



DAYLIGHT & SUNLIGHT

INTERNAL DAYLIGHT AND
SUNLIGHT REPORT

Lordship Lane
Fusion Group & TRI7

28 February 2024

GIA No: **20278**

PROJECT DATA:

Client **Fusion Group & TRI7**
Architect **Corstorphine & Wright**
Project Title **Lordship Lane**
Project Number **20278**

REPORT DATA:

Report Title **Internal Daylight and Sunlight Report**
GIA Department **Daylight Department**
Dated **28 February 2024**

Prepared by **FC / KB**
Checked by **ML**
Type **Planning**

Revisions	No:	Date:	Notes:	Signed:
	A	26.02.2024	dp9 comments	MLI

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SOURCES OF INFORMATION:

Information Received **IR_15-18-20278**
Release Number **Rel_02_20278_DSD**
Issue Number **IS_02**
Site Photos **GIA**
3D models **VU.CITY**
OS Data **FIND Maps**



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OS 100047514

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1 EXECUTIVE SUMMARY

The purpose of this report is to ascertain whether the Proposed Development at Lordship Lane will provide adequate levels of daylight and sunlight for the enjoyment of future occupiers.

The scheme consists of a student accommodation building and three residential buildings.

The Proposed Development has adopted a number of design strategies which enhance its daylight and sunlight amenity. Section 5 describes such principles in detail, and contains a discussion of the results achieved.

Overall, the Proposed Development has made the most of the daylight and sunlight available to the Site, whilst balancing other considerations such as overheating and privacy, and is considered to provide adequate daylight and sunlight amenity for future occupiers.

Section 5 of this report includes a detailed discussion of results and Section 7 provides the full assessment results.

2 INTRODUCTION

GIA has been instructed to provide a report upon the potential availability of daylight and sunlight to the proposed student and residential accommodations within the Proposed Development designed by Corstorphine & Wright architects.

GIA was specifically instructed to carry out the following:

- To create a 3D computer model of the proposal based upon drawings and 3D computer models prepared by Corstorphine & Wright.
- Carry out a daylight assessment using the methodologies set out in the BRE guidance for 'Median Daylight Illuminance' (or 'MDI').
- Carry out a sunlight assessment using the methodologies set out in the BRE guidance for solar exposure. And
- Prepare a report setting out the analysis and our findings.

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 new 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'.

The BR 209 new edition contains amended 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 British Standard BS8206-2:2008 was superseded by the new European Standard on daylight BS EN 17037:2018 "Daylight in buildings".

Following on from the review of the European Standard by a dedicated commission of UK experts, the British Standard Institution appended to BS EN 17037:2018 a UK National Annex which brings the recommended light levels in line with those of the former BS8206-2:2008.

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

View out and Glare are 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, the assessment considers the hours of sunlight reaching a window on the 21st March.

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.

Whilst Vertical Sky Component (VSC) is no longer directly used to calculate the levels of daylight indoors, this is still referenced within the BRE guidance as a metric to appraise the level of obstruction faced by a building and the potential for good daylight indoors.

This method of assessment may also be used to appraise the daylight quality in the early stages of the design, when room layouts or window locations are still undecided.

Vertical Sky Component (VSC)

This method of assessment can be undertaken using a skylight indicator or a Waldram diagram. It measures from a single point, at the centre of the window (if known at the early design stage), the quantum of sky visible taking into account all external obstructions. Whilst these obstructions can be either other buildings or the general landscape, trees are usually ignored unless they form a continuous or dense belt of obstruction.

The VSC method is a useful 'rule of thumb' but has some significant limitations in determining the true quality of daylight within a proposed building. It does not take into account the size of the window, any reflected light off external obstructions, any reflected light within the room, or the use to which that room is put.

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 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 Corstorphine & Wright architects, received by GIA in February 2024. These have been placed in the context of their surrounding buildings which have been modelled from photogrammetry and OS. 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.

Weather File

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.

The BR 209 Appendix C24 states that “Where surface finishes have been specified or measured on site, they can be used in the calculations with appropriate factors for maintenance and furniture. To allow for these factors, maximum reflectances for white painted surfaces in the calculations should not exceed 0.8 indoors, and 0.6 outdoors. Maximum reflectances for light pastel walls should not exceed 0.7 in the calculations, and maximum reflectances for light wood floors should not exceed 0.4.”.

Assumptions applied are:

- Interior floors – light-veneer / creamy carpet finish – 0.40
- Interior walls – light pastel paint – 0.70
- Interior ceilings – white paint – 0.80
- Exterior floors – light-colour finish – 0.30
- Exterior ceilings – white paint – 0.60
- Exterior ground and external obstructions – 0.20

Assessment Grids

For the daylight assessments, an analysis ‘grid’ is located within each room at working plane height (0.85m 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 70% has been used as in agreement with the wider design team. A framing factor has been taken from the elevations and the 3D computer model 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.

	GLAZING TYPE	TV (Normal)	TABLE NA.2	TABLE NA.3	TABLE NA.4	FRAMING FACTOR	TV (Total)
	TYPE 01	0.70	8	1	1	0.58	0.37
	TYPE 02	0.70	8	1	1	0.60	0.39
	TYPE 03	0.70	8	1	1	0.65	0.42
	TYPE 04	0.70	8	1	1	0.70	0.45
	TYPE 05	0.70	8	1	3	0.70	0.37
	TYPE 06	0.70	8	1	1	0.75	0.48
	TYPE 07	0.70	8	1	3	0.75	0.40
	TYPE 08	0.70	8	1	1	0.80	0.52
	TYPE 09	0.70	8	1	3	0.80	0.43
	TYPE 10	0.70	8	1	1	0.85	0.55

Table 01: Transmittance and maintenance factors

4.1 WINDOW MAPS



Fig. 01: Building A - West Facade

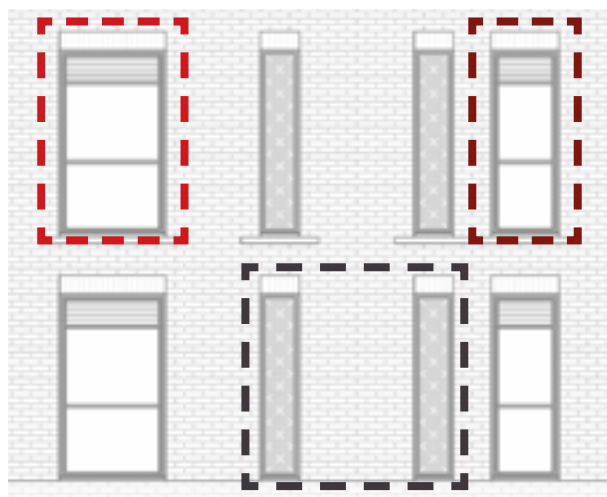


Fig. 02: Building A - West Facade

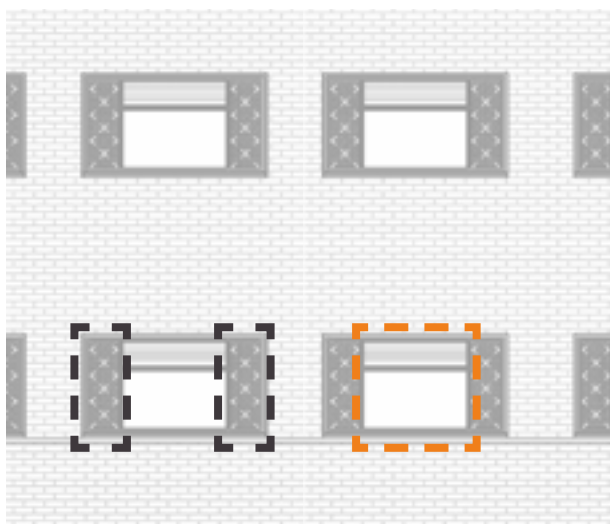


Fig. 03: Building A - South Facade

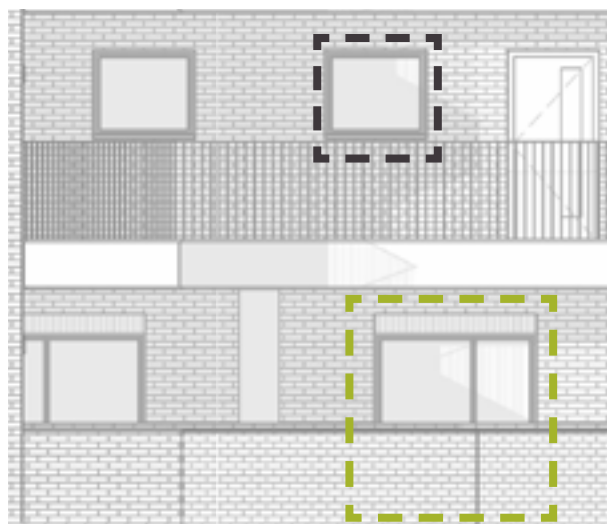


Fig. 06: Building B - North Facade



Fig. 04: Building B - East Facade



Fig. 05: Building B - South Facade

WINDOW MAPS (Continued)



Fig. 08: Building C - North Facade



Fig. 07: Building C - South Facade



Fig. 09: Building B - North Facade

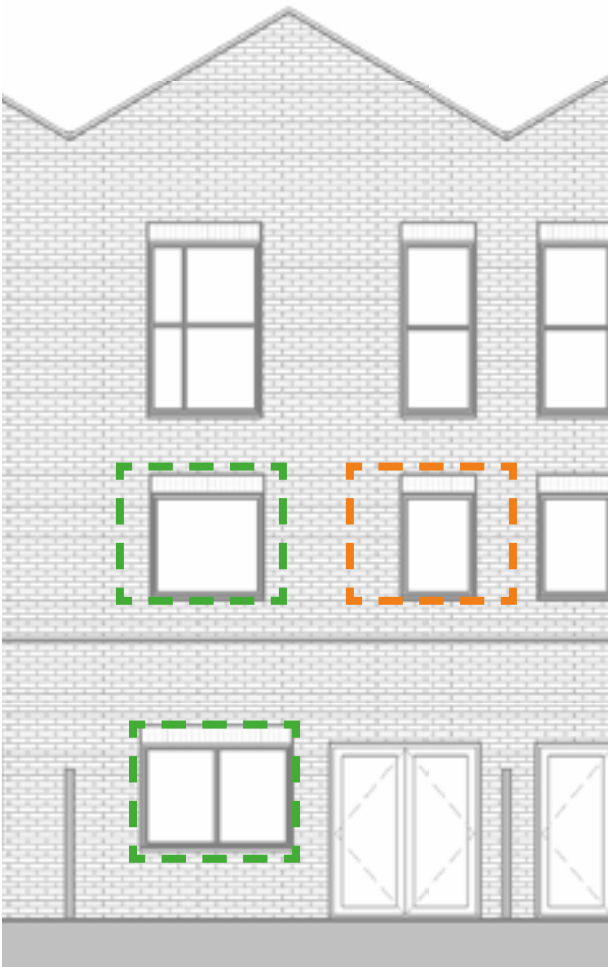


Fig. 10: Building D - South Facade

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5 CONCLUSIONS

5.1 DESIGN EVOLUTION

The Proposed Development comprises a 'Purpose-Built Student Accommodation' (or 'PBSA') and three residential buildings.

The daylight and sunlight quality of the proposed accommodation has been optimised through a number of strategies, described in detail below. GIA's recommendations in relation to internal daylight and sunlight have been carefully considered to achieve the best possible balance with other considerations such as overheating and privacy.

The primary areas where occupiers are likely to spend more time or to undertake more demanding visual tasks have been located, where possible, in the areas of greater daylight availability. In the student accommodation, study desks have been placed closer to windows to ensure the greatest availability of daylight for daytime activities, while beds are located in areas that would rely more on supplementary artificial lighting.

In the residential buildings, combined 'Living/Kitchen/Dining' rooms (or 'L/K/Ds') and master bedrooms have been positioned in portions of the facade with higher daylight and sunlight availability on the southern elevations.

Window openings have been optimised where possible, balancing daylight ingress with overheating, privacy and noise requirements. The courtyard elevations of Building A, where the availability of daylight and sunlight is inherently restricted by the massing arrangement, have been provided with particularly generous fenestration.

The design also sought to provide uniform light distribution within the rooms by positioning windows centrally within the window wall and maximising their height, thus enhancing light penetration.

5.2 CONCLUSIONS ON STUDENT ACCOMMODATION

All proposed habitable rooms have been assessed for 'Median Daylight Illuminance' (or 'MDI'). Moreover, all rooms within the proposed units have been tested for their solar exposure and orientation.

For daylight, 406 (62%) of the 656 proposed habitable rooms across the student accommodation achieve the recommended levels of MDI. This figure considers 200 lux for L/K/Ds and kitchens and 150 lux for living rooms and studios.

87 studios fall short of the 150-lux target but meet or exceed the 100-lux target for bedrooms. These rooms are mostly on the outer facades, and the design sought to include the more generously sized student units on such elevations with higher daylight availability.

It is worth pointing out that LBH have previously accepted the adoption of a 100-lux target for student bedrooms within PBSA which include a study area. LBH's 24 April 2023 Planning Sub-committee Report for the development at 29-33 The Hale, Tottenham, London N17 (ref. HGY/2021/2304), which was granted planning permission in August 2023, states that "The applicant has used 100 lux which is considered to be acceptable given the other spaces available for studying in the building which are well lit".

Following LBH's decision, subsequent applications for PBSA submitted to LBH, such as The Printworks, 819-829 High Road, Tottenham, London N17 (HGY/2023/2306 & 2307, currently under consultation) have adopted a 100-lux for student bedrooms.

Should studios achieving the 100-lux target be considered acceptable, the percentage of rooms offering adequate daylighting would increase to 75%. In addition, students will have access to communal study spaces provided within the highly glazed ground and mezzanine levels.

As typically occurs in single-aspect rooms within urban developments, natural light will mostly be concentrated at the front of the rooms, with the rear relying more on supplementary artificial lighting. As explained above, therefore, desks and study areas have been positioned at the front of rooms, with the

bed area located to the rear.

For sunlight, the BRE Guidelines set out a target of at least 1.5 hours of direct sunlight to be met in at least one habitable room per dwelling. 332 of the 656 habitable rooms (51%) will receive at least 1.5 hours of sunlight on the equinox. 292 (45%) of them will have at least a south-facing window.

Of the remaining 324 rooms seeing less than the suggested 1.5 hours of direct sunlight on the spring equinox, 83 see at least one hour. 145 of the 241 rooms receiving less than one hour of direct sunlight on the equinox will meet or exceed the relevant MDI target. It is worth noting that the majority of shared amenity spaces (25 out of 33 LKDs and kitchens) will exceed the recommended sunlight exposure, therefore students will have access to good levels of sunlight within these spaces.

The majority of rooms which fall short of the daylight and sunlight targets are located on the inner elevations of the courtyard, or are oriented due north and therefore have an inherently lower expectation of natural light. Whilst lower levels of daylight and sunlight are typical of courtyard elevations, the fenestration in such locations has been maximised and rooms will enjoy a view of the landscaped courtyard.

To conclude, the student accommodation of the Proposed Development has made the most of the daylight and sunlight available to the Site, taking into account the inherent constraints of courtyard arrangements.

5.3 CONCLUSIONS ON RESIDENTIAL BUILDINGS

The residential buildings comprise two blocks of flats (Buildings B and C) and townhouses (Building D). The two building typologies are discussed separately below.

Within the blocks of flats (Buildings B and C), the design has sought to optimise the daylight and sunlight amenity within living areas, where natural light is generally regarded as more important, by designing them as dual-aspect and providing them with multiple windows. As the south elevations enjoy greater access to sunlight and a mostly unobstructed outlook, most living areas have been positioned behind these façades, with most kitchens and bedrooms located in areas of lower daylight availability.

It is also worth noting that balconies inherently restrict the daylight and sunlight availability to the windows below them. As such, where lower levels of daylight and sunlight than recommended have been found in rooms served by balconies, this is a direct consequence of the provision of private outdoor spaces. This is a trade-off of different types of amenity (daylight and sunlight amenity vs. private outdoor amenity) which occurs in most residential developments and is generally deemed acceptable. Furthermore, balconies also prevent overheating by acting as passive shading devices and future occupiers of these dwellings will be able to enjoy good levels of daylight and sunlight within their balconies.

In a similar way, the access decks along the northern elevations of Buildings B and C also reduce the daylight ingress to the windows below. As explained above, this constraint has been addressed by locating non-habitable uses, bedrooms and kitchens in these areas, with most living areas enjoying a less obstructed outlook.

Overall, 117 of the 216 habitable rooms within Buildings B and C (54%) will meet or exceed the recommended daylight levels. 11 further LKDs or kitchens, which fall short of the recommended 200 lux for rooms including a kitchen area, will still meet or exceed the 150 lux suggested for living areas. Owing to the design strategies described above, living areas perform better than the other room types, with 60% of living rooms or LKDs achieving

the recommended MDI levels.

For sunlight, 61 of the 70 units within Buildings B and C (87%) will meet the recommendations both in relation to orientation and to sunlight exposure. The remaining units are two stacks of flats in the northeast corner of Building B and the northwest corner of Building C, which despite having mostly northerly orientation are dual or triple aspect.

Building D's townhouses have been designed with kitchens and living areas at ground level and bedrooms on the first and second floors. Living areas have been located behind the elevations where the daylight and sunlight availability is greatest, with kitchens facing Buildings B and C.

As a result of such careful design of the internal layouts, 80% of habitable rooms within Building D will achieve good levels of daylight. The majority of shortfalls occur in kitchens, which as explained above have been positioned in the areas of lower daylight availability in order to allow for greater daylight levels within the living areas. All bedrooms, being located on the upper floors, will meet or exceed the recommended MDI level, with the majority well exceeding it.

Furthermore, all dwellings within Building D will meet the sunlight recommendations, both in relation to orientation and in relation to sunlight exposure.

