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The Aylesham Centre, Peckham

Internal Daylight, Sunlight and Overshadowing Report

Document reference: AC17



Berkeley
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Appendices

- Appendix 1:** Proposed Drawings
- Appendix 2:** Technical Analysis
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1 Introduction

- 1.1 This Internal Daylight, Sunlight and Overshadowing Report has been prepared by Point 2 Surveyors Ltd. to accompany an application for full planning permission being submitted by the Applicant, Berkeley Homes (Capital) PLC, to the London Borough of Southwark (LBS).
- 1.2 This report relates to the dRMM Studio Architect's proposed scheme, received 24 April 2024 ('the Proposed Development') and provides technical support regarding the daylight, sunlight and overshadowing amenity within the scheme.
- 1.3 There have been some minor amendments to the scheme since the technical assessments presented in this report were completed. None of these amendments are considered material to the daylight, sunlight and overshadowing results. The amendments are listed below:
 - Relocated balconies on Building N and Q (not P);
 - Building N: solid balustrade proposed to the inset balconies on first floor;
 - Addition of balcony dividers to the terraces of several buildings: E, H, J, N;
 - Wind mitigation screens to be added to a small number of balconies on Building L;
 - Building M internal layout reconfigured at Level 19;
 - Parapet of Building L top roof and Building K lower roof lowered by 1m; and
 - Staircase of building L extended to roof level.

2 Sources of Information

- 2.1 In the process of compiling this report, the following sources of information have been used:

dRMM Studio

Proposed 3D Model (received 24/04/24)
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

3 Planning Overview

- 3.1 Through the planning process the local authority will wish to be reassured that the Proposed Development will benefit from acceptable levels of internal daylight and sunlight amenity. It is usual to assess this in relation to the BRE Guidelines¹.
- 3.2 This document is most widely accepted by planning authorities as the means by which to judge the acceptability of a proposed development in relation to daylight and sunlight amenity.
- 3.3 In an urban location, frequently site constraints and the proximity of neighbouring buildings mean that some windows or rooms will fall short of the guideline figures. However, the BRE Guidelines are not mandatory, and they explicitly state that the numerical target values should be interpreted flexibly. While local planning authorities will consider the acceptability of a proposed scheme in relation to BRE Guidance, consideration will be given to the context within which a scheme is located, and internal daylight amenity will be one of several planning considerations. Often levels of internal daylight need to be balanced with other factors, such as energy efficiency, overheating and provision of private external amenity space in the form of balconies.
- 3.4 Specifically, this report considers the NPPF and Southwark Plan 2022 policies, which relate to daylight and sunlight matters. The NPPF recommends that when considering applications for housing, authorities should take a flexible approach in applying policies or guidance relating to daylight and sunlight (para.129c). Further, the Southwark Plan 2022 excludes kitchens with an overall floor area of less than 11sq.m. from the habitable room definition (pg.112) which is relevant for the daylight and sunlight assessments.

¹ Building Research Establishment 'Site Layout Planning for Daylight and Sunlight' – A Guide to Good Practice, 3rd Edition, 2022 (BRE Guidelines)

4 Assessment Methodology & Application of Guidance

Daylight within Proposed Developments

- 4.1 The 2011 BRE Guidelines were revised in June 2022. In the 2022 revision of the BRE Guidelines, a new Climate Based Daylight Modelling ('CBDM') methodology, replaces the previous Average Daylight Factor ('ADF') methodology. The new methodology is more complex but is a more accurate simulation of actual daylight levels. However, the targets are generally more difficult to achieve, particularly within an urban context.

Climate Based Daylight Modelling

- 4.2 The new CBDM methodology is based on the British Standard 'Daylight in Buildings' (BS EN17037). This contains advice and guidance on interior daylighting for all buildings across Europe but also has a UK National Annex which provides suggested targets for dwellings in the UK.
- 4.3 BS EN17037 supersedes BS 8206 Part 2 which was based on ADF and is no longer recommended.
- 4.4 The CBDM methodology is based on target illuminances from daylight. This is the Daylight Illuminance ('DI') to be achieved over half the area of the room (measured on a reference plane at tabletop level) for at least half of the daylight hours in a typical year. The calculations are based on weather data files which cover different regions of the UK. The calculations are done for each hour of the day for every day of the year. There are 8760 hours in the year, of which 4380 are daylight hours, and therefore the targets should be achieved for 2190 hours in the year. The methodology uses a more accurate sky model which simulates the movement of the sun throughout the day and accounts for the weather conditions at the time. As a result, CBDM accounts for the presence of sunlight and therefore the orientation of the rooms/windows is accounted for. A south facing room is likely to have access to higher levels of natural light than a north facing room and as a result, a north facing room would typically need larger windows to comply.
- 4.5 The UK National Annex provides illuminance recommendations of:
- 100 Lux in bedrooms;
 - 150 Lux in living rooms; and
 - 200 Lux in kitchens.
- 4.6 These are median illuminances to be achieved over 50% of the assessment grid for at least half of the daylight hours.

- 4.7 Where a room has a shared use, the highest target should apply. However, it also says that Local Authorities could use discretion here and that a living room target of 150 Lux could be used for combined living/kitchen/dining rooms if the kitchens are not treated as habitable spaces, as it may avoid small separate kitchens in the design.

Sunlight within Proposed Developments

- 4.8 For new buildings, the BRE Guidelines refer to BS EN 17037 which states that a space should receive a minimum of 1.5 hours of sunlight on a selected date between 1st February and 21st March with cloudless conditions. The BRE Guidelines suggests 21st March be used. For dwellings, at least one habitable room, preferably a main living room, should achieve at least this minimum criterion and that at least one main window faces within 90° of south. Whilst BS EN 17037 applies to all orientations, the BRE Guidelines state that if the room faces significantly north of due east or west, the criterion is unlikely to be met.

Overshadowing (Sun on Ground)

- 4.9 Section 3.3 of the BRE guidelines describes the method of assessment of the availability of sunlight within garden/amenity spaces. This relates to the proportion of shading on March 21st.
- 4.10 The following types of open spaces to be assessed would normally include:
- Gardens, such as the main back garden of a house or communal garden including courtyard and roof terraces.
 - Parks and playing fields
 - Children's playgrounds
 - Outdoor pools, marinas, and lakes
 - Sitting out areas and public squares
 - Nature reserves
- 4.11 The BRE criteria for gardens or amenity areas are as follows, 'It is recommended that for it to appear adequately sunlit throughout the year, at least half of a garden or amenity space should receive at least two hours of sunlight on 21 March.'
- 4.12 The BRE also advises that 'As an optional addition, plots for summertime (for example 21 June) may be helpful as they will show the reduced shadowing then, although it should be borne in mind that 21 June represents the best case of minimum shadow, and that shadows for the rest of the year will be longer.'

5 Parameters and Assumptions

- 5.1 To calculate the various measures of daylight, sunlight and overshadowing it is necessary to construct a three-dimensional computer model. The model is then analysed using proprietary software to calculate the various measures of daylight, sunlight, and overshadowing.
- 5.2 The 3D model was created to reproduce the massing of the buildings both on and surrounding the Application Site at a level of detail appropriate to the calculations performed. All heights in the model are in mm Above Ordnance Datum ("AOD").
- 5.3 In relation to the CBDM assessment of daylight and sunlight within the Proposed Development, the following assumptions and parameters have been used. The design team have specified light-coloured internal finishes and therefore, in accordance with paragraph C24 of Appendix C of the new BRE guidelines, the following Reflectance values have been used:
- White painted walls with a reflectance of 0.8;
 - Light wood veneer floors / cream carpets with a reflectance of 0.4; and,
 - White ceilings with a reflectance of 0.8.

Building within Proposed Development	Main Façade Material	Reflectance Value Applied
A	Red brick	0.2
B	Red brick	0.2
C	Red brick	0.2
D	White brick	0.6
E	Light grey brick	0.4
F	Red brick	0.2
G	White brick	0.6
H	Dark grey brick	0.4
Buildings J1 & J2	Red brick	0.2
K	White brick	0.6

L	Red brick	0.2
M	Grey brick	0.4
N	Red brick	0.2
P	Light grey brick	0.4
Q	Red brick	0.2

- 5.4 With regard to the external surfaces of the Proposed Development, the undersides of the balconies are to be finished in white paint, and similarly the surface of each balcony will be finished with white paint. Accordingly, a 0.6 reflectance has been applied to these elements (while these finishes would potentially have a higher reflectance, the BRE specify that 0.6 is the highest reflectance you can apply to external materials). The window frames and metal balustrades are assumed to have a reflectance of 0.2.
- 5.5 All buildings surrounding the site are assumed to have an overall reflectance of 0.2, in line with BRE guidance.
- 5.6 As per paragraph C28 of the BRE Guidelines, the room assessment grid area excludes a 300mm band around the perimeter of the room.
- 5.7 For the proposed windows, the following assumptions have been made:
- A transmittance factor of 0.7 as specified by the designers. This transmittance value is correct according to the proposed specification and differs marginally from the BRE default value of 0.68 for diffuse transmittance (BRE, para. C26);
 - No framing factor is applied, as frames are included in the model provided by dRMM Studio. This is in accordance with BRE guidance at para. C25; and
 - A maintenance factor of 8% has been allowed to account for the effect of dirt on the glass in an urban environment.

6 The Proposed Development

- 6.1 The Site is located within Peckham town centre within the administrative boundary of the London Borough of Southwark ('LBS') (the Local Planning Authority ('LPA')). Rye Lane bounds the Site to the west, Hanover Park to the south and McKerrell Road to the east. Peckham Bus Station, fronting onto Peckham High Street, bounds the Site to the north.
- 6.2 The Site accommodates the Aylesham Centre alongside an associated surface car park (353 spaces), service yard, and petrol filling station. The Aylesham Centre comprises retail units fronting on to Rye Lane with additional retail units within a covered mall, including a Morrison supermarket.
- 6.3 The Proposed Development seeks: Demolition of existing buildings and phased redevelopment to provide a replacement supermarket and associated service yard and car parking (Use Class E(a)); flexible retail, leisure (including drinking establishment), and commercial accommodation (Use Class E/Sui Generis); dwellings (Use Class C3); landscaping; and associated works



Drawing Number: P2713/45 – 3D View – Proposed Development

- 6.4 Our understanding of the Proposed Development is illustrated in drawings P2713/44-46 contained within Appendix 1.

7 Internal Daylight & Sunlight Amenity

- 7.1 Full and detailed analysis annotated upon floor layout plans are provided within Appendix 2 (see drawing reference P2713/CBDM/80-120). These show both the locations and configuration of the rooms which have been analysed, together with the distribution of daylight illuminance (Lux levels) that are achieved for 50% of daylight hours and the median daylight illuminance figure for each room.

Internal Daylight Amenity

Assessment

- 7.2 A total of 877 dwellings are proposed, located within 15 residential buildings, with a further building, Building D, proposed as workspace. For the purpose of this assessment, a sample of dwellings has been considered, including 726 rooms which equates to 26% of all proposed habitable rooms.
- 7.3 The sample comprises rooms situated at the lowest residential floor level of each building on the basis that rooms located here are most likely to experience lower light levels than units in higher locations, due to increased obstruction from existing context and proposed buildings within the scheme. Two additional floors are tested within each building, at every other level.
- 7.4 Residential accommodation within Buildings J1, J2 and P is assessed at ground, second and fourth floor levels. Accommodation at second, fourth and sixth floor levels has been tested for buildings L and M. The second and fourth floor levels are assessed for building Q and for all remaining buildings, the first, third and fifth floor levels are assessed.

Results

- 7.5 An overall compliance rate of 67% for the scheme as whole has been extrapolated from the sample results. It is expected that the rooms considered in the sample will achieve lower median lux levels than those located on higher floor levels in the Proposed Development due to their more obstructed location. This level of overall compliance is considered good for the town centre location and is not uncommon for developments of this scale and density within an urban environment where buildings are taller and closer together and every unit is served by a private balcony space.
- 7.6 In large developments it is common for some rooms to not achieve guidance due to their location within the scheme, northerly room orientation and location behind and underneath protruding balcony structures.
- 7.7 The combined living/kitchen/dining rooms ('LKDs') assessed that are below guidance generally have their access to direct skylight restricted by balconies. The balconies are clearly an asset to the units they serve, and so the external amenity space they provide must be balanced against the reduced daylight to the rooms behind. The balconies also provide shade and therefore contribute to the prevention of overheating.

- 7.8 We also note that these spaces generally have their kitchen areas located towards the rear of the space, with the main living room areas located close to the windows at the front of the spaces. While the kitchen areas might require supplementary electric lighting, this situation is not uncommon in relation to residential development in urban locations. The living areas to the front of the spaces will generally receive good levels of daylight, with a significant portion of these areas achieving a Daylight Illuminance of at least 150 Lux (the DI target for a living room).
- 7.9 Further commentary is provided below on a building-by-building basis.

Building A

- 7.10 Within Building A the level of compliance for the sample of rooms tested is 40.5% with 15 rooms meeting the guidelines. Out of 22 rooms that fall short of their recommended targets, 9 are bedrooms, five are kitchens, six are living/dining rooms ('LDs') and two are LKDs.
- 7.11 Eight bedrooms that fall short of the guidance are located under the overhanging walkway on the east side and one further bedroom has its window located in a recess under a balcony, which will restrict access to skylight. Given the nature of bedroom occupancy, i.e. at nighttime, access to daylight and sunlight is considered less important than to main living room uses and therefore the layouts have been carefully designed within this building to locate LKDs and LDs in unobstructed locations.
- 7.12 The five stand-alone kitchens that fall short of their suggested targets are located either under balconies or have a northern orientation. Moreover, all five of the stand-alone kitchens are less than 6m² in total room area and it must be noted that the Southwark Plan 2022 does not consider kitchens of floor area less than 11 m² as habitable spaces (Southwark Plan 2022, Development Management Policy P1, pg. 112).
- 7.13 Six LDs and two LKDs that fall short of their suggested targets have their main window located under the overhanging balconies. While these spaces achieve between 52 to 85 Lux on the first floor, the results rise to between 108 to 148 Lux on the third floor, which are at levels not uncommon in urban areas. Furthermore, given the light levels on the fifth floor significantly surpass the recommended targets, the fourth floor is also expected to be compliant in most cases.
- 7.14 Overall, the compromised results are located mainly within rooms of lesser significance in daylight terms (such as bedrooms) or non-habitable kitchens of areas less than 6m² which were assessed for full transparency. Where the results fall short of their targets within LDs and LKDs, these spaces have the access of light to their main window hindered by an overhanging balcony. This, on balance provides access to private amenity which is an important benefit for future occupants.

Building B

- 7.15 Within Building B the level of compliance for the sample of rooms tested is 36.1% with 13 rooms meeting the guidelines. All 23 rooms that fall short of their recommended targets are bedrooms.
- 7.16 All bedrooms are located on the east side and have access of light to their windows hindered by walkways above. As bedrooms are considered less important in daylight terms than living rooms, they have been designed in this specific location of the building to allow for the main living spaces to be located on the west elevation.
- 7.17 Overall, the compromised results are limited to bedrooms which are of lesser significance in daylight terms. The main living spaces follow the practical application of the BRE guidelines and show that each apartment within Building B will have at least one main room enjoying very good access to daylight.

Building C

- 7.18 Within Building C the level of compliance for the sample of rooms tested is 62.9% with 22 rooms meeting the guidelines. Out of 13 rooms that fall short of their recommended targets, five are bedrooms, five are kitchens, two are LDs and one is an LKD.
- 7.19 Similarly to Buildings A and B, all five compromised bedrooms have their windows facing east and/or are located under balconies or walkways above. This also repeats for the five kitchens that fall short of their targets. Moreover, all standalone kitchens are small, being less than 7m² with only one around 9m². It, therefore, must be noted that the Southwark Planning Policy does not consider kitchens of floor area less than 11 m² as habitable spaces.
- 7.20 The two LDs which fall short of their suggested targets have their main windows located under overhanging balconies. The one LKD that transgress the guidelines also has at least one window obstructed by a balcony above it which limits access of light.
- 7.21 While the LDs and LKDs achieve between 38 to 81 Lux on the first floor, the results rise to between 92 to 238 Lux on the third floor and are at levels not uncommon in more urban areas. Furthermore, given the light levels on the fifth floor significantly surpass the recommended targets, the fourth floor is expected to be compliant in most cases.
- 7.22 In all instances where LDs and LKDs do not meet their targets, these spaces are between 7m and 9m deep and naturally benefit from high levels of light in the front of the room, reducing materially towards the rear. Moreover, all of these spaces have access to a balcony and typically, a level of trade-off between providing external amenity and access to daylight to rooms situated underneath/behind is expected.

- 7.23 Overall, the compromised results to bedrooms which are of lesser significance in daylight terms. Where the results fall short of their targets within LDs and LKDs, these spaces have access of light to their windows hindered by overhanging balconies, which on balance provides access to private amenity which is an important benefit for future occupants and policy requirement.

Building E

- 7.24 Within Building E the level of compliance for the sample of rooms tested is 40.7% with 22 rooms meeting the guidelines. Out of 32 rooms that fall short of their recommended targets, 14 are bedrooms, six are 1 bed 1 person units (1B1P) and 12 are LKDs. The 1B1P units comprise a mix of fully open-plan (one main room with no separate bedroom) and semi open-plan (a separate sleeping area that is part separated from the main living area and can be easily modified to provide a fully separate room). Refer to DAS for further details. The fully open plan units accord with the definition of 'Studio' provided in the Southwark Plan, therefore for the purpose of this daylight and sunlight analysis, these units have been assessed on the basis of them being studio units. A target value of 150lux median value is applied accordingly to these rooms.
- 7.25 Building E is surrounded by other proposed buildings within the site, therefore naturally has a limited outlook on the lowest floors. Furthermore, the design of Building E is such that all LKDs and 1B1P units are mainly located in the corner of the buildings and have access to the balcony which naturally hinders access of light to windows below. Bedrooms are designed mainly in the midsection on all elevations and have windows either directly under or between the two adjacent balconies.
- 7.26 On the first floor all but two rooms fall short of their recommended targets and one LKD achieves results considered commensurate with an urban area (142 Lux against the target of 150 Lux). These three rooms are located on the south elevation.
- 7.27 On the third floor, the results naturally improve. Four rooms on the southern elevation fully comply with the guidelines.
- 7.28 On the fifth floor all but three rooms with windows on southern and western elevations surpass their targets with one LKD achieving between 142 Lux, which is marginally below the target of 150 Lux.
- 7.29 Overall, the results for the sample of rooms tested show that most of the rooms tested will experience levels of daylight below the recommended targets. Where transgressions occur in 1B1P units or LKDs, these have access to balconies which, by nature, limit the light to the rooms below. Furthermore, residential units within Building E are located from the first to the tenth floor. Should all floors be tested, the overall compliance would materially improve.

Building F

- 7.30 Within Building F the level of compliance for the sample of rooms tested is 97.6% with 41 rooms meeting the guidelines. The one room which does not meet guidance is an LKD.

- 7.31 The one LKD that falls short of the target is located on the north elevation and achieves 137 lux which is considered a good level given the northern orientation and scale of development.
- 7.32 Overall, the results show that there will be good levels of daylight throughout Building F for future occupants.

Building G

- 7.33 Within Building G the level of compliance for the sample of rooms tested is 17.3% with nine rooms meeting the guidelines. Of the 43 rooms that fall short of their recommended targets, 27 are bedrooms, three are 1B1P units and 13 are LKDs.
- 7.34 Similarly to Building E, Building G is surrounded by other proposed buildings within the site, therefore, naturally has a limited outlook on the lowest floors which is typical for higher-density schemes.
- 7.35 Furthermore, the design of Building G is such that all LKDs and 1B1P units have access to balconies which naturally hinders the access of light to windows located below but on balance provides a valuable private external amenity to occupiers as required by local planning policy. Although balconies are not tested as part of the illuminance analysis, the daylight received to these spaces is expected to contribute to daylight perception within the rooms behind.
- 7.36 On the first floor all but one room fall short of their recommended targets. On the third floor the pass rate increases to three rooms and on the fifth floor to five rooms.
- 7.37 While the compliance rate is expected to increase with the floor levels going up, Building G will generally enjoy lower levels of daylight than other proposed buildings within the site. This is due to the constraints of the site which is allocated to deliver a high-density scheme. It must be noted that the BRE guidelines repeatedly emphasise to the user, whether that be designers, consultants or planning officials, to apply the guidelines in a manner that is appropriate for a particular situation.
- 7.38 Similarly, Chapter 11 of the NPPF (December 2023) paragraph 129 emphasises that developments should make optimal use of the potential of a site and a flexible approach be applied to policies or guidance relating to daylight and sunlight when efficient use of the site is at risk (as long as the resulting scheme would provide acceptable living standards).
- 7.39 Overall, the results for the sample of rooms tested show that the majority of rooms tested will experience levels of daylight below the recommended targets. Where transgressions occur in 1B1P units or LKDs, these have access to balconies which, by nature, limit access to light to the rooms below. Moreover, residential units within Building G are located between the first to the eleventh-floor levels. Should all floors be tested, the overall compliance would significantly improve. Finally, while the building shows lower daylight potential, the results need to be weighed against other planning considerations and wider context.

Building H

- 7.40 Within Building H the level of compliance for the sample of rooms tested is 66% with 35 rooms meeting the guidelines. Out of 18 rooms that fall short of their recommended targets, 13 are bedrooms and five are LKDs.
- 7.41 On the first floor seven bedrooms and three LKDs fall short of their recommended targets. Three bedrooms located on the western elevation will achieve results between 55 to 73 Lux. Three bedrooms in the northeast corner will achieve lower levels of daylight. However, bedrooms are considered to have lesser importance in daylight terms than main living rooms and it is not unexpected they occupy less favourable locations within the buildings.
- 7.42 The three LKDs which experience a lower level of daylight are compromised by the overhanging balcony structures. The BRE guidelines recognise that typically within residential buildings, not all units can be located with the same expectation of natural light.
- 7.43 On the third floor, the results naturally improve and on the fifth floor all but one room, a bedroom, exceed the recommended target daylight values.
- 7.44 Overall, the compromised results are in the vast majority limited to bedrooms which are of lesser significance in daylight terms. Where the results fall short of their targets within LKDs, these spaces have access of light to their windows hindered by overhanging balconies, which on balance provide access to private amenity which is an important benefit for future occupants.

Buildings J1 & J2

- 7.45 Within Building J the level of compliance for the sample of rooms tested is 49.2% with 29 rooms meeting the guidelines. Of the 30 rooms that fall short of their recommended targets, 10 are bedrooms, 14 are LKDs and six are 1B1P units.
- 7.46 Building J faces Building K to the north, Building H to the west and Buildings M and N to the east, therefore naturally has a limited outlook on the lowest floors in these directions. The outlook to the south is mainly unobstructed, hence all rooms tested on the south elevation surpass their targets by a significant margin.
- 7.47 On the ground floor all but three LKDs achieve their recommended targets. The three LKDs that fall short have access to the west-facing external private amenity spaces.
- 7.48 On the second floor six LKDs will achieve lower levels of daylight, however they are either only north-facing or have windows located under overhanging balconies which limit the penetration of daylight within the rooms behind. On balance, these rooms have access to their own balconies which is an important aspect in flatted urban schemes. On the fourth floor, light levels naturally improve.

- 7.49 Overall, the compromised results occur either in bedrooms which are of lesser significance in daylight terms or within LKDs and 1B1P units with access to private balconies, which, by nature, limit the light to the rooms below. Furthermore, residential units within Building J are located between ground and sixteenth floor levels. Should all floors be tested, the overall compliance would significantly improve.

Building K

- 7.50 Within Building K the level of compliance for the sample of rooms tested is 35.3% with 30 rooms meeting the guidelines. Out of 55 rooms that fall short of their recommended targets, 27 are bedrooms, three are 1B1P units and 25 are LKDs.
- 7.51 Building K has a clear outlook to the north which contributes to the positive results on the north elevation. All other elevations face other parts of the Proposed Development which naturally limits access to daylight at the lower levels.
- 7.52 On the first floor all but two rooms fall short of their recommended targets. Rooms in this building are generally compromised by overhanging balconies above.
- 7.53 On the third and fifth floors more rooms are tested and the pass rate increases. The layouts are carefully designed in this building to ensure that main living spaces benefit from corner locations and/or are dual aspect where possible.
- 7.54 Where there are transgressions to the guidelines in 1B1P units and LKDs, these are generally dual aspect spaces allowing for a better distribution of daylight within these rooms and in all instances, these rooms have access to balconies which hinder the ability of the room to receive daylight but provides a valuable amenity. For LKDs with a north south orientation, these are obstructed by walkways and balconies which further restricts access to daylight to rooms situated underneath.
- 7.55 While the compliance rate will increase with the floor levels going up, Building K will generally enjoy lower levels of daylight than most other proposed buildings within the site. This is not unexpected when delivering a large scale development and this constraint is recognised in the BRE guidelines as well as Chapter 11 of the NPPF.
- 7.56 Overall, the results for the sample of rooms tested show that the majority of the rooms will experience levels of daylight below the recommended targets. Where transgressions occur in Studios or LKDs, these have access to balconies which, by nature, limit the light to the rooms below. Where the results fall short of their targets, these need to be weighed against other planning considerations and wider context. As with other proposed buildings, should all floors be tested, the overall compliance would materially improve.

Building L

- 7.57 Within Building L the level of compliance for the sample of rooms tested is 67.9% with 55 rooms meeting the guidelines. Out of 26 rooms that fall short of their recommended targets, 6 are bedrooms, 14 are LKDs and six are 1B1P units.

- 7.58 The results show good compliance to the guidelines for most rooms within this building. Where rooms fall below their respective target levels, particularly for LKDs and 1B1P units, the distribution of daylight illumination within these spaces shows a high level of daylight in the front of the rooms where the main habitable space is located and benefit from a reasonable distribution of daylight illumination throughout. With the exception of two bedrooms on the south elevation, all compromised rooms have access to balconies which hinder access of light to the rooms below but on balance will provide well-lit external amenity to future occupiers.
- 7.59 Overall, the compromised results occur either in bedrooms which are of lesser significance in daylight terms or within LKDs and 1B1P units with access to the balconies, which, by nature, limit the light to the rooms below. Furthermore, residential units within Building L are located between the second and tenth floor levels. Should all floors be tested, the overall compliance would significantly improve.

Building M

- 7.60 Within Building M the level of compliance for the sample of rooms tested is 60.3% with 41 rooms meeting the guidelines. Out of 27 rooms that fall short of their recommended targets, 13 are bedrooms, 12 are LKDs and two are Studios.
- 7.61 Building M is the tallest building proposed with residential units located up to the twentieth floor level. As the building is located in the east centre of the site and is surrounded by other proposed buildings, naturally rooms will experience lower daylight levels on the lower floors. This will, however, significantly improve going up the building.
- 7.62 Generally, rooms located on the east side of this building will enjoy a higher level of daylight due to a greater separation distance from the other buildings of the proposal. In all cases and throughout all proposed buildings, Studios and LKDs benefit from private balconies which limit daylight to the rooms below.
- 7.63 Moreover, with the exception of the midsection of the western elevation and a small number of bedrooms located in the internal elbow of the building, all other spaces show high levels of daylight in the front of the rooms with a reasonable distribution of the illumination towards the rear of the rooms and material improvements going up the building.
- 7.64 Where there are transgressions to the guidelines, the results need to be weighed against the benefits of providing private amenity spaces in the form of balconies. Lastly, as mentioned earlier, should all floors be tested, the compliance would significantly improve.

Building N

- 7.65 Within Building N the level of compliance for the sample of rooms tested is 70.2% with 33 rooms meeting the guidelines. Out of 14 rooms that fall short of their recommended targets, five are bedrooms, six are LKDs and three are 1B1P units.

- 7.66 On the first floor six rooms comply with the guidelines and all of them are located to the south where they enjoy an open outlook. The three rooms that fail to meet their targets are located on the western elevation overlooking Building J. 1B1P unit R3/3301 and LKD R1/3301 have windows located underneath the balconies. However, they enjoy access to private amenity, which should be considered on balance.
- 7.67 On the third floor 13 rooms comply with the guidelines. Out of eight rooms that do not, two LKDs and one 1B1P unit achieves results between 108 and 147.7 Lux with very good distribution of the illuminance throughout due to the dual aspect of the rooms. Other rooms that do not comply are mainly bedrooms located under walkways or rooms in the northwest corner of the building with windows obstructed by the overhanging balconies and overlooking Building J.
- 7.68 On the fifth floor, the daylight levels improve materially with 15 rooms complying with the guidelines. The two remaining rooms are LKDs, which achieve lux levels of between 123 and 142, which is not uncommon in urban developments.
- 7.69 Overall, the results for Building N are good for a scheme of this scale. Where rooms fall short of their respective target values, this is mainly limited to bedrooms with windows located under walkways or main living spaces with windows located under the balconies, which on balance provide sought-after private amenity space. Like with other buildings, should all floors be tested, the overall compliance would materially improve.

Building P

- 7.70 Within Building P the level of compliance for the sample of rooms tested is 69.2% with 27 rooms meeting the guidelines. Out of 12 rooms that fall short of their recommended targets, 8 are bedrooms and four are LKDs.
- 7.71 On the ground floor two LKDs are tested of which one benefits from three windows and complies with the guidelines and the other one is served by one window located under the balcony and fails to meet its target. This room however has been designed to allow for privacy.
- 7.72 On the second floor nine rooms facing north, east and south comply with their targets. The remaining nine rooms that fall short of their targets comprise seven bedrooms which are considered less important in daylight terms and two LKDs with windows located under overhanging balconies on the floor above. Occupants of these units will have access to large private terraces, contributing to the well daylight spaces they can enjoy.
- 7.73 On the fourth floor the compliance increases significantly with 17 rooms complying with the guidelines. The remaining two rooms comprise one bedroom and one LKD, both of which are situated underneath an overhanging balcony. However, both rooms while they fall short of the guideline lux levels, benefit from good distribution of light throughout with light reaching the back of the rooms.

