

OCSC

O'CONNOR · SUTTON · CRONIN

MULTIDISCIPLINARY CONSULTING ENGINEERS

L379: CLONGRIFFIN

DAYLIGHT, SUNLIGHT & OVERSHADOWING ASSESSMENT

For

Land Development Agency

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1 EXECUTIVE SUMMARY

OCSC (M&E) have been appointed to carry out a Daylight, Sunlight & Overshadowing Assessment for the Clongriffin residential development.

The aim of the study is to record and analyse the results for the following:

- The internal daylight levels within the living/Kitchen/Dining and bedroom spaces;
- The quality of amenity space being provided as part of the development, in relation to sunlight;
- The impact of the proposed development on adjacent existing and permitted properties.

The results presented in Section 5 indicate that 99.9% of assessed spaces meet Criterion 1 and 98.9% meet Criterion 2. Overall, most spaces within the proposed development comply with the internal daylight requirements when assessed against the Third Edition Daylight Standard (BR209).
It is important to note that the performance targets which are included should be used with a degree of flexibility as per the extract below from the BRE Guide:

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

Internal Daylight

The analysis confirms that the majority of spaces not only meet but greatly exceed the recommendations outlined within the Third Edition (2022) methodology, 99.9% for criterion 1 and 98.9% for Criterion 2 within the proposed development has been achieved.

Throughout the development, comfortable and desirable spaces have been designed to enhance the opportunity for improved daylight levels and extensive glazing to every room enabling deep daylight penetration and providing enhanced views to landscaped open spaces.

Sunlight

In relation to amenity space sunlight, the overall amenity space in the development show compliance with BRE Guide 3rd Edition recommendations, with more than 50% of the total amenity space receiving more than 2 hours of sunlight on March 21st test day.

Overshadowing

The proposed scheme demonstrates that there is a negligible impact on the surrounding properties when assessed on the 21st March test day.

Impact to neighbouring properties

The VSC has been assessed for all windows within the surrounding existing and permitted properties. The analysis shows that the majority of windows in the neighbouring buildings achieve more than 27% VSC. For the windows where the VSC falls below the BRE recommended value, the proposed scheme has been assessed against both the previously permitted scheme and a mirror image scenario (which assumes a building of the same height as the adjacent properties on the currently vacant site).

This comparison demonstrates that no noticeable daylight impact is anticipated for sensitive receptors 1 to 12, as the VSC remains greater than 80% of its former value. Additionally, an internal daylight analysis has been undertaken for a selection of worst-case rooms within adjacent properties where low VSC values are recorded. The majority of the rooms assessed meet the internal daylight levels required in accordance with BRE guidelines, confirming that no significant adverse impact on surrounding properties is expected as a result of the proposed development.

2 PROPOSED DEVELOPMENT

The development will consist of the construction of a residential development set out in 3 no. blocks (identified as Zone 7, 8 & 9), ranging in height from 5 to 10 storeys, to accommodate 711 no. apartments including café/restaurant/retail units, community/cultural spaces, a standalone creche building and the completion of Market St.

The 3 no. residential buildings are arranged around podium courtyards accommodating communal amenity spaces for future residents. Zone 7 is a 5 to 7 storey block onto Main St, Friar's St, Park St and Market St containing 280 apartments. Zone 8 is a 6 to 8 storey block between Main St and Market Street containing 263 apartments. Zone 9 is a 6 to 10 storey block located on Main St, Station Square and Market Street containing 168 units.

Car and cycle parking for both residents and visitors is provided below podium and at surface level throughout the scheme. The proposed development includes all site landscaping works, open space, green roofs, lighting, servicing and utilities, signage, and associated and ancillary works, including site development works above and below ground.

The proposed development sits as part of a Masterplan for a wider Clongriffin landbank which includes the under-construction Block 5 & 6 to the north of Market Street.

For a more detailed description please refer to the Statutory Notices.

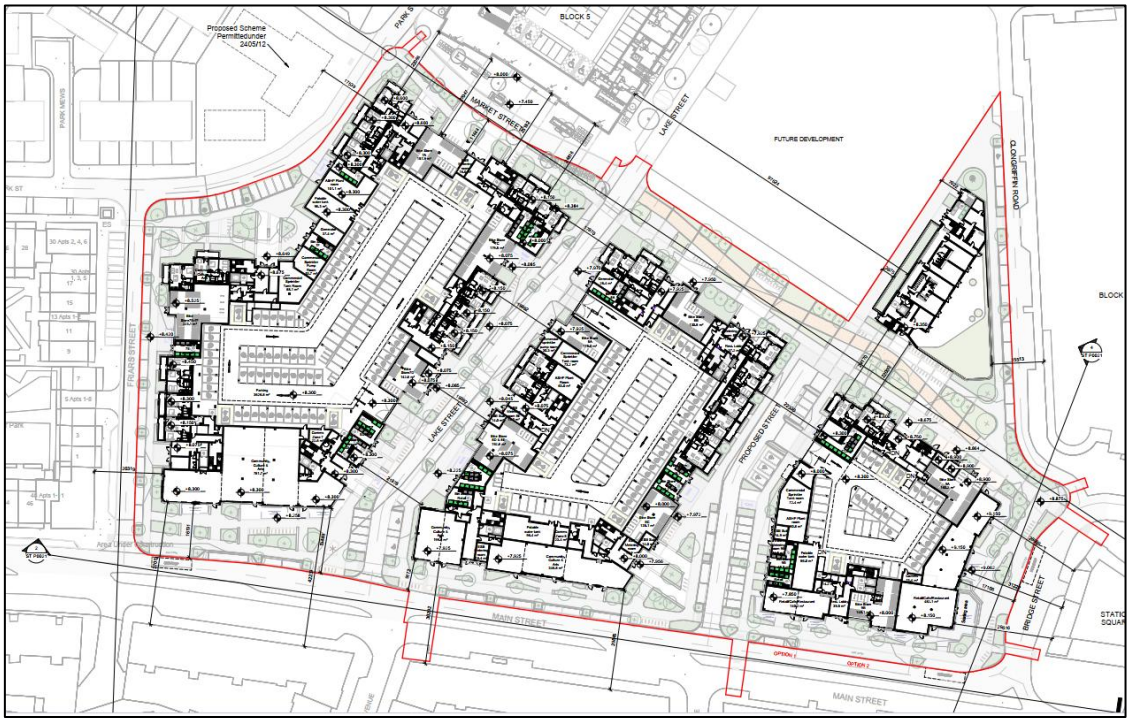


Figure 1: Proposed Development Site Plan

3 PROPOSED BUILDING DESIGN

To ensure that daylight levels were maximised for the development, several key design strategies were incorporated during concept design.

BUILDING MATERIAL SELECTION

The selection of materials play an important role in ambient daylight levels. The façade of the proposed development has been carefully selected to promote a sense of brightness. This will ensure light is reflected throughout the development. The inclusion of greenery to the amenity spaces will help to improve the sense of light and brightness within the dwellings.

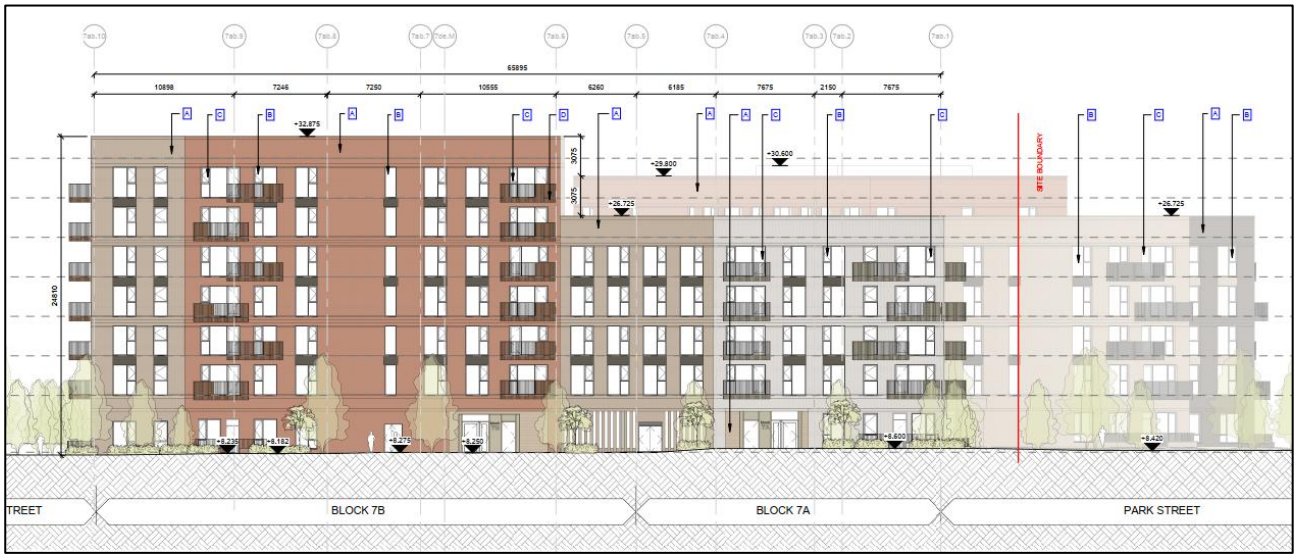


Figure 2: Façade North View of Proposed Development (Zone 7 A&B)

GLAZING TO WALL RATIO

The primary function of the glazing to wall ratio is to maximise daylight within the space while reducing excessive solar gains within a given development. The other advantage, in conjunction with appropriate materials, is that the lighter coloured, reflective materials used externally, the more ambient daylight will be reflected to the surrounding areas. Extensive analysis was undertaken on all building façades to ensure glazing widths were maximised to promote access to daylight. The image below illustrates the glazing to wall ratio of the proposed development.



Figure 3: Front South Elevation Glazing to Wall Ratio (Zone 7 A&B)

4 GUIDELINES FOR DAYLIGHT AND SUNLIGHT

The analysis of the development's daylight potential and the quality of amenity spaces have been based on the Building Research Establishment (BRE) guidelines on "Site Layout Planning for Daylight and Sunlight: A BRE "Site Layout Planning for Daylight and Sunlight: A Good Practice Guide" by PJ Littlefair, 2022.

The guideline provides the criteria and methodology for calculations pertaining to daylight and sunlight and is the primary reference for this matter. The guide gives simple rules for analysing sites where the geometry of the surroundings is straightforward, supplementing them with graphical methods for complex sites.

However, it is important to note that the performance targets which are included should be used with a degree of flexibility as per the extract below from the BRE guidance:

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

5 DAYLIGHT LEVELS WITHIN THE PROPOSED DEVELOPMENT

ASSESSMENT CRITERIA – INTERAL DAYLIGHT (2022 METHODOLOGY)

The proposed scheme's daylight levels have been tested to the more recently published Third Edition (2022). The 2022 Methodology standard goes beyond the average daylight levels within a space, and accounts for the distribution of light within a space.

Level of recommendation for vertical and inclined daylight opening	Target illuminance E_T lx	Fraction of space for target level $F_{plane,\%}$	Minimum target illuminance E_{TM} lx	Fraction of space for minimum target level $F_{plane,\%}$	Fraction of daylight hours $F_{time,\%}$
Minimum	300	50 %	100	95 %	50 %
Medium	500	50 %	300	95 %	50 %
High	750	50 %	500	95 %	50 %
NOTE Table A.3 gives target daylight factor (D_T) and minimum target daylight factor (D_{TM}) corresponding to target illuminance level and minimum target illuminance, respectively, for the CEN capital cities.					

Figure 4: BRE Guide 3rd Edition – Daylight Analysis Methodology – Table A.1

The BRE Guide 3rd Edition calculation method using illuminance level features two daylight criteria for compliance:

- Criterion I recommends that in the analysed space an illuminance of ≥ 100 lux must be achieved for half of the daylight time in a year (2,190 hours), across ≥ 95% of the floor area of the given space;
- Criterion II recommends that in the analysed space an illuminance of ≥ 300 lux must be achieved for half of the daylight time in a year (2,190 hours), across ≥ 50% of the floor area of the given space.

In order to analyse the daylight performance for the proposed scheme in this regard, detailed 3D model was generated of the entire development and adjacent properties. A number of computer simulations were then undertaken in IES VE to ascertain the lux levels achieved within all units of the proposed development.

DAYLIGHT PARAMETERS

The surface reflectance values outlined in Table 1 have been used in the analysis, as per the BR209 document (Third edition).

Surface Type	Reflectance (%)
External Wall	20
Internal Partitions	50
Ceiling	70
Floor	20
Adjacent Buildings	20
Glazing Transmittance	70

Table 1: Surface Reflectance Values

The lux calculations are carried out in a working plane that lies 850 mm above the finished floor level. A grid of 250 mm is used to calculate all different points within the room and the average of these points determines Lux levels achieved.

Unit assessed are based on the following drawings provided by Henry J Lyons Architect:

Job No.	Drawing No.	Drawing Type
L379	CWL-HJL-Z7-00-DR-A-A P1010-ZONE 7	Floor Plans
L379	CWL-HJL-Z7-01-DR-A-A P1011-ZONE 7	Floor Plans
L379	CWL-HJL-Z7-02-DR-A-A P1012-ZONE 7	Floor Plans
L379	CWL-HJL-Z7-03-DR-A-A P1013-ZONE 7	Floor Plans
L379	CWL-HJL-Z7-04-DR-A-A P1014-ZONE 7	Floor Plans
L379	CWL-HJL-Z7-05-DR-A-A P1015-ZONE 7	Floor Plans
L379	CWL-HJL-Z7-06-DR-A-A P1016-ZONE 7	Floor Plans
L379	CWL-HJL-Z7-07-DR-A-A P1017-ZONE 7	Floor Plans
L379	CWL-HJL-ZZ-00-DR-A-A P1020-ZONE 8&9	Floor Plans
L379	CWL-HJL-ZZ-01-DR-A-A P1021-ZONE 8&9	Floor Plans
L379	CWL-HJL-ZZ-02-DR-A-A P1022-ZONE 8&9	Floor Plans
L379	CWL-HJL-ZZ-03-DR-A-A P1023-ZONE 8&9	Floor Plans
L379	CWL-HJL-ZZ-04-DR-A-A P1024-ZONE 8&9	Floor Plans
L379	CWL-HJL-ZZ-05-DR-A-A P1025-ZONE 8&9	Floor Plans
L379	CWL-HJL-ZZ-06-DR-A-A P1026-ZONE 8&9	Floor Plans
L379	CWL-HJL-ZZ-07-DR-A-A P1027-ZONE 8&9	Floor Plans
L379	CWL-HJL-ZZ-08-DR-A-A P1028-ZONE 8&9	Floor Plans

Job No.	Drawing No.	Drawing Type
L379	CWL-HJL-ZZ-09-DR-A-A P1029-ZONE 8&9	Floor Plans
L379	CWL-HJL-ZZ-10-DR-A-A P1030-ZONE 8&9	Roof Plans
L379	CWL-HJL-Z9-ZZ-DR-A-A P1040-CRECHE	Floor Plans
L379	CWL-HJL-Z9-ZZ-DR-A-A P1041-CRECHE	Roof Plans

Table 2: List of drawings referenced in the Daylight models

DAYLIGHT RESULTS – INTERNAL DAYLIGHT IN PROPOSED DWELLINGS

This section outlines the assessment of internal daylight levels in the Clongriffin residential development.

In summary, 99.9% for criterion 1 and 98.9% for criterion 2 of proposed development achieve the recommended Lux levels outlined under the Third Edition standard.

In all cases, generous floor to ceiling heights have been designed into the project with glazing areas being increased to amplify the quality of daylight received. Careful consideration has been given to room layout design, generally aiming to allocate storage and circulation areas to the back of rooms, and living spaces to the front - where the highest level of daylight is expected. The results of the analysis are outlined in the accompanying tables.

A small number of rooms within the proposed development do not meet the BRE-guideline compliance criteria for internal daylight. The table below outlines the compensatory measures proposed for units that do not achieve the required daylight performance. In addition, specific compensatory measures for non-compliant unit types are presented in the relevant sections of the results below

S. No.	Space name	Mitigation measures
1	BLK.7E 1-3 Liv/Din	Unit is 10% oversized. Unit has bigger private terrace on 1st floor.
2	BLK.8E 0-1 Liv/Din	Unit is 10% oversized. Unit benefits from larger private terraces on ground floor.
3	BLK.8E 0-2 Liv/Din	Unit is 10% oversized. Unit benefits from larger private terraces on ground floor.
4	BLK.8B 1-1 Liv/Din	Unit is located within a dual-aspect unit. Unit benefits from larger private terrace on first floor.
5	BLK.8B 1-9 Bedroom	Unit is part of a unit that is 10% oversized. Unit benefits from larger private terrace on first floor.
6	BLK.8B 2-10 Liv/Din	Unit is 10% oversized.
7	BLK.8D 1-1 Bedroom	This unit is dual-aspect and 10% oversized. This unit benefits from larger private terrace on first floor.
8	BLK.8E 1-6 Bedroom	Unit is 10% oversized.
9	BLK.8E 1-7 Bedroom	Unit is 10% oversized.
10	BLK.8E 1-8 Liv/Din	Unit is 10% oversized.
11	BLK.8E 2-7 Bedroom	Unit is 10% oversized.
12	BLK.9B 1-4 Bedroom	Unit is 10% oversized. This unit benefits from larger private terrace on first floor.
13	BLK.9B 1-4 Bedroom	Unit is 10% oversized. This unit benefits from larger private terrace on first floor.
14	BLK.9B 2-4 Liv/Din	Unit is 10% oversized.
15	BLK.9B 3-4 Liv/Din	Unit is 10% oversized.

Table 3: Rooms provided with mitigation measures.

Legends

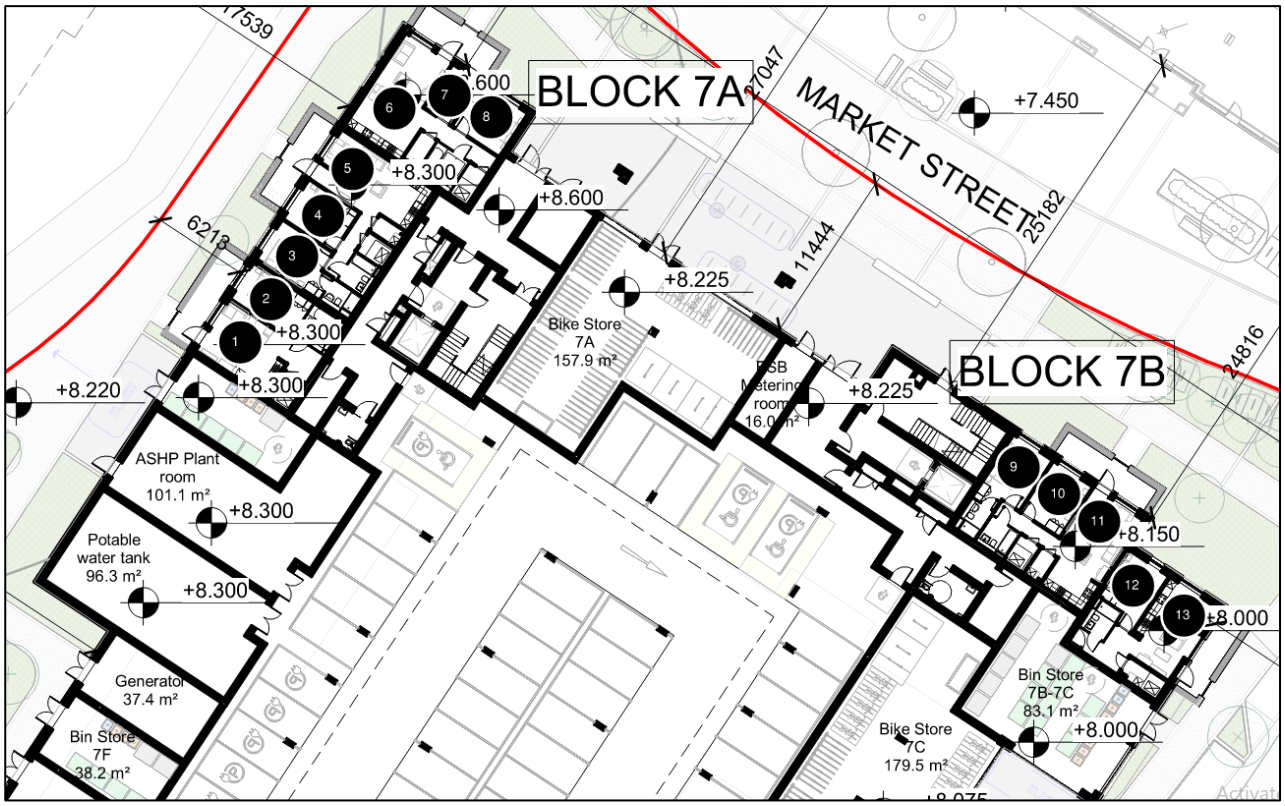


Figure 5: Zone 07 A & B Ground Floor Legend

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Bedroom	100%	Y	100%	Y
5	Liv/Din	100%	Y	100%	Y
6	Liv/Din	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
8	Bedroom	100%	Y	100%	Y
9	Bedroom	100%	Y	100%	Y
10	Bedroom	100%	Y	100%	Y
11	Liv/Din	100%	Y	100%	Y
12	Bedroom	100%	Y	96%	Y
13	Liv/Din	100%	Y	100%	Y

Table 4: BR209 Methodology Results (Zone 07 A & B Ground Floor)

Legends

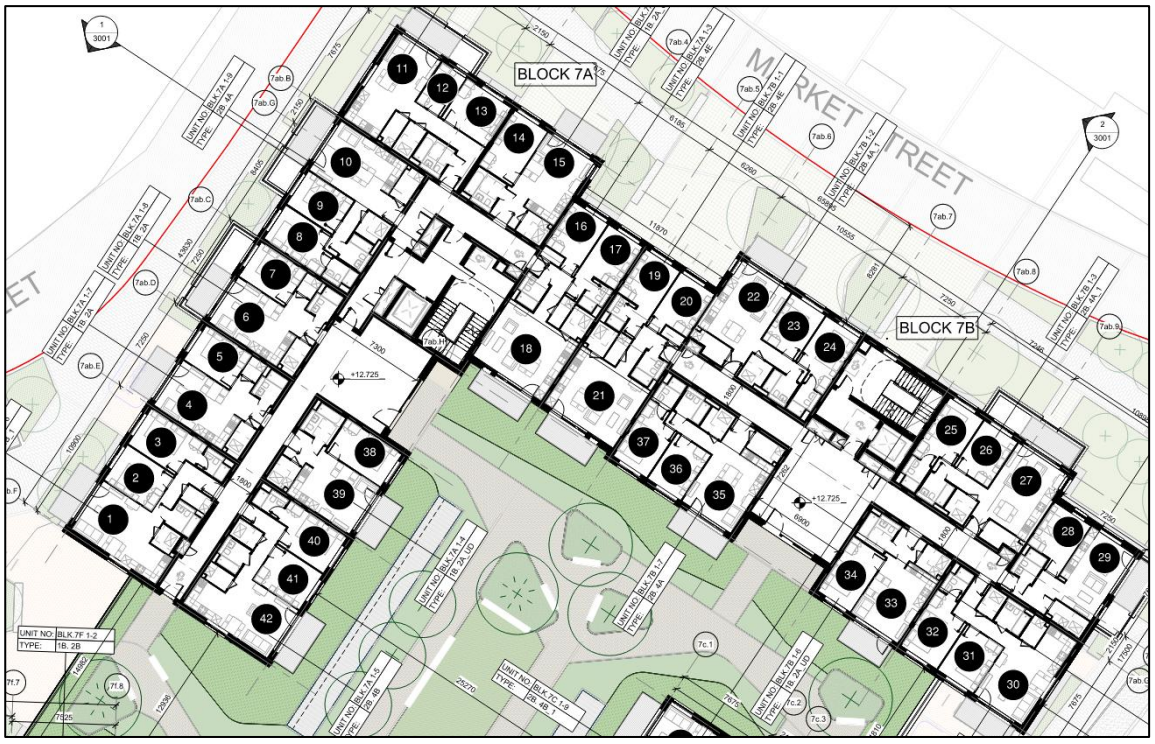


Figure 6: Zone 07 A & B First Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Liv/Din	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Liv/Din	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y
8	Bedroom	100%	Y	100%	Y
9	Bedroom	100%	Y	100%	Y
10	Liv/Din	100%	Y	100%	Y
11	Liv/Din	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y
13	Bedroom	100%	Y	100%	Y
14	Bedroom	100%	Y	100%	Y
15	Liv/Din	100%	Y	100%	Y
16	Bedroom	100%	Y	97%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
17	Bedroom	100%	Y	100%	Y
18	Liv/Din	100%	Y	89%	Y
19	Bedroom	100%	Y	96%	Y
20	Bedroom	100%	Y	100%	Y
21	Liv/Din	100%	Y	97%	Y
22	Liv/Din	100%	Y	100%	Y
23	Bedroom	100%	Y	98%	Y
24	Bedroom	100%	Y	97%	Y
25	Bedroom	100%	Y	100%	Y
26	Bedroom	100%	Y	99%	Y
27	Liv/Din	100%	Y	100%	Y
28	Bedroom	100%	Y	97%	Y
29	Liv/Din	100%	Y	100%	Y
30	Liv/Din	100%	Y	100%	Y
31	Bedroom	100%	Y	92%	Y
32	Bedroom	100%	Y	57%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
33	Liv/Din	100%	Y	57%	Y
34	Bedroom	100%	Y	61%	Y
35	Liv/Din	100%	Y	88%	Y
36	Bedroom	100%	Y	93%	Y
37	Bedroom	100%	Y	89%	Y
38	Bedroom	100%	Y	93%	Y
39	Liv/Din	100%	Y	88%	Y
40	Bedroom	100%	Y	96%	Y
41	Bedroom	100%	Y	99%	Y
42	Liv/Din	100%	Y	98%	Y

Table 5: BR209 Methodology Results (Zone 07 A & B First Floor)

Legends

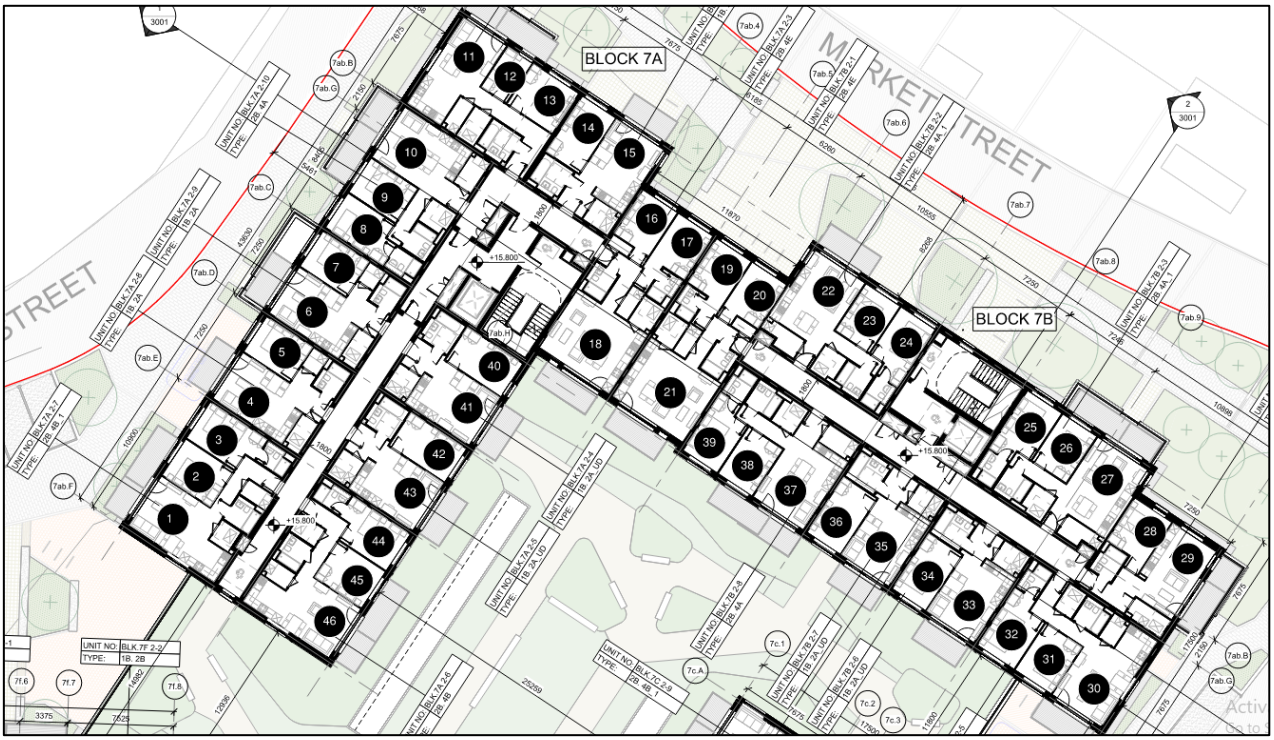


Figure 7: Zone 07 A & B Second Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Liv/Din	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Liv/Din	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y
8	Bedroom	100%	Y	100%	Y
9	Bedroom	100%	Y	100%	Y
10	Liv/Din	100%	Y	100%	Y
11	Liv/Din	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y
13	Bedroom	100%	Y	100%	Y
14	Bedroom	100%	Y	100%	Y
15	Liv/Din	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
16	Bedroom	100%	Y	96%	Y
17	Bedroom	100%	Y	100%	Y
18	Liv/Din	100%	Y	98%	Y
19	Bedroom	100%	Y	100%	Y
20	Bedroom	100%	Y	100%	Y
21	Liv/Din	100%	Y	99%	Y
22	Liv/Din	100%	Y	100%	Y
23	Bedroom	100%	Y	100%	Y
24	Bedroom	100%	Y	98%	Y
25	Bedroom	100%	Y	100%	Y
26	Bedroom	100%	Y	100%	Y
27	Liv/Din	100%	Y	100%	Y
28	Bedroom	100%	Y	98%	Y
29	Liv/Din	100%	Y	100%	Y
30	Liv/Din	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
31	Bedroom	100%	Y	96%	Y
32	Bedroom	100%	Y	92%	Y
33	Liv/Din	100%	Y	69%	Y
34	Bedroom	100%	Y	56%	Y
35	Liv/Din	100%	Y	62%	Y
36	Bedroom	100%	Y	85%	Y
37	Liv/Din	100%	Y	92%	Y
38	Bedroom	100%	Y	96%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
39	Bedroom	100%	Y	99%	Y
40	Bedroom	100%	Y	100%	Y
41	Liv/Din	100%	Y	90%	Y
42	Bedroom	100%	Y	98%	Y
43	Liv/Din	100%	Y	94%	Y
44	Bedroom	100%	Y	100%	Y
45	Bedroom	100%	Y	99%	Y
46	Liv/Din	100%	Y	99%	Y

Table 6: BR209 Methodology Results (Zone 07 A & B Second Floor)

Legends

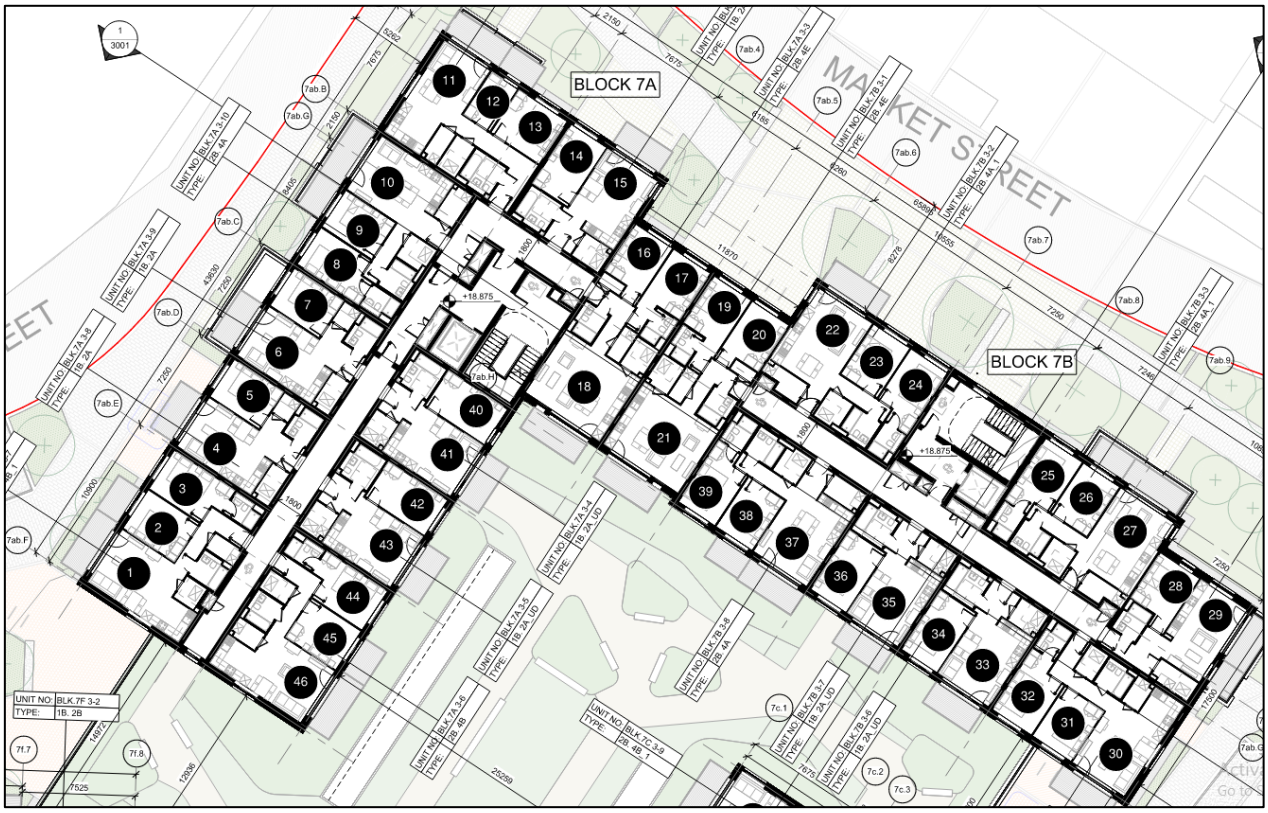


Figure 8: Zone 07 A & B Third Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Liv/Din	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Liv/Din	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y
8	Bedroom	100%	Y	100%	Y
9	Bedroom	100%	Y	100%	Y
10	Liv/Din	100%	Y	100%	Y
11	Liv/Din	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y
13	Bedroom	100%	Y	100%	Y
14	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
15	Liv/Din	100%	Y	100%	Y
16	Bedroom	100%	Y	100%	Y
17	Bedroom	100%	Y	100%	Y
18	Liv/Din	100%	Y	97%	Y
19	Bedroom	100%	Y	100%	Y
20	Bedroom	100%	Y	100%	Y
21	Liv/Din	100%	Y	100%	Y
22	Liv/Din	100%	Y	100%	Y
23	Bedroom	100%	Y	100%	Y
24	Bedroom	100%	Y	100%	Y
25	Bedroom	100%	Y	100%	Y
26	Bedroom	100%	Y	100%	Y
27	Liv/Din	100%	Y	100%	Y
28	Bedroom	100%	Y	91%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
29	Liv/Din	100%	Y	100%	Y
30	Liv/Din	100%	Y	100%	Y
31	Bedroom	100%	Y	95%	Y
32	Bedroom	100%	Y	96%	Y
33	Liv/Din	100%	Y	70%	Y
34	Bedroom	100%	Y	68%	Y
35	Liv/Din	100%	Y	69%	Y
36	Bedroom	100%	Y	86%	Y
37	Liv/Din	100%	Y	92%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
38	Bedroom	100%	Y	95%	Y
39	Bedroom	100%	Y	100%	Y
40	Bedroom	100%	Y	89%	Y
41	Liv/Din	100%	Y	97%	Y
42	Bedroom	100%	Y	100%	Y
43	Liv/Din	100%	Y	97%	Y
44	Bedroom	100%	Y	100%	Y
45	Bedroom	100%	Y	100%	Y
46	Liv/Din	100%	Y	99%	Y

Table 7: BR209 Methodology Results (Zone 07 A & B Third Floor)

Legends

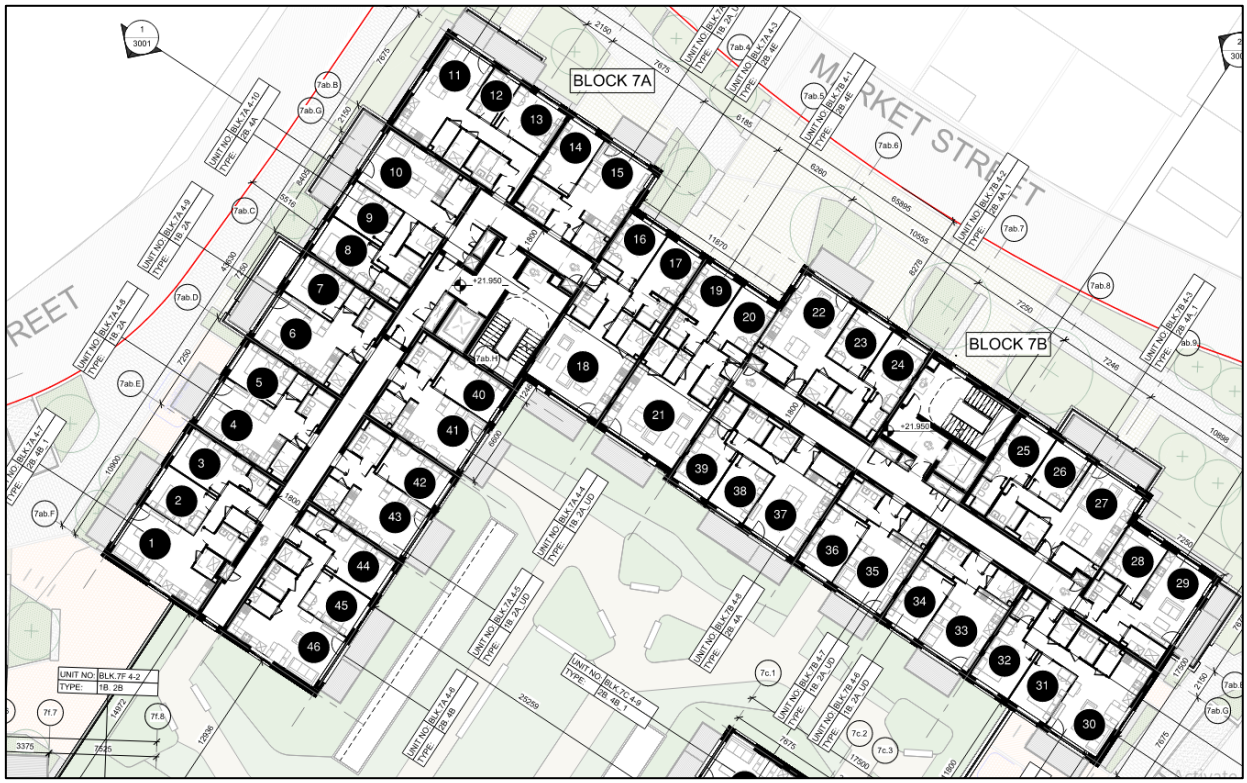


Figure 9: Zone 07 A & B Fourth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Liv/Din	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Liv/Din	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y
8	Bedroom	100%	Y	100%	Y
9	Bedroom	100%	Y	100%	Y
10	Liv/Din	100%	Y	100%	Y
11	Liv/Din	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y
13	Bedroom	100%	Y	100%	Y
14	Bedroom	100%	Y	100%	Y
15	Liv/Din	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
16	Bedroom	100%	Y	100%	Y
17	Bedroom	100%	Y	100%	Y
18	Liv/Din	100%	Y	100%	Y
19	Bedroom	100%	Y	100%	Y
20	Bedroom	100%	Y	100%	Y
21	Liv/Din	100%	Y	100%	Y
22	Liv/Din	100%	Y	100%	Y
23	Bedroom	100%	Y	100%	Y
24	Bedroom	100%	Y	100%	Y
25	Bedroom	100%	Y	100%	Y
26	Bedroom	100%	Y	100%	Y
27	Liv/Din	100%	Y	100%	Y
28	Bedroom	100%	Y	96%	Y
29	Liv/Din	100%	Y	100%	Y
30	Liv/Din	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
31	Bedroom	100%	Y	97%	Y
32	Bedroom	100%	Y	100%	Y
33	Liv/Din	100%	Y	86%	Y
34	Bedroom	100%	Y	74%	Y
35	Liv/Din	100%	Y	71%	Y
36	Bedroom	100%	Y	96%	Y
37	Liv/Din	100%	Y	97%	Y
38	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
39	Bedroom	100%	Y	100%	Y
40	Bedroom	100%	Y	100%	Y
41	Liv/Din	100%	Y	100%	Y
42	Bedroom	100%	Y	100%	Y
43	Liv/Din	100%	Y	100%	Y
44	Bedroom	100%	Y	100%	Y
45	Bedroom	100%	Y	100%	Y
46	Liv/Din	100%	Y	99%	Y

Table 8: BR209 Methodology Results (Zone 07 A & B Fourth Floor)

Legends

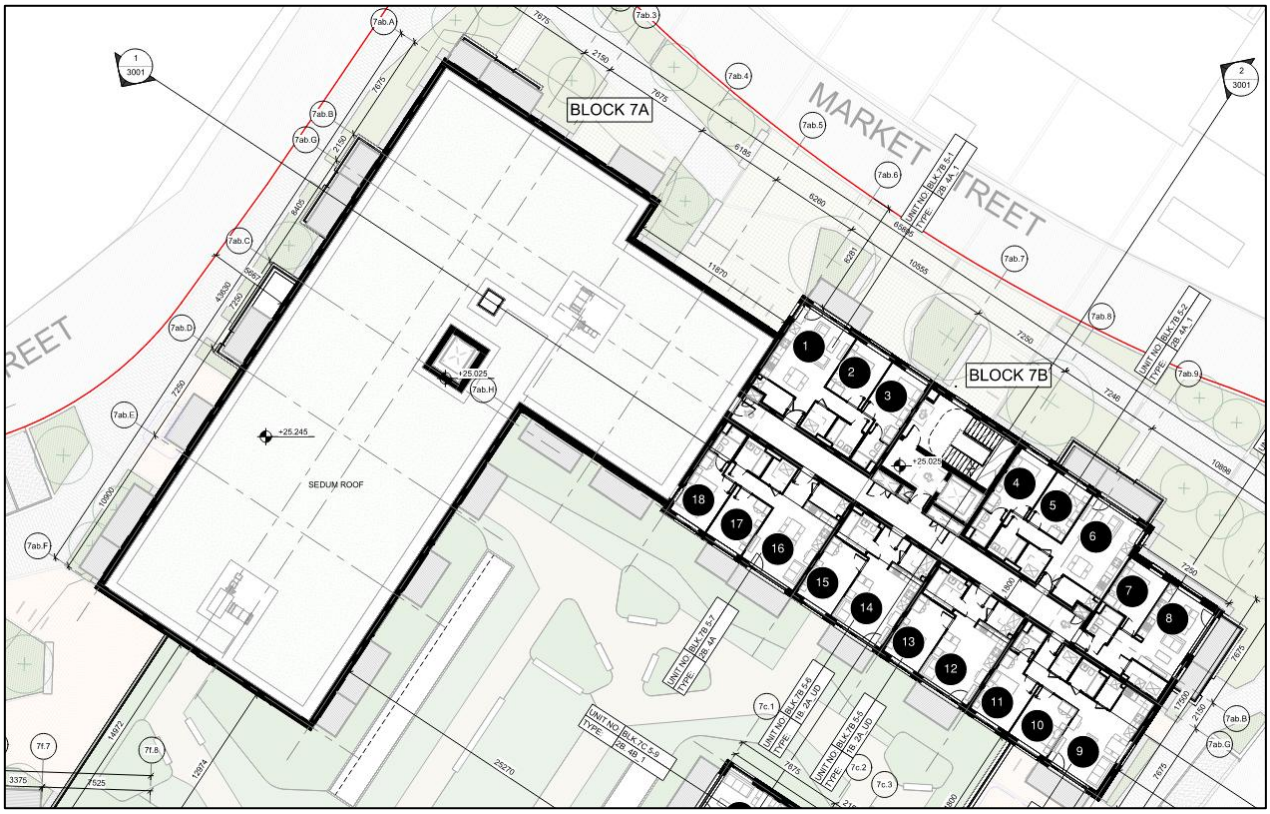


Figure 10: Zone 07 A & B Fifth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Bedroom	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Liv/Din	100%	Y	100%	Y
7	Bedroom	100%	Y	96%	Y
8	Liv/Din	100%	Y	100%	Y
9	Liv/Din	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
10	Bedroom	100%	Y	100%	Y
11	Bedroom	100%	Y	100%	Y
12	Liv/Din	100%	Y	99%	Y
13	Bedroom	100%	Y	100%	Y
14	Liv/Din	100%	Y	97%	Y
15	Bedroom	100%	Y	100%	Y
16	Liv/Din	100%	Y	100%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y

Table 9: BR209 Methodology Results (Zone 07 A & B Fifth Floor)

