



First Development Site Application

Daylight, Sunlight and Overshadowing S73 Amendments

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1.0 Assessment of the Proposed Units

The Daylight and Sunlight Assessment of the proposed units has been updated according to the proposed changes. The study has been carried out in accordance with the methodology outlined in the Building Research Establishment (BRE) Guide 'Site Layout Planning for Sunlight and Daylight: A Guide to Good Practice' by P J Littlefair (2011).

The quality and quantity of daylighting in an interior space depends on two main factors: external environment and internal layout. External environment, e.g. Obstruction from neighbouring buildings or topographical features has an impact on daylight provision whereas internal layout and windows' size affects daylight distribution within a living area.

Section 2.1 and Appendix C of the BRE guide provide several methods for calculating daylight levels within new developments.

According to the BRE guide and BS8206, only main living areas within a dwelling, i.e. Kitchens, living/dining rooms and bedrooms, should be assessed against the criteria provided, as these are occupied for a long period throughout the day and daylighting is essential for carrying out tasks. Therefore, secondary spaces, e.g. Circulation

areas, bathrooms and storerooms, are excluded from this study.

Daylight

Average Daylight Factor

The most effective way to assess quality and quantity of daylight within a living area is by calculating the Average Daylight Factor (ADF). The ADF, which measures the overall amount of daylight in a space, is the ratio of the average illuminance on the working plane in a room to the illuminance on an unobstructed horizontal surface outdoors, expressed as a percentage.

The ADF takes into account the VSC value, i.e. The amount of daylight received on windows, the size and number of windows, the diffuse visible transmittance of the glazing used, the maintenance factor and the reflectance of the room surfaces. Therefore, it is considered as a more detailed and representative measure of the daylight levels within a living area.

In housing, BS 8206-2 recommends minimum values of ADF of 2% for kitchens, 1.5% for living rooms and 1% for bedrooms.

Table 1. Daylight criteria for the assessment of the daylight levels of new buildings

Measure of Interior Daylight	Benchmark	Daylight Criterion
Average Daylight Factor (ADF)	2.0% 1.5% 1.0%	Minimum value of ADF for Kitchens Minimum value of ADF for Living rooms Minimum value of ADF for Bedrooms
Vertical Sky Component (VSC)	27%	Minimum value of VSC
No-Sky View (NSL)	80%	There will be a good distribution of light in the room if at least 80% of the working plane receives direct skylight.
Room Depth Criterion (RDC)	Based on the formula in the Building Research Establishment (BRE) Guide	
Measure of Interior Sunlight	Benchmark	Sunlight Criterion
APSH	25% 5%	Minimum value of annual probable sunlight hours Minimum value of winter probable sunlight hours
Sun on the ground	50%	Minimum area of the amenity space receives two hours of sunlight on 21 March

Position of the No-Sky Line

A measure to assess the distribution of daylight in a space is the percentage of area that lays beyond the no-sky line i.e. The area that receives no direct skylight. This is important as it indicates how good the distribution of daylight is in a room. If more than 20% of the working plane lies beyond the no-sky line poor daylight levels are expected within the space.

Room Depth Criterion

As one important factor to consider when designing a new home is that reducing the building depth (window wall to window wall) could be helpful for good interior daylight.

The BRE handbook requires a check of the room depth ratio for the overall ADF to demonstrate that the depth of the room is not out of proportion to the width and the window head height to the extent that the distribution of light will be poor.

When a daylit room is lit by windows in one wall only, the guide recommends that the depth of the room should not exceed the limiting value based on the calculation.

Sunlight

Sunlight is valued as it provides dwellings with light and warmth and it also allows for passive heating through solar gains that reduces heating energy consumption. Optimum arrangement of the site to produce the best orientation (within 90° of due south) and reduce overshadowing should be considered in order to take advantage of solar energy during winter time.

According to BRE Guide, the main requirement for sunlight in housing is in living rooms, whereas in bedrooms and kitchens sunlight is viewed as less important. Therefore for a space to be reasonably sunlit at least one main window wall should face within 90° of due south and the centre of at least one window to a main living room should receive 25% of annual probable sunlight hours, including at least 5% of annual probable sunlight hours in the winter months between 21 September and 21 March. If a room has multiple windows on the same wall or on adjacent walls, the highest value of APSH should be taken. If a room has two windows on opposite walls, the APSH due to each can be added together.

According to the BRE Guide, at high-density developments it becomes difficult to avoid some dwellings being seriously obstructed or having a poor orientation. Where prolonged access to sunlight is available, measures to avoid overheating and unwanted glare from the sun should be considered.

Gardens and open spaces

The methodology is based on guidelines set out in the 2011 BRE Handbook that states the following:

"The availability of sunlight should be checked for all open spaces where it will be required. This would normally include: private gardens (usually the main back garden of a house), parks and playing fields, children's playgrounds..."

BRE Guide recommends that for a garden or amenity to appear adequately sunlit throughout the year, at least half of it should receive at least two hours of sunlight on 21 March (Spring Equinox).

The Guide suggests that where large buildings are proposed which may affect a number of amenity spaces it is useful to plot a shadow plan to show the location of shadows at different times of the day on 21st March.

The methodology to assess the sunlight impact of the amenity spaces is as follows: sunlight provision is considered adequate if at least 50% of the amenity space receives two hours of sunlight on 21 March. If otherwise, then a comparison between the existing and proposed conditions is required to test whether the amenity space receives at least 80% of sunlight of its former value. If this is the case the BRE guidance states that the loss of sunlight is negligible.

The table 1 summarises the assessment criteria as described in the BRE Guide that should be applied to new developments in order to ensure good daylight and sunlight levels within the main living areas of residential units.

Proposed Development - summary of the results

Daylight

The daylight analysis was carried out on the proposed development to ensure good daylight levels according to the BRE guidelines.

Table 32 presents a summary of the results of the daylight analysis, in terms of daylight provision (Average Daylight Factor and No-Sky Line). A total number of 990 rooms were tested against the BRE criteria.

The three-dimensional representation of the proposed buildings was placed in the context of its surrounding buildings.

The simulation assumptions are based on values from reflectance, transmittance and maintenance factors as specified in BS 8206-2:2008, Annex A and in line with the specifications used in the original assessment. The tables below summarise the factors used in the analysis:

Reflectance values:

Surrounding	0.2
Internal walls (light grey)	0.6
Internal ceiling (white paint)	0.8
Internal floor (light veneer)	0.4

Transmittance values

Double glazing (Low-E)	0.75
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Maintenance factors

Double Low-E (Frames not modelled)	
TV (normal)	0.75
A.3	8
A.4	1
A.5	1
A.6	0.8
TV (Total)	0.55

All the rooms were assessed, as represented in Appendix 10.4. The habitable rooms were assessed for both Average Daylight Factor (ADF) and No-Sky Line (NSL).

The results show that 81% of the habitable spaces in subplot 3 and 4 meet and, in some instances, exceed the BRE target for both Average Daylight Factor (ADF) and No-Sky Line (NSL).

The requirement for kitchens and open spaces is higher than the requirement for bedrooms or for separate living rooms. It is, therefore, harder to achieve the minimum target of these rooms in blocks of flats located in urban environments. The numerical results indicate that open spaces which include a living rooms and a kitchen often achieve an ADF value of at least 1.5%. This is the value recommended for living rooms.

Subplot 3

Subplot 3 provides 61 units: 41 flats, 6 houses and 14 maisonettes and duplexes and consists of Block 3A, Block 3B, and Block 3C. Social rented maisonettes and houses with private sale apartments are placed in Block A and Shared Ownership apartments are designed in Block B.

Block 3A: This is a 4 story block and includes maisonettes on the lower floors and flats on the upper levels up to maximum of 4 storeys.

Block 3B: The height of the eastern block rises from 6 to 7 storeys compared to the consented scheme and retains the setback on the uppermost floor. The eastern portion of the block remains at 4 storeys however now consists of maisonettes at ground floor with apartments above.

Block 3C: The massing of Block 3C includes 6 three storey houses along New East West Street.

The results of the daylight analysis show that 94% of the habitable rooms achieve the ADF criterion and 82% of the rooms achieve the No-Sky Line target. According to the results, 9 rooms on the ground floor, 1 room on the first and second floor, and 2 rooms on the third floor fall below the BRE recommendations. These are 4 Kitchens, 3 Kitchen/Dinning/Living rooms and 5 kitchen/Dinning spaces. The level of reductions are between 0.3% to 1.01% compared to the required ADF value. 2 of the failing Kitchen/Dinning/Livings on the first and third floors exceed the minimum ADF target for the living space (1.5%). The failures are deemed acceptable as the main living spaces achieve values which are within acceptable levels and the overall level of compliance is in line with the results described in the original daylight and sunlight assessment.

Subplot 4

Subplot 4 provides a total of 260 units and consist of 243 flats, and 17 maisonettes and duplexes, and is faces Albany Road to the south and Portland Street to the east. Subplot 4 consists of Block 4A, Block 4B, Block 4C, Block 4D, and Block 4E.

Block 4A: Block 4A is a 23 storeys building including apartments and a rooftop amenity space for residents.

Block 4B: Block 4B includes duplex maisonettes over ground and first floor with apartments on the upper levels to a maximum of 10 storeys in height inclusive of lateral apartments in the West portion.

Block 4C: Block 4C includes duplex maisonettes over ground and first floor with apartments on the upper levels to a maximum of 7 storeys in height.

Block 4D: Block 4D includes duplex maisonettes over ground and first floor with apartments on the upper levels to a maximum of 10 storeys in height.

Block 4E: Block 4E included duplex maisonettes over ground and first floor with apartments on the upper levels to a maximum of 10 storeys in height.

The majority of the habitable rooms meet and achieve the daylight conditions for daylight. The results are in line with the results described in the original daylight and sunlight assessment. Although the majority of the habitable rooms meet the BRE criterion for ADF, there are some reductions. In particular, one bedroom and 14 Kitchen/Dinning/Living

rooms on the lower floors of Block 4A achieve ADF values below the recommended target. Achieving lower values on the lower floor in an urban area is inevitable as the obstruction from the surrounding building reduces the amount of light entering the rooms.

There are 57 open spaces (Kitchens/Living/Dining rooms) in Block 4B that are partially obstructed by balconies and by the adjacent buildings and the results are generally below the recommended target of 5%. However, the majority of these spaces achieve at least 1.5% ADF in the living area, which is deemed adequate for a living room.

In block 4C, there are 18 bedrooms, 2 kitchens and 11 Kitchen/Dinning/Living rooms falling below the recommended ADF value. Similar results are found in Block 4C where the failing rooms are either bedrooms or open spaces which are obstructed by the surrounding buildings and by the balcony above the main window.

There are 12 Kitchen/Dining/living rooms and 2 bedrooms that fall below the recommended ADF value in block 4E. The living area generally achieve an ADF value of at least 1.5%, which is the minimum target for living rooms.

Overall, daylight conditions for the proposed habitable spaces in subplot 04 are deemed good.

In summary, 990 rooms were assessed in Subplot 03 and 04. The daylight results show that a total of 798 (81%) rooms achieve ADF levels that are either in line or above the BRE recommendations. In addition to good levels of daylight ingress, good sky visibility can be seen in 802 (81%) of the proposed rooms. These results are considered to be good for a scheme of this size and nature.

The detailed results and labelled floor plans are shown in the following sections.

Table 2. Daylight and Sunlight Assessment: Proposed buildings

Address	Total Assessed rooms	Total Rooms that Meet the ADF Criteria		Total Rooms that Meet the NSL Criteria		Total Rooms that Meet the Room Depth Criteria	
		Total No. of rooms that meet criteria	Total % of rooms that meet criteria	Total No. of rooms that meet criteria	Total % of rooms that meet criteria	Total No. of rooms that meet criteria	Total % of rooms that meet criteria
S03	216	203	94%	177	82%	216	100%
S04	774	595	77%	597	81%	768	99%
Total	990	798	81%	802	81%	984	99%

Sunlight

In houses, the main requirement for sunlight is in living rooms, where it is valued at any time of day, but especially in the afternoon.

According to the BRE guide, for a space to be reasonably sunlit:

- At least one main window wall should face within 90° of due south and
- The centre of at least one window to a main living room should receive 25% of annual probable sunlight hours, including at least 5% of annual probable sunlight hours in the winter months between 21 September and 21 March. If a room has multiple windows on the same wall or on adjacent walls, the highest value of APSH should be taken. If a room has two windows on opposite walls, the APSH due to each can be added together.

When a living room has multiple windows in the same or on adjacent walls, the highest probable sunlight value rules. If the living room has two windows on opposite walls, the probable sunlight hours due to each can be added together.

The south-facing living rooms of the proposed dwellings in Subplot O3 and O4 have been assessed. A total of 119 living rooms were assessed against the criteria set out in the BRE guide.

The results show that 92% of the rooms achieve appropriate annual APSH values. Positive results are also achieved in the winter period (93%). Living rooms facing other orientations are not analysed as they fall outside the 90° criterion. Lower sunlight values will be achieved on these windows. However, adequate sunlight access will be provided through access to a communal external space as described in the next section of this report.

Table 3. Daylight and Sunlight Assessment: Proposed buildings

Address	Total Assessed rooms	Total No. of Rooms that meet APSH criteria		Total No. of Rooms that meet WPSH criteria	
		Total No. of rooms that meet criteria	Total % of rooms that meet criteria	Total No. of rooms that meet criteria	Total % of rooms that meet criteria
S03	32	32	100%	31	97%
S04	87	78	90%	80	92%
Total	119	110	92%	111	93%

Sun-on-the-grounds

The recommendations set out in the BRE guide explain how to ensure that outdoor spaces are not permanently in shade for a large part of the year. At least 50% of the open spaces should receive 2 hours of sunlight on the equinox (21st March).

According to the BRE guidance, the availability of sunlight should be checked for all open spaces where it will be required. This would normally include:

- Gardens,
- Parks and playing fields,
- Children's playgrounds,
- Sitting out areas such as those between non-domestic buildings and in public squares, and
- Focal points of view such as a group of monuments or fountains.

The development provides an open space which has been designed to enhance the public realm in the courtyard of subplot O4 as well as providing private gardens in subplot O3.

A sunlight assessment was carried out for the proposed amenity spaces. The main amenity area is designed to be a

key space to support social interaction and cohesion. The communal area is arranged in a series of tiered amenity spaces for gardening, and relaxation.

In order to be in line with the BRE recommendations, at least 50% of its area should receive direct sunlight for two hours or more on 21 March (Spring Equinox).

The results of the analysis are in line with the results presented for the original application. Private gardens to the north of the southern elements are overshadowed by the blocks while sunnier conditions are obtained for the private gardens to the north which are less obstructed by the proposed massing. The courtyard is also partially obstructed by the southern elements but it achieves the BRE recommendations in line with the results presented in the original report.

The analysis was also carried out during summertime (21 June) when these spaces will be mostly in use. The results show that most of the spaces achieve good sunlight during this period, when these spaces are most likely to be used.

Overall, the amenity spaces achieve limited sunlight on 21 March due to the obstructions caused by the buildings, however, majority of the spaces achieve adequate sunlight on 21 June when the external specs will be used more often.

Appendix 10.2 - Sensitive receptors



Figure 1. Window numbers - 1-29 St Matthew's House



Figure 2. Window numbers - 1-29 St Matthew's House



Figure 3. Window numbers - 1-29 St Matthew's House



Figure 4. Window numbers - 1-6 Aycliffe House



Figure 5. Window numbers - 1-5 Gayhurst



Figure 6. Window numbers - 1-5 Gayhurst



Figure 7. Window numbers - 80-84 Gayhurst



Figure 8. Window numbers - 80-84 Gayhurst

Appendix 10.3 - Results of the Impact Assessment

Consented Scheme (CS) and Proposed Scenario (PS)

Table 7. Daylight and Sunlight Assessment: Impact on the surrounding buildings - 1-29 St Matthew's House

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PS. %	LOSS %	ANNUAL			WINTER		
							CS. %	PS. %	LOSS %	CS. %	PS. %	LOSS %
1-29 St Matthew's House - Residential												
Level 0	1	Bedroom	1	26.54	25.32	4.6%	37	34	8.1%	11	9	18.2%
	2	LKD	9	26.30	25.01	4.9%	53	51	3.8%	11	10	9.1%
	3	LKD	10	26.41	25.04	5.2%	53	49	7.5%	11	10	9.1%
	4	Bedroom	2	26.68	25.11	5.9%	38	36	5.3%	12	11	8.3%
	5	Bedroom	3	26.94	24.98	7.2%	38	36	5.3%	12	11	8.3%
	6	LKD	13	27.17	24.88	8.4%	55	51	7.3%	14	12	14.3%
	7	LKD	12	27.38	24.74	9.6%	55	51	7.3%	14	12	14.3%
	8	Bedroom	4	27.55	24.65	10.5%	38	36	5.3%	13	11	15.4%
	9	Bedroom	5	27.65	24.54	11.2%	41	36	12.2%	15	10	33.3%
	10	LKD	14	27.72	24.45	11.8%	55	51	7.3%	15	11	26.7%
	11	LKD	15	27.84	24.32	12.7%	58	50	13.8%	16	10	37.5%
	12	Bedroom	6	27.86	24.24	13.0%	41	35	14.6%	15	9	40.0%
	13	LKD	16	27.79	24.11	13.2%	56	49	12.5%	15	9	40.0%
	14	Bedroom	7	27.68	24.03	13.2%	40	34	15.0%	14	8	42.9%
	15	Bedroom	8	27.33	23.71	13.3%	39	30	23.1%	13	6	53.8%
	16	LKD	17	26.22	22.54	14.0%	48	40	16.7%	12	7	41.7%

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PS. %	LOSS %	ANNUAL			WINTER		
							CS. %	PS. %	LOSS %	CS. %	PS. %	LOSS %
Level 1	24	Bedroom	18	28.82	27.76	3.7%	41	38	7.3%	15	13	13.3%
	25	LKD	19	28.61	27.54	3.8%	48	47	2.1%	15	14	6.7%
	26	LKD	20	28.66	27.50	4.1%	48	48	0.0%	15	15	0.0%
	27	Bedroom	21	28.77	27.42	4.7%	41	39	4.9%	15	14	6.7%
	28	Bedroom	22	28.94	27.33	5.6%	40	39	2.5%	14	13	7.1%
	29	LKD	23	29.15	27.29	6.4%	49	44	10.2%	16	14	12.5%
	30	LKD	24	29.37	27.18	7.5%	49	44	10.2%	16	13	18.8%
	31	Bedroom	25	29.44	27.02	8.2%	42	37	11.9%	16	12	25.0%
	32	Bedroom	26	29.50	26.94	8.7%	43	39	9.3%	17	13	23.5%
	33	LKD	31	29.56	26.92	8.9%	51	45	11.8%	18	14	22.2%
	34	LKD	32	29.61	26.83	9.4%	50	45	10.0%	18	14	22.2%
	35	Bedroom	27	29.59	26.72	9.7%	43	39	9.3%	17	13	23.5%
	36	LKD	28	29.53	26.63	9.8%	42	39	7.1%	16	13	18.8%
	37	Bedroom	30	29.52	26.59	9.9%	49	46	6.1%	17	14	17.6%
	38	Bedroom	33	29.15	26.19	10.1%	41	37	9.8%	15	11	26.7%
	39	LKD	29	27.94	24.95	10.7%	42	39	7.1%	15	12	20.0%

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PS. %	LOSS %	ANNUAL			WINTER		
							CS. %	PS. %	LOSS %	CS. %	PS. %	LOSS %
Level 2	47	Bedroom	34	30.60	29.63	3.2%	43	42	2.3%	17	16	5.9%
	48	LKD	42	30.46	29.47	3.2%	60	59	1.7%	18	17	5.6%
	49	LKD	43	30.45	29.41	3.4%	59	57	3.4%	17	16	5.9%
	50	Bedroom	35	30.52	29.36	3.8%	43	41	4.7%	17	16	5.9%
	51	Bedroom	36	30.65	29.31	4.4%	45	41	8.9%	19	16	15.8%
	52	LKD	45	30.85	29.30	5.0%	60	58	3.3%	18	17	5.6%
	53	LKD	44	31.04	29.24	5.8%	60	57	5.0%	18	17	5.6%
	54	Bedroom	37	31.02	29.12	6.1%	43	41	4.7%	17	15	11.8%
	55	Bedroom	38	31.04	29.08	6.3%	45	42	6.7%	19	16	15.8%
	56	LKD	46	31.14	29.05	6.7%	63	59	6.3%	21	18	14.3%
	57	LKD	47	31.15	29.02	6.9%	62	58	6.5%	20	17	15.0%
	58	Bedroom	39	31.06	28.92	6.9%	45	41	8.9%	19	15	21.1%
	59	LKD	48	31.11	28.83	7.3%	61	57	6.6%	19	16	15.8%
	60	Bedroom	40	30.98	28.74	7.2%	44	40	9.1%	18	14	22.2%
	61	Bedroom	41	30.68	28.38	7.5%	42	39	7.1%	16	13	18.8%
	62	LKD	49	29.43	27.03	8.1%	53	49	7.5%	16	13	18.8%

Table 8. Daylight and Sunlight Assessment: Impact on the surrounding buildings - 1-5 Gayhurst

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PS. %	LOSS %	ANNUAL			WINTER		
							CS. %	PS. %	LOSS %	CS. %	PS. %	LOSS %
1-5 Gayhurst - Residential												
Level 0	95	LKD	207	30.29	29.74	1.8%	53	50	5.7%	15	13	13.3%
	95	LKD	208	30.41	29.85	1.9%						
	95	LKD	209	30.48	29.96	1.7%						
	96	Bedroom	210	30.57	30.08	1.6%	53	52	1.9%	15	14	6.7%
	96	Bedroom	211	30.60	30.14	1.5%						
	97	LKD	212	30.67	30.24	1.4%	53	53	0.0%	15	15	0.0%
	97	LKD	213	30.69	30.28	1.4%						
	97	LKD	214	30.72	30.33	1.3%						
	98	Bedroom	216	30.75	30.37	1.2%	53	53	0.0%	15	15	0.0%
	98	Bedroom	218	30.72	30.37	1.1%						

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PS. %	LOSS %	ANNUAL			WINTER		
							CS. %	PS. %	LOSS %	CS. %	PS. %	LOSS %
Level 1	99	LKD	308	17.76	17.73	0.1%	24	24	0.0%	13	13	0.0%
	99	LKD	309	17.73	17.64	0.5%						
	99	LKD	318	17.46	17.53	-0.4%						
	100	Bedroom	310	16.98	16.85	0.8%	23	23	0.0%	14	14	0.0%
	100	Bedroom	311	12.65	12.57	0.7%						
	101	LKD	312	16.04	16.04	0.0%	25	25	0.0%	14	14	0.0%
	101	LKD	313	17.83	17.84	0.0%						
	101	LKD	314	17.94	17.93	0.1%						
	102	Bedroom	315	17.34	17.29	0.3%	23	23	0.0%	14	14	0.0%
	102	Bedroom	316	13.83	13.77	0.4%						
	115	LKD	239	36.47	36.34	0.4%	5	5	0.0%	0	0	0.0%
	115	LKD	240	36.58	36.46	0.3%						
	115	LKD	241	36.69	36.58	0.3%						
	116	Bedroom	242	36.78	36.67	0.3%	4	4	0.0%	0	0	0.0%
	116	Bedroom	243	36.87	36.79	0.2%						
	117	LKD	244	36.98	36.90	0.2%	6	6	0.0%	0	0	0.0%
	117	LKD	245	37.05	36.98	0.2%						
	117	LKD	246	37.13	37.06	0.2%						
	118	Bedroom	247	37.21	37.14	0.2%	6	6	0.0%	0	0	0.0%
	118	Bedroom	248	37.26	37.20	0.2%						

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PS. %	LOSS %	ANNUAL			WINTER		
							CS. %	PS. %	LOSS %	CS. %	PS. %	LOSS %
Level 2	103	LKD	249	33.10	32.49	1.8%	54	54	0.0%	16	16	0.0%
	103	LKD	250	33.22	32.63	1.8%						
	103	LKD	251	33.26	32.77	1.5%						
	104	Bedroom	252	33.38	32.91	1.4%	56	55	1.8%	17	17	0.0%
	104	Bedroom	253	33.45	33.02	1.3%						
	105	LKD	254	33.54	33.17	1.1%	56	55	1.8%	17	17	0.0%
	105	LKD	255	33.64	33.27	1.1%						
	105	LKD	256	33.71	33.37	1.0%						
	106	Bedroom	257	33.78	33.45	1.0%	56	55	1.8%	17	17	0.0%
	106	Bedroom	258	33.82	33.53	0.8%						
	119	LKD	320	37.40	37.18	0.6%	8	8	0.0%	0	0	0.0%
	119	LKD	321	37.50	37.29	0.6%						
	119	LKD	347	37.34	37.02	0.8%						
	120	Bedroom	322	37.60	37.41	0.5%	8	8	0.0%	0	0	0.0%
	120	Bedroom	323	37.67	37.49	0.5%						
	121	LKD	324	37.75	37.61	0.4%	8	8	0.0%	0	0	0.0%
	121	LKD	325	37.80	37.67	0.3%						
	121	LKD	326	37.87	37.75	0.3%						
	122	Bedroom	327	37.90	37.81	0.2%	7	7	0.0%	0	0	0.0%
	122	Bedroom	328	37.95	37.85	0.3%						

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PS. %	LOSS %	ANNUAL			WINTER		
							CS. %	PS. %	LOSS %	CS. %	PS. %	LOSS %
Level 3	107	LKD	269	34.13	33.65	1.4%	55	55	0.0%	16	16	0.0%
	107	LKD	270	34.24	33.75	1.4%						
	107	LKD	271	34.29	33.90	1.1%						
	108	Bedroom	272	34.41	34.04	1.1%	56	56	0.0%	17	17	0.0%
	108	Bedroom	273	34.50	34.15	1.0%						
	109	LKD	274	34.61	34.31	0.9%	56	56	0.0%	17	17	0.0%
	109	LKD	275	34.73	34.43	0.9%						
	109	LKD	276	34.82	34.55	0.8%						
	110	Bedroom	277	34.90	34.63	0.8%	56	56	0.0%	17	17	0.0%
	110	Bedroom	278	34.97	34.73	0.7%						
	123	LKD	329	38.33	38.12	0.6%	8	8	0.0%	0	0	0.0%
	123	LKD	330	38.39	38.19	0.5%						
	123	LKD	348	38.30	38.01	0.8%						
	124	Bedroom	331	38.45	38.27	0.5%	8	8	0.0%	0	0	0.0%
	124	Bedroom	332	38.48	38.33	0.4%						
	125	LKD	333	38.53	38.40	0.3%	8	8	0.0%	0	0	0.0%
	125	LKD	334	38.55	38.44	0.3%						
	125	LKD	335	38.59	38.49	0.3%						
	126	Bedroom	336	38.60	38.53	0.2%	8	8	0.0%	0	0	0.0%
	126	Bedroom	337	38.63	38.55	0.2%						

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PS. %	LOSS %	ANNUAL			WINTER		
							CS. %	PS. %	LOSS %	CS. %	PS. %	LOSS %
Level 4	111	LKD	290	35.22	34.87	1.0%	56	55	1.8%	17	16	5.9%
	111	LKD	291	35.32	35.01	0.9%						
	111	LKD	319	35.12	34.76	1.0%						
	112	Bedroom	292	35.44	35.09	1.0%	57	56	1.8%	18	17	5.6%
	112	Bedroom	293	35.51	35.21	0.8%						
	113	LKD	294	35.65	35.33	0.9%	57	56	1.8%	18	17	5.6%
	113	LKD	295	35.73	35.42	0.9%						
	113	LKD	296	35.80	35.54	0.7%						
	114	Bedroom	297	35.87	35.61	0.7%	57	57	0.0%	18	18	0.0%
	114	Bedroom	298	35.98	35.71	0.7%						
	127	LKD	338	38.91	38.72	0.5%	8	8	0.0%	0	0	0.0%
	127	LKD	339	38.94	38.78	0.4%						
	127	LKD	349	38.88	38.65	0.6%						
	128	Bedroom	340	38.97	38.83	0.4%	8	8	0.0%	0	0	0.0%
	128	Bedroom	341	38.99	38.86	0.3%						
	129	LKD	342	39.02	38.91	0.3%	8	8	0.0%	0	0	0.0%
	129	LKD	343	39.03	38.93	0.2%						
	129	LKD	344	39.05	38.97	0.2%						
	130	Bedroom	345	39.06	38.99	0.2%	8	8	0.0%	0	0	0.0%
	130	Bedroom	346	39.08	39.01	0.2%						

Table 9. Daylight and Sunlight Assessment: Impact on the surrounding buildings - 1-29 St Matthew's House

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PS. %	LOSS %	ANNUAL			WINTER		
							CS. %	PS. %	LOSS %	CS. %	PS. %	LOSS %
1-29 St Matthew's House - Residential												
Level 0	17	LKD	64	24.86	21.21	14.7%	49	39	20.4%	13	6	53.8%
	18	Bedroom	50	26.70	22.79	14.6%	43	38	11.6%	11	7	36.4%
	19	Bedroom	51	26.22	22.39	14.6%	47	37	21.3%	17	9	47.1%
	20	LKD	72	22.48	19.02	15.4%	45	39	13.3%	13	9	30.8%
Level 1	70	LKD	66	26.65	23.73	11.0%	50	44	12.0%	14	9	35.7%
	71	Bedroom	52	28.88	25.69	11.0%	48	41	14.6%	15	9	40.0%
	72	Bedroom	53	28.53	25.41	10.9%	50	43	14.0%	17	11	35.3%
	73	LKD	73	24.73	21.91	11.4%	47	44	6.4%	14	12	14.3%
Level 2	74	LKD	83	28.11	25.89	7.9%	53	50	5.7%	16	13	18.8%
	75	Bedroom	54	30.81	28.40	7.8%	49	45	8.2%	16	12	25.0%
	80	Bedroom	55	30.64	28.25	7.8%	52	47	9.6%	19	14	26.3%
	81	LKD	74	26.93	24.77	8.0%	52	49	5.8%	18	15	16.7%
Level 3	82	LKD	68	29.67	27.90	6.0%	53	52	1.9%	17	16	5.9%
	83	Bedroom	56	32.47	30.53	6.0%	51	49	3.9%	18	16	11.1%
	84	Bedroom	57	32.41	30.46	6.0%	52	49	5.8%	19	16	15.8%
	85	LKD	75	28.58	26.77	6.3%	52	50	3.8%	18	16	11.1%
Level 4	86	LKD	69	31.07	29.45	5.2%	55	53	3.6%	19	17	10.5%
	87	Bedroom	58	33.94	32.16	5.3%	53	50	5.7%	20	17	15.0%
	88	Bedroom	59	33.92	32.13	5.3%	52	52	0.0%	19	19	0.0%
	90	LKD	76	30.15	28.47	5.6%	53	51	3.8%	19	17	10.5%
Level 5	91	LKD	70	33.08	31.66	4.3%	59	58	1.7%	21	20	4.8%
	92	Bedroom	60	35.21	33.66	4.4%	56	53	5.4%	23	20	13.0%
	93	Bedroom	61	35.23	33.66	4.4%	55	53	3.6%	22	20	9.1%
	94	LKD	77	32.47	31.01	4.5%	57	56	1.8%	20	19	5.0%

Table 10. Daylight and Sunlight Assessment: Impact on the surrounding buildings - 1-6 Aycliffe House

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PS. %	LOSS %	ANNUAL			WINTER		
							CS. %	PS. %	LOSS %	CS. %	PS. %	LOSS %
1-6 Aycliffe House - Residential												
Level 0	21	LKD	104	24.30	19.78	18.6%	37	30	18.9%	11	7	36.4%
	21	LKD	105	24.51	20.08	18.1%						
	22	Bedroom	110	28.38	26.70	5.9%	32	29	9.4%	4	4	0.0%
	23	Bedroom	111	29.43	28.05	4.7%	32	30	6.3%	4	4	0.0%
Level 1	44	LKD	106	26.46	22.52	14.9%	39	32	17.9%	13	7	46.2%
	44	LKD	107	26.64	22.79	14.4%						
	45	Bedroom	112	30.28	28.62	5.5%	33	32	3.0%	4	4	0.0%
	46	Bedroom	113	31.23	29.93	4.2%	34	32	5.9%	5	4	20.0%
Level 2	67	LKD	93	28.29	25.21	10.9%	43	35	18.6%	15	9	40.0%
	67	LKD	103	28.42	25.47	10.4%						
	68	Bedroom	108	32.07	30.62	4.5%	36	33	8.3%	6	4	33.3%
	69	Bedroom	109	32.86	31.77	3.3%	36	34	5.6%	6	4	33.3%

Table 11. Daylight and Sunlight Assessment: Impact on the surrounding buildings - 80-84 Gayhurst

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PS. %	LOSS %	ANNUAL			WINTER		
							CS. %	PS. %	LOSS %	CS. %	PS. %	LOSS %
80-84 Gayhurst - Residential												
Level 0	131	LKD	114	30.05	29.20	2.8%	0	0	0.0%	0	0	0.0%
	131	LKD	129	30.20	29.37	2.8%						
	131	LKD	130	30.35	29.55	2.7%						
	132	Bedroom	131	30.52	29.71	2.6%	0	0	0.0%	0	0	0.0%
	132	Bedroom	132	30.66	29.85	2.6%						
	133	LKD	133	30.80	30.02	2.5%	1	1	0.0%	0	0	0.0%
	133	LKD	134	30.92	30.16	2.5%						
	133	LKD	135	31.03	30.26	2.5%						
	134	Bedroom	136	31.14	30.37	2.5%	2	1	50.0%	0	0	0.0%
	134	Bedroom	137	31.24	30.49	2.4%						
	135	LKD	158	35.81	35.81	0.0%	34	34	0.0%	17	17	0.0%
	135	LKD	159	35.81	35.81	0.0%						
	135	LKD	160	35.81	35.81	0.0%						
	136	Bedroom	161	35.81	35.81	0.0%	34	34	0.0%	17	17	0.0%
	136	Bedroom	162	35.81	35.81	0.0%						
	137	LKD	163	35.81	35.81	0.0%	34	34	0.0%	17	17	0.0%
	137	LKD	164	35.81	35.81	0.0%						
	137	LKD	165	35.81	35.81	0.0%						
	138	Bedroom	166	35.81	35.81	0.0%	34	34	0.0%	17	17	0.0%
	138	Bedroom	167	35.81	35.81	0.0%						

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PS. %	LOSS %	ANNUAL			WINTER		
							CS. %	PS. %	LOSS %	CS. %	PS. %	LOSS %
Level 1	139	LKD	168	35.81	35.81	0.0%	34	34	0.0%	17	17	0.0%
	139	LKD	169	35.81	35.81	0.0%						
	139	LKD	170	35.81	35.81	0.0%						
	140	Bedroom	171	35.81	35.81	0.0%	34	34	0.0%	17	17	0.0%
	140	Bedroom	172	35.81	35.81	0.0%						
	141	LKD	173	35.81	35.81	0.0%	34	34	0.0%	17	17	0.0%
	141	LKD	174	35.81	35.81	0.0%						
	141	LKD	175	35.81	35.81	0.0%						
	142	Bedroom	176	35.81	35.81	0.0%	34	34	0.0%	17	17	0.0%
	142	Bedroom	177	35.81	35.81	0.0%						
Level 2	143	LKD	189	35.81	35.81	0.0%	34	34	0.0%	17	17	0.0%
	143	LKD	190	35.81	35.81	0.0%						
	143	LKD	351	35.81	35.81	0.0%						
	144	Bedroom	191	35.81	35.81	0.0%	34	34	0.0%	17	17	0.0%
	144	Bedroom	192	35.81	35.81	0.0%						
	145	LKD	193	35.81	35.81	0.0%	34	34	0.0%	17	17	0.0%
	145	LKD	194	35.81	35.81	0.0%						
	145	LKD	195	35.81	35.81	0.0%						
	146	Bedroom	196	35.81	35.81	0.0%	34	34	0.0%	17	17	0.0%
	146	Bedroom	197	35.81	35.81	0.0%						
	147	LKD	138	32.92	32.08	2.5%	2	1	50.0%	0	0	0.0%
	147	LKD	139	33.08	32.26	2.5%						
	147	LKD	140	33.25	32.45	2.4%						
	148	Bedroom	141	33.42	32.63	2.4%	2	2	0.0%	0	0	0.0%
	148	Bedroom	142	33.57	32.78	2.4%						

