CAMDEN GOODS YARD

EIL APPENDIX 5.4

INTERNAL DAYLIGHT, SUNLIGHT AND OVERSHADOWING REPORT

March 2025

Unlocking potential for a better built environment

EIL APPENDIX 5.4

INTERNAL DAYLIGHT, SUNLIGHT AND OVERSHADOWING REPORT

Camden Goods Yard

S73 for Blocks C, D, E1, E2 and F

St George West London Ltd

04 March 2025

GIA No: **10766**

PROJECT DATA:

Client	**St George West London Ltd**
Architect	**Allies and Morrison + Piercy&Company**
Project Title	**Camden Goods Yard**
Project Number	**10766**

REPORT DATA:

Report Title	**Internal Daylight, Sunlight and Overshadowing Report**
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Prepared by	**VT**
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1 EXECUTIVE SUMMARY

This report accompanies the Section 73 application to the consented Camden Goods Yard development (ref. 2022/3646/P - the "March 2023 Consented Scheme").

The purpose of this report is to ascertain whether the minor amendments to Blocks C, D, E1, E2 and F will provide residential accommodation that is acceptable in terms of daylight, sunlight and overshadowing, and the effects within the rest of the masterplan.

This report contains the final assessments undertaken for all proposed habitable rooms, homes and open spaces according to the methodology and criteria set out in the BRE guidelines 'Site Layout Planning for Daylight and Sunlight a Guide to Good Practice (2022)' and EN 17037:2018 and relative UK National Annex. In addition, the buildings within the masterplan with potential to be affected by the Proposed Development have also been assessed, namely buildings A and B.

For daylight, overall 844 (85.5%) out of all 987 proposed habitable rooms would achieve the recommended levels for Median Daylight Illuminance (MDI). In addition, a further 66 (6.7%) rooms would only fall slightly short of recommendation, and so a total of 910 (92.2%) rooms are considered to offer good daylight levels in the context of this urban regeneration.

For sunlight, 259 (72.1%) out of all 359 homes would have at least a south-facing window, 273 (76.0%) would achieve at least 1.5 hours of sunlight at the equinox, and a total of 240 (66.9%) would meet both criteria. A further 21 (5.8%) homes would achieve at least 1 hour of sunlight at the equinox. As such, a total of 294 (81.9%) homes are considered to receive good sunlight exposure for an urban location.

The results above are in line with the extant consent, where compliance for daylight was 87%, and that for sunlight 71.9%. It should be noted that the percentages of compliance are not directly comparable due to the change of methodology in BRE guidelines 2022 edition, which introduced climate based methods of assessment. Nonetheless, the results show comparable levels of amenity, as it would be expected for a design similar to the consented scheme.

For overshadowing, 63% of all proposed ground floor open spaces would meet BRE guidelines, marginally better than the consented scheme (by 1%) given the slight reduction in height of the Proposed Development. All rooftop terraces would be provided with excellent levels of sunlight similar to the consented scheme, and the courtyard of Block F would retain slightly improved sunlight levels.

As to the effects of the Proposed Development upon Blocks A and B, these have been found to be negligible, mostly slightly beneficial, but not materially to alter their levels of natural light amenity significantly.

The PFS Parcel has not been assessed since it is too distant from the Proposed Development to be affected. As such, the position from the March 2023 Consented Scheme remains the same in respect of the PFS aspects.

Overall, the Proposed Development would continue to provide good levels of daylight and sunlight, in line with the extant consent.

2 INTRODUCTION

GIA has been instructed to provide a report upon the potential availability of Daylight and Sunlight within the amended buildings C, D, E1, E2 and F, and the effects on overshadowing within the masterplan and natural light amenity to buildings A and B.

The alterations of the February 2025 Proposed Development relevant for the purpose of this report include:

- Marginal increase to footprint of Block E1 (0.5m on the east, west and north elevations) to accommodate a secondary staircase;
- Minor reduction in heights of Blocks C, D, E1, E2 and F; and
- Insertion of secondary stairs to Blocks C, E1 and F, and minor tenure and unit mix changes to approved plans resulting in changes to layouts, windows and balconies.

As such, GIA has remodelled and reassessed the February 2025 Proposed Development based on BRE guidelines 2022 edition. The following assessments have been carried out:

- Daylight assessment within all proposed habitable rooms of Blocks C, D, E1, E2 and F;
- Sunlight assessment within all proposed homes in Blocks C, D, E1, E2 and F;
- Overshadowing assessment within the masterplan open spaces and proposed communal amenity areas; and
- Daylight and Sunlight impact assessments to Blocks A and B.

3 BRE GUIDELINES

The Building Research Establishment (BRE) have set out in their handbook 'Site Layout Planning for Daylight and Sunlight a Guide to Good Practice (BR 209 2022)', guidelines and methodology for the measurement and assessment of daylight and sunlight within proposed buildings.

3.1 INTRODUCTION

The BRE published the latest edition of 'Site layout planning for daylight and sunlight: a guide to good practice' in June 2022 (BR 209), This is to be read in conjunction with BS EN 17037:2018 "Daylight in buildings", the UK National Annex of the British Standard and the CIBSE publication LG 10 'Daylighting – a guide for designers'.

BR 209 contains methodologies for appraising the daylight and sunlight quality within new developments. Nonetheless, the main aim of the guidance is maintained: *"to help rather than constrain the designer"* as stated in Paragraph 1.5 of the new guidance.

The report provides advice, but also clearly states that it *"is not mandatory and the guide should not be seen as an instrument of planning policy."* The guidance also acknowledges in its introduction that *"Although it gives numerical guidelines, these should be interpreted flexibly since natural lighting is only one of many factors in site layout design (see Section 5). In special circumstances the developer or planning authority may wish to use different target values. For example, in a historic city centre, or in an area with modern high-rise buildings, a higher degree of obstruction may be unavoidable if new developments are to match the height and proportions of existing buildings."* (Paragraph 1.6)

3.2 BS EN 17037:2018 AND THE UK ANNEX

The latest European Standard on daylight is BS EN 17037:2018 "Daylight in buildings". Following a review of the this by a dedicated commission of UK experts, however, the British Standard Institution appended a UK National Annex which noted that the new recommendations "may not be achievable for some buildings, particularly dwellings" and specifically mentions dwellings in a dense urban area or with tall trees outside. The annex goes on to suggest lower recommended light levels for dwellings, in line with those of the previous version of the British Standard, BS8206-2:2008.

BS EN 17037 includes four criteria: daylighting, views, sunlight access and glare. Daylighting and sunlight access are considered relevant for residential buildings and therefore discussed within this report.

View out and Glare are not solely but mostly relevant in offices and schools, where occupants are more fixed to a certain location within a room. In residential habitable rooms, occupants tend to move more freely and therefore view out and glare are not assessed within residential buildings.

In relation to sunlight access, BS EN 17037:2018 suggests that the hours of sunlight reaching a window is considered "on a selected date between February 1st and March 21st". BR209 recommends that this date is preferably the equinox (see section 3.4).

3.3 DAYLIGHT

The BRE set out the methods for assessing daylight within a proposed building within section 2.1 and Appendix C of the handbook. This is based on the methods detailed in the BS EN 17037.

BS EN 17037 suggests two possible methodologies for appraising daylight:

- Illuminance Method
- Daylight Factor Method

These methodologies are discussed in more detail below.

Illuminance method

Climate Based Daylight Modelling (CBDM) is used to predict daylight illuminance using sun and sky conditions derived from standard meteorological data (often referred to as climate or weather data). This analytical method allows the prediction of absolute daylight illuminance based on the location and building orientation, in addition to the building's daylight systems (shading systems, for example). Annex A within the BS EN 17037 proposes values of target illuminances and minimum target illuminances to exceed 50 % of daylight hours over 50% or more of the assessment area.

BS EN 17037 sets out minimum illuminance levels (300 lux) that should be exceeded over 50% of the space for more than half of the daylight hours in the year. It also includes recommendations for medium and high daylighting levels within a space (500 lux and 700 lux respectively). It should be noted here, however, that these targets are specified irrespective of a space's use or design.

The National Annex suggests that these targets can be challenging to achieve within residential settings, particularly in areas of higher density and so suggests lower targets can be considered in this situation. It should be noted here that the reduced targets suggested within the BS EN 17037:2018 National Annex are provided so as to be comparable with the previous BR209's recommendations for ADF. These targets are:

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

It is however stated in paragraph C17 of the BRE that: "*Where a room has a shared use, the highest target should apply. For example in a bed sitting room in student accommodation, the value for a living room should be used if students would often spend time in their rooms during the day. Local authorities could use discretion here. For example, the target for a living room could be used for a combined living/dining/kitchen area if the kitchens are not treated as habitable spaces, as it may avoid small separate kitchens in a design*".

Daylight Factor method

This method involves calculating the median daylight factor on a reference plane (assessment grid).

"*The daylight factor is the illuminance at a point on the reference plane in a space, divided by the illuminance on an unobstructed horizontal surface outdoors. The CIE standard overcast sky is used, and the ratio is usually expressed as a percentage.*"

This method of assessments considers an overcast sky, and therefore the orientation and location of buildings is not relevant. In order to account for different climatic conditions, Annex A within the BS EN 17037 sets equivalent daylight factor targets (D) for various locations in Europe.

The median daylight factor (MDF) should meet or exceed the target daylight factor relative to a given illuminance for more than half of daylight hours, over 50% of the reference plane.

3.4 SUNLIGHT

The BRE provide guidance in respect of sunlight quality for new developments within section 3.1 of the handbook. It is generally acknowledged that the presence of sunlight is more significant in residential accommodation than it is in commercial properties, and this is reflected in the BRE document.

It states, *"in housing, the main requirement for sunlight is in living rooms, where it is valued at any time of the day, but especially in the afternoon. Sunlight is also required in conservatories. It is viewed as less important in bedrooms and in kitchens where people prefer it in the morning rather than the afternoon."*

The BRE guide considers the critical aspects of orientation and overshadowing in determining the availability of sunlight at a proposed development site.

The guide proposes minimising the number of dwellings whose living room face solely north unless there is some compensating factor such as an appealing view to the north, and it suggests a number of techniques to do so. Furthermore, it discusses massing solutions with a sensitive approach to overshadowing, so as to maximize access to sunlight.

At the same time, it acknowledges that the site's existing urban environment may impose orientation or overshadowing constraints which may not be possible to overcome.

To quantify sunlight access for interiors where sunlight is expected, it refers to the BS EN 17037 criterion that the minimum duration of sunlight exposure in at least one habitable room of a dwelling should be 1.5 h on March 21st. Table A.5 also establishes medium and high sunlight targets (3 and 4 hours).

This is to be checked at a reference point located centrally to the window's width and at the inner surface of the aperture (façade and/or roof). For multiple apertures in different façades it is possible to cumulate the time of sunlight availability if not occurring at the same time. The reference point is minimum 1.2 m above the floor and 0.3 m above the window sill if present.

The summary of section 3.1 of the guide states as follows:

"In general, a dwelling or non-domestic building which has a particular requirement for sunlight, will appear reasonably sunlit provided that:

- *At least one main window faces within 90 degrees of due south, and*
- *a habitable room, preferably a main living room, can receive a total of at least 1.5 hours of sunlight on 21 March. This is assessed at the inside centre of the window(s); sunlight received by different windows can be added provided they occur at different times and sunlight hours are not double counted.. "*

3.5 OVERSHADOWING

The BRE guidance in respect of overshadowing of amenity spaces is set out in section 3.3 of the handbook. Here it states as follows:

"Sunlight in the spaces between and around buildings has an important impact on the overall appearance and ambience of a development. It is valuable for a number of reasons, to:

- *provide attractive sunlit views (all year)*
- *make outdoor activities like sitting out and children's play more pleasant (mainly warmer months)*
- *encourage plant growth (mainly spring and summer)*
- *dry out the ground, reducing moss and slime (mainly in colder months)*
- *melt frost, ice and snow (in winter)*
- *dry clothes (all year).*

Again, it must be acknowledged that in urban areas the availability of sunlight on the ground is a factor which is significantly controlled by the existing urban fabric around the site in question and so may have very little to do with the form of the development itself. Likewise, there may be many other urban design, planning and site constraints which determine and run contrary to the best form, siting and location of a proposed development in terms of availability of sun on the ground.

The summary of section 3.3 of the guide states as follows:

"3. 3 .17 It is recommended that for it to appear adequately sunlit throughout the year, at least half of a garden or amenity area should receive at least two hours of sunlight on 21 March. If as a result of new development an existing garden or amenity area does not meet the above, and the area that can receive two hours of sun on 21 March is less than 0.80 times its former value, then the loss of sunlight is likely to be noticeable. If a detailed calculation cannot be carried out, it is recommended that the centre of the area should receive at least two hours of sunlight on 21 March.."

3.6 FURTHER RELEVANT INFORMATION

CIBSE LG 10 'Daylighting – a guide for designers'.

This guide details the process of designing for daylighting. It outlines considerations of form, orientation, and other aspects involved in designing the building envelope to optimise natural light.

The guidance in this document is written primarily for buildings located within the UK, and will be most applicable to projects in northern hemisphere. However, the principles are universal, and can be applied to other locations if the appropriate weather data is used and local standards and regulations are respected

4 SIMULATION ASSUMPTIONS

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

Calculation model

The three dimensional representation of the proposed development has been modelled using the drawings prepared by Allies and Morrison and Piercy & Company Architects received by GIA in February 2025. These have been placed in the context of their surrounding buildings which have been modelled from survey information, photogrammetry, OS and site photographs. This allows for a precise model, which in turn ensures that analysis accurately represents the amount of daylight and sunlight available to the building façades, internal and external spaces, considering all of the surrounding obstructions and orientation.

The weather file recorded at Gatwick Airport was considered the most relevant for this assessment.

Surfaces reflectance

In general, the reflectance value to be applied to surfaces in the computational modelling follows the BR 209 Annex C, unless specified by the design team.Assumptions applied are:

- Interior walls - 0.7
- Ceilings - 0.8
- Floors - 0.4
- Exterior ground and external obstructions - 0.2

Assessment Grids

For the daylight assessments, an analysis 'grid' is located within each room at working plane height (850 mm from FFL) and offset by 0.3m from the walls as recommended by BR 209.

Grid points are spaced by 0.2m .

Assessment Resolution

The climate-based daylight assessments have been undertaken on an hourly basis whilst the sunlight exposure assessment has been undertaken for every minute on the relevant days.

Glazing transmittance

A glazing visible light transmittance (VLT) of 75% has been used in line with previous assessments. A framing factor has been taken from the elevations supplied. Maintenance factors have been applied as per BR209 with 0.92 for windows not beneath an overhang and 0.76 for windows beneath an overhang.

The final transmittance values are shown in the table below.

	BS EN 17037:2018						
	Glazing Type	TV Normal	Building Type & Atmosphere (NA.2)	Glazing Exposure (NA.3)	Glazing Dirt/Weathering (NA.4)	Framing Factor	TV Total
	Type 1	0.75	Urban (8)	Vertical (x1)	Not Sheltered (x1)	0.85	0.59
	Type 2	0.75	Urban (8)	Vertical (x1)	Sheltered (x3)	0.85	0.48
	Type 3	0.75	Urban (8)	Vertical (x1)	Not Sheltered (x1)	0.80	0.55
	Type 4	0.75	Urban (8)	Vertical (x1)	Sheltered (x3)	0.80	0.46
	Type 5	0.75	Urban (8)	Vertical (x1)	Not Sheltered (x1)	0.75	0.52
	Type 6	0.75	Urban (8)	Vertical (x1)	Sheltered (x3)	0.75	0.43
	Type 7	0.75	Urban (8)	Vertical (x1)	Not Sheltered (x1)	0.70	0.48
	Type 8	0.75	Urban (8)	Vertical (x1)	Sheltered (x3)	0.70	0.40

Table 01: Transmittance and maintenance factors

4.1 GLASS TYPES - WINDOW MAPS

Fig. 01: South-west view - Block C

Fig. 02: North-east view - Block C

Fig. 03: South-west view - Block D

Fig. 04: North-east view- Block D

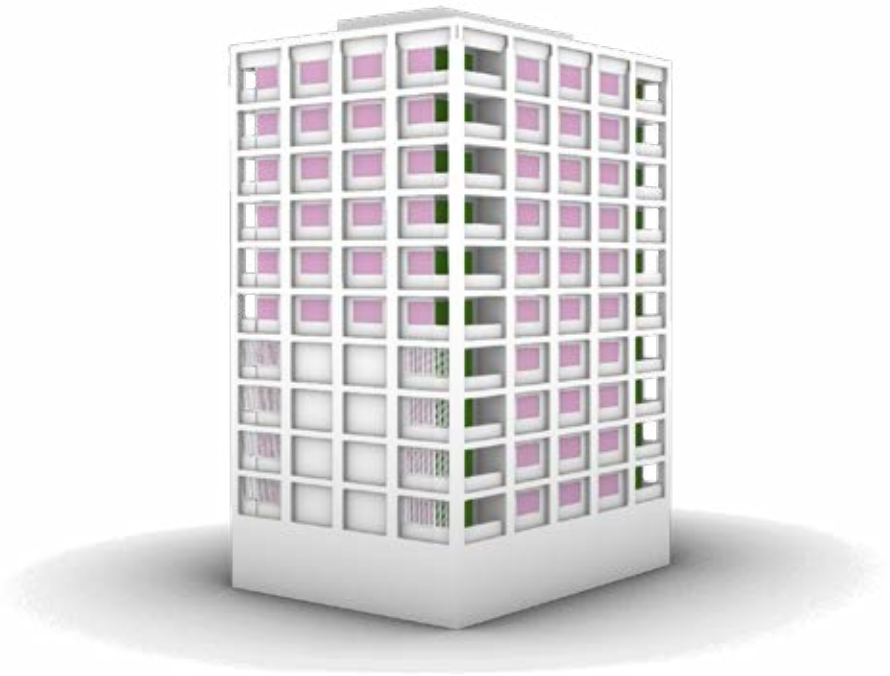


Fig. 05: South-east view - Block E1

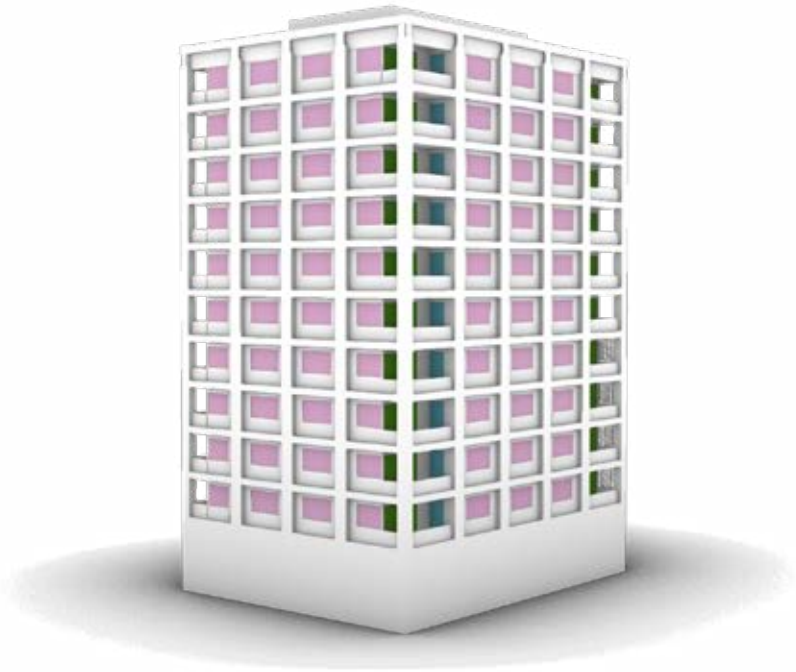


Fig. 06: North-west view - Block E1

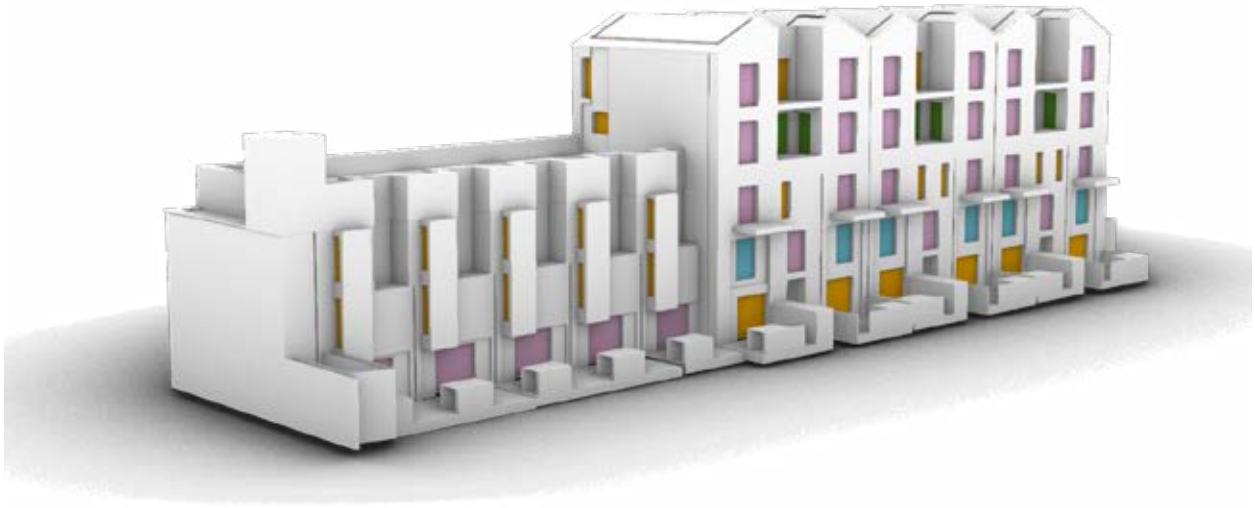


Fig. 07: South-west view - Block E2

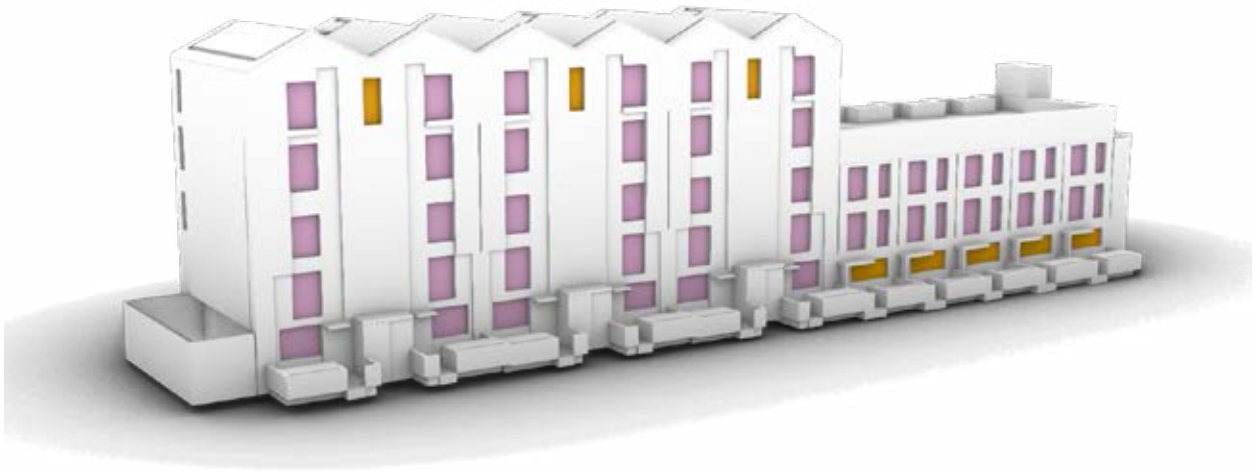


Fig. 08: North-east view- Block E2

Fig. 09: South-west view - Block F

Fig. 10: North-east view - Block F

5 CONCLUSIONS

5.1 CONCLUSIONS ON DAYLIGHT

To ascertain the levels of daylight for the residential accommodation in Blocks C, D, E1, E2 and F, technical assessments have been undertaken within all proposed habitable rooms.

All proposed habitable rooms have been tested for Median Daylight Illuminance (MDI) according to the targets set out in the UK National Annex of BS EN 17037:2018, which represents the amount of light (measured in lux) achieved in each room for over 50% of its space and for more than half of the daylight hours in the year.

Overall, 844 (85.5%) out of all 987 proposed habitable rooms would achieve the minimum levels of MDI recommended by the BRE. This figure considers the highest 200 lux for combined Living/Kitchen/Dining spaces (LKDs).

In addition to the above, 25 (2.5%) LKDs or studios would achieve the recommendation of 150 lux for living rooms, which BRE recognise may be used as an alternative target for living spaces where kitchens are not treated as habitable spaces (to avoid small separate kitchens in the design).

A further 19 (1.9%) LKDs, studios, living rooms or study rooms and 17 (1.7%) bedrooms would fall slightly below guidelines (i.e. they have an MDI of at least 120 lux and 80 lux respectively, less than 20% from the recommended targets). Five (0.5%) kitchens also fall short of recommendation minorly, with levels of light over 150 lux.

Therefore, 910 (92.2%) out of all 987proposed habitable rooms are considered to offer very good daylight levels overall in the context of this urban regeneration.

Of the rooms seeing lower levels of light, 66 (6.7%) are living spaces (LKDs, studios, living rooms or study rooms), 7 (0.7%) are bedrooms and four (0.4%) are kitchens. These rooms are located on the lowest floors where a higher level of obstruction naturally occurs. In addition, all living spaces are provided with balconies, which deliver valuable private outdoor amenity space whilst reducing light ingress by acting as shading devices; this however also helps mitigate overheating risk.

The windows serving these rooms have been optimised in size, and overall good design practices have been implemented within these rooms to mitigate the lower levels of light available.

The results above are in line with the extant consent, where compliance for Average Daylight Factor (ADF) was 87%. It should be noted that the percentage of compliance is not directly comparable due to the change of methodology in BRE guidelines 2022 edition, which introduced a climate based method of assessment. Nonetheless, the results show comparable levels of amenity, as it would be expected for a design similar to the consented scheme.

The design reflects the good design principles implemented in the extant consent and would still provide the vast majority of units with excellent daylight amenity. In the few areas where lower daylight is available, as is common in the urban environment and as also identified in the consented scheme, the design has sought to find a balance between daylight and the provision of private amenity in the form of balconies, which offset any deficiencies in daylight provision. As a result, despite seeing daylight levels below recommendation, the few rooms located in these areas can still be considered acceptably daylit given their optimised layouts.

Therefore, it is considered that the revised design of Blocks C, D, E1, E2 and F proposed within the Proposed Development application will provide future residents with good daylight amenity overall.

5.2 CONCLUSIONS ON SUNLIGHT

All rooms within all proposed homes have been tested for orientation and solar exposure. BRE guidelines recommend at least one main window facing within 90° of due south and 1.5 hours of sunlight on 21st March for at least one room in each home. As such, once the assessments have been carried out per room the results have been interrogated per home.

Overall, 259 (72.1%) out of all 359 homes would have at least a south-facing window, 273 (76.0%) would achieve at least 1.5 hours of sunlight at the equinox, and a total of 240 (66.9%) would meet both criteria.

A further 21 (5.8%) homes would achieve at least 1 hour of sunlight at the equinox, 9 of which have a south-facing window.

As such, a total of 294 (81.9%) homes are considered to receive good sunlight exposure for an urban location.

These results are also in line with the extant consent, where compliance for sunlight was 71.9%. As per the daylight results, it should be noted that the percentage of compliance is not directly comparable due to the change of methodology in BRE guidelines 2022 edition.

The occurrence of sunlight levels lower than recommended in a few units is typical of an urban environment, especially for rooms on the lowest floors which are provided with balconies. As set out in the previous section, this is a trade-off of amenities in an urban environment.

Overall, the scheme will provide future occupants with acceptable levels of sunlight, in line with those of the consented scheme.

5.3 CONCLUSIONS ON OVERSHADOWING

All proposed opens spaces within the Masterplan with potential to be affected by the Proposed Development have been tested for Sun Hours on Ground.

The BRE test for the ground floor open spaces show that, overall, 63% of their area would receive two or more hours of sunlight on 21st March, providing excellent sunlight amenity to all future residents. This result is just marginally better than the consented scheme (by 1%) given the slight reduction in height of the Proposed Development. The exposure diagrams on pages 101-102 show comparable results with the consented scheme.

The communal open spaces in Blocks C and D would far exceed BRE recommendation, providing excellent sunlight amenity, in line with the consented results.

The central courtyard of Block F would remain below guidelines despite achieving slightly better levels of sunlight, with 15% of its areas seeing two or more hours of sunlight at the equinox against 12.5% of the consented scheme. This area is primarily intended to provide visual amenity, and residents would still be able to enjoy much higher levels of sunlight through the use of rooftop terraces in this building, which far exceed guidelines, and all other open spaces within the masterplan.

