Delap & Waller

Clongriffin - Blocks 5 & 6

Daylight and Sunlight Performance Assessment
Associated with Proposed Development at
Clongriffin Blocks 5 & 6
Report 1 of 2
08/08/2024

Contents

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Revision History

Revision	Date	By	Checked	Approved
00	14/05/2024	RR/DN/RY	DN	RY
01	20/05/2024	RR/DN/RY	DN	RY
02	21/05/2024	RR/DN/RY	DN	RY
03	01/07/2024	RY/DN/RR	DN	RY
04	04/07/2024	RY/DN/RR	DN	RY
05	22/07/2024	RY/DN/RR	DN	RY
06	24/07/2024	RY/DN/RR	DN	RY
07	06/08/2024	RY/DN/RR	DN	RY
08	08/08/2024	RY/DN/RR	DN	RY

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1.0 Executive Summary

This report has been prepared by Delap and Waller for the Land Development Agency (LDA) to assess the levels of natural daylighting within the assessed areas of the proposed Clongriffin, Blocks 5 & 6. Appendix 16 of the Dublin City Council's Development Plan 2022-2028, recommends that Daylight and Sunlight assessments should consist of two parts. The first part should assess the daylight and sunlight performance of the proposed development and the second report assessing the impact of the proposed development on the existing nearby environment.

For this reason, the Daylight and Sunlight assessment is split into two reports. This report is the first of two reports for the development, the second report assesses the impact of the proposed development to the existing nearest sensitive receptors, and must be read in conjunction with this report. The daylighting analysis has been carried out as per guidelines and recommendations within The Building Research Establishment (BRE) guidelines 'site layout planning for Daylight and Sunlight: A Guide to Good Practice (2022) and BS EN17037 – provide useful guidance on avoiding unacceptable loss of light and ensuring developments provide minimum standards of daylight for new units.' The analysis includes the relevant assessments as outlined in Appendix 16 of the Dublin City Development Plan 2022-2028. It should be noted that the BRE guidelines takes precedent for such assessments, within the 3rd edition of the BRE guidance document the metric of assessment for internal daylighting levels changed to illuminance lux levels, otherwise known as Spatial Daylight Autonomy (sDA), as opposed to Average Daylight Factor (ADF). While ADF is listed in Appendix 16 of the Dublin City Development Plan, the sDA is the most recent and therefore relevant assessment methodology for Clongriffin Blocks 5 & 6.

Clongriffin Blocks 5 & 6 are two number three to seven storey residential accommodation building. Block 5 consists of 138 and block 6 consists of 270 accommodation units respectfully, each with bedroom/living areas, bathrooms and circulation space. All apartments have been selected as part of the daylighting assessment for the purpose of the planning submission.

In accordance with the BRE guidelines 'site layout planning for Daylight and Sunlight: A Guide to Good Practice (2022) Internal daylight provision is to now be assessed based on the advice and guidance in BS EN 17037:2018 Daylight in buildings. BS EN 17037 supersedes BS 8206 Part 2 "Code of practice for daylighting", which contained a method of assessment based on Average Daylight Factor, which is now no longer recommended. The analysis demonstrates that **94.12%** of rooms within Block 5 and **90.13%** of rooms within Block 6 comply with the recommendations for BRE209.

When assessing the availability of sunlight to amenity spaces It is recommended that for it to appear adequately sunlit throughout the year, at least half of an amenity area should receive at least two hours of sunlight on 21 March. The analysis is carried out for the amenity spaces within Block 5 and Block 6, as well as the adjacent open amenity space of Grant Park. The analysis shows that all amenity areas within the proposed development exceed the minimum sun hours on ground with an average of **84.50%** of area receiving two hours of sunlight on 21st March. The amenity area to the creche has been redesigned to ensure that **50.42%** of its amenity space receives two hours of sunlight on 21st March. The Grant Park amenity area exceeds the minimum requirements with **99.97%** of its amenity space receiving two hours of sunlight on 21st March.

It is important that the guidelines that exist in relation to daylight and sunlight are read in the correct context and are not viewed as mandatory requirements. Requirements for daylight should be balanced against other elements of the design such as energy performance, access to private space, and balancing the risk of overheating. Having carried out a comprehensive assessment, the majority of habitable rooms with the proposed Blocks 5 & 6 of Clongriffin achieve

the best practice industry guidelines in relation to Daylight, Sunlight and Overshadowing as outlined in the BRE Guide and EN 17037:2018 – Daylight in Buildings.

Daylighting is one element of the building design and performance Consideration should always be given to the holistic the design and performance of dwellings such as energy efficiency, Home Performance Index requirements, overheating risk and compliance with Part L of the building regulations

2.0 Assessment Methodology

2.1 Architectural Design

The dynamic simulation model was generated using the site plan, floor plans, sections, elevations provided by CCK Architects for Clongriffin blocks 5 & 6. The tables below summarises the schedule of drawings for the two apartment blocks.

Block 5			
Title	Drawing Number	Revision	Date
Floor Plans	CLN-CCK-B5-01-M2-A-000100-Block_5_L0/L1/L2/L3/L4/L5LR	P01	19/07/2024
Elevations	CLN-CCK-B5-ZZ-M2-A-000200-Block_5_Elevations	P01	19/07/2024
Sections	Section A-A/B-B/C-C/D-D	P01	19/07/2024

Table 1: Architectural design Block 5

Block 6			
Title	Drawing Number	Revision	Date
Floor Plans	CLN-CCK-B6-01-M2-A-000100-Block_6_L0/L1/L1/L3/L4/L5/L6/LR	P01	19/07/2024
Elevations	CLN-CCK-B6-ZZ-M2-A-000200-Block_6_Elevations	P01	19/07/2024
Sections	Section A-A/B-B	P01	19/07/2024

Table 2: Architectural design Block 6

2.2 Software

The modelling was carried out using IES Virtual Environment Software Version 2023 for the Building Regulation assessments, this software complies with the requirements of the Chartered Institute of Building Services Engineers (CIBSE), which has been validated under the CIBSE TM33, and has been approved by the Ministry of Housing, Communities and Local Government for such calculations.

2.3 Simulation Weather Data

The daylight analysis has been carried out using average weather data appropriate to the location of the proposed dwelling. In accordance with the requirements of EN17037 and BR209 2022 the weather file 'DublinIWEC.fwt' has been used as per BR209:2022 requirements.

2.4 Assessment Scope

The daylight assessment was conducted for habitable spaces, specifically targeting Kitchens/Living/Dining (KLD) areas and Bedrooms within Blocks 5 and 6. In Block 5, the configuration includes 52 one-bedroom units, 83 two-bedroom units, and 3 three-bedroom units. Meanwhile, Block 6 features 123 one-bedroom units and 147 two-bedroom units. Overall, the daylight assessments encompassed a total of 631 bedrooms and 405 KLD spaces across both blocks, ensuring a comprehensive evaluation of natural light availability in these residential units.

2.5 Sensitive Receptors

According to the BRE guide, when evaluating the potential impact of a proposed development on existing buildings, only windows and rooms with a 'reasonable expectation' of receiving daylight and sunlight should be considered. These are termed 'sensitive receptors'. Paragraph 2.2.2 of the BRE guide specifies that: "The guidelines given here are intended for use for rooms in adjoining dwellings where daylight is required, including living rooms, kitchens and bedrooms. Windows to bathrooms, toilets, storerooms, circulation areas and garages need not be analysed. The guidelines may also be applied to any existing non-domestic building where the occupants have a reasonable expectation of daylight; this would normally include schools, hospitals, hotels and hostels, small workshops and some offices."

2.6 Dublin City Development Plan 2022-2028

Appendix 16 of the Dublin City Development Plan 2022-2018, sets out the required assessments that should be carried out when preparing daylight and sunlight assessments for planning. The text below is extracted from this Appendix.

Assessment Methodologies

The following section outlines the expected methodology for daylight and sunlight reports to be submitted with planning applications. Daylight and sunlight assessments will generally consist of two parts, being (a) how the proposed development performs and (b) how the proposed development impacts levels of daylight and sunlight availability in surrounding existing buildings. Until such time when BR 209 is updated and all relevant and required information is included (i.e. removal of reference to BS 8206-2 and inclusion of metrics within BS EN 17037), the planning authority will request metrics from both BS 8206-2 and BS EN 17037. These are outlined below for clarity.

Performance of the Proposed Development:

- *Annual Probable Sunlight Hours on all relevant windows*
- *Winter Sunlight Hours on all relevant windows.*
- *Sunlight on Ground in all amenity spaces*
- *Average Daylight Factor in all habitable rooms.*
- *No Sky Line in all habitable rooms.*
- *Target Illuminance in all habitable rooms*

Impact on the Surrounding Properties:

- *Vertical Sky Component on all relevant surrounding windows*
- *Annual Probable Sunlight Hours on all relevant surrounding windows*
- *Winter Sunlight Hours on all relevant surrounding windows*
- *Sunlight on Ground in all surrounding amenity spaces*

It should be noted that the guidance and assessment methodology set out in Appendix 16 of the DCC development plan is based on guidance from the outdated BR 209 (2011) – Site Layout Planning for Daylight and Sunlight, A Guide to Good Practice (Second Edition). It should be noted that the BRE Third Edition (2022) is the appropriate guidance document for daylighting assessments. Within the 3rd edition of the BRE guidance document the metric of assessment for internal daylighting levels changed to illuminance lux levels, otherwise known as Spatial Daylight Autonomy (sDA), as opposed to Average Daylight Factor (ADF). While ADF is listed in Appendix 16 of the Dublin City Development Plan, the sDA is the most recent and therefore relevant assessment methodology for Clongriffin Blocks 5 & 6. The recent BRE guidance sets out that the most appropriate assessments to determine the performance of the proposed development include; Spatial Daylight Illuminance and Sunlight on Ground in all amenity spaces. Therefore these assessments form the focus of this report, with the APSH assessment listed in Appendix D.

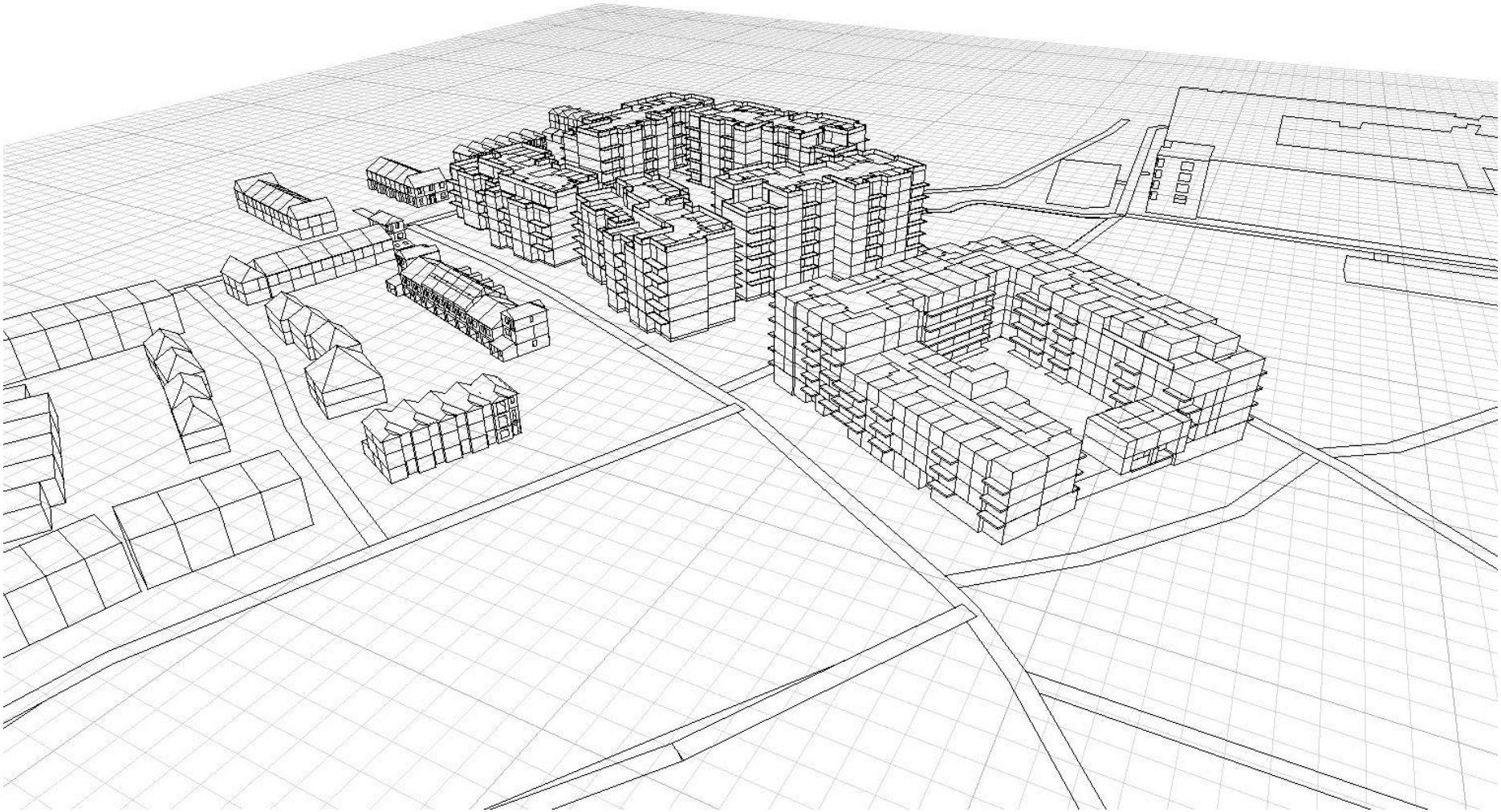


Figure 1: Clongriffin, Blocks 5 and 6 IES Model View

3.0 Assessment Criteria

The analysis and assessments are based on the guidelines set out in the BRE guide (BR 209) “Site Layout for Daylight and Sunlight, A Guide to Good Practice” 2022 3rd Edition. The guidelines in this documents are intended to be used in conjunction with recommendation in BS EN17037, and CIBSE Lighting Guide (LG10): daylighting and window design. The guideline requires that for assessing the daylight and sunlight within the proposed development, the assessment should analyse the sDA and Sun Hours in Amenity spaces. These analysis are within the main body of the report. Appendix 16 of DCC’s Development Plan 2022-2028, references the superseded 2nd Edition of the BRE Guide (2011),within which Annual Probable Sunlight Hours (APSH) assessment is recommended for the proposed development. This analysis is included in this report for supplementary information and is detailed in Appendix D. The Daylighting performance is not a statutory requirement within Building Regulations and the numerical requirements within the above documents are guidelines. The results of which should be interpreted flexibly since natural lighting is only one of many factors in the site layout design, such as energy performance and thermal comfort. The following sub-sections outline the methodology and assessment criteria used.

3.1 Performance of Proposed Development

3.1.1 Spatial Daylight Autonomy (sDA)

Spatial Daylight Autonomy (sDA) metric which assess how much of an area receives sufficient daylight on a working plane during daylight hours on an annual basis, it is a climatic based daylight assessment.

BRE guide (BR 209) “Site Layout for Daylight and Sunlight, A Guide to Good Practice” 2022 3rd Edition outlines the following recommendations for daylight provision within a space:

“A space is considered to provide adequate daylight if a target illuminance level is achieved across a fraction of the reference plane within a space for at least half of the daylight hours. In addition, for spaces with vertical or inclined daylight openings, a minimum target illuminance level is also to be achieved across the reference plane. The reference plane of the space is located 0.85m above the floor, unless otherwise specified. A small fraction of the reference plane may be disregarded to account for singularities.

Appendix C of BRE Site Layout for Daylight and Sunlight (2022), details the specific recommendations for daylight provision in UK dwellings, which apply to Irish dwellings.

The National Annex therefore provides the UK guidance on minimum daylight provision in all UK dwellings.The UK National Annex gives illuminance recommendations of **100 lux in bedrooms, 150 lux in living rooms and 200 lux in kitchens**. These are the median illuminances, to be exceeded over at least 50% of the assessment points in the room for at least half of the daylight hours. The recommended levels over 95% of a reference plane need not apply to dwellings in the UK.

Where a room has a shared use, the highest target should apply. For example in a bed sitting room in student accommodation, the value for a living room should be used if students would often spend time in their rooms during the day. Local authorities could use discretion here. For example, the target for a living room could be used for a combined living/dining/kitchen area if the kitchens are not treated as habitable spaces, as it may avoid small separate kitchens in a design. The kitchen space would still need to be included in the assessment area.

The sDA assessment and results are summarised in Section 5.1 of this report, with the full room by room results listed in Appendix B.

3.1.2 Sunlight to Amenities & Open spaces

Effective site layout planning for daylight and sunlight should go beyond ensuring natural lighting within buildings. Sunlight in the spaces between buildings significantly enhances the overall appearance and ambiance of a development.

“It is recommended that for it to appear adequately sunlit throughout the year, at least half of a garden or amenity area should receive at least two hours of sunlight on 21 March. The analysis is carried out for the amenity spaces within Block 5 and Block 6, as well as the adjacent open amenity space of Grant Park.

3.1.3 Annual Probable Sunlight Hours

To assess the Annual Probable Sunlight Hours expected on a window, it is suggested that all main living rooms of dwellings, and conservatories, should be checked if they have a window facing within 90° of due south. Kitchens and bedrooms are less important, although care should be taken not to block too much sun. Normally loss of sunlight need not be analysed to kitchens and bedrooms, except for bedrooms that also comprise a living space, for example a bed sitting room in an old people’s home. In non-domestic buildings any spaces that are deemed to have a special requirement for sunlight should be checked; they will normally face within 90° of due south anyway

If a room can receive more than one quarter of annual probable sunlight hours (APSH), including at least 5% of APSH in the winter months between 21 September and 21 March, then it should still receive enough sunlight.

It is not always necessary to do a full calculation to check sunlight potential. The guideline above is met provided either of the following is true:

- If the distance of each part of the new development from the existing window is three or more times its height above the centre of the existing window
- The window wall faces within 90° of due south and no obstruction, measured in the section perpendicular to the window wall, subtends an angle of more than 25° to the horizontal (Figure 14 in section 2.2). Again, obstructions within 90° of due north of the existing window need not be counted.
- The window wall faces within 20° of due south and the reference point has a VSC (section 2.1) of 27% or more.

The assessment below includes windows which do not meet all of the above criteria, therefore windows which are North-West, North-East or South-East facing with no obstructions have been excluded as per the BRE guidance above. It should be noted that APSH is not a detailed measurement of daylight quality and should be used in conjunction the Spatial Daylight Autonomy Results in the main report.The annual probable sunlight hours assessment is detailed in Appendix D.

4.0 Daylighting Methodology

The daylighting assessment at Clongriffin, has been modelled using IES Virtual Environment software's Radiance IES module. Radiance is internationally recognised as one of the leading lighting simulation tools available. A three-dimensional geometric model of the physical environment, generating a photo-realistic colour image is produced detailing the spectral radiance values.

4.1 Model Conditions

The analysis is carried out using Climate Based Daylight Modelling (CBDM). CBDM is the prediction of various radiant or luminous quantities using daylight conditions derived from standard meteorological datasets. Climate-based modelling delivers predictions of absolute quantities (e.g. illuminance) that are dependent on the location and the building orientation, in addition to the building's composition and configuration.

4.2 Working Plane

This is the horizontal, vertical or inclined plane in which a visual task lies. For residential daylighting assessments the working plane is taken as 0.85m horizontal from the floor level.

4.3 Building Fabric

The table below details the surface reflectance properties that were used in the spatial daylight autonomy (sDA) analysis.

Material Surface	Reflectance Value	Glazing Information
Internal Walls	0.75	-
Internal Ceilings	0.85	-
Internal Floor	0.35	-
External Wall	0.50	-
External Roof	0.50	-
External Ground	0.35	-
Window Light Transmittance / Frame Factor	-	71.00% / 20.00%

Table 4: Surface Reflectance Values

5.0 Proposed Development

5.1 sDA Results

Spatial Daylight Autonomy (sDA) is a metric which assess how much of an area receives sufficient daylight on a working plane during daylight hours on an annual basis, it is a climatic based daylight assessment.

Appendix C of BRE Site Layout for Daylight and Sunlight (2022), details the specific recommendations for daylight provision in UK dwellings, which apply to Irish dwellings. The National Annex therefore provides the UK guidance on minimum daylight provision in all UK dwellings. The UK National Annex gives illuminance recommendations of **100 lux in bedrooms, 150 lux in living rooms and 200 lux in kitchens**. These are the median illuminances, to be exceeded over at least 50% of the assessment points in the room for at least half of the daylight hours. The recommended levels over 95% of a reference plane need not apply to dwellings in the UK.

As per Appendix C of Appendix C of BRE Site Layout for Daylight and Sunlight (2022), details the specific recommendations for daylight provision in UK dwellings, which apply to Irish dwellings.

The National Annex therefore provides the UK guidance on minimum daylight provision in all UK dwellings.The UK National Annex gives illuminance recommendations of **100 lux in bedrooms, 150 lux in living rooms and 200 lux in kitchens**. These are the median illuminances, to be exceeded over at least 50% of the assessment points in the room for at least half of the daylight hours. The recommended levels over 95% of a reference plane need not apply to dwellings in the UK. The following targets were adopted for all spaces assessed during this analysis for Clongriffin.

Bedrooms:

• 100 Lux achieved for 50.00% of hours across at least 50.00% of the floor area.

Kitchen/Living/Dining:

• 200 Lux achieved for 50.00% of hours across at least 50.00% of the floor area.

The table below summarises the sDA results for all assessed areas within each block.

5.1.1 Block 5 sDA Results

Floor	Room Type	Target Lux (50% hours across >50% floor area)	Number of rooms assessed	Number of Rooms Compliance	% meeting criteria
0	Bedroom	100	15	15	100.00%
0	KLD	200	10	10	100.00%
1	Bedroom	100	52	52	100.00%
1	KLD	200	30	21	70.00%
2	Bedroom	100	47	47	100.00%
2	KLD	200	29	23	75.86%
3	Bedroom	100	47	47	100.00%
3	KLD	200	29	26	89.66%
4	Bedroom	100	33	33	100.00%
4	KLD	200	21	19	90.48%
5	Bedroom	100	29	29	100.00%
5	KLD	200	19	19	100.00%
Total		361	341		94.45

Table 5 : Block 5 sDA Results

sDA results Block 5			
Result	**No. of rooms tested**	**Result reference note**	
Reasonable levels of daylight would be provided; see **Note A**	**341**	**Result A: All units meet or exceed the 50% threshold.** As the levels of natural light predicted for this room exceed the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would be available.	
Reasonable levels of skylight would be provided; see **Note B**	**11**	**Result B: Results range from 40-49%, marginally below the 50% threshold.** As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.	
Reasonable levels of skylight would be provided locally; see **Note C**	**9**	**Result C: Results range from 15-39%, below the 50% threshold.** While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window.	
Total no. rooms tested	361		

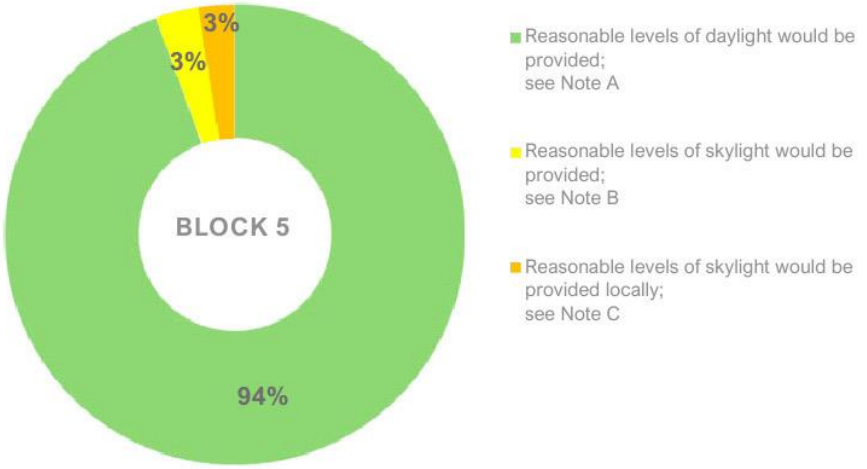


Figure 3:Block 5 sDA Results

The analysis demonstrates that 94.45% of rooms within Block 5 comply with the recommendations in BRE Site Layout for Daylight and Sunlight (2022). Appendix B of this report details the sDA results for all assessed rooms within Block 5. Those rooms which fall below the recommended illuminance levels in BRE Site Layout for Daylight and Sunlight (2022) are identified in figures 4-7, along with the compensatory aspects for each room. These can be examined in greater detail in Appendix C of this report.

Block 5 Macro Compensatory Measures

The NPF supports a national strategy for sustainable development which is tied to the efficient use of zoned land in urban areas and particularly around transport nodes. Clongriffin has benefited from substantial investment in a new dart station, an emerging new BusConnects hub and an extensive park network. It is designed as a people first place with street based retail and services ensuring a vibrant and safe public realm. Section 28 Sustainable and Compact Settlement guidelines outline the placemaking and quality design methodologies for successful compact neighbourhoods.

SDRA 1 Clongriffin/Belmayne is an objective of Dublin City Development Plan. The long term vision for this area was first set out in the North Fringe Area Action Plan of 2000. It is for a highly sustainable mixed use neighbourhood centred on key public transport interchanges with a distinct identity and sense of place. The central area will be an urban town centre and this has been expressed in successive planning permissions for a compact urban centre with a quality public realm.

This application closely follows the established form of the permitted development on this site. Benefits flow from the increased intensity of development in the centre, the efficient use of land, a vibrant mixed use centre and all with high quality parks and green links locally and to the coast. The viability, and so the available offer, of retail, hospitality and service facilities is improved with the additional population and the diversity of dwelling typologies and occupants that comes with urban scale.

The objective for an urban scale brings with it a convenience and diversity of facilities which compensates for the proximity and intensity of buildings. In the present case of Blocks 5 and 6, they are located within 500m of the dart and bus transport hub, the town square, local supermarket and main street shops, some open and some already constructed shells awaiting sufficient population to trade. Both blocks have immediate links to the panhandle park and the excellent Fr.Collins Park beyond. The Mayne river linear park will link east to the extensive Baldoyle Nature Park, itself linked to the coast and the east coast cycle route.

The communal open space amenities of both blocks are excellent. Block 5 has a sunny courtyard garden and a roof garden facing west down the interlinked parks. Block 6 has a large landscaped courtyard garden which is also is sunny and considerably oversized.

The attributes of individual apartments with less optimum lighting than the over 90% majority are outlined below in detail below on a case by case basis.

Block 5 - Compensatory aspects of apartments with below optimum daylighting

First Floor Level				
UNIT No	Score	Room	Orientation	Compensatory Aspects
05.01.01	C	KLD	East/Southeast	Balcony sunlit from south, room 5% oversize, large window with view to landscaped courtyard.
05.01.08	B	KLD	East/Southeast	Room 5% oversize, large window with 24m view through land-scaped courtyard.
05.01.14	B	KLD	South/Southwest	Excellent sunlit orientation, large window with 35m view of land-scaped courtyard. Opposing edge 2 storeys.
05.01.15	C	KLD	South/Southwest	Excellent sunlit orientation, large window with 35m view of land-scaped courtyard. Opposing edge 2 storeys.
05.01.16	B	KLD	South/Southwest	Excellent sunlit orientation, large window with 35m view of land-scaped courtyard Opposing edge 2 storeys.
05.01.24	B	KLD	West/Northwest	Evening light, large window with 24m view through landscaped courtyard. Opposing edge 3 storeys.
05.01.25	C	KLD	West/Northwest	Late afternoon sun, large window with 24m view through land-scaped courtyard. Opposing edge 3 storeys.
05.01.26	C	KLD	West/Northwest	Late afternoon sun, large window with 24m view through land-scaped courtyard. Opposing edge 3 storeys.
05.01.27	C	KLD	West/Northwest	Late afternoon sun, room 7% oversize, large window with 26m view of landscaped courtyard. Opposing edge 3 storeys. Dual aspect.

Key: 05.01.01 means Block 5, Floor 1, Apt 1. Colours: A green, B yellow, C orange, D blue. Classification notes are the professional opinion of D&W per D+W lighting report and based on the advice and guidance in BS EN 17037:2018 Daylight in Buildings.

B: 40-49% Pass Rate. As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

C: 20-39% Pass Rate. While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window. This is generally a kitchen counter with task lighting.

Figure 4: Block 5 Compensatory Aspects

Block 5 - Compensatory aspects of apartments with below optimum daylighting

Second Floor Level				
UNIT No	Score	Room	Orientation	Compensatory Aspects
05.02.14	B	KLD	South/Southwest	Excellent sunlit orientation, large window with 35m view of landscaped courtyard. Opposing edge 2 storeys
05.02.15	C	KLD	South/Southwest	Excellent sunlit orientation, large window with 35m view of landscaped courtyard. Opposing edge 2 storeys.
05.02.25	B	KLD	West/Northwest	Evening light, large window with 24m view through landscaped courtyard. Opposing edge 3 storeys.
05.02.26	B	KLD	West/Northwest	Late afternoon sun, large window with 24m view through landscaped courtyard. Opposing edge 3 storeys.
05.02.27	B	KLD	West/Northwest	Late afternoon sun, large window with 24m view through landscaped courtyard. Opposing edge 3 storeys.
05.02.28	C	KLD	West/Northwest	Late afternoon sun, room 7% oversize, large window with 26m view of landscaped courtyard. Views across roof terrace opposite. Dual aspect

Key: 05.01.01 means Block 5, Floor 1, Apt 1. Colours: A green, B yellow, C orange, D blue. Classification notes are the professional opinion of D&W per D+W lighting report and based on the advice and guidance in BS EN 17037:2018 Daylight in Buildings.

B: 40-49% Pass Rate. As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

C: 20-39% Pass Rate. While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window. This is generally a kitchen counter with task lighting.

Figure 5: Block 5 Compensatory Aspects

Block 5 - Compensatory aspects of apartments with below optimum daylighting

Third Floor Level				
UNIT No	Score	Room	Orientation	Compensatory Aspects
05.03.15	C	KLD	South/Southwest	Excellent sunlit orientation, large window with 35m view of land-scaped courtyard. Apartment is a storey higher than opposing side.
05.03.26	B	KLD	West/Northwest	Late afternoon sun, large window with 24m view through land-scaped courtyard. Opposing edge 3 storeys also.
05.03.28	C	KLD	West/Northwest	Late afternoon sun, room 7% oversize, large window with 26m view of landscaped courtyard. Opposing edge 3 storeys also. Dual aspect

Key: 05.01.01 means Block 5, Floor 1, Apt 1. Colours: A green, B yellow, C orange, D blue. Classification notes are the professional opinion of D&W per D+W lighting report and based on the advice and guidance in BS EN 17037:2018 Daylight in Buildings.

B: 40-49% Pass Rate. As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

C: 20-39% Pass Rate. While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window. This is generally a kitchen counter with task lighting.

Figure 6: Block 5 Compensatory Aspects

Block 5 - Compensatory aspects of apartments with below optimum daylighting

Level 4				
UNIT No	Score	Room	Orientation	Compensatory Aspects
05.04.07	B	KLD	West/Northwest	Afternoon sun, long unopposed parkland view. Dual aspect, living area modestly oversized.
05.04.20	B	KLD	West/Northwest	Late afternoon sun, room 7% oversize, large window with 26m view of landscaped courtyard. Views across roof terrace opposite. Dual aspect

Key: 05.01.01 means Block 5, Floor 1, Apt 1. Colours: A green, B yellow, C orange, D blue. Classification notes are the professional opinion of D&W per D+W lighting report and based on the advice and guidance in BS EN 17037:2018 Daylight in Buildings.