Overall, therefore, Building D is considered to offer good levels of daylight and sunlight for the enjoyment of future occupiers.

6 SITE OVERVIEW



Fig. 11: Top view

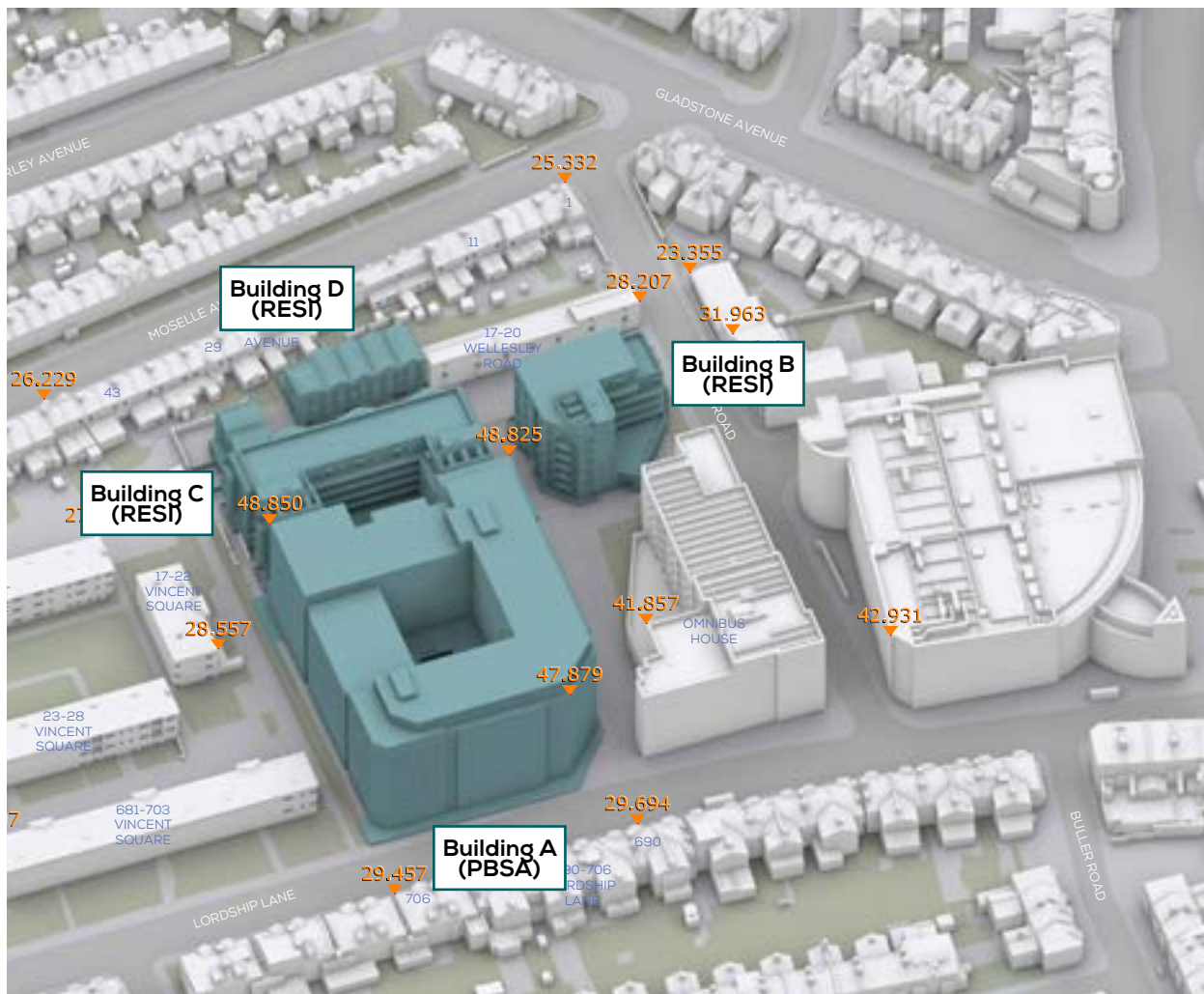


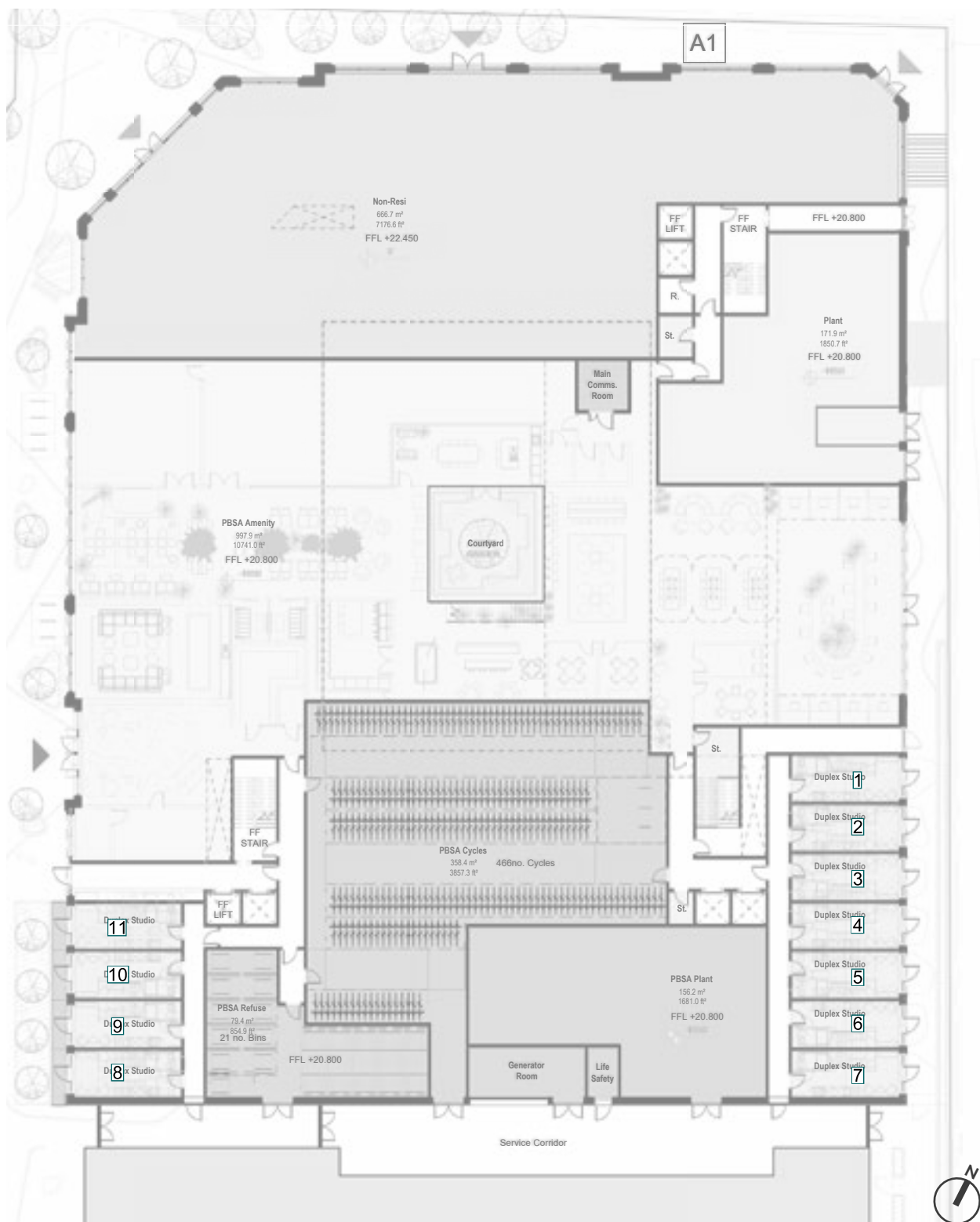
Fig. 12: Perspective view

7 INTERNAL DAYLIGHT AND SUNLIGHT ASSESSMENTS

Building A - Level 00

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING A - LEVEL 00						
1	AA	L/K/D	785	200	NO	01:23
2	AB	L/K/D	745	200	NO	01:23
3	AC	L/K/D	725	200	NO	01:26
4	AD	L/K/D	690	200	NO	01:28
5	AE	L/K/D	687	200	NO	01:30
6	AF	L/K/D	666	200	NO	01:44
7	AG	L/K/D	686	200	NO	02:11
8	AH	L/K/D	652	200	YES	01:09
9	AI	L/K/D	664	200	YES	01:14
10	AJ	L/K/D	674	200	YES	01:32
11	AK	L/K/D	680	200	YES	01:41

Table 02: Assessment Data



Building A - Level Mezzanine

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING A - LEVEL MEZZANINE						
12	AA	BEDROOM	126	100	NO	01:49
13	AB	BEDROOM	119	100	NO	01:48
14	AC	BEDROOM	107	100	NO	01:48
15	AD	BEDROOM	93	100	NO	01:51
16	AE	BEDROOM	85	100	NO	01:56
17	AF	BEDROOM	85	100	NO	02:02
18	AG	BEDROOM	90	100	NO	02:15
19	AH	BEDROOM	81	100	YES	01:26
20	AI	BEDROOM	78	100	YES	01:50
21	AJ	BEDROOM	75	100	YES	02:03
22	AK	BEDROOM	72	100	YES	02:25

Table 03: Assessment Data

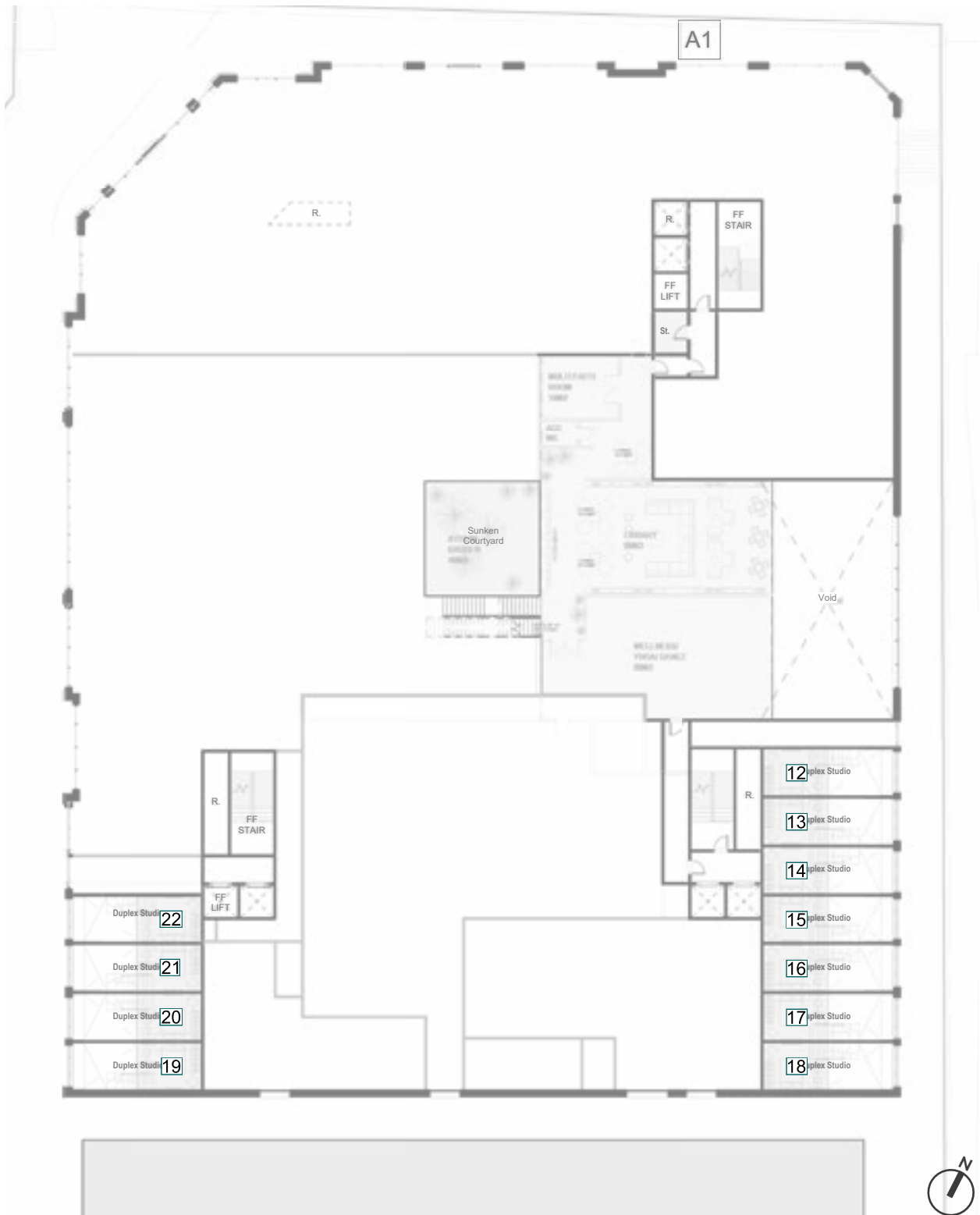


Fig. 14: Floor Plan



Building A - Level 01

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING A - LEVEL 01						
23	AL	STUDIO ROOM	70	150	YES	01:50
24	AM	STUDIO ROOM	174	150	NO	00:00
25	AN	STUDIO ROOM	164	150	NO	00:00
26	AO	STUDIO ROOM	250	150	NO	00:57
27	AP	STUDIO ROOM	234	150	NO	00:00
28	AQ	STUDIO ROOM	158	150	NO	00:00
29	AR	STUDIO ROOM	156	150	NO	00:00
30	AS	STUDIO ROOM	148	150	NO	00:00
31	AT	STUDIO ROOM	181	150	NO	00:00
32	AU	STUDIO ROOM	159	150	NO	00:00
33	AV	STUDIO ROOM	160	150	NO	00:00
34	AW	STUDIO ROOM	163	150	NO	00:00
35	AX	STUDIO ROOM	160	150	NO	00:00
36	AY	STUDIO ROOM	467	150	NO	00:46
37	AZ	STUDIO ROOM	154	150	NO	00:00
38	BA	STUDIO ROOM	146	150	NO	00:09
39	BB	STUDIO ROOM	139	150	NO	00:43
40	BC	STUDIO ROOM	203	150	NO	01:56
41	BD	STUDIO ROOM	117	150	NO	00:36
42	BE	STUDIO ROOM	118	150	NO	00:36
43	BF	STUDIO ROOM	157	150	NO	01:47
44	BG	STUDIO ROOM	158	150	NO	01:53
45	BH	STUDIO ROOM	127	150	NO	01:01
46	BI	STUDIO ROOM	124	150	NO	01:01
47	BJ	STUDIO ROOM	231	150	NO	01:39
48	BK	STUDIO ROOM	123	150	NO	00:18
49	BL	STUDIO ROOM	125	150	NO	00:17
50	BM	STUDIO ROOM	119	150	NO	00:17
51	BN	STUDIO ROOM	130	150	NO	01:18
52	BO	STUDIO ROOM	117	150	NO	00:24
53	BP	STUDIO ROOM	115	150	NO	00:30
54	BQ	STUDIO ROOM	109	150	YES	02:39
55	BR	STUDIO ROOM	49	150	YES	02:13
56	BS	KITCHEN	43	200	YES	02:05
57	BT	BEDROOM	80	100	YES	03:35
58	BU	BEDROOM	82	100	YES	03:35
59	BV	BEDROOM	80	100	YES	03:16
60	BW	BEDROOM	78	100	YES	02:55
61	BX	KITCHEN	42	200	YES	02:34
62	BY	STUDIO ROOM	48	150	NO	00:00
63	BZ	STUDIO ROOM	98	150	YES	00:00
64	CA	STUDIO ROOM	92	150	YES	01:35
65	CB	STUDIO ROOM	90	150	YES	01:44
66	CC	STUDIO ROOM	91	150	YES	03:02
67	CD	STUDIO ROOM	73	150	YES	02:07
68	CE	STUDIO ROOM	78	150	YES	01:40
69	CF	STUDIO ROOM	123	150	YES	02:36
70	CG	STUDIO ROOM	137	150	YES	02:36
71	CH	STUDIO ROOM	57	150	YES	01:37
72	CI	STUDIO ROOM	59	150	YES	01:37
73	CJ	STUDIO ROOM	73	150	YES	02:18
74	CK	STUDIO ROOM	65	150	YES	02:17
75	CL	STUDIO ROOM	46	150	YES	01:36
76	CM	STUDIO ROOM	44	150	YES	01:36
77	CN	STUDIO ROOM	39	150	YES	01:35
78	CO	KITCHEN	18	200	YES	00:00
79	CP	STUDIO ROOM	61	150	YES	00:00
80	CQ	STUDIO ROOM	65	150	YES	00:19
81	CR	STUDIO ROOM	66	150	YES	00:43
82	CS	STUDIO ROOM	65	150	YES	01:17
83	CT	STUDIO ROOM	64	150	YES	01:39
84	CU	STUDIO ROOM	52	150	YES	01:57
85	CV	STUDIO ROOM	58	150	YES	00:02
86	CW	STUDIO ROOM	62	150	YES	00:00
87	CX	STUDIO ROOM	64	150	YES	00:00