In conclusion, it is considered that the Proposed Development will provide future residents and users with access to excellent sunlight amenity overall, in line with the consented scheme.

5.4 CONCLUSIONS ON EFFECTS TO BLOCKS A AND B

Being located in close proximity to the Proposed Development, daylight and sunlight within Blocks A and B have potential to be affected by the proposed minor massing alterations of Blocks C, D, E1, E2 and F.

To gauge the effects on these buildings, technical assessments have been carried out on the windows facing the Proposed Development.

For daylight, Vertical Sky Component (VSC) has been tested in the consented and proposed scenarios to quantify any alterations. The assessments show negligible changes to all windows, mostly beneficial given the reduction in height of the proposal, unlikely to affect daylight amenity in the rooms they serve.

For sunlight, sun exposure has also been tested in the consented and proposed scenarios and equally show negligible beneficial effects.

As such, the proposed minor material amendments to Blocks C, D, E1, E2 and F would not materially daylight and sunlight amenity of buildings A and B.

6 SITE OVERVIEWS

Fig. 11: Top view

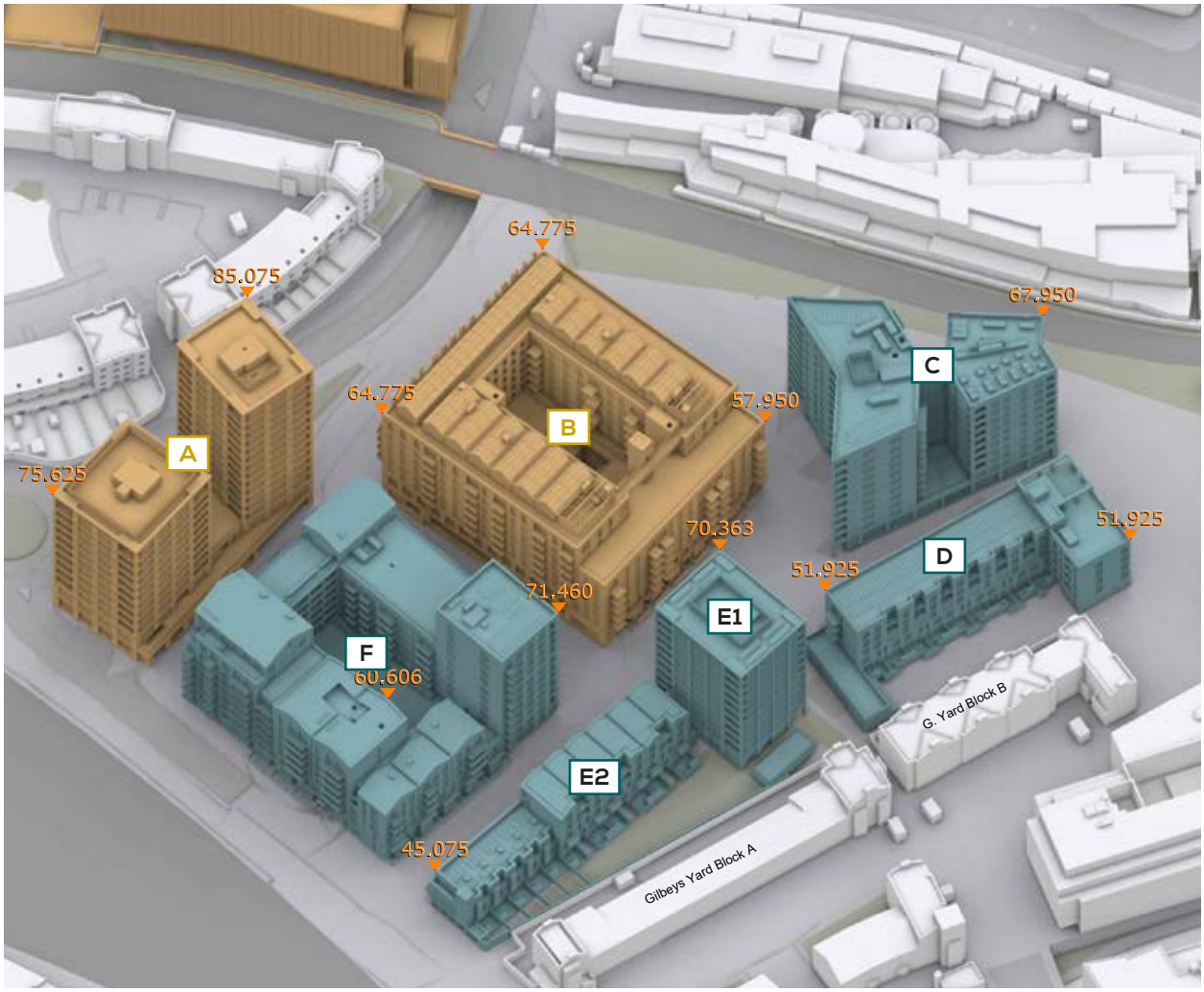


Fig. 12: 3d-view

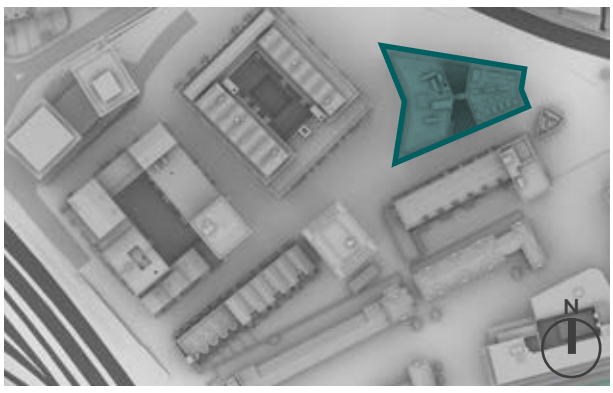
7 INTERNAL DAYLIGHT AND SUNLIGHT ASSESSMENTS

Block C Level 1

			DAYLIGHT			SUNLIGHT BY ROOM	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)		WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKC - LEVEL 01							
1001	CCCA	LIVING ROOM	454	150		NO	00:00
1002	CCCA	BEDROOM	124	100		YES	01:08
1003	CCCA	BEDROOM	125	100		YES	01:50
1004	CCCB	BEDROOM	125	100		YES	02:07
1005	CCCB	L/K/D	89	200		YES	00:48
1006	CCCC	L/K/D	83	200		NO	00:00
1007	CCCC	BEDROOM	150	100		NO	01:12
1008	CCCD	BEDROOM	132	100		NO	01:08
1009	CCCD	BEDROOM	163	100		NO	00:51
1010	CCCD	LIVING ROOM	296	150		YES	02:46
1011	CCCE	L/K/D	201	200		YES	03:12
1012	CCCE	BEDROOM	128	100		YES	00:37
1013	CCCE	BEDROOM	90	100		YES	00:30
1014	CCCF	BEDROOM	200	100		NO	00:00
1015	CCCF	BEDROOM	226	100		NO	00:00
1016	CCCF	L/K/D	419	200		NO	00:00
1017	CCCG	L/K/D	451	200		NO	00:00
1018	CCCG	BEDROOM	153	100		NO	00:00
1019	CCCH	BEDROOM	122	100		YES	01:33
1020	CCCH	L/K/D	195	200		YES	04:34
1021	CCCI	BEDROOM	111	100		YES	02:41
1022	CCCI	BEDROOM	148	100		YES	03:27
1023	CCCI	LIVING ROOM	584	150		YES	04:48
1024	CCCJ	LIVING ROOM	647	150		NO	02:38
1025	CCCJ	BEDROOM	297	100		NO	00:00
1026	CCCJ	BEDROOM	254	100		NO	00:00

Table 01: Assessment Data

Fig. 13: Floor Plan



Block C Level 2

ROOM REF.	FLAT	ROOM USE	DAYLIGHT: MEDIAN DAYLIGHT ILLUMINANCE (lux)	DAYLIGHT: TARGET (lux)	SUNLIGHT BY ROOM: WINDOW WITHIN 90° DUE SOUTH	SUNLIGHT BY ROOM: 21 MAR
BLOCKC – LEVEL 02						
1027	CCCK	LIVING ROOM	486	150	NO	00:00
1028	CCCK	BEDROOM	138	100	YES	01:21
1029	CCCK	BEDROOM	140	100	YES	01:50
1030	CCCL	BEDROOM	139	100	YES	02:10
1031	CCCL	L/K/D	99	200	YES	00:57
1032	CCCM	L/K/D	90	200	NO	00:00
1033	CCCM	BEDROOM	166	100	NO	01:27
1034	CCCN	BEDROOM	148	100	NO	01:24
1035	CCCN	BEDROOM	183	100	NO	01:09
1036	CCCN	LIVING ROOM	383	150	YES	05:05
1037	CCCO	L/K/D	245	200	YES	05:35
1038	CCCO	BEDROOM	139	100	YES	00:51
1039	CCCO	BEDROOM	113	100	YES	01:22
1040	CCCP	BEDROOM	221	100	NO	00:00
1041	CCCP	BEDROOM	237	100	NO	00:00
1042	CCCP	L/K/D	446	200	NO	00:00
1043	CCCQ	L/K/D	391	200	NO	00:00
1044	CCCQ	BEDROOM	166	100	NO	00:00
1045	CCCR	BEDROOM	146	100	YES	01:33
1046	CCCR	L/K/D	178	200	YES	05:10
1047	CCCS	BEDROOM	140	100	YES	03:38
1048	CCCS	BEDROOM	178	100	YES	04:36
1049	CCCS	LIVING ROOM	635	150	YES	06:17
1050	CCCT	LIVING ROOM	693	150	NO	03:04
1051	CCCT	BEDROOM	320	100	NO	00:00
1052	CCCT	BEDROOM	274	100	NO	00:00

Fig. 14: Floor Plan

Block C Level 3

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKC - LEVEL 03						
1053	CCCU	LIVING ROOM	521	150	NO	00:00
1054	CCCU	BEDROOM	160	100	YES	01:21
1055	CCCU	BEDROOM	157	100	YES	02:06
1056	CCCV	BEDROOM	157	100	YES	02:26
1057	CCCV	L/K/D	110	200	YES	01:07
1058	CCCW	L/K/D	100	200	NO	00:04
1059	CCCW	BEDROOM	190	100	NO	01:38
1060	CCCX	BEDROOM	170	100	NO	01:40
1061	CCCX	BEDROOM	210	100	NO	01:28
1062	CCCX	LIVING ROOM	512	150	YES	07:22
1063	CCCY	L/K/D	337	200	YES	07:24
1064	CCCY	BEDROOM	177	100	YES	01:39
1065	CCCY	BEDROOM	140	100	YES	02:23
1066	CCCZ	BEDROOM	234	100	NO	00:00
1067	CCCZ	BEDROOM	249	100	NO	00:00
1068	CCCZ	L/K/D	470	200	NO	00:00
1069	CCDA	L/K/D	407	200	NO	00:00
1070	CCDA	BEDROOM	173	100	NO	00:00
1071	CCDB	BEDROOM	171	100	YES	01:33
1072	CCDB	L/K/D	257	200	YES	06:57
1073	CCDC	BEDROOM	190	100	YES	05:51
1074	CCDC	BEDROOM	234	100	YES	06:37
1075	CCDC	LIVING ROOM	681	150	YES	07:48
1076	CCDD	LIVING ROOM	726	150	NO	03:25
1077	CCDD	BEDROOM	335	100	NO	00:00
1078	CCDD	BEDROOM	290	100	NO	00:00

Fig. 15: Floor Plan

Block C Level 4

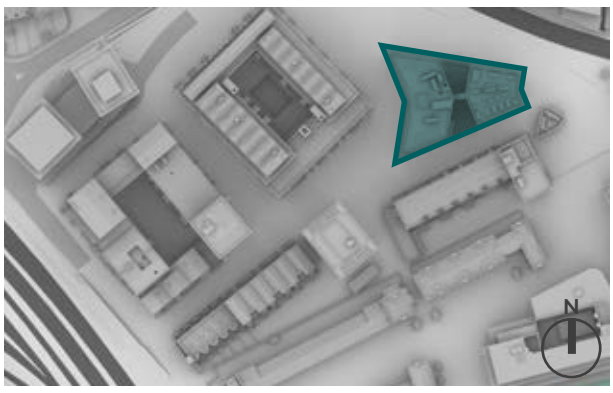
ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKC - LEVEL 04						
1079	CCDE	LIVING ROOM	564	150	NO	00:05
1080	CCDE	BEDROOM	199	100	YES	02:26
1081	CCDE	BEDROOM	187	100	YES	02:10
1082	CCDF	BEDROOM	187	100	YES	02:36
1083	CCDF	L/K/D	125	200	YES	01:19
1084	CCDG	L/K/D	111	200	NO	00:13
1085	CCDG	BEDROOM	217	100	NO	01:44
1086	CCDH	BEDROOM	198	100	NO	01:50
1087	CCDH	BEDROOM	240	100	NO	01:51
1088	CCDH	LIVING ROOM	683	150	YES	08:30
1089	CCDI	L/K/D	450	200	YES	07:44
1090	CCDI	BEDROOM	228	100	YES	02:44
1091	CCDI	BEDROOM	174	100	YES	02:23
1092	CCDJ	BEDROOM	245	100	NO	00:00
1093	CCDJ	BEDROOM	262	100	NO	00:00
1094	CCDJ	L/K/D	492	200	NO	00:00
1095	CCDK	L/K/D	424	200	NO	00:00
1096	CCDK	BEDROOM	183	100	NO	00:00
1097	CCDL	BEDROOM	193	100	YES	01:33
1098	CCDL	L/K/D	381	200	YES	08:12
1099	CCDM	BEDROOM	264	100	YES	06:37
1100	CCDM	BEDROOM	319	100	YES	06:37
1101	CCDM	LIVING ROOM	769	150	YES	08:05
1102	CCDN	LIVING ROOM	761	150	NO	03:25
1103	CCDN	BEDROOM	350	100	NO	00:00
1104	CCDN	BEDROOM	301	100	NO	00:00

Fig. 16: Floor Plan

Block C Level 5

ROOM REF.	FLAT	ROOM USE	DAYLIGHT: MEDIAN DAYLIGHT ILLUMINANCE (lux)	DAYLIGHT: TARGET (lux)	SUNLIGHT BY ROOM: WINDOW WITHIN 90° DUE SOUTH	SUNLIGHT BY ROOM: 21 MAR
BLOCKC – LEVEL 05						
1105	CCDO	LIVING ROOM	632	150	NO	00:08
1106	CCDO	BEDROOM	250	100	YES	02:35
1107	CCDO	BEDROOM	225	100	YES	02:55
1108	CCDP	BEDROOM	223	100	YES	03:06
1109	CCDP	L/K/D	146	200	YES	01:41
1110	CCDQ	L/K/D	130	200	NO	00:18
1111	CCDQ	BEDROOM	247	100	NO	01:54
1112	CCDR	BEDROOM	230	100	NO	01:59
1113	CCDR	BEDROOM	276	100	NO	02:06
1114	CCDR	LIVING ROOM	818	150	YES	09:26
1115	CCDS	L/K/D	538	200	YES	08:40
1116	CCDS	BEDROOM	271	100	YES	02:44
1117	CCDS	BEDROOM	205	100	YES	02:23
1118	CCDT	BEDROOM	256	100	NO	00:00
1119	CCDT	BEDROOM	275	100	NO	00:00
1120	CCDT	L/K/D	512	200	NO	00:00
1121	CCDU	L/K/D	441	200	NO	00:00
1122	CCDU	BEDROOM	191	100	NO	00:00
1123	CCDV	BEDROOM	217	100	YES	01:33
1124	CCDV	L/K/D	484	200	YES	08:12
1125	CCDW	BEDROOM	332	100	YES	06:37
1126	CCDW	BEDROOM	399	100	YES	06:37
1127	CCDW	LIVING ROOM	839	150	YES	08:05
1128	CCDX	LIVING ROOM	789	150	NO	03:25
1129	CCDX	BEDROOM	360	100	NO	00:00
1130	CCDX	BEDROOM	313	100	NO	00:00

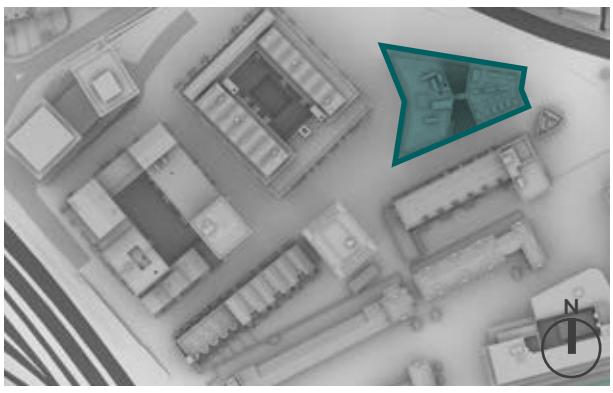
Fig. 17: Floor Plan



Block C Level 6

ROOM REF.	FLAT	ROOM USE	DAYLIGHT: MEDIAN DAYLIGHT ILLUMINANCE (lux)	DAYLIGHT: TARGET (lux)	SUNLIGHT BY ROOM: WINDOW WITHIN 90° DUE SOUTH	SUNLIGHT BY ROOM: 21 MAR
BLOCKC – LEVEL 06						
1131	CCDY	LIVING ROOM	709	150	NO	00:30
1132	CCDY	BEDROOM	300	100	YES	02:45
1133	CCDY	BEDROOM	264	100	YES	03:13
1134	CCDZ	BEDROOM	263	100	YES	03:16
1135	CCDZ	L/K/D	169	200	YES	01:42
1136	CCEA	L/K/D	153	200	NO	00:46
1137	CCEA	BEDROOM	278	100	NO	02:01
1138	CCEB	BEDROOM	260	100	NO	02:08
1139	CCEB	BEDROOM	311	100	NO	02:14
1140	CCEB	LIVING ROOM	922	150	YES	10:15
1141	CCEC	L/K/D	584	200	YES	08:41
1142	CCEC	BEDROOM	303	100	YES	02:44
1143	CCEC	BEDROOM	227	100	YES	02:23
1144	CCED	BEDROOM	269	100	NO	00:00
1145	CCED	BEDROOM	286	100	NO	00:00
1146	CCED	L/K/D	532	200	NO	00:00
1147	CCEE	L/K/D	456	200	NO	00:00
1148	CCEE	BEDROOM	203	100	NO	00:00
1149	CCEF	BEDROOM	238	100	YES	01:33
1150	CCEF	L/K/D	543	200	YES	08:12
1151	CCEG	BEDROOM	379	100	YES	06:37
1152	CCEG	BEDROOM	451	100	YES	06:37
1153	CCEG	LIVING ROOM	877	150	YES	08:05
1154	CCEH	LIVING ROOM	813	150	NO	03:25
1155	CCEH	BEDROOM	373	100	NO	00:00
1156	CCEH	BEDROOM	327	100	NO	00:00

Fig. 18: Floor Plan



Block C Level 7

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKC – LEVEL 07						
1157	CCEI	LIVING ROOM	775	150	NO	01:20
1158	CCEI	BEDROOM	346	100	YES	03:04
1159	CCEI	BEDROOM	300	100	YES	03:19
1160	CCEJ	BEDROOM	300	100	YES	03:36
1161	CCEJ	L/K/D	195	200	YES	01:50
1162	CCEK	L/K/D	182	200	NO	00:48
1163	CCEK	BEDROOM	312	100	NO	02:29
1164	CCEL	BEDROOM	292	100	NO	02:18
1165	CCEL	BEDROOM	346	100	NO	02:26
1166	CCEL	LIVING ROOM	1011	150	YES	10:23
1167	CCEM	L/K/D	629	200	YES	08:41
1168	CCEM	BEDROOM	329	100	YES	02:44
1169	CCEM	BEDROOM	250	100	YES	02:23
1170	CCEN	BEDROOM	286	100	NO	00:00
1171	CCEN	BEDROOM	304	100	NO	00:00
1172	CCEN	L/K/D	550	200	NO	00:00
1173	CCEO	L/K/D	470	200	NO	00:00
1174	CCEO	BEDROOM	219	100	NO	00:00
1175	CCEP	BEDROOM	267	100	YES	01:31
1176	CCEP	L/K/D	579	200	YES	08:12
1177	CCEQ	BEDROOM	407	100	YES	06:37
1178	CCEQ	BEDROOM	473	100	YES	06:37
1179	CCEQ	LIVING ROOM	903	150	YES	08:05
1180	CCER	LIVING ROOM	830	150	NO	03:25
1181	CCER	BEDROOM	384	100	NO	00:00
1182	CCER	BEDROOM	339	100	NO	00:00

Fig. 19: Floor Plan

Block C Level 8

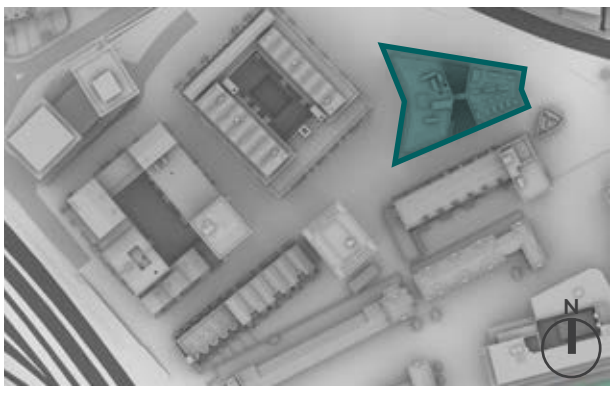
ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKC - LEVEL 08						
1183	CCES	LIVING ROOM	841	150	NO	02:04
1184	CCES	BEDROOM	385	100	YES	03:56
1185	CCES	BEDROOM	333	100	YES	03:48
1186	CCET	BEDROOM	337	100	YES	03:56
1187	CCET	L/K/D	221	200	YES	02:21
1188	CCEU	L/K/D	211	200	NO	00:57
1189	CCEU	BEDROOM	342	100	NO	02:39
1190	CCEV	BEDROOM	322	100	NO	02:46
1191	CCEV	BEDROOM	378	100	NO	02:39
1192	CCEV	LIVING ROOM	1107	150	YES	10:31
1193	CCEW	L/K/D	668	200	YES	08:41
1194	CCEW	BEDROOM	370	100	YES	02:44
1195	CCEW	BEDROOM	276	100	YES	02:23
1196	CCEX	BEDROOM	314	100	NO	00:00
1197	CCEX	BEDROOM	345	100	NO	00:00
1198	CCEX	L/K/D	573	200	NO	00:00
1199	CCEY	L/K/D	487	200	NO	00:00
1200	CCEY	BEDROOM	246	100	NO	00:00
1201	CCEZ	BEDROOM	303	100	YES	01:46
1202	CCEZ	L/K/D	612	200	YES	08:12
1203	CCFA	BEDROOM	425	100	YES	06:37
1204	CCFA	BEDROOM	490	100	YES	06:37
1205	CCFA	LIVING ROOM	926	150	YES	08:05
1206	CCFB	LIVING ROOM	847	150	NO	03:25
1207	CCFB	BEDROOM	398	100	NO	00:00
1208	CCFB	BEDROOM	347	100	NO	00:00

Fig. 20: Floor Plan

Block C Level 9

ROOM REF.	FLAT	ROOM USE	DAYLIGHT: MEDIAN DAYLIGHT ILLUMINANCE (lux)	DAYLIGHT: TARGET (lux)	SUNLIGHT BY ROOM: WINDOW WITHIN 90° DUE SOUTH	SUNLIGHT BY ROOM: 21 MAR
BLOCKC – LEVEL 09						
1209	CCFC	LIVING ROOM	749	150	YES	04:26
1210	CCFC	BEDROOM	322	100	YES	04:32
1211	CCFC	BEDROOM	370	100	YES	04:22
1212	CCFC	BEDROOM	397	100	YES	02:39
1213	CCFD	BEDROOM	384	100	NO	01:35
1214	CCFD	BEDROOM	368	100	NO	02:47
1215	CCFD	BEDROOM	315	100	NO	02:55
1216	CCFD	LIVING ROOM	918	150	YES	11:30
1217	CCFE	L/K/D	738	200	YES	08:41
1218	CCFE	BEDROOM	485	100	YES	03:22
1219	CCFE	BEDROOM	320	100	YES	02:07
1220	CCFF	BEDROOM	373	100	NO	01:07
1221	CCFF	BEDROOM	436	100	NO	00:48
1222	CCFF	L/K/D	628	200	NO	01:13
1223	CCFG	L/K/D	505	200	NO	00:00
1224	CCFG	BEDROOM	282	100	NO	00:00
1225	CCFH	BEDROOM	350	100	YES	02:18
1226	CCFH	L/K/D	641	200	YES	08:16
1227	CCFI	BEDROOM	433	100	YES	06:37
1228	CCFI	BEDROOM	508	100	YES	06:37
1229	CCFI	LIVING ROOM	958	150	YES	08:05
1230	CCFJ	LIVING ROOM	866	150	NO	03:25
1231	CCFJ	BEDROOM	405	100	NO	00:00
1232	CCFJ	BEDROOM	354	100	NO	00:00

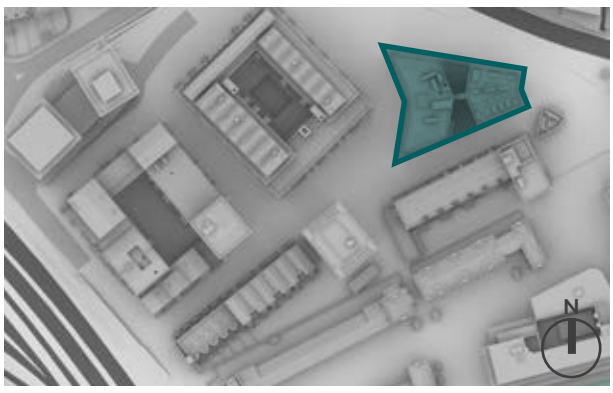
Fig. 21: Floor Plan



Block C Level 10

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKC – LEVEL 10						
1233	CCFK	LIVING ROOM	799	150	YES	04:34
1234	CCFK	BEDROOM	354	100	YES	04:44
1235	CCFK	BEDROOM	405	100	YES	04:49
1236	CCFK	BEDROOM	425	100	YES	03:04
1237	CCFL	BEDROOM	409	100	NO	01:44
1238	CCFL	BEDROOM	390	100	NO	03:09
1239	CCFL	BEDROOM	335	100	NO	03:10
1240	CCFL	LIVING ROOM	965	150	YES	11:39
1241	CCFM	L/K/D	885	200	YES	08:41
1242	CCFM	BEDROOM	594	100	YES	04:54
1243	CCFM	BEDROOM	379	100	YES	04:54
1244	CCFN	BEDROOM	448	100	NO	03:01
1245	CCFN	BEDROOM	556	100	NO	02:32
1246	CCFN	L/K/D	758	200	NO	03:33

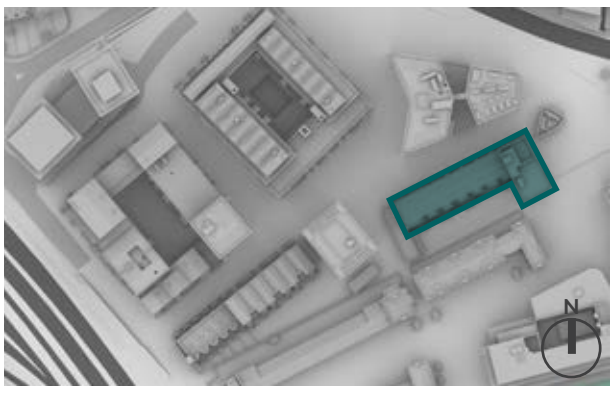
Fig. 22: Floor Plan



Block D Level 0

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKD - LEVEL 00						
2000	DDDA	L/K/D	207	200	YES	04:38
2001	DDDB	L/K/D	257	200	YES	06:02
2002	DDDC	L/K/D	248	200	YES	05:21
2003	DDDD	L/K/D	242	200	YES	06:30
2004	DDDE	L/K/D	235	200	YES	05:55
2005	DDDF	L/K/D	240	200	YES	06:29
2006	DDDG	L/K/D	241	200	YES	06:37
2007	DDDH	L/K/D	237	200	YES	06:04
2008	DDDI	L/K/D	217	200	YES	04:22