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PS. %	LOSS %	ANNUAL			WINTER		
							CS. %	PS. %	LOSS %	CS. %	PS. %	LOSS %
	149	LKD	143	33.74	32.97	2.3%	2	1	50.0%	0	0	0.0%
	149	LKD	144	33.87	33.12	2.2%						
	149	LKD	145	34.01	33.25	2.2%						
	150	Bedroom	146	34.13	33.39	2.2%	3	1	66.7%	0	0	0.0%
	150	Bedroom	147	34.25	33.52	2.1%						
Level 3	151	LKD	148	34.19	33.38	2.4%	2	1	50.0%	0	0	0.0%
	151	LKD	149	34.34	33.55	2.3%						
	151	LKD	150	34.50	33.74	2.2%						
	152	Bedroom	151	34.67	33.90	2.2%	2	2	0.0%	0	0	0.0%
	152	Bedroom	152	34.82	34.05	2.2%						
	153	LKD	153	34.98	34.23	2.1%	2	1	50.0%	0	0	0.0%
	153	LKD	154	35.11	34.38	2.1%						
	153	LKD	155	35.23	34.50	2.1%						
	154	Bedroom	156	35.36	34.64	2.0%	3	1	66.7%	0	0	0.0%
	154	Bedroom	157	35.47	34.77	2.0%						
	155	LKD	198	35.81	35.81	0.0%	34	34	0.0%	17	17	0.0%
	155	LKD	199	35.81	35.81	0.0%						
	155	LKD	352	35.81	35.81	0.0%						
	156	Bedroom	200	35.81	35.81	0.0%	34	34	0.0%	17	17	0.0%
	156	Bedroom	201	35.81	35.81	0.0%						
	157	LKD	202	35.81	35.81	0.0%	34	34	0.0%	17	17	0.0%
	157	LKD	203	35.81	35.81	0.0%						
	157	LKD	204	35.81	35.81	0.0%						
	158	Bedroom	205	35.81	35.81	0.0%	34	34	0.0%	17	17	0.0%
	158	Bedroom	206	35.81	35.81	0.0%						

Sun on the ground - Existing Scheme

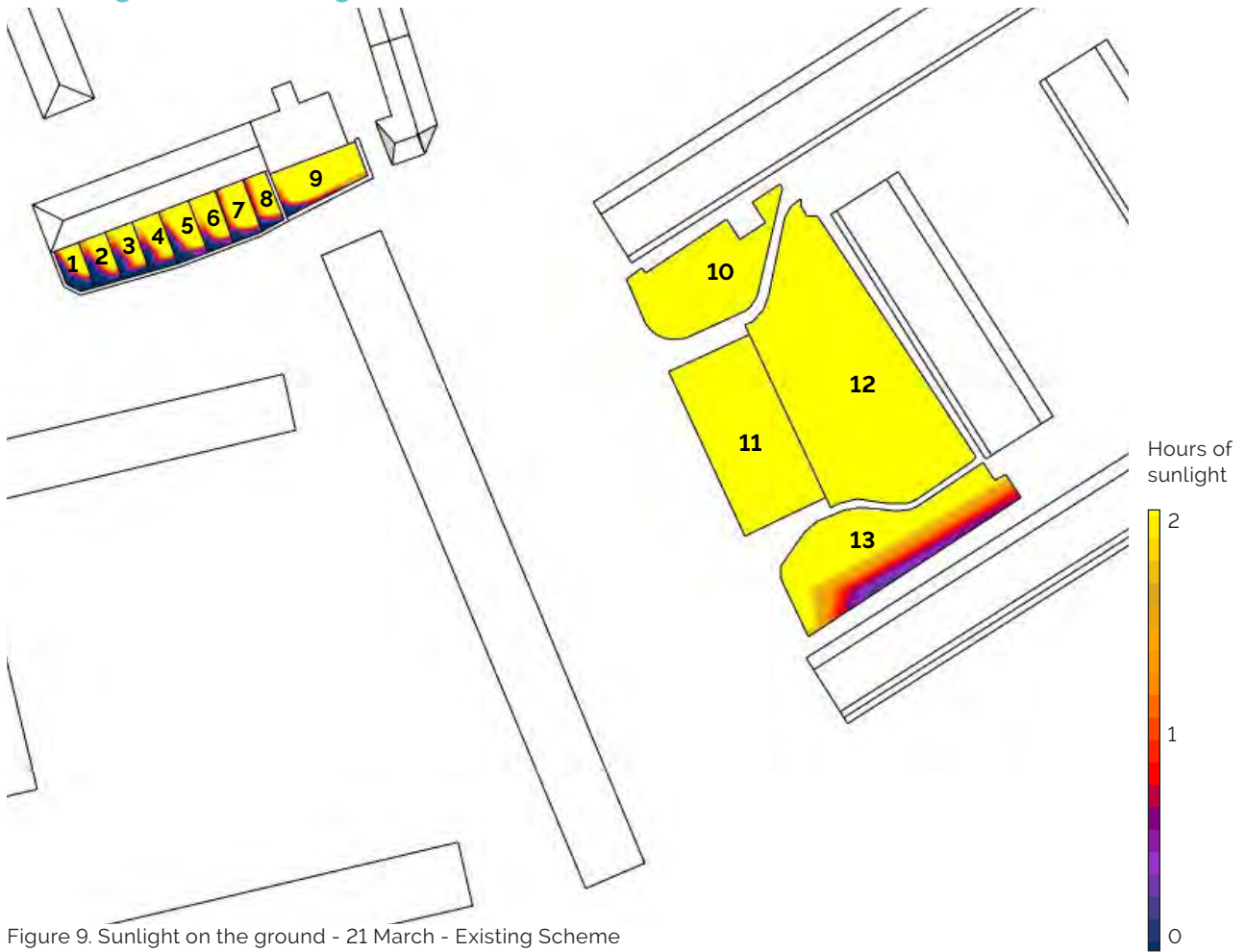


Figure 9. Sunlight on the ground - 21 March - Existing Scheme

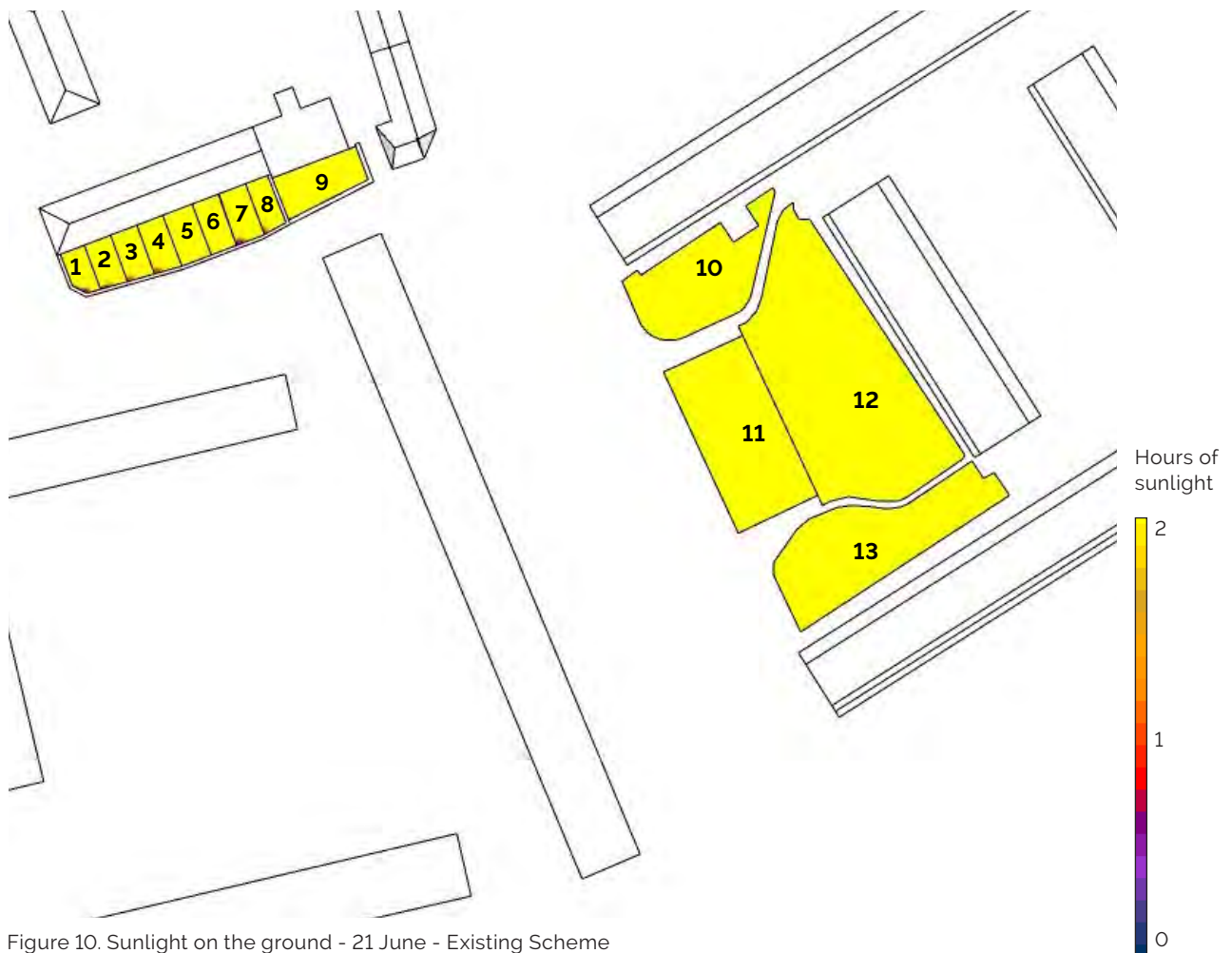


Figure 10. Sunlight on the ground - 21 June - Existing Scheme

Table 12. Existing Scheme

Amenity	Area	Sun on the ground		
		21 March % of area	Meet BRE Criteria	21 June % of area
1	33.28	41.94	No	90.32
2	35.7	37.5	No	93.75
3	38.7	50	Yes	97.22
4	36.15	52.78	Yes	97.22
5	40	55.56	Yes	100
6	39.81	58.33	Yes	100
7	49.22	48.89	No	93.33
8	44.44	38.89	No	97.22
9	29.48	78.22	Yes	100
10	32.32	100	Yes	100
11	31.64	100	Yes	100
12	30.72	100	Yes	100
13	31.59	51.18	Yes	100

Sun on the ground - Consented Scheme

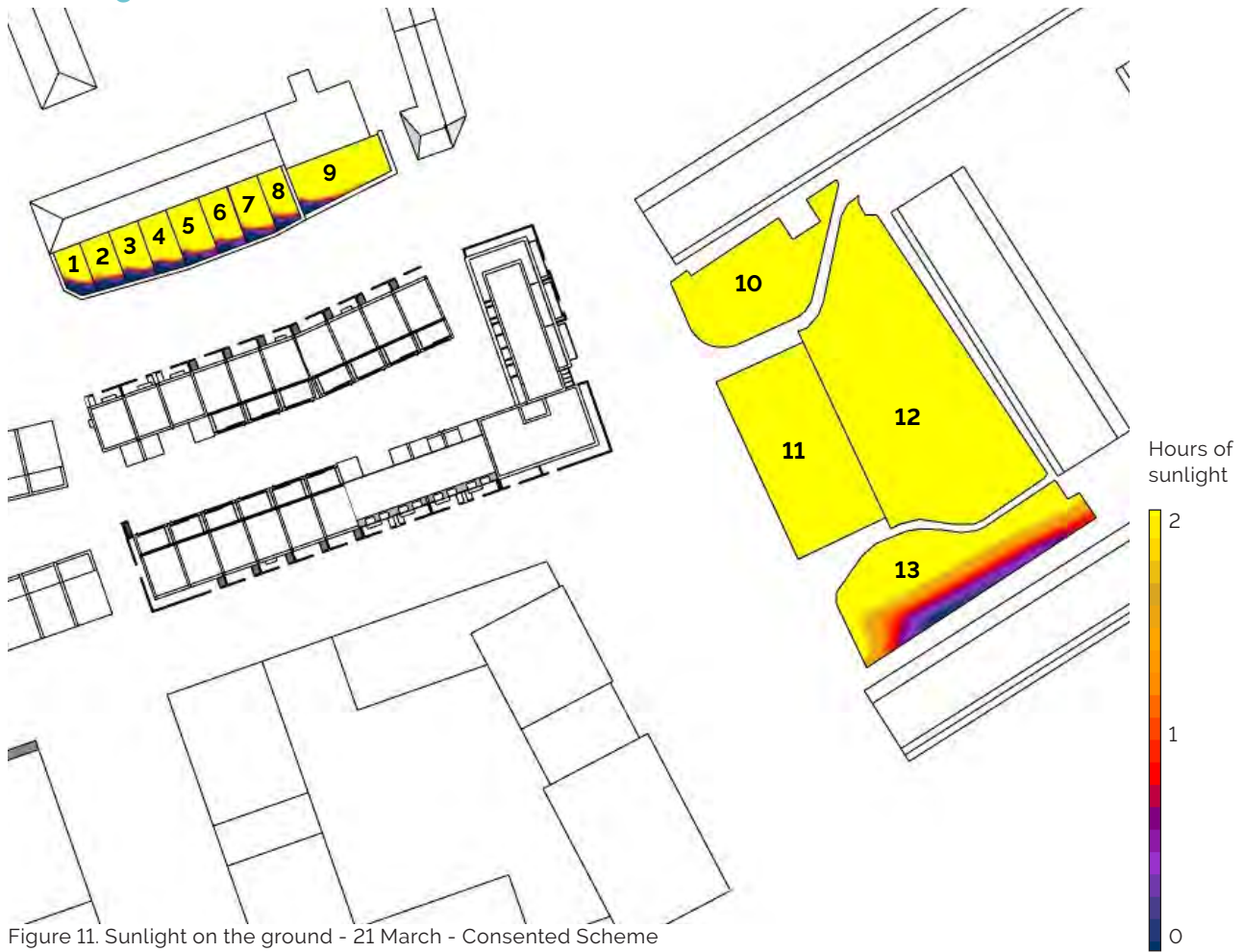


Figure 11. Sunlight on the ground - 21 March - Consented Scheme

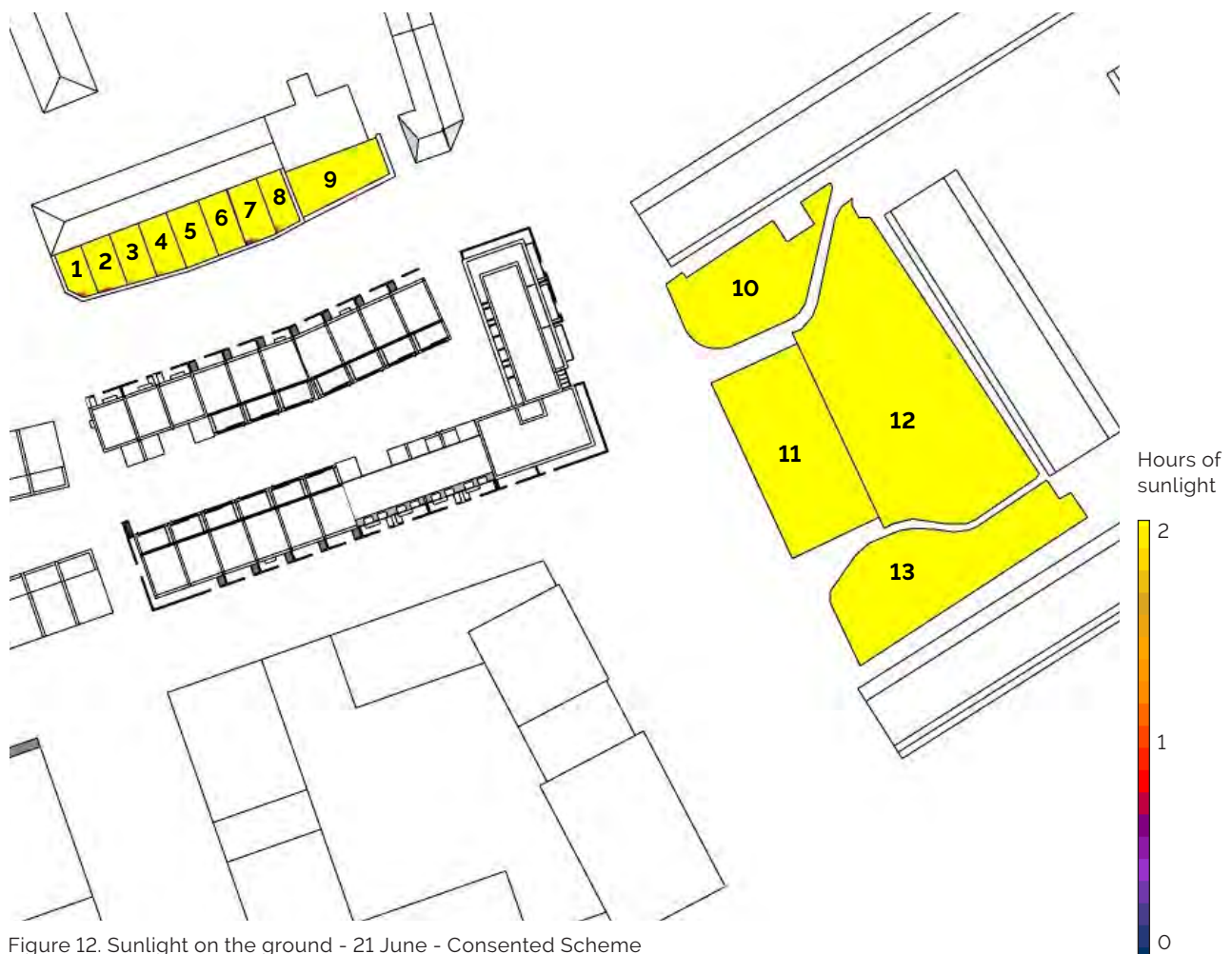


Figure 12. Sunlight on the ground - 21 June - Consented Scheme

Sun on the ground - Proposed Scenario

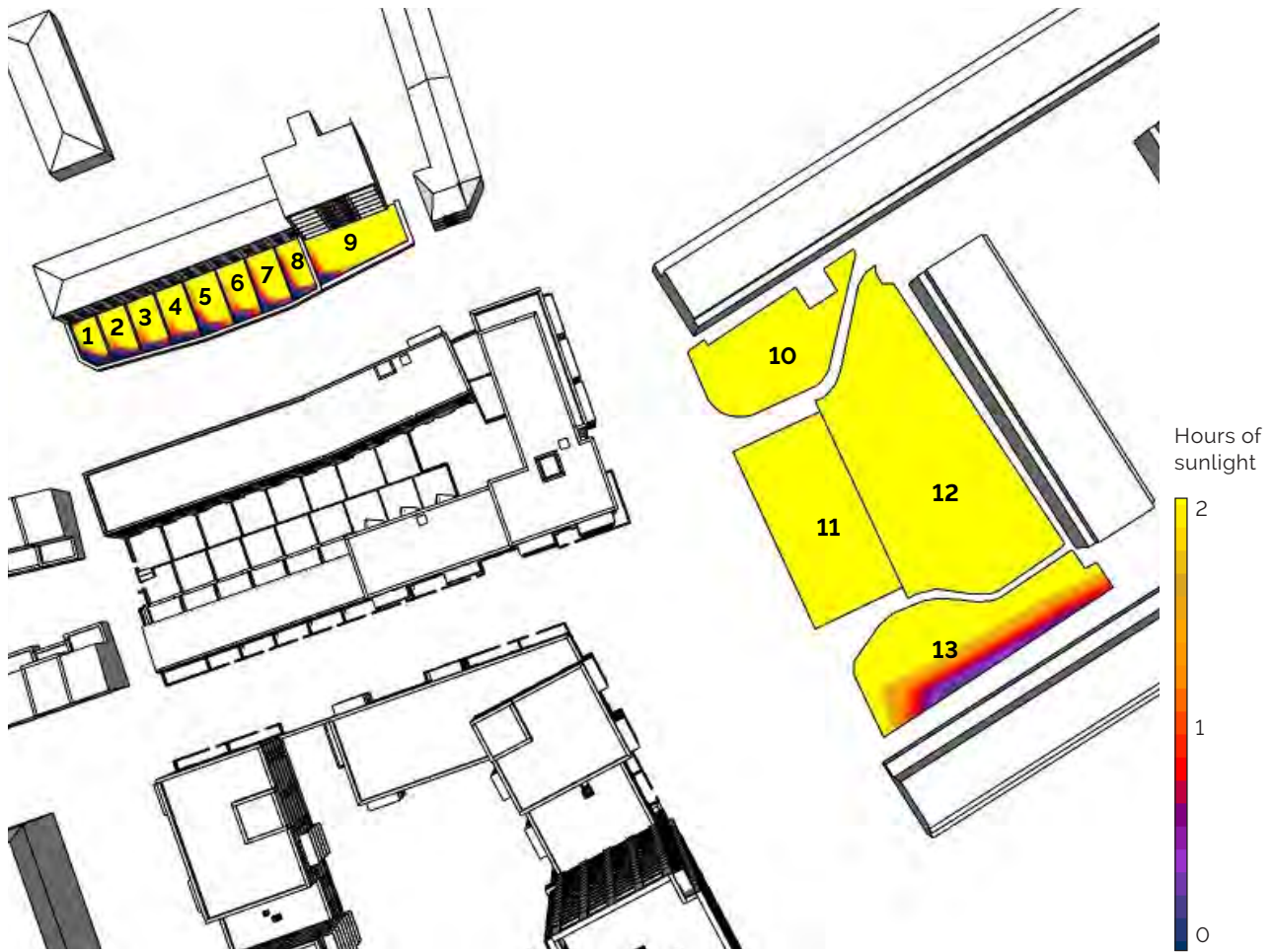


Figure 13. Sunlight on the ground - 21 March - Proposed Scenario

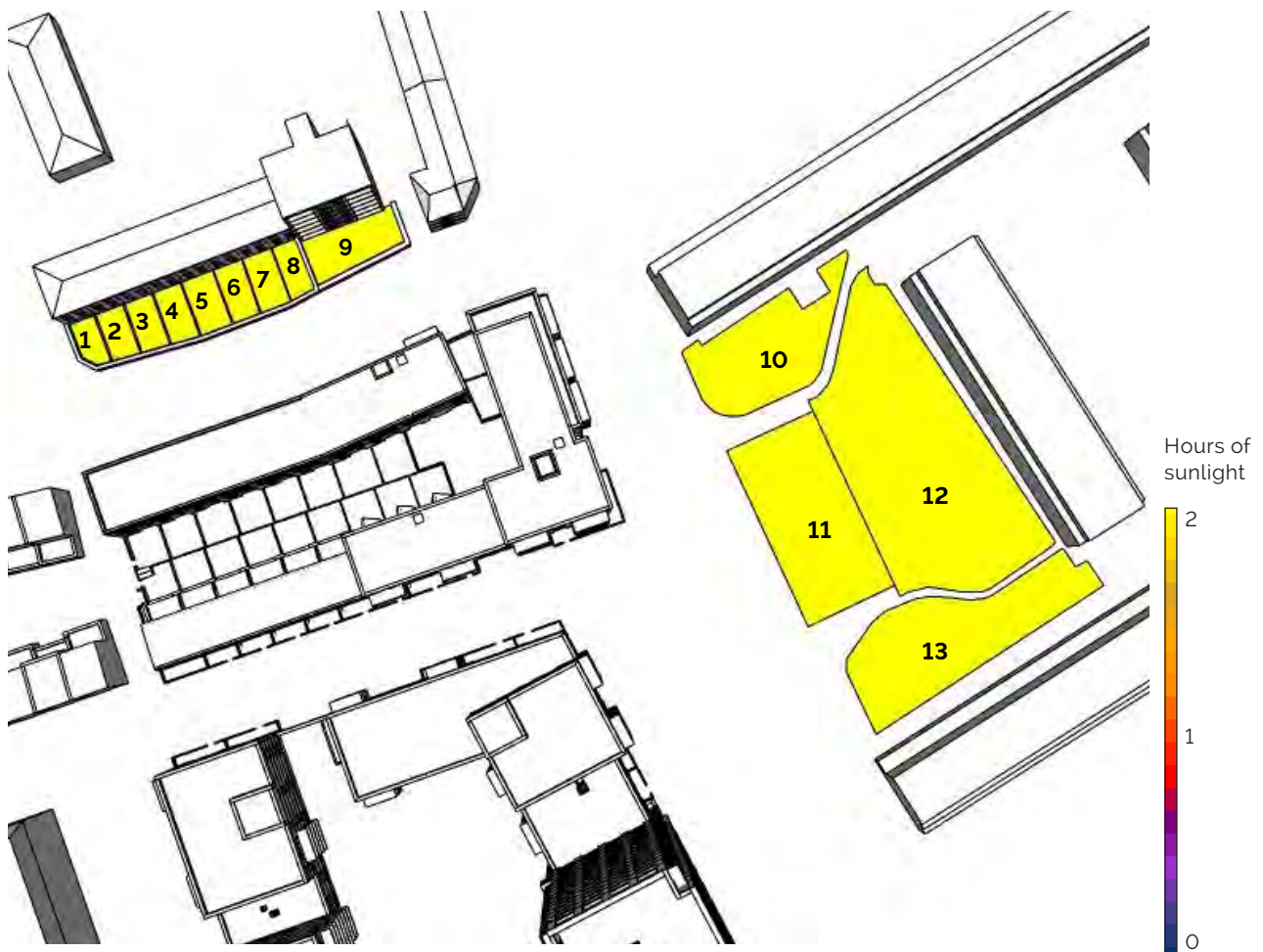


Figure 14. Sunlight on the ground - 21 June - Proposed Scenario

Table 13. 21 March

Amenity	Area	Sun on the ground							
		CS. % of area	PS. % of area	LOSS (sqm)	LOSS %	Negligible	Minor	Moderate	Major
21 March									
1	33.68	67.74	50	5.97	26%	YES			
2	41.3	71.88	68.75	1.29	4%	YES			
3	43.41	77.78	66.67	4.82	14%	YES			
4	45.36	80.56	69.44	5.04	14%	YES			
5	52.2	82.22	66.67	8.12	19%	YES			
6	45.61	83.33	69.44	6.34	17%	YES			
7	48.66	68.89	55.56	6.49	19%	YES			
8	38.22	66.67	52.78	5.31	21%	YES			
9	109.23	86.14	83.17	3.24	3%	YES			
10	328.65	100	100	0.00	0%	YES			
11	473.03	100	100	0.00	0%	YES			
12	1041.89	100	100	0.00	0%	YES			
13	483.42	47.31	52.04	-22.87	-10%	YES			

Table 14. 21 June

Amenity	Area	Sun on the ground			
		CS. (% of area)	PS. (% of area)	LOSS (sqm)	LOSS (%)
21 June					
1	33.68	93.55	871	2.17	7%
2	41.3	93.75	96.88	-1.29	-3%
3	43.41	97.22	88.89	3.62	9%
4	45.36	97.22	100	-1.26	-3%
5	52.2	100	100	0.00	0%
6	45.61	100	100	0.00	0%
7	48.66	93.33	97.78	-2.17	-5%
8	38.22	97.22	100	-1.06	-3%
9	109.23	100	100	0.00	0%
10	328.65	100	100	0.00	0%
11	473.03	100	100	0.00	0%
12	1041.89	100	100	0.00	0%
13	483.42	100	100	0.00	0%

Appendix 10.4 - Results of the Impact Assessment (Cumulative scenario)

Consented Scheme (CS.) and Proposed Scenario with Cumulative Scheme (PC.)

Table 15. Daylight and Sunlight Assessment: Impact on the surrounding buildings - 1-29 St Matthew's House

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PC. %	LOSS %	ANNUAL			WINTER		
							CS. %	PC. %	LOSS %	CS. %	PC. %	LOSS %
1-29 St Matthew's House - Residential												
Level 0	1	Bedroom	1	26.54	25.00	5.8%	37	34	8.1%	11	9	18.2%
	2	LKD	9	26.30	24.70	6.1%	53	51	3.8%	11	10	9.1%
	3	LKD	10	26.41	24.72	6.4%	53	49	7.5%	11	10	9.1%
	4	Bedroom	2	26.68	24.74	7.3%	38	36	5.3%	12	11	8.3%
	5	Bedroom	3	26.94	24.61	8.6%	38	36	5.3%	12	11	8.3%
	6	LKD	13	27.17	24.51	9.8%	55	50	9.1%	14	12	14.3%
	7	LKD	12	27.38	24.36	11.0%	55	50	9.1%	14	12	14.3%
	8	Bedroom	4	27.55	24.23	12.1%	38	35	7.9%	13	11	15.4%
	9	Bedroom	5	27.65	24.13	12.7%	41	35	14.6%	15	10	33.3%
	10	LKD	14	27.72	24.04	13.3%	55	50	9.1%	15	11	26.7%
	11	LKD	15	27.84	23.90	14.2%	58	49	15.5%	16	10	37.5%
	12	Bedroom	6	27.86	23.80	14.6%	41	33	19.5%	15	8	46.7%
	13	LKD	16	27.79	23.69	14.7%	56	48	14.3%	15	9	40.0%
	14	Bedroom	7	27.68	23.60	14.8%	40	32	20.0%	14	7	50.0%
	15	Bedroom	8	27.33	23.30	14.7%	39	30	23.1%	13	6	53.8%
	16	LKD	17	26.22	22.21	15.3%	48	40	16.7%	12	7	41.7%

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PC. %	LOSS %	ANNUAL			WINTER		
							CS. %	PC. %	LOSS %	CS. %	PC. %	LOSS %
Level 1	24	Bedroom	18	28.82	27.22	5.6%	41	38	7.3%	15	13	13.3%
	25	LKD	19	28.61	27.00	5.7%	48	47	2.1%	15	14	6.7%
	26	LKD	20	28.66	26.92	6.1%	48	48	0.0%	15	15	0.0%
	27	Bedroom	21	28.77	26.83	6.7%	41	39	4.9%	15	14	6.7%
	28	Bedroom	22	28.94	26.72	7.7%	40	39	2.5%	14	13	7.1%
	29	LKD	23	29.15	26.66	8.5%	49	44	10.2%	16	14	12.5%
	30	LKD	24	29.37	26.53	9.7%	49	43	12.2%	16	13	18.8%
	31	Bedroom	25	29.44	26.35	10.5%	42	36	14.3%	16	12	25.0%
	32	Bedroom	26	29.50	26.27	10.9%	43	38	11.6%	17	13	23.5%
	33	LKD	31	29.56	26.23	11.3%	51	44	13.7%	18	14	22.2%
	34	LKD	32	29.61	26.13	11.8%	50	43	14.0%	18	13	27.8%
	35	Bedroom	27	29.59	26.01	12.1%	43	37	14.0%	17	12	29.4%
	36	LKD	28	29.53	25.93	12.2%	42	47	-11.9%	16	12	25.0%
	37	Bedroom	30	29.52	25.88	12.3%	49	44	10.2%	17	13	23.5%
	38	Bedroom	33	29.15	25.52	12.4%	41	36	12.2%	15	10	33.3%
	39	LKD	29	27.94	24.34	12.9%	42	38	9.5%	15	11	26.7%

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PC. %	LOSS %	ANNUAL			WINTER		
							CS. %	PC. %	LOSS %	CS. %	PC. %	LOSS %
Level 2	47	Bedroom	34	30.60	28.93	5.4%	43	41	4.7%	17	15	11.8%
	48	LKD	42	30.46	28.77	5.5%	60	58	3.3%	18	16	11.1%
	49	LKD	43	30.45	28.68	5.8%	59	56	5.1%	17	15	11.8%
	50	Bedroom	35	30.52	28.59	6.3%	43	41	4.7%	17	16	5.9%
	51	Bedroom	36	30.65	28.52	6.9%	45	41	8.9%	19	16	15.8%
	52	LKD	45	30.85	28.51	7.6%	60	58	3.3%	18	17	5.6%
	53	LKD	44	31.04	28.43	8.4%	60	57	5.0%	18	17	5.6%
	54	Bedroom	37	31.02	28.28	8.8%	43	41	4.7%	17	15	11.8%
	55	Bedroom	38	31.04	28.24	9.0%	45	42	6.7%	19	16	15.8%
	56	LKD	46	31.14	28.21	9.4%	63	59	6.3%	21	18	14.3%
	57	LKD	47	31.15	28.17	9.6%	62	58	6.5%	20	17	15.0%
	58	Bedroom	39	31.06	28.05	9.7%	45	40	11.1%	19	14	26.3%
	59	LKD	48	31.11	27.97	10.1%	61	56	8.2%	19	15	21.1%
	60	Bedroom	40	30.98	27.87	10.0%	44	39	11.4%	18	13	27.8%
	61	Bedroom	41	30.68	27.51	10.3%	42	38	9.5%	16	12	25.0%
	62	LKD	49	29.43	26.25	10.8%	53	48	9.4%	16	12	25.0%

Table 16. Daylight and Sunlight Assessment: Impact on the surrounding buildings - 1-29 St Matthew's House

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PC. %	LOSS %	ANNUAL			WINTER		
							CS. %	PC. %	LOSS %	CS. %	PC. %	LOSS %
1-29 St Matthew's House - Residential												
Level 0	17	LKD	64	24.86	20.94	15.7%	49	39	20.4%	13	6	53.8%
	18	Bedroom	50	26.70	22.64	15.2%	43	38	11.6%	11	7	36.4%
	19	Bedroom	51	26.22	22.23	15.2%	47	37	21.3%	17	9	47.1%
	20	LKD	72	22.48	18.77	16.5%	45	38	15.6%	13	8	38.5%
Level 1	70	LKD	66	26.65	23.23	12.8%	50	44	12.0%	14	9	35.7%
	71	Bedroom	52	28.88	25.35	12.2%	48	41	14.6%	15	9	40.0%
	72	Bedroom	53	28.53	25.17	11.8%	50	43	14.0%	17	11	35.3%
	73	LKD	73	24.73	21.68	12.3%	47	43	8.5%	14	11	21.4%
Level 2	74	LKD	83	28.11	25.14	10.6%	53	48	9.4%	16	11	31.3%
	75	Bedroom	54	30.81	27.75	9.9%	49	45	8.2%	16	12	25.0%
	80	Bedroom	55	30.64	27.70	9.6%	52	47	9.6%	19	14	26.3%
	81	LKD	74	26.93	24.27	9.9%	52	48	7.7%	18	14	22.2%
Level 3	82	LKD	68	29.67	26.89	9.4%	53	50	5.7%	17	14	17.6%
	83	Bedroom	56	32.47	29.51	9.1%	51	47	7.8%	18	14	22.2%
	84	Bedroom	57	32.41	29.48	9.0%	52	48	7.7%	19	15	21.1%
	85	LKD	75	28.58	25.83	9.6%	52	49	5.8%	18	15	16.7%
Level 4	86	LKD	69	31.07	28.19	9.3%	55	51	7.3%	19	15	21.1%
	87	Bedroom	58	33.94	30.82	9.2%	53	48	9.4%	20	15	25.0%
	88	Bedroom	59	33.92	30.79	9.2%	52	50	3.8%	19	17	10.5%
	90	LKD	76	30.15	27.16	9.9%	53	49	7.5%	19	15	21.1%
Level 5	91	LKD	70	33.08	30.21	8.7%	59	56	5.1%	21	18	14.3%
	92	Bedroom	60	35.21	32.06	8.9%	56	51	8.9%	23	18	21.7%
	93	Bedroom	61	35.23	32.04	9.1%	55	51	7.3%	22	18	18.2%
	94	LKD	77	32.47	29.43	9.4%	57	53	7.0%	20	16	20.0%

Table 17. Daylight and Sunlight Assessment: Impact on the surrounding buildings - 1-6 Aycliffe House

Floor	Room	Room Use	Window	VSC (WINDOW)			APSH (ROOM)					
				CS. %	PC. %	LOSS %	ANNUAL			WINTER		
							CS. %	PC. %	LOSS %	CS. %	PC. %	LOSS %
1-6 Aycliffe House - Residential												
Level 0	21	LKD	104	24.30	19.45	20.0%	37	29	21.6%	11	6	45.5%
	21	LKD	105	24.51	19.64	19.9%						
	22	Bedroom	110	28.38	25.14	11.4%	32	25	21.9%	4	3	25.0%
	23	Bedroom	111	29.43	26.01	11.6%	32	26	18.8%	4	3	25.0%
Level 1	44	LKD	106	26.46	22.08	16.5%	39	31	20.5%	13	6	53.8%
	44	LKD	107	26.64	22.24	16.5%						
	45	Bedroom	112	30.28	26.68	11.9%	33	29	12.1%	4	3	25.0%
	46	Bedroom	113	31.23	27.52	11.9%	34	30	11.8%	5	4	20.0%
Level 2	67	LKD	93	28.29	24.60	13.0%	43	34	20.9%	15	8	46.7%
	67	LKD	103	28.42	24.75	12.9%						
	68	Bedroom	108	32.07	28.21	12.0%	36	30	16.7%	6	4	33.3%
	69	Bedroom	109	32.86	28.94	11.9%	36	32	11.1%	6	4	33.3%