Table 04: Assessment Data

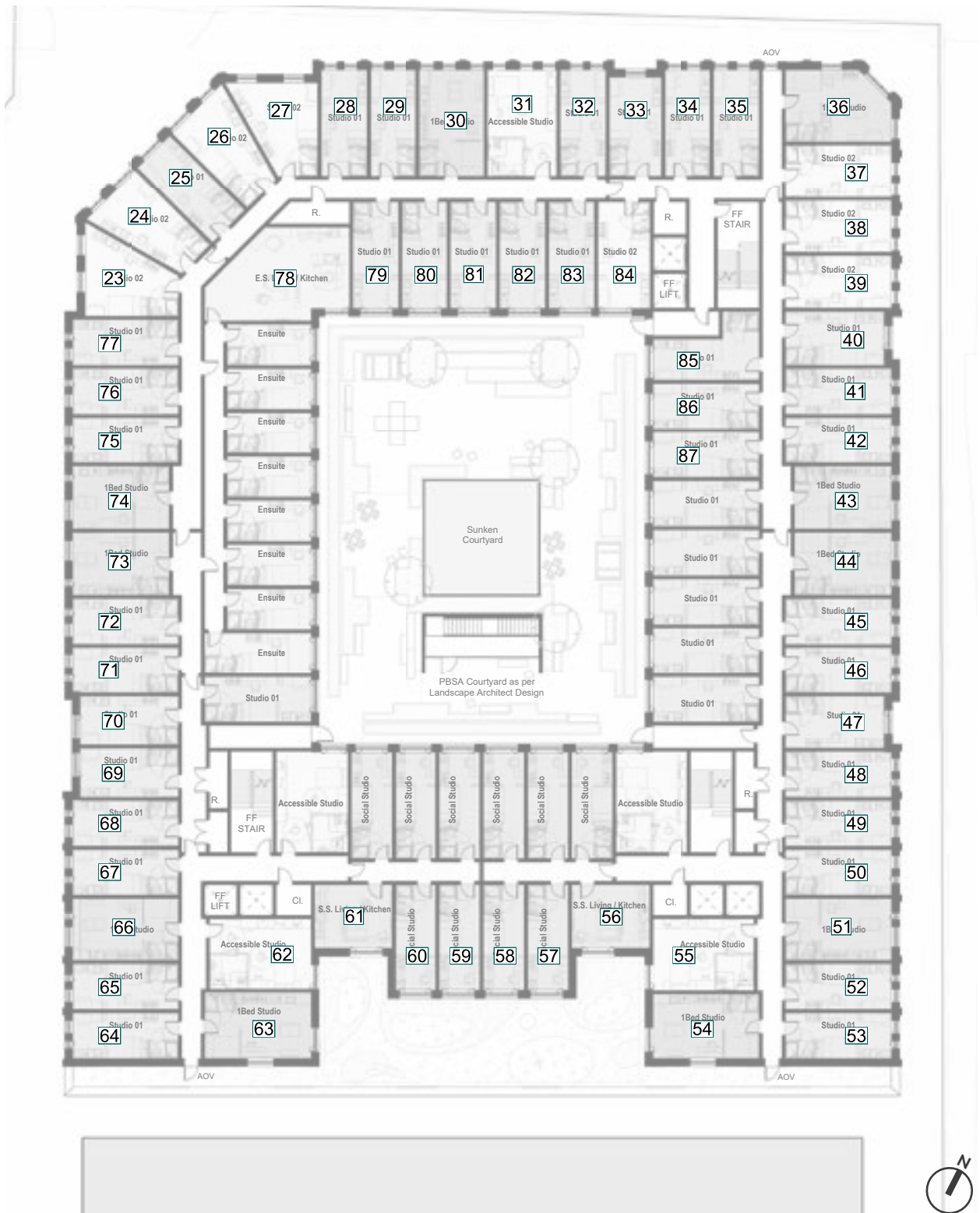


Fig. 15: Floor Plan



Building A - Level 01 (Continued)

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
88	CY	STUDIO ROOM	61	150	YES	00:00
89	CZ	STUDIO ROOM	60	150	YES	00:00
90	DA	STUDIO ROOM	59	150	YES	00:00
91	DB	STUDIO ROOM	56	150	YES	00:00
92	DC	STUDIO ROOM	53	150	YES	00:00
93	DD	STUDIO ROOM	29	150	NO	00:00
94	DE	BEDROOM	66	100	NO	00:00
95	DF	BEDROOM	66	100	NO	00:00
96	DG	BEDROOM	61	100	NO	00:00
97	DH	BEDROOM	60	100	NO	00:00
98	DI	BEDROOM	62	100	NO	00:00
99	DJ	BEDROOM	61	100	NO	00:00
100	DK	STUDIO ROOM	28	150	NO	00:00
101	DL	STUDIO ROOM	55	150	NO	00:00
102	DM	BEDROOM	61	100	NO	00:00
103	DN	BEDROOM	105	100	NO	00:00
104	DO	BEDROOM	111	100	NO	00:00
105	DP	BEDROOM	115	100	NO	00:00
106	DQ	BEDROOM	116	100	NO	00:00
107	DR	BEDROOM	116	100	NO	00:00
108	DS	BEDROOM	112	100	NO	00:00
109	DT	BEDROOM	100	100	NO	00:00

Table 05: Assessment Data

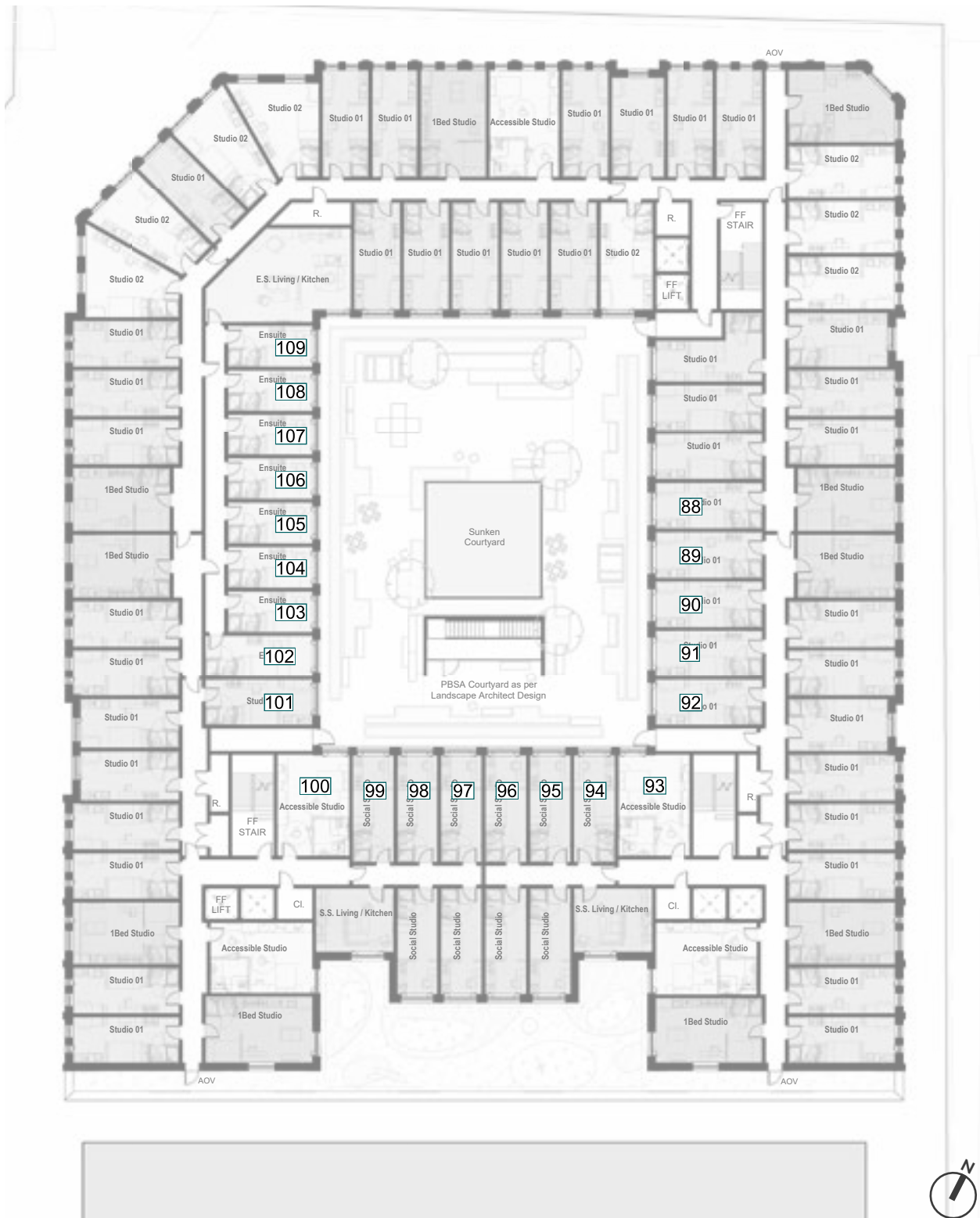


Fig. 16: Floor Plan



Building A - Level 02

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING A - LEVEL 02						
110	DU	STUDIO ROOM	180	150	NO	00:00
111	DV	STUDIO ROOM	171	150	NO	00:00
112	DW	STUDIO ROOM	261	150	NO	01:15
113	DX	STUDIO ROOM	257	150	NO	00:00
114	DY	STUDIO ROOM	179	150	NO	00:00
115	DZ	STUDIO ROOM	175	150	NO	00:00
116	EA	STUDIO ROOM	170	150	NO	00:00
117	EB	STUDIO ROOM	158	150	NO	00:00
118	EC	STUDIO ROOM	178	150	NO	00:00
119	ED	STUDIO ROOM	177	150	NO	00:00
120	EE	STUDIO ROOM	180	150	NO	00:00
121	EF	STUDIO ROOM	179	150	NO	00:00
122	EG	STUDIO ROOM	498	150	NO	01:40
123	EH	STUDIO ROOM	173	150	NO	00:43
124	EI	STUDIO ROOM	175	150	NO	01:01
125	EJ	STUDIO ROOM	177	150	NO	01:01
126	EK	STUDIO ROOM	244	150	NO	02:16
127	EL	STUDIO ROOM	132	150	NO	01:01
128	EM	STUDIO ROOM	132	150	NO	01:01
129	EN	STUDIO ROOM	173	150	NO	02:02
130	EO	STUDIO ROOM	173	150	NO	02:02
131	EP	STUDIO ROOM	137	150	NO	01:01
132	EQ	STUDIO ROOM	135	150	NO	01:01
133	ER	STUDIO ROOM	251	150	NO	02:20
134	ES	STUDIO ROOM	135	150	NO	01:01
135	ET	STUDIO ROOM	137	150	NO	00:59
136	EU	STUDIO ROOM	132	150	NO	00:59
137	EV	STUDIO ROOM	151	150	NO	02:00
138	EW	STUDIO ROOM	134	150	NO	00:59
139	EX	STUDIO ROOM	134	150	NO	01:00
140	EY	STUDIO ROOM	141	150	YES	03:08
141	EZ	STUDIO ROOM	61	150	YES	02:13
142	FA	KITCHEN	56	200	YES	02:18
143	FB	BEDROOM	111	100	YES	04:08
144	FC	BEDROOM	113	100	YES	04:29
145	FD	BEDROOM	111	100	YES	04:45
146	FE	BEDROOM	110	100	YES	04:23
147	FF	KITCHEN	54	200	YES	02:34
148	FG	STUDIO ROOM	59	150	NO	00:01
149	FH	STUDIO ROOM	127	150	YES	00:13
150	FI	STUDIO ROOM	109	150	YES	02:36
151	FJ	STUDIO ROOM	108	150	YES	03:00
152	FK	STUDIO ROOM	111	150	YES	03:22
153	FL	STUDIO ROOM	99	150	YES	02:16
154	FM	STUDIO ROOM	101	150	YES	02:15
155	FN	STUDIO ROOM	164	150	YES	03:12
156	FO	STUDIO ROOM	182	150	YES	03:12
157	FP	STUDIO ROOM	82	150	YES	02:14
158	FQ	STUDIO ROOM	87	150	YES	02:14
159	FR	STUDIO ROOM	98	150	YES	02:54
160	FS	STUDIO ROOM	90	150	YES	02:54
161	FT	STUDIO ROOM	63	150	YES	02:13
162	FU	STUDIO ROOM	62	150	YES	02:04
163	FV	STUDIO ROOM	54	150	YES	01:38
164	FW	STUDIO ROOM	89	150	YES	02:12
165	FX	KITCHEN	21	200	YES	00:30
166	FY	STUDIO ROOM	70	150	YES	01:15
167	FZ	STUDIO ROOM	72	150	YES	01:39
168	GA	STUDIO ROOM	74	150	YES	02:03
169	GB	STUDIO ROOM	74	150	YES	02:28
170	GC	STUDIO ROOM	71	150	YES	02:42
171	GD	STUDIO ROOM	61	150	YES	02:40
172	GE	STUDIO ROOM	49	150	YES	00:22
173	GF	STUDIO ROOM	69	150	YES	00:22
174	GG	STUDIO ROOM	70	150	YES	00:14

Table 06: Assessment Data

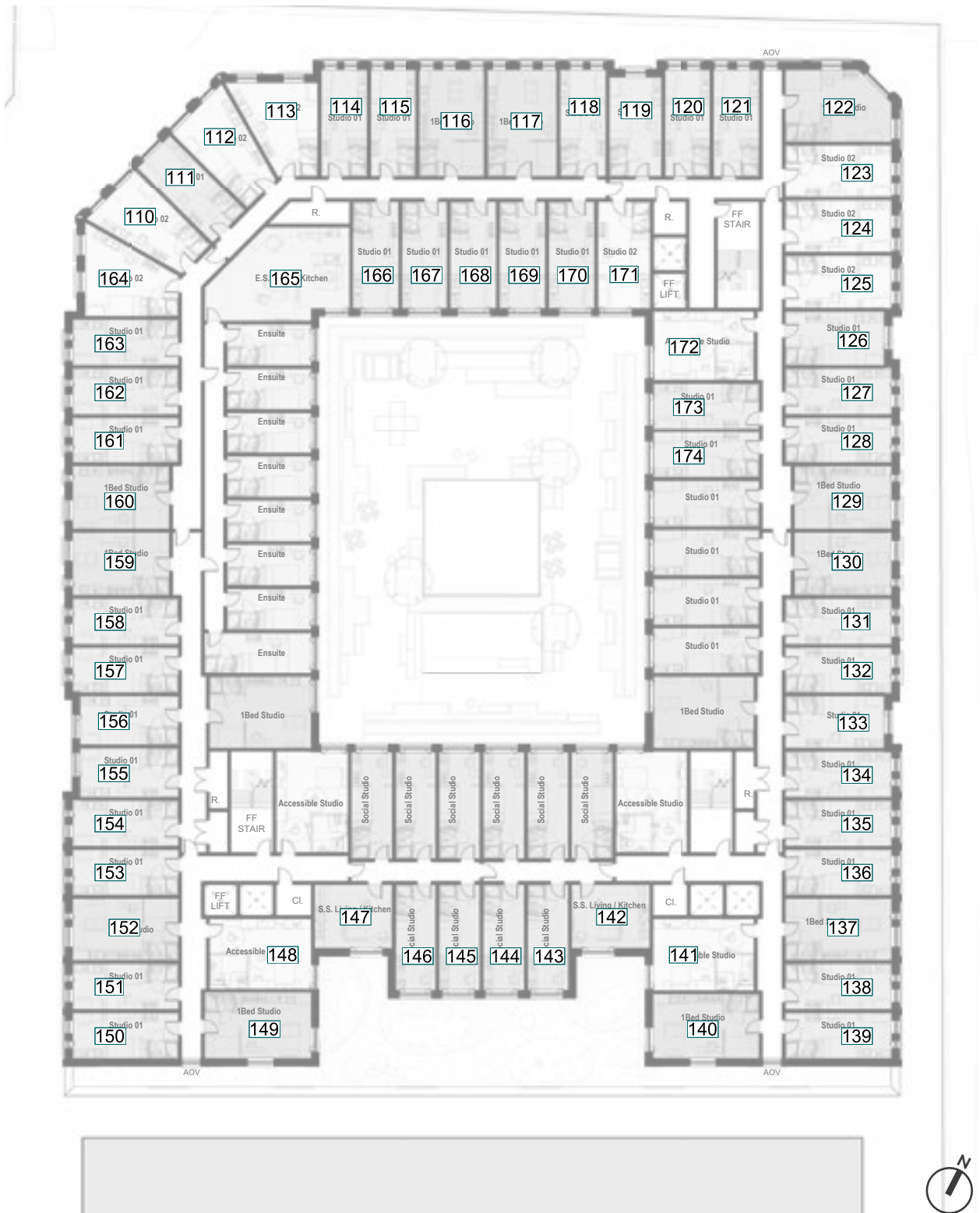


Fig. 17: Floor Plan



Building A - Level 02 (Continued)

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
175	GH	STUDIO ROOM	68	150	YES	00:00
176	GI	STUDIO ROOM	67	150	YES	00:00
177	GJ	STUDIO ROOM	66	150	YES	00:00
178	GK	STUDIO ROOM	64	150	YES	00:00
179	GL	STUDIO ROOM	31	150	YES	00:00
180	GM	STUDIO ROOM	34	150	NO	00:00
181	GN	BEDROOM	79	100	NO	00:00
182	GO	BEDROOM	82	100	NO	00:00
183	GP	BEDROOM	79	100	NO	00:00
184	GQ	BEDROOM	79	100	NO	00:00
185	GR	BEDROOM	77	100	NO	00:00
186	GS	BEDROOM	74	100	NO	00:00
187	GT	STUDIO ROOM	33	150	NO	00:00
188	GU	STUDIO ROOM	34	150	NO	00:00
189	GV	BEDROOM	71	100	NO	00:00
190	GW	BEDROOM	124	100	NO	00:00
191	GX	BEDROOM	127	100	NO	00:00
192	GY	BEDROOM	130	100	NO	00:00
193	GZ	BEDROOM	132	100	NO	00:00
194	HA	BEDROOM	130	100	NO	00:00
195	HB	BEDROOM	126	100	NO	00:00
196	HC	BEDROOM	115	100	NO	00:00