- 7.74 Overall, the results for Building P are good in the context of larger developments. Where rooms fail to meet their targets, this is limited mainly to the west side of the building and to the bedrooms which are considered less important in daylight terms. A small number of LKDs are compromised and they all have windows obstructed by the balconies above but instead benefit from access to their own external amenities. Should the whole building be tested, the overall compliance would improve significantly.

Building Q

- 7.75 Within Building Q the level of compliance for the sample of rooms tested is 55.3% with 21 rooms meeting the guidelines. Out of 17 rooms that fall short of their recommended targets, 13 are bedrooms and four are LKDs.
- 7.76 On the second floor seven rooms comply with the guidelines with one LKD being only marginally below the 150 Lux target and two further LKDs achieving a result of between 90 and 120 Lux, however benefiting from a high level of daylight in the front of the room and good overall distribution of daylight illuminance within the whole space. The other rooms that fail are bedrooms and one LKD with its windows located under the balcony above but on balance, it has access to its own private balcony which will benefit the occupiers.
- 7.77 On the fourth floor the compliance increases significantly.
- 7.78 Overall, the results for Building Q are positive given the high-density nature of the scheme. Where rooms fail to meet their targets, they are mainly located on the western elevation overlooking Building N and limited to bedrooms and a small number of LKDs with windows obstructed by the balconies above. All units have been provided with balconies which are expected to contribute to daylight perception within the rooms behind.

Internal Sunlight Amenity

- 7.79 The sunlight assessment shows that for the sample tested, 57% of units will have at least one room meeting sunlight criteria. Generally, where sunlight is compromised this is owing to the overhanging balconies hindering the access of light to rooms beneath.
- 7.80 Where dwellings have a requirement for private amenity space and these are in the form of balconies, it must be acknowledged that this can have a limiting effect on the sunlight availability to rooms located beneath where the underside of the balcony structure blocks a portion of the sky dome when viewed from the centre of the window. This is particularly the case in large scale urban developments such as the Proposed Development, where there is a greater requirement for private amenity provision in the form of balconies and where buildings generally tend to be taller and in closer proximity to one another.
- 7.81 Moreover, the BRE guidelines recognise that it is not always possible to have units with southern orientations and where rooms face significantly north of due east or west, the criterion is unlikely to be met which is the case for a number of units within the proposed scheme.

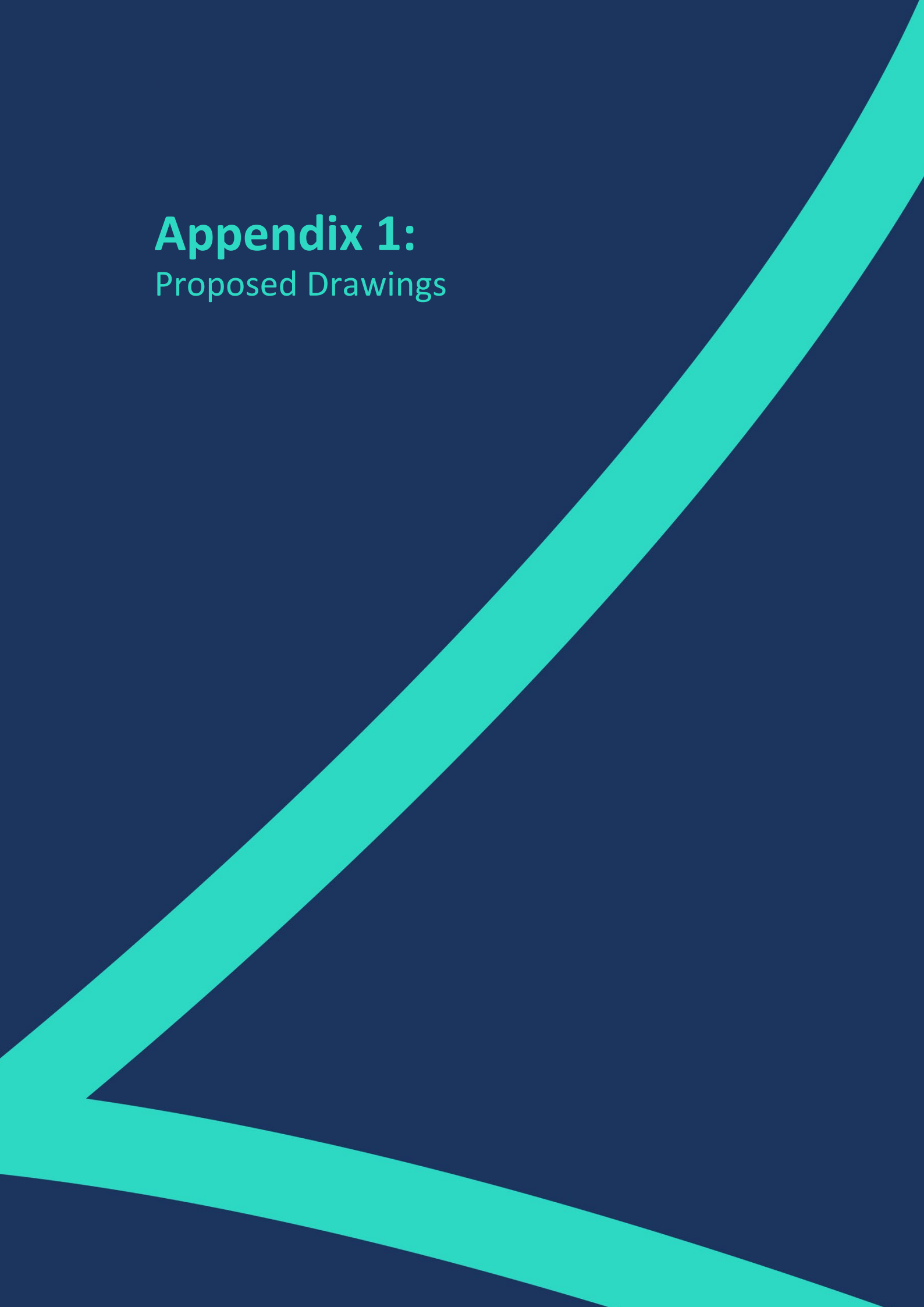
- 7.82 Overall, the results show that the majority of units within the whole scheme will have adequate access to direct sunlight and should therefore be considered acceptable. Where there are shortfalls against the BRE numerical targets, the units will have access to private balconies and/or have a northly orientation, which need to be taken into account when considering the acceptability of results. Further, this compliance rate applies to the sample of units tested only, and is expected to increase significantly should all units be tested, taking account of greater access to sunlight the higher the position of a unit within the scheme.

8 Overshadowing

- 8.1 Drawings P2713/SHAD/33-34 contained within Appendix 3 show the results of the overshadowing assessment in relation to BRE guidance.
- 8.2 A total of 16 areas of external amenity have been tested within the scheme for both March 21st and June 21st supplementary testing times. In March, 10 of the areas assessed achieve adequate direct sunlight, including key public open space at Aylsham Gardens. At June 21st, all but one space will experience excellent direct sunlight, far in excess of the guidance.
- 8.3 The location and orientation of buildings within the Proposed Development have been carefully considered to ensure that external amenity at ground, podium and roof top levels are well sunlit as far as possible. It is inevitable within large urban developments, that some areas will experience lower levels of direct sunlight. For example, areas directly north of buildings will naturally experience less direct sunlight on March 21st, Spring Equinox, due to the lower position of the sun in the sky dome at that time of year. However, in June when it is more likely that users will pause for longer periods of time in the amenity spaces, excellent sunlight will be achieved throughout the site.
- 8.4 It is considered that future occupants of the Proposed Development will benefit from good levels of direct sunlight for an urban development.

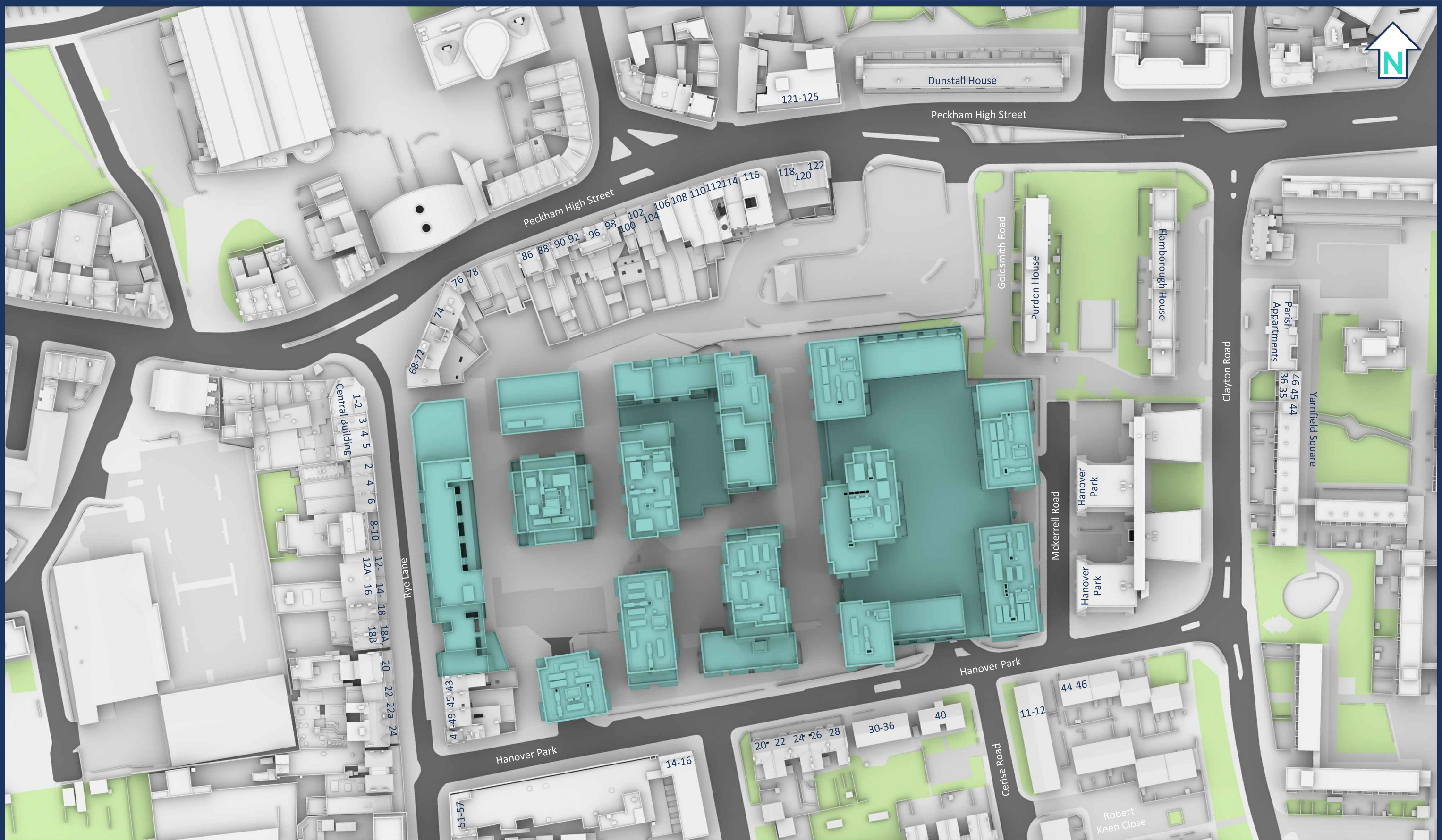
9 Conclusion

- 9.1 Daylight and sunlight amenity within the scheme have been considered in relation to the BRE guidelines on daylight and sunlight, and British Standard 'Daylight in Buildings' (BS EN17037).
- 9.2 In terms of internal daylight and sunlight amenity for the proposed residential units, the results show that approximately 67% of proposed habitable rooms will meet the suggested daylight standards. Where rooms fall below the recommended target values, this is generally due to the restricting design of balconies which limit the access to daylight and sunlight to rooms underneath, as well as northerly orientation of some rooms, which is unavoidable in large sale developments.
- 9.3 Internal layouts have been considered to allow for dual aspect main living spaces where possible and a southerly orientation of the main window wall to the living space in accordance with BRE guideline principles. Layout design ensures that less important room uses (in daylight terms) such as bedrooms, are located in more restricted locations and obstructed main living spaces are limited.
- 9.4 The sunlight assessment shows that across all buildings within the proposed scheme, 57% of the units meet the BRE suggested sunlight criteria. This figure is based upon the sample of units tested and therefore, the overall compliance is expected to be significantly greater should all units be tested across proposed buildings, taking into account increased access to sunlight as you move higher within each building.
- 9.5 Further, overshadowing assessment results demonstrate that external amenity spaces will achieve a good level of direct sun to key spaces, such as Aylesham Gardens at March 21st. Considering the excellent sunlight levels at June 21st across the site, it is considered that good overall levels of sunlight will be achieved, notwithstanding some areas will be shaded at Spring Equinox. The design of external amenity spaces has been carefully considered to ensure that seating areas and play spaces are located in well sunlit areas.
- 9.6 The results should be considered within both the urban context and the intention of the BRE guidance, which is to be applied flexibly, since natural light is only one of many factors in site layout design.
- 9.7 In conclusion, overall daylight and sunlight amenity will be good with BRE compliance rates typical of an urban environment.



Appendix 1:

Proposed Drawings



Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed 3D Model (received 24/04/24)
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key:

- Existing Buildings
- Proposed Scheme

Project: Aylesham Centre
Peckham

Title: Site Plan
Proposed Scheme 24/04/24

Scheme Confirmed:

Date:

Drawn By:
JR

Scale:
1:1250 @ A3

Date:
May 24

Dwg No:
P2713/44

Rel:
28





Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed 3D Model (received 24/04/24)
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key:

- Existing Buildings
- Proposed Scheme

All Heights in mm AOD

Project: Aylesham Centre
Peckham

Title: 3D View
Proposed Scheme 24/04/24

Scheme Confirmed:

Date:

Drawn By:
JR

Scale:
NS @ A3

Date:
May 24

Dwg No:
P2713/45

Rel:
28





Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed 3D Model (received 24/04/24)
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key:

- Existing Buildings
- Proposed Scheme

All Heights in mm AOD

Scheme Confirmed:

Date:

Project: Aylesham Centre
Peckham

Drawn By:
JR

Scale:
NS @ A3

Date:
May 24

Title: 3D View
Proposed Scheme 24/04/24

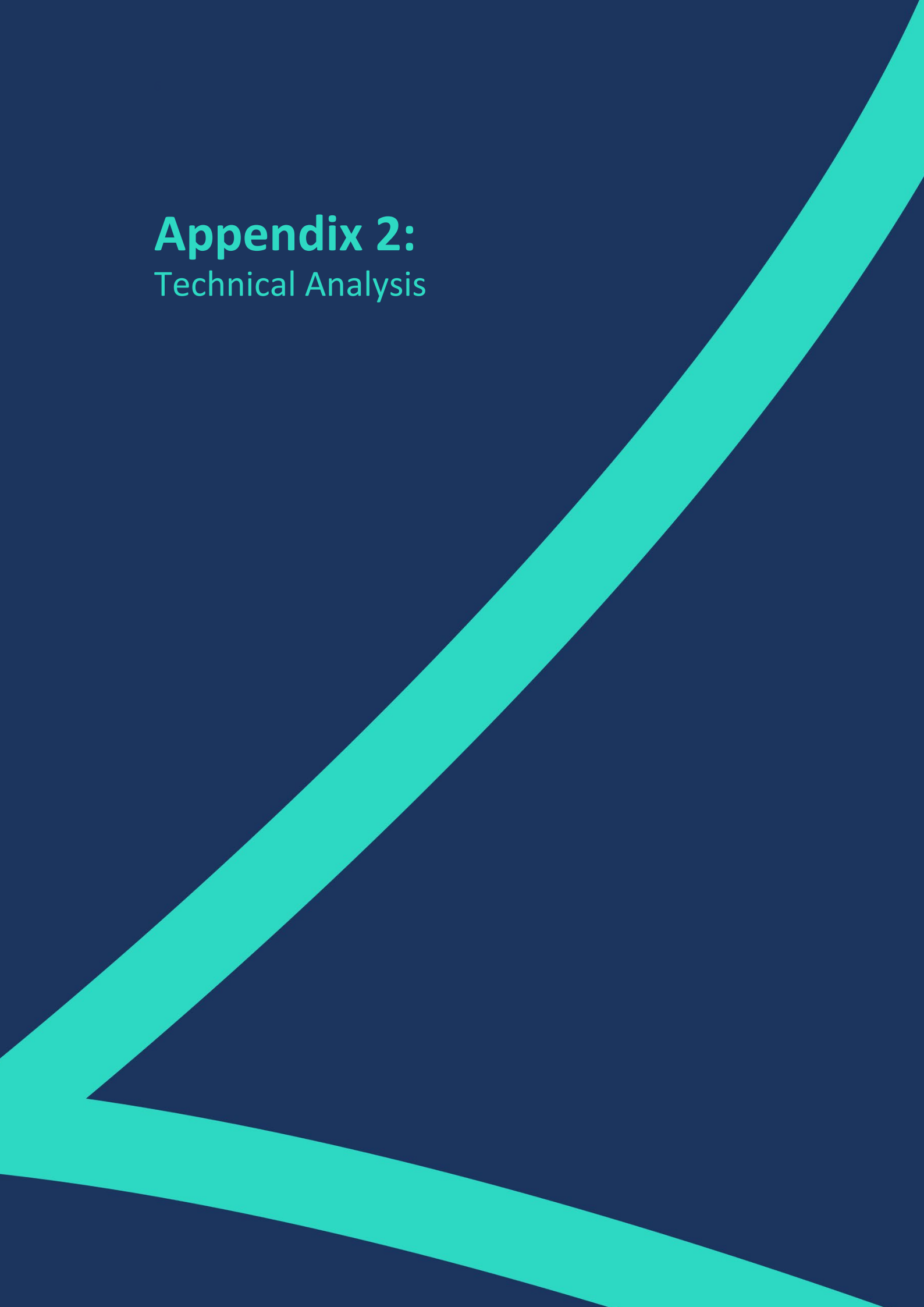
Dwg No:
P2713/46

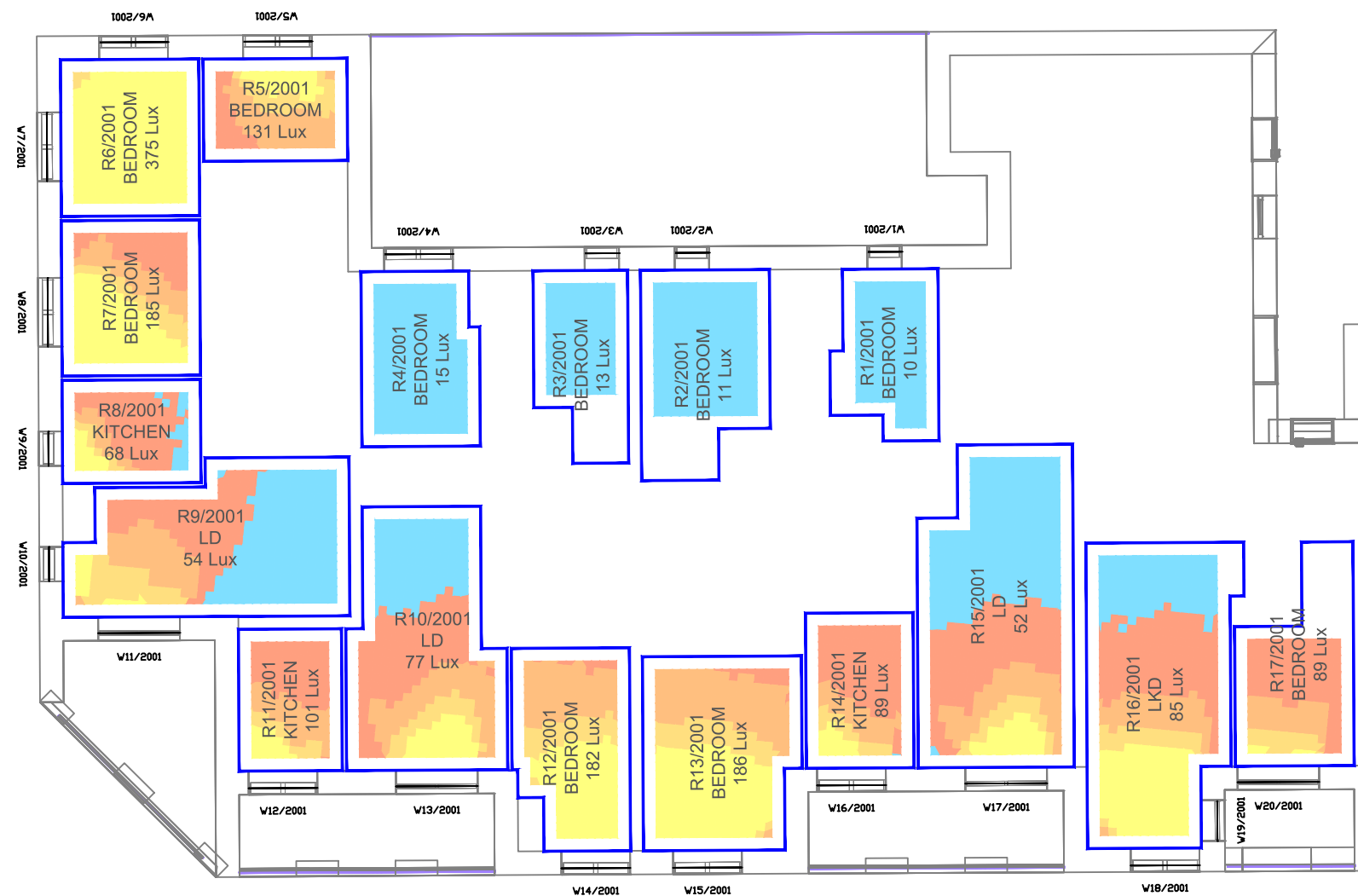
Rel:
28



Appendix 2:

Technical Analysis





First Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux

>50 Lux

>100 Lux

>150 Lux

>200 Lux

Median Illuminance (Lux) Levels
shown for each room.

Recommended Targets:

Bedroom	100 Lux
Living Room	150 Lux
Kitchen	200 Lux

Project: Aylesham Centre,
Peckham

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

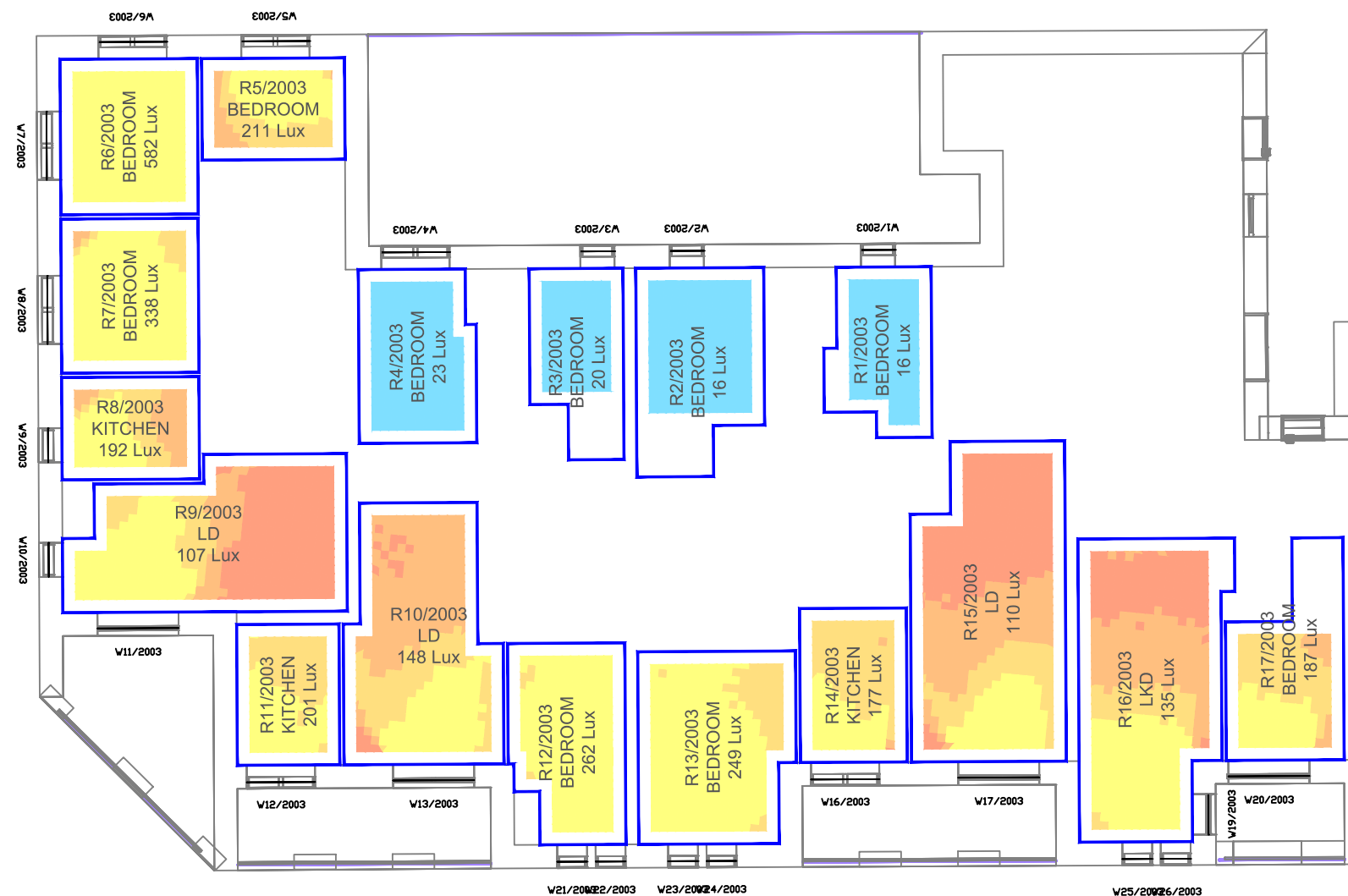
Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block A

Dwg No:
P2713/CBDM/80

Rel:
31





Third Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux	Median Illuminance (Lux) Levels shown for each room.
>50 Lux	
>100 Lux	Recommended Targets:
>150 Lux	Bedroom 100 Lux
>200 Lux	Living Room 150 Lux
	Kitchen 200 Lux

Project: Aylesham Centre,
Peckham

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

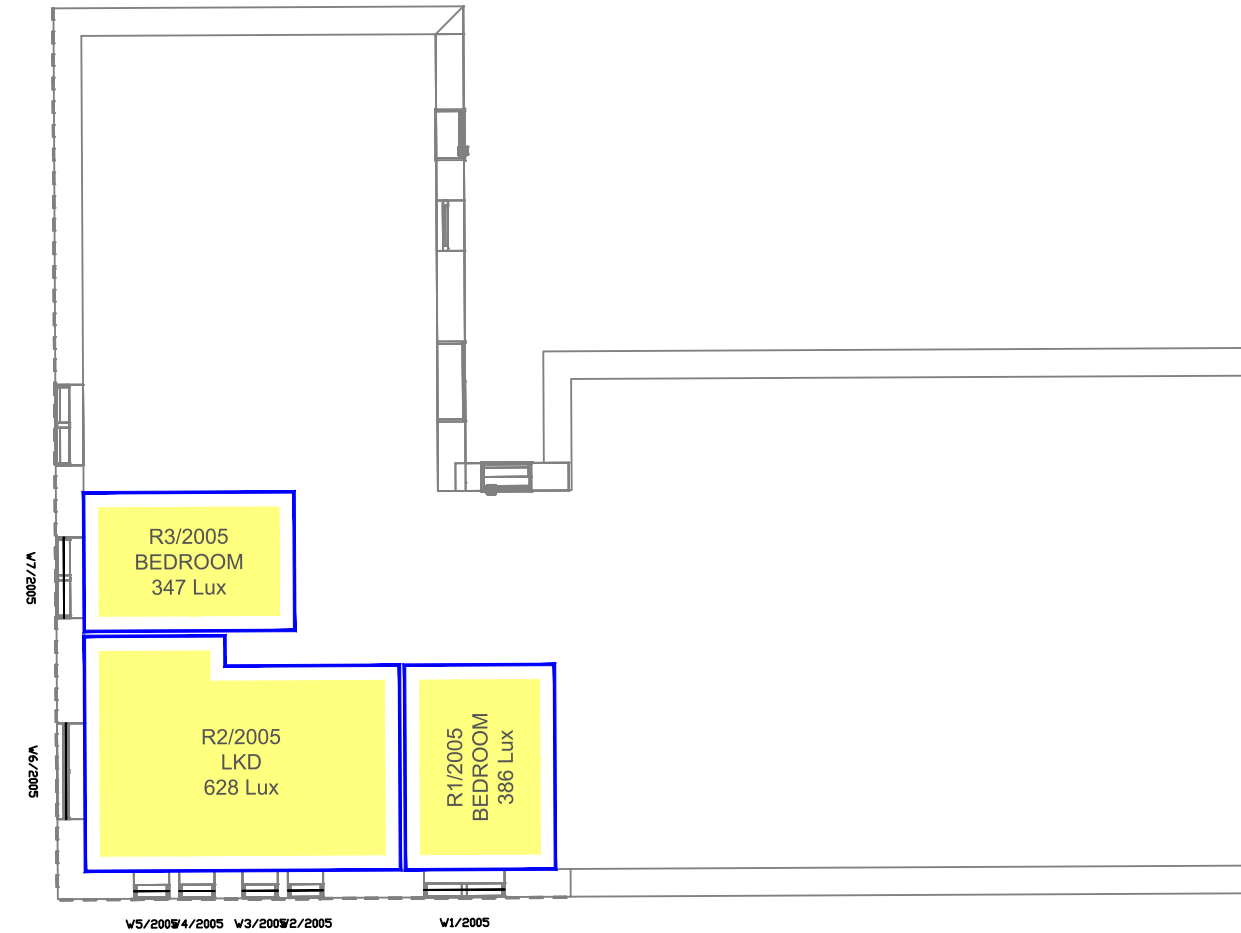
Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block A