B: 40-49% Pass Rate. As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

C: 20-39% Pass Rate. While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window. This is generally a kitchen counter with task lighting.

Figure 7: Block 5 Compensatory Aspects

5.1.2 Block 6 sDA Results

Floor	Room Type	Target Lux (50% hours across >50% floor area)	Number of rooms assessed	Number of Rooms Compliance	% meeting criteria
0	Bedroom	100	27	27	100.00%
0	KLD	200	18	15	83.33%
1	Bedroom	100	78	72	92.31%
1	KLD	200	50	36	72.00%
2	Bedroom	100	77	73	96.15%
2	KLD	200	50	38	80.00%
3	Bedroom	100	78	73	96.15%
3	KLD	200	50	40	82.00%
4	Bedroom	100	72	68	94.44%
4	KLD	200	47	41	87.23%
5	Bedroom	100	52	52	100.00%
5	KLD	200	34	29	79.41%
6	Bedroom	100	27	27	100.00%
6	KLD	200	18	18	100.00%
Total		679	609		89.69

Table 6: Block 6 sDA Results

sDA results Block 6			
Result	**No. of rooms tested**	**Result reference note**	
Reasonable levels of daylight would be provided; see **Note A**	**609**	**Result A: All units meet or exceed the 50% threshold.** As the levels of natural light predicted for this room exceed the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would be available.	
Reasonable levels of skylight would be provided; see **Note B**	**29**	**Result B: Results range from 40-49%, marginally below the 50% threshold.** As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.	
Reasonable levels of skylight would be provided locally; see **Note C**	**41**	**Result C: Results range from 15-39%, below the 50% threshold.** While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window.	
Total no. rooms tested	679		

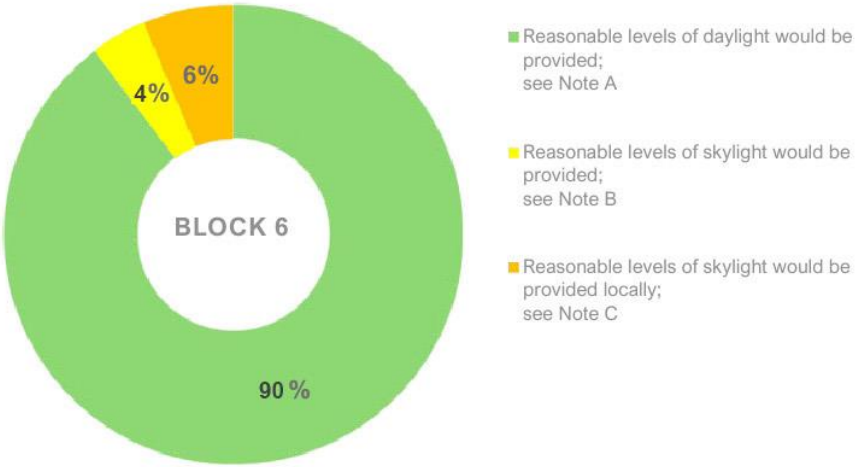


Figure 8: Block 6 SDA Results

The analysis demonstrates that 89.36% of rooms within Block 6 comply with the recommendations in BRE Site Layout for Daylight and Sunlight (2022). Appendix B of this report details the sDA results for all assessed rooms within Block 5. Those rooms which fall below the recommended illuminance levels in BRE Site Layout for Daylight and Sunlight (2022) are identified in figures 9-14 below, along with the compensatory aspects for each room. These can be examined in greater detail in Appendix C of this report.

Block 6 Macro Compensatory Measures

The NPF supports a national strategy for sustainable development which is tied to the efficient use of zoned land in urban areas and particularly around transport nodes. Clongriffin has benefited from substantial investment in a new dart station, an emerging new BusConnects hub and an extensive park network. It is designed as a people first place with street based retail and services ensuring a vibrant and safe public realm. Section 28 Sustainable and Compact Settlement guidelines outline the placemaking and quality design methodologies for successful compact neighbourhoods.

SDRA 1 Clongriffin/Belmayne is an objective of Dublin City Development Plan. The long term vision for this area was first set out in the North Fringe Area Action Plan of 2000. It is for a highly sustainable mixed use neighbourhood centred on key public transport interchanges with a distinct identity and sense of place. The central area will be an urban town centre and this has been expressed in successive planning permissions for a compact urban centre with a quality public realm.

This application closely follows the established form of the permitted development on this site. Benefits flow from the increased intensity of development in the centre, the efficient use of land, a vibrant mixed use centre and all with high quality parks and green links locally and to the coast. The viability, and so the available offer, of retail, hospitality and service facilities is improved with the additional population and the diversity of dwelling typologies and occupants that comes with urban scale.

The objective for an urban scale brings with it a convenience and diversity of facilities which compensates for the proximity and intensity of buildings. In the present case of Blocks 5 and 6, they are located within 500m of the dart and bus transport hub, the town square, local supermarket and main street shops, some open and some already constructed shells awaiting sufficient population to trade. Both blocks have immediate links to the panhandle park and the excellent Fr.Collins Park beyond. The Mayne river linear park will link east to the extensive Baldoyle Nature Park, itself linked to the coast and the east coast cycle route.

The communal open space amenities of both blocks are excellent. Block 5 has a sunny courtyard garden and a roof garden facing west down the interlinked parks. Block 6 has a large landscaped courtyard garden which is also is sunny and considerably oversized.

The attributes of individual apartments with less optimum lighting than the over 90% majority are outlined below in detail below on a case by case basis.

Block 6 - Compensatory aspects of apartments with below optimum daylighting

Ground Floor Level				
UNIT No	Score	Room	Orientation	Comment
06.00.07	B	KLD	West/Northwest	Overlooking landscaped buffer zone to Park Street. High floor to ceiling of 3.1m.
06.00.19	B	KLD	Southwest	Excellent sunlit orientation, oblique view towards Belltree Park. High floor to ceiling of 3.1m.
06.00.21	C	KLD	Southwest	Oversized balcony, Excellent sunlit orientation. Oblique view towards Belltree Park. High floor to ceiling of 3.1m.

Key: 06.01.01 means Block 6, Floor 1, Apt 1. Colours: A green, B yellow, C orange, D blue. Classification notes are the professional opinion of D&W per D+W lighting report and based on the advice and guidance in BS EN 17037:2018 Daylight in Buildings.

B: 40-49% Pass Rate. As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

C: 20-39% Pass Rate. While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window. This is generally a kitchen counter with task lighting.

Figure 9: Block 6 Compensatory Aspects

Block 6 - Compensatory aspects of apartments with below optimum daylighting

First Floor Level				
UNIT No	Score	Room	Orientation	Compensatory Aspects
06.01.01	B	Bed1	Southeast	Oblique view towards landscape courtyard. Room 9% oversize.
06.01.01	C	Bed2	Southeast	Oblique view towards landscape courtyard. Room 33% oversize.
06.01.01	C	KLD	Southeast	Oblique view towards landscape courtyard. Design was modified to improve daylighting to KLD after LRD consultation. Overall apartment area 13% oversize.
06.01.02	C	Bed1	Southeast	Dual aspect corner apartment with oblique view towards Belltree Park. Room 20% oversize. Overall apartment area 17% oversize.
06.01.10	C	KLD	Southeast/Southwest	Dual aspect, long view through landscaped courtyard towards Grant Park.
06.01.11	C	KLD	East/Southeast	Long view through landscaped courtyard and gap between blocks of core B&C. Terrace gets east and south-east light.
06.01.20	C	KLD	Southeast/South	Dual aspect, excellent sunlit corner terrace overlooking landscaped courtyard.
06.01.24	C	Bed1	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.01.24	C	KLD	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.01.25	C	Bed1	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.01.25	C	KLD	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.01.26	B	KLD	South/Southwest	Excellent sunlit orientation with long view(65m) through landscaped courtyard.
06.01.32	B	Bed2	West/Northwest	Oversized terrace, dual aspect apartment, evening light, 45m view across landscaped courtyard. Overall apartment area 23% oversize.
06.01.33	B	KLD	West/Northwest	Evening light, long view to landscaped courtyard. Opposing edge more than 40m away.
06.01.34	C	KLD	West/Northwest	Evening light, long view to landscaped courtyard. Opposing edge more than 40m away.
06.01.39	B	KLD	East/Southeast	Morning light, overlooking landscaped buffer zone to Lake Street.
06.01.45	B	KLD	Southwest	South aspect, Oblique view towards Belltree Park.
06.01.46	B	KLD	Southwest	South aspect, Overlooking landscaped buffer zone to Dargan Street.
06.01.47	C	KLD	Southwest/ Northeast	South aspect, Oversized balcony, dual aspect with long view towards landscaped courtyard.
06.01.48	C	KLD	Northeast/Northwest	Dual aspect, long view (54m) towards landscaped courtyard and through gap between blocks of core A&B. Overall apartment area 16% oversize.

Figure 10: Block 6 Compensatory Aspects

Block 6 - Compensatory aspects of apartments with below optimum daylighting

Second Floor Level				
UNIT No	Score	Room	Orientation	Compensatory Aspects
06.02.01	B	Bed1	Southeast	Oblique view towards landscape courtyard. Room 9% oversize.
06.02.01	C	Bed2	Southeast	Oblique view towards landscape courtyard. Room 33% oversize.
06.02.01	C	KLD	Southeast	Oblique view towards landscape courtyard. Design was modified to improve daylighting to KLD after LRD consultation. Overall apartment area 13% oversize.
06.02.02	C	Bed1	Southeast	Dual aspect corner apartment with oblique view towards Belltree Park. Room 20% oversize. Overall apartment area 17% oversize.
06.02.10	C	KLD	Southeast/Southwest	Dual aspect, long view through landscaped courtyard towards Grant Park.
06.02.11	C	KLD	East/Southeast	Long view through landscaped courtyard and gap between blocks of core B&C. Balcony gets east and south-east light.
06.02.20	C	KLD	Southeast/South	Dual aspect, excellent sunlit corner balcony overlooking landscaped courtyard.
06.02.24	C	Bed1	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.02.24	C	KLD	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.02.25	C	Bed	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.02.25	C	KLD	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.02.34	B	KLD	West/Northwest	Evening light, long view to landscaped courtyard. Opposing edge more than 40m away.
06.02.39	B	KLD	East/Southeast	Morning light, overlooking landscaped buffer zone to Lake Street.
06.02.45	B	KLD	Southwest	South aspect, Oblique view towards Belltree Park.
06.02.46	B	KLD	Southwest	South aspect, Overlooking landscaped buffer zone to Dargan Street.
06.02.47	C	KLD	Southwest/ Northeast	South aspect, Oversized balcony, dual aspect with long view towards landscaped courtyard.
06.02.48	B	KLD	Northeast/Northwest	Dual aspect, long view (54m) towards landscaped courtyard and through gap between blocks of core A&B. Overall apartment area 16% oversize.

Figure 11: Block 6 Compensatory Aspects

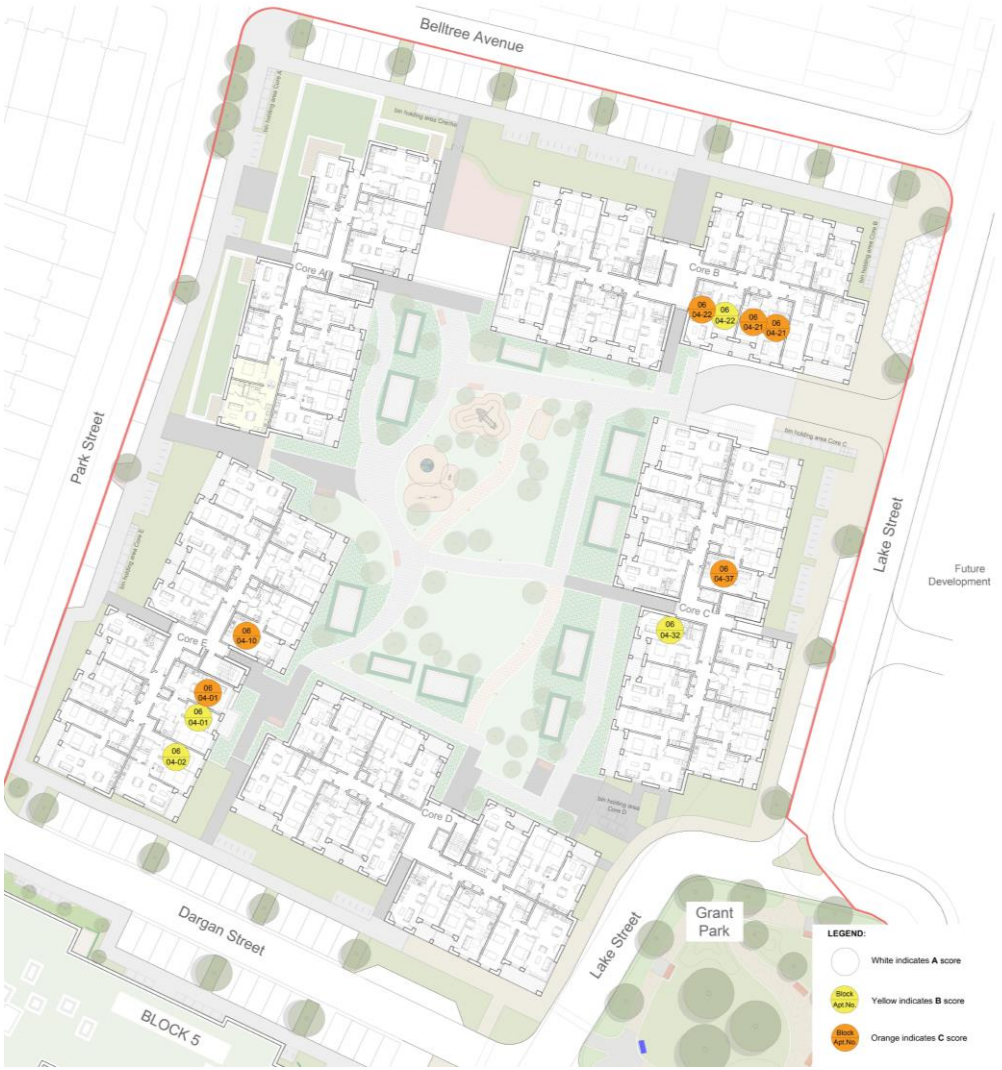
Block 6 - Compensatory aspects of apartments with below optimum daylighting

Third Floor Level				
UNIT No	Score	Room	Orientation	Compensatory Aspects
06.03.01	C	Bed1	Southeast	Oblique view towards landscape courtyard. Room 9% oversize.
06.03.01	C	Bed2	Southeast	Oblique view towards landscape courtyard. Room 33% oversize.
06.03.01	C	KLD	Southeast	Oblique view towards landscape courtyard. Design was modified to improve daylighting to KLD after LRD consultation. Overall apartment area 13% oversize.
06.03.02	C	Bed1	Southeast	Dual aspect corner apartment with oblique view towards Belltree Park. Room 20% oversize. Overall apartment area 17% oversize.
06.03.10	C	KLD	Southeast/Southwest	Dual aspect, long view through landscaped courtyard towards Grant Park.
06.03.11	C	KLD	East/Southeast	Long view through landscaped courtyard and gap between blocks of core B&C. Balcony gets east and south-east light.
06.03.39	C	KLD	East/Southeast	Morning light, overlooking landscaped buffer zone to Lake Street.
06.03.24	C	Bed1	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.03.24	C	KLD	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.03.25	C	Bed1	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.03.25	C	KLD	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.03.34	B	KLD	West/Northwest	Evening light, long view to landscaped courtyard. Opposing edge more than 40m away.
06.03.45	B	KLD	Southwest	South aspect, Oblique view towards Belltree Park.
06.03.47	B	KLD	Southwest/ Northeast	South aspect, Oversized balcony, dual aspect with long view towards landscaped courtyard.

Figure 12: Block 6 Compensatory Aspects

Block 6 - Compensatory aspects of apartments with below optimum daylighting

Fourth Floor Level				
UNIT No	Score	Room	Orientation	Compensatory Aspects
06.04.01	B	Bed2	Southeast	Oblique view towards landscape courtyard. Room 33% oversize.
06.04.01	C	KLD	Southeast	Oblique view towards landscape courtyard. Design was modified to improve daylighting to KLD after LRD consultation. Overall apartment area 13% oversize.
06.04.02	B	Bed1	Southeast	Dual aspect corner apartment with oblique view towards Belltree Park. Room 20% oversize. Overall apartment area 17% oversize.
06.04.10	C	KLD	Southeast/Southwest	Dual aspect, long view through landscaped courtyard towards Grant Park.
06.04.21	C	Bed1	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.04.21	C	KLD	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.04.22	B	Bed1	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.04.22	C	KLD	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.04.32	B	KLD	West/Northwest	Evening light, long view to landscaped courtyard. Opposing edge more than 40m away.
06.04.37	C	KLD	East/Southeast	Morning light, overlooking landscaped buffer zone to Lake Street.



Key: 06.01.01 means Block 6, Floor 1, Apt 1. Colours: A green, B yellow, C orange, D blue. Classification notes are the professional opinion of D&W per D+W lighting report and based on the advice and guidance in BS EN 17037:2018 Daylight in Buildings.

B: 40-49% Pass Rate. As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

C: 20-39% Pass Rate. While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window. This is generally a kitchen counter with task lighting.

Figure 13: Block 6 Compensatory Aspects

Block 6 - Compensatory aspects of apartments with below optimum daylighting

Fifth Floor Level				
UNIT No	Score	Room	Orientation	Compensatory Aspects
06.05.01	C	KLD	Southeast	Oblique view towards landscape courtyard. Design was modified to improve daylighting to KLD after LRD consultation. Overall apartment area 13% oversize. Top floor apartment giving views to south.
06.05.05	B	KLD	Southeast/Northeast	Dual aspect corner apartment, long view through landscaped courtyard towards Grant Park and through gap between blocks of core A&B. Top floor apartment giving views.
06.05.19	B	KLD	West/Northwest	Evening light, long view to landscaped courtyard. Opposing edge more than 40m away. Top floor apartment giving views to north west towards Mayne River Linear Park.
06.05.24	C	KLD	East/Southeast	Morning light, overlooking landscaped buffer zone to Lake Street. Top floor apartment giving views to Grant Park.
06.05.30	B	KLD	Southwest	Oblique view towards Belltree Park. Top floor apartment giving views towards Fr. Collins Park.

Key: 06.01.01 means Block 6, Floor 1, Apt 1. Colours: A green, B yellow, C orange, D blue. Classification notes are the professional opinion of D&W per D+W lighting report and based on the advice and guidance in BS EN 17037:2018 Daylight in Buildings.

B: 40-49% Pass Rate. As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

C: 20-39% Pass Rate. While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window. This is generally a kitchen counter with task lighting.

Figure 14: Block 6 Compensatory Aspects

5.2 Sunlight Hours on Ground

Effective site layout planning for daylight and sunlight should go beyond ensuring natural lighting within buildings. Sunlight in the spaces between buildings significantly enhances the overall appearance and ambiance of a development.

“It is recommended that for it to appear adequately sunlit throughout the year, at least half of a garden or amenity area should receive at least two hours of sunlight on 21 March”. (Littlefair, 2022) The analysis is carried out for the amenity spaces for Block 5 & 6.

Amenity Area	Percentage of amenity area receiving 2 hours of sunlight on 21st March.	Meets Criteria
Block 5 Podium	89.21%	Yes
Block 5 Terrace	99.44%	Yes
Block 6 Podium	64.86%	Yes
Block 6 Creche	50.42%	Yes
Grant Park	99.97%	Yes

Table 7: Amenity Study Results

Following an initial sunlight hours on ground assessment, it was noted that the Block 6 Podium Amenity, while receiving compliant levels of sunlight, could be improved. The design team proposed relocating the central plant area from the Podium to the upper roof levels, which in turn resulted in a greater percentage of amenity area receiving two hours of sunlight on 21st March.

Figures 15-19 below show the images from the Sun Hours on Ground analysis for 21st March. The areas in white are the areas in the amenity space which do not receive two hours of sunlight on 21st March. The coloured areas are those areas which receive two hours of sunlight on 21st March, with the gradient changing as the number of hours above two hours increases.