Legends

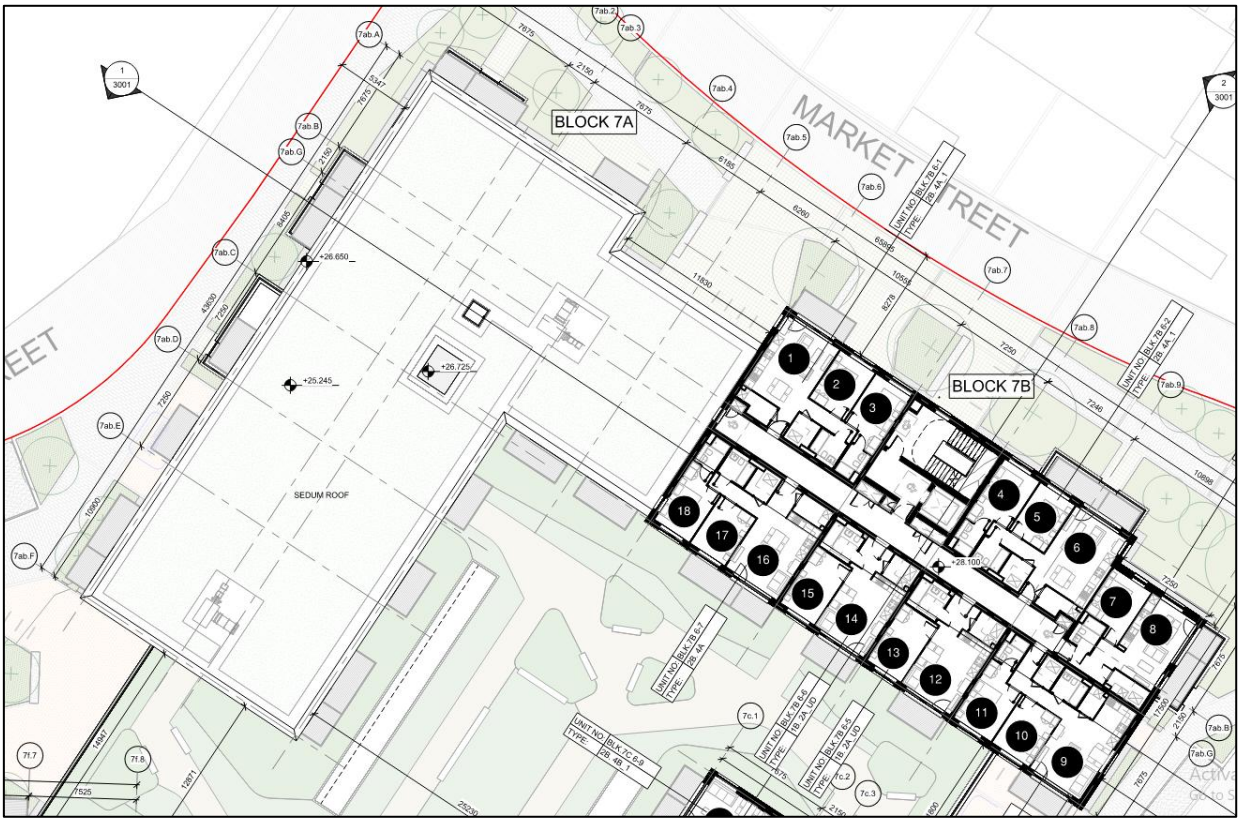


Figure 11: Zone 07 A & B Sixth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Bedroom	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Liv/Din	100%	Y	100%	Y
7	Bedroom	100%	Y	98%	Y
8	Liv/Din	100%	Y	100%	Y
9	Liv/Din	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
10	Bedroom	100%	Y	100%	Y
11	Bedroom	100%	Y	100%	Y
12	Liv/Din	100%	Y	100%	Y
13	Bedroom	100%	Y	100%	Y
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Liv/Din	100%	Y	100%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y

Table 10: BR209 Methodology Results (Zone 07 A & B Sixth Floor)

Legends



Figure 12: Zone 07 C Ground Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Bedroom	100%	Y	100%	Y
17	Liv/Din	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Bedroom	100%	Y	100%	Y
20	Liv/Din	100%	Y	100%	Y

Table 11: BR209 Methodology Results (Zone 07 C Ground Floor)

Legends

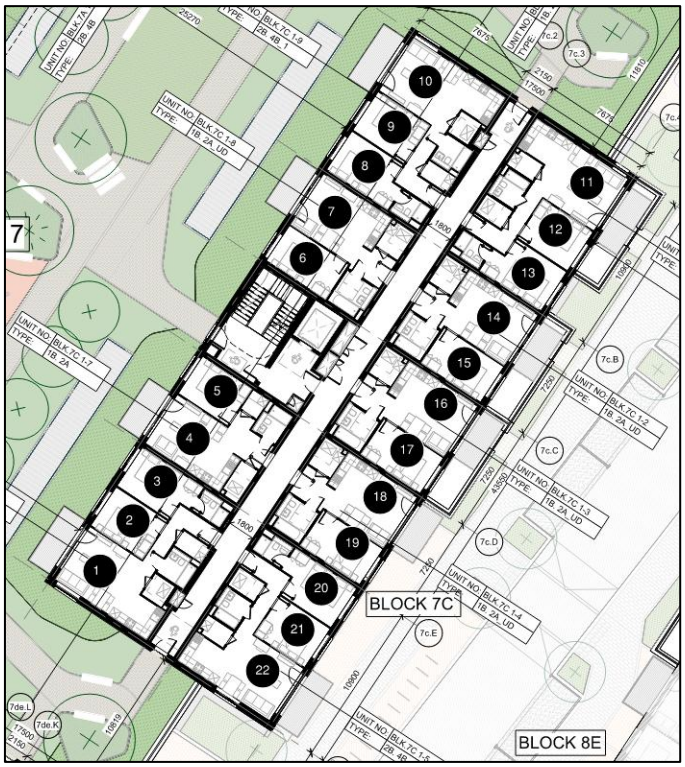


Figure 13: Zone 07 C First Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	90%	Y
4	Liv/Din	100%	Y	90%	Y
5	Bedroom	100%	Y	97%	Y
6	Bedroom	100%	Y	97%	Y
7	Liv/Din	100%	Y	78%	Y
8	Bedroom	100%	Y	94%	Y
9	Bedroom	100%	Y	93%	Y
10	Liv/Din	100%	Y	88%	Y
11	Liv/Din	100%	Y	86%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Bedroom	100%	Y	67%	Y
13	Bedroom	100%	Y	76%	Y
14	Liv/Din	100%	Y	52%	Y
15	Bedroom	95%	Y	87%	Y
16	Bedroom	100%	Y	74%	Y
17	Liv/Din	100%	Y	95%	Y
18	Bedroom	100%	Y	98%	Y
19	Liv/Din	100%	Y	77%	Y
20	Bedroom	100%	Y	100%	Y
21	Bedroom	100%	Y	99%	Y
22	Liv/Din	100%	Y	100%	Y

Table 12: BR209 Methodology Results (Zone 07 C First Floor)

Legends

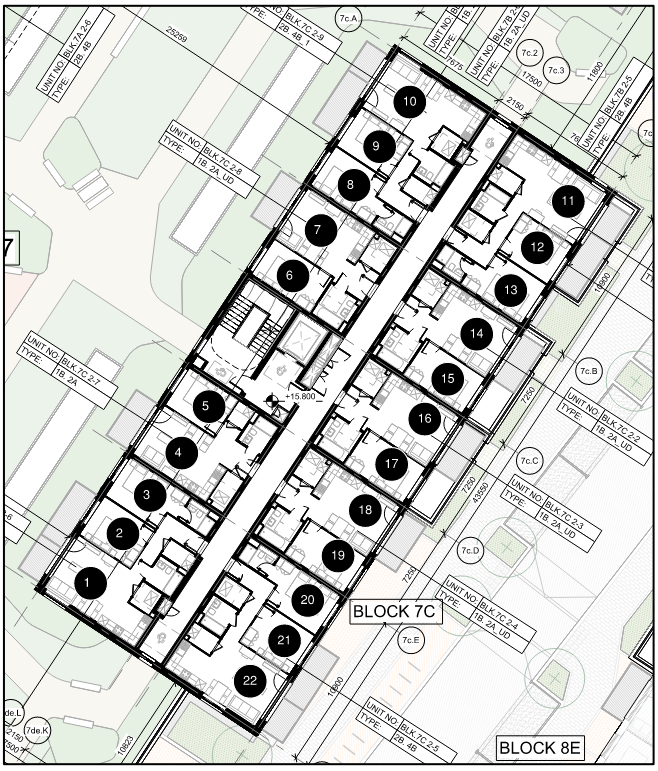


Figure 14: Zone 07 C Second Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	98%	Y
4	Liv/Din	100%	Y	97%	Y
5	Bedroom	100%	Y	100%	Y
6	Bedroom	100%	Y	100%	Y
7	Liv/Din	100%	Y	92%	Y
8	Bedroom	99%	Y	98%	Y
9	Bedroom	100%	Y	99%	Y
10	Liv/Din	100%	Y	91%	Y
11	Liv/Din	100%	Y	86%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Bedroom	100%	Y	99%	Y
13	Bedroom	100%	Y	95%	Y
14	Liv/Din	100%	Y	76%	Y
15	Bedroom	95%	Y	91%	Y
16	Bedroom	100%	Y	96%	Y
17	Liv/Din	100%	Y	68%	Y
18	Bedroom	100%	Y	100%	Y
19	Liv/Din	100%	Y	81%	Y
20	Bedroom	100%	Y	100%	Y
21	Bedroom	100%	Y	100%	Y
22	Liv/Din	100%	Y	100%	Y

Table 13: BR209 Methodology Results (Zone 07 C Second Floor)

Legends



Figure 15: Zone 07 C Third Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Liv/Din	100%	Y	99%	Y
5	Bedroom	100%	Y	100%	Y
6	Bedroom	100%	Y	100%	Y
7	Liv/Din	100%	Y	97%	Y
8	Bedroom	99%	Y	98%	Y
9	Bedroom	100%	Y	100%	Y
10	Liv/Din	100%	Y	100%	Y
11	Liv/Din	100%	Y	88%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Bedroom	100%	Y	82%	Y
13	Bedroom	100%	Y	84%	Y
14	Liv/Din	100%	Y	79%	Y
15	Bedroom	95%	Y	94%	Y
16	Bedroom	100%	Y	100%	Y
17	Liv/Din	100%	Y	76%	Y
18	Bedroom	100%	Y	100%	Y
19	Liv/Din	100%	Y	92%	Y
20	Bedroom	100%	Y	100%	Y
21	Bedroom	100%	Y	100%	Y
22	Liv/Din	100%	Y	100%	Y

Table 14: BR209 Methodology Results (Zone 07 C Third Floor)

Legends

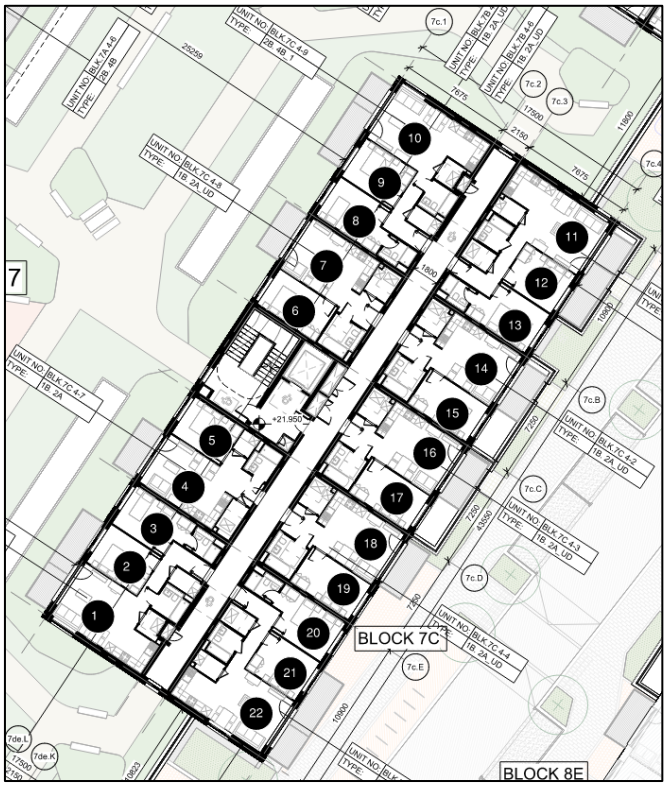


Figure 16: Zone 07 C Fourth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Liv/Din	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Bedroom	100%	Y	100%	Y
7	Liv/Din	100%	Y	100%	Y
8	Bedroom	100%	Y	98%	Y
9	Bedroom	100%	Y	100%	Y
10	Liv/Din	100%	Y	95%	Y
11	Liv/Din	100%	Y	93%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Bedroom	100%	Y	100%	Y
13	Bedroom	100%	Y	100%	Y
14	Liv/Din	100%	Y	82%	Y
15	Bedroom	95%	Y	93%	Y
16	Bedroom	100%	Y	100%	Y
17	Liv/Din	100%	Y	87%	Y
18	Bedroom	100%	Y	100%	Y
19	Liv/Din	100%	Y	90%	Y
20	Bedroom	100%	Y	100%	Y
21	Bedroom	100%	Y	100%	Y
22	Liv/Din	100%	Y	100%	Y

Table 15: BR209 Methodology Results (Zone 07 C Fourth Floor)

Legends

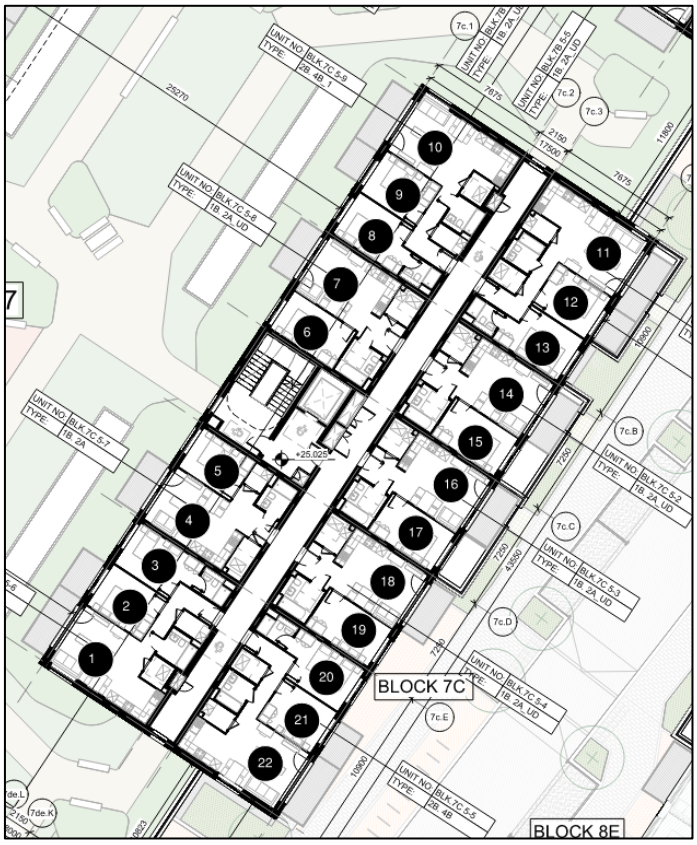


Figure 17: Zone 07 C Fifth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Liv/Din	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Bedroom	100%	Y	100%	Y
7	Liv/Din	100%	Y	100%	Y
8	Bedroom	100%	Y	100%	Y
9	Bedroom	100%	Y	100%	Y
10	Liv/Din	100%	Y	100%	Y
11	Liv/Din	100%	Y	96%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Bedroom	100%	Y	100%	Y
13	Bedroom	100%	Y	100%	Y
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	95%	Y	95%	Y
16	Bedroom	100%	Y	100%	Y
17	Liv/Din	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Liv/Din	100%	Y	100%	Y
20	Bedroom	100%	Y	100%	Y
21	Bedroom	100%	Y	100%	Y
22	Liv/Din	100%	Y	100%	Y

Table 16: BR209 Methodology Results (Zone 07 C Fifth Floor)

Legends

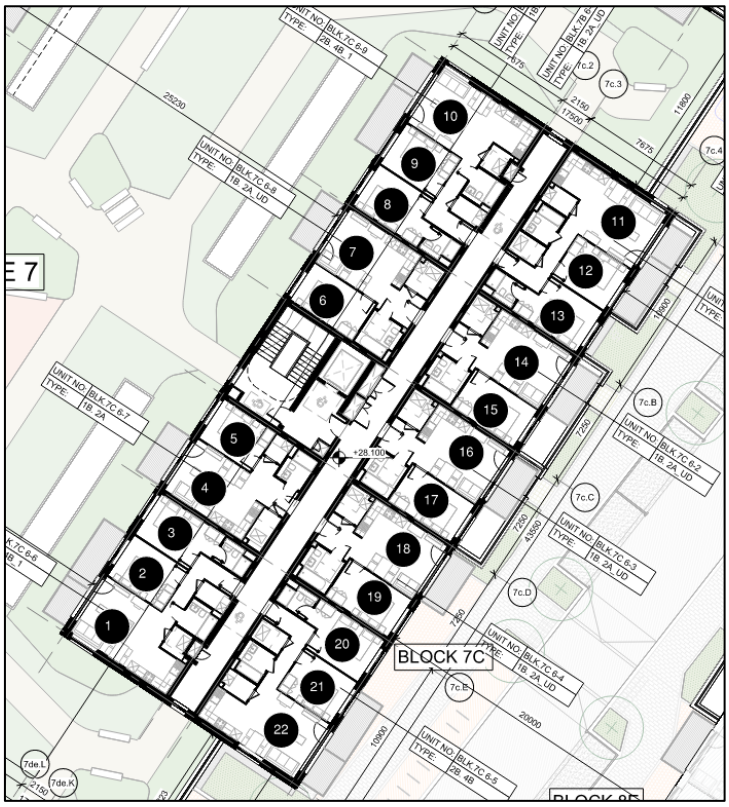


Figure 18: Zone 07 C Sixth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Liv/Din	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Bedroom	100%	Y	100%	Y
7	Liv/Din	100%	Y	100%	Y
8	Bedroom	100%	Y	100%	Y
9	Bedroom	100%	Y	100%	Y
10	Liv/Din	100%	Y	100%	Y
11	Liv/Din	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Bedroom	100%	Y	100%	Y
13	Bedroom	100%	Y	100%	Y
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	95%	Y	95%	Y
16	Bedroom	100%	Y	100%	Y
17	Liv/Din	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Liv/Din	100%	Y	100%	Y
20	Bedroom	100%	Y	100%	Y
21	Bedroom	100%	Y	99%	Y
22	Liv/Din	100%	Y	100%	Y

Table 17: BR209 Methodology Results (Zone 07 C Sixth Floor)

Legends



Figure 19: Zone 07 D & E Ground Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
22	Bedroom	100%	Y	100%	Y
23	Liv/Din	100%	Y	100%	Y
24	Bedroom	100%	Y	100%	Y
25	Liv/Din	100%	Y	100%	Y
26	Bedroom	100%	Y	100%	Y
27	Bedroom	100%	Y	100%	Y
28	Liv/Din	100%	Y	100%	Y
29	Liv/Din	100%	Y	100%	Y
30	Bedroom	100%	Y	96%	Y
31	Liv/Din	100%	Y	99%	Y
32	Bedroom	100%	Y	92%	Y
33	Bedroom	100%	Y	94%	Y

Table 18: BR209 Methodology Results (Zone 07 D & E Ground Floor)

Legends



Figure 20: Zone 07 D & E First Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	79%	Y
2	Bedroom	100%	Y	81%	Y
3	Bedroom	100%	Y	88%	Y
4	Liv/Din	100%	Y	60%	Y
5	Bedroom	100%	Y	75%	Y
6	Liv/Din	100%	Y	49%	N
7	Bedroom	95%	Y	51%	Y
8	Bedroom	97%	Y	56%	Y
9	Bedroom	100%	Y	75%	Y
10	Liv/Din	98%	Y	98%	Y
11	Bedroom	100%	Y	78%	Y
12	Bedroom	100%	Y	80%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
13	Liv/Din	100%	Y	100%	Y
14	Liv/Din	100%	Y	62%	Y
15	Bedroom	100%	Y	73%	Y
16	Bedroom	98%	Y	67%	Y
17	Bedroom	100%	Y	79%	Y
18	Bedroom	100%	Y	83%	Y
19	Liv/Din	100%	Y	95%	Y
20	Liv/Din	100%	Y	94%	Y
21	Bedroom	100%	Y	84%	Y
22	Bedroom	100%	Y	86%	Y
23	Bedroom	100%	Y	77%	Y
24	Bedroom	100%	Y	50%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
25	Liv/Din	100%	Y	82%	Y
26	Liv/Din	100%	Y	82%	Y
27	Bedroom	100%	Y	100%	Y
28	Bedroom	100%	Y	100%	Y
29	Bedroom	100%	Y	100%	Y
30	Liv/Din	100%	Y	100%	Y
31	Bedroom	100%	Y	100%	Y
32	Bedroom	100%	Y	100%	Y
33	Liv/Din	100%	Y	100%	Y
34	Bedroom	100%	Y	98%	Y
35	Bedroom	100%	Y	100%	Y
36	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
37	Liv/Din	100%	Y	100%	Y
38	Liv/Din	100%	Y	100%	Y
39	Bedroom	100%	Y	100%	Y
40	Bedroom	100%	Y	100%	Y
41	Bedroom	100%	Y	87%	Y
42	Liv/Din	100%	Y	100%	Y
43	Bedroom	100%	Y	100%	Y
44	Liv/Din	100%	Y	90%	Y
45	Bedroom	100%	Y	100%	Y
46	Bedroom	100%	Y	100%	Y
47	Liv/Din	100%	Y	99%	Y

Table 19: BR209 Methodology Results (Zone 07 D & E First Floor)

Compensatory measures for unit failing daylight criteria

- Unit is 10% oversized
- Unit has bigger private terrace on 1st floor.

Legends

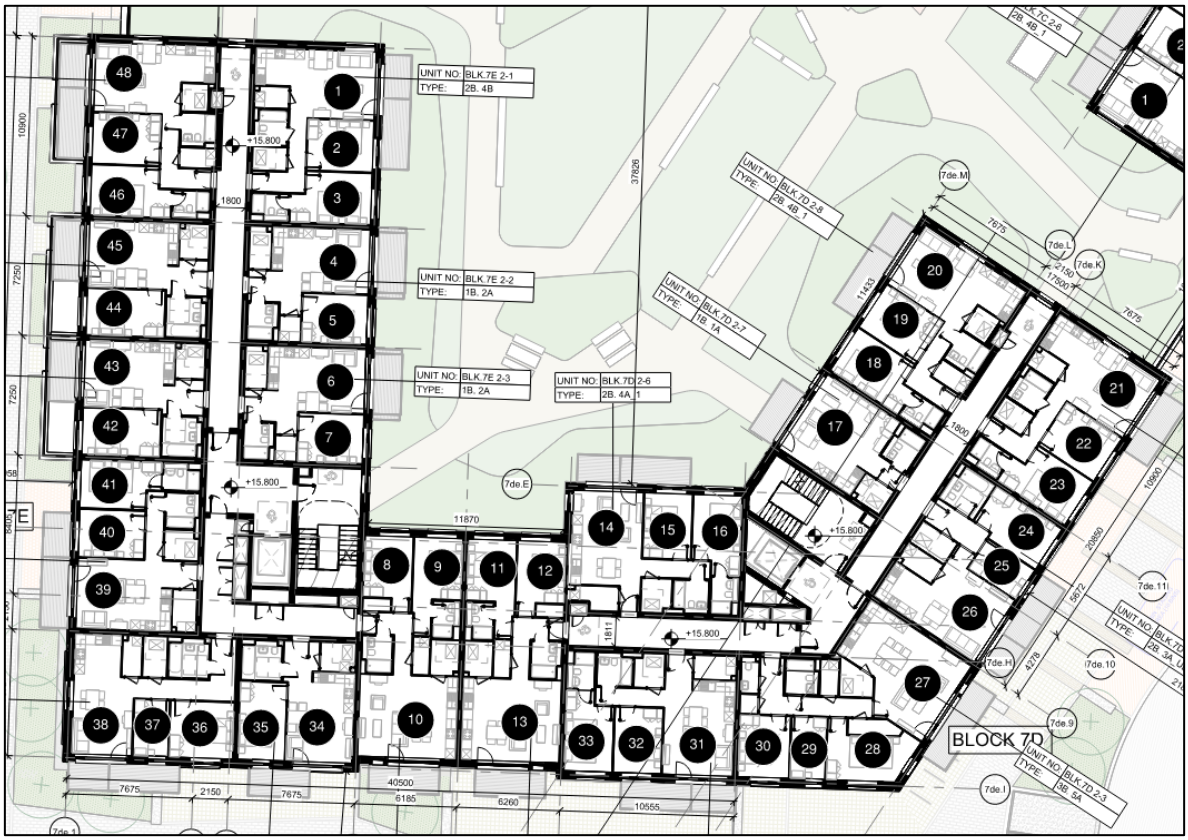


Figure 21: Zone 07 D & E Second Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	95%	Y
2	Bedroom	100%	Y	91%	Y
3	Bedroom	100%	Y	90%	Y
4	Liv/Din	100%	Y	64%	Y
5	Bedroom	100%	Y	74%	Y
6	Liv/Din	100%	Y	50%	Y
7	Bedroom	100%	Y	62%	Y
8	Bedroom	100%	Y	92%	Y
9	Bedroom	100%	Y	94%	Y
10	Liv/Din	98%	Y	98%	Y
11	Bedroom	100%	Y	100%	Y
12	Bedroom	100%	Y	99%	Y
13	Liv/Din	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
14	Liv/Din	100%	Y	80%	Y
15	Bedroom	100%	Y	93%	Y
16	Bedroom	98%	Y	95%	Y
17	Studio	100%	Y	75%	Y
18	Bedroom	100%	Y	92%	Y
19	Bedroom	100%	Y	97%	Y
20	Liv/Din	100%	Y	99%	Y
21	Liv/Din	100%	Y	98%	Y
22	Bedroom	100%	Y	100%	Y
23	Bedroom	100%	Y	100%	Y
24	Bedroom	100%	Y	100%	Y
25	Bedroom	100%	Y	80%	Y
26	Liv/Din	100%	Y	89%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
27	Liv/Din	100%	Y	91%	Y
28	Bedroom	100%	Y	100%	Y
29	Bedroom	100%	Y	100%	Y
30	Bedroom	100%	Y	100%	Y
31	Liv/Din	100%	Y	100%	Y
32	Bedroom	100%	Y	100%	Y
33	Bedroom	100%	Y	100%	Y
34	Liv/Din	100%	Y	100%	Y
35	Bedroom	100%	Y	99%	Y
36	Bedroom	100%	Y	100%	Y
37	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
38	Liv/Din	100%	Y	100%	Y
39	Liv/Din	100%	Y	100%	Y
40	Bedroom	100%	Y	100%	Y
41	Bedroom	100%	Y	100%	Y
42	Bedroom	100%	Y	96%	Y
43	Liv/Din	100%	Y	100%	Y
44	Bedroom	100%	Y	100%	Y
45	Liv/Din	100%	Y	93%	Y
46	Bedroom	100%	Y	100%	Y
47	Bedroom	100%	Y	100%	Y
48	Liv/Din	100%	Y	100%	Y

Table 20: BR209 Methodology Results (Zone 07 D & E Second Floor)

Legends



Figure 22: Zone 07 D & E Third Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	97%	Y
2	Bedroom	100%	Y	95%	Y
3	Bedroom	100%	Y	96%	Y
4	Liv/Din	100%	Y	88%	Y
5	Bedroom	100%	Y	90%	Y
6	Liv/Din	100%	Y	57%	Y
7	Bedroom	100%	Y	67%	Y
8	Bedroom	100%	Y	94%	Y
9	Bedroom	100%	Y	100%	Y
10	Liv/Din	98%	Y	98%	Y
11	Bedroom	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
13	Liv/Din	100%	Y	100%	Y
14	Bedroom	100%	Y	97%	Y
15	Bedroom	100%	Y	96%	Y
16	Liv/Din	98%	Y	95%	Y
17	Studio	100%	Y	87%	Y
18	Bedroom	100%	Y	96%	Y
19	Bedroom	100%	Y	94%	Y
20	Liv/Din	100%	Y	99%	Y
21	Liv/Din	100%	Y	100%	Y
22	Bedroom	100%	Y	100%	Y
23	Bedroom	100%	Y	100%	Y
24	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
25	Bedroom	100%	Y	98%	Y
26	Liv/Din	100%	Y	98%	Y
27	Liv/Din	100%	Y	92%	Y
28	Bedroom	100%	Y	100%	Y
29	Bedroom	100%	Y	100%	Y
30	Bedroom	100%	Y	100%	Y
31	Liv/Din	100%	Y	100%	Y
32	Bedroom	100%	Y	100%	Y
33	Bedroom	100%	Y	100%	Y
34	Liv/Din	100%	Y	100%	Y
35	Bedroom	100%	Y	99%	Y
36	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
37	Bedroom	100%	Y	100%	Y
38	Liv/Din	100%	Y	100%	Y
39	Liv/Din	100%	Y	100%	Y
40	Bedroom	100%	Y	100%	Y
41	Bedroom	100%	Y	100%	Y
42	Bedroom	100%	Y	100%	Y
43	Liv/Din	100%	Y	100%	Y
44	Bedroom	100%	Y	100%	Y
45	Liv/Din	100%	Y	98%	Y
46	Bedroom	100%	Y	100%	Y
47	Bedroom	100%	Y	100%	Y
48	Liv/Din	100%	Y	100%	Y

Table 21: BR209 Methodology Results (Zone 07 D & E Third Floor)

Legends



Figure 23: Zone 07 D & E Fourth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	99%	Y
4	Liv/Din	100%	Y	97%	Y
5	Bedroom	100%	Y	97%	Y
6	Liv/Din	100%	Y	88%	Y
7	Bedroom	100%	Y	90%	Y
8	Bedroom	100%	Y	99%	Y
9	Bedroom	100%	Y	100%	Y
10	Liv/Din	98%	Y	98%	Y
11	Bedroom	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
13	Liv/Din	100%	Y	100%	Y
14	Liv/Din	100%	Y	88%	Y
15	Bedroom	100%	Y	96%	Y
16	Bedroom	98%	Y	95%	Y
17	Studio	100%	Y	98%	Y
18	Bedroom	100%	Y	97%	Y
19	Bedroom	100%	Y	99%	Y
20	Liv/Din	100%	Y	99%	Y
21	Liv/Din	100%	Y	100%	Y
22	Bedroom	100%	Y	100%	Y
23	Bedroom	100%	Y	100%	Y
24	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
25	Bedroom	100%	Y	96%	Y
26	Liv/Din	100%	Y	100%	Y
27	Liv/Din	100%	Y	99%	Y
28	Bedroom	100%	Y	100%	Y
29	Bedroom	100%	Y	100%	Y
30	Bedroom	100%	Y	100%	Y
31	Liv/Din	100%	Y	100%	Y
32	Bedroom	100%	Y	100%	Y
33	Bedroom	100%	Y	100%	Y
34	Liv/Din	100%	Y	100%	Y
35	Bedroom	100%	Y	99%	Y
36	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
37	Bedroom	100%	Y	100%	Y
38	Liv/Din	100%	Y	100%	Y
39	Liv/Din	100%	Y	100%	Y
40	Bedroom	100%	Y	100%	Y
41	Bedroom	100%	Y	100%	Y
42	Bedroom	100%	Y	100%	Y
43	Liv/Din	100%	Y	100%	Y
44	Bedroom	100%	Y	100%	Y
45	Liv/Din	100%	Y	100%	Y
46	Bedroom	100%	Y	100%	Y
47	Bedroom	100%	Y	100%	Y
48	Liv/Din	100%	Y	100%	Y

Table 22: BR209 Methodology Results (Zone 07 D & E Fourth Floor)

Legends



Figure 24: Zone 07 D & E Fifth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Liv/Din	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Liv/Din	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	100%	Y	100%	Y
9	Bedroom	100%	Y	96%	Y
10	Bedroom	100%	Y	96%	Y
11	Studio	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
13	Bedroom	100%	Y	100%	Y
14	Liv/Din	100%	Y	100%	Y
15	Liv/Din	100%	Y	100%	Y
16	Bedroom	100%	Y	100%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Bedroom	100%	Y	100%	Y
20	Liv/Din	100%	Y	100%	Y
21	Liv/Din	100%	Y	100%	Y
22	Bedroom	100%	Y	100%	Y
23	Bedroom	100%	Y	100%	Y
24	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
25	Liv/Din	100%	Y	100%	Y
26	Bedroom	100%	Y	100%	Y
27	Bedroom	100%	Y	100%	Y
28	Liv/Din	100%	Y	100%	Y
29	Bedroom	100%	Y	100%	Y
30	Bedroom	100%	Y	100%	Y
31	Bedroom	100%	Y	100%	Y
32	Liv/Din	100%	Y	100%	Y
33	Liv/Din	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
34	Bedroom	100%	Y	100%	Y
35	Bedroom	100%	Y	100%	Y
36	Bedroom	100%	Y	100%	Y
37	Liv/Din	100%	Y	100%	Y
38	Bedroom	100%	Y	100%	Y
39	Liv/Din	100%	Y	100%	Y
40	Bedroom	100%	Y	100%	Y
41	Bedroom	100%	Y	100%	Y
42	Liv/Din	100%	Y	100%	Y

Table 23: BR209 Methodology Results (Zone 07 D & E Fifth Floor)

Legends

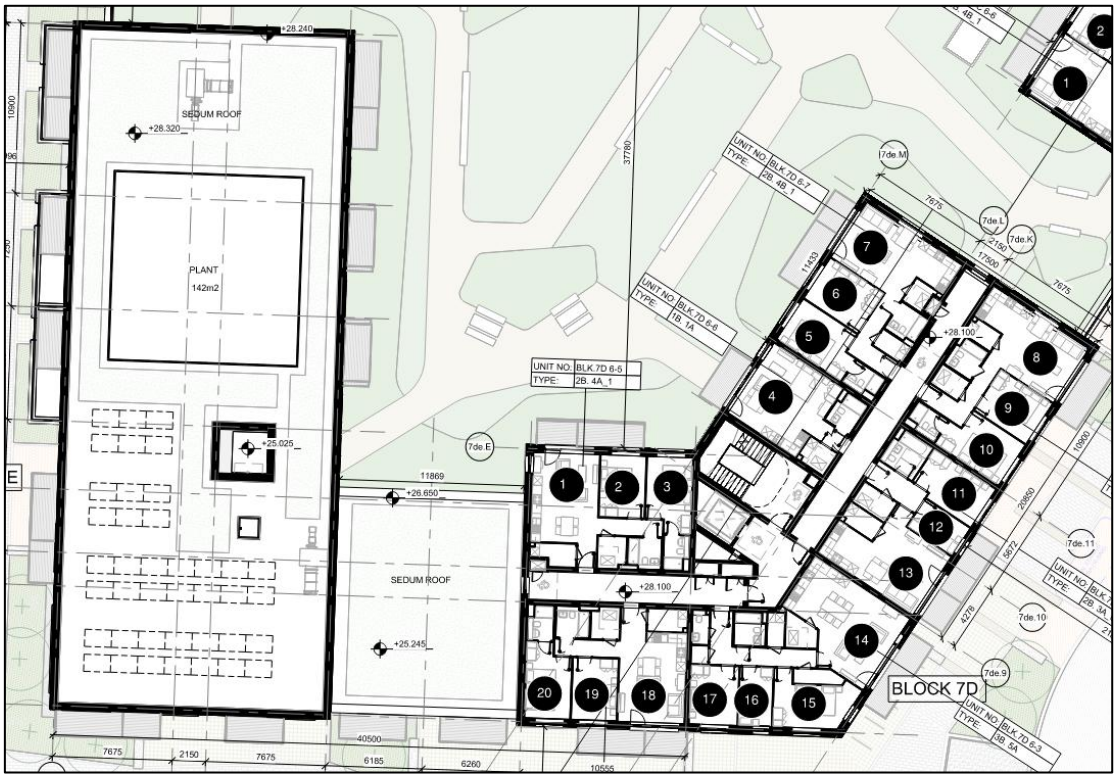


Figure 25: Zone 07 D & E Sixth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Bedroom	100%	Y	100%	Y
2	Bedroom	100%	Y	98%	Y
3	Liv/Din	100%	Y	97%	Y
4	Studio	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Bedroom	100%	Y	100%	Y
7	Liv/Din	100%	Y	100%	Y
8	Liv/Din	100%	Y	100%	Y
9	Bedroom	100%	Y	100%	Y
10	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
11	Bedroom	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y
13	Liv/Din	100%	Y	100%	Y
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Bedroom	100%	Y	100%	Y
17	Bedroom	100%	Y	100%	Y
18	Liv/Din	100%	Y	100%	Y
19	Bedroom	100%	Y	100%	Y
20	Bedroom	100%	Y	100%	Y

Table 24: BR209 Methodology Results (Zone 07 D & E Sixth Floor)

Legends



Figure 26: Zone 07 F First Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	97%	Y
3	Liv/Din	100%	Y	90%	Y
4	Bedroom	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Bedroom	100%	Y	100%	Y
7	Bedroom	100%	Y	96%	Y
8	Liv/Din	100%	Y	83%	Y
9	Bedroom	100%	Y	55%	Y
10	Liv/Din	100%	Y	98%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
11	Liv/Din	100%	Y	89%	Y
12	Bedroom	100%	Y	88%	Y
13	Bedroom	100%	Y	87%	Y
14	Liv/Din	100%	Y	74%	Y
15	Bedroom	100%	Y	94%	Y
16	Bedroom	100%	Y	70%	Y
17	Liv/Din	100%	Y	75%	Y
18	Bedroom	100%	Y	99%	Y
19	Bedroom	100%	Y	100%	Y
20	Liv/Din	100%	Y	100%	Y

Table 25: BR209 Methodology Results (Zone 07 F First Floor)

Legends

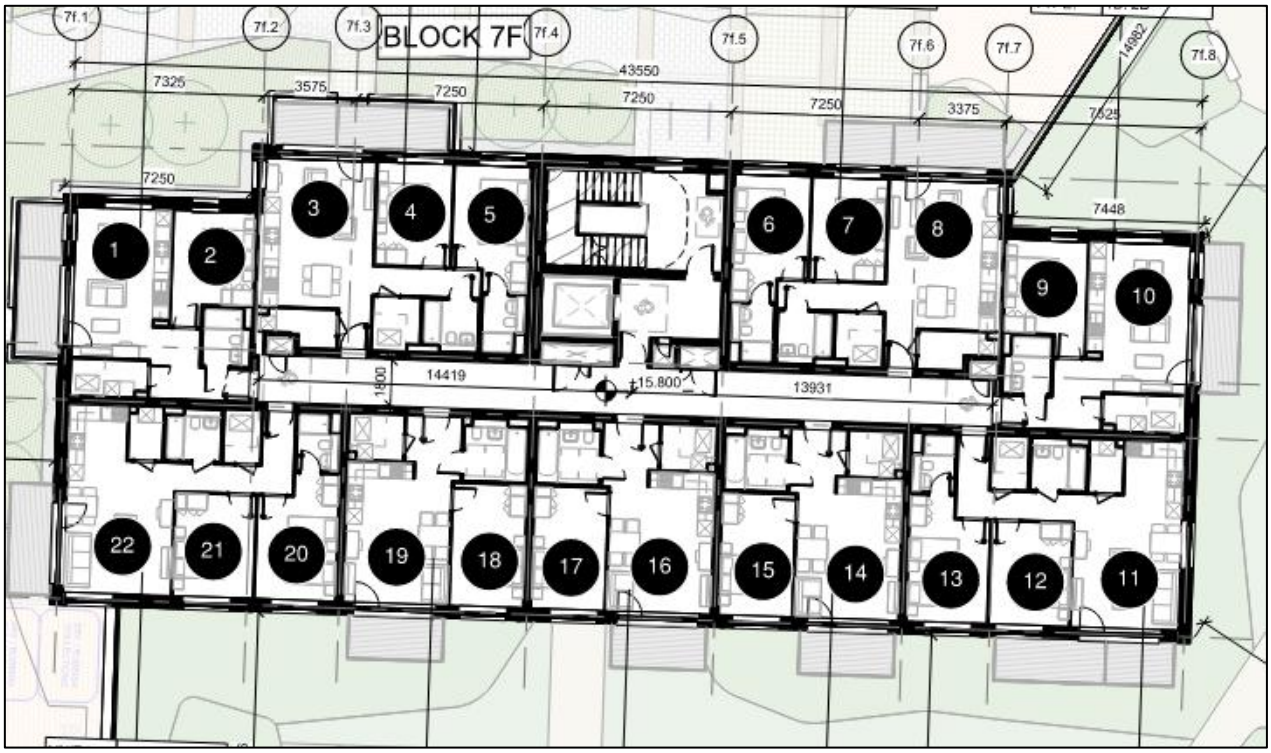


Figure 27: Zone 07 F Second Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	99%	Y
3	Liv/Din	100%	Y	91%	Y
4	Bedroom	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Bedroom	100%	Y	100%	Y
7	Bedroom	100%	Y	96%	Y
8	Liv/Din	100%	Y	86%	Y
9	Bedroom	100%	Y	72%	Y
10	Liv/Din	100%	Y	100%	Y
11	Liv/Din	100%	Y	94%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Bedroom	100%	Y	100%	Y
13	Bedroom	100%	Y	99%	Y
14	Liv/Din	100%	Y	98%	Y
15	Bedroom	100%	Y	97%	Y
16	Liv/Din	100%	Y	96%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Liv/Din	100%	Y	70%	Y
20	Bedroom	100%	Y	97%	Y
21	Bedroom	100%	Y	97%	Y
22	Liv/Din	100%	Y	100%	Y

Table 26: BR209 Methodology Results (Zone 07 F Second Floor)

Legends

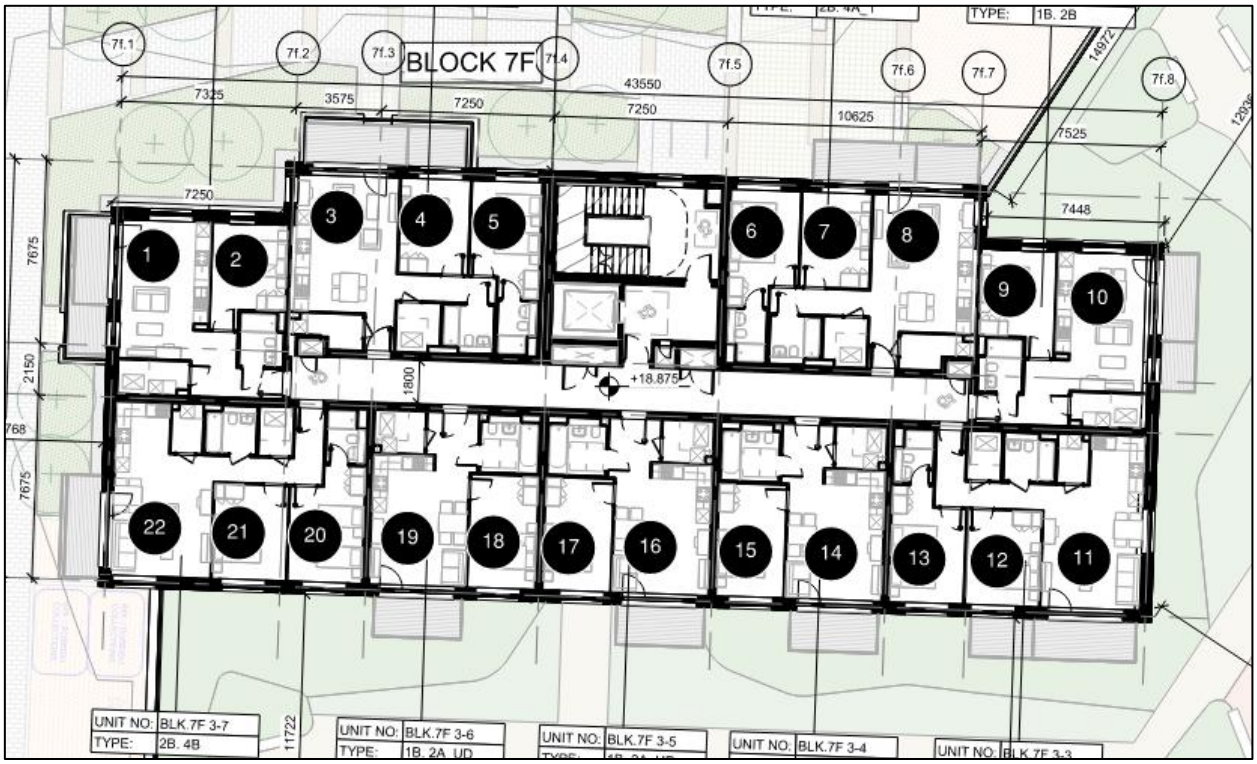


Figure 28: Zone 07 F Third Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	97%	Y
3	Liv/Din	100%	Y	89%	Y
4	Bedroom	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Bedroom	100%	Y	100%	Y
7	Bedroom	100%	Y	96%	Y
8	Liv/Din	100%	Y	88%	Y
9	Bedroom	100%	Y	76%	Y
10	Liv/Din	100%	Y	100%	Y
11	Liv/Din	100%	Y	98%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Bedroom	100%	Y	100%	Y
13	Bedroom	100%	Y	97%	Y
14	Liv/Din	100%	Y	98%	Y
15	Bedroom	100%	Y	100%	Y
16	Liv/Din	100%	Y	99%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Liv/Din	100%	Y	80%	Y
20	Bedroom	100%	Y	97%	Y
21	Bedroom	100%	Y	100%	Y
22	Liv/Din	100%	Y	100%	Y

Table 27: BR209 Methodology Results (Zone 07 F Third Floor)

Legends

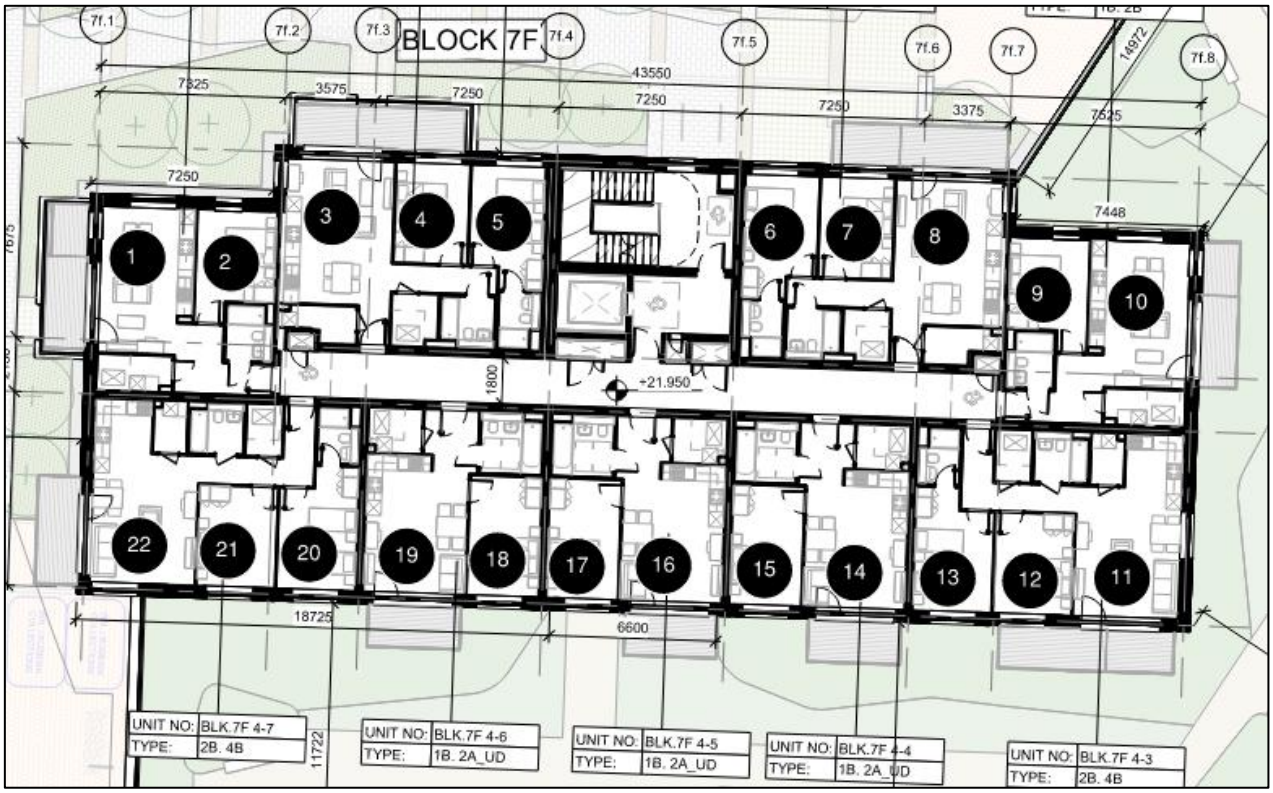


Figure 29: Zone 07 F Fourth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	96%	Y
3	Liv/Din	100%	Y	90%	Y
4	Bedroom	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Bedroom	100%	Y	100%	Y
7	Bedroom	100%	Y	98%	Y
8	Liv/Din	100%	Y	91%	Y
9	Bedroom	100%	Y	88%	Y
10	Liv/Din	100%	Y	100%	Y
11	Liv/Din	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Bedroom	100%	Y	100%	Y
13	Bedroom	100%	Y	100%	Y
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Liv/Din	100%	Y	100%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Liv/Din	100%	Y	100%	Y
20	Bedroom	100%	Y	100%	Y
21	Bedroom	100%	Y	100%	Y
22	Liv/Din	100%	Y	100%	Y

Table 28: BR209 Methodology Results (Zone 07 F Fourth Floor)

Legends



Figure 30: Zone 08 Ground Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	75%	Y
3	Liv/Din	100%	Y	71%	Y
4	Bedroom	100%	Y	57%	Y
5	Bedroom	100%	Y	80%	Y
6	Bedroom	100%	Y	96%	Y
7	Bedroom	100%	Y	97%	Y
8	Liv/Din	100%	Y	100%	Y
9	Liv/Din	100%	Y	76%	Y
10	Bedroom	100%	Y	96%	Y
11	Bedroom	100%	Y	74%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Liv/Din	100%	Y	100%	Y
13	Bedroom	100%	Y	65%	Y
14	Liv/Din	100%	Y	74%	Y
15	Bedroom	100%	Y	92%	Y
16	Bedroom	100%	Y	77%	Y
17	Bedroom	100%	Y	92%	Y
18	Liv/Din	100%	Y	70%	Y
21	Bedroom	100%	Y	69%	Y
22	Liv/Din	100%	Y	32%	N
23	Bedroom	100%	Y	58%	Y
24	Liv/Din	100%	Y	48%	N

Table 29: BR209 Methodology Results (Zone 08 Ground Floor)

Compensatory measures for unit failing daylight criteria

- Both units are 10% oversized.
- Both units benefit from larger private terrace on ground floor.