Dwg No:
P2713/CBDM/81

Rel:
31

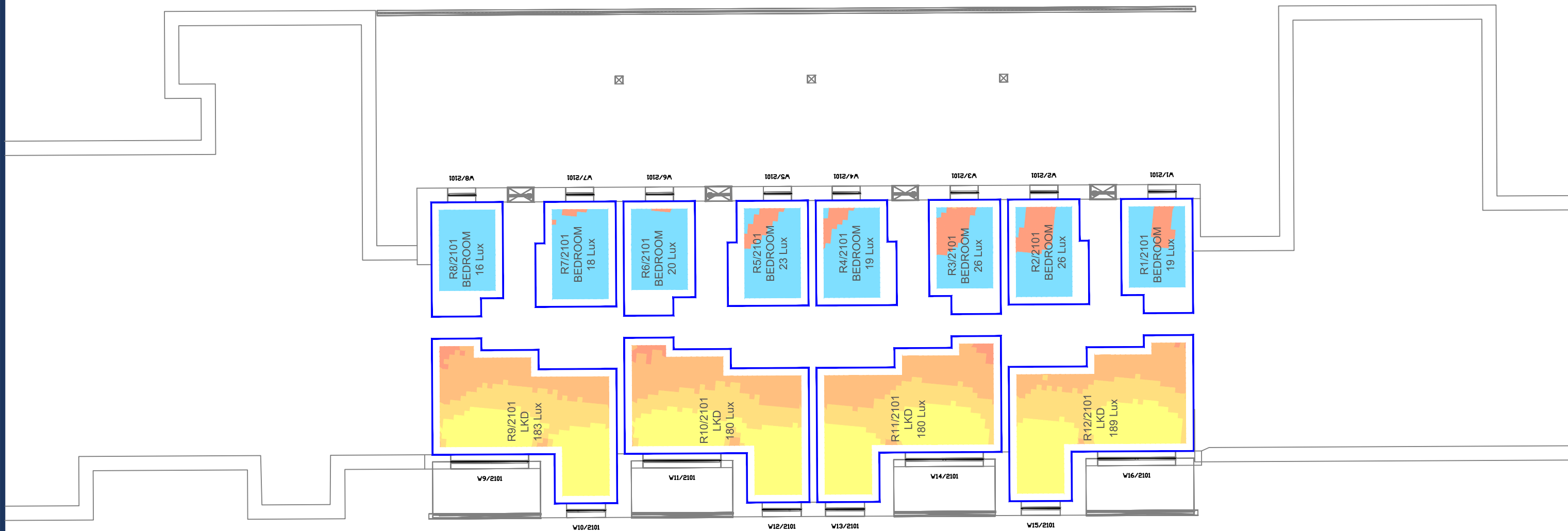




Fifth Floor

Sources: Zmapping Ltd 3D surroundings Model (29/04/21 - 2019 Data) Survey Info (received 10/02/22) 10042-02.rvt dRMM Studio Proposed Info (received 24/04/24) ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt		Key: Daylight Illuminance (achieved for 50% of daylight hours) <div><div><50 Lux</div><div>>50 Lux</div><div>>100 Lux</div><div>>150 Lux</div><div>>200 Lux</div></div> <div>Median Illuminance (Lux) Levels shown for each room. Recommended Targets: Bedroom 100 Lux Living Room 150 Lux Kitchen 200 Lux</div>		Project: Aylesham Centre, Peckham		Title: Climate Based Daylight Modelling (CBDM) Assessment Median Illuminance (Lux) Levels Proposed Scheme 24/04/24 Block A	
Scheme Confirmed:		Date:	Drawn By: BW	Scale: 1:150 @ A3	Date: Jun 24	Dwg No: P2713/CBDM/82	Rel: 31





First Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux	Median Illuminance (Lux) Levels shown for each room.
>50 Lux	
>100 Lux	Recommended Targets:
>150 Lux	Bedroom 100 Lux
>200 Lux	Living Room 150 Lux
	Kitchen 200 Lux

Project: Aylesham Centre,
Peckham

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

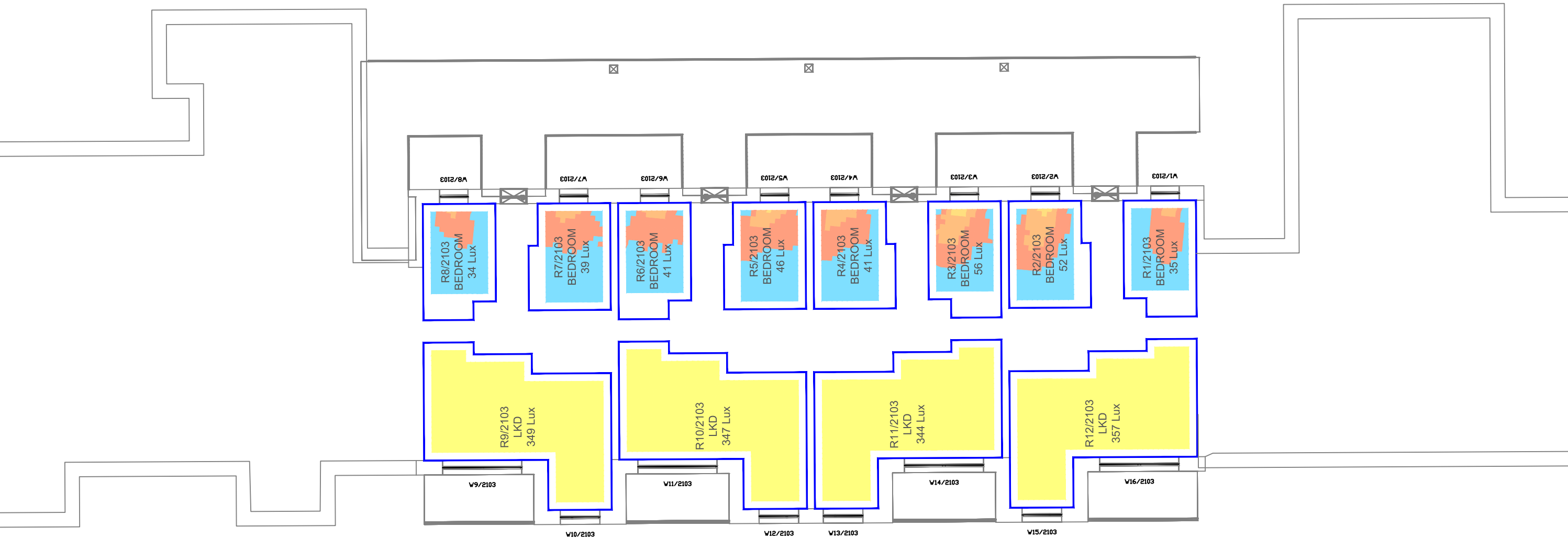
Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block B

Dwg No:
P2713/CBDM/83

Rel:
31





Third Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux

>50 Lux

>100 Lux

>150 Lux

>200 Lux

Median Illuminance (Lux) Levels
shown for each room.

Recommended Targets:
Bedroom 100 Lux
Living Room 150 Lux
Kitchen 200 Lux

Project: Aylesham Centre,
Peckham

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

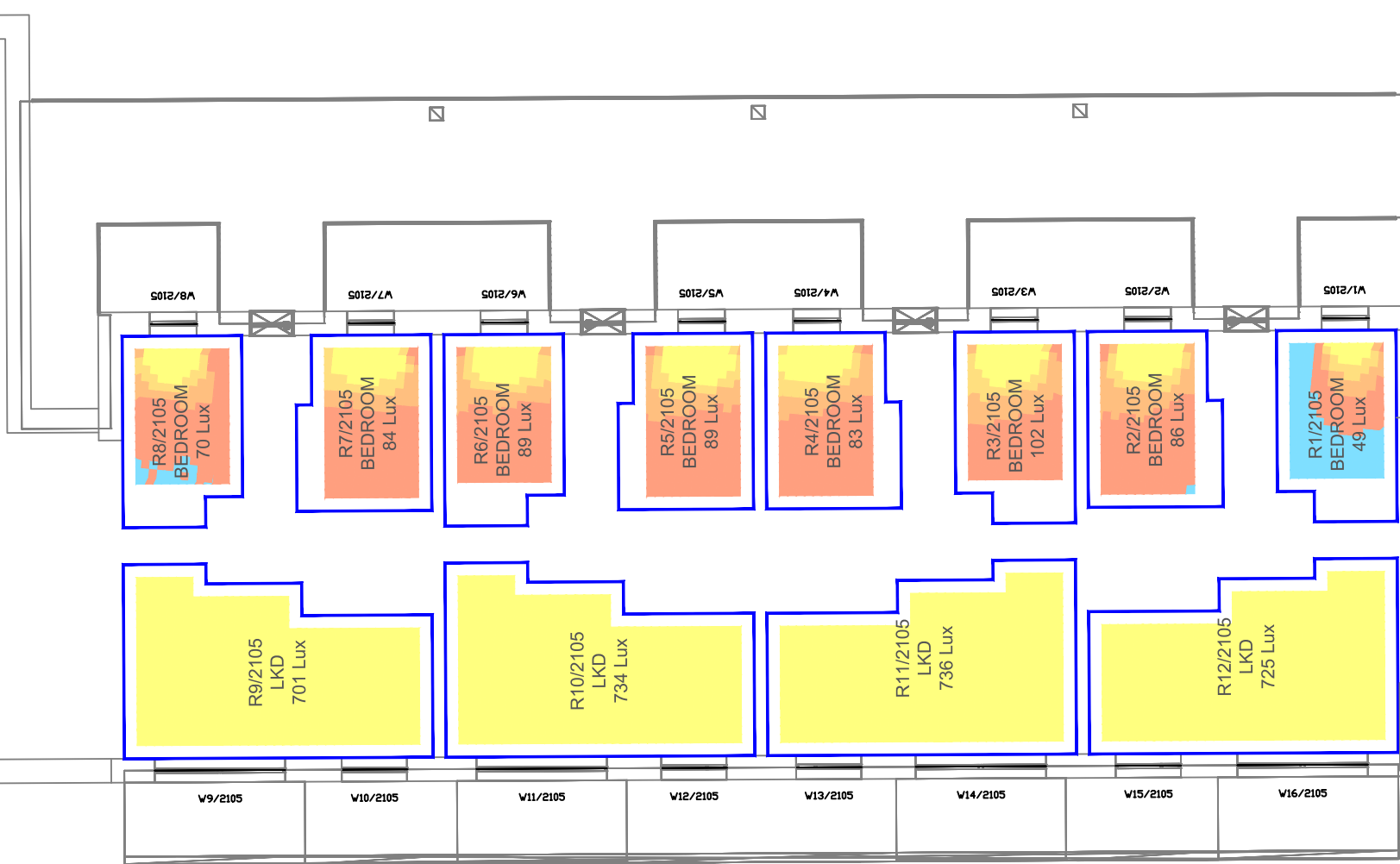
Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block B

Dwg No:
P2713/CBDM/84

Rel:
31





Fifth Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux

>50 Lux

>100 Lux

>150 Lux

>200 Lux

Median Illuminance (Lux) Levels
shown for each room.

Recommended Targets:
Bedroom 100 Lux
Living Room 150 Lux
Kitchen 200 Lux

Project: Aylesham Centre,
Peckham

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block B

Dwg No:
P2713/CBDM/85

Rel:
31





First Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux

>50 Lux

>100 Lux

>150 Lux

>200 Lux

Median Illuminance (Lux) Levels
shown for each room.

Recommended Targets:

Bedroom	100 Lux
Living Room	150 Lux
Kitchen	200 Lux

Project: Aylesham Centre,
Peckham

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block C

Dwg No:
P2713/CBDM/86

Rel:
31





Third Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux

>50 Lux

>100 Lux

>150 Lux

>200 Lux

Median Illuminance (Lux) Levels
shown for each room.

Recommended Targets:

Bedroom	100 Lux
Living Room	150 Lux
Kitchen	200 Lux

Scheme Confirmed:

Date:

Project: Aylesham Centre,
Peckham

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

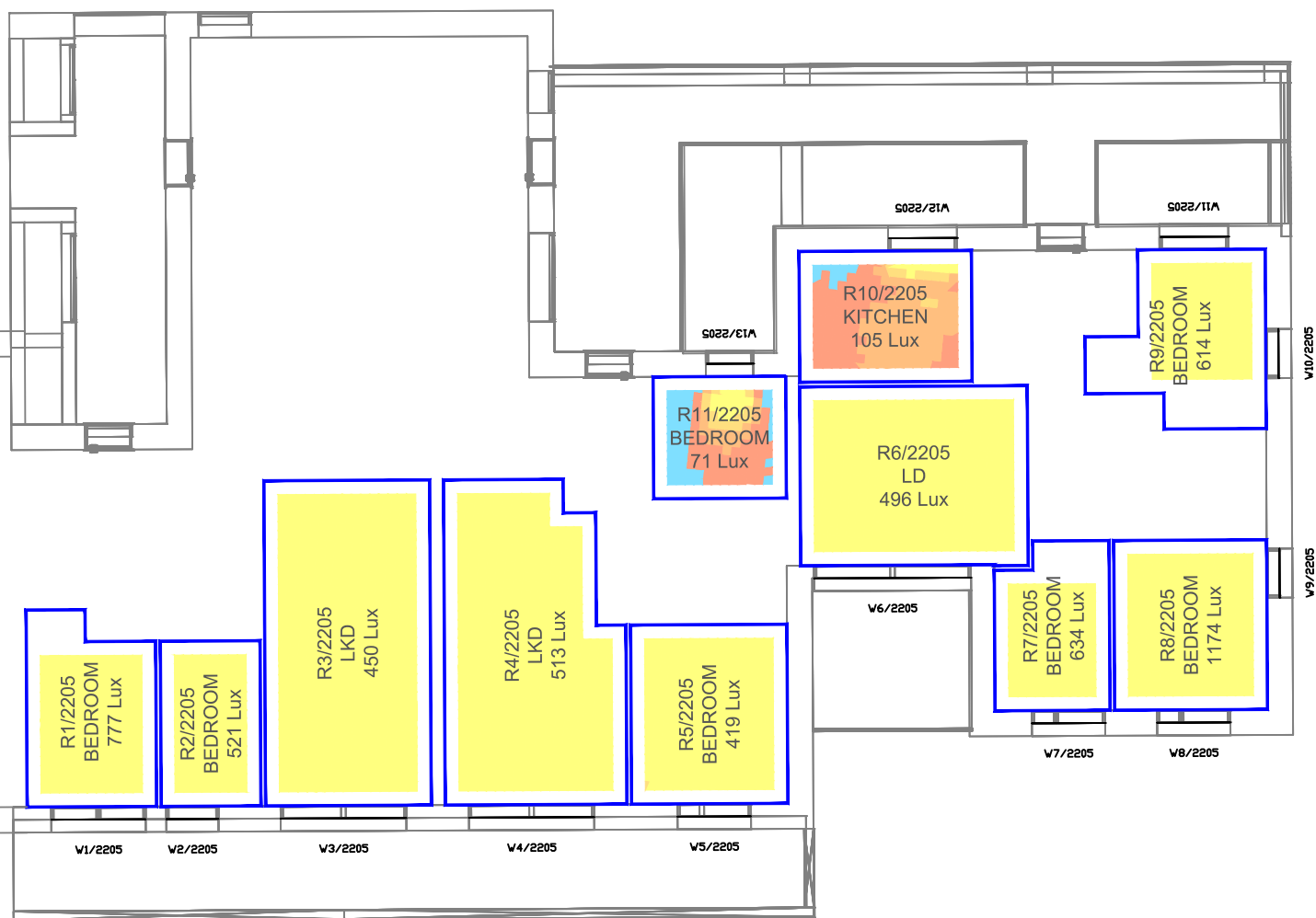
Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block C

Dwg No:
P2713/CBDM/87

Rel:
31





Fifth Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux

>50 Lux

>100 Lux

>150 Lux

>200 Lux

Median Illuminance (Lux) Levels
shown for each room.

Recommended Targets:
Bedroom 100 Lux
Living Room 150 Lux
Kitchen 200 Lux

Project: Aylesham Centre,
Peckham

Drawn By: BW

Scale: 1:150 @ A3

Date: Jun 24

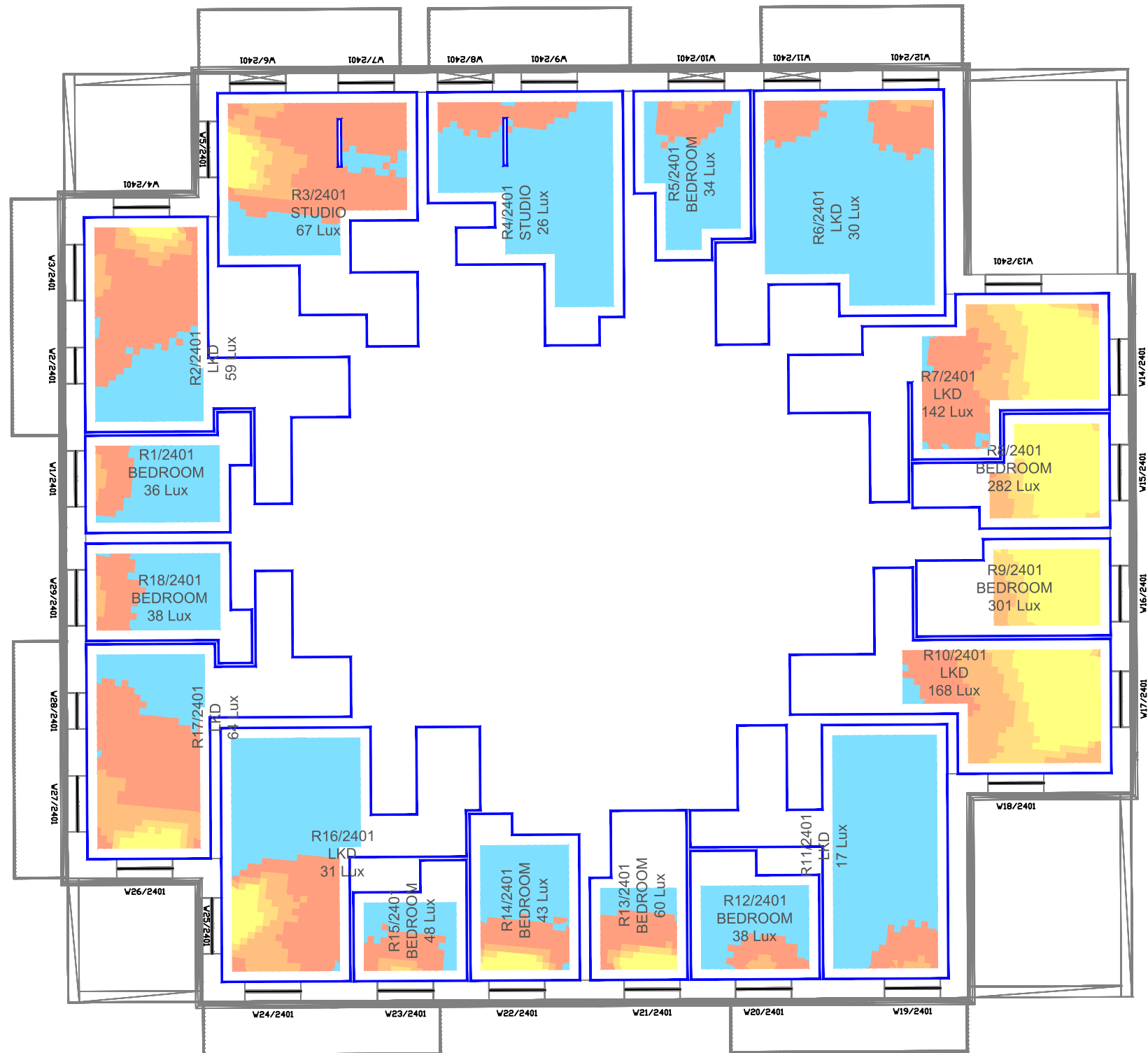
Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block C

Dwg No: P2713/CBDM/88

Rel: 31

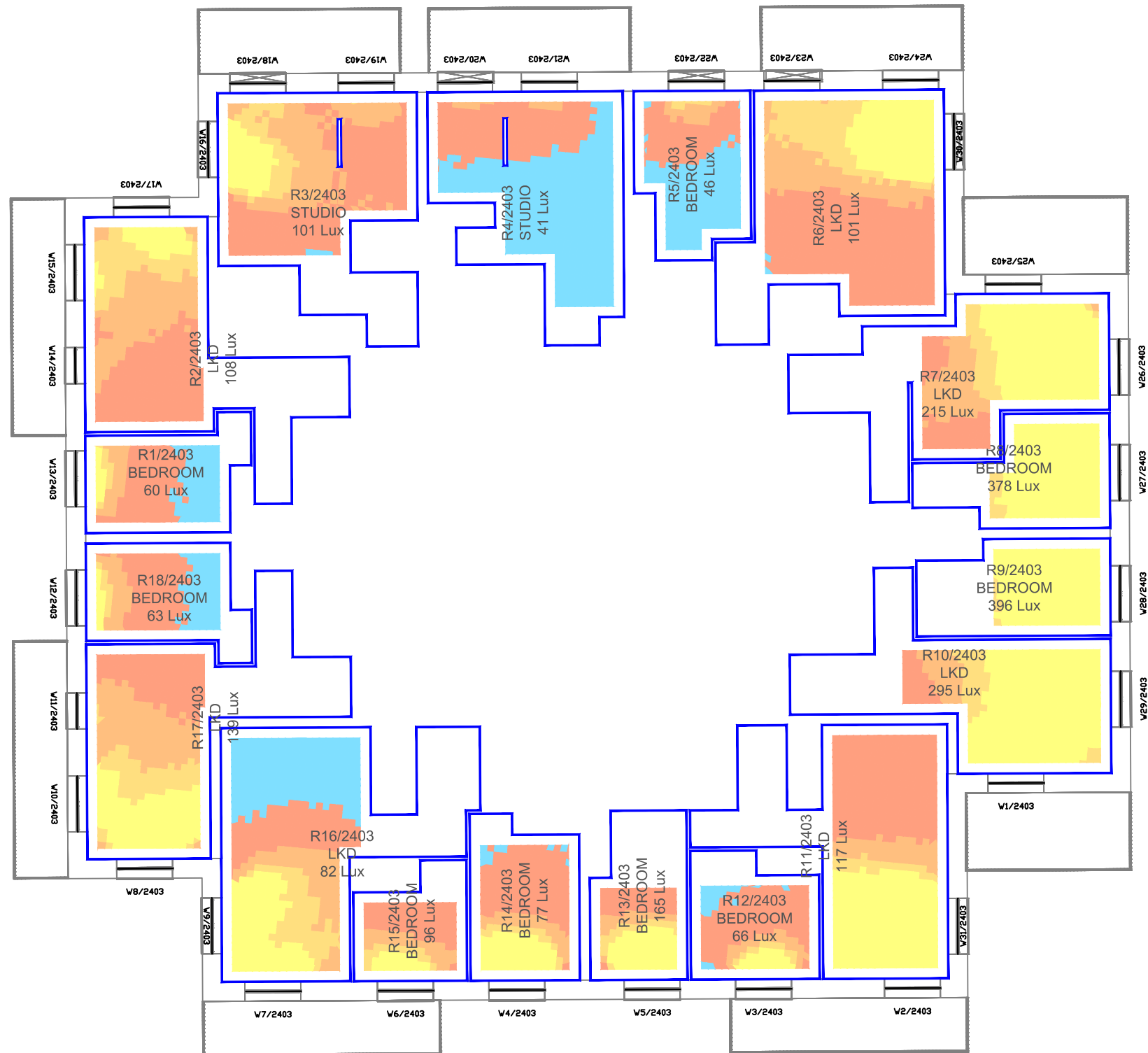




First Floor

Sources: Zmapping Ltd 3D surroundings Model (29/04/21 - 2019 Data) Survey Info (received 10/02/22) 10042-02.rvt dRMM Studio Proposed Info (received 24/04/24) ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt		Key: Daylight Illuminance (achieved for 50% of daylight hours) <div><div><50 Lux</div><div>>50 Lux</div><div>>100 Lux</div><div>>150 Lux</div><div>>200 Lux</div></div> <div>Median Illuminance (Lux) Levels shown for each room. Recommended Targets: Bedroom 100 Lux Living Room 150 Lux Kitchen 200 Lux</div>		Project: Aylesham Centre, Peckham		Title: Climate Based Daylight Modelling (CBDM) Assessment Median Illuminance (Lux) Levels Proposed Scheme 24/04/24 Block E	
Scheme Confirmed:		Date:	Drawn By: BW	Scale: 1:150 @ A3	Date: Jun 24	Dwg No: P2713/CBDM/89	Rel: 31





Third Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux	Median Illuminance (Lux) Levels shown for each room.
>50 Lux	
>100 Lux	Recommended Targets:
>150 Lux	Bedroom 100 Lux
>200 Lux	Living Room 150 Lux
	Kitchen 200 Lux

Project: Aylesham Centre, Peckham

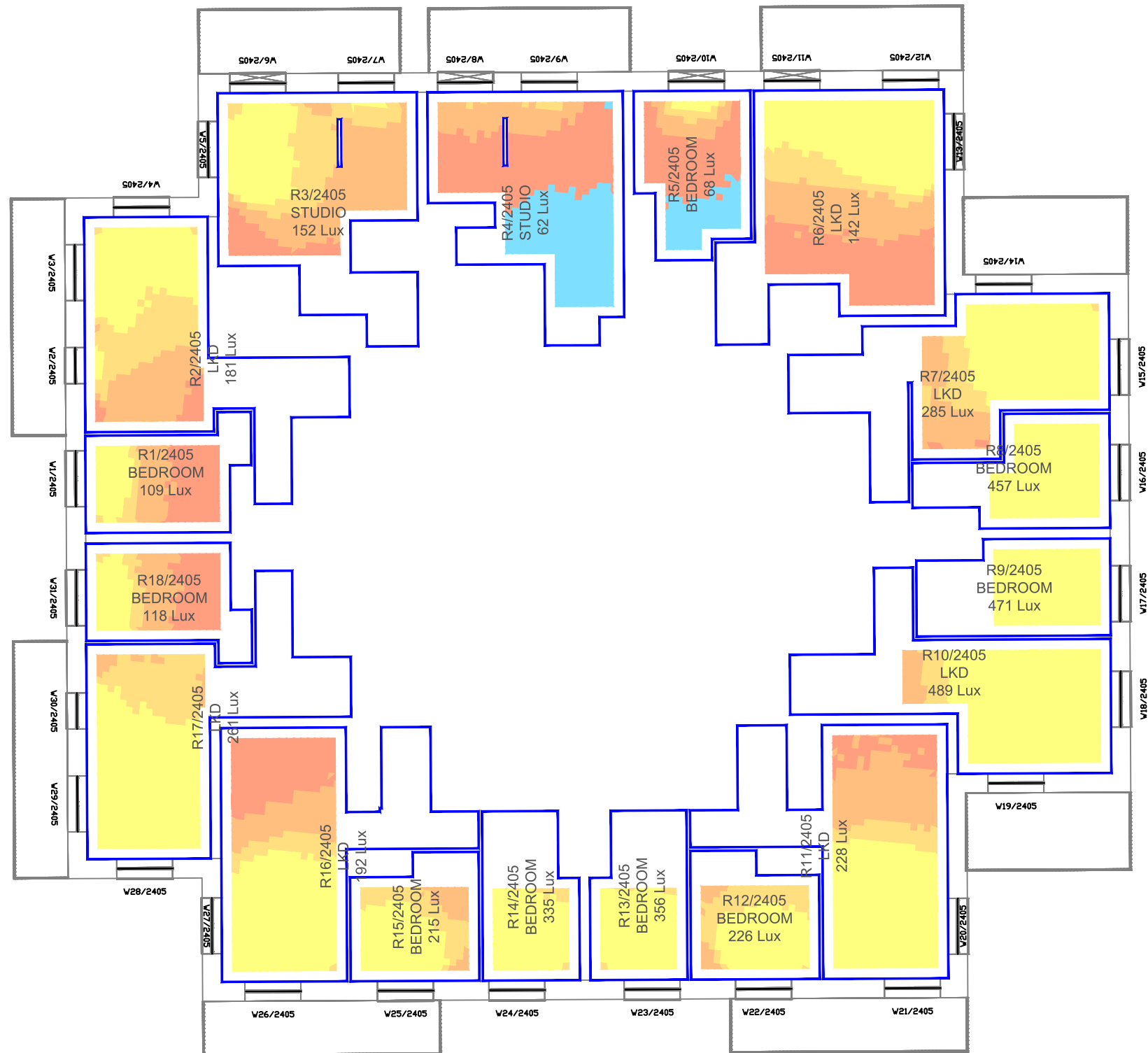
Scheme Confirmed:	Date:	Drawn By: BW	Scale: 1:150 @ A3	Date: Jun 24
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Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block E