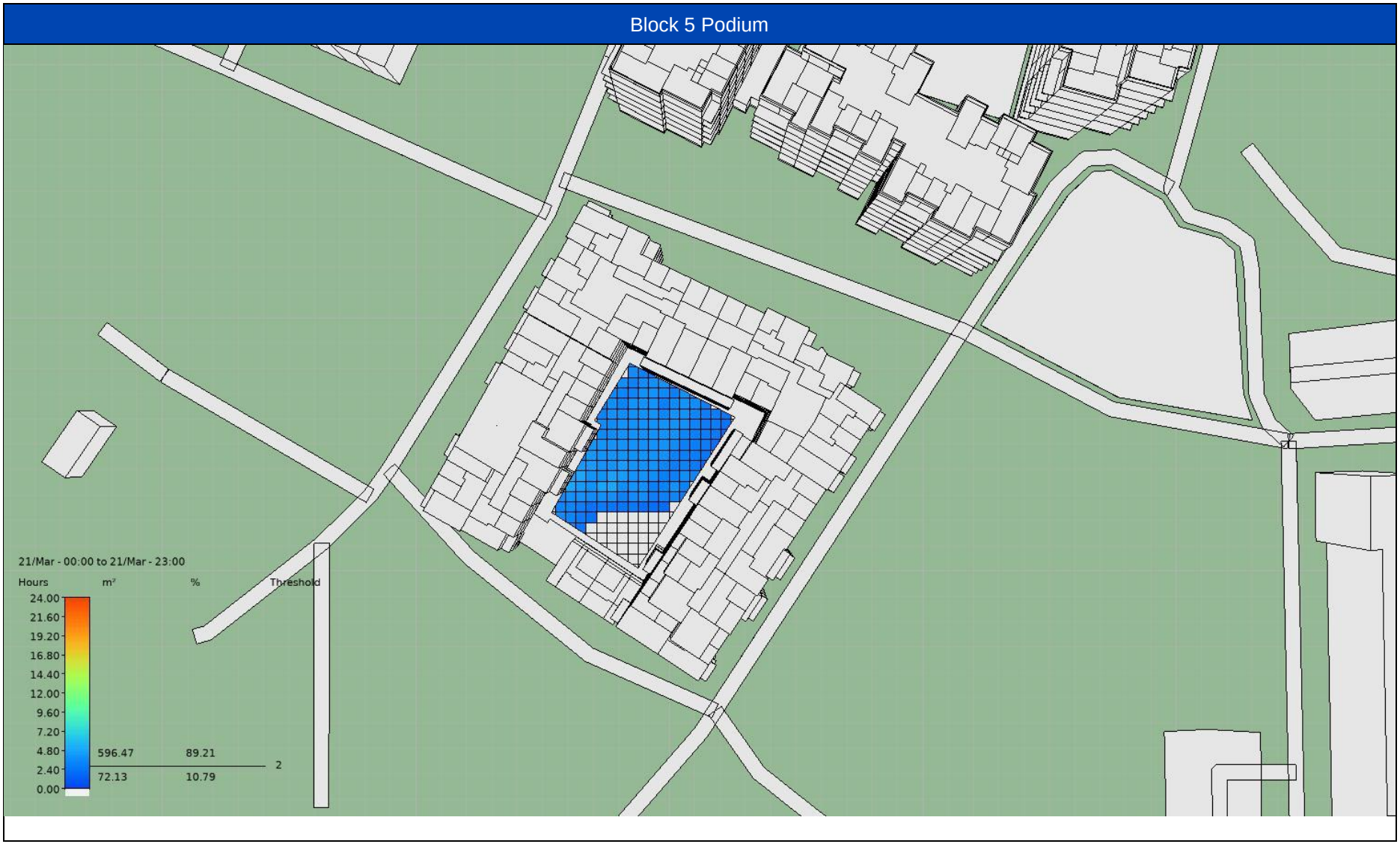


Figure 15:Block 5 podium sunlight hours on ground

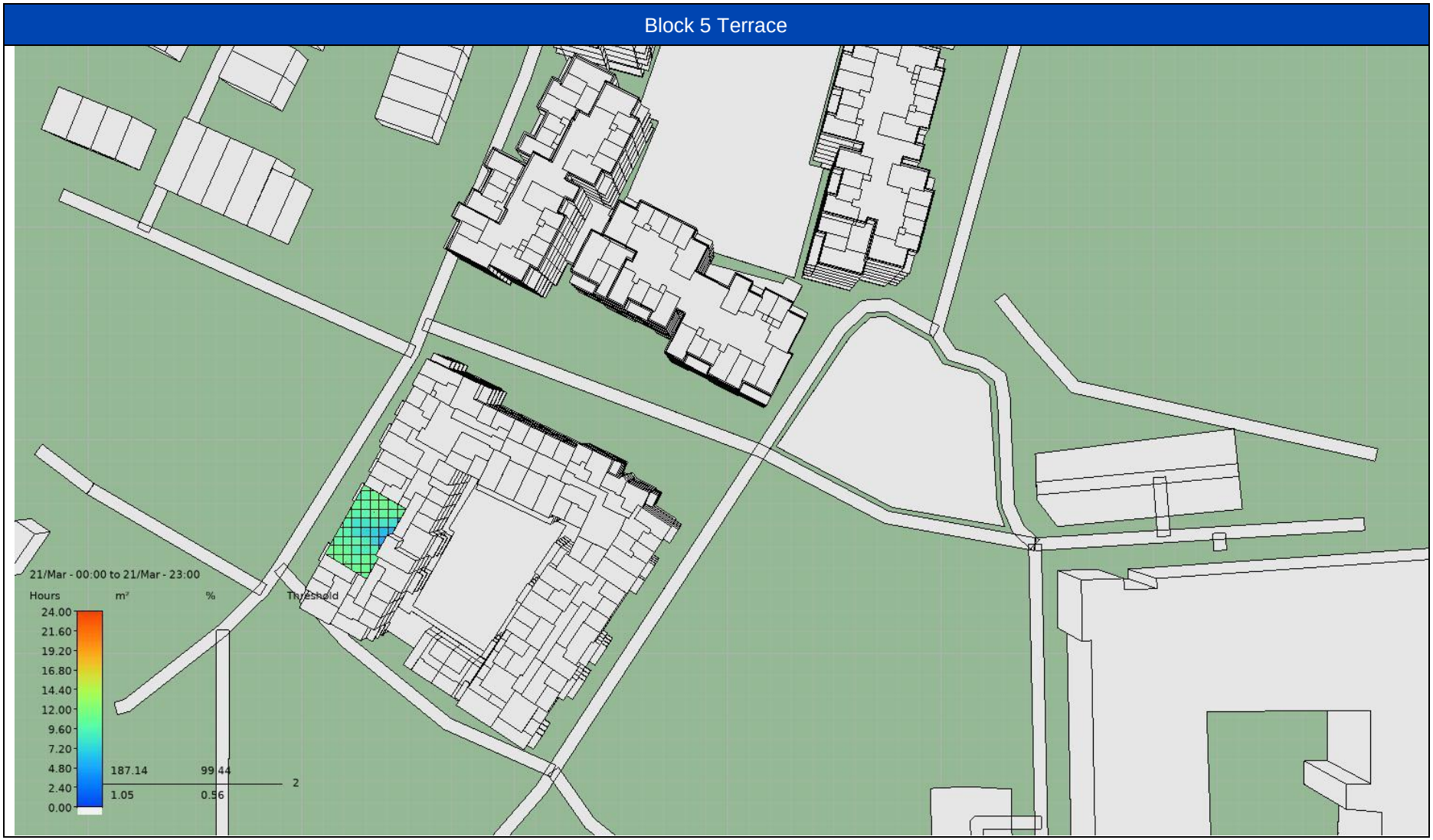


Figure 16:Block 5 terrace sunlight hours on ground

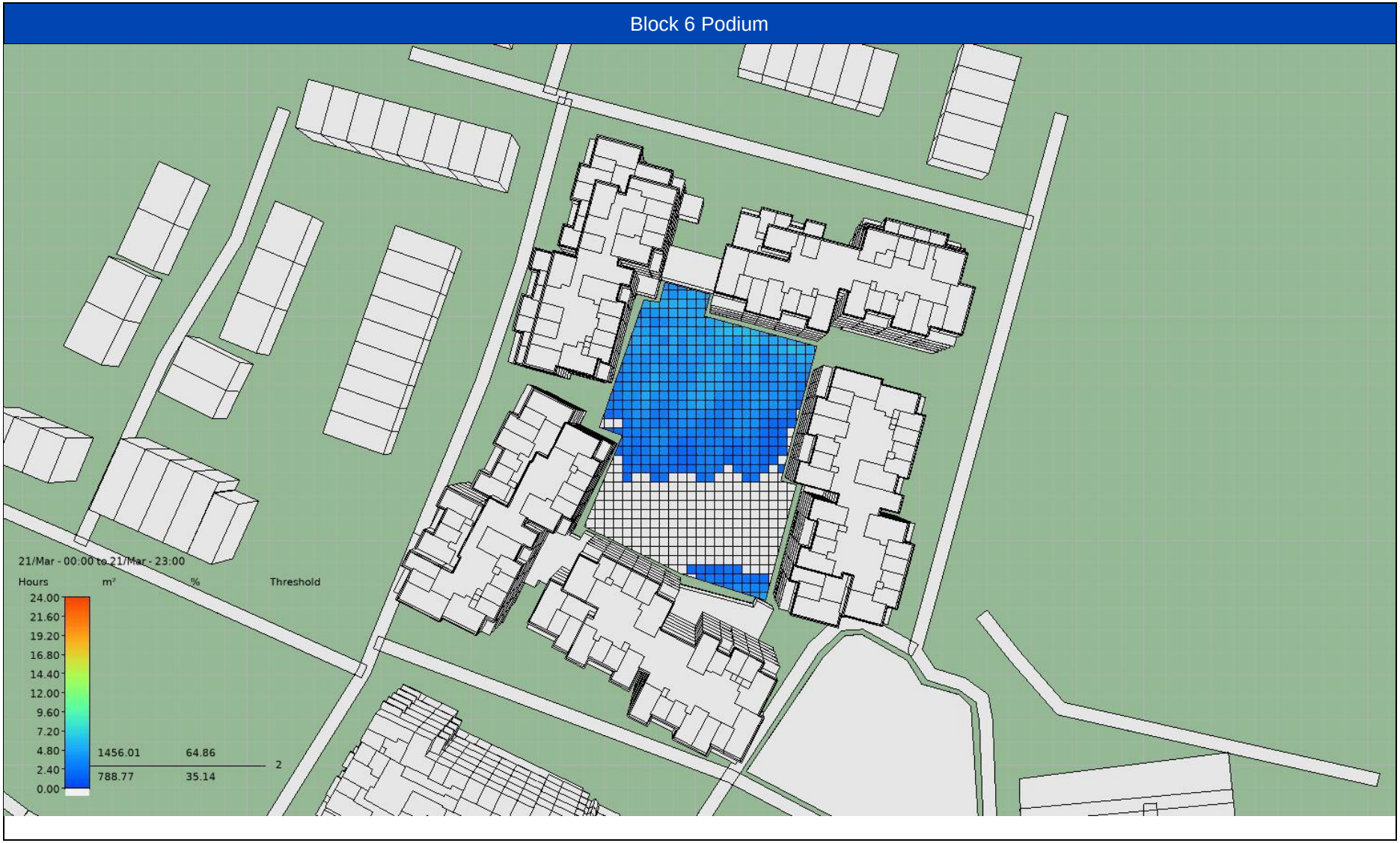


Figure 17:Block 6 podium sunlight hours on ground

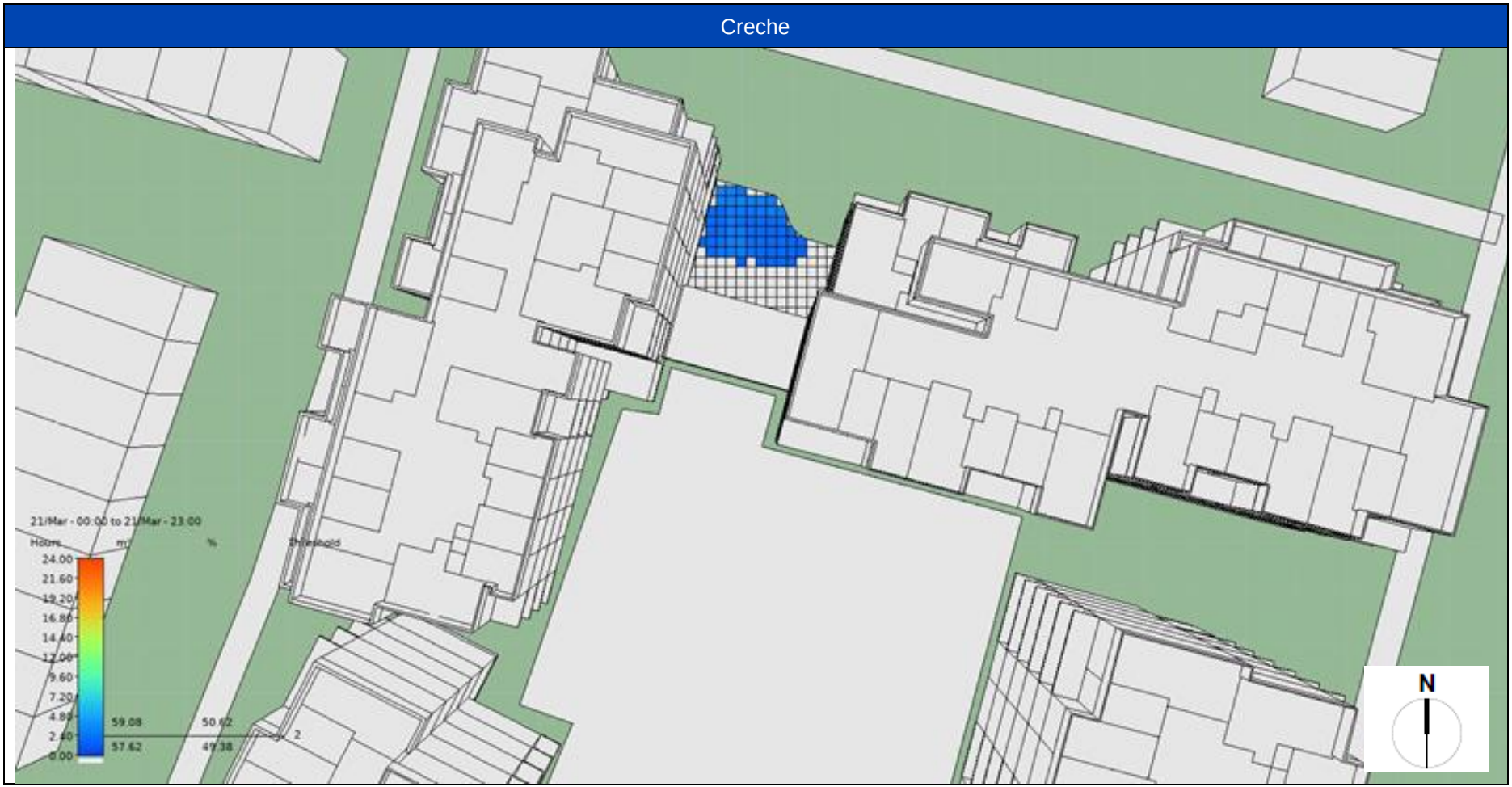


Figure 18:Block 6 creche sunlight hours on ground

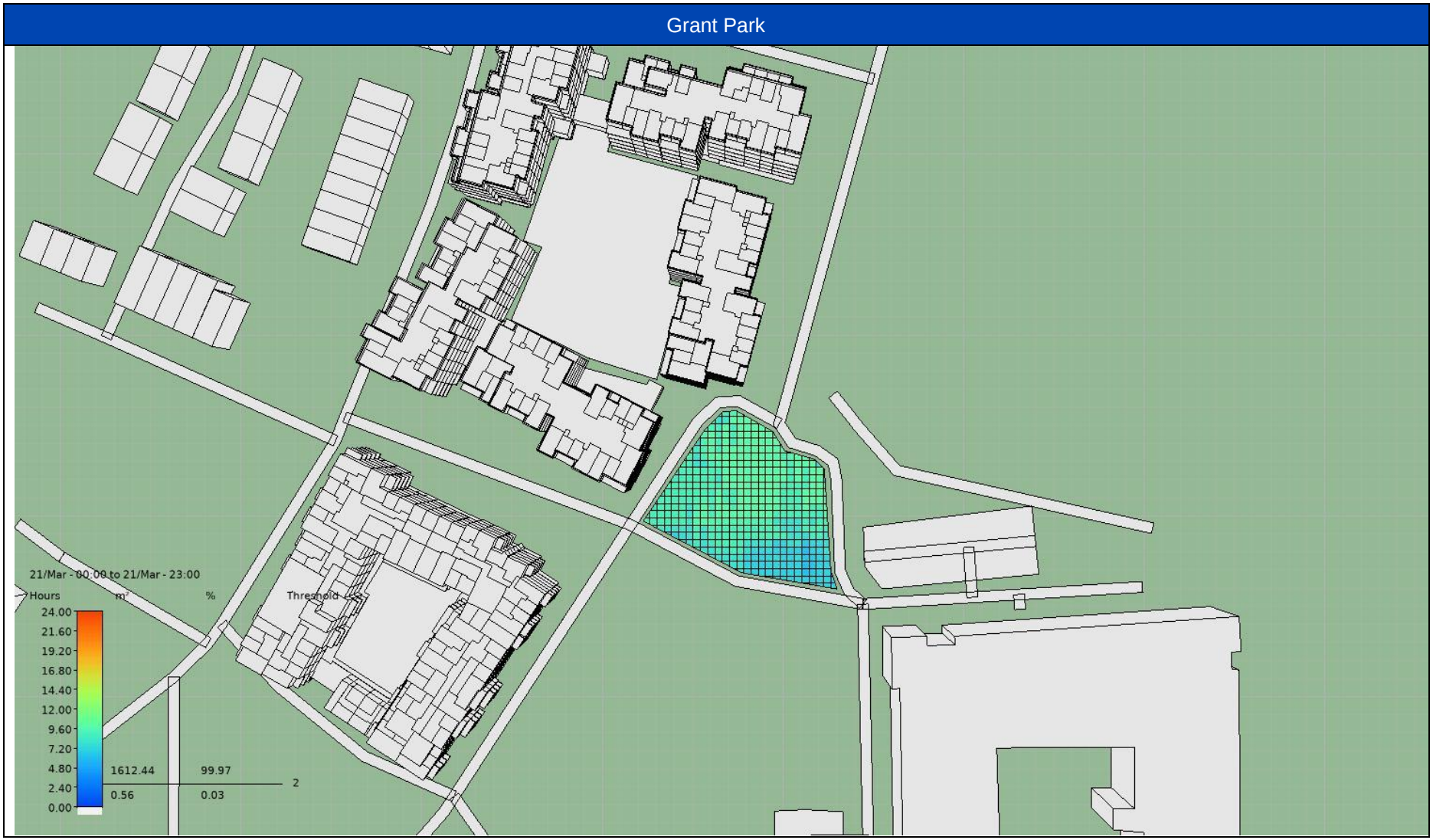


Figure 19:Grant Park sunlight hours on ground

6.0 Conclusion

This report has been prepared by Delap and Waller for the Land Development Agency (LDA) to assess the levels of natural daylighting within the assessed areas of the proposed Clongriffin, Blocks 5 & 6. Appendix 16 of the Dublin City Council's Development Plan 2022-2028, recommends that Daylight and Sunlight assessments should consist of two parts. The first part should assess the daylight and sunlight performance of the proposed development and the second report assessing the impact of the proposed development on the existing nearby environment.

For this reason, the Daylight and Sunlight assessment is split into two reports. This report is the first of two reports for the development, the second report assesses the impact of the proposed development to the existing nearest sensitive receptors, and must be read in conjunction with this report. The daylighting analysis has been carried out as per guidelines and recommendations within The Building Research Establishment (BRE) guidelines 'site layout planning for Daylight and Sunlight: A Guide to Good Practice (2022) and BS EN17037 – provide useful guidance on avoiding unacceptable loss of light and ensuring developments provide minimum standards of daylight for new units.' The analysis includes the relevant assessments as outlined in Appendix 16 of the Dublin City Development Plan 2022-2028. It should be noted that the BRE guidelines takes precedent for such assessments, within the 3rd edition of the BRE guidance document the metric of assessment for internal daylighting levels changed to illuminance lux levels, otherwise known as Spatial Daylight Autonomy (sDA), as opposed to Average Daylight Factor (ADF). While ADF is listed in Appendix 16 of the Dublin City Development Plan, the sDA is the most recent and therefore relevant assessment methodology for Clongriffin Blocks 5 & 6.

Clongriffin Blocks 5 & 6 are two number three to seven storey residential accommodation building. Block 5 consists of 138 and block 6 consists of 270 accommodation units respectfully, each with bedroom/living areas, bathrooms and circulation space. All apartments have been selected as part of the daylighting assessment for the purpose of the planning submission.

In accordance with this guide, Internal daylight provision is to now be assessed based on the advice and guidance in BS EN 17037:2018 Daylight in buildings. BS EN 17037 supersedes BS 8206 Part 2 "Code of practice for daylighting", which contained a method of assessment based on Average Daylight Factor, which is now no longer recommended. The analysis demonstrates that **94.12%** of rooms within Block 5 and **90.13%** of rooms within Block 6 comply with the recommendations for BRE209.

When assessing the availability of sunlight to amenity spaces It is recommended that for it to appear adequately sunlit throughout the year, at least half of an amenity area should receive at least two hours of sunlight on 21 March. The analysis is carried out for the amenity spaces within Block 5 and Block 6, as well as the adjacent open amenity space of Grant Park. The analysis shows that all amenity areas within the proposed development exceed the minimum sun hours on ground with an average of 84.50% of area receiving two hours of sunlight on 21st March. The amenity area to the creche has been redesigned to ensure that 50.42% of its amenity space receives two hours of sunlight on 21st March. The Grant Park amenity area exceeds the minimum requirements with 99.97% of its amenity space receiving two hours of sunlight on 21st March.

Having carried out a comprehensive assessment, in our opinion the, majority of habitable rooms with the proposed Blocks 5 & 6 of Clongriffin achieve the best practice industry guidelines in relation to Daylight, Sunlight and Overshadowing as outlined in the BRE Guide and EN 17037:2018 – Daylight in Buildings.

Consideration should always be given to the holistic the design and performance of dwellings such as energy efficiency, Home Performance Index requirements, overheating risk and compliance with Part L of the building regulations.
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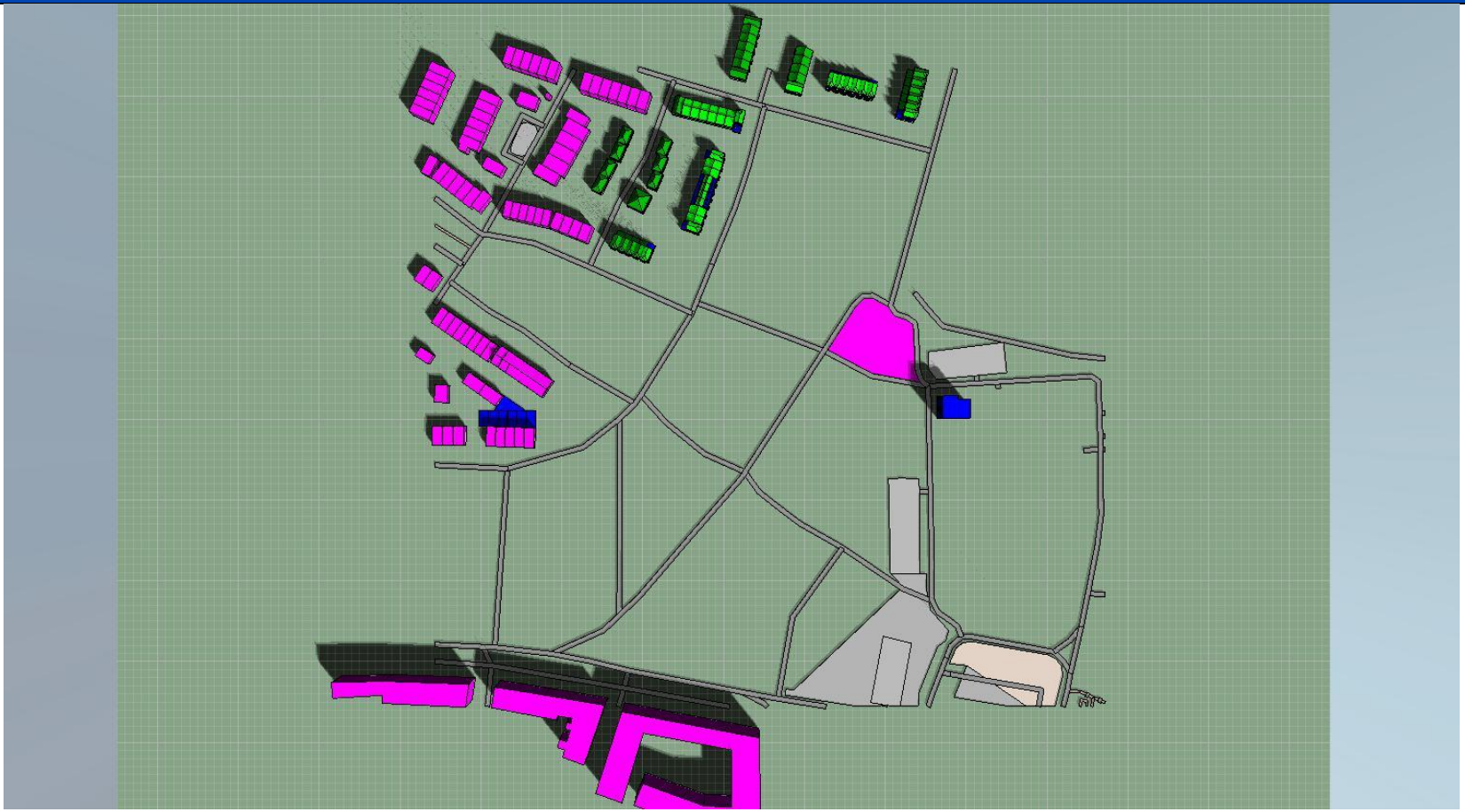
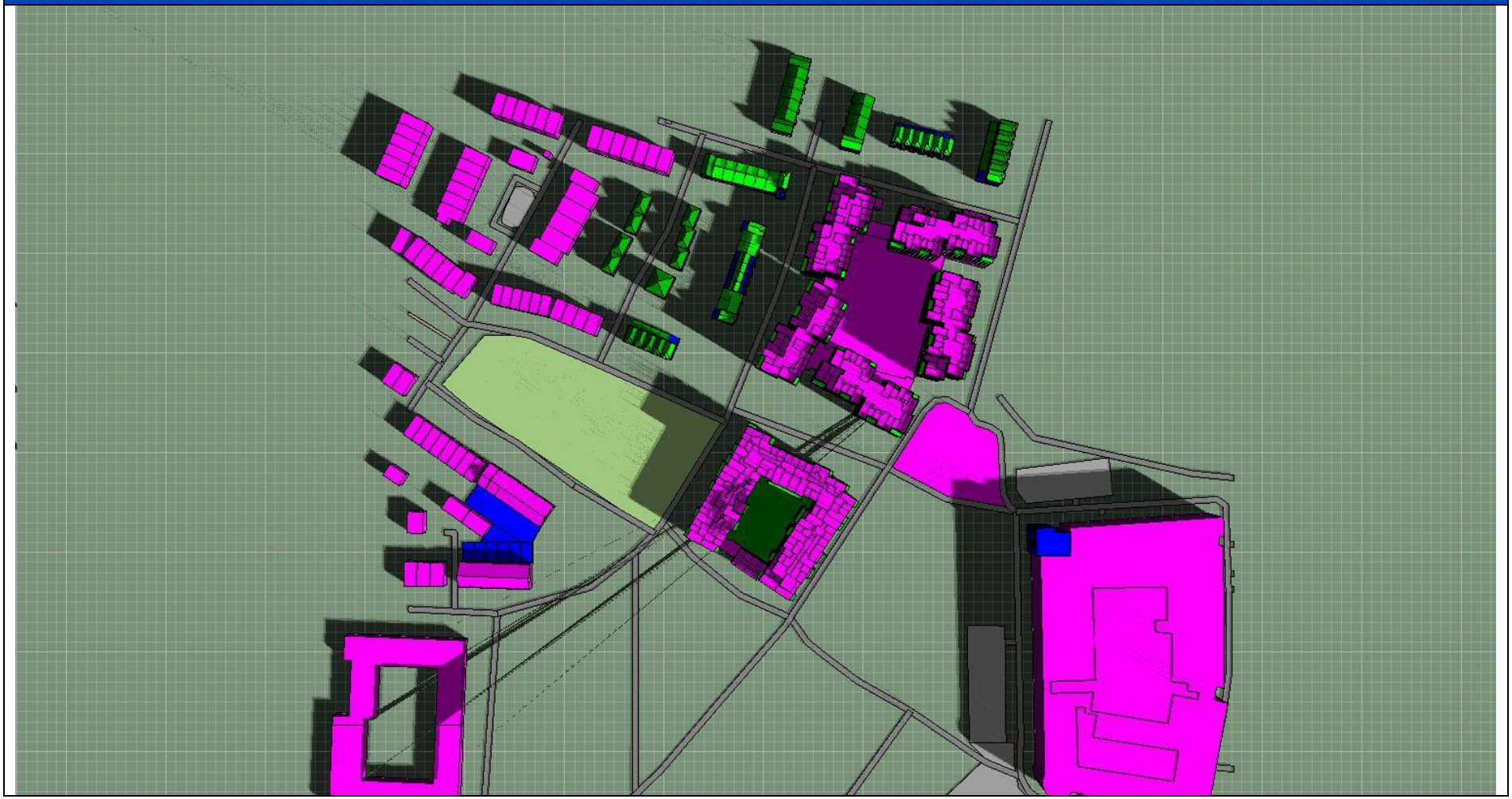
Appendix A: Shadow Images