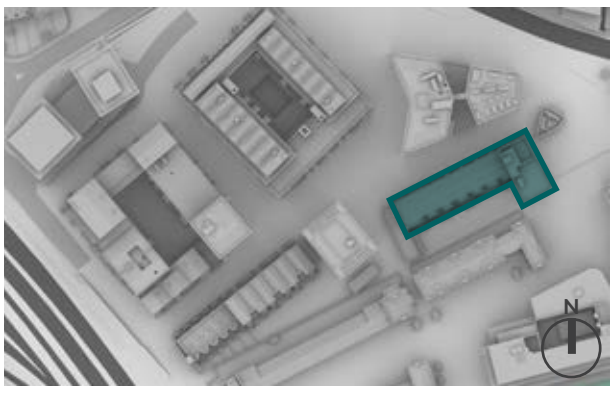
Fig. 23: Floor Plan



Block D Level 1

ROOM REF.	FLAT	ROOM USE	DAYLIGHT: MEDIAN DAYLIGHT ILLUMINANCE (lux)	DAYLIGHT: TARGET (lux)	SUNLIGHT BY ROOM: WINDOW WITHIN 90° DUE SOUTH	SUNLIGHT BY ROOM: 21 MAR
BLOCKD - LEVEL 01						
2009	DDDA	BEDROOM	184	100	NO	00:00
2010	DDDA	BEDROOM	233	100	NO	00:00
2011	DDDA	BEDROOM	303	100	YES	06:06
2012	DDDB	BEDROOM	252	100	NO	00:00
2013	DDDB	BEDROOM	177	100	NO	00:00
2014	DDDB	BEDROOM	337	100	YES	06:25
2015	DDDC	BEDROOM	165	100	NO	00:00
2016	DDDC	BEDROOM	209	100	NO	00:00
2017	DDDC	BEDROOM	304	100	YES	06:24
2018	DDDD	BEDROOM	192	100	NO	00:00
2019	DDDD	BEDROOM	147	100	NO	00:00
2020	DDDD	BEDROOM	342	100	YES	06:03
2021	DDDE	BEDROOM	142	100	NO	00:00
2022	DDDE	BEDROOM	170	100	NO	00:00
2023	DDDE	BEDROOM	306	100	YES	06:03
2024	DDDF	BEDROOM	180	100	NO	00:00
2025	DDDF	BEDROOM	128	100	NO	00:00
2026	DDDF	BEDROOM	355	100	YES	06:17
2027	DDDG	BEDROOM	126	100	NO	00:00
2028	DDDG	BEDROOM	160	100	NO	00:00
2029	DDDG	BEDROOM	315	100	YES	06:12
2030	DDDH	BEDROOM	155	100	NO	00:00
2031	DDDH	BEDROOM	127	100	NO	00:00
2032	DDDH	BEDROOM	324	100	YES	04:35
2033	DDDI	BEDROOM	121	100	NO	00:00
2034	DDDI	BEDROOM	164	100	NO	00:00
2035	DDDI	BEDROOM	283	100	YES	03:51
2036	DDDJ	BEDROOM	414	100	YES	03:15
2037	DDDJ	L/K/D	326	200	YES	08:08
2038	DDDK	L/K/D	396	200	YES	05:14
2039	DDDK	BEDROOM	385	100	NO	00:00
2040	DDDK	BEDROOM	331	100	NO	00:00
2041	DDDL	BEDROOM	392	100	NO	00:23
2042	DDDL	L/K/D	369	200	NO	00:42

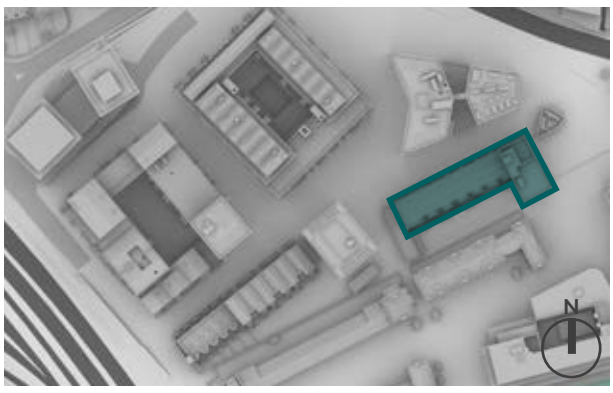
Fig. 24: Floor Plan



Block D Level 2

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKD - LEVEL 02						
2043	DDDM	L/K/D	230	200	YES	00:24
2044	DDDM	BEDROOM	518	100	YES	06:25
2045	DDDM	BEDROOM	373	100	YES	06:25
2046	DDDN	L/K/D	87	200	YES	01:07
2047	DDDN	BEDROOM	309	100	YES	06:25
2048	DDDO	L/K/D	87	200	YES	01:07
2049	DDDO	BEDROOM	307	100	YES	06:25
2050	DDDP	L/K/D	111	200	YES	01:07
2051	DDDP	BEDROOM	308	100	YES	06:25
2052	DDDQ	L/K/D	109	200	YES	01:07
2053	DDDQ	BEDROOM	314	100	YES	06:06
2054	DDDR	L/K/D	105	200	YES	01:07
2055	DDDR	BEDROOM	305	100	YES	04:46
2056	DDDS	L/K/D	100	200	YES	00:00
2057	DDDS	BEDROOM	248	100	YES	02:58
2058	DDDT	BEDROOM	457	100	YES	03:20
2059	DDDT	L/K/D	444	200	YES	08:32
2060	DDDU	L/K/D	422	200	YES	05:39
2061	DDDU	BEDROOM	419	100	NO	00:22
2062	DDDU	BEDROOM	367	100	NO	00:22
2063	DDDV	BEDROOM	437	100	NO	01:02
2064	DDDV	L/K/D	435	200	NO	00:58

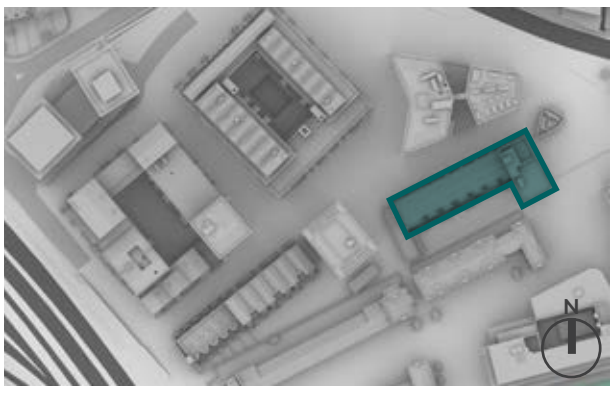
Fig. 25: Floor Plan



Block D Level 3

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKD - LEVEL 03						
2065	DDDW	L/K/D	257	200	YES	00:24
2066	DDDW	BEDROOM	562	100	YES	06:25
2067	DDDW	BEDROOM	408	100	YES	06:25
2068	DDDX	L/K/D	142	200	YES	01:07
2069	DDDX	BEDROOM	342	100	YES	06:25
2070	DDDY	L/K/D	138	200	YES	01:07
2071	DDDY	BEDROOM	342	100	YES	06:25
2072	DDDZ	L/K/D	163	200	YES	01:07
2073	DDDZ	BEDROOM	341	100	YES	06:25
2074	DDEA	L/K/D	161	200	YES	01:07
2075	DDEA	BEDROOM	345	100	YES	06:06
2076	DDEB	L/K/D	153	200	YES	01:07
2077	DDEB	BEDROOM	336	100	YES	04:47
2078	DDEC	L/K/D	146	200	YES	00:11
2079	DDEC	BEDROOM	270	100	YES	03:06
2080	DDED	BEDROOM	512	100	YES	03:25
2081	DDED	L/K/D	529	200	YES	09:01
2082	DDEE	L/K/D	465	200	YES	06:08
2083	DDEE	BEDROOM	450	100	NO	01:00
2084	DDEE	BEDROOM	396	100	NO	00:58
2085	DDEF	BEDROOM	470	100	NO	01:18
2086	DDEF	L/K/D	489	200	NO	01:43

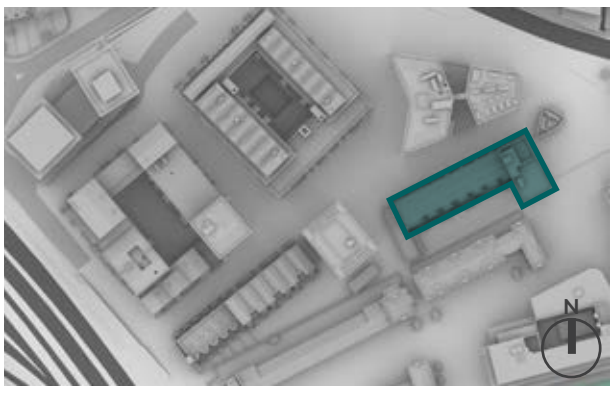
Fig. 26: Floor Plan



Block D Level 4

ROOM REF.	FLAT	ROOM USE	DAYLIGHT: MEDIAN DAYLIGHT ILLUMINANCE (lux)	DAYLIGHT: TARGET (lux)	SUNLIGHT BY ROOM: WINDOW WITHIN 90° DUE SOUTH	SUNLIGHT BY ROOM: 21 MAR
BLOCKD - LEVEL 04						
2087	DDEG	L/K/D	367	200	YES	02:01
2088	DDEG	BEDROOM	583	100	YES	06:14
2089	DDEG	BEDROOM	432	100	YES	06:14
2090	DDEH	L/K/D	225	200	YES	04:04
2091	DDEH	BEDROOM	363	100	YES	06:14
2092	DDEI	L/K/D	224	200	YES	04:04
2093	DDEI	BEDROOM	359	100	YES	06:15
2094	DDEJ	L/K/D	252	200	YES	04:04
2095	DDEJ	BEDROOM	363	100	YES	06:15
2096	DDEK	L/K/D	250	200	YES	04:04
2097	DDEK	BEDROOM	366	100	YES	06:07
2098	DDEL	L/K/D	242	200	YES	04:04
2099	DDEL	BEDROOM	357	100	YES	05:31
2100	DDEM	L/K/D	231	200	YES	03:54
2101	DDEM	BEDROOM	291	100	YES	03:23
2102	DDEN	BEDROOM	585	100	YES	03:31
2103	DDEN	L/K/D	603	200	YES	09:19
2104	DDEO	L/K/D	653	200	YES	06:49
2105	DDEO	BEDROOM	480	100	NO	01:15
2106	DDEO	BEDROOM	422	100	NO	01:01
2107	DDEP	BEDROOM	481	100	NO	01:54
2108	DDEP	L/K/D	526	200	NO	01:57

Fig. 27: Floor Plan



Block E1 Level 1

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKE1 - LEVEL 01						
3001	EEEA	L/K/D	295	200	NO	01:09
3002	EEEA	BEDROOM	136	100	NO	00:00
3003	EEEB	BEDROOM	173	100	NO	00:00
3004	EEEB	BEDROOM	308	100	YES	01:28
3005	EEEB	L/K/D	56	200	YES	00:00
3006	EEEC	BEDROOM	227	100	YES	01:32
3007	EEEC	BEDROOM	529	100	YES	03:17
3008	EEEC	L/K/D	223	200	YES	03:39
3009	EEED	L/K/D	171	200	YES	02:53
3010	EEED	BEDROOM	314	100	NO	01:28
3011	EEEE	STUDIO	125	200	NO	01:29

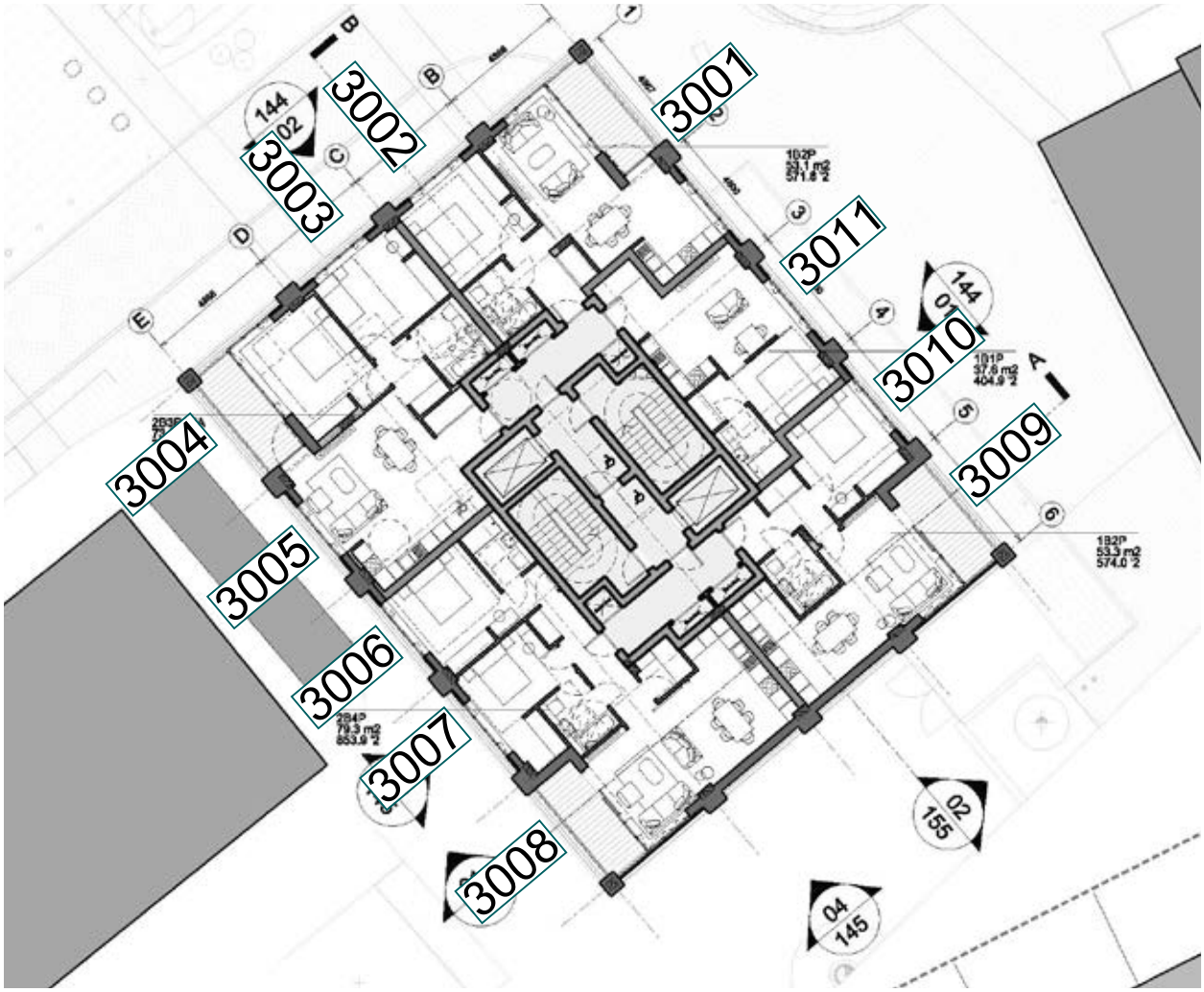
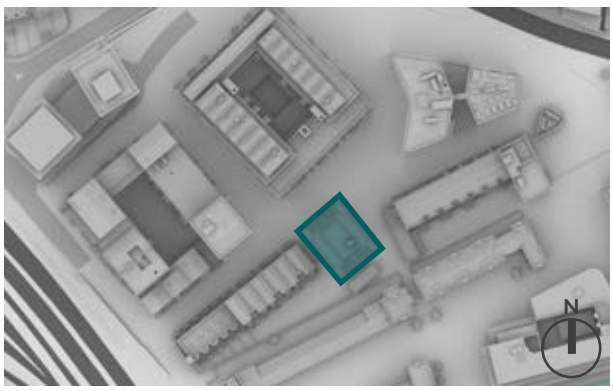


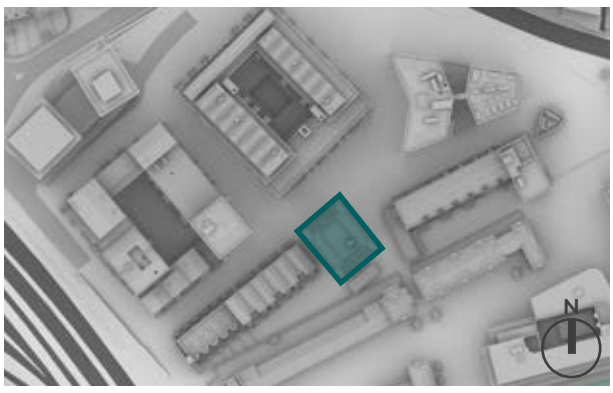
Fig. 28: Floor Plan



Block E1 Level 2

ROOM REF.	FLAT	ROOM USE	DAYLIGHT: MEDIAN DAYLIGHT ILLUMINANCE (lux)	DAYLIGHT: TARGET (lux)	SUNLIGHT BY ROOM: WINDOW WITHIN 90° DUE SOUTH	SUNLIGHT BY ROOM: 21 MAR
BLOCKE1 - LEVEL 02						
3012	EEEF	L/K/D	339	200	NO	01:09
3013	EEEF	BEDROOM	159	100	NO	00:00
3014	EEEG	BEDROOM	198	100	NO	00:00
3015	EEEG	BEDROOM	353	100	YES	01:42
3016	EEEG	L/K/D	68	200	YES	00:00
3017	EEEH	BEDROOM	272	100	YES	01:32
3018	EEEH	BEDROOM	579	100	YES	03:25
3019	EEEH	L/K/D	259	200	YES	04:28
3020	EEEI	L/K/D	202	200	YES	03:17
3021	EEEI	BEDROOM	394	100	NO	01:44
3022	EEEJ	STUDIO	144	200	NO	01:46

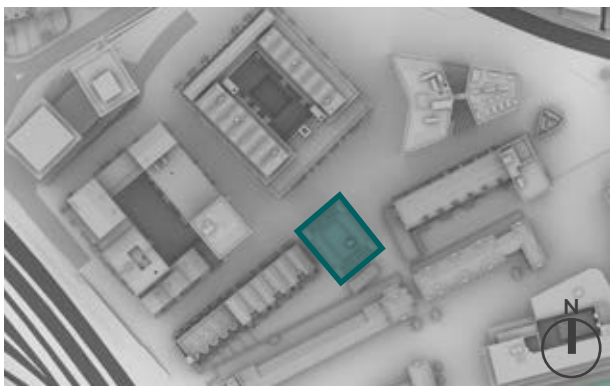
Fig. 29: Floor Plan



Block E1 Level 3

ROOM REF.	FLAT	ROOM USE	DAYLIGHT: MEDIAN DAYLIGHT ILLUMINANCE (lux)	DAYLIGHT: TARGET (lux)	SUNLIGHT BY ROOM: WINDOW WITHIN 90° DUE SOUTH	SUNLIGHT BY ROOM: 21 MAR
BLOCKE1 - LEVEL 03						
3023	EEEK	L/K/D	393	200	NO	01:09
3024	EEEK	BEDROOM	195	100	NO	00:00
3025	EEEL	BEDROOM	229	100	NO	00:00
3026	EEEL	BEDROOM	413	100	YES	01:47
3027	EEEL	L/K/D	91	200	YES	01:41
3028	EEEM	BEDROOM	351	100	YES	01:45
3029	EEEM	BEDROOM	630	100	YES	03:45
3030	EEEM	L/K/D	291	200	YES	04:48
3031	EEEN	L/K/D	229	200	YES	03:17
3032	EEEN	BEDROOM	467	100	NO	01:55
3033	EEEO	STUDIO	172	200	NO	01:52

Fig. 30: Floor Plan



Block E1 Level 4

ROOM REF.	FLAT	ROOM USE	DAYLIGHT: MEDIAN DAYLIGHT ILLUMINANCE (lux)	DAYLIGHT: TARGET (lux)	SUNLIGHT BY ROOM: WINDOW WITHIN 90° DUE SOUTH	SUNLIGHT BY ROOM: 21 MAR
BLOCKE1 - LEVEL 04						
3034	EEEP	L/K/D	453	200	NO	01:35
3035	EEEP	BEDROOM	251	100	NO	00:00
3036	EEEQ	BEDROOM	271	100	NO	00:00
3037	EEEQ	BEDROOM	539	100	YES	02:09
3038	EEEQ	L/K/D	174	200	YES	04:16
3039	EEER	BEDROOM	576	100	YES	04:17
3040	EEER	BEDROOM	711	100	YES	04:24
3041	EEER	L/K/D	329	200	YES	05:29
3042	EEES	L/K/D	269	200	YES	03:24
3043	EEES	BEDROOM	533	100	NO	02:05
3044	EEET	STUDIO	197	200	NO	01:51

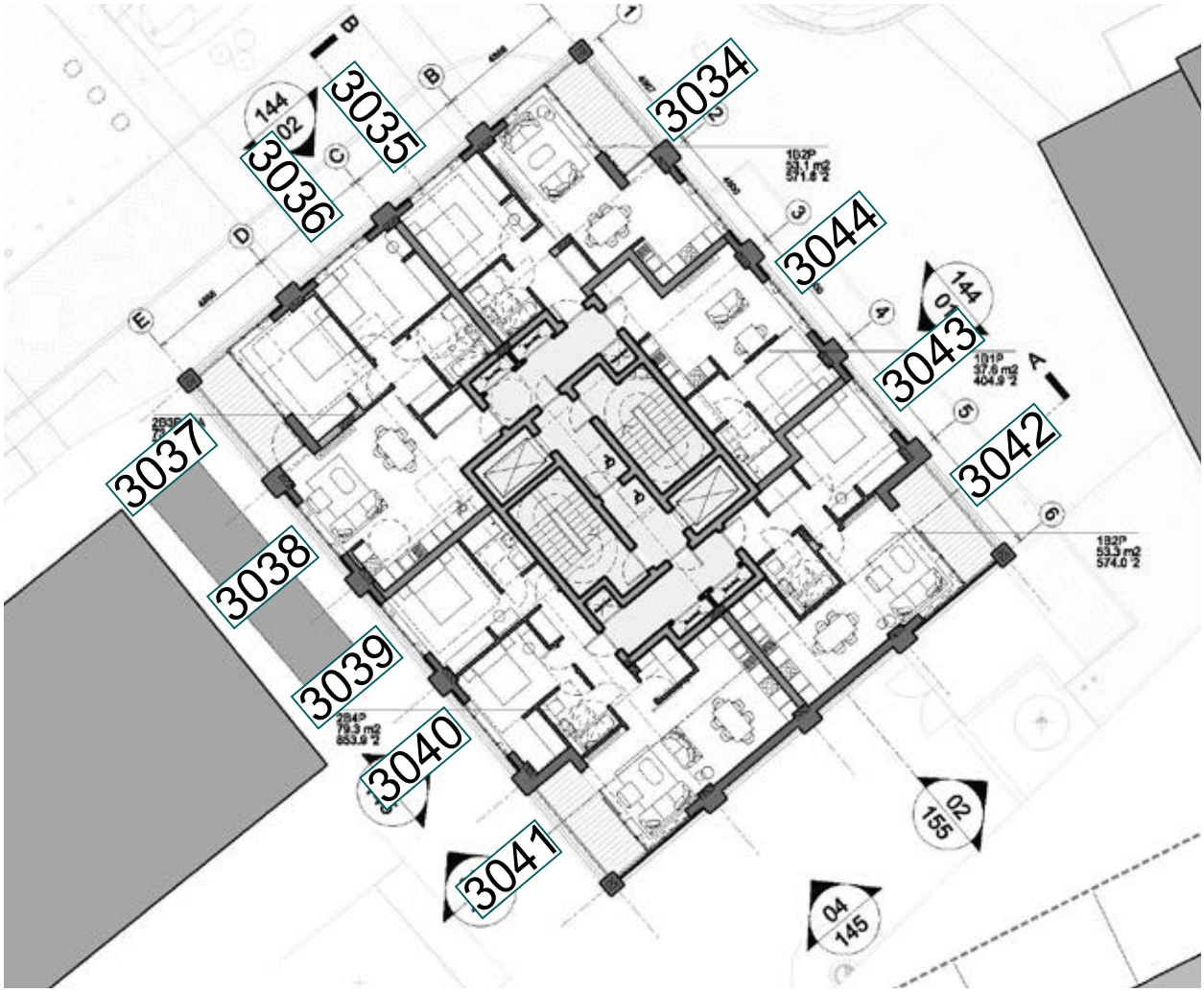
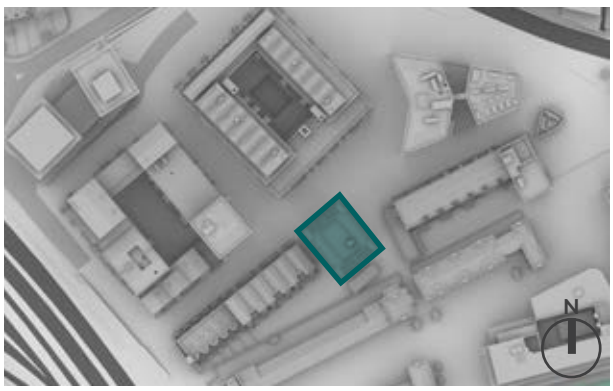


Fig. 31: Floor Plan



Block E1 Level 5

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKE1 - LEVEL 05						
3045	EEEU	L/K/D	508	200	NO	02:13
3046	EEEU	BEDROOM	327	100	NO	00:00
3047	EEEV	BEDROOM	328	100	NO	00:00
3048	EEEV	BEDROOM	662	100	YES	02:09
3049	EEEV	L/K/D	272	200	YES	05:05
3050	EEEW	BEDROOM	738	100	YES	05:17
3051	EEEW	BEDROOM	771	100	YES	05:20
3052	EEEW	L/K/D	1199	200	YES	10:06
3053	EEEX	L/K/D	938	200	YES	06:58
3054	EEEX	BEDROOM	586	100	NO	02:13
3055	EEEY	STUDIO	214	200	NO	02:13

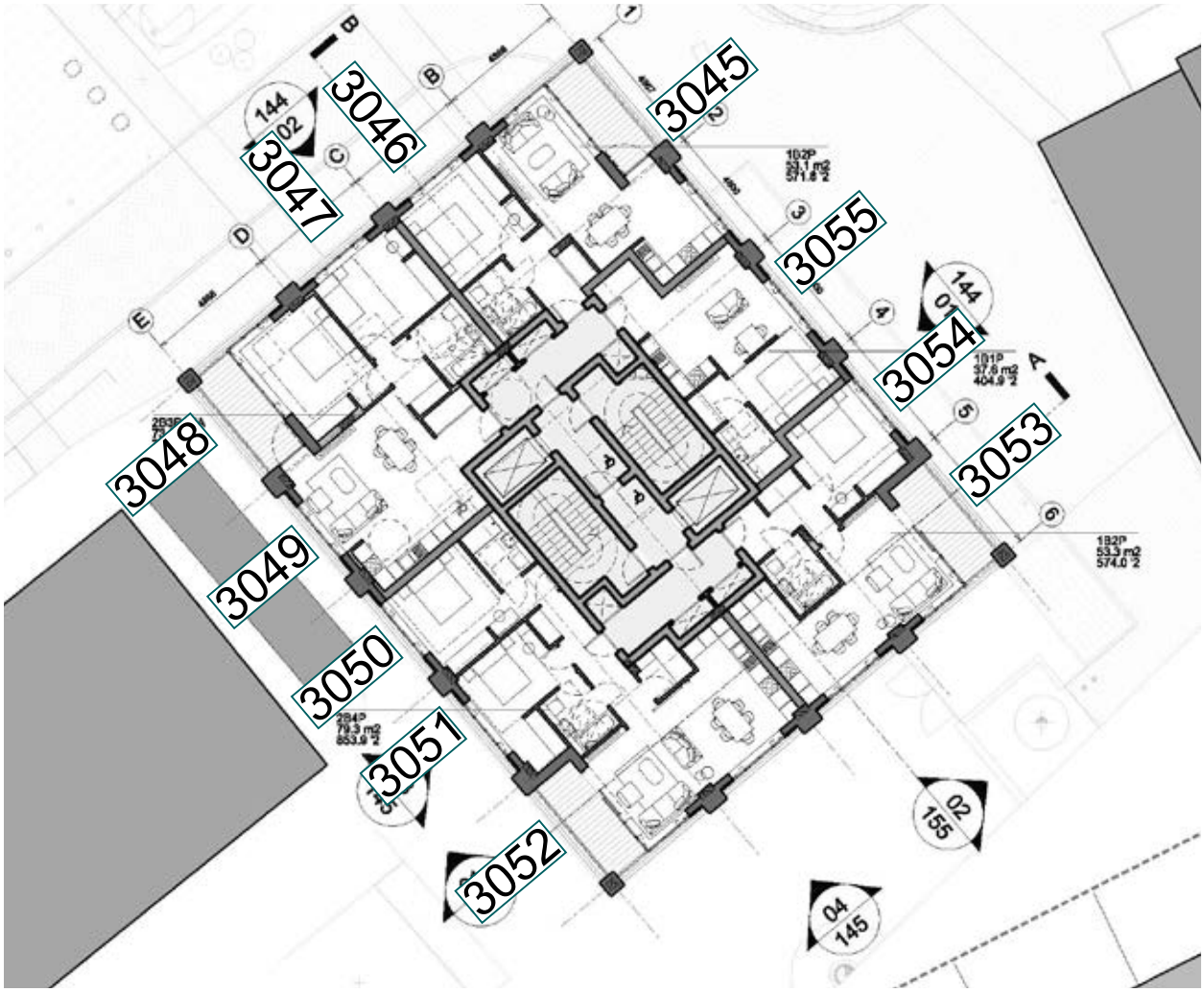
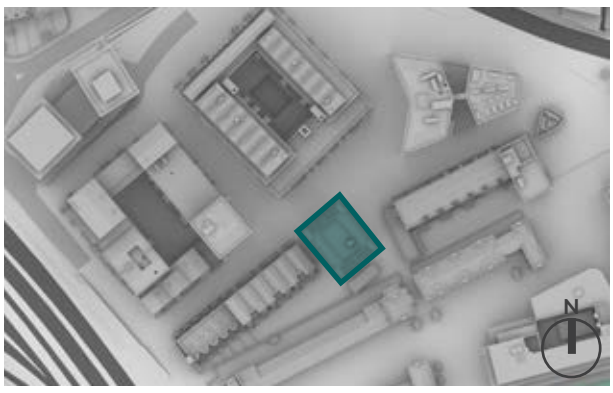