Dwg No: P2713/CBDM/90	Rel: 31
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Fifth Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux	Median Illuminance (Lux) Levels shown for each room.
>50 Lux	
>100 Lux	Recommended Targets:
>150 Lux	Bedroom 100 Lux
>200 Lux	Living Room 150 Lux
	Kitchen 200 Lux

Project: Aylesham Centre,
Peckham

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

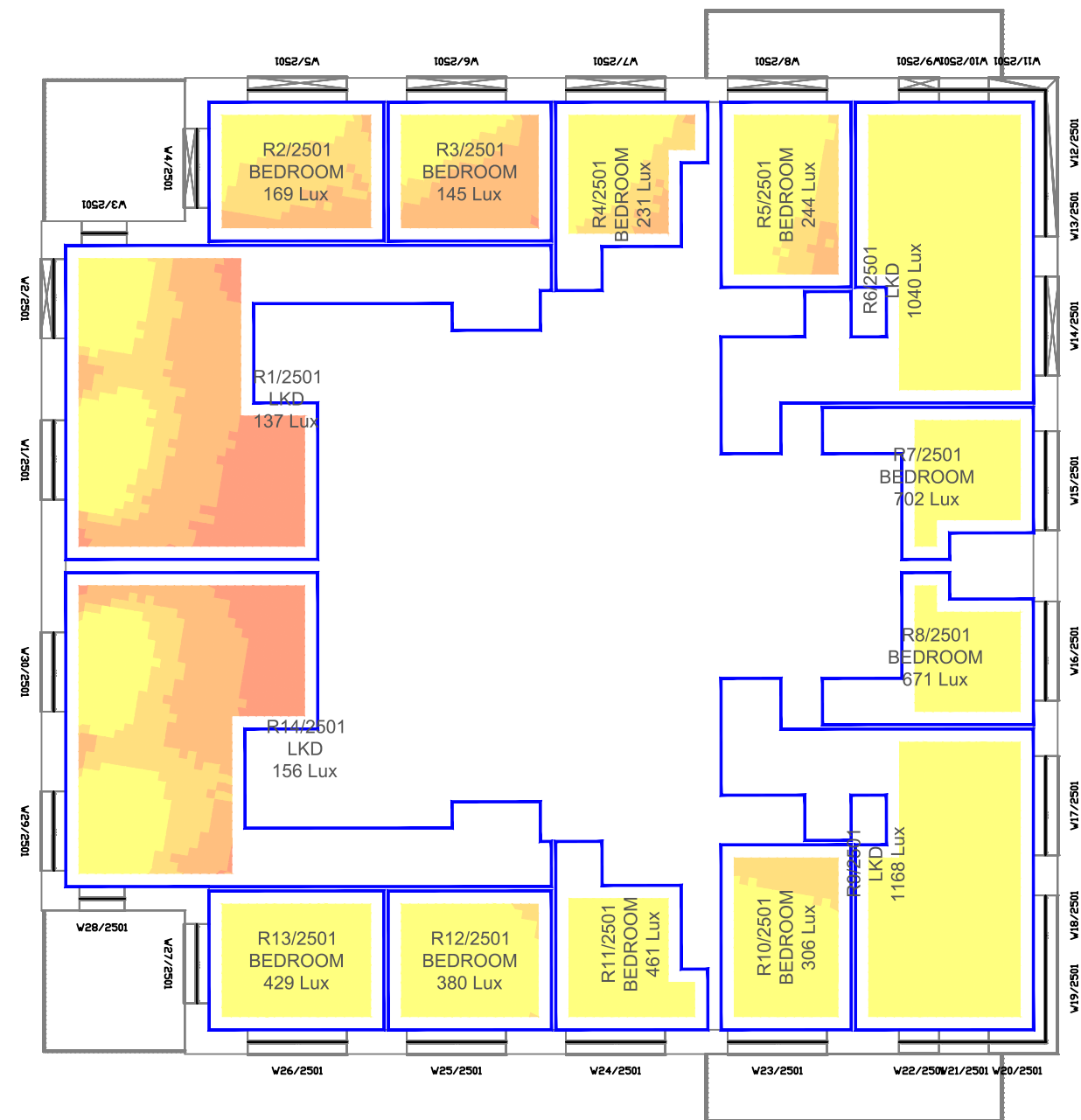
Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block E

Dwg No:
P2713/CBDM/91

Rel:
31

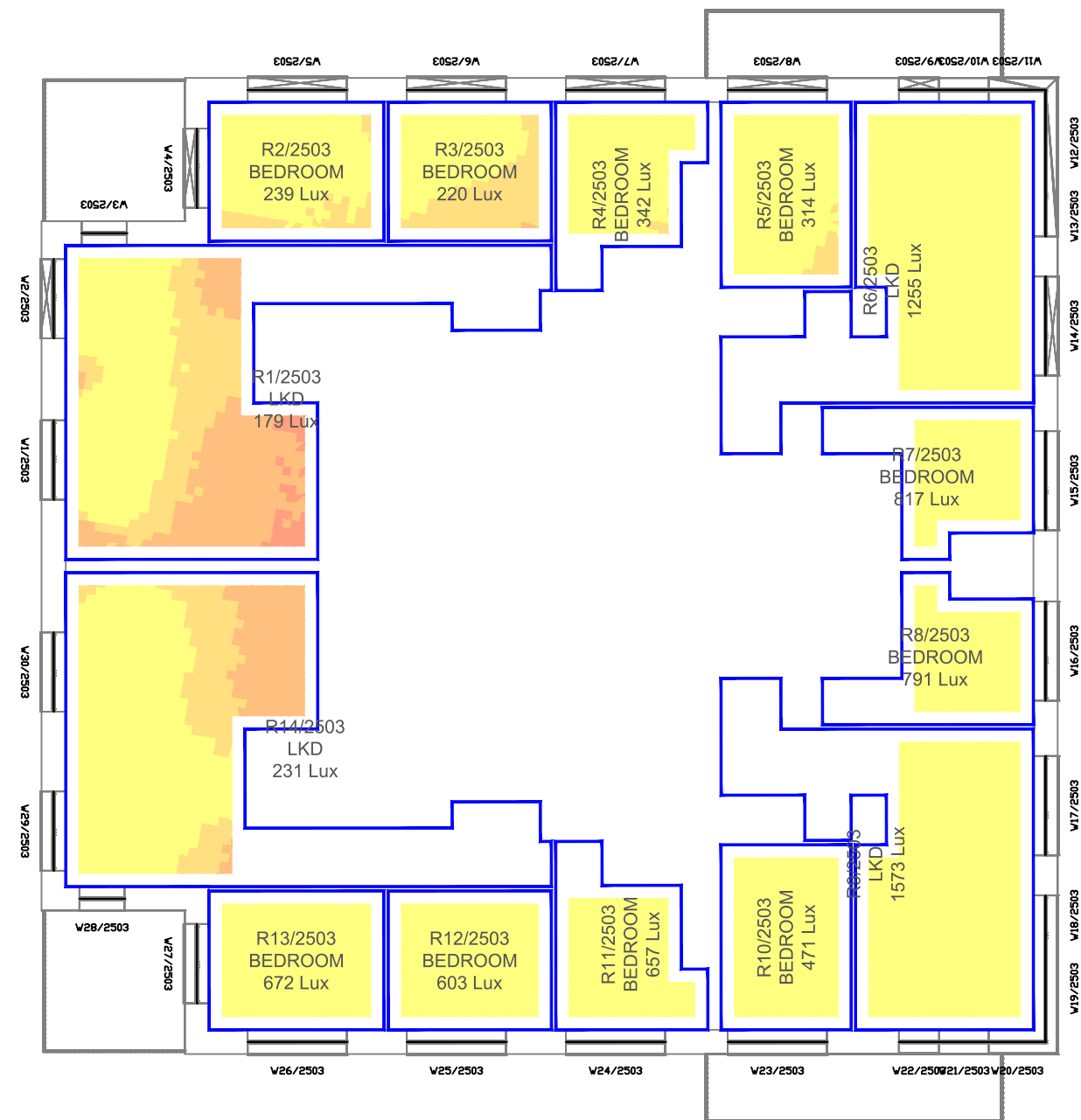




First Floor

Sources: Zmapping Ltd 3D surroundings Model (29/04/21 - 2019 Data) Survey Info (received 10/02/22) 10042-02.rvt dRMM Studio Proposed Info (received 24/04/24) ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt		Key: Daylight Illuminance (achieved for 50% of daylight hours) <div><div><50 Lux</div><div>>50 Lux</div><div>>100 Lux</div><div>>150 Lux</div><div>>200 Lux</div></div> <div>Median Illuminance (Lux) Levels shown for each room. Recommended Targets: Bedroom 100 Lux Living Room 150 Lux Kitchen 200 Lux</div>		Project: Aylesham Centre, Peckham		Title: Climate Based Daylight Modelling (CBDM) Assessment Median Illuminance (Lux) Levels Proposed Scheme 24/04/24 Block F	
Scheme Confirmed:		Date:	Drawn By: BW	Scale: 1:150 @ A3	Date: Jun 24	Dwg No: P2713/CBDM/92	Rel: 31





Third Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux

>50 Lux

>100 Lux

>150 Lux

>200 Lux

Median Illuminance (Lux) Levels
shown for each room.

Recommended Targets:
Bedroom 100 Lux
Living Room 150 Lux
Kitchen 200 Lux

Project: Aylesham Centre,
Peckham

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block F

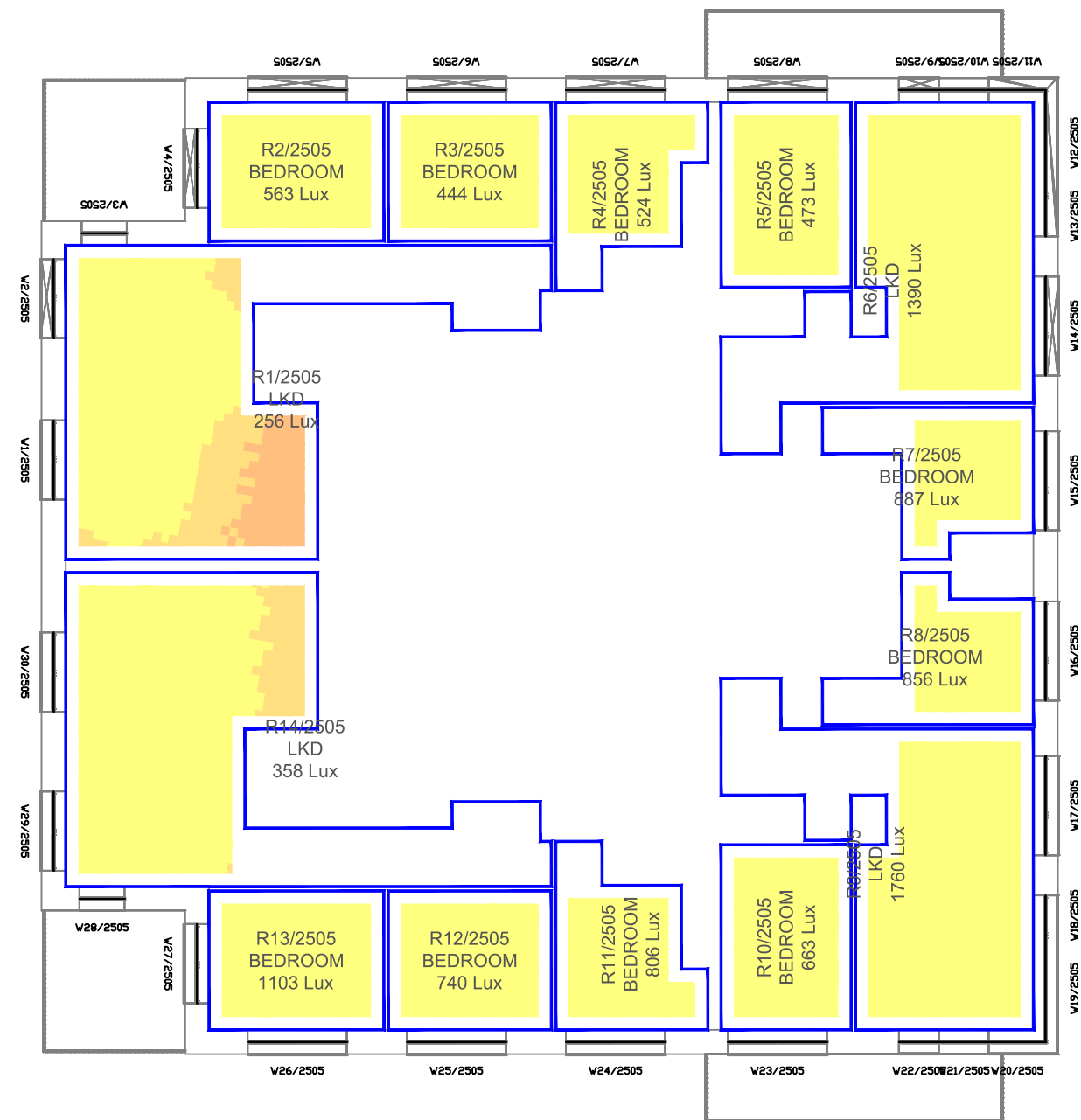
Scheme Confirmed:

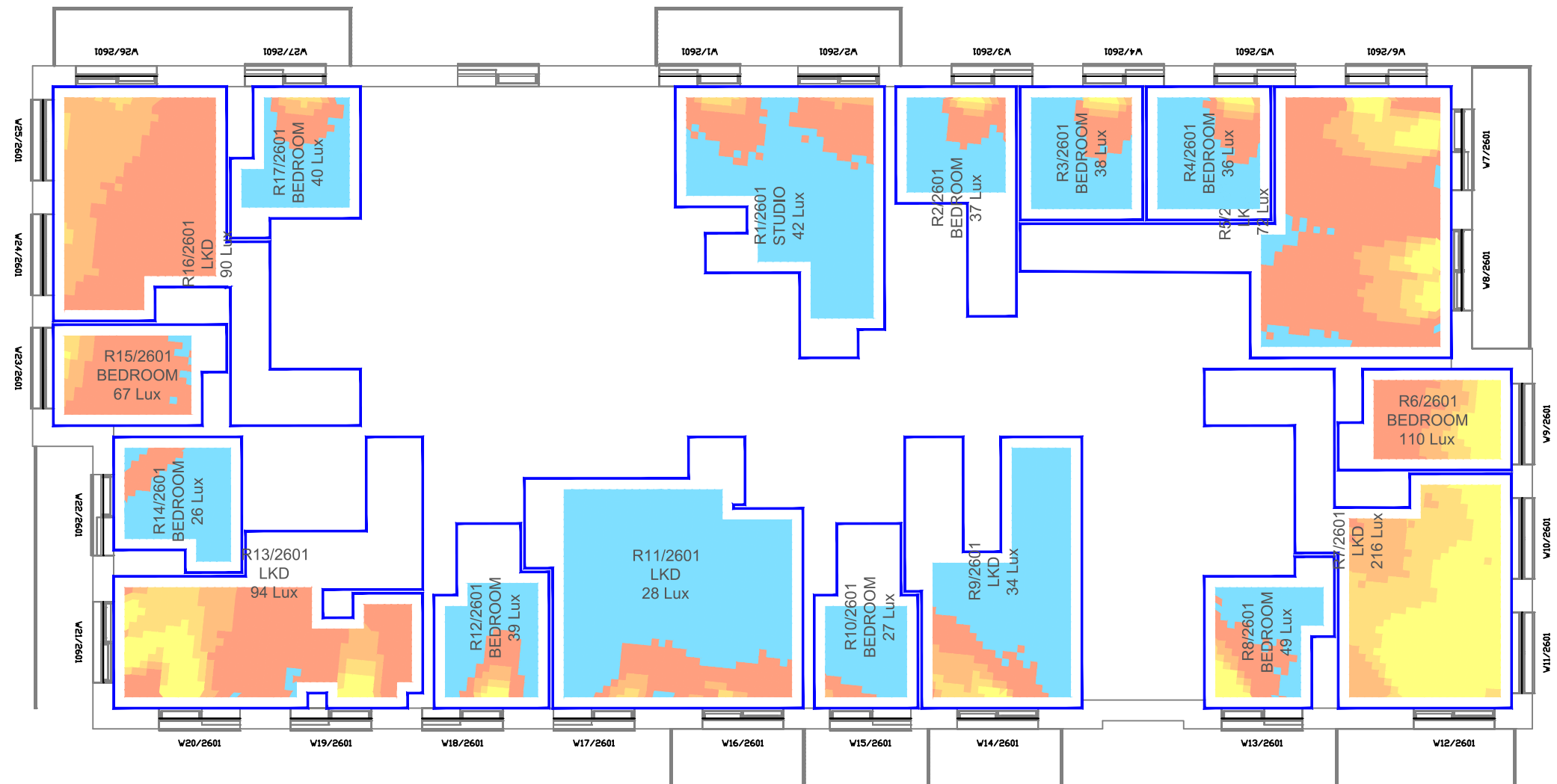
Date:

Dwg No:
P2713/CBDM/93

Rel:
31







Sources: Zmapping Ldt
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

	<50 Lux	Median Illuminance (Lux) Levels shown for each room.
	>50 Lux	
	>100 Lux	
	>150 Lux	
	>200 Lux	

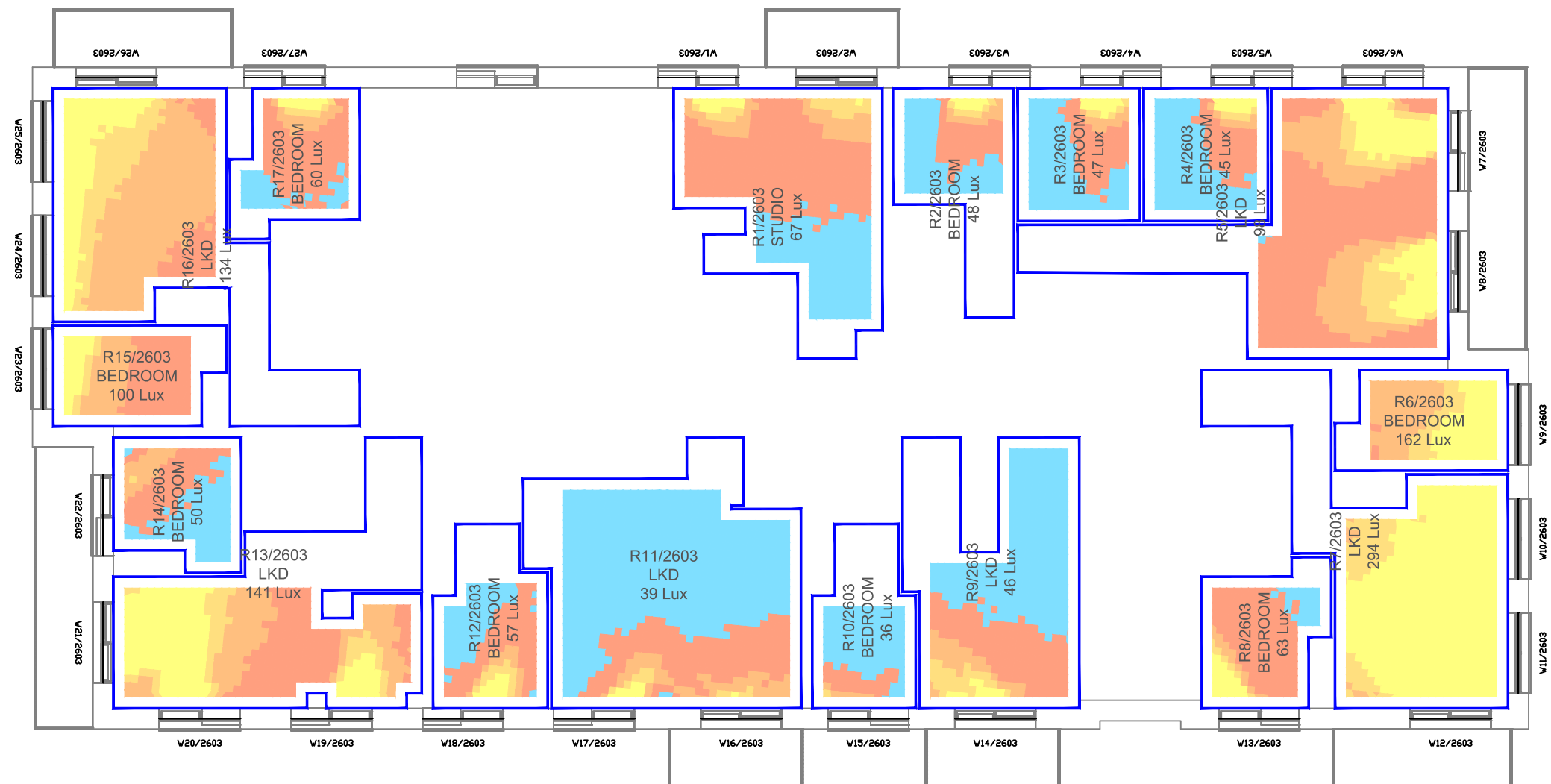
Recommended Targets:

Bedroom	100 Lux
Living Room	150 Lux
Kitchen	200 Lux

Date: Jun 24

Rel: 31





Third Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux

>50 Lux

>100 Lux

>150 Lux

>200 Lux

Median Illuminance (Lux) Levels
shown for each room.

Recommended Targets:

Bedroom	100 Lux
Living Room	150 Lux
Kitchen	200 Lux

Project: Aylesham Centre,
Peckham

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

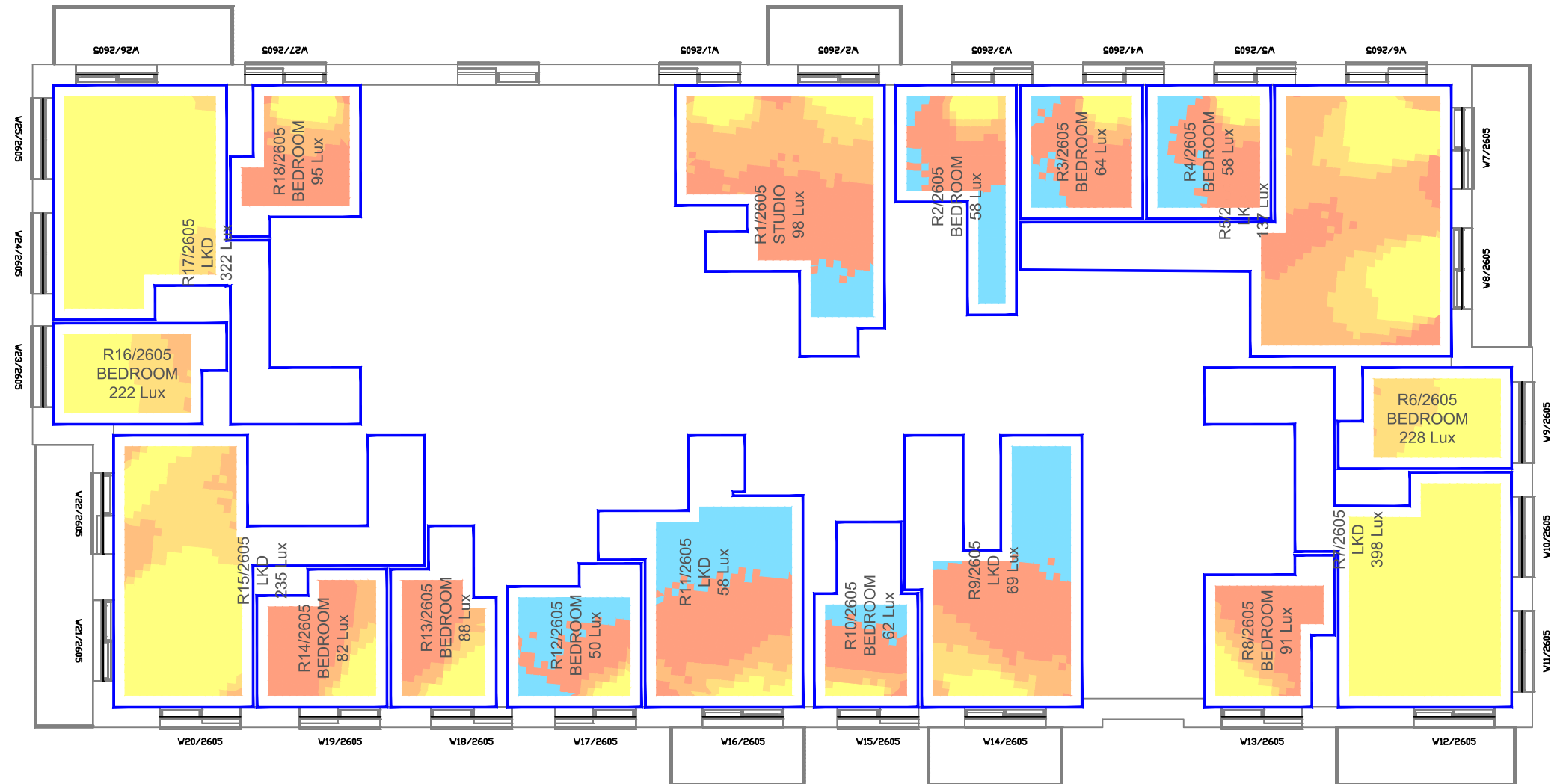
Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block G

Dwg No:
P2713/CBDM/96

Rel:
31





Sources: Zmapping Ldt
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

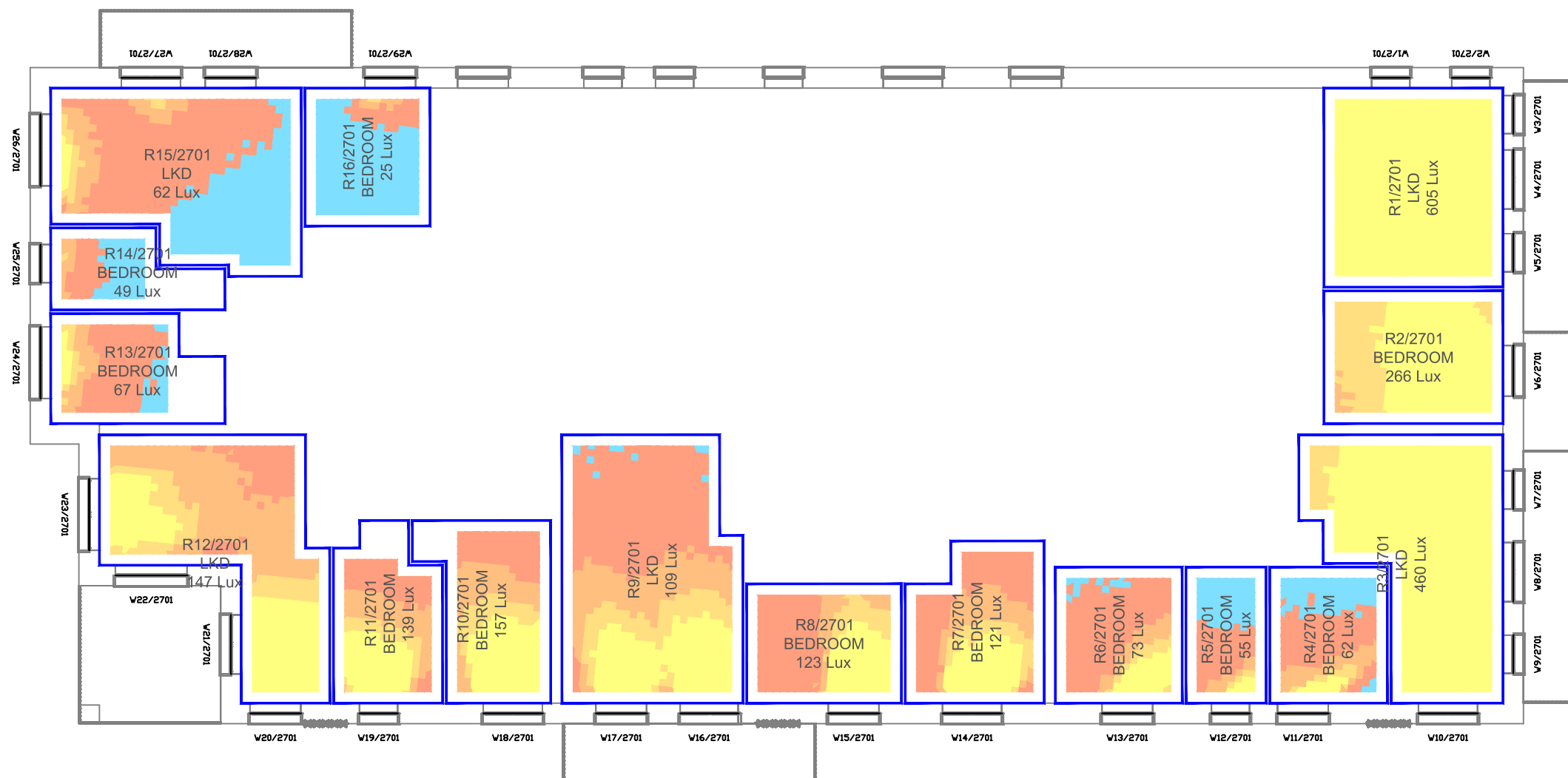
Key: Daylight Illuminance (achieved for 50% of daylight hours)	
	<50 Lux
	>50 Lux
	>100 Lux
	>150 Lux
	>200 Lux
Median Illuminance (Lux) Levels shown for each room.	
Recommended Targets:	
Bedroom	100 Lux
Living Room	150 Lux
Kitchen	200 Lux

Drawn By: BW

Date: Jun 24

Dwg No:
P2713/CBDM/97





First Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux

>50 Lux

>100 Lux

>150 Lux

>200 Lux

Median Illuminance (Lux) Levels
shown for each room.