Legends



Figure 31: Zone 08 A First Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	83%	Y
3	Liv/Din	100%	Y	82%	Y
4	Bedroom	100%	Y	96%	Y
5	Bedroom	100%	Y	97%	Y
6	Studio	100%	Y	95%	Y
7	Studio	100%	Y	100%	Y
8	Bedroom	100%	Y	70%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
9	Bedroom	100%	Y	82%	Y
10	Liv/Din	93%	N	46%	N
11	Studio	100%	Y	81%	Y
12	Studio	100%	Y	97%	Y
13	Bedroom	100%	Y	61%	Y
14	Bedroom	100%	Y	50%	Y
15	Liv/Din	100%	Y	85%	Y

Table 30: BR209 Methodology Results (Zone 08 A First Floor)

Compensatory measures for unit failing daylight criteria

- This is dual aspect unit.
- Unit has bigger private terrace on 1st floor.

Legends

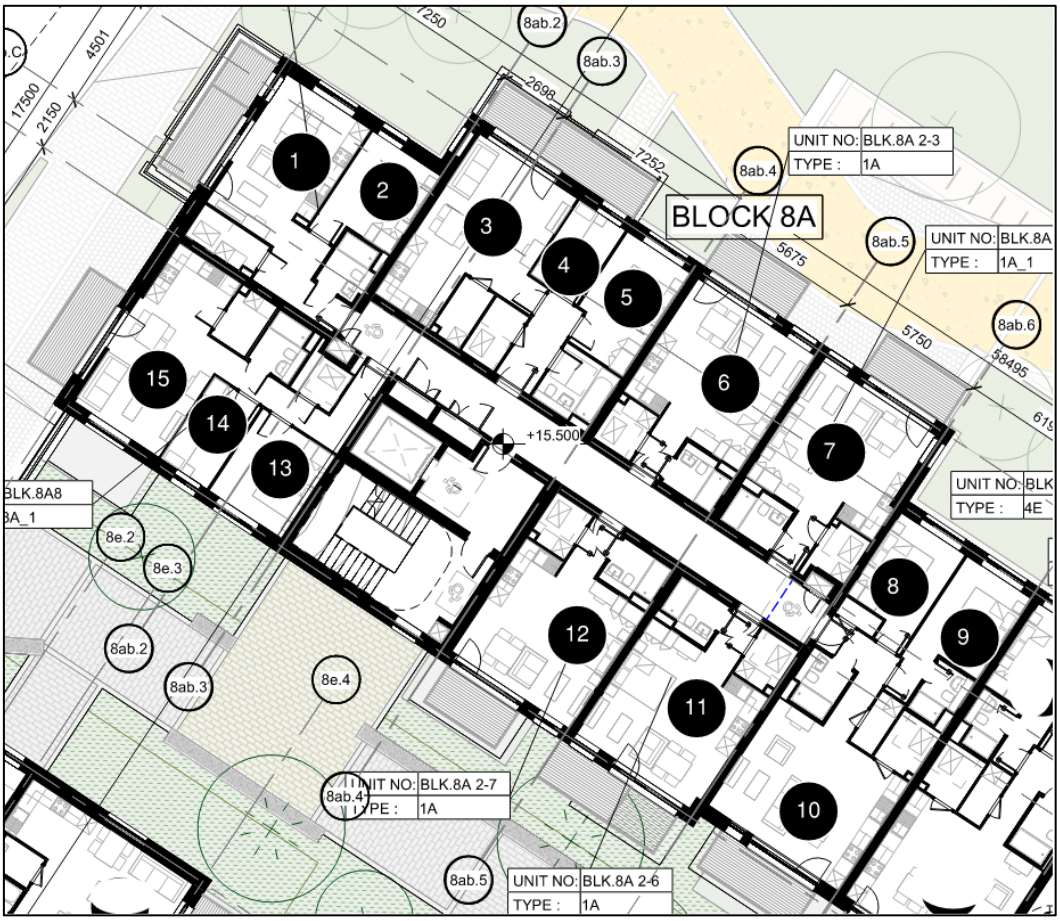


Figure 32: Zone 08 A Second Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	97%	Y	80%	Y
3	Liv/Din	100%	Y	100%	Y
4	Bedroom	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Studio	100%	Y	92%	Y
7	Studio	100%	Y	97%	Y
8	Bedroom	100%	Y	95%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
9	Bedroom	100%	Y	100%	Y
10	Liv/Din	99%	Y	56%	Y
11	Studio	100%	Y	99%	Y
12	Studio	100%	Y	98%	Y
13	Bedroom	100%	Y	74%	Y
14	Bedroom	100%	Y	53%	Y
15	Liv/Din	100%	Y	82%	Y

Table 31: BR209 Methodology Results (Zone 08 A Second Floor)

Legends

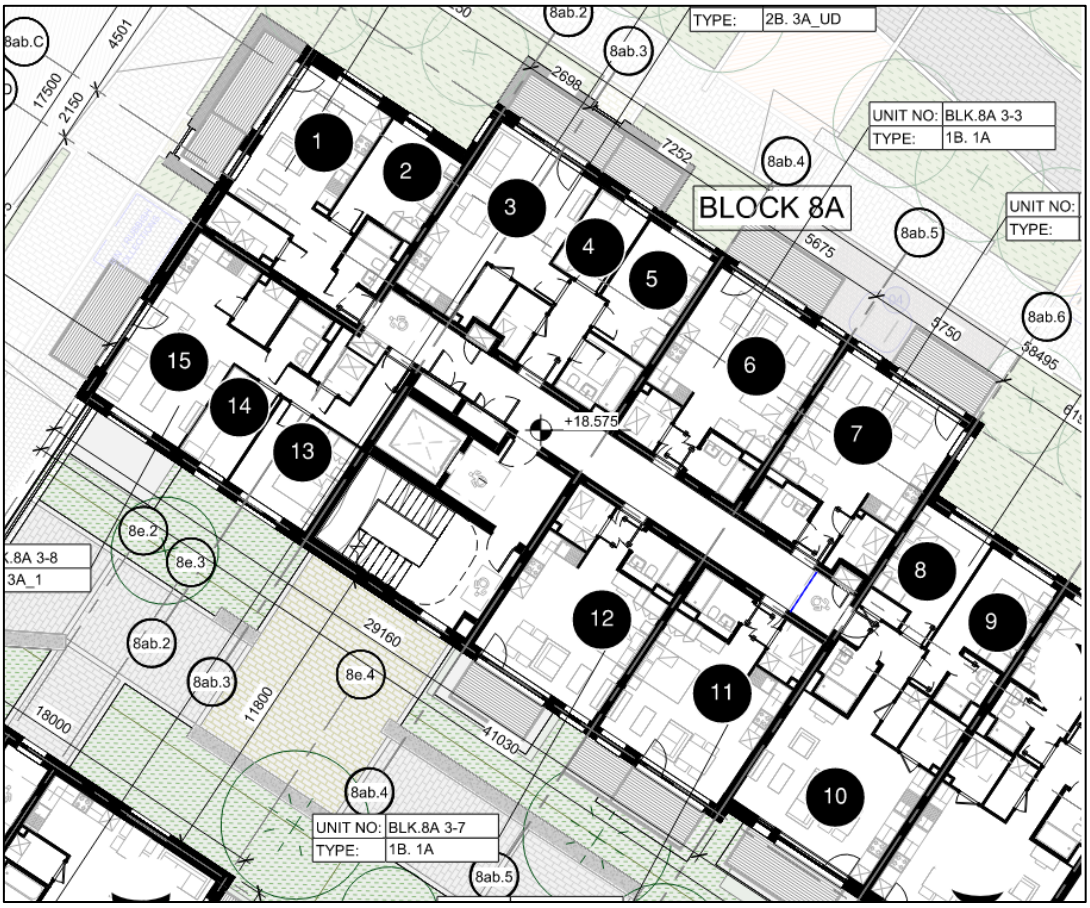


Figure 33: Zone 08 A Third Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Liv/Din	100%	Y	99%	Y
4	Bedroom	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Studio	100%	Y	97%	Y
7	Studio	100%	Y	100%	Y
8	Bedroom	100%	Y	95%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
9	Bedroom	100%	Y	94%	Y
10	Liv/Din	99%	Y	65%	Y
11	Studio	100%	Y	99%	Y
12	Studio	100%	Y	96%	Y
13	Bedroom	100%	Y	73%	Y
14	Bedroom	100%	Y	61%	Y
15	Liv/Din	100%	Y	87%	Y

Table 32: BR209 Methodology Results (Zone 08 A Third Floor)

Legends



Figure 34: Zone 08 A Fourth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	97%	Y	89%	Y
3	Liv/Din	100%	Y	100%	Y
4	Bedroom	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Studio	100%	Y	100%	Y
7	Studio	100%	Y	100%	Y
8	Bedroom	100%	Y	98%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
9	Bedroom	100%	Y	100%	Y
10	Liv/Din	100%	Y	71%	Y
11	Studio	100%	Y	100%	Y
12	Studio	100%	Y	100%	Y
13	Bedroom	100%	Y	86%	Y
14	Bedroom	100%	Y	77%	Y
15	Liv/Din	100%	Y	89%	Y

Table 33: BR209 Methodology Results (Zone 08 A Fourth Floor)

Legends

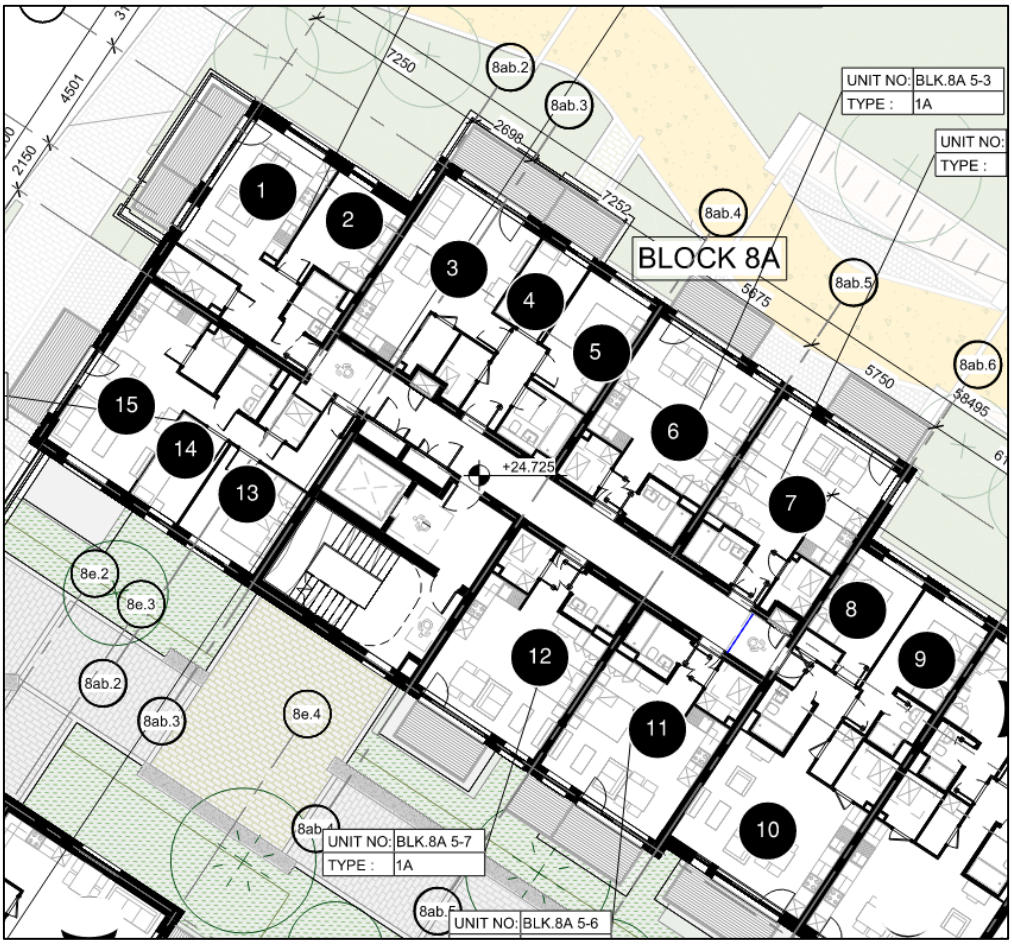


Figure 35: Zone 08 A Fifth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Liv/Din	100%	Y	92%	Y
4	Bedroom	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Studio	100%	Y	100%	Y
7	Studio	100%	Y	100%	Y
8	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
9	Bedroom	100%	Y	100%	Y
10	Liv/Din	100%	Y	77%	Y
11	Studio	100%	Y	100%	Y
12	Studio	100%	Y	99%	Y
13	Bedroom	100%	Y	100%	Y
14	Bedroom	100%	Y	100%	Y
15	Liv/Din	100%	Y	94%	Y

Table 34: BR209 Methodology Results (Zone 08 A Fifth Floor)

Legends



Figure 36: Zone 08 A Sixth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	97%	Y	93%	Y
3	Liv/Din	100%	Y	100%	Y
4	Bedroom	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Studio	100%	Y	100%	Y
7	Studio	100%	Y	100%	Y
8	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
9	Bedroom	100%	Y	100%	Y
10	Liv/Din	100%	Y	99%	Y
11	Studio	100%	Y	100%	Y
12	Studio	100%	Y	100%	Y
13	Bedroom	100%	Y	100%	Y
14	Bedroom	100%	Y	100%	Y
15	Liv/Din	100%	Y	100%	Y

Table 35: BR209 Methodology Results (Zone 08 A Sixth Floor)

Legends



Figure 37: Zone 08 B First Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	97%	Y	39%	N
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	98%	Y
4	Liv/Din	100%	Y	83%	Y
5	Bedroom	100%	Y	100%	Y
6	Bedroom	100%	Y	98%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	100%	Y	100%	Y
9	Liv/Din	100%	Y	97%	Y
10	Bedroom	100%	Y	100%	Y
11	Bedroom	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
13	Liv/Din	100%	Y	98%	Y
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Bedroom	100%	Y	100%	Y
17	Bedroom	100%	Y	100%	Y
18	Liv/Din	100%	Y	95%	Y
19	Liv/Din	100%	Y	90%	Y
20	Bedroom	100%	Y	58%	Y
21	Bedroom	97%	Y	54%	Y
22	Bedroom	100%	Y	33%	N
23	Liv/Din	100%	Y	50%	Y

Table 36: BR209 Methodology Results (Zone 08 B First Floor)

Compensatory measures for unit failing daylight criteria

- Room 1 is located within a dual-aspect unit
- Room 22 is part of a unit that is 10% oversized.
- Both units benefit from larger private terrace on first floor.

Legends

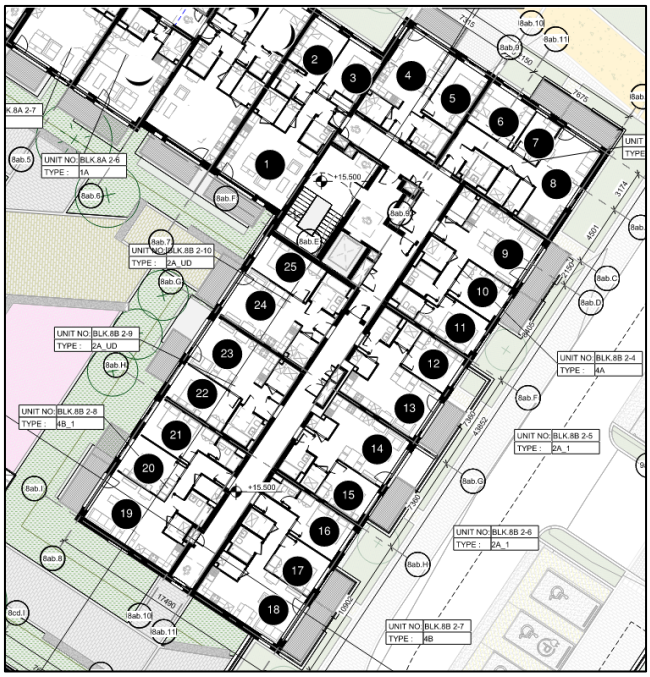


Figure 38: Zone 08 B Second Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	51%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Liv/Din	100%	Y	100%	Y
5	Bedroom	100%	Y	99%	Y
6	Bedroom	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	100%	Y	100%	Y
9	Liv/Din	80%	Y	79%	Y
10	Bedroom	100%	Y	100%	Y
11	Bedroom	100%	Y	98%	Y
12	Bedroom	100%	Y	100%	Y
13	Liv/Din	100%	Y	98%	Y
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	100%	Y	98%	Y
16	Bedroom	100%	Y	98%	Y
17	Bedroom	100%	Y	100%	Y
18	Liv/Din	100%	Y	96%	Y
19	Liv/Din	100%	Y	90%	Y
20	Bedroom	100%	Y	66%	Y
21	Bedroom	100%	Y	81%	Y
22	Bedroom	100%	Y	56%	Y
23	Liv/Din	100%	Y	55%	Y
24	Liv/Din	98%	Y	43%	N
25	Bedroom	97%	Y	54%	Y

Table 37: BR209 Methodology Results (Zone 08 B Second Floor)

Compensatory measures for unit failing daylight criteria

- Unit is 10% oversized.

Legends

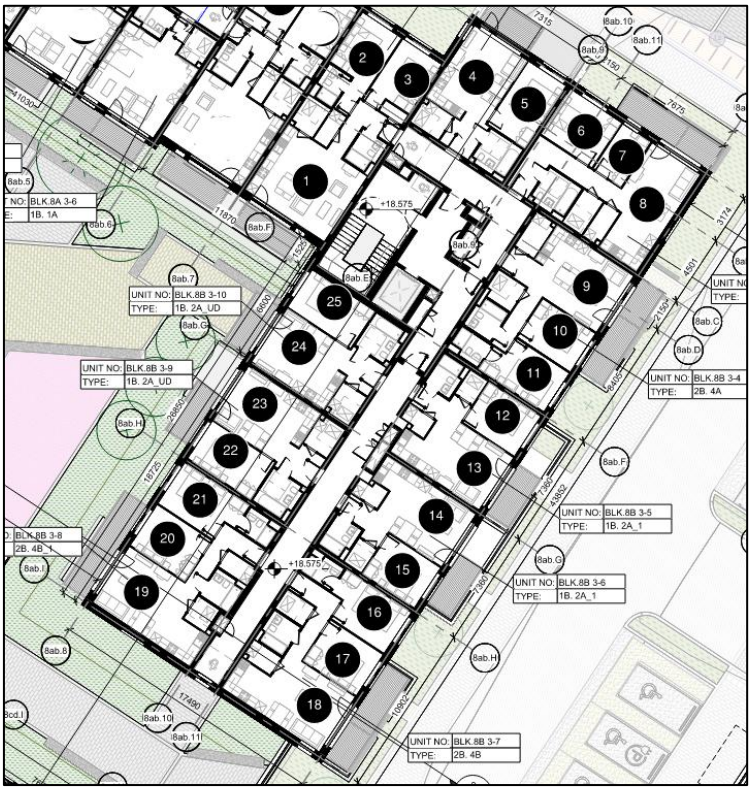


Figure 39: Zone 08 B Third Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	97%	Y	60%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Liv/Din	100%	Y	100%	Y
5	Bedroom	100%	Y	97%	Y
6	Bedroom	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	100%	Y	100%	Y
9	Liv/Din	100%	Y	99%	Y
10	Bedroom	100%	Y	100%	Y
11	Bedroom	100%	Y	99%	Y
12	Bedroom	100%	Y	100%	Y
13	Liv/Din	100%	Y	97%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	100%	Y	98%	Y
16	Bedroom	100%	Y	98%	Y
17	Bedroom	100%	Y	100%	Y
18	Liv/Din	100%	Y	96%	Y
19	Liv/Din	100%	Y	88%	Y
20	Bedroom	100%	Y	93%	Y
21	Bedroom	99%	Y	83%	Y
22	Bedroom	100%	Y	60%	Y
23	Liv/Din	100%	Y	71%	Y
24	Liv/Din	100%	Y	50%	Y
25	Bedroom	96%	Y	68%	Y

Table 38: BR209 Methodology Results (Zone 08 B Third Floor)

Legends

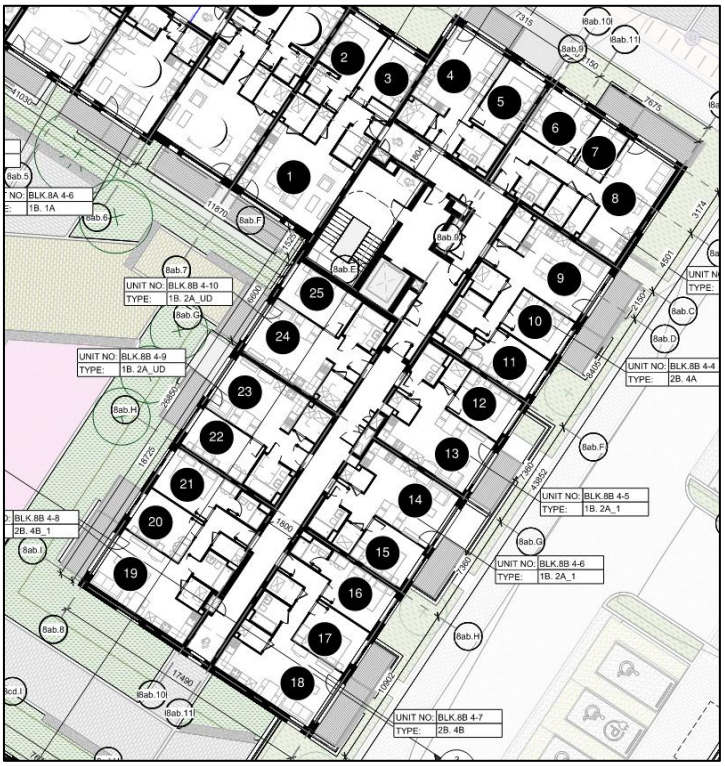


Figure 40: Zone 08 B Fourth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	70%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Liv/Din	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Bedroom	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	100%	Y	100%	Y
9	Liv/Din	100%	Y	99%	Y
10	Bedroom	100%	Y	100%	Y
11	Bedroom	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y
13	Liv/Din	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Bedroom	100%	Y	100%	Y
17	Bedroom	100%	Y	100%	Y
18	Liv/Din	100%	Y	94%	Y
19	Liv/Din	100%	Y	92%	Y
20	Bedroom	100%	Y	78%	Y
21	Bedroom	100%	Y	89%	Y
22	Bedroom	100%	Y	84%	Y
23	Liv/Din	100%	Y	76%	Y
24	Liv/Din	100%	Y	64%	Y
25	Bedroom	100%	Y	72%	Y

Table 39: BR209 Methodology Results (Zone 08 B Fourth Floor)

Legends



Figure 41: Zone 08 B Fifth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	84%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Liv/Din	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Bedroom	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	100%	Y	100%	Y
9	Liv/Din	100%	Y	99%	Y
10	Bedroom	100%	Y	100%	Y
11	Bedroom	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y
13	Liv/Din	100%	Y	100%	Y
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Bedroom	100%	Y	97%	Y
17	Bedroom	100%	Y	100%	Y
18	Liv/Din	100%	Y	98%	Y
19	Liv/Din	100%	Y	92%	Y
20	Bedroom	100%	Y	97%	Y
21	Bedroom	100%	Y	93%	Y
22	Bedroom	100%	Y	80%	Y
23	Liv/Din	100%	Y	86%	Y
24	Liv/Din	100%	Y	73%	Y
25	Bedroom	100%	Y	82%	Y

Table 40: BR209 Methodology Results (Zone 08 B Fifth Floor)

Legends

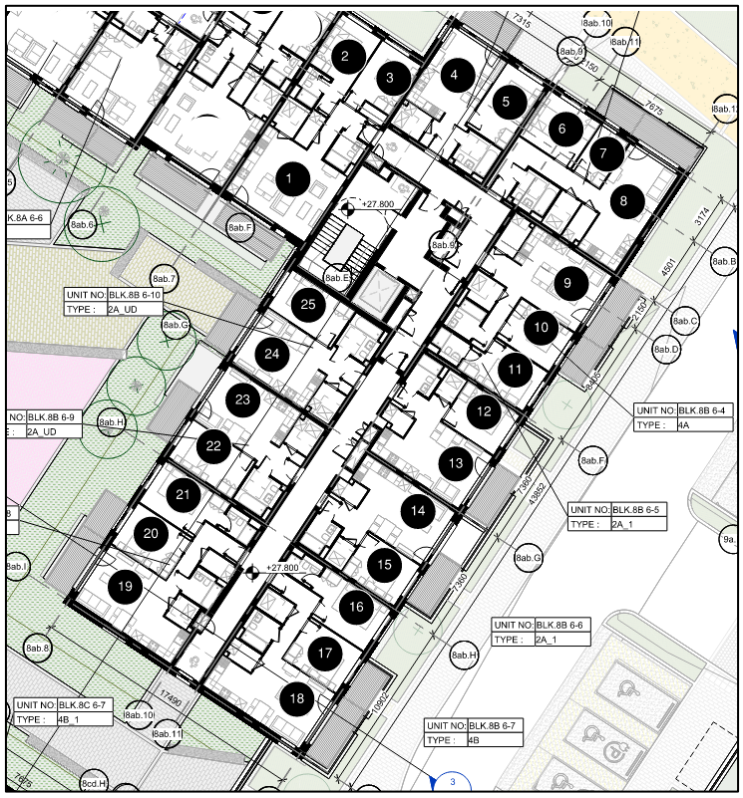


Figure 42: Zone 08 B Sixth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	98%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Liv/Din	100%	Y	100%	Y
5	Bedroom	100%	Y	100%	Y
6	Bedroom	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	100%	Y	100%	Y
9	Liv/Din	100%	Y	99%	Y
10	Bedroom	100%	Y	100%	Y
11	Bedroom	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y
13	Liv/Din	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Bedroom	100%	Y	100%	Y
17	Bedroom	100%	Y	100%	Y
18	Liv/Din	100%	Y	98%	Y
19	Liv/Din	100%	Y	97%	Y
20	Bedroom	100%	Y	94%	Y
21	Bedroom	100%	Y	96%	Y
22	Bedroom	100%	Y	95%	Y
23	Liv/Din	100%	Y	95%	Y
24	Liv/Din	100%	Y	88%	Y
25	Bedroom	100%	Y	93%	Y

Table 41: BR209 Methodology Results (Zone 08 B Sixth Floor)

Legends



Figure 43: Zone 08 B Seventh Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	100%	Y
4	Bedroom	100%	Y	100%	Y
5	Liv/Din	100%	Y	100%	Y
6	Liv/Din	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y
8	Bedroom	100%	Y	100%	Y
9	Bedroom	100%	Y	100%	Y
10	Liv/Din	100%	Y	100%	Y
11	Liv/Din	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Bedroom	100%	Y	100%	Y
13	Bedroom	100%	Y	100%	Y
14	Bedroom	100%	Y	100%	Y
15	Liv/Din	100%	Y	98%	Y
16	Liv/Din	100%	Y	100%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	95%	Y
19	Bedroom	100%	Y	100%	Y
20	Liv/Din	100%	Y	98%	Y
21	Liv/Din	100%	Y	99%	Y
22	Bedroom	100%	Y	98%	Y

Table 42: BR209 Methodology Results (Zone 08 B Seventh Floor)

Legends



Figure 44: Zone 08 C First Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Bedroom	100%	Y	62%	Y
2	Bedroom	100%	Y	54%	Y
3	Liv/Din	100%	Y	81%	Y
4	Liv/Din	100%	Y	87%	Y
5	Bedroom	100%	Y	100%	Y
6	Bedroom	100%	Y	100%	Y
7	Liv/Din	100%	Y	97%	Y
8	Bedroom	100%	Y	95%	Y
9	Bedroom	100%	Y	100%	Y
10	Liv/Din	100%	Y	98%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
11	Bedroom	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y
13	Liv/Din	100%	Y	88%	Y
14	Bedroom	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Liv/Din	100%	Y	94%	Y
17	Bedroom	100%	Y	84%	Y
18	Bedroom	100%	Y	75%	Y
19	Liv/Din	100%	Y	59%	Y
20	Bedroom	96%	Y	59%	Y

Table 43: BR209 Methodology Results (Zone 08 C First Floor)

Legends



Figure 45: Zone 08 C Second Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Studio	99%	Y	59%	Y
2	Bedroom	100%	Y	81%	Y
3	Bedroom	100%	Y	83%	Y
4	Liv/Din	100%	Y	80%	Y
5	Liv/Din	100%	Y	96%	Y
6	Bedroom	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	100%	Y	99%	Y
9	Bedroom	100%	Y	100%	Y
10	Bedroom	100%	Y	100%	Y
11	Liv/Din	100%	Y	98%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Bedroom	100%	Y	100%	Y
13	Bedroom	100%	Y	100%	Y
14	Liv/Din	100%	Y	96%	Y
15	Bedroom	100%	Y	100%	Y
16	Bedroom	100%	Y	100%	Y
17	Liv/Din	100%	Y	95%	Y
18	Bedroom	100%	Y	98%	Y
19	Bedroom	100%	Y	87%	Y
20	Liv/Din	100%	Y	68%	Y
21	Bedroom	100%	Y	75%	Y

Table 44: BR209 Methodology Results (Zone 08 C Second Floor)

Legends



Figure 46: Zone 08 C Third Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Studio	99%	Y	67%	Y
2	Bedroom	100%	Y	94%	Y
3	Bedroom	100%	Y	81%	Y
4	Liv/Din	100%	Y	78%	Y
5	Liv/Din	100%	Y	100%	Y
6	Bedroom	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	100%	Y	99%	Y
9	Bedroom	100%	Y	98%	Y
10	Bedroom	100%	Y	100%	Y
11	Liv/Din	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Bedroom	100%	Y	100%	Y
13	Bedroom	100%	Y	100%	Y
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Bedroom	100%	Y	99%	Y
17	Liv/Din	100%	Y	98%	Y
18	Bedroom	100%	Y	95%	Y
19	Bedroom	100%	Y	91%	Y
20	Liv/Din	100%	Y	80%	Y
21	Bedroom	100%	Y	93%	Y

Table 45: BR209 Methodology Results (Zone 08 C Third Floor)

Legends



Figure 47: Zone 08 C Fourth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Studio	99%	Y	92%	Y
2	Bedroom	100%	Y	82%	Y
3	Bedroom	100%	Y	92%	Y
4	Liv/Din	100%	Y	93%	Y
5	Liv/Din	100%	Y	97%	Y
6	Bedroom	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	99%	Y	99%	Y
9	Bedroom	100%	Y	95%	Y
10	Bedroom	100%	Y	83%	Y
11	Liv/Din	100%	Y	97%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Bedroom	100%	Y	100%	Y
13	Bedroom	100%	Y	81%	Y
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Bedroom	100%	Y	100%	Y
17	Liv/Din	100%	Y	100%	Y
18	Bedroom	100%	Y	95%	Y
19	Bedroom	100%	Y	100%	Y
20	Liv/Din	100%	Y	76%	Y
21	Bedroom	98%	Y	96%	Y

Table 46: BR209 Methodology Results (Zone 08 C Fourth Floor)

Legends



Figure 48: Zone 08 C Fifth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Studio	99%	Y	97%	Y
2	Bedroom	100%	Y	97%	Y
3	Bedroom	100%	Y	96%	Y
4	Liv/Din	100%	Y	96%	Y
5	Liv/Din	100%	Y	100%	Y
6	Bedroom	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	100%	Y	100%	Y
9	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
10	Bedroom	100%	Y	100%	Y
11	Liv/Din	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y
13	Bedroom	100%	Y	100%	Y
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Bedroom	100%	Y	100%	Y
17	Liv/Din	100%	Y	100%	Y
18	Bedroom	100%	Y	96%	Y

Table 47: BR209 Methodology Results (Zone 08 C Fifth Floor)

Legends



Figure 49: Zone 08 C Sixth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Studio	99%	Y	97%	Y
2	Bedroom	100%	Y	97%	Y
3	Bedroom	100%	Y	97%	Y
4	Liv/Din	100%	Y	100%	Y
5	Liv/Din	100%	Y	100%	Y
6	Bedroom	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	100%	Y	100%	Y
9	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
10	Bedroom	100%	Y	100%	Y
11	Liv/Din	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y
13	Bedroom	100%	Y	100%	Y
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Bedroom	100%	Y	100%	Y
17	Liv/Din	100%	Y	100%	Y
18	Bedroom	100%	Y	95%	Y

Table 48: BR209 Methodology Results (Zone 08 C Sixth Floor)

Legends

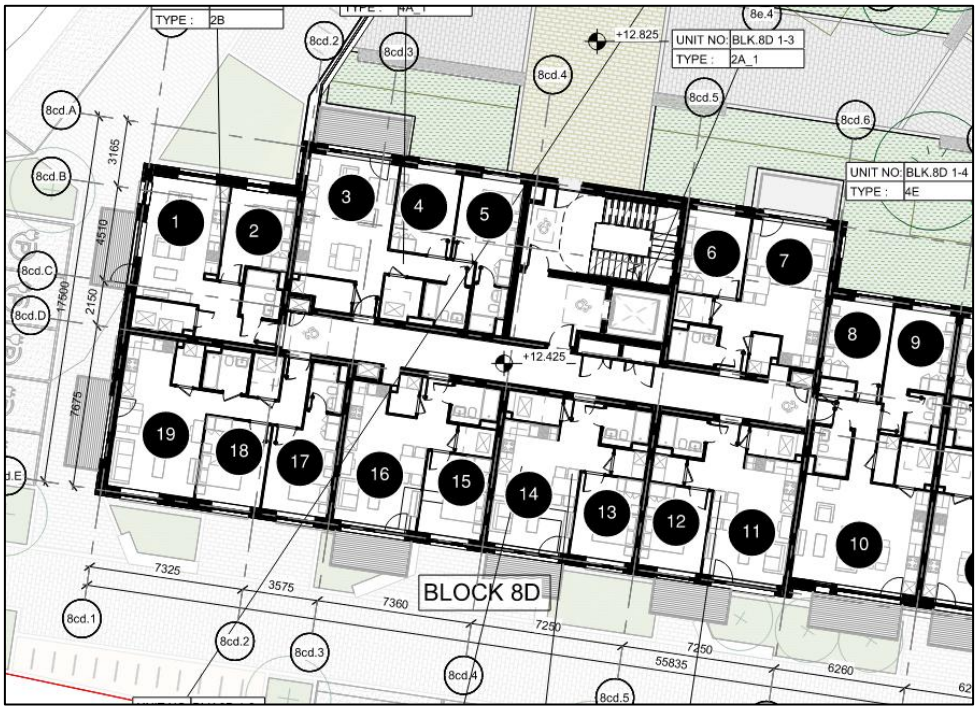


Figure 50: Zone 08 D First Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	49%	N
3	Liv/Din	100%	Y	72%	Y
4	Bedroom	100%	Y	53%	Y
5	Bedroom	100%	Y	61%	Y
6	Bedroom	100%	Y	67%	Y
7	Liv/Din	100%	Y	59%	Y
8	Bedroom	100%	Y	51%	Y
9	Bedroom	100%	Y	67%	Y
10	Liv/Din	100%	Y	87%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
11	Liv/Din	99%	Y	83%	Y
12	Bedroom	100%	Y	69%	Y
13	Bedroom	100%	Y	98%	Y
14	Liv/Din	100%	Y	88%	Y
15	Bedroom	100%	Y	88%	Y
16	Liv/Din	100%	Y	86%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Liv/Din	100%	Y	100%	Y

Table 49: BR209 Methodology Results (Zone 08 D First Floor)

Compensatory measures for unit failing daylight criteria

- This unit is dual aspect and 10% oversized.
- This unit benefit from larger private terrace on first floor.

Legends

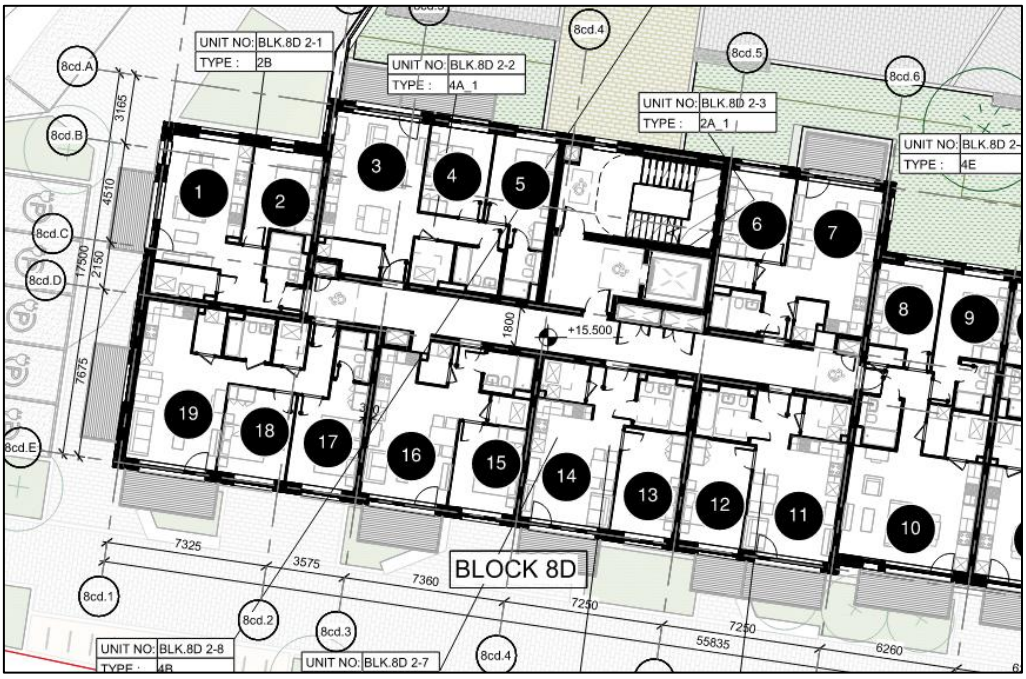


Figure 51: Zone 08 D Second Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	80%	Y
3	Liv/Din	100%	Y	79%	Y
4	Bedroom	100%	Y	86%	Y
5	Bedroom	100%	Y	69%	Y
6	Bedroom	100%	Y	81%	Y
7	Liv/Din	100%	Y	86%	Y
8	Bedroom	97%	Y	78%	Y
9	Bedroom	100%	Y	80%	Y
10	Liv/Din	100%	Y	92%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
11	Liv/Din	100%	Y	94%	Y
12	Bedroom	100%	Y	60%	Y
13	Bedroom	100%	Y	88%	Y
14	Liv/Din	100%	Y	95%	Y
15	Bedroom	100%	Y	100%	Y
16	Liv/Din	100%	Y	95%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Liv/Din	100%	Y	100%	Y

Table 50: BR209 Methodology Results (Zone 08 D Second Floor)

Legends



Figure 52: Zone 08 D Third Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	79%	Y
3	Liv/Din	100%	Y	81%	Y
4	Bedroom	100%	Y	82%	Y
5	Bedroom	100%	Y	79%	Y
6	Bedroom	100%	Y	80%	Y
7	Liv/Din	100%	Y	71%	Y
8	Bedroom	100%	Y	87%	Y
9	Bedroom	100%	Y	91%	Y
10	Liv/Din	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
11	Liv/Din	100%	Y	100%	Y
12	Bedroom	100%	Y	82%	Y
13	Bedroom	100%	Y	100%	Y
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Liv/Din	100%	Y	100%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Liv/Din	100%	Y	100%	Y

Table 51: BR209 Methodology Results (Zone 08 D Third Floor)

Legends

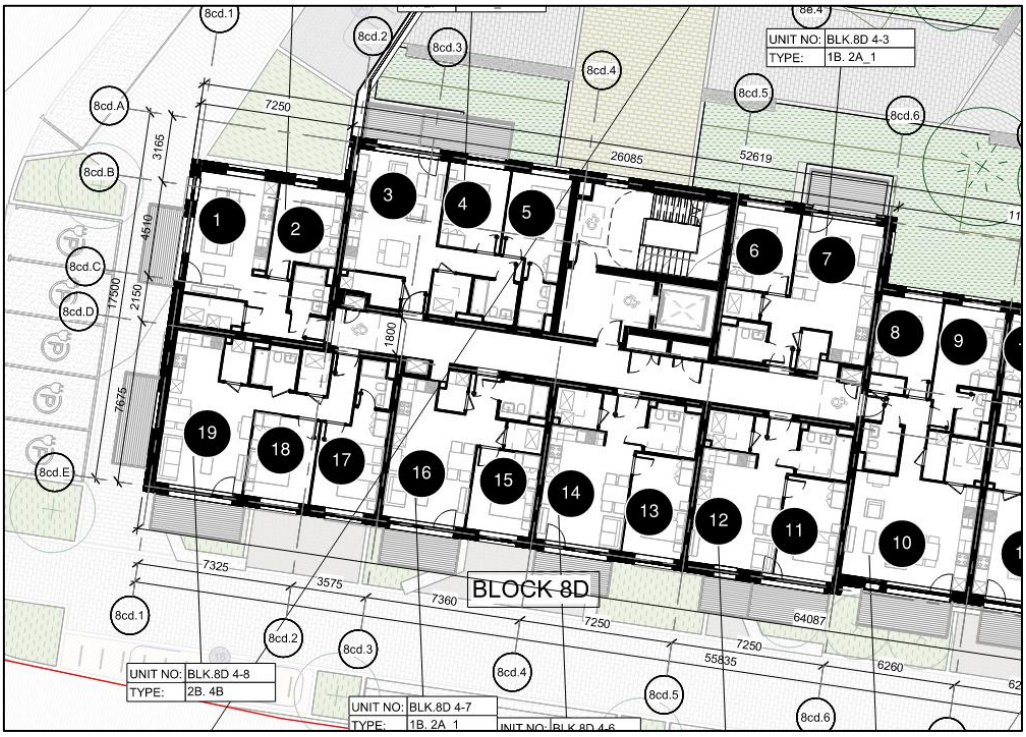


Figure 53: Zone 08 D Fourth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	80%	Y
3	Liv/Din	100%	Y	96%	Y
4	Bedroom	100%	Y	100%	Y
5	Bedroom	100%	Y	96%	Y
6	Bedroom	100%	Y	79%	Y
7	Liv/Din	100%	Y	84%	Y
8	Bedroom	100%	Y	86%	Y
9	Bedroom	100%	Y	82%	Y
10	Liv/Din	100%	Y	100%	Y
11	Liv/Din	100%	Y	99%	Y
12	Bedroom	100%	Y	98%	Y
13	Bedroom	100%	Y	62%	Y
14	Liv/Din	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Liv/Din	100%	Y	100%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Liv/Din	100%	Y	100%	Y

Table 52: BR209 Methodology Results (Zone 08 D Fourth Floor)

Legends



Figure 54: Zone 08 D Fifth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	82%	Y
3	Liv/Din	100%	Y	89%	Y
4	Bedroom	100%	Y	95%	Y
5	Bedroom	100%	Y	99%	Y
6	Bedroom	100%	Y	100%	Y
7	Liv/Din	100%	Y	97%	Y
8	Liv/Din	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
9	Bedroom	100%	Y	100%	Y
10	Bedroom	100%	Y	100%	Y
11	Liv/Din	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y
13	Liv/Din	100%	Y	100%	Y
14	Bedroom	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Liv/Din	100%	Y	100%	Y

Table 53: BR209 Methodology Results (Zone 08 D Fifth Floor)

Legends



Figure 55: Zone 08 E First Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	57%	Y
3	Bedroom	100%	Y	67%	Y
4	Bedroom	100%	Y	48%	N
5	Liv/Din	100%	Y	54%	Y
6	Bedroom	100%	Y	47%	N
7	Liv/Din	100%	Y	74%	Y
8	Bedroom	100%	Y	60%	Y
9	Liv/Din	100%	Y	41%	N
10	Bedroom	100%	Y	55%	Y
11	Bedroom	100%	Y	72%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Liv/Din	100%	Y	77%	Y
13	Liv/Din	100%	Y	83%	Y
14	Bedroom	100%	Y	75%	Y
15	Bedroom	100%	Y	75%	Y
16	Liv/Din	100%	Y	96%	Y
17	Bedroom	100%	Y	87%	Y
18	Bedroom	100%	Y	78%	Y
19	Liv/Din	100%	Y	88%	Y
20	Bedroom	96%	Y	58%	Y
21	Bedroom	100%	Y	57%	Y
22	Liv/Din	100%	Y	97%	Y

Table 54: BR209 Methodology Results (Zone 08 E First Floor)

Compensatory measures for unit failing daylight criteria

- All these units are 10% oversized.