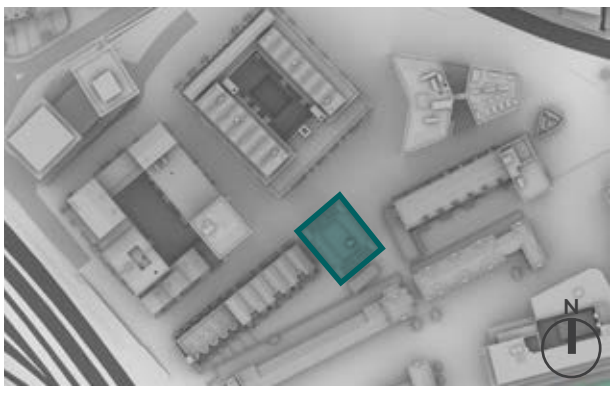
Fig. 32: Floor Plan



Block E1 Level 6

ROOM REF.	FLAT	ROOM USE	DAYLIGHT: MEDIAN DAYLIGHT ILLUMINANCE (lux)	DAYLIGHT: TARGET (lux)	SUNLIGHT BY ROOM: WINDOW WITHIN 90° DUE SOUTH	SUNLIGHT BY ROOM: 21 MAR
BLOCKE1 - LEVEL 06						
3056	EEEZ	L/K/D	557	200	NO	02:13
3057	EEEZ	BEDROOM	390	100	NO	00:00
3058	EEFA	BEDROOM	386	100	NO	00:00
3059	EEFA	BEDROOM	752	100	YES	02:09
3060	EEFA	L/K/D	313	200	YES	05:06
3061	EEFB	BEDROOM	804	100	YES	05:30
3062	EEFB	BEDROOM	789	100	YES	05:33
3063	EEFB	L/K/D	1230	200	YES	10:15
3064	EEFC	L/K/D	976	200	YES	06:58
3065	EEFC	BEDROOM	614	100	NO	02:13
3066	EEFD	STUDIO	226	200	NO	02:13

Fig. 33: Floor Plan



Block E1 Level 7

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKE1 - LEVEL 07						
3067	EEFE	L/K/D	608	200	NO	02:13
3068	EEFE	BEDROOM	443	100	NO	00:00
3069	EEFF	BEDROOM	442	100	NO	00:00
3070	EEFF	BEDROOM	823	100	YES	02:09
3071	EEFF	L/K/D	336	200	YES	05:06
3072	EEFG	BEDROOM	847	100	YES	05:38
3073	EEFG	BEDROOM	825	100	YES	05:47
3074	EEFG	L/K/D	1266	200	YES	10:27
3075	EEFH	L/K/D	1011	200	YES	06:58
3076	EEFH	BEDROOM	642	100	NO	02:13
3077	EEFI	STUDIO	234	200	NO	02:13

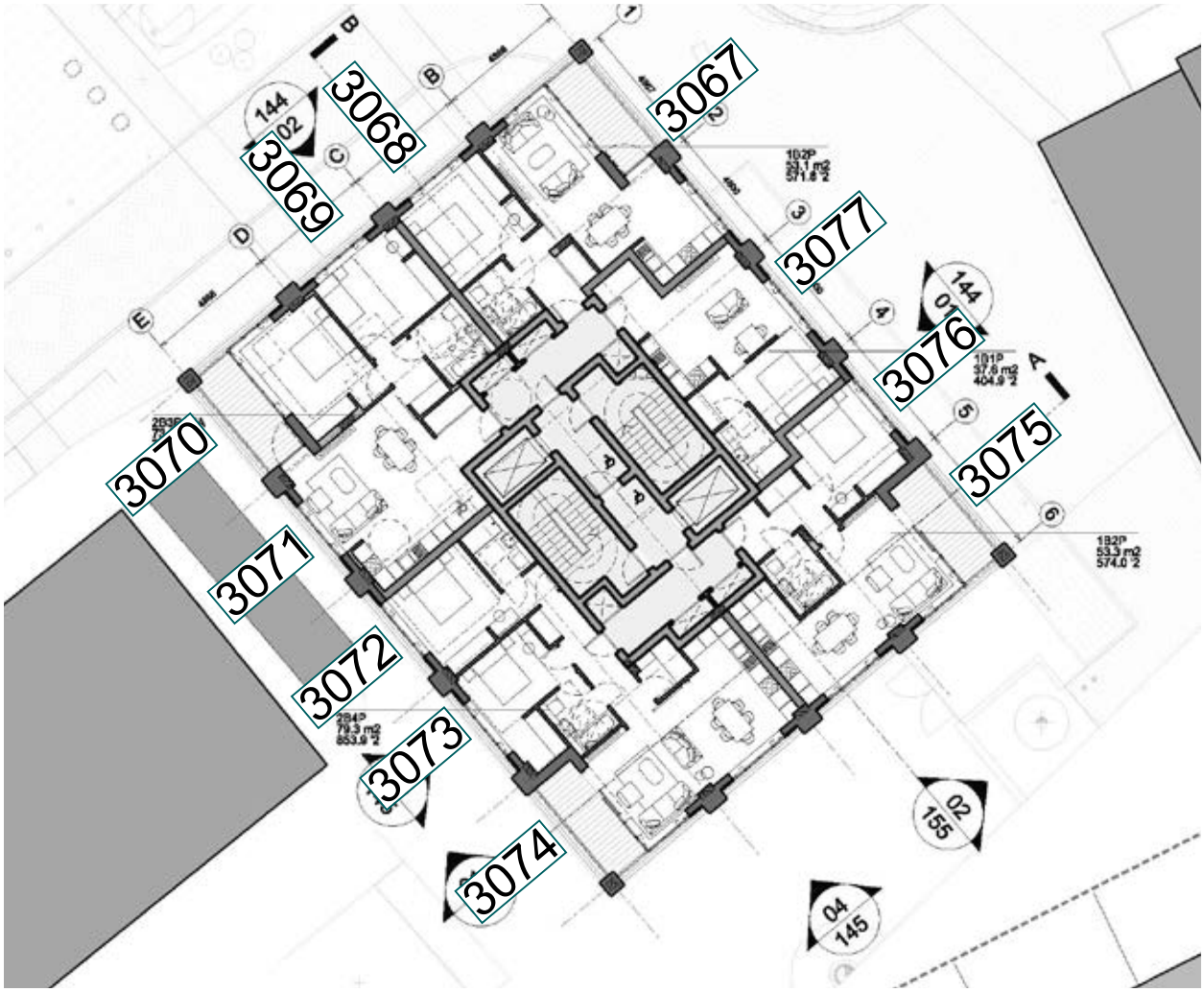
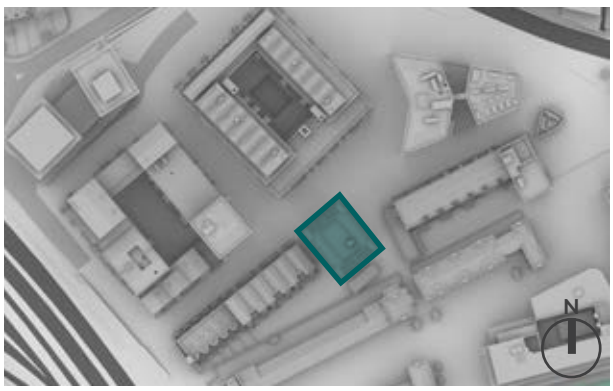


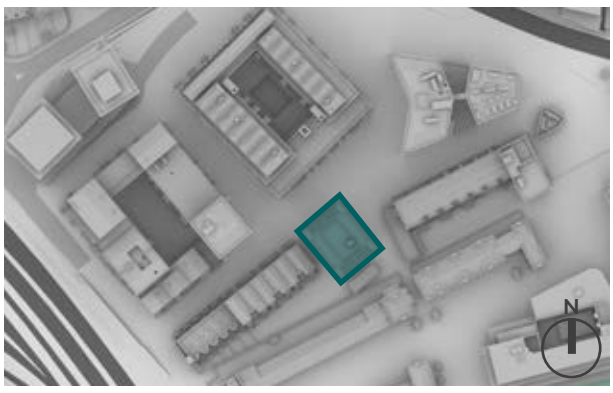
Fig. 34: Floor Plan



Block E1 Level 8

ROOM REF.	FLAT	ROOM USE	DAYLIGHT: MEDIAN DAYLIGHT ILLUMINANCE (lux)	DAYLIGHT: TARGET (lux)	SUNLIGHT BY ROOM: WINDOW WITHIN 90° DUE SOUTH	SUNLIGHT BY ROOM: 21 MAR
BLOCKE1 - LEVEL 08						
3078	EEFJ	L/K/D	648	200	NO	02:13
3079	EEFJ	BEDROOM	500	100	NO	00:06
3080	EEFK	BEDROOM	491	100	NO	00:07
3081	EEFK	BEDROOM	884	100	YES	02:07
3082	EEFK	L/K/D	356	200	YES	05:02
3083	EEFL	BEDROOM	884	100	YES	05:34
3084	EEFL	BEDROOM	849	100	YES	05:51
3085	EEFL	L/K/D	1291	200	YES	10:29
3086	EEFM	L/K/D	1034	200	YES	06:55
3087	EEFM	BEDROOM	657	100	NO	02:13
3088	EEFN	STUDIO	242	200	NO	02:13

Fig. 35: Floor Plan



Block E1 Level 9

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKE1 - LEVEL 09						
3089	EEFO	BEDROOM	698	100	NO	02:13
3090	EEFP	BEDROOM	773	100	NO	01:05
3091	EEFP	BEDROOM	688	100	NO	00:26
3092	EEFP	BEDROOM	566	100	NO	00:26
3093	EEFP	L/K/D	556	200	YES	05:06
3094	EEFQ	BEDROOM	905	100	YES	05:34
3095	EEFQ	BEDROOM	861	100	YES	05:51
3096	EEFQ	L/K/D	1256	200	YES	10:29
3097	EEFQ	BEDROOM	1141	100	YES	06:55
3098	EEFO	L/K/D	539	200	YES	06:55
3099	EEFO	BEDROOM	329	100	NO	02:13

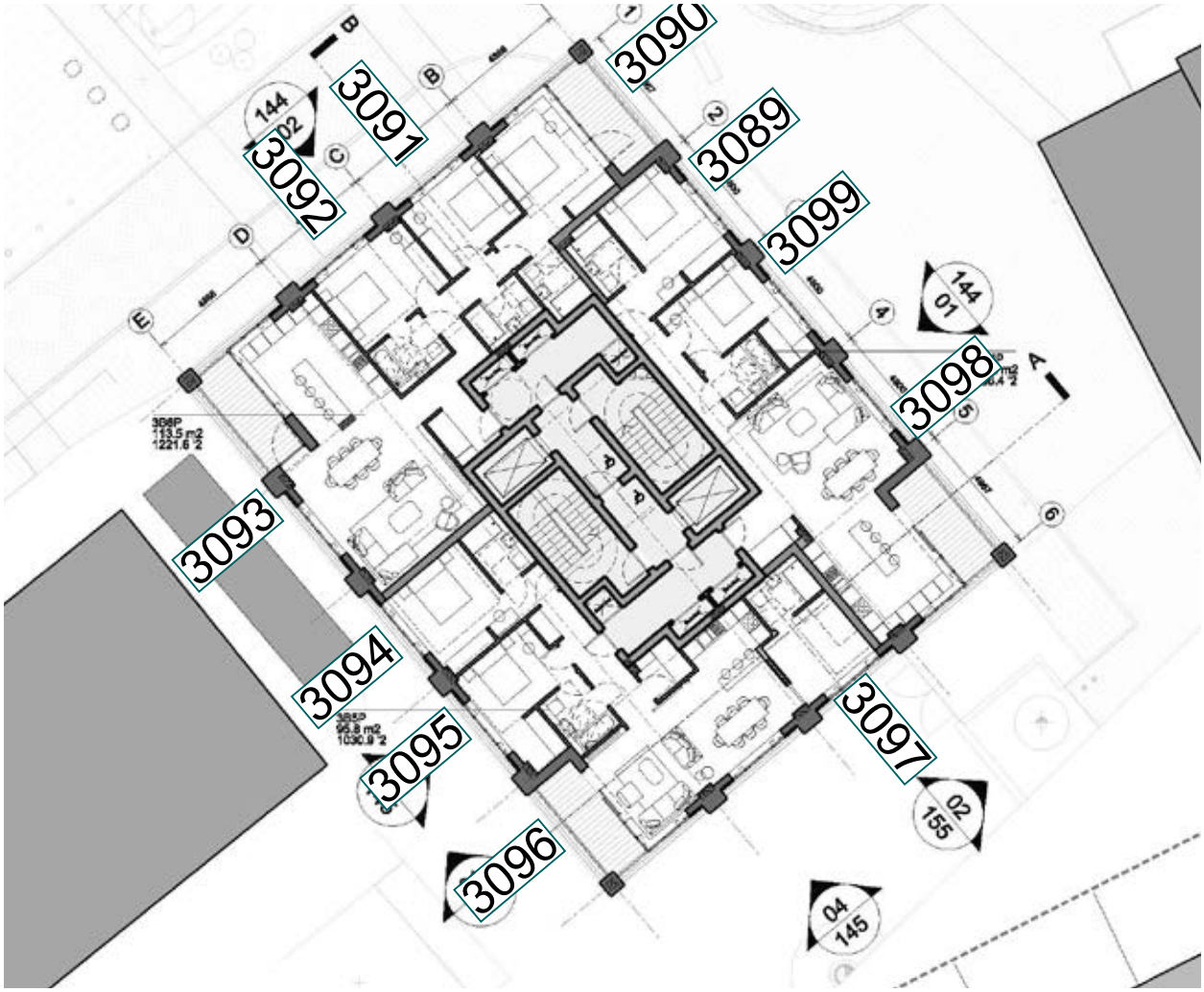
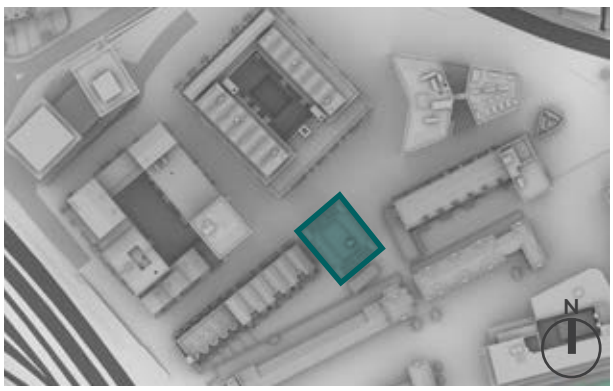


Fig. 36: Floor Plan



Block E1 Level 10

ROOM REF.	FLAT	ROOM USE	DAYLIGHT: MEDIAN DAYLIGHT ILLUMINANCE (lux)	DAYLIGHT: TARGET (lux)	SUNLIGHT BY ROOM: WINDOW WITHIN 90° DUE SOUTH	SUNLIGHT BY ROOM: 21 MAR
BLOCKE1 - LEVEL 10						
3100	EEFR	BEDROOM	724	100	NO	02:13
3101	EEFS	BEDROOM	801	100	NO	01:39
3102	EEFS	BEDROOM	740	100	NO	01:03
3103	EEFS	BEDROOM	619	100	NO	00:55
3104	EEFS	L/K/D	584	200	YES	05:41
3105	EEFT	BEDROOM	938	100	YES	05:57
3106	EEFT	BEDROOM	889	100	YES	06:14
3107	EEFT	L/K/D	1279	200	YES	11:01
3108	EEFT	BEDROOM	1186	100	YES	07:34
3109	EEFR	L/K/D	552	200	YES	07:31
3110	EEFR	BEDROOM	341	100	NO	02:13

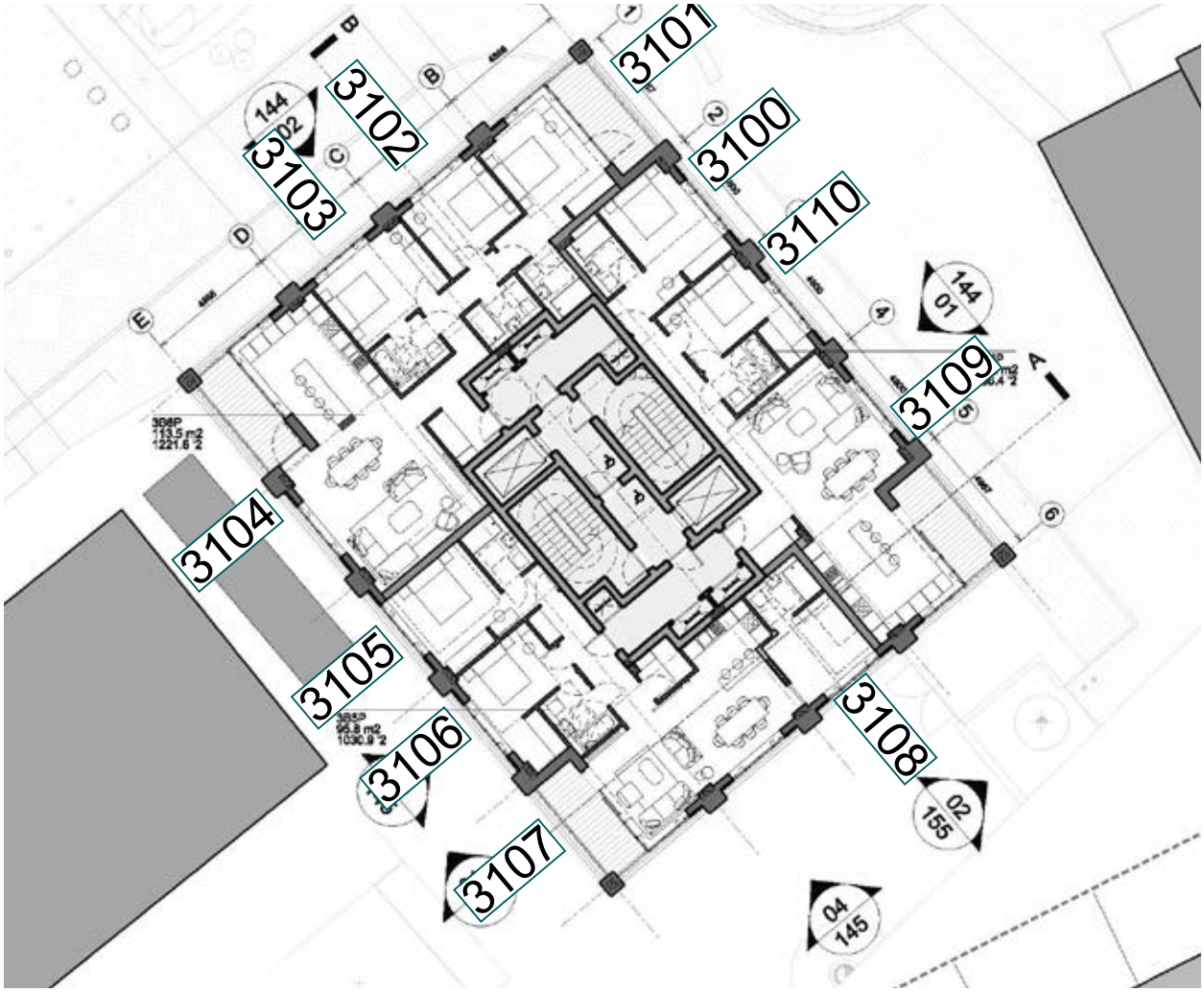
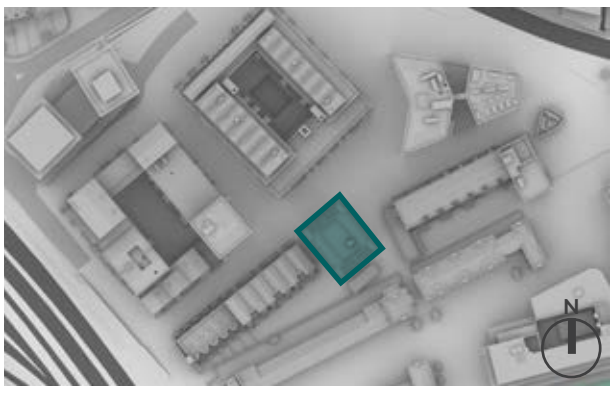


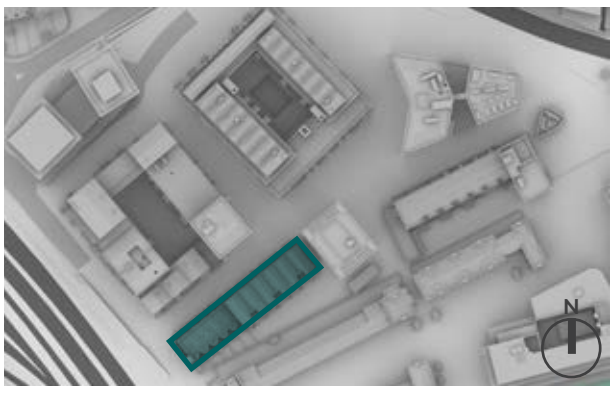
Fig. 37: Floor Plan



Block E2 Level 0

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKE2 – LEVEL 0						
4001	EEFU	KITCHEN	276	200	NO	01:33
4002	EEFU	LIVING ROOM	357	150	YES	01:49
4003	EEFV	LIVING ROOM	391	150	YES	03:12
4004	EEFV	KITCHEN	202	200	NO	00:28
4005	EEFW	KITCHEN	158	200	NO	00:28
4006	EEFW	LIVING ROOM	393	150	YES	03:49
4007	EEFX	LIVING ROOM	399	150	YES	03:55
4008	EEFX	KITCHEN	134	200	NO	00:27
4009	EEFY	KITCHEN	123	200	NO	00:00
4010	EEFY	LIVING ROOM	384	150	YES	04:00
4011	EEFZ	LIVING ROOM	452	150	YES	06:11
4012	EEFZ	KITCHEN	156	200	NO	00:02
4013	EEGA	KITCHEN	141	200	NO	00:00
4014	EEGA	LIVING ROOM	460	150	YES	06:15
4015	EEGB	LIVING ROOM	483	150	YES	06:11
4016	EEGB	KITCHEN	150	200	NO	00:00
4017	EEGC	KITCHEN	125	200	NO	00:00
4018	EEGC	LIVING ROOM	459	150	YES	06:10
4019	EEGD	LIVING ROOM	521	150	YES	06:11
4020	EEGD	KITCHEN	180	200	NO	00:00
4021	EEGE	KITCHEN	152	200	NO	00:00
4022	EEGE	LIVING ROOM	471	150	YES	05:49

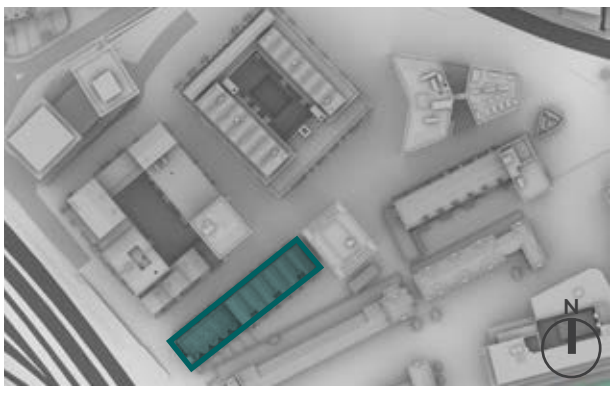
Fig. 38: Floor Plan



Block E2 Level 1

ROOM REF.	FLAT	ROOM USE	DAYLIGHT: MEDIAN DAYLIGHT ILLUMINANCE (lux)	DAYLIGHT: TARGET (lux)	SUNLIGHT BY ROOM: WINDOW WITHIN 90° DUE SOUTH	SUNLIGHT BY ROOM: 21 MAR
BLOCKE2 – LEVEL 01						
4023	EEFU	BEDROOM	456	100	NO	00:17
4024	EEFU	BEDROOM	102	100	YES	03:13
4025	EEFV	BEDROOM	86	100	YES	02:16
4026	EEFV	BEDROOM	372	100	NO	00:17
4027	EEFW	BEDROOM	307	100	NO	00:17
4028	EEFW	BEDROOM	85	100	YES	02:18
4029	EEFX	BEDROOM	82	100	YES	02:13
4030	EEFX	BEDROOM	263	100	NO	00:07
4031	EEFY	BEDROOM	241	100	NO	00:00
4032	EEFY	BEDROOM	91	100	YES	02:19
4033	EEFZ	BEDROOM	257	100	YES	04:51
4034	EEFZ	BEDROOM	203	100	NO	00:00
4035	EEGA	BEDROOM	353	100	YES	05:57
4036	EEGA	BEDROOM	329	100	YES	03:58
4037	EEGA	BEDROOM	200	100	NO	00:00
4038	EEGB	BEDROOM	187	100	NO	00:00
4039	EEGB	BEDROOM	241	100	YES	04:32
4040	EEGC	BEDROOM	356	100	YES	05:50
4041	EEGC	BEDROOM	326	100	YES	03:55
4042	EEGC	BEDROOM	177	100	NO	00:00
4043	EEGD	BEDROOM	201	100	NO	00:00
4044	EEGD	BEDROOM	236	100	YES	04:24
4045	EEGE	BEDROOM	352	100	YES	05:49
4046	EEGE	BEDROOM	298	100	YES	03:24
4047	EEGE	BEDROOM	184	100	NO	00:00

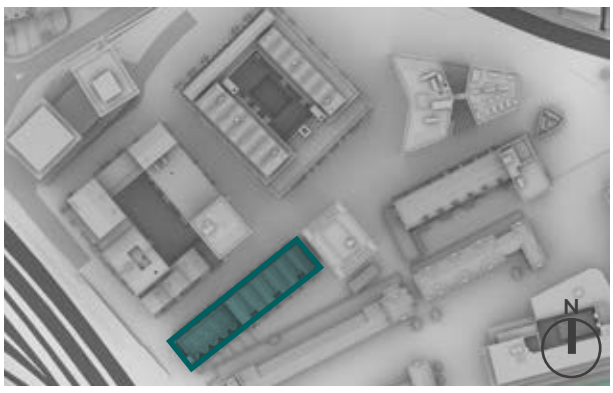
Fig. 39: Floor Plan



Block E2 Level 2

ROOM REF.	FLAT	ROOM USE	DAYLIGHT: MEDIAN DAYLIGHT ILLUMINANCE (lux)	DAYLIGHT: TARGET (lux)	SUNLIGHT BY ROOM: WINDOW WITHIN 90° DUE SOUTH	SUNLIGHT BY ROOM: 21 MAR
BLOCKE2 - LEVEL 02						
4048	EEFU	BEDROOM	462	100	NO	00:17
4049	EEFU	BEDROOM	148	100	YES	03:23
4050	EEFV	BEDROOM	136	100	YES	03:12
4051	EEFV	BEDROOM	382	100	NO	00:17
4052	EEFW	BEDROOM	326	100	NO	00:17
4053	EEFW	BEDROOM	131	100	YES	03:09
4054	EEFX	BEDROOM	128	100	YES	03:16
4055	EEFX	BEDROOM	283	100	NO	00:07
4056	EEFY	BEDROOM	262	100	NO	00:00
4057	EEFY	BEDROOM	122	100	YES	03:10
4058	EEGF	L/K/D	350	200	YES	06:09
4059	EEGF	BEDROOM	193	100	NO	00:00
4060	EEGG	BEDROOM	191	100	NO	00:00
4061	EEGG	L/K/D	229	200	YES	06:14
4062	EEGH	L/K/D	349	200	YES	06:14
4063	EEGH	BEDROOM	176	100	NO	00:00
4064	EEGI	BEDROOM	167	100	NO	00:00
4065	EEGI	L/K/D	345	200	YES	06:18
4066	EEGJ	L/K/D	342	200	YES	06:17
4067	EEGJ	BEDROOM	178	100	NO	00:00
4068	EEGK	BEDROOM	163	100	NO	00:00
4069	EEGK	L/K/D	339	200	YES	05:31