Recommended Targets:

Bedroom	100 Lux
Living Room	150 Lux
Kitchen	200 Lux

Project: Aylesham Centre,
Peckham

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

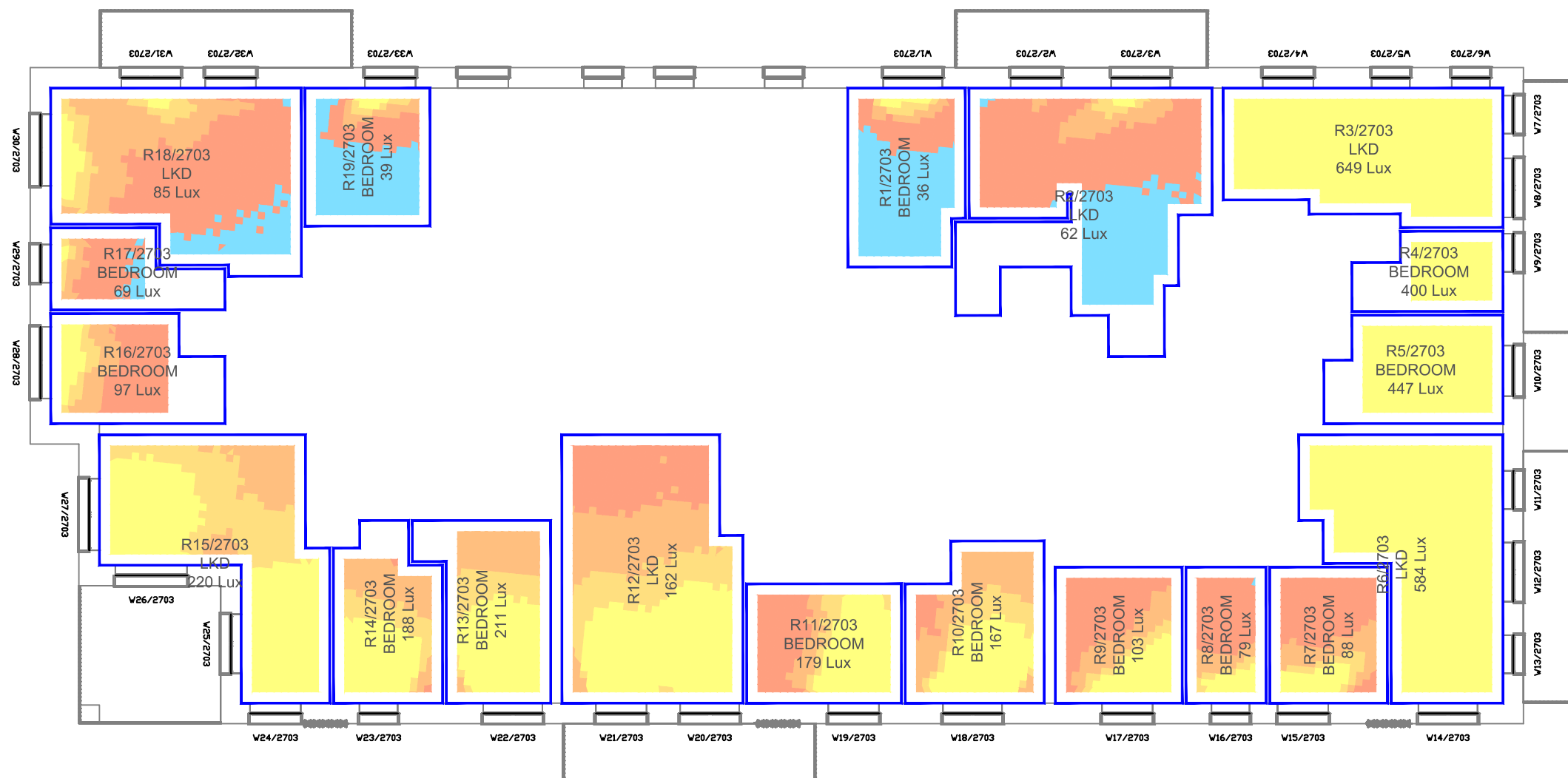
Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block H

Dwg No:
P2713/CBDM/98

Rel:
31





Third Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux	Median Illuminance (Lux) Levels shown for each room.
>50 Lux	
>100 Lux	Recommended Targets:
>150 Lux	Bedroom 100 Lux
>200 Lux	Living Room 150 Lux
	Kitchen 200 Lux

Project: Aylesham Centre,
Peckham

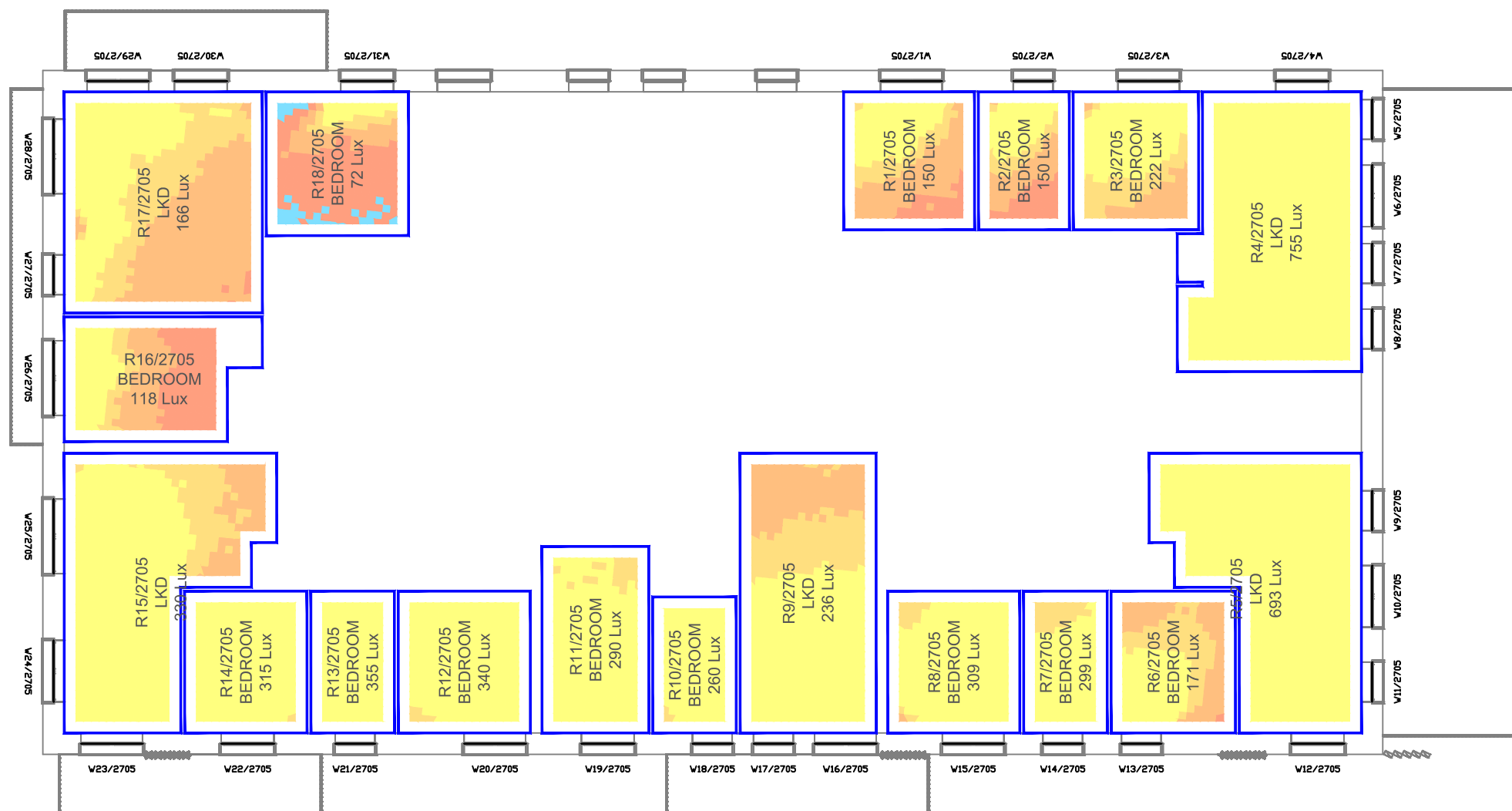
Drawn By:	Scale:	Date:
BW	1:150 @ A3	Jun 24

Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block H

Dwg No:	Rel:
P2713/CBDM/99	31





Fifth Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux

>50 Lux

>100 Lux

>150 Lux

>200 Lux

Median Illuminance (Lux) Levels shown for each room.

Recommended Targets:
Bedroom 100 Lux
Living Room 150 Lux
Kitchen 200 Lux

Project: Aylesham Centre,
Peckham

Scheme Confirmed:

Date:

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

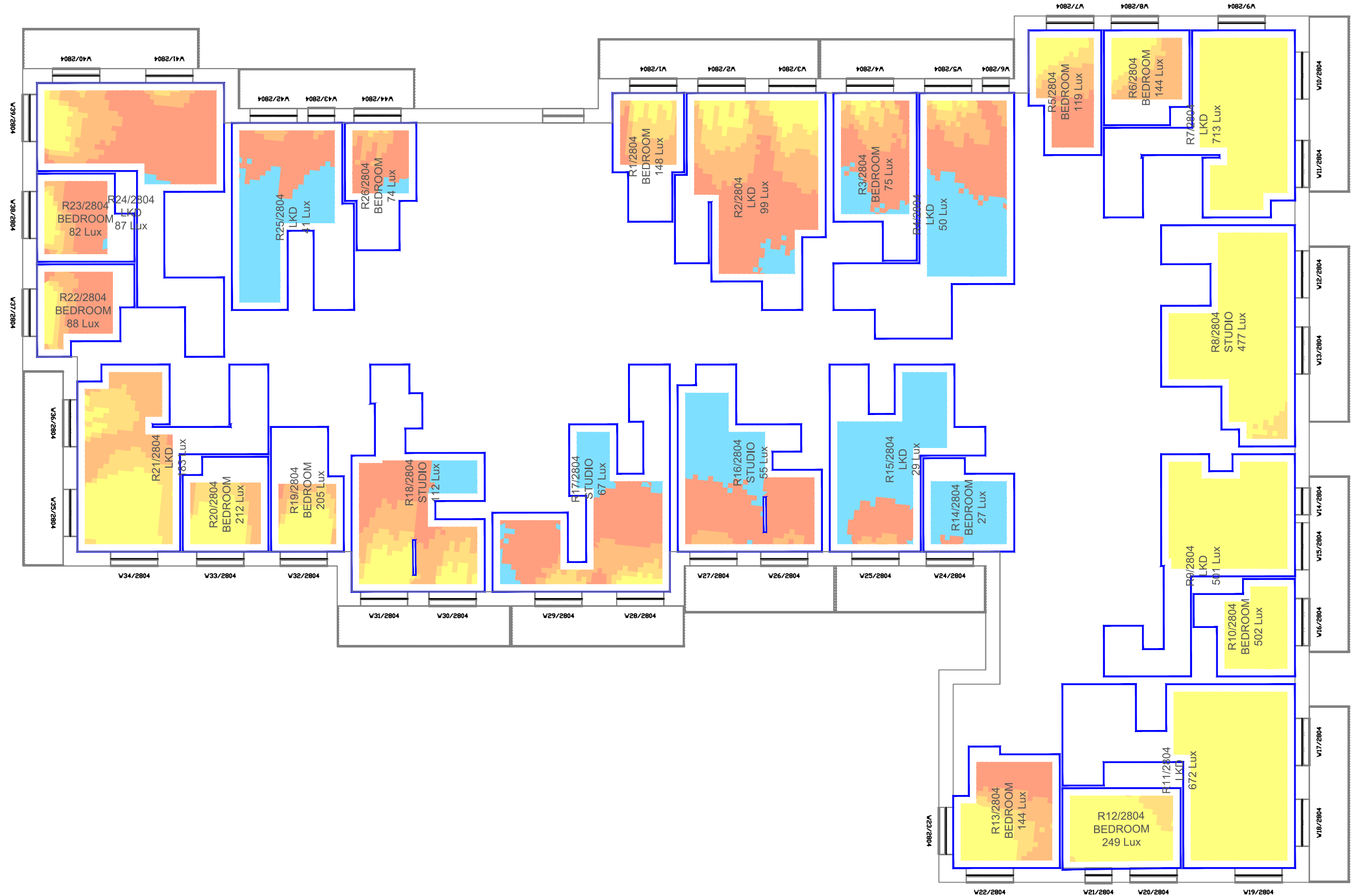
Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block H

Dwg No:
P2713/CBDM/100

Rel:
31





Second Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

	<50 Lux	Median Illuminance (Lux) Levels shown for each room.
	>50 Lux	
	>100 Lux	
	>200 Lux	

Recommended Targets:

Bedroom	100 Lux
Living Room	150 Lux
Kitchen	200 Lux

Project: Aylesham Centre,
Peckham

Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block J

Scheme Confirmed:

Date:

Drawn By:
BW

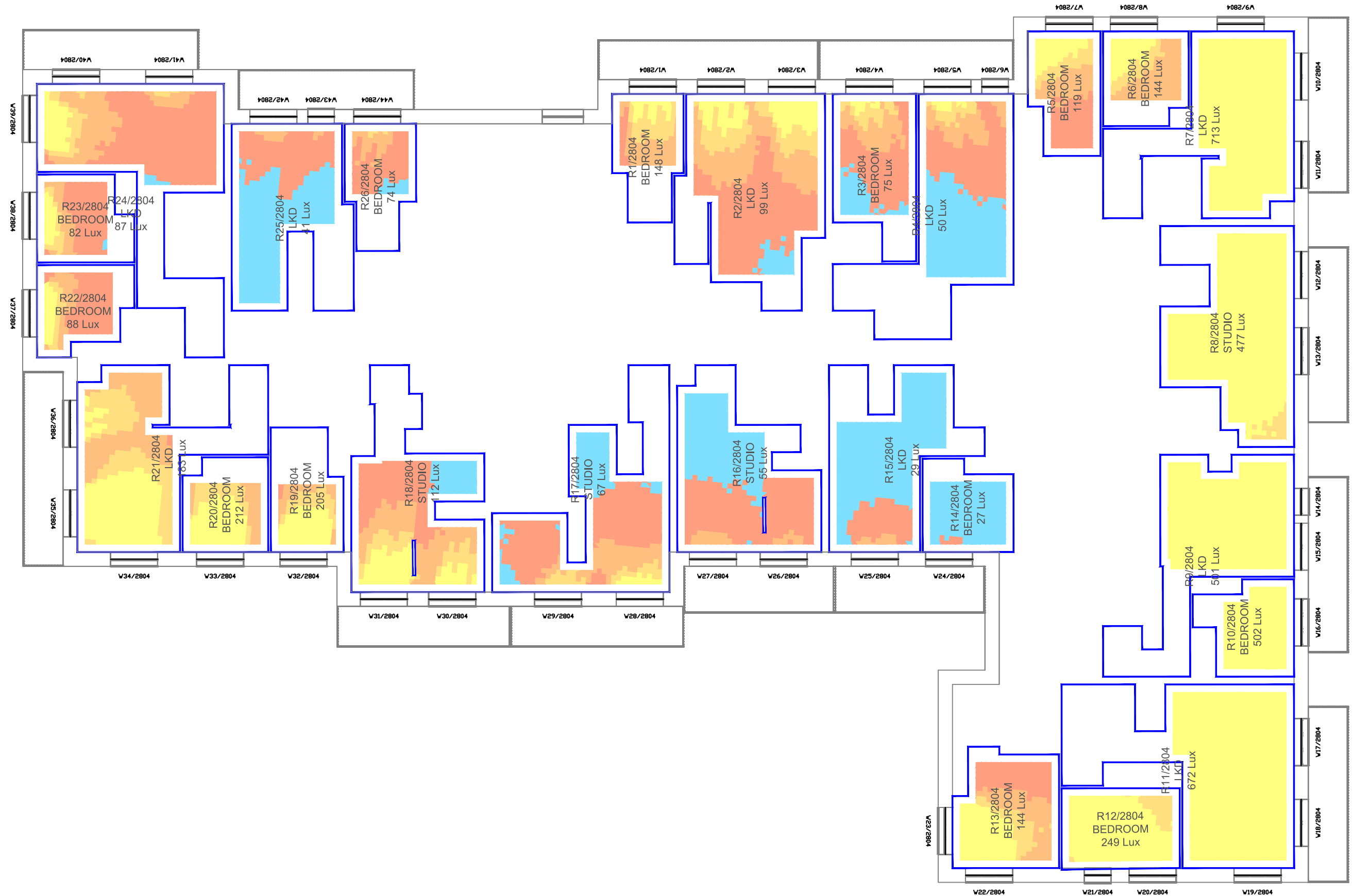
Scale:
1:150 @ A3

Date:
Jun 24

Dwg No:
P2713/CBDM/102

Rel:
31





Fourth Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

	<50 Lux	Median Illuminance (Lux) Levels shown for each room.
	>50 Lux	
	>100 Lux	
	>150 Lux	
	>200 Lux	

Recommended Targets:
Bedroom 100 Lux
Living Room 150 Lux
Kitchen 200 Lux

Project: Aylesham Centre,
Peckham

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block J

Dwg No:
P2713/CBDM/103

Rel:
31

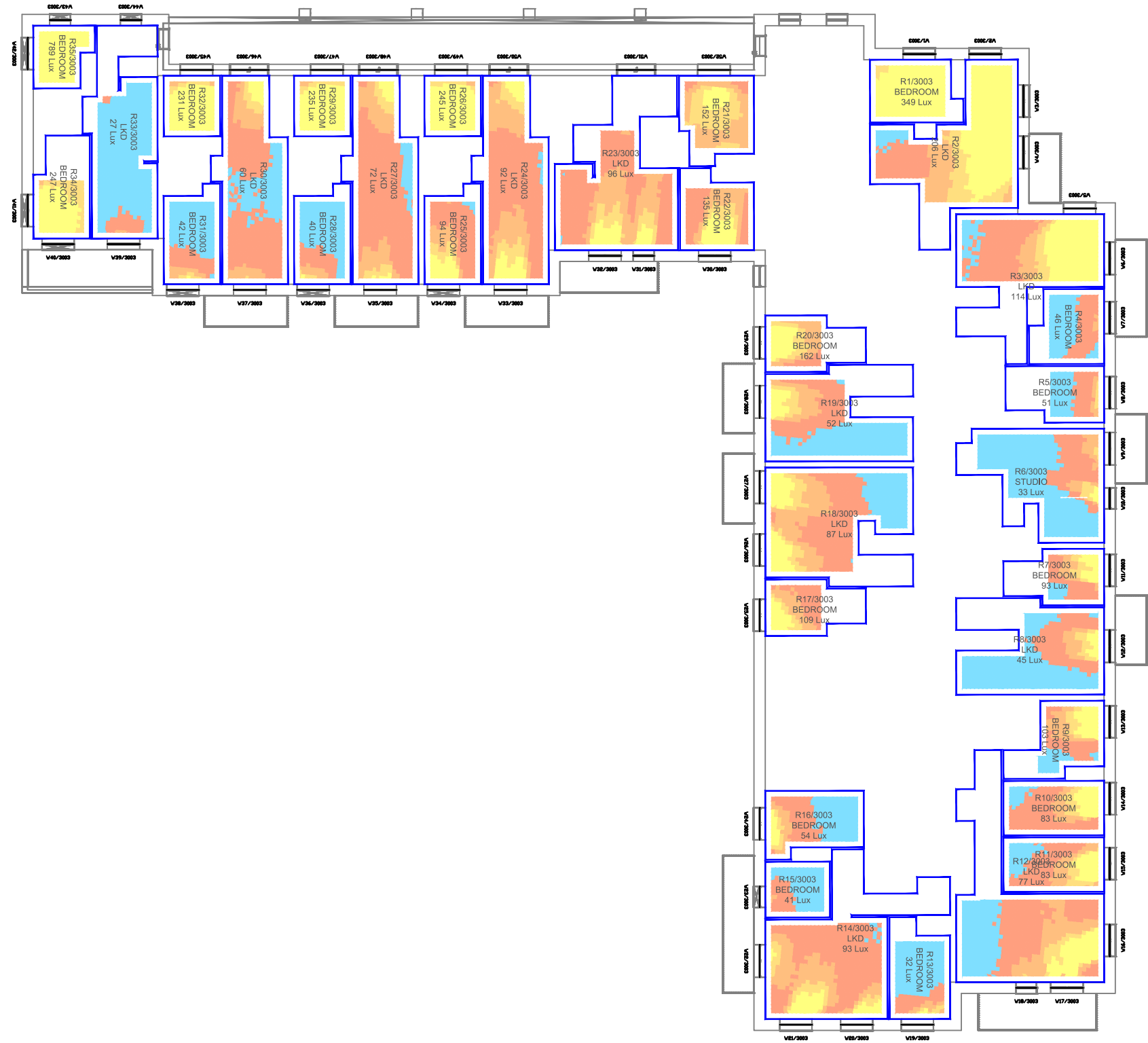




First Floor

Sources: Zmapping Ltd 3D surroundings Model (29/04/21 - 2019 Data) Survey Info (received 10/02/22) 10042-02.rvt dRMM Studio Proposed Info (received 24/04/24) ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt		Key: Daylight Illuminance (achieved for 50% of daylight hours) <div><div><50 Lux</div><div>>50 Lux</div><div>>100 Lux</div><div>>150 Lux</div><div>>200 Lux</div></div> <div>Median Illuminance (Lux) Levels shown for each room. Recommended Targets: Bedroom 100 Lux Living Room 150 Lux Kitchen 200 Lux</div>		Project: Aylesham Centre, Peckham		Title: Climate Based Daylight Modelling (CBDM) Assessment Median Illuminance (Lux) Levels Proposed Scheme 24/04/24 Block K	
Scheme Confirmed:		Date:	Drawn By: BW	Scale: 1:250 @ A3	Date: Jun 24	Dwg No: P2713/CBDM/104	Rel: 31

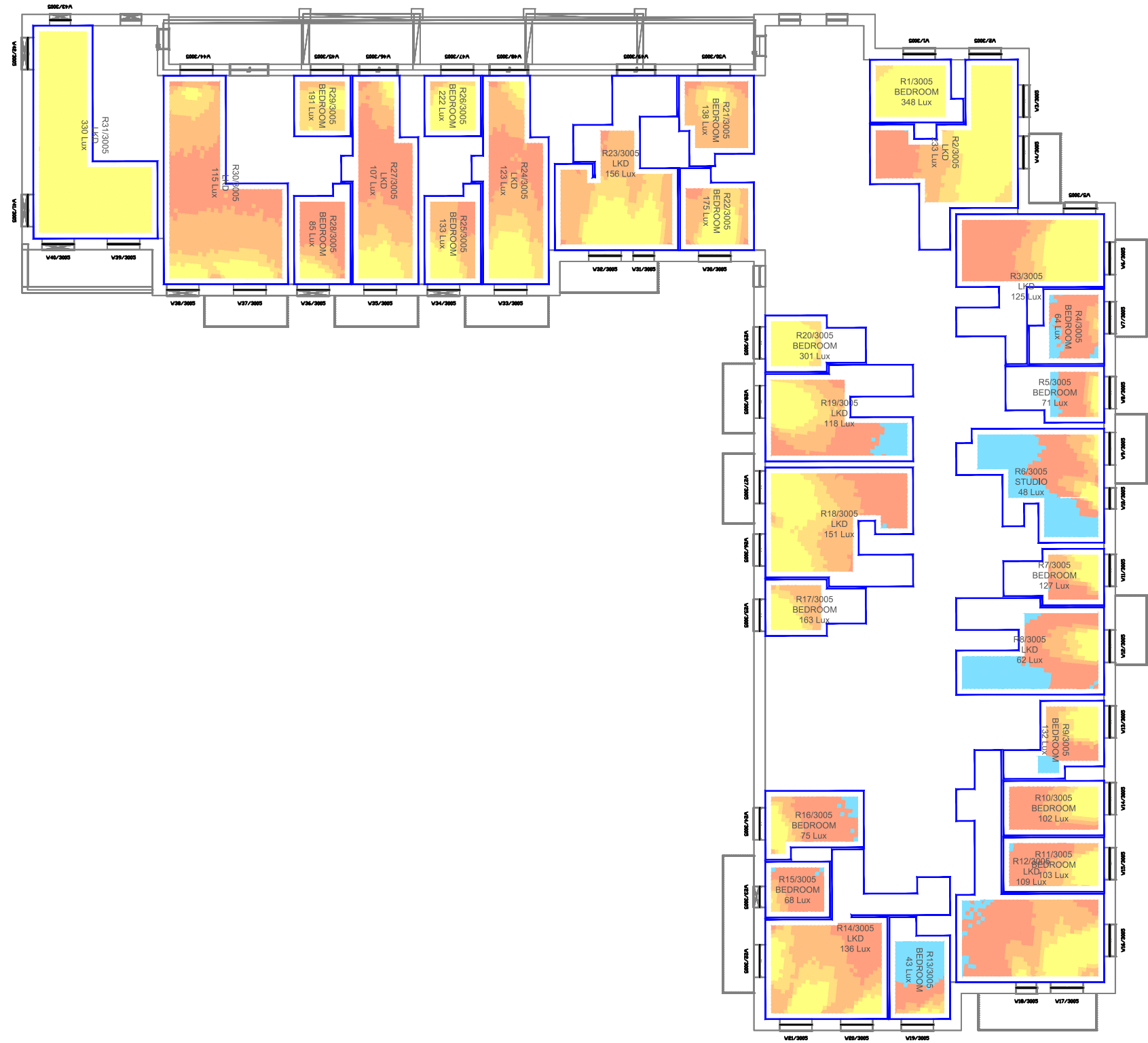




Third Floor

<div>Sources: Zmapping Ltd 3D surroundings Model (29/04/21 - 2019 Data)</div> <div>Survey Info (received 10/02/22) 10042-02.rvt</div> <div>dRMM Studio Proposed Info (received 24/04/24) ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt</div>	<div>Key: Daylight Illuminance (achieved for 50% of daylight hours)</div> <div><div><div><50 Lux</div><div>>50 Lux</div><div>>100 Lux</div><div>>150 Lux</div><div>>200 Lux</div></div><div>Median Illuminance (Lux) Levels shown for each room. Recommended Targets: Bedroom 100 Lux Living Room 150 Lux Kitchen 200 Lux</div></div>		<div>Project: Aylesham Centre, Peckham</div>			<div>Title: Climate Based Daylight Modelling (CBDM) Assessment Median Illuminance (Lux) Levels</div> <div>Proposed Scheme 24/04/24 Block K</div>		
	Scheme Confirmed:		Date:	Drawn By: BW	Scale: 1:250 @ A3	Date: Jun 24	Dwg No: P2713/CBDM/105	Rel: 31

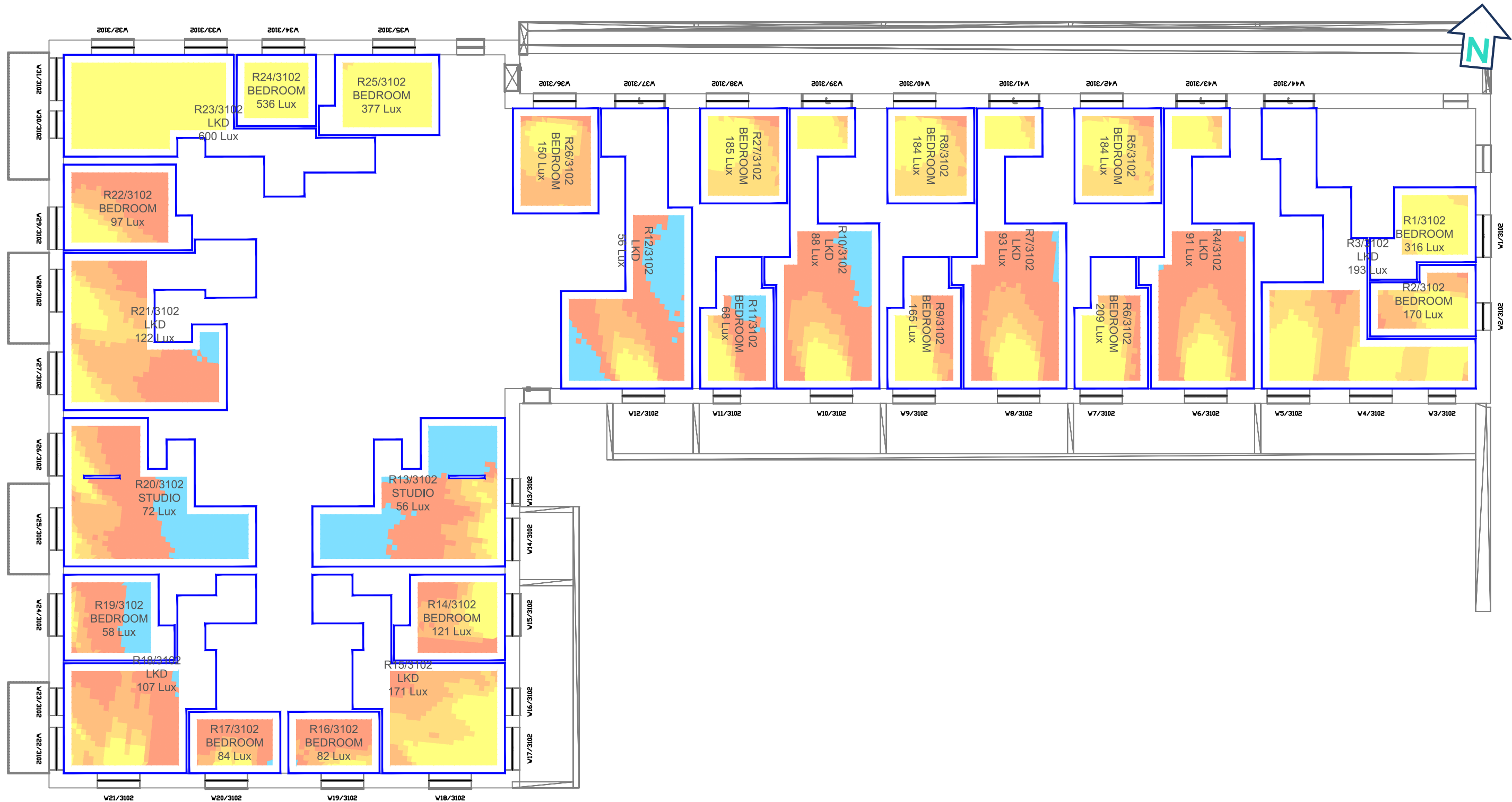




Fifth Floor

<div>Sources: Zmapping Ltd 3D surroundings Model (29/04/21 - 2019 Data)</div> <div>Survey Info (received 10/02/22) 10042-02.rvt</div> <div>dRMM Studio Proposed Info (received 24/04/24) ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt</div>	<div>Key: Daylight Illuminance (achieved for 50% of daylight hours)</div> <div><div><div><50 Lux</div><div>>50 Lux</div><div>>100 Lux</div><div>>150 Lux</div><div>>200 Lux</div></div><div>Median Illuminance (Lux) Levels shown for each room. Recommended Targets: Bedroom 100 Lux Living Room 150 Lux Kitchen 200 Lux</div></div>		<div>Project: Aylesham Centre, Peckham</div>		<div>Title: Climate Based Daylight Modelling (CBDM) Assessment Median Illuminance (Lux) Levels</div> <div>Proposed Scheme 24/04/24 Block K</div>			
	Scheme Confirmed:		Date:		Drawn By: BW	Scale: 1:250 @ A3	Date: Jun 24	Dwg No: P2713/CBDM/106





Second Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux
>50 Lux
>100 Lux
>150 Lux
>200 Lux

Median Illuminance (Lux) Levels
shown for each room.