Legends



Figure 56: Zone 08 E Second Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	67%	Y
3	Bedroom	100%	Y	69%	Y
4	Bedroom	100%	Y	52%	Y
5	Liv/Din	100%	Y	60%	Y
6	Bedroom	100%	Y	48%	N
7	Liv/Din	100%	Y	80%	Y
8	Bedroom	100%	Y	88%	Y
9	Liv/Din	100%	Y	52%	Y
10	Bedroom	100%	Y	58%	Y
11	Bedroom	100%	Y	62%	Y
12	Liv/Din	100%	Y	79%	Y
13	Liv/Din	100%	Y	86%	Y
14	Bedroom	100%	Y	95%	Y
15	Bedroom	100%	Y	94%	Y
16	Liv/Din	100%	Y	98%	Y
17	Bedroom	100%	Y	93%	Y
18	Bedroom	100%	Y	97%	Y
19	Liv/Din	100%	Y	82%	Y
20	Bedroom	100%	Y	86%	Y
21	Bedroom	100%	Y	89%	Y
22	Liv/Din	100%	Y	100%	Y

Table 55: BR209 Methodology Results (Zone 08 E Second Floor)

Compensatory measures for unit failing daylight criteria

- This unit is 10% oversized.

Legends

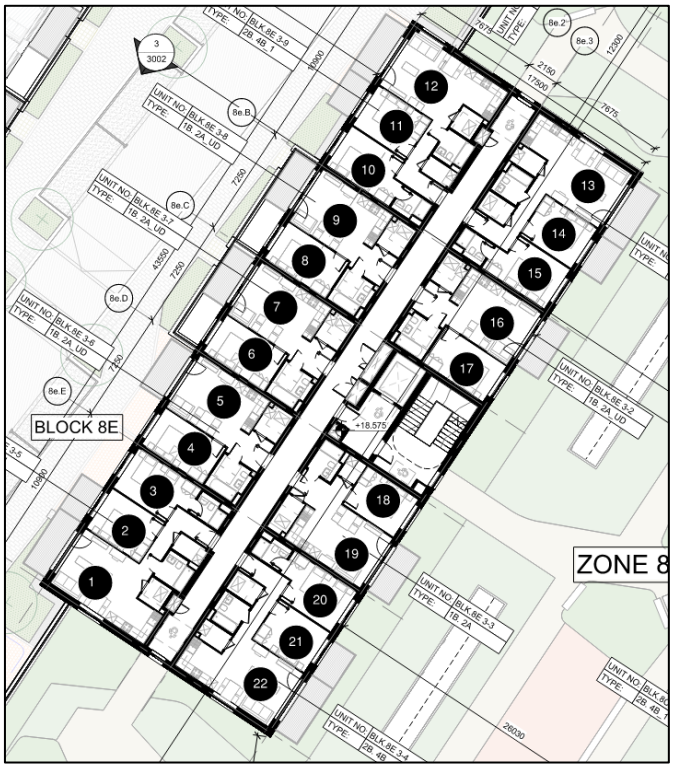


Figure 57: Zone 08 E Third Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	97%	Y
2	Bedroom	100%	Y	82%	Y
3	Bedroom	100%	Y	82%	Y
4	Bedroom	100%	Y	57%	Y
5	Liv/Din	100%	Y	66%	Y
6	Bedroom	100%	Y	55%	Y
7	Liv/Din	100%	Y	94%	Y
8	Bedroom	100%	Y	84%	Y
9	Liv/Din	100%	Y	53%	Y
10	Bedroom	100%	Y	85%	Y
11	Bedroom	100%	Y	64%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Liv/Din	100%	Y	77%	Y
13	Liv/Din	100%	Y	86%	Y
14	Bedroom	100%	Y	75%	Y
15	Bedroom	100%	Y	78%	Y
16	Liv/Din	100%	Y	84%	Y
17	Bedroom	100%	Y	90%	Y
18	Bedroom	100%	Y	97%	Y
19	Liv/Din	100%	Y	83%	Y
20	Bedroom	100%	Y	95%	Y
21	Bedroom	100%	Y	95%	Y
22	Liv/Din	100%	Y	97%	Y

Table 56: BR209 Methodology Results (Zone 08 E Third Floor)

Legends

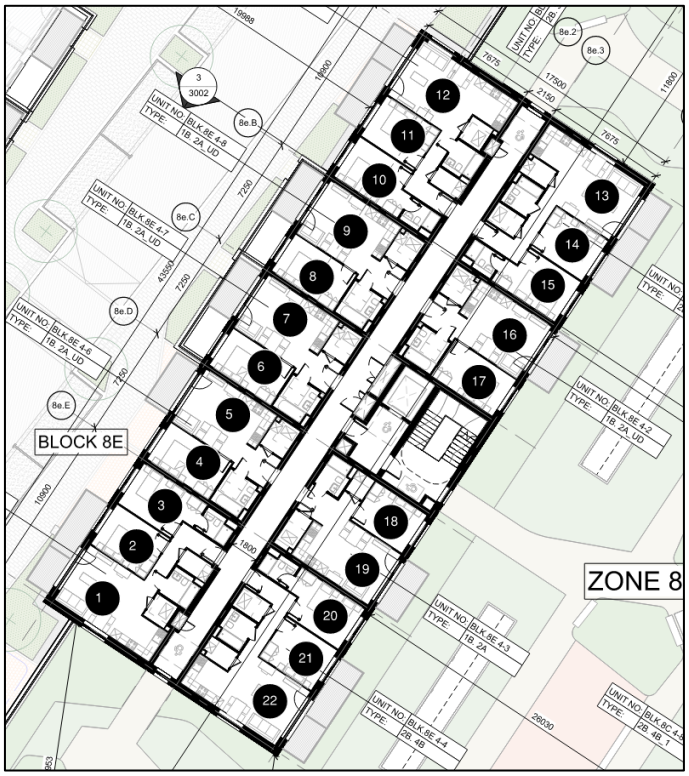


Figure 58: Zone 08 E Fourth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	97%	Y
2	Bedroom	100%	Y	90%	Y
3	Bedroom	100%	Y	87%	Y
4	Bedroom	100%	Y	67%	Y
5	Liv/Din	100%	Y	83%	Y
6	Bedroom	100%	Y	70%	Y
7	Liv/Din	100%	Y	100%	Y
8	Bedroom	100%	Y	100%	Y
9	Liv/Din	100%	Y	71%	Y
10	Bedroom	100%	Y	80%	Y
11	Bedroom	100%	Y	88%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Liv/Din	100%	Y	77%	Y
13	Liv/Din	100%	Y	90%	Y
14	Bedroom	100%	Y	96%	Y
15	Bedroom	100%	Y	100%	Y
16	Liv/Din	100%	Y	94%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Liv/Din	100%	Y	93%	Y
20	Bedroom	100%	Y	99%	Y
21	Bedroom	100%	Y	100%	Y
22	Liv/Din	100%	Y	98%	Y

Table 57: BR209 Methodology Results (Zone 08 E Fourth Floor)

Legends

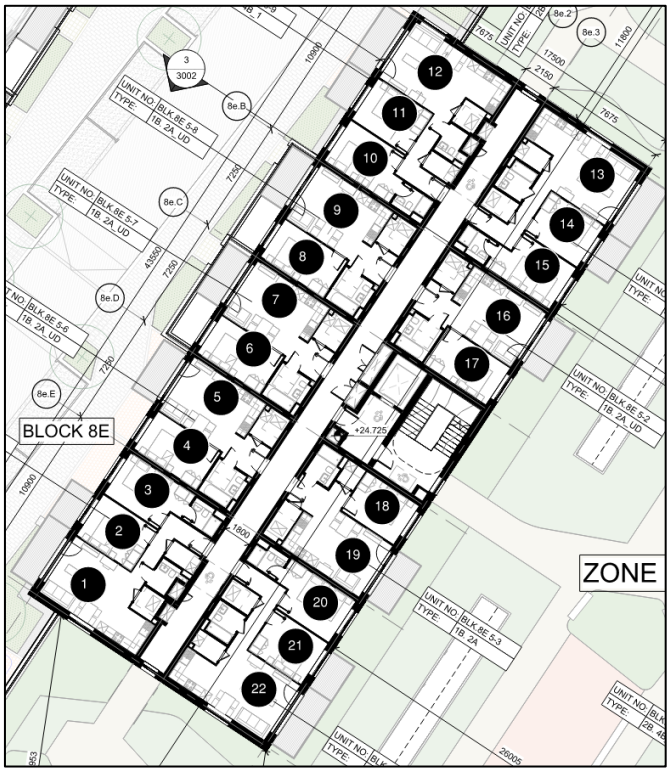


Figure 59: Zone 08 E Fifth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	99%	Y
2	Bedroom	100%	Y	99%	Y
3	Bedroom	100%	Y	97%	Y
4	Bedroom	100%	Y	87%	Y
5	Liv/Din	100%	Y	97%	Y
6	Bedroom	100%	Y	86%	Y
7	Liv/Din	100%	Y	98%	Y
8	Bedroom	100%	Y	100%	Y
9	Liv/Din	100%	Y	85%	Y
10	Bedroom	100%	Y	100%	Y
11	Bedroom	100%	Y	96%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Liv/Din	100%	Y	84%	Y
13	Liv/Din	100%	Y	93%	Y
14	Bedroom	100%	Y	95%	Y
15	Bedroom	100%	Y	79%	Y
16	Liv/Din	100%	Y	100%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Liv/Din	100%	Y	99%	Y
20	Bedroom	100%	Y	100%	Y
21	Bedroom	100%	Y	100%	Y
22	Liv/Din	100%	Y	100%	Y

Table 58: BR209 Methodology Results (Zone 08 E Fifth Floor)

Legends

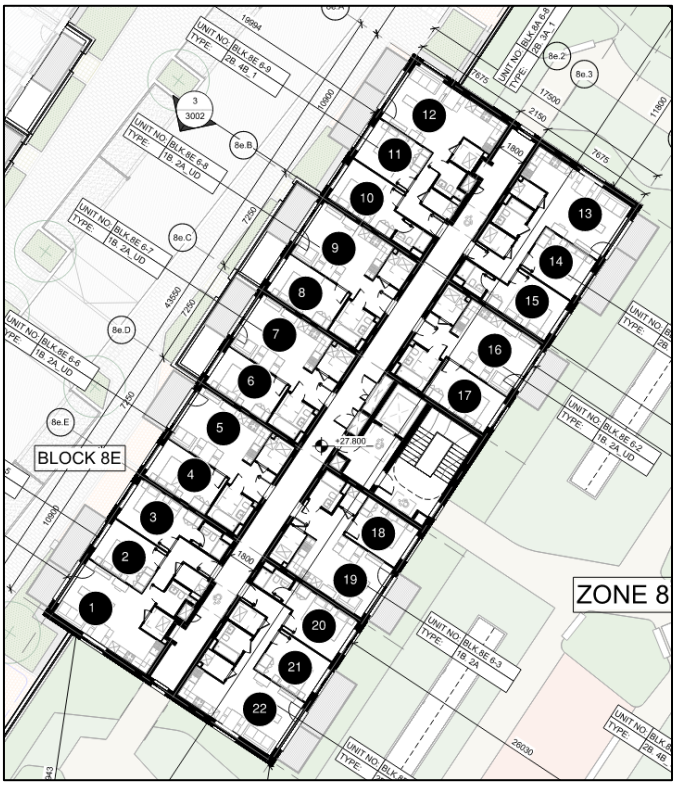


Figure 60: Zone 08 E Sixth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Bedroom	100%	Y	97%	Y
4	Bedroom	100%	Y	100%	Y
5	Liv/Din	100%	Y	98%	Y
6	Bedroom	100%	Y	100%	Y
7	Liv/Din	100%	Y	100%	Y
8	Bedroom	100%	Y	100%	Y
9	Liv/Din	100%	Y	100%	Y
10	Bedroom	100%	Y	98%	Y
11	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
12	Liv/Din	100%	Y	93%	Y
13	Liv/Din	100%	Y	98%	Y
14	Bedroom	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Liv/Din	100%	Y	100%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Liv/Din	100%	Y	100%	Y
20	Bedroom	100%	Y	100%	Y
21	Bedroom	100%	Y	100%	Y
22	Liv/Din	100%	Y	100%	Y

Table 59: BR209 Methodology Results (Zone 08 E Sixth Floor)

Legends

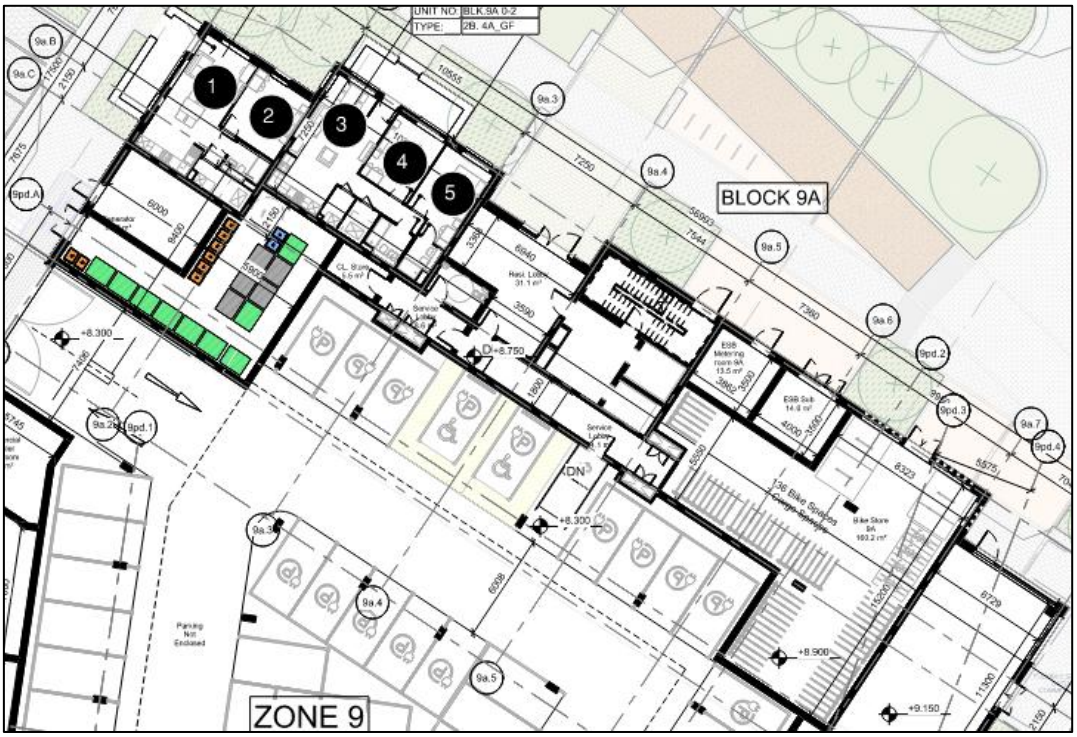


Figure 61: Zone 09 A Ground Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	88%	Y
3	Liv/Din	100%	Y	74%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
4	Bedroom	100%	Y	95%	Y
5	Bedroom	100%	Y	91%	Y

Table 60: BR209 Methodology Results (Zone 09 A First Floor)

Legends

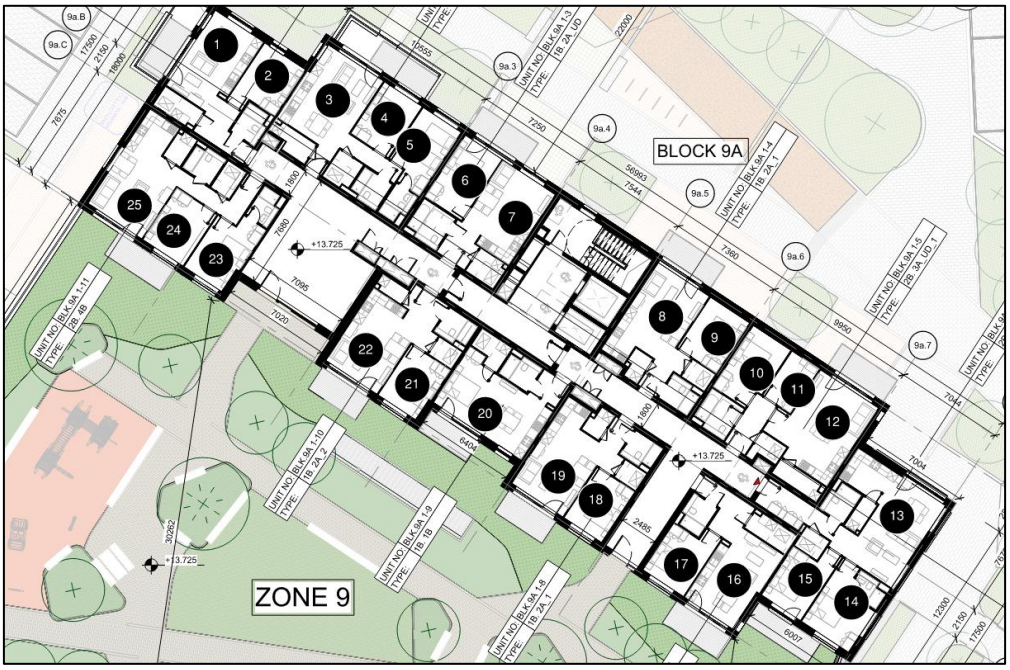


Figure 62: Zone 09 A First Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Liv/Din	100%	Y	99%	Y
4	Bedroom	100%	Y	96%	Y
5	Bedroom	100%	Y	97%	Y
6	Liv/Din	100%	Y	98%	Y
7	Bedroom	100%	Y	97%	Y
8	Liv/Din	100%	Y	94%	Y
9	Bedroom	100%	Y	95%	Y
10	Bedroom	100%	Y	98%	Y
11	Bedroom	100%	Y	100%	Y
12	Liv/Din	100%	Y	87%	Y
13	Liv/Din	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
14	Bedroom	100%	Y	100%	Y
15	Bedroom	100%	Y	91%	Y
16	Liv/Din	99%	Y	66%	Y
17	Bedroom	100%	Y	48%	N
18	Bedroom	100%	Y	53%	Y
19	Liv/Din	100%	Y	63%	Y
20	Studio	100%	Y	88%	Y
21	Bedroom	100%	Y	89%	Y
22	Liv/Din	98%	Y	79%	Y
23	Bedroom	100%	Y	100%	Y
24	Bedroom	100%	Y	100%	Y
25	Liv/Din	100%	Y	100%	Y

Table 61: BR209 Methodology Results (Zone 09 A First Floor)

Legends

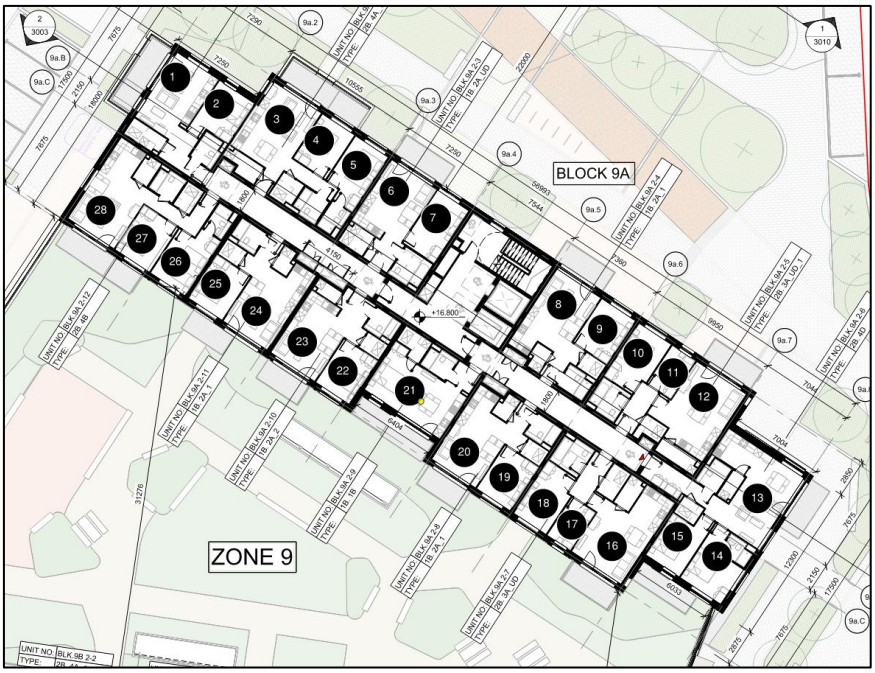


Figure 63: Zone 09 A Second Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Liv/Din	100%	Y	100%	Y
4	Bedroom	100%	Y	98%	Y
5	Bedroom	100%	Y	97%	Y
6	Liv/Din	100%	Y	98%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	100%	Y	96%	Y
9	Bedroom	100%	Y	95%	Y
10	Bedroom	100%	Y	100%	Y
11	Bedroom	100%	Y	100%	Y
12	Liv/Din	100%	Y	99%	Y
13	Liv/Din	100%	Y	100%	Y
14	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
15	Bedroom	100%	Y	92%	Y
16	Liv/Din	100%	Y	58%	Y
17	Bedroom	100%	Y	60%	Y
18	Bedroom	100%	Y	61%	Y
19	Bedroom	100%	Y	70%	Y
20	Liv/Din	100%	Y	67%	Y
21	Studio	100%	Y	95%	Y
22	Bedroom	100%	Y	100%	Y
23	Liv/Din	100%	Y	82%	Y
24	Liv/Din	100%	Y	100%	Y
25	Bedroom	100%	Y	97%	Y
26	Bedroom	100%	Y	100%	Y
27	Bedroom	100%	Y	100%	Y
28	Liv/Din	100%	Y	100%	Y

Table 62: BR209 Methodology Results (Zone 09 A Second Floor)

Legends

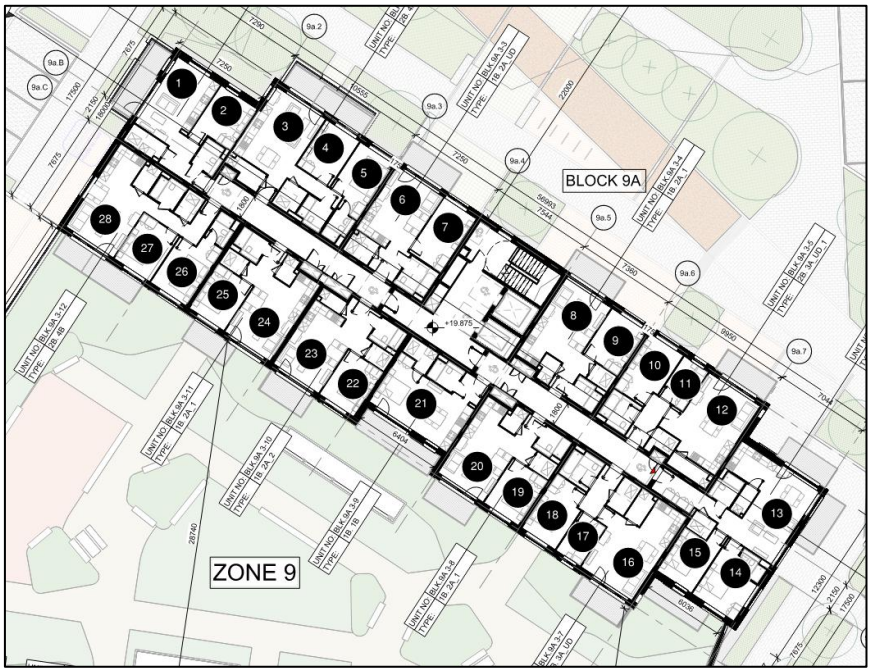


Figure 64: Zone 09 A Third Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Liv/Din	100%	Y	100%	Y
4	Bedroom	100%	Y	98%	Y
5	Bedroom	100%	Y	98%	Y
6	Liv/Din	100%	Y	98%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	100%	Y	100%	Y
9	Bedroom	100%	Y	96%	Y
10	Bedroom	100%	Y	100%	Y
11	Bedroom	100%	Y	100%	Y
12	Liv/Din	100%	Y	99%	Y
13	Liv/Din	100%	Y	100%	Y
14	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
15	Bedroom	100%	Y	85%	Y
16	Liv/Din	96%	Y	59%	Y
17	Bedroom	100%	Y	66%	Y
18	Bedroom	100%	Y	69%	Y
19	Bedroom	100%	Y	76%	Y
20	Liv/Din	100%	Y	68%	Y
21	Studio	100%	Y	96%	Y
22	Bedroom	100%	Y	97%	Y
23	Liv/Din	98%	Y	85%	Y
24	Liv/Din	100%	Y	100%	Y
25	Bedroom	100%	Y	100%	Y
26	Bedroom	100%	Y	100%	Y
27	Bedroom	100%	Y	100%	Y
28	Liv/Din	100%	Y	100%	Y

Table 63: BR209 Methodology Results (Zone 09 A Third Floor)

Legends

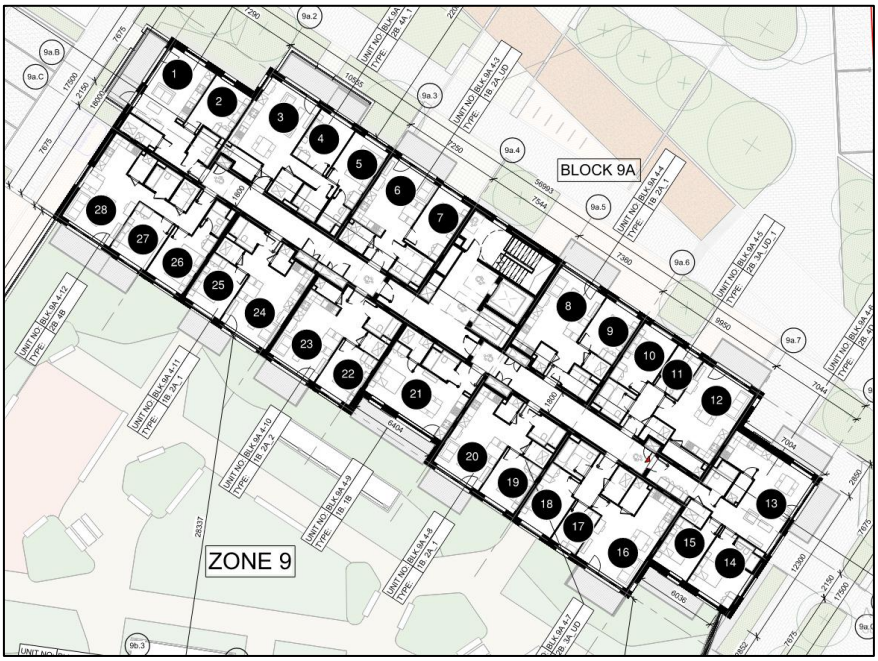


Figure 65: Zone 09 A Fourth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Liv/Din	100%	Y	100%	Y
4	Bedroom	100%	Y	98%	Y
5	Bedroom	100%	Y	97%	Y
6	Liv/Din	100%	Y	98%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	100%	Y	100%	Y
9	Bedroom	100%	Y	96%	Y
10	Bedroom	100%	Y	100%	Y
11	Bedroom	100%	Y	100%	Y
12	Liv/Din	100%	Y	100%	Y
13	Liv/Din	100%	Y	100%	Y
14	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
15	Bedroom	100%	Y	91%	Y
16	Liv/Din	98%	Y	61%	Y
17	Bedroom	100%	Y	80%	Y
18	Bedroom	100%	Y	76%	Y
19	Bedroom	100%	Y	90%	Y
20	Liv/Din	100%	Y	75%	Y
21	Studio	100%	Y	94%	Y
22	Bedroom	100%	Y	100%	Y
23	Liv/Din	98%	Y	95%	Y
24	Liv/Din	100%	Y	100%	Y
25	Bedroom	100%	Y	100%	Y
26	Bedroom	100%	Y	100%	Y
27	Bedroom	100%	Y	100%	Y
28	Liv/Din	100%	Y	100%	Y

Table 64: BR209 Methodology Results (Zone 09 A Fourth Floor)

Legends



Figure 66: Zone 09 A Fifth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Liv/Din	100%	Y	100%	Y
4	Bedroom	100%	Y	98%	Y
5	Bedroom	100%	Y	98%	Y
6	Liv/Din	100%	Y	98%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	100%	Y	100%	Y
9	Bedroom	100%	Y	96%	Y
10	Bedroom	100%	Y	100%	Y
11	Bedroom	100%	Y	100%	Y
12	Liv/Din	100%	Y	100%	Y
13	Liv/Din	100%	Y	100%	Y
14	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
15	Bedroom	100%	Y	100%	Y
16	Liv/Din	100%	Y	63%	Y
17	Bedroom	100%	Y	93%	Y
18	Bedroom	100%	Y	76%	Y
19	Bedroom	100%	Y	100%	Y
20	Liv/Din	100%	Y	88%	Y
21	Studio	100%	Y	99%	Y
22	Bedroom	100%	Y	100%	Y
23	Liv/Din	100%	Y	98%	Y
24	Liv/Din	100%	Y	100%	Y
25	Bedroom	100%	Y	100%	Y
26	Bedroom	100%	Y	100%	Y
27	Bedroom	100%	Y	100%	Y
28	Liv/Din	100%	Y	100%	Y

Table 65: BR209 Methodology Results (Zone 09 A Fifth Floor)

Legends



Figure 67: Zone 09 A Sixth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Liv/Din	100%	Y	100%	Y
4	Bedroom	100%	Y	96%	Y
5	Bedroom	100%	Y	99%	Y
6	Liv/Din	100%	Y	98%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	100%	Y	100%	Y
9	Bedroom	100%	Y	97%	Y
10	Bedroom	100%	Y	100%	Y
11	Bedroom	100%	Y	100%	Y
12	Liv/Din	100%	Y	100%	Y
13	Liv/Din	100%	Y	100%	Y
14	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
15	Bedroom	100%	Y	100%	Y
16	Liv/Din	97%	Y	75%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Bedroom	100%	Y	100%	Y
20	Liv/Din	100%	Y	97%	Y
21	Studio	100%	Y	100%	Y
22	Bedroom	100%	Y	100%	Y
23	Liv/Din	100%	Y	98%	Y
24	Liv/Din	100%	Y	100%	Y
25	Bedroom	100%	Y	100%	Y
26	Bedroom	100%	Y	100%	Y
27	Bedroom	100%	Y	100%	Y
28	Liv/Din	100%	Y	100%	Y

Table 66: BR209 Methodology Results (Zone 09 A Sixth Floor)

Legends

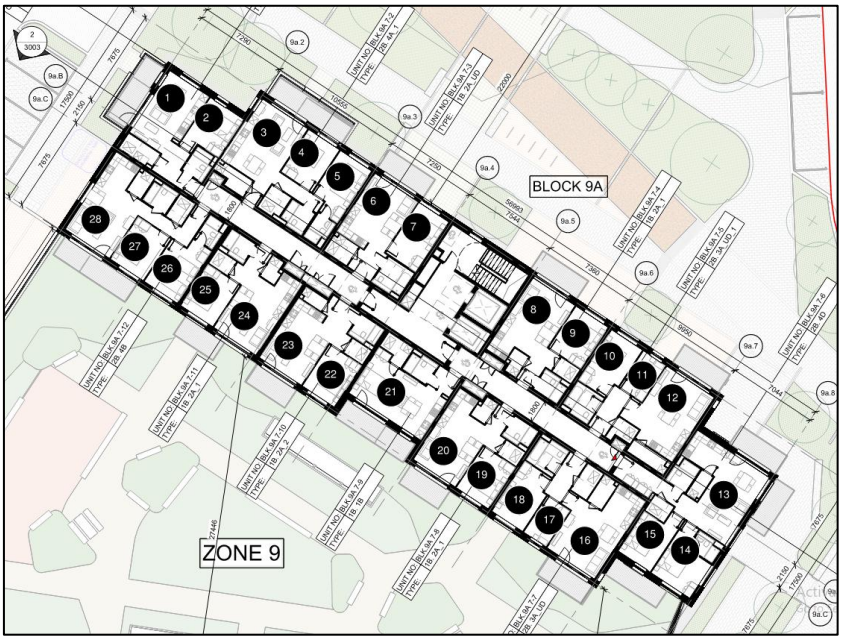


Figure 68: Zone 09 A Seventh Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	100%	Y
3	Liv/Din	100%	Y	100%	Y
4	Bedroom	100%	Y	96%	Y
5	Bedroom	100%	Y	99%	Y
6	Liv/Din	100%	Y	98%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	100%	Y	100%	Y
9	Bedroom	100%	Y	96%	Y
10	Bedroom	100%	Y	100%	Y
11	Bedroom	100%	Y	100%	Y
12	Liv/Din	100%	Y	100%	Y
13	Liv/Din	100%	Y	100%	Y
14	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
15	Bedroom	100%	Y	100%	Y
16	Liv/Din	97%	Y	88%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Bedroom	100%	Y	100%	Y
20	Liv/Din	100%	Y	100%	Y
21	Studio	100%	Y	100%	Y
22	Bedroom	100%	Y	100%	Y
23	Liv/Din	98%	Y	98%	Y
24	Liv/Din	100%	Y	100%	Y
25	Bedroom	100%	Y	100%	Y
26	Bedroom	100%	Y	100%	Y
27	Bedroom	100%	Y	100%	Y
28	Liv/Din	100%	Y	100%	Y

Table 67: BR209 Methodology Results (Zone 09 A Seventh Floor)

Legends

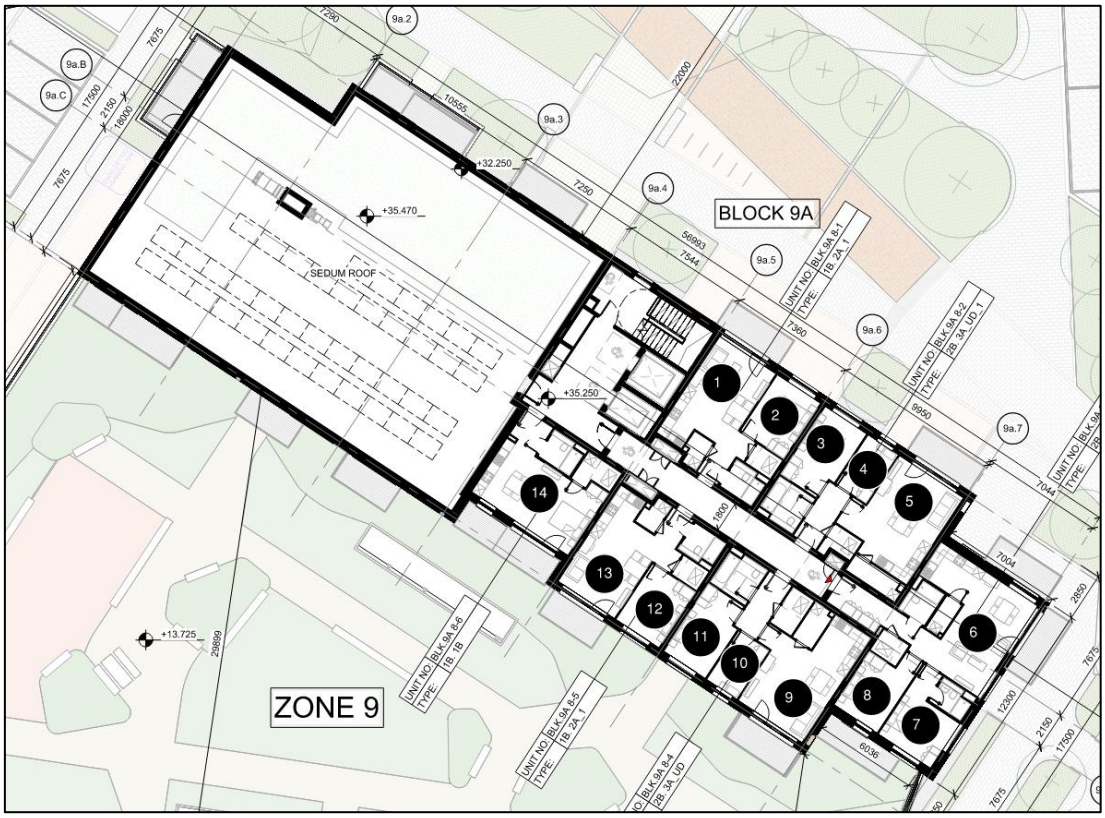


Figure 69: Zone 09 A Eighth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	96%	Y
3	Bedroom	100%	Y	100%	Y
4	Bedroom	100%	Y	90%	Y
5	Liv/Din	100%	Y	100%	Y
6	Liv/Din	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
8	Bedroom	100%	Y	97%	Y
9	Bedroom	100%	Y	100%	Y
10	Bedroom	100%	Y	100%	Y
11	Liv/Din	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y
13	Liv/Din	100%	Y	100%	Y
14	Studio	100%	Y	100%	Y

Table 68: BR209 Methodology Results (Zone 09 A Eighth Floor)

Legends

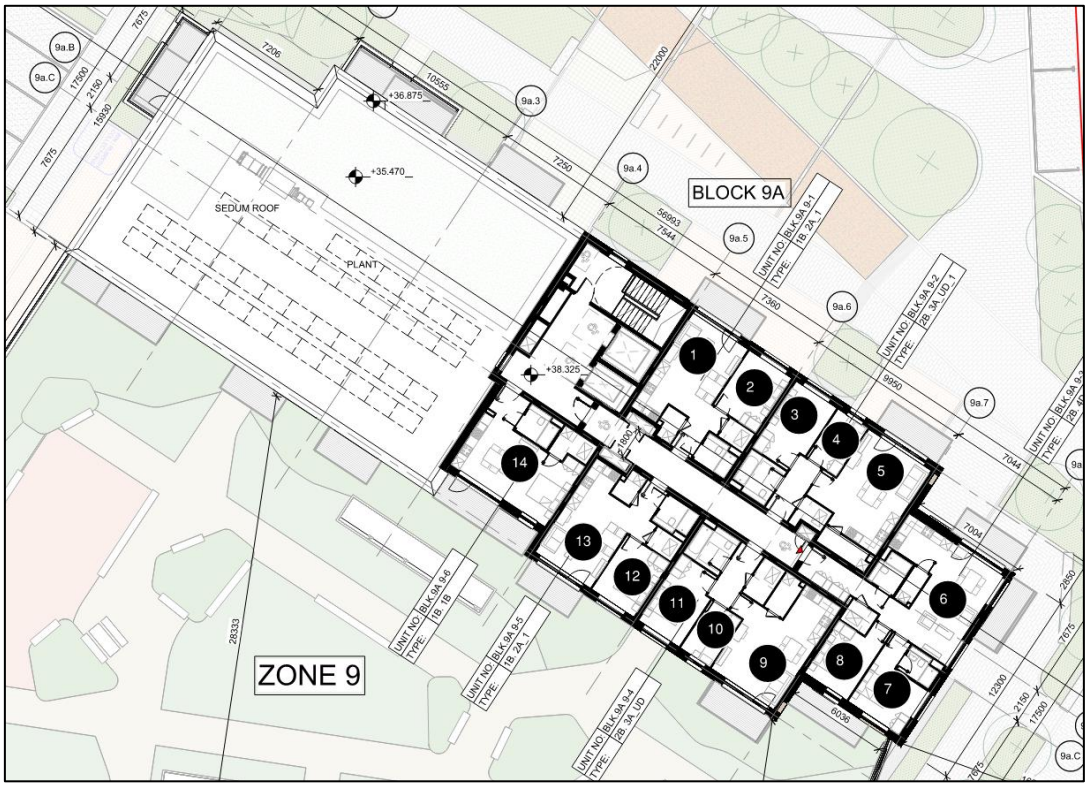


Figure 70: Zone 09 A Ninth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	96%	Y
3	Bedroom	100%	Y	100%	Y
4	Bedroom	100%	Y	100%	Y
5	Liv/Din	100%	Y	100%	Y
6	Liv/Din	100%	Y	100%	Y
7	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
8	Bedroom	100%	Y	100%	Y
9	Bedroom	100%	Y	97%	Y
10	Bedroom	100%	Y	100%	Y
11	Liv/Din	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y
13	Liv/Din	100%	Y	100%	Y
14	Studio	100%	Y	100%	Y

Table 69: BR209 Methodology Results (Zone 09 A Ninth Floor)

Legends



Figure 71: Zone 09 B First Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	73%	Y
3	Liv/Din	100%	Y	94%	Y
4	Bedroom	100%	Y	52%	Y
5	Liv/Din	100%	Y	59%	Y
6	Bedroom	100%	Y	50%	Y
7	Bedroom	100%	Y	41%	N
8	Bedroom	100%	Y	46%	N
9	Liv/Din	97%	Y	61%	Y
10	Bedroom	100%	Y	61%	Y
11	Bedroom	100%	Y	100%	Y
12	Liv/Din	100%	Y	100%	Y
13	Liv/Din	100%	Y	73%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
14	Bedroom	100%	Y	100%	Y
15	Bedroom	100%	Y	100%	Y
16	Bedroom	100%	Y	100%	Y
17	Liv/Din	100%	Y	90%	Y
18	Studio	100%	Y	100%	Y
19	Bedroom	100%	Y	100%	Y
20	Liv/Din	100%	Y	85%	Y
21	Liv/Din	100%	Y	89%	Y
22	Bedroom	100%	Y	100%	Y
23	Bedroom	100%	Y	100%	Y
24	Bedroom	100%	Y	100%	Y
25	Liv/Din	100%	Y	100%	Y

Table 70: BR209 Methodology Results (Zone 09 B First Floor)

Compensatory measures for unit failing daylight criteria

- This units are 10% oversized and have bigger private terrace on first floor.

Legends

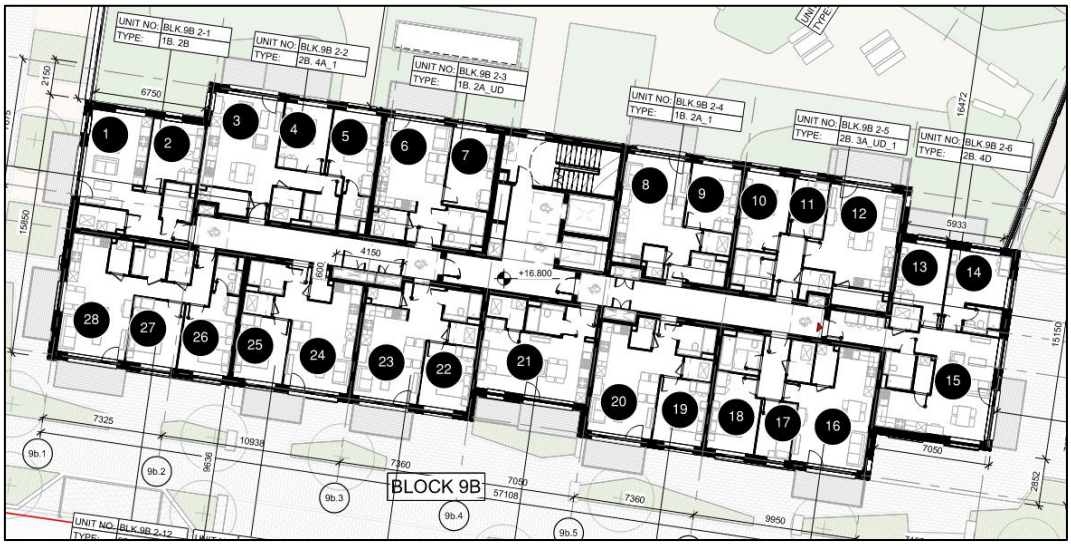


Figure 72: Zone 09 B Second Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	88%	Y
3	Liv/Din	100%	Y	99%	Y
4	Bedroom	100%	Y	92%	Y
5	Bedroom	100%	Y	70%	Y
6	Liv/Din	100%	Y	65%	Y
7	Bedroom	100%	Y	78%	Y
8	Liv/Din	100%	Y	40%	N
9	Bedroom	100%	Y	58%	Y
10	Bedroom	100%	Y	51%	Y
11	Bedroom	100%	Y	50%	Y
12	Liv/Din	98%	Y	71%	Y
13	Bedroom	100%	Y	72%	Y
14	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
15	Liv/Din	100%	Y	100%	Y
16	Liv/Din	100%	Y	75%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Bedroom	100%	Y	100%	Y
20	Liv/Din	100%	Y	97%	Y
21	Studio	100%	Y	100%	Y
22	Bedroom	100%	Y	100%	Y
23	Liv/Din	100%	Y	93%	Y
24	Liv/Din	100%	Y	97%	Y
25	Bedroom	100%	Y	100%	Y
26	Bedroom	100%	Y	100%	Y
27	Bedroom	100%	Y	100%	Y
28	Liv/Din	100%	Y	100%	Y

Table 71: BR209 Methodology Results (Zone 09 B Second Floor)

Compensatory measures for unit failing daylight criteria

- This is 10% oversized unit.

Legends

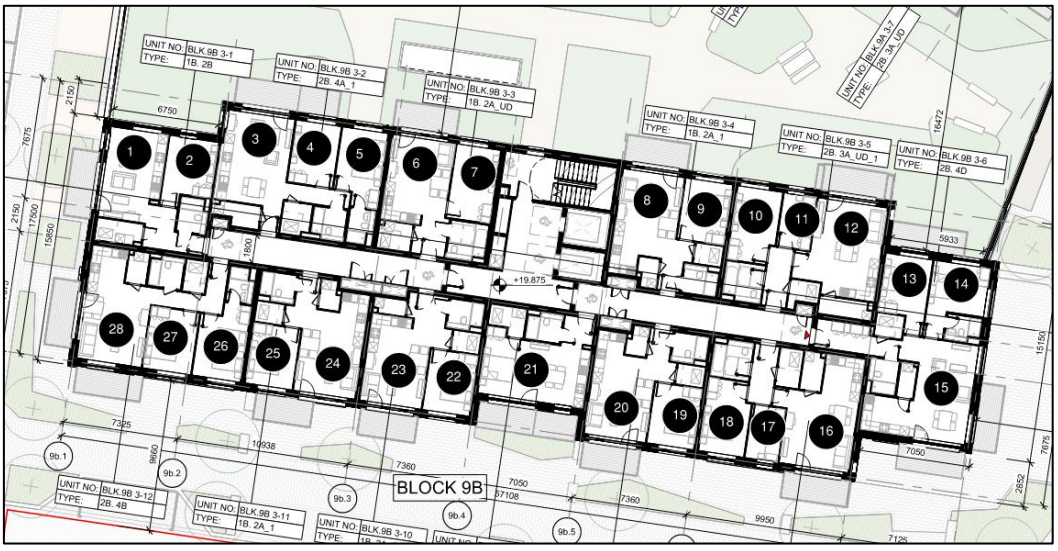


Figure 73: Zone 09 B Third Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	90%	Y
3	Liv/Din	100%	Y	98%	Y
4	Bedroom	100%	Y	85%	Y
5	Bedroom	100%	Y	87%	Y
6	Liv/Din	100%	Y	69%	Y
7	Bedroom	100%	Y	72%	Y
8	Liv/Din	100%	Y	48%	N
9	Bedroom	100%	Y	63%	Y
10	Bedroom	100%	Y	53%	Y
11	Bedroom	100%	Y	52%	Y
12	Liv/Din	98%	Y	71%	Y
13	Bedroom	100%	Y	74%	Y
14	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
15	Liv/Din	100%	Y	100%	Y
16	Liv/Din	100%	Y	96%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Bedroom	100%	Y	100%	Y
20	Liv/Din	100%	Y	100%	Y
21	Studio	100%	Y	100%	Y
22	Bedroom	100%	Y	100%	Y
23	Liv/Din	100%	Y	100%	Y
24	Liv/Din	100%	Y	100%	Y
25	Bedroom	100%	Y	100%	Y
26	Bedroom	100%	Y	100%	Y
27	Bedroom	100%	Y	100%	Y
28	Liv/Din	100%	Y	100%	Y

Table 72: BR209 Methodology Results (Zone 09 B Third Floor)

Compensatory measures for unit failing daylight criteria

- This is 10% oversized unit.