Sun on the ground - Proposed Scenario + Cumulative Scheme

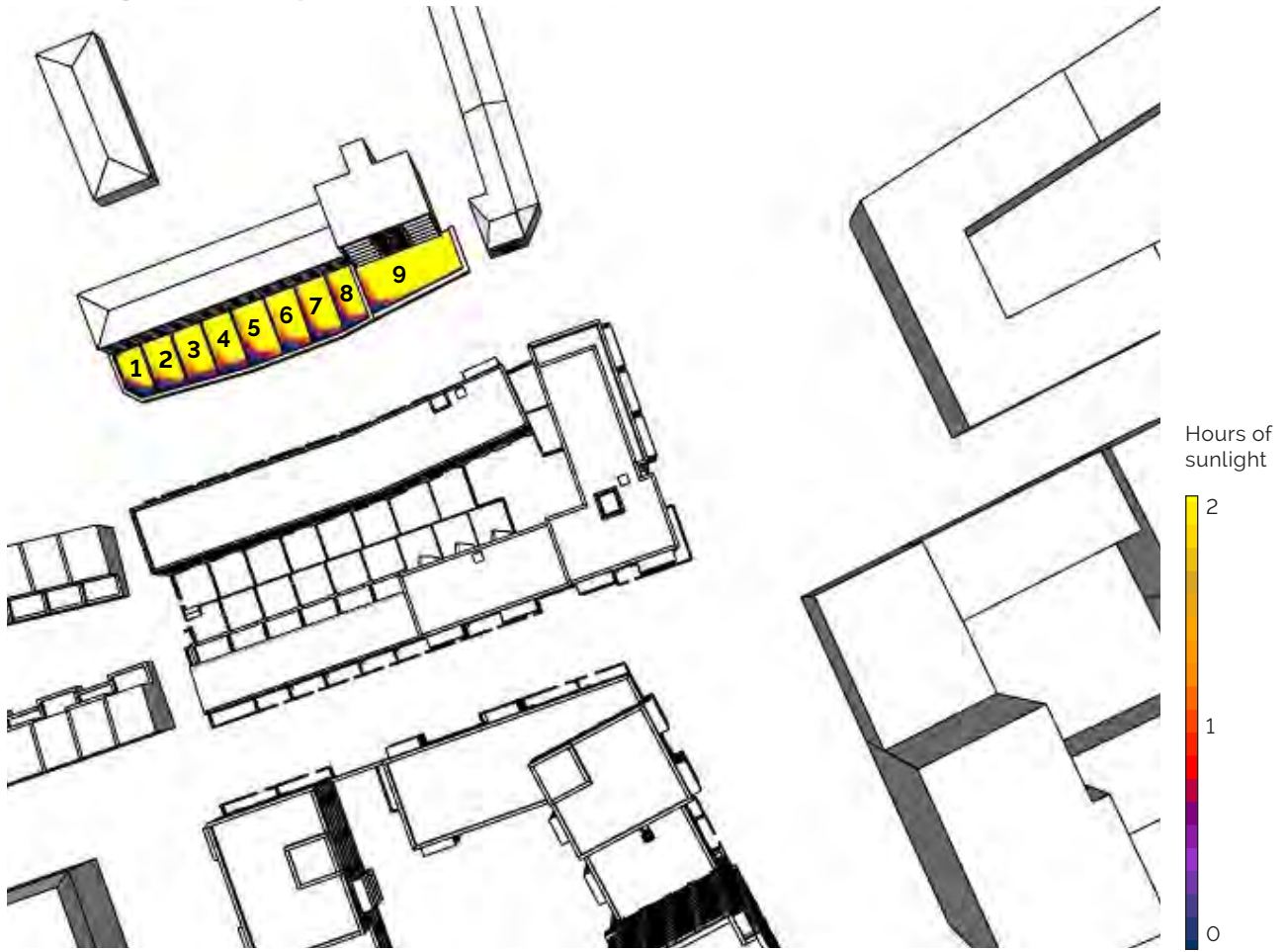


Figure 15. Sunlight on the ground - 21 March - Proposed Scenario + Cumulative Scheme

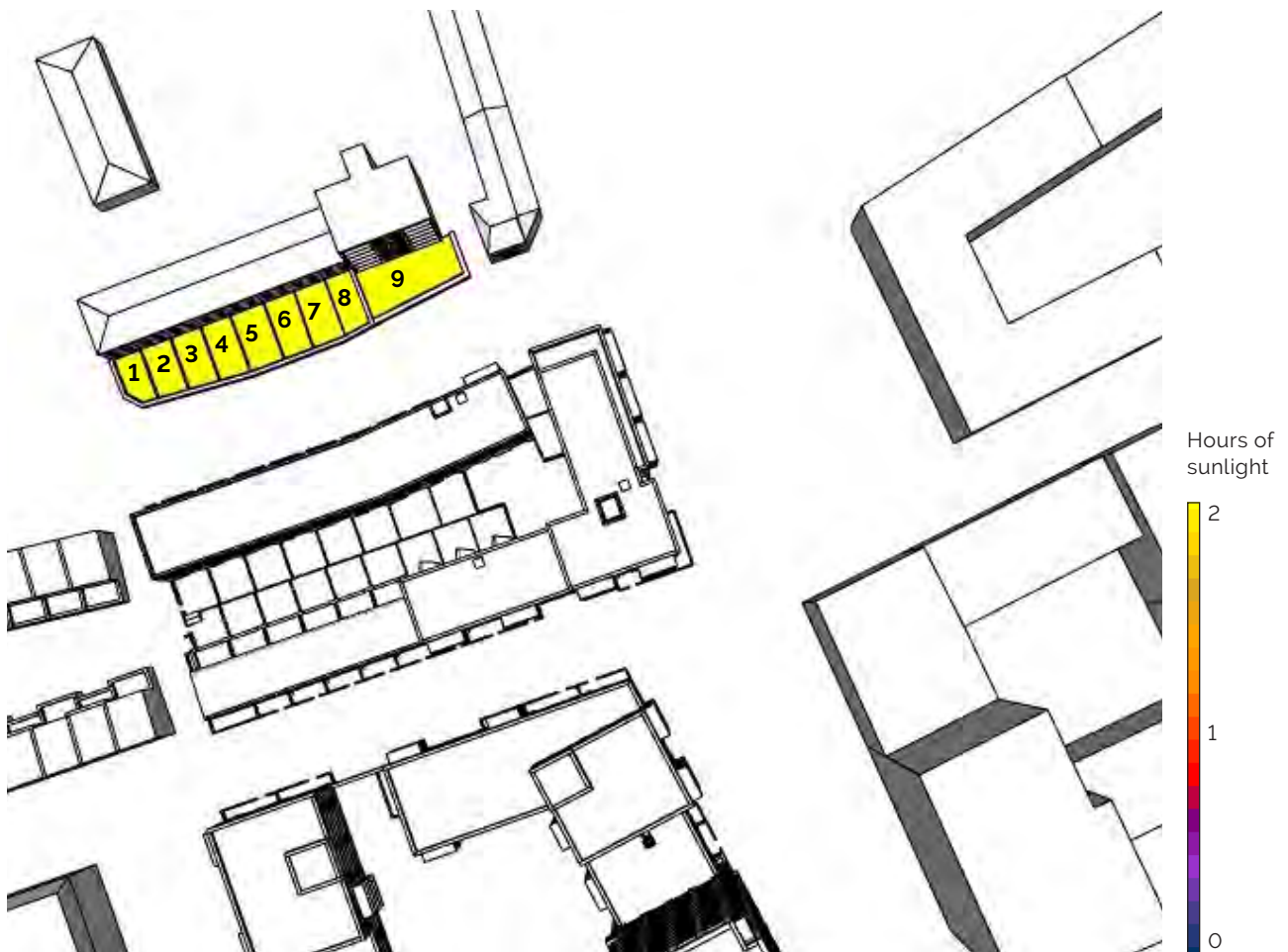


Figure 16. Sunlight on the ground - 21 June - Proposed Scenario + Cumulative Scheme

Table 18. 21 March

		Sun on the ground							
Amenity	Area	CS. % of area	PC. % of area	LOSS (sqm)	LOSS %	Negligible	Minor	Moderate	Major
21 March									
1	33.68	67.74	50	5.97	26%	YES			
2	41.3	71.88	68.75	1.29	4%	YES			
3	43.41	77.78	66.67	4.82	14%	YES			
4	45.36	80.56	69.44	5.04	14%	YES			
5	52.2	82.22	66.67	8.12	19%	YES			
6	45.61	83.33	69.44	6.34	17%	YES			
7	48.66	68.89	55.56	6.49	19%	YES			
8	38.22	66.67	52.78	5.31	21%	YES			
9	109.23	86.14	83.17	3.24	3%	YES			

Table 19. 21 June

		Sun on the ground			
Amenity	Area	CS. (% of area)	PC. (% of area)	LOSS (sqm)	LOSS (%)
21 June					
1	33.68	93.55	871	2.17	7%
2	41.3	93.75	96.88	-1.29	-3%
3	43.41	97.22	88.89	3.62	9%
4	45.36	97.22	100	-1.26	-3%
5	52.2	100	100	0.00	0%
6	45.61	100	100	0.00	0%
7	48.66	93.33	97.78	-2.17	-5%
8	38.22	97.22	100	-1.06	-3%
9	109.23	100	100	0.00	0%

Appendix 10.5 - Results of the Proposed Development





S03 - Level 1



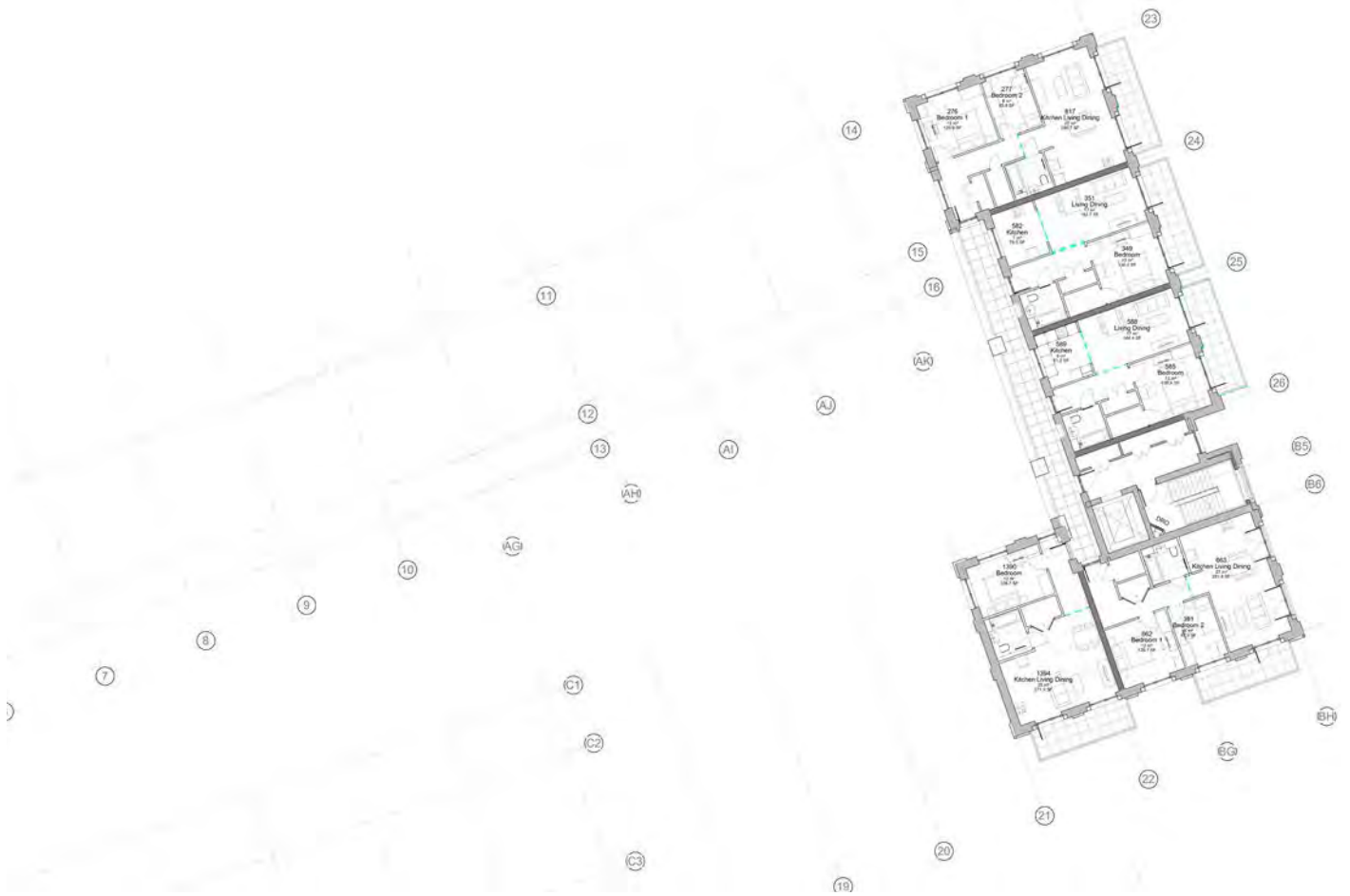
S03 - Level 2



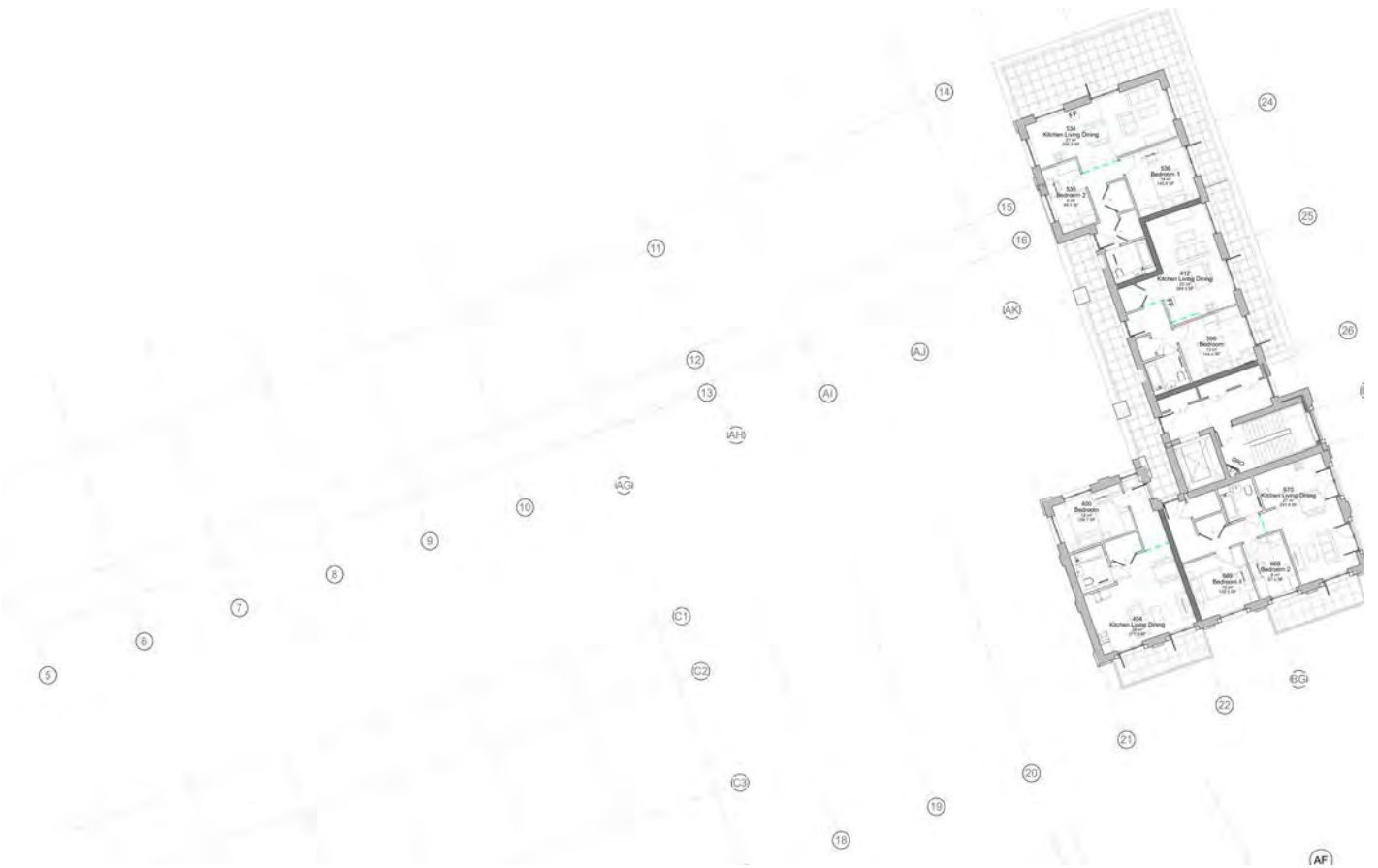
S03 - Level 3



S03 - Level 4



S03 - Level 5



S03 - Level 6

Table 20. Daylight and Sunlight Assessment: Impact on the proposed buildings - S03

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	bove/Below Recommended (%)	Both Meet
OF											
193	Kitchen	3.85	1.85	100	20	Meet					
194	Kitchen	1.46	-0.54	100	20	Meet					
200	Living room	3.65	2.15	100	20	Meet					
203	Living room	2.73	1.23	100	20	Meet					
306	Kitchen	2.00	0.00	90.14	10.14	Meet					
317	Living room	4.49	2.99	100	20	Meet					
318	Kitchen	1.57	-0.43	44.23	-35.77	Meet					
322	Living room	4.49	2.99	100	20	Meet					
323	Kitchen	1.67	-0.33	55.73	-24.27	Meet					
372	LKD	2.71	0.71	100	20	Meet	58	33	10	5	TRUE
423	Living room	4.71	3.21	100	20	Meet					
427	Kitchen	1.03	-0.97	62	-18	NO					
454	Living room	4.76	3.26	100	20	Meet					
456	Kitchen	1.12	-0.88	78.32	-1.68	Meet					
459	Living room	4.78	3.28	100	20	Meet					
462	Kitchen	1.10	-0.90	72.48	-7.52	Meet					
465	Living room	4.78	3.28	100	20	Meet					
466	Kitchen	1.05	-0.95	58.7	-21.3	Meet					
469	Living room	4.80	3.30	100	20	Meet					
474	Kitchen	0.99	-1.01	27.63	-52.37	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
OF											
1041	Living room	3.20	1.70	99.99	19.99	Meet	63	38	10	5	TRUE
1047	Kitchen	2.97	0.97	100	20	Meet					
1051	Living room	3.15	1.65	99.78	19.78	Meet	64	39	10	5	TRUE
1052	Kitchen	3.01	1.01	100	20	Meet					
1056	Living room	3.23	1.73	99.76	19.76	Meet	63	38	10	5	TRUE
1057	Kitchen	2.82	0.82	100	20	Meet					
1070	Living room	3.24	1.74	99.64	19.64	Meet	69	44	15	10	TRUE
1071	Kitchen	2.78	0.78	100	20	Meet					
1075	Living room	3.27	1.77	97.21	17.21	Meet	67	42	13	8	TRUE
1076	Kitchen	2.73	0.73	100	20	Meet					
1079	Living room	3.45	1.95	98.22	18.22	Meet	64	39	12	7	TRUE
1080	Kitchen	2.60	0.60	100	20	Meet					
1083	Living room	3.16	1.66	99.82	19.82	Meet	63	38	9	4	TRUE
1084	Kitchen	2.93	0.93	100	20	Meet					
1168	Living room	3.05	1.55	96.57	16.57	Meet	65	40	13	8	TRUE
1169	Kitchen	2.70	0.70	100	20	Meet					
1317	Living room	4.47	2.97	100	20	Meet					
1318	Kitchen	1.53	-0.47	39.73	-40.27	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
1F											
210	Bedroom	3.08	2.08	100	20	Meet					
211	Bedroom	7.50	6.50	100	20	Meet					
212	Bedroom	4.46	3.46	100	20	Meet					
216	Bedroom	3.09	2.09	100	20	Meet					
217	Bedroom	3.92	2.92	100	20	Meet					
218	Bedroom	2.42	1.42	100	20	Meet					
222	Bedroom	2.29	1.29	100	20	Meet					
223	Bedroom	3.38	2.38	100	20	Meet					
226	KLD	1.59	-0.41	97.94	17.94	Meet					
377	Bedroom	1.77	0.77	96.03	16.03	Meet					
378	Bedroom	1.36	0.36	41.8	-38.2	Meet					
383	Bedroom	2.05	1.05	93.23	13.23	Meet					
384	Bedroom	1.56	0.56	84.8	4.8	Meet					
386	Bedroom	2.03	1.03	95.38	15.38	Meet					
387	Bedroom	1.53	0.53	94.5	14.5	Meet					
407	Bedroom	2.11	1.11	100	20	Meet					
410	Bedroom	2.11	1.11	100	20	Meet					
415	Bedroom	1.57	0.57	39.67	-40.33	Meet					
418	Bedroom	1.64	0.64	46.59	-33.41	Meet					
425	Bedroom	1.23	0.23	45.48	-34.52	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	Above/ Below Recommended (%)	Both Meet
1F											
426	Bedroom	1.31	0.31	55.49	-24.51	Meet					
429	Bedroom	1.86	0.86	95.31	15.31	Meet					
431	Bedroom	3.35	2.35	100	20	Meet					
432	Bedroom	5.53	4.53	100	20	Meet					
823	Bedroom	1.95	0.95	88.5	8.5	Meet					
829	Bedroom	1.43	0.43	54.04	-25.96	Meet					
834	Bedroom	1.84	0.84	34.68	-45.32	Meet					
835	Bedroom	1.40	0.40	42.27	-37.73	Meet					
1065	Bedroom	2.11	1.11	100	20	Meet					
1066	Bedroom	2.97	1.97	100	20	Meet					
1069	Bedroom	3.80	2.80	100	20	Meet					
1140	Bedroom	2.23	1.23	99.42	19.42	Meet					
1142	Bedroom	1.92	0.92	98.7	18.7	Meet					
1144	Bedroom	3.29	2.29	100	20	Meet					
1163	Bedroom	1.88	0.88	72.17	-7.83	Meet					
1164	Bedroom	1.50	0.50	66.04	-13.96	Meet					
1230	Bedroom	2.09	1.09	98.69	18.69	Meet					
1231	Bedroom	2.91	1.91	100	20	Meet					
1234	Bedroom	3.72	2.72	100	20	Meet					
1236	Bedroom	2.12	1.12	97.76	17.76	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
1F											
1237	Bedroom	2.82	1.82	100	20	Meet					
1240	Bedroom	3.59	2.59	100	20	Meet					
1242	Bedroom	2.13	1.13	97.47	17.47	Meet					
1243	Bedroom	2.78	1.78	100	20	Meet					
1246	Bedroom	3.54	2.54	100	20	Meet					
1248	Bedroom	2.13	1.13	97.55	17.55	Meet					
1249	Bedroom	2.73	1.73	100	20	Meet					
1252	Bedroom	3.48	2.48	100	20	Meet					
1253	Bedroom	3.65	2.65	100	20	Meet					
1254	Bedroom	2.87	1.87	100	20	Meet					
1257	Bedroom	2.11	1.11	96.99	16.99	Meet					
1265	KLD	2.28	0.28	100	20	Meet					
1266	Bedroom	1.65	0.65	100	20	Meet					
1312	Bedroom	2.11	1.11	100	20	Meet					
1313	Bedroom	1.54	0.54	37.32	-42.68	Meet					
1316	Bedroom	1.19	0.19	41.1	-38.9	Meet					
1362	Bedroom	1.25	0.25	49.43	-30.57	Meet					
1363	Bedroom	1.47	0.47	63.54	-16.46	Meet					
1364	KLD	2.53	0.53	100	20	Meet	73	48	10	5	TRUE
1388	Bedroom	3.38	2.38	100	20	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
2F											
227	Bedroom	5.01	4.01	100	20	Meet					
236	Bedroom	3.33	2.33	100	20	Meet					
239	Living room	2.62	1.12	100	20	Meet					
240	Kitchen	2.45	0.45	100	20	Meet					
243	Bedroom	3.37	2.37	100	20	Meet					
246	Living room	2.67	1.17	100	20	Meet					
247	Kitchen	2.43	0.43	100	20	Meet					
357	Bedroom	2.74	1.74	96.31	16.31	Meet					
358	Bedroom	2.05	1.05	87.44	7.44	Meet					
359	KLD	4.72	2.72	100	20	Meet	64	39	13	8	TRUE
393	Bedroom	2.08	1.08	100	20	Meet					
435	Bedroom	1.78	0.78	97.26	17.26	Meet					
436	Bedroom	1.47	0.47	42.71	-37.29	Meet					
438	Bedroom	1.14	0.14	67.13	-12.87	Meet					
439	Bedroom	1.60	0.60	67.19	-12.81	Meet					
441	Bedroom	1.23	0.23	91.79	11.79	Meet					
442	Bedroom	1.67	0.67	86.38	6.38	Meet					
444	Bedroom	1.23	0.23	93.06	13.06	Meet					
445	Bedroom	1.64	0.64	96.65	16.65	Meet					
447	Bedroom	1.19	0.19	77.55	-2.45	Meet					
448	Bedroom	1.54	0.54	61.87	-18.13	Meet					
450	Bedroom	1.15	0.15	51.79	-28.21	Meet					
451	Bedroom	1.52	0.52	49.42	-30.58	Meet					
737	Bedroom	1.31	0.31	53.03	-26.97	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	Above/ Below Recommended (%)	Both Meet
2F											
740	Bedroom	1.52	0.52	69.54	-10.46	Meet					
744	KLD	2.59	0.59	100	20	Meet	74	49	12	7	TRUE
894	Bedroom	4.16	3.16	100	20	Meet					
1005	KLD	5.21	3.21	100	20	Meet					
1006	KLD	1.40	-0.60	50.22	-29.78	Meet	44	19	2	-3	FALSE
1100	KLD	3.74	1.74	100	20	Meet	87	62	19	14	TRUE
1105	KLD	3.22	1.22	100	20	Meet	85	60	17	12	TRUE
1109	KLD	3.17	1.17	100	20	Meet	86	61	18	13	TRUE
1114	KLD	3.19	1.19	100	20	Meet	86	61	17	12	TRUE
1159	KLD	2.59	0.59	100	20	Meet	64	39	5	0	TRUE
1166	Bedroom	2.03	1.03	100	20	Meet					
1167	Bedroom	1.97	0.97	100	20	Meet					
1196	Bedroom	1.93	0.93	95.13	15.13	Meet					
1199	Bedroom	2.16	1.16	99.82	19.82	Meet					
1203	Bedroom	1.68	0.68	100	20	Meet					
1205	KLD	2.42	0.42	100	20	Meet					
1304	Bedroom	2.43	1.43	100	20	Meet					
1306	Bedroom	2.35	1.35	100	20	Meet					
1307	Bedroom	2.28	1.28	100	20	Meet					
1353	Bedroom	1.35	0.35	100	20	Meet					
1354	Bedroom	1.24	0.24	49	-31	Meet					
1356	Bedroom	1.19	0.19	39.14	-40.86	Meet					

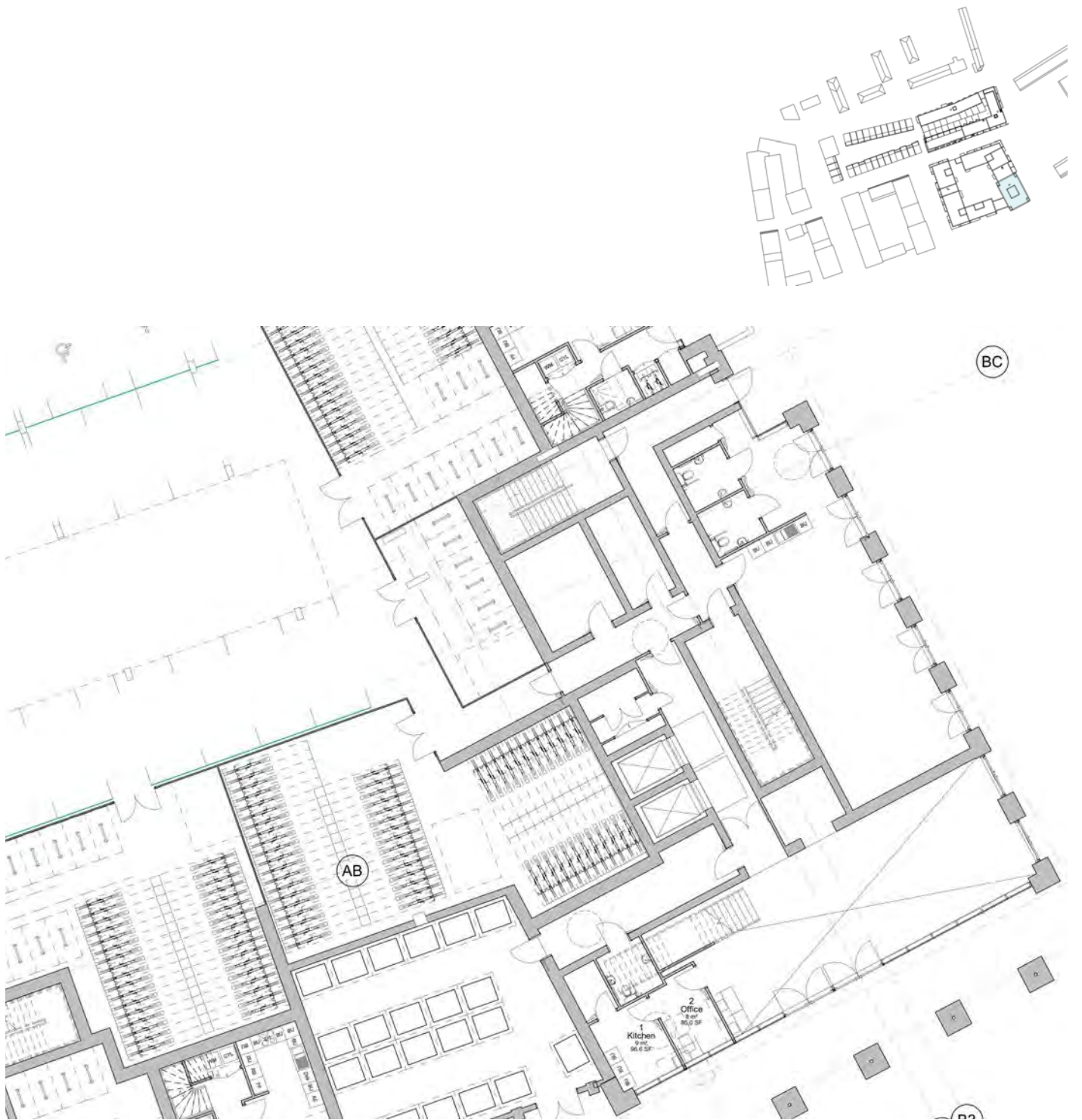
Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	bove/Below Recommended (%)	Both Meet
3F											
337	Living room	2.77	1.27	100	20	Meet					
364	Bedroom	2.81	1.81	96.7	16.7	Meet					
365	Bedroom	2.11	1.11	88.05	8.05	Meet					
366	KLD	4.87	2.87	100	20	Meet	65	40	13	8	TRUE
460	Bedroom	3.49	2.49	100	20	Meet					
472	Living room	2.73	1.23	100	20	Meet					
473	Kitchen	2.54	0.54	100	20	Meet					
526	Bedroom	3.50	2.50	100	20	Meet					
530	Kitchen	2.52	0.52	100	20	Meet					
881	Bedroom	5.24	4.24	100	20	Meet					
882	Bedroom	4.38	3.38	100	20	Meet					
893	KLD	5.31	3.31	100	20	Meet					
1145	Bedroom	1.38	0.38	58.22	-21.78	Meet					
1146	Bedroom	1.59	0.59	79.33	-0.67	Meet					
1147	KLD	2.68	0.68	100	20	Meet	77	52	13	8	TRUE
1271	Bedroom	2.14	1.14	100	20	Meet					
1272	Bedroom	2.11	1.11	100	20	Meet					
1273	Bedroom	2.06	1.06	100	20	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
3F											
1274	KLD	3.87	1.87	100	20	Meet	88	63	20	15	TRUE
1275	Bedroom	2.51	1.51	100	20	Meet					
1280	KLD	3.32	1.32	100	20	Meet	87	62	18	13	TRUE
1283	Bedroom	2.47	1.47	100	20	Meet					
1287	KLD	3.28	1.28	100	20	Meet	88	63	20	15	TRUE
1288	Bedroom	2.42	1.42	100	20	Meet					
1300	KLD	2.53	0.53	100	20	Meet					
1301	Kitchen	1.70	-0.30	100	20	Meet					
1330	KLD	3.31	1.31	100	20	Meet	91	66	22	17	TRUE
1331	Bedroom	2.03	1.03	99.68	19.68	Meet					
1337	Bedroom	2.26	1.26	100	20	Meet					
1371	Bedroom	1.39	0.39	100	20	Meet					
1372	KLD	1.53	-0.47	59.15	-20.85	Meet	51	26	5	0	TRUE
1373	Bedroom	1.31	0.31	50.59	-29.41	Meet					
1374	Bedroom	1.35	0.35	65.21	-14.79	Meet					
1375	KLD	2.73	0.73	100	20	Meet	69	44	8	3	TRUE

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
4F											
340	Living room	2.87	1.37	100	20	Meet					
341	Kitchen	2.57	0.57	100	20	Meet					
344	Bedroom	3.63	2.63	100	20	Meet					
346	Living room	2.85	1.35	100	20	Meet					
347	Kitchen	2.55	0.55	100	20	Meet					
371	Bedroom	2.83	1.83	96.99	16.99	Meet					
533	Bedroom	3.62	2.62	100	20	Meet					
655	Bedroom	2.16	1.16	88.42	8.42	Meet					
656	KLD	5.00	3.00	100	20	Meet	68	43	14	9	TRUE
818	KLD	5.51	3.51	100	20	Meet					
861	Bedroom	5.38	4.38	100	20	Meet					
862	Bedroom	4.50	3.50	100	20	Meet					
1395	Bedroom	4.09	3.09	100	20	Meet					
1399	KLD	2.43	0.43	97.47	17.47	Meet	67	42	14	9	TRUE

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	Above/ Below Recommended (%)	Both Meet
5F											
276	Bedroom	5.34	4.34	100	20	Meet					
277	Bedroom	4.44	3.44	100	20	Meet					
349	Bedroom	3.56	2.56	100	20	Meet					
351	Living room	2.82	1.32	100	20	Meet					
381	Bedroom	2.79	1.79	97.87	17.87	Meet					
582	Kitchen	2.55	0.55	100	20	Meet					
585	Bedroom	3.55	2.55	100	20	Meet					
588	Living room	2.81	1.31	100	20	Meet					
589	Kitchen	2.48	0.48	100	20	Meet					
662	Bedroom	2.13	1.13	89.77	9.77	Meet					
663	KLD	4.90	2.90	100	20	Meet	71	46	15	10	TRUE
817	KLD	5.45	3.45	100	20	Meet					
1390	Bedroom	4.01	3.01	100	20	Meet					
1394	KLD	2.42	0.42	99.81	19.81	Meet	70	45	16	11	TRUE

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
6F											
400	Bedroom	4.15	3.15	100	20	Meet					
404	KLD	2.56	0.56	99.84	19.84	Meet	71	46	17	12	TRUE
412	KLD	4.17	2.17	100	20	Meet					
534	KLD	5.99	3.99	100	20	Meet					
535	Bedroom	2.39	1.39	100	20	Meet					
536	Bedroom	3.48	2.48	100	20	Meet					
596	Bedroom	3.50	2.50	100	20	Meet					
668	Bedroom	2.93	1.93	98.56	18.56	Meet					
669	Bedroom	2.24	1.24	93.16	13.16	Meet					
670	KLD	5.03	3.03	100	20	Meet	73	48	17	12	TRUE