Recommended Targets:
Bedroom 100 Lux
Living Room 150 Lux
Kitchen 200 Lux

Project: Aylesham Centre,
Peckham

Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block L

Scheme Confirmed:

Date:

Drawn By:
BW

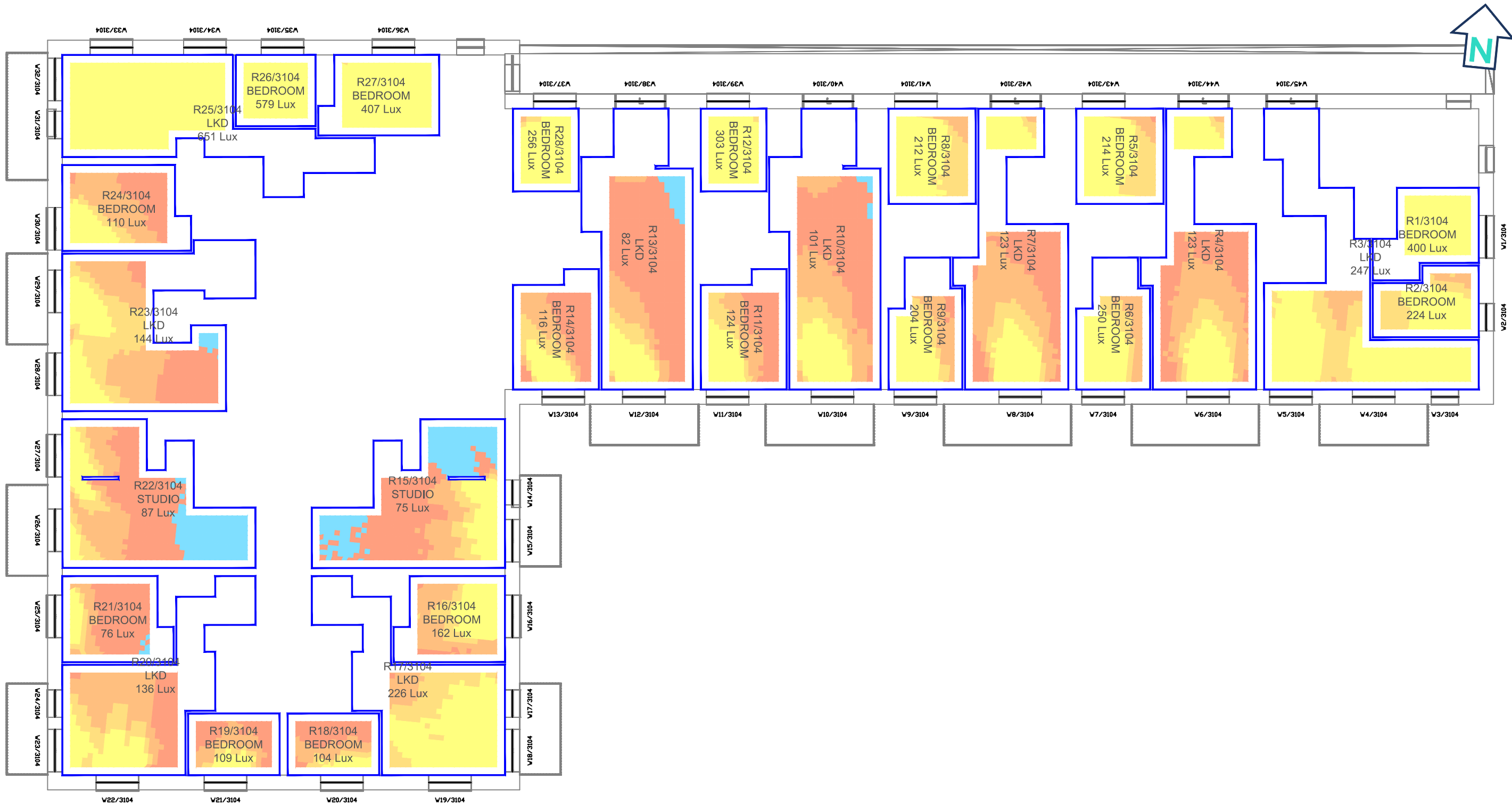
Scale:
1:150 @ A3

Date:
Jun 24

Dwg No:
P2713/CBDM/107

Rel:
31





Fourth Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux

>50 Lux

>100 Lux

>150 Lux

>200 Lux

Median Illuminance (Lux) Levels
shown for each room.

Recommended Targets:
Bedroom 100 Lux
Living Room 150 Lux
Kitchen 200 Lux

Project: Aylesham Centre,
Peckham

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

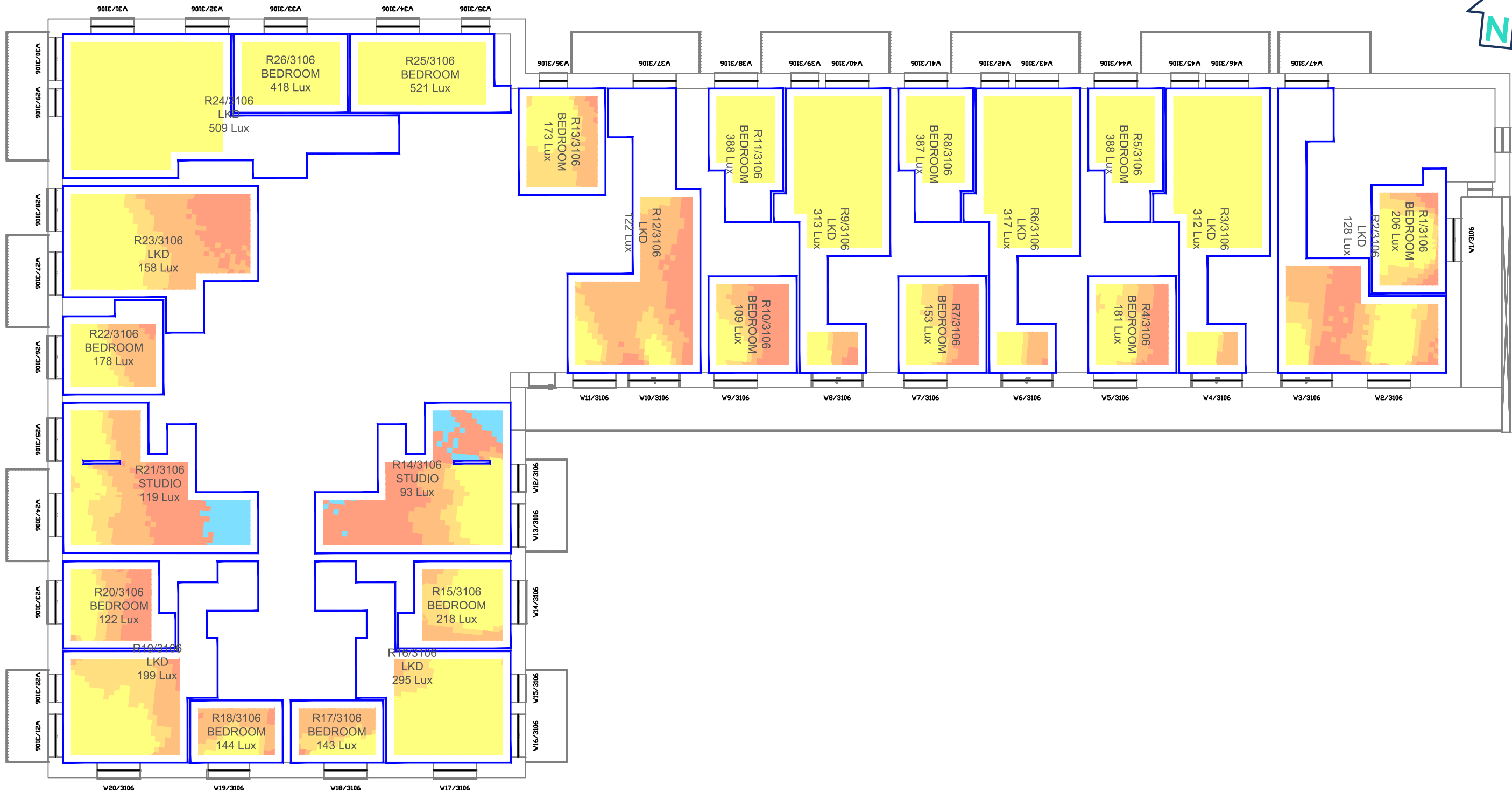
Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block L

Dwg No:
P2713/CBDM/108

Rel:
31





Sixth Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux

>50 Lux

>100 Lux

>150 Lux

>200 Lux

Median Illuminance (Lux) Levels
shown for each room.

Recommended Targets:
Bedroom 100 Lux
Living Room 150 Lux
Kitchen 200 Lux

Project: Aylesham Centre,
Peckham

Scheme Confirmed:

Date:

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

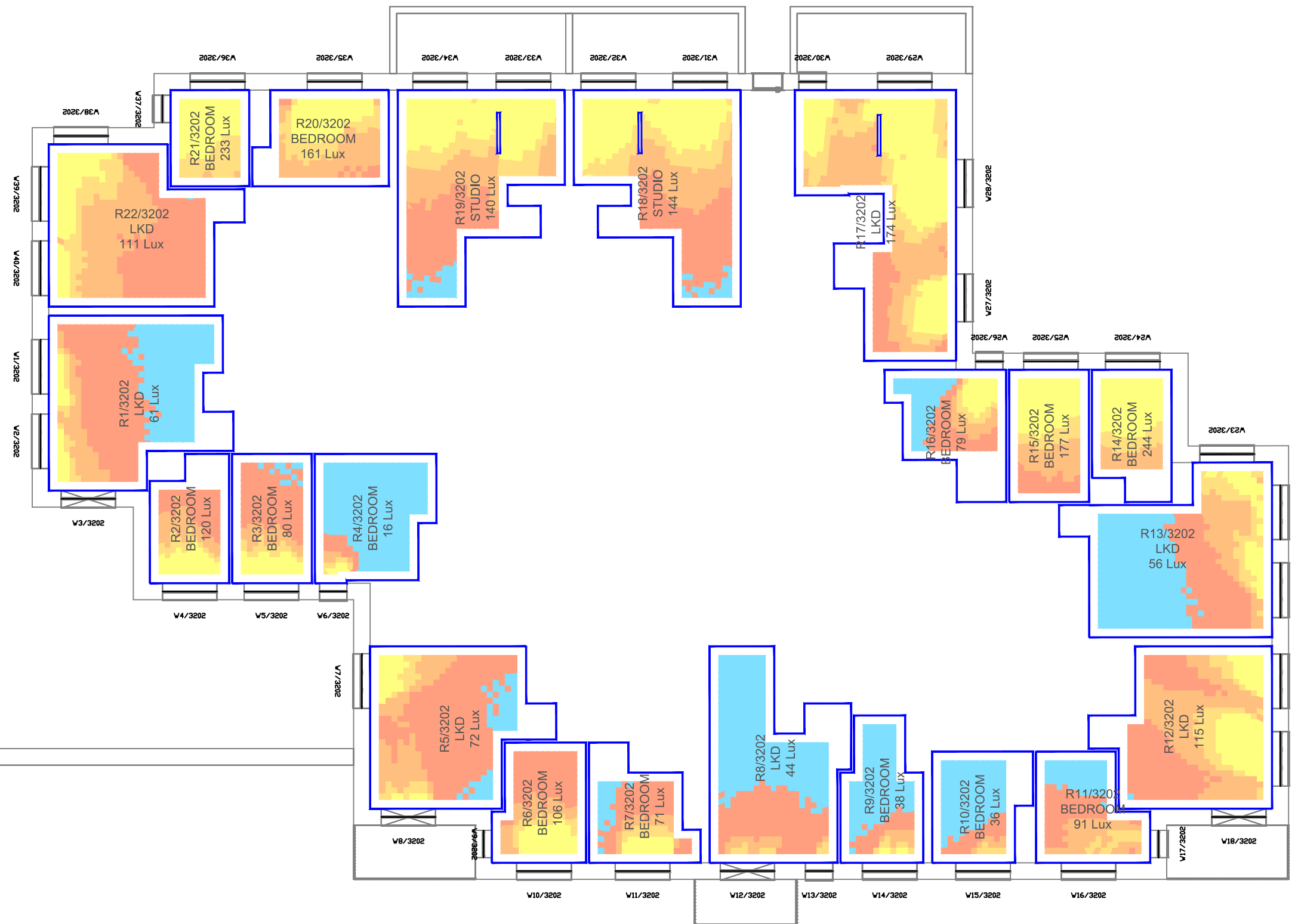
Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block L

Dwg No:
P2713/CBDM/109

Rel:
31





Second Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux	Median Illuminance (Lux) Levels shown for each room.
>50 Lux	
>100 Lux	Recommended Targets:
>150 Lux	Bedroom 100 Lux
>200 Lux	Living Room 150 Lux
	Kitchen 200 Lux

Project: Aylesham Centre, Peckham

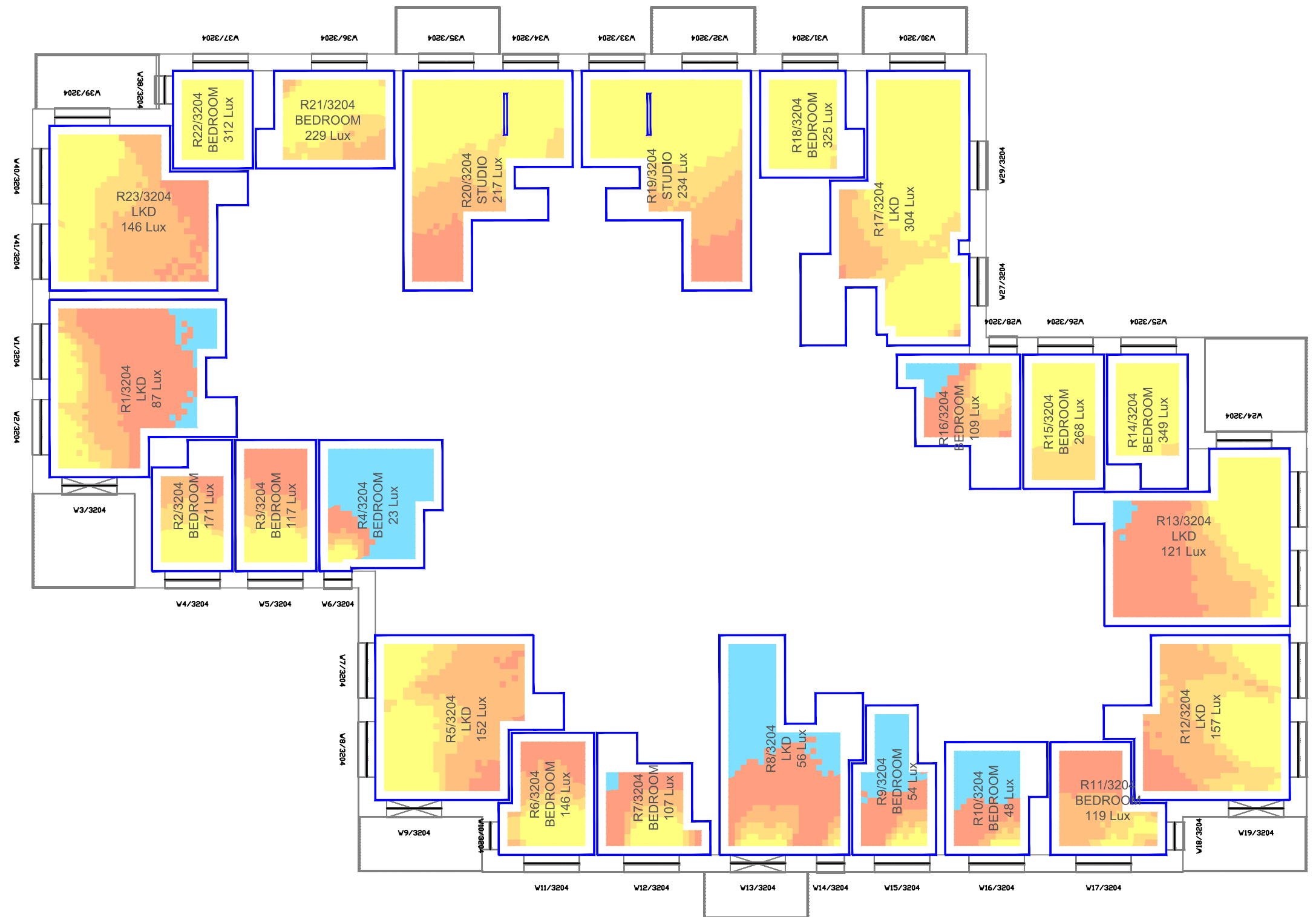
Scheme Confirmed:	Date:	Drawn By: BW	Scale: 1:150 @ A3	Date: Jun 24
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Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block M

Dwg No: P2713/CBDM/110	Rel: 31
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Fourth Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux

>50 Lux

>100 Lux

>150 Lux

>200 Lux

Median Illuminance (Lux) Levels
shown for each room.

Recommended Targets:

Bedroom	100 Lux
Living Room	150 Lux
Kitchen	200 Lux

Project: Aylesham Centre,
Peckham

Scheme Confirmed:

Date:

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

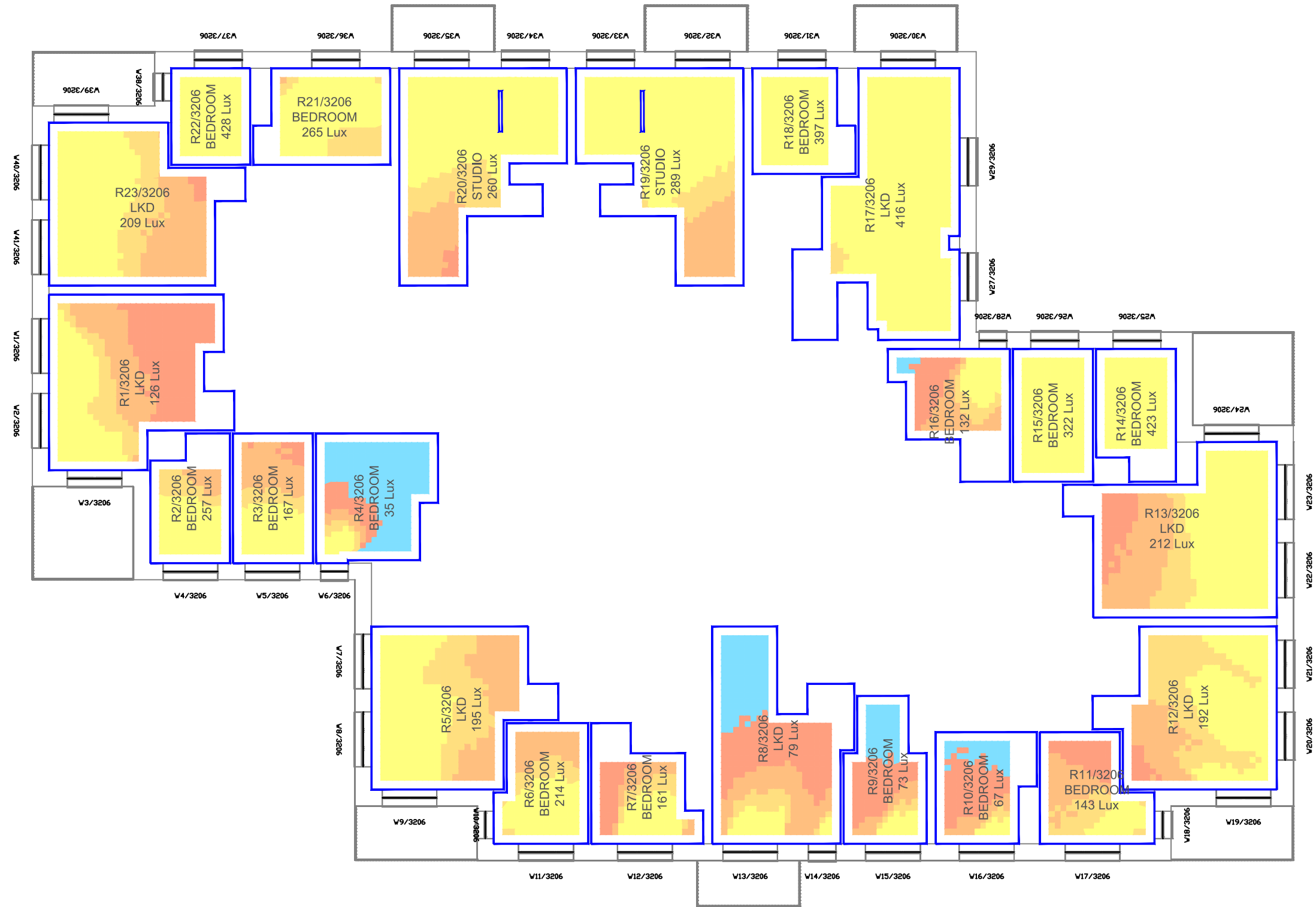
Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block M

Dwg No:
P2713/CBDM/111

Rel:
31





Sixth Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance (achieved for 50% of daylight hours)

Color	Median Illuminance (Lux) Levels shown for each room
Blue	<50 Lux
Orange	>50 Lux
Yellow	>100 Lux
Green	>150 Lux
Red	>200 Lux

Recommended Targets:

Room Type	Recommended Target (Lux)
Bedroom	100 Lux
Living Room	150 Lux
Kitchen	200 Lux

Project: Aylesham Centre, Peckham

Drawn By: BW

Scale: 1:150 @ A3

Date: Jun 24

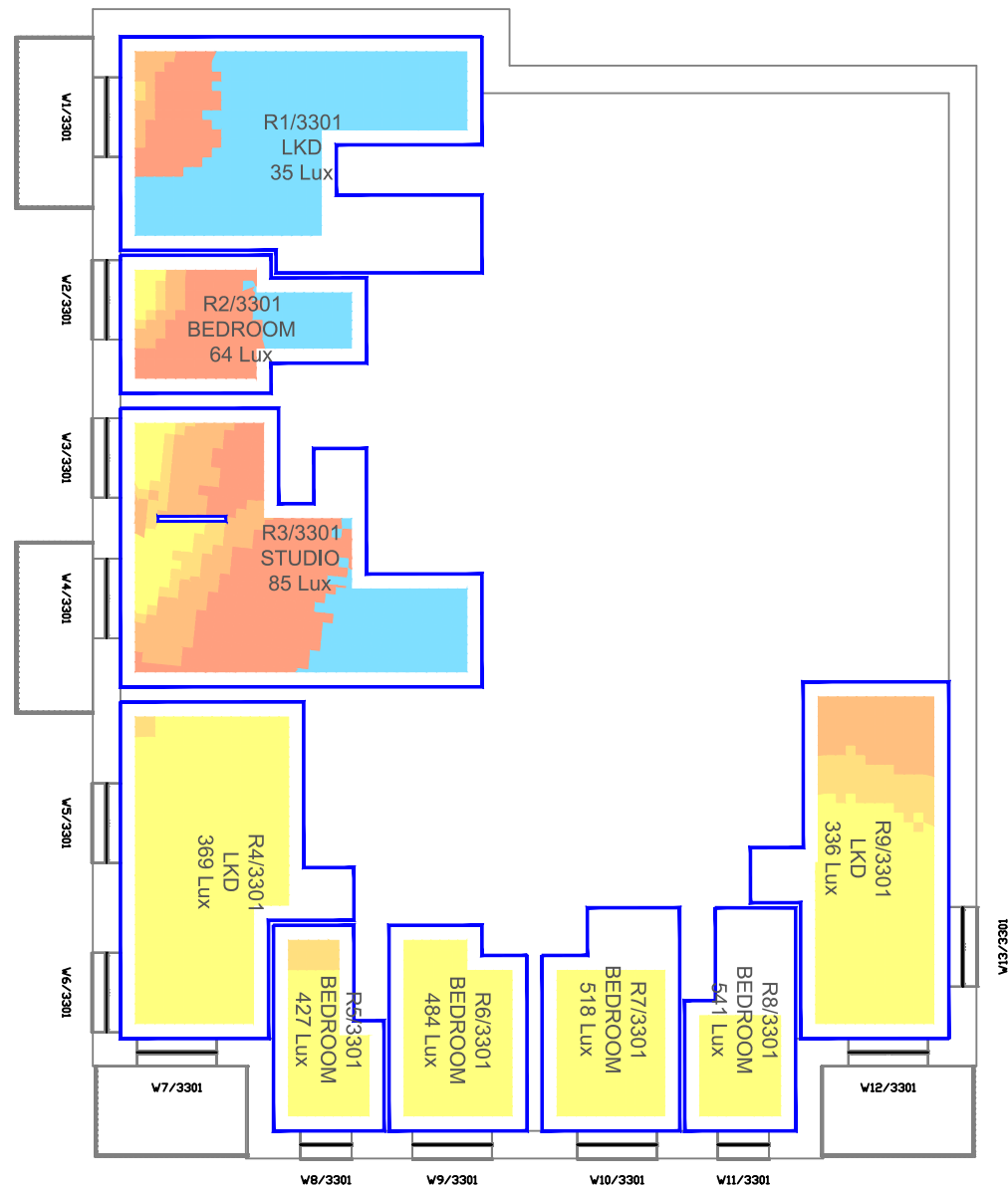
Title: Climate Based Daylight Modelling (CBDM) Assessment Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24 Block M

Dwg No: P2713/CBDM/112

Rel: 31

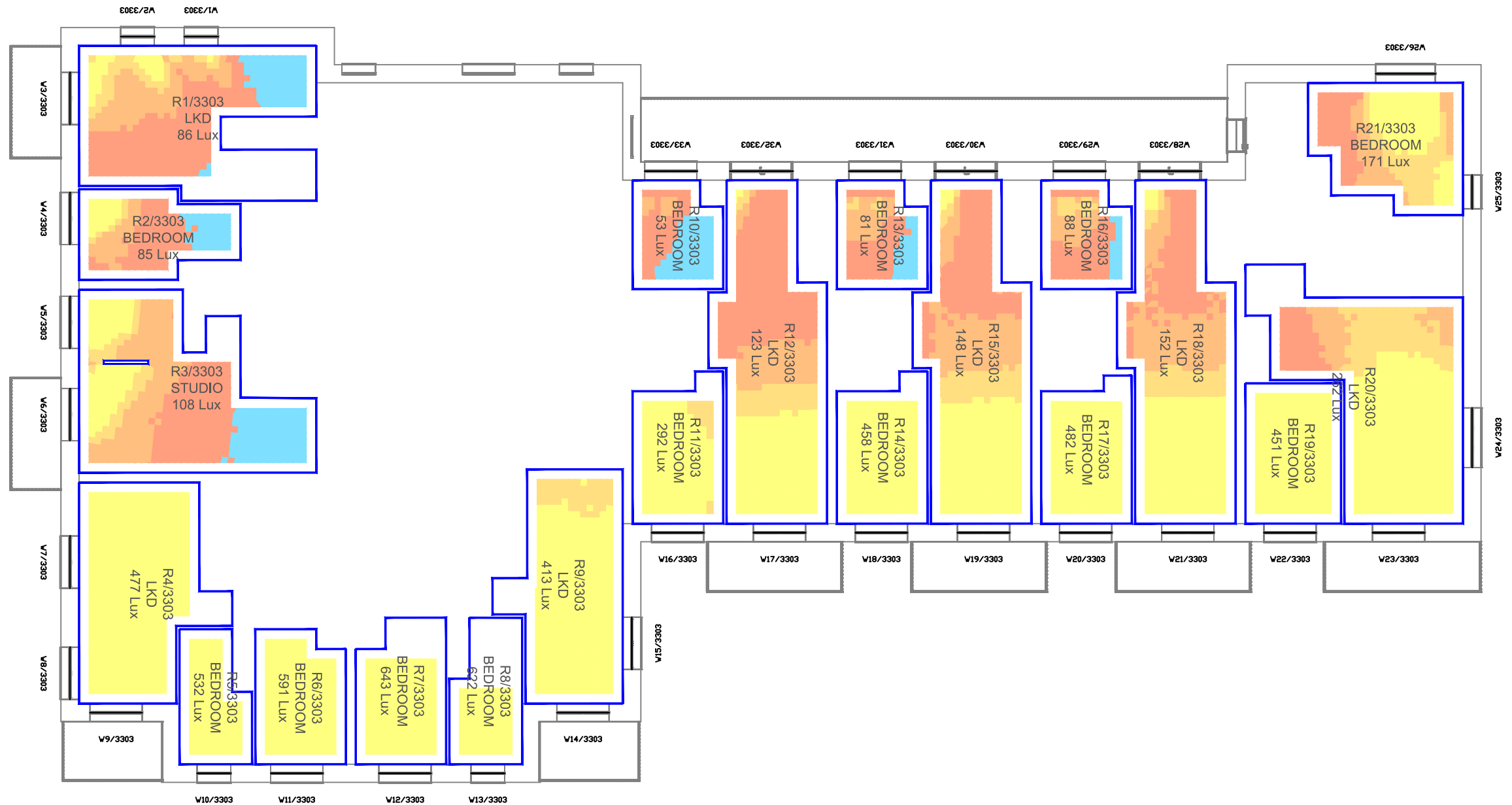




First Floor

<div>Sources: Zmapping Ltd 3D surroundings Model (29/04/21 - 2019 Data)</div> <div>Survey Info (received 10/02/22) 10042-02.rvt</div> <div>dRMM Studio Proposed Info (received 24/04/24) ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt</div>		<div>Key: Daylight Illuminance (achieved for 50% of daylight hours)</div> <div><div><div><50 Lux</div><div>>50 Lux</div><div>>100 Lux</div><div>>150 Lux</div><div>>200 Lux</div></div><div>Median Illuminance (Lux) Levels shown for each room. Recommended Targets: Bedroom 100 Lux Living Room 150 Lux Kitchen 200 Lux</div></div>		<div>Project: Aylesham Centre, Peckham</div>		<div>Title: Climate Based Daylight Modelling (CBDM) Assessment Median Illuminance (Lux) Levels</div> <div>Proposed Scheme 24/04/24 Block N</div>	
Scheme Confirmed:		Date:	Drawn By: BW	Scale: 1:150 @ A3	Date: Jun 24	Dwg No: P2713/CBDM/113	Rel: 31





Third Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux

>50 Lux

>100 Lux

>150 Lux

>200 Lux

Median Illuminance (Lux) Levels
shown for each room.