Table 07: Assessment Data

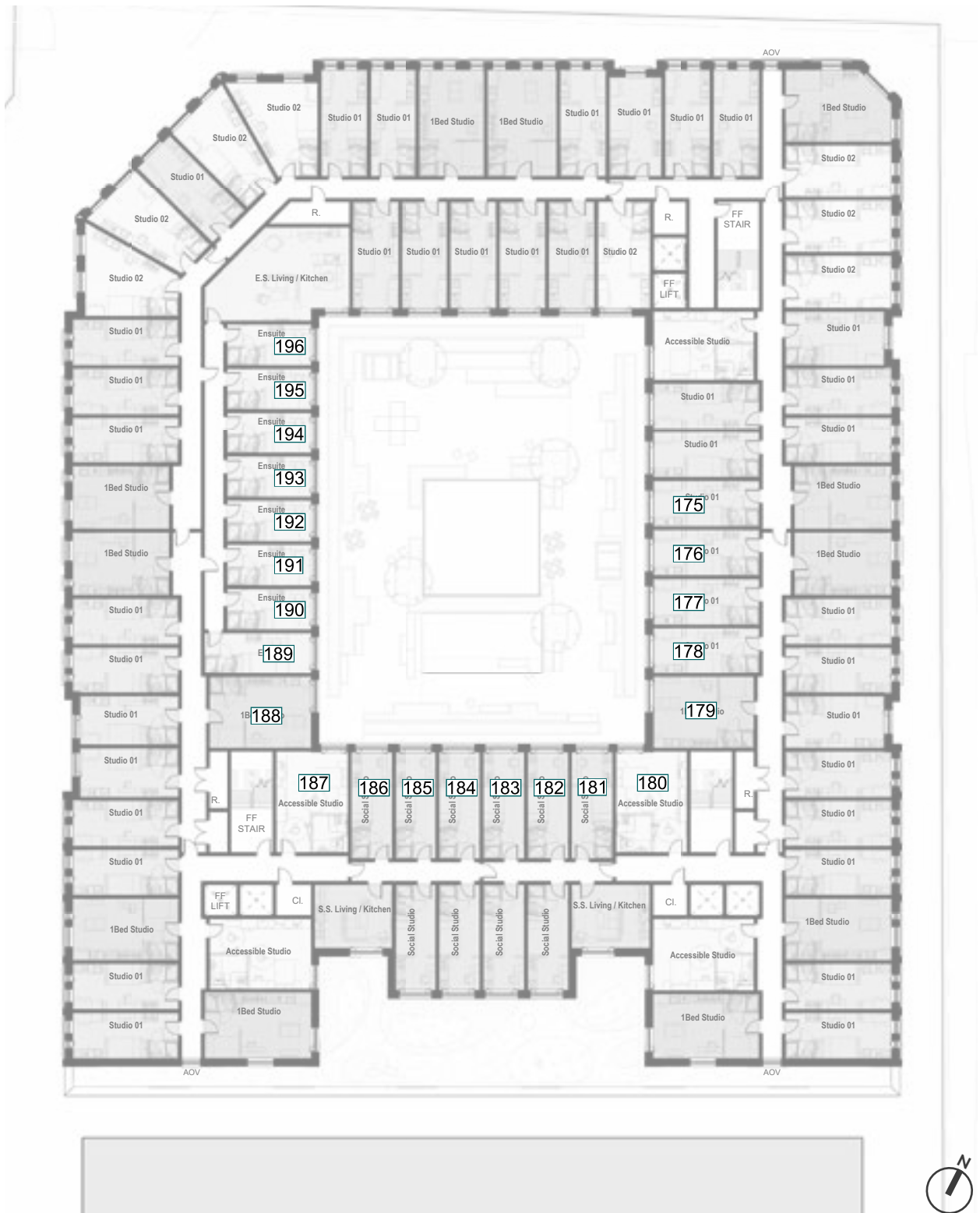


Fig. 18: Floor Plan



Building A - Level 03

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING A - LEVEL 03						
197	HD	STUDIO ROOM	211	150	NO	00:21
198	HE	STUDIO ROOM	193	150	NO	00:03
199	HF	STUDIO ROOM	289	150	NO	01:25
200	HG	STUDIO ROOM	270	150	NO	00:00
201	HH	STUDIO ROOM	190	150	NO	00:00
202	HI	STUDIO ROOM	187	150	NO	00:00
203	HJ	STUDIO ROOM	182	150	NO	00:00
204	HK	STUDIO ROOM	169	150	NO	00:00
205	HL	STUDIO ROOM	188	150	NO	00:00
206	HM	STUDIO ROOM	185	150	NO	00:00
207	HN	STUDIO ROOM	191	150	NO	00:00
208	HO	STUDIO ROOM	189	150	NO	00:00
209	HP	STUDIO ROOM	534	150	NO	02:02
210	HQ	STUDIO ROOM	185	150	NO	01:01
211	HR	STUDIO ROOM	189	150	NO	01:01
212	HS	STUDIO ROOM	192	150	NO	01:01
213	HT	STUDIO ROOM	265	150	NO	02:16
214	HU	STUDIO ROOM	142	150	NO	01:01
215	HV	STUDIO ROOM	143	150	NO	01:01
216	HW	STUDIO ROOM	185	150	NO	02:02
217	HX	STUDIO ROOM	184	150	NO	02:02
218	HY	STUDIO ROOM	145	150	NO	01:01
219	HZ	STUDIO ROOM	142	150	NO	01:01
220	IA	STUDIO ROOM	269	150	NO	02:20
221	IB	STUDIO ROOM	143	150	NO	01:01
222	IC	STUDIO ROOM	148	150	NO	01:01
223	ID	STUDIO ROOM	141	150	NO	01:01
224	IE	STUDIO ROOM	165	150	NO	02:02
225	IF	STUDIO ROOM	144	150	NO	01:01
226	IG	STUDIO ROOM	144	150	NO	01:01
227	IH	STUDIO ROOM	183	150	YES	03:45
228	II	STUDIO ROOM	75	150	YES	02:13
229	IJ	KITCHEN	84	200	YES	02:26
230	IK	BEDROOM	177	100	YES	04:34
231	IL	BEDROOM	179	100	YES	04:55
232	IM	BEDROOM	177	100	YES	05:13
233	IN	BEDROOM	174	100	YES	05:26
234	IO	KITCHEN	80	200	YES	02:34
235	IP	STUDIO ROOM	72	150	NO	00:51
236	IQ	STUDIO ROOM	168	150	YES	02:22
237	IR	STUDIO ROOM	128	150	YES	03:23
238	IS	STUDIO ROOM	126	150	YES	03:13
239	IT	STUDIO ROOM	136	150	YES	03:37
240	IU	STUDIO ROOM	123	150	YES	02:55
241	IV	STUDIO ROOM	126	150	YES	02:55
242	IW	STUDIO ROOM	208	150	YES	03:52
243	IX	STUDIO ROOM	225	150	YES	03:51
244	IY	STUDIO ROOM	109	150	YES	02:54
245	IZ	STUDIO ROOM	113	150	YES	02:54
246	JA	STUDIO ROOM	138	150	YES	03:35
247	JB	STUDIO ROOM	123	150	YES	03:34
248	JC	STUDIO ROOM	91	150	YES	02:23
249	JD	STUDIO ROOM	89	150	YES	02:13
250	JE	STUDIO ROOM	76	150	YES	02:13
251	JF	STUDIO ROOM	134	150	YES	02:13
252	JG	KITCHEN	24	200	YES	01:45
253	JH	STUDIO ROOM	80	150	YES	02:17
254	JI	STUDIO ROOM	84	150	YES	02:45
255	JJ	STUDIO ROOM	84	150	YES	03:06
256	JK	STUDIO ROOM	84	150	YES	03:12
257	JL	STUDIO ROOM	85	150	YES	03:12
258	JM	STUDIO ROOM	71	150	YES	02:54
259	JN	STUDIO ROOM	57	150	YES	00:46
260	JO	STUDIO ROOM	79	150	YES	00:46
261	JP	STUDIO ROOM	80	150	YES	00:46

Table 08: Assessment Data

Building A - Level 03 (Continued)

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
262	JQ	STUDIO ROOM	79	150	YES	00:46
263	JR	STUDIO ROOM	80	150	YES	00:00
264	JS	STUDIO ROOM	79	150	YES	00:00
265	JT	STUDIO ROOM	76	150	YES	00:00
266	JU	STUDIO ROOM	37	150	YES	00:00
267	JV	STUDIO ROOM	41	150	NO	00:00
268	JW	BEDROOM	94	100	NO	00:00
269	JX	BEDROOM	97	100	NO	00:00
270	JY	BEDROOM	96	100	NO	00:00
271	JZ	BEDROOM	94	100	NO	00:00
272	KA	BEDROOM	91	100	NO	00:00
273	KB	BEDROOM	86	100	NO	00:00
274	KC	STUDIO ROOM	39	150	NO	00:00
275	KD	STUDIO ROOM	40	150	NO	00:00
276	KE	BEDROOM	83	100	NO	00:00
277	KF	BEDROOM	171	100	NO	00:00
278	KG	BEDROOM	173	100	NO	00:00
279	KH	BEDROOM	179	100	NO	00:00
280	KI	BEDROOM	176	100	NO	00:00
281	KJ	BEDROOM	177	100	NO	00:00
282	KK	BEDROOM	169	100	NO	00:00
283	KL	BEDROOM	149	100	NO	00:00

Table 09: Assessment Data

Building A - Level 04

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING A - LEVEL 04						
284	KM	STUDIO ROOM	245	150	NO	00:53
285	KN	STUDIO ROOM	211	150	NO	00:49
286	KO	STUDIO ROOM	308	150	NO	02:36
287	KP	STUDIO ROOM	281	150	NO	00:00
288	KQ	STUDIO ROOM	197	150	NO	00:00
289	KR	STUDIO ROOM	195	150	NO	00:00
290	KS	STUDIO ROOM	189	150	NO	00:00
291	KT	STUDIO ROOM	178	150	NO	00:00
292	KU	STUDIO ROOM	195	150	NO	00:00
293	KV	STUDIO ROOM	195	150	NO	00:00
294	KW	STUDIO ROOM	198	150	NO	00:00
295	KX	STUDIO ROOM	198	150	NO	00:00
296	KY	STUDIO ROOM	548	150	NO	02:02
297	KZ	STUDIO ROOM	192	150	NO	01:01
298	LA	STUDIO ROOM	199	150	NO	01:01
299	LB	STUDIO ROOM	203	150	NO	01:01
300	LC	STUDIO ROOM	281	150	NO	02:16
301	LD	STUDIO ROOM	153	150	NO	01:01
302	LE	STUDIO ROOM	151	150	NO	01:01
303	LF	STUDIO ROOM	197	150	NO	02:02
304	LG	STUDIO ROOM	197	150	NO	02:02
305	LH	STUDIO ROOM	150	150	NO	01:01
306	LI	STUDIO ROOM	148	150	NO	01:01
307	LJ	STUDIO ROOM	278	150	NO	02:20
308	LK	STUDIO ROOM	149	150	NO	01:01
309	LL	STUDIO ROOM	154	150	NO	01:01
310	LM	STUDIO ROOM	148	150	NO	01:01
311	LN	STUDIO ROOM	178	150	NO	02:02
312	LO	STUDIO ROOM	153	150	NO	01:01
313	LP	STUDIO ROOM	153	150	NO	01:01
314	LQ	STUDIO ROOM	225	150	YES	04:18
315	LR	STUDIO ROOM	93	150	YES	02:13
316	LS	KITCHEN	114	200	YES	02:33
317	LT	BEDROOM	243	100	YES	04:42
318	LU	BEDROOM	240	100	YES	05:10
319	LV	BEDROOM	239	100	YES	05:38
320	LW	BEDROOM	229	100	YES	05:51
321	LX	KITCHEN	106	200	YES	02:34
322	LY	STUDIO ROOM	86	150	NO	01:21
323	LZ	STUDIO ROOM	219	150	YES	03:40
324	MA	STUDIO ROOM	146	150	YES	03:44
325	MB	STUDIO ROOM	143	150	YES	03:37
326	MC	STUDIO ROOM	160	150	YES	04:18
327	MD	STUDIO ROOM	146	150	YES	03:37
328	ME	STUDIO ROOM	147	150	YES	03:37
329	MF	STUDIO ROOM	248	150	YES	04:33
330	MG	STUDIO ROOM	263	150	YES	04:32
331	MH	STUDIO ROOM	135	150	YES	03:36
332	MI	STUDIO ROOM	138	150	YES	03:36
333	MJ	STUDIO ROOM	178	150	YES	04:13
334	MK	STUDIO ROOM	158	150	YES	03:50
335	ML	STUDIO ROOM	124	150	YES	02:54
336	MM	STUDIO ROOM	119	150	YES	02:54
337	MN	STUDIO ROOM	106	150	YES	02:48
338	MO	STUDIO ROOM	211	150	YES	03:21
339	MP	KITCHEN	27	200	YES	02:39
340	MQ	STUDIO ROOM	106	150	YES	03:14
341	MR	STUDIO ROOM	116	150	YES	03:30
342	MS	STUDIO ROOM	123	150	YES	03:46
343	MT	STUDIO ROOM	125	150	YES	03:55
344	MU	STUDIO ROOM	119	150	YES	03:34
345	MV	STUDIO ROOM	97	150	YES	03:01
346	MW	STUDIO ROOM	70	150	YES	01:16
347	MX	STUDIO ROOM	94	150	YES	01:16
348	MY	STUDIO ROOM	95	150	YES	01:16

Table 10: Assessment Data

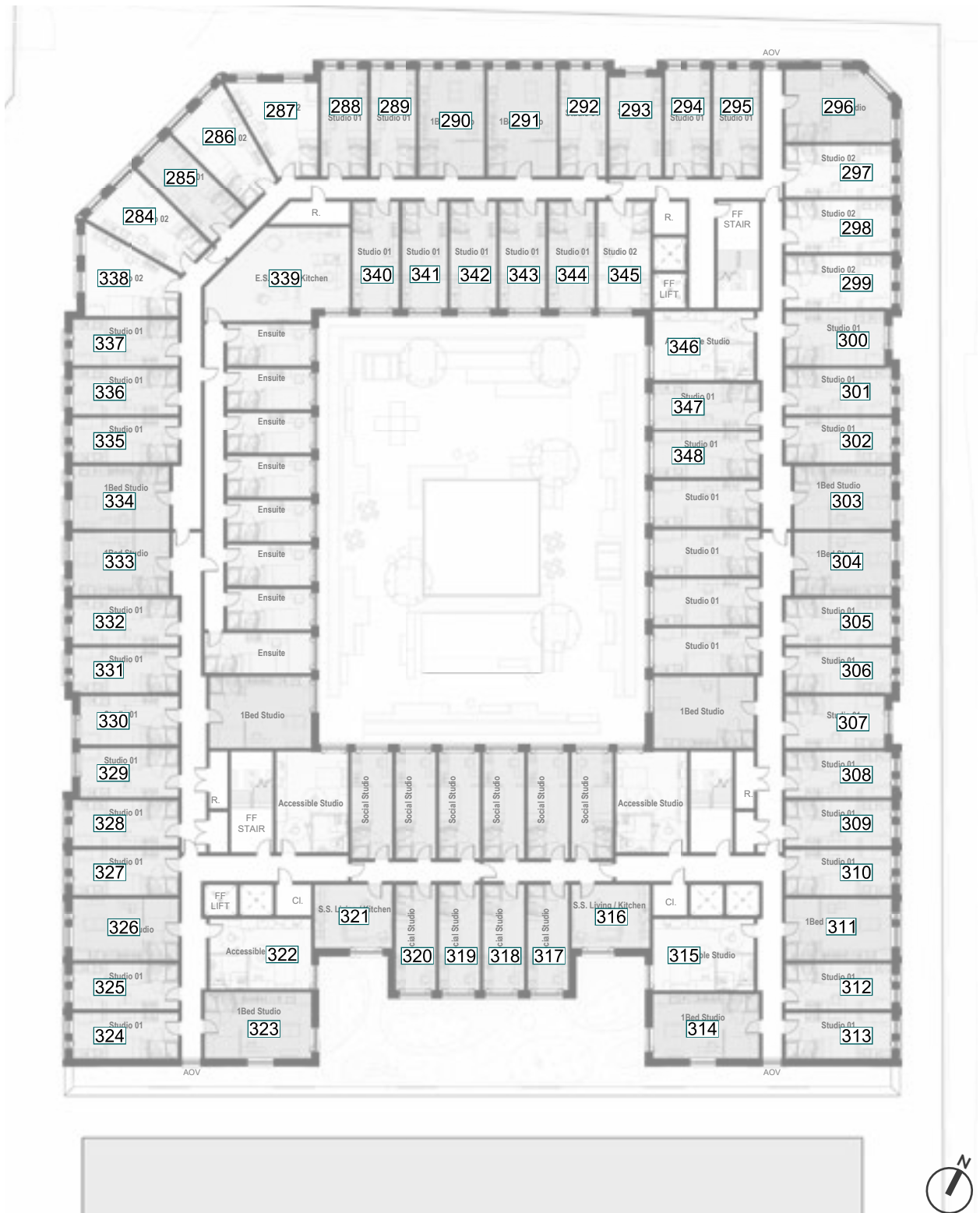


Fig. 21: Floor Plan



Building A - Level 04 (Continued)