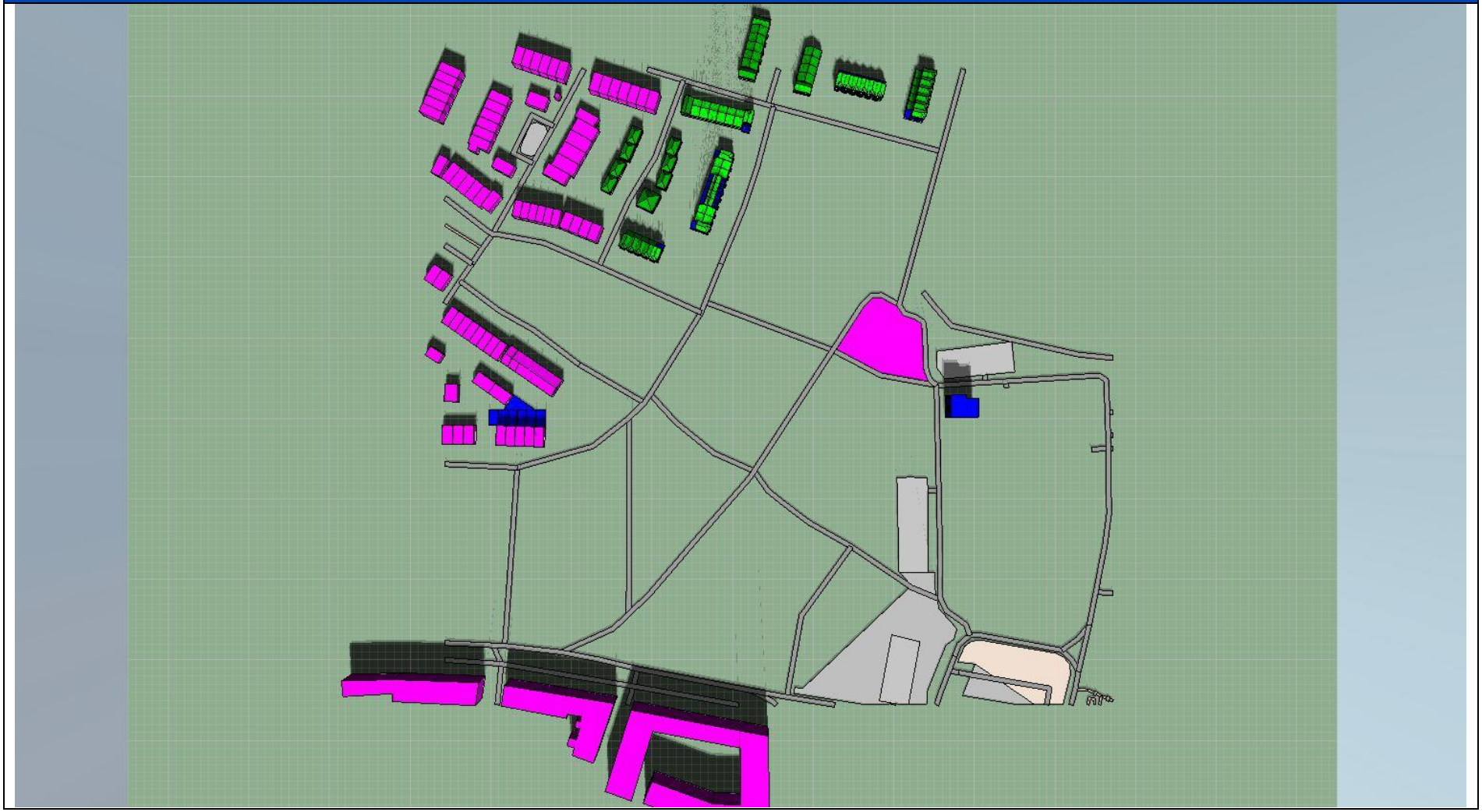
10:00 21st March - Existing



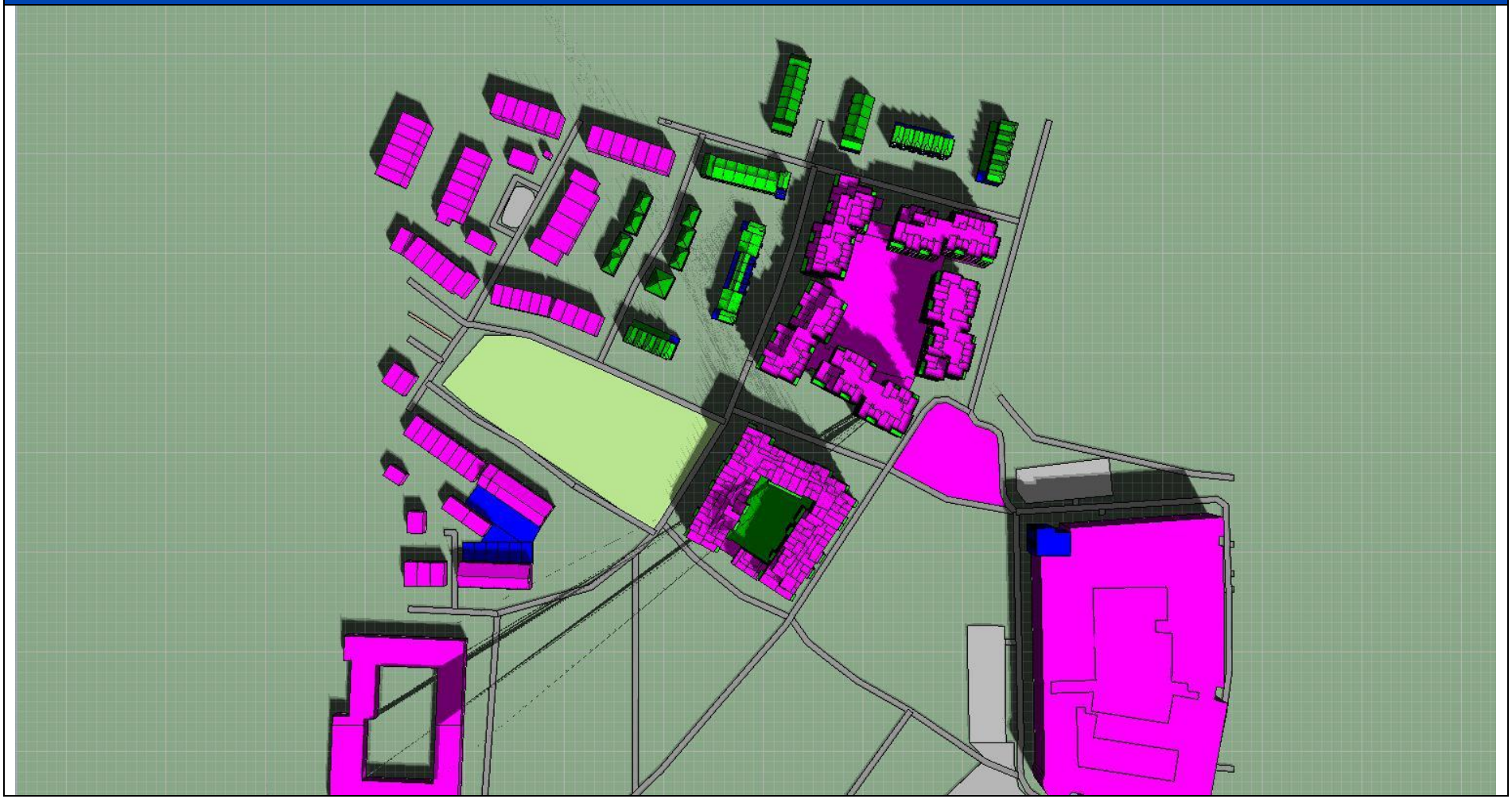
10:00 21st March - Proposed



12:00 21st March - Existing

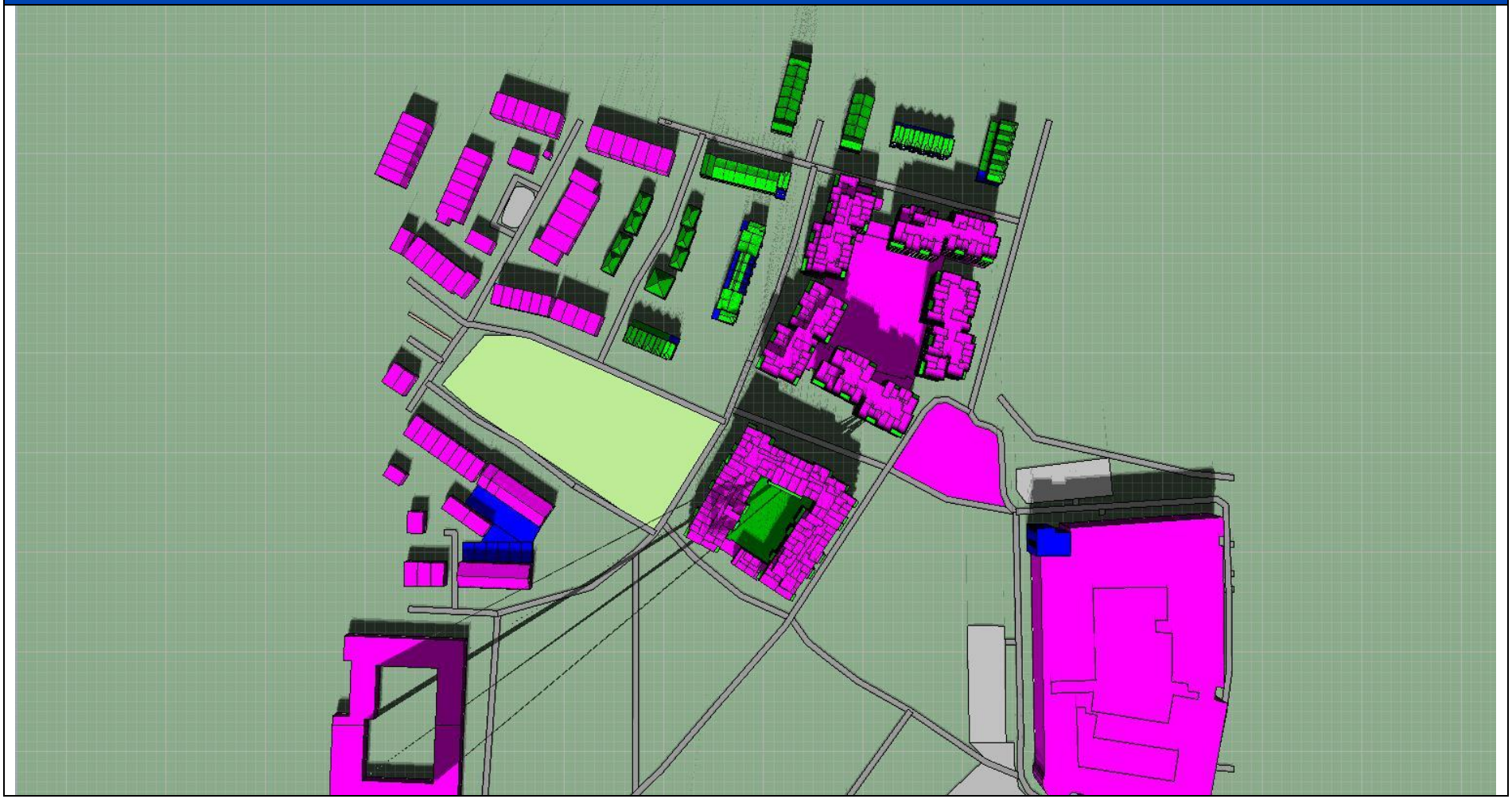


12:00 21st March - Proposed

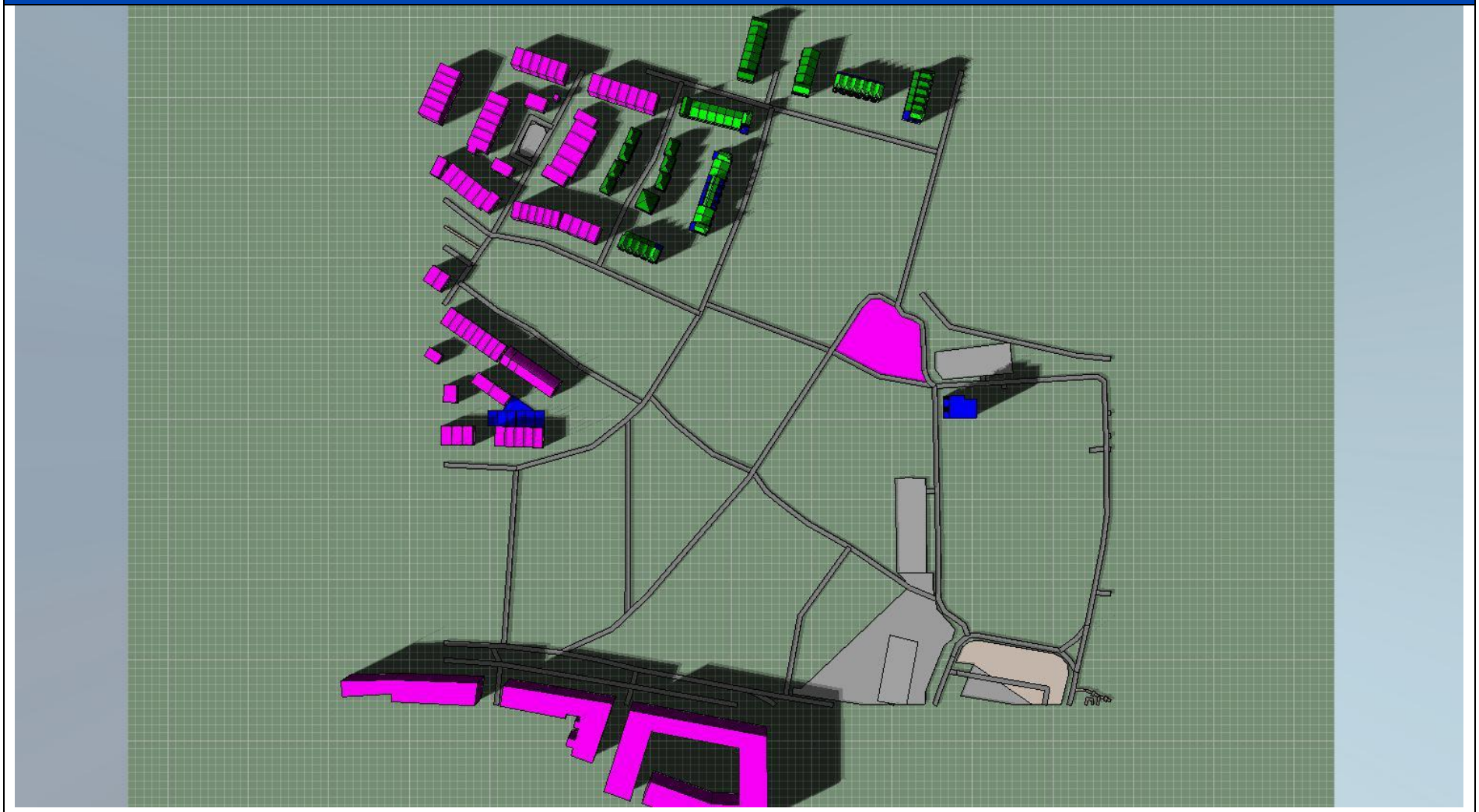


14:00 21st March - Existing

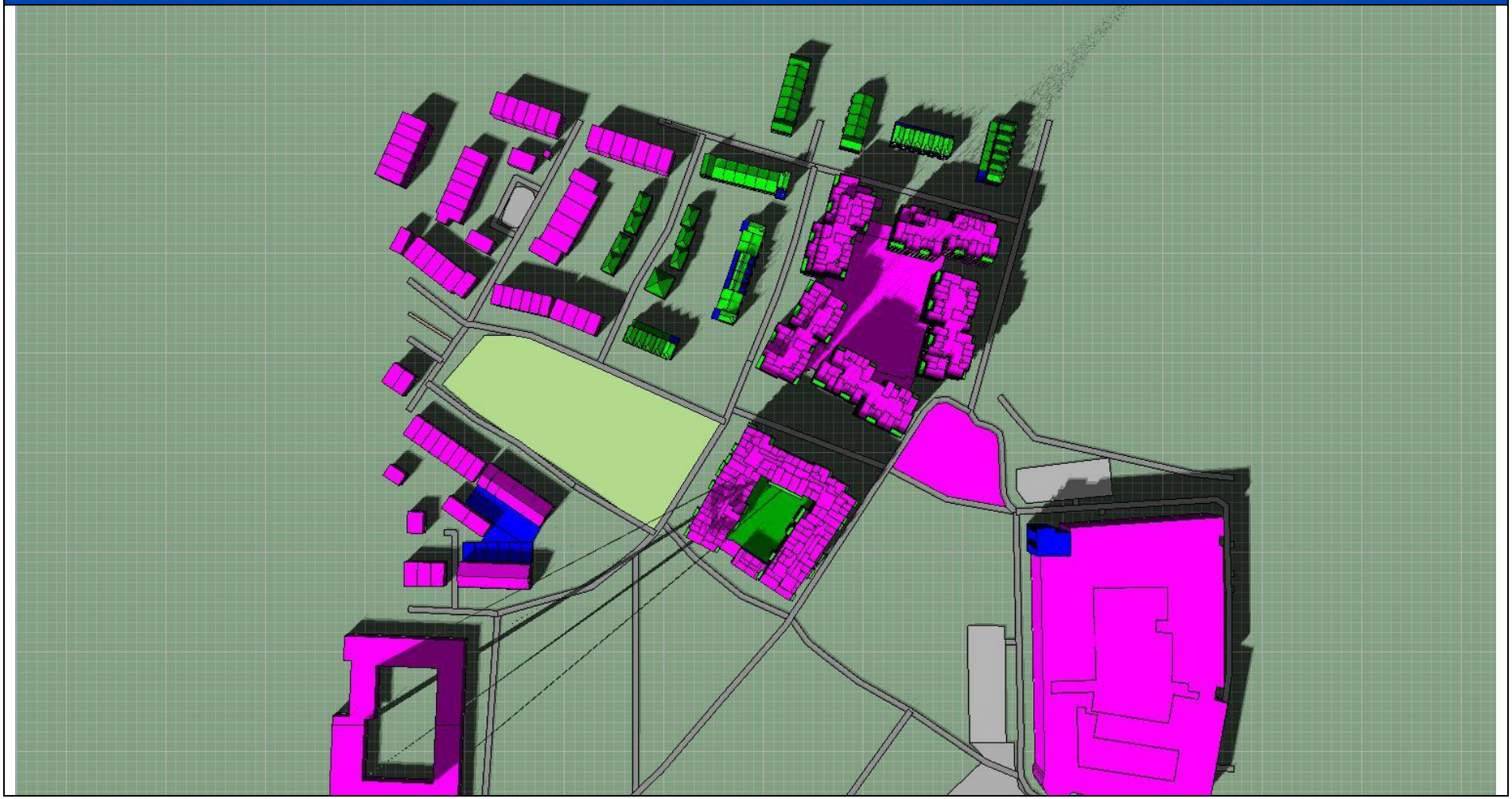
14:00 21st March - Proposed



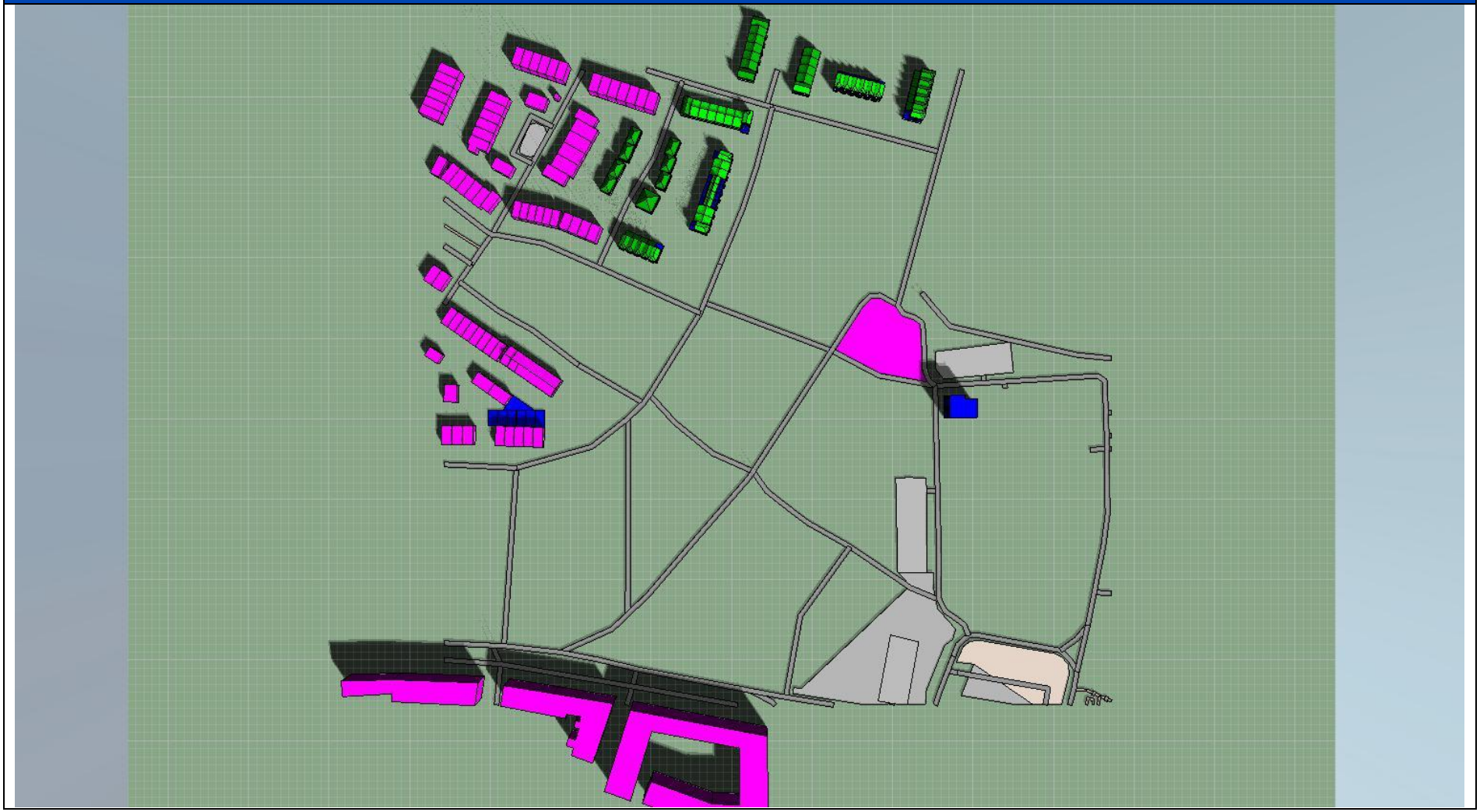
16:00 21st March - Existing



16:00 21st March - Proposed



10:00 21st September - Existing



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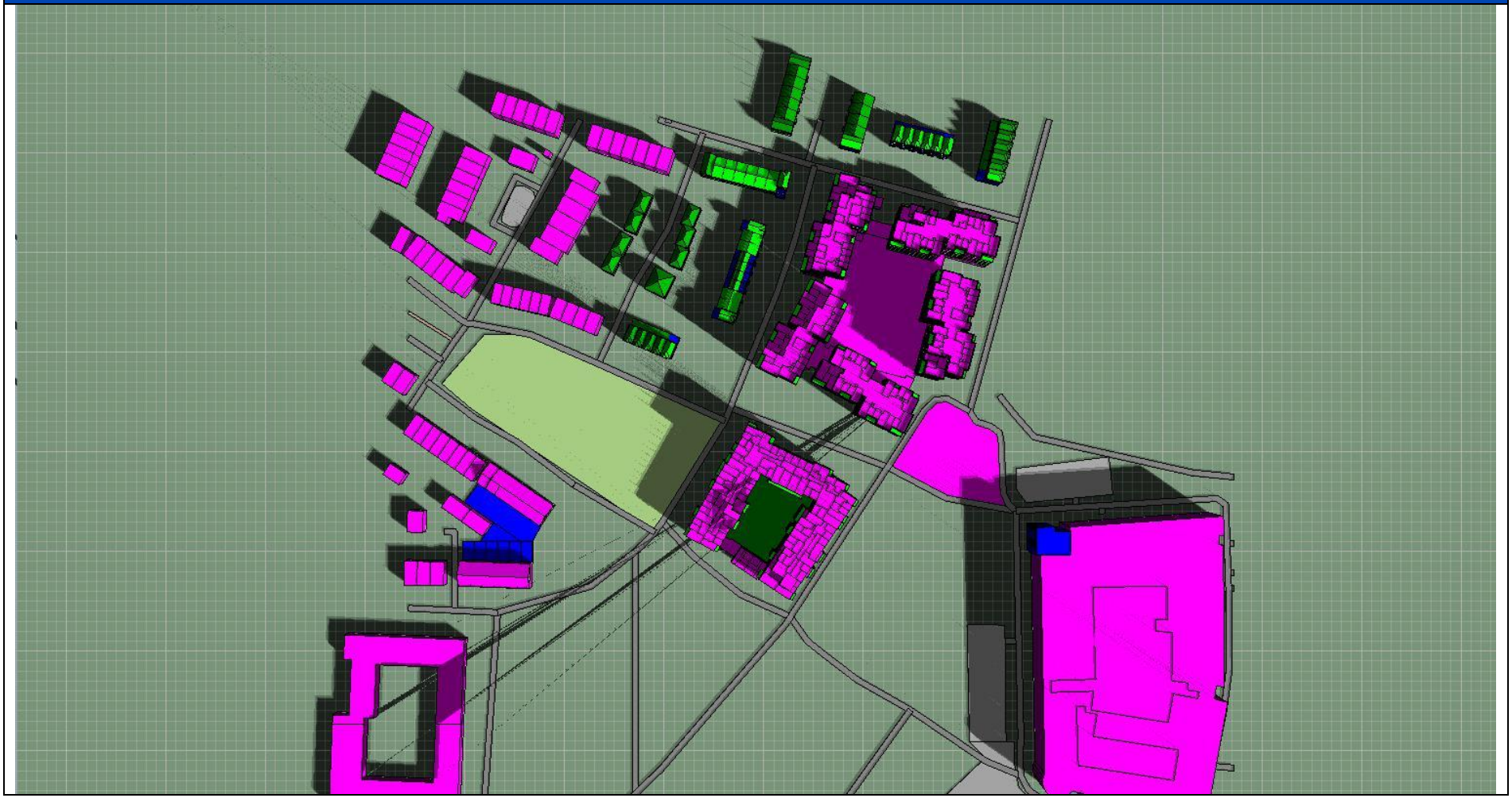

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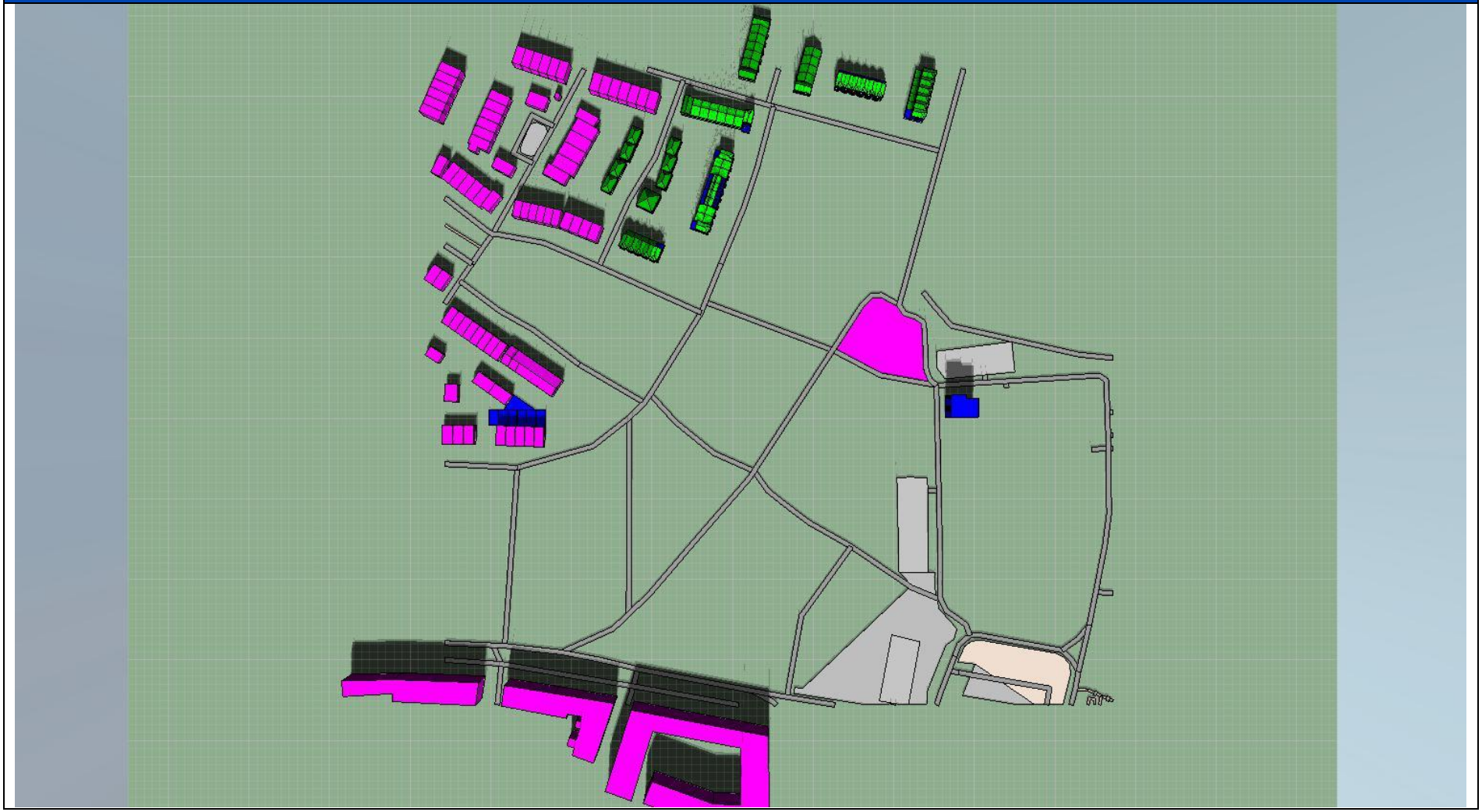

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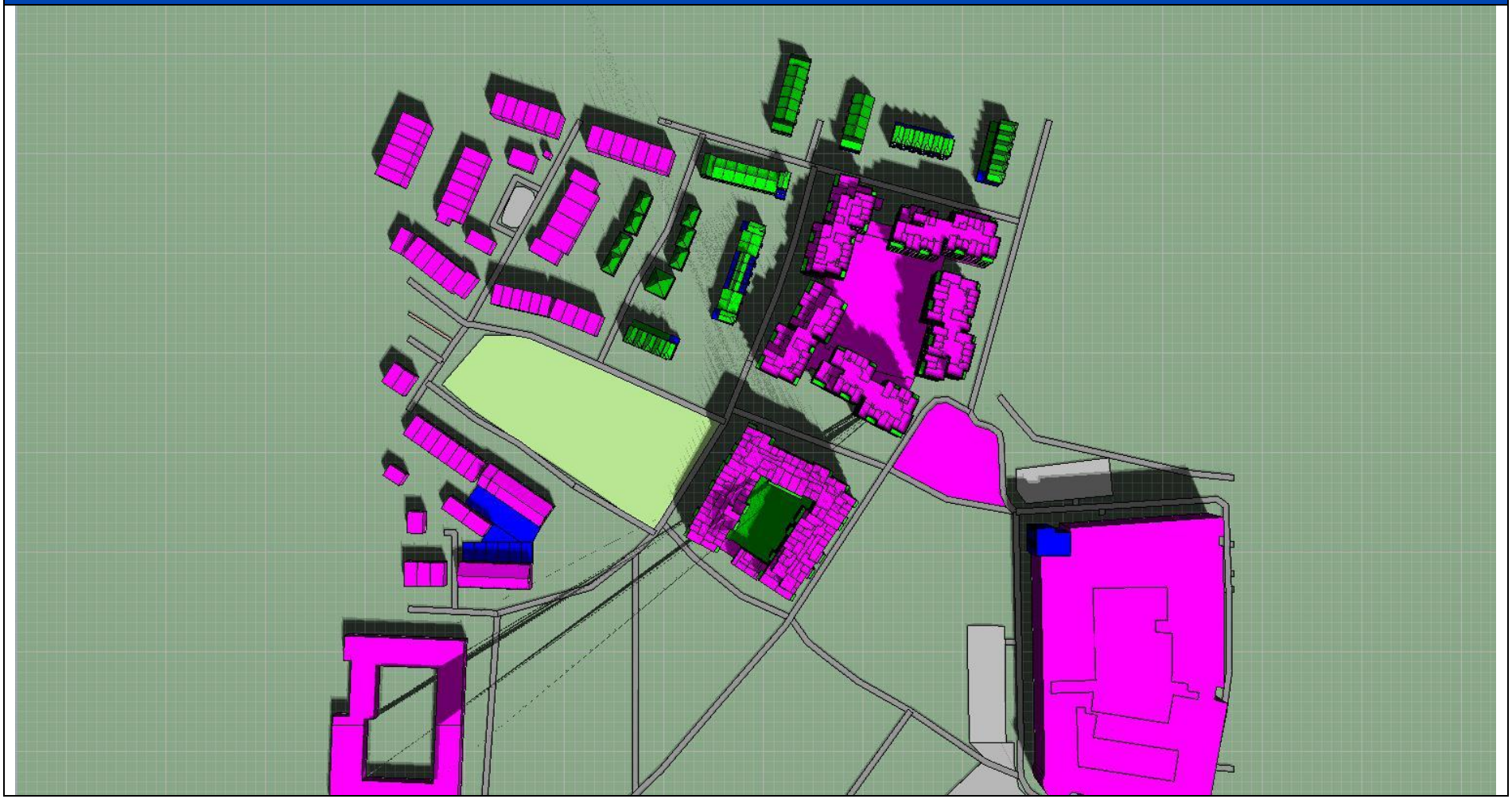

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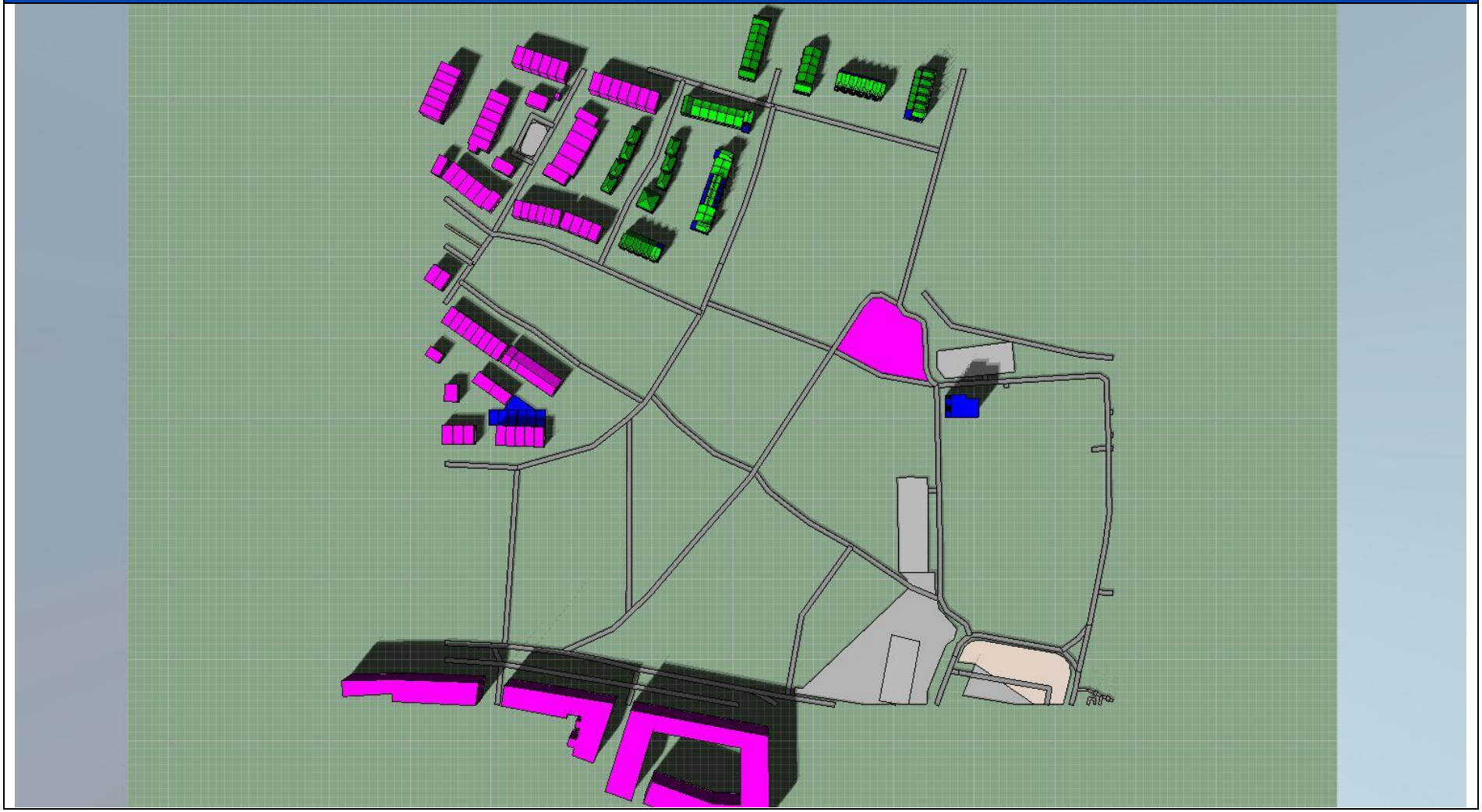

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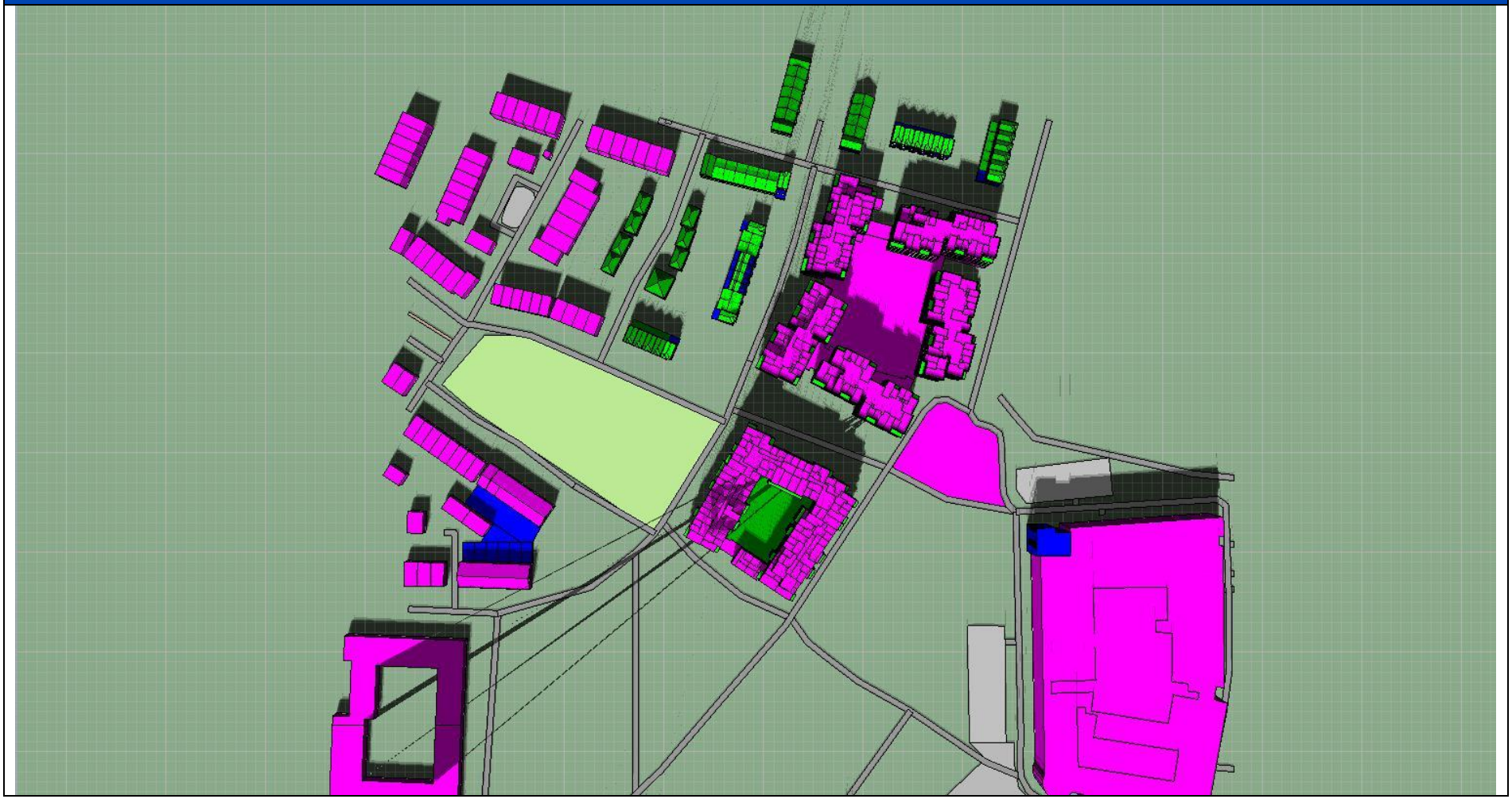