Legends

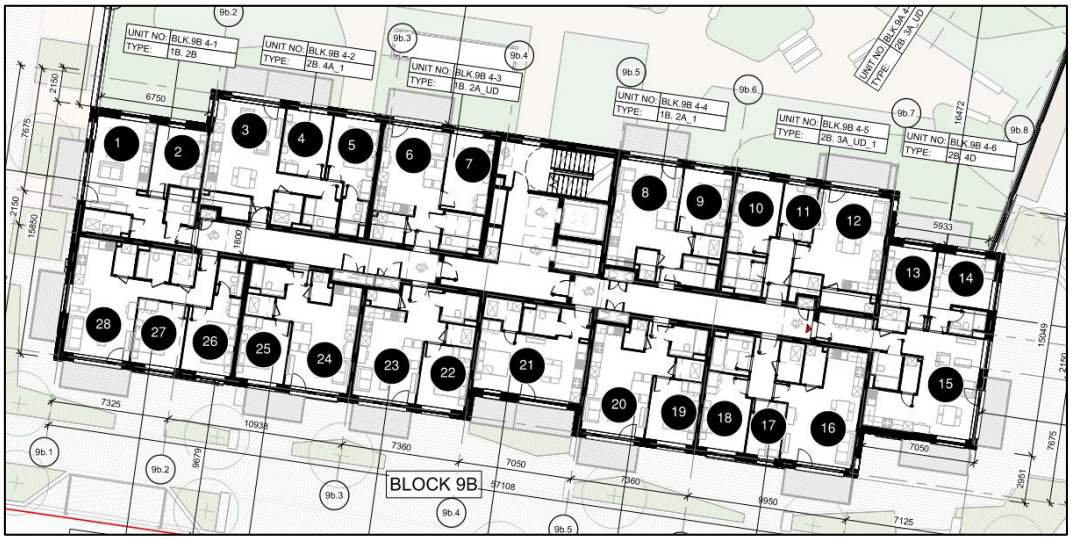


Figure 74: Zone 09 B Fourth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	93%	Y
3	Liv/Din	100%	Y	100%	Y
4	Bedroom	100%	Y	100%	Y
5	Bedroom	100%	Y	96%	Y
6	Liv/Din	100%	Y	78%	Y
7	Bedroom	100%	Y	100%	Y
8	Liv/Din	99%	Y	51%	Y
9	Bedroom	100%	Y	68%	Y
10	Bedroom	100%	Y	56%	Y
11	Bedroom	100%	Y	71%	Y
12	Liv/Din	98%	Y	72%	Y
13	Bedroom	100%	Y	75%	Y
14	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
15	Liv/Din	100%	Y	100%	Y
16	Liv/Din	100%	Y	99%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Bedroom	100%	Y	100%	Y
20	Liv/Din	100%	Y	100%	Y
21	Studio	100%	Y	100%	Y
22	Bedroom	100%	Y	100%	Y
23	Liv/Din	100%	Y	100%	Y
24	Liv/Din	100%	Y	100%	Y
25	Bedroom	100%	Y	100%	Y
26	Bedroom	100%	Y	100%	Y
27	Bedroom	100%	Y	100%	Y
28	Liv/Din	100%	Y	100%	Y

Table 73: BR209 Methodology Results (Zone 09 B Fourth Floor)

Legends



Figure 75: Zone 09 B Fifth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	100%	Y
2	Bedroom	100%	Y	96%	Y
3	Liv/Din	100%	Y	100%	Y
4	Bedroom	100%	Y	100%	Y
5	Bedroom	100%	Y	93%	Y
6	Liv/Din	100%	Y	100%	Y
7	Bedroom	100%	Y	95%	Y
8	Liv/Din	99%	Y	59%	Y
9	Bedroom	100%	Y	74%	Y
10	Bedroom	100%	Y	61%	Y
11	Bedroom	100%	Y	77%	Y
12	Liv/Din	98%	Y	74%	Y
13	Bedroom	100%	Y	82%	Y
14	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
15	Liv/Din	100%	Y	100%	Y
16	Liv/Din	100%	Y	100%	Y
17	Bedroom	100%	Y	100%	Y
18	Bedroom	100%	Y	100%	Y
19	Bedroom	100%	Y	100%	Y
20	Liv/Din	100%	Y	100%	Y
21	Studio	100%	Y	100%	Y
22	Bedroom	100%	Y	100%	Y
23	Liv/Din	100%	Y	100%	Y
24	Liv/Din	100%	Y	100%	Y
25	Bedroom	100%	Y	100%	Y
26	Bedroom	100%	Y	100%	Y
27	Bedroom	100%	Y	100%	Y
28	Liv/Din	100%	Y	100%	Y

Table 74: BR209 Methodology Results (Zone 09 B Fifth Floor)

Legends

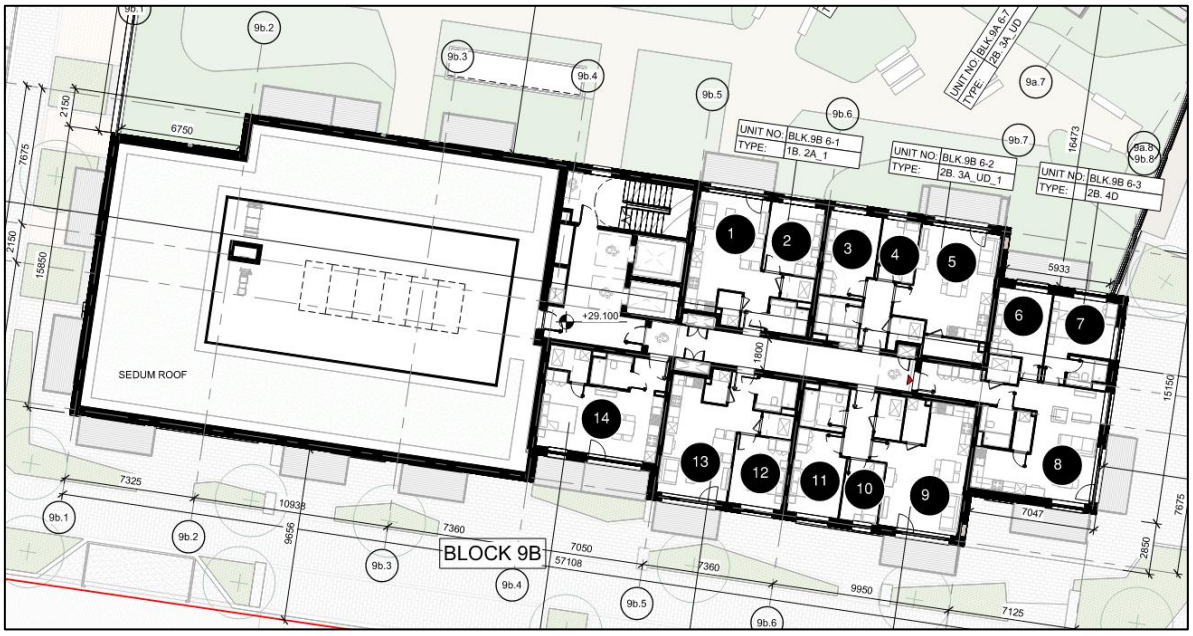


Figure 76: Zone 09 B Sixth Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	68%	Y
2	Bedroom	100%	Y	93%	Y
3	Bedroom	100%	Y	69%	Y
4	Bedroom	100%	Y	91%	Y
5	Liv/Din	98%	Y	77%	Y
6	Bedroom	100%	Y	91%	Y
7	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
8	Liv/Din	100%	Y	100%	Y
9	Liv/Din	100%	Y	100%	Y
10	Bedroom	100%	Y	100%	Y
11	Bedroom	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y
13	Liv/Din	100%	Y	100%	Y
14	Studio	100%	Y	100%	Y

Table 75: BR209 Methodology Results (Zone 09 B Sixth Floor)

Legends

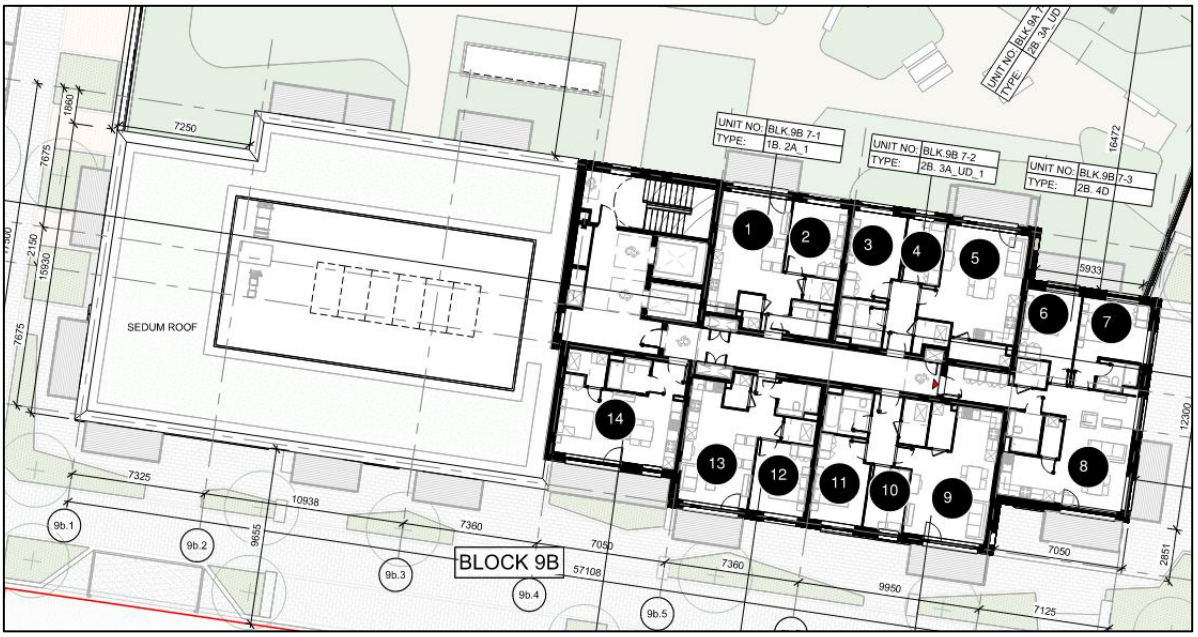


Figure 77: Zone 09 B Seventh Floor Legend

Results

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
1	Liv/Din	100%	Y	89%	Y
2	Bedroom	100%	Y	92%	Y
3	Bedroom	100%	Y	79%	Y
4	Bedroom	100%	Y	100%	Y
5	Liv/Din	100%	Y	86%	Y
6	Bedroom	100%	Y	93%	Y
7	Bedroom	100%	Y	100%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
8	Liv/Din	100%	Y	100%	Y
9	Liv/Din	100%	Y	100%	Y
10	Bedroom	100%	Y	100%	Y
11	Bedroom	100%	Y	100%	Y
12	Bedroom	100%	Y	100%	Y
13	Liv/Din	100%	Y	100%	Y
14	Studio	100%	Y	100%	Y

Table 76: BR209 Methodology Results (Zone 09 B Seventh Floor)

6 SUNLIGHT & OVERSHADOWING ASSESSMENT TO AMENITY SPACES WITHIN THE DEVELOPMENT

BRE Guide Third Edition (2022) recommend that for external amenity spaces to appear adequately sunlit throughout the year, at least half of the garden or amenity space should receive at least two hours of sunlight on March 21st.

In order to show the sunlight levels within the proposed scheme design, a sunlight study has been carried out for the amenity space surrounding the development.

SUNLIGHT COMMUNAL AMENITY SPACES

The BRE Guide Third Edition section 3.3.16 outlines the following for gardens and open spaces:

"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."

In order to show that sunlight levels within the development achieve compliance with current BRE Guide 3rd Edition recommendations a sunlight study has been carried out for the proposed development.

The red squares in Figure 78 below illustrates the areas that receive a minimum of 2 hours of sunlight on the 21st of March for the proposed development. It is clear that the majority of the amenity space receives 2 hours or more of sunlight on March 21st.

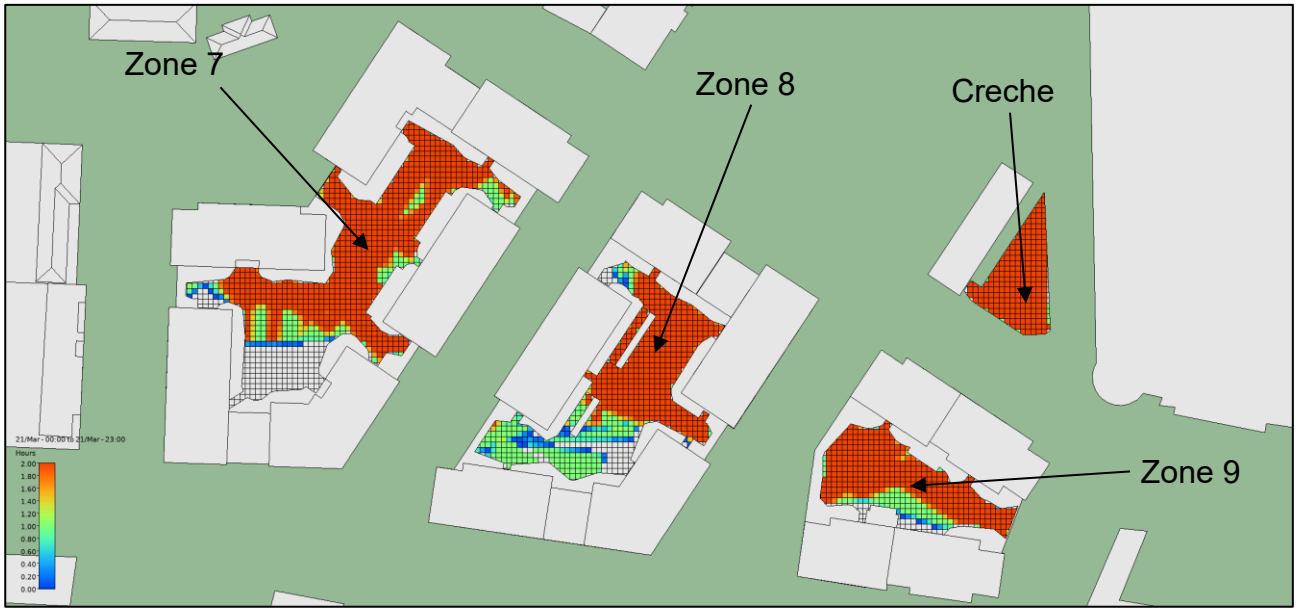


Figure 78: Amenity Spaces - Hours of Sunlight on March 21st

Unit Ref.	Portion of Amenity Space receiving ≥ 2 hours Sunlight on 21st March (%)
Zone 7	72.7%
Zone 8	52.8%
Zone 9	75.2%
Creche	99.1%
Overall Total	69.8%

Table 77: Amenity Space Sunlight Results

As seen in the table above, the overall amenity space areas comply with the BRE 209, 3rd Edition, regarding sunlight recommendations, as they receive at least 2 hours of sunlight on March 21st.

7 SUNLIGHT ASSESSMENT WITHIN THE PROPOSED DEVELOPMENT (APSH)

In order to assess the amount of sunlight that is received by windows within the proposed development, the Annual Probable Sunlight Hours (APSH) calculation methods as outlined in BRE Guide Third Edition (2022) have been used.

BRE Guidelines outline that in housing, the main requirement for sunlight is in living rooms, where it is valued at any time of the day but especially in the afternoon. BRE Guidelines also state that sunlight is less important in bedrooms and kitchens, however, all windows to occupied rooms within the development have been included within the analysis.

The sunlight values experienced across the development have been assessed against the BRE Guide Third Edition (2022). The 2022 methodology states that windows shall receive a minimum of 1.5 hours of direct sunlight on the test day, March 21st. The 2022 Methodology also sets out a standard for medium (3 hours), and high (4 hours) levels of direct sunlight.

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 Guidelines 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".

SUNLIGHT ASSESSMENT

The sunlight values expected across the development are illustrated in the following images. Windows coloured red achieves the high, medium, or minimum standard as outlined in BRE Guide Third Edition (2022) on March 21st.

The sunlight values experienced across the development as measured against the BRE Guide 3rd Edition are illustrated in the following images. Windows coloured red in Figure 79 to Figure 114 achieve the minimum standard for sunlight on the test day of March 21st.

Element	Sunlight Assessment (BRE 3rd Edition) Minimum Level			
	Zone 7	Zone 8	Zone 9	Total
Total Windows Passing	680	580	384	1644
Total No. of Windows Analysed	883	806	518	2207
Percentage of Compliance	**77%**	**72.00%**	**74.14%**	**74.49%**

Table 78: Sunlight Analysis 3rd Edition Results (Window Specific Summary)

As shown in the table above, 75% of rooms meet the minimum recommendations set out in the BRE guidelines. Additionally, the figures below demonstrate that the majority of windows exceed the minimum values outlined in the BRE guidance document.

Windows that fall short of the BRE criteria are primarily associated with north, north-east, and north-west facing orientations, which naturally receive reduced sunlight due to the path of the sun, resulting in greater solar exposure for other orientations.



Figure 79: Sunlight Exposure March 21st (2022 Methodology Min Level) – SE Elevation (Zone 7)



Figure 80: Sunlight Exposure March 21st (2022 Methodology Min Level) – SW Elevation (Zone 7)

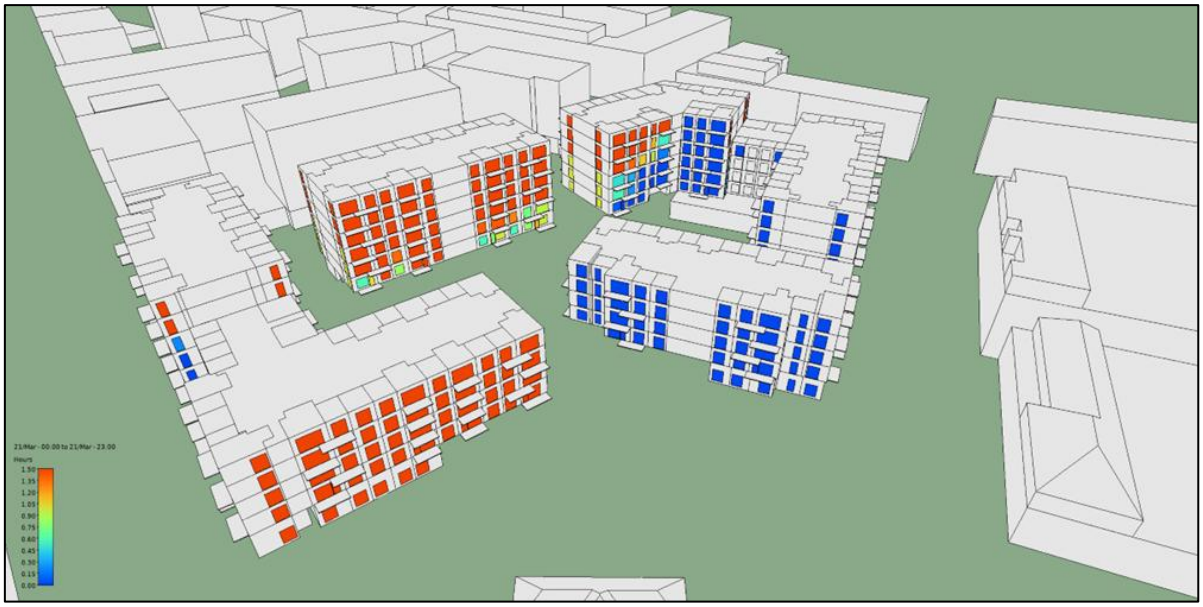


Figure 81: Sunlight Exposure March 21st (2022 Methodology Min Level) – NW Elevation (Zone 7)

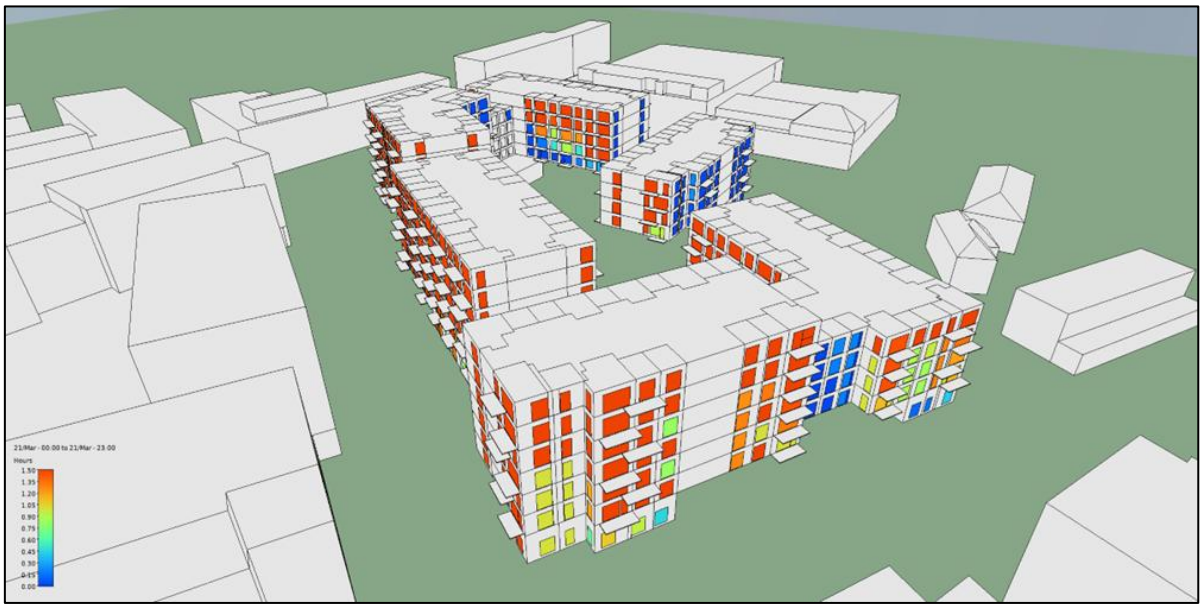


Figure 82: Sunlight Exposure March 21st (2022 Methodology Min Level) – NE Elevation (Zone 7)



Figure 83: Sunlight Exposure March 21st (2022 Methodology Medium Level) – SE Elevation (Zone 7)

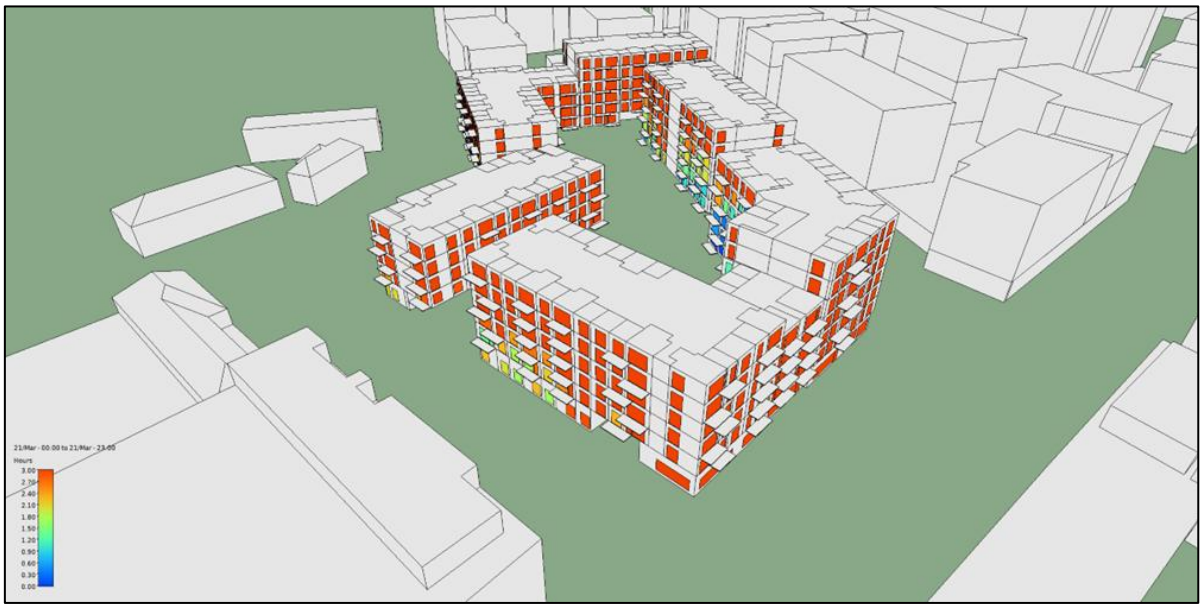


Figure 84: Sunlight Exposure March 21st (2022 Methodology Medium Level) – SW Elevation (Zone 7)



Figure 85: Sunlight Exposure March 21st (2022 Methodology Medium Level) –NW Elevation (Zone 7)

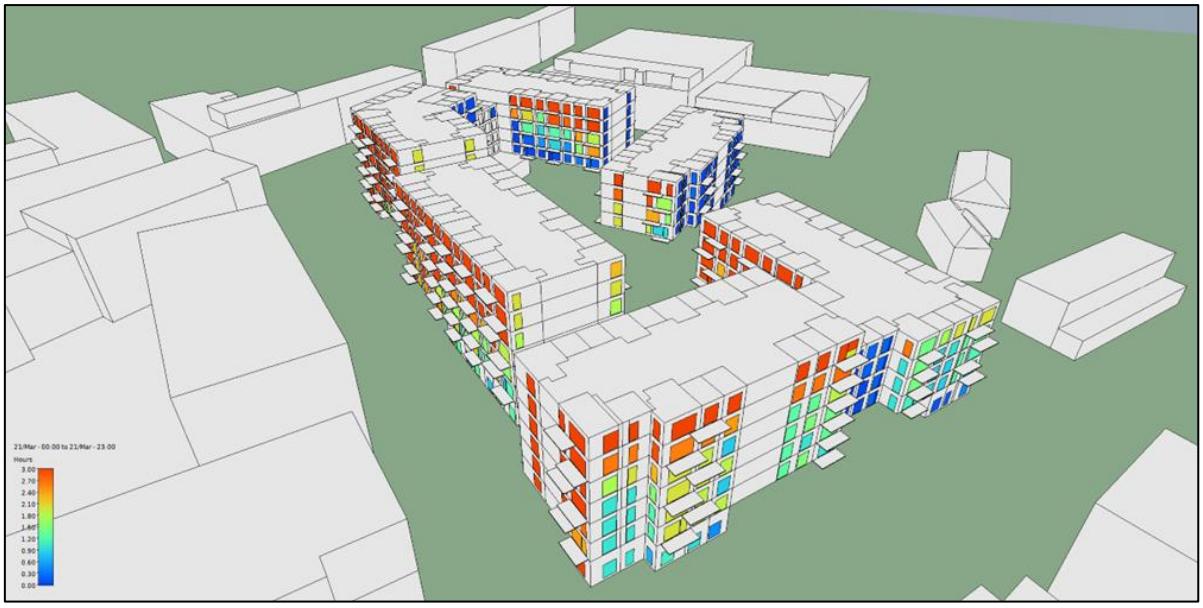


Figure 86: Sunlight Exposure March 21st (2022 Methodology Medium Level) – NE Elevation (Zone 7)

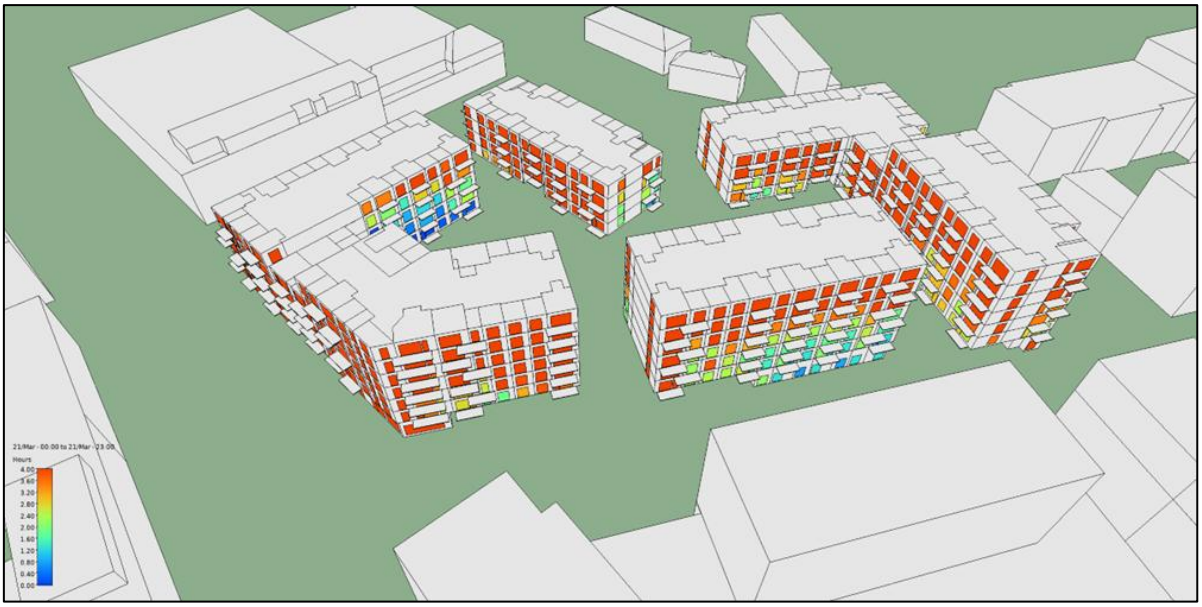


Figure 87: Sunlight Exposure March 21st (2022 Methodology High Level) – SE Elevation (Zone 7)



Figure 88: Sunlight Exposure March 21st (2022 Methodology High Level) – SW Elevation (Zone 7)

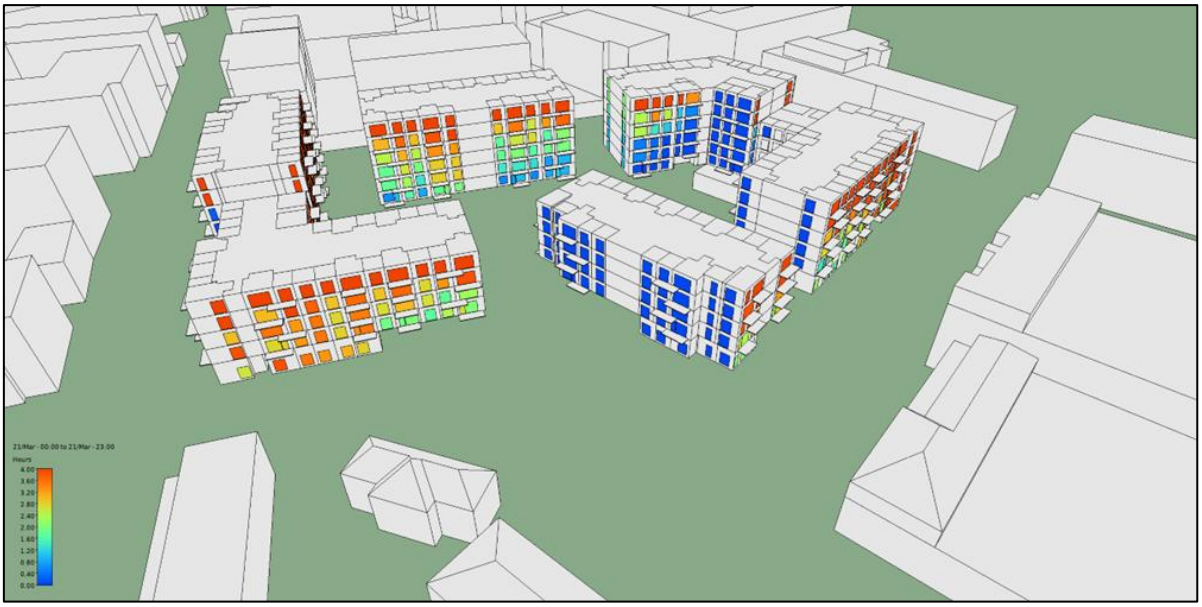


Figure 89: Sunlight Exposure March 21st (2022 Methodology High Level) – NW Elevation (Zone 7)

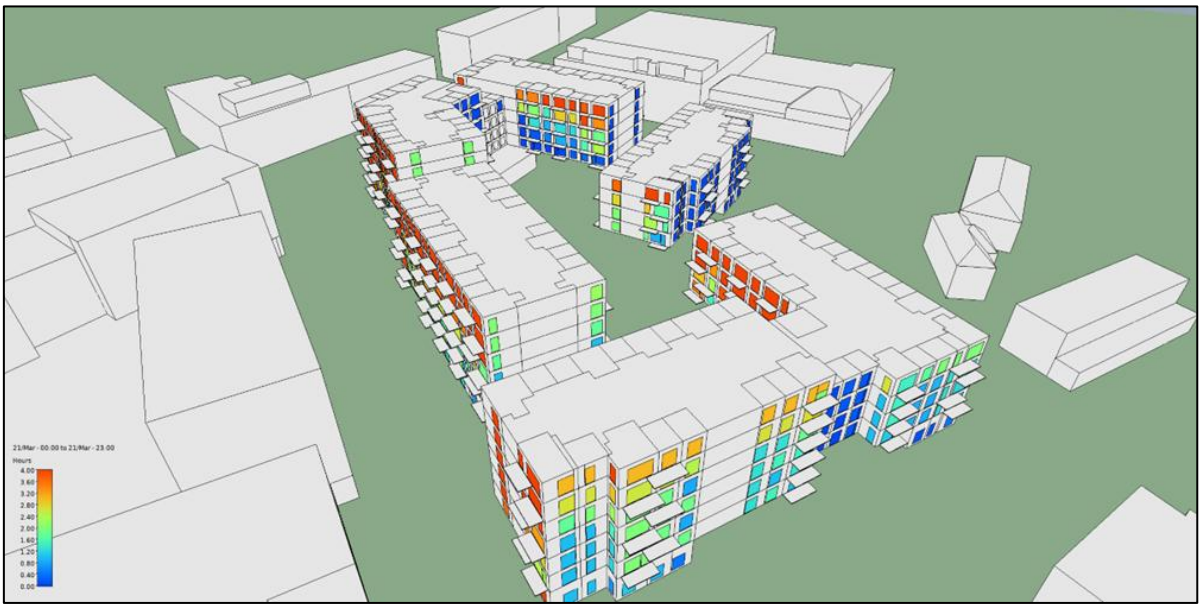


Figure 90: Sunlight Exposure March 21st (2022 Methodology High Level) – NE Elevation (Zone 7)

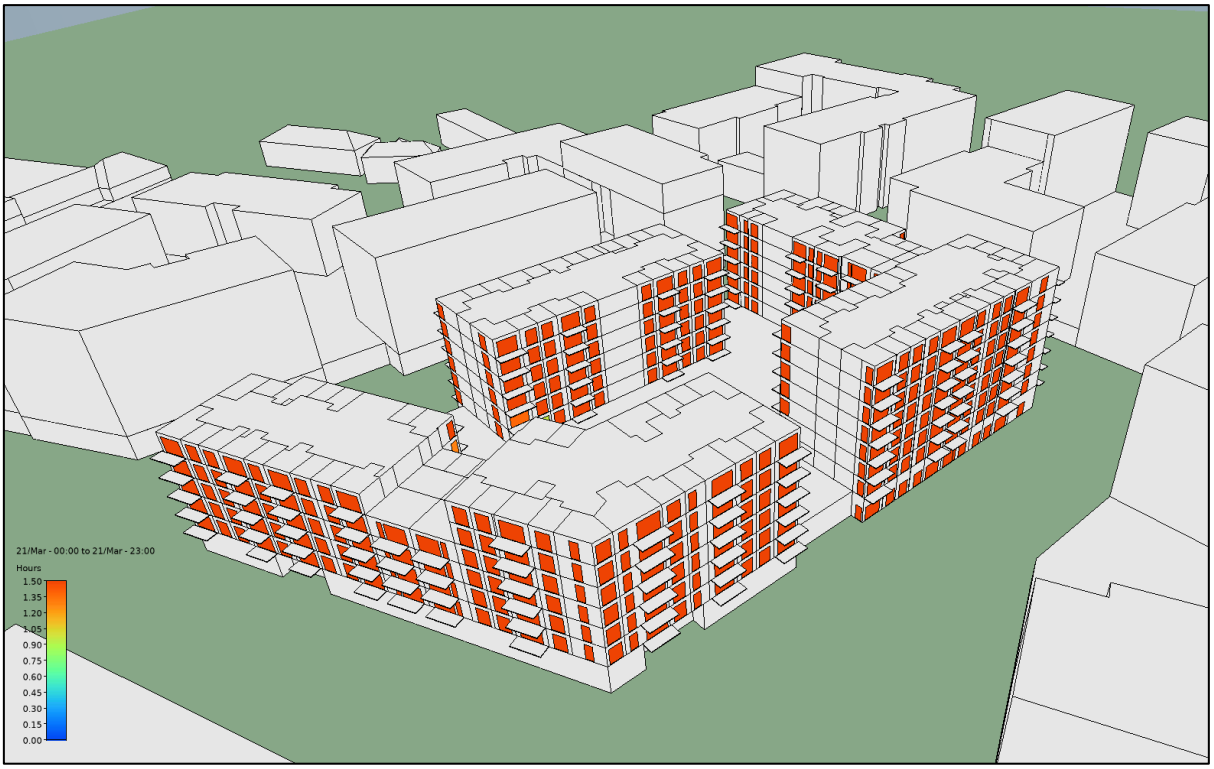


Figure 91: Sunlight Exposure March 21st (2022 Methodology Min Level) – SE Elevation (Zone 8)

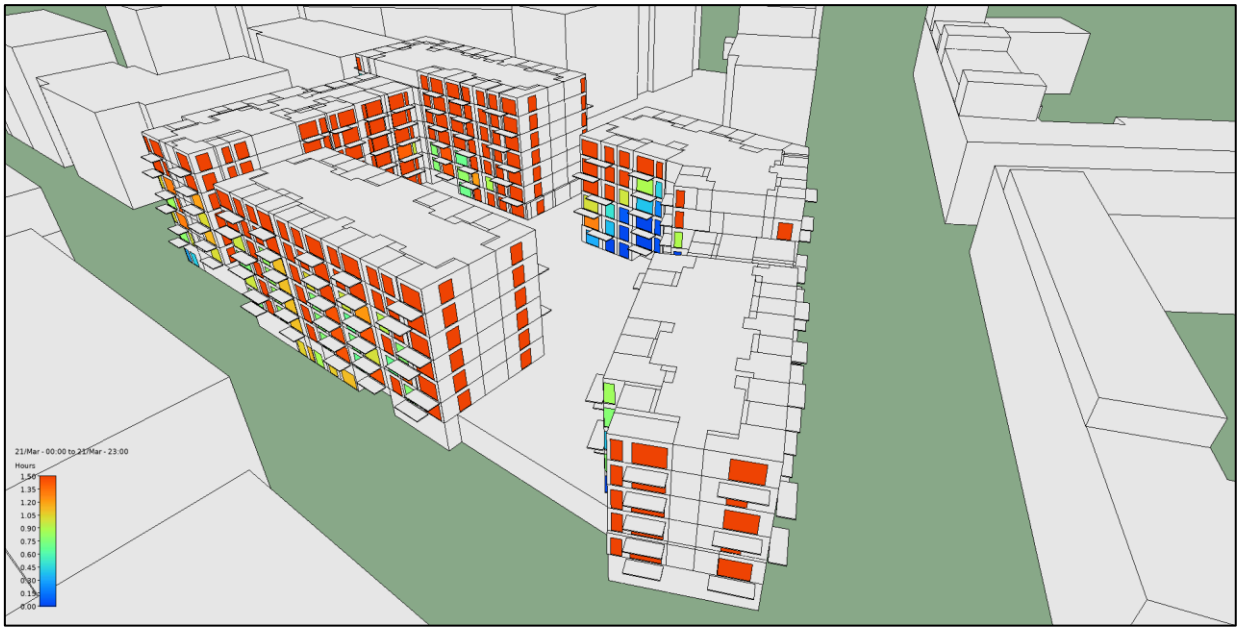


Figure 92: Sunlight Exposure March 21st (2022 Methodology Min Level) – SW Elevation (Zone 8)

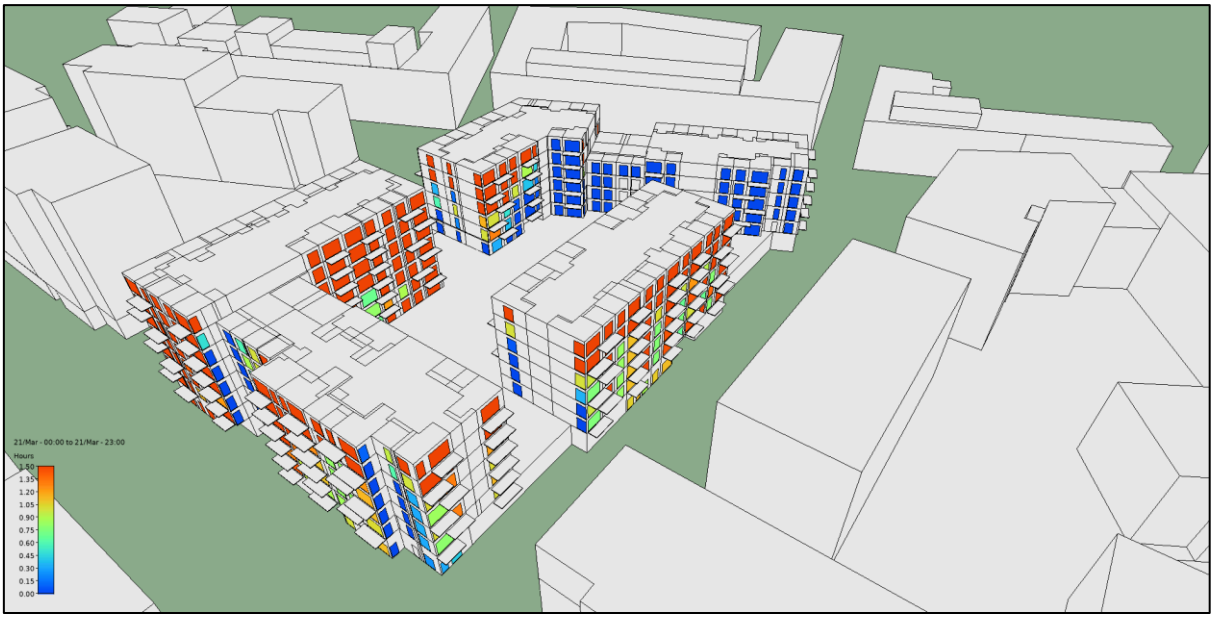


Figure 93: Sunlight Exposure March 21st (2022 Methodology Min Level) – NW Elevation (Zone 8)

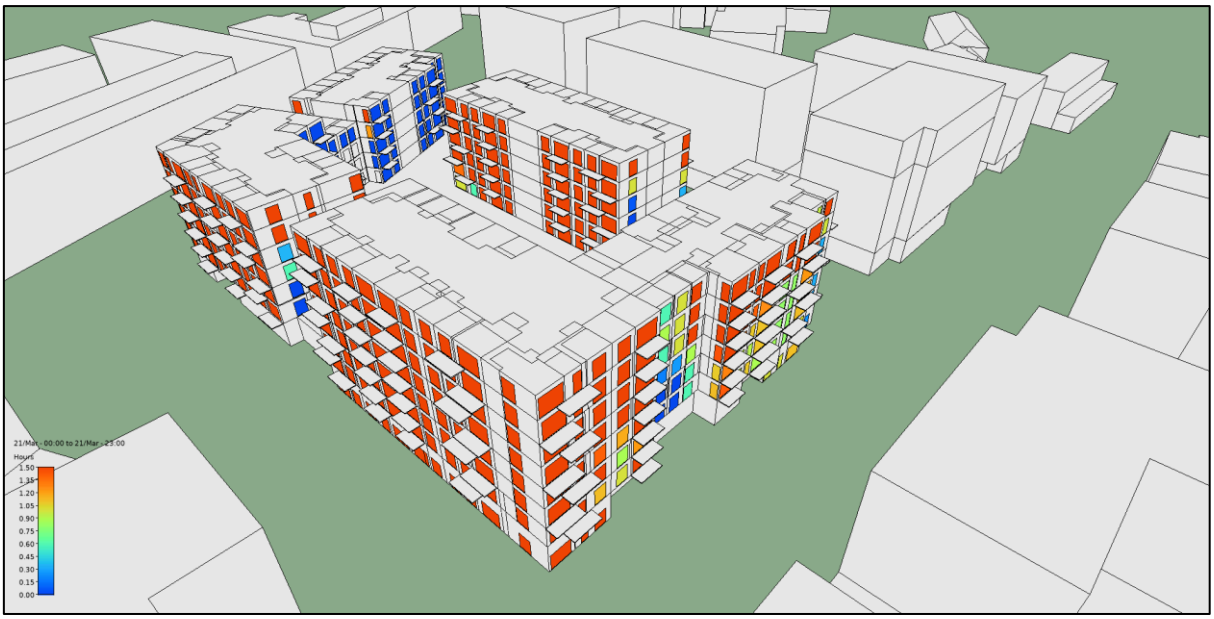


Figure 94: Sunlight Exposure March 21st (2022 Methodology Min Level) – NE Elevation (Zone 8)



Figure 95: Sunlight Exposure March 21st (2022 Methodology Medium Level) – SE Elevation (Zone 8)