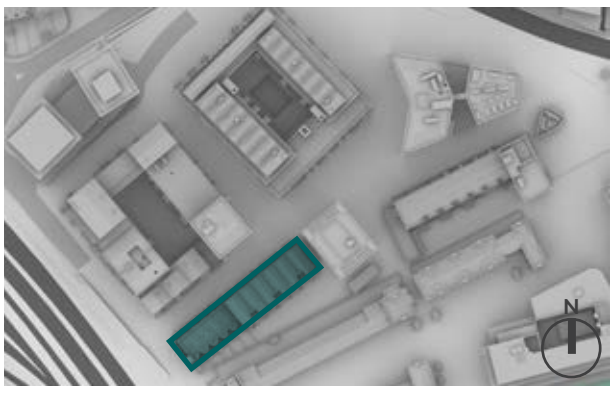
Fig. 40: Floor Plan



Block E2 Level 3

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKE2 – LEVEL 03						
4070	EEGL	KITCHEN	734	200	YES	05:12
4071	EEGL	BEDROOM	677	100	YES	06:26
4072	EEGM	LIVING ROOM	673	150	YES	06:29
4073	EEGM	KITCHEN	269	200	NO	00:00
4074	EEGN	KITCHEN	224	200	NO	00:00
4075	EEGN	BEDROOM	671	100	YES	06:29
4076	EEGO	LIVING ROOM	659	150	YES	06:28
4077	EEGO	KITCHEN	225	200	NO	00:00
4078	EEGP	KITCHEN	208	200	NO	00:00
4079	EEGP	BEDROOM	650	100	YES	06:32
4080	EEGQ	LIVING ROOM	681	150	YES	06:08
4081	EEGQ	KITCHEN	207	200	NO	00:00

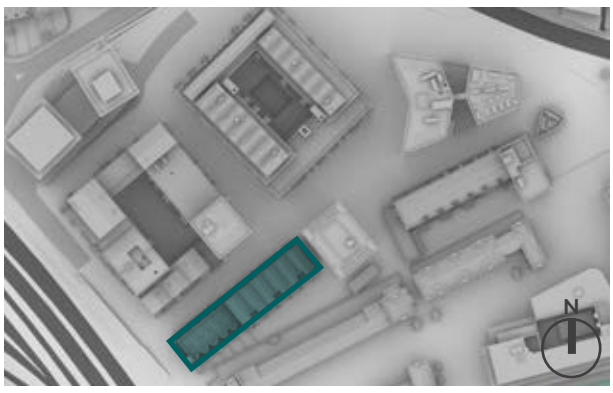
Fig. 41: Floor Plan



Block E2 Level 4

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKE2 – LEVEL 04						
4082	EEGL	BEDROOM	587	100	YES	04:35
4083	EEGL	BEDROOM	785	100	YES	06:38
4084	EEGL	LIVING ROOM	438	150	YES	05:45
4085	EEGM	BEDROOM	325	100	NO	00:00
4086	EEGM	BEDROOM	573	100	YES	06:38
4087	EEGN	BEDROOM	754	100	YES	06:38
4088	EEGN	BEDROOM	257	100	NO	00:00
4089	EEGN	LIVING ROOM	407	150	YES	05:45
4090	EEGO	BEDROOM	272	100	NO	00:00
4091	EEGO	BEDROOM	531	100	YES	06:40
4092	EEGP	BEDROOM	716	100	YES	06:38
4093	EEGP	BEDROOM	241	100	NO	00:00
4094	EEGP	LIVING ROOM	383	150	YES	05:38
4095	EEGQ	BEDROOM	242	100	NO	00:00
4096	EEGQ	BEDROOM	623	100	YES	05:24

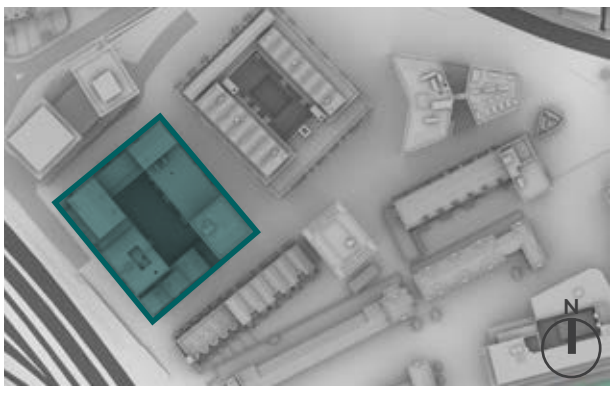
Fig. 42: Floor Plan



Block F Level 0

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKF - LEVEL 00						
5000	FFFA	L/K/D	190	200	YES	07:09
5001	FFFB	L/K/D	207	200	YES	07:09
5002	FFFC	L/K/D	207	200	YES	07:09
5003	FFFD	LIVING ROOM	286	150	YES	05:37
5004	FFFE	LIVING ROOM	208	150	YES	04:05
5005	FFFF	LIVING ROOM	165	150	YES	04:10
5006	FFFG	LIVING ROOM	156	150	YES	04:15
5007	FFFH	LIVING ROOM	146	150	YES	03:13

Fig. 43: Floor Plan



Block F Level 1

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKF - LEVEL 01						
5008	FFFH	BEDROOM	132	100	YES	01:30
5009	FFFH	STUDY	132	150	NO	00:00
5010	FFFH	BEDROOM	117	100	NO	00:00
5011	FFFH	BEDROOM	313	100	YES	00:27
5012	FFFG	BEDROOM	136	100	YES	00:59
5013	FFFG	STUDY	125	150	NO	00:00
5014	FFFG	BEDROOM	120	100	NO	00:00
5015	FFFG	BEDROOM	451	100	YES	03:46
5016	FFFF	BEDROOM	203	100	YES	03:26
5017	FFFF	STUDY	120	150	NO	00:00
5018	FFFF	BEDROOM	65	100	NO	00:00
5019	FFFF	BEDROOM	487	100	YES	04:39
5020	FFFE	BEDROOM	267	100	YES	02:48
5021	FFFE	BEDROOM	218	100	YES	04:22
5022	FFFE	BEDROOM	178	100	YES	04:22
5023	FFFD	BEDROOM	503	100	YES	04:01
5024	FFFD	BEDROOM	880	100	YES	09:36
5025	FFFD	BEDROOM	478	100	YES	06:33
5026	FFFI	BEDROOM	533	100	YES	06:38
5027	FFFI	L/K/D	411	200	YES	04:58
5028	FFFC	BEDROOM	815	100	YES	06:38
5029	FFFC	BEDROOM	631	100	YES	06:38
5030	FFFB	BEDROOM	609	100	YES	04:58
5031	FFFB	BEDROOM	804	100	YES	05:11
5032	FFFA	BEDROOM	682	100	YES	06:38
5033	FFFA	BEDROOM	613	100	YES	06:37
5034	FFFJ	BEDROOM	546	100	YES	06:48
5035	FFFJ	BEDROOM	130	100	NO	00:00
5036	FFFJ	L/K/D	310	200	YES	05:03
5037	FFFK	BEDROOM	708	100	YES	06:16
5038	FFFK	L/K/D	334	200	YES	06:07
5039	FFFL	L/K/D	933	200	YES	06:46
5040	FFFL	BEDROOM	237	100	NO	00:54
5041	FFFL	BEDROOM	146	100	NO	00:54
5042	FFFL	BEDROOM	137	100	NO	00:54
5043	FFFM	L/K/D	84	200	YES	01:33
5044	FFFM	BEDROOM	55	100	NO	00:00
5045	FFFM	BEDROOM	86	100	NO	00:00
5046	FFFN	L/K/D	107	200	YES	00:21
5047	FFFN	BEDROOM	79	100	NO	00:00
5048	FFFN	BEDROOM	89	100	NO	00:00
5049	FFFO	BEDROOM	94	100	NO	00:00
5050	FFFO	L/K/D	43	200	NO	00:00
5051	FFFP	BEDROOM	99	100	NO	00:00
5052	FFFP	BEDROOM	180	100	NO	00:00
5053	FFFP	L/K/D	152	200	NO	00:00
5054	FFFP	BEDROOM	99	100	NO	00:00
5055	FFFQ	L/K/D	33	200	NO	00:00
5056	FFFQ	BEDROOM	93	100	NO	00:00
5057	FFFR	BEDROOM	134	100	NO	00:00
5058	FFFR	BEDROOM	167	100	NO	00:00
5059	FFFR	L/K/D	186	200	YES	02:28
5060	FFFS	BEDROOM	226	100	YES	01:47
5061	FFFS	L/K/D	62	200	YES	02:14
5062	FFFT	L/K/D	86	200	YES	00:04
5063	FFFT	BEDROOM	182	100	YES	00:11
5064	FFFU	BEDROOM	206	100	YES	01:02
5065	FFFU	L/K/D	80	200	YES	01:23
5066	FFFV	BEDROOM	152	100	YES	00:09
5067	FFFV	L/K/D	72	200	YES	00:59
5068	FFFW	STUDIO	109	200	YES	00:56
5069	FFFX	L/K/D	38	200	NO	00:00
5070	FFFX	BEDROOM	95	100	NO	00:00
5071	FFFX	BEDROOM	129	100	NO	00:00
5072	FFFY	BEDROOM	130	100	NO	00:00
5073	FFFY	L/K/D	99	200	NO	00:00

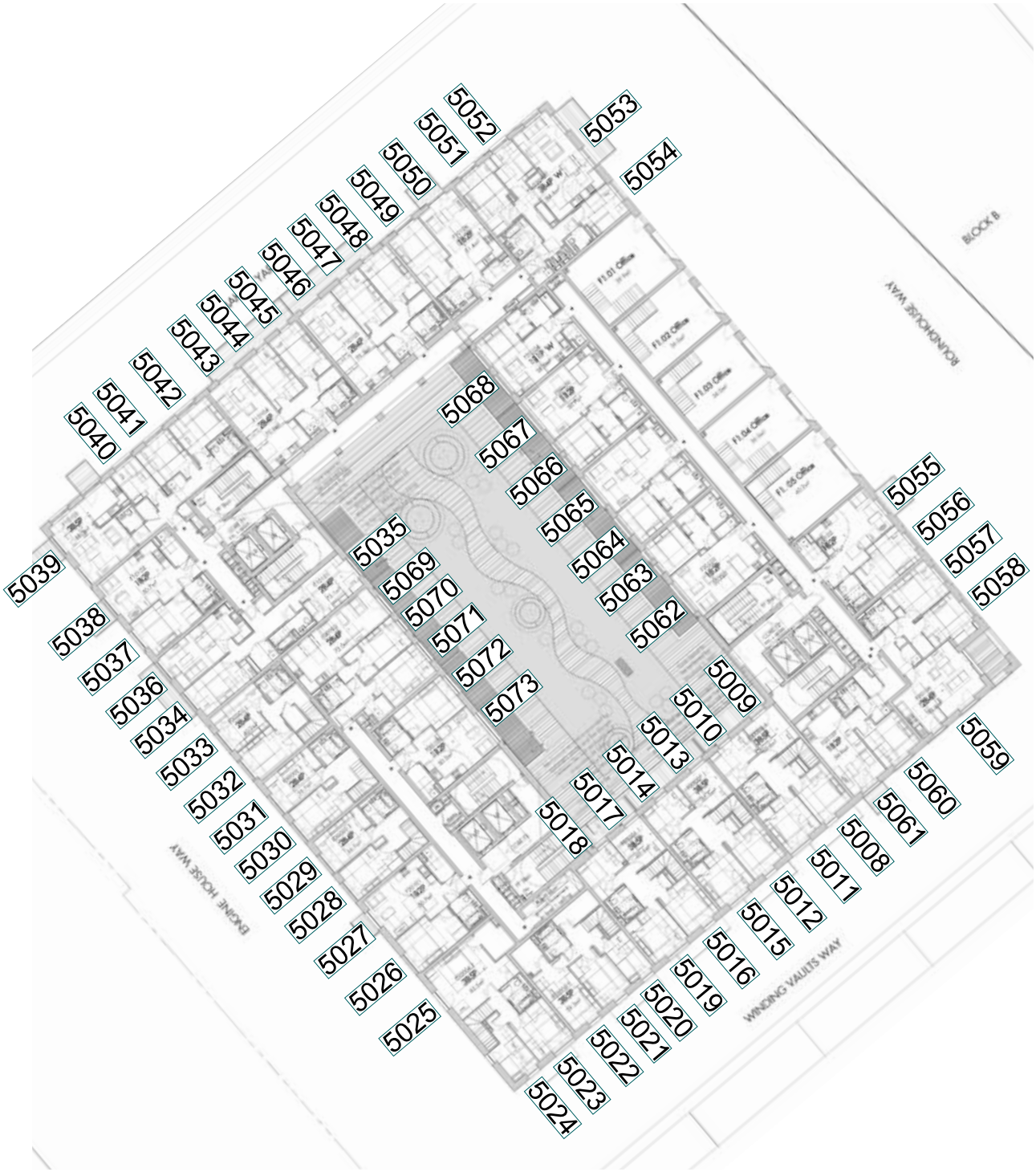
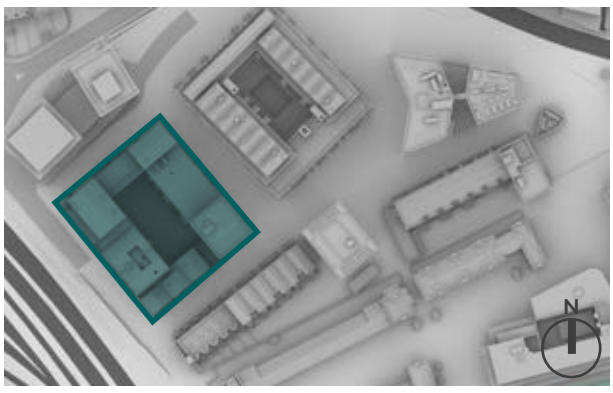


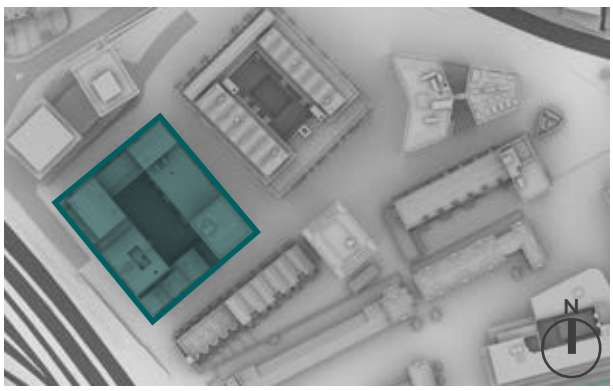
Fig. 44: Floor Plan



Block F Level 2

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKF - LEVEL 02						
5074	FFFZ	BEDROOM	271	100	NO	00:00
5075	FFFZ	BEDROOM	183	100	NO	00:00
5076	FFFZ	L/K/D	176	200	YES	02:25
5077	FFFZ	BEDROOM	474	100	YES	03:55
5078	FFGA	BEDROOM	358	100	YES	04:34
5079	FFGA	BEDROOM	336	100	YES	03:56
5080	FFGA	L/K/D	160	200	YES	04:08
5081	FFGB	BEDROOM	489	100	YES	05:26
5082	FFGB	L/K/D	381	200	YES	11:11
5083	FFGB	BEDROOM	527	100	YES	05:34
5084	FFGB	BEDROOM	554	100	YES	06:33
5085	FFGC	L/K/D	446	200	YES	05:53
5086	FFGC	BEDROOM	480	100	YES	04:22
5087	FFGC	BEDROOM	394	100	YES	05:54
5088	FFGD	L/K/D	446	200	YES	05:52
5089	FFGD	BEDROOM	560	100	YES	04:22
5090	FFGD	BEDROOM	404	100	YES	05:54
5091	FFGE	L/K/D	507	200	YES	04:32
5092	FFGE	BEDROOM	145	100	NO	00:00
5093	FFGE	BEDROOM	90	100	NO	00:00
5094	FFGE	BEDROOM	137	100	NO	00:00
5095	FFGF	BEDROOM	154	100	NO	00:00
5096	FFGF	BEDROOM	562	100	YES	05:56
5097	FFGF	L/K/D	315	200	YES	04:27
5098	FFGG	BEDROOM	783	100	YES	06:49
5099	FFGG	L/K/D	345	200	YES	05:07
5100	FFGH	L/K/D	1005	200	YES	06:49
5101	FFGH	BEDROOM	274	100	NO	00:54
5102	FFGH	BEDROOM	169	100	NO	00:54
5103	FFGH	BEDROOM	158	100	NO	00:54
5104	FFGI	L/K/D	38	200	YES	01:04
5105	FFGI	BEDROOM	73	100	NO	00:00
5106	FFGI	BEDROOM	113	100	NO	00:00
5107	FFGJ	L/K/D	58	200	YES	00:39
5108	FFGJ	BEDROOM	104	100	NO	00:00
5109	FFGJ	BEDROOM	116	100	NO	00:00
5110	FFGK	BEDROOM	117	100	NO	00:00
5111	FFGK	L/K/D	52	200	NO	00:00
5112	FFGL	BEDROOM	119	100	NO	00:00
5113	FFGL	BEDROOM	205	100	NO	00:00
5114	FFGL	L/K/D	162	200	NO	00:00
5115	FFGL	BEDROOM	111	100	NO	00:00
5116	FFGM	STUDIO	83	200	NO	00:00
5117	FFGN	L/K/D	49	200	NO	00:10
5118	FFGN	BEDROOM	58	100	NO	00:00
5119	FFGN	BEDROOM	115	100	NO	00:00
5120	FFGO	L/K/D	53	200	NO	00:00
5121	FFGO	BEDROOM	69	100	NO	00:00
5122	FFGO	BEDROOM	121	100	NO	00:00
5123	FFGP	L/K/D	36	200	NO	00:00
5124	FFGP	BEDROOM	108	100	NO	00:00
5125	FFGQ	BEDROOM	153	100	NO	00:00
5126	FFGQ	BEDROOM	190	100	NO	00:00
5127	FFGQ	L/K/D	208	200	YES	04:13
5128	FFGR	BEDROOM	340	100	YES	03:34
5129	FFGR	L/K/D	214	200	YES	02:48
5130	FFGS	L/K/D	92	200	YES	01:04
5131	FFGS	BEDROOM	237	100	YES	00:33
5132	FFGT	BEDROOM	277	100	YES	01:48
5133	FFGT	L/K/D	81	200	YES	01:04
5134	FFGU	BEDROOM	206	100	YES	00:34
5135	FFGU	L/K/D	84	200	YES	00:54
5136	FFGV	STUDIO	126	200	YES	02:13
5137	FFGW	BEDROOM	150	100	NO	00:00
5138	FFGW	L/K/D	103	200	NO	00:00

Fig. 45: Floor Plan



Block F Level 3

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKF - LEVEL 03						
5139	FFGX	BEDROOM	317	100	NO	00:00
5140	FFGX	BEDROOM	214	100	NO	00:00
5141	FFGX	L/K/D	237	200	YES	03:54
5142	FFGX	BEDROOM	563	100	YES	04:40
5143	FFGY	BEDROOM	422	100	YES	05:08
5144	FFGY	BEDROOM	399	100	YES	04:27
5145	FFGY	L/K/D	195	200	YES	04:33
5146	FFGZ	BEDROOM	555	100	YES	05:47
5147	FFGZ	L/K/D	418	200	YES	11:14
5148	FFGZ	BEDROOM	555	100	YES	05:34
5149	FFGZ	BEDROOM	477	100	YES	02:53
5150	FFHA	L/K/D	458	200	YES	05:53
5151	FFHA	BEDROOM	493	100	YES	04:22
5152	FFHA	BEDROOM	421	100	YES	05:54
5153	FFHB	L/K/D	453	200	YES	05:52
5154	FFHB	BEDROOM	572	100	YES	04:22
5155	FFHB	BEDROOM	427	100	YES	05:54
5156	FFHC	L/K/D	525	200	YES	04:32
5157	FFHC	BEDROOM	170	100	NO	00:03
5158	FFHC	BEDROOM	107	100	NO	00:00
5159	FFHC	BEDROOM	161	100	NO	00:00
5160	FFHD	BEDROOM	200	100	NO	00:00
5161	FFHD	BEDROOM	579	100	YES	05:56
5162	FFHD	L/K/D	323	200	YES	04:27
5163	FFHE	BEDROOM	826	100	YES	06:49
5164	FFHE	L/K/D	356	200	YES	05:07
5165	FFHF	L/K/D	1057	200	YES	06:49
5166	FFHF	BEDROOM	300	100	NO	00:54
5167	FFHF	BEDROOM	193	100	NO	00:54
5168	FFHF	BEDROOM	179	100	NO	00:54
5169	FFHG	L/K/D	44	200	YES	01:04
5170	FFHG	BEDROOM	82	100	NO	00:00
5171	FFHG	BEDROOM	125	100	NO	00:00
5172	FFHH	L/K/D	66	200	YES	00:41
5173	FFHH	BEDROOM	117	100	NO	00:00
5174	FFHH	BEDROOM	130	100	NO	00:00
5175	FFHI	BEDROOM	136	100	NO	00:00
5176	FFHI	L/K/D	61	200	NO	00:00
5177	FFHJ	BEDROOM	133	100	NO	00:00
5178	FFHJ	BEDROOM	230	100	NO	00:00
5179	FFHJ	L/K/D	180	200	NO	00:00
5180	FFHJ	BEDROOM	129	100	NO	00:00
5181	FFHK	STUDIO	98	200	NO	00:05
5182	FFHL	L/K/D	59	200	NO	00:18
5183	FFHL	BEDROOM	73	100	NO	00:00
5184	FFHL	BEDROOM	135	100	NO	00:00
5185	FFHM	L/K/D	63	200	NO	00:00
5186	FFHM	BEDROOM	84	100	NO	00:00
5187	FFHM	BEDROOM	143	100	NO	00:02
5188	FFHN	L/K/D	42	200	NO	00:00
5189	FFHN	BEDROOM	123	100	NO	00:00
5190	FFHO	BEDROOM	179	100	NO	00:00
5191	FFHO	BEDROOM	216	100	NO	00:00
5192	FFHO	L/K/D	299	200	YES	05:23
5193	FFHP	BEDROOM	451	100	YES	05:02
5194	FFHP	L/K/D	290	200	YES	04:15
5195	FFHQ	L/K/D	109	200	YES	01:04
5196	FFHQ	BEDROOM	315	100	YES	01:22
5197	FFHR	BEDROOM	355	100	YES	02:47
5198	FFHR	L/K/D	94	200	YES	01:04
5199	FFHS	BEDROOM	259	100	YES	01:18
5200	FFHS	L/K/D	97	200	YES	01:50
5201	FFHT	STUDIO	148	200	YES	02:44
5202	FFHU	BEDROOM	178	100	NO	00:00
5203	FFHU	L/K/D	119	200	NO	00:00

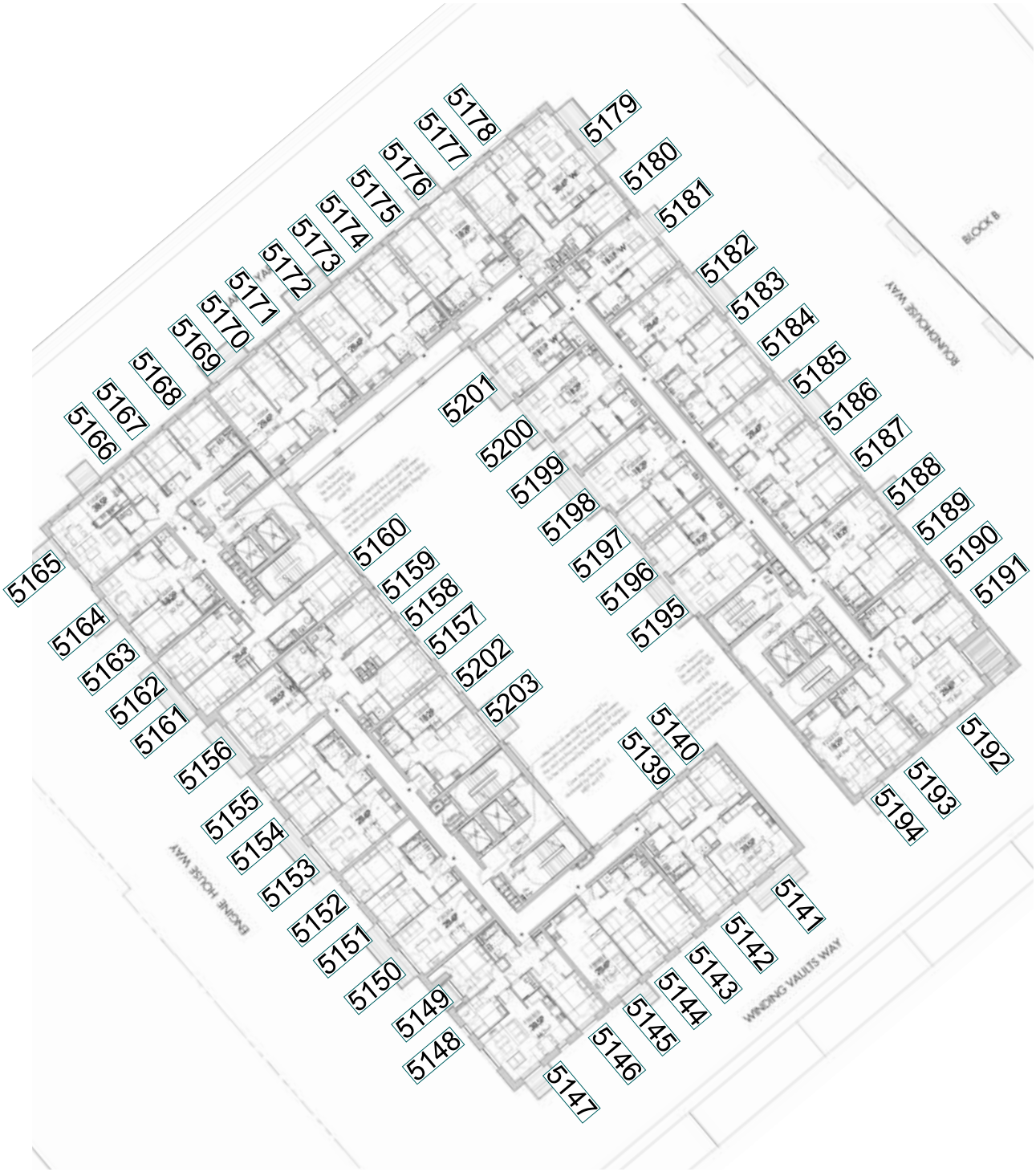
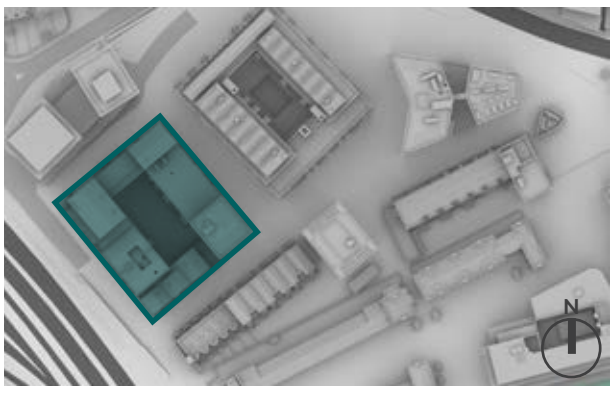