S04 - Block A - Level 0



S04 - Block A - Level 1



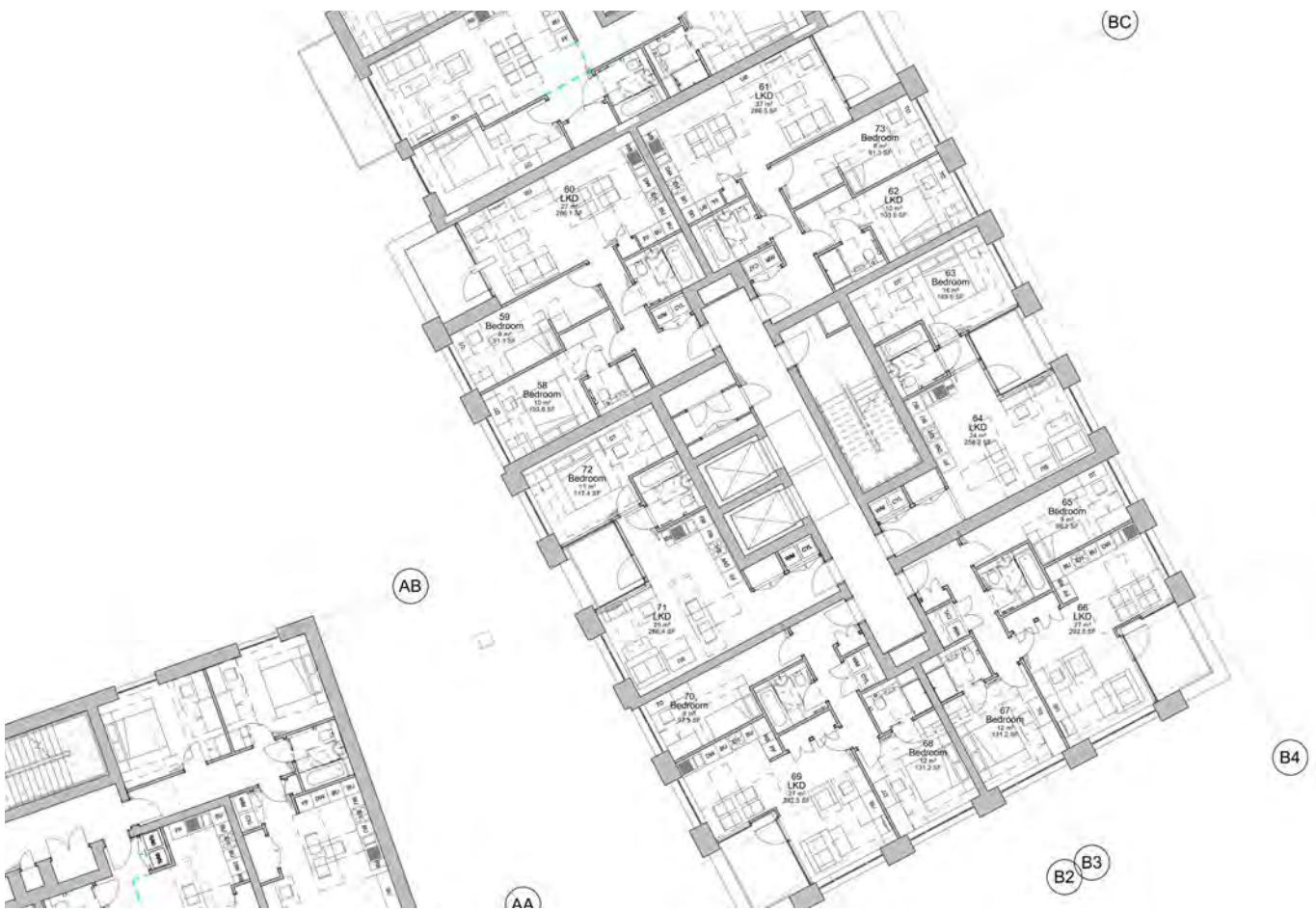
S04 - Block A - Level 2



S04 - Block A - Level 3



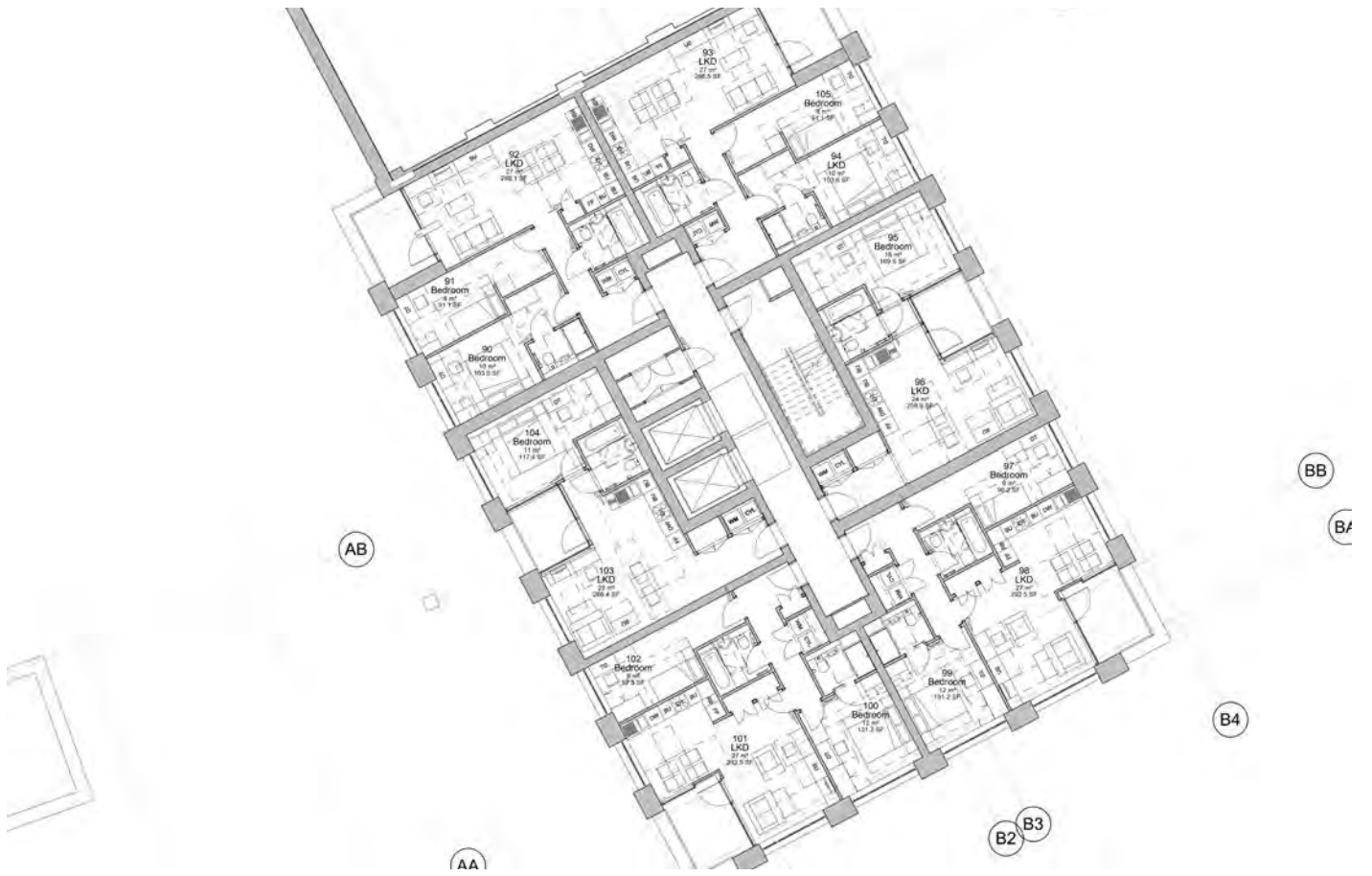
S04 - Block A - Level 4



S04 - Block A - Level 5



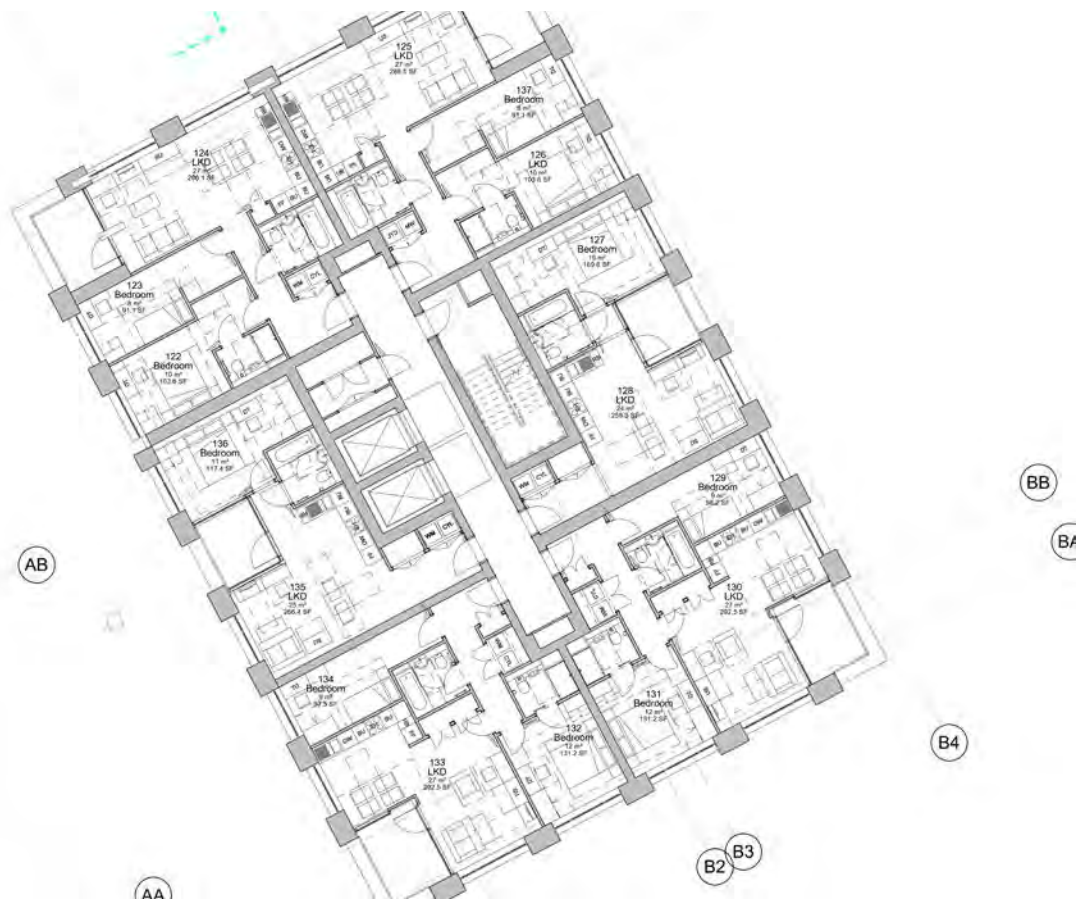
S04 - Block A - Level 6



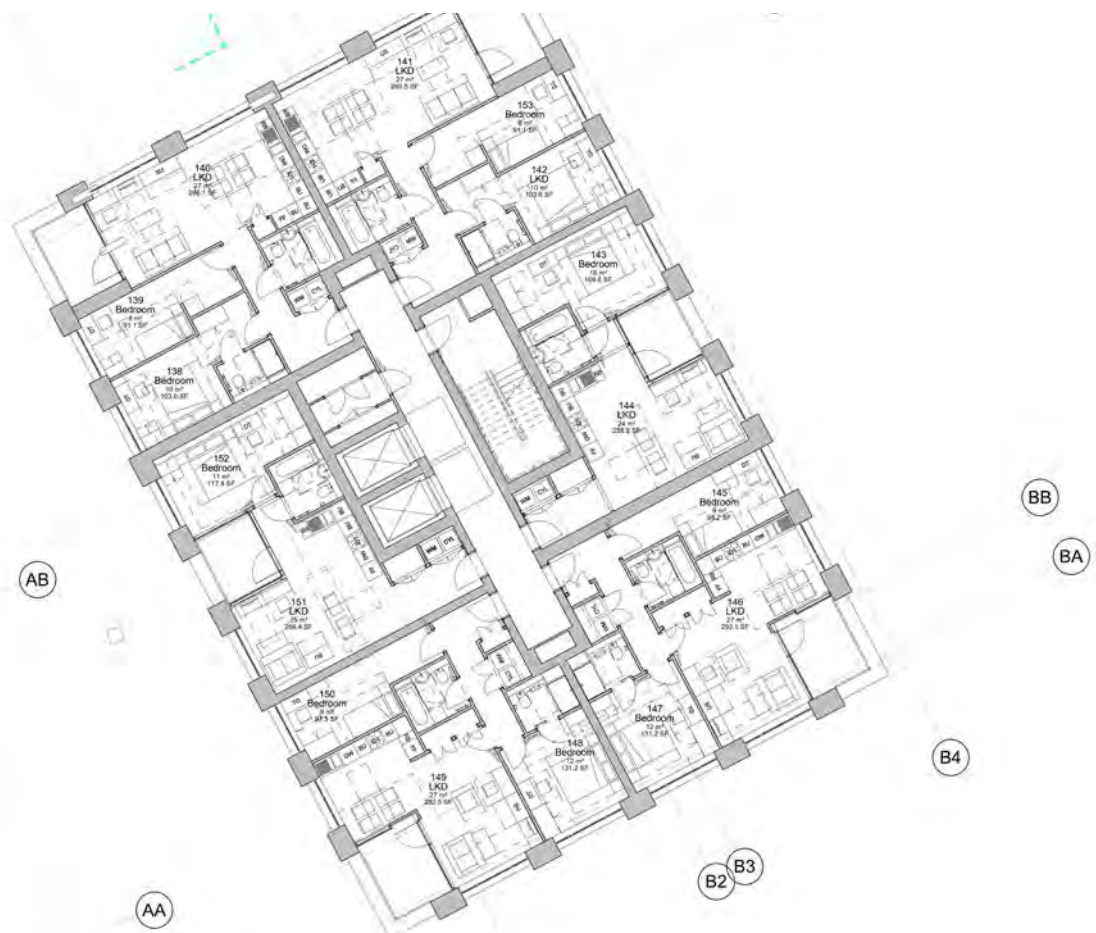
S04 - Block A - Level 7



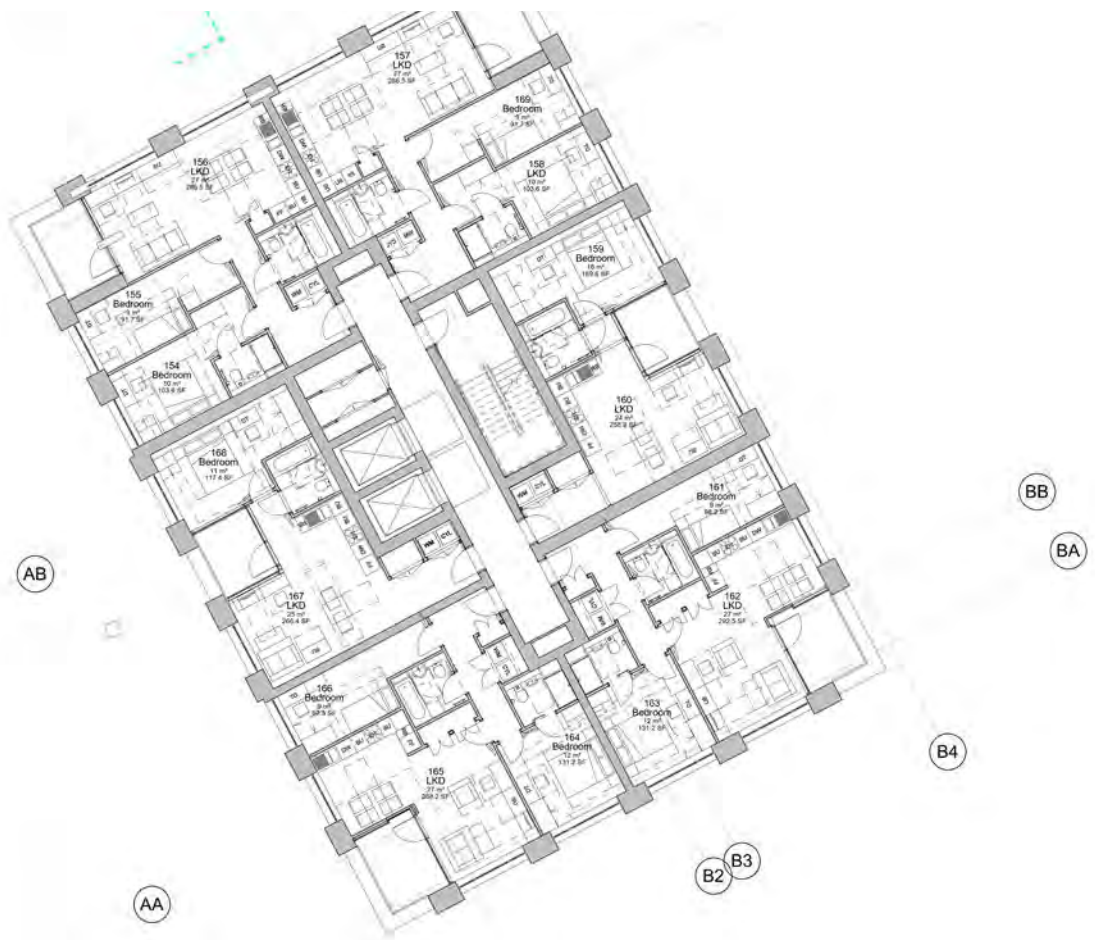
S04 - Block A - Level 8



S04 - Block A - Level 9



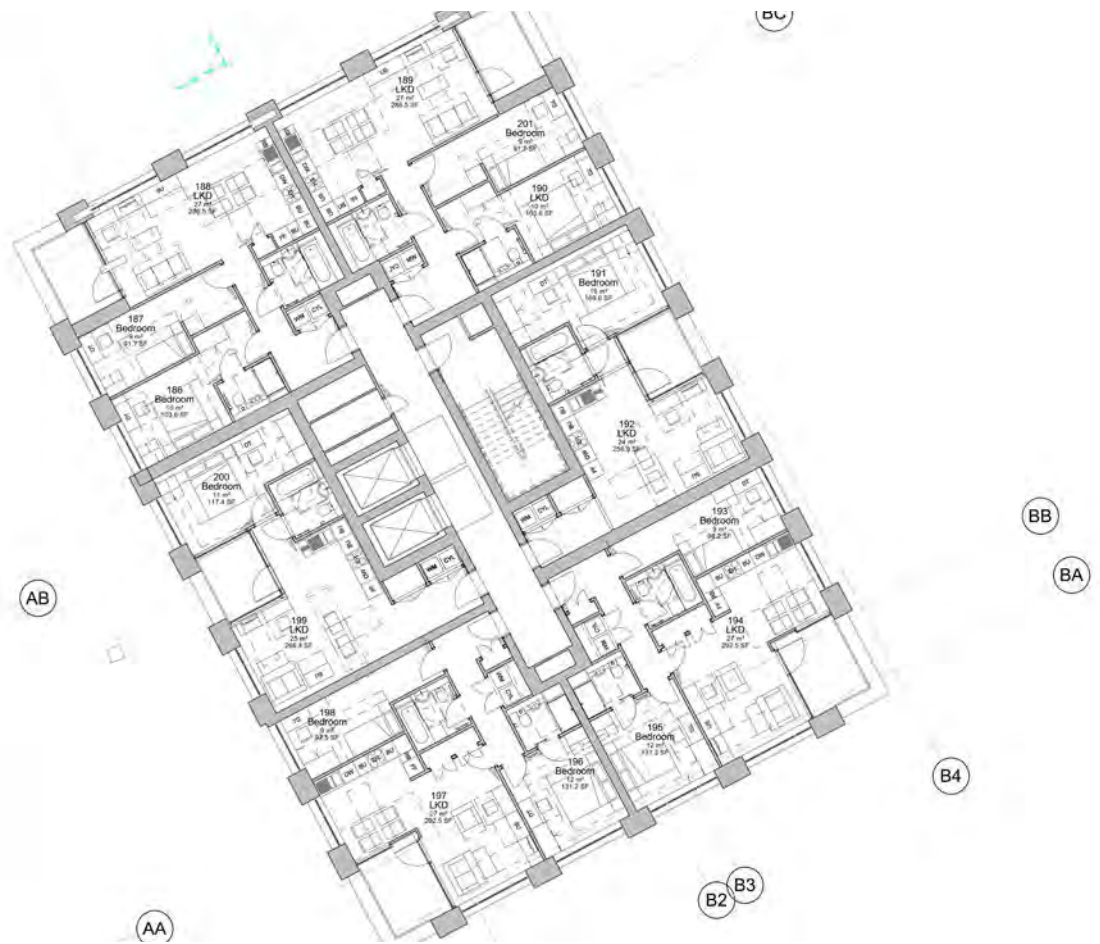
S04 - Block A - Level 10



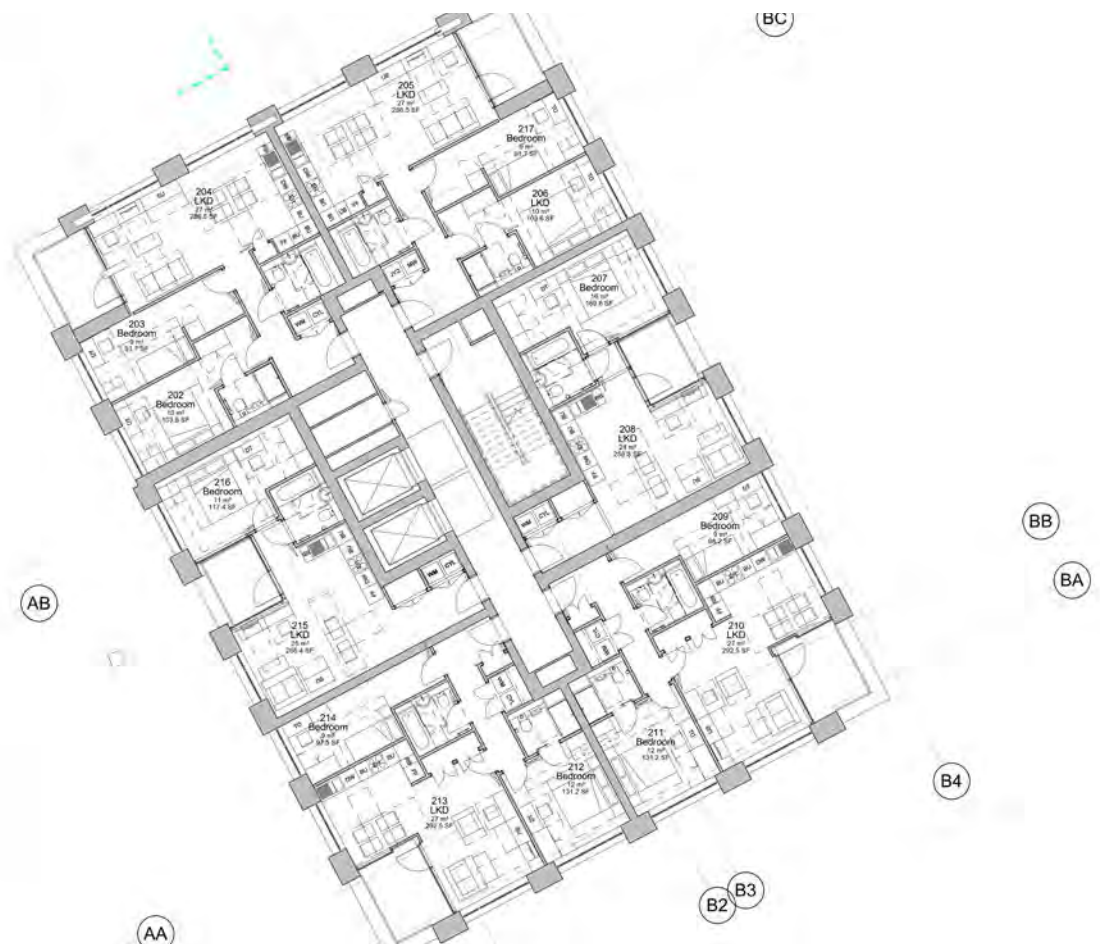
S04 - Block A - Level 11



S04 - Block A - Level 12



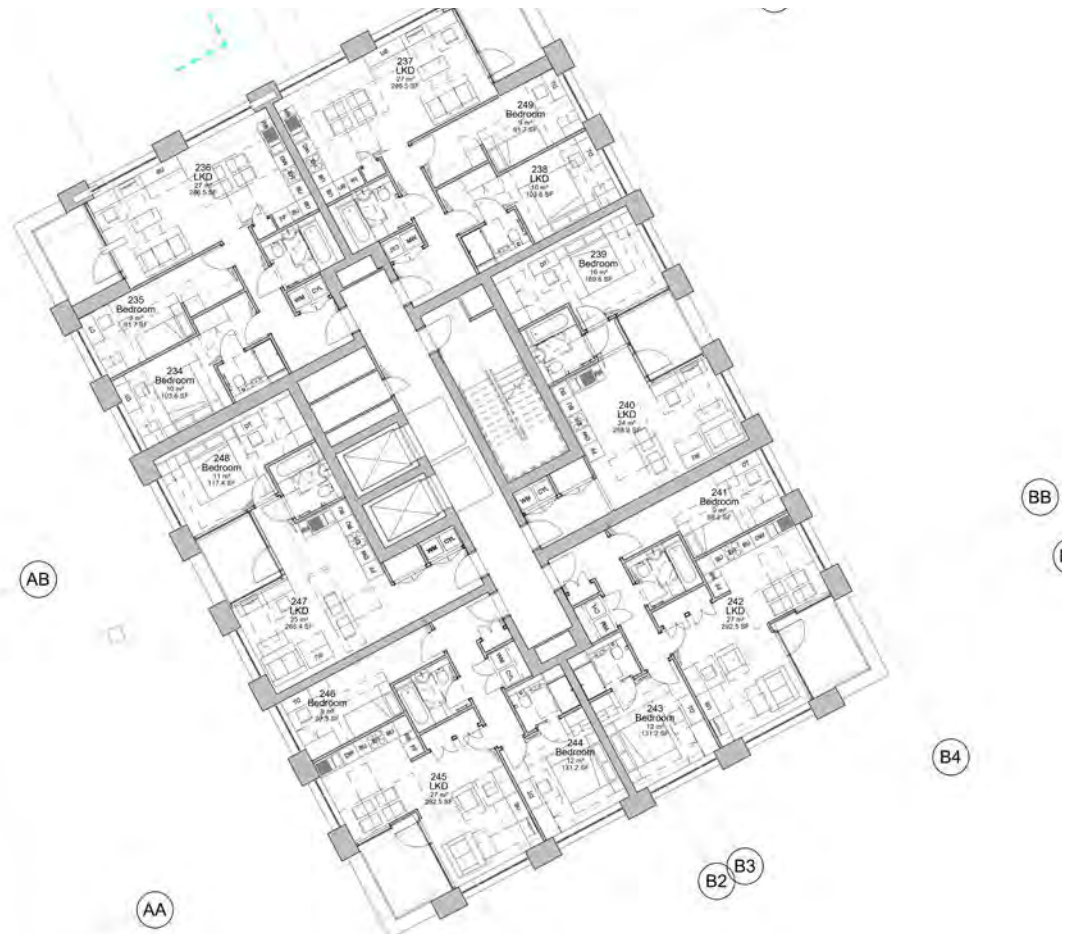
S04 - Block A - Level 13



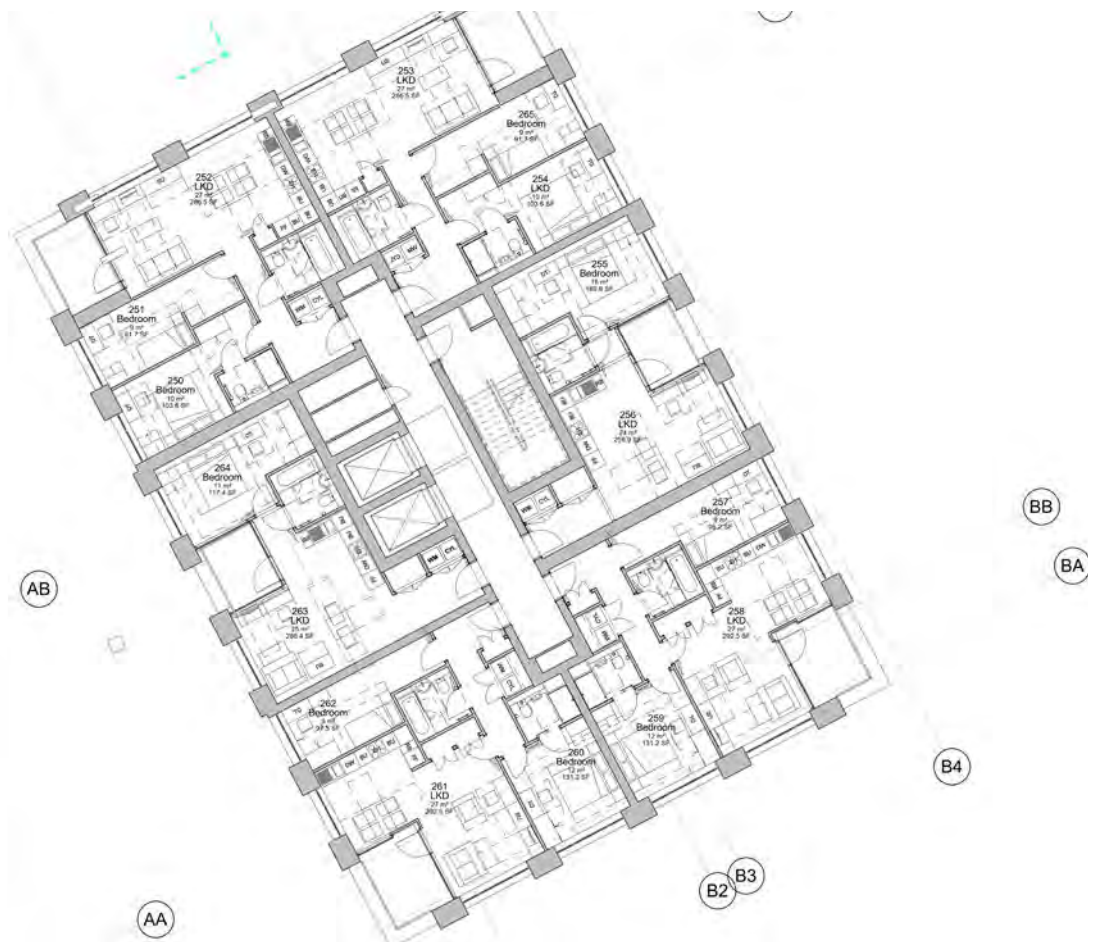
S04 - Block A - Level 14



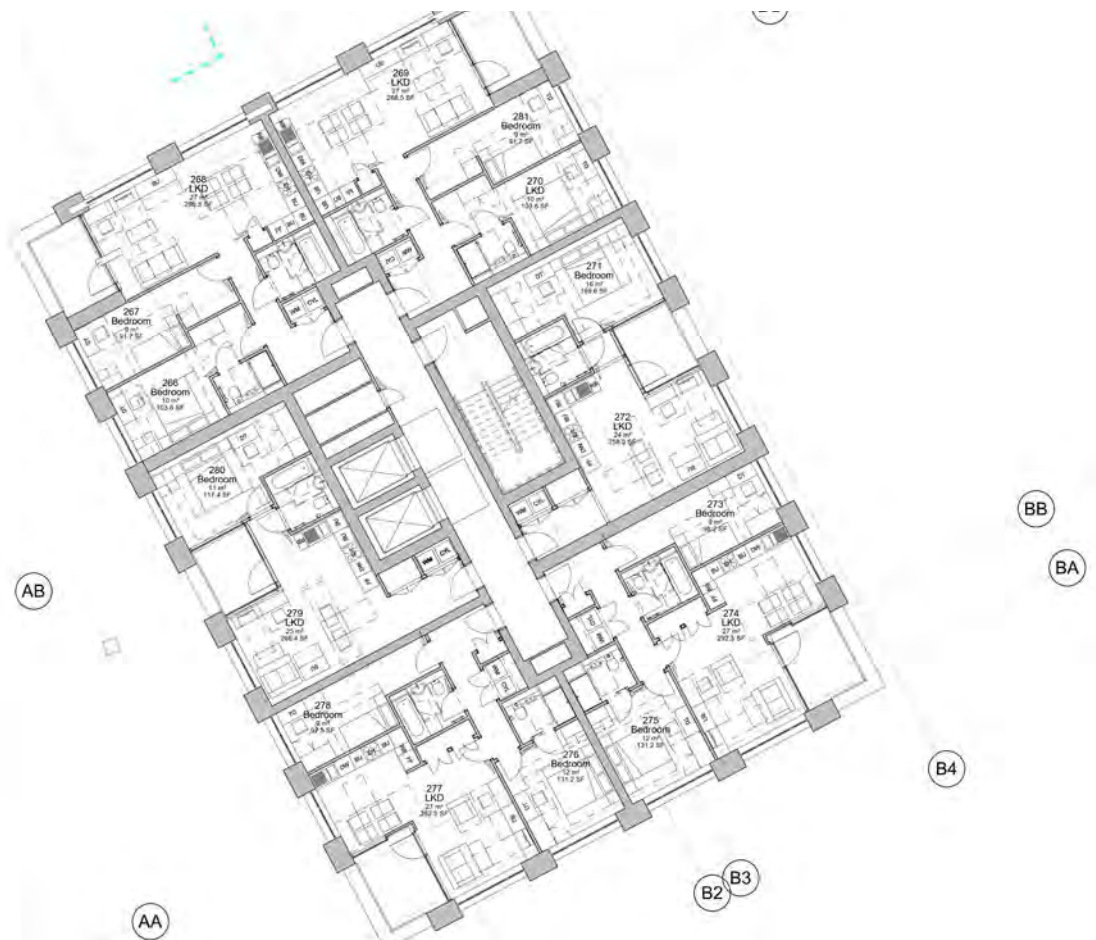
S04 - Block A - Level 15



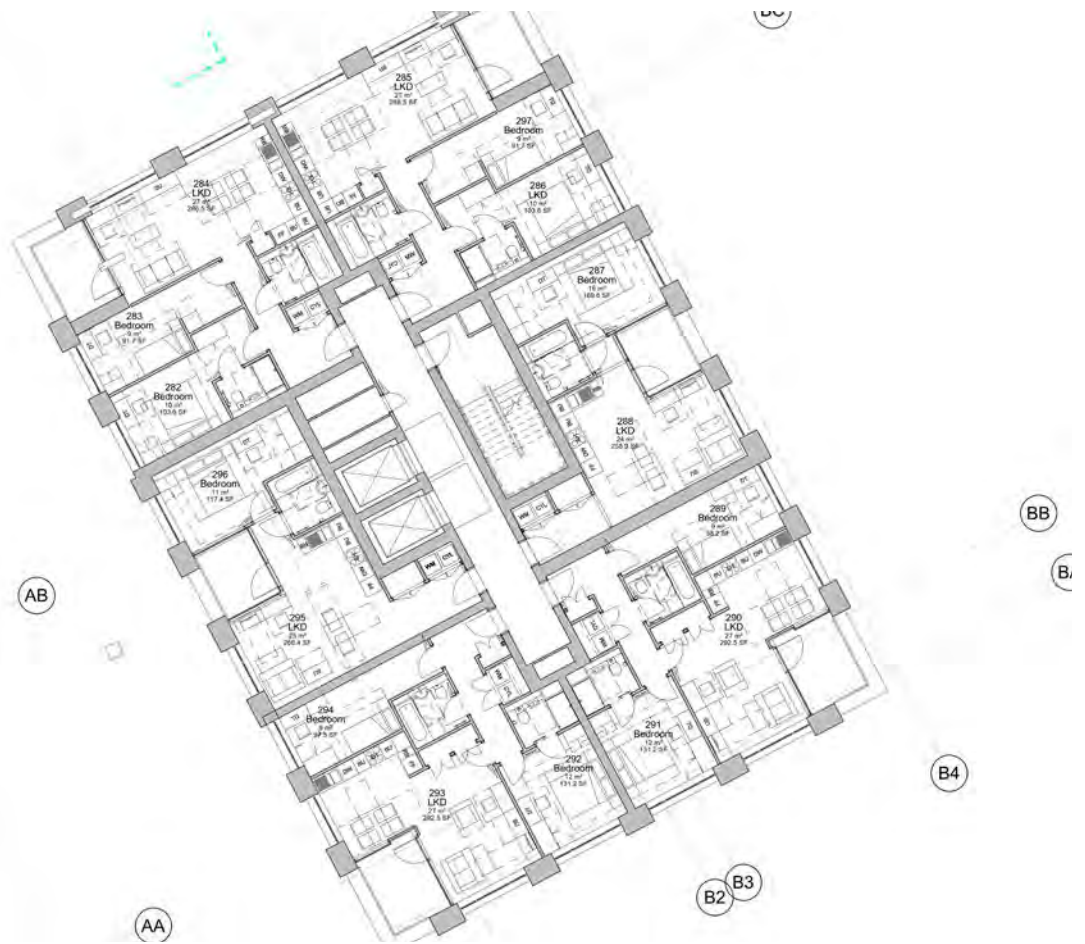
S04 - Block A - Level 16



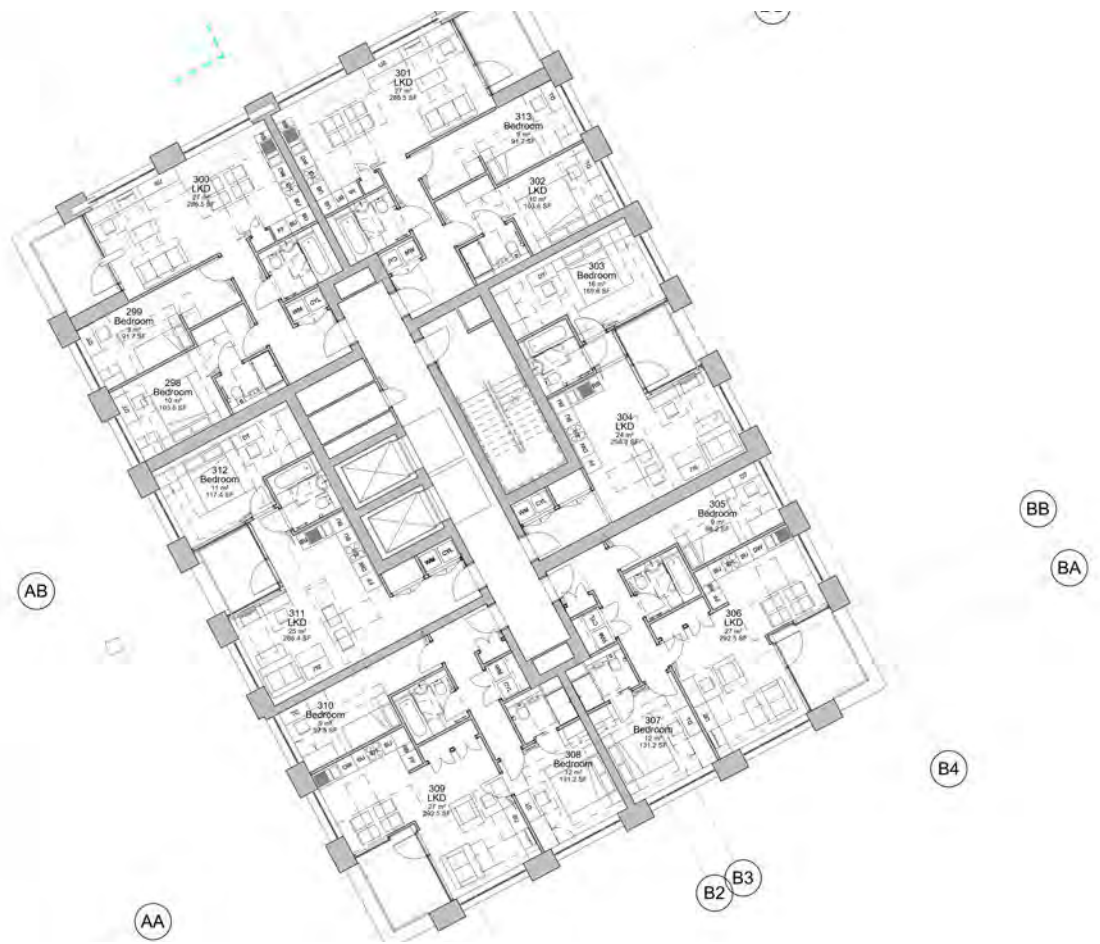
S04 - Block A - Level 17



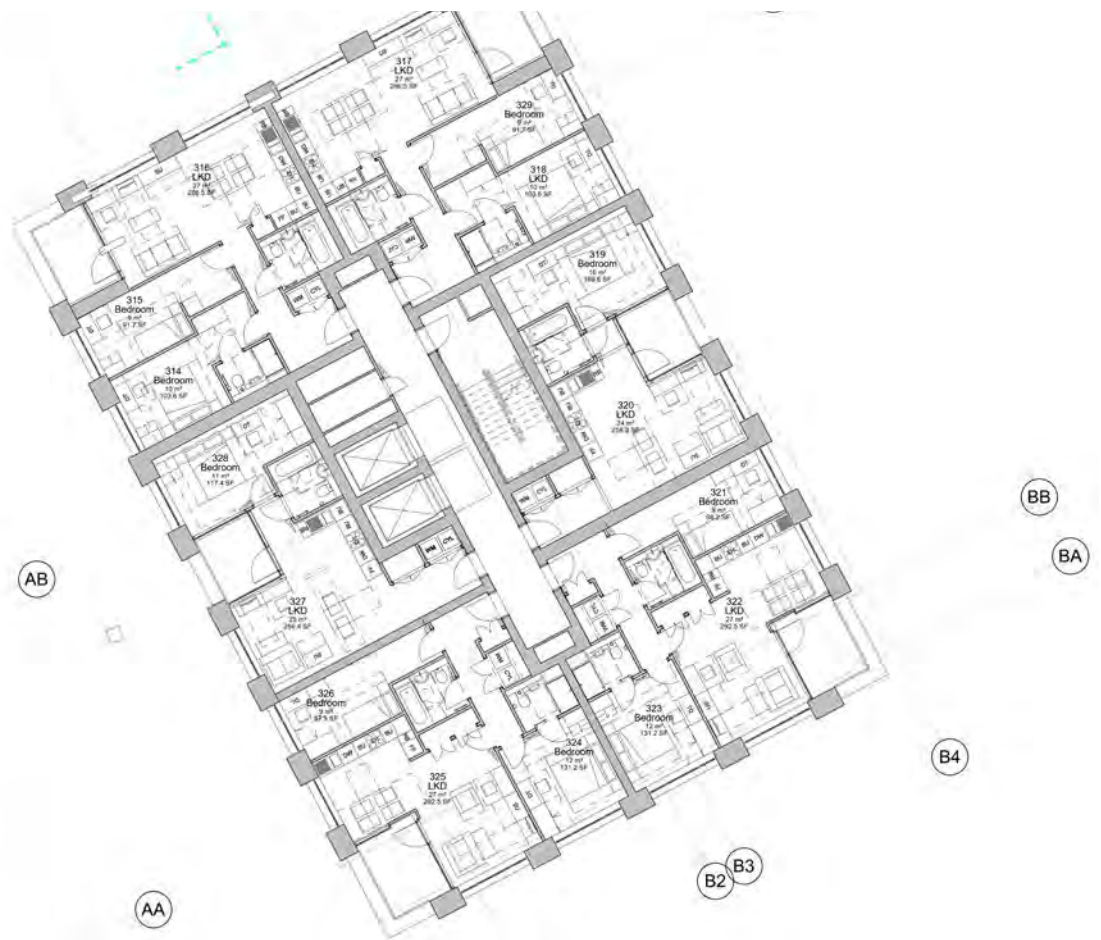
S04 - Block A - Level 18



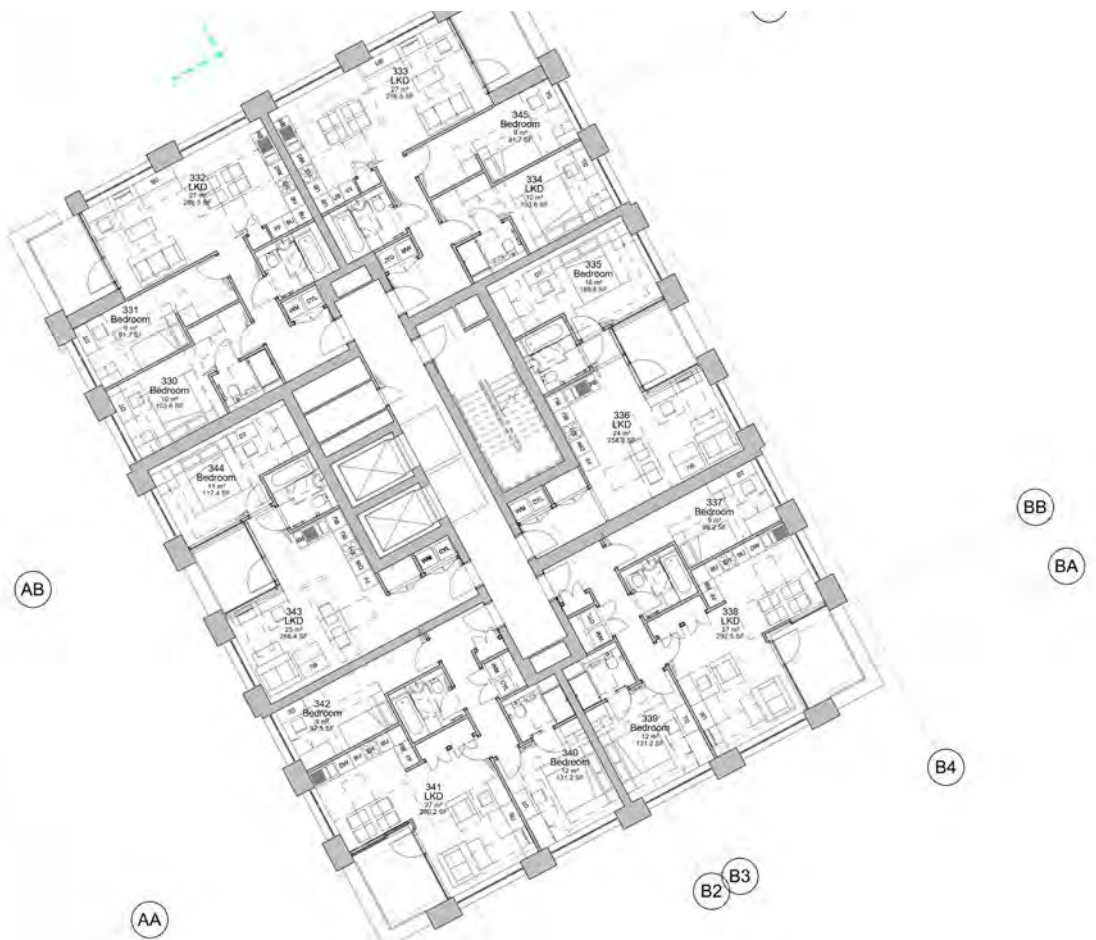
S04 - Block A - Level 19



S04 - Block A - Level 20



S04 - Block A - Level 21



S04 - Block A - Level 22

Table 21. Daylight and Sunlight Assessment: Impact on the proposed buildings - S04 - Block A

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
0F											
1	Kitchen	4.20	2.20	99.6	19.6	Meet					
2	Office	4.02	2.52	100	20	Meet					
1F											
3	Bedroom	0.86	-0.14	26.11	-53.89	Meet					
4	Bedroom	1.46	0.46	51.85	-28.15	Meet					
5	LKD	0.08	-1.92	9.31	-70.69	Meet					
6	Bedroom	1.26	0.26	98.66	18.66	Meet					
7	LKD	2.67	0.67	99.46	19.46	Meet					
8	Bedroom	1.73	0.73	98.66	18.66	Meet					
9	LKD	1.46	-0.54	93.7	13.7	Meet	26	1	5	0	TRUE
2F											
10	Bedroom	5.60	4.60	55.35	-24.65	Meet					
11	Bedroom	6.57	5.57	68.1	-11.9	Meet					
12	LKD	0.18	-1.82	10.57	-69.43	Meet					
13	LKD	0.58	-1.42	69.61	-10.39	Meet					
14	Bedroom	11.21	10.21	99.88	19.88	Meet					
15	LKD	9.90	7.90	98.85	18.85	Meet					
16	Bedroom	6.10	5.10	98.81	18.81	Meet					
17	LKD	4.48	2.48	97.83	17.83	Meet					
18	Bedroom	10.49	9.49	99.38	19.38	Meet					
19	LKD	9.45	7.45	98.98	18.98	Meet	67	42	23	18	TRUE
20	Bedroom	11.77	10.77	99.89	19.89	Meet					
21	Bedroom	11.77	10.77	99.57	19.57	Meet					
22	LKD	8.32	6.32	96.29	16.29	Meet	77	52	28	23	TRUE
23	Bedroom	6.60	5.60	65.83	-14.17	Meet					
24	LKD	2.26	0.26	47.51	-32.49	Meet					
25	Bedroom	4.86	3.86	58.3	-21.7	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
3F											
26	Bedroom	6.26	5.26	65.03	-14.97	Meet					
27	Bedroom	7.25	6.25	77.25	-2.75	Meet					
28	LKD	0.23	-1.77	11.16	-68.84	Meet					
29	LKD	0.59	-1.41	71.16	-8.84	Meet					
30	LKD	10.10	8.10	98.85	18.85	Meet					
31	Bedroom	6.21	5.21	98.81	18.81	Meet					
32	LKD	4.57	2.57	97.83	17.83	Meet					
33	Bedroom	10.67	9.67	99.38	19.38	Meet					
34	LKD	9.51	7.51	99.02	19.02	Meet	67	42	23	18	TRUE
35	Bedroom	11.77	10.77	99.89	19.89	Meet					
36	Bedroom	11.77	10.77	99.57	19.57	Meet					
37	LKD	8.49	6.49	98.03	18.03	Meet	79	54	28	23	TRUE
38	Bedroom	7.22	6.22	72.24	-7.76	Meet					
39	LKD	2.49	0.49	50.78	-29.22	Meet					
40	Bedroom	5.37	4.37	66.78	-13.22	Meet					
41	Bedroom	11.44	10.44	99.88	19.88	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
4F											
42	Bedroom	6.83	5.83	83.38	3.38	Meet					
43	Bedroom	8.03	7.03	91.2	11.2	Meet					
44	LKD	0.29	-1.71	12.12	-67.88	Meet					
45	LKD	0.60	-1.40	71.39	-8.61	Meet					
46	LKD	10.20	8.20	98.85	18.85	Meet					
47	Bedroom	6.27	5.27	98.81	18.81	Meet					
48	LKD	4.63	2.63	97.84	17.84	Meet					
49	Bedroom	10.74	9.74	99.38	19.38	Meet					
50	LKD	9.53	7.53	98.98	18.98	Meet	67	42	23	18	TRUE
51	Bedroom	11.77	10.77	99.89	19.89	Meet					
52	Bedroom	11.77	10.77	99.57	19.57	Meet					
53	LKD	8.70	6.70	98.98	18.98	Meet	82	57	28	23	TRUE
54	Bedroom	7.98	6.98	88.47	8.47	Meet					
55	LKD	2.81	0.81	62.74	-17.26	Meet					
56	Bedroom	6.04	5.04	86.91	6.91	Meet					
57	Bedroom	11.55	10.55	99.88	19.88	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
5F											
58	Bedroom	7.72	6.72	98.81	18.81	Meet					
59	Bedroom	8.89	7.89	99.6	19.6	Meet					
60	LKD	0.35	-1.65	13.95	-66.05	Meet					
61	LKD	0.61	-1.39	71.39	-8.61	Meet					
62	LKD	10.23	8.23	98.85	18.85	Meet					
63	Bedroom	6.29	5.29	98.81	18.81	Meet					
64	LKD	4.63	2.63	97.83	17.83	Meet					
65	Bedroom	10.77	9.77	99.38	19.38	Meet					
66	LKD	9.54	7.54	99.02	19.02	Meet	67	42	23	18	TRUE
67	Bedroom	11.77	10.77	99.89	19.89	Meet					
68	Bedroom	11.77	10.77	99.57	19.57	Meet					
69	LKD	8.83	6.83	98.98	18.98	Meet	85	60	28	23	TRUE
70	Bedroom	8.60	7.60	99.15	19.15	Meet					
71	LKD	3.13	1.13	87.57	7.57	Meet					
72	Bedroom	6.66	5.66	98.84	18.84	Meet					
73	Bedroom	11.59	10.59	99.88	19.88	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
6F											
74	Bedroom	8.57	7.57	98.82	18.82	Meet					
75	Bedroom	9.69	8.69	99.67	19.67	Meet					
76	LKD	0.40	-1.60	17.53	-62.47	Meet					
77	LKD	0.61	-1.39	71.39	-8.61	Meet					
78	LKD	10.24	8.24	98.85	18.85	Meet					
79	Bedroom	6.30	5.30	98.81	18.81	Meet					
80	LKD	4.63	2.63	97.83	17.83	Meet					
81	Bedroom	10.78	9.78	99.38	19.38	Meet					
82	LKD	9.55	7.55	98.98	18.98	Meet	67	42	23	18	TRUE
83	Bedroom	11.77	10.77	99.89	19.89	Meet					
84	Bedroom	11.77	10.77	99.57	19.57	Meet					
85	LKD	8.92	6.92	98.98	18.98	Meet	86	61	28	23	TRUE
86	Bedroom	9.03	8.03	99.66	19.66	Meet					
87	LKD	3.45	1.45	92.78	12.78	Meet					
88	Bedroom	7.26	6.26	98.84	18.84	Meet					
89	Bedroom	11.61	10.61	99.88	19.88	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
7F											
90	Bedroom	8.71	7.71	98.81	18.81	Meet					
91	Bedroom	10.07	9.07	99.67	19.67	Meet					
92	LKD	0.44	-1.56	25.65	-54.35	Meet					
93	LKD	0.61	-1.39	71.43	-8.57	Meet					
94	LKD	10.24	8.24	98.85	18.85	Meet					
95	Bedroom	6.30	5.30	98.81	18.81	Meet					
96	LKD	4.65	2.65	97.84	17.84	Meet					
97	Bedroom	10.78	9.78	99.38	19.38	Meet					
98	LKD	9.55	7.55	99.02	19.02	Meet	67	42	23	18	TRUE
99	Bedroom	11.77	10.77	99.89	19.89	Meet					
100	Bedroom	11.77	10.77	99.57	19.57	Meet					
101	LKD	9.00	7.00	98.98	18.98	Meet	87	62	28	23	TRUE
102	Bedroom	9.27	8.27	99.66	19.66	Meet					
103	LKD	3.58	1.58	97.17	17.17	Meet					
104	Bedroom	7.49	6.49	98.84	18.84	Meet					
105	Bedroom	11.61	10.61	99.88	19.88	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
8F											
106	Bedroom	9.03	8.03	98.81	18.81	Meet					
107	Bedroom	10.35	9.35	99.6	19.6	Meet					
108	LKD	8.80	6.80	99.03	19.03	Meet					
109	LKD	8.76	6.76	99.16	19.16	Meet					
110	LKD	9.58	7.58	98.83	18.83	Meet					
111	Bedroom	5.89	4.89	98.74	18.74	Meet					
112	LKD	4.36	2.36	97.78	17.78	Meet					
113	Bedroom	10.09	9.09	99.28	19.28	Meet					
114	LKD	9.31	7.31	98.95	18.95	Meet	67	42	23	18	TRUE
115	Bedroom	11.77	10.77	99.89	19.89	Meet					
116	Bedroom	11.77	10.77	99.57	19.57	Meet					
117	LKD	9.07	7.07	98.98	18.98	Meet	88	63	28	23	TRUE
118	Bedroom	9.51	8.51	99.67	19.67	Meet					
119	LKD	3.68	1.68	97.5	17.5	Meet					
120	Bedroom	7.69	6.69	98.84	18.84	Meet					
121	Bedroom	10.86	9.86	99.83	19.83	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
9F											
122	Bedroom	9.32	8.32	98.82	18.82	Meet					
123	Bedroom	10.59	9.59	99.6	19.6	Meet					
124	LKD	9.45	7.45	98.73	18.73	Meet					
125	LKD	9.34	7.34	99.59	19.59	Meet					
126	LKD	10.24	8.24	98.85	18.85	Meet					
127	Bedroom	6.30	5.30	98.81	18.81	Meet					
128	LKD	4.17	2.17	93.66	13.66	Meet					
129	Bedroom	10.78	9.78	99.38	19.38	Meet					
130	LKD	8.98	6.98	98.99	18.99	Meet	67	42	23	18	TRUE
131	Bedroom	11.77	10.77	99.89	19.89	Meet					
132	Bedroom	11.77	10.77	99.57	19.57	Meet					
133	LKD	8.66	6.66	98.9	18.9	Meet	89	64	28	23	TRUE
134	Bedroom	9.66	8.66	99.66	19.66	Meet					
135	LKD	3.51	1.51	93.73	13.73	Meet					
136	Bedroom	7.86	6.86	98.83	18.83	Meet					
137	Bedroom	11.61	10.61	99.88	19.88	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
10F											
138	Bedroom	9.32	8.32	98.81	18.81	Meet					
139	Bedroom	10.79	9.79	99.6	19.6	Meet					
140	LKD	11.08	9.08	99.49	19.49	Meet					
141	LKD	11.17	9.17	99.62	19.62	Meet					
142	LKD	10.24	8.24	98.85	18.85	Meet					
143	Bedroom	6.30	5.30	98.81	18.81	Meet					
144	LKD	4.63	2.63	97.83	17.83	Meet					
145	Bedroom	10.78	9.78	99.38	19.38	Meet					
146	LKD	9.55	7.55	98.98	18.98	Meet	67	42	23	18	TRUE
147	Bedroom	11.77	10.77	99.89	19.89	Meet					
148	Bedroom	11.77	10.77	99.57	19.57	Meet					
149	LKD	9.21	7.21	99.01	19.01	Meet	90	65	28	23	TRUE
150	Bedroom	9.86	8.86	99.66	19.66	Meet					
151	LKD	3.86	1.86	97.52	17.52	Meet					
152	Bedroom	8.01	7.01	98.84	18.84	Meet					
153	Bedroom	11.61	10.61	99.88	19.88	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
11F											
154	Bedroom	9.44	8.44	98.81	18.81	Meet					
155	Bedroom	10.80	9.80	99.67	19.67	Meet					
156	LKD	11.41	9.41	99.54	19.54	Meet					
157	LKD	11.50	9.50	99.71	19.71	Meet					
158	LKD	10.24	8.24	98.81	18.81	Meet					
159	Bedroom	6.30	5.30	98.81	18.81	Meet					
160	LKD	4.63	2.63	97.83	17.83	Meet					
161	Bedroom	10.78	9.78	99.38	19.38	Meet					
162	LKD	9.55	7.55	99.02	19.02	Meet	67	42	23	18	TRUE
