows. This is evident secondary study was carried out on the living spaces within the proposed development. This additional study assessed the level of daylight within the living space of the LKD as defined by the architect. All assessed living spaces exceeded the recommended minimum ADF. The kitchen of these units may require additional electric lighting for parts of the day, but the future residents will have access to adequate levels of daylight in the main living space of the apartment.

Given the level of density that is being targeted by the proposed development, the results of the ADF study could be considered to be favourable.

The results for the study on ADF can be seen in section 7.2 on page 86.

9.0 Conclusion

3D Design Bureau (3DDB) were commissioned to carry out a daylight assessment, sunlight assessment and shadow study for the proposed SHD on the ABB Site on Belgard Road, Dublin 24

This assessment indicates that the proposed development will have an imperceptible level of affect on the vast majority of existing neighbouring window. Whilst there are a number of windows that would sustain a perceptible level of affect on the granted scheme to the north of the proposed development (ABP-303306-18), the studies carried out as part of this report have demonstrated that these impacts are partially due to localised factors within the affected properties.

Given the density of the proposed scheme, the level of effect on daylight and sunlight to the surrounding properties can be considered favourable.

Finally, future occupants will enjoy sufficient levels of daylight within the vast majority of the proposed units and will have access to amenity areas that are capable of receiving excellent levels of sunlight.