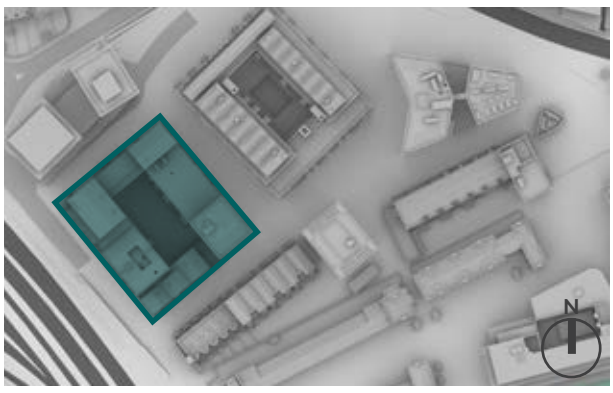
Fig. 46: Floor Plan



Block F Level 4

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKF - LEVEL 04						
5204	FFHV	BEDROOM	379	100	NO	00:00
5205	FFHV	BEDROOM	259	100	NO	00:00
5206	FFHV	L/K/D	438	200	YES	06:23
5207	FFHV	BEDROOM	638	100	YES	05:57
5208	FFHW	BEDROOM	473	100	YES	06:09
5209	FFHW	BEDROOM	457	100	YES	06:00
5210	FFHW	L/K/D	299	200	YES	06:24
5211	FFHX	BEDROOM	599	100	YES	06:16
5212	FFHX	L/K/D	552	200	YES	11:32
5213	FFHX	BEDROOM	569	100	YES	05:34
5214	FFHX	BEDROOM	580	100	YES	03:19
5215	FFHY	L/K/D	464	200	YES	05:53
5216	FFHY	BEDROOM	502	100	YES	04:22
5217	FFHY	BEDROOM	433	100	YES	05:54
5218	FFHZ	L/K/D	461	200	YES	05:52
5219	FFHZ	BEDROOM	580	100	YES	04:22
5220	FFHZ	BEDROOM	439	100	YES	05:54
5221	FFIA	L/K/D	532	200	YES	04:32
5222	FFIA	BEDROOM	232	100	NO	00:03
5223	FFIA	BEDROOM	148	100	NO	00:00
5224	FFIA	BEDROOM	227	100	NO	00:00
5225	FFIB	BEDROOM	270	100	NO	00:00
5226	FFIB	BEDROOM	589	100	YES	05:56
5227	FFIB	L/K/D	326	200	YES	04:27
5228	FFIC	BEDROOM	853	100	YES	06:49
5229	FFIC	L/K/D	360	200	YES	05:07
5230	FFID	L/K/D	1100	200	YES	06:49
5231	FFID	BEDROOM	326	100	NO	00:54
5232	FFID	BEDROOM	216	100	NO	00:54
5233	FFID	BEDROOM	203	100	NO	00:54
5234	FFIE	L/K/D	50	200	YES	01:04
5235	FFIE	BEDROOM	92	100	NO	00:00
5236	FFIE	BEDROOM	139	100	NO	00:00
5237	FFIF	L/K/D	75	200	YES	00:45
5238	FFIF	BEDROOM	130	100	NO	00:00
5239	FFIF	BEDROOM	146	100	NO	00:00
5240	FFIG	BEDROOM	154	100	NO	00:00
5241	FFIG	L/K/D	69	200	NO	00:00
5242	FFIH	BEDROOM	154	100	NO	00:00
5243	FFIH	BEDROOM	254	100	NO	00:00
5244	FFIH	L/K/D	208	200	NO	00:00
5245	FFIH	BEDROOM	152	100	NO	00:00
5246	FFII	STUDIO	119	200	NO	00:45
5247	FFIJ	L/K/D	71	200	NO	00:39
5248	FFIJ	BEDROOM	88	100	NO	00:00
5249	FFIJ	BEDROOM	167	100	NO	00:00
5250	FFIK	L/K/D	77	200	NO	00:00
5251	FFIK	BEDROOM	100	100	NO	00:00
5252	FFIK	BEDROOM	173	100	NO	00:05
5253	FFIL	L/K/D	49	200	NO	00:00
5254	FFIL	BEDROOM	151	100	NO	00:00
5255	FFIM	BEDROOM	221	100	NO	00:00
5256	FFIM	BEDROOM	252	100	NO	00:00
5257	FFIM	L/K/D	376	200	YES	05:41
5258	FFIN	BEDROOM	564	100	YES	05:58
5259	FFIN	L/K/D	435	200	YES	07:15
5260	FFIO	L/K/D	139	200	YES	02:09
5261	FFIO	BEDROOM	412	100	YES	02:19
5262	FFIP	BEDROOM	469	100	YES	03:22
5263	FFIP	L/K/D	114	200	YES	02:07
5264	FFIQ	BEDROOM	339	100	YES	02:42
5265	FFIQ	L/K/D	121	200	YES	02:16
5266	FFIR	STUDIO	182	200	YES	02:44
5267	FFIS	BEDROOM	239	100	NO	00:17
5268	FFIS	L/K/D	153	200	NO	00:49

Fig. 47: Floor Plan



Block F Level 5

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKF - LEVEL 05						
5269	FFIT	L/K/D	427	200	YES	05:53
5270	FFIT	BEDROOM	504	100	YES	04:22
5271	FFIT	BEDROOM	440	100	YES	05:54
5272	FFIU	L/K/D	468	200	YES	05:52
5273	FFIU	BEDROOM	587	100	YES	04:22
5274	FFIU	BEDROOM	450	100	YES	05:54
5275	FFIV	L/K/D	538	200	YES	04:32
5276	FFIV	BEDROOM	295	100	NO	00:03
5277	FFIV	BEDROOM	191	100	NO	00:00
5278	FFIV	BEDROOM	288	100	NO	00:00
5279	FFIW	BEDROOM	348	100	NO	00:00
5280	FFIW	BEDROOM	599	100	YES	05:56
5281	FFIW	L/K/D	329	200	YES	04:27
5282	FFIX	BEDROOM	871	100	YES	06:49
5283	FFIX	L/K/D	364	200	YES	05:07
5284	FFIY	L/K/D	1136	200	YES	06:49
5285	FFIY	BEDROOM	362	100	NO	00:54
5286	FFIY	BEDROOM	236	100	NO	00:54
5287	FFIY	BEDROOM	228	100	NO	00:54
5288	FFIZ	L/K/D	57	200	YES	01:04
5289	FFIZ	BEDROOM	103	100	NO	00:00
5290	FFIZ	BEDROOM	155	100	NO	00:00
5291	FFJA	L/K/D	84	200	YES	00:50
5292	FFJA	BEDROOM	145	100	NO	00:00
5293	FFJA	BEDROOM	161	100	NO	00:00
5294	FFJB	BEDROOM	174	100	NO	00:00
5295	FFJB	L/K/D	78	200	NO	00:00
5296	FFJC	BEDROOM	174	100	NO	00:00
5297	FFJC	BEDROOM	279	100	NO	00:00
5298	FFJC	L/K/D	237	200	NO	00:00
5299	FFJC	BEDROOM	185	100	NO	00:00
5300	FFJD	STUDIO	145	200	NO	00:08
5301	FFJE	L/K/D	90	200	NO	01:10
5302	FFJE	BEDROOM	117	100	NO	00:04
5303	FFJE	BEDROOM	206	100	NO	00:00
5304	FFJF	L/K/D	98	200	NO	00:00
5305	FFJF	BEDROOM	139	100	NO	00:00
5306	FFJF	BEDROOM	221	100	NO	00:05
5307	FFJG	L/K/D	62	200	NO	00:04
5308	FFJG	BEDROOM	188	100	NO	00:00
5309	FFJH	BEDROOM	272	100	NO	00:00
5310	FFJH	BEDROOM	298	100	NO	00:00
5311	FFJH	L/K/D	438	200	YES	05:41
5312	FFJI	BEDROOM	642	100	YES	05:58
5313	FFJI	L/K/D	571	200	YES	07:54
5314	FFJJ	L/K/D	212	200	YES	02:59
5315	FFJJ	BEDROOM	493	100	YES	03:00
5316	FFJJ	BEDROOM	615	100	YES	05:10
5317	FFJK	L/K/D	176	200	YES	02:56
5318	FFJK	BEDROOM	447	100	YES	02:49
5319	FFJK	BEDROOM	492	100	YES	02:23
5320	FFJL	STUDIO	244	200	YES	02:55
5321	FFJM	BEDROOM	299	100	NO	00:17
5322	FFJM	L/K/D	209	200	NO	01:25

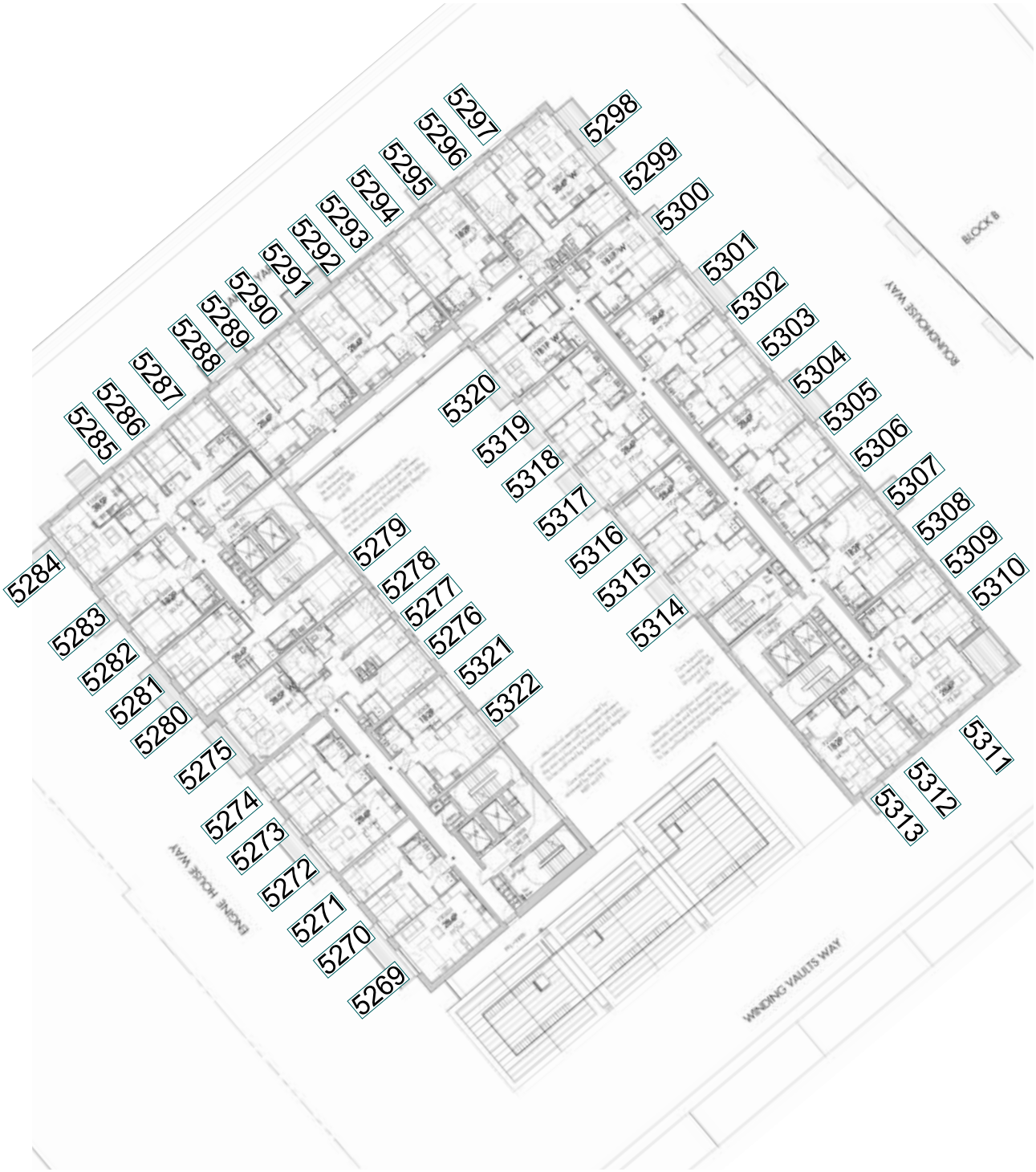
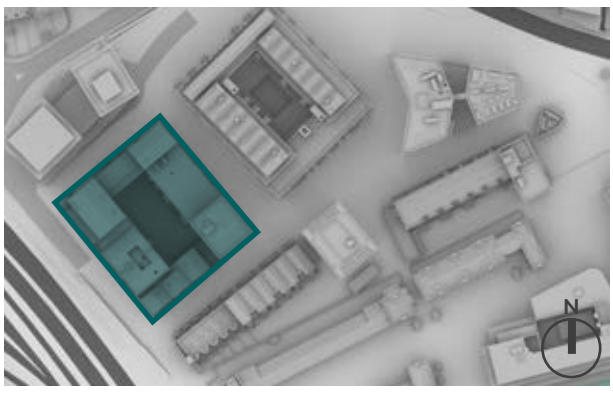


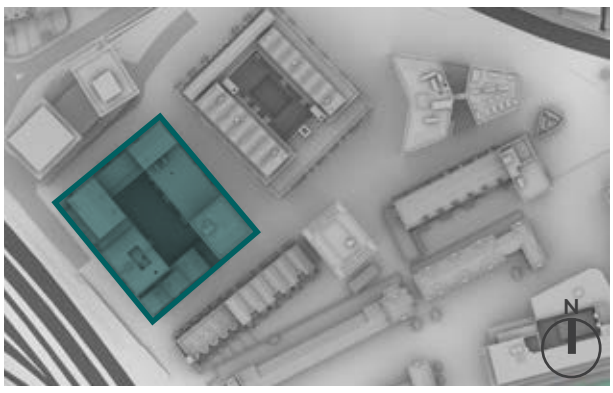
Fig. 48: Floor Plan



Block F Level 6

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKF - LEVEL 06						
5323	FFJN	L/K/D	571	200	YES	06:58
5324	FFJN	BEDROOM	698	100	YES	06:22
5325	FFJN	BEDROOM	452	100	YES	05:54
5326	FFJO	L/K/D	627	200	YES	06:58
5327	FFJO	BEDROOM	827	100	YES	06:33
5328	FFJO	BEDROOM	465	100	YES	05:54
5329	FFJP	L/K/D	751	200	YES	06:29
5330	FFJP	BEDROOM	339	100	NO	00:03
5331	FFJP	BEDROOM	223	100	NO	00:00
5332	FFJP	BEDROOM	329	100	NO	00:00
5333	FFJQ	BEDROOM	403	100	NO	00:00
5334	FFJQ	BEDROOM	664	100	YES	06:48
5335	FFJQ	L/K/D	352	200	YES	05:31
5336	FFJR	BEDROOM	888	100	YES	05:51
5337	FFJR	L/K/D	401	200	YES	06:49
5338	FFJS	L/K/D	1349	200	YES	06:49
5339	FFJS	BEDROOM	400	100	NO	00:54
5340	FFJS	BEDROOM	264	100	NO	00:54
5341	FFJS	BEDROOM	251	100	NO	00:54
5342	FFJT	L/K/D	94	200	YES	01:04
5343	FFJT	BEDROOM	117	100	NO	00:00
5344	FFJT	BEDROOM	175	100	NO	00:00
5345	FFJU	L/K/D	135	200	YES	00:57
5346	FFJU	BEDROOM	162	100	NO	00:00
5347	FFJU	BEDROOM	179	100	NO	00:00
5348	FFJV	BEDROOM	192	100	NO	00:00
5349	FFJV	L/K/D	94	200	NO	00:00
5350	FFJW	BEDROOM	195	100	NO	00:00
5351	FFJW	BEDROOM	304	100	NO	00:00
5352	FFJW	L/K/D	303	200	NO	00:00
5353	FFJW	BEDROOM	232	100	NO	00:00
5354	FFJX	STUDIO	242	200	NO	01:02
5355	FFJY	L/K/D	192	200	NO	01:32
5356	FFJY	BEDROOM	159	100	NO	00:05
5357	FFJY	BEDROOM	295	100	NO	00:55
5358	FFJZ	L/K/D	207	200	NO	00:00
5359	FFJZ	BEDROOM	182	100	NO	00:00
5360	FFJZ	BEDROOM	292	100	NO	00:05
5361	FFKA	L/K/D	91	200	NO	00:04
5362	FFKA	BEDROOM	233	100	NO	00:00
5363	FFKB	BEDROOM	321	100	NO	00:00
5364	FFKB	BEDROOM	341	100	NO	00:00
5365	FFKB	L/K/D	474	200	YES	05:41
5366	FFKC	BEDROOM	687	100	YES	05:08
5367	FFKC	L/K/D	724	200	YES	09:45
5368	FFKD	L/K/D	497	200	YES	05:38
5369	FFKD	BEDROOM	649	100	YES	04:57
5370	FFKD	BEDROOM	761	100	YES	05:15
5371	FFKE	L/K/D	437	200	YES	04:41
5372	FFKE	BEDROOM	636	100	YES	03:39
5373	FFKE	BEDROOM	977	100	YES	04:11
5374	FFKF	STUDIO	507	200	YES	04:04
5375	FFKG	BEDROOM	341	100	NO	00:17
5376	FFKG	L/K/D	371	200	NO	01:25

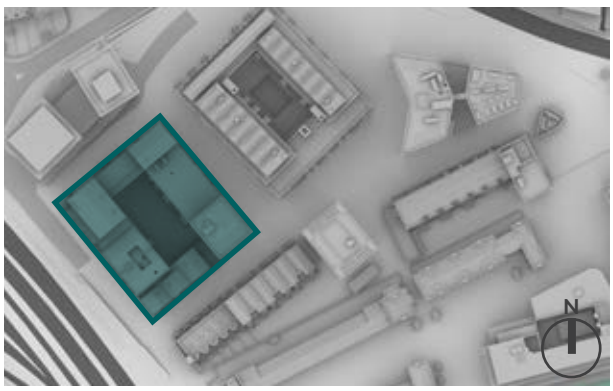
Fig. 49: Floor Plan



Block F Level 7

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKF - LEVEL 07						
5377	FFKH	BEDROOM	424	100	NO	00:13
5378	FFKH	BEDROOM	1333	100	YES	11:02
5379	FFKH	L/K/D	458	200	YES	06:49
5380	FFKI	BEDROOM	920	100	YES	06:49
5381	FFKI	L/K/D	520	200	YES	06:49
5382	FFKJ	L/K/D	1118	200	YES	06:49
5383	FFKJ	BEDROOM	302	100	NO	00:54
5384	FFKJ	BEDROOM	440	100	NO	01:12
5385	FFKK	BEDROOM	737	100	YES	05:11
5386	FFKK	L/K/D	145	200	NO	00:00
5387	FFKL	BEDROOM	237	100	NO	00:00
5388	FFKL	BEDROOM	323	100	NO	00:00
5389	FFKL	L/K/D	515	200	NO	00:07
5390	FFKL	BEDROOM	614	100	YES	05:11
5391	FFKM	L/K/D	315	200	NO	00:01
5392	FFKM	BEDROOM	302	100	NO	00:00
5393	FFKN	BEDROOM	374	100	NO	00:00
5394	FFKN	BEDROOM	390	100	NO	00:00
5395	FFKN	L/K/D	631	200	YES	05:40
5396	FFKO	BEDROOM	743	100	YES	06:01
5397	FFKO	L/K/D	757	200	YES	09:38

Fig. 50: Floor Plan



Block F Level 8

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKF - LEVEL 08						
5398	FFKP	BEDROOM	1275	100	YES	05:56
5399	FFKP	BEDROOM	1854	100	YES	11:02
5400	FFKP	L/K/D	863	200	YES	06:49
5401	FFKQ	BEDROOM	814	100	YES	06:49
5402	FFKQ	L/K/D	1084	200	YES	06:49
5403	FFKQ	BEDROOM	494	100	NO	00:54
5404	FFKQ	BEDROOM	681	100	NO	01:20
5405	FFKR	L/K/D	369	200	NO	00:49
5406	FFKR	BEDROOM	350	100	NO	00:18
5407	FFKS	BEDROOM	420	100	NO	00:18
5408	FFKS	BEDROOM	431	100	NO	00:18
5409	FFKS	L/K/D	669	200	YES	05:58
5410	FFKT	BEDROOM	771	100	YES	06:06
5411	FFKT	L/K/D	794	200	YES	09:54

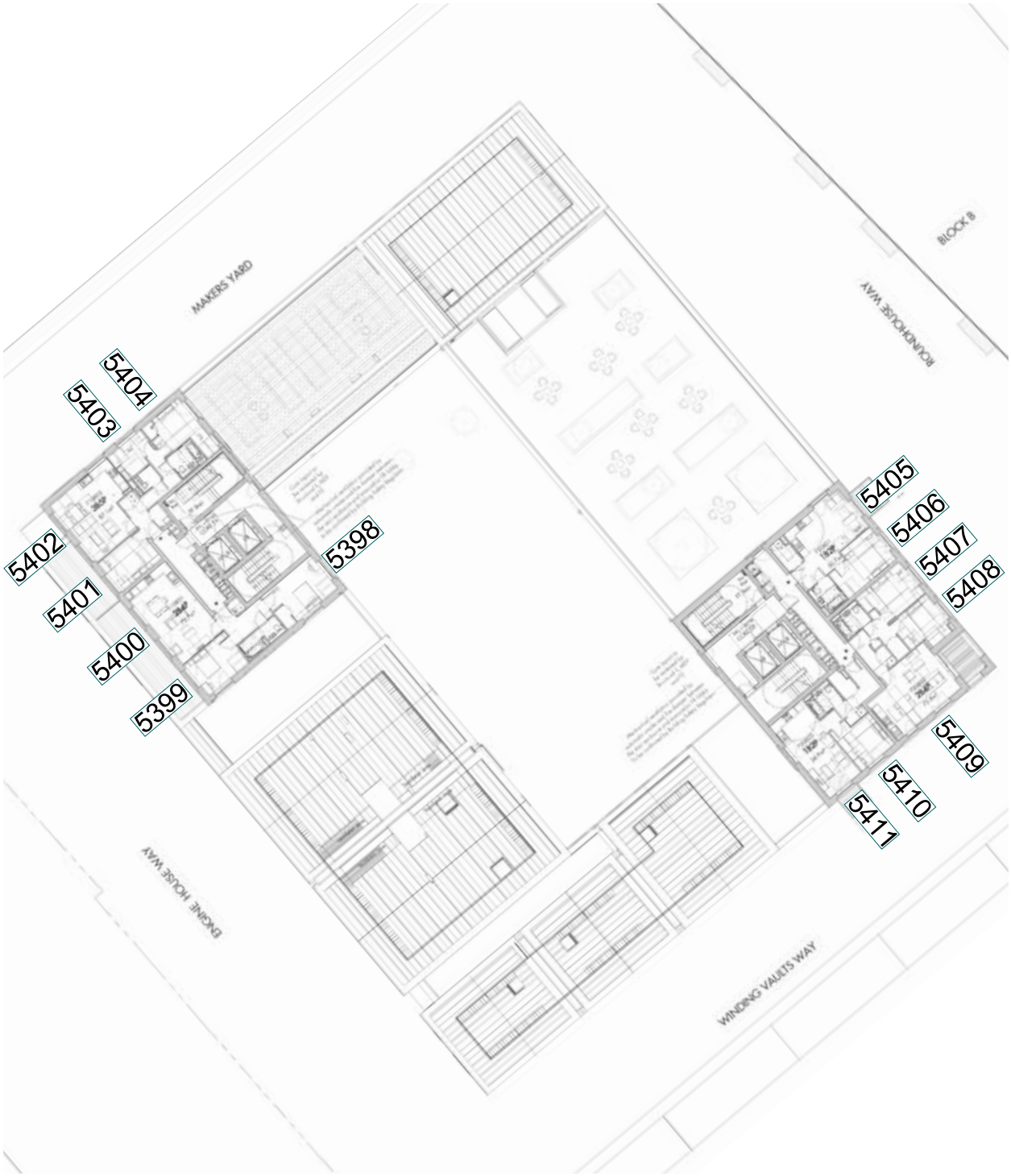
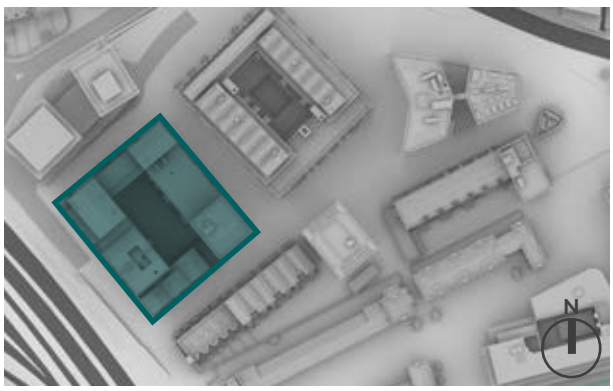


Fig. 51: Floor Plan



Block F Level 9

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKF - LEVEL 09						
5412	FFKU	L/K/D	412	200	NO	01:46
5413	FFKU	BEDROOM	389	100	NO	00:50
5414	FFKV	BEDROOM	463	100	NO	00:45
5415	FFKV	BEDROOM	472	100	NO	00:44
5416	FFKV	L/K/D	704	200	YES	06:21
5417	FFKW	BEDROOM	794	100	YES	06:27
5418	FFKW	L/K/D	829	200	YES	10:12

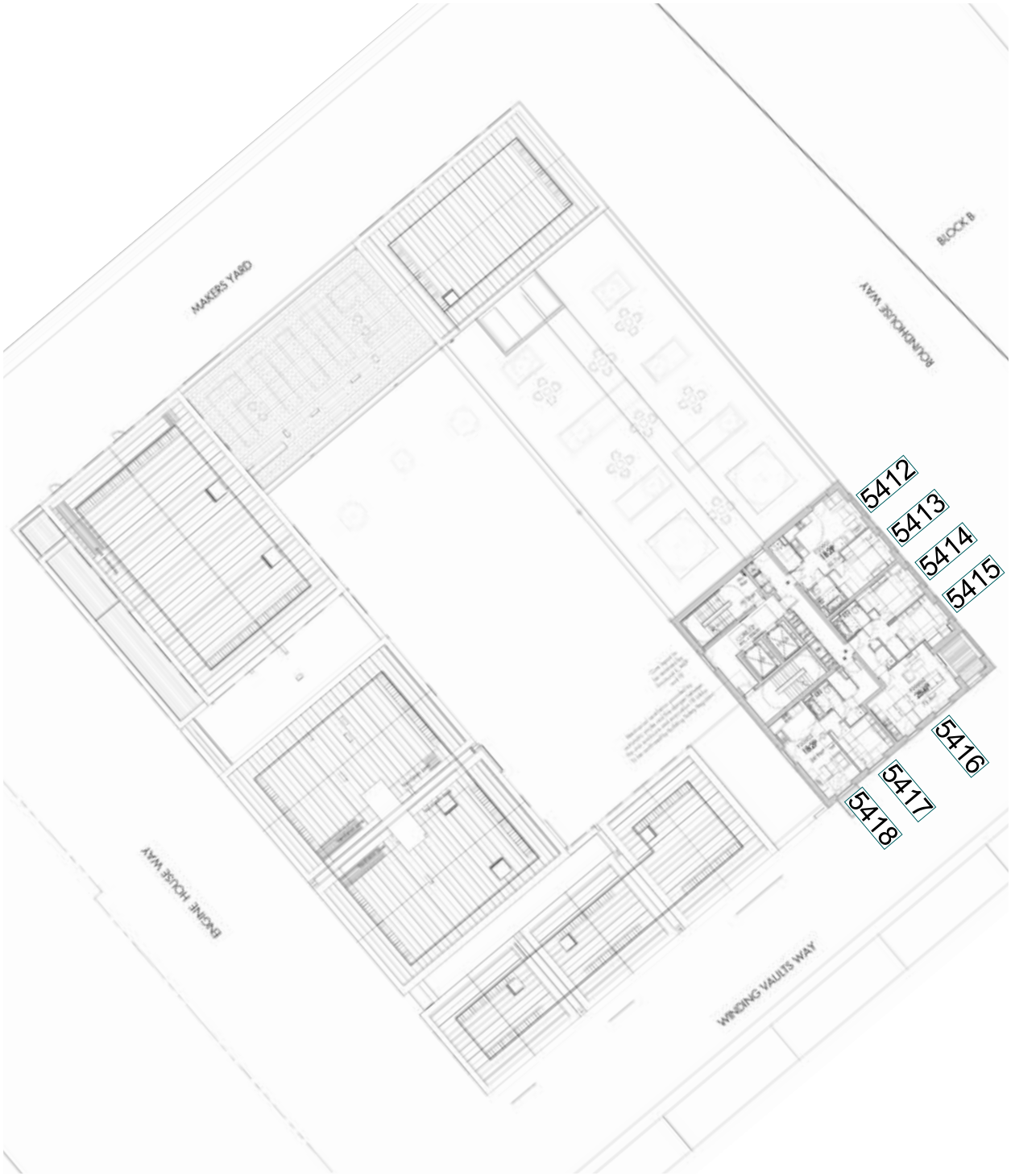
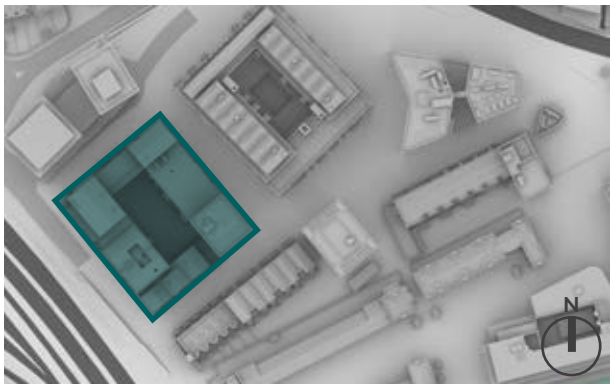


Fig. 52: Floor Plan



Block F Level 10

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT BY ROOM	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	WINDOW WITHIN 90° DUE SOUTH	21 MAR
BLOCKF - LEVEL 10						
5419	FFKX	L/K/D	533	200	NO	02:46
5420	FFKX	BEDROOM	425	100	NO	01:32
5421	FFKY	BEDROOM	493	100	NO	01:17
5422	FFKY	BEDROOM	503	100	NO	01:11
5423	FFKY	L/K/D	706	200	YES	06:39
5424	FFKZ	BEDROOM	817	100	YES	06:42
5425	FFKZ	L/K/D	1018	200	YES	11:43