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
349	MZ	STUDIO ROOM	94	150	YES	01:16
350	NA	STUDIO ROOM	93	150	YES	01:16
351	NB	STUDIO ROOM	94	150	YES	00:12
352	NC	STUDIO ROOM	90	150	YES	00:00
353	ND	STUDIO ROOM	45	150	YES	00:00
354	NE	STUDIO ROOM	49	150	NO	00:00
355	NF	BEDROOM	109	100	NO	00:00
356	NG	BEDROOM	115	100	NO	00:00
357	NH	BEDROOM	109	100	NO	00:00
358	NI	BEDROOM	110	100	NO	00:00
359	NJ	BEDROOM	107	100	NO	00:00
360	NK	BEDROOM	101	100	NO	00:00
361	NL	STUDIO ROOM	47	150	NO	00:00
362	NM	STUDIO ROOM	48	150	NO	00:00
363	NN	BEDROOM	108	100	NO	00:00
364	NO	BEDROOM	218	100	NO	00:00
365	NP	BEDROOM	227	100	NO	00:00
366	NQ	BEDROOM	230	100	NO	00:00
367	NR	BEDROOM	228	100	NO	00:00
368	NS	BEDROOM	228	100	NO	00:00
369	NT	BEDROOM	218	100	NO	00:14
370	NU	BEDROOM	192	100	NO	00:42

Table 11: Assessment Data

Building A - Level 05

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING A - LEVEL 05						
371	NV	STUDIO ROOM	324	150	NO	02:04
372	NW	STUDIO ROOM	250	150	NO	02:08
373	NX	STUDIO ROOM	350	150	NO	03:09
374	NY	STUDIO ROOM	290	150	NO	00:00
375	NZ	STUDIO ROOM	204	150	NO	00:00
376	OA	STUDIO ROOM	202	150	NO	00:00
377	OB	STUDIO ROOM	198	150	NO	00:00
378	OC	STUDIO ROOM	185	150	NO	00:00
379	OD	STUDIO ROOM	204	150	NO	00:00
380	OE	STUDIO ROOM	201	150	NO	00:00
381	OF	STUDIO ROOM	206	150	NO	00:00
382	OG	STUDIO ROOM	205	150	NO	00:00
383	OH	STUDIO ROOM	578	150	NO	02:02
384	OI	STUDIO ROOM	202	150	NO	01:01
385	OJ	STUDIO ROOM	207	150	NO	01:01
386	OK	STUDIO ROOM	213	150	NO	01:01
387	OL	STUDIO ROOM	295	150	NO	02:16
388	OM	STUDIO ROOM	159	150	NO	01:01
389	ON	STUDIO ROOM	159	150	NO	01:01
390	OO	STUDIO ROOM	208	150	NO	02:02
391	OP	STUDIO ROOM	208	150	NO	02:02
392	OQ	STUDIO ROOM	158	150	NO	01:01
393	OR	STUDIO ROOM	154	150	NO	01:01
394	OS	STUDIO ROOM	290	150	NO	02:20
395	OT	STUDIO ROOM	155	150	NO	01:01
396	OU	STUDIO ROOM	160	150	NO	01:01
397	OV	STUDIO ROOM	155	150	NO	01:01
398	OW	STUDIO ROOM	186	150	NO	02:02
399	OX	STUDIO ROOM	158	150	NO	01:01
400	OY	STUDIO ROOM	161	150	NO	01:01
401	OZ	STUDIO ROOM	276	150	YES	05:30
402	PA	STUDIO ROOM	109	150	YES	02:13
403	PB	KITCHEN	142	200	YES	02:33
404	PC	BEDROOM	299	100	YES	05:34
405	PD	BEDROOM	293	100	YES	05:48
406	PE	BEDROOM	288	100	YES	06:00
407	PF	BEDROOM	284	100	YES	06:09
408	PG	KITCHEN	135	200	YES	02:34
409	PH	STUDIO ROOM	103	150	NO	01:41
410	PI	STUDIO ROOM	275	150	YES	06:42
411	PJ	STUDIO ROOM	164	150	YES	04:17
412	PK	STUDIO ROOM	159	150	YES	04:17
413	PL	STUDIO ROOM	181	150	YES	04:58
414	PM	STUDIO ROOM	161	150	YES	04:17
415	PN	STUDIO ROOM	164	150	YES	04:17
416	PO	STUDIO ROOM	280	150	YES	05:13
417	PP	STUDIO ROOM	297	150	YES	05:10
418	PQ	STUDIO ROOM	155	150	YES	04:03
419	PR	STUDIO ROOM	160	150	YES	03:57
420	PS	STUDIO ROOM	213	150	YES	04:29
421	PT	STUDIO ROOM	191	150	YES	04:17
422	PU	STUDIO ROOM	150	150	YES	03:38
423	PV	STUDIO ROOM	148	150	YES	03:39
424	PW	STUDIO ROOM	137	150	YES	03:39
425	PX	STUDIO ROOM	294	150	YES	04:21
426	PY	KITCHEN	34	200	YES	03:13
427	PZ	STUDIO ROOM	143	150	YES	03:42
428	QA	STUDIO ROOM	157	150	YES	04:13
429	QB	STUDIO ROOM	165	150	YES	04:40
430	QC	STUDIO ROOM	170	150	YES	04:39
431	QD	STUDIO ROOM	156	150	YES	03:59
432	QE	STUDIO ROOM	128	150	YES	03:14
433	QF	STUDIO ROOM	87	150	YES	01:54
434	QG	STUDIO ROOM	115	150	YES	01:54
435	QH	STUDIO ROOM	113	150	YES	01:54

Table 12: Assessment Data

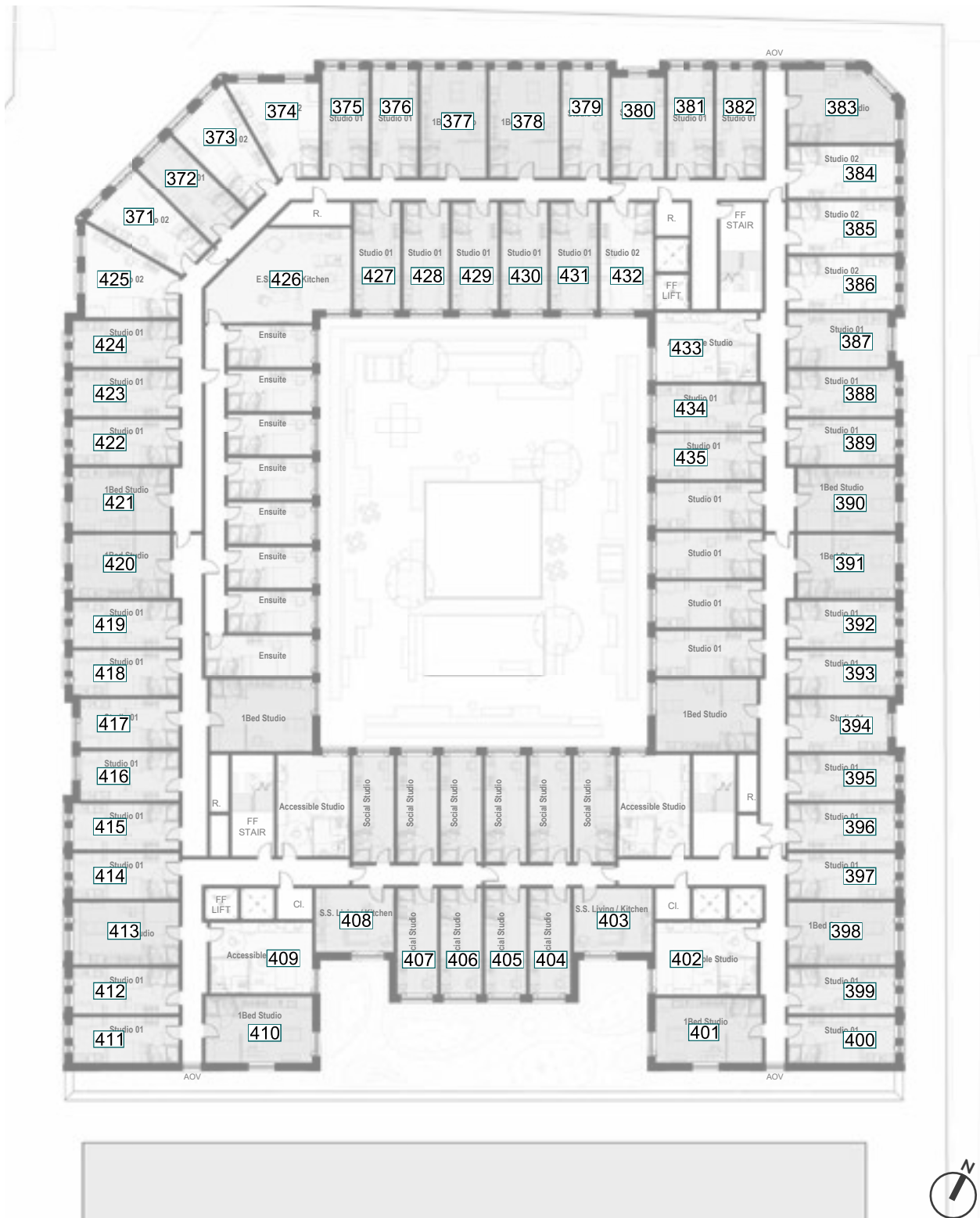


Fig. 23: Floor Plan



Building A - Level 05 (Continued)

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
436	QI	STUDIO ROOM	115	150	YES	01:54
437	QJ	STUDIO ROOM	111	150	YES	01:54
438	QK	STUDIO ROOM	110	150	YES	01:54
439	QL	STUDIO ROOM	106	150	YES	00:38
440	QM	STUDIO ROOM	55	150	YES	00:00
441	QN	STUDIO ROOM	61	150	NO	00:00
442	QO	BEDROOM	143	100	NO	00:00
443	QP	BEDROOM	149	100	NO	00:00
444	QQ	BEDROOM	146	100	NO	00:00
445	QR	BEDROOM	142	100	NO	00:00
446	QS	BEDROOM	137	100	NO	00:00
447	QT	BEDROOM	126	100	NO	00:00
448	QU	STUDIO ROOM	54	150	NO	00:00
449	QV	STUDIO ROOM	63	150	NO	00:00
450	QW	BEDROOM	145	100	NO	00:00
451	QX	BEDROOM	268	100	NO	00:00
452	QY	BEDROOM	281	100	NO	00:00
453	QZ	BEDROOM	286	100	NO	00:00
454	RA	BEDROOM	285	100	NO	00:15
455	RB	BEDROOM	279	100	NO	00:50
456	RC	BEDROOM	267	100	NO	01:14
457	RD	BEDROOM	236	100	NO	01:30

Table 13: Assessment Data

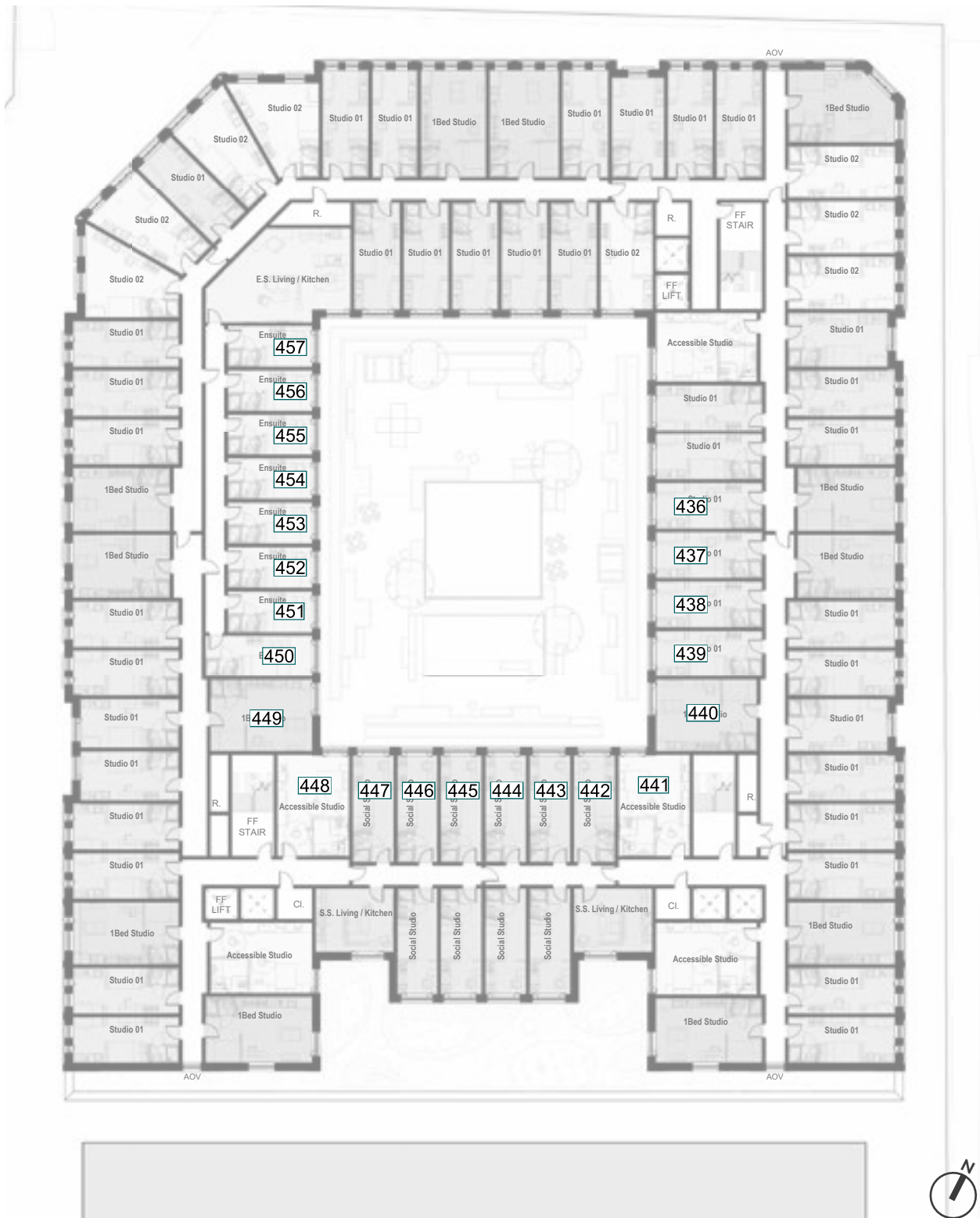


Fig. 24: Floor Plan



Building A - Level 06

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING A - LEVEL 06						
458	RE	STUDIO ROOM	354	150	NO	03:09
459	RF	STUDIO ROOM	264	150	NO	03:09
460	RG	STUDIO ROOM	360	150	NO	03:09
461	RH	STUDIO ROOM	299	150	NO	00:00
462	RI	STUDIO ROOM	210	150	NO	00:00
463	RJ	STUDIO ROOM	208	150	NO	00:00
464	RK	STUDIO ROOM	206	150	NO	00:00
465	RL	STUDIO ROOM	191	150	NO	00:00
466	RM	STUDIO ROOM	210	150	NO	00:00
467	RN	STUDIO ROOM	206	150	NO	00:00
468	RO	STUDIO ROOM	212	150	NO	00:00
469	RP	STUDIO ROOM	209	150	NO	00:00
470	RQ	STUDIO ROOM	590	150	NO	02:02
471	RR	STUDIO ROOM	211	150	NO	01:01
472	RS	STUDIO ROOM	217	150	NO	01:01
473	RT	STUDIO ROOM	221	150	NO	01:01
474	RU	STUDIO ROOM	306	150	NO	02:16
475	RV	STUDIO ROOM	165	150	NO	01:01
476	RW	STUDIO ROOM	167	150	NO	01:01
477	RX	STUDIO ROOM	218	150	NO	02:02
478	RY	STUDIO ROOM	216	150	NO	02:02
479	RZ	STUDIO ROOM	163	150	NO	01:01
480	SA	STUDIO ROOM	162	150	NO	01:01
481	SB	STUDIO ROOM	300	150	NO	02:20
482	SC	STUDIO ROOM	162	150	NO	01:01
483	SD	STUDIO ROOM	164	150	NO	01:01
484	SE	STUDIO ROOM	161	150	NO	01:01
485	SF	STUDIO ROOM	193	150	NO	02:02
486	SG	STUDIO ROOM	164	150	NO	01:01
487	SH	STUDIO ROOM	166	150	NO	01:01
488	SI	STUDIO ROOM	407	150	YES	09:42
489	SJ	STUDIO ROOM	126	150	YES	02:13
490	SK	KITCHEN	167	200	YES	02:33
491	SL	BEDROOM	332	100	YES	06:10
492	SM	BEDROOM	335	100	YES	06:58
493	SN	BEDROOM	331	100	YES	06:58
494	SO	BEDROOM	325	100	YES	06:58
495	SP	KITCHEN	154	200	YES	02:43
496	SQ	STUDIO ROOM	119	150	NO	02:02
497	SR	STUDIO ROOM	367	150	YES	07:07
498	SS	STUDIO ROOM	175	150	YES	04:40
499	ST	STUDIO ROOM	175	150	YES	04:41
500	SU	STUDIO ROOM	198	150	YES	05:22
501	SV	STUDIO ROOM	175	150	YES	04:41
502	SW	STUDIO ROOM	176	150	YES	04:42
503	SX	STUDIO ROOM	302	150	YES	05:24
504	SY	STUDIO ROOM	320	150	YES	05:23
505	SZ	STUDIO ROOM	167	150	YES	04:25
506	TA	STUDIO ROOM	170	150	YES	04:20
507	TB	STUDIO ROOM	233	150	YES	04:59
508	TC	STUDIO ROOM	211	150	YES	04:59
509	TD	STUDIO ROOM	166	150	YES	04:18
510	TE	STUDIO ROOM	165	150	YES	04:19
511	TF	STUDIO ROOM	154	150	YES	04:18
512	TG	STUDIO ROOM	342	150	YES	05:13
513	TH	KITCHEN	43	200	YES	03:43
514	TI	STUDIO ROOM	180	150	YES	04:28
515	TJ	STUDIO ROOM	197	150	YES	05:16
516	TK	STUDIO ROOM	210	150	YES	05:34
517	TL	STUDIO ROOM	213	150	YES	05:16
518	TM	STUDIO ROOM	210	150	YES	04:49
519	TN	STUDIO ROOM	166	150	YES	03:50
520	TO	STUDIO ROOM	119	150	YES	02:39
521	TP	STUDIO ROOM	171	150	YES	02:39
522	TQ	STUDIO ROOM	175	150	YES	02:39