163	Bedroom	11.77	10.77	99.89	19.89	Meet					
164	Bedroom	11.77	10.77	99.57	19.57	Meet					
165	LKD	9.38	7.38	99.2	19.2	Meet	90	65	28	23	TRUE
166	Bedroom	9.98	8.98	99.67	19.67	Meet					
167	LKD	3.90	1.90	97.52	17.52	Meet					
168	Bedroom	8.07	7.07	98.8	18.8	Meet					
169	Bedroom	11.53	10.53	99.88	19.88	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
12F											
170	Bedroom	8.91	7.91	98.78	18.78	Meet					
171	Bedroom	10.18	9.18	99.57	19.57	Meet					
172	LKD	13.49	11.49	99.81	19.81	Meet					
173	LKD	13.80	11.80	99.98	19.98	Meet					
174	LKD	10.24	8.24	98.85	18.85	Meet					
175	Bedroom	6.30	5.30	98.81	18.81	Meet					
176	LKD	6.05	4.05	99.13	19.13	Meet					
177	Bedroom	10.78	9.78	99.38	19.38	Meet					
178	LKD	12.88	10.88	99.92	19.92	Meet	67	42	23	18	TRUE
179	Bedroom	11.76	10.76	99.89	19.89	Meet					
180	Bedroom	11.76	10.76	99.57	19.57	Meet					
181	LKD	12.23	10.23	99.92	19.92	Meet	89	64	28	23	TRUE
182	Bedroom	9.40	8.40	99.66	19.66	Meet					
183	LKD	5.65	3.65	99.06	19.06	Meet					
184	Bedroom	7.63	6.63	98.8	18.8	Meet					
185	Bedroom	11.53	10.53	99.89	19.89	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
13F											
186	Bedroom	9.52	8.52	98.81	18.81	Meet					
187	Bedroom	10.95	9.95	99.67	19.67	Meet					
188	LKD	13.32	11.32	99.81	19.81	Meet					
189	LKD	13.80	11.80	99.98	19.98	Meet					
190	LKD	10.24	8.24	98.85	18.85	Meet					
191	Bedroom	6.30	5.30	98.81	18.81	Meet					
192	LKD	6.14	4.14	99.13	19.13	Meet					
193	Bedroom	10.78	9.78	99.38	19.38	Meet					
194	LKD	12.88	10.88	99.92	19.92	Meet	67	42	23	18	TRUE
195	Bedroom	11.76	10.76	99.89	19.89	Meet					
196	Bedroom	11.76	10.76	99.57	19.57	Meet					
197	LKD	12.50	10.50	99.93	19.93	Meet	91	66	28	23	TRUE
198	Bedroom	10.11	9.11	99.67	19.67	Meet					
199	LKD	6.05	4.05	99.12	19.12	Meet					
200	Bedroom	8.18	7.18	98.84	18.84	Meet					
201	Bedroom	11.53	10.53	99.88	19.88	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
14F											
202	Bedroom	9.65	8.65	98.81	18.81	Meet					
203	Bedroom	11.04	10.04	99.67	19.67	Meet					
204	LKD	10.89	8.89	98.86	18.86	Meet					
205	LKD	10.89	8.89	99.68	19.68	Meet					
206	LKD	10.24	8.24	98.85	18.85	Meet					
207	Bedroom	6.30	5.30	98.81	18.81	Meet					
208	LKD	4.17	2.17	93.66	13.66	Meet					
209	Bedroom	10.78	9.78	99.38	19.38	Meet					
210	LKD	8.98	6.98	98.99	18.99	Meet	67	42	23	18	TRUE
211	Bedroom	11.76	10.76	99.89	19.89	Meet					
212	Bedroom	11.76	10.76	99.57	19.57	Meet					
213	LKD	8.83	6.83	98.92	18.92	Meet	91	66	28	23	TRUE
214	Bedroom	10.15	9.15	99.66	19.66	Meet					
215	LKD	7.45	5.45	93.82	13.82	Meet					
216	Bedroom	8.24	7.24	98.83	18.83	Meet					
217	Bedroom	16.15	15.15	99.89	19.89	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
15F											
218	Bedroom	9.65	8.65	98.81	18.81	Meet					
219	Bedroom	11.11	10.11	99.67	19.67	Meet					
220	LKD	13.39	11.39	99.81	19.81	Meet					
221	LKD	13.80	11.80	99.98	19.98	Meet					
222	LKD	10.24	8.24	98.85	18.85	Meet					
223	Bedroom	6.30	5.30	98.81	18.81	Meet					
224	LKD	7.05	5.05	99.39	19.39	Meet					
225	Bedroom	10.78	9.78	99.38	19.38	Meet					
226	LKD	12.88	10.88	99.92	19.92	Meet	67	42	23	18	TRUE
227	Bedroom	11.76	10.76	99.89	19.89	Meet					
228	Bedroom	11.76	10.76	99.57	19.57	Meet					
229	LKD	12.61	10.61	99.93	19.93	Meet	91	66	28	23	TRUE
230	Bedroom	10.20	9.20	99.66	19.66	Meet					
231	LKD	7.23	5.23	99.12	19.12	Meet					
232	Bedroom	8.30	7.30	98.84	18.84	Meet					
233	Bedroom	11.53	10.53	99.89	19.89	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
16F											
234	Bedroom	9.73	8.73	98.81	18.81	Meet					
235	Bedroom	11.19	10.19	99.67	19.67	Meet					
236	LKD	13.62	11.62	99.86	19.86	Meet					
237	LKD	13.59	11.59	99.98	19.98	Meet					
238	LKD	10.24	8.24	98.85	18.85	Meet					
239	Bedroom	6.30	5.30	98.81	18.81	Meet					
240	LKD	7.16	5.16	99.39	19.39	Meet					
241	Bedroom	10.78	9.78	99.38	19.38	Meet					
242	LKD	12.88	10.88	99.92	19.92	Meet	67	42	23	18	TRUE
243	Bedroom	11.76	10.76	99.89	19.89	Meet					
244	Bedroom	11.76	10.76	99.57	19.57	Meet					
245	LKD	12.66	10.66	99.93	19.93	Meet	92	67	29	24	TRUE
246	Bedroom	10.28	9.28	99.66	19.66	Meet					
247	LKD	6.23	4.23	99.12	19.12	Meet					
248	Bedroom	8.35	7.35	98.84	18.84	Meet					
249	Bedroom	11.53	10.53	99.89	19.89	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	Above/ Below Recommended (%)	Both Meet
17F											
250	Bedroom	9.84	8.84	98.81	18.81	Meet					
251	Bedroom	11.26	10.26	99.67	19.67	Meet					
252	LKD	13.65	11.65	99.98	19.98	Meet					
253	LKD	13.59	11.59	99.98	19.98	Meet					
254	LKD	10.24	8.24	98.85	18.85	Meet					
255	Bedroom	6.30	5.30	98.81	18.81	Meet					
256	LKD	7.05	5.05	99.39	19.39	Meet					
257	Bedroom	10.78	9.78	99.38	19.38	Meet					
258	LKD	12.88	10.88	99.92	19.92	Meet	67	42	23	18	TRUE
259	Bedroom	11.76	10.76	99.89	19.89	Meet					
260	Bedroom	11.76	10.76	99.57	19.57	Meet					
261	LKD	12.71	10.71	99.94	19.94	Meet	92	67	29	24	TRUE
262	Bedroom	10.39	9.39	99.67	19.67	Meet					
263	LKD	6.27	4.27	99.21	19.21	Meet					
264	Bedroom	8.41	7.41	98.84	18.84	Meet					
265	Bedroom	11.53	10.53	99.89	19.89	Meet					

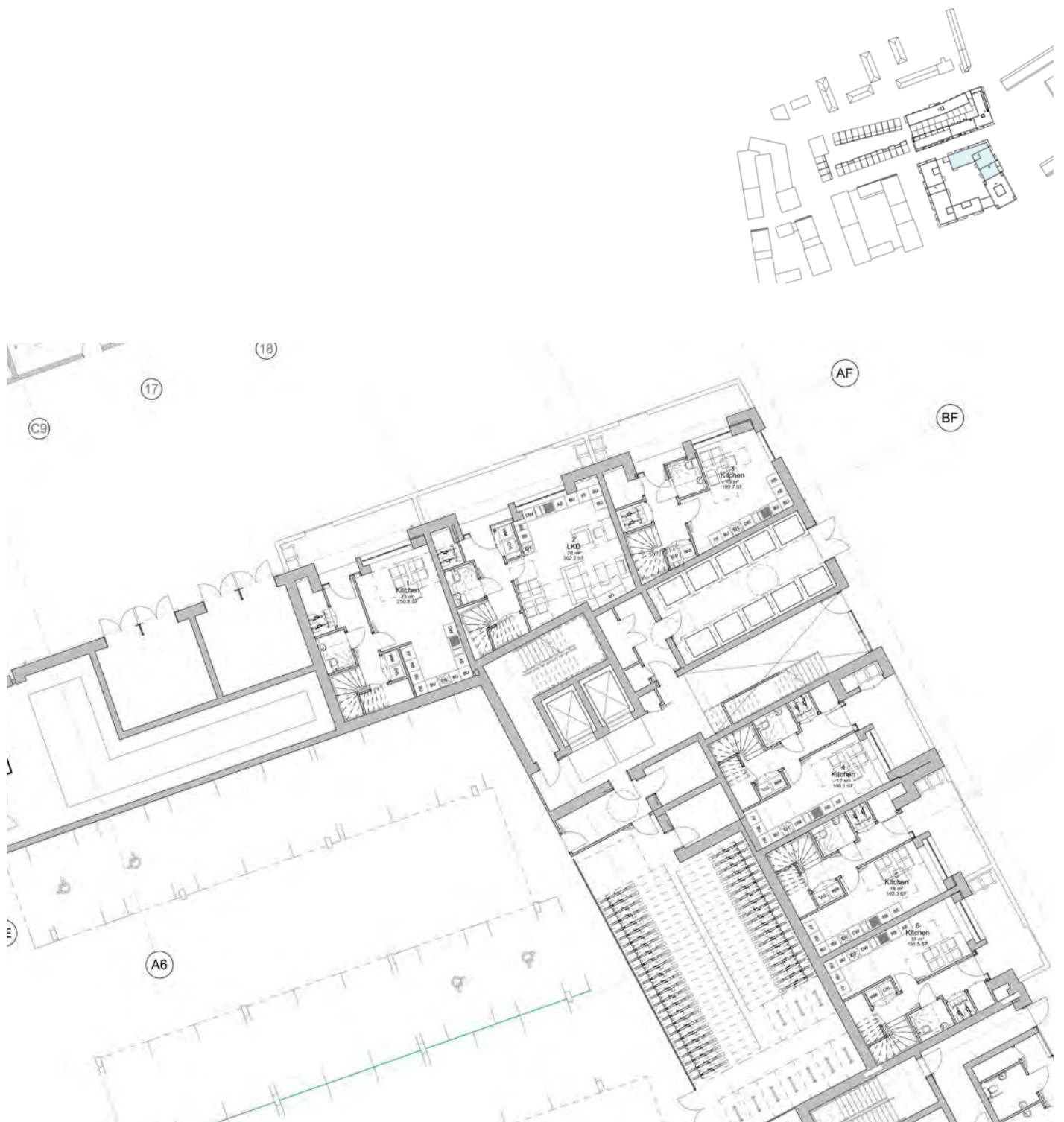
Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	Above/ Below Recommended (%)	Both Meet
18F											
266	Bedroom	9.87	8.87	98.81	18.81	Meet					
267	Bedroom	11.34	10.34	99.67	19.67	Meet					
268	LKD	13.48	11.48	99.86	19.86	Meet					
269	LKD	13.80	11.80	99.98	19.98	Meet					
270	LKD	10.24	8.24	98.85	18.85	Meet					
271	Bedroom	6.30	5.30	98.81	18.81	Meet					
272	LKD	7.05	5.05	99.39	19.39	Meet					
273	Bedroom	10.78	9.78	99.38	19.38	Meet					
274	LKD	12.88	10.88	99.92	19.92	Meet	67	42	23	18	TRUE
275	Bedroom	11.76	10.76	99.89	19.89	Meet					
276	Bedroom	11.76	10.76	99.57	19.57	Meet					
277	LKD	12.76	10.76	99.94	19.94	Meet	92	67	29	24	TRUE
278	Bedroom	10.43	9.43	99.66	19.66	Meet					
279	LKD	6.33	4.33	99.21	19.21	Meet					
280	Bedroom	8.47	7.47	98.84	18.84	Meet					
281	Bedroom	11.53	10.53	99.89	19.89	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
19F											
282	Bedroom	10.01	9.01	98.81	18.81	Meet					
283	Bedroom	11.41	10.41	99.67	19.67	Meet					
284	LKD	13.71	11.71	99.86	19.86	Meet					
285	LKD	13.80	11.80	99.98	19.98	Meet					
286	LKD	10.24	8.24	98.85	18.85	Meet					
287	Bedroom	6.30	5.30	98.81	18.81	Meet					
288	LKD	7.16	5.16	99.39	19.39	Meet					
289	Bedroom	10.78	9.78	99.38	19.38	Meet					
290	LKD	12.88	10.88	99.92	19.92	Meet	67	42	23	18	TRUE
291	Bedroom	11.76	10.76	99.89	19.89	Meet					
292	Bedroom	11.76	10.76	99.57	19.57	Meet					
293	LKD	12.81	10.81	99.94	19.94	Meet	93	68	30	25	TRUE
294	Bedroom	10.52	9.52	99.66	19.66	Meet					
295	LKD	5.62	3.62	98.92	18.92	Meet					
296	Bedroom	8.55	7.55	98.84	18.84	Meet					
297	Bedroom	11.53	10.53	99.89	19.89	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
20F											
298	Bedroom	9.42	8.42	98.78	18.78	Meet					
299	Bedroom	10.74	9.74	99.57	19.57	Meet					
300	LKD	13.74	11.74	99.86	19.86	Meet					
301	LKD	13.80	11.80	99.98	19.98	Meet					
302	LKD	10.24	8.24	98.85	18.85	Meet					
303	Bedroom	6.30	5.30	98.81	18.81	Meet					
304	LKD	8.26	6.26	99.39	19.39	Meet					
305	Bedroom	10.78	9.78	99.38	19.38	Meet					
306	LKD	12.88	10.88	99.92	19.92	Meet	67	42	23	18	TRUE
307	Bedroom	11.76	10.76	99.89	19.89	Meet					
308	Bedroom	11.76	10.76	99.57	19.57	Meet					
309	LKD	12.62	10.62	99.98	19.98	Meet	92	67	30	25	TRUE
310	Bedroom	10.01	9.01	99.66	19.66	Meet					
311	LKD	7.41	5.41	99.15	19.15	Meet					
312	Bedroom	8.13	7.13	98.8	18.8	Meet					
313	Bedroom	11.53	10.53	99.89	19.89	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
21F											
314	Bedroom	10.21	9.21	98.81	18.81	Meet					
315	Bedroom	11.53	10.53	99.67	19.67	Meet					
316	LKD	13.76	11.76	99.86	19.86	Meet					
317	LKD	13.80	11.80	99.98	19.98	Meet					
318	LKD	10.25	8.25	98.86	18.86	Meet					
319	Bedroom	6.30	5.30	98.81	18.81	Meet					
320	LKD	7.05	5.05	99.39	19.39	Meet					
321	Bedroom	10.79	9.79	99.38	19.38	Meet					
322	LKD	12.88	10.88	99.92	19.92	Meet	67	42	23	18	TRUE
323	Bedroom	11.76	10.76	99.89	19.89	Meet					
324	Bedroom	11.76	10.76	99.57	19.57	Meet					
325	LKD	12.89	10.89	99.94	19.94	Meet	93	68	30	25	TRUE
326	Bedroom	10.82	9.82	99.66	19.66	Meet					
327	LKD	7.87	5.87	99.21	19.21	Meet					
328	Bedroom	8.95	7.95	98.84	18.84	Meet					
329	Bedroom	11.53	10.53	99.89	19.89	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
22F											
330	Bedroom	10.31	9.31	98.81	18.81	Meet					
331	Bedroom	11.53	10.53	99.67	19.67	Meet					
332	LKD	13.81	11.81	99.86	19.86	Meet					
333	LKD	13.60	11.60	99.98	19.98	Meet					
334	LKD	10.29	8.29	98.93	18.93	Meet					
335	Bedroom	6.30	5.30	98.81	18.81	Meet					
336	LKD	7.05	5.05	99.39	19.39	Meet					
337	Bedroom	10.86	9.86	99.38	19.38	Meet					
338	LKD	12.88	10.88	99.92	19.92	Meet	67	42	23	18	TRUE
339	Bedroom	11.76	10.76	99.89	19.89	Meet					
340	Bedroom	11.76	10.76	99.57	19.57	Meet					
341	LKD	12.99	10.99	99.49	19.49	Meet	93	68	30	25	TRUE
342	Bedroom	10.92	9.92	99.67	19.67	Meet					
343	LKD	6.74	4.74	99.12	19.12	Meet					
344	Bedroom	9.06	8.06	98.84	18.84	Meet					
345	Bedroom	11.53	10.53	99.89	19.89	Meet					