Recommended Targets:
Bedroom 100 Lux
Living Room 150 Lux
Kitchen 200 Lux

Project: Aylesham Centre,
Peckham

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

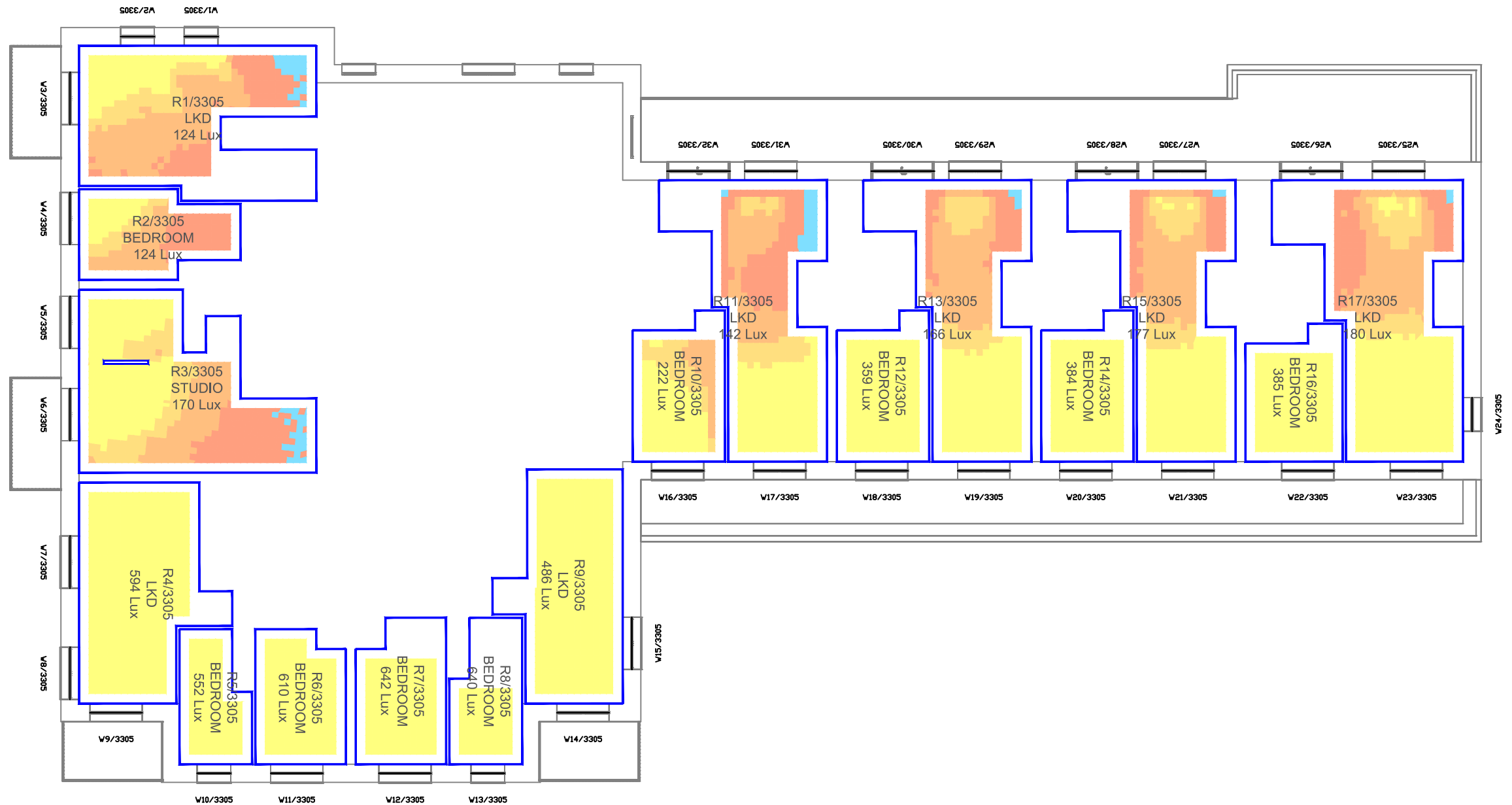
Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block N

Dwg No:
P2713/CBDM/114

Rel:
31

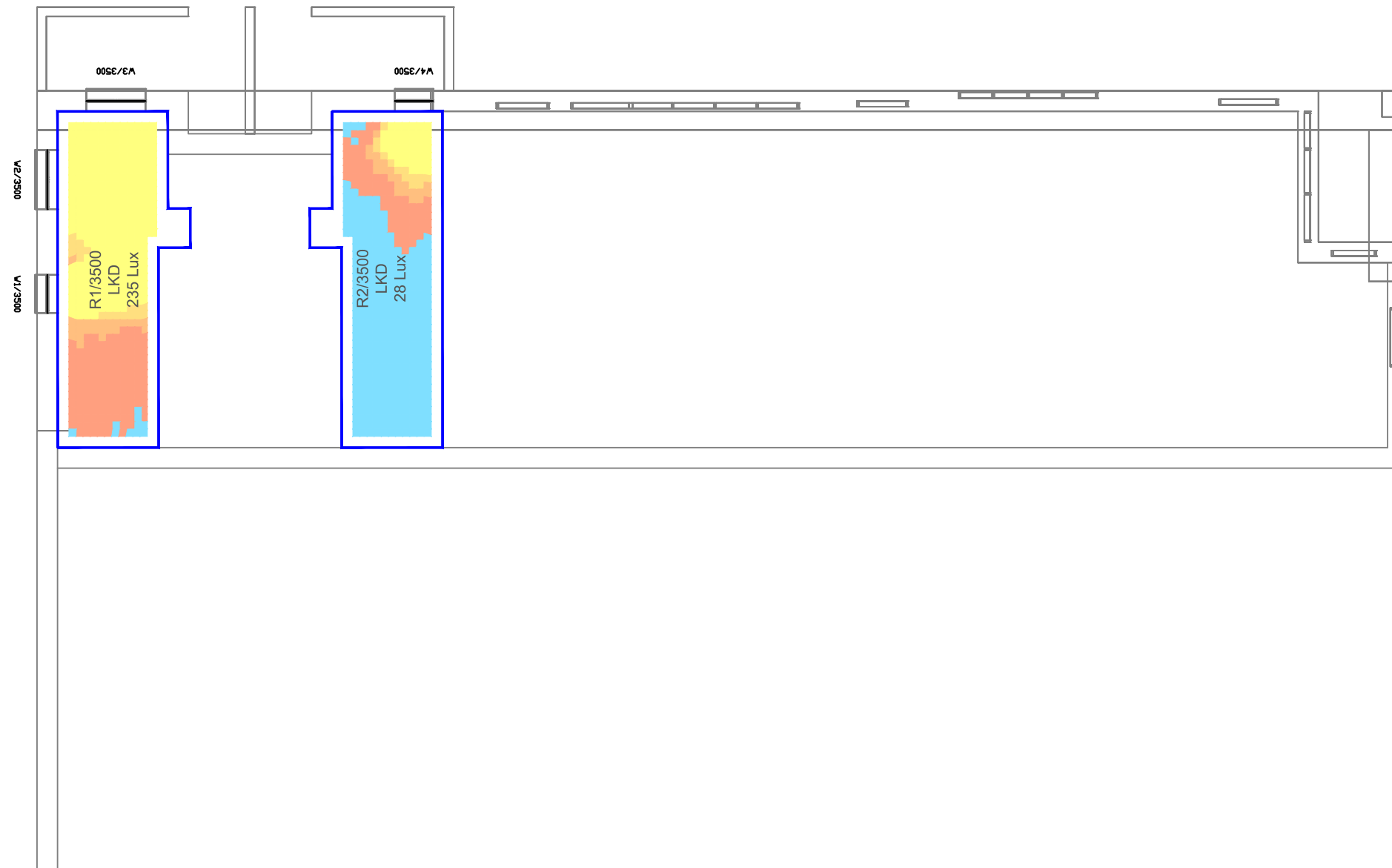




Fifth Floor

<div>Sources: Zmapping Ltd 3D surroundings Model (29/04/21 - 2019 Data)</div> <div>Survey Info (received 10/02/22) 10042-02.rvt</div> <div>dRMM Studio Proposed Info (received 24/04/24) ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt</div>		<div>Key: Daylight Illuminance (achieved for 50% of daylight hours)</div> <div><div><div><50 Lux</div><div>>50 Lux</div><div>>100 Lux</div><div>>150 Lux</div><div>>200 Lux</div></div><div>Median Illuminance (Lux) Levels shown for each room.</div><div>Recommended Targets: Bedroom 100 Lux Living Room 150 Lux Kitchen 200 Lux</div></div>		<div>Project: Aylesham Centre, Peckham</div>		<div>Title: Climate Based Daylight Modelling (CBDM) Assessment Median Illuminance (Lux) Levels</div> <div>Proposed Scheme 24/04/24 Block N</div>	
Scheme Confirmed:		Date:	Drawn By: BW	Scale: 1:150 @ A3	Date: Jun 24	Dwg No: P2713/CBDM/115	Rel: 31

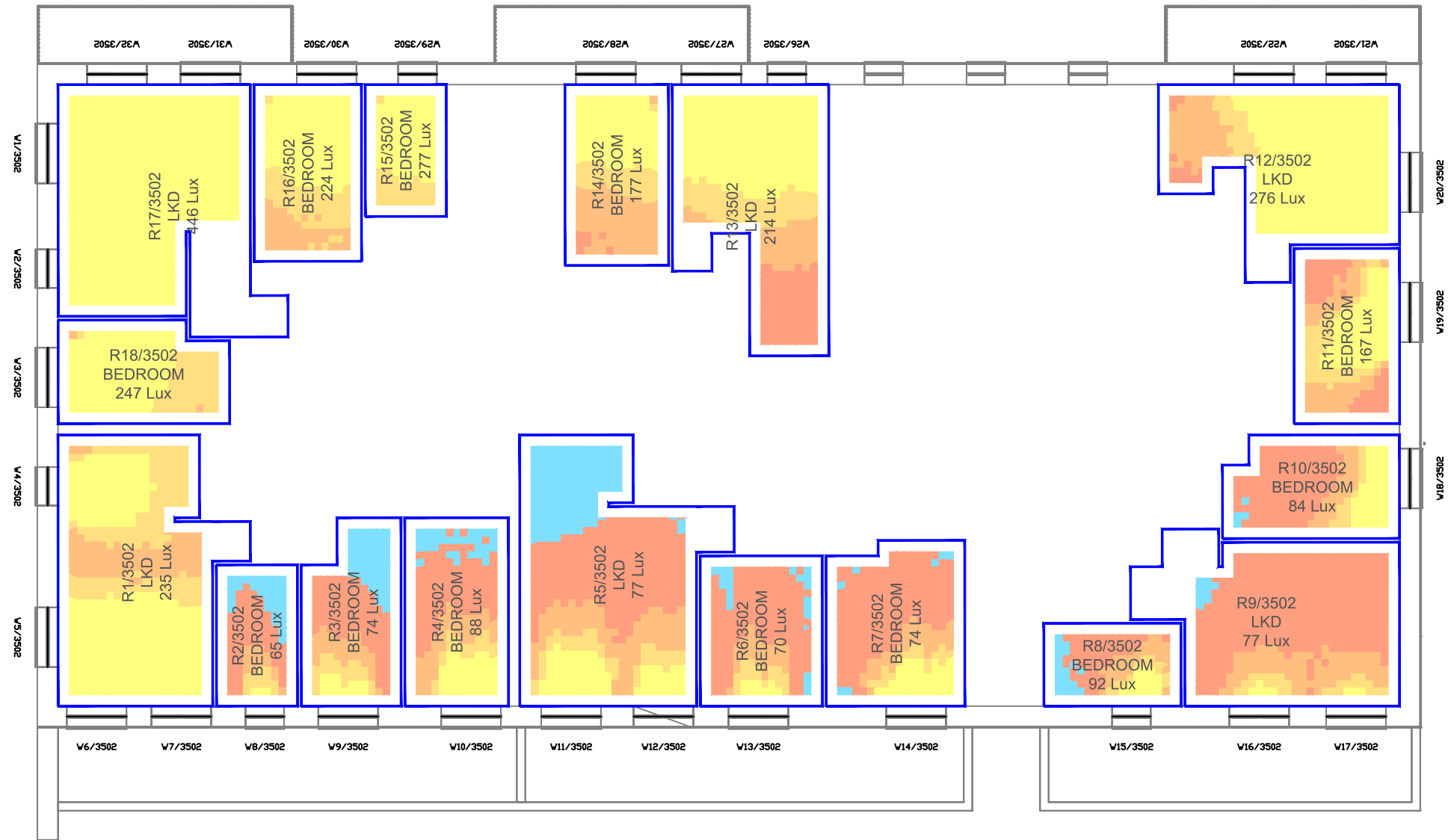




Ground Floor

Sources: Zmapping Ltd 3D surroundings Model (29/04/21 - 2019 Data) Survey Info (received 10/02/22) 10042-02.rvt dRMM Studio Proposed Info (received 24/04/24) ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt		Key: Daylight Illuminance (achieved for 50% of daylight hours) <div><div><50 Lux</div><div>>50 Lux</div><div>>100 Lux</div><div>>150 Lux</div><div>>200 Lux</div></div> <div>Median Illuminance (Lux) Levels shown for each room. Recommended Targets: Bedroom 100 Lux Living Room 150 Lux Kitchen 200 Lux</div>		Project: Aylesham Centre, Peckham		Title: Climate Based Daylight Modelling (CBDM) Assessment Median Illuminance (Lux) Levels Proposed Scheme 24/04/24 Block P	
Scheme Confirmed:		Date:	Drawn By: BW	Scale: 1:150 @ A3	Date: Jun 24	Dwg No: P2713/CBDM/116	Rel: 31

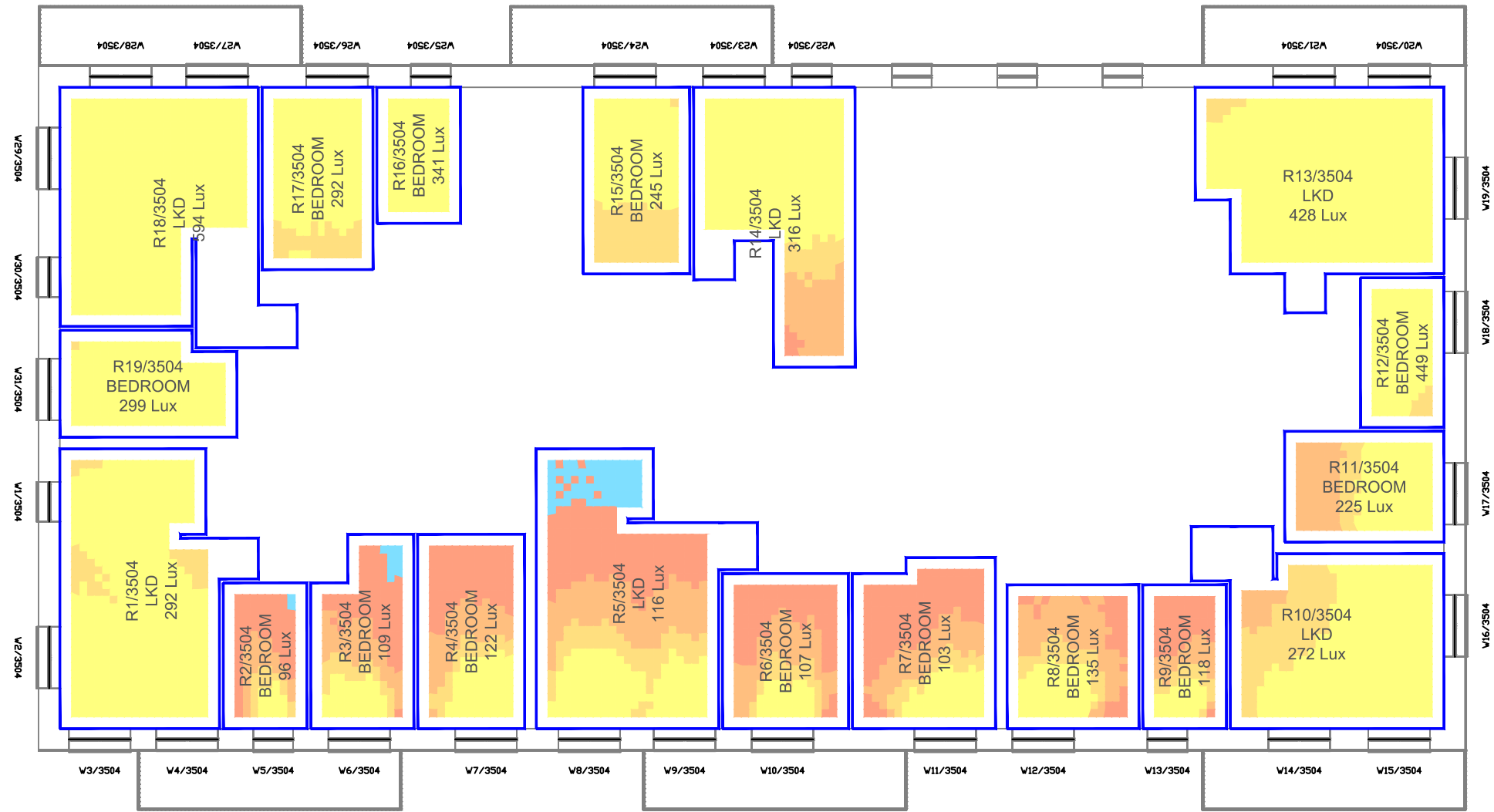




Second Floor

Sources: Zmapping Ltd 3D surroundings Model (29/04/21 - 2019 Data) Survey Info (received 10/02/22) 10042-02.rvt dRMM Studio Proposed Info (received 24/04/24) ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt		Key: Daylight Illuminance (achieved for 50% of daylight hours) <div><div><50 Lux</div><div>>50 Lux</div><div>>100 Lux</div><div>>150 Lux</div><div>>200 Lux</div></div> <div>Median Illuminance (Lux) Levels shown for each room. Recommended Targets: Bedroom 100 Lux Living Room 150 Lux Kitchen 200 Lux</div>		Project: Aylesham Centre, Peckham		Title: Climate Based Daylight Modelling (CBDM) Assessment Median Illuminance (Lux) Levels Proposed Scheme 24/04/24 Block P	
Scheme Confirmed:		Date:	Drawn By: BW	Scale: 1:150 @ A3	Date: Jun 24	Dwg No: P2713/CBDM/117	Rel: 31





Fourth Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux

>50 Lux

>100 Lux

>150 Lux

>200 Lux

Median Illuminance (Lux) Levels
shown for each room.

Recommended Targets:
Bedroom 100 Lux
Living Room 150 Lux
Kitchen 200 Lux

Project: Aylesham Centre,
Peckham

Scheme Confirmed:

Date:

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

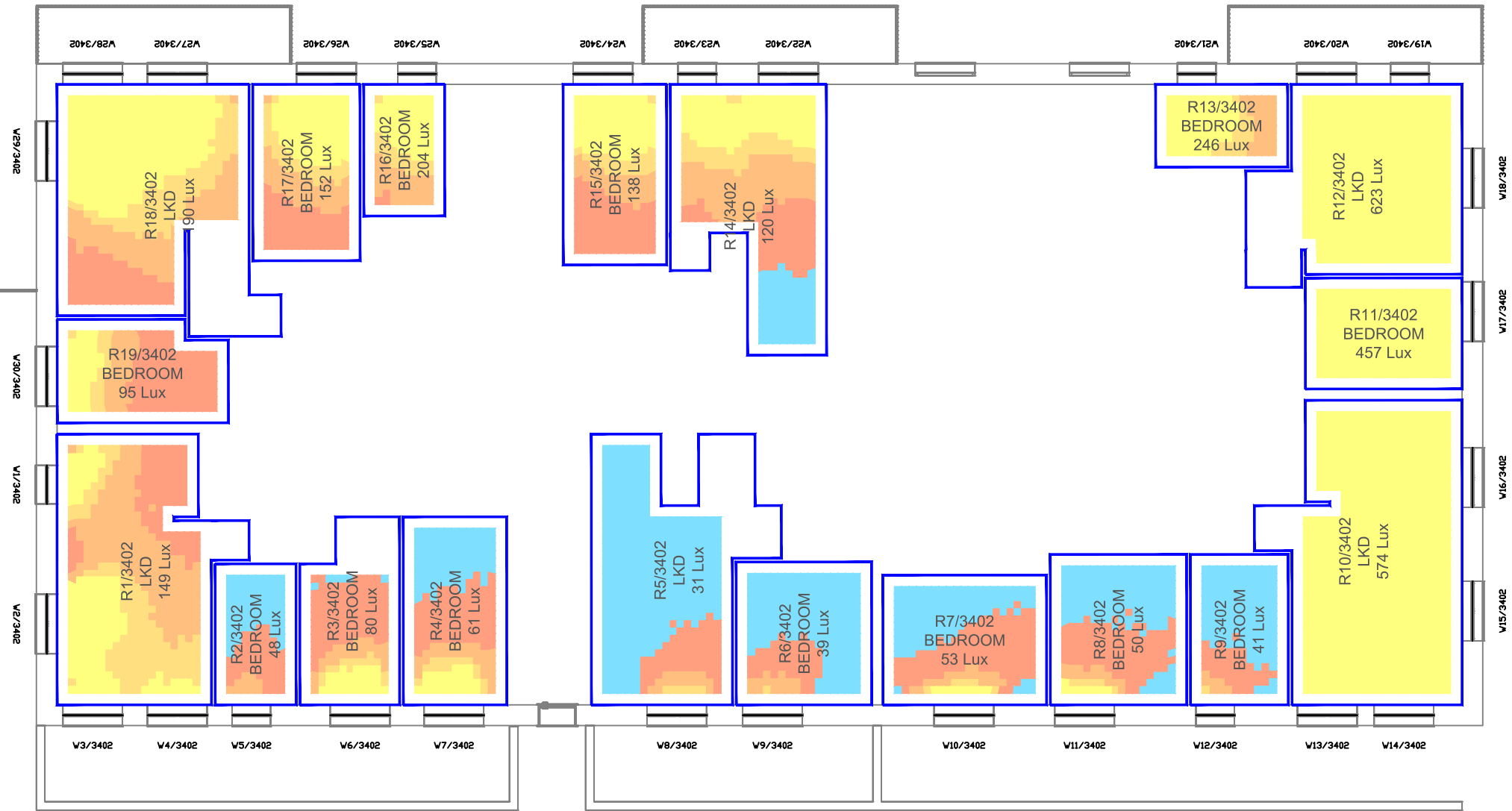
Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block P

Dwg No:
P2713/CBDM/118

Rel:
31

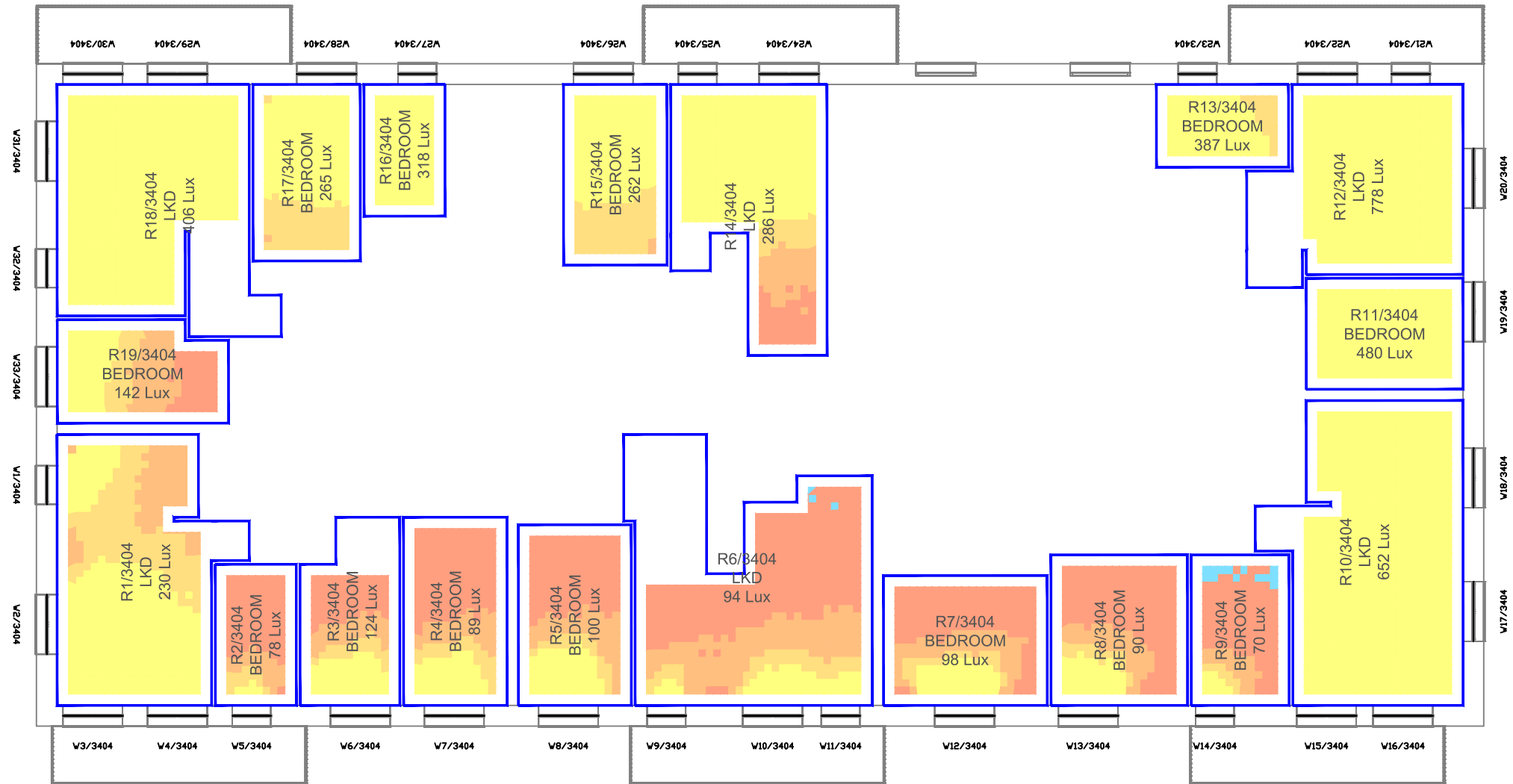




Second Floor

Sources: Zmapping Ltd 3D surroundings Model (29/04/21 - 2019 Data) Survey Info (received 10/02/22) 10042-02.rvt dRMM Studio Proposed Info (received 24/04/24) ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt		Key: Daylight Illuminance (achieved for 50% of daylight hours) <div><div><50 Lux</div><div>>50 Lux</div><div>>100 Lux</div><div>>150 Lux</div><div>>200 Lux</div></div> <div>Median Illuminance (Lux) Levels shown for each room. Recommended Targets: Bedroom 100 Lux Living Room 150 Lux Kitchen 200 Lux</div>		Project: Aylesham Centre, Peckham		Title: Climate Based Daylight Modelling (CBDM) Assessment Median Illuminance (Lux) Levels Proposed Scheme 24/04/24 Block Q	
Scheme Confirmed:		Date:	Drawn By: BW	Scale: 1:150 @ A3	Date: Jun 24	Dwg No: P2713/CBDM/119	Rel: 31





Fourth Floor

Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed Info (received 24/04/24)
ASCP-DRM-XX-XX-DGA-A-0020XX_PXX.dwg
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key: Daylight Illuminance
(achieved for 50% of daylight hours)

<50 Lux

>50 Lux

>100 Lux

>150 Lux

>200 Lux

Median Illuminance (Lux) Levels
shown for each room.