Table 14: Assessment Data

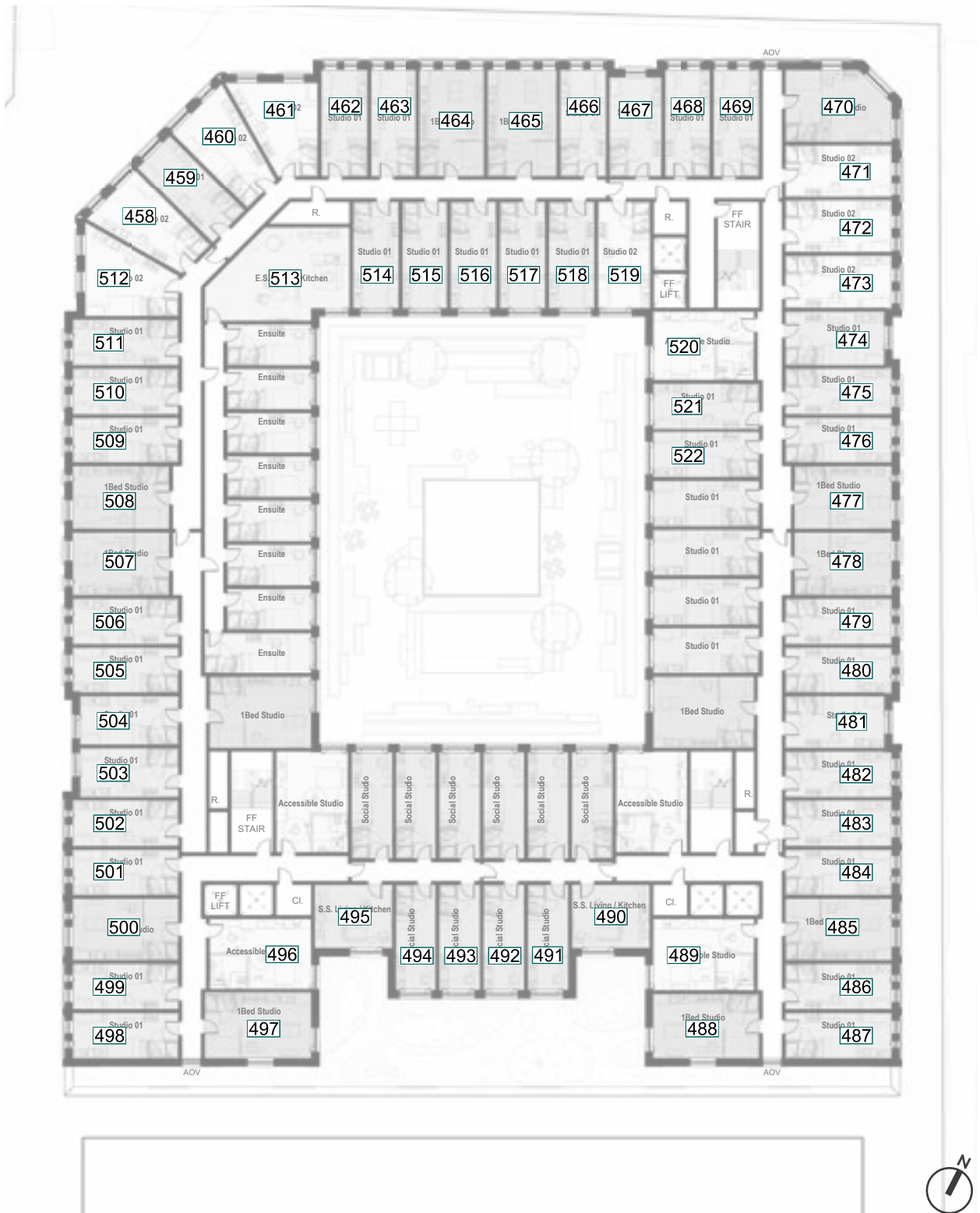


Fig. 25: Floor Plan



Building A - Level 06 (Continued)

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
523	YV	STUDIO ROOM	174	150	YES	02:39
524	YW	STUDIO ROOM	170	150	YES	02:39
525	YX	STUDIO ROOM	164	150	YES	02:39
526	YY	STUDIO ROOM	153	150	YES	02:39
527	YZ	STUDIO ROOM	69	150	YES	00:58
528	ZA	STUDIO ROOM	77	150	NO	00:00
529	ZB	BEDROOM	183	100	NO	00:00
530	ZC	BEDROOM	188	100	NO	00:00
531	ZD	BEDROOM	184	100	NO	00:00
532	ZE	BEDROOM	178	100	NO	00:00
533	ZF	BEDROOM	167	100	NO	00:00
534	ZG	BEDROOM	158	100	NO	00:00
535	ZH	STUDIO ROOM	68	150	NO	00:00
536	ZI	STUDIO ROOM	80	150	NO	00:00
537	ZJ	BEDROOM	184	100	NO	00:00
538	ZK	BEDROOM	324	100	NO	00:00
539	ZL	BEDROOM	334	100	NO	00:18
540	ZM	BEDROOM	337	100	NO	01:05
541	ZN	BEDROOM	338	100	NO	01:31
542	ZO	BEDROOM	334	100	NO	01:48
543	ZP	BEDROOM	320	100	NO	01:59
544	ZQ	BEDROOM	279	100	NO	01:57

Table 15: Assessment Data



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Building A - Level 07

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING A - LEVEL 07						
545	ZR	STUDIO ROOM	361	150	NO	03:09
546	ZS	STUDIO ROOM	265	150	NO	03:09
547	ZT	STUDIO ROOM	361	150	NO	03:09
548	ZU	STUDIO ROOM	304	150	NO	00:00
549	ZV	STUDIO ROOM	213	150	NO	00:00
550	ZW	STUDIO ROOM	211	150	NO	00:00
551	ZX	STUDIO ROOM	209	150	NO	00:00
552	ZY	STUDIO ROOM	196	150	NO	00:00
553	ZZ	STUDIO ROOM	213	150	NO	00:00
554	AAA	STUDIO ROOM	210	150	NO	00:00
555	AAB	STUDIO ROOM	374	150	NO	00:06
556	AAC	STUDIO ROOM	396	150	NO	00:13
557	AAD	STUDIO ROOM	876	150	NO	03:10
558	AAE	STUDIO ROOM	380	150	NO	02:57
559	AAF	STUDIO ROOM	408	150	NO	03:02
560	AAG	STUDIO ROOM	419	150	NO	03:02
561	AAH	STUDIO ROOM	222	150	YES	05:24
562	AAI	STUDIO ROOM	265	150	YES	05:51
563	AAJ	STUDIO ROOM	262	150	YES	06:10
564	AAK	STUDIO ROOM	251	150	YES	06:22
565	AAL	STUDIO ROOM	239	150	YES	06:29
566	AAM	STUDIO ROOM	216	150	YES	05:39
567	AAN	KITCHEN	53	200	YES	04:21
568	AAO	BEDROOM	323	100	NO	02:29
569	AAP	BEDROOM	360	100	NO	02:29
570	AAQ	BEDROOM	376	100	NO	02:29
571	AAR	BEDROOM	380	100	NO	02:23
572	AAS	BEDROOM	381	100	NO	02:15
573	AAT	BEDROOM	378	100	NO	02:01
574	AAU	BEDROOM	373	100	NO	01:35
575	AAV	BEDROOM	221	100	NO	00:27
576	AAW	STUDIO ROOM	100	150	NO	00:00
577	AAX	STUDIO ROOM	81	150	NO	00:00
578	AAZ	BEDROOM	187	100	NO	00:00
579	AAZ	BEDROOM	206	100	NO	00:00
580	ABA	BEDROOM	216	100	NO	00:00
581	ABB	BEDROOM	218	100	NO	00:00
582	ABC	BEDROOM	223	100	NO	00:00
583	ABD	BEDROOM	225	100	NO	00:00
584	ABE	STUDIO ROOM	103	150	NO	00:00
585	ABF	STUDIO ROOM	167	150	NO	01:01
586	ABG	STUDIO ROOM	170	150	NO	01:01
587	ABH	STUDIO ROOM	163	150	NO	01:01
588	ABI	STUDIO ROOM	199	150	NO	02:02
589	ABJ	STUDIO ROOM	167	150	NO	01:01
590	ABK	STUDIO ROOM	168	150	NO	01:01
591	ABL	STUDIO ROOM	468	150	YES	09:50
592	ABM	STUDIO ROOM	114	150	YES	02:13
593	ABN	KITCHEN	190	200	YES	03:02
594	ABO	BEDROOM	364	100	YES	06:10
595	ABP	BEDROOM	363	100	YES	06:59
596	ABQ	BEDROOM	364	100	YES	07:07
597	ABR	BEDROOM	356	100	YES	07:07
598	ABS	KITCHEN	173	200	YES	03:43
599	ABT	STUDIO ROOM	134	150	NO	02:16
600	WQ	STUDIO ROOM	429	150	YES	07:07
601	WR	STUDIO ROOM	185	150	YES	04:44
602	WS	STUDIO ROOM	184	150	YES	04:44
603	WT	STUDIO ROOM	209	150	YES	05:25
604	WU	STUDIO ROOM	182	150	YES	04:44
605	WV	STUDIO ROOM	183	150	YES	04:44
606	WW	STUDIO ROOM	316	150	YES	05:39
607	WX	STUDIO ROOM	334	150	YES	05:39
608	WY	STUDIO ROOM	178	150	YES	04:44
609	WZ	STUDIO ROOM	181	150	YES	04:44

Table 16: Assessment Data

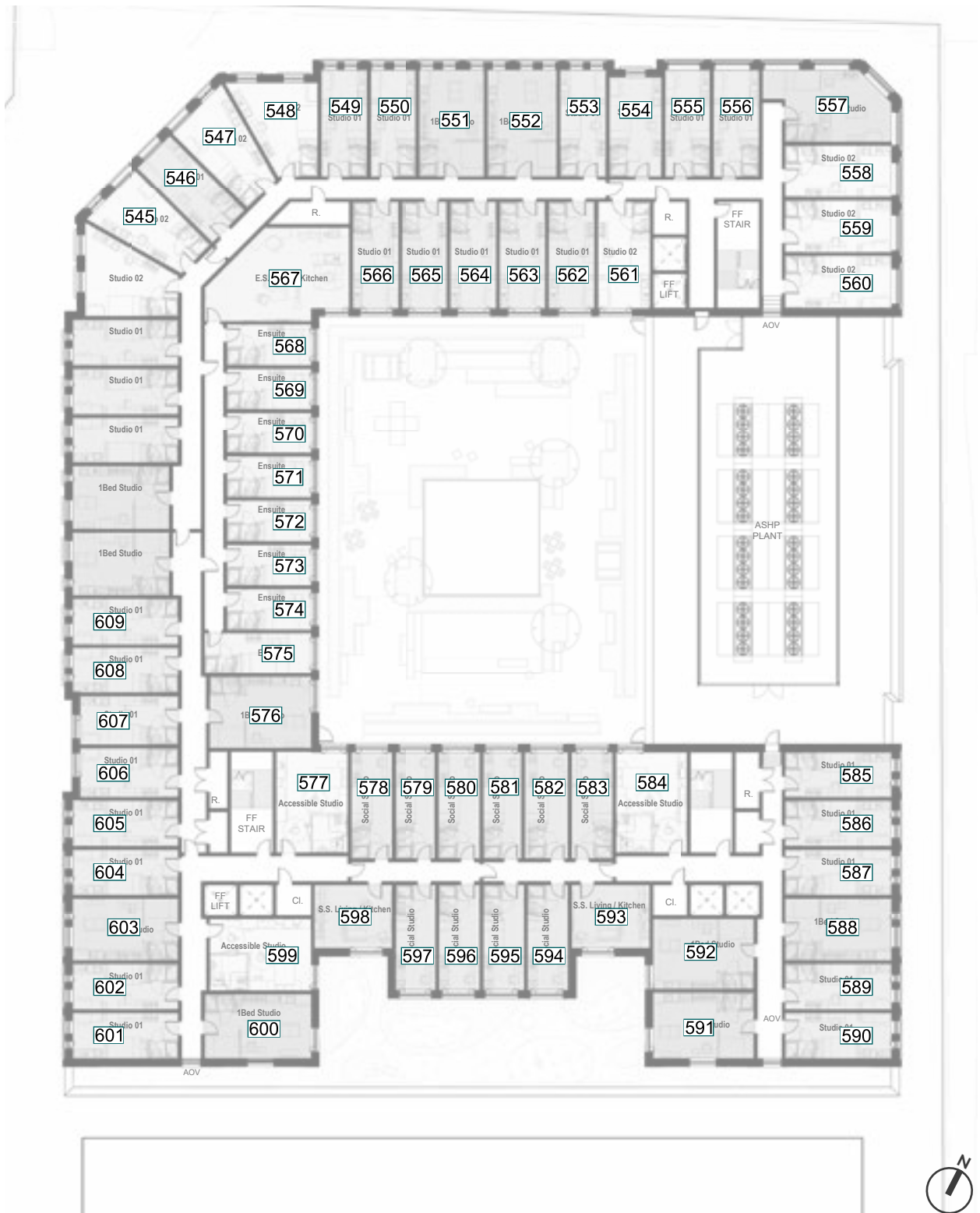


Fig. 27: Floor Plan



Building A - Level 07 (Continued)

ROOM REF.	FLAT	ROOM USE	DAYLIGHT		SUNLIGHT	
			MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
610	XA	STUDIO ROOM	249	150	YES	05:25
611	XB	STUDIO ROOM	225	150	YES	05:25
612	XC	STUDIO ROOM	179	150	YES	04:44
613	XD	STUDIO ROOM	174	150	YES	04:44
614	XE	STUDIO ROOM	164	150	YES	04:44
615	XF	STUDIO ROOM	367	150	YES	05:25