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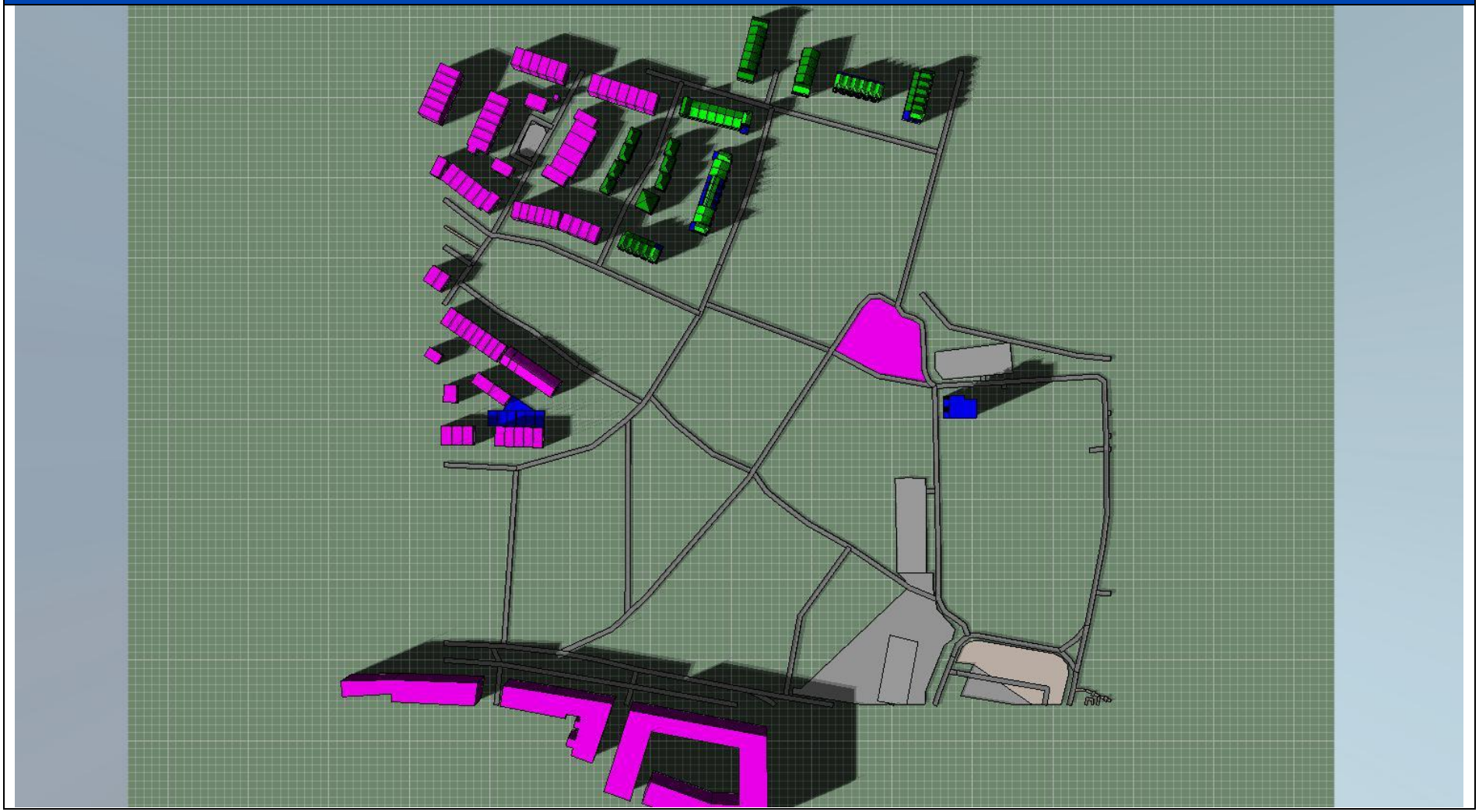
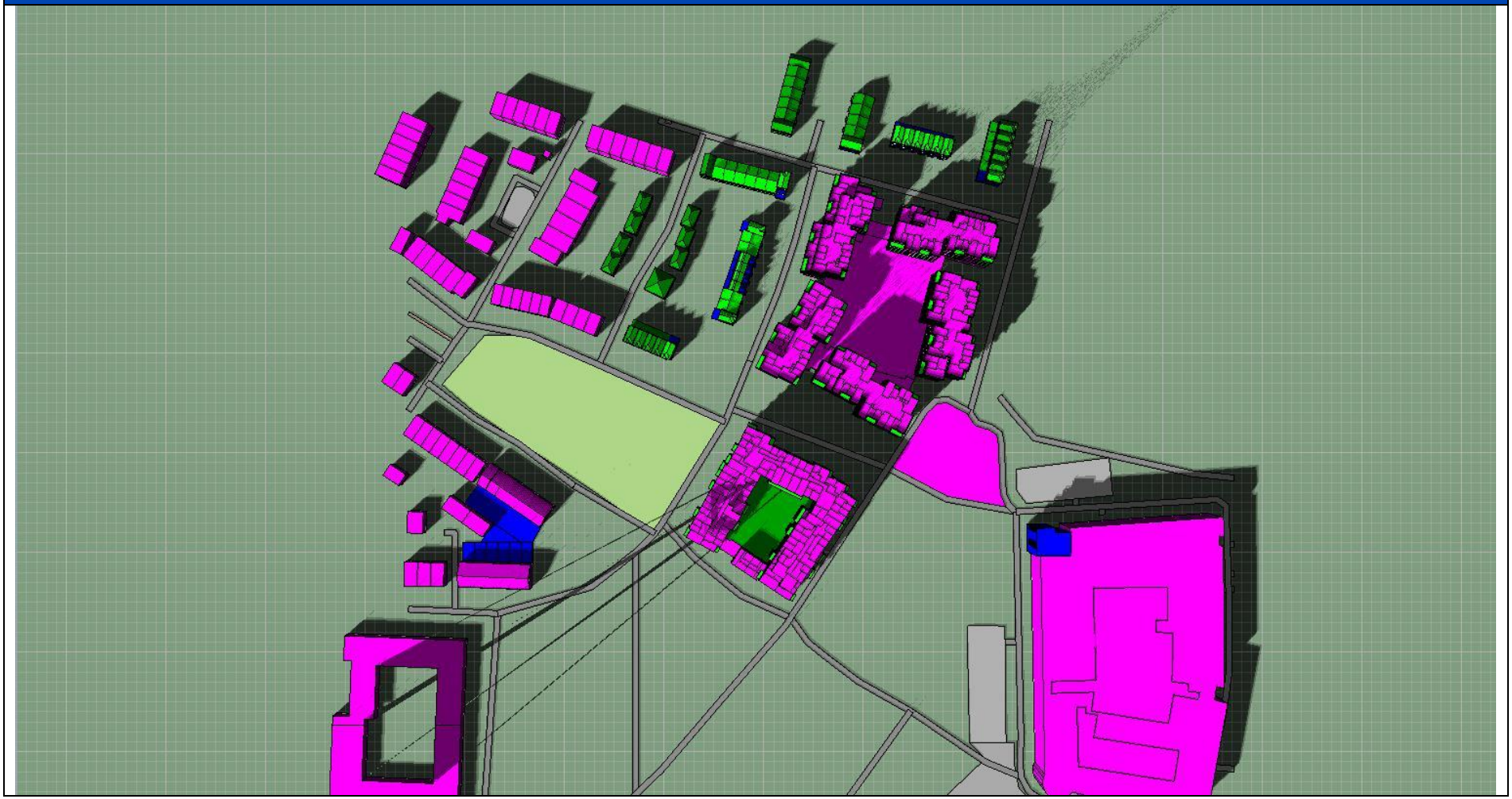


16:00 21st September - Proposed



Appendix B: sDA Results

The sDa results are summarised in section 5.1 of the main report, the full results are detailed below. The results are accompanied with Delap & Wallers professional opinion, which provide additional context to the daylighting results. Notes A-D below provide context for each note.

Note A: As the levels of natural light predicted for this room exceed the minimum levels recommended in the National Annex to BS EN 17037 good levels of daylight will be achieved throughout the space.

Note B: As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

Note C: While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window.

Note D: While artificial lighting is expected to play a predominant role in the lighting of this space, the results obtained indicate that a meaningful amount of natural light would be provided to the areas immediately in front of the windows. The level of light predicted would be sufficient to provide occupants with a sense of connection with the outdoor environment.

The room references used below follow the format of the CCK floor plan layouts so for example taking the first reference in the table below of 05_00_01, this is Block 05, Level 00, Apartment 01.

Block 5 sDA Results

Floor	Room Ref	Room Use	Req LUX	Block 5 sDA		% hours Meeting Criteria	Meets Criteria	Professional Opinion
				Req % of space	Req % of Hours			
Ground Floor	05_00_01	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_00_01	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_00_01	KLD	200	50	50	65%	YES	Good level of daylight would be provided; see Note A
	05_00_02	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_00_02	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_00_02	KLD	200	50	50	52%	YES	Good level of daylight would be provided; see Note A
	05_00_03	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_00_03	BED2	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	05_00_03	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_00_04	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_00_04	BED2	100	50	50	73%	YES	Good level of daylight would be provided; see Note A
	05_00_04	KLD	200	50	50	98%	YES	Good level of daylight would be provided; see Note A
	05_00_05	BED	100	50	50	83%	YES	Good level of daylight would be provided; see Note A

	05_00_05	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_00_06	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_00_06	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_00_07	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_00_07	KLD	200	50	50	70%	YES	Good level of daylight would be provided; see Note A
	05_00_08	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_00_08	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_00_08	KLD	200	50	50	63%	YES	Good level of daylight would be provided; see Note A
	05_00_09	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_00_09	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_00_10	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_00_10	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A

Block 5 sDA								
Floor	Room Ref	Room Use	Req LUX	Req % of space	Req % of Hours	% hours Meeting Criteria	Meets Criteria	Professional Opinion
First Floor	05_01_01	BED1	100	50	50	82%	YES	Good level of daylight would be provided; see Note A
	05_01_01	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_01	KLD	200	50	50	35%	NO	Reasonable levels of skylight would be provided locally; see Note C
	05_01_02	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_02	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_03	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_03	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_03	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_04	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_04	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_04	KLD	200	50	50	88%	YES	Good level of daylight would be provided; see Note A
	05_01_05	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_05	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_05	KLD	200	50	50	60%	YES	Good level of daylight would be provided; see Note A
	05_01_06	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A

05_01_06	KLD	200	50	50	79%	YES	Good level of daylight would be provided; see Note A
05_01_07	BED2	100	50	50	86%	YES	Good level of daylight would be provided; see Note A
05_01_07	BED1	100	50	50	50%	YES	Good level of daylight would be provided; see Note A
05_01_07	KLD	200	50	50	62%	YES	Good level of daylight would be provided; see Note A
05_01_08	BED1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
05_01_08	BED2	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
05_01_08	KLD	200	50	50	43%	NO	Reasonable levels of skylight would be provided; see Note B
05_01_09	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
05_01_09	BED1	100	50	50	55%	YES	Good level of daylight would be provided; see Note A
05_01_09	KLD	200	50	50	70%	YES	Good level of daylight would be provided; see Note A
05_01_10	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
05_01_10	KLD	200	50	50	93%	YES	Good level of daylight would be provided; see Note A
05_01_11	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
05_01_11	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
05_01_12	BED1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
05_01_12	BED2	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
05_01_12	KLD	200	50	50	98%	YES	Good level of daylight would be provided; see Note A

	05_01_13	BED1	100	50	50	96%	YES	Good level of daylight would be provided; see Note A
	05_01_13	BED2	100	50	50	96%	YES	Good level of daylight would be provided; see Note A
	05_01_13	KLD	200	50	50	52%	YES	Good level of daylight would be provided; see Note A
	05_01_14	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_14	BED1	100	50	50	66%	YES	Good level of daylight would be provided; see Note A
	05_01_14	KLD	200	50	50	45%	NO	Reasonable levels of skylight would be provided; see Note B
	05_01_15	BED2	100	50	50	58%	YES	Good level of daylight would be provided; see Note A
	05_01_15	BED1	100	50	50	59%	YES	Good level of daylight would be provided; see Note A
	05_01_15	KLD	200	50	50	30%	NO	Reasonable levels of skylight would be provided locally; see Note C
	05_01_16	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_16	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_16	KLD	200	50	50	49%	NO	Reasonable levels of skylight would be provided; see Note B
	05_01_17	BED1	100	50	50	96%	YES	Good level of daylight would be provided; see Note A
	05_01_17	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_18	BED1	100	50	50	92%	YES	Good level of daylight would be provided; see Note A
	05_01_18	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_19	BED1	100	50	50	97%	YES	Good level of daylight would be provided; see Note A

	05_01_19	KLD	200	50	50	95%	YES	Good level of daylight would be provided; see Note A
	05_01_20	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_20	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_20	KLD	200	50	50	54%	YES	Good level of daylight would be provided; see Note A
	05_01_21	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_21	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_21	KLD	200	50	50	85%	YES	Good level of daylight would be provided; see Note A
	05_01_22	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_22	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_23	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_23	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_23	KLD	200	50	50	99%	YES	Good level of daylight would be provided; see Note A
	05_01_24	BED1	100	50	50	92%	YES	Good level of daylight would be provided; see Note A
	05_01_24	KLD	200	50	50	43%	NO	Reasonable levels of skylight would be provided; see Note B
	05_01_25	BED1	100	50	50	89%	YES	Good level of daylight would be provided; see Note A
	05_01_25	BED2	100	50	50	82%	YES	Good level of daylight would be provided; see Note A
	05_01_25	KLD	200	50	50	37%	NO	Reasonable levels of skylight would be provided locally; see Note C

	05_01_26	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_26	KLD	200	50	50	37%	NO	Reasonable levels of skylight would be provided locally; see Note C
	05_01_27	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_27	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_27	KLD	200	50	50	25%	NO	Reasonable levels of skylight would be provided locally; see Note C
	05_01_28	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_28	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_28	KLD	200	50	50	99%	YES	Good level of daylight would be provided; see Note A
	05_01_29	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_29 duplex	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_29 duplex	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_29 duplex	BED3	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_01_30	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_30 duplex	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_30 duplex	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_30 duplex	BED3	100	50	50	100%	YES	Good level of daylight would be provided; see Note A

Floor	Room Ref	Room Use	Block 5 sDA Req LUX	Req % of space	Req % of Hours	% hours Meeting Criteria	Meets Criteria	Professional Opinion
Second Floor	05_02_01	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_01	BED1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	05_02_01	KLD	200	50	50	52%	YES	Good level of daylight would be provided; see Note A
	05_02_02	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_02	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_03	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_03	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_03	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_04	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_04	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_04	KLD	200	50	50	75%	YES	Good level of daylight would be provided; see Note A
	05_02_05	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_05	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_05	KLD	200	50	50	80%	YES	Good level of daylight would be provided; see Note A
	05_02_06	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A

	05_02_06	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_07	BED1	100	50	50	72%	YES	Good level of daylight would be provided; see Note A
	05_02_07	BED2	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	05_02_07	KLD	200	50	50	61%	YES	Good level of daylight would be provided; see Note A
	05_02_08	BED2	100	50	50	97%	YES	Good level of daylight would be provided; see Note A
	05_02_08	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_08	KLD	200	50	50	56%	YES	Good level of daylight would be provided; see Note A
	05_02_09	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_09	BED1	100	50	50	73%	YES	Good level of daylight would be provided; see Note A
	05_02_09	KLD	200	50	50	50%	YES	Good level of daylight would be provided; see Note A
	05_02_10	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_10	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_11	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_11	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_12	BED1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	05_02_12	BED2	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	05_02_12	KLD	200	50	50	89%	YES	Good level of daylight would be provided; see Note A

	05_02_13	BED1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	05_02_13	BED2	100	50	50	95%	YES	Good level of daylight would be provided; see Note A
	05_02_13	KLD	200	50	50	52%	YES	Good level of daylight would be provided; see Note A
	05_02_14	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_14	BED1	100	50	50	72%	YES	Good level of daylight would be provided; see Note A
	05_02_14	KLD	200	50	50	47%	NO	Reasonable levels of skylight would be provided; see Note B
	05_02_15	BED2	100	50	50	63%	YES	Good level of daylight would be provided; see Note A
	05_02_15	BED1	100	50	50	76%	YES	Good level of daylight would be provided; see Note A
	05_02_15	KLD	200	50	50	36%	NO	Reasonable levels of skylight would be provided locally; see Note C
	05_02_16	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_16	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_16	KLD	200	50	50	51%	YES	Good level of daylight would be provided; see Note A
	05_02_17	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_17	KLD	200	50	50	85%	YES	Good level of daylight would be provided; see Note A
	05_02_18	BED1	100	50	50	90%	YES	Good level of daylight would be provided; see Note A
	05_02_18	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_19	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A

	05_02_19	KLD	200	50	50	96%	YES	Good level of daylight would be provided; see Note A
	05_02_20	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_20	KLD	200	50	50	61%	YES	Good level of daylight would be provided; see Note A
	05_02_21	KLD	200	50	50	53%	YES	Good level of daylight would be provided; see Note A
	05_02_21	BED1	100	50	50	60%	YES	Good level of daylight would be provided; see Note A
	05_02_22	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_22	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_22	KLD	200	50	50	84%	YES	Good level of daylight would be provided; see Note A
	05_02_23	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_23	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_24	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_24	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_24	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_25	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_25	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_25	KLD	200	50	50	44%	NO	Reasonable levels of skylight would be provided; see Note B
	05_02_26	BED1	100	50	50	97%	YES	Good level of daylight would be provided; see Note A

	05_02_26	BED2	100	50	50	96%	YES	Good level of daylight would be provided; see Note A
	05_02_26	KLD	200	50	50	47%	NO	Reasonable levels of skylight would be provided; see Note B
	05_02_27	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_27	KLD	200	50	50	47%	NO	Reasonable levels of skylight would be provided; see Note B
	05_02_28	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_28	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_28	KLD	200	50	50	28%	NO	Reasonable levels of skylight would be provided locally; see Note C
	05_02_29	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_29	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_02_29	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A

Block 5 sDA								
Floor	Room Ref	Room Use	Req LUX	Req % of space	Req % of Hours	% hours Meeting Criteria	Meets Criteria	Professional Opinion
Third Floor	05_03_01	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_01	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_01	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_02	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_02	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_03	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_03	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_03	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_04	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_04	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_04	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_05	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_05	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_05	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_06	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A

	05_03_06	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_07	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_07	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_07	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_08	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_08	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_08	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_09	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_09	BED1	100	50	50	89%	YES	Good level of daylight would be provided; see Note A
	05_03_09	KLD	200	50	50	63%	YES	Good level of daylight would be provided; see Note A
	05_03_10	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_10	KLD	200	50	50	94%	YES	Good level of daylight would be provided; see Note A
	05_03_11	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_11	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_12	BED1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	05_03_12	BED2	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	05_03_12	KLD	200	50	50	61%	YES	Good level of daylight would be provided; see Note A

	05_03_13	BED1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	05_03_13	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_13	KLD	200	50	50	53%	YES	Good level of daylight would be provided; see Note A
	05_03_14	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_14	BED1	100	50	50	80%	YES	Good level of daylight would be provided; see Note A
	05_03_14	KLD	200	50	50	51%	YES	Good level of daylight would be provided; see Note A
	05_03_15	BED2	100	50	50	72%	YES	Good level of daylight would be provided; see Note A
	05_03_15	BED1	100	50	50	82%	YES	Good level of daylight would be provided; see Note A
	05_03_15	KLD	200	50	50	38%	NO	Reasonable levels of skylight would be provided locally; see Note C
	05_03_16	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_16	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_16	KLD	200	50	50	53%	YES	Good level of daylight would be provided; see Note A
	05_03_17	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_17	KLD	200	50	50	83%	YES	Good level of daylight would be provided; see Note A
	05_03_18	BED1	100	50	50	92%	YES	Good level of daylight would be provided; see Note A
	05_03_18	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_19	BED1	100	50	50	97%	YES	Good level of daylight would be provided; see Note A

	05_03_19	KLD	200	50	50	96%	YES	Good level of daylight would be provided; see Note A
	05_03_20	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_20	KLD	200	50	50	64%	YES	Good level of daylight would be provided; see Note A
	05_03_21	KLD	200	50	50	51%	YES	Good level of daylight would be provided; see Note A
	05_03_21	BED1	100	50	50	60%	YES	Good level of daylight would be provided; see Note A
	05_03_22	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_22	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_22	KLD	200	50	50	84%	YES	Good level of daylight would be provided; see Note A
	05_03_23	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_23	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_24	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_24	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_24	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_25	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_25	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_25	KLD	200	50	50	57%	YES	Good level of daylight would be provided; see Note A
	05_03_26	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A

	05_03_26	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_26	KLD	200	50	50	49%	NO	Reasonable levels of skylight would be provided; see Note B
	05_03_27	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_27	KLD	200	50	50	52%	YES	Good level of daylight would be provided; see Note A
	05_03_28	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_28	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_28	KLD	200	50	50	32%	NO	Reasonable levels of skylight would be provided locally; see Note C
	05_03_29	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_29	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_03_29	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A

Floor	Room Ref	Room Use	Block 5 sDA Req LUX	Req % of space	Req % of Hours	% hours Meeting Criteria	Meets Criteria	Professional Opinion
Fourth Floor	05_04_01	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_01	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_01	KLD	200	50	50	82%	YES	Good level of daylight would be provided; see Note A
	05_04_02	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_02	KLD	200	50	50	83%	YES	Good level of daylight would be provided; see Note A
	05_04_03	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_03	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_04	BED1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	05_04_04	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_04	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_05	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_05	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_05	KLD	200	50	50	58%	YES	Good level of daylight would be provided; see Note A
	05_04_06	BED1	100	50	50	88%	YES	Good level of daylight would be provided; see Note A
	05_04_06	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A

	05_04_06	KLD	200	50	50	59%	YES	Good level of daylight would be provided; see Note A
	05_04_07	BED1	100	50	50	88%	YES	Good level of daylight would be provided; see Note A
	05_04_07	BED2	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	05_04_07	KLD	200	50	50	46%	NO	Reasonable levels of skylight would be provided; see Note B
	05_04_08	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_08	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_08	KLD	200	50	50	60%	YES	Good level of daylight would be provided; see Note A
	05_04_09	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_09	KLD	200	50	50	81%	YES	Good level of daylight would be provided; see Note A
	05_04_10	BED1	100	50	50	95%	YES	Good level of daylight would be provided; see Note A
	05_04_10	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_11	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_11	KLD	200	50	50	95%	YES	Good level of daylight would be provided; see Note A
	05_04_12	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_12	KLD	200	50	50	86%	YES	Good level of daylight would be provided; see Note A
	05_04_13	BED	100	50	50	95%	YES	Good level of daylight would be provided; see Note A
	05_04_13	KLD	200	50	50	83%	YES	Good level of daylight would be provided; see Note A

	05_04_14	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_14	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_12	KLD	200	50	50	59%	YES	Good level of daylight would be provided; see Note A
	05_04_15	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_15	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_16	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_16	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_16	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_17	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_17	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_17	KLD	200	50	50	83%	YES	Good level of daylight would be provided; see Note A
	05_04_18	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_18	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_18	KLD	200	50	50	51%	YES	Good level of daylight would be provided; see Note A
	05_04_19	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_19	KLD	200	50	50	59%	YES	Good level of daylight would be provided; see Note A
	05_04_20	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A

	05_04_20	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_20	KLD	200	50	50	41%	NO	Reasonable levels of skylight would be provided; see Note B
	05_04_21	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_21	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_04_21	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A

Floor	Room Ref	Room Use	Block 5 sDA Req LUX	Req % of space	Req % of Hours	% hours Meeting Criteria	Meets Criteria	Professional Opinion
Fifth Floor	05_05_01	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_01	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_01	KLD	200	50	50	97%	YES	Good level of daylight would be provided; see Note A
	05_05_02	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_02	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_03	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_03	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_04	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_04	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_04	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_05	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_05	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_05	KLD	200	50	50	99%	YES	Good level of daylight would be provided; see Note A
	05_05_06	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_06	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_06	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A

	05_05_07	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_07	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_07	KLD	200	50	50	90%	YES	Good level of daylight would be provided; see Note A
	05_05_08	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_08	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_08	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_09	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_09	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_10	BED1	100	50	50	97%	YES	Good level of daylight would be provided; see Note A
	05_05_10	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_11	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_11	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_12	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_12	KLD	200	50	50	83%	YES	Good level of daylight would be provided; see Note A
	05_05_13	BED	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	05_05_13	KLD	200	50	50	83%	YES	Good level of daylight would be provided; see Note A
	05_05_14	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A

	05_05_14	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_15	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_15	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_15	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_16	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_16	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_16	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_17	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_17	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_17	KLD	200	50	50	97%	YES	Good level of daylight would be provided; see Note A
	05_05_18	BED	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_18	KLD	200	50	50	96%	YES	Good level of daylight would be provided; see Note A
	05_05_19	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_19	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	05_05_19	KLD	200	50	50	99%	YES	Good level of daylight would be provided; see Note A

Block 6 sDA Results

Floor	Room Ref	Room Use	Block 6 sDA Req LUX	Req % of space	Req % of Hours	% hours Meeting Criteria	Meets Criteria	Professional Opinion
Ground Floor	06_00_01	Bed2	100	50	50	76%	YES	Good level of daylight would be provided; see Note A
	06_00_01	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_01	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_02	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_02	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_02	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_03	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_03	KLD	200	50	50	71%	YES	Good level of daylight would be provided; see Note A
	06_00_04	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_04	KLD	200	50	50	87%	YES	Good level of daylight would be provided; see Note A
	06_00_05	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_05	KLD	200	50	50	51%	YES	Good level of daylight would be provided; see Note A
	06_00_06	Bed1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A

	06_00_06	KLD	200	50	50	57%	YES	Good level of daylight would be provided; see Note A
	06_00_07	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_07	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_07	KLD	200	50	50	40%	NO	Reasonable levels of daylight would be provided; see Note B
	06_00_08	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_08	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_08	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_09	KLD	200	50	50	70%	YES	Good level of daylight would be provided; see Note A
	06_00_09	BED1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_00_10	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_10	KLD	200	50	50	97%	YES	Good level of daylight would be provided; see Note A
	06_00_11	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_11	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_11	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_12	BED1	100	50	50	97%	YES	Good level of daylight would be provided; see Note A
	06_00_12	KLD	200	50	50	75%	YES	Good level of daylight would be provided; see Note A
	06_00_13	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A

	06_00_13	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_13	KLD	200	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_00_15	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_15	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_15	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_17	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_17	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_00_17	KLD	200	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_00_19	BED	100	50	50	90%	YES	Good level of daylight would be provided; see Note A
	06_00_19	KLD	200	50	50	48%	NO	Reasonable levels of daylight would be provided; see Note B
	06_00_20	BED1	100	50	50	90%	YES	Good level of daylight would be provided; see Note A
	06_00_20	KLD	200	50	50	51%	YES	Good level of daylight would be provided; see Note A
	06_00_21	Bed1	100	50	50	64%	YES	Good level of daylight would be provided; see Note A
	06_00_21	Bed2	100	50	50	94%	YES	Good level of daylight would be provided; see Note A
	06_00_21	KLD	200	50	50	29%	NO	Reasonable levels of daylight would be provided locally; see Note C

Floor	Room Ref	Room Use	Block 6 sDA Req LUX	Req % of space	Req % of Hours	% hours Meeting Criteria	Meets Criteria	Professional Opinion
First Floor	06_01_01	Bed1	100	50	50	44%	NO	Reasonable levels of daylight would be provided; see Note B
	06_01_01	Bed2	100	50	50	20%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_01_01	KLD	200	50	50	17%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_01_02	Bed1	100	50	50	39%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_01_02	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_02	KLD	200	50	50	97%	YES	Good level of daylight would be provided; see Note A
	06_01_03	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_03	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_03	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_04	Bed1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_01_04	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_05	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_05	KLD	200	50	50	84%	YES	Good level of daylight would be provided; see Note A
	06_01_06	Bed1	100	50	50	95%	YES	Good level of daylight would be provided; see Note A
	06_01_06	KLD	200	50	50	53%	YES	Good level of daylight would be provided; see Note A

	06_01_07	Bed1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_01_07	KLD	200	50	50	62%	YES	Good level of daylight would be provided; see Note A
	06_01_08	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_08	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_08	KLD	200	50	50	63%	YES	Good level of daylight would be provided; see Note A
	06_01_09	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_09	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_09	KLD	200	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_01_10	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_10	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_10	KLD	200	50	50	26%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_01_11	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_11	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_11	KLD	200	50	50	21%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_01_12	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_12	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_12	KLD	200	50	50	70%	YES	Good level of daylight would be provided; see Note A

	06_01_13	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_13	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_13	KLD	200	50	50	93%	YES	Good level of daylight would be provided; see Note A
	06_01_14	Bed1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_01_14	KLD	200	50	50	60%	YES	Good level of daylight would be provided; see Note A
	06_01_15	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_15	KLD	200	50	50	76%	YES	Good level of daylight would be provided; see Note A
	06_01_16	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_16	KLD	200	50	50	50%	YES	Good level of daylight would be provided; see Note A
	06_01_17	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_17	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_18	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_18	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_18	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_19	Bed1	100	50	50	68%	YES	Good level of daylight would be provided; see Note A
	06_01_19	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_19	KLD	200	50	50	99%	YES	Good level of daylight would be provided; see Note A

	06_01_20	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_20	Bed1	100	50	50	70%	YES	Good level of daylight would be provided; see Note A
	06_01_20	KLD	200	50	50	38%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_01_21	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_21	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_21	KLD	200	50	50	87%	YES	Good level of daylight would be provided; see Note A
	06_01_22	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_22	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_22	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_23	Bed1	100	50	50	63%	YES	Good level of daylight would be provided; see Note A
	06_01_23	Bed2	100	50	50	95%	YES	Good level of daylight would be provided; see Note A
	06_01_23	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_24	Bed1	100	50	50	20%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_01_24	KLD	200	50	50	18%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_01_25	Bed1	100	50	50	96%	YES	Good level of daylight would be provided; see Note A
	06_01_25	Bed1	100	50	50	22%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_01_25	KLD	200	50	50	57%	YES	Good level of daylight would be provided; see Note A

	06_01_25	KLD	200	50	50	22%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_01_26	Bed1	100	50	50	95%	YES	Good level of daylight would be provided; see Note A
	06_01_26	KLD	200	50	50	48%	NO	Reasonable levels of daylight would be provided; see Note B
	06_01_27	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_27	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_27	KLD	200	50	50	69%	YES	Good level of daylight would be provided; see Note A
	06_01_28	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_28	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_28	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_29	Bed1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_01_29	KLD	200	50	50	60%	YES	Good level of daylight would be provided; see Note A
	06_01_30	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_30	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_30	KLD	200	50	50	94%	YES	Good level of daylight would be provided; see Note A
	06_01_31	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_31	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_31	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A

	06_01_32	Bed1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_01_32	Bed2	100	50	50	46%	NO	Reasonable levels of daylight would be provided; see Note B
	06_01_32	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_33	Bed1	100	50	50	74%	YES	Good level of daylight would be provided; see Note A
	06_01_33	KLD	200	50	50	47%	NO	Reasonable levels of daylight would be provided; see Note B
	06_01_34	Bed1	100	50	50	85%	YES	Good level of daylight would be provided; see Note A
	06_01_34	KLD	200	50	50	34%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_01_35	Bed1	100	50	50	97%	YES	Good level of daylight would be provided; see Note A
	06_01_35	KLD	200	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_01_36	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_36	KLD	200	50	50	54%	YES	Good level of daylight would be provided; see Note A
	06_01_37	Bed2	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_01_37	Bed1	100	50	50	82%	YES	Good level of daylight would be provided; see Note A
	06_01_37	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_38	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_38	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_38	KLD	200	50	50	99%	YES	Good level of daylight would be provided; see Note A

	06_01_39	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_39	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_39	KLD	200	50	50	43%	NO	Reasonable levels of daylight would be provided; see Note B
	06_01_40	Bed1	100	50	50	60%	YES	Good level of daylight would be provided; see Note A
	06_01_40	KLD	200	50	50	51%	YES	Good level of daylight would be provided; see Note A
	06_01_41	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_41	Bed2	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_01_41	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_42	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_42	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_42	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_43	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_43	KLD	200	50	50	53%	YES	Good level of daylight would be provided; see Note A
	06_01_44	Bed1	100	50	50	84%	YES	Good level of daylight would be provided; see Note A
	06_01_44	KLD	200	50	50	68%	YES	Good level of daylight would be provided; see Note A
	06_01_45	Bed1	100	50	50	78%	YES	Good level of daylight would be provided; see Note A
	06_01_45	KLD	200	50	50	40%	NO	Reasonable levels of daylight would be provided; see Note B

	06_01_46	Bed1	100	50	50	75%	YES	Good level of daylight would be provided; see Note A
	06_01_46	KLD	200	50	50	46%	NO	Reasonable levels of daylight would be provided; see Note B
	06_01_47	Bed1	100	50	50	56%	YES	Good level of daylight would be provided; see Note A
	06_01_47	Bed2	100	50	50	69%	YES	Good level of daylight would be provided; see Note A
	06_01_47	KLD	200	50	50	31%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_01_48	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_48	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_48	KLD	200	50	50	36%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_01_49	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_49	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_01_49	KLD	200	50	50	62%	YES	Good level of daylight would be provided; see Note A