Recommended Targets:
Bedroom 100 Lux
Living Room 150 Lux
Kitchen 200 Lux

Project: Aylesham Centre,
Peckham

Scheme Confirmed:

Date:

Drawn By:
BW

Scale:
1:150 @ A3

Date:
Jun 24

Title: Climate Based Daylight Modelling (CBDM) Assessment
Median Illuminance (Lux) Levels

Proposed Scheme 24/04/24
Block Q

Dwg No:
P2713/CBDM/120

Rel:
31



Aylesham Centre, Peckham
Proposed Scheme 24/04/24

Unit	Room	Room Use	Date	Sunlight Exposure (Hours)	Unit Complies?
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Proposed Scheme Dated 24/04/24 - Block A

F1/2001	R16/2001	LKD	21-Mar	1.9	✓
F2/2001	R15/2001	LD	21-Mar	0.4	✓
F3/2001	R10/2001	LD	21-Mar	0.4	✓
F4/2001	R9/2001	LD	21-Mar	0.0	✗
F1/2003	R16/2003	LKD	21-Mar	2.0	✓
F2/2003	R15/2003	LD	21-Mar	1.8	✓
F3/2003	R10/2003	LD	21-Mar	1.8	✓
F4/2003	R9/2003	LD	21-Mar	0.5	✗
F1/2005	R2/2005	LKD	21-Mar	2.1	✓
					77.8%

Proposed Scheme Dated 24/04/24 - Block B

F1/2101	R12/2101	LKD	21-Mar	1.6	✓
F2/2101	R11/2101	LKD	21-Mar	2.2	✓
F3/2101	R10/2101	LKD	21-Mar	2.3	✓
F4/2101	R9/2101	LKD	21-Mar	1.8	✓
F1/2103	R12/2103	LKD	21-Mar	3.6	✓
F2/2103	R11/2103	LKD	21-Mar	3.6	✓
F3/2103	R10/2103	LKD	21-Mar	3.3	✓
F4/2103	R9/2103	LKD	21-Mar	3.3	✓

Aylesham Centre, Peckham
Proposed Scheme 24/04/24

Unit	Room	Room Use	Date	Sunlight Exposure (Hours)	Unit Complies?
F1/2105	R12/2105	LKD	21-Mar	4.6	✓
F2/2105	R11/2105	LKD	21-Mar	4.6	✓
F3/2105	R10/2105	LKD	21-Mar	4.6	✓
F4/2105	R9/2105	LKD	21-Mar	4.6	✓
					100.0%

Proposed Scheme Dated 24/04/24 - Block C

F1/2201	R4/2201	LD	16-Mar	1.0	✓
F2/2201	R2/2201	LKD	21-Mar	1.6	✓
F1/2203	R14/2203	LD	21-Mar	2.2	✓
F2/2203	R8/2203	LD	21-Mar	1.1	✓
F3/2203	R4/2203	LD	15-Mar	2.1	✓
F4/2203	R2/2203	LKD	21-Mar	2.9	✓
F1/2205	R6/2205	LD	21-Mar	1.4	✓
F2/2205	R4/2205	LKD	21-Mar	4.4	✓
F3/2205	R3/2205	LKD	21-Mar	4.4	✓
					100.0%

Proposed Scheme Dated 24/04/24 - Block E

F1/2401	R2/2401	LKD	21-Mar	0.0	✗
F2/2401	R3/2401	STUDIO	21-Mar	0.0	✗
F3/2401	R4/2401	STUDIO	21-Mar	0.0	✗
F4/2401	R6/2401	LKD	21-Mar	0.0	✗

Aylesham Centre, Peckham
Proposed Scheme 24/04/24

Unit	Room	Room Use	Date	Sunlight Exposure (Hours)	Unit Complies?
F5/2401	R7/2401	LKD	21-Mar	4.6	✓
F6/2401	R10/2401	LKD	21-Mar	4.8	✓
F7/2401	R11/2401	LKD	21-Mar	0.0	✗
F8/2401	R16/2401	LKD	21-Mar	0.0	✗
F9/2401	R17/2401	LKD	21-Mar	0.0	✗
F1/2403	R2/2403	LKD	21-Mar	0.0	✗
F2/2403	R3/2403	STUDIO	21-Mar	0.0	✗
F3/2403	R4/2403	STUDIO	11-Mar	0.1	✗
F4/2403	R6/2403	LKD	19-Mar	2.5	✓
F5/2403	R7/2403	LKD	18-Mar	5.3	✓
F6/2403	R10/2403	LKD	21-Mar	5.7	✓
F7/2403	R11/2403	LKD	21-Mar	3.8	✓
F8/2403	R16/2403	LKD	21-Mar	0.4	✗
F9/2403	R17/2403	LKD	21-Mar	0.0	✗
F1/2405	R2/2405	LKD	21-Mar	0.0	✗
F2/2405	R3/2405	STUDIO	04-Feb	0.1	✗
F3/2405	R4/2405	STUDIO	23-Feb	0.2	✗
F4/2405	R6/2405	LKD	19-Mar	4.3	✓
F5/2405	R7/2405	LKD	17-Mar	5.9	✓
F6/2405	R10/2405	LKD	21-Mar	6.8	✓

Aylesham Centre, Peckham
Proposed Scheme 24/04/24

Unit	Room	Room Use	Date	Sunlight Exposure (Hours)	Unit Complies?
F7/2405	R11/2405	LKD	21-Mar	5.3	✓
F8/2405	R16/2405	LKD	21-Mar	1.5	✓
F9/2405	R17/2405	LKD	21-Mar	0.0	✗ 40.7%

Proposed Scheme Dated 24/04/24 - Block F

F1/2501	R1/2501	LKD	21-Mar	0.0	✓
F2/2501	R6/2501	LKD	19-Mar	10.9	✓
F3/2501	R9/2501	LKD	21-Mar	10.1	✓
F4/2501	R14/2501	LKD	21-Mar	0.2	✓
F1/2503	R1/2503	LKD	21-Mar	0.0	✓
F2/2503	R6/2503	LKD	17-Mar	11.0	✓
F3/2503	R9/2503	LKD	19-Mar	10.5	✓
F4/2503	R14/2503	LKD	20-Mar	1.3	✓
F1/2505	R1/2505	LKD	21-Mar	0.0	✓
F2/2505	R6/2505	LKD	17-Mar	11.0	✓
F3/2505	R9/2505	LKD	21-Mar	10.5	✓
F4/2505	R14/2505	LKD	21-Mar	1.9	✓ 100.0%

Proposed Scheme Dated 24/04/24 - Block G

F1/2601	R1/2601	STUDIO	21-Mar	0.0	✗
F2/2601	R5/2601	LKD	06-Mar	2.7	✓

Aylesham Centre, Peckham
Proposed Scheme 24/04/24

Unit	Room	Room Use	Date	Sunlight Exposure (Hours)	Unit Complies?
F3/2601	R7/2601	LKD	21-Mar	2.8	✓
F4/2601	R9/2601	LKD	10-Mar	2.1	✓
F5/2601	R11/2601	LKD	02-Mar	1.1	✗
F6/2601	R13/2601	LKD	21-Mar	0.1	✗
F7/2601	R16/2601	LKD	21-Mar	0.0	✗
F1/2603	R1/2603	STUDIO	07-Feb	0.1	✗
F2/2603	R5/2603	LKD	21-Feb	2.8	✓
F3/2603	R7/2603	LKD	20-Mar	3.8	✓
F4/2603	R9/2603	LKD	10-Mar	2.1	✓
F5/2603	R11/2603	LKD	02-Mar	1.1	✗
F6/2603	R13/2603	LKD	21-Mar	0.1	✗
F7/2603	R16/2603	LKD	21-Mar	0.0	✗
F1/2605	R1/2605	STUDIO	07-Feb	0.1	✗
F2/2605	R5/2605	LKD	10-Mar	3.0	✓
F3/2605	R7/2605	LKD	20-Mar	4.3	✓
F4/2605	R9/2605	LKD	27-Feb	2.2	✓
F5/2605	R11/2605	LKD	02-Mar	1.1	✗
F6/2605	R15/2605	LKD	21-Mar	0.3	✗
F7/2605	R17/2605	LKD	21-Mar	0.0	✗
					42.9%

Proposed Scheme Dated 24/04/24 - Block H

Aylesham Centre, Peckham
Proposed Scheme 24/04/24

Unit	Room	Room Use	Date	Sunlight Exposure (Hours)	Unit Complies?
F1/2701	R1/2701	LKD	10-Mar	9.4	✓
F2/2701	R3/2701	LKD	13-Feb	7.4	✓
F3/2701	R9/2701	LKD	21-Mar	0.0	✗
F4/2701	R12/2701	LKD	20-Mar	1.3	✗
F5/2701	R15/2701	LKD	21-Mar	0.0	✗
F1/2703	R2/2703	LKD	12-Feb	1.0	✗
F2/2703	R3/2703	LKD	06-Mar	9.5	✓
F3/2703	R6/2703	LKD	06-Feb	7.7	✓
F4/2703	R12/2703	LKD	21-Mar	0.7	✗
F5/2703	R15/2703	LKD	20-Mar	2.7	✓
F6/2703	R18/2703	LKD	25-Feb	0.5	✗
F1/2705	R4/2705	LKD	05-Feb	8.6	✓
F2/2705	R5/2705	LKD	08-Mar	6.9	✓
F3/2705	R9/2705	LKD	21-Mar	3.0	✓
F4/2705	R15/2705	LKD	21-Mar	2.9	✓
F5/2705	R17/2705	LKD	09-Feb	0.8	✗
					56.3%

Proposed Scheme Dated 24/04/24 - Block J

F1/2800	R1/2800	LKD	22-Feb	7.8	✓
F2/2800	R2/2800	LKD	04-Mar	7.6	✓

Aylesham Centre, Peckham
Proposed Scheme 24/04/24

Unit	Room	Room Use	Date	Sunlight Exposure (Hours)	Unit Complies?
F3/2800	R3/2800	LKD	04-Mar	7.6	✓
F4/2800	R4/2800	LKD	11-Mar	8.0	✓
F5/2800	R5/2800	LKD	21-Mar	0.0	✗
F1/2802	R2/2802	LKD	14-Feb	0.8	✗
F10/2802	R18/2802	STUDIO	11-Feb	0.3	✗
F11/2802	R21/2802	LKD	21-Mar	0.2	✗
F12/2802	R24/2802	LKD	21-Mar	0.0	✗
F13/2802	R25/2802	LKD	10-Mar	0.6	✗
F2/2802	R4/2802	LKD	12-Mar	0.3	✗
F3/2802	R7/2802	LKD	17-Feb	9.3	✓
F4/2802	R8/2802	STUDIO	15-Feb	8.2	✓
F5/2802	R9/2802	LKD	15-Feb	8.2	✓
F6/2802	R11/2802	LKD	04-Mar	8.3	✓
F7/2802	R15/2802	LKD	21-Mar	0.0	✗
F8/2802	R16/2802	STUDIO	21-Mar	0.0	✗
F9/2802	R17/2802	STUDIO	26-Feb	0.1	✗
F1/2804	R2/2804	LKD	13-Feb	0.7	✗
F10/2804	R18/2804	STUDIO	11-Feb	0.3	✗
F11/2804	R21/2804	LKD	21-Mar	0.7	✗
F12/2804	R24/2804	LKD	21-Mar	0.0	✗

Aylesham Centre, Peckham
Proposed Scheme 24/04/24

Unit	Room	Room Use	Date	Sunlight Exposure (Hours)	Unit Complies?
F13/2804	R25/2804	LKD	10-Mar	0.6	✗
F2/2804	R4/2804	LKD	13-Feb	0.3	✗
F3/2804	R7/2804	LKD	14-Feb	9.5	✓
F4/2804	R8/2804	STUDIO	10-Feb	8.3	✓
F5/2804	R9/2804	LKD	10-Feb	8.3	✓
F6/2804	R11/2804	LKD	01-Mar	8.5	✓
F7/2804	R15/2804	LKD	21-Mar	0.0	✗
F8/2804	R16/2804	STUDIO	21-Mar	0.0	✗
F9/2804	R17/2804	STUDIO	21-Mar	0.7	✗
F6/2850	R1/2850	LKD	21-Mar	0.0	✗
F7/2850	R2/2850	LKD	20-Mar	0.1	✗
					36.4%

Proposed Scheme Dated 24/04/24 - Block K

F1/3001	R2/3001	LKD	21-Mar	0.0	✗
F2/3001	R3/3001	LKD	21-Mar	0.0	✗
F3/3001	R6/3001	STUDIO	21-Mar	0.0	✗
F4/3001	R8/3001	LKD	21-Mar	0.0	✗
F5/3001	R12/3001	LKD	13-Mar	0.6	✗
F6/3001	R14/3001	LKD	21-Mar	1.3	✗
F7/3001	R17/3001	LKD	05-Feb	0.1	✗
F8/3001	R18/3001	LKD	21-Mar	0.1	✗

Aylesham Centre, Peckham
Proposed Scheme 24/04/24

Unit	Room	Room Use	Date	Sunlight Exposure (Hours)	Unit Complies?
F1/3003	R2/3003	LKD	21-Mar	0.0	✗
F10/3003	R24/3003	LKD	21-Mar	1.4	✓
F11/3003	R27/3003	LKD	20-Mar	0.8	✗
F12/3003	R30/3003	LKD	17-Mar	0.1	✗
F13/3003	R33/3003	LKD	09-Mar	0.3	✗
F2/3003	R3/3003	LKD	21-Mar	0.0	✗
F3/3003	R6/3003	STUDIO	21-Mar	0.3	✗
F4/3003	R8/3003	LKD	21-Mar	0.0	✗
F5/3003	R12/3003	LKD	12-Mar	0.9	✗
F6/3003	R14/3003	LKD	21-Mar	1.7	✓
F7/3003	R18/3003	LKD	12-Mar	0.1	✗
F8/3003	R19/3003	LKD	14-Mar	0.1	✗
F9/3003	R23/3003	LKD	21-Mar	1.5	✓
F1/3005	R2/3005	LKD	20-Mar	0.1	✗
F10/3005	R24/3005	LKD	21-Mar	2.3	✓
F11/3005	R27/3005	LKD	21-Mar	1.8	✓
F12/3005	R30/3005	LKD	21-Mar	1.0	✗
F13/3005	R31/3005	LKD	21-Mar	2.4	✓
F2/3005	R3/3005	LKD	21-Mar	0.0	✗
F3/3005	R6/3005	STUDIO	21-Mar	0.8	✗

Aylesham Centre, Peckham
Proposed Scheme 24/04/24

Unit	Room	Room Use	Date	Sunlight Exposure (Hours)	Unit Complies?
F4/3005	R8/3005	LKD	09-Mar	0.1	✗
F5/3005	R12/3005	LKD	19-Mar	1.5	✓
F6/3005	R14/3005	LKD	13-Mar	2.6	✓
F7/3005	R18/3005	LKD	12-Mar	0.2	✗
F8/3005	R19/3005	LKD	08-Mar	0.1	✗
F9/3005	R23/3005	LKD	21-Mar	2.3	✓ 26.5%

Proposed Scheme Dated 24/04/24 - Block L

F1/3102	R3/3102	LKD	20-Feb	2.4	✓
F10/3102	R21/3102	LKD	21-Mar	0.0	✗
F11/3102	R23/3102	LKD	21-Mar	0.0	✗
F2/3102	R4/3102	LKD	20-Feb	2.1	✓
F3/3102	R7/3102	LKD	11-Feb	2.3	✓
F4/3102	R10/3102	LKD	09-Feb	2.3	✓
F5/3102	R12/3102	LKD	12-Feb	2.2	✓
F6/3102	R13/3102	STUDIO	21-Mar	0.8	✗
F7/3102	R15/3102	LKD	21-Feb	1.4	✗
F8/3102	R18/3102	LKD	20-Mar	0.6	✗
F9/3102	R20/3102	STUDIO	21-Mar	0.0	✗
F1/3104	R3/3104	LKD	11-Feb	2.5	✓

Aylesham Centre, Peckham
Proposed Scheme 24/04/24

Unit	Room	Room Use	Date	Sunlight Exposure (Hours)	Unit Complies?
F10/3104	R23/3104	LKD	21-Mar	0.0	✗
F11/3104	R25/3104	LKD	21-Mar	0.0	✗
F2/3104	R4/3104	LKD	09-Feb	2.3	✓
F3/3104	R7/3104	LKD	19-Mar	2.4	✓
F4/3104	R10/3104	LKD	18-Mar	2.4	✓
F5/3104	R13/3104	LKD	17-Mar	2.3	✓
F6/3104	R15/3104	STUDIO	21-Mar	1.6	✓
F7/3104	R17/3104	LKD	22-Feb	1.4	✗
F8/3104	R20/3104	LKD	20-Mar	0.8	✗
F9/3104	R22/3104	STUDIO	18-Mar	0.1	✗
F1/3106	R2/3106	LKD	25-Feb	2.4	✓
F10/3106	R23/3106	LKD	21-Mar	0.3	✗
F11/3106	R24/3106	LKD	21-Mar	0.3	✗
F2/3106	R3/3106	LKD	13-Mar	2.5	✓
F3/3106	R6/3106	LKD	12-Mar	2.8	✓
F4/3106	R9/3106	LKD	11-Mar	2.8	✓
F5/3106	R12/3106	LKD	18-Feb	2.4	✓
F6/3106	R14/3106	STUDIO	21-Mar	2.3	✓
F7/3106	R16/3106	LKD	21-Mar	2.3	✓
F8/3106	R19/3106	LKD	15-Mar	1.0	✗

Aylesham Centre, Peckham
Proposed Scheme 24/04/24

Unit	Room	Room Use	Date	Sunlight Exposure (Hours)	Unit Complies?
F9/3106	R21/3106	STUDIO	21-Mar	0.3	 54.5%

Proposed Scheme Dated 24/04/24 - Block M

None	R17/3202	LKD	21-Mar	4.2	
F1/3202	R1/3202	LKD	18-Mar	0.3	
F2/3202	R5/3202	LKD	21-Mar	0.2	
F3/3202	R8/3202	LKD	21-Mar	0.0	
F4/3202	R12/3202	LKD	20-Mar	2.3	
F5/3202	R13/3202	LKD	20-Mar	1.8	
F7/3202	R18/3202	STUDIO	21-Mar	2.9	
F8/3202	R19/3202	STUDIO	21-Mar	3.6	
F9/3202	R22/3202	LKD	02-Mar	1.5	
F1/3204	R1/3204	LKD	21-Mar	0.4	
F2/3204	R5/3204	LKD	21-Mar	0.3	
F3/3204	R8/3204	LKD	21-Mar	0.0	
F4/3204	R12/3204	LKD	25-Feb	3.3	
F5/3204	R13/3204	LKD	12-Mar	4.8	
F6/3204	R17/3204	LKD	21-Mar	5.3	
F7/3204	R19/3204	STUDIO	21-Mar	4.2	
F8/3204	R20/3204	STUDIO	17-Mar	4.0	
F9/3204	R23/3204	LKD	12-Feb	1.6	

Aylesham Centre, Peckham
Proposed Scheme 24/04/24

Unit	Room	Room Use	Date	Sunlight Exposure (Hours)	Unit Complies?
F1/3206	R1/3206	LKD	19-Mar	0.3	✗
F2/3206	R5/3206	LKD	21-Mar	0.6	✗
F3/3206	R8/3206	LKD	21-Mar	0.0	✗
F4/3206	R12/3206	LKD	26-Feb	3.1	✓
F5/3206	R13/3206	LKD	12-Mar	5.8	✓
F6/3206	R17/3206	LKD	21-Mar	6.7	✓
F7/3206	R19/3206	STUDIO	21-Mar	4.6	✓
F8/3206	R20/3206	STUDIO	11-Mar	4.1	✓
F9/3206	R23/3206	LKD	17-Feb	1.6	✓
					66.7%

Proposed Scheme Dated 24/04/24 - Block N

F1/3301	R1/3301	LKD	25-Feb	0.7	✗
F2/3301	R3/3301	STUDIO	13-Mar	2.2	✓
F3/3301	R4/3301	LKD	12-Mar	6.5	✓
F4/3301	R9/3301	LKD	11-Mar	7.5	✓
F1/3303	R1/3303	LKD	21-Mar	0.7	✗
F2/3303	R3/3303	STUDIO	26-Feb	2.3	✓
F3/3303	R4/3303	LKD	11-Mar	6.8	✓
F4/3303	R9/3303	LKD	11-Mar	7.7	✓
F5/3303	R12/3303	LKD	05-Feb	5.9	✓

Aylesham Centre, Peckham
Proposed Scheme 24/04/24

Unit	Room	Room Use	Date	Sunlight Exposure (Hours)	Unit Complies?
F6/3303	R15/3303	LKD	07-Feb	7.8	✓
F7/3303	R18/3303	LKD	07-Feb	7.8	✓
F8/3303	R20/3303	LKD	07-Feb	8.3	✓
F1/3305	R1/3305	LKD	21-Mar	2.3	✓
F2/3305	R3/3305	STUDIO	21-Mar	2.3	✓
F3/3305	R4/3305	LKD	20-Mar	7.3	✓
F4/3305	R9/3305	LKD	13-Mar	7.8	✓
F5/3305	R11/3305	LKD	01-Feb	5.6	✓
F6/3305	R13/3305	LKD	04-Feb	7.7	✓
F7/3305	R15/3305	LKD	07-Feb	7.8	✓
F8/3305	R17/3305	LKD	05-Feb	8.0	✓
					90.0%

Proposed Scheme Dated 24/04/24 - Block P

F1/3500	R1/3500	LKD	20-Mar	2.8	✓
F2/3500	R2/3500	LKD	21-Mar	1.2	✗
F1/3502	R1/3502	LKD	21-Mar	0.1	✗
F2/3502	R5/3502	LKD	19-Mar	0.3	✗
F3/3502	R9/3502	LKD	19-Mar	0.3	✓
F4/3502	R12/3502	LKD	08-Mar	3.4	✓
F5/3502	R13/3502	LKD	21-Mar	2.3	✓
F6/3502	R17/3502	LKD	16-Mar	3.2	✓

Aylesham Centre, Peckham
Proposed Scheme 24/04/24

Unit	Room	Room Use	Date	Sunlight Exposure (Hours)	Unit Complies?
F1/3504	R1/3504	LKD	09-Mar	0.2	✗
F2/3504	R5/3504	LKD	14-Mar	0.5	✗
F3/3504	R10/3504	LKD	21-Mar	5.9	✓
F4/3504	R13/3504	LKD	21-Mar	7.6	✓
F5/3504	R14/3504	LKD	21-Mar	3.5	✓
F6/3504	R18/3504	LKD	04-Mar	3.8	✓
					64.3%

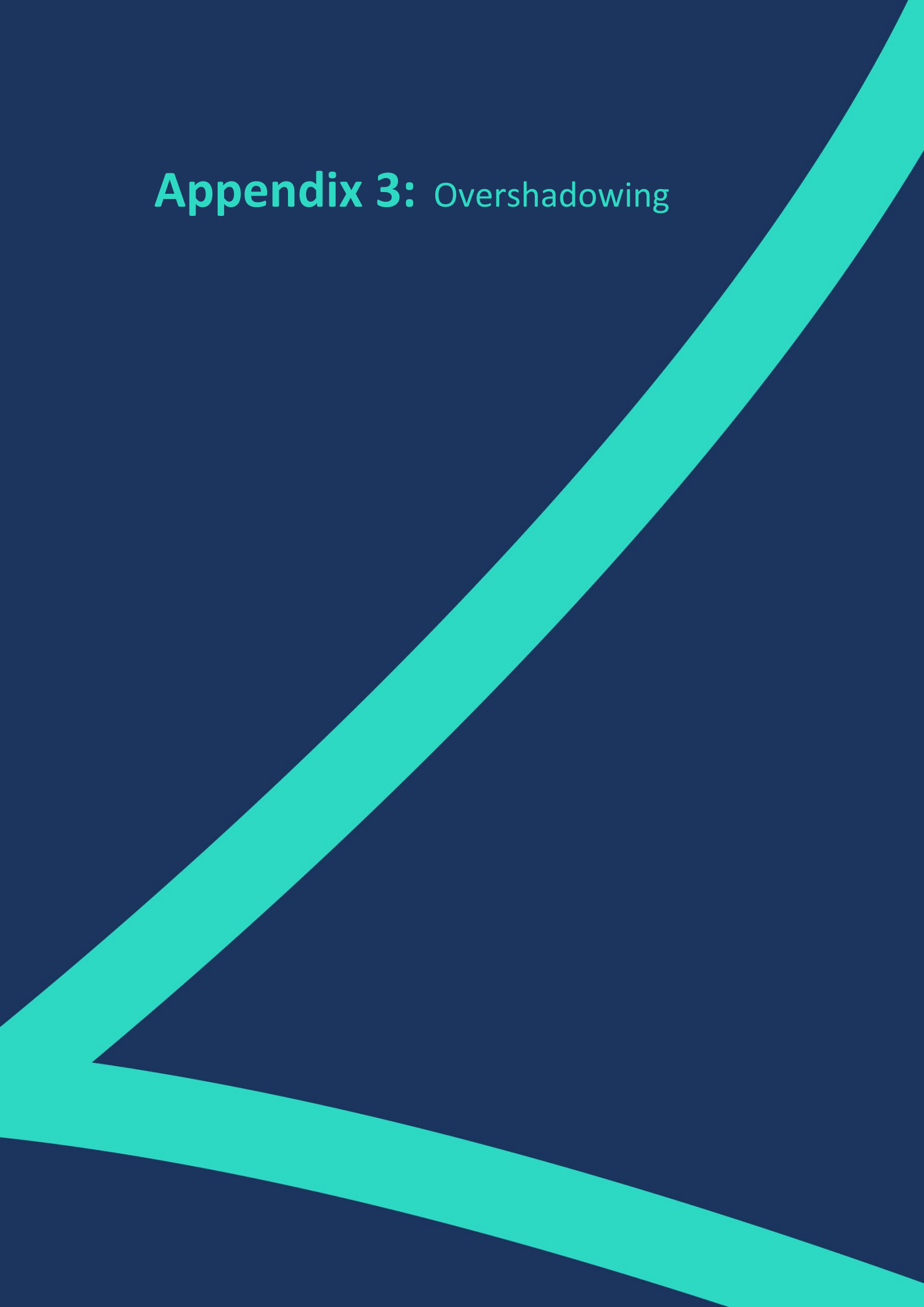
Proposed Scheme Dated 24/04/24 - Block Q

F1/3402	R1/3402	LKD	14-Mar	0.1	✗
F2/3402	R5/3402	LKD	21-Mar	0.0	✗
F3/3402	R10/3402	LKD	17-Mar	8.5	✓
F4/3402	R12/3402	LKD	14-Mar	9.6	✓
F5/3402	R14/3402	LKD	22-Feb	0.9	✗
F6/3402	R18/3402	LKD	20-Mar	1.6	✓
F1/3404	R1/3404	LKD	03-Mar	0.4	✗
F2/3404	R6/3404	LKD	15-Mar	0.4	✗
F3/3404	R10/3404	LKD	16-Mar	8.6	✓
F4/3404	R12/3404	LKD	18-Mar	9.8	✓
F5/3404	R14/3404	LKD	09-Mar	2.7	✓
F6/3404	R18/3404	LKD	20-Mar	2.6	✓

Aylesham Centre, Peckham
Proposed Scheme 24/04/24

Unit	Room	Room Use	Date	Sunlight Exposure (Hours)	Unit Complies?
					58.3%
					57.3%

Appendix 3: Overshadowing





Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed 3D Model (received 24/04/24)
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key:

- Area analysed
- Area with more than 2 hours of direct sunlight
- Area with less than 2 hours of direct sunlight

50% Percentage of area with more than 2 hours of direct sunlight

Project: Aylesham Centre Peckham

Scheme Confirmed: -

Date: -

Drawn By: JR

Scale: 1:1250 @ A3

Date: May 24

Title: BRE 2hr Sun on Ground Assessment March 21st
Proposed Scheme 24/04/24

Dwg No: P2713/SHAD/33

Rel: 28





Sources: Zmapping Ltd
3D surroundings Model (29/04/21 - 2019 Data)

Survey Info (received 10/02/22)
10042-02.rvt

dRMM Studio
Proposed 3D Model (received 24/04/24)
ASCP-DRM-ZZ-ZZ-M3-A-001500.rvt

Key:

- Area analysed
- Area with more than 2 hours of direct sunlight
- Area with less than 2 hours of direct sunlight

50% Percentage of area with more than 2 hours of direct sunlight

Project: Aylesham Centre
Peckham

Scheme Confirmed: -

Date: -

Drawn By: JR

Scale: 1:1250 @ A3

Date: May 24

Title: BRE 2hr Sun on Ground Assessment
June 21st
Proposed Scheme 24/04/24

Dwg No: P2713/SHAD/34

Rel: 28