S04 - Block B - Level 0



S04 - Block B - Level 1



S04 - Block B - Level 2



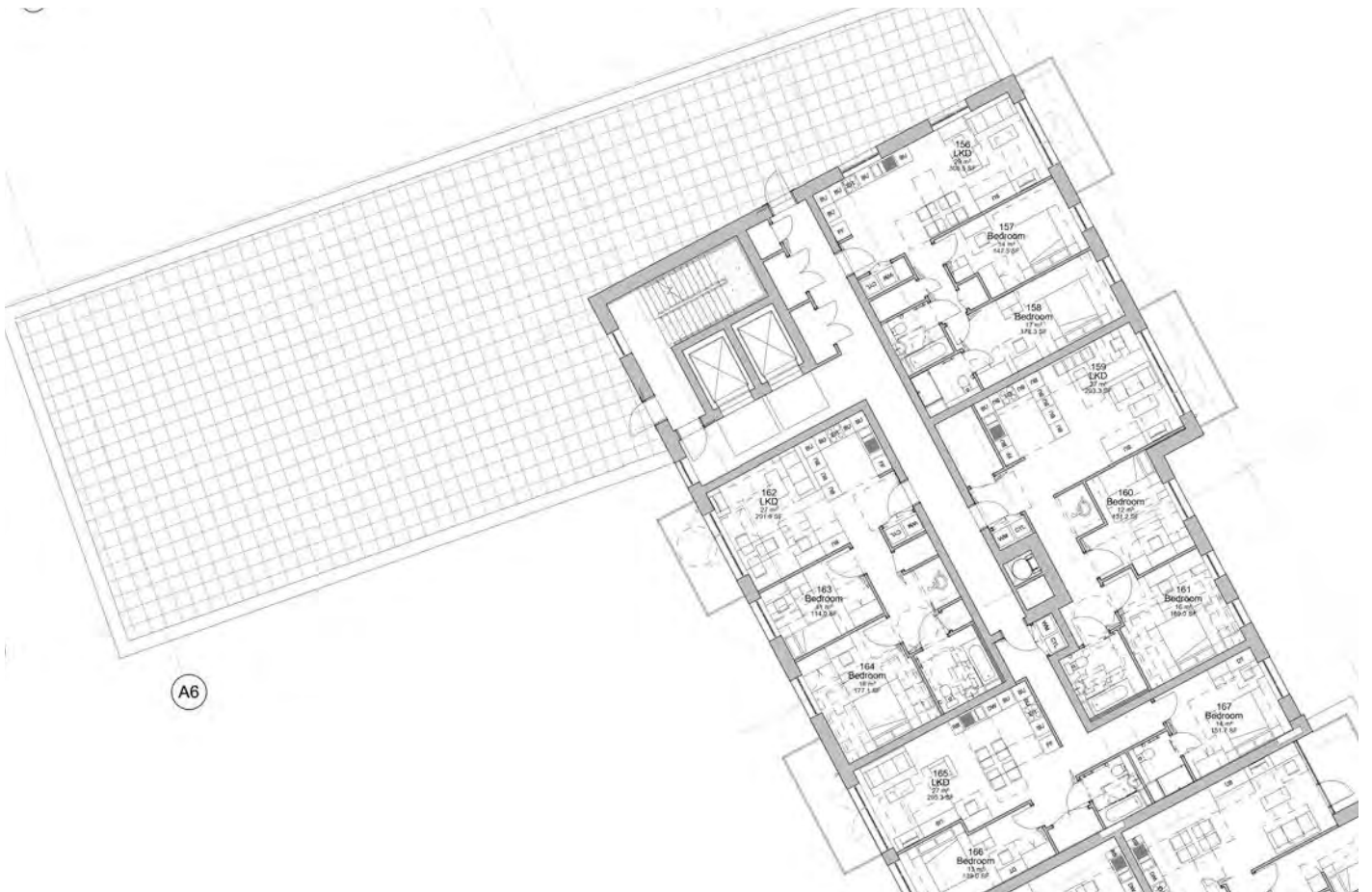
S04 - Block B - Level 3



S04 - Block B - Level 4



S04 - Block B - Level 5



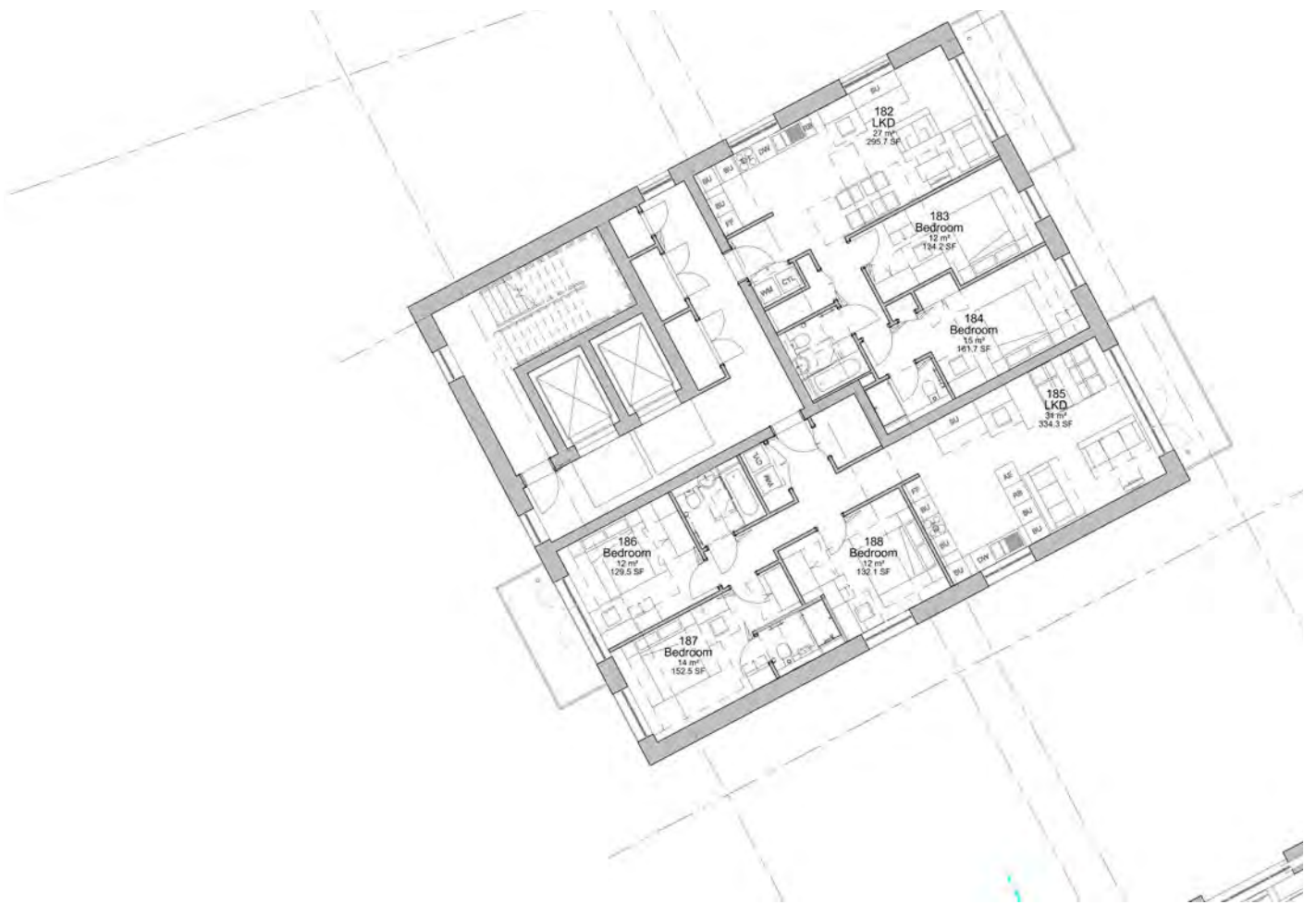
S04 - Block B - Level 6



S04 - Block B - Level 7



S04 - Block B - Level 8



S04 - Block B - Level 9

Table 22. Daylight and Sunlight Assessment: Impact on the proposed buildings - S04 - Block B

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
0F											
1	Kitchen	1.96	-0.04	95.58	15.58	No					
2	LKD	1.87	-0.13	95.62	15.62	Meet					
3	Kitchen	3.05	1.05	99.25	19.25	Meet					
4	Kitchen	1.32	-0.68	98.60	18.60	No					
5	Kitchen	1.90	-0.10	99.33	19.33	No					
6	Kitchen	2.01	0.01	99.23	19.23	No					
1F											
7	Livingroom	0.84	-0.66	52.22	-27.78	Meet	5	-20	4	-1	FALSE
8	Bedroom	0.69	-0.31	36.13	-43.87	Meet					
9	Bedroom	4.91	3.91	99.21	19.21	Meet					
10	Bedroom	1.31	0.31	96.74	16.74	Meet					
11	LKD	1.19	-0.81	74.18	-5.82	Meet	25	0	6	1	TRUE
12	Bedroom	1.97	0.97	97.82	17.82	Meet					
13	Bedroom	1.92	0.92	97.79	17.79	Meet					
14	Bedroom	1.46	0.46	98.68	18.68	Meet					
15	Bedroom	5.21	4.21	99.71	19.71	Meet					
16	Livingroom	1.74	0.24	88.64	8.64	Meet	28	3	8	3	TRUE
17	Bedroom	0.99	-0.01	87.70	7.70	Meet					
18	Bedroom	1.94	0.94	92.50	12.50	Meet					
19	Bedroom	2.44	1.44	97.25	17.25	Meet					
20	Bedroom	2.92	1.92	97.86	17.86	Meet					
21	Livingroom	3.23	1.73	99.50	19.50	Meet					
22	Bedroom	0.85	-0.15	98.68	18.68	Meet					
23	Bedroom	0.90	-0.10	98.89	18.89	Meet					
24	Bedroom	0.13	-0.87	35.49	-44.51	Meet					
25	Bedroom	0.48	-0.52	88.88	8.88	Meet					
26	Bedroom	0.71	-0.29	99.61	19.61	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
27	Livingroom	1.59	0.09	85.07	5.07	Meet					
28	Bedroom	0.63	-0.37	54.21	-25.79	Meet					
29	Bedroom	1.42	0.42	98.35	18.35	Meet					
30	Bedroom	1.82	0.82	99.68	19.68	Meet					
32	Livingroom	0.79	-0.71	67.28	-12.72	Meet					
33	Bedroom	1.87	0.87	99.77	19.77	Meet					
34	Bedroom	1.53	0.53	98.28	18.28	Meet					
35	Bedroom	0.60	-0.40	46.25	-33.75	Meet					
2F											
36	LKD	1.06	-0.94	52.22	-27.78	Meet	9	-16	5	0	FALSE
37	Bedroom	0.98	-0.02	75.34	-4.66	Meet					
38	Bedroom	1.19	0.19	82.44	2.44	Meet					
39	LKD	2.56	0.56	99.47	19.47	Meet					
40	Bedroom	1.98	0.98	93.16	13.16	Meet					
41	Bedroom	2.44	1.44	98.40	18.40	Meet					
42	LKD	1.80	-0.20	97.39	17.39	Meet					
43	Bedroom	0.27	-0.73	78.01	-1.99	Meet					
44	Bedroom	0.36	-0.64	77.71	-2.29	Meet					
45	Bedroom	1.80	0.80	95.21	15.21	Meet					
46	Bedroom	2.10	1.10	98.77	18.77	Meet					
47	LKD	1.86	-0.14	99.31	19.31	Meet					
48	LKD	1.38	-0.62	99.82	19.82	Meet					
49	Bedroom	1.00	0.00	96.52	16.52	Meet					
50	Bedroom	0.93	-0.07	97.44	17.44	Meet					
51	LKD	1.87	-0.13	99.89	19.89	Meet					
52	Bedroom	1.41	0.41	93.46	13.46	Meet					
53	Bedroom	2.05	1.05	98.34	18.34	Meet					
54	LKD	0.49	-1.51	54.45	-25.55	Meet					
55	Bedroom	1.29	0.29	79.64	-0.36	Meet					

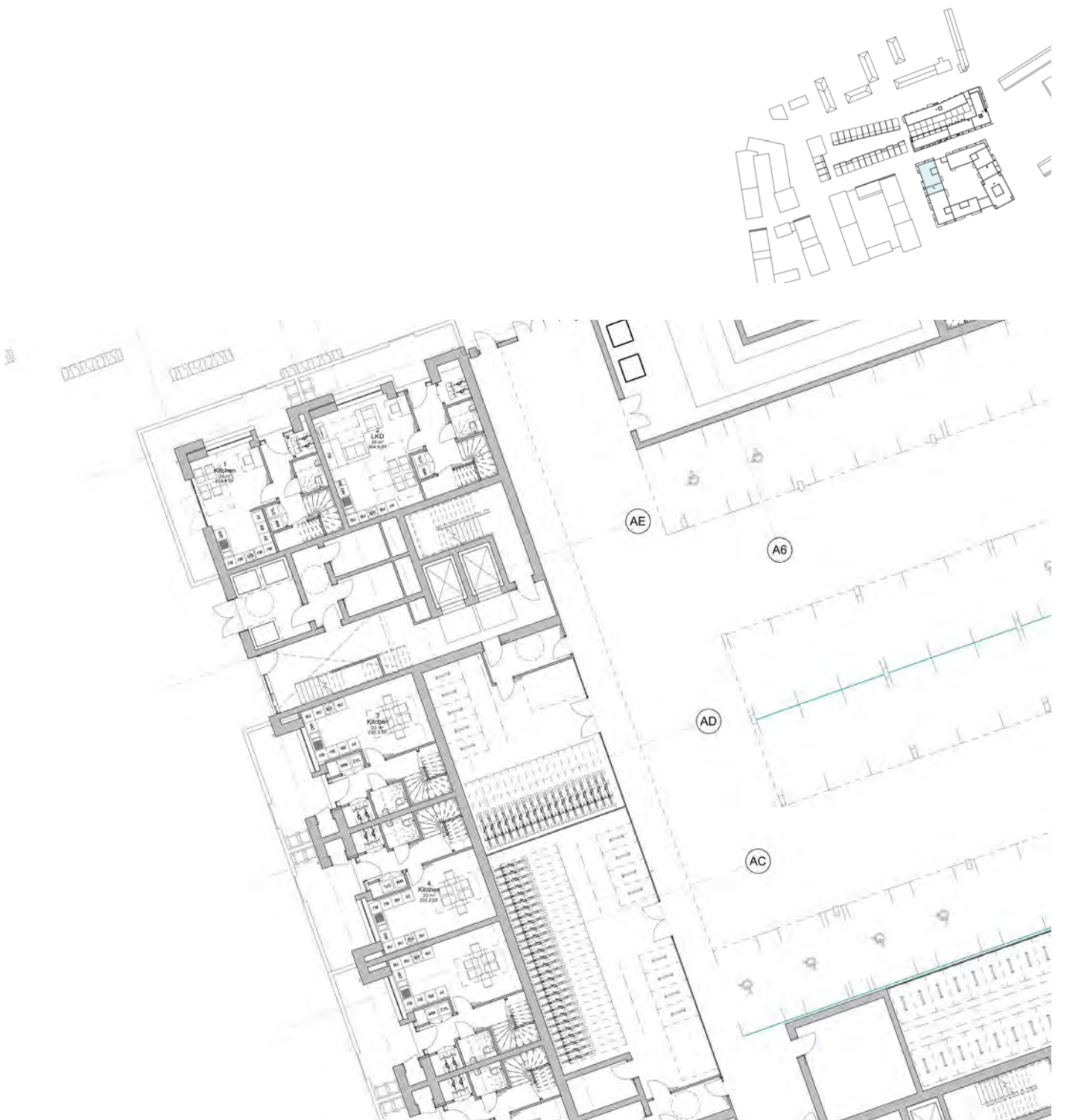
Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	bove/Below Recommended (%)	Both Meet
56	Bedroom	0.95	-0.05	59.02	-20.98	Meet					
57	LKD	0.55	-1.45	58.64	-21.36	Meet					
58	Bedroom	0.99	-0.01	79.68	-0.32	Meet					
59	Bedroom	1.76	0.76	97.63	17.63	Meet					TRUE
3F											
84	LKD	1.43	-0.57	72.37	-7.63	Meet	14	-11	7	2	FALSE
85	Bedroom	1.06	0.06	83.36	3.36	Meet					
86	Bedroom	1.26	0.26	86.92	6.92	Meet					
87	LKD	2.63	0.63	99.48	19.48	Meet					
88	Bedroom	2.02	1.02	93.50	13.50	Meet					
89	Bedroom	2.48	1.48	98.40	18.40	Meet					
90	LKD	1.84	-0.16	97.39	17.39	Meet					
91	Bedroom	0.29	-0.71	79.32	-0.68	Meet					
92	Bedroom	0.38	-0.62	86.51	6.51	Meet					
93	Bedroom	1.83	0.83	95.35	15.35	Meet					
94	Bedroom	2.14	1.14	98.76	18.76	Meet					
95	LKD	1.90	-0.10	99.31	19.31	Meet					
96	LKD	1.42	-0.58	99.85	19.85	Meet					
97	Bedroom	1.03	0.03	96.56	16.56	Meet					
98	Bedroom	0.95	-0.05	97.44	17.44	Meet					
99	LKD	1.92	-0.08	99.95	19.95	Meet					
100	Bedroom	1.43	0.43	93.46	13.46	Meet					
101	Bedroom	2.09	1.09	98.35	18.35	Meet					
102	LKD	0.61	-1.39	64.59	-15.41	Meet					
103	Bedroom	1.39	0.39	89.75	9.75	Meet					
104	Bedroom	1.03	0.03	68.17	-11.83	Meet					
105	LKD	0.67	-1.33	71.98	-8.02	Meet					
106	Bedroom	1.08	0.08	84.23	4.23	Meet					
107	Bedroom	1.80	0.80	97.63	17.63	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
4F											
108	LKD	1.62	-0.38	96.07	16.07	Meet	19	-6	9	4	FALSE
109	Bedroom	1.15	0.15	83.48	3.48	Meet					
110	Bedroom	1.35	0.35	86.93	6.93	Meet					
111	LKD	2.73	0.73	99.48	19.48	Meet					
112	Bedroom	2.05	1.05	93.51	13.51	Meet					
113	Bedroom	2.51	1.51	98.40	18.40	Meet					
114	LKD	1.86	-0.14	97.20	17.20	Meet					
115	Bedroom	0.35	-0.65	80.28	0.28	Meet					
116	Bedroom	0.49	-0.51	95.85	15.85	Meet					
117	Bedroom	1.86	0.86	95.36	15.36	Meet					
118	Bedroom	2.16	1.16	98.76	18.76	Meet					
119	LKD	1.93	-0.07	99.31	19.31	Meet					
120	LKD	1.45	-0.55	99.85	19.85	Meet					
121	Bedroom	1.04	0.04	96.56	16.56	Meet					
122	Bedroom	0.97	-0.03	97.44	17.44	Meet					
123	LKD	1.96	-0.04	99.95	19.95	Meet					
124	Bedroom	1.45	0.45	93.46	13.46	Meet					
125	Bedroom	2.12	1.12	98.35	18.35	Meet					
126	LKD	0.74	-1.26	77.53	-2.47	Meet					
127	Bedroom	1.49	0.49	95.93	15.93	Meet					
128	Bedroom	1.14	0.14	84.81	4.81	Meet					
129	LKD	0.84	-1.16	82.04	2.04	Meet					
130	Bedroom	1.18	0.18	86.59	6.59	Meet					
131	Bedroom	1.82	0.82	97.63	17.63	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
5F											
132	LKD	2.68	0.68	98.72	18.72	Meet	46	21	12	7	TRUE
133	Bedroom	1.23	0.23	83.73	3.73	Meet					
134	Bedroom	1.42	0.42	86.93	6.93	Meet					
135	LKD	4.13	2.13	99.57	19.57	Meet					
136	Bedroom	2.07	1.07	93.56	13.56	Meet					
137	Bedroom	2.53	1.53	98.40	18.40	Meet					
138	LKD	3.10	1.10	97.69	17.69	Meet					
139	Bedroom	0.41	-0.59	80.33	0.33	Meet					
140	Bedroom	0.57	-0.43	95.94	15.94	Meet					
141	Bedroom	1.91	0.91	95.42	15.42	Meet					
142	Bedroom	2.17	1.17	98.77	18.77	Meet					
143	LKD	1.94	-0.06	99.31	19.31	Meet					
144	LKD	1.58	-0.42	99.85	19.85	Meet					
145	Bedroom	0.95	-0.05	96.59	16.59	Meet					
146	Bedroom	0.86	-0.14	97.43	17.43	Meet					
147	LKD	2.14	0.14	99.89	19.89	Meet					
148	Bedroom	1.48	0.48	94.07	14.07	Meet					
149	Bedroom	1.88	0.88	98.35	18.35	Meet					
150	LKD	1.09	-0.91	95.22	15.22	Meet					
151	Bedroom	1.44	0.44	97.11	17.11	Meet					
152	Bedroom	1.13	0.13	90.91	10.91	Meet					
153	LKD	1.21	-0.79	84.74	4.74	Meet					
154	Bedroom	1.16	0.16	88.95	8.95	Meet					
155	Bedroom	1.62	0.62	97.63	17.63	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
6F											
156	LKD	7.44	5.44	99.93	19.93	Meet					TRUE
157	Bedroom	2.63	1.63	96.47	16.47	Meet					
158	Bedroom	2.35	1.35	97.44	17.44	Meet					
159	LKD	4.95	2.95	99.90	19.90	Meet					
160	Bedroom	4.29	3.29	93.44	13.44	Meet					
161	Bedroom	5.13	4.13	98.34	18.34	Meet					
162	LKD	3.22	1.22	99.62	19.62	Meet					
163	Bedroom	4.69	3.69	98.03	18.03	Meet					
164	Bedroom	3.41	2.41	95.30	15.30	Meet					
165	LKD	4.91	2.91	90.42	10.42	Meet					
166	Bedroom	3.97	2.97	98.55	18.55	Meet					
167	Bedroom	4.39	3.39	97.62	17.62	Meet					
7F											
168	LKD	7.76	5.76	99.92	19.92	Meet					
169	Bedroom	2.87	1.87	96.82	16.82	Meet					
170	Bedroom	2.54	1.54	94.85	14.85	Meet					
171	LKD	5.05	3.05	99.96	19.96	Meet	27	2	6	1	TRUE
176	Bedroom	7.37	6.37	99.49	19.49	Meet					
177	Bedroom	3.64	2.64	91.88	11.88	Meet					
178	Bedroom	2.35	1.35	55.79	-24.21	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	Above/ Below Recommended (%)	Both Meet
8F											
172	LKD	7.76	5.76	99.92	19.92	Meet					
173	Bedroom	2.90	1.90	96.89	16.89	Meet					
174	Bedroom	2.57	1.57	94.87	14.87	Meet					
175	LKD	5.07	3.07	99.96	19.96	Meet	28	3	7	2	TRUE
179	Bedroom	7.56	6.56	99.49	19.49	Meet					
180	Bedroom	3.77	2.77	92.28	12.28	Meet					
181	Bedroom	2.52	1.52	56.78	-23.22	Meet					
9F											
182	LKD	9.86	7.86	99.93	19.93	Meet					
183	Bedroom	3.20	2.20	96.97	16.97	Meet					
184	Bedroom	2.65	1.65	94.89	14.89	Meet					
185	LKD	7.53	5.53	99.99	19.99	Meet	30	5	7	2	TRUE
186	Bedroom	11.93	10.93	99.49	19.49	Meet					
187	Bedroom	4.18	3.18	92.83	12.83	Meet					
188	Bedroom	2.53	1.53	56.78	-23.22	Meet					





S04 - Block C - Level 1



S04 - Block C - Level 2



S04 - Block C - Level 3



S04 - Block C - Level 4



S04 - Block C - Level 5



S04 - Block C - Level 6

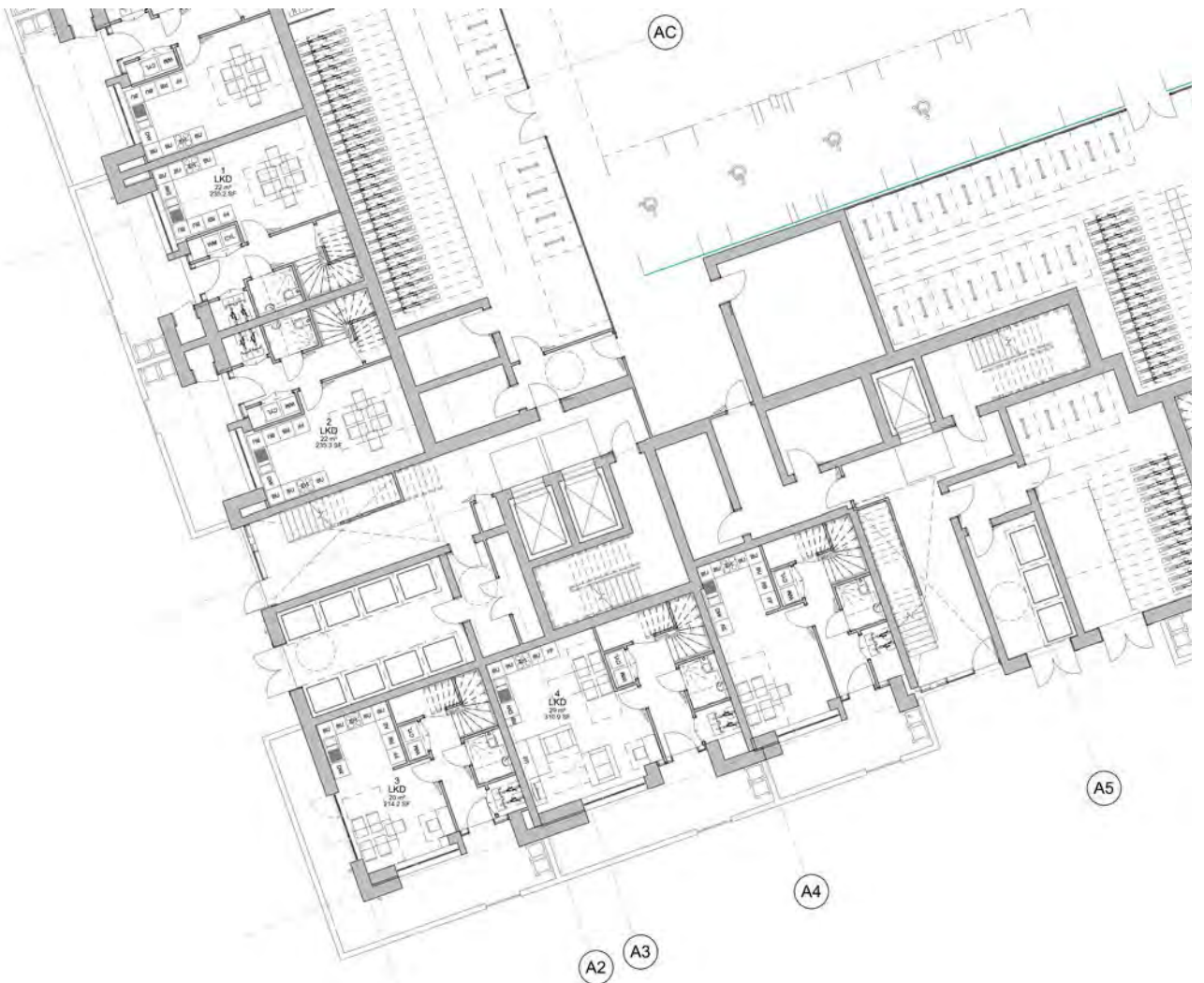
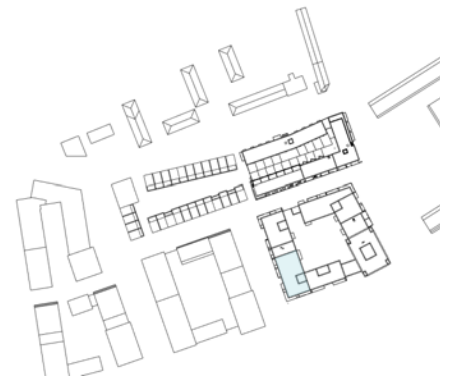
Table 23. Daylight and Sunlight Assessment: Impact on the proposed buildings - S04 - Block C

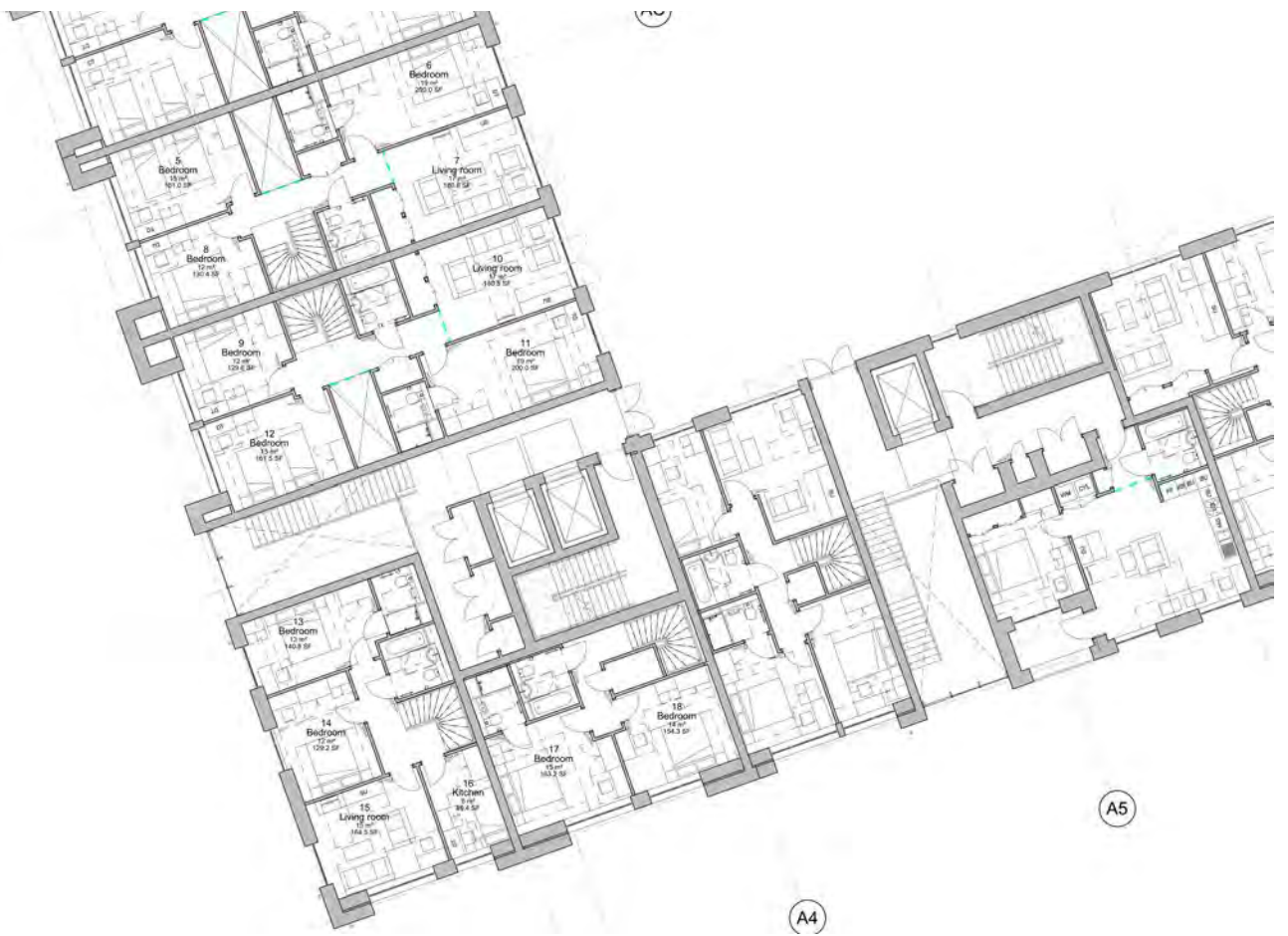
Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
0F											
1	Kitchen	3.39	1.39	99.07	19.07	Meet					
2	LKD	1.77	-0.23	98.03	18.03	Meet					
3	Kitchen	0.74	-1.26	27.17	-52.83	Meet					
4	Kitchen	0.92	-1.08	29.36	-50.64	Meet					
1F											
5	Livingroom	2.59	1.09	98.94	18.94	Meet					
6	Bedroom	1.56	0.56	98.76	18.76	Meet					
7	Bedroom	1.06	0.06	66.79	-13.21	Meet					
8	Bedroom	1.06	0.06	53.30	-26.70	Meet					
9	Bedroom	2.13	1.13	98.35	18.35	Meet					
10	Bedroom	3.12	2.12	94.72	14.72	Meet					
11	Bedroom	0.28	-0.72	42.29	-37.71	Meet					
12	Bedroom	0.29	-0.71	9.90	-70.10	Meet					
13	Bedroom	0.18	-0.82	10.38	-69.62	Meet					
14	Bedroom	1.16	0.16	38.06	-41.94	Meet					
15	Bedroom	0.34	-0.66	30.94	-49.06	Meet					
16	Bedroom	0.14	-0.86	8.75	-71.25	Meet					
17	Livingroom	1.50	0.00	41.13	-38.87	Meet					
18	Bedroom	0.61	-0.39	28.18	-51.82	Meet					

		Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
Room Ref	Room Use	ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	bove/Below Recommended (%)	Both Meet
2F											
19	Bedroom	1.08	0.08	60.23	-19.77	Meet					
20	Bedroom	1.11	0.11	51.44	-28.56	Meet					
21	LKD	2.99	0.99	98.62	18.62	Meet					
22	Bedroom	1.74	0.74	99.17	19.17	Meet					
23	LKD	2.12	0.12	97.77	17.77	Meet					
24	Bedroom	0.98	-0.02	57.57	-22.43	Meet					
25	LKD	0.60	-1.40	52.14	-27.86	Meet					
26	LKD	0.49	-1.51	25.10	-54.90	Meet					
27	Bedroom	0.95	-0.05	52.35	-27.65	Meet					
28	Bedroom	0.81	-0.19	49.51	-30.49	Meet					
29	LKD	0.69	-1.31	40.21	-39.79	Meet					
30	Bedroom	0.65	-0.35	54.46	-25.54	Meet					
3F											
31	Bedroom	1.17	0.17	63.28	-16.72	Meet					
32	Bedroom	1.21	0.21	54.55	-25.45	Meet					
33	LKD	3.22	1.22	98.74	18.74	Meet					
34	Bedroom	1.81	0.81	99.17	19.17	Meet					
35	LKD	2.23	0.23	97.80	17.80	Meet					
36	Bedroom	1.07	0.07	63.27	-16.73	Meet					
37	LKD	0.71	-1.29	58.46	-21.54	Meet					
38	LKD	0.59	-1.41	37.57	-42.43	Meet					
39	Bedroom	0.98	-0.02	67.64	-12.36	Meet					
40	Bedroom	0.82	-0.18	65.37	-14.63	Meet					
41	LKD	1.42	-0.58	65.82	-14.18	Meet					
42	Bedroom	0.71	-0.29	72.38	-7.62	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
4F											
55	Bedroom	1.27	0.27	69.44	-10.56	Meet					
56	Bedroom	1.32	0.32	62.24	-17.76	Meet					
57	LKD	3.47	1.47	98.98	18.98	Meet					
58	Bedroom	1.86	0.86	99.17	19.17	Meet					
59	LKD	2.34	0.34	97.80	17.80	Meet					
60	Bedroom	1.32	0.32	63.45	-16.55	Meet					
61	LKD	1.06	-0.94	52.01	-27.99	Meet	9	-16	3	-2	FALSE
62	LKD	1.19	-0.81	88.69	8.69	Meet	5	-20	3	-2	FALSE
91	Bedroom	0.58	-0.42	53.26	-26.74	Meet					
96	Bedroom	0.44	-0.56	23.05	-56.95	Meet					
5F											
67	Bedroom	1.37	0.37	83.19	3.19	Meet					
68	Bedroom	1.44	0.44	79.28	-0.72	Meet					
69	LKD	3.63	1.63	98.98	18.98	Meet					
70	Bedroom	1.88	0.88	99.17	19.17	Meet					
71	LKD	2.41	0.41	97.81	17.81	Meet					
72	Bedroom	1.44	0.44	81.57	1.57	Meet					
73	LKD	1.25	-0.75	56.55	-23.45	Meet	13	-12	3	-2	FALSE
74	LKD	1.61	-0.39	99.41	19.41	Meet	7	-18	3	-2	FALSE
92	Bedroom	0.69	-0.31	77.46	-2.54	Meet					
97	Bedroom	0.52	-0.48	25.79	-54.21	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
6F											
79	Bedroom	1.46	0.46	94.29	14.29	Meet					
80	Bedroom	1.66	0.66	95.99	15.99	Meet					
81	LKD	4.80	2.80	99.27	19.27	Meet					
82	Bedroom	1.90	0.90	99.17	19.17	Meet					
83	LKD	3.38	1.38	98.28	18.28	Meet					
84	Bedroom	1.56	0.56	93.46	13.46	Meet					
85	LKD	2.20	0.20	84.48	4.48	Meet	30	5	3	-2	FALSE
86	LKD	3.06	1.06	99.46	19.46	Meet	16	-9	4	-1	FALSE
93	Bedroom	1.25	0.25	96.22	16.22	Meet					
94	Bedroom	0.61	-0.39	26.64	-53.36	Meet					





S04 - Block D - Level 1



S04 - Block D - Level 2



S04 - Block D - Level 3



S04 - Block D - Level 4



S04 - Block D - Level 5



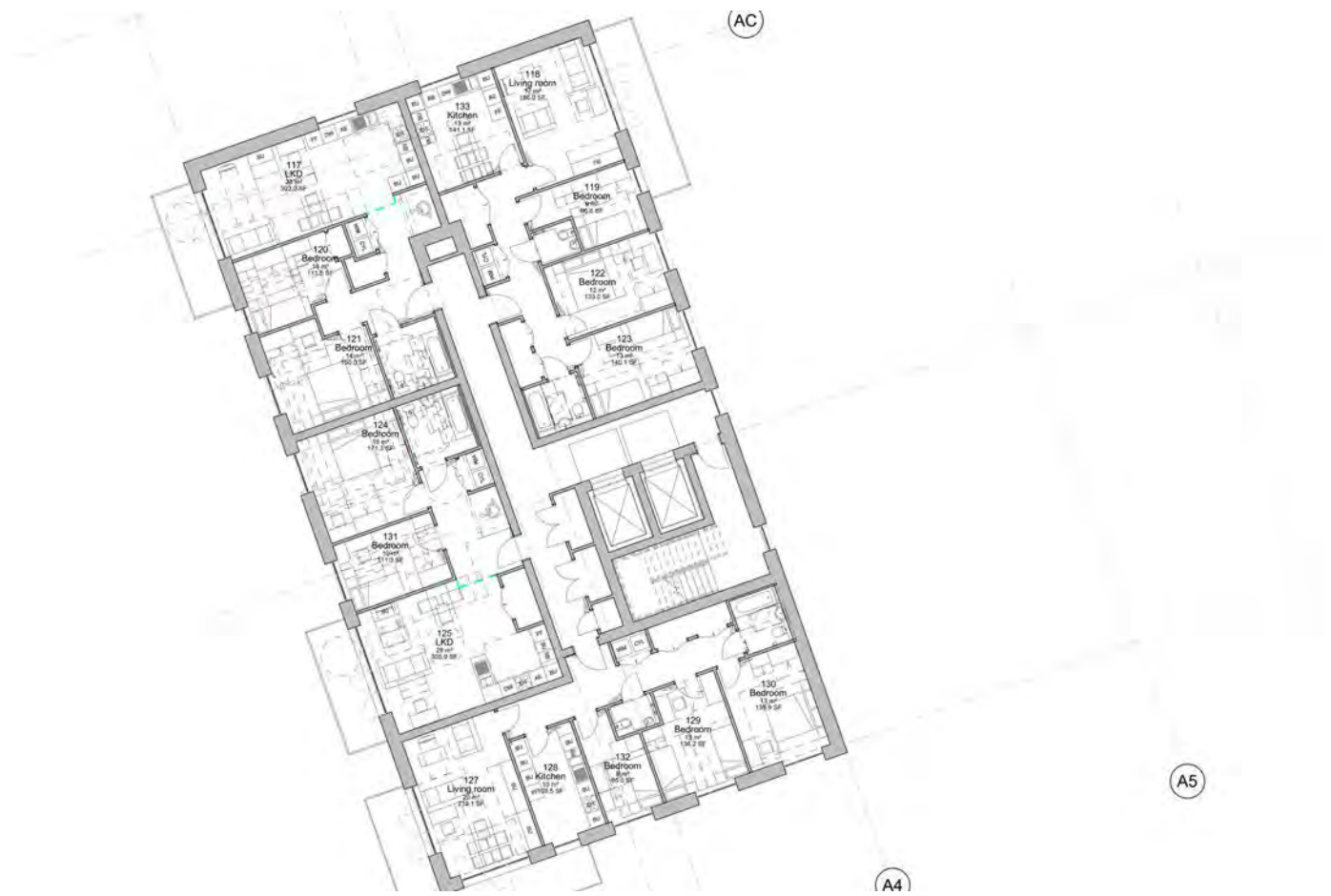
S04 - Block D - Level 6



S04 - Block D - Level 7



S04 - Block D - Level 8



S04 - Block D - Level 9

Table 24. Daylight and Sunlight Assessment: Impact on the proposed buildings - SO4 - Block D

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
0F											
1	LKD	0.78	-1.22	29.55	-50.45	Meet					
2	LKD	0.94	-1.06	30.20	-49.80	Meet					
3	LKD	3.55	1.55	99.17	19.17	Meet	62	37	24	19	TRUE
4	LKD	2.06	0.06	98.13	18.13	Meet	61	36	23	18	TRUE
1F											
5	Bedroom	0.24	-0.76	12.08	-67.92	Meet					
6	Bedroom	0.12	-0.88	10.10	-69.90	Meet					
7	Living room	0.61	-0.89	26.84	-53.16	Meet					
8	Bedroom	0.18	-0.82	21.06	-58.94	Meet					
9	Bedroom	0.38	-0.62	31.47	-48.53	Meet					
10	Living room	1.31	-0.19	36.70	-43.30	Meet					
11	Bedroom	0.53	-0.47	24.19	-55.81	Meet					
12	Bedroom	0.32	-0.68	25.92	-54.08	Meet					
13	Bedroom	0.43	-0.57	28.58	-51.42	Meet					
14	Bedroom	0.54	-0.46	38.49	-41.51	Meet					
15	Living room	5.21	3.71	99.17	19.17	Meet	28	3	23	18	TRUE
16	Kitchen	1.36	-0.64	95.53	15.53	Meet					
17	Bedroom	2.50	1.50	97.73	17.73	Meet					
18	Bedroom	1.88	0.88	92.28	12.28	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
2F											
19	LKD	0.64	-1.36	33.01	-46.99	Meet					
20	LKD	0.61	-1.39	25.21	-54.79	Meet					
22	Bedroom	0.63	-0.37	48.67	-31.33	Meet					
23	Bedroom	1.01	0.01	71.40	-8.60	Meet					
24	Bedroom	0.84	-0.16	36.04	-43.96	Meet					
25	Bedroom	0.69	-0.31	38.40	-41.60	Meet					
26	Bedroom	0.96	-0.04	64.04	-15.96	Meet					
27	LKD	0.82	-1.18	46.63	-33.37	Meet					
29	Living room	1.98	0.48	99.55	19.55	Meet	28	3	23	18	TRUE
30	Kitchen	0.95	-1.05	96.74	16.74	Meet					
31	Bedroom	2.00	1.00	97.90	17.90	Meet					
32	Bedroom	1.91	0.91	98.00	18.00	Meet					
147	Bedroom	1.15	0.15	71.77	-8.23	Meet					
148	Bedroom	2.43	1.43	99.43	19.43	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
3F											
33	LKD	0.73	-1.27	58.98	-21.02	Meet					
34	LKD	0.59	-1.41	40.55	-39.45	Meet					
36	Bedroom	0.68	-0.32	56.20	-23.80	Meet					
37	Bedroom	1.09	0.09	85.07	5.07	Meet					
38	Bedroom	0.89	-0.11	44.48	-35.52	Meet					
39	Bedroom	0.75	-0.25	48.67	-31.33	Meet					
40	Bedroom	1.02	0.02	79.95	-0.05	Meet					
41	LKD	0.92	-1.08	77.34	-2.66	Meet					
43	Living room	2.05	0.55	99.96	19.96	Meet	29	4	23	18	TRUE
44	Kitchen	0.95	-1.05	96.72	16.72	Meet					
45	Bedroom	2.00	1.00	97.90	17.90	Meet					
46	Bedroom	1.92	0.92	98.00	18.00	Meet					
145	Bedroom	2.43	1.43	99.43	19.43	Meet					
146	Bedroom	1.23	0.23	82.31	2.31	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
4F											
47	LKD	1.23	-0.77	97.39	17.39	Meet					
48	Living room	1.11	-0.39	95.34	15.34	Meet					
49	Bedroom	0.39	-0.61	64.21	-15.79	Meet					
50	Bedroom	0.73	-0.27	57.02	-22.98	Meet					
51	Bedroom	1.15	0.15	86.26	6.26	Meet					
52	Bedroom	1.03	0.03	81.96	1.96	Meet					
53	Bedroom	0.97	-0.03	72.56	-7.44	Meet					
54	Bedroom	1.08	0.08	86.84	6.84	Meet					
55	LKD	1.02	-0.98	90.02	10.02	Meet					
57	Living room	2.11	0.61	99.96	19.96	Meet	30	5	23	18	TRUE
58	Kitchen	0.95	-1.05	96.73	16.73	Meet					
59	Bedroom	2.00	1.00	97.90	17.90	Meet					
60	Bedroom	1.94	0.94	98.00	18.00	Meet					
143	Kitchen	0.70	-1.30	25.14	-54.86	Meet					
144	Bedroom	1.30	0.30	83.15	3.15	Meet					
149	Bedroom	2.43	1.43	99.43	19.43	Meet					

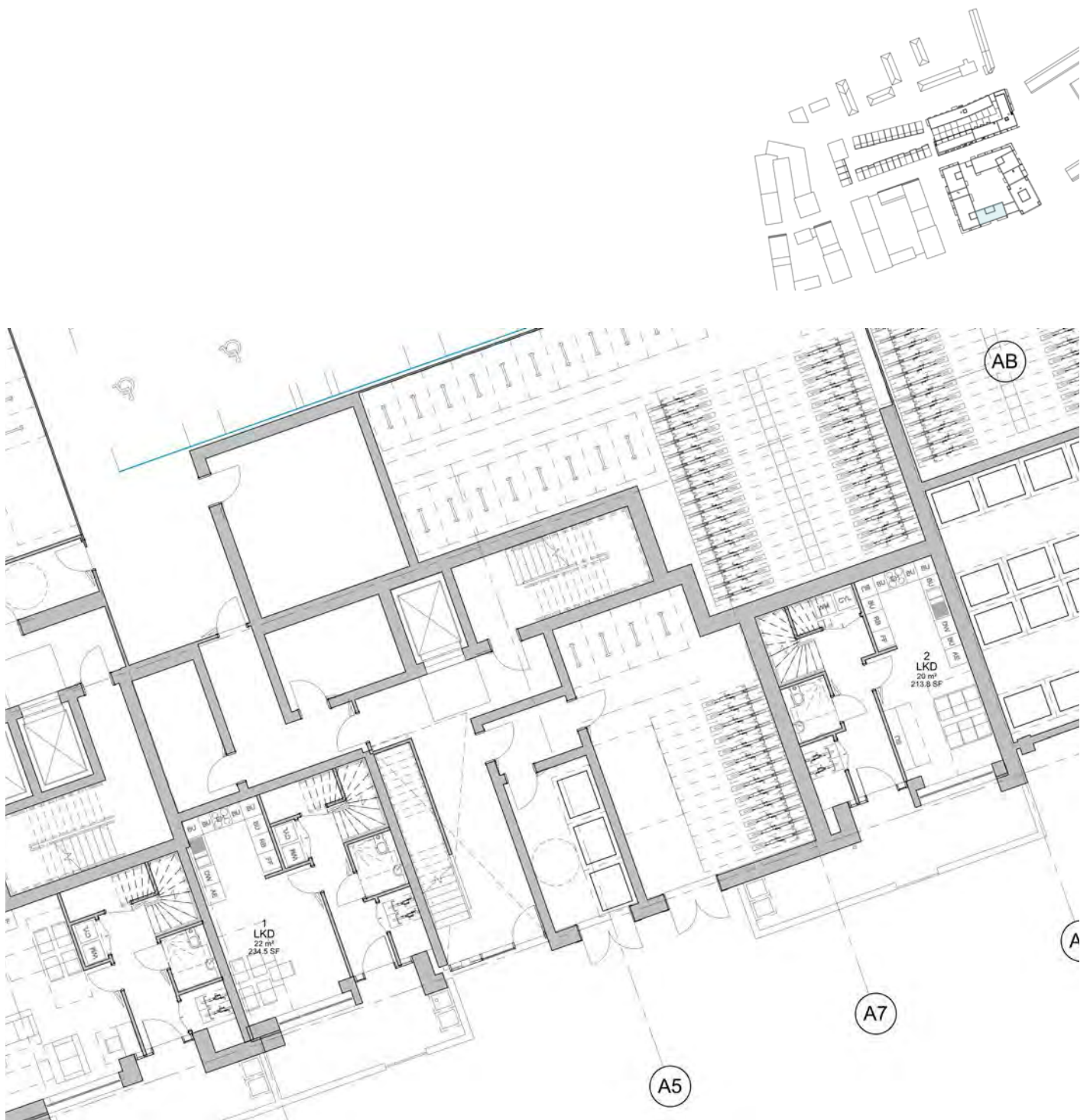
Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
5F											
61	LKD	1.43	-0.57	98.30	18.30	Meet					
62	Living room	1.42	-0.08	98.69	18.69	Meet					
63	Bedroom	0.51	-0.49	67.35	-12.65	Meet					
64	Bedroom	0.78	-0.22	57.18	-22.82	Meet					
65	Bedroom	1.21	0.21	86.45	6.45	Meet					
66	Bedroom	1.17	0.17	85.37	5.37	Meet					
67	Bedroom	1.12	0.12	78.13	-1.87	Meet					
68	Bedroom	1.12	0.12	92.25	12.25	Meet					
69	LKD	1.08	-0.92	91.84	11.84	Meet					
71	Living room	2.14	0.64	99.96	19.96	Meet	31	6	23	18	TRUE
72	Kitchen	0.95	-1.05	96.72	16.72	Meet					
73	Bedroom	2.00	1.00	97.90	17.90	Meet					
74	Bedroom	1.98	0.98	98.19	18.19	Meet					
141	Bedroom	1.35	0.35	81.53	1.53	Meet					
142	Kitchen	0.90	-1.10	33.42	-46.58	Meet					
150	Bedroom	2.43	1.43	99.43	19.43	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
6F											
75	LKD	1.69	-0.31	98.71	18.71	Meet					
76	Living room	1.75	0.25	99.43	19.43	Meet					
77	Bedroom	0.61	-0.39	72.11	-7.89	Meet					
78	Bedroom	0.83	-0.17	57.34	-22.66	Meet					
79	Bedroom	1.26	0.26	86.54	6.54	Meet					
80	Bedroom	1.32	0.32	85.89	5.89	Meet					
81	Bedroom	1.32	0.32	80.70	0.70	Meet					
82	Bedroom	1.17	0.17	92.44	12.44	Meet					
83	LKD	1.14	-0.86	92.34	12.34	Meet					
85	Living room	2.18	0.68	99.96	19.96	Meet	32	7	23	18	TRUE
86	Kitchen	0.95	-1.05	96.73	16.73	Meet					
87	Bedroom	2.00	1.00	97.90	17.90	Meet					
88	Bedroom	2.02	1.02	97.97	17.97	Meet					
139	Bedroom	1.40	0.40	81.76	1.76	Meet					
140	Kitchen	1.20	-0.80	80.94	0.94	Meet					
151	Bedroom	2.43	1.43	99.43	19.43	Meet					

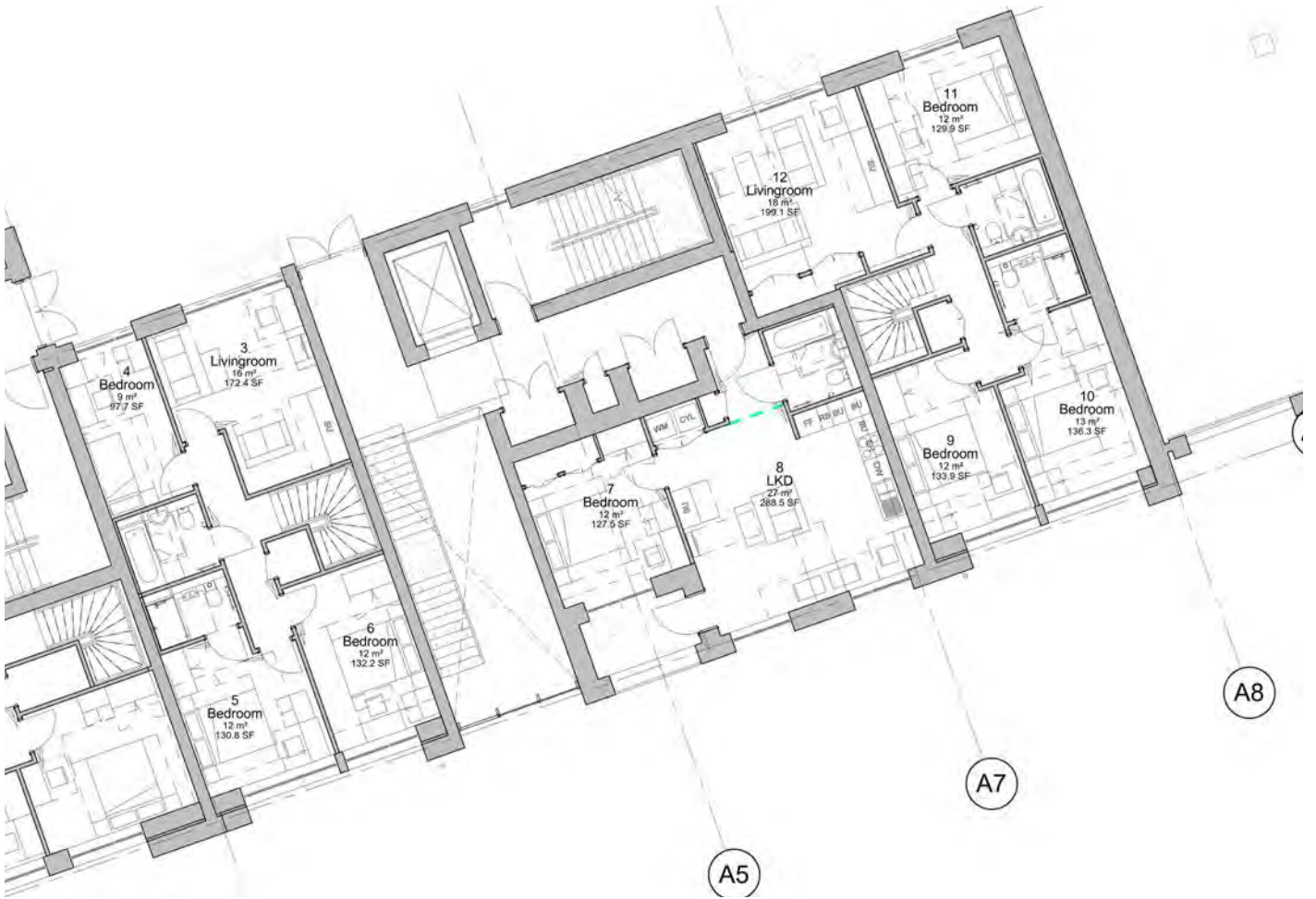
Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	Above/ Below Recommended (%)	Both Meet
7F											
89	LKD	1.98	-0.02	98.89	18.89	Meet					
90	Living room	1.92	0.42	99.43	19.43	Meet					
91	Bedroom	0.67	-0.33	72.89	-7.11	Meet					
92	Bedroom	0.87	-0.13	57.43	-22.57	Meet					
93	Bedroom	1.31	0.31	86.58	6.58	Meet					
94	Bedroom	1.50	0.50	85.97	5.97	Meet					
95	Bedroom	1.41	0.41	80.78	0.78	Meet					
96	Bedroom	1.21	0.21	92.48	12.48	Meet					
97	LKD	1.19	-0.81	92.59	12.59	Meet					
99	Living room	2.21	0.71	99.96	19.96	Meet	32	7	23	18	TRUE
100	Kitchen	0.95	-1.05	96.73	16.73	Meet					
101	Bedroom	2.00	1.00	97.90	17.90	Meet					
102	Bedroom	2.02	1.02	97.97	17.97	Meet					
137	Kitchen	1.57	-0.43	98.00	18.00	Meet					
138	Bedroom	1.45	0.45	81.84	1.84	Meet					
152	Bedroom	2.43	1.43	99.43	19.43	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
8F											
103	LKD	2.08	0.08	99.35	19.35	Meet					
104	Living room	1.99	0.49	99.43	19.43	Meet					
105	Bedroom	0.69	-0.31	72.90	-7.10	Meet					
106	Bedroom	0.92	-0.08	57.48	-22.52	Meet					
107	Bedroom	1.36	0.36	86.60	6.60	Meet					
108	Bedroom	1.50	0.50	85.98	5.98	Meet					
109	Bedroom	1.44	0.44	80.79	0.79	Meet					
110	Bedroom	1.25	0.25	92.51	12.51	Meet					
111	LKD	1.23	-0.77	92.66	12.66	Meet					
113	Living room	2.24	0.74	99.96	19.96	Meet	32	7	23	18	TRUE
114	Kitchen	0.95	-1.05	96.73	16.73	Meet					
115	Bedroom	2.00	1.00	97.90	17.90	Meet					
116	Bedroom	2.02	1.02	97.97	17.97	Meet					
134	Bedroom	2.46	1.46	99.44	19.44	Meet					
135	Bedroom	1.52	0.52	81.89	1.89	Meet					
136	Kitchen	1.64	-0.36	98.02	18.02	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	Above/ Below Recommended (%)	Both Meet
9F											
117	LKD	2.78	0.78	99.67	19.67	Meet					
118	Living room	3.44	1.94	99.58	19.58	Meet					
119	Bedroom	1.09	0.09	73.23	-6.77	Meet					
120	Bedroom	1.07	0.07	57.57	-22.43	Meet					
121	Bedroom	1.39	0.39	86.63	6.63	Meet					
122	Bedroom	1.54	0.54	86.17	6.17	Meet					
123	Bedroom	1.47	0.47	80.79	0.79	Meet					
124	Bedroom	1.27	0.27	92.53	12.53	Meet					
125	LKD	2.04	0.04	92.79	12.79	Meet					
127	Living room	3.74	2.24	99.97	19.97	Meet	67	42	25	20	TRUE
128	Kitchen	1.45	-0.55	96.93	16.93	Meet					
129	Bedroom	2.00	1.00	97.95	17.95	Meet					
130	Bedroom	2.02	1.02	97.77	17.77	Meet					
131	Bedroom	1.62	0.62	82.12	2.12	Meet					
132	Bedroom	2.59	1.59	99.38	19.38	Meet					
133	Kitchen	1.65	-0.35	98.03	18.03	Meet					



S04 - Block E - Level 0



S04 - Block E - Level 1



S04 - Block E - Level 2



S04 - Block E - Level 3



S04 - Block E - Level 4



S04 - Block E - Level 5

Table 25. Daylight and Sunlight Assessment: Impact on the proposed buildings - S04 - Block E

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
0F											
1	LKD	2.35	0.35	95.62	15.62	No					
2	LKD	2.51	0.51	96.38	16.38	No					
1F											
3	Livingroom	1.73	0.23	96.35	16.35	Meet					
4	Bedroom	1.11	0.11	93.69	13.69	Meet					
5	Bedroom	5.26	4.26	99.39	19.39	Meet					
6	Bedroom	1.40	0.40	97.56	17.56	Meet					
7	Bedroom	0.95	-0.05	92.14	12.14	Meet					
8	LKD	3.49	1.49	99.10	19.10	Meet	53	28	27	22	TRUE
9	Bedroom	1.39	0.39	97.14	17.14	Meet					
10	Bedroom	5.07	4.07	99.75	19.75	Meet					
11	Bedroom	1.09	0.09	64.12	-15.88	Meet					
12	Livingroom	1.68	0.18	78.59	-1.41	Meet					
2F											
13	Bedroom	1.05	0.05	59.06	-20.94	Meet					
14	Bedroom	0.97	-0.03	53.66	-26.34	Meet					
15	LKD	1.36	-0.64	99.34	19.34	Meet	33	8	26	21	TRUE
16	LKD	1.48	-0.52	97.81	17.81	Meet	28	3	20	15	TRUE
17	Bedroom	1.99	0.99	97.11	17.11	Meet					
18	Bedroom	1.97	0.97	97.62	17.62	Meet					
19	LKD	1.46	-0.54	97.17	17.17	Meet	26	1	24	19	TRUE
20	LKD	1.38	-0.62	99.71	19.71	Meet	33	8	20	15	TRUE
21	Bedroom	1.15	0.15	72.78	-7.22	Meet					
22	Bedroom	1.15	0.15	81.40	1.40	Meet					

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/Below Recommended (%)	NSL (%)	Above/Below Recommended (%)	RDC	Annual	Above/Below Recommended (%)	Winter	Above/Below Recommended (%)	Both Meet
3F											
23	Bedroom	1.12	0.12	61.23	-18.77	Meet					
24	Bedroom	1.02	0.02	54.03	-25.97	Meet					
25	LKD	1.36	-0.64	99.34	19.34	Meet	33	8	26	21	TRUE
26	LKD	1.48	-0.52	97.81	17.81	Meet	28	3	20	15	TRUE
27	Bedroom	1.99	0.99	97.11	17.11	Meet					
28	Bedroom	1.97	0.97	97.62	17.62	Meet					
29	LKD	1.46	-0.54	97.17	17.17	Meet	26	1	24	19	TRUE
30	LKD	1.37	-0.63	99.71	19.71	Meet	33	8	20	15	TRUE
31	Bedroom	1.24	0.24	74.34	-5.66	Meet					
32	Bedroom	1.24	0.24	86.68	6.68	Meet					
4F											
33	Bedroom	1.19	0.19	64.20	-15.80	Meet					
34	Bedroom	1.07	0.07	54.35	-25.65	Meet					
35	LKD	1.36	-0.64	99.34	19.34	Meet	33	8	26	21	TRUE
36	LKD	1.48	-0.52	97.81	17.81	Meet	28	3	20	15	TRUE
37	Bedroom	2.03	1.03	97.11	17.11	Meet					
38	Bedroom	2.00	1.00	97.62	17.62	Meet					
39	LKD	1.46	-0.54	97.17	17.17	Meet	26	1	24	19	TRUE
40	LKD	1.37	-0.63	99.71	19.71	Meet	33	8	20	15	TRUE
41	Bedroom	1.34	0.34	76.78	-3.22	Meet					
42	Bedroom	1.34	0.34	88.70	8.70	Meet					TRUE

Room Ref	Room Use	Daylight Quantum		Daylight Distribution			Sunlight Quantum (Probable Sunlight Hours)				
		ADF (%)	Above/ Below Recommended (%)	NSL (%)	Above/ Below Recommended (%)	RDC	Annual	Above/ Below Recommended (%)	Winter	bove/ Below Recommended (%)	Both Meet
5F											
43	Bedroom	1.26	0.26	65.54	-14.46	Meet					
44	Bedroom	1.13	0.13	54.74	-25.26	Meet					
45	LKD	2.18	0.18	99.75	19.75	Meet	71	46	27	22	TRUE
46	LKD	2.44	0.44	97.82	17.82	Meet	70	45	24	19	TRUE
47	Bedroom	2.13	1.13	97.13	17.13	Meet					
48	Bedroom	2.13	1.13	97.88	17.88	Meet					
49	LKD	2.43	0.43	97.54	17.54	Meet	71	46	27	22	TRUE
50	LKD	2.20	0.20	99.78	19.78	Meet	71	46	24	19	TRUE
51	Bedroom	1.43	0.43	80.69	0.69	Meet					
52	Bedroom	1.44	0.44	90.15	10.15	Meet					

Sun on the ground



Figure 17. Sunlight on the ground - 21 March - Proposd Assessment

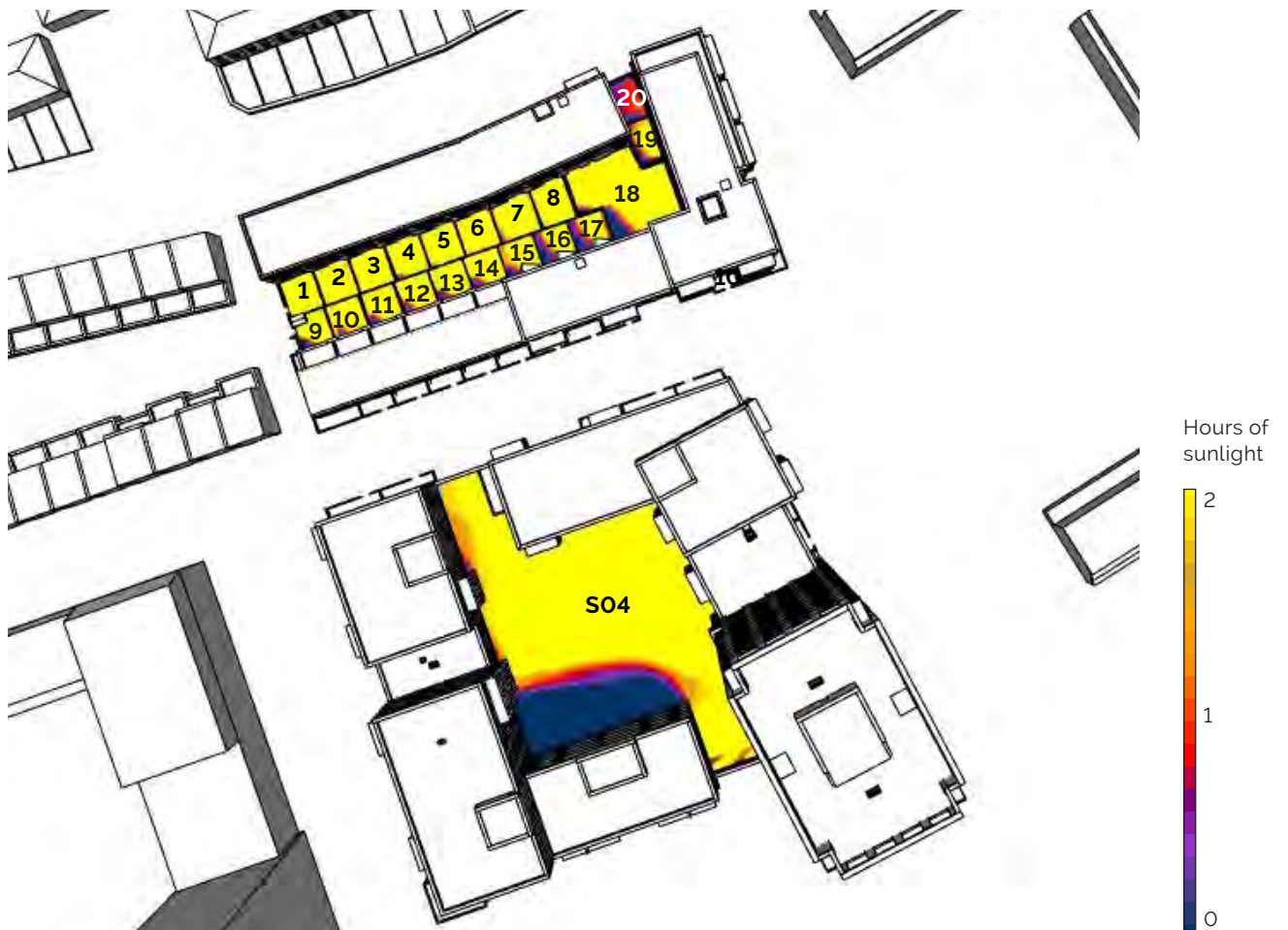


Figure 18. Sunlight on the ground - 21 June - Proposd Assessment

Proposed Assessment

Table 26. Proposed Assessment

Amenity	Area	Sun on the ground		
		21 March % of area	Meet BRE Criteria	21 June % of area
1	33.28	44	No	100
2	35.7	50	Yes	90.63
3	38.7	52.78	Yes	91.67
4	36.15	50	Yes	96.67
5	40	41.18	No	79.41
6	39.81	50	Yes	93.33
7	49.22	41.67	No	70.83
8	44.44	14.29	No	78.57
9	29.48	0	No	72
10	32.32	0	No	85.19
11	31.64	0	No	88
12	30.72	0	No	88
13	31.59	0	No	84
14	31.76	0	No	80
15	37.33	0	No	56.67
16	36.61	0	No	50
17	39.38	0	No	38.89
18	174.58	4.62	No	82.66
19	29.57	0	No	42.86
20	30.25	0	No	0
S04	1286.85	54	Yes	70.01

Appendix 10.6

In accordance with the BRE guide we have undertaken overshadowing assessments to the amenity spaces. The results of the overshadowing analysis are shown in the

following pages. The model was tested on 21 March (the Spring Equinox) and 21 June (mid-summer's day).