Floor	Room Ref	Room Use	Block 6 sDA Req LUX	Req % of space	Req % of Hours	% hours Meeting Criteria	Meets Criteria	Professional Opinion
Second Floor	06_02_01	Bed1	100	50	50	40%	NO	Reasonable levels of daylight would be provided; see Note B
	06_02_01	Bed2	100	50	50	15%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_02_01	KLD	200	50	50	18%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_02_02	Bed1	100	50	50	35%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_02_02	Bed2	100	50	50	92%	YES	Good level of daylight would be provided; see Note A
	06_02_02	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_03	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_03	Bed	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_03	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_04	Bed1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_02_04	KLD	200	50	50	70%	YES	Good level of daylight would be provided; see Note A
	06_02_05	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_05	KLD	200	50	50	74%	YES	Good level of daylight would be provided; see Note A
	06_02_06	Bed1	100	50	50	95%	YES	Good level of daylight would be provided; see Note A
	06_02_06	KLD	200	50	50	55%	YES	Good level of daylight would be provided; see Note A

06_02_07	Bed1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
06_02_07	KLD	200	50	50	63%	YES	Good level of daylight would be provided; see Note A
06_02_08	Bed1	100	50	50	91%	YES	Good level of daylight would be provided; see Note A
06_02_08	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
06_02_08	KLD	200	50	50	65%	YES	Good level of daylight would be provided; see Note A
06_02_09	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
06_02_09	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
06_02_09	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
06_02_10	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
06_02_10	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
06_02_10	KLD	200	50	50	26%	NO	Reasonable levels of daylight would be provided locally; see Note C
06_02_11	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
06_02_11	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
06_02_11	KLD	200	50	50	23%	NO	Reasonable levels of daylight would be provided locally; see Note C
06_02_12	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
06_02_12	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
06_02_12	KLD	200	50	50	91%	YES	Good level of daylight would be provided; see Note A

	06_02_13	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_13	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_13	KLD	200	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_02_14	Bed1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_02_14	KLD	200	50	50	58%	YES	Good level of daylight would be provided; see Note A
	06_02_15	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_15	KLD	200	50	50	72%	YES	Good level of daylight would be provided; see Note A
	06_02_16	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_16	KLD	200	50	50	74%	YES	Good level of daylight would be provided; see Note A
	06_02_17	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_17	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_18	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_18	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_18	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_19	Bed1	100	50	50	89%	YES	Good level of daylight would be provided; see Note A
	06_02_19	Bed2	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_02_19	KLD	200	50	50	99%	YES	Good level of daylight would be provided; see Note A

	06_02_20	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_20	Bed1	100	50	50	57%	YES	Good level of daylight would be provided; see Note A
	06_02_20	KLD	200	50	50	39%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_02_21	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_21	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_21	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_22	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_22	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_22	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_23	Bed1	100	50	50	63%	YES	Good level of daylight would be provided; see Note A
	06_02_23	Bed2	100	50	50	89%	YES	Good level of daylight would be provided; see Note A
	06_02_23	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_24	Bed1	100	50	50	18%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_02_24	KLD	200	50	50	19%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_02_25	Bed1	100	50	50	94%	YES	Good level of daylight would be provided; see Note A
	06_02_25	Bed	100	50	50	26%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_02_25	KLD	200	50	50	55%	YES	Good level of daylight would be provided; see Note A

	06_02_25	KLD	200	50	50	23%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_02_26	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_26	KLD	200	50	50	52%	YES	Good level of daylight would be provided; see Note A
	06_02_27	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_27	Bed	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_27	KLD	200	50	50	89%	YES	Good level of daylight would be provided; see Note A
	06_02_28	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_28	Bed	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_28	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_29	Bed1	100	50	50	97%	YES	Good level of daylight would be provided; see Note A
	06_02_29	KLD	200	50	50	61%	YES	Good level of daylight would be provided; see Note A
	06_02_30	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_30	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_30	KLD	200	50	50	79%	YES	Good level of daylight would be provided; see Note A
	06_02_31	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_31	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_31	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A

	06_02_32	Bed1	100	50	50	81%	YES	Good level of daylight would be provided; see Note A
	06_02_32	Bed2	100	50	50	64%	YES	Good level of daylight would be provided; see Note A
	06_02_32	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_33	Bed1	100	50	50	86%	YES	Good level of daylight would be provided; see Note A
	06_02_33	KLD	200	50	50	52%	YES	Good level of daylight would be provided; see Note A
	06_02_34	Bed	100	50	50	88%	YES	Good level of daylight would be provided; see Note A
	06_02_34	KLD	200	50	50	41%	NO	Reasonable levels of daylight would be provided; see Note B
	06_02_35	Bed1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_02_35	KLD	200	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_02_36	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_36	KLD	200	50	50	61%	YES	Good level of daylight would be provided; see Note A
	06_02_37	Bed2	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_02_37	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_37	KLD	200	50	50	67%	YES	Good level of daylight would be provided; see Note A
	06_02_38	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_38	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_38	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A

	06_02_39	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_39	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_39	KLD	200	50	50	40%	NO	Reasonable levels of daylight would be provided; see Note B
	06_02_40	Bed1	100	50	50	56%	YES	Good level of daylight would be provided; see Note A
	06_02_40	KLD	200	50	50	52%	YES	Good level of daylight would be provided; see Note A
	06_02_41	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_41	Bed2	100	50	50	90%	YES	Good level of daylight would be provided; see Note A
	06_02_41	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_42	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_42	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_42	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_43	Bed1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_02_43	KLD	200	50	50	59%	YES	Good level of daylight would be provided; see Note A
	06_02_44	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_44	KLD	200	50	50	66%	YES	Good level of daylight would be provided; see Note A
	06_02_45	Bed1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_02_45	KLD	200	50	50	43%	NO	Reasonable levels of daylight would be provided; see Note B

	06_02_46	Bed1	100	50	50	91%	YES	Good level of daylight would be provided; see Note A
	06_02_46	KLD	200	50	50	49%	NO	Reasonable levels of daylight would be provided; see Note B
	06_02_47	Bed1	100	50	50	63%	YES	Good level of daylight would be provided; see Note A
	06_02_47	Bed2	100	50	50	78%	YES	Good level of daylight would be provided; see Note A
	06_02_47	KLD	200	50	50	39%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_02_48	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_48	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_48	KLD	200	50	50	40%	NO	Reasonable levels of daylight would be provided; see Note B
	06_02_49	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_49	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_02_49	KLD	200	50	50	62%	YES	Good level of daylight would be provided; see Note A

Floor	Room Ref	Room Use	Block 6 sDA Req LUX	Req % of space	Req % of Hours	% hours Meeting Criteria	Meets Criteria	Professional Opinion
Third Floor	06_03_01	Bed1	100	50	50	39%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_03_01	Bed2	100	50	50	29%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_03_01	KLD	200	50	50	21%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_03_02	Bed1	100	50	50	39%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_03_02	Bed2	100	50	50	92%	YES	Good level of daylight would be provided; see Note A
	06_03_02	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_03	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_03	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_03	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_04	Bed1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_03_04	KLD	200	50	50	65%	YES	Good level of daylight would be provided; see Note A
	06_03_05	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_05	KLD	200	50	50	71%	YES	Good level of daylight would be provided; see Note A
	06_03_06	Bed1	100	50	50	95%	YES	Good level of daylight would be provided; see Note A
	06_03_06	KLD	200	50	50	58%	YES	Good level of daylight would be provided; see Note A
	06_03_07	Bed1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A

	06_03_07	KLD	200	50	50	60%	YES	Good level of daylight would be provided; see Note A
	06_03_08	Bed1	100	50	50	78%	YES	Good level of daylight would be provided; see Note A
	06_03_08	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_08	KLD	200	50	50	73%	YES	Good level of daylight would be provided; see Note A
	06_03_09	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_09	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_09	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_10	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_10	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_10	KLD	200	50	50	28%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_03_11	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_11	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_11	KLD	200	50	50	23%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_03_12	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_12	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_12	KLD	200	50	50	80%	YES	Good level of daylight would be provided; see Note A
	06_03_13	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A

	06_03_13	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_13	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_14	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_14	KLD	200	50	50	92%	YES	Good level of daylight would be provided; see Note A
	06_03_15	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_15	KLD	200	50	50	92%	YES	Good level of daylight would be provided; see Note A
	06_03_16	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_16	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_17	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_17	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_18	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_18	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_18	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_19	Bed1	100	50	50	91%	YES	Good level of daylight would be provided; see Note A
	06_03_19	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_19	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_20	Bed2	100	50	50	98%	YES	Good level of daylight would be provided; see Note A

	06_03_20	Bed1	100	50	50	58%	YES	Good level of daylight would be provided; see Note A
	06_03_20	KLD	200	50	50	40%	NO	Reasonable levels of daylight would be provided; see Note B
	06_03_21	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_21	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_21	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_22	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_22	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_22	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_23	Bed1	100	50	50	65%	YES	Good level of daylight would be provided; see Note A
	06_03_23	Bed2	100	50	50	89%	YES	Good level of daylight would be provided; see Note A
	06_03_23	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_24	Bed1	100	50	50	21%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_03_24	KLD	200	50	50	23%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_03_25	Bed1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_03_25	Bed1	100	50	50	29%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_03_25	KLD	200	50	50	55%	YES	Good level of daylight would be provided; see Note A
	06_03_25	KLD	200	50	50	26%	NO	Reasonable levels of daylight would be provided locally; see Note C

	06_03_26	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_26	KLD	200	50	50	53%	YES	Good level of daylight would be provided; see Note A
	06_03_27	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_27	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_27	KLD	200	50	50	80%	YES	Good level of daylight would be provided; see Note A
	06_03_28	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_28	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_28	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_29	Bed1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_03_29	KLD	200	50	50	75%	YES	Good level of daylight would be provided; see Note A
	06_03_30	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_30	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_30	KLD	200	50	50	79%	YES	Good level of daylight would be provided; see Note A
	06_03_31	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_31	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_31	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_32	Bed1	100	50	50	75%	YES	Good level of daylight would be provided; see Note A

	06_03_32	Bed2	100	50	50	58%	YES	Good level of daylight would be provided; see Note A
	06_03_32	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_33	Bed1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_03_33	KLD	200	50	50	54%	YES	Good level of daylight would be provided; see Note A
	06_03_34	Bed1	100	50	50	97%	YES	Good level of daylight would be provided; see Note A
	06_03_34	KLD	200	50	50	43%	NO	Reasonable levels of daylight would be provided; see Note B
	06_03_35	Bed1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_03_35	KLD	200	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_03_36	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_36	KLD	200	50	50	67%	YES	Good level of daylight would be provided; see Note A
	06_03_37	Bed2	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_03_37	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_37	KLD	200	50	50	70%	YES	Good level of daylight would be provided; see Note A
	06_03_38	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_38	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_38	KLD	200	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_03_39	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A

	06_03_39	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_39	KLD	200	50	50	41%	NO	Reasonable levels of daylight would be provided; see Note B
	06_03_40	Bed1	100	50	50	79%	YES	Good level of daylight would be provided; see Note A
	06_03_40	KLD	200	50	50	55%	YES	Good level of daylight would be provided; see Note A
	06_03_41	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_41	Bed2	100	50	50	84%	YES	Good level of daylight would be provided; see Note A
	06_03_41	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_42	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_42	Bed2	100	50	50	96%	YES	Good level of daylight would be provided; see Note A
	06_03_42	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_43	Bed1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_03_43	KLD	200	50	50	57%	YES	Good level of daylight would be provided; see Note A
	06_03_44	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_44	KLD	200	50	50	69%	YES	Good level of daylight would be provided; see Note A
	06_03_45	Bed1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_03_45	KLD	200	50	50	49%	NO	Reasonable levels of daylight would be provided; see Note B
	06_03_46	Bed1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A

	06_03_46	KLD	200	50	50	58%	YES	Good level of daylight would be provided; see Note A
	06_03_47	Bed1	100	50	50	66%	YES	Good level of daylight would be provided; see Note A
	06_03_47	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_47	KLD	200	50	50	43%	NO	Reasonable levels of daylight would be provided; see Note B
	06_03_48	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_48	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_48	KLD	200	50	50	54%	YES	Good level of daylight would be provided; see Note A
	06_03_49	Bed1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_49	Bed2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_03_49	KLD	200	50	50	73%	YES	Good level of daylight would be provided; see Note A

Floor	Room Ref	Room Use	Block 6 sDA Req LUX	Req % of space	Req % of Hours	% hours Meeting Criteria	Meets Criteria	Professional Opinion
Fourth Floor	06_04_01	BED1	100	50	50	57%	YES	Good level of daylight would be provided; see Note A
	06_04_01	BED2	100	50	50	40%	NO	Reasonable levels of daylight would be provided; see Note B
	06_04_01	KLD	200	50	50	32%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_04_02	BED1	100	50	50	44%	NO	Reasonable levels of daylight would be provided; see Note B
	06_04_02	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_02	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_03	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_03	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_03	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_04	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_04	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_05	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_05	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_06	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_06	KLD	200	50	50	93%	YES	Good level of daylight would be provided; see Note A

	06_04_07	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_07	KLD	200	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_04_08	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_08	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_08	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_09	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_09	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_09	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_10	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_10	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_10	KLD	200	50	50	33%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_04_11	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_11	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_11	KLD	200	50	50	52%	YES	Good level of daylight would be provided; see Note A
	06_04_12	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_12	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_12	KLD	200	50	50	99%	YES	Good level of daylight would be provided; see Note A

	06_04_13	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_13	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_14	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_14	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_15	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_15	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_16	BED1	100	50	50	95%	YES	Good level of daylight would be provided; see Note A
	06_04_16	KLD	200	50	50	92%	YES	Good level of daylight would be provided; see Note A
	06_04_17	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_17	BED1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_04_17	KLD	200	50	50	68%	YES	Good level of daylight would be provided; see Note A
	06_04_18	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_18	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_18	KLD	200	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_04_19	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_19	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_19	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A

	06_04_20	BED2	100	50	50	96%	YES	Good level of daylight would be provided; see Note A
	06_04_20	BED1	100	50	50	63%	YES	Good level of daylight would be provided; see Note A
	06_04_20	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_21	BED1	100	50	50	37%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_04_21	KLD	200	50	50	31%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_04_22	BED1	100	50	50	49%	NO	Reasonable levels of daylight would be provided; see Note B
	06_04_22	KLD	200	50	50	32%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_04_23	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_23	KLD	200	50	50	60%	YES	Good level of daylight would be provided; see Note A
	06_04_24	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_24	KLD	200	50	50	52%	YES	Good level of daylight would be provided; see Note A
	06_04_25	BED1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_04_25	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_25	KLD	200	50	50	91%	YES	Good level of daylight would be provided; see Note A
	06_04_26	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_26	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_26	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A

	06_04_27	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_27	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_28	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_28	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_28	KLD	200	50	50	69%	YES	Good level of daylight would be provided; see Note A
	06_04_29	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_29	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_29	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_30	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_30	BED2	100	50	50	77%	YES	Good level of daylight would be provided; see Note A
	06_04_30	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_31	BED1	100	50	50	95%	YES	Good level of daylight would be provided; see Note A
	06_04_31	KLD	200	50	50	53%	YES	Good level of daylight would be provided; see Note A
	06_04_32	BED1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_04_32	KLD	200	50	50	48%	NO	Reasonable levels of daylight would be provided; see Note B
	06_04_33	BED1	100	50	50	97%	YES	Good level of daylight would be provided; see Note A
	06_04_33	KLD	200	50	50	99%	YES	Good level of daylight would be provided; see Note A

	06_04_34	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_34	KLD	200	50	50	66%	YES	Good level of daylight would be provided; see Note A
	06_04_35	BED2	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_04_35	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_35	KLD	200	50	50	89%	YES	Good level of daylight would be provided; see Note A
	06_04_36	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_36	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_36	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_37	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_37	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_37	KLD	200	50	50	37%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_04_38	BED1	100	50	50	87%	YES	Good level of daylight would be provided; see Note A
	06_04_38	KLD	200	50	50	57%	YES	Good level of daylight would be provided; see Note A
	06_04_39	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_39	BED1	100	50	50	95%	YES	Good level of daylight would be provided; see Note A
	06_04_39	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_40	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A

	06_04_40	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_40	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_41	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_41	KLD	200	50	50	60%	YES	Good level of daylight would be provided; see Note A
	06_04_42	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_42	KLD	200	50	50	71%	YES	Good level of daylight would be provided; see Note A
	06_04_43	BED1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_04_43	KLD	200	50	50	54%	YES	Good level of daylight would be provided; see Note A
	06_04_44	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_44	KLD	200	50	50	58%	YES	Good level of daylight would be provided; see Note A
	06_04_45	BED1	100	50	50	73%	YES	Good level of daylight would be provided; see Note A
	06_04_45	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_45	KLD	200	50	50	53%	YES	Good level of daylight would be provided; see Note A
	06_04_46	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_46	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_46	KLD	200	50	50	63%	YES	Good level of daylight would be provided; see Note A
	06_04_47	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A

	06_04_47	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_04_47	KLD	200	50	50	74%	YES	Good level of daylight would be provided; see Note A

Floor	Room Ref	Room Use	Block 6 sDA Req LUX	Req % of space	Req % of Hours	% hours Meeting Criteria	Meets Criteria	Professional Opinion
Fifth Floor	06_05_01	BED1	100	50	50	84%	YES	Good level of daylight would be provided; see Note A
	06_05_01	BED2	100	50	50	81%	YES	Good level of daylight would be provided; see Note A
	06_05_01	KLD	200	50	50	38%	NO	Reasonable levels of daylight would be provided locally; see Note C
	06_05_02	BED1	100	50	50	78%	YES	Good level of daylight would be provided; see Note A
	06_05_02	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_02	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_03	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_03	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_03	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_04	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_04	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_04	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_05	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_05	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_05	KLD	200	50	50	49%	NO	Reasonable levels of daylight would be provided; see Note B
	06_05_06	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A

	06_05_06	KLD	200	50	50	78%	YES	Good level of daylight would be provided; see Note A
	06_05_07	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_07	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_08	BED1	100	50	50	90%	YES	Good level of daylight would be provided; see Note A
	06_05_08	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_08	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_09	BED1	100	50	50	97%	YES	Good level of daylight would be provided; see Note A
	06_05_09	KLD	200	50	50	58%	YES	Good level of daylight would be provided; see Note A
	06_05_10	BED1	100	50	50	94%	YES	Good level of daylight would be provided; see Note A
	06_05_10	KLD	200	50	50	56%	YES	Good level of daylight would be provided; see Note A
	06_05_11	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_11	KLD	200	50	50	80%	YES	Good level of daylight would be provided; see Note A
	06_05_12	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_12	KLD	200	50	50	81%	YES	Good level of daylight would be provided; see Note A
	06_05_13	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_13	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_13	KLD	200	50	50	98%	YES	Good level of daylight would be provided; see Note A

	06_05_14	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_14	KLD	200	50	50	78%	YES	Good level of daylight would be provided; see Note A
	06_05_15	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_15	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_15	KLD	200	50	50	50%	YES	Reasonable levels of daylight would be provided; see Note A
	06_05_16	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_16	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_16	KLD	200	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_05_17	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_17	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_17	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_18	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_18	KLD	200	50	50	50%	YES	Reasonable levels of daylight would be provided; see Note A
	06_05_19	BED1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_05_19	KLD	200	50	50	43%	NO	Reasonable levels of daylight would be provided; see Note B
	06_05_20	BED1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_05_20	KLD	200	50	50	97%	YES	Good level of daylight would be provided; see Note A

	06_05_21	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_21	KLD	200	50	50	69%	YES	Good level of daylight would be provided; see Note A
	06_05_22	BED1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_05_22	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_22	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_23	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_23	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_23	KLD	200	50	50	96%	YES	Good level of daylight would be provided; see Note A
	06_05_24	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_24	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_24	KLD	200	50	50	36%	NO	Reasonable levels of daylight would be provided; see Note A
	06_05_25	BED1	100	50	50	82%	YES	Good level of daylight would be provided; see Note A
	06_05_25	KLD	200	50	50	54%	YES	Good level of daylight would be provided; see Note A
	06_05_26	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_26	BED2	100	50	50	86%	YES	Good level of daylight would be provided; see Note A
	06_05_26	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_27	BED1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A

	06_05_27	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_27	KLD	200	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_05_28	BED1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_05_28	KLD	200	50	50	61%	YES	Good level of daylight would be provided; see Note A
	06_05_29	BED1	100	50	50	99%	YES	Good level of daylight would be provided; see Note A
	06_05_29	KLD	200	50	50	69%	YES	Good level of daylight would be provided; see Note A
	06_05_30	BED1	100	50	50	97%	YES	Good level of daylight would be provided; see Note A
	06_05_30	KLD	200	50	50	48%	NO	Reasonable levels of daylight would be provided; see Note B
	06_05_31	BED1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_05_31	KLD	200	50	50	54%	YES	Good level of daylight would be provided; see Note A
	06_05_32	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_32	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_32	KLD	200	50	50	90%	YES	Good level of daylight would be provided; see Note A
	06_05_33	BED1	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_05_33	BED2	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_05_33	KLD	200	50	50	74%	YES	Good level of daylight would be provided; see Note A
	06_05_34	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A

	06_05_34	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_05_34	KLD	200	50	50	64%	YES	Good level of daylight would be provided; see Note A

Block 6 sDA								
Floor	Room Ref	Room Use	Req LUX	Req % of space	Req % of Hours	% hours Meeting Criteria	Meets Criteria	Professional Opinion
Sixth Floor	06_06_01	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_01	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_01	KLD	200	50	50	84%	YES	Good level of daylight would be provided; see Note A
	06_06_02	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_02	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_02	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_03	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_03	KLD	200	50	50	65%	YES	Good level of daylight would be provided; see Note A
	06_06_04	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_04	KLD	200	50	50	74%	YES	Good level of daylight would be provided; see Note A
	06_06_05	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_05	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_06	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_06	KLD	200	50	50	92%	YES	Good level of daylight would be provided; see Note A
	06_06_07	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_07	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A

	06_06_07	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_08	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_08	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_08	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_09	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_09	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_09	KLD	200	50	50	57%	YES	Good level of daylight would be provided; see Note A
	06_06_10	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_10	KLD	200	50	50	77%	YES	Good level of daylight would be provided; see Note A
	06_06_11	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_11	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_11	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_12	BED2	100	50	50	98%	YES	Good level of daylight would be provided; see Note A
	06_06_12	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_12	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_13	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_13	KLD	200	50	50	81%	YES	Good level of daylight would be provided; see Note A

	06_06_14	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_14	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_15	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_15	KLD	200	50	50	73%	YES	Good level of daylight would be provided; see Note A
	06_06_16	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_16	KLD	200	50	50	65%	YES	Good level of daylight would be provided; see Note A
	06_06_17	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_17	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_17	KLD	200	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_18	BED1	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_18	BED2	100	50	50	100%	YES	Good level of daylight would be provided; see Note A
	06_06_18	KLD	200	50	50	98%	YES	Good level of daylight would be provided; see Note A

Appendix C: Compensatory Aspects of Apartments

Please refer to the separately bound A3 booklet.

Delap & Waller

Clongriffin - Blocks 5 & 6

Daylight and Sunlight Performance Assessment
Associated with Proposed Development at Clongriffin
Blocks 5 & 6
Report 1 of 2
Appendix C: Compensatory Aspects of Apartments
08/08/2024

Spatial Daylight Autonomy (sDA) assessment results

Refer to Delap & Waller's Daylighting & Sunlight Impact Assessment.

TARGET *Bedroom:*
** 100 Lux achieved for 50.00% of hours at least 50.00% of the floor area.*

Kitchen/Living/Dining:
** 200 Lux achieved for 50.00% of hours at least 50.00% of the floor area.*

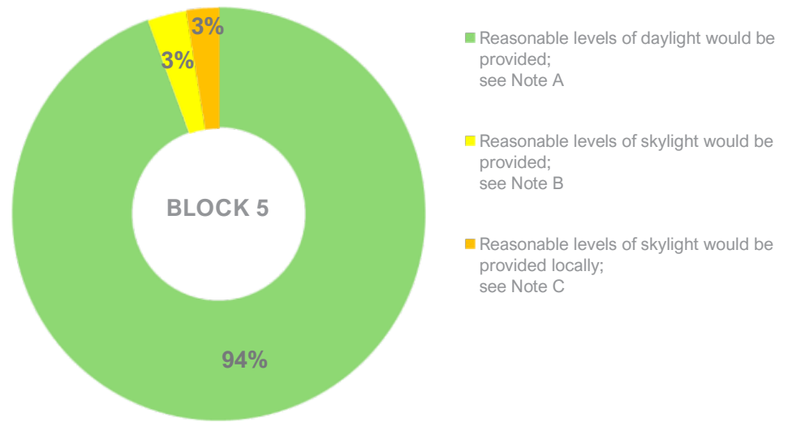
The internal daylight provision SDA analysis shows that Blocks 5 and 6 achieve a high rate of compliance with the recommendations of BRE 209 and the advice and guidance in BS EN 17037:2018 Daylight in Buildings..

At Block 5, 94.45% of rooms comply with the recommendations while at Block 6 this figure is 90%. The adjacent charts show illustrate the findings.

The following pages of this report demonstrate the compensatory aspects of apartments with below optimum daylighting as well as their location within each block.

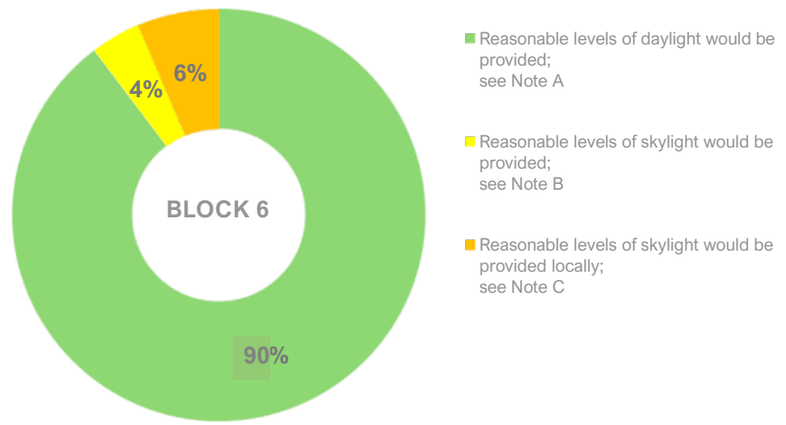
sDA results Block 5

Result	No. of rooms tested	Result reference note
Reasonable levels of daylight would be provided; see **Note A**	**341**	**Result A: All units meet or exceed the 50% threshold.** As the levels of natural light predicted for this room exceed the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would be available.
Reasonable levels of skylight would be provided; see **Note B**	**11**	**Result B: Results range from 40-49%, marginally below the 50% threshold.** As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.
Reasonable levels of skylight would be provided locally; see **Note C**	**9**	**Result C: Results range from 15-39%, below the 50% threshold.** While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window.
Total no. rooms tested	361	



sDA results Block 6

Result	No. of rooms tested	Result reference note
Reasonable levels of daylight would be provided; see **Note A**	**609**	**Result A: All units meet or exceed the 50% threshold.** As the levels of natural light predicted for this room exceed the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would be available.
Reasonable levels of skylight would be provided; see **Note B**	**29**	**Result B: Results range from 40-49%, marginally below the 50% threshold.** As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.
Reasonable levels of skylight would be provided locally; see **Note C**	**41**	**Result C: Results range from 15-39%, below the 50% threshold.** While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window.
Total no. rooms tested	679	



Block 5 - Compensatory aspects of apartments with below optimum daylighting

First Floor Level				
UNIT No	Score	Room	Orientation	Compensatory Aspects
05.01.01	C	KLD	East/Southeast	Balcony sunlit from south, room 5% oversize, large window with view to landscaped courtyard.
05.01.08	B	KLD	East/Southeast	Room 5% oversize, large window with 24m view through landscaped courtyard.
05.01.14	B	KLD	South/Southwest	Excellent sunlit orientation, large window with 35m view of landscaped courtyard. Opposing edge 2 storeys.
05.01.15	C	KLD	South/Southwest	Excellent sunlit orientation, large window with 35m view of landscaped courtyard. Opposing edge 2 storeys.
05.01.16	B	KLD	South/Southwest	Excellent sunlit orientation, large window with 35m view of landscaped courtyard Opposing edge 2 storeys.
05.01.24	B	KLD	West/Northwest	Evening light, large window with 24m view through landscaped courtyard. Opposing edge 3 storeys.
05.01.25	C	KLD	West/Northwest	Late afternoon sun, large window with 24m view through landscaped courtyard. Opposing edge 3 storeys.
05.01.26	C	KLD	West/Northwest	Late afternoon sun, large window with 24m view through landscaped courtyard. Opposing edge 3 storeys.
05.01.27	C	KLD	West/Northwest	Late afternoon sun, room 7% oversize, large window with 26m view of landscaped courtyard. Opposing edge 3 storeys. Dual aspect.

First Floor Key Plan (NTS)

Key: 05.01.01 means Block 5, Floor 1, Apt 1. Colours: A green, B yellow, C orange, D blue. Classification notes are the professional opinion of D&W per D+W lighting report and based on the advice and guidance in BS EN 17037:2018 Daylight in Buildings.

B: 40-49% Pass Rate. As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

C: 20-39% Pass Rate. While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window. This is generally a kitchen counter with task lighting.

Block 5 - Compensatory aspects of apartments with below optimum daylighting

Second Floor Level				
UNIT No	Score	Room	Orientation	Compensatory Aspects
05.02.14	B	KLD	South/Southwest	Excellent sunlit orientation, large window with 35m view of landscaped courtyard. Opposing edge 2 storeys
05.02.15	C	KLD	South/Southwest	Excellent sunlit orientation, large window with 35m view of landscaped courtyard. Opposing edge 2 storeys.
05.02.25	B	KLD	West/Northwest	Evening light, large window with 24m view through landscaped courtyard. Opposing edge 3 storeys.
05.02.26	B	KLD	West/Northwest	Late afternoon sun, large window with 24m view through landscaped courtyard. Opposing edge 3 storeys.
05.02.27	B	KLD	West/Northwest	Late afternoon sun, large window with 24m view through landscaped courtyard. Opposing edge 3 storeys.
05.02.28	C	KLD	West/Northwest	Late afternoon sun, room 7% oversize, large window with 26m view of landscaped courtyard. Views across roof terrace opposite. Dual aspect

Second Floor Key Plan (NTS)

Key: 05.01.01 means Block 5, Floor 1, Apt 1. Colours: A green, B yellow, C orange, D blue. Classification notes are the professional opinion of D&W per D+W lighting report and based on the advice and guidance in BS EN 17037:2018 Daylight in Buildings.

B: 40-49% Pass Rate. As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

C: 20-39% Pass Rate. While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window. This is generally a kitchen counter with task lighting.

Block 5 - Compensatory aspects of apartments with below optimum daylighting

Third Floor Level				
UNIT No	Score	Room	Orientation	Compensatory Aspects
05.03.15	C	KLD	South/Southwest	Excellent sunlit orientation, large window with 35m view of landscaped courtyard. Apartment is a storey higher than opposing side.
05.03.26	B	KLD	West/Northwest	Late afternoon sun, large window with 24m view through landscaped courtyard. Opposing edge 3 storeys also.
05.03.28	C	KLD	West/Northwest	Late afternoon sun, room 7% oversize, large window with 26m view of landscaped courtyard. Opposing edge 3 storeys also. Dual aspect

Key: 05.01.01 means Block 5, Floor 1, Apt 1. Colours: A green, B yellow, C orange, D blue. Classification notes are the professional opinion of D&W per D+W lighting report and based on the advice and guidance in BS EN 17037:2018 Daylight in Buildings.