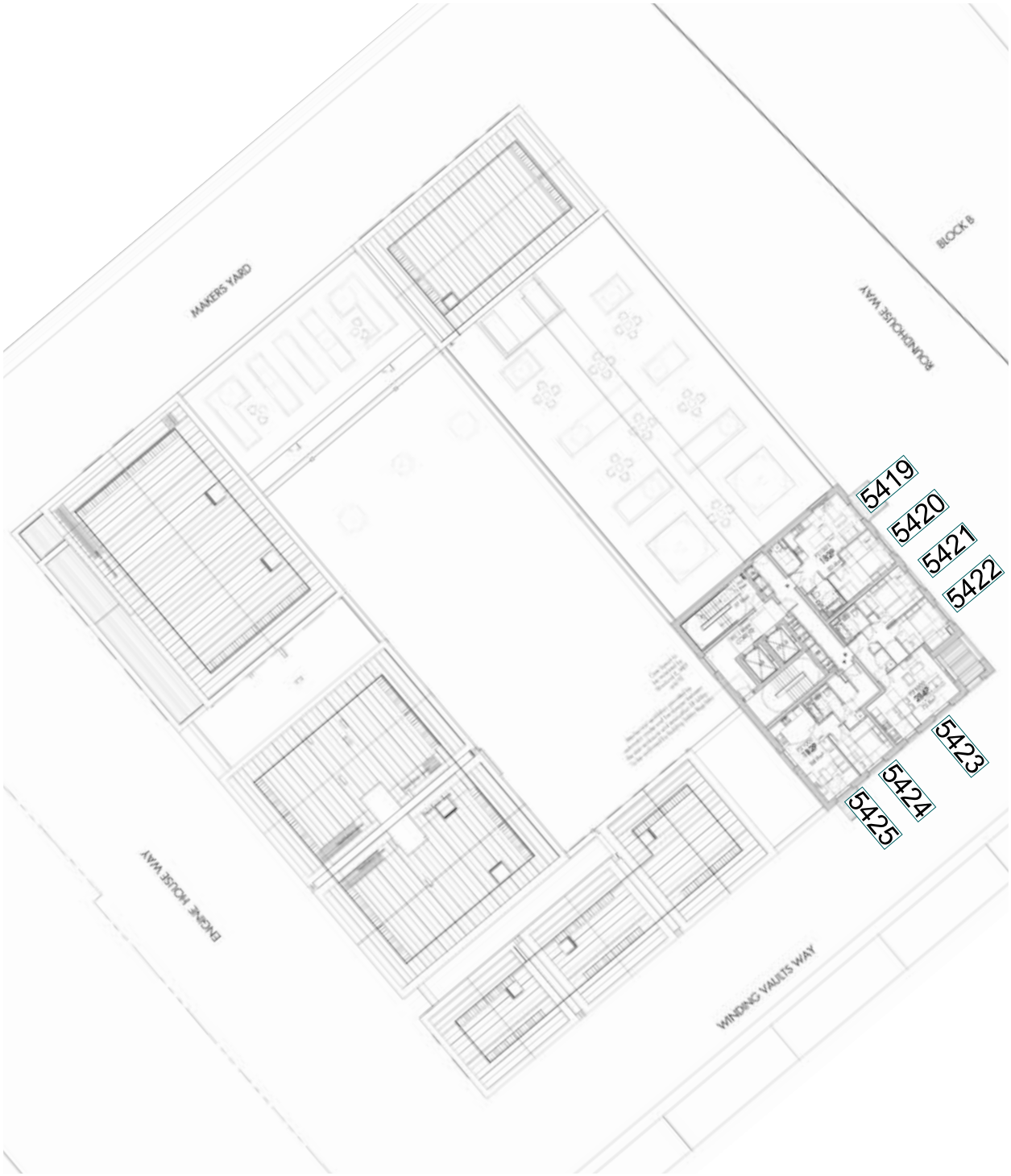
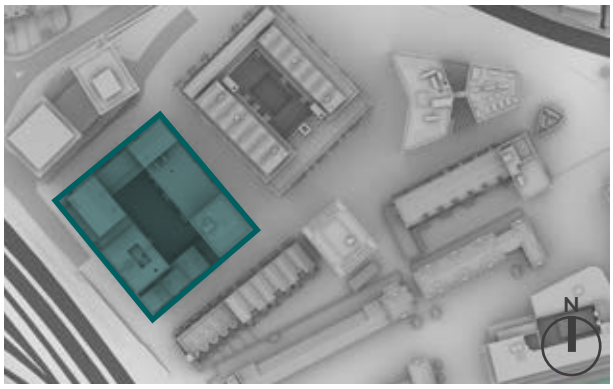
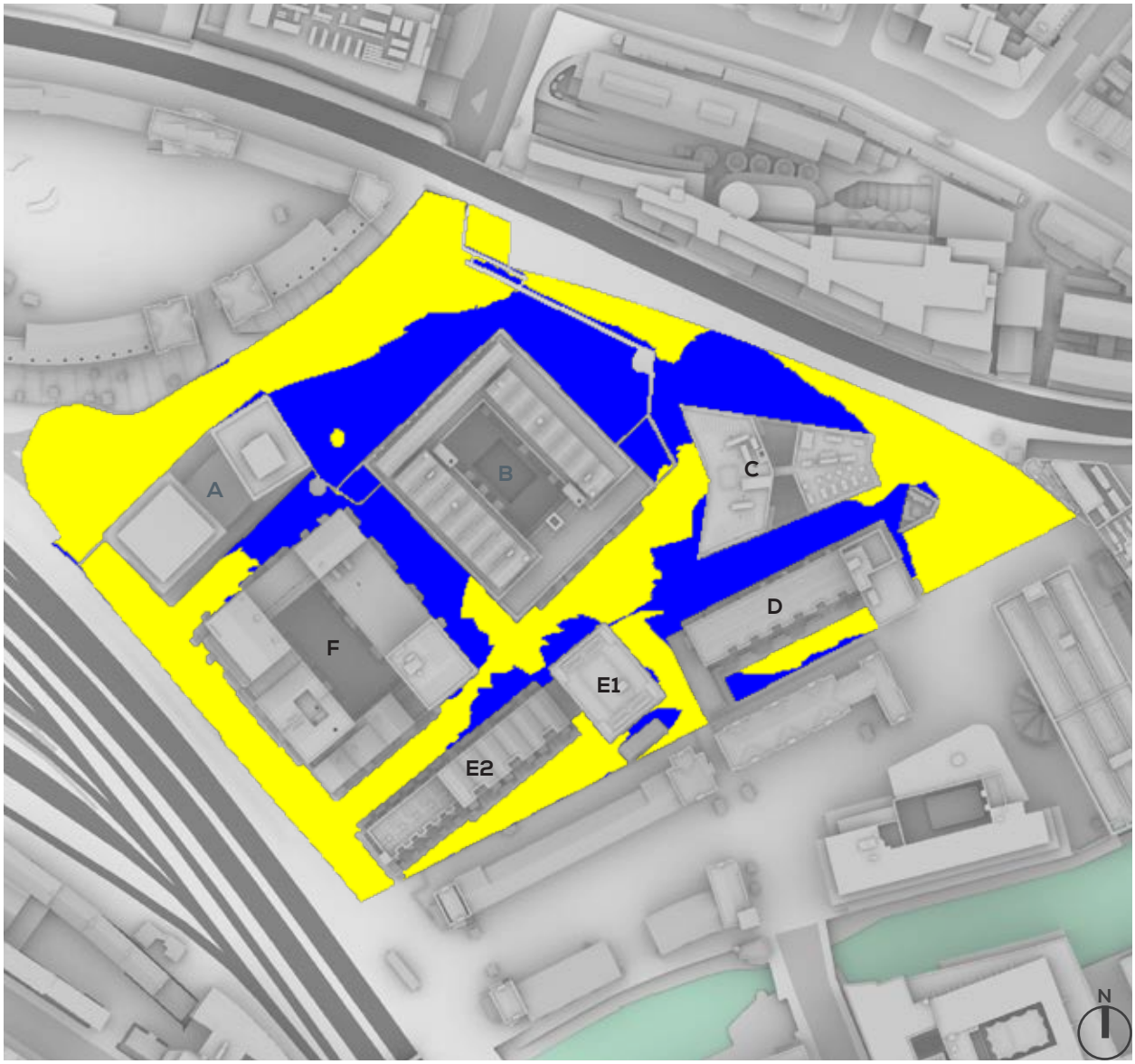


Fig. 53: Floor Plan



8 OVERSHADOWING ASSESSMENTS

GROUND FLOOR OPEN SPACES
BRE TEST

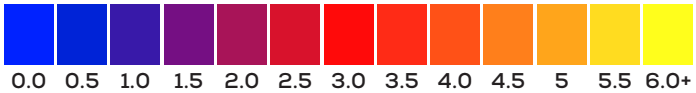


% AREA SEEING 2+ HOURS OF SUNLIGHT ON 21ST MARCH:
- GROUND FLOOR OPEN SPACES: 63%

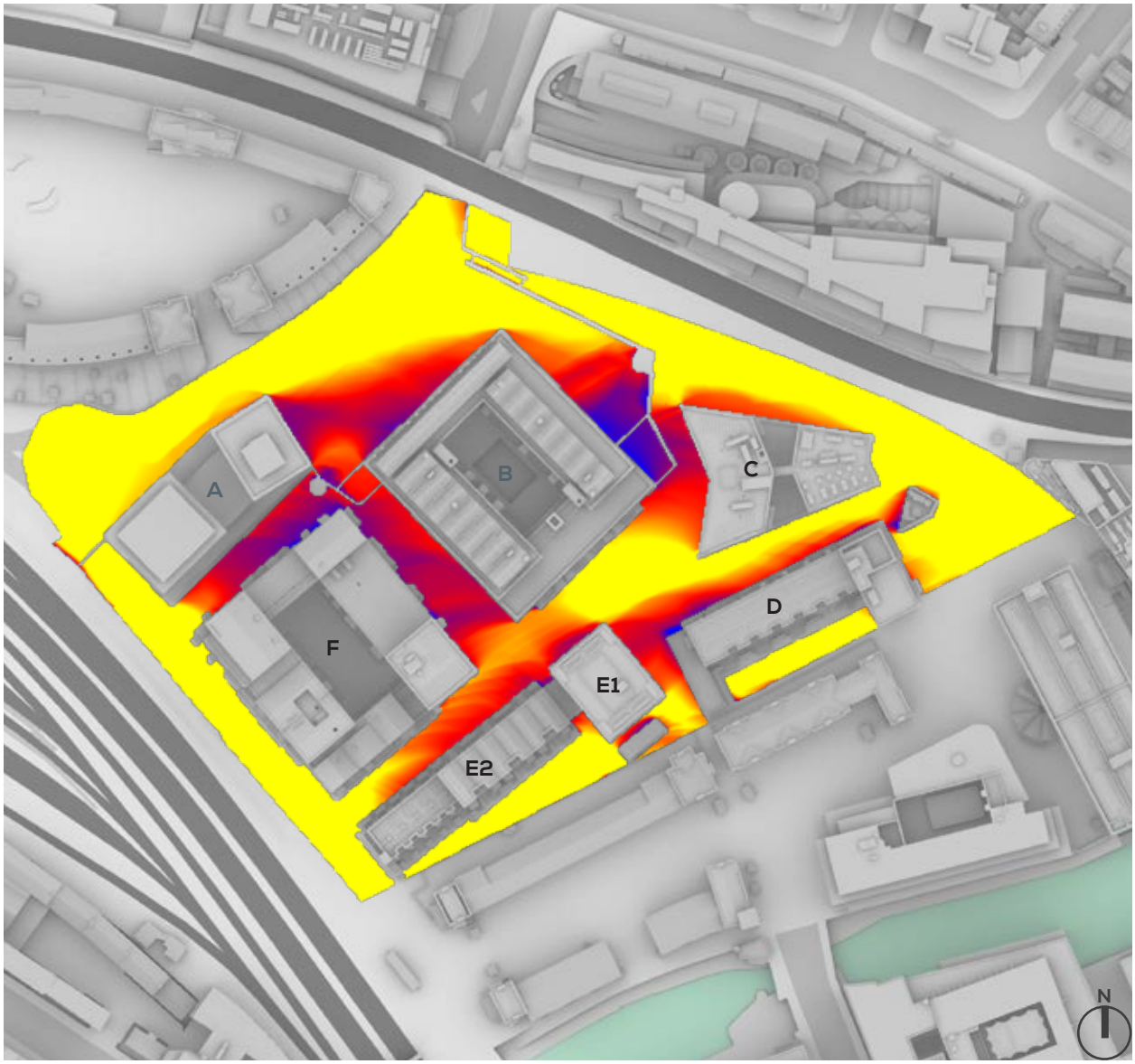
SUN HOURS ON GROUND
BRE TEST - 21ST MARCH

GROUND FLOOR OPEN SPACES
SUN EXPOSURE - 21ST MARCH (SPRING EQUINOX)

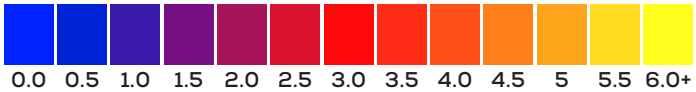
SUN EXPOSURE
TOTAL HOURS



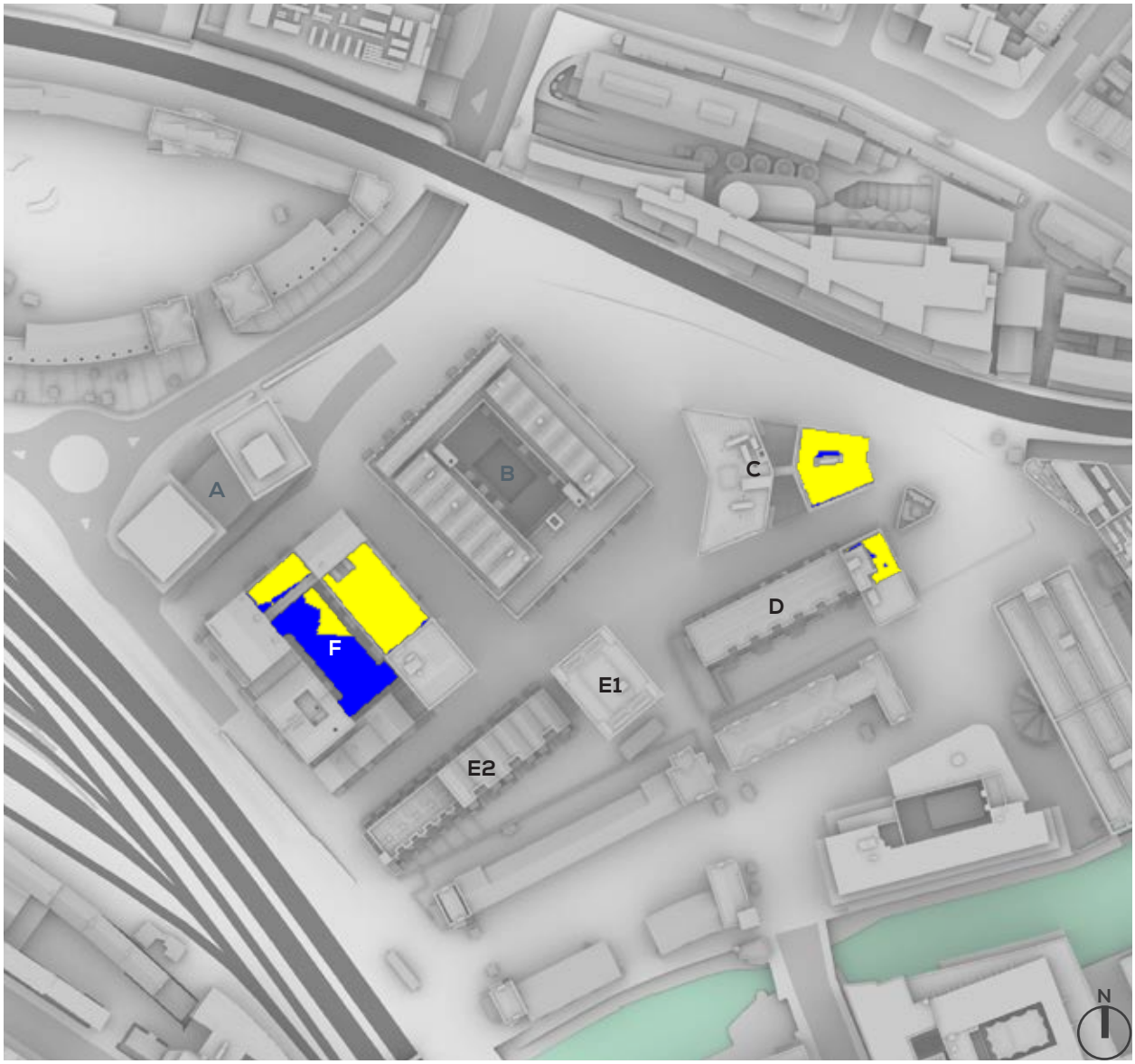
GROUND FLOOR OPEN SPACES
SUN EXPOSURE - 21ST JUNE (SUMMER SOLSTICE)



SUN EXPOSURE
TOTAL HOURS



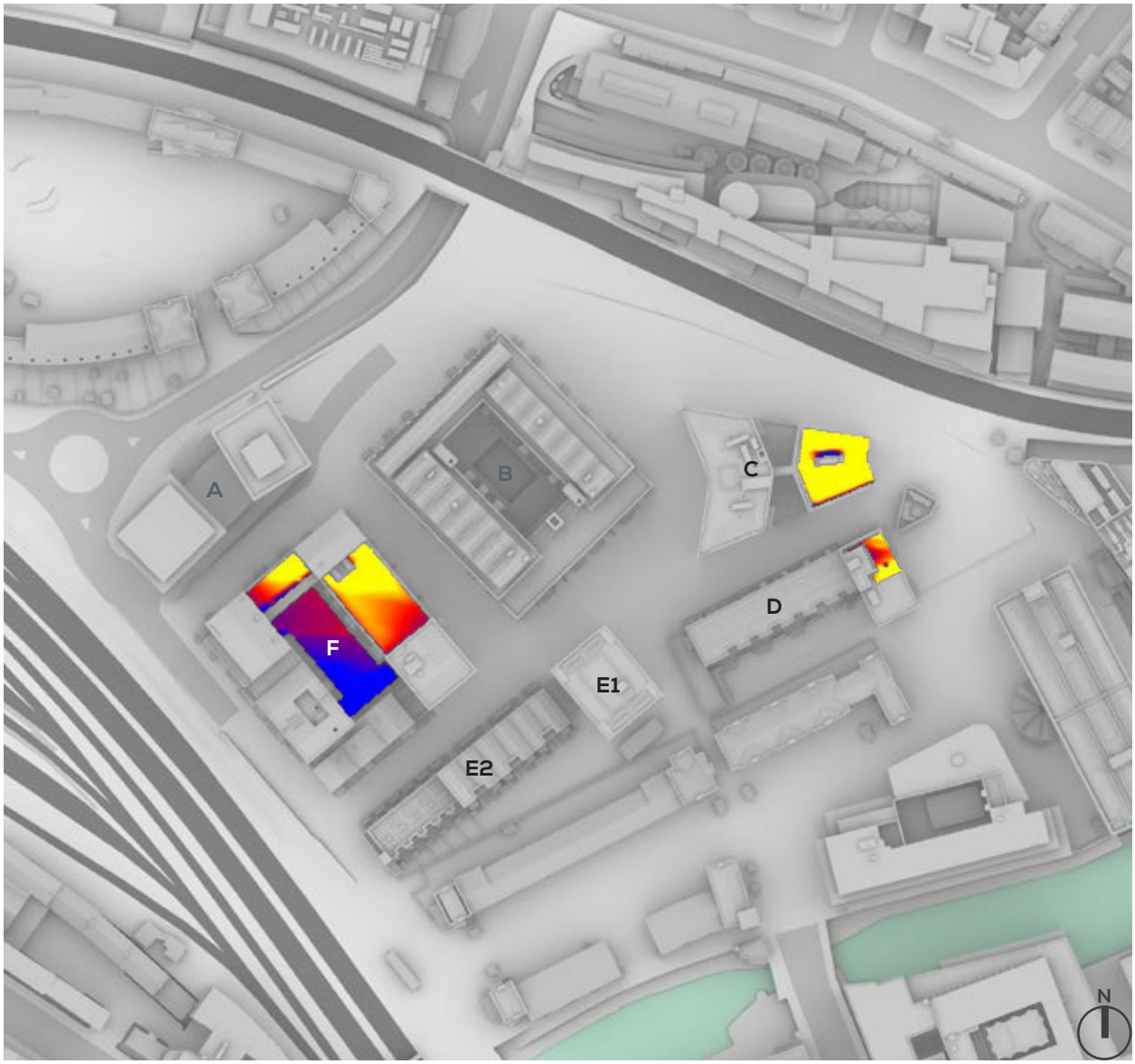
COMMUNAL OPEN SPACES AND ROOF TERRACES
BRE TEST



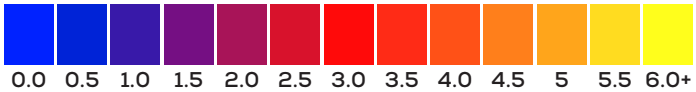
% AREA SEEING 2+ HOURS OF SUNLIGHT ON 21ST MARCH:
- BUILDING C: 94%
- BUILDING D: 90%
- BUILDING F COURTYARD: 15%
- BUILDING F EASTERN TERRACE: 97%
- BUILDING F NORTHERN TERRACE: 82%

SUN HOURS ON GROUND
BRE TEST - 21ST MARCH

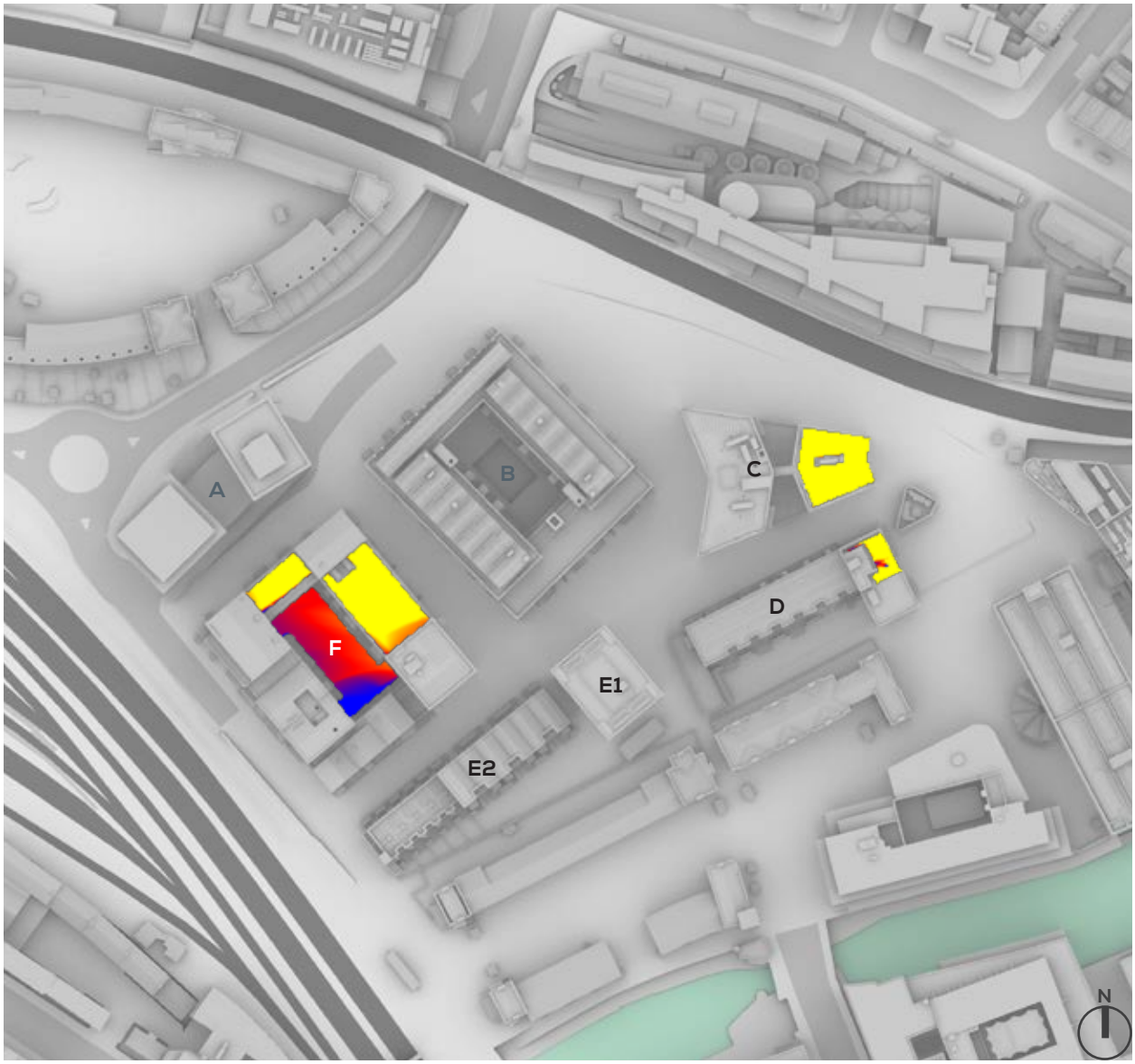
COMMUNAL OPEN SPACES AND ROOF TERRACES
SUN EXPOSURE - 21ST MARCH (SPRING EQUINOX)



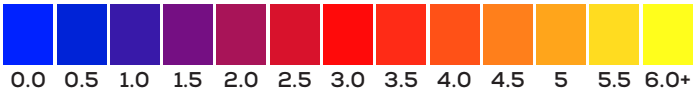
SUN EXPOSURE
TOTAL HOURS



COMMUNAL OPEN SPACES AND ROOF TERRACES
SUN EXPOSURE - 21ST JUNE (SUMMER SOLSTICE)



SUN EXPOSURE
TOTAL HOURS



9 EFFECTS ON CONSENTED BLOCKS A AND B

DAYLIGHT POTENTIAL

BLOCK A

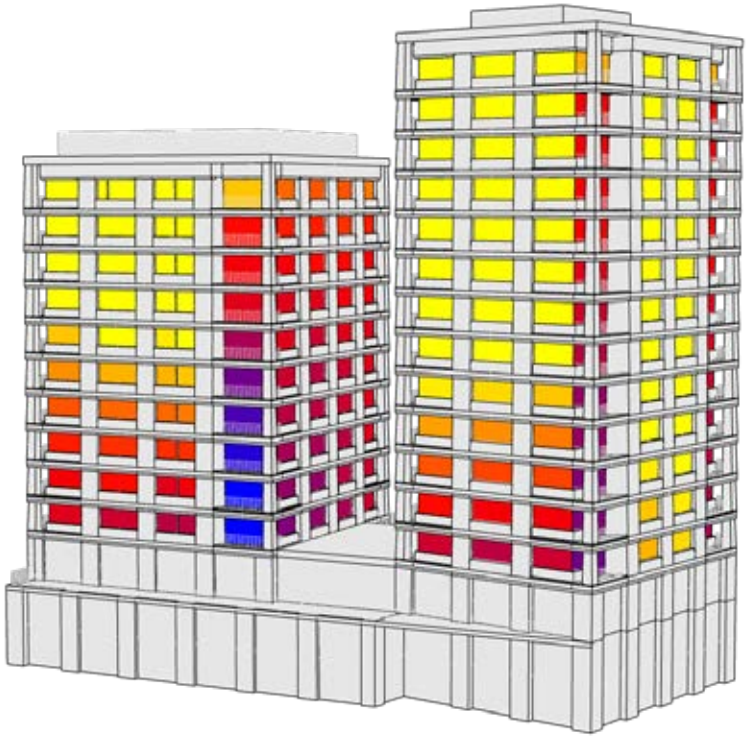


Fig. 54: Consented Vertical Sky Component (VSC)

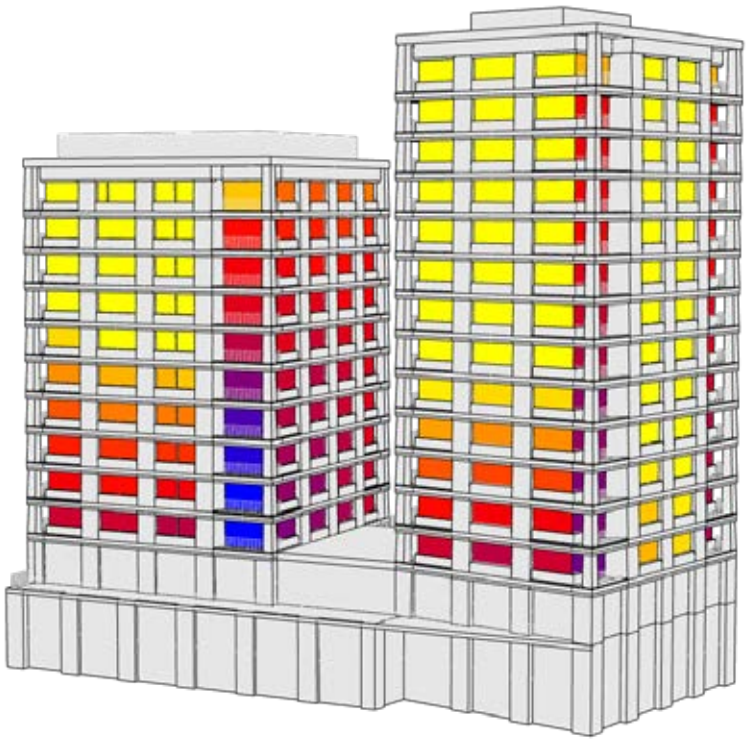


Fig. 55: Proposed Vertical Sky Component (VSC)