Table 17: Assessment Data

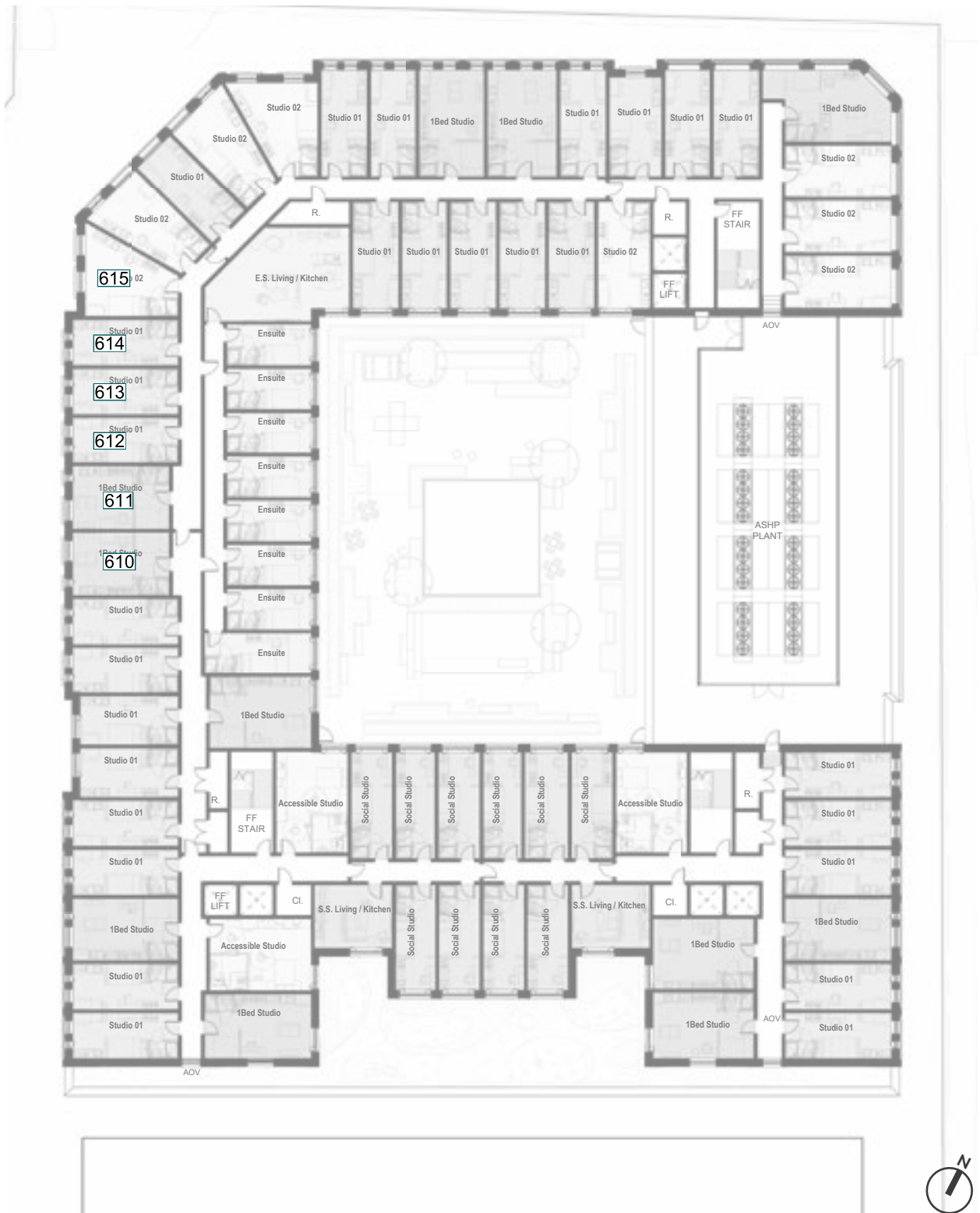


Fig. 28: Floor Plan



Building A - Level 08

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING A - LEVEL 08						
616	XG	STUDIO ROOM	301	150	NO	03:09
617	XH	STUDIO ROOM	319	150	NO	03:09
618	XI	STUDIO ROOM	297	150	NO	03:09
619	XJ	STUDIO ROOM	341	150	NO	00:06
620	XK	STUDIO ROOM	287	150	NO	00:06
621	XL	STUDIO ROOM	396	150	NO	00:06
622	XM	STUDIO ROOM	289	150	NO	00:06
623	XN	STUDIO ROOM	288	150	NO	00:06
624	XO	STUDIO ROOM	384	150	NO	00:06
625	XP	STUDIO ROOM	217	150	NO	00:00
626	XQ	STUDIO ROOM	356	150	NO	00:00
627	XR	STUDIO ROOM	298	150	NO	02:56
628	XS	STUDIO ROOM	263	150	YES	07:07
629	XT	STUDIO ROOM	310	150	YES	07:07
630	XU	STUDIO ROOM	301	150	YES	07:07
631	XV	STUDIO ROOM	290	150	YES	07:07
632	XW	STUDIO ROOM	282	150	YES	07:07
633	XX	STUDIO ROOM	257	150	YES	07:07
634	XY	KITCHEN	63	200	YES	04:45
635	XZ	BEDROOM	363	100	NO	02:56
636	YA	BEDROOM	411	100	NO	02:56
637	YB	BEDROOM	422	100	NO	02:56
638	YC	BEDROOM	424	100	NO	02:56
639	YD	BEDROOM	427	100	NO	02:56
640	YE	BEDROOM	423	100	NO	02:56
641	YF	BEDROOM	422	100	NO	02:56
642	YG	BEDROOM	265	100	NO	02:56
643	YH	STUDIO ROOM	124	150	NO	01:42
644	YI	STUDIO ROOM	64	150	NO	00:00
645	YJ	STUDIO ROOM	262	150	YES	07:36
646	YK	STUDIO ROOM	297	150	YES	05:11
647	YL	STUDIO ROOM	398	150	YES	05:11
648	YM	STUDIO ROOM	279	150	YES	05:11
649	YN	STUDIO ROOM	365	150	YES	06:02
650	YO	STUDIO ROOM	502	150	YES	06:02
651	YP	STUDIO ROOM	386	150	YES	06:02
652	YQ	STUDIO ROOM	388	150	YES	06:02
653	YR	STUDIO ROOM	512	150	YES	06:02
654	YS	STUDIO ROOM	386	150	YES	06:02
655	YT	STUDIO ROOM	367	150	YES	06:02
656	YU	STUDIO ROOM	352	150	YES	06:02

Table 18: Assessment Data

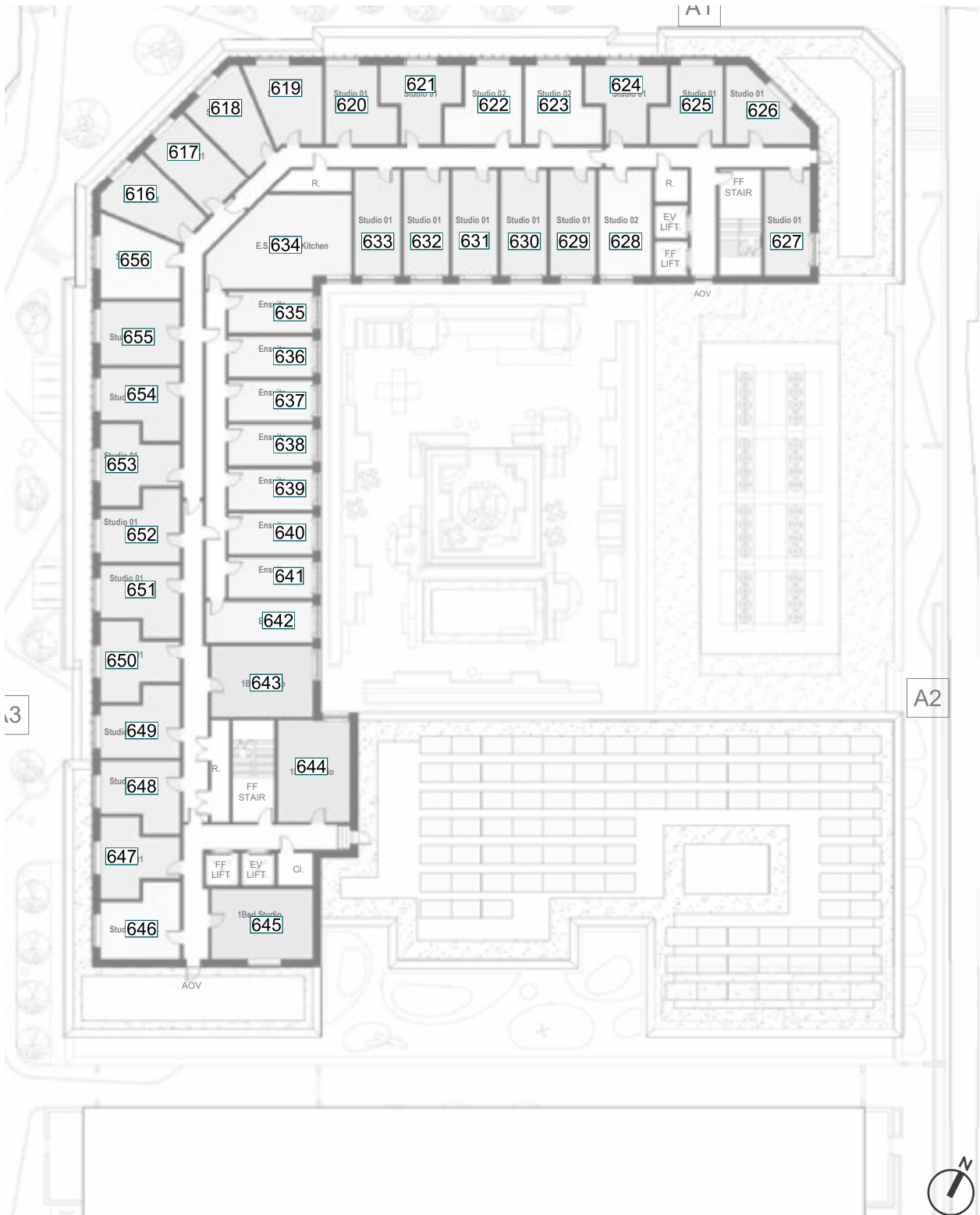


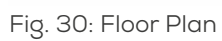
Fig. 29: Floor Plan



Building B - Level 00

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING B – LEVEL 00						
657	YV	L/K/D	90	200	NO	00:00
658	YV	BEDROOM	99	100	NO	00:00
659	YW	KITCHEN	127	200	YES	04:56
660	YX	KITCHEN	193	200	YES	05:45
661	YY	KITCHEN	194	200	YES	06:06
662	YZ	KITCHEN	239	200	YES	07:25

Table 19: Assessment Data



Building B - Level 01

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING B - LEVEL 01						
663	ZA	L/K/D	138	200	NO	00:00
664	ZA	BEDROOM	140	100	NO	00:00
665	YW	LIVING ROOM	173	150	NO	01:56
666	YW	BEDROOM	301	100	YES	04:59
667	YW	BEDROOM	206	100	YES	02:55
668	YW	BEDROOM	2	100	NO	00:00
669	YX	BEDROOM	3	100	NO	00:00
670	YX	BEDROOM	255	100	YES	03:13
671	YX	BEDROOM	317	100	YES	06:01
672	YX	LIVING ROOM	13	150	NO	00:00
673	YY	LIVING ROOM	29	150	NO	00:00
674	YY	BEDROOM	294	100	YES	04:49
675	YY	BEDROOM	280	100	YES	04:42
676	YY	BEDROOM	21	100	NO	00:00
677	YZ	BEDROOM	36	100	NO	00:00
678	YZ	BEDROOM	161	100	YES	05:57
679	YZ	BEDROOM	322	100	YES	05:57
680	YZ	LIVING ROOM	233	150	YES	03:24

Table 20: Assessment Data



Fig. 31: Floor Plan



Building B - Level 02

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING B - LEVEL 02						
681	ZB	L/K/D	158	200	NO	00:00
682	ZB	BEDROOM	165	100	NO	00:00
683	ZC	BEDROOM	242	100	NO	02:12
684	ZC	L/K/D	412	200	YES	05:24
685	ZC	BEDROOM	1	100	NO	00:00
686	ZD	KITCHEN	7	200	NO	00:00
687	ZD	LIVING ROOM	253	150	YES	04:07
688	ZD	BEDROOM	208	100	YES	05:56
689	ZD	BEDROOM	16	100	NO	00:00
690	ZE	BEDROOM	23	100	NO	00:00
691	ZE	BEDROOM	224	100	YES	05:26
692	ZE	L/K/D	142	200	YES	03:29
693	ZF	L/K/D	723	200	YES	10:18
694	ZF	BEDROOM	191	100	YES	03:34

Table 21: Assessment Data



Fig. 32: Floor Plan



Building B - Level 03

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING B - LEVEL 03						
695	ZG	L/K/D	189	200	NO	00:00
696	ZG	BEDROOM	199	100	NO	00:00
697	ZH	BEDROOM	156	100	NO	01:21
698	ZH	L/K/D	460	200	YES	06:13
699	ZH	BEDROOM	2	100	NO	00:00
700	ZI	KITCHEN	7	200	NO	00:00
701	ZI	LIVING ROOM	263	150	YES	03:39
702	ZI	BEDROOM	188	100	YES	05:56
703	ZI	BEDROOM	18	100	NO	00:00
704	ZJ	BEDROOM	28	100	NO	00:00
705	ZJ	BEDROOM	265	100	YES	04:52
706	ZJ	L/K/D	172	200	YES	05:42
707	ZK	L/K/D	830	200	YES	11:27
708	ZK	BEDROOM	227	100	YES	04:48

Table 22: Assessment Data



Fig. 33: Floor Plan



Building B - Level 04

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING B - LEVEL 04						
709	ZL	L/K/D	255	200	NO	00:00
710	ZL	BEDROOM	242	100	NO	00:00
711	ZM	BEDROOM	183	100	NO	01:21
712	ZM	L/K/D	530	200	YES	06:07
713	ZM	BEDROOM	3	100	NO	00:00
714	ZN	KITCHEN	11	200	NO	00:00
715	ZN	LIVING ROOM	327	150	YES	06:00
716	ZN	BEDROOM	246	100	YES	05:56
717	ZN	BEDROOM	31	100	NO	00:00
718	ZO	BEDROOM	54	100	NO	00:00
719	ZO	BEDROOM	262	100	YES	05:26
720	ZO	L/K/D	206	200	YES	05:12
721	ZP	L/K/D	1000	200	YES	11:33
722	ZP	BEDROOM	348	100	YES	04:55

Table 23: Assessment Data

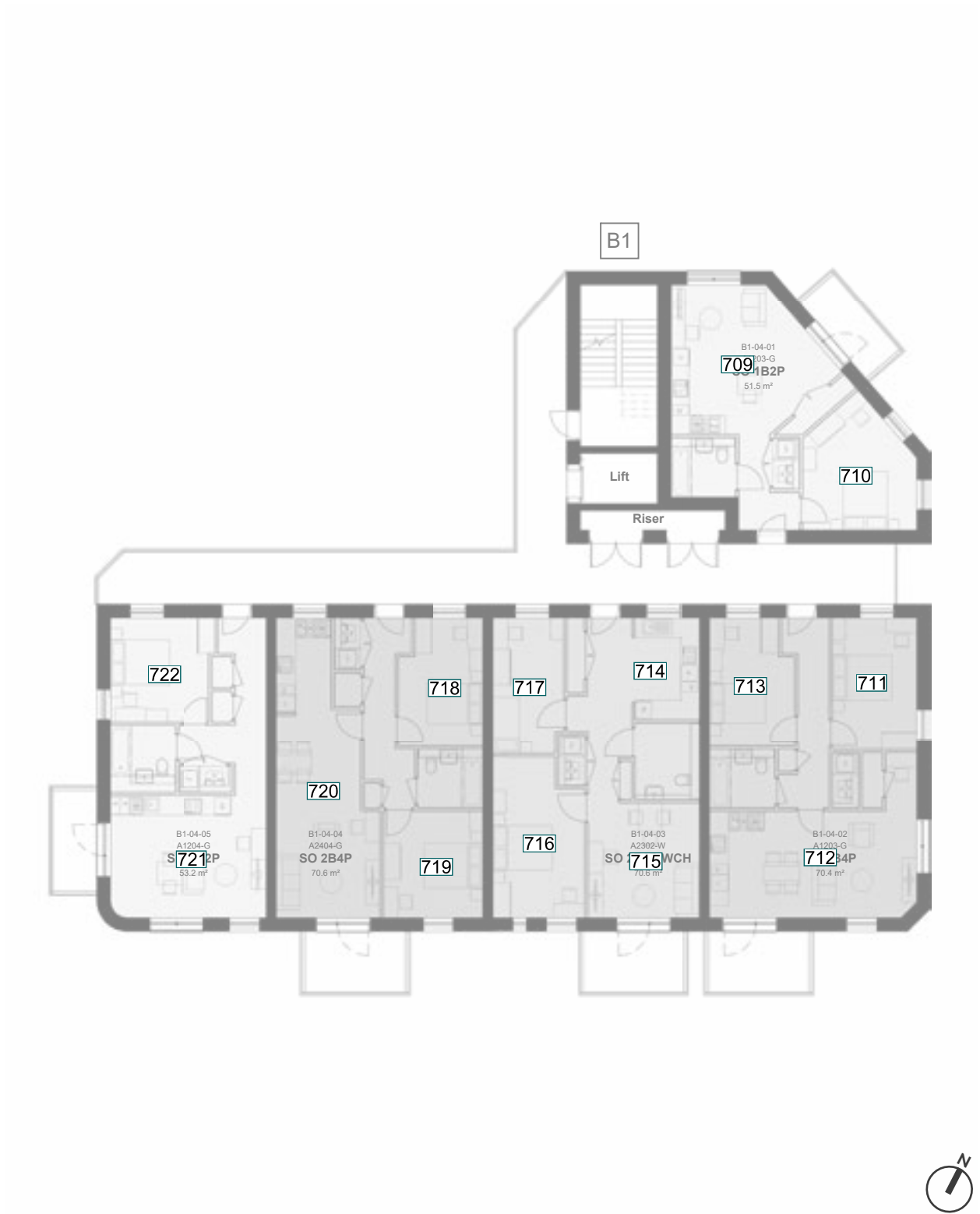


Fig. 34: Floor Plan



Building B - Level 05

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING B - LEVEL 05						
723	ZQ	L/K/D	372	200	NO	00:00
724	ZQ	BEDROOM	332	100	NO	00:35
725	ZR	BEDROOM	217	100	NO	01:21
726	ZR	L/K/D	740	200	YES	07:51
727	ZR	BEDROOM	3	100	NO	00:00
728	ZS	KITCHEN	17	200	NO	00:00
729	ZS	LIVING ROOM	500	150	YES	07:46
730	ZS	BEDROOM	273	100	YES	05:56
731	ZS	BEDROOM	52	100	NO	00:00
732	ZT	BEDROOM	98	100	NO	00:00
733	ZT	BEDROOM	293	100	YES	06:02
734	ZT	L/K/D	826	200	YES	11:33

Table 24: Assessment Data



Fig. 35: Floor Plan



Building C - Level 00

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING C - LEVEL 00						
735	ZU	BEDROOM	104	100	YES	00:08
736	ZV	BEDROOM	101	100	NO	00:00
737	ZW	KITCHEN	264	200	YES	04:37
738	ZX	KITCHEN	188	200	YES	04:05
739	ZY	KITCHEN	179	200	YES	04:37
740	ZZ	KITCHEN	146	200	YES	05:20
741	AAA	KITCHEN	96	200	YES	04:46
742	AAB	KITCHEN	203	200	YES	04:36