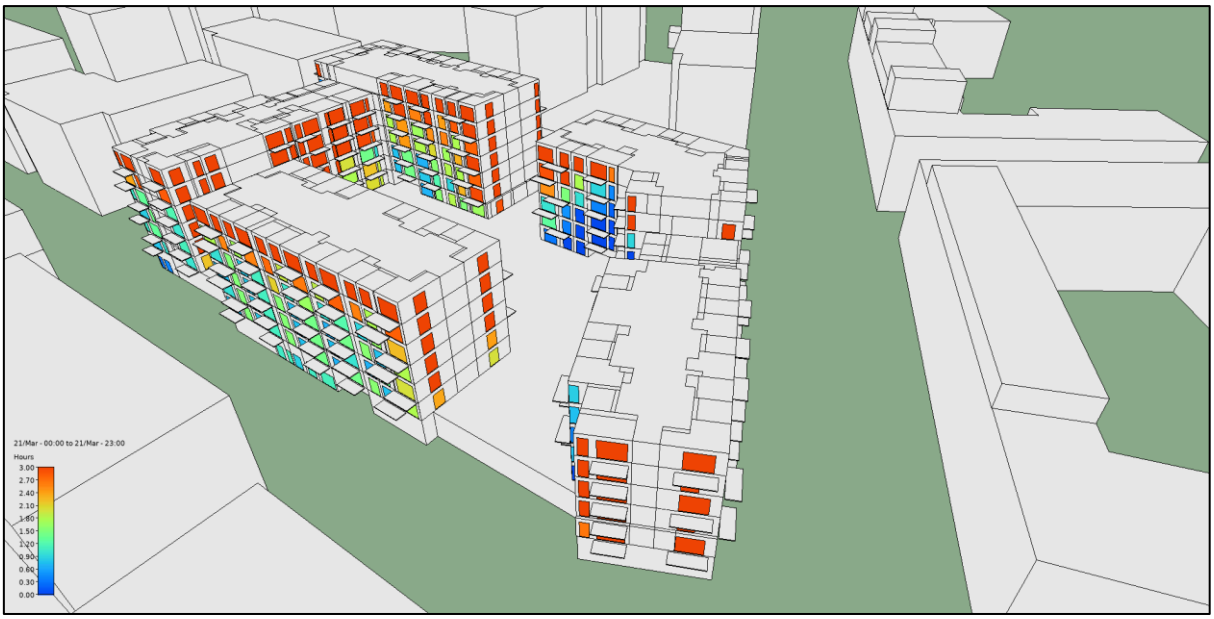


Figure 96: Sunlight Exposure March 21st (2022 Methodology Medium Level) – SW Elevation (Zone 8)

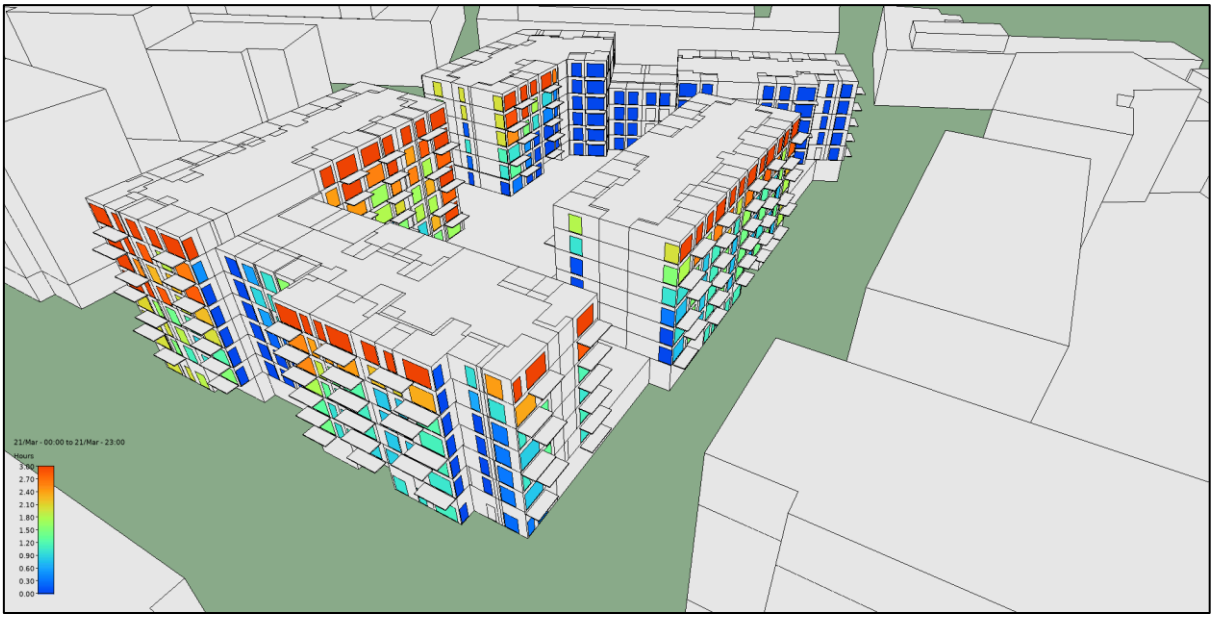


Figure 97: Sunlight Exposure March 21st (2022 Methodology Medium Level) – NW Elevation (Zone 8)

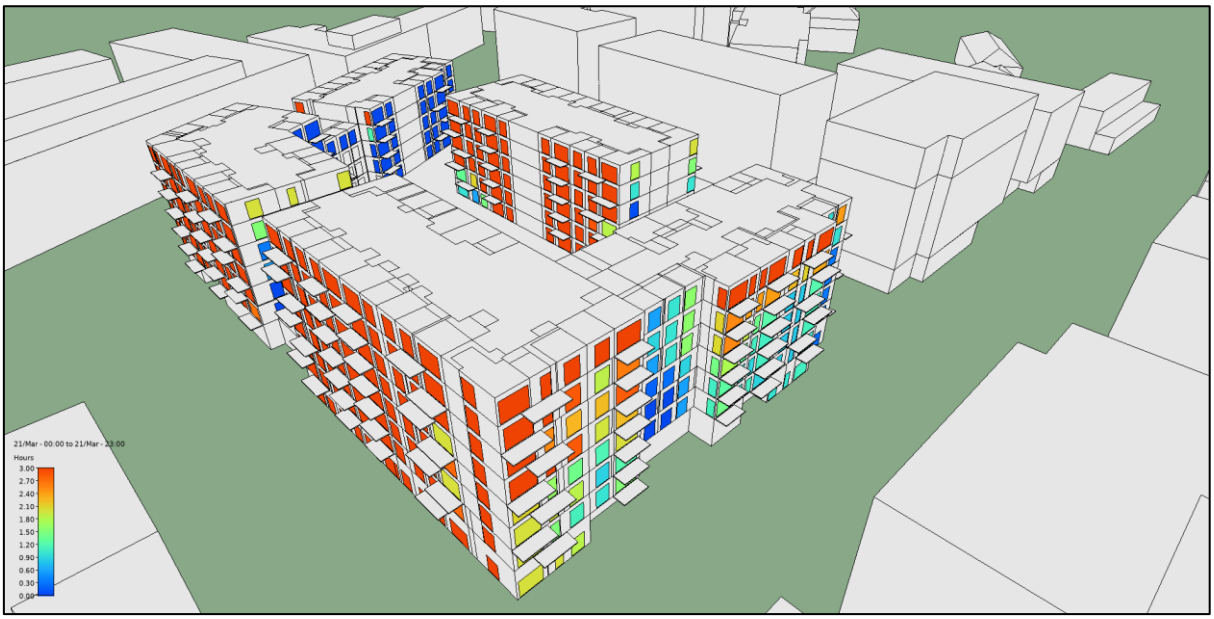


Figure 98: Sunlight Exposure March 21st (2022 Methodology Medium Level) – NE Elevation (Zone 8)

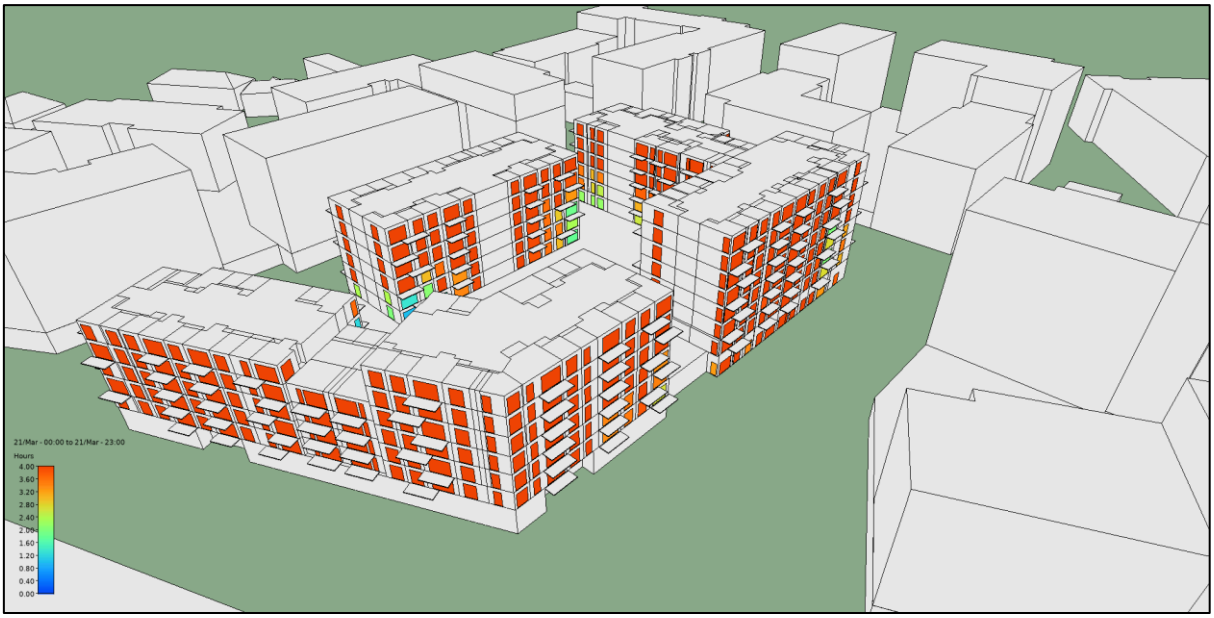


Figure 99: Sunlight Exposure March 21st (2022 Methodology High Level) – SE Elevation (Zone 8)

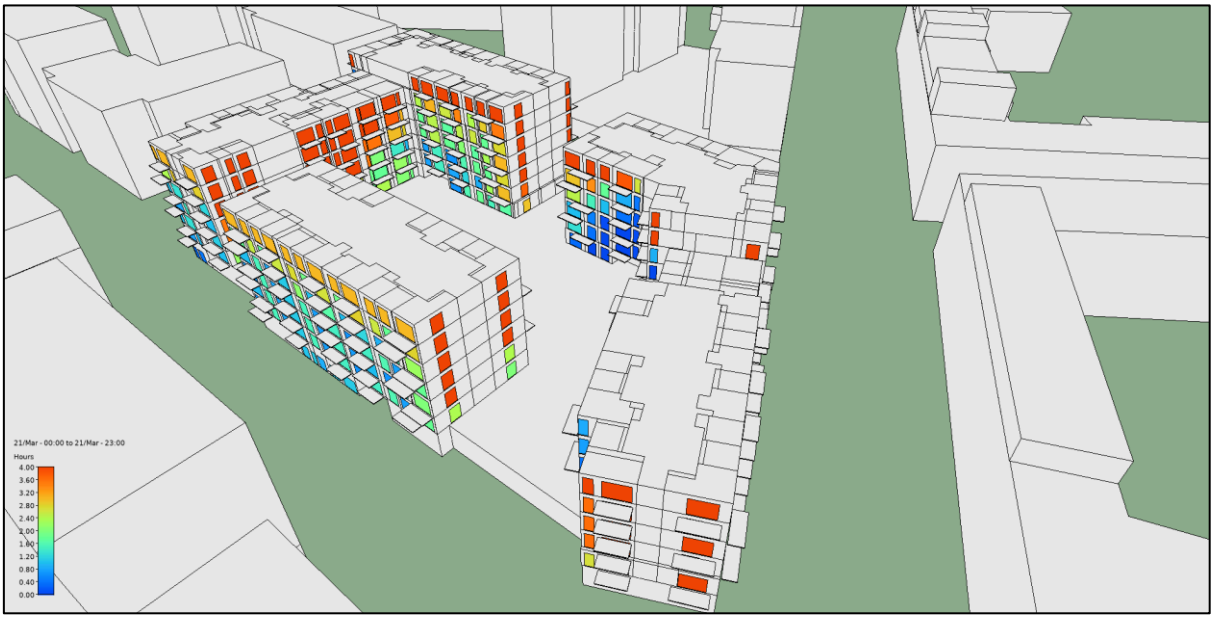


Figure 100: Sunlight Exposure March 21st (2022 Methodology High Level) – SW Elevation (Zone 8)

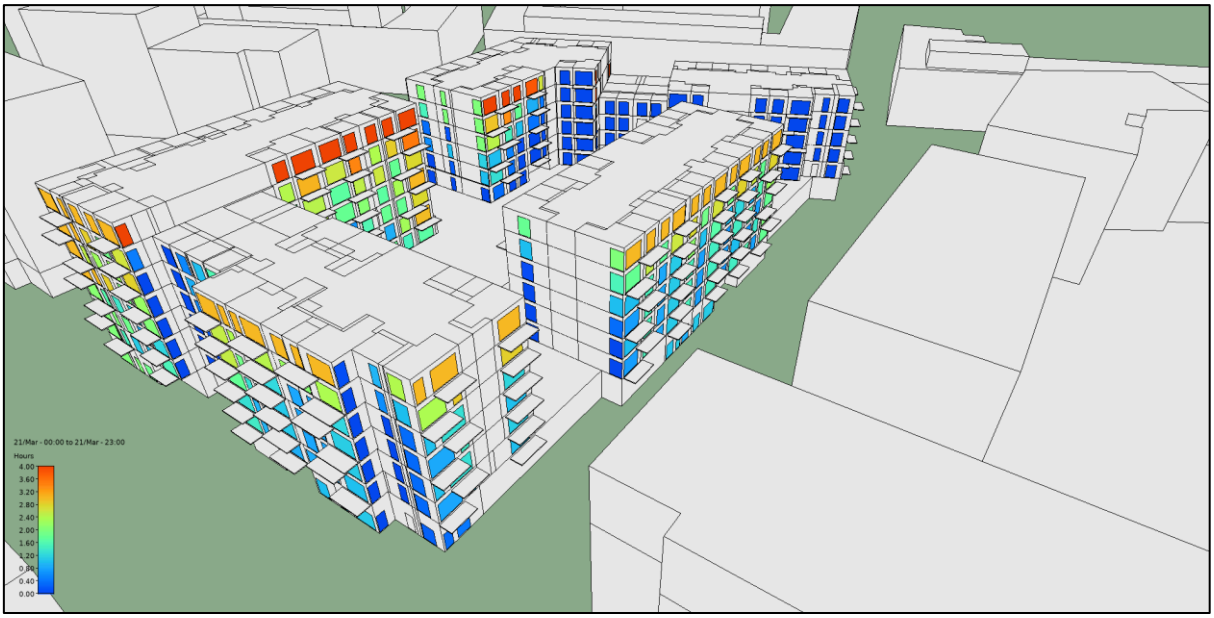


Figure 101: Sunlight Exposure March 21st (2022 Methodology High Level) – NW Elevation (Zone 8)

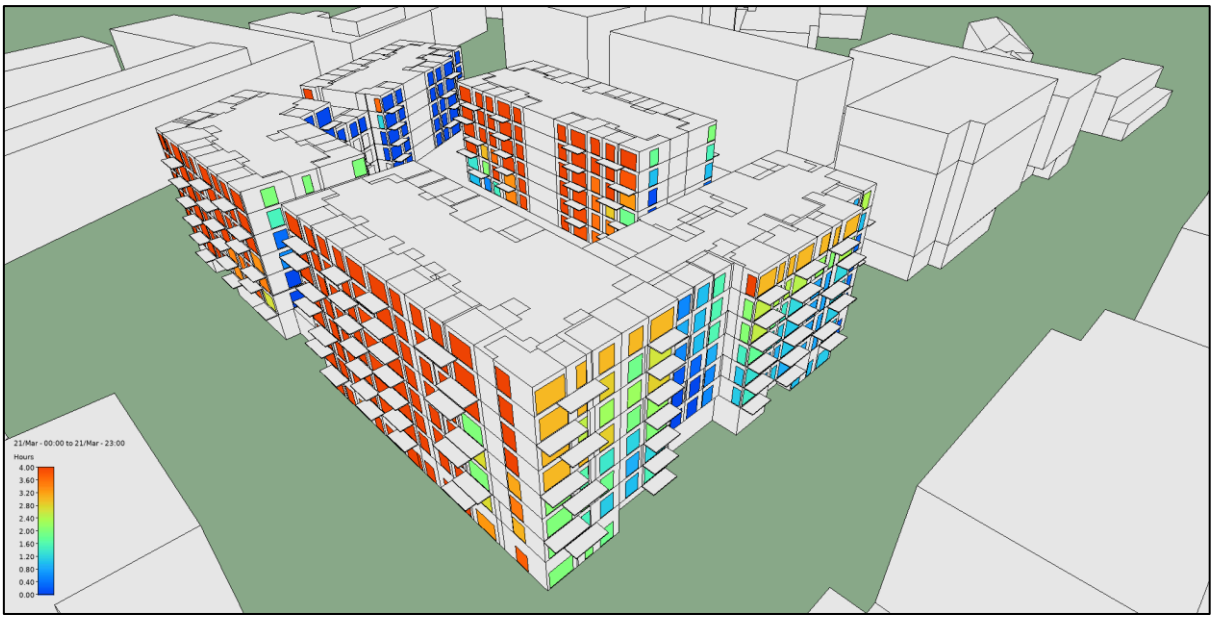


Figure 102: Sunlight Exposure March 21st (2022 Methodology High Level) – NE Elevation (Zone 8)



Figure 103: Sunlight Exposure March 21st (2022 Methodology Min Level) – SE Elevation (Zone 9)



Figure 104: Sunlight Exposure March 21st (2022 Methodology Min Level) – SW Elevation (Zone 9)

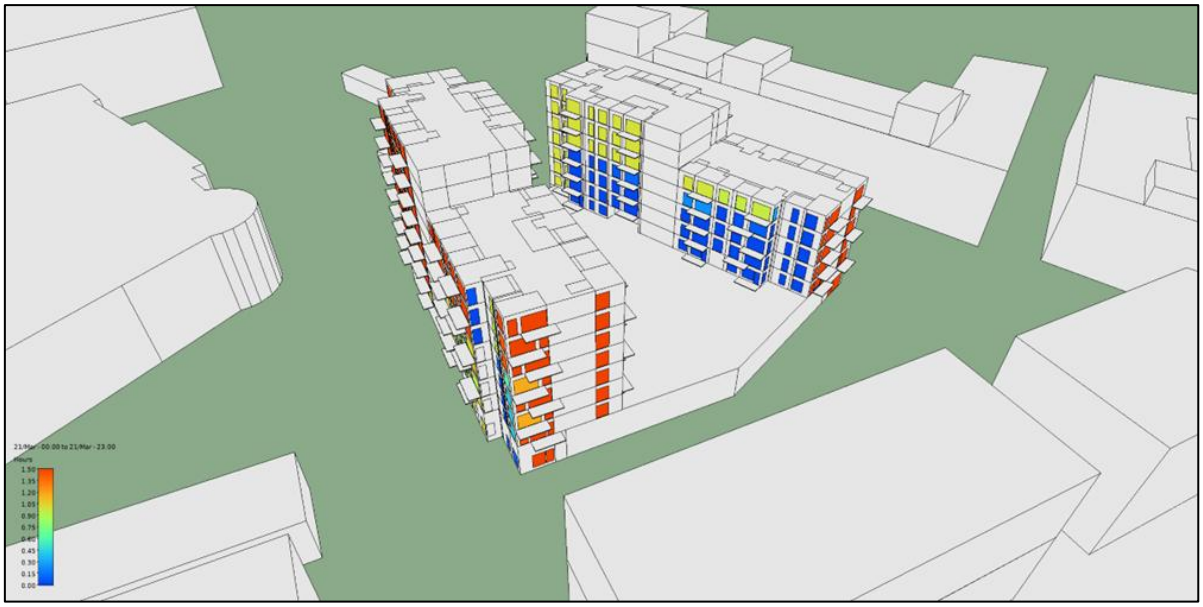


Figure 105: Sunlight Exposure March 21st (2022 Methodology Min Level) – NW Elevation (Zone 9)



Figure 106: Sunlight Exposure March 21st (2022 Methodology Min Level) – NE Elevation (Zone 9)



Figure 107: Sunlight Exposure March 21st (2022 Methodology Medium Level) – SE Elevation (Zone 9)



Figure 108: Sunlight Exposure March 21st (2022 Methodology Medium Level) – SW Elevation (Zone 9)

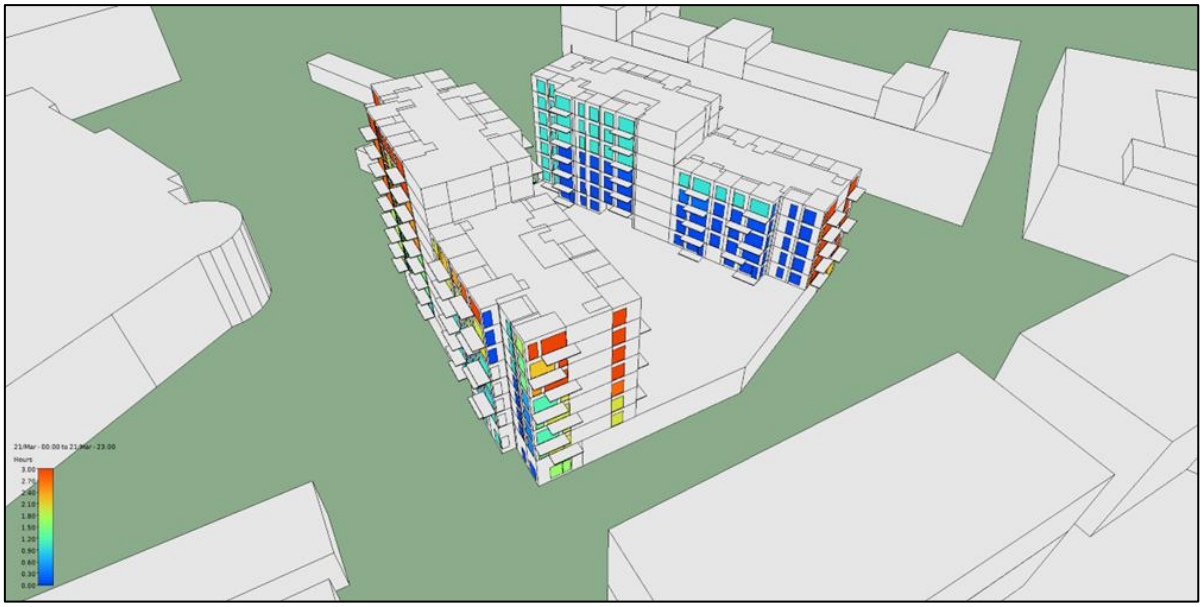


Figure 109: Sunlight Exposure March 21st (2022 Methodology Medium Level) – NW Elevation (Zone 9)

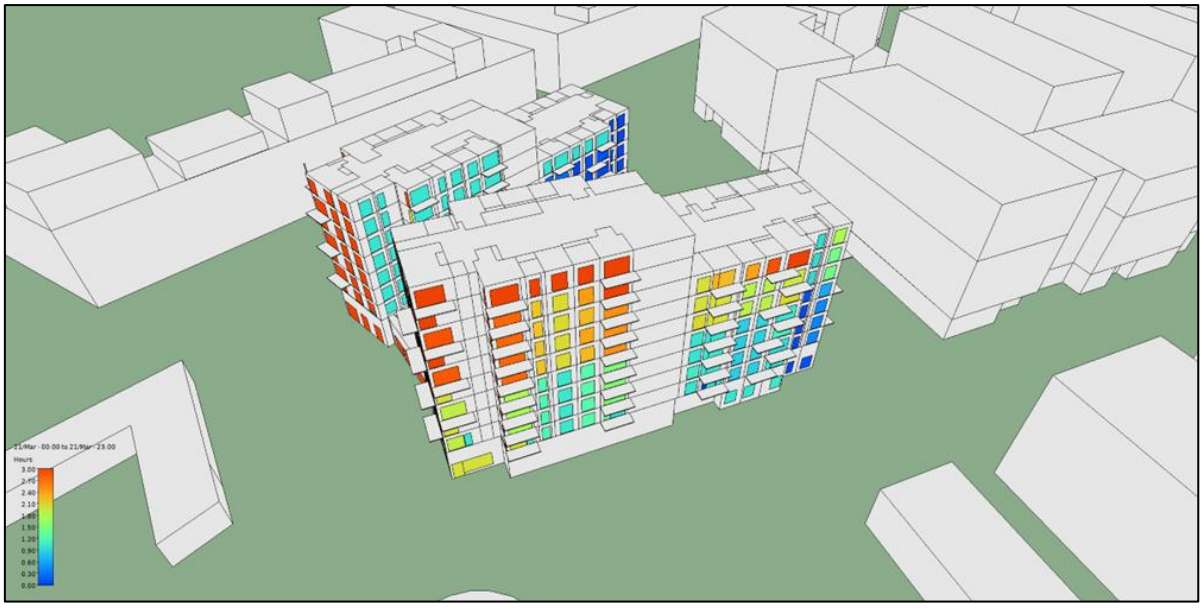


Figure 110: Sunlight Exposure March 21st (2022 Methodology Medium Level) – NE Elevation (Zone 9)



Figure 111: Sunlight Exposure March 21st (2022 Methodology High Level) – SE Elevation (Zone 9)

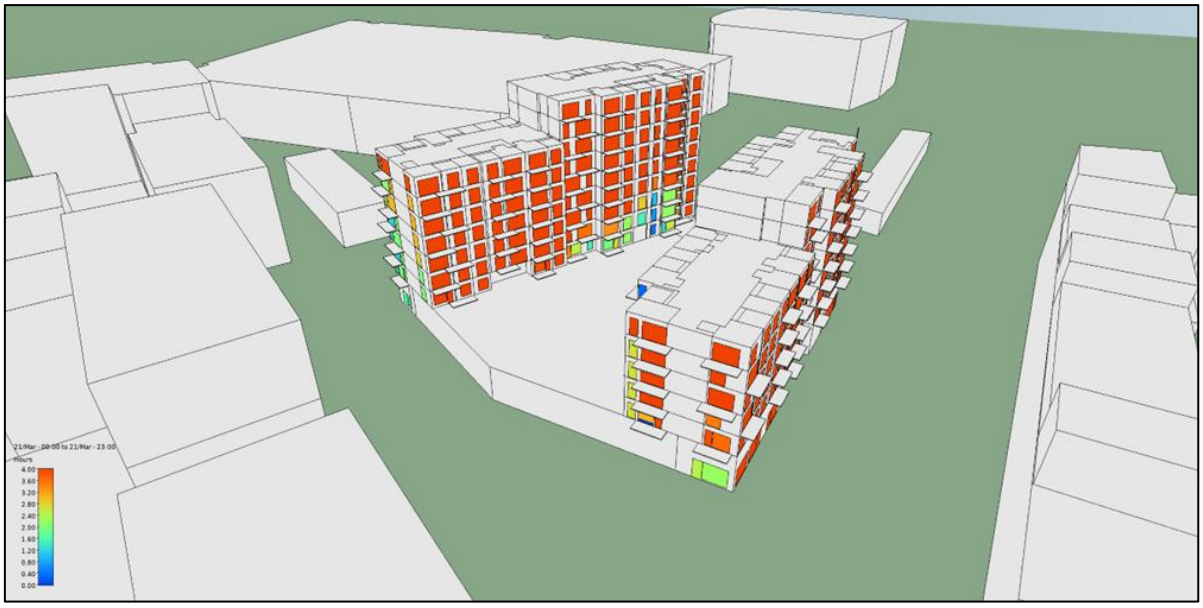


Figure 112: Sunlight Exposure March 21st (2022 Methodology High Level) – SW Elevation (Zone 9)



Figure 113: Sunlight Exposure March 21st (2022 Methodology High Level) – NW Elevation (Zone 9)

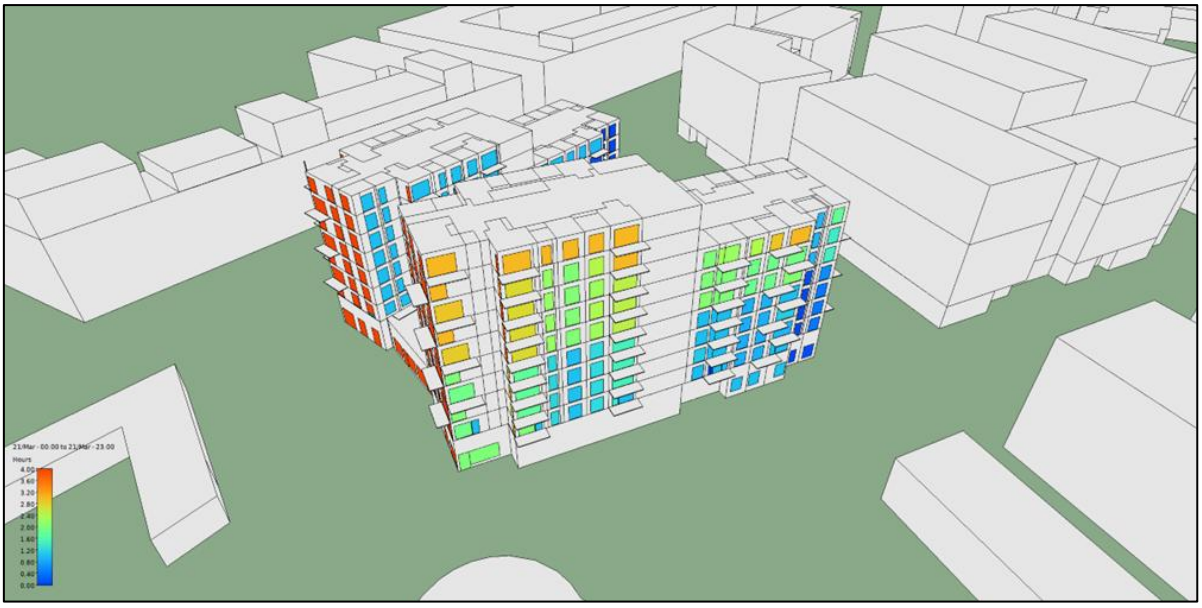


Figure 114: Sunlight Exposure March 21st (2022 Methodology High Level) – NE Elevation (Zone 9)

8 ASSESSING THE IMPACT ON SURROUNDING PROPERTIES

DAYLIGHT & SUNLIGHT IMPACT METHODOLOGY

As per the BRE Guidelines it is important to safeguard the daylight to nearby buildings, from a proposed development, where a reasonable expectation of daylight is required. The flow matrix below outlines the criteria to be assessed, as per the BRE Guidelines, in order to ascertain any potential impact to adjacent buildings from the proposed development.

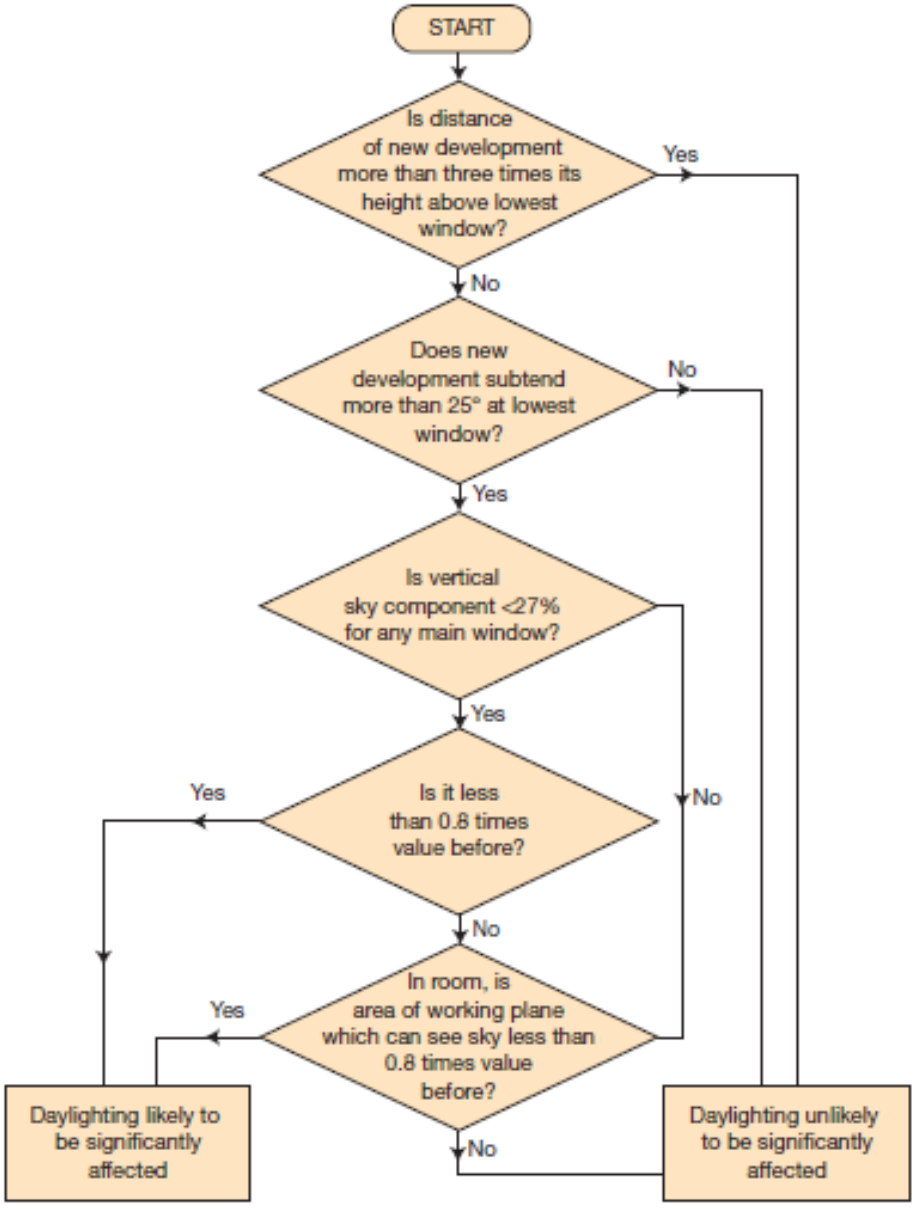


Figure 115: Daylight Assessment Methodology for Adjacent Properties

DISTANCE FROM THE PROPOSED DEVELOPMENT – STEP 1

As per the flow matrix, the loss of light to existing windows is not required to be analysed 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 windows. Otherwise, BRE guideline provide the following methods for assessing daylight availability.

25° LINE CRITERIA – STEP 2

In the first instance, if a proposed development falls beneath a 25° angle taken from a point 1.6 metres above ground level from any adjacent properties, then the BRE Guidelines say that no further analysis is required in relation to impact on surrounding properties as adequate skylight will still be available. If the proposed development extends beyond the 25° line, then further analysis is required (Step 3).

VERTICAL SKY COMPONENT – STEP 3

The following method is known as the Vertical Sky Component (VSC). The VSC calculation is the ratio of the direct sky illuminance falling on the outside of a window, to the simultaneous horizontal illuminance under an unobstructed sky. The BRE Guide sets out two guidelines for the VSC:

- If the VSC at the centre of the existing window exceeds 27% with the new development in place, then enough sky light should still be reaching the existing window;
- If the VSC with the new development in place is both less than 27% and less than 80% its former value, then the reduction in light to the window is likely to be noticeable;
- This means that even if the VSC is less than 27%, as long as the VSC value is still greater than 80% of its former value, this would be acceptable and thus the impact would be considered negligible.

It is important to note that the VSC is a simple geometrical calculation which provides an early indication of the potential for daylight entering the space. However, it does not assess or quantify the actual daylight levels inside the rooms. If the VSC standard is not met on any window, Step 4 is then followed.

NO SKY LINE – STEP 4

This method is the No Sky Line or Daylight Distribution Method. This method assesses the change in position of the No Sky Line between the existing and proposed situations. It does take into account the number and size of windows to a room, but still does not give any qualitative or quantitative assessment of the light in the room, only where sky can or cannot be seen. Thus, as this method is limited, Step 3 is considered more appropriate.

The next two sections on the following pages outline the details of the analysis undertaken in relation to adjacent properties.

IDENTIFYING SENSITIVE RECEPTORS

As per Section 5 of Appendix 16 of the Dublin City Development Plan 2022–2028, the following impacts should be assessed on the relevant surrounding properties:

- Vertical Sky Component on all relevant surrounding windows;
- Annual Probable Sunlight Hours on all relevant surrounding properties;
- Winter Sunlight Hours on all relevant surrounding windows; and
- Sunlight on Ground in all surrounding amenity spaces.

Prior to following the flow matrix, first the key sensitive receptors around the site need to be identified. According to the BRE Guide, sensitive receptors are described as:

- Habitable rooms in residential buildings, where the occupants have a reasonable expectation of daylight;
- Other sensitive receptors are gardens and open spaces on adjacent properties to the new scheme, excluding public footpaths, front gardens and car parks. In accordance with the BRE Guide, windows are selected as sensitive receptors on the basis of being a habitable room facing the proposed development.

Similarly, amenities and open spaces are selected on the basis of being in the immediate vicinity of the proposed development. The primary purpose of a daylight, sunlight and overshadowing assessment is to determine the likely loss of light to adjacent buildings resulting from the construction of the proposed development.

Therefore, in this case, the proposed development is identified as the potential source of impact. The sensitive receptors identified for this study are windows of habitable rooms facing the site where the occupants have a reasonable expectation of daylight. Table 79 identifies all sensitive receptors analysed, whilst Figure 116 identifies their location.

Development Ref.	Development name	Status
Ref. 1	Block 12, Apartments	Existing
Ref. 2	Block 12, Apartments	Existing
Ref. 3	Block 20, Apartments	Existing
Ref. 4	Block 21, Apartments	Existing
Ref. 5	Block 22, Apartments	Existing
Ref. 6	Ref. 6, Apartments	Existing
Ref. 7	Block 2, Apartments	Existing
Ref. 8	Block 2, Apartments	Existing
Ref. 9	Houses	Existing

Ref. 10	Houses	Approved
Ref. 11	Houses	Approved
Ref. 12	Block 5, Apartments	Approved

Table 79: Sensitive Receptors Surrounding the Proposed Development



Figure 116: Location of Sensitive Receptors

DAYLIGHT IMPACT ON SURROUNDING PROPERTIES

25º line criteria

BRE Guidelines state that if a proposed development falls beneath a 25° line taken from a point 1.6 metres above ground level from any adjacent properties, then no impact is perceived, and further analysis is not required. This methodology was followed for this analysis (to assess the impact of the reduction in block heights), as it was followed for the initial assessment for the permitted.
As the sensitivity receptors fall above the 25° line (Step 2), a VSC assessment was then carried out (Step 3).

VSC > 27%

As previously outlined, sensitive receptor ref. 1 to 12 have been selected for VSC analysis. All the windows of adjacent properties were modelled to give a good indication of the daylight impact that will be perceived by sensitive receptor ref. 1 to 12.

Since the VSC with the proposed development in place falls below 27% for certain spaces, the achieved VSC levels have been compared with both the previously permitted development and a mirror-image scenario (which assumes a building of the same height as the adjacent properties on the currently vacant site). This comparison has been undertaken to determine whether any reduction in light accords with BRE Guideline recommendations and whether the VSC continues to achieve at least 80% of its former value once the proposed development is in place. Additionally, the daylight level (Lux level) has been analysed in the few worst-case rooms in the adjacent properties where the VSC is low to ensure that these rooms still receive sufficient daylight.

As the site is located within an established compact, urban area, on zoned residential lands, it represents a prime opportunity to deliver compact and sustainable development in line with national and local planning policy. It is generally accepted in urban planning that a certain level of impact, particularly in relation to daylight and sunlight is unavoidable in high density urban environments. In this case, there should be a balanced and flexible approach where there is a significant need to optimise land use in serviced urban areas and the objective of achieving urban regeneration and compact growth as articulated in Section 5.3.7 of the 2024 Sustainable Residential Development and Compact Settlements Guidelines for Planning Authorities which state that:

"In drawing conclusions in relation to daylight performance, planning authorities must weigh up the overall quality of the design and layout of the scheme and the measures proposed to maximise daylight provision, against the location of the site and the general presumption in favour of increased scales of urban residential development."