Fig. 56: VSC Reduction

VSC reductions:

- <20% - Negligible
- 20% to 30% - Minor
- 30% to 40% - Moderate
- >40% - Major

DAYLIGHT POTENTIAL

BLOCK A

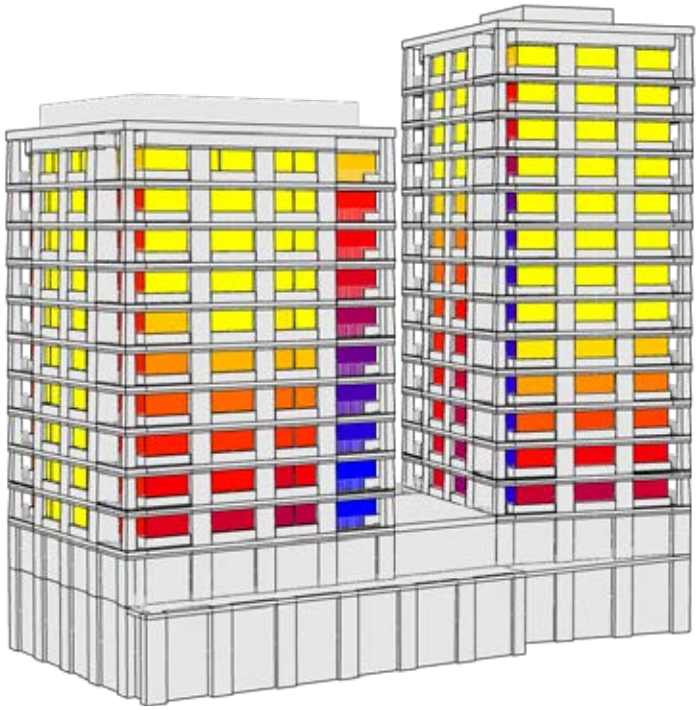


Fig. 57: Consented Vertical Sky Component (VSC)

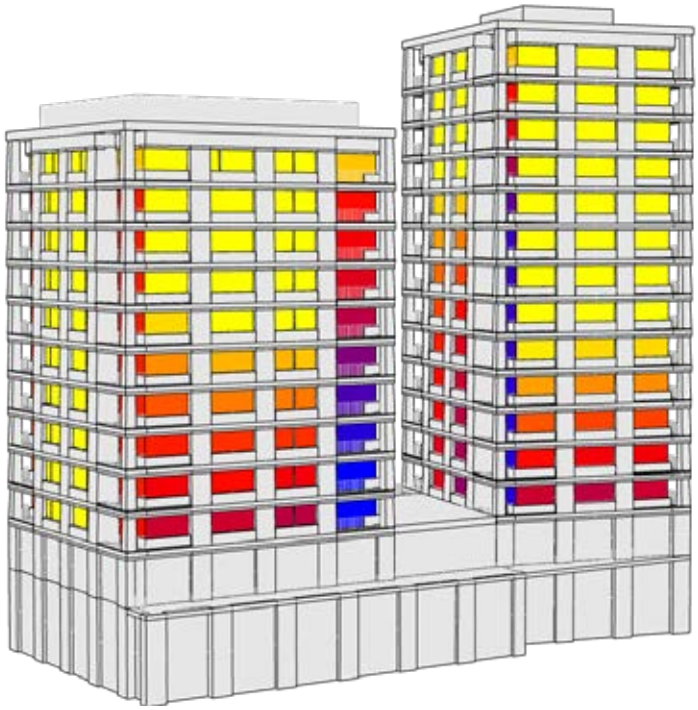


Fig. 58: Proposed Vertical Sky Component (VSC)

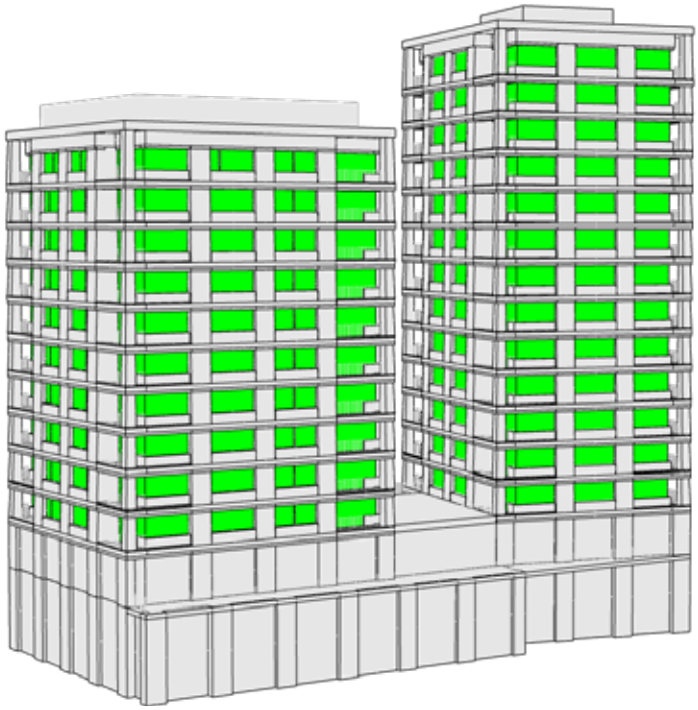
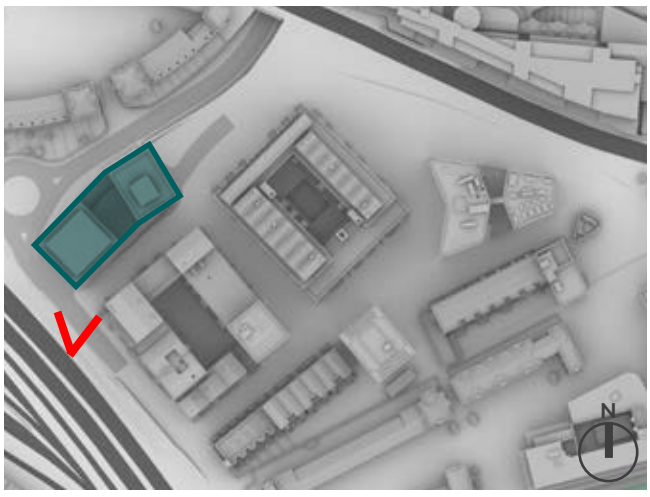


Fig. 59: VSC Reduction

VSC reductions:

- <20% - Negligible
- 20% to 30% - Minor
- 30% to 40% - Moderate
- >40% - Major



DAYLIGHT POTENTIAL

BLOCK B

Fig. 60: Consented Vertical Sky Component (VSC)

Fig. 61: Proposed Vertical Sky Component (VSC)

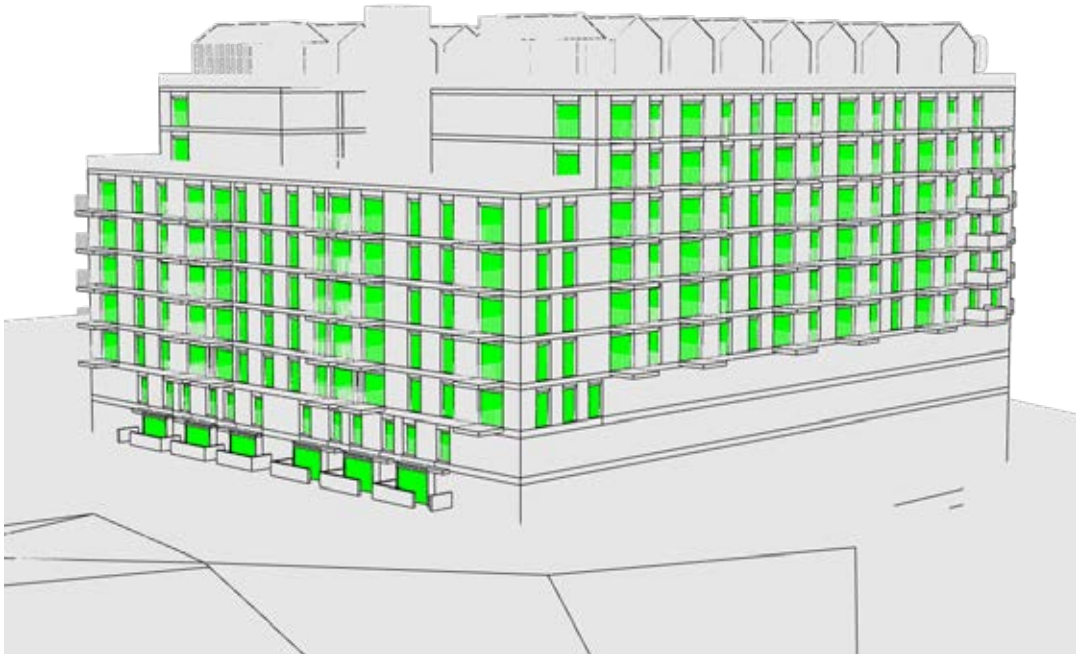
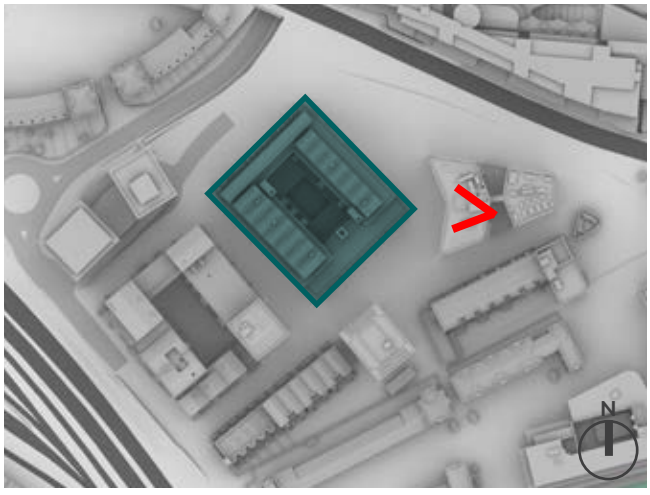


Fig. 62: VSC Reduction

VSC reductions:

- <20% - Negligible
- 20% to 30% - Minor
- 30% to 40% - Moderate
- >40% - Major



DAYLIGHT POTENTIAL

BLOCK B

Fig. 63: Consented Vertical Sky Component (VSC)

Fig. 64: Proposed Vertical Sky Component (VSC)

Fig. 65: VSC Reduction

VSC reductions:

- <20% - Negligible
- 20% to 30% - Minor
- 30% to 40% - Moderate
- >40% - Major

SUN EXPOSURE

BLOCK A

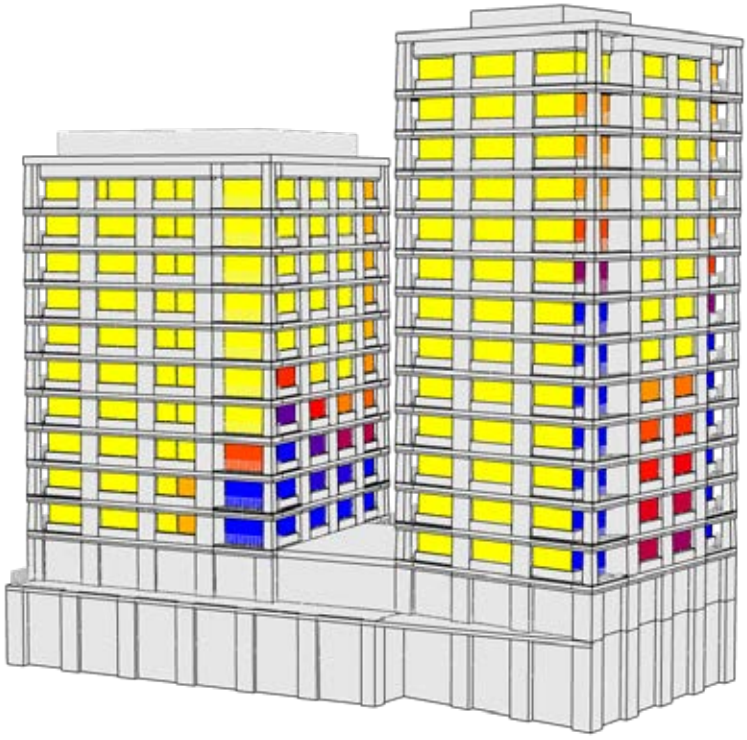


Fig. 66: Consented Sun Exposure

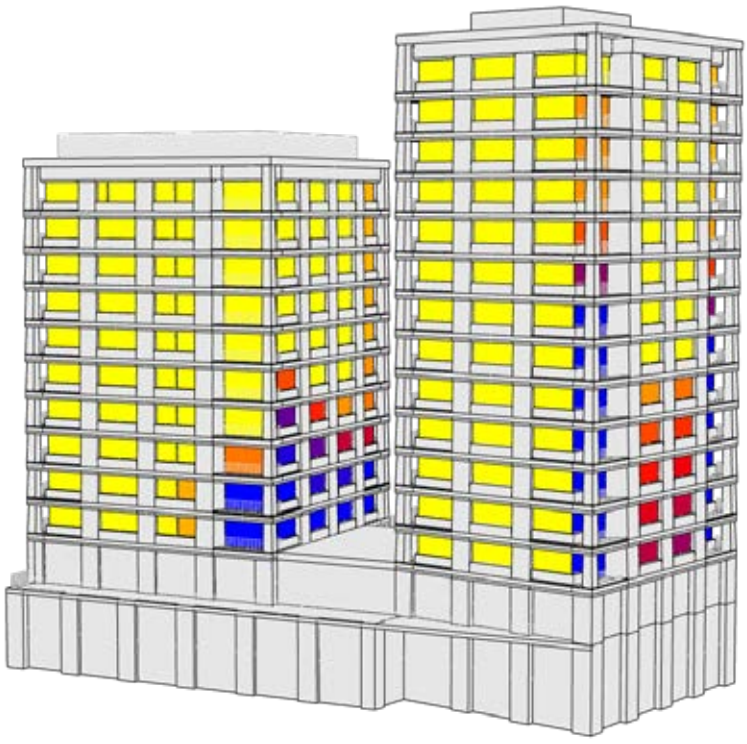


Fig. 67: Proposed Sun Exposure

Fig. 68: Sun Exposure Reduction

SUN EXPOSURE

BLOCK A

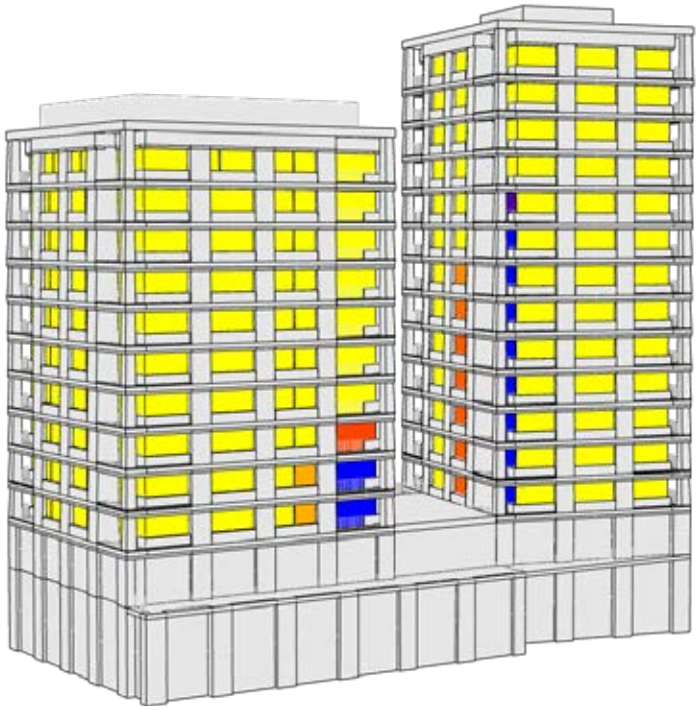


Fig. 69: Consented Sun Exposure

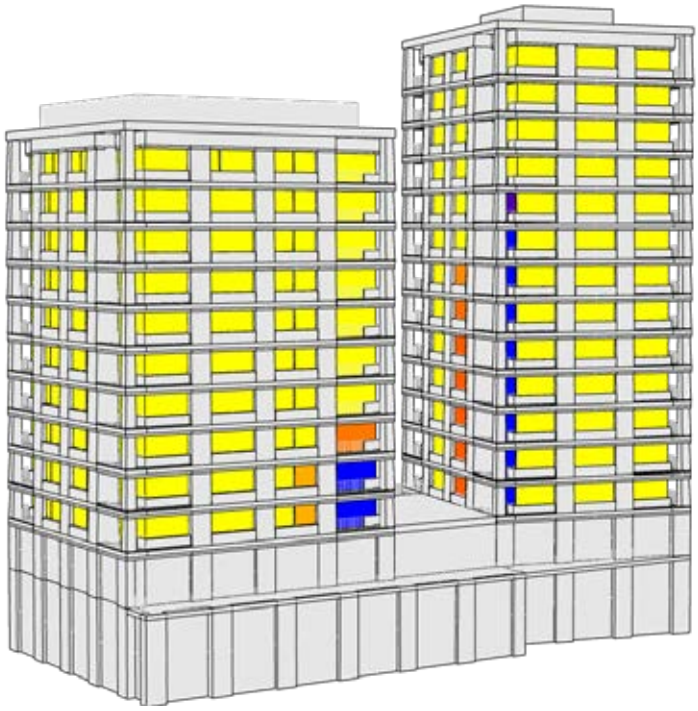


Fig. 70: Proposed Sun Exposure

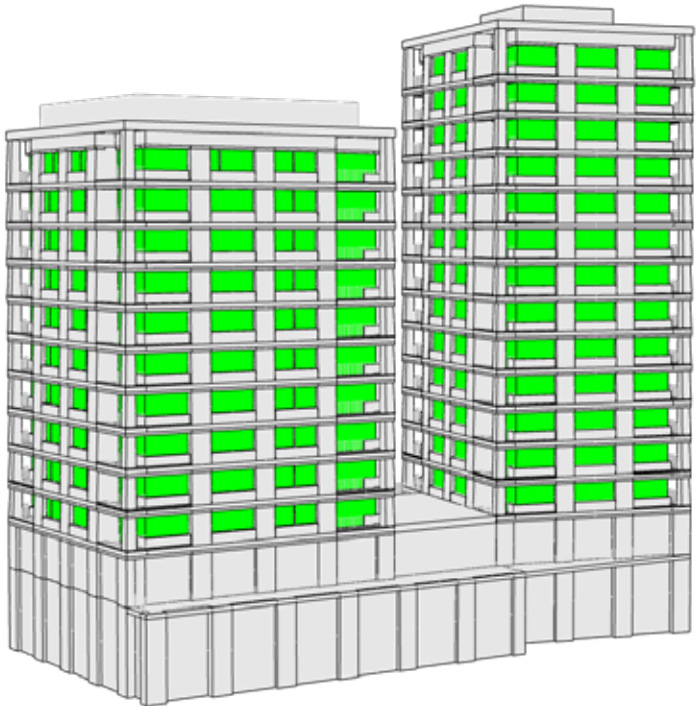


Fig. 71: Sun Exposure Reduction

SUN EXPOSURE

BLOCK B

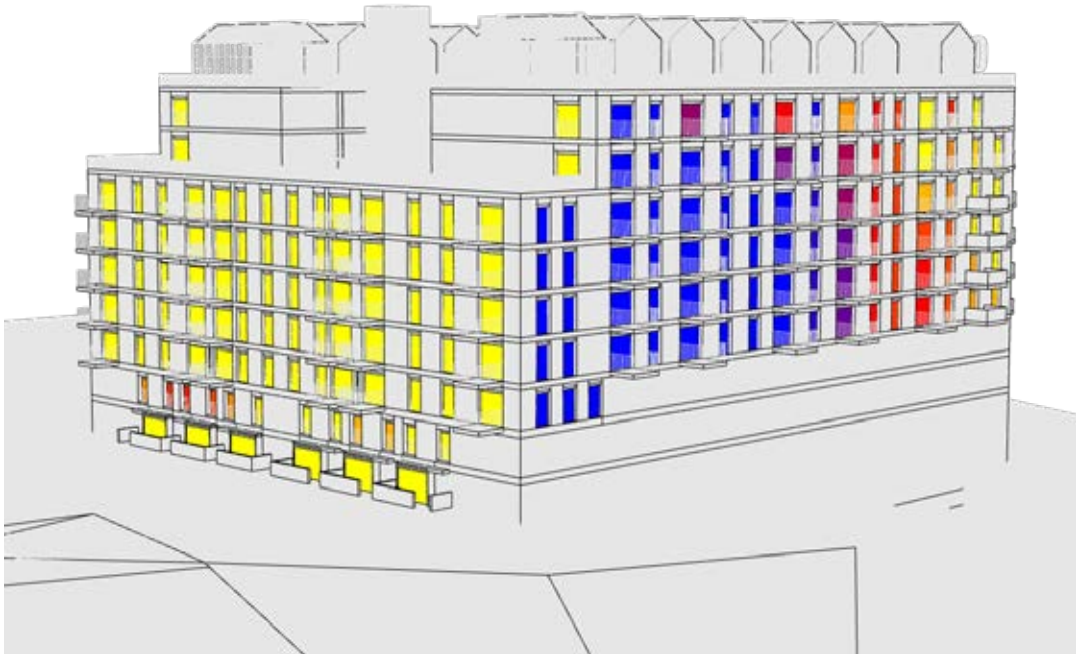


Fig. 72: Consented Sun Exposure

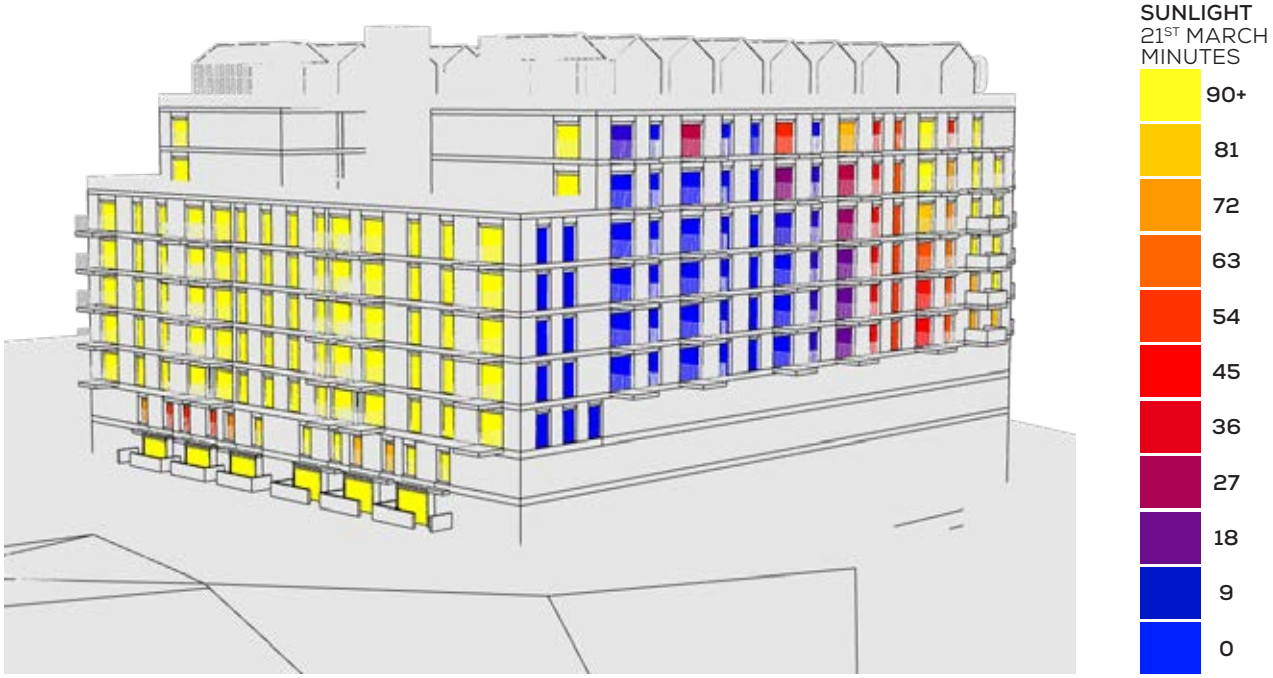


Fig. 73: Proposed Sun Exposure

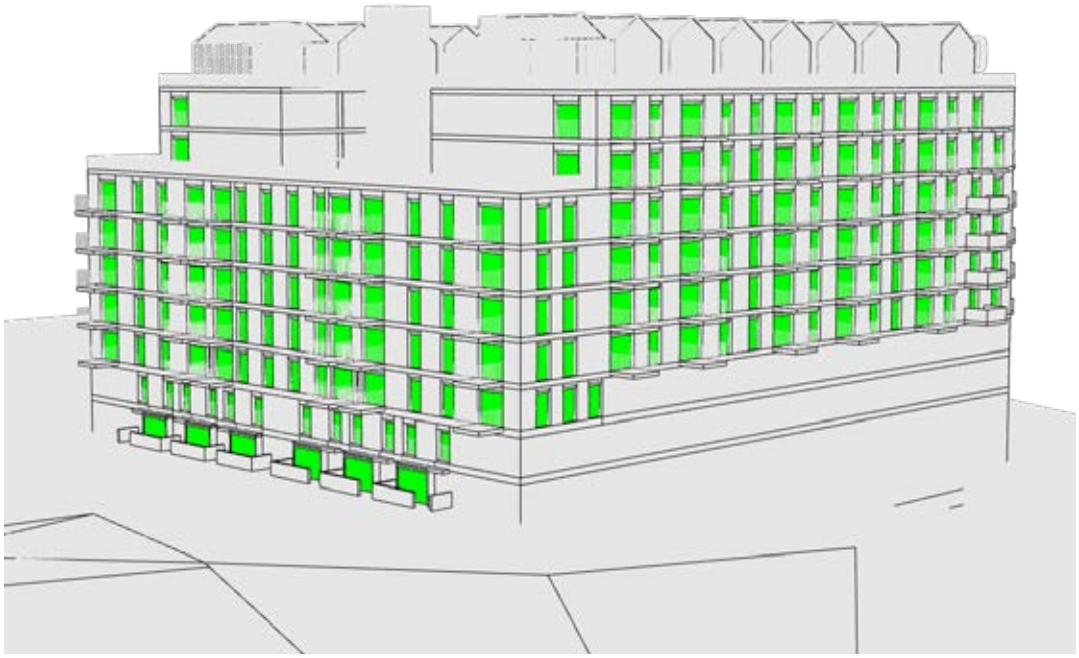
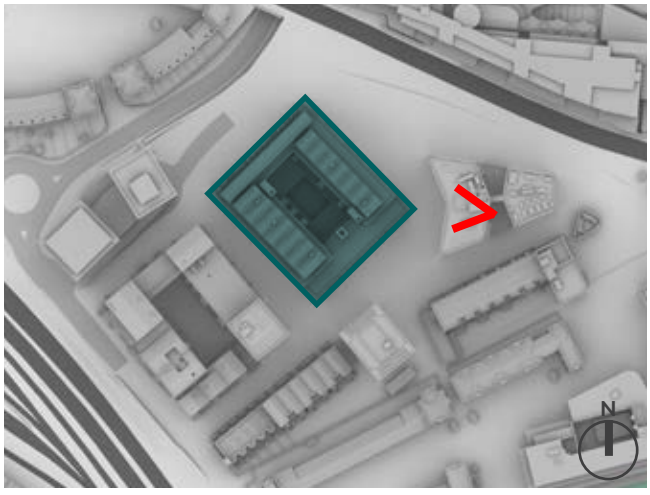


Fig. 74: Sun Exposure Reduction



SUN EXPOSURE

BLOCK B

Fig. 75: Consented Sun Exposure

Fig. 76: Proposed Sun Exposure

Fig. 77: Sun Exposure Reduction

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What we do:

Building Surveying
Daylight & Sunlight
Light Obstruction Notices
Measured Surveys
Party Wall & Neighbourly Matters
Rights of Light
Solar PV
Wind Analysis

Where we are:

Belfast
Birmingham
Bristol
Dublin
London
Manchester

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