Table 25: Assessment Data

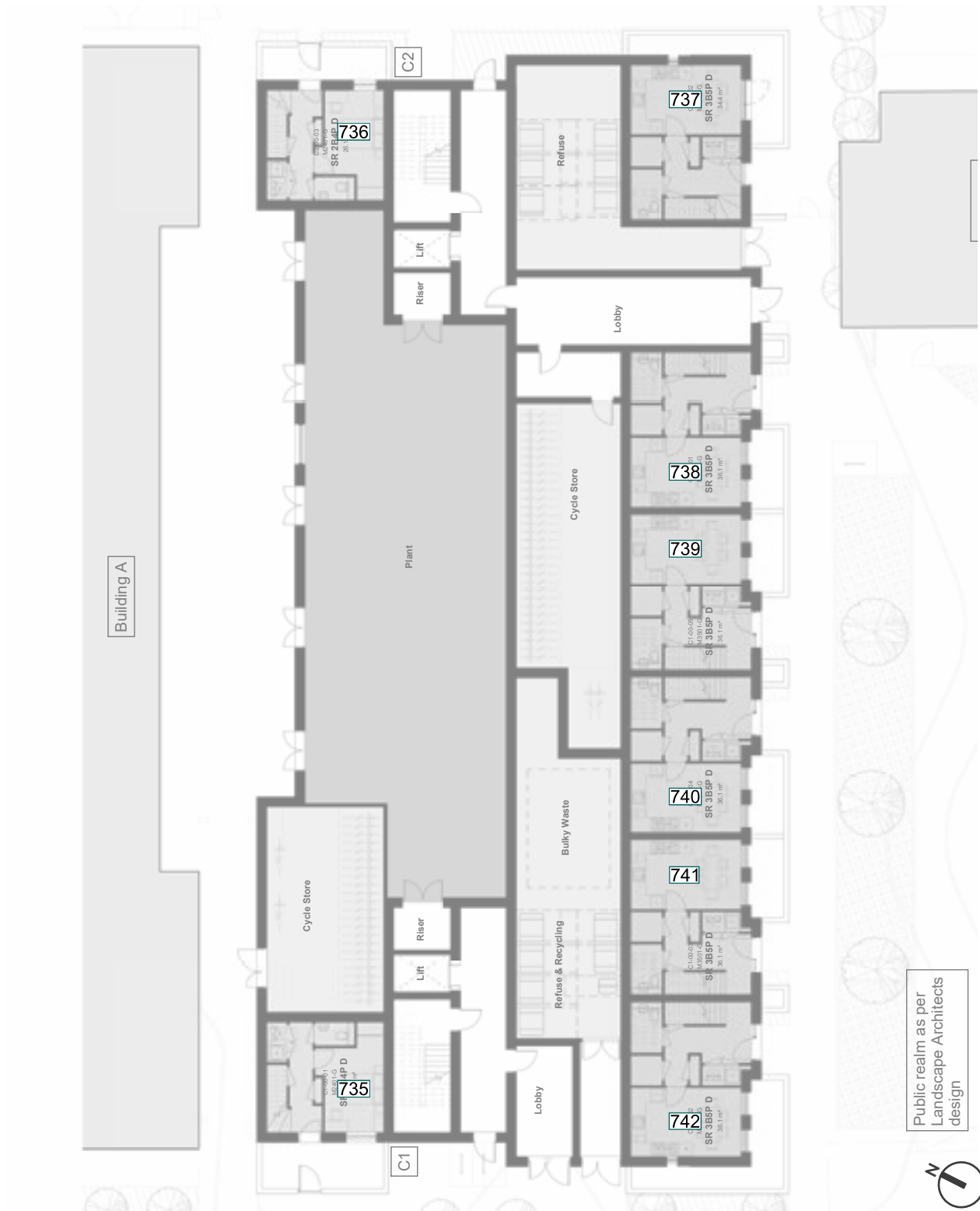


Fig. 36: Floor Plan



Building C - Level 01

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING C - LEVEL 01						
743	ZU	BEDROOM	169	100	YES	00:30
744	ZU	L/K/D	36	200	NO	00:00
745	ZV	L/K/D	39	200	YES	00:48
746	ZV	BEDROOM	302	100	NO	02:44
747	ZW	LIVING ROOM	180	150	NO	01:40
748	ZW	BEDROOM	536	100	YES	07:45
749	ZW	BEDROOM	246	100	YES	05:27
750	ZW	BEDROOM	4	100	NO	00:00
751	AAC	BEDROOM	2	100	NO	00:00
752	AAC	L/K/D	128	200	YES	03:03
753	ZX	BEDROOM	162	100	YES	01:16
754	ZX	BEDROOM	11	100	NO	00:00
755	ZX	LIVING ROOM	22	150	NO	00:00
756	ZX	BEDROOM	210	100	YES	04:05
757	ZY	BEDROOM	196	100	YES	03:58
758	ZY	LIVING ROOM	24	150	NO	00:00
759	ZY	BEDROOM	18	100	NO	00:00
760	ZY	BEDROOM	164	100	YES	02:23
761	ZZ	BEDROOM	168	100	YES	03:27
762	ZZ	BEDROOM	13	100	NO	00:00
763	ZZ	LIVING ROOM	21	150	NO	00:00
764	ZZ	BEDROOM	195	100	YES	05:39
765	AAA	BEDROOM	193	100	YES	04:23
766	AAA	LIVING ROOM	7	150	NO	00:00
767	AAA	BEDROOM	2	100	NO	00:00
768	AAA	BEDROOM	166	100	YES	03:12
769	AAB	BEDROOM	173	100	YES	03:45
770	AAB	BEDROOM	3	100	NO	00:00
771	AAB	LIVING ROOM	183	150	YES	01:37
772	AAB	BEDROOM	205	100	YES	05:26

Table 26: Assessment Data



Building C - Level 02

BUILDING C - LEVEL 02			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING C - LEVEL 02						
773	AAD	L/K/D	140	200	YES	00:23
774	AAD	BEDROOM	20	100	NO	00:00
775	AAE	BEDROOM	18	100	YES	00:16
776	AAE	L/K/D	238	200	NO	02:53
777	AAF	BEDROOM	220	100	NO	01:51
778	AAF	L/K/D	516	200	YES	07:59
779	AAF	BEDROOM	2	100	NO	00:00
780	AAG	BEDROOM	1	100	NO	00:00
781	AAG	BEDROOM	230	100	YES	05:37
782	AAH	L/K/D	116	200	YES	03:21
783	AAH	BEDROOM	432	100	YES	05:52
784	AAH	BEDROOM	20	100	NO	00:00
785	AAI	BEDROOM	20	100	NO	00:00
786	AAI	BEDROOM	430	100	YES	05:37
787	AAI	L/K/D	120	200	YES	03:03
788	AAJ	L/K/D	117	200	YES	03:55
789	AAJ	BEDROOM	427	100	YES	05:57
790	AAJ	BEDROOM	15	100	NO	00:00
791	AAK	BEDROOM	13	100	NO	00:00
792	AAK	BEDROOM	123	100	YES	04:23
793	AAK	LIVING ROOM	221	150	YES	03:28
794	AAK	KITCHEN	4	200	NO	00:00
795	AAL	BEDROOM	1	100	NO	00:00
796	AAL	L/K/D	501	200	YES	08:15
797	AAL	BEDROOM	258	100	YES	01:41

Table 27: Assessment Data



Building C - Level 03

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING C - LEVEL 03						
798	AAM	L/K/D	174	200	YES	00:53
799	AAM	BEDROOM	26	100	NO	00:00
800	AAN	BEDROOM	24	100	YES	00:16
801	AAN	L/K/D	264	200	NO	02:53
802	AAO	BEDROOM	238	100	NO	01:51
803	AAO	L/K/D	590	200	YES	07:59
804	AAO	BEDROOM	2	100	NO	00:00
805	AAP	BEDROOM	2	100	NO	00:00
806	AAP	BEDROOM	314	100	YES	05:37
807	AAQ	L/K/D	146	200	YES	04:23
808	AAQ	BEDROOM	502	100	YES	05:52
809	AAQ	BEDROOM	24	100	NO	00:00
810	AAR	BEDROOM	24	100	NO	00:00
811	AAR	BEDROOM	490	100	YES	05:37
812	AAR	L/K/D	146	200	YES	03:41
813	AAS	L/K/D	144	200	YES	04:23
814	AAS	BEDROOM	495	100	YES	05:57
815	AAS	BEDROOM	20	100	NO	00:00
816	AAT	BEDROOM	16	100	NO	00:00
817	AAT	BEDROOM	148	100	YES	04:23
818	AAT	LIVING ROOM	256	150	YES	03:39
819	AAT	KITCHEN	6	200	NO	00:00
820	AAU	BEDROOM	1	100	NO	00:00
821	AAU	L/K/D	566	200	YES	08:40
822	AAU	BEDROOM	301	100	YES	01:41

Table 28: Assessment Data



Fig. 39: Floor Plan



Building C - Level 04

Building C - Level 04			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING C - LEVEL 04						
823	AAV	L/K/D	210	200	YES	02:03
824	AAV	BEDROOM	38	100	NO	00:00
825	AAW	BEDROOM	39	100	YES	00:36
826	AAW	L/K/D	281	200	NO	02:53
827	AAX	BEDROOM	252	100	NO	01:51
828	AAX	L/K/D	643	200	YES	07:59
829	AAX	BEDROOM	3	100	NO	00:00
830	AAY	BEDROOM	2	100	NO	00:00
831	AAY	BEDROOM	355	100	YES	05:37
832	AAZ	L/K/D	169	200	YES	04:23
833	AAZ	BEDROOM	552	100	YES	05:52
834	AAZ	BEDROOM	31	100	NO	00:00
835	ABA	BEDROOM	31	100	NO	00:00
836	ABA	BEDROOM	546	100	YES	05:37
837	ABA	L/K/D	165	200	YES	03:41
838	ABB	L/K/D	164	200	YES	04:23
839	ABB	BEDROOM	547	100	YES	05:57
840	ABB	BEDROOM	26	100	NO	00:00
841	ABC	BEDROOM	20	100	NO	00:00
842	ABC	BEDROOM	171	100	YES	04:23
843	ABC	LIVING ROOM	283	150	YES	03:39
844	ABC	KITCHEN	7	200	NO	00:00
845	ABD	BEDROOM	2	100	NO	00:00
846	ABD	L/K/D	629	200	YES	08:40
847	ABD	BEDROOM	350	100	YES	02:29

Table 29: Assessment Data



Fig. 40: Floor Plan



Building C - Level 05

Building C - Level 05			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING C - LEVEL 05						
848	ABE	L/K/D	370	200	YES	05:25
849	ABE	BEDROOM	117	100	NO	00:00
850	ABF	BEDROOM	132	100	YES	03:54
851	ABF	L/K/D	382	200	NO	02:53
852	ABG	BEDROOM	244	100	NO	01:32
853	ABG	L/K/D	788	200	YES	07:53
854	ABG	BEDROOM	6	100	NO	00:00
855	ABH	BEDROOM	8	100	NO	00:00
856	ABH	BEDROOM	447	100	YES	07:51
857	ABI	L/K/D	289	200	YES	07:53
858	ABI	BEDROOM	552	100	YES	07:38
859	ABI	BEDROOM	82	100	NO	00:00
860	ABJ	BEDROOM	82	100	NO	00:00
861	ABJ	BEDROOM	543	100	YES	07:37
862	ABJ	L/K/D	291	200	YES	07:53
863	ABK	L/K/D	295	200	YES	07:56
864	ABK	BEDROOM	549	100	YES	07:38
865	ABK	BEDROOM	71	100	NO	00:00
866	ABL	BEDROOM	74	100	NO	00:00
867	ABL	BEDROOM	405	100	YES	07:36
868	ABL	LIVING ROOM	471	150	YES	07:54
869	ABL	KITCHEN	17	200	NO	00:00
870	ABM	BEDROOM	4	100	NO	00:00
871	ABM	L/K/D	782	200	YES	09:48
872	ABM	BEDROOM	233	100	YES	03:01

Table 30: Assessment Data



Fig. 41: Floor Plan



Building D - Level 00

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING D - LEVEL 00						
873	ABN	KITCHEN	144	200	YES	02:13
874	ABN	LIVING ROOM	107	150	NO	01:13
875	ABO	LIVING ROOM	113	150	NO	01:47
876	ABO	KITCHEN	142	200	YES	01:32
877	ABP	KITCHEN	109	200	NO	00:00
878	ABP	LIVING ROOM	90	150	YES	04:53
879	ABQ	KITCHEN	76	200	NO	00:00
880	ABQ	LIVING ROOM	235	150	YES	06:08
881	ABR	LIVING ROOM	244	150	YES	06:33
882	ABR	KITCHEN	80	200	NO	00:00
883	ABS	KITCHEN	76	200	NO	00:00
884	ABS	LIVING ROOM	242	150	YES	06:34
885	ABT	LIVING ROOM	252	150	YES	06:39
886	ABT	KITCHEN	87	200	NO	00:00

Table 31: Assessment Data

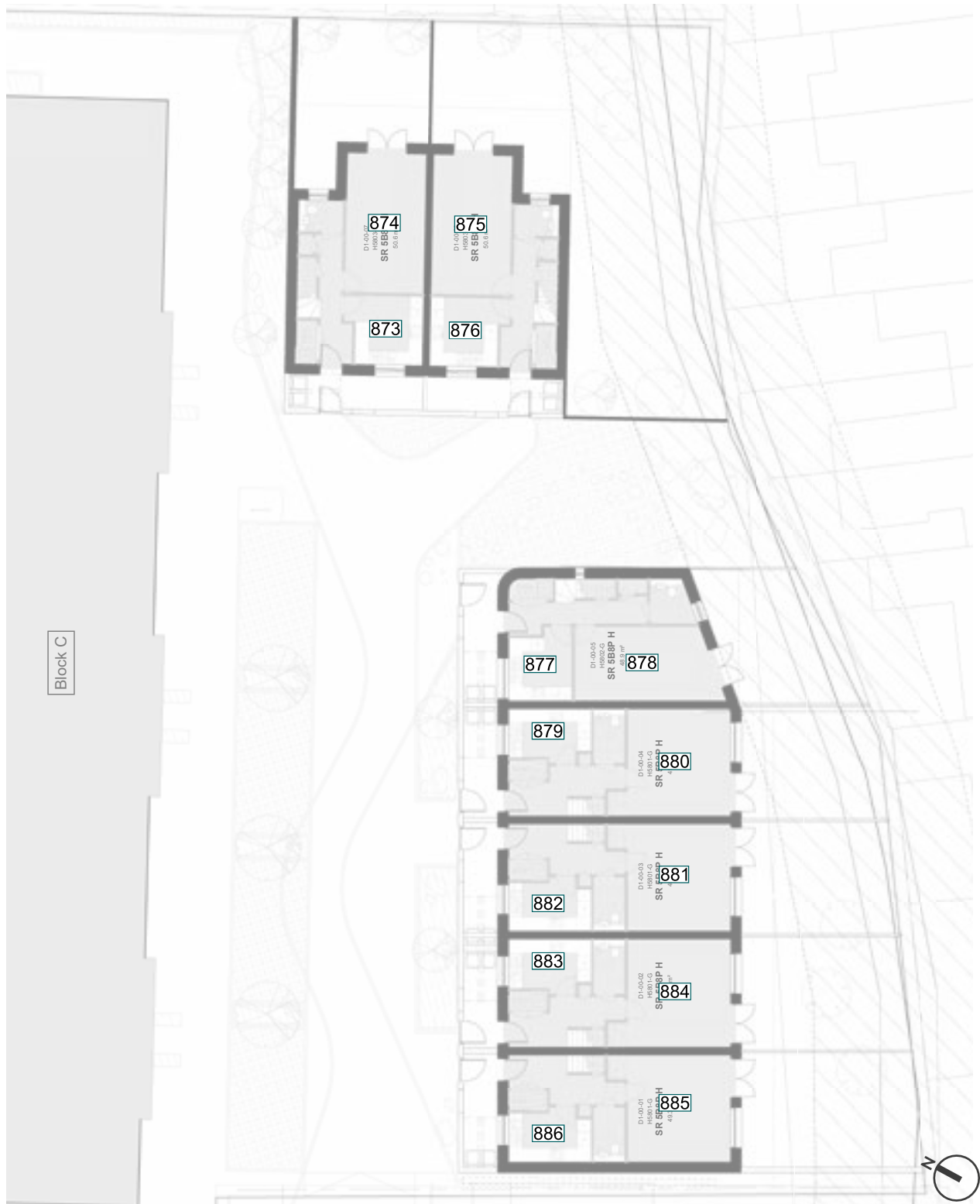


Fig. 42: Floor Plan



Building D - Level 01

			DAYLIGHT		SUNLIGHT	
ROOM REF.	FLAT	ROOM USE	MEDIAN DAYLIGHT ILLUMINANCE (lux)	TARGET (lux)	BY ROOM	
					WINDOW WITHIN 90° DUE SOUTH	21 MAR
BUILDING D - LEVEL 01						
887	ABN	BEDROOM	223	100	YES	04:05
888	ABN	BEDROOM	269	100	NO	02:31
889	ABO	BEDROOM	270	100	NO	02:29
890	ABO	BEDROOM	220	100	YES	03:14
891	ABP	BEDROOM	159	100	NO	00:00
892	ABP	BEDROOM	232	100	YES	06:42
893	ABQ	BEDROOM	192	100	NO	00:00
894	ABQ	BEDROOM	371	100	YES	06:48
895	ABR	BEDROOM	209	100	NO	00:00
896	ABR	BEDROOM	377	100	YES	07:00
897	ABS	BEDROOM	204	100	NO	00:00
898	ABS	BEDROOM	376	100	YES	06:46
899	ABT	BEDROOM	215	100	NO	00:00
900	ABT	BEDROOM	382	100	YES	07:00

Table 32: Assessment Data



Fig. 43: Floor Plan



Block D - Level 02

Block D - Level 02

Room Ref.	Flat	Room Use	Daylight		Sunlight	
			Median Daylight Illuminance (lux)	Target (lux)	By Room	
					Window Within 90° Due South	21 Mar
Building D - Level 02						
901	ABN	BEDROOM	387	100	YES	04:02
902	ABN	BEDROOM	295	100	YES	03:47
903	ABN	BEDROOM	350	100	NO	02:42
904	ABO	BEDROOM	352	100	NO	02:49
905	ABO	BEDROOM	306	100	YES	03:55
906	ABO	BEDROOM	446	100	YES	04:08
907	ABP	BEDROOM	150	100	NO	00:00
908	ABP	BEDROOM	318	100	YES	07:05
909	ABP	BEDROOM	281	100	NO	00:00
910	ABQ	BEDROOM	130	100	NO	00:00
911	ABQ	BEDROOM	521	100	YES	07:00
912	ABQ	BEDROOM	221	100	NO	00:00
913	ABR	BEDROOM	227	100	NO	00:00
914	ABR	BEDROOM	522	100	YES	07:00
915	ABR	BEDROOM	137	100	NO	00:00
916	ABS	BEDROOM	132	100	NO	00:00
917	ABS	BEDROOM	512	100	YES	07:00
918	ABS	BEDROOM	227	100	NO	00:00
919	ABT	BEDROOM	220	100	NO	00:00
920	ABT	BEDROOM	514	100	YES	07:00
921	ABT	BEDROOM	139	100	NO	00:00

Table 33: Assessment Data



Fig. 44: Floor Plan





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