Ref. 1



Figure 117: Location of sensitive receptors – Ref. 1

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines
1	34.17%	≥ 27%	Y
2	34.09%	≥ 27%	Y
3	34.05%	≥ 27%	Y
4	33.81%	≥ 27%	Y
5	33.14%	≥ 27%	Y
6	32.94%	≥ 27%	Y
7	32.23%	≥ 27%	Y
8	31.61%	≥ 27%	Y
9	30.84%	≥ 27%	Y
10	32.62%	≥ 27%	Y
11	32.45%	≥ 27%	Y
12	32.58%	≥ 27%	Y
13	32.11%	≥ 27%	Y
14	31.87%	≥ 27%	Y
15	31.58%	≥ 27%	Y
16	30.99%	≥ 27%	Y
17	30.09%	≥ 27%	Y
18	29.53%	≥ 27%	Y

Table 80: VSC Results (Ref. 1)

Ref. 2



Figure 118: Location of sensitive receptors – Ref. 2

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines
1	36.98%	≥ 27%	Y
2	37.16%	≥ 27%	Y
3	37.43%	≥ 27%	Y
4	37.64%	≥ 27%	Y
5	37.81%	≥ 27%	Y
6	37.96%	≥ 27%	Y
7	37.85%	≥ 27%	Y
8	36.04%	≥ 27%	Y
9	36.52%	≥ 27%	Y
10	36.88%	≥ 27%	Y
11	37.16%	≥ 27%	Y
12	37.08%	≥ 27%	Y
13	37.55%	≥ 27%	Y
14	37.59%	≥ 27%	Y

Table 81: VSC Results (Ref. 2)

Ref. 3



Figure 119: Location of sensitive receptors – Ref. 3

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
1	33.63%	≥27%	Y	NA	NA	NA	NA	NA
2	33.04%	≥27%	Y	NA	NA	NA	NA	NA
3	32.38%	≥27%	Y	NA	NA	NA	NA	NA
4	31.86%	≥27%	Y	NA	NA	NA	NA	NA
5	31.50%	≥27%	Y	NA	NA	NA	NA	NA
6	30.98%	≥27%	Y	NA	NA	NA	NA	NA
7	30.02%	≥27%	Y	NA	NA	NA	NA	NA
8	29.51%	≥27%	Y	NA	NA	NA	NA	NA
9	28.82%	≥27%	Y	NA	NA	NA	NA	NA
10	28.11%	≥27%	Y	NA	NA	NA	NA	NA
11	26.13%	≥27%	N	26.27%	99%	28.23%	93%	Y
12	25.43%	≥27%	N	25.92%	98%	27.68%	92%	Y
13	25.37%	≥27%	N	26.26%	97%	27.54%	92%	Y
14	24.57%	≥27%	N	26.11%	94%	27.92%	88%	Y
15	24.99%	≥27%	N	26.41%	95%	28.36%	88%	Y
16	25.00%	≥27%	N	26.20%	95%	28.57%	88%	Y
17	25.50%	≥27%	N	26.27%	97%	28.88%	88%	Y

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
18	25.80%	≥27%	N	26.39%	98%	29.13%	89%	Y
19	26.35%	≥27%	N	26.90%	98%	29.41%	90%	Y
20	26.85%	≥27%	N	26.73%	100%	29.07%	92%	Y
21	27.50%	≥27%	Y	NA	NA	NA	NA	NA
22	28.13%	≥27%	Y	NA	NA	NA	NA	NA
23	28.82%	≥27%	Y	NA	NA	NA	NA	NA
24	28.95%	≥27%	Y	NA	NA	NA	NA	NA
25	29.61%	≥27%	Y	NA	NA	NA	NA	NA
26	34.48%	≥27%	Y	NA	NA	NA	NA	NA
27	34.46%	≥27%	Y	NA	NA	NA	NA	NA
28	33.47%	≥27%	Y	NA	NA	NA	NA	NA
29	33.15%	≥27%	Y	NA	NA	NA	NA	NA
30	32.78%	≥27%	Y	NA	NA	NA	NA	NA
31	32.34%	≥27%	Y	NA	NA	NA	NA	NA
32	31.33%	≥27%	Y	NA	NA	NA	NA	NA
33	30.99%	≥27%	Y	NA	NA	NA	NA	NA
34	30.28%	≥27%	Y	NA	NA	NA	NA	NA
35	30.01%	≥27%	Y	NA	NA	NA	NA	NA
36	28.42%	≥27%	Y	NA	NA	NA	NA	NA
37	27.90%	≥27%	Y	NA	NA	NA	NA	NA
38	27.21%	≥27%	Y	NA	NA	NA	NA	NA
39	27.06%	≥27%	Y	NA	NA	NA	NA	NA
40	27.23%	≥27%	Y	NA	NA	NA	NA	NA
41	27.74%	≥27%	Y	NA	NA	NA	NA	NA
42	27.94%	≥27%	Y	NA	NA	NA	NA	NA
43	28.16%	≥27%	Y	NA	NA	NA	NA	NA
44	28.55%	≥27%	Y	NA	NA	NA	NA	NA
45	29.31%	≥27%	Y	NA	NA	NA	NA	NA
46	29.76%	≥27%	Y	NA	NA	NA	NA	NA
47	30.21%	≥27%	Y	NA	NA	NA	NA	NA
48	31.03%	≥27%	Y	NA	NA	NA	NA	NA
49	31.16%	≥27%	Y	NA	NA	NA	NA	NA
50	31.54%	≥27%	Y	NA	NA	NA	NA	NA
51	35.70%	≥27%	Y	NA	NA	NA	NA	NA
52	35.28%	≥27%	Y	NA	NA	NA	NA	NA
53	34.91%	≥27%	Y	NA	NA	NA	NA	NA
54	34.33%	≥27%	Y	NA	NA	NA	NA	NA
55	33.89%	≥27%	Y	NA	NA	NA	NA	NA

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
56	33.84%	≥27%	Y	NA	NA	NA	NA	NA
57	33.09%	≥27%	Y	NA	NA	NA	NA	NA
58	32.48%	≥27%	Y	NA	NA	NA	NA	NA
59	32.19%	≥27%	Y	NA	NA	NA	NA	NA
60	31.65%	≥27%	Y	NA	NA	NA	NA	NA
61	30.09%	≥27%	Y	NA	NA	NA	NA	NA
62	29.86%	≥27%	Y	NA	NA	NA	NA	NA
63	29.56%	≥27%	Y	NA	NA	NA	NA	NA
64	29.35%	≥27%	Y	NA	NA	NA	NA	NA
65	29.62%	≥27%	Y	NA	NA	NA	NA	NA
66	29.71%	≥27%	Y	NA	NA	NA	NA	NA
67	29.96%	≥27%	Y	NA	NA	NA	NA	NA
68	30.52%	≥27%	Y	NA	NA	NA	NA	NA
69	31.09%	≥27%	Y	NA	NA	NA	NA	NA
70	31.31%	≥27%	Y	NA	NA	NA	NA	NA
71	31.58%	≥27%	Y	NA	NA	NA	NA	NA
72	32.45%	≥27%	Y	NA	NA	NA	NA	NA
73	32.79%	≥27%	Y	NA	NA	NA	NA	NA
74	33.19%	≥27%	Y	NA	NA	NA	NA	NA
75	33.43%	≥27%	Y	NA	NA	NA	NA	NA
76	36.70%	≥27%	Y	NA	NA	NA	NA	NA
77	36.30%	≥27%	Y	NA	NA	NA	NA	NA
78	36.13%	≥27%	Y	NA	NA	NA	NA	NA
79	35.69%	≥27%	Y	NA	NA	NA	NA	NA
80	35.47%	≥27%	Y	NA	NA	NA	NA	NA
81	35.03%	≥27%	Y	NA	NA	NA	NA	NA
82	34.57%	≥27%	Y	NA	NA	NA	NA	NA
83	34.04%	≥27%	Y	NA	NA	NA	NA	NA
84	33.72%	≥27%	Y	NA	NA	NA	NA	NA
85	33.52%	≥27%	Y	NA	NA	NA	NA	NA
86	32.32%	≥27%	Y	NA	NA	NA	NA	NA
87	31.81%	≥27%	Y	NA	NA	NA	NA	NA
88	31.87%	≥27%	Y	NA	NA	NA	NA	NA
89	31.79%	≥27%	Y	NA	NA	NA	NA	NA
90	31.98%	≥27%	Y	NA	NA	NA	NA	NA
91	32.32%	≥27%	Y	NA	NA	NA	NA	NA
92	32.64%	≥27%	Y	NA	NA	NA	NA	NA
93	32.82%	≥27%	Y	NA	NA	NA	NA	NA

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
94	33.48%	≥27%	Y	NA	NA	NA	NA	NA
95	33.53%	≥27%	Y	NA	NA	NA	NA	NA
96	33.83%	≥27%	Y	NA	NA	NA	NA	NA
97	34.57%	≥27%	Y	NA	NA	NA	NA	NA
98	34.71%	≥27%	Y	NA	NA	NA	NA	NA
99	35.01%	≥27%	Y	NA	NA	NA	NA	NA
100	35.06%	≥27%	Y	NA	NA	NA	NA	NA
101	37.75%	≥27%	Y	NA	NA	NA	NA	NA
102	37.49%	≥27%	Y	NA	NA	NA	NA	NA
103	36.98%	≥27%	Y	NA	NA	NA	NA	NA
104	36.77%	≥27%	Y	NA	NA	NA	NA	NA
105	36.15%	≥27%	Y	NA	NA	NA	NA	NA
106	35.35%	≥27%	Y	NA	NA	NA	NA	NA
107	34.82%	≥27%	Y	NA	NA	NA	NA	NA
108	34.58%	≥27%	Y	NA	NA	NA	NA	NA
109	34.40%	≥27%	Y	NA	NA	NA	NA	NA
110	34.25%	≥27%	Y	NA	NA	NA	NA	NA
111	34.38%	≥27%	Y	NA	NA	NA	NA	NA
112	34.55%	≥27%	Y	NA	NA	NA	NA	NA
113	34.96%	≥27%	Y	NA	NA	NA	NA	NA
114	35.35%	≥27%	Y	NA	NA	NA	NA	NA
115	35.81%	≥27%	Y	NA	NA	NA	NA	NA
116	35.09%	≥27%	Y	NA	NA	NA	NA	NA
117	36.17%	≥27%	Y	NA	NA	NA	NA	NA
118	36.09%	≥27%	Y	NA	NA	NA	NA	NA
119	38.17%	≥27%	Y	NA	NA	NA	NA	NA
120	37.92%	≥27%	Y	NA	NA	NA	NA	NA
121	37.92%	≥27%	Y	NA	NA	NA	NA	NA
122	37.71%	≥27%	Y	NA	NA	NA	NA	NA
123	36.02%	≥27%	Y	NA	NA	NA	NA	NA
124	35.96%	≥27%	Y	NA	NA	NA	NA	NA
125	37.33%	≥27%	Y	NA	NA	NA	NA	NA
126	37.46%	≥27%	Y	NA	NA	NA	NA	NA

Table 82: VSC Results (Ref. 3)

Ref. 4



Figure 120: Location of sensitive receptors – Ref. 4

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
1	29.61%	≥27%	Y	NA	NA	NA	NA	NA
2	30.01%	≥27%	Y	NA	NA	NA	NA	NA
3	29.52%	≥27%	Y	NA	NA	NA	NA	NA
4	29.32%	≥27%	Y	NA	NA	NA	NA	NA
5	39.17%	≥27%	Y	NA	NA	NA	NA	NA
6	28.96%	≥27%	Y	NA	NA	NA	NA	NA
7	28.30%	≥27%	Y	NA	NA	NA	NA	NA
8	28.18%	≥27%	Y	NA	NA	NA	NA	NA
9	28.17%	≥27%	Y	NA	NA	NA	NA	NA
10	27.76%	≥27%	Y	NA	NA	NA	NA	NA
11	27.19%	≥27%	Y	NA	NA	NA	NA	NA
12	27.11%	≥27%	Y	NA	NA	NA	NA	NA
13	27.10%	≥27%	Y	NA	NA	NA	NA	NA
14	27.24%	≥27%	Y	NA	NA	NA	NA	NA
15	26.63%	≥27%	N	28.63%	93%	23.73%	112%	Y
16	27.01%	≥27%	Y	NA	NA	NA	NA	NA
17	26.91%	≥27%	N	29.25%	92%	23.70%	114%	Y
18	27.12%	≥27%	Y	NA	NA	NA	NA	NA
19	27.27%	≥27%	Y	NA	NA	NA	NA	NA
20	27.78%	≥27%	Y	NA	NA	NA	NA	NA

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
21	27.60%	≥27%	Y	NA	NA	NA	NA	NA
22	28.51%	≥27%	Y	NA	NA	NA	NA	NA
23	28.47%	≥27%	Y	NA	NA	NA	NA	NA
24	31.19%	≥27%	Y	NA	NA	NA	NA	NA
25	31.78%	≥27%	Y	NA	NA	NA	NA	NA
26	31.65%	≥27%	Y	NA	NA	NA	NA	NA
27	30.80%	≥27%	Y	NA	NA	NA	NA	NA
28	31.23%	≥27%	Y	NA	NA	NA	NA	NA
29	31.00%	≥27%	Y	NA	NA	NA	NA	NA
30	30.75%	≥27%	Y	NA	NA	NA	NA	NA
31	30.29%	≥27%	Y	NA	NA	NA	NA	NA
32	30.32%	≥27%	Y	NA	NA	NA	NA	NA
33	30.25%	≥27%	Y	NA	NA	NA	NA	NA
34	30.15%	≥27%	Y	NA	NA	NA	NA	NA
35	29.61%	≥27%	Y	NA	NA	NA	NA	NA
36	29.71%	≥27%	Y	NA	NA	NA	NA	NA
37	29.57%	≥27%	Y	NA	NA	NA	NA	NA
38	29.15%	≥27%	Y	NA	NA	NA	NA	NA
39	30.14%	≥27%	Y	NA	NA	NA	NA	NA
40	29.81%	≥27%	Y	NA	NA	NA	NA	NA
41	29.57%	≥27%	Y	NA	NA	NA	NA	NA
42	29.92%	≥27%	Y	NA	NA	NA	NA	NA
43	30.23%	≥27%	Y	NA	NA	NA	NA	NA
44	30.16%	≥27%	Y	NA	NA	NA	NA	NA
45	30.90%	≥27%	Y	NA	NA	NA	NA	NA
46	30.87%	≥27%	Y	NA	NA	NA	NA	NA
47	33.18%	≥27%	Y	NA	NA	NA	NA	NA
48	33.50%	≥27%	Y	NA	NA	NA	NA	NA
49	33.20%	≥27%	Y	NA	NA	NA	NA	NA
50	32.65%	≥27%	Y	NA	NA	NA	NA	NA
51	32.81%	≥27%	Y	NA	NA	NA	NA	NA
52	32.83%	≥27%	Y	NA	NA	NA	NA	NA
53	32.55%	≥27%	Y	NA	NA	NA	NA	NA
54	32.52%	≥27%	Y	NA	NA	NA	NA	NA
55	32.69%	≥27%	Y	NA	NA	NA	NA	NA
56	32.49%	≥27%	Y	NA	NA	NA	NA	NA
57	32.47%	≥27%	Y	NA	NA	NA	NA	NA
58	32.32%	≥27%	Y	NA	NA	NA	NA	NA
59	32.28%	≥27%	Y	NA	NA	NA	NA	NA
60	32.54%	≥27%	Y	NA	NA	NA	NA	NA
61	31.89%	≥27%	Y	NA	NA	NA	NA	NA
62	32.64%	≥27%	Y	NA	NA	NA	NA	NA
63	32.33%	≥27%	Y	NA	NA	NA	NA	NA
64	32.21%	≥27%	Y	NA	NA	NA	NA	NA
65	32.57%	≥27%	Y	NA	NA	NA	NA	NA

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
66	32.82%	≥27%	Y	NA	NA	NA	NA	NA
67	32.79%	≥27%	Y	NA	NA	NA	NA	NA
68	33.47%	≥27%	Y	NA	NA	NA	NA	NA
69	32.93%	≥27%	Y	NA	NA	NA	NA	NA
70	35.03%	≥27%	Y	NA	NA	NA	NA	NA
71	35.05%	≥27%	Y	NA	NA	NA	NA	NA
72	34.75%	≥27%	Y	NA	NA	NA	NA	NA
73	34.83%	≥27%	Y	NA	NA	NA	NA	NA
74	34.88%	≥27%	Y	NA	NA	NA	NA	NA
75	34.63%	≥27%	Y	NA	NA	NA	NA	NA
76	34.43%	≥27%	Y	NA	NA	NA	NA	NA
77	34.47%	≥27%	Y	NA	NA	NA	NA	NA
78	35.00%	≥27%	Y	NA	NA	NA	NA	NA
79	34.84%	≥27%	Y	NA	NA	NA	NA	NA
80	34.75%	≥27%	Y	NA	NA	NA	NA	NA
81	34.89%	≥27%	Y	NA	NA	NA	NA	NA
82	34.80%	≥27%	Y	NA	NA	NA	NA	NA
83	34.73%	≥27%	Y	NA	NA	NA	NA	NA
84	34.93%	≥27%	Y	NA	NA	NA	NA	NA
85	35.11%	≥27%	Y	NA	NA	NA	NA	NA
86	34.81%	≥27%	Y	NA	NA	NA	NA	NA
87	34.98%	≥27%	Y	NA	NA	NA	NA	NA
88	35.08%	≥27%	Y	NA	NA	NA	NA	NA
89	35.44%	≥27%	Y	NA	NA	NA	NA	NA
90	34.94%	≥27%	Y	NA	NA	NA	NA	NA
91	35.66%	≥27%	Y	NA	NA	NA	NA	NA
92	35.25%	≥27%	Y	NA	NA	NA	NA	NA
93	36.66%	≥27%	Y	NA	NA	NA	NA	NA
94	36.55%	≥27%	Y	NA	NA	NA	NA	NA
95	36.58%	≥27%	Y	NA	NA	NA	NA	NA
96	36.73%	≥27%	Y	NA	NA	NA	NA	NA
97	36.74%	≥27%	Y	NA	NA	NA	NA	NA
98	36.91%	≥27%	Y	NA	NA	NA	NA	NA
99	36.92%	≥27%	Y	NA	NA	NA	NA	NA
100	37.18%	≥27%	Y	NA	NA	NA	NA	NA
101	37.36%	≥27%	Y	NA	NA	NA	NA	NA
102	37.40%	≥27%	Y	NA	NA	NA	NA	NA

Table 83: VSC Results (Ref. 4)

Ref. 5



Figure 121: Location of sensitive receptors – Ref. 5

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines
1	29.59%	≥27%	Y
2	30.11%	≥27%	Y
3	29.63%	≥27%	Y
4	29.75%	≥27%	Y
5	30.35%	≥27%	Y
6	30.12%	≥27%	Y
7	29.72%	≥27%	Y
8	30.19%	≥27%	Y
9	29.79%	≥27%	Y
10	29.52%	≥27%	Y
11	29.84%	≥27%	Y
12	29.53%	≥27%	Y
13	29.37%	≥27%	Y
14	29.43%	≥27%	Y
15	30.02%	≥27%	Y

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines
16	30.51%	≥27%	Y
17	30.52%	≥27%	Y
18	31.01%	≥27%	Y
19	31.84%	≥27%	Y
20	32.24%	≥27%	Y
21	31.89%	≥27%	Y
22	31.70%	≥27%	Y
23	32.20%	≥27%	Y
24	31.93%	≥27%	Y
25	32.08%	≥27%	Y
26	32.36%	≥27%	Y
27	32.29%	≥27%	Y
28	31.69%	≥27%	Y
29	32.18%	≥27%	Y
30	31.75%	≥27%	Y

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines
31	32.01%	≥27%	Y
32	32.23%	≥27%	Y
33	32.26%	≥27%	Y
34	31.92%	≥27%	Y
35	32.02%	≥27%	Y
36	32.53%	≥27%	Y
37	32.92%	≥27%	Y
38	32.78%	≥27%	Y
39	33.33%	≥27%	Y
40	33.72%	≥27%	Y
41	34.08%	≥27%	Y
42	34.00%	≥27%	Y
43	33.89%	≥27%	Y
44	34.26%	≥27%	Y
45	33.88%	≥27%	Y
46	34.21%	≥27%	Y
47	33.99%	≥27%	Y
48	33.99%	≥27%	Y
49	33.82%	≥27%	Y
50	34.34%	≥27%	Y
51	33.98%	≥27%	Y
52	34.32%	≥27%	Y
53	34.40%	≥27%	Y
54	34.52%	≥27%	Y
55	34.16%	≥27%	Y
56	34.20%	≥27%	Y
57	34.89%	≥27%	Y
58	34.95%	≥27%	Y
59	34.71%	≥27%	Y
60	35.22%	≥27%	Y
61	35.71%	≥27%	Y
62	35.94%	≥27%	Y
63	36.04%	≥27%	Y
64	36.12%	≥27%	Y
65	36.24%	≥27%	Y
66	36.08%	≥27%	Y
67	36.20%	≥27%	Y
68	36.31%	≥27%	Y
69	36.23%	≥27%	Y

Table 84: VSC Results (Ref. 5)

Ref. 6



Figure 122: Location of sensitive receptors – Ref. 6

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines
1	30.82%	≥27%	Y
2	30.69%	≥27%	Y
3	30.60%	≥27%	Y
4	30.27%	≥27%	Y
5	30.04%	≥27%	Y
6	30.49%	≥27%	Y
7	30.43%	≥27%	Y
8	30.31%	≥27%	Y
9	30.64%	≥27%	Y
10	31.11%	≥27%	Y
11	31.67%	≥27%	Y
12	31.69%	≥27%	Y
13	32.14%	≥27%	Y
14	33.13%	≥27%	Y
15	33.23%	≥27%	Y

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines
16	33.54%	≥27%	Y
17	33.58%	≥27%	Y
18	33.16%	≥27%	Y
19	33.02%	≥27%	Y
20	33.64%	≥27%	Y
21	33.77%	≥27%	Y
22	33.05%	≥27%	Y
23	33.70%	≥27%	Y
24	34.04%	≥27%	Y
25	34.62%	≥27%	Y
26	34.46%	≥27%	Y
27	34.93%	≥27%	Y
28	35.54%	≥27%	Y
29	35.16%	≥27%	Y
30	35.55%	≥27%	Y

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines
31	35.88%	≥27%	Y
32	35.44%	≥27%	Y
33	35.39%	≥27%	Y
34	35.85%	≥27%	Y
35	36.00%	≥27%	Y
36	35.57%	≥27%	Y
37	36.00%	≥27%	Y
38	36.50%	≥27%	Y
39	36.66%	≥27%	Y
40	36.51%	≥27%	Y
41	36.93%	≥27%	Y
42	37.14%	≥27%	Y
43	36.89%	≥27%	Y

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines
44	37.47%	≥27%	Y
45	37.50%	≥27%	Y
46	37.05%	≥27%	Y
47	37.38%	≥27%	Y
48	37.71%	≥27%	Y
49	37.90%	≥27%	Y
50	37.55%	≥27%	Y
51	37.72%	≥27%	Y
52	38.18%	≥27%	Y
53	38.40%	≥27%	Y
54	38.03%	≥27%	Y
55	38.22%	≥27%	Y
56	38.52%	≥27%	Y

Table 85: VSC Results (Ref. 6)

Ref. 7



Figure 123: Location of sensitive receptors – Ref. 7

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
1	29.48%	≥27%	Y	NA	NA	NA	NA	NA
2	28.07%	≥27%	Y	NA	NA	NA	NA	NA
3	27.44%	≥27%	Y	NA	NA	NA	NA	NA
4	26.95%	≥27%	Y	NA	NA	NA	NA	NA
5	26.28%	≥27%	N	29.92%	88%	18.71%	140%	Y
6	25.97%	≥27%	N	29.56%	88%	18.76%	138%	Y
7	26.26%	≥27%	N	29.76%	88%	19.02%	138%	Y
8	26.43%	≥27%	N	29.30%	90%	19.15%	138%	Y
9	26.79%	≥27%	N	29.64%	90%	19.37%	138%	Y

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
10	26.60%	≥27%	N	29.74%	89%	19.45%	137%	Y
11	27.26%	≥27%	Y	NA	NA	NA	NA	NA
12	27.40%	≥27%	Y	NA	NA	NA	NA	NA
13	28.15%	≥27%	Y	NA	NA	NA	NA	NA
14	28.71%	≥27%	Y	NA	NA	NA	NA	NA
15	28.68%	≥27%	Y	NA	NA	NA	NA	NA
16	31.91%	≥27%	Y	NA	NA	NA	NA	NA
17	30.91%	≥27%	Y	NA	NA	NA	NA	NA
18	30.11%	≥27%	Y	NA	NA	NA	NA	NA
19	30.11%	≥27%	Y	NA	NA	NA	NA	NA
20	29.54%	≥27%	Y	NA	NA	NA	NA	NA
21	29.14%	≥27%	Y	NA	NA	NA	NA	NA
22	29.06%	≥27%	Y	NA	NA	NA	NA	NA
23	29.22%	≥27%	Y	NA	NA	NA	NA	NA
24	29.25%	≥27%	Y	NA	NA	NA	NA	NA
25	29.70%	≥27%	Y	NA	NA	NA	NA	NA
26	30.02%	≥27%	Y	NA	NA	NA	NA	NA
27	30.62%	≥27%	Y	NA	NA	NA	NA	NA
28	30.88%	≥27%	Y	NA	NA	NA	NA	NA
29	31.58%	≥27%	Y	NA	NA	NA	NA	NA
30	31.73%	≥27%	Y	NA	NA	NA	NA	NA
31	34.47%	≥27%	Y	NA	NA	NA	NA	NA
32	33.47%	≥27%	Y	NA	NA	NA	NA	NA
33	33.02%	≥27%	Y	NA	NA	NA	NA	NA
34	32.57%	≥27%	Y	NA	NA	NA	NA	NA
35	32.61%	≥27%	Y	NA	NA	NA	NA	NA
36	32.36%	≥27%	Y	NA	NA	NA	NA	NA
37	32.34%	≥27%	Y	NA	NA	NA	NA	NA
38	32.30%	≥27%	Y	NA	NA	NA	NA	NA
39	32.43%	≥27%	Y	NA	NA	NA	NA	NA
40	32.72%	≥27%	Y	NA	NA	NA	NA	NA
41	33.03%	≥27%	Y	NA	NA	NA	NA	NA
42	33.43%	≥27%	Y	NA	NA	NA	NA	NA
43	33.62%	≥27%	Y	NA	NA	NA	NA	NA
44	34.03%	≥27%	Y	NA	NA	NA	NA	NA

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
45	34.49%	≥27%	Y	NA	NA	NA	NA	NA
46	35.95%	≥27%	Y	NA	NA	NA	NA	NA
47	31.16%	≥27%	Y	NA	NA	NA	NA	NA
48	35.58%	≥27%	Y	NA	NA	NA	NA	NA
49	35.59%	≥27%	Y	NA	NA	NA	NA	NA
50	35.58%	≥27%	Y	NA	NA	NA	NA	NA
51	35.41%	≥27%	Y	NA	NA	NA	NA	NA
52	35.39%	≥27%	Y	NA	NA	NA	NA	NA
53	29.27%	≥27%	Y	NA	NA	NA	NA	NA
54	32.87%	≥27%	Y	NA	NA	NA	NA	NA
55	33.87%	≥27%	Y	NA	NA	NA	NA	NA
56	36.68%	≥27%	Y	NA	NA	NA	NA	NA
57	36.82%	≥27%	Y	NA	NA	NA	NA	NA

Table 86: VSC Results (Ref. 7)

Ref. 8



Figure 124: Location of sensitive receptors – Ref. 8

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
1	24.28%	≥27%	N	25.29%	96%	21.20%	115%	Y
2	26.09%	≥27%	N	28.07%	93%	22.64%	115%	Y
3	27.21%	≥27%	Y	NA	NA	NA	NA	NA
4	28.07%	≥27%	Y	NA	NA	NA	NA	NA
5	28.74%	≥27%	Y	NA	NA	NA	NA	NA
6	29.23%	≥27%	Y	NA	NA	NA	NA	NA
7	29.42%	≥27%	Y	NA	NA	NA	NA	NA
8	29.72%	≥27%	Y	NA	NA	NA	NA	NA
9	30.34%	≥27%	Y	NA	NA	NA	NA	NA
10	30.53%	≥27%	Y	NA	NA	NA	NA	NA
11	30.98%	≥27%	Y	NA	NA	NA	NA	NA
12	31.41%	≥27%	Y	NA	NA	NA	NA	NA
13	31.84%	≥27%	Y	NA	NA	NA	NA	NA

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
14	26.54%	≥27%	N	28.11%	94%	19.44%	137%	Y
15	28.79%	≥27%	Y	NA	NA	NA	NA	NA
16	30.09%	≥27%	Y	NA	NA	NA	NA	NA
17	30.56%	≥27%	Y	NA	NA	NA	NA	NA
18	31.13%	≥27%	Y	NA	NA	NA	NA	NA
19	31.52%	≥27%	Y	NA	NA	NA	NA	NA
20	31.88%	≥27%	Y	NA	NA	NA	NA	NA
21	32.30%	≥27%	Y	NA	NA	NA	NA	NA
22	32.86%	≥27%	Y	NA	NA	NA	NA	NA
23	33.20%	≥27%	Y	NA	NA	NA	NA	NA
24	33.49%	≥27%	Y	NA	NA	NA	NA	NA
25	33.83%	≥27%	Y	NA	NA	NA	NA	NA
26	34.38%	≥27%	Y	NA	NA	NA	NA	NA
27	23.24%	≥27%	N	23.88%	97%	21.58%	108%	Y
28	27.89%	≥27%	Y	NA	NA	NA	NA	NA
29	30.03%	≥27%	Y	NA	NA	NA	NA	NA
30	31.67%	≥27%	Y	NA	NA	NA	NA	NA
31	32.93%	≥27%	Y	NA	NA	NA	NA	NA
32	33.27%	≥27%	Y	NA	NA	NA	NA	NA
33	33.40%	≥27%	Y	NA	NA	NA	NA	NA
34	30.83%	≥27%	Y	NA	NA	NA	NA	NA
35	34.74%	≥27%	Y	NA	NA	NA	NA	NA
36	35.19%	≥27%	Y	NA	NA	NA	NA	NA
37	35.66%	≥27%	Y	NA	NA	NA	NA	NA
38	35.84%	≥27%	Y	NA	NA	NA	NA	NA
39	35.87%	≥27%	Y	NA	NA	NA	NA	NA

Table 87: VSC Results (Ref. 8)

Ref. 9



Figure 125: Location of sensitive receptors – Ref. 9

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines
1	34.41%	≥27%	Y
2	33.94%	≥27%	Y
3	34.22%	≥27%	Y
4	33.68%	≥27%	Y
5	33.48%	≥27%	Y
6	33.12%	≥27%	Y
7	32.57%	≥27%	Y
8	35.94%	≥27%	Y
9	35.94%	≥27%	Y

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines
10	35.77%	≥27%	Y
11	35.78%	≥27%	Y
12	35.61%	≥27%	Y
13	35.45%	≥27%	Y
14	35.58%	≥27%	Y
15	35.42%	≥27%	Y
16	35.20%	≥27%	Y
17	34.75%	≥27%	Y
18	34.32%	≥27%	Y

Table 88: VSC Results (Ref. 9)

Ref. 10



Figure 126: Location of sensitive receptors – Ref. 10

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
1	29.88%	≥27%	Y	NA	NA	NA	NA	NA
2	29.50%	≥27%	Y	NA	NA	NA	NA	NA
3	29.56%	≥27%	Y	NA	NA	NA	NA	NA
4	28.95%	≥27%	Y	NA	NA	NA	NA	NA
5	28.08%	≥27%	Y	NA	NA	NA	NA	NA
6	27.14%	≥27%	Y	NA	NA	NA	NA	NA
7	32.45%	≥27%	Y	NA	NA	NA	NA	NA
8	32.28%	≥27%	Y	NA	NA	NA	NA	NA
9	31.84%	≥27%	Y	NA	NA	NA	NA	NA
10	31.55%	≥27%	Y	NA	NA	NA	NA	NA
11	30.97%	≥27%	Y	NA	NA	NA	NA	NA
12	30.26%	≥27%	Y	NA	NA	NA	NA	NA
13	25.43%	≥27%	Y	27.56%	92%	26.45%	96%	NA

Table 89: VSC Results (Ref. 10)

Ref. 11



Figure 127: Location of sensitive receptors – Ref. 11

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
1	34.41%	≥27%	Y	NA	NA	NA	NA	NA
2	33.46%	≥27%	Y	NA	NA	NA	NA	NA
3	33.58%	≥27%	Y	NA	NA	NA	NA	NA
4	32.33%	≥27%	Y	NA	NA	NA	NA	NA
5	32.65%	≥27%	Y	NA	NA	NA	NA	NA
6	31.26%	≥27%	Y	NA	NA	NA	NA	NA
7	31.57%	≥27%	Y	NA	NA	NA	NA	NA
8	29.98%	≥27%	Y	NA	NA	NA	NA	NA
9	30.57%	≥27%	Y	NA	NA	NA	NA	NA
10	29.43%	≥27%	Y	NA	NA	NA	NA	NA
11	30.09%	≥27%	Y	NA	NA	NA	NA	NA
12	29.24%	≥27%	Y	NA	NA	NA	NA	NA
13	25.16%	≥27%	N	28.47%	88%	24.62%	102%	Y
14	26.63%	≥27%	N	28.93%	92%	24.69%	108%	Y
15	36.24%	≥27%	Y	NA	NA	NA	NA	NA
16	36.08%	≥27%	Y	NA	NA	NA	NA	NA
17	35.68%	≥27%	Y	NA	NA	NA	NA	NA
18	35.34%	≥27%	Y	NA	NA	NA	NA	NA
19	34.96%	≥27%	Y	NA	NA	NA	NA	NA
20	34.68%	≥27%	Y	NA	NA	NA	NA	NA
21	34.11%	≥27%	Y	NA	NA	NA	NA	NA
22	33.58%	≥27%	Y	NA	NA	NA	NA	NA
23	33.63%	≥27%	Y	NA	NA	NA	NA	NA
24	33.17%	≥27%	Y	NA	NA	NA	NA	NA
25	33.00%	≥27%	Y	NA	NA	NA	NA	NA
26	32.91%	≥27%	Y	NA	NA	NA	NA	NA

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
27	28.09%	≥27%	Y	NA	NA	NA	NA	NA
28	28.91%	≥27%	Y	NA	NA	NA	NA	NA
29	37.87%	≥27%	Y	NA	NA	NA	NA	NA
30	37.30%	≥27%	Y	NA	NA	NA	NA	NA
31	37.46%	≥27%	Y	NA	NA	NA	NA	NA
32	37.31%	≥27%	Y	NA	NA	NA	NA	NA
33	37.21%	≥27%	Y	NA	NA	NA	NA	NA
34	37.09%	≥27%	Y	NA	NA	NA	NA	NA
35	36.68%	≥27%	Y	NA	NA	NA	NA	NA
36	36.48%	≥27%	Y	NA	NA	NA	NA	NA
37	36.05%	≥27%	Y	NA	NA	NA	NA	NA
38	38.85%	≥27%	Y	NA	NA	NA	NA	NA
39	35.67%	≥27%	Y	NA	NA	NA	NA	NA
40	35.37%	≥27%	Y	NA	NA	NA	NA	NA
41	31.01%	≥27%	Y	NA	NA	NA	NA	NA
42	31.70%	≥27%	Y	NA	NA	NA	NA	NA
43	27.70%	≥27%	Y	NA	NA	NA	NA	NA

Table 90: VSC Results (Ref. 11)

Ref. 12



Figure 128: Location of sensitive receptors – Ref. 12

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
1	30.00%	≥27%	Y	NA	NA	NA	NA	NA
2	28.90%	≥27%	Y	NA	NA	NA	NA	NA
3	28.41%	≥27%	Y	NA	NA	NA	NA	NA
4	27.46%	≥27%	Y	NA	NA	NA	NA	NA
5	32.34%	≥27%	Y	NA	NA	NA	NA	NA
6	32.11%	≥27%	Y	NA	NA	NA	NA	NA
7	31.34%	≥27%	Y	NA	NA	NA	NA	NA
8	31.12%	≥27%	Y	NA	NA	NA	NA	NA
9	30.32%	≥27%	Y	NA	NA	NA	NA	NA
10	34.56%	≥27%	Y	NA	NA	NA	NA	NA
11	33.67%	≥27%	Y	NA	NA	NA	NA	NA
12	33.33%	≥27%	Y	NA	NA	NA	NA	NA
13	32.93%	≥27%	Y	NA	NA	NA	NA	NA
14	15.86%	≥27%	N	16.46%	96%	16.06%	99%	Y
15	16.91%	≥27%	N	17.40%	97%	16.83%	100%	Y
16	22.24%	≥27%	N	22.82%	97%	22.30%	100%	Y
17	23.32%	≥27%	N	23.72%	98%	22.88%	102%	Y
18	22.73%	≥27%	N	23.19%	98%	22.70%	100%	Y
19	20.27%	≥27%	N	20.86%	97%	20.06%	101%	Y

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
20	16.22%	≥27%	N	16.45%	99%	16.04%	101%	Y
21	14.83%	≥27%	N	15.37%	96%	14.78%	100%	Y
22	25.51%	≥27%	N	30.63%	83%	24.33%	105%	Y
23	25.41%	≥27%	N	29.81%	85%	26.64%	95%	Y
24	25.21%	≥27%	N	29.74%	85%	25.11%	100%	Y
25	25.45%	≥27%	N	29.54%	86%	25.99%	98%	Y
26	26.56%	≥27%	N	29.87%	89%	27.22%	98%	Y
27	17.91%	≥27%	N	18.70%	96%	18.09%	99%	Y
28	19.78%	≥27%	N	19.47%	102%	19.70%	100%	Y
29	25.71%	≥27%	N	25.72%	100%	25.64%	100%	Y
30	26.83%	≥27%	N	26.94%	100%	26.60%	101%	Y
31	25.83%	≥27%	N	25.98%	99%	25.60%	101%	Y
32	22.96%	≥27%	N	23.27%	99%	22.85%	100%	Y
33	17.76%	≥27%	N	18.23%	97%	17.94%	99%	Y
34	16.25%	≥27%	N	16.29%	100%	16.12%	101%	Y
35	27.97%	≥27%	Y	NA	NA	NA	NA	NA
36	28.51%	≥27%	Y	NA	NA	NA	NA	NA
37	27.97%	≥27%	Y	NA	NA	NA	NA	NA
38	28.50%	≥27%	Y	NA	NA	NA	NA	NA
39	28.87%	≥27%	Y	NA	NA	NA	NA	NA
40	29.18%	≥27%	Y	NA	NA	NA	NA	NA
41	20.34%	≥27%	N	20.51%	99%	20.52%	99%	Y
42	22.90%	≥27%	N	22.95%	100%	22.63%	101%	Y
43	29.98%	≥27%	Y	NA	NA	NA	NA	NA
44	30.86%	≥27%	Y	NA	NA	NA	NA	NA
45	29.38%	≥27%	Y	NA	NA	NA	NA	NA
46	26.93%	≥27%	N	26.63%	101%	26.28%	102%	Y
47	20.14%	≥27%	N	20.60%	98%	19.69%	102%	Y
48	17.67%	≥27%	N	18.03%	98%	17.78%	99%	Y
49	30.82%	≥27%	Y	NA	NA	NA	NA	NA
50	30.71%	≥27%	Y	NA	NA	NA	NA	NA
51	30.74%	≥27%	Y	NA	NA	NA	NA	NA
52	31.05%	≥27%	Y	NA	NA	NA	NA	NA
53	31.13%	≥27%	Y	NA	NA	NA	NA	NA

Window Legend	VSC received with Proposed Scheme [%]	VSC Required per BRE Guideline [%]	Meets BRE Guidelines (≥27%)	VSC received with Mirror Imaging Scenario [%]	% of its Former Value (80% or higher)	VSC received with Previously Permitted Scenario [%]	% of its Former Value (80% or higher)	Meets 80% or higher its former value
54	24.10%	≥27%	N	24.25%	99%	24.00%	100%	Y
55	27.50%	≥27%	Y	NA	NA	NA	NA	NA
56	35.34%	≥27%	Y	NA	NA	NA	NA	NA
57	35.35%	≥27%	Y	NA	NA	NA	NA	NA
58	33.89%	≥27%	Y	NA	NA	NA	NA	NA
59	31.19%	≥27%	Y	NA	NA	NA	NA	NA
60	23.71%	≥27%	N	24.12%	98%	23.54%	101%	Y
61	20.14%	≥27%	N	20.44%	99%	20.01%	101%	Y
62	33.45%	≥27%	Y	NA	NA	NA	NA	NA
63	33.46%	≥27%	Y	NA	NA	NA	NA	NA
64	33.47%	≥27%	Y	NA	NA	NA	NA	NA
65	33.74%	≥27%	Y	NA	NA	NA	NA	NA
66	33.94%	≥27%	Y	NA	NA	NA	NA	NA
67	33.84%	≥27%	Y	NA	NA	NA	NA	NA
68	27.36%	≥27%	Y	NA	NA	NA	NA	NA
69	31.35%	≥27%	Y	NA	NA	NA	NA	NA
70	38.08%	≥27%	Y	NA	NA	NA	NA	NA
71	38.04%	≥27%	Y	NA	NA	NA	NA	NA
72	37.63%	≥27%	Y	NA	NA	NA	NA	NA
73	36.57%	≥27%	Y	NA	NA	NA	NA	NA
74	31.01%	≥27%	Y	NA	NA	NA	NA	NA
75	26.72%	≥27%	N	26.97%	99%	26.76%	100%	Y
76	36.31%	≥27%	Y	NA	NA	NA	NA	NA
77	36.44%	≥27%	Y	NA	NA	NA	NA	NA
78	36.56%	≥27%	Y	NA	NA	NA	NA	NA

Table 91: VSC Results (Ref. 12)

LUX LEVEL ANALYSIS

In order to demonstrate that the surrounding properties classified as impacted by the proposed development will continue to receive good levels of daylight, a more detailed assessment on internal daylight levels (beyond the VSC analysis outlined in the previous section) has been carried out. This method not only considers the amount of sky visible from the vertical face of the window, but also the window size, room size and room use. It gives guidance as to the qualitative and quantitative change in daylight.

To provide an indication of expected daylight levels within surrounding properties, a sample of rooms with low Vertical Sky Component (VSC) has been selected for analysis. The "worst-case" rooms are those located close to the proposed development and situated at lower levels. In this case, Ref. 3 and Ref. 12 have been selected, as they contain windows facing the proposed development that exhibit the lowest VSC, as illustrated below.

The worst-case apartments experiencing low VSC, when assessed using the lux level method, have demonstrated that the units in question will achieve adequate daylight once the Clongriffin residential development is in place.

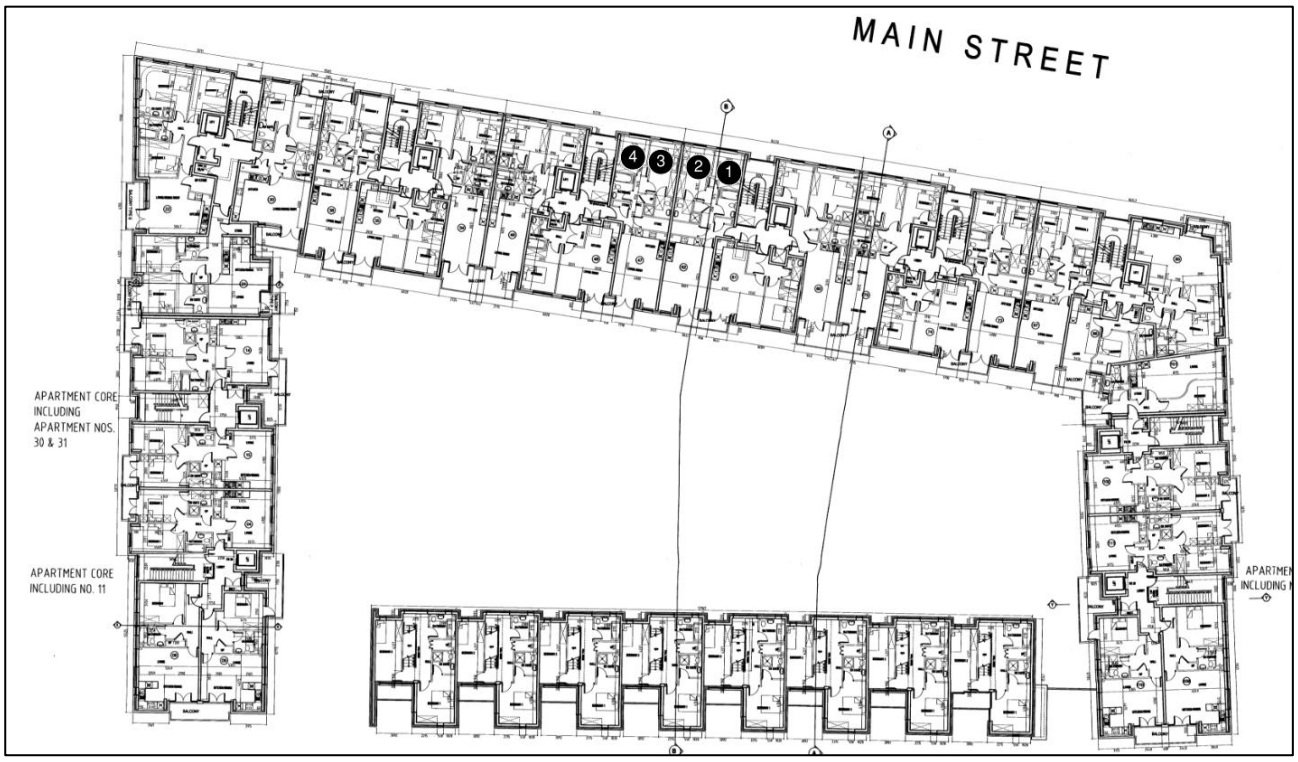


Figure 129: Location of sensitive receptors – Ref. 3 (Rooms Selected for Lux Level Analysis)

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
Room 1	Bedroom	100%	Y	100%	Y
Room 2	Bedroom	100%	Y	93%	Y
Room 3	Bedroom	100%	Y	93%	Y
Room 4	Bedroom	100%	Y	100%	Y

Table 92: Lux Level Results (Ref.3)



Figure 130: Location of sensitive receptors – Ref. 12 (Rooms Selected for Lux Level Analysis)

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
Room 1	Bedroom	100%	Y	79%	Y
Room 2	Liv/Din	100%	Y	57%	Y
Room 3	Liv/Din	100%	Y	68%	Y
Room 4	Liv/Din	100%	Y	58%	Y
Room 5	Liv/Din	100%	Y	51%	Y
Room 6	Bedroom	100%	Y	80%	Y

Legend	Space	2022 Methodology Criterion 1 (%) (Compliance at ≥ 95% @100lux)	2022 Methodology Criterion 1 Compliance	2022 Methodology Criterion 2 (%) (Compliance at ≥ 50% @300lux)	2022 Methodology Criterion 2 Compliance
Room 7	Bedroom	100%	Y	55%	Y
Room 8	Liv/Din	100%	Y	100%	Y
Room 9	Bedroom	100%	Y	95%	Y
Room 10	Study	100%	Y	67%	Y
Room 11	Liv/Din	100%	Y	72%	Y

Table 93: Lux Level Results (Ref.12)

Most of the adjacent worst-case rooms selected for analysis have achieved the minimum lux level target levels set out in the BR 209 guidelines. Therefore, it can be demonstrated that the majority of these rooms will continue to receive sufficient levels of daylight once the proposed development is constructed.

As the site is located within an established compact, urban area, on zoned residential lands, it represents a prime opportunity to deliver compact and sustainable development in line with national and local planning policy. It is generally accepted in urban planning that a certain level of impact, particularly in relation to daylight and sunlight is unavoidable in high density urban environments. In this case, there should be a balanced and flexible approach where there is a significant need to optimise land use in serviced urban areas and the objective of achieving urban regeneration and compact growth as articulated in Section 5.3.7 of the 2024 Sustainable Residential Development and Compact Settlements Guidelines for Planning Authorities which state that:

"In drawing conclusions in relation to daylight performance, planning authorities must weigh up the overall quality of the design and layout of the scheme and the measures proposed to maximise daylight provision, against the location of the site and the general presumption in favour of increased scales of urban residential development."

ANNUAL PROBABLY SUNLIGHT HOURS AND WINTER SUNLIGHT HOURS (APSH/WPSH) FOR THE SURROUNDING PROPERTIES

In order to assess the amount of sunlight that is received by windows, the Annual Probable Sunlight Hours (APSH) calculation methods as outlined in BRE Guide 3rd Edition have been used.

When designing a new development, consideration should be given to the safeguarding of access to sunlight for both existing dwellings and for any nearby non-domestic buildings where there is a requirement for sunlight. To assess if there will be a loss of sunlight to an existing building, BRE Guide 3rd Edition in section 3.2.3 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. If the proposed development is fully north of the existing window, then sunlight need not be assessed.

To calculate this assessment, the Annual and Winter Probable Sunlight Hours (APSH/WPSH) is used. APSH represents the sunlight that a given window may expect to receive over a year. The probable sunlight hours are expressed as the percentage of direct sunlight hours divided by the number of hours that the sun is expected to shine on unobstructed ground. The APSH uses a full year as the time period, whereas WPSH uses a period from the 21st of September to the 21st of March.

BRE Guide 3rd Edition in section 3.2.13 suggests that the APSH/WPSH should be measured at the centre point of the outside face of the window. It also states that if a room can receive more than 25% of APSH, including at least 5% of WPSH, then it should still receive enough sunlight. Also, if the overall annual loss of APSH is 4% or less, the loss of sunlight is small. Any reductions of sunlight access below the above values should be kept to a minimum. Loss in sunlight will be noticeable by the occupants if the available sunlight hours are both less than the amount above and less than 0.80 times their former value, either over the full year or just in the winter months, and the overall annual loss is greater than 4% of APSH. These criteria can be broken down as follows; noticeable reductions of sunlight access can occur if the following occurs:

- The APSH/WPSH drops below 25% for annual or 5% for winter guidelines, and
- The APSH value is less than 0.80 times the baseline value, and
- There is a reduction of more than 4% of the annual APSH.

An indicator to determine if a proposed development could obstruct sunlight access on nearby existing buildings is provided in BRE Guide 3rd Edition whereby if the proposed development is located to the south and is at a distance of less than three times its height from an existing dwelling, or if the angle from the existing window to the proposed development subtends 25° to the horizontal when measured in a perpendicular section. BRE Guide 3rd Edition also suggests that windows orientated within 90° of due south should be assessed as windows located to the north generally receive sunlight on very few occasions in a year.

As the APSH and WPSH values for certain spaces fall below 25% and 5%, respectively, with the proposed development in place, the achieved levels have been compared against both the previously permitted scheme and a mirror-image scenario (assuming a building of the same height as the adjacent properties on the currently vacant site). This comparison has been undertaken to assess whether any reduction in sunlight is in accordance with BRE guideline recommendations and to confirm whether the affected spaces continue to retain at least 80% of their former values following the proposed development.

Below table shows that which adjacent properties are required to analyse per the BRE guidelines.

Development Ref.	Development name	APSH Analysis
Ref. 1	Block 12, Apartments	As per section 3.2 of BR209, not required as the proposed development is located wholly due north of the existing buildings
Ref. 2	Block 12, Apartments	
Ref. 3	Block 20, Apartments	
Ref. 4	Block 21, Apartments	
Ref. 5	Block 22, Apartments	
Ref. 6	Ref. 6, Apartments	
Ref. 7	Block 2, Apartments	Required
Ref. 8	Block 2, Apartments	Required
Ref. 9	Houses	Required
Ref. 10	Houses	Required
Ref. 11	Houses	Required
Ref. 12	Block 5, Apartments	Required

Table 94: APSH Analysis Requirement

Table 95 and 96 present a summary of APSH and WPSH analysis for all the surrounding properties and 100% of spaces complied against APSH and 87.15% against WPSH criterion. The detailed results are provided in following sections.