B: 40-49% Pass Rate. As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

C: 20-39% Pass Rate. While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window. This is generally a kitchen counter with task lighting.

Third Floor Key Plan (NTS)

Block 5 - Compensatory aspects of apartments with below optimum daylighting

Level 4				
UNIT No	Score	Room	Orientation	Compensatory Aspects
05.04.07	B	KLD	West/Northwest	Afternoon sun, long unopposed parkland view. Dual aspect, living area modestly oversized.
05.04.20	B	KLD	West/Northwest	Late afternoon sun, room 7% oversize, large window with 26m view of landscaped courtyard. Views across roof terrace opposite. Dual aspect

Key: 05.01.01 means Block 5, Floor 1, Apt 1. Colours: A green, B yellow, C orange, D blue. Classification notes are the professional opinion of D&W per D+W lighting report and based on the advice and guidance in BS EN 17037:2018 Daylight in Buildings.

B: 40-49% Pass Rate. As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

C: 20-39% Pass Rate. While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window. This is generally a kitchen counter with task lighting.

Fourth Floor Key Plan (NTS)

Block 6 - Compensatory aspects of apartments with below optimum daylighting

Ground Floor Level				
UNIT No	Score	Room	Orientation	Comment
06.00.07	B	KLD	West/Northwest	Overlooking landscaped buffer zone to Park Street. High floor to ceiling of 3.1m.
06.00.19	B	KLD	Southwest	Excellent sunlit orientation, oblique view towards Belltree Park. High floor to ceiling of 3.1m.
06.00.21	C	KLD	Southwest	Oversized balcony, Excellent sunlit orientation. Oblique view towards Belltree Park. High floor to ceiling of 3.1m.

Key: 06.01.01 means Block 6, Floor 1, Apt 1. Colours: A green, B yellow, C orange, D blue. Classification notes are the professional opinion of D&W per D+W lighting report and based on the advice and guidance in BS EN 17037:2018 Daylight in Buildings.

B: 40-49% Pass Rate. As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

C: 20-39% Pass Rate. While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window. This is generally a kitchen counter with task lighting.

Ground Floor Key Plan (NTS)

First Floor Level				
UNIT No	Score	Room	Orientation	Compensatory Aspects
06.01.01	B	Bed1	Southeast	Oblique view towards landscape courtyard. Room 9% oversize.
06.01.01	C	Bed2	Southeast	Oblique view towards landscape courtyard. Room 33% oversize.
06.01.01	C	KLD	Southeast	Oblique view towards landscape courtyard. Design was modified to improve daylighting to KLD after LRD consultation. Overall apartment area 13% oversize.
06.01.02	C	Bed1	Southeast	Dual aspect corner apartment with oblique view towards Belltree Park. Room 20% oversize. Overall apartment area 17% oversize.
06.01.10	C	KLD	Southeast/Southwest	Dual aspect, long view through landscaped courtyard towards Grant Park.
06.01.11	C	KLD	East/Southeast	Long view through landscaped courtyard and gap between blocks of core B&C. Terrace gets east and south-east light.
06.01.20	C	KLD	Southeast/South	Dual aspect, excellent sunlit corner terrace overlooking landscaped courtyard.
06.01.24	C	Bed1	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.01.24	C	KLD	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.01.25	C	Bed1	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.01.25	C	KLD	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.01.26	B	KLD	South/Southwest	Excellent sunlit orientation with long view(65m) through landscaped courtyard.
06.01.32	B	Bed2	West/Northwest	Oversized terrace, dual aspect apartment, evening light, 45m view across landscaped courtyard. Overall apartment area 23% oversize.
06.01.33	B	KLD	West/Northwest	Evening light, long view to landscaped courtyard. Opposing edge more than 40m away.
06.01.34	C	KLD	West/Northwest	Evening light, long view to landscaped courtyard. Opposing edge more than 40m away.
06.01.39	B	KLD	East/Southeast	Morning light, overlooking landscaped buffer zone to Lake Street.
06.01.45	B	KLD	Southwest	South aspect, Oblique view towards Belltree Park.
06.01.46	B	KLD	Southwest	South aspect, Overlooking landscaped buffer zone to Dargan Street.
06.01.47	C	KLD	Southwest/ Northeast	South aspect, Oversized balcony, dual aspect with long view towards landscaped courtyard.
06.01.48	C	KLD	Northeast/Northwest	Dual aspect, long view (54m) towards landscaped courtyard and through gap between blocks of core A&B. Overall apartment area 16% oversize.

Key: 06.01.01 means Block 6, Floor 1, Apt 1. Colours: A green, B yellow, C orange, D blue. Classification notes are the professional opinion of D&W per D+W lighting report and based on the advice and guidance in BS EN 17037:2018 Daylight in Buildings.

B: 40-49% Pass Rate. As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

C: 20-39% Pass Rate. While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window. This is generally a kitchen counter with task lighting.

Block 6 - Compensatory aspects of apartments with below optimum daylighting

First Floor Key Plan (NTS)

Block 6 - Compensatory aspects of apartments with below optimum daylighting

Second Floor Level				
UNIT No	Score	Room	Orientation	Compensatory Aspects
06.02.01	B	Bed1	Southeast	Oblique view towards landscape courtyard. Room 9% oversize.
06.02.01	C	Bed2	Southeast	Oblique view towards landscape courtyard. Room 33% oversize.
06.02.01	C	KLD	Southeast	Oblique view towards landscape courtyard. Design was modified to improve daylighting to KLD after LRD consultation. Overall apartment area 13% oversize.
06.02.02	C	Bed1	Southeast	Dual aspect corner apartment with oblique view towards Belltree Park. Room 20% oversize. Overall apartment area 17% oversize.
06.02.10	C	KLD	Southeast/Southwest	Dual aspect, long view through landscaped courtyard towards Grant Park.
06.02.11	C	KLD	East/Southeast	Long view through landscaped courtyard and gap between blocks of core B&C. Balcony gets east and south-east light.
06.02.20	C	KLD	Southeast/South	Dual aspect, excellent sunlit corner balcony overlooking landscaped courtyard.
06.02.24	C	Bed1	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.02.24	C	KLD	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.02.25	C	Bed	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.02.25	C	KLD	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.02.34	B	KLD	West/Northwest	Evening light, long view to landscaped courtyard. Opposing edge more than 40m away.
06.02.39	B	KLD	East/Southeast	Morning light, overlooking landscaped buffer zone to Lake Street.
06.02.45	B	KLD	Southwest	South aspect, Oblique view towards Belltree Park.
06.02.46	B	KLD	Southwest	South aspect, Overlooking landscaped buffer zone to Dargan Street.
06.02.47	C	KLD	Southwest/ Northeast	South aspect, Oversized balcony, dual aspect with long view towards landscaped courtyard.
06.02.48	B	KLD	Northeast/Northwest	Dual aspect, long view (54m) towards landscaped courtyard and through gap between blocks of core A&B. Overall apartment area 16% oversize.

Second Floor Key Plan (NTS)

Key: 06.01.01 means Block 6, Floor 1, Apt 1. Colours: A green, B yellow, C orange, D blue. Classification notes are the professional opinion of D&W per D+W lighting report and based on the advice and guidance in BS EN 17037:2018 Daylight in Buildings.

B: 40-49% Pass Rate. As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

C: 20-39% Pass Rate. While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window. This is generally a kitchen counter with task lighting.

Block 6 - Compensatory aspects of apartments with below optimum daylighting

Third Floor Level				
UNIT No	Score	Room	Orientation	Compensatory Aspects
06.03.01	C	Bed1	Southeast	Oblique view towards landscape courtyard. Room 9% oversize.
06.03.01	C	Bed2	Southeast	Oblique view towards landscape courtyard. Room 33% oversize.
06.03.01	C	KLD	Southeast	Oblique view towards landscape courtyard. Design was modified to improve daylighting to KLD after LRD consultation. Overall apartment area 13% oversize.
06.03.02	C	Bed1	Southeast	Dual aspect corner apartment with oblique view towards Belltree Park. Room 20% oversize. Overall apartment area 17% oversize.
06.03.10	C	KLD	Southeast/Southwest	Dual aspect, long view through landscaped courtyard towards Grant Park.
06.03.11	C	KLD	East/Southeast	Long view through landscaped courtyard and gap between blocks of core B&C. Balcony gets east and south-east light.
06.03.39	C	KLD	East/Southeast	Morning light, overlooking landscaped buffer zone to Lake Street.
06.03.24	C	Bed1	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.03.24	C	KLD	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.03.25	C	Bed1	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.03.25	C	KLD	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.03.34	B	KLD	West/Northwest	Evening light, long view to landscaped courtyard. Opposing edge more than 40m away.
06.03.45	B	KLD	Southwest	South aspect, Oblique view towards Belltree Park.
06.03.47	B	KLD	Southwest/ Northeast	South aspect, Oversized balcony, dual aspect with long view towards landscaped courtyard.

Third Floor Key Plan (NTS)

Key: 06.01.01 means Block 6, Floor 1, Apt 1. Colours: A green, B yellow, C orange, D blue. Classification notes are the professional opinion of D&W per D+W lighting report and based on the advice and guidance in BS EN 17037:2018 Daylight in Buildings.

B: 40-49% Pass Rate. As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

C: 20-39% Pass Rate. While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window. This is generally a kitchen counter with task lighting.

Block 6 - Compensatory aspects of apartments with below optimum daylighting

Fourth Floor Level				
UNIT No	Score	Room	Orientation	Compensatory Aspects
06.04.01	B	Bed2	Southeast	Oblique view towards landscape courtyard. Room 33% oversize.
06.04.01	C	KLD	Southeast	Oblique view towards landscape courtyard. Design was modified to improve daylighting to KLD after LRD consultation. Overall apartment area 13% oversize.
06.04.02	B	Bed1	Southeast	Dual aspect corner apartment with oblique view towards Belltree Park. Room 20% oversize. Overall apartment area 17% oversize.
06.04.10	C	KLD	Southeast/Southwest	Dual aspect, long view through landscaped courtyard towards Grant Park.
06.04.21	C	Bed1	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.04.21	C	KLD	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.04.22	B	Bed1	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.04.22	C	KLD	South/Southwest	Evening light, oblique view to landscaped courtyard.
06.04.32	B	KLD	West/Northwest	Evening light, long view to landscaped courtyard. Opposing edge more than 40m away.
06.04.37	C	KLD	East/Southeast	Morning light, overlooking landscaped buffer zone to Lake Street.

Key: 06.01.01 means Block 6, Floor 1, Apt 1. Colours: A green, B yellow, C orange, D blue. Classification notes are the professional opinion of D&W per D+W lighting report and based on the advice and guidance in BS EN 17037:2018 Daylight in Buildings.

B: 40-49% Pass Rate. As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

C: 20-39% Pass Rate. While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window. This is generally a kitchen counter with task lighting.

Fourth Floor Key Plan (NTS)

Block 6 - Compensatory aspects of apartments with below optimum daylighting

Fifth Floor Level				
UNIT No	Score	Room	Orientation	Compensatory Aspects
06.05.01	C	KLD	Southeast	Oblique view towards landscape courtyard. Design was modified to improve daylighting to KLD after LRD consultation. Overall apartment area 13% oversize. Top floor apartment giving views to south.
06.05.05	B	KLD	Southeast/Northeast	Dual aspect corner apartment, long view through landscaped courtyard towards Grant Park and through gap between blocks of core A&B. Top floor apartment giving views.
06.05.19	B	KLD	West/Northwest	Evening light, long view to landscaped courtyard. Opposing edge more than 40m away. Top floor apartment giving views to north west towards Mayne River Linear Park.
06.05.24	C	KLD	East/Southeast	Morning light, overlooking landscaped buffer zone to Lake Street. Top floor apartment giving views to Grant Park.
06.05.30	B	KLD	Southwest	Oblique view towards Belltree Park. Top floor apartment giving views towards Fr. Collins Park.

Key: 06.01.01 means Block 6, Floor 1, Apt 1. Colours: A green, B yellow, C orange, D blue. Classification notes are the professional opinion of D&W per D+W lighting report and based on the advice and guidance in BS EN 17037:2018 Daylight in Buildings.

B: 40-49% Pass Rate. As the levels of natural light predicted for this room are only marginally below the minimum levels recommended in the National Annex to BS EN 17037 it is safe to assume that reasonable levels of daylight would still be achieved.

C: 20-39% Pass Rate. While the levels of natural light predicted for this room are below the minimum levels recommended in the National Annex to BS EN 17037, reasonable levels of daylight will still be achieved locally within the task area of the room. Artificial lighting will play a role to the areas of these rooms furthest from the window. This is generally a kitchen counter with task lighting.

Fifth Floor Key Plan (NTS)

Appendix D: Annual Probable Sunlight Hours

Appendix D: Annual Probable Sunlight Hours

To assess the Annual Probable Sunlight Hours expected on a window, it is suggested that all main living rooms of dwellings, and conservatories, should be checked if they have a window facing within 90° of due south. Kitchens and bedrooms are less important, although care should be taken not to block too much sun. Normally loss of sunlight need not be analysed to kitchens and bedrooms, except for bedrooms that also comprise a living space, for example a bed sitting room in an old people's home. In non-domestic buildings any spaces that are deemed to have a special requirement for sunlight should be checked; they will normally face within 90° of due south anyway.

If a room can receive more than one quarter of annual probable sunlight hours (APSH), including at least 5% of APSH in the winter months between 21 September and 21 March, then it should still receive enough sunlight.

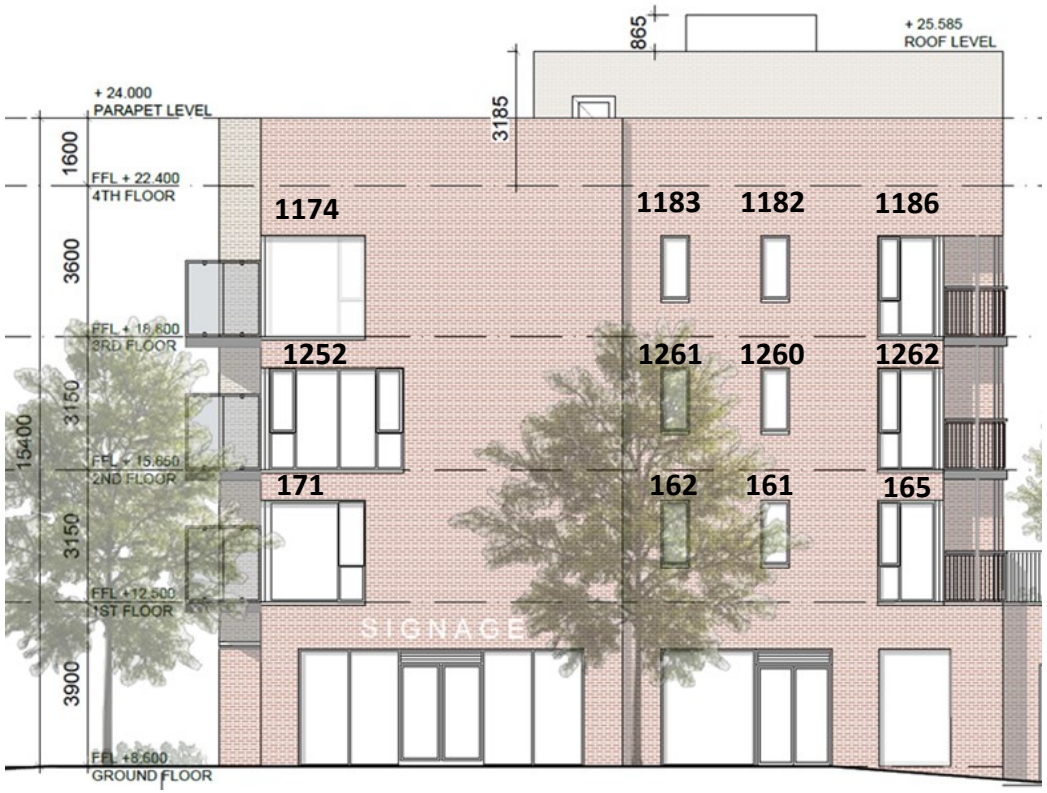
It is not always necessary to do a full calculation to check sunlight potential. The guideline above is met provided either of the following is true:

- If the distance of each part of the new development from the existing window is three or more times its height above the centre of the existing window
- The window wall faces within 90° of due south and no obstruction, measured in the section perpendicular to the window wall, subtends an angle of more than 25° to the horizontal (Figure 14 in section 2.2). Again, obstructions within 90° of due north of the existing window need not be counted.
- The window wall faces within 20° of due south and the reference point has a VSC (section 2.1) of 27% or more.

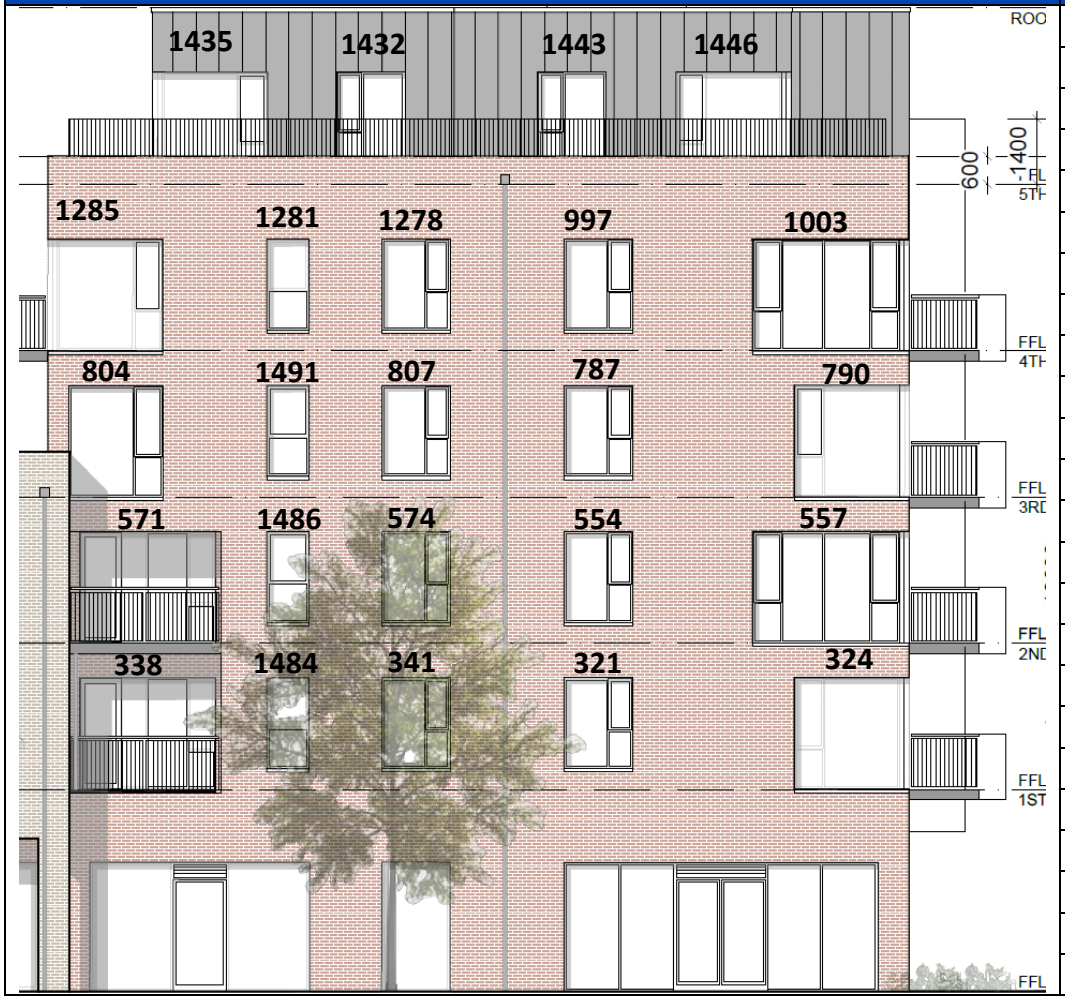
The assessment below includes windows which do not meet all of the above criteria, therefore windows which are North-West, North-East or South-East facing with no obstructions have been excluded as per the BRE guidance above. It should be noted that APSH is not a detailed measurement of daylight quality and should be used in conjunction the Spatial Daylight Autonomy Results in the main report.

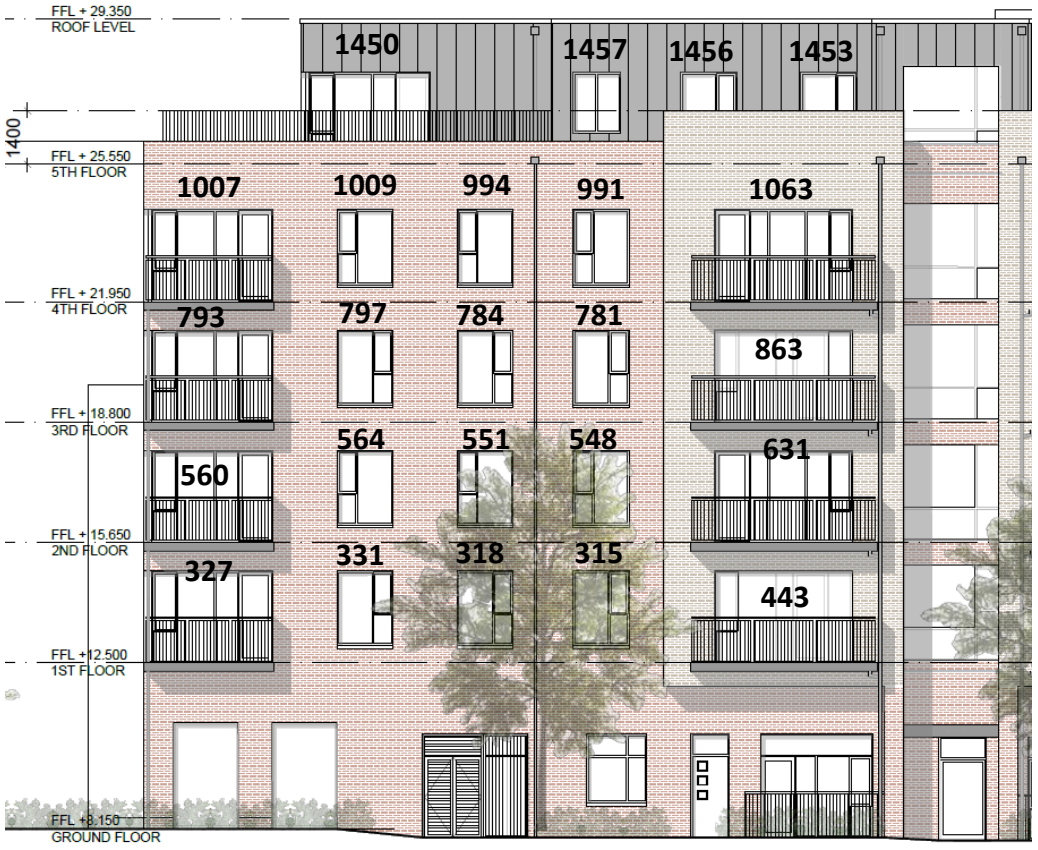
It must be noted that the results within this report should be treated with certain degree of flexibility, based on the following statement in the BRE Guidelines:

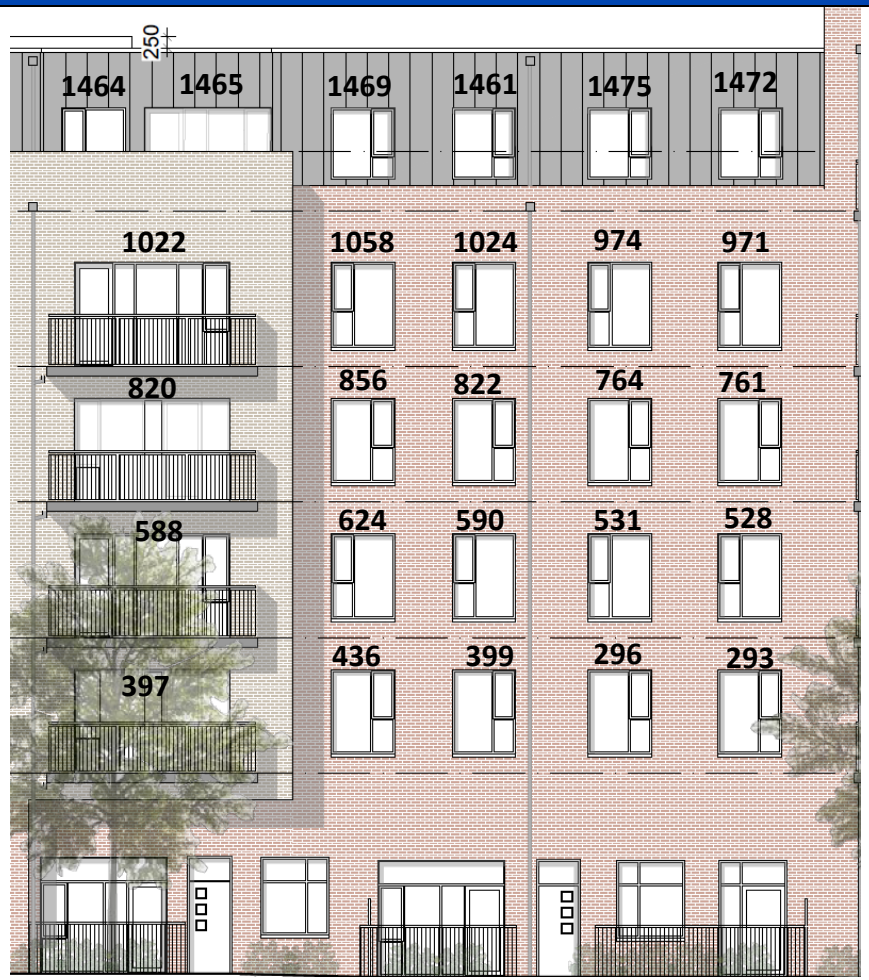
"the guide is intended for building designers and their clients, consultants and planning officials. The advice given here is not mandatory and the guide should not be seen as an instrument of planning policy; its aim is to help rather constrain the designer. Although it gives numerical guidelines, these should be interpreted flexibly since natural lighting is only one of many factors in site layout design". In addition, BRE states that "the degree of satisfaction is related to the expectation of sunlight. If a room is necessarily north facing or if the building is in a densely-built urban area, the absence of sunlight is more acceptable than when its exclusion seems arbitrary.

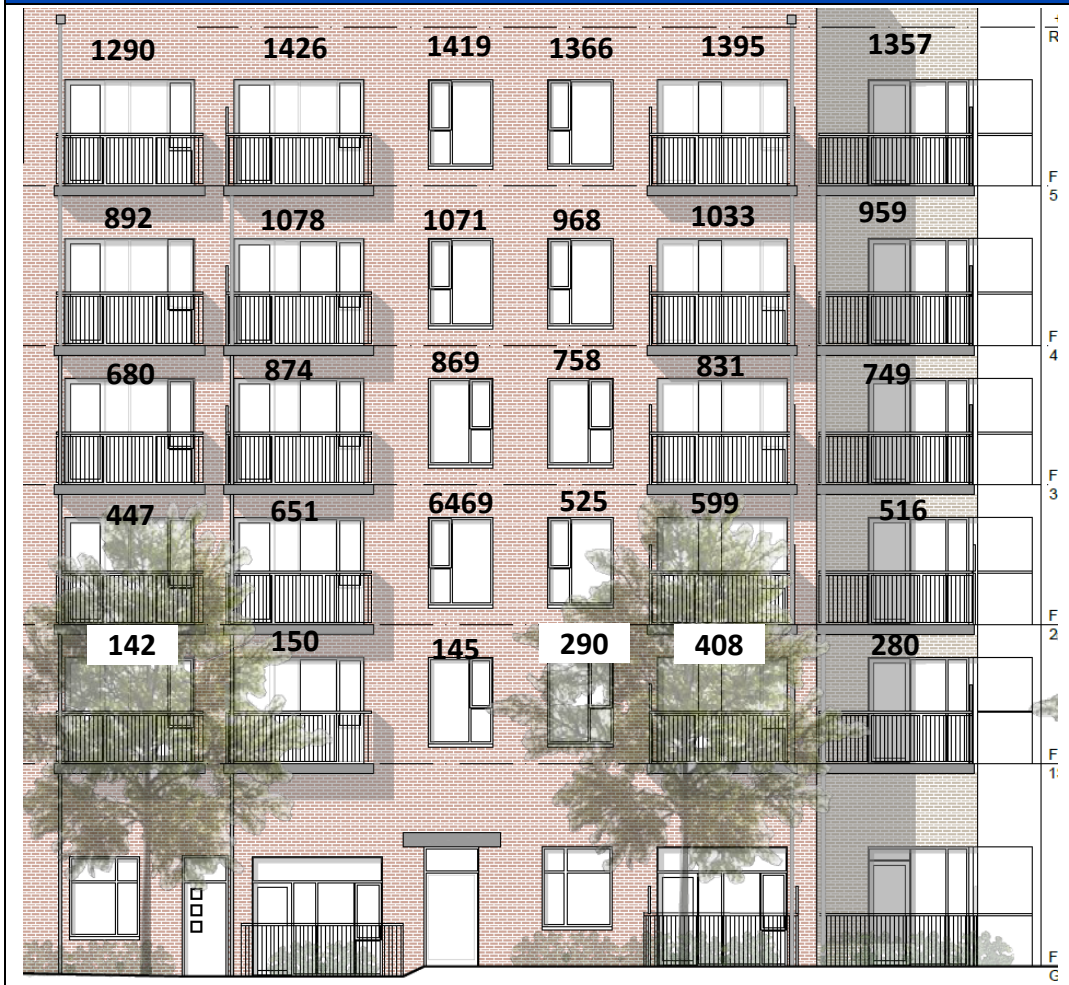
Block 5: South Elevation to Market Street	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	1174	38.41	16.08	Yes / Yes
	1183	0.00	0.00	No / No
	1182	0.00	0.00	No / No
	1186	38.33	15.95	Yes / Yes
	1252	38.38	16.08	Yes / Yes
	1261	0.00	0.00	No / No
	1260	0.00	0.00	No / No
	1262	38.33	15.95	Yes / Yes
	171	34.87	13.96	Yes / Yes
	162	0.00	0.00	No / No
	161	0.00	0.00	No / No
	165	38.42	16.04	Yes / Yes

Block 5: South Elevation to Market Street	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	577	0.00	0.00	No / No
	666	37.53	15.85	Yes / Yes
	657	37.69	16.01	Yes / Yes
	677	0.00	0.00	No / No
	352	0.00	0.00	No / No
	358	16.17	11.77	No / Yes
	350	17.30	11.23	No / Yes
	351	0.00	0.00	No / No