Existing Dwellings	Number of Spaces	APSH Spaces showing Pass	APSH Pass (%)
Ref. 07	57	57	100.00%
Ref. 08	39	39	100.00%
Ref. 09	18	18	100.00%
Ref. 10	13	13	100.00%
Ref. 11	43	43	100.00%
Ref. 12	79	79	100.00%
Overall Total	249	249	100.00%

Table 95: APSH results summary

Existing Dwellings	Number of Spaces	WPSH Spaces showing Pass	WPSH Pass (%)
Ref. 07	57	50	87.72%
Ref. 08	39	18	46.15%
Ref. 09	18	18	100.00%
Ref. 10	13	13	100.00%
Ref. 11	43	40	93.02%
Ref. 12	79	78	98.73%
Overall Total	249	217	87.15%

Table 96: WPSH results summary

Ref. 07

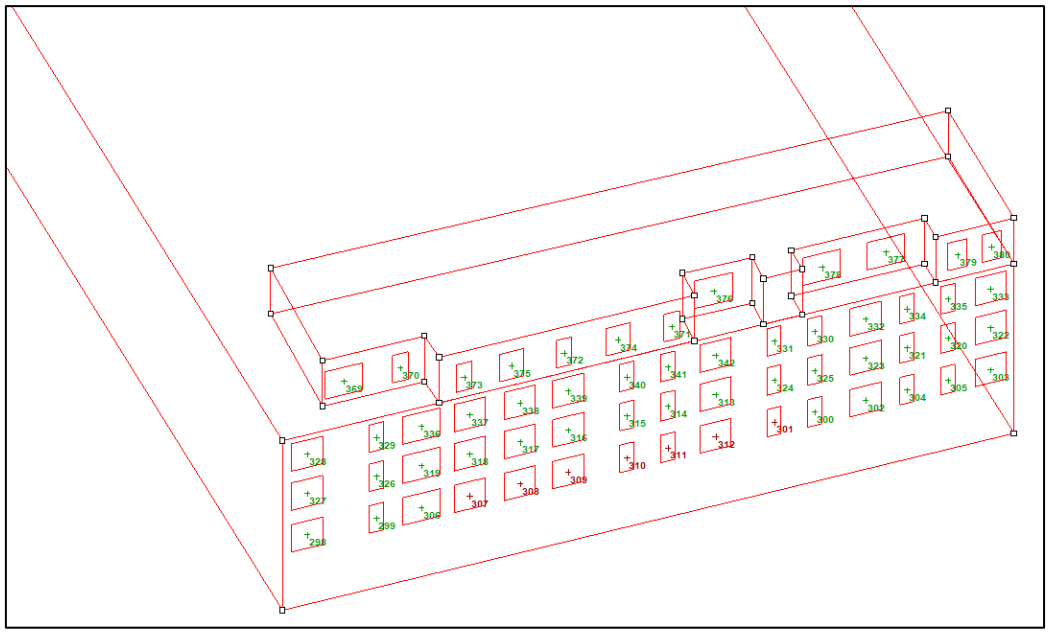


Figure 131: Location of sensitive receptor for APSH (Ref.07)

Window Legend	Proposed Scheme		Proposed APSH & WPSH against Mirror Imaging Scenario		% of its former Value		Proposed APSH & WPSH against Previously Permitted Scheme		% of its former Value		APSH Results	WPSH Results
	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH
298	17.58	7.78	18.86	NA	93.21%	NA	14.70	NA	119.59%	NA	Pass	Pass
299	18.34	8.57	19.36	NA	94.73%	NA	13.62	NA	134.65%	NA	Pass	Pass
300	15.28	4.90	16.55	5.72	92.33%	85.7%	11.19	2.80	136.55%	175.00%	Pass	Pass
301	15.29	5.59	17.12	NA	89.31%	NA	11.19	NA	136.64%	NA	Pass	Pass
302	15.43	4.88	16.48	5.63	93.63%	86.7%	11.02	2.80	140.02%	174.29%	Pass	Pass
303	16.25	4.87	16.98	4.97	95.70%	98.0%	11.60	2.80	140.09%	173.93%	Pass	Pass
304	15.90	4.88	16.83	5.59	94.47%	87.3%	11.01	2.80	144.41%	174.29%	Pass	Pass
305	16.05	4.87	16.91	5.59	94.91%	87.1%	11.00	2.80	145.91%	173.93%	Pass	Pass
306	18.22	8.47	19.01	NA	95.84%	NA	12.59	NA	144.72%	NA	Pass	Pass
307	18.03	8.30	18.87	NA	95.55%	NA	11.72	NA	153.84%	NA	Pass	Pass
308	17.42	7.69	17.91	NA	97.26%	NA	11.37	NA	153.21%	NA	Pass	Pass
309	16.72	6.99	17.73	NA	94.30%	NA	11.31	NA	147.83%	NA	Pass	Pass
310	16.71	6.99	17.80	NA	93.88%	NA	11.45	NA	145.94%	NA	Pass	Pass
311	16.00	6.29	18.12	NA	88.30%	NA	11.19	NA	142.98%	NA	Pass	Pass
312	15.73	6.02	16.61	NA	94.70%	NA	10.49	NA	149.95%	NA	Pass	Pass
313	16.21	6.02	19.07	NA	85.00%	NA	12.02	NA	134.86%	NA	Pass	Pass
314	16.49	6.29	19.12	NA	86.24%	NA	12.02	NA	137.19%	NA	Pass	Pass
315	17.20	6.99	18.94	NA	90.81%	NA	12.14	NA	141.68%	NA	Pass	Pass
316	17.21	6.99	19.32	NA	89.08%	NA	12.86	NA	133.83%	NA	Pass	Pass
317	17.92	7.69	19.11	NA	93.77%	NA	12.97	NA	138.16%	NA	Pass	Pass
318	18.63	8.39	19.49	NA	95.59%	NA	13.46	NA	138.41%	NA	Pass	Pass
319	19.02	8.78	19.84	NA	95.87%	NA	13.94	NA	136.44%	NA	Pass	Pass

Window Legend	Proposed Scheme		Proposed APSH & WPSH against Mirror Imaging Scenario		% of its former Value		Proposed APSH & WPSH against Previously Permitted Scheme		% of its former Value		APSH Results	WPSH Results
	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH
320	16.58	4.90	18.69	6.80	88.71%	72.1%	12.25	3.21	135.35%	152.65%	Pass	Fail
321	16.98	4.90	18.77	6.81	90.46%	72.0%	12.50	3.32	135.84%	147.59%	Pass	Fail
322	16.65	4.90	19.35	6.80	86.05%	72.1%	13.91	3.58	119.70%	136.87%	Pass	Fail
323	16.07	4.90	18.71	7.21	85.89%	68.0%	12.15	2.95	132.26%	166.10%	Pass	Fail
324	15.77	5.59	18.81	NA	83.84%	NA	12.08	NA	130.55%	NA	Pass	Pass
325	15.76	4.90	18.76	7.45	84.01%	65.8%	12.13	2.80	129.93%	175.00%	Pass	Fail
326	19.34	9.09	20.50	NA	94.34%	NA	14.99	NA	129.02%	NA	Pass	Pass
327	19.38	9.09	20.72	NA	93.53%	NA	16.21	NA	119.56%	NA	Pass	Pass
328	20.28	9.09	21.68	NA	93.54%	NA	16.83	NA	120.50%	NA	Pass	Pass
329	20.28	9.09	21.68	NA	93.54%	NA	15.61	NA	129.92%	NA	Pass	Pass
330	18.62	6.68	20.45	NA	91.05%	NA	13.93	NA	133.67%	NA	Pass	Pass
331	18.12	6.68	20.45	NA	88.61%	NA	13.60	NA	133.24%	NA	Pass	Pass
332	19.27	6.68	20.60	NA	93.54%	NA	13.97	NA	137.94%	NA	Pass	Pass
333	19.26	6.67	21.15	NA	91.06%	NA	15.52	NA	124.10%	NA	Pass	Pass
334	19.86	6.67	20.89	NA	95.07%	NA	14.38	NA	138.11%	NA	Pass	Pass
335	19.41	6.67	20.82	NA	93.23%	NA	14.91	NA	130.18%	NA	Pass	Pass
336	19.96	8.78	21.68	NA	92.07%	NA	15.93	NA	125.30%	NA	Pass	Pass
337	19.58	8.39	21.68	NA	90.31%	NA	15.27	NA	128.23%	NA	Pass	Pass
338	18.88	7.69	21.68	NA	87.08%	NA	14.53	NA	129.94%	NA	Pass	Pass
339	18.59	7.40	21.05	NA	88.31%	NA	14.46	NA	128.56%	NA	Pass	Pass
340	18.58	7.40	20.90	NA	88.90%	NA	14.09	NA	131.87%	NA	Pass	Pass
341	18.58	7.39	20.83	NA	89.20%	NA	14.06	NA	132.15%	NA	Pass	Pass
342	18.83	7.12	20.46	NA	92.03%	NA	13.42	NA	140.31%	NA	Pass	Pass
369	22.36	9.77	23.75	NA	94.15%	NA	19.28	NA	115.98%	NA	Pass	Pass
370	22.36	9.77	23.55	NA	94.95%	NA	18.72	NA	119.44%	NA	Pass	Pass
371	20.33	7.75	23.78	NA	85.49%	NA	16.14	NA	125.96%	NA	Pass	Pass
372	20.34	7.75	23.78	NA	85.53%	NA	16.19	NA	125.63%	NA	Pass	Pass
373	21.68	9.09	23.78	NA	91.17%	NA	17.17	NA	126.27%	NA	Pass	Pass
374	20.34	7.75	23.78	NA	85.53%	NA	16.18	NA	125.71%	NA	Pass	Pass
375	21.04	8.45	23.78	NA	88.48%	NA	16.79	NA	125.31%	NA	Pass	Pass
376	12.32	1.52	14.16	2.67	87.01%	56.9%	10.15	0.81	121.38%	187.65%	Pass	Fail
377	21.27	7.28	22.69	NA	93.74%	NA	18.82	NA	113.02%	NA	Pass	Pass
378	13.24	1.72	14.43	2.91	91.75%	59.1%	11.08	1.30	119.49%	132.31%	Pass	Fail
379	21.61	7.62	23.24	NA	92.99%	NA	20.09	NA	107.57%	NA	Pass	Pass
380	21.61	7.62	23.24	NA	92.99%	NA	20.34	NA	106.24%	NA	Pass	Pass

Table 97: APSH and WPSH analysis results for Ref. 07

Ref. 08

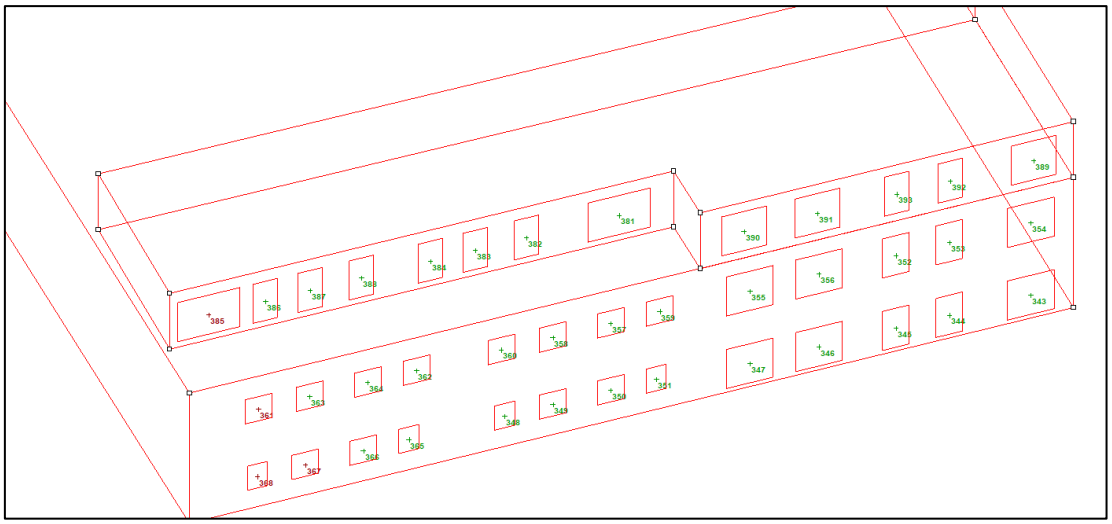


Figure 132: Location of sensitive receptor for APSH (Ref. 08)

Window Legend	Proposed Scheme		Proposed APSH & WPSH against Mirror Imaging Scenario		% of its former Value		Proposed APSH & WPSH against Previously Permitted Scheme		% of its former Value		APSH Results	WPSH Results
	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH
343	17.11	4.20	17.31	4.72	98.84%	88.98%	13.70	2.80	124.89%	150.00%	Pass	Pass
344	17.10	4.04	17.11	4.74	99.94%	85.23%	14.01	2.80	122.06%	144.29%	Pass	Pass
345	16.94	3.65	17.51	4.93	96.74%	74.04%	13.64	2.80	124.19%	130.36%	Pass	Fail
346	15.81	2.88	15.78	3.62	100.19%	79.56%	12.80	2.20	123.52%	130.91%	Pass	Fail
347	15.38	2.80	15.44	3.55	99.61%	78.87%	11.47	2.15	134.09%	130.23%	Pass	Fail
348	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
349	12.59	2.80	14.69	4.20	85.70%	66.67%	10.50	2.10	119.90%	133.33%	Pass	Fail
350	13.77	2.80	15.28	4.20	90.12%	66.67%	10.76	2.10	127.97%	133.33%	Pass	Fail
351	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
352	17.68	4.39	19.45	6.26	90.90%	70.13%	16.02	4.00	110.36%	109.75%	Pass	Fail
353	17.94	4.65	20.21	6.53	88.77%	71.21%	16.17	3.99	110.95%	116.54%	Pass	Fail
354	17.66	4.37	20.10	6.29	87.86%	69.48%	17.07	4.20	103.46%	104.05%	Pass	Fail
355	17.51	4.39	18.39	5.23	95.21%	83.94%	14.40	3.46	121.60%	126.88%	Pass	Pass
356	17.73	4.44	18.69	5.73	94.86%	77.49%	15.15	3.58	117.03%	124.02%	Pass	Fail
357	16.25	3.66	17.07	4.62	95.20%	79.22%	13.07	2.80	124.33%	130.71%	Pass	Fail
358	15.89	3.67	16.76	4.31	94.81%	85.15%	13.29	2.80	119.56%	131.07%	Pass	Pass
359	16.34	3.75	17.42	4.75	93.80%	78.95%	12.68	2.89	128.86%	129.76%	Pass	Fail
360	14.70	2.97	15.79	3.52	93.10%	84.38%	12.27	2.10	119.80%	141.43%	Pass	Pass
361	5.78	0.00	6.92	0.03	83.53%	0.00%	4.61	0.00	125.38%	NA	Pass	Fail
362	12.00	2.28	14.29	3.05	83.97%	74.75%	11.82	1.40	101.52%	162.86%	Pass	Fail
363	8.94	1.14	10.61	1.20	84.26%	95.00%	8.09	0.32	110.51%	356.25%	Pass	Pass
364	11.67	2.80	13.34	2.85	87.48%	98.25%	10.71	1.40	108.96%	200.00%	Pass	Pass

Window Legend	Proposed Scheme		Proposed APSH & WPSH against Mirror Imaging Scenario		% of its former Value		Proposed APSH & WPSH against Previously Permitted Scheme		% of its former Value		APSH Results	WPSH Results
	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH
365	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
366	9.79	2.10	11.19	2.80	87.49%	75.00%	7.15	0.70	136.92%	300.00%	Pass	Fail
367	7.46	0.33	8.92	1.03	83.63%	32.04%	5.49	0.00	135.88%	0.00%	Pass	Fail
368	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
381	18.13	5.14	19.78	6.72	91.66%	NA	15.26	3.65	118.81%	NA	Pass	Pass
382	16.92	4.03	18.58	5.29	91.07%	76.18%	13.68	2.50	123.68%	161.20%	Pass	Fail
383	15.87	2.96	17.34	4.22	91.52%	70.14%	12.71	1.42	124.86%	208.45%	Pass	Fail
384	15.14	2.24	16.34	3.50	92.66%	64.00%	13.28	1.40	114.01%	160.00%	Pass	Fail
385	3.99	0.00	4.75	0.00	84.00%	NA	3.72	0.00	107.26%	NA	Pass	Pass
386	6.88	0.00	7.21	0.29	95.42%	0.00%	6.29	0.00	109.38%	NA	Pass	Fail
387	9.54	0.35	10.43	1.22	91.47%	28.69%	8.51	0.00	112.10%	0.00%	Pass	Fail
388	12.67	1.43	13.84	2.56	91.55%	55.86%	11.28	0.70	112.32%	204.29%	Pass	Fail
389	20.54	6.56	22.19	NA	92.56%	NA	18.29	NA	112.30%	NA	Pass	Pass
390	19.24	5.85	20.83	NA	92.37%	NA	16.66	NA	115.49%	NA	Pass	Pass
391	19.70	6.21	21.89	NA	90.00%	NA	17.13	NA	115.00%	NA	Pass	Pass
392	20.22	6.26	22.19	NA	91.12%	NA	18.62	NA	108.59%	NA	Pass	Pass
393	20.15	6.26	22.19	NA	90.81%	NA	18.24	NA	110.47%	NA	Pass	Pass

Table 98: APSH and WPSH analysis results for Ref. 08

Ref. 09

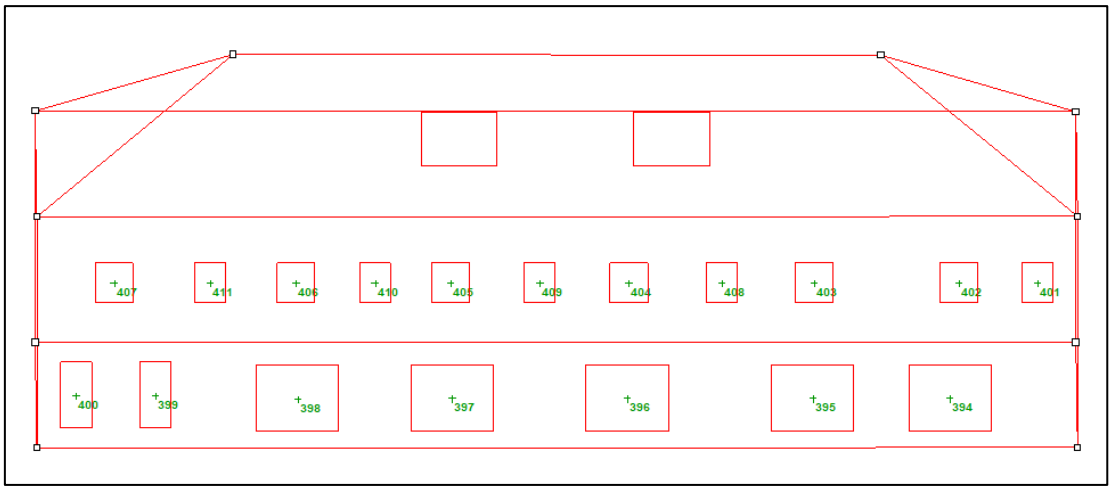


Figure 133: Location of sensitive receptor for APSH (Ref. 09)

Window Legend	Proposed Scheme		Proposed APSH & WPSH against Mirror Imaging Scenario		% of its former Value		Proposed APSH & WPSH against Previously Permitted Scheme		% of its former Value		APSH Results	WPSH Results
	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH
394	31.94	10.49	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
395	32.88	10.49	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
396	33.20	10.13	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
397	34.14	11.07	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
398	33.57	10.49	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
399	33.57	10.49	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
400	33.11	10.03	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
401	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
402	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
403	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
404	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
405	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
406	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
407	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
408	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
409	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
410	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
411	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass

Table 99: APSH and WPSH analysis results for Ref. 09

Ref. 10

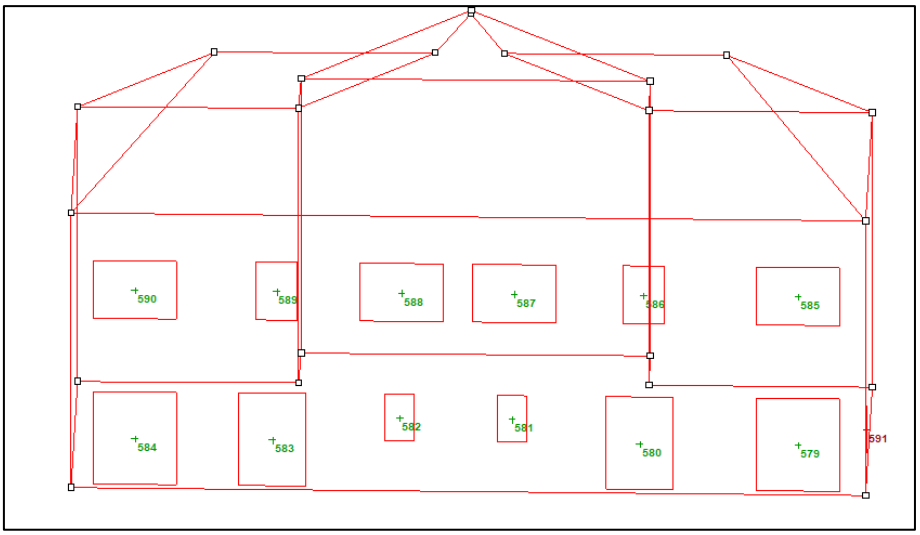


Figure 134: Location of sensitive receptor for APSH (Ref. 10)

Window Legend	Proposed Scheme		Proposed APSH & WPSH against Mirror Imaging Scenario		% of its former Value		Proposed APSH & WPSH against Previously Permitted Scheme		% of its former Value APSH Results		APSH Results	WPSH Results
	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH
579	26.26	6.25	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
580	27.25	7.58	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
581	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
582	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
583	28.62	8.34	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
584	29.97	8.99	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
585	28.74	8.46	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
586	30.16	9.88	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
587	29.87	9.59	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
588	29.91	9.42	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
589	30.57	9.79	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
590	30.55	9.57	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
591	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass

Table 100: APSH and WPSH analysis results for Ref. 10

Ref. 11

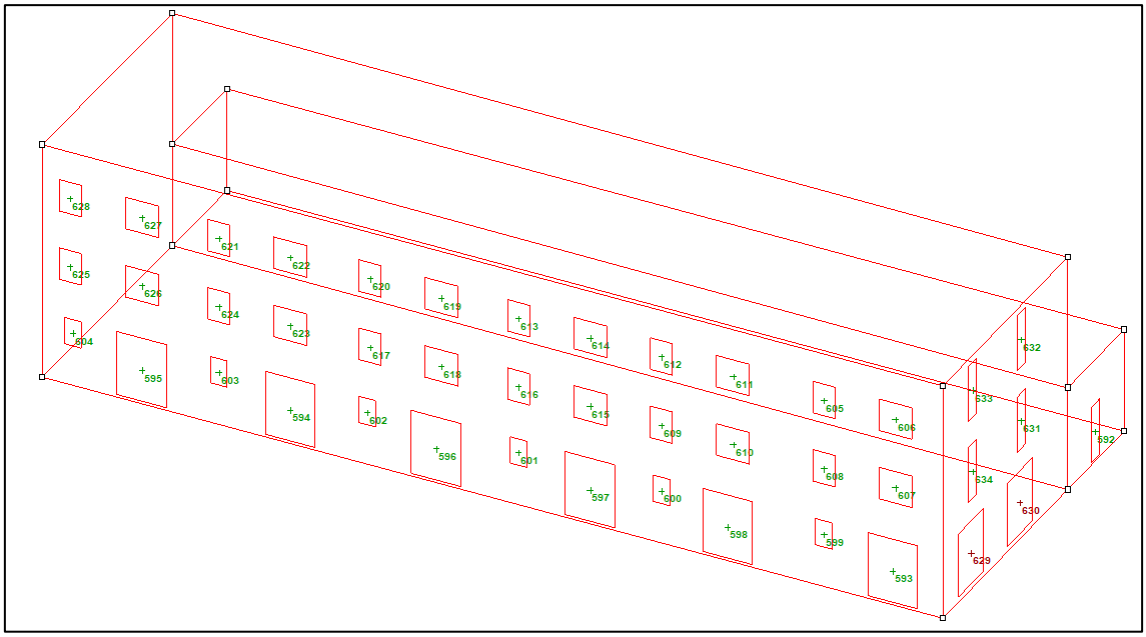


Figure 135: Location of sensitive receptor for APSH (Ref. 11)

Window Legend	Proposed Scheme		Proposed APSH & WPSH against Mirror Imaging Scenario		% of its former Value		Proposed APSH & WPSH against Previously Permitted Scheme		% of its former Value		APSH Results	WPSH Results
	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH
592	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
593	24.72	4.90	26.42	6.15	93.57%	79.67%	25.98	5.71	95.15%	85.81%	Pass	Fail
594	27.22	6.95	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
595	28.02	7.75	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
596	26.44	6.16	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
597	24.24	3.96	24.67	4.39	98.26%	90.21%	26.34	6.07	92.03%	65.24%	Pass	Pass
598	24.63	4.44	25.95	5.76	94.91%	77.08%	25.37	5.18	97.08%	85.71%	Pass	Fail
599	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
600	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
601	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
602	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
603	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
604	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
605	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
606	29.42	9.15	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
607	27.97	7.69	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
608	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
609	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
610	28.22	7.94	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass

Window Legend	Proposed Scheme		Proposed APSH & WPSH against Mirror Imaging Scenario		% of its former Value		Proposed APSH & WPSH against Previously Permitted Scheme		% of its former Value		APSH Results	WPSH Results
	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH
611	30.07	9.79	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
612	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
613	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
614	31.08	10.80	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
615	28.99	8.71	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
616	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
617	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
618	28.75	8.47	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
619	32.51	12.23	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
620	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
621	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
622	32.87	12.59	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
623	31.23	10.95	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
624	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
625	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
626	32.51	12.23	31.88	11.60	NA	NA	32.17	11.89	NA	NA	Pass	Pass
627	32.87	12.59	33.77	13.49	NA	NA	32.87	12.59	NA	NA	Pass	Pass
628	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
629	18.26	4.14	20.59	5.21	88.68%	79.46%	18.73	5.91	97.49%	70.05%	Pass	Fail
630	18.69	4.50	20.58	5.59	90.82%	80.50%	18.51	5.76	100.97%	78.13%	Pass	Pass
631	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
632	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
633	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
634	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass

Table 101: APSH and WPSH analysis results for Ref. 11

Ref. 12

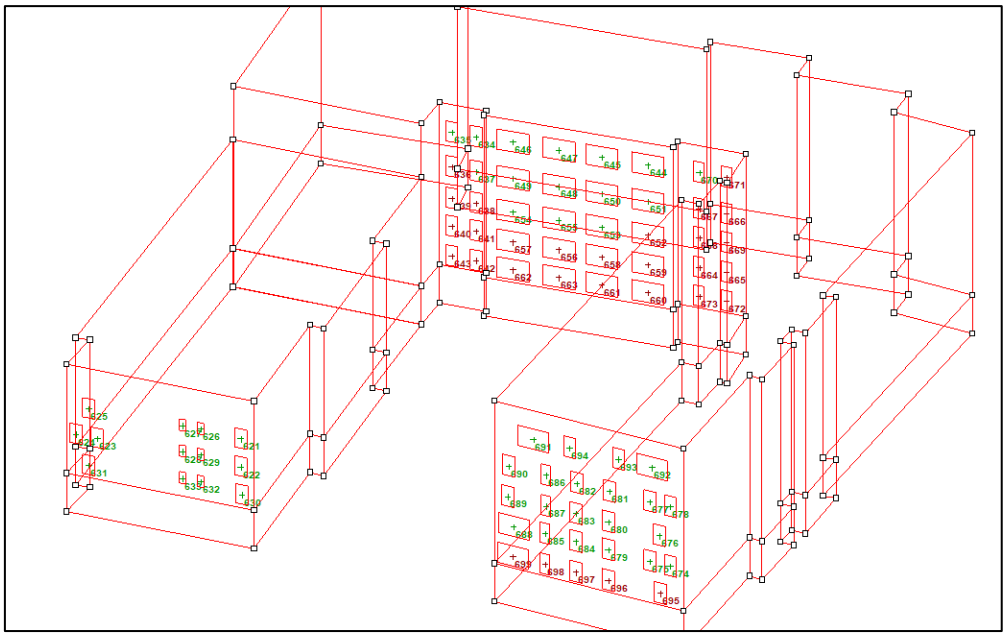


Figure 136: Location of sensitive receptor for APSH (Ref. 12)

Window Legend	Proposed Scheme		Proposed APSH & WPSH against Mirror Imaging Scenario		% of its former Value		Proposed APSH & WPSH against Previously Permitted Scheme		% of its former Value		APSH Results	WPSH Results
	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH
621	31.36	10.38	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
622	28.37	7.39	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
623	29.77	8.79	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
624	29.34	8.36	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
625	32.87	11.89	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
626	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
627	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
628	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
629	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
630	25.86	4.88	NA	9.07	NA	53.80%	NA	4.59	NA	106.32%	Pass	Fail
631	26.86	5.88	NA	8.76	NA	NA	NA	NA	NA	NA	Pass	Pass
632	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
633	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	NA	NA	Pass	Pass
634	23.43	9.08	23.43	NA	100.00%	NA	23.43	NA	100.00%	NA	Pass	Pass
635	26.87	12.89	26.87	NA	NA	NA	26.87	NA	NA	NA	Pass	Pass
636	23.27	11.19	23.27	NA	100.00%	NA	23.27	NA	100.00%	NA	Pass	Pass
637	21.24	8.65	21.24	NA	100.00%	NA	21.24	NA	100.00%	NA	Pass	Pass
638	19.60	7.51	19.60	NA	100.00%	NA	19.58	NA	100.10%	NA	Pass	Pass
639	19.67	8.25	19.67	NA	100.00%	NA	19.71	NA	99.80%	NA	Pass	Pass
640	17.28	6.02	17.28	NA	100.00%	NA	17.28	NA	100.00%	NA	Pass	Pass
641	16.82	6.09	16.82	NA	100.00%	NA	16.82	NA	100.00%	NA	Pass	Pass
642	12.29	4.03	12.93	4.67	95.05%	86.30%	12.79	4.53	96.09%	88.96%	Pass	Pass
643	14.71	4.11	15.37	4.77	95.71%	86.16%	15.21	4.60	96.71%	89.35%	Pass	Pass
644	32.22	11.24	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass

Window Legend	Proposed Scheme		Proposed APSH & WPSH against Mirror Imaging Scenario		% of its former Value		Proposed APSH & WPSH against Previously Permitted Scheme		% of its former Value		APSH Results	WPSH Results
	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH
645	34.11	13.13	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
646	35.34	14.44	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
647	34.86	13.88	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
648	29.93	9.01	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
649	30.60	10.32	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
650	28.25	7.27	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
651	24.93	4.49	25.22	4.78	98.85%	93.93%	25.22	4.78	98.85%	93.93%	Pass	Pass
652	20.49	3.14	20.49	3.14	100.00%	100.00%	20.49	3.14	100.00%	100.00%	Pass	Pass
653	25.00	4.94	NA	4.94	NA	100.00%	NA	4.94	NA	100.00%	Pass	Pass
654	27.58	7.70	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
655	26.86	6.08	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
656	23.87	5.16	23.87	5.16	100.00%	NA	23.87	5.16	100.00%	NA	Pass	Pass
657	23.09	5.44	23.09	5.44	100.00%	NA	23.09	5.44	100.00%	NA	Pass	Pass
658	22.09	3.96	22.09	3.96	100.00%	100.00%	22.09	3.96	100.00%	100.00%	Pass	Pass
659	17.22	2.35	17.22	2.35	100.00%	100.00%	17.22	2.35	100.00%	100.00%	Pass	Pass
660	15.05	2.10	15.05	2.10	100.00%	100.00%	15.05	2.10	100.00%	100.00%	Pass	Pass
661	18.37	3.32	18.71	3.66	98.18%	90.71%	18.68	3.63	98.34%	91.46%	Pass	Pass
662	19.43	4.15	20.03	4.75	97.00%	87.37%	19.93	4.65	97.49%	89.25%	Pass	Pass
663	19.63	3.65	20.18	4.20	97.27%	86.90%	20.13	4.16	97.52%	87.74%	Pass	Pass
664	12.88	1.99	12.88	1.99	100.00%	100.00%	12.88	1.99	100.00%	100.00%	Pass	Pass
665	11.47	1.31	11.47	1.31	100.00%	100.00%	11.47	1.31	100.00%	100.00%	Pass	Pass
666	13.51	1.31	13.51	1.31	100.00%	100.00%	13.51	1.31	100.00%	100.00%	Pass	Pass
667	16.75	2.10	16.75	2.10	100.00%	100.00%	16.75	2.10	100.00%	100.00%	Pass	Pass
668	14.39	2.10	14.39	2.10	100.00%	100.00%	14.39	2.10	100.00%	100.00%	Pass	Pass
669	12.13	1.31	12.13	1.31	100.00%	100.00%	12.13	1.31	100.00%	100.00%	Pass	Pass
670	25.93	6.29	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
671	19.25	3.04	19.25	3.04	100.00%	100.00%	19.25	3.04	100.00%	100.00%	Pass	Pass
672	11.24	1.31	11.24	1.31	100.00%	100.00%	11.36	1.31	98.94%	100.00%	Pass	Pass
673	12.24	1.63	12.24	1.63	100.00%	100.00%	12.24	1.63	100.00%	100.00%	Pass	Pass
674	29.32	9.04	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
675	28.67	8.39	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
676	30.17	9.89	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
677	33.41	13.13	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
678	33.60	13.32	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
679	27.97	7.69	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
680	29.75	9.47	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
681	32.81	12.53	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
682	33.20	12.92	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
683	29.80	9.52	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
684	27.97	7.69	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
685	28.02	7.74	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
686	33.22	12.95	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
687	29.87	9.59	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
688	26.83	6.55	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
689	29.40	9.12	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
690	33.25	12.97	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
691	34.97	14.69	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
692	34.97	14.69	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass

Window Legend	Proposed Scheme		Proposed APSH & WPSH against Mirror Imaging Scenario		% of its former Value		Proposed APSH & WPSH against Previously Permitted Scheme		% of its former Value		APSH Results	WPSH Results
	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH	APSH	WPSH
693	34.97	14.69	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
694	34.97	14.69	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
695	26.73	7.44	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
696	26.14	6.69	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
697	25.88	6.30	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
698	26.12	6.54	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass
699	25.21	5.63	NA	NA	NA	NA	NA	NA	NA	NA	Pass	Pass

Table 102: APSH and WPSH analysis results for Ref. 12

The surrounding properties achieve a 100% pass rate for ASHP, and an 87.15% pass rate for WPSH.

SUNLIGHT IMPACT TO EXISTING SURROUNDING AMENITY SPACES

BRE Guide 3rd Edition recommends that for external amenity spaces to appear adequately sunlit throughout the year, at least half of the space should receive at least two hours of sunlight on March 21st is chosen as the test date by BRE as it is the equinox and represents the average level of shading across the year.

In the case of existing amenity spaces, if they are already below the 50% threshold then BRE Guide 3rd Edition recommends the results are to be kept to within 0.80 times of its former value. In order to show the sunlight levels within the existing nearby residential amenity spaces located next to a proposed development.

The red squares in the Figures 137 below illustrate the areas that receive 2 hours or more of sunlight on the 21st of March for the existing adjacent amenity spaces. The existing adjacent amenity area receives 2 hours or more of sunlight on March 21st, after the construction of the proposed development. Compliance with BRE Guide 3rd Edition is shown as achieved.

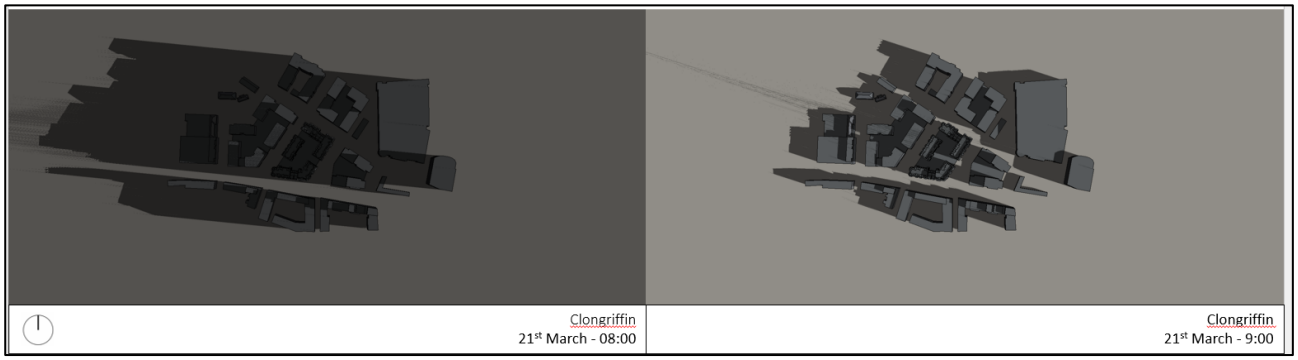
The proposed development does not have a perceptible impact on sunlight in the existing adjacent amenity spaces as the space still getting at least 2 hours of sunlight for more than 50% of the area on 21st March test day.

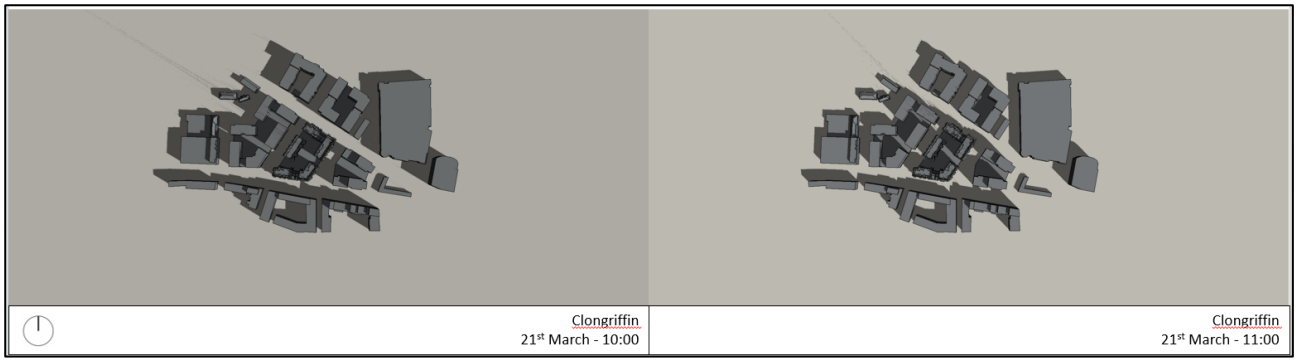


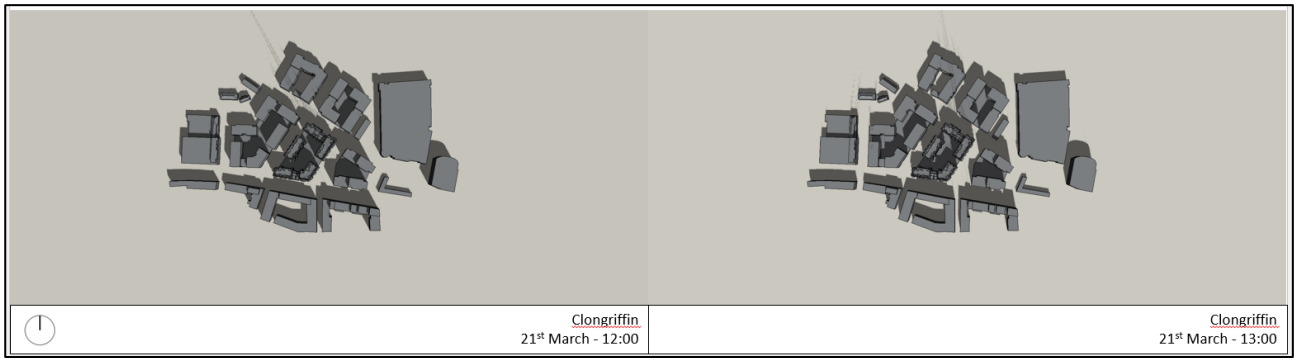
Figure 137: Adjacent Amenity Space Sunlight Analysis March 21st

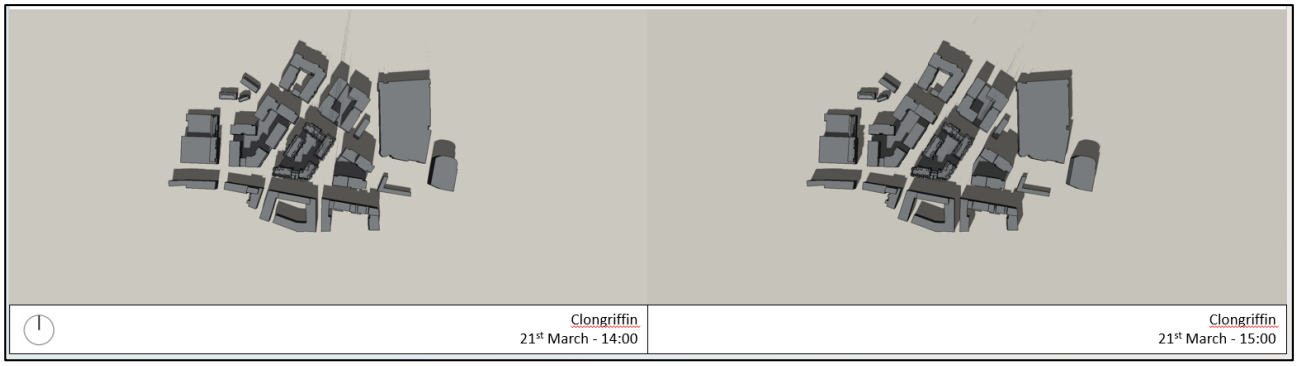
9 OVERSHADOWING IMPACT TO PROPERTIES

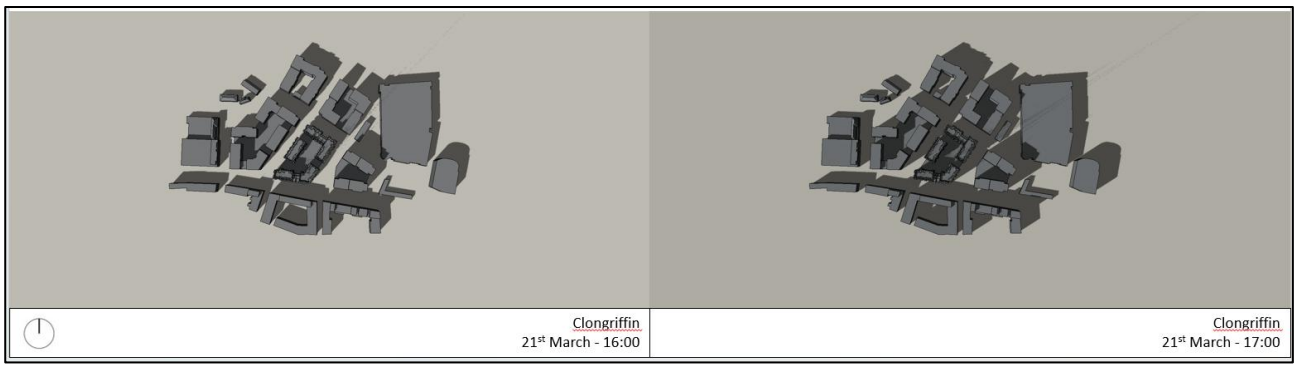
The overshadowing impact on adjacent properties was assessed on the 21st March test day. Only minimal impacts were observed on the buildings to the east and west of the proposed development, which is expected due to the sun's position during sunrise and sunset. Overall, no significant overshadowing impact on adjacent properties is anticipated as a result of the proposed development.

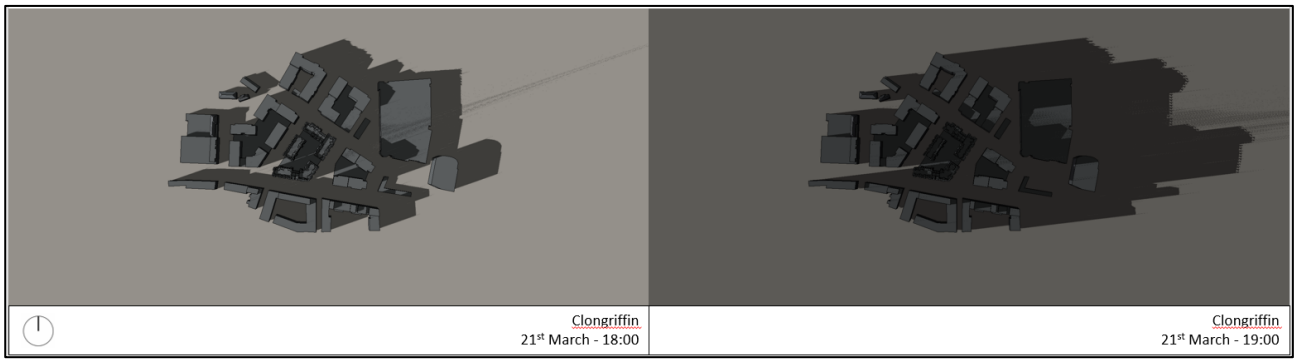







Clongriffin
21st March - 14:00
Clongriffin
21st March - 15:00


Clongriffin
21st March - 16:00
Clongriffin
21st March - 17:00


Clongriffin
21st March - 18:00
Clongriffin
21st March - 19:00

10 CONCLUSION

The Clongriffin residential development has been analysed in order to determine the following:

- The daylight levels within the living and bedroom areas throughout the proposed units within the development;
- The quality of amenity space being provided as part of the development, in relation to sunlight;
- The impact of the amended scheme to the adjacent properties surrounding the proposed development.

Calculations and methodology used are in accordance with BRE Guidelines for daylight and sunlight and based on the Building Research Establishments "Site Layout Planning for Daylight and Sunlight: A Good Practice Guide" by PJ Littlefair, 2022 Third Edition. However, the following text from BS 8206 should be reiterated as previously outlined:

"The advice given here is not mandatory and this document should not be seen as an instrument of planning policy. Its aim is to help rather that constrain the designer. Although it gives numeral guidelines these should be interpreted flexibly because natural lighting is only one of the many factors in site layout design"

Internal Daylight

The analysis confirms that the majority of spaces not only meet but greatly exceed the recommendations outlined within the Third Edition (2022) methodology, 99.9% for Criterion 1 and 98.9% for Criterion 2 within the proposed development has been achieved.

Throughout the development, comfortable and desirable spaces have been designed to enhance the opportunity for improved daylight levels and extensive glazing to every room enabling deep daylight penetration and providing enhanced views to landscaped open spaces.

Sunlight

In relation to amenity space sunlight, the overall amenity space in the development show compliance with BRE Guide 3rd Edition recommendations, with more than 50% of the total amenity space receiving more than 2 hours of sunlight on March 21st test day.

Overshadowing

The proposed scheme demonstrates that there is a negligible impact on the surrounding properties when assessed on the 21st March test day.

Impact to neighbouring properties

The VSC has been assessed for all windows within the surrounding existing and permitted properties. The analysis shows that the majority of windows in the neighbouring buildings achieve more than 27% VSC. For the windows where the VSC falls below the BRE recommended value, the proposed scheme has been

assessed against both the previously permitted scheme and a mirror image scenario (which assumes a building of the same height as the adjacent properties on the currently vacant site).

This comparison demonstrates that no noticeable daylight impact is anticipated for sensitive receptors 1 to 12, as the VSC remains greater than 80% of its former value. Additionally, an internal daylight analysis has been undertaken for a selection of worst-case rooms within adjacent properties where low VSC values are recorded. The majority of the rooms assessed meet the internal daylight levels required in accordance with BRE guidelines, confirming that no significant adverse impact on surrounding properties is expected as a result of the proposed development.

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11 VERIFICATION

This report was compiled and verified by:

Pushpendra Choudhary

Energy Engineer

O'Connor Sutton Cronin & Associates

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