Block 5: South Elevation to Market Street	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	1435	35.16	13.48	Yes / Yes
	1432	29.96	8.88	Yes / Yes
	1443	37.76	16.08	Yes / Yes
	1446	37.76	37.76	Yes / Yes
	1285	37.76	16.08	Yes / Yes
	1281	0.00	0.00	No / No
	1278	37.76	16.08	Yes / Yes
	997	37.76	16.08	Yes / Yes
	1003	37.41	15.73	Yes / Yes
	804	19.85	10.07	No / Yes
	1491	0.00	0.00	No / No
	807	37.76	16.08	Yes / Yes
	787	37.76	16.08	Yes / Yes
	790	37.76	16.08	Yes / Yes
	571	16.99	10.015	No / Yes
	1486	0.00	0.00	No / No
	574	37.76	16.08	Yes / Yes
	554	37.76	16.08	Yes / Yes
	557	37.76	16.08	Yes / Yes
	338	15.30	10.15	No / Yes
	1484	0.00	0.00	No / No
	341	37.76	16.08	Yes / Yes
	321	37.76	16.08	Yes / Yes
	324	37.76	16.08	Yes / Yes

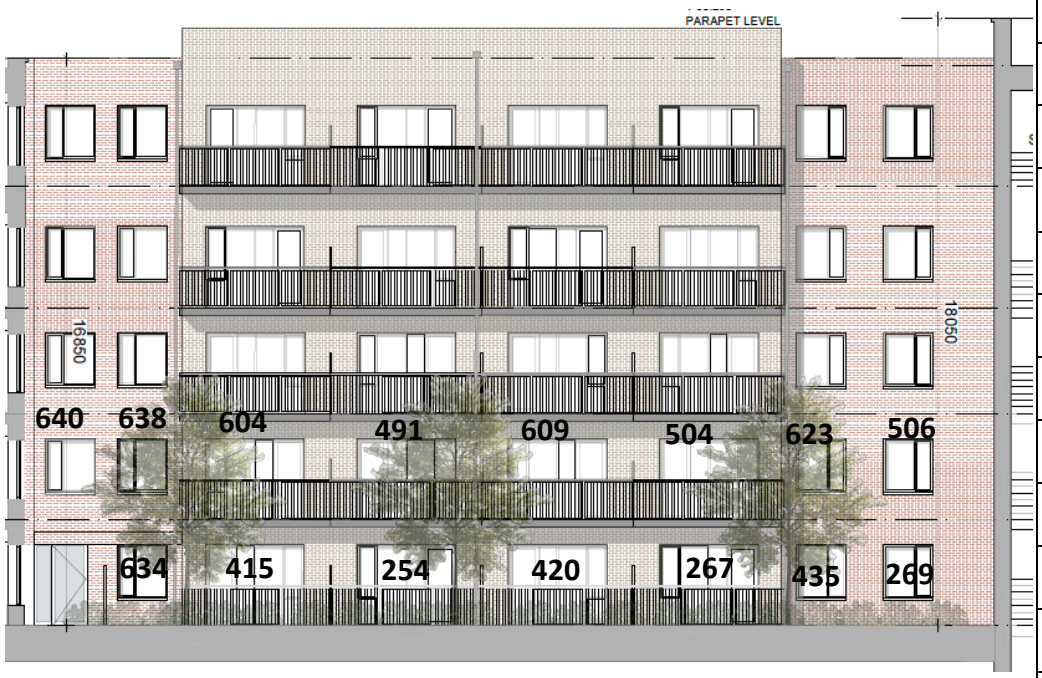
Block 5: East Elevation	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	1450	27.97	12.59	Yes / Yes
	1457	0.00	0.00	No / No
	1456	27.27	12.59	Yes / Yes
	1453	27.27	12.59	Yes / Yes
	1007	27.27	15.59	Yes / Yes
	1009	26.57	12.59	Yes / Yes
	994	27.27	12.59	Yes / Yes
	991	27.08	12.59	Yes / Yes
	1063	27.27	12.59	Yes / Yes
	793	25.55	12.59	Yes / Yes
	797	25.16	10.55	Yes / Yes
	784	26.55	11.87	Yes / Yes
	781	26.68	12.59	Yes / Yes
	863	22.59	12.42	No / Yes
	560	25.54	12.59	Yes / Yes
	564	25.58	10.55	Yes / Yes
	551	25.78	11.79	Yes / Yes
	548	25.97	12.08	Yes / Yes
	631	22.70	12.44	No / Yes
	327	25.71	12.59	Yes / Yes
	331	25.54	10.55	Yes / Yes
	318	25.78	11.79	Yes / Yes
	315	25.49	12.08	Yes / Yes
	443	22.61	12.44	No / Yes

Block 5: East Elevation	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	1464	27.15	9.69	Yes / Yes
	1465	27.40	12.23	Yes / Yes
	1469	27.27	12.57	Yes / Yes
	1461	27.27	12.59	Yes / Yes
	1475	27.27	12.59	Yes / Yes
	1472	27.27	12.59	Yes / Yes
	1022	27.27	12.59	Yes / Yes
	1058	23.30	9.44	No / Yes
	1024	26.67	11.98	Yes / Yes
	974	27.27	12.59	Yes / Yes
	971	27. 27	12.59	Yes / Yes
	820	22.68	11.49	No / Yes
	856	19.27	7.98	No / Yes
	822	25.19	10.50	Yes / Yes
	764	26.13	11.66	Yes / Yes
	761	27.27	15.59	Yes / Yes
	588	22.15	11.61	No / Yes
	624	18.71	7.98	No / Yes
	590	25.85	10.33	Yes / Yes
	531	25.13	11.15	Yes / Yes
	528	26.37	11.69	Yes / Yes
	397	23.10	11.96	No / Yes
	436	18.71	7.98	No / Yes
	399	22.76	10.53	No / Yes
	296	25.13	11.15	Yes / Yes
	293	25.83	11.64	Yes / Yes

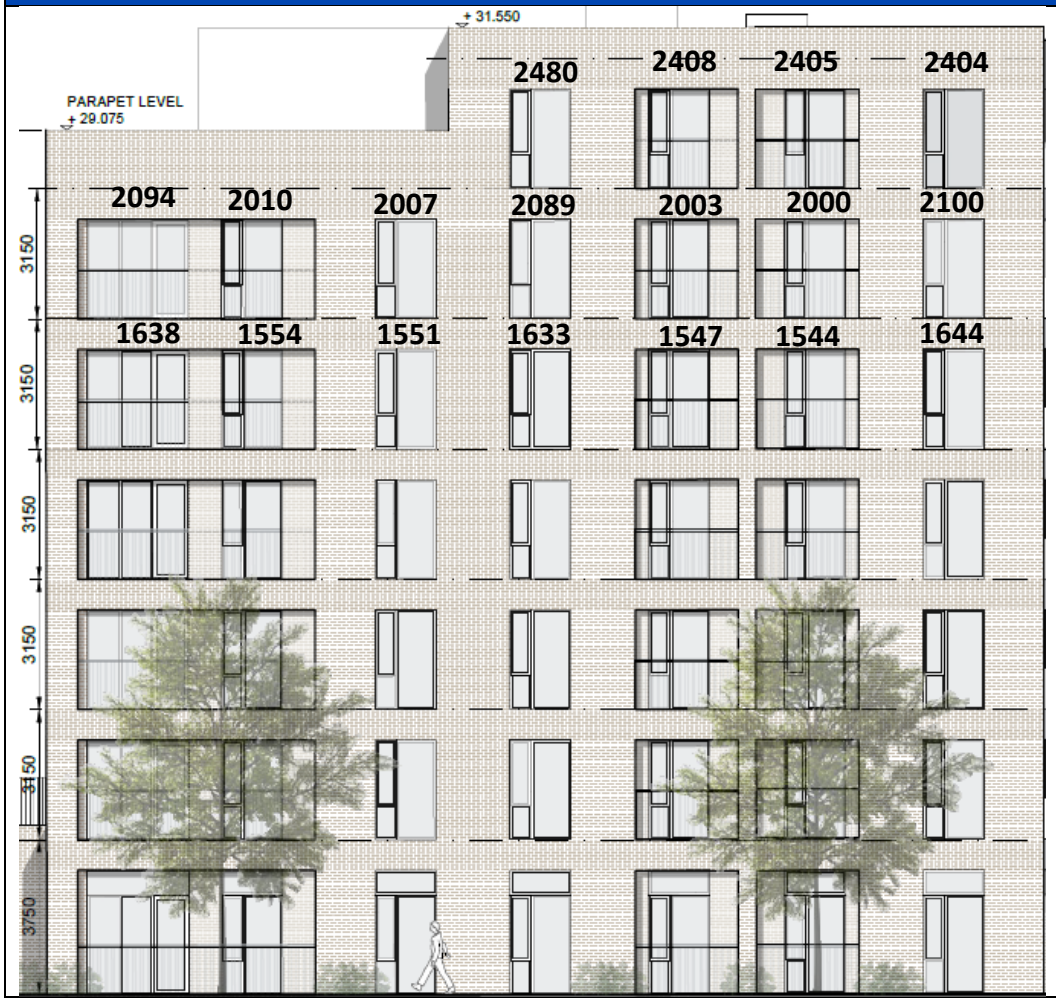
Block 5: East Elevation	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	1290	27.27	12.59	Yes / Yes
	1426	27.27	12.59	Yes / Yes
	1419	27.27	12.59	Yes / Yes
	1366	27.25	12.59	Yes / Yes
	1395	27.27	12.59	Yes / Yes
	1357	14.06	2.63	No / No
	892	18.86	11.37	No / Yes
	1078	18.17	10.43	No / Yes
	1071	24.89	10.87	No / Yes
	968	26.32	11.64	Yes / Yes
	1033	22.30	12.40	No / Yes
	959	6.89	1.62	No / No
	680	22.14	12.46	No / Yes
	874	18.72	10.63	No / Yes
	869	23.45	10.87	No / Yes
	758	25.36	11.38	Yes / Yes
	831	22.30	12.40	No / Yes
	749	6.78	2.42	No / No
	447	21.58	11.90	No / Yes
	651	18.72	10.63	No / Yes
	646	23.43	10.87	No / Yes
	525	25.11	11.38	Yes / Yes
	599	21.60	11.70	No / Yes
	516	6.78	1.61	No / No
	142	21.49	11.81	No / Yes
	150	18.11	10.46	No / Yes
	145	23.43	10.87	No / Yes
	290	25.12	11.38	Yes / Yes
	408	21.59	11.70	No / Yes
	280	6.78	1.61	No / No

Block 5: Section Elevation through Podium East Facing	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	1179	25.83	11.85	Yes / Yes
	1187	24.99	11.19	No / Yes
	1128	24. 65	10.82	No / Yes
	1131	23.87	10.02	No / Yes
	1136	23.05	9.39	No / Yes
	1124	22.22	8.97	No / Yes
	1259	17.89	10.54	No / Yes
	1267	22.87	9.99	No / Yes
	1208	22.71	9.50	No / Yes
	1211	22.01	9.15	No / Yes
	1216	12.35	7.59	No / Yes
	1204	11.21	6.22	No / Yes
	158	17.89	10.54	No / Yes
	153	19.11	7.57	No / Yes
	369	17.89	6.29	No / Yes
	366	17.23	5.70	No / Yes
	362	7.65	3.89	No / No
	374	9.13	4.83	No / No

Block 5: Section Elevation through Podium East Facing	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	1418	30.30	14.57	Yes / Yes
	1416	32.17	12.73	Yes / Yes
	1400	37.22	15.73	Yes / Yes
	1332	37.78	15.53	Yes / Yes
	1405	37.86	15.48	Yes / Yes
	1343	36. 99	14.61	Yes / Yes
	1414	33.27	13.67	Yes / Yes
	1347	31.07	9.42	Yes / Yes
	1070	23.03	11.99	No / Yes
	1068	22.35	9.86	No / Yes
	1038	20.59	12.44	No / Yes
	934	19.38	11.47	No / Yes
	1043	17.70	9.79	No / Yes
	945	16.12	7.65	No / Yes
	1057	21.36	6. 09	No / Yes
	949	18.70	2.85	No / Yes
	868	19.64	10.01	No / Yes
	866	19.53	8.47	No / Yes
	836	17.12	9.01	No / Yes
	724	16.38	8.46	No / Yes
	843	14.90	6.98	No / Yes
	737	14.09	5.28	No / Yes
	855	15.86	4.14	No / No
	739	14.79	5.28	No / Yes

Block 5: Section Elevation through Podium East Facing	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	640	16.07	7.40	No / Yes
	638	14.66	5.70	No / Yes
	604	12.86	6.76	No / Yes
	491	13.52	6.44	No / Yes
	609	13.08	5.88	No / Yes
	504	11.83	4.61	No / No
	623	12.22	4.14	No / No
	506	13.18	2.37	No / No
	634	13.15	4.98	No / No
	415	10.18	5.40	No / Yes
	254	10.55	5.26	No / Yes
	420	11.18	5.04	No / Yes
	267	9.39	3.68	No / No
	435	11.12	4.14	No / No
	269	11.96	2.30	No / No

Block 6: South Facing	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	2141	37.59	15.84	Yes / Yes
	2134	37.00	15.47	Yes / Yes
	2146	31.50	15.97	Yes / Yes
	2154	36.64	15.73	Yes / Yes
	1708	38.31	16.08	Yes / Yes
	1701	36.38	15.66	Yes / Yes
	1721	30.85	15.65	Yes / Yes
	1726	36.12	14.76	Yes / Yes
	3300	37.69	15.41	Yes / Yes
	3293	35.13	14.58	Yes / Yes
	3313	29.68	14.38	Yes / Yes
	3317	34.01	13.25	Yes / Yes
	2933	33.78	11.74	Yes / Yes
	2926	33.18	11.86	Yes / Yes
	2946	27.88	12.15	Yes / Yes
	2951	31.79	10.90	Yes / Yes
	809	31.83	9.56	Yes / Yes
	802	31.41	9.53	Yes / Yes
	822	25.86	9.28	Yes / Yes
	827	30.34	9.27	Yes / Yes
	717	30.78	8.68	Yes / Yes
	714	31.25	8.87	Yes / Yes
	704	24.15	7.89	Yes / Yes
	711	28.88	7.20	Yes / Yes

Block 6: South Facing	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	2480	36.84	14.95	Yes / Yes
	2408	25.39	12.23	Yes / Yes
	2405	20. 74	7.03	No / Yes
	2404	28.59	9.97	Yes / Yes
	2094	33.99	14.56	Yes / Yes
	2010	25.64	9.20	Yes / Yes
	2007	35.83	14.13	Yes / Yes
	2089	35.83	14.07	Yes / Yes
	2003	14.80	10.96	No / Yes
	2000	12.70	7.02	No / Yes
	2100	28.50	9.96	Yes / Yes
	1638	19.36	12.09	No / Yes
	1554	15.06	8.67	No / Yes
	1551	34.91	13.77	Yes / Yes
	1633	35.08	13.97	Yes / Yes
	1547	15.08	11.01	No / Yes
	1544	15.06	8.67	No / Yes
	1644	27.75	9.84	Yes / Yes

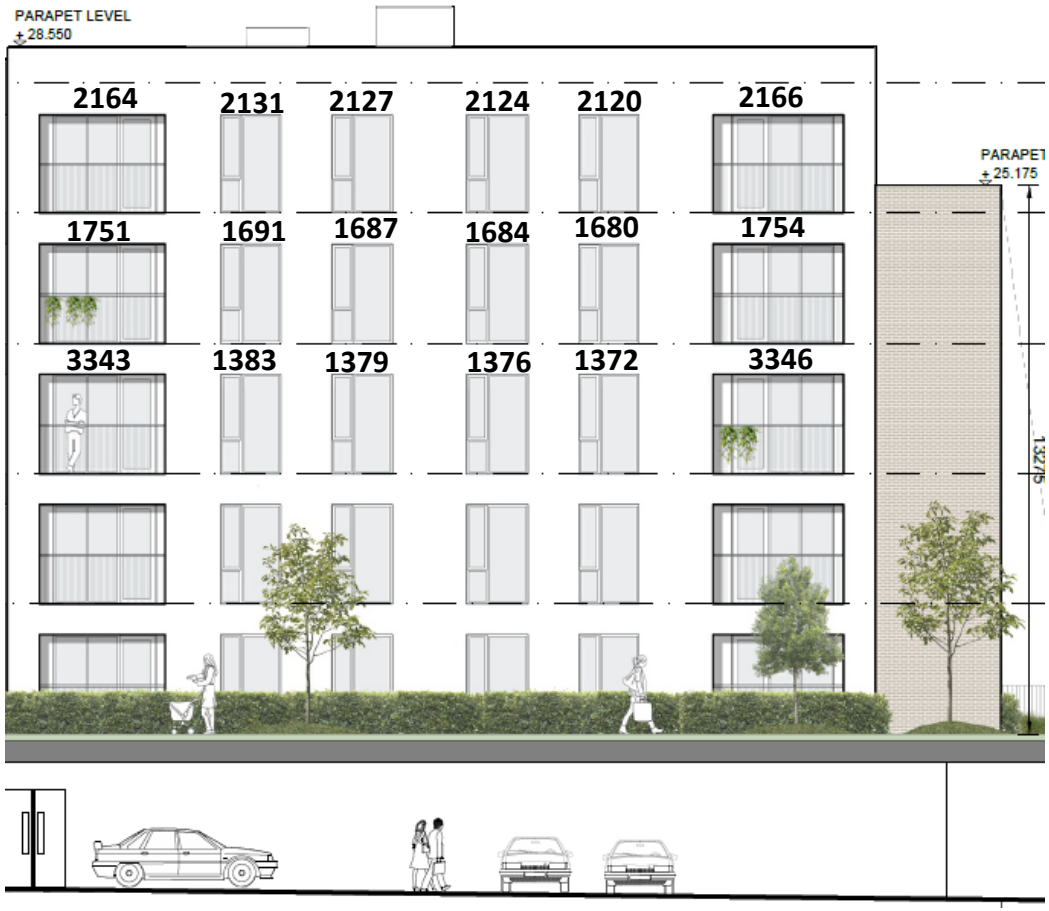
Block 6: South Facing	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	3277	32.96	12.28	Yes / Yes
	1322	13.16	7.01	No / Yes
	1319	32.90	12.09	Yes / Yes
	3272	32.96	12.28	Yes / No
	1315	12.71	9.20	No / Yes
	1312	10.99	5.19	No / Yes
	3283	26.15	8.23	Yes / Yes
	2910	16.42	9.74	No / Yes
	1061	11.95	5.62	No / Yes
	1058	29.92	10.72	Yes / Yes
	2905	30.87	10.50	Yes / Yes
	1054	12.02	8.13	No / Yes
	1051	9.83	3.82	No / Yes
	2916	23.38	5.63	Yes / Yes
	645	15.03	8.51	No / Yes
	563	9.72	3.65	No / No
	560	25.84	7.85	Yes / Yes
	640	27.49	8.23	Yes / Yes
	556	9.63	5.90	No / No
	553	7.93	1.91	No / No
	651	21.81	4.23	No / No
	523	17.22	6.34	No / Yes
	513	10.92	2.00	No / No
	508	23.59	4.24	No / No
	527	23.77	4.41	No / No
	504	11.56	3.79	No / No
	500	10.52	0.73	No / No
	517	19.20	1.90	No / No

Block 6: South Facing	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	2467	36.47	15.30	Yes / Yes
	2402	26.16	12.80	Yes / Yes
	2399	21.16	7.40	No / Yes
	2461	37.88	15.82	Yes / Yes
	2395	37.83	15.65	Yes / Yes
	2392	31.25	15.77	Yes / Yes
	2447	37.13	15.82	Yes / Yes
	2076	37.76	15. 78	Yes / Yes
	1997	15.85	12.12	No / Yes
	1994	12.95	7.13	No / Yes
	2070	37. 93	15.75	Yes / Yes
	1990	37.94	15.56	Yes / Yes
	1987	19.70	14.58	No / Yes
	2049	28.92	15.85	Yes / Yes
	1620	37.27	15.31	Yes / Yes
	1541	16.09	12.17	No / Yes
	1538	13.37	7.36	No / Yes
	1614	37.74	15.36	Yes / Yes
	1534	37.98	15.60	Yes / Yes
	1531	19.20	14.07	No / Yes
	1593	28.35	15.34	Yes / Yes
	3259	34.85	12.79	Yes / Yes
	1309	13.82	10.00	No / Yes
	1306	11.88	5.87	No / Yes
	3253	35.07	13.01	Yes / Yes
	1302	35.18	13.39	Yes / Yes
	1299	17.08	11.96	No / Yes
	3232	26.95	13.85	Yes / Yes

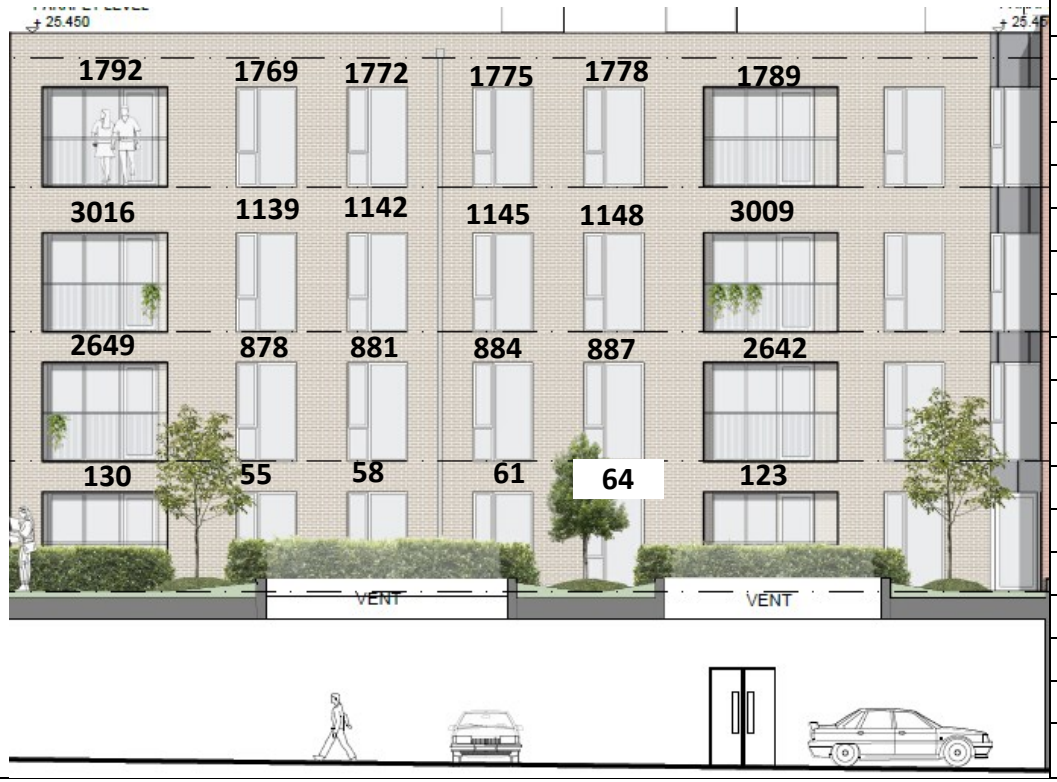
Block 6: South Facing	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	2892	32.31	10.43	Yes / Yes
	1048	12.42	8.51	No / Yes
	1045	10.00	3.99	No / No
	2886	33.23	11.96	Yes / Yes
	1041	34.52	12.29	Yes / Yes
	1038	17.13	12.00	No / Yes
	2865	26.35	13.26	Yes / Yes
	627	30.62	8.89	Yes / Yes
	550	11.07	7.14	No / Yes
	547	9.30	3.28	No / No
	621	32.59	10.28	Yes / Yes
	543	34.36	12.14	Yes / Yes
	540	16.39	11.26	No / Yes
	602	25.57	12.47	Yes / Yes

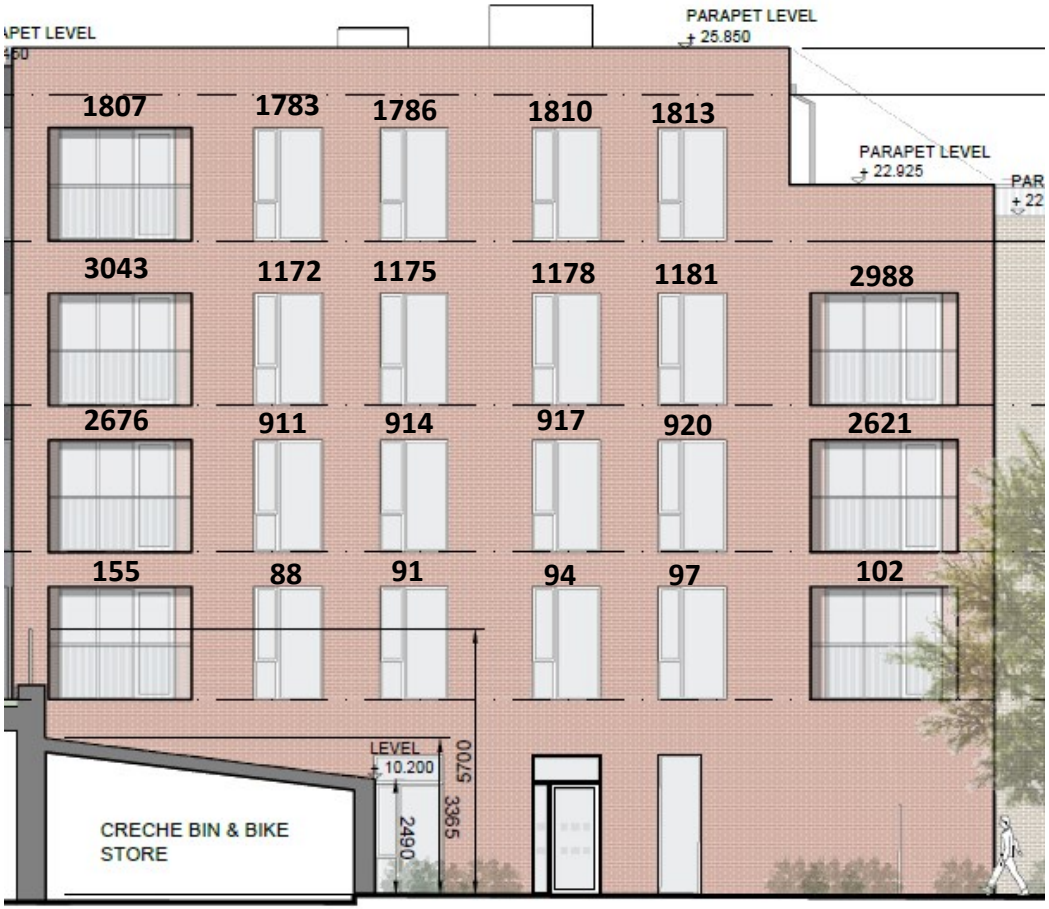
Block 6: Core E East Elevation	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	2155	24.23	11.39	No / Yes
	2110	21.54	10.39	No / Yes
	2106	19.96	9.36	No / Yes
	2107	19.95	9.36	No / Yes
	2108	19.95	9.36	No / Yes
	3361	5.78	2.50	No / No
	1766	12.35	2.03	No / No
	1730	20.70	11.19	No / Yes
	1651	19.88	10.50	No / Yes
	1647	17.18	8.95	No / Yes
	1648	17.15	8.80	No / Yes
	1649	17.15	8.80	No / Yes
	3360	5.68	2.14	No / No
	1765	12.35	2.03	No / No
	3322	18.91	9.93	No / Yes
	1343	18.07	9.19	No / Yes
	1339	15.82	8.13	No / Yes
	1340	15.81	8.08	No / Yes
	1341	15.81	8.09	No / Yes
	3359	3.87	1.98	No / No

Block 6: Core E East Elevation	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	1389	8.78	1.63	No / No
	2955	17.77	9.04	No / No
	1082	17.86	9. 75	No / No
	1078	15.63	8.40	No / No
	1079	15.55	8.39	No / No
	1080	15.12	8.02	No / No
	3358	2.93	2.14	No / No
	1128	5.45	1.66	No / No
	831	16.01	7.25	No / Yes
	752	16.66	8.55	No / Yes
	748	14.15	7.61	No / Yes
	749	14.11	7.25	No / Yes
	750	14.11	7.25	No / Yes
	3357	1.95	1.51	No / No
	3354	4.34	1.29	No / No
	701	14.93	5.38	No / Yes
	659	14.32	6.25	No / Yes
	655	12.85	6.13	No / Yes

Block 6: Core E East Elevation	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	2164	14.67	3.49	No / No
	2131	16.14	2.63	No / No
	2127	17.81	4.10	No / No
	2124	20.90	7.04	No / Yes
	2120	21.97	7.98	No / Yes
	2166	15.20	5.20	No / Yes
	1751	8.86	2.01	No / No
	1691	13.34	1.51	No / No
	1687	15.58	2.58	No / No
	1684	17.38	3.40	No / No
	1680	18.29	4.44	No / No
	1754	6.88	2.12	No / No
	3343	6.98	1.19	No / No
	1383	10.76	0.70	No / No
	1379	13.16	1.49	No / No
	1376	13.58	1.42	No / No
	1372	15.10	2.42	No / No
	3346	6.35	1.93	No / No

Block 6: Core E East Elevation	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	2976	5.22	1.40	No / No
	1122	8.26	0.70	No / No
	1118	10.61	1.23	No / No
	1115	11.32	1.40	No / No
	1111	12.15	1.17	No / No
	2979	6.35	1.93	No / No
	852	3.86	0.92	No / No
	792	6.70	0.70	No / No
	788	8.92	1.09	No / No
	785	9.82	1.40	No / No
	781	10.04	1.14	No / No
	855	5.49	1.62	No / No

Block 6: Core E East Elevation	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	1792	20.39	7.22	No / Yes
	1769	22.18	9.28	No / Yes
	1772	22.34	9.71	No / Yes
	1775	21.84	9.48	No / Yes
	1778	21.47	9.19	No / Yes
	1789	8.85	2.33	No / No
	3016	15.03	5.21	No / Yes
	1139	19.63	7.04	No / Yes
	1142	20.05	7.75	No / Yes
	1145	19.76	8.15	No / Yes
	1148	19.71	8.69	No / Yes
	3009	5.01	2.15	No / No
	2649	12.26	4.07	No / No
	878	17.30	5.16	No / Yes
	881	16.68	5.07	No / Yes
	884	16.73	5.68	No / Yes
	887	16.55	6.02	No / Yes
	2642	3. 55	0. 98	No / No
	130	11.54	3.42	No / No
	55	15.12	3.83	No / No
	58	14.13	3.83	No / No
	61	14.76	4.25	No / No
	64	15.35	4.87	No / No
	123	2.54	0.68	No / No

Block 6: Core E East Elevation	Window Reference	Annual APSH Target ≥25.00%	Winter APSH Target ≥5.00%	Meets BRE 209 Recommended Levels
	1807	21.10	9.09	No / Yes
	1783	20.17	8.37	No / Yes
	1786	20.47	7.43	No / Yes
	1810	20.30	7.01	No / Yes
	1813	19.79	6.51	No / Yes
	3043	13.86	8.45	No / Yes
	1172	17.96	7.77	No / Yes
	1175	18.31	7.54	No / Yes
	1178	19.21	6.94	No / Yes
	1181	19.29	6.07	No / Yes
	2988	7.85	0.30	No / No
	2676	12.49	7.49	No / Yes
	911	15.19	7.21	No / Yes
	914	16.18	7.17	No / Yes
	917	16.60	6.58	No / Yes
	920	17.56	5.75	No / Yes
	2621	4.15	0.13	No / No
	155	11.86	6.86	No / Yes
	88	13.60	6.32	No / Yes
	91	13.73	6.03	No / Yes
	94	14.71	5.90	No / Yes
	97	15.32	5.63	No / Yes
	102	3.73	0.10	No / No