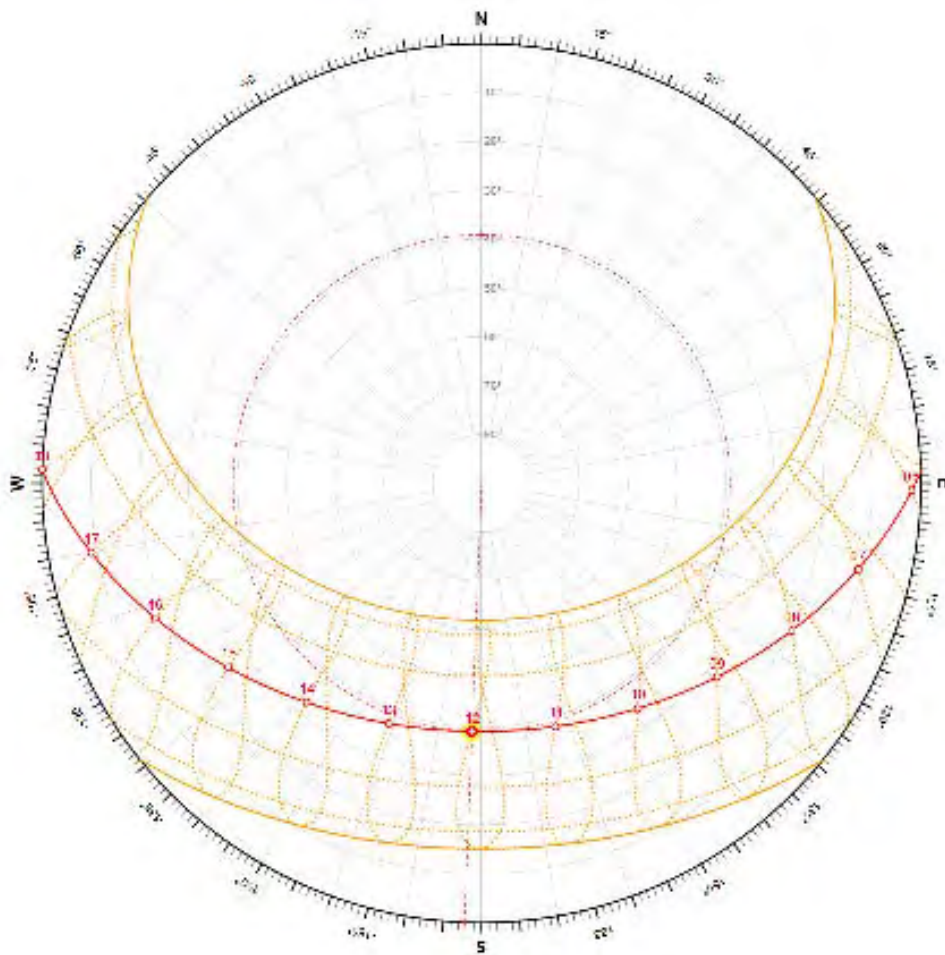
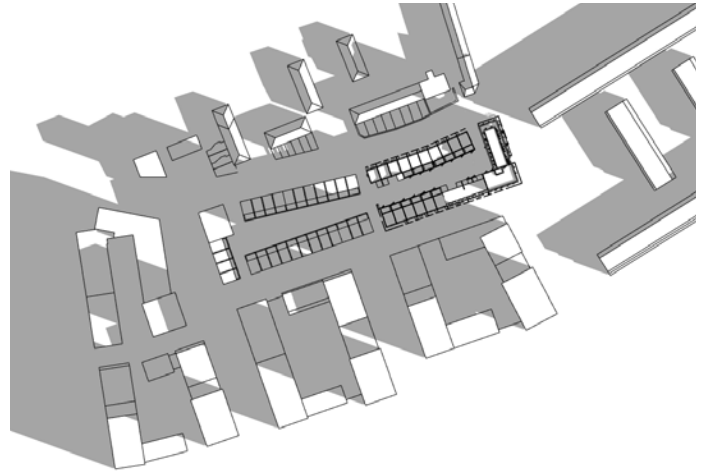


Figure B.1 - Sun path diagram for London, UK

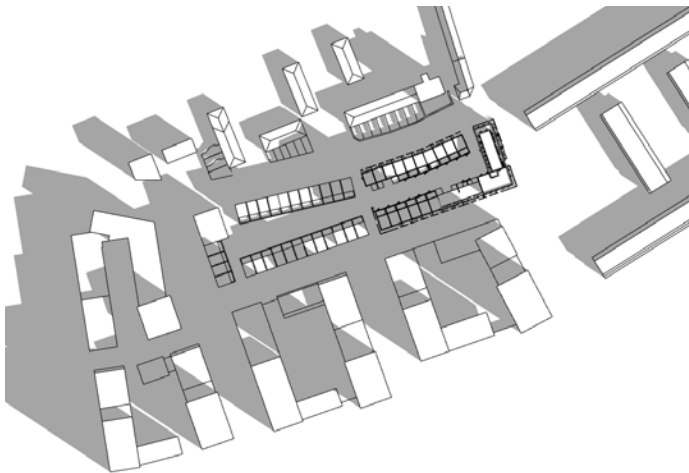
Consented Scheme



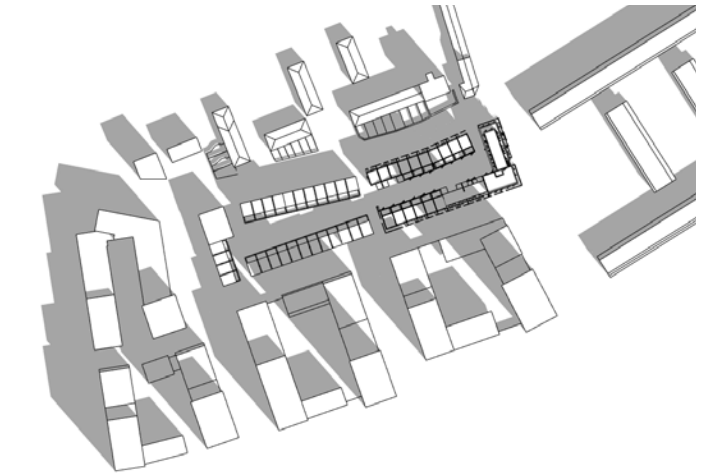
21 March - 7:00



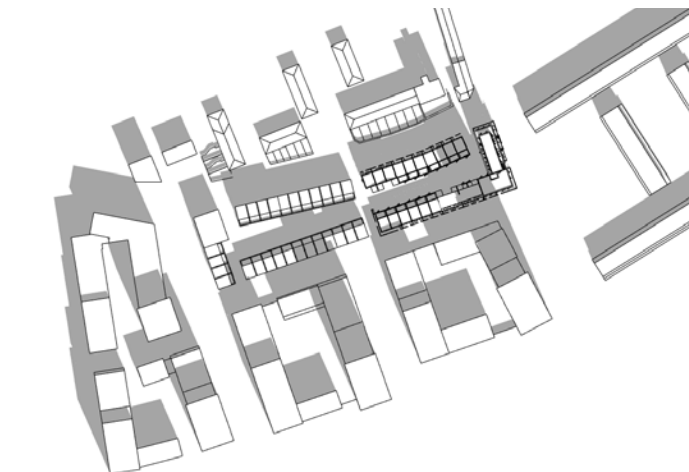
21 March - 8:00



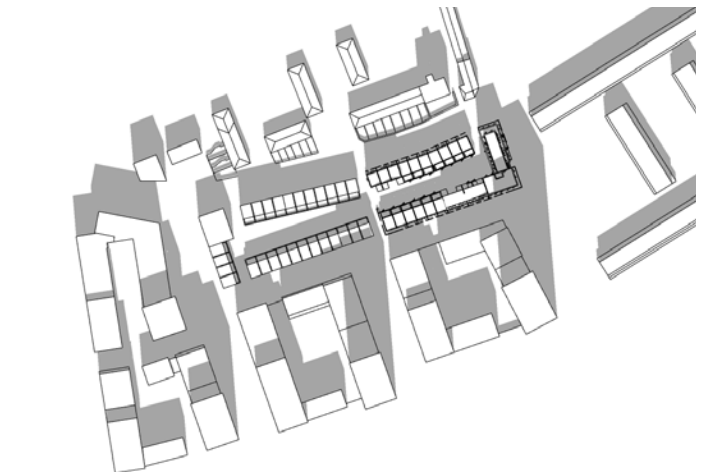
21 March - 9:00



21 March - 10:00

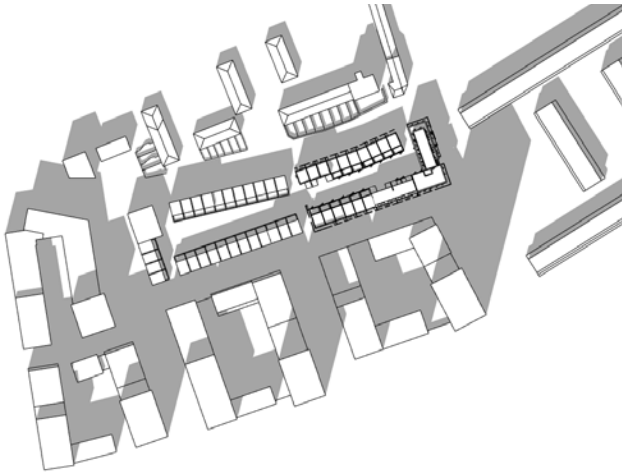


21 March - 11:00

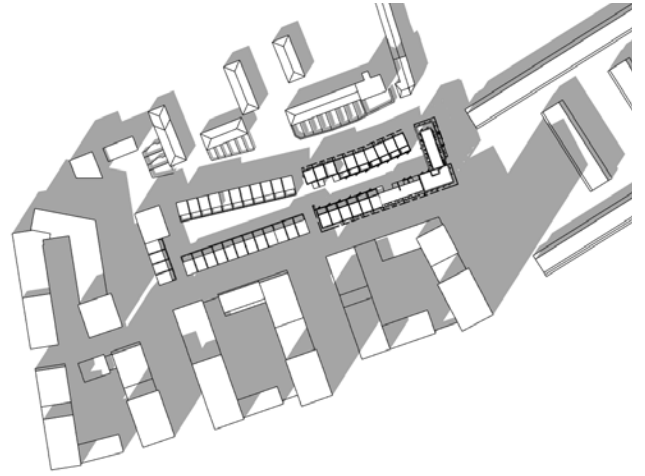


21 March - 12:00

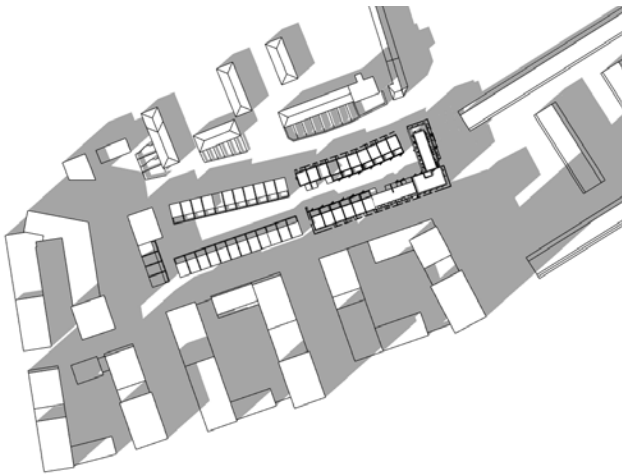




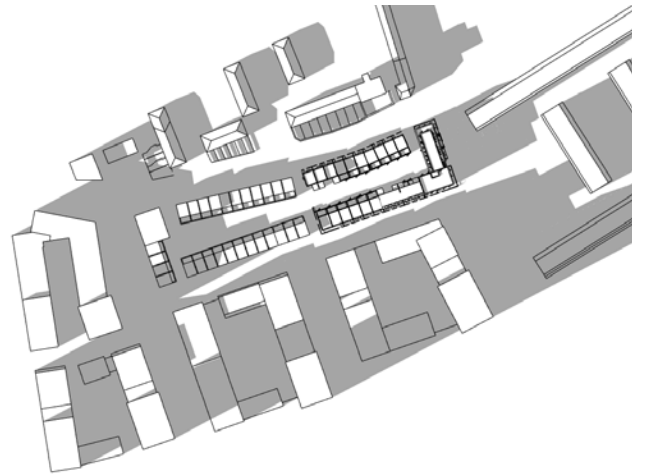
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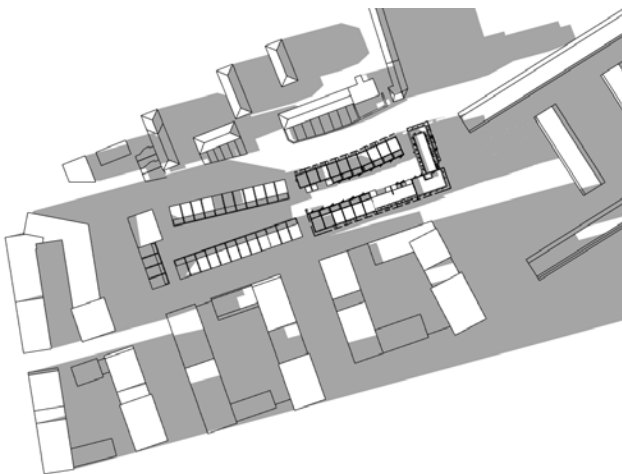
21 March - 14:00



21 March - 15:00

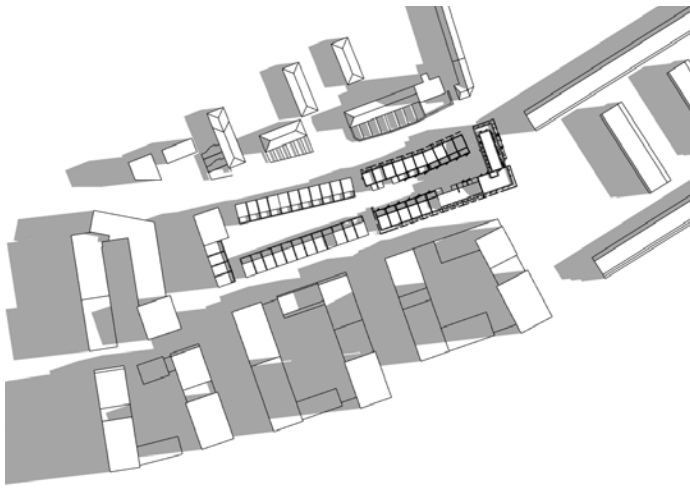


21 March - 16:00

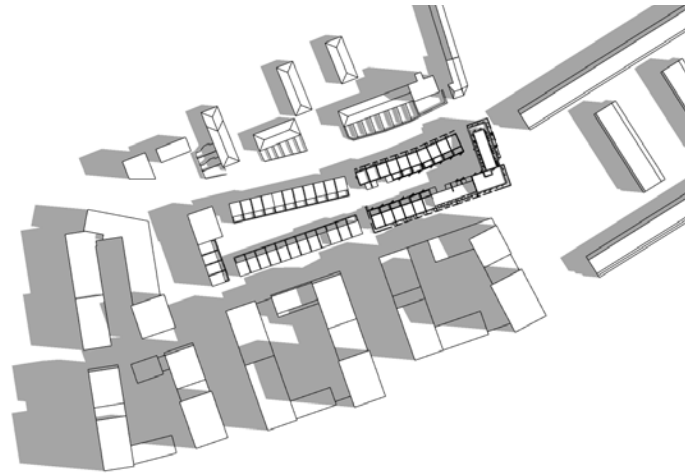


21 March - 17:00

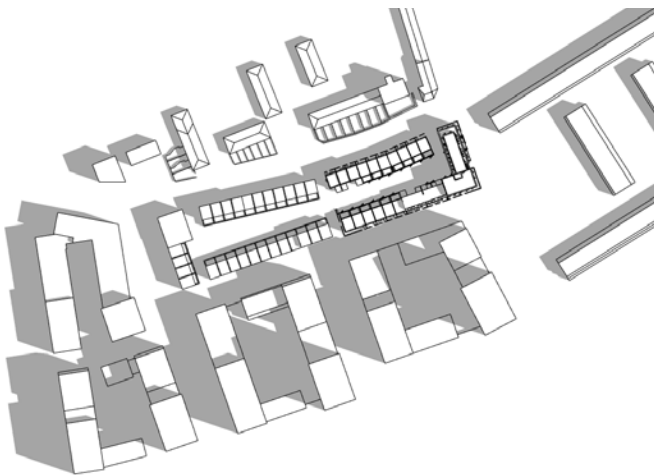




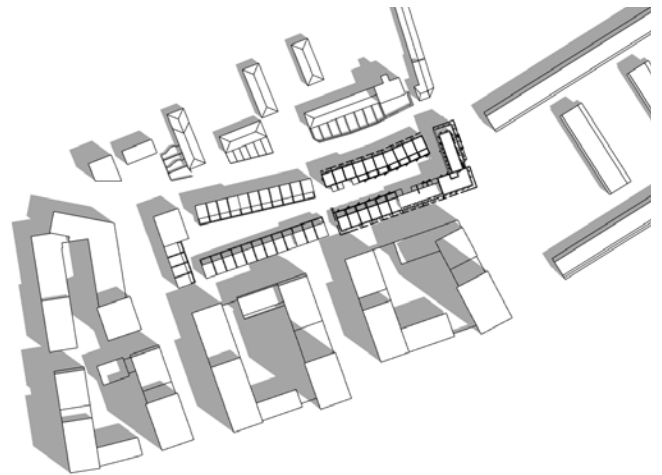
21 June - 7:00



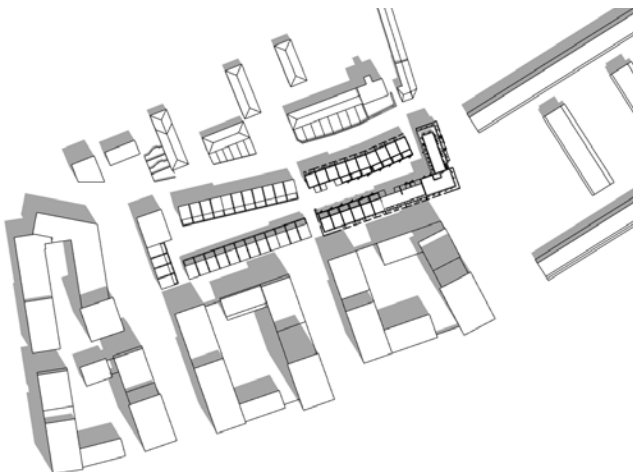
21 June - 8:00



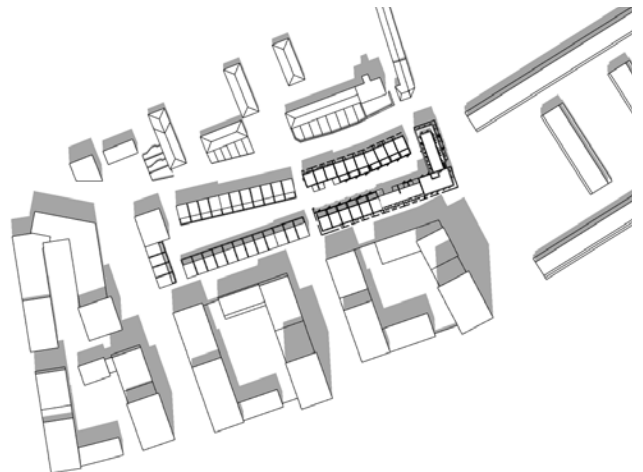
21 June - 9:00



21 June - 10:00

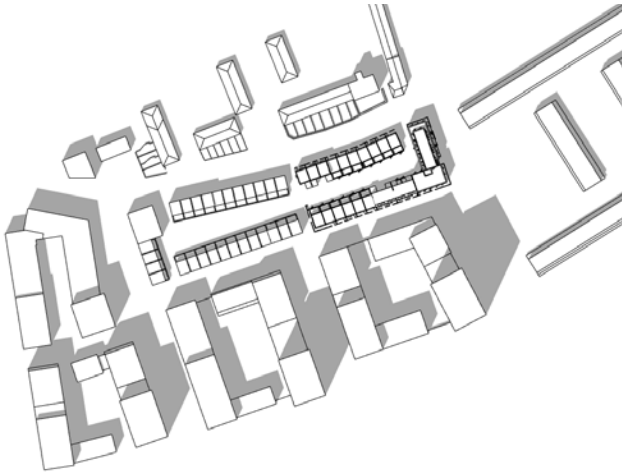


21 June - 11:00

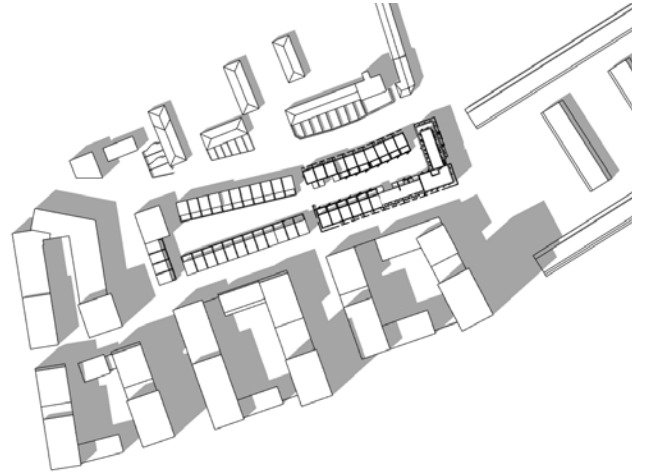


21 June - 12:00

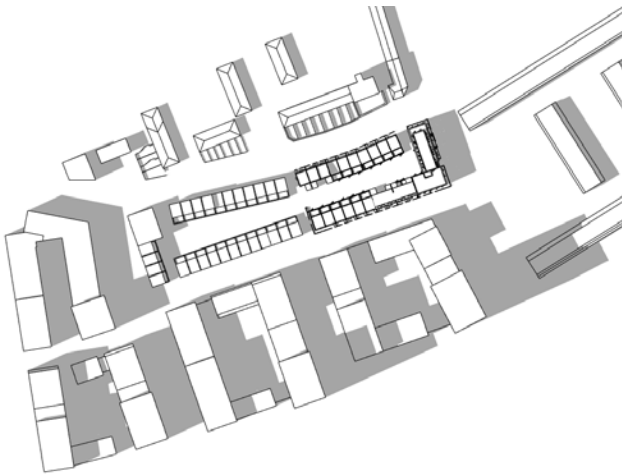




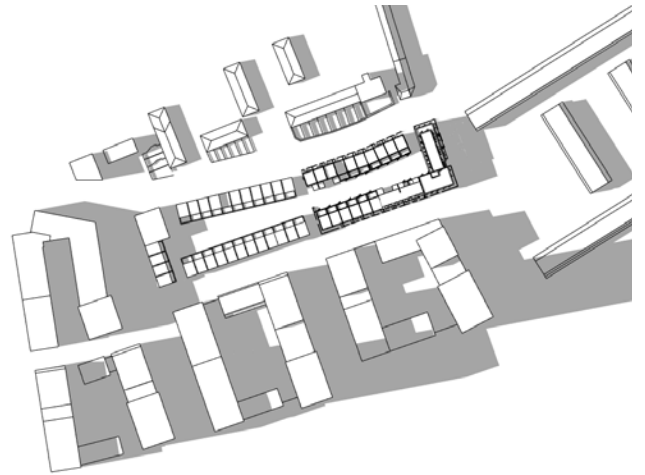
21 June - 13:00



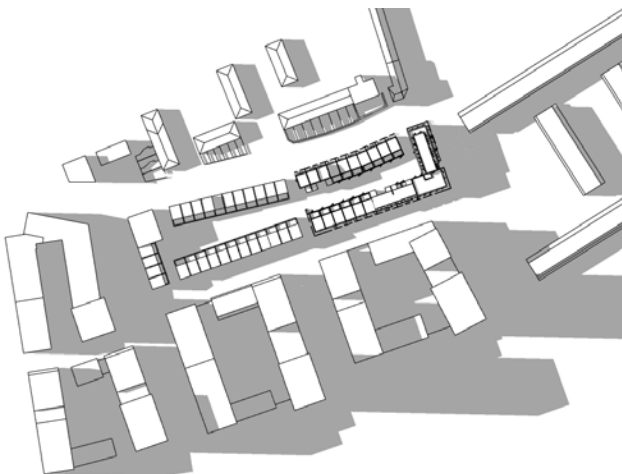
21 June - 14:00



21 June - 15:00



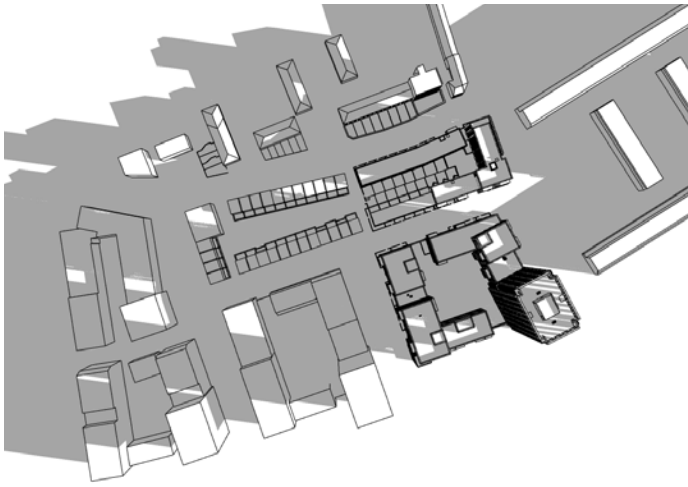
21 June - 16:00



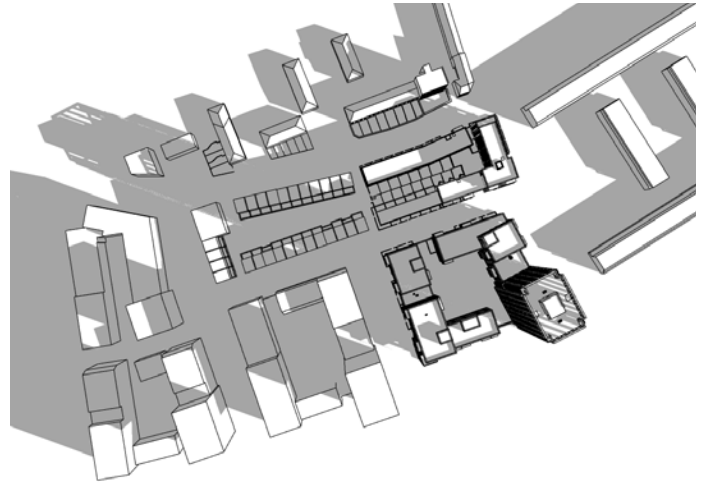
21 June - 17:00



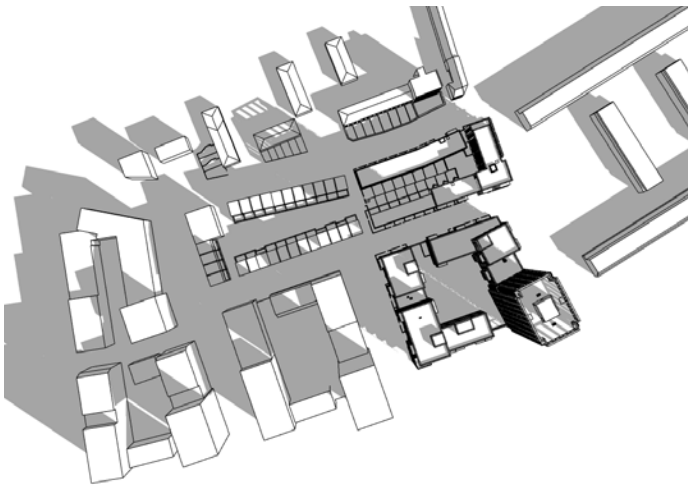
Proposed Scenario



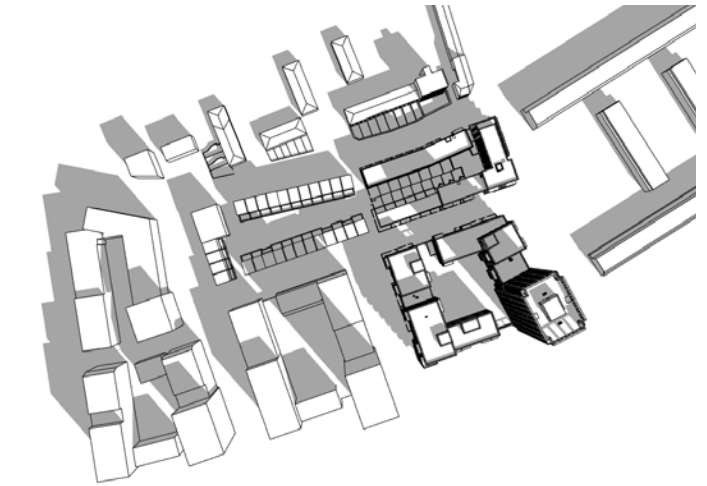
21 March - 7:00



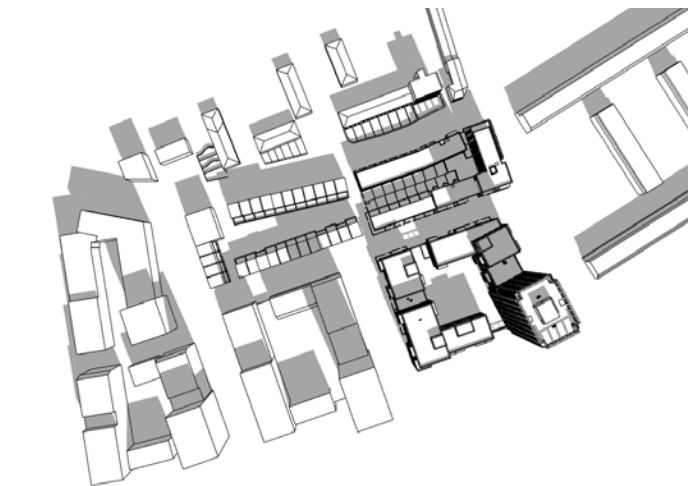
21 March - 8:00



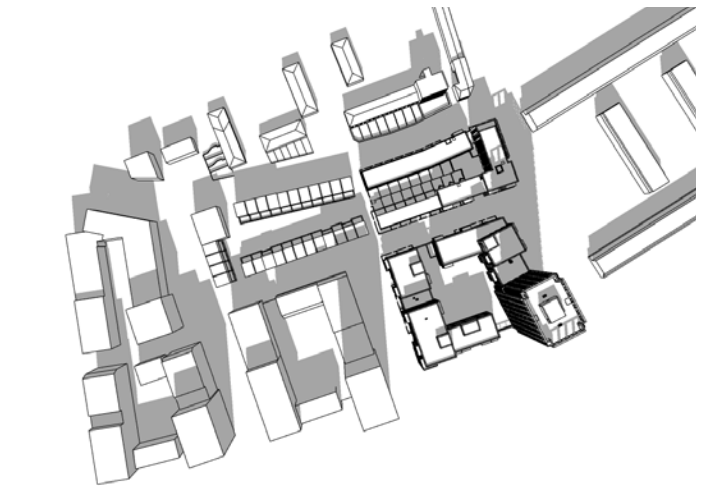
21 March - 9:00



21 March - 10:00

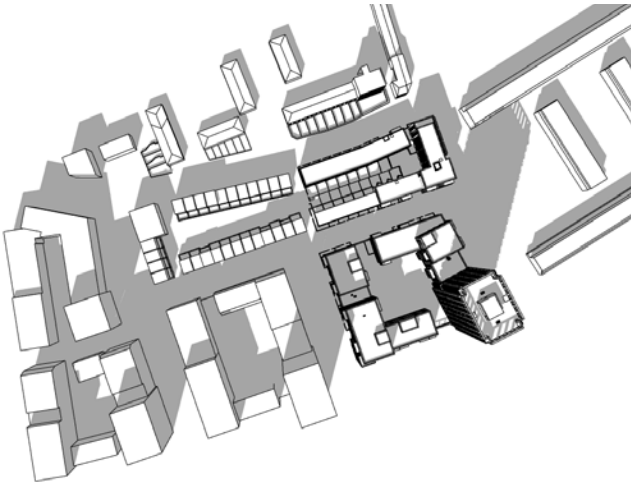


21 March - 11:00

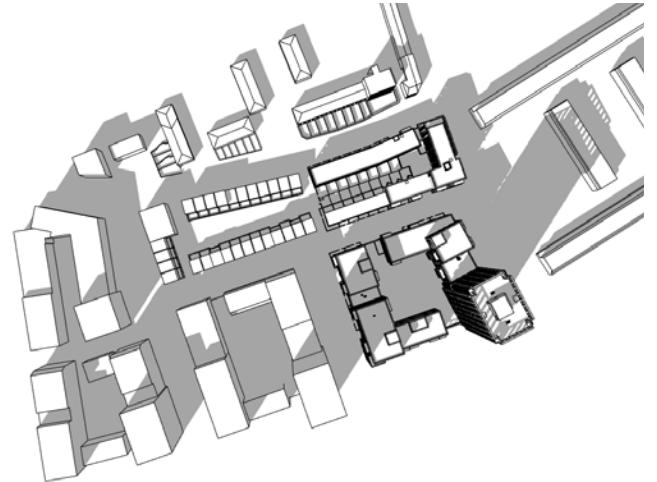


21 March - 12:00

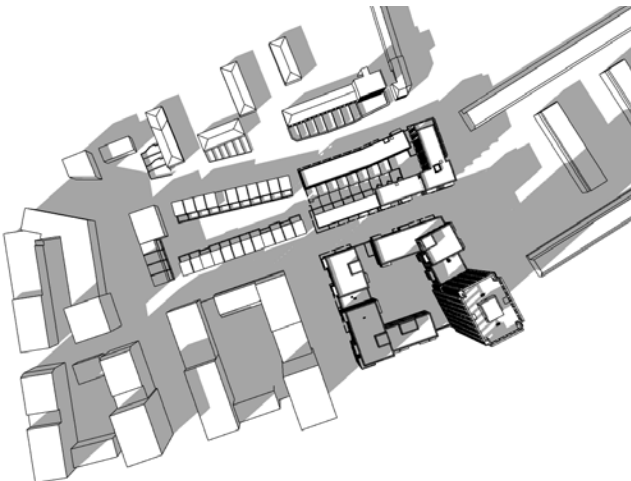




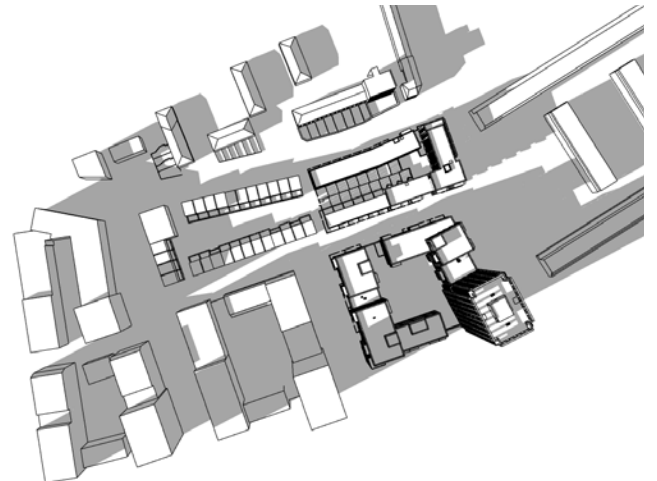
21 March - 13:00



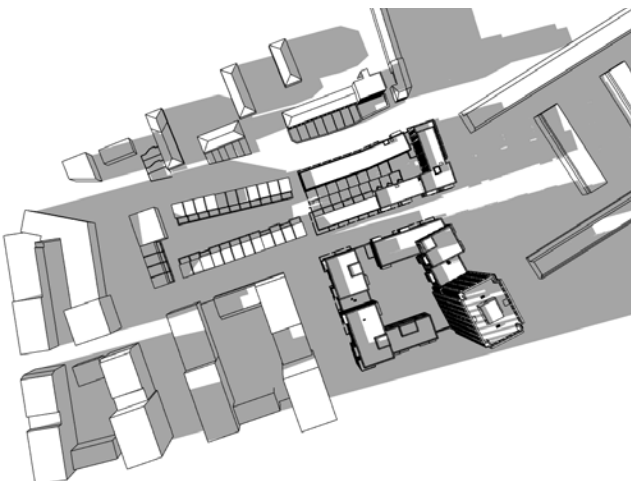
21 March - 14:00



21 March - 15:00

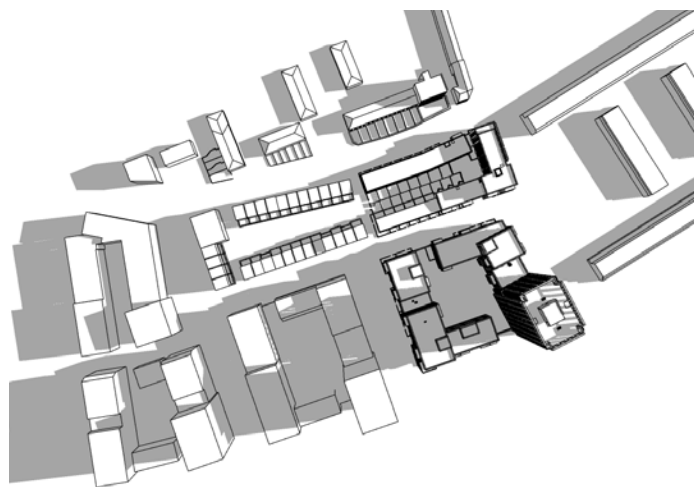


21 March - 16:00

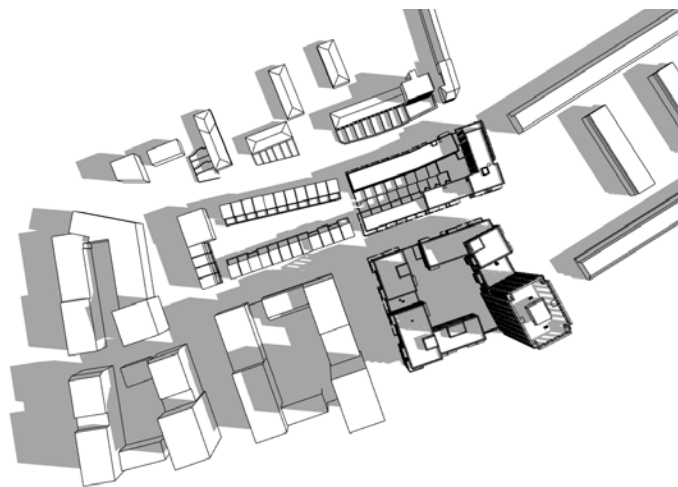


21 March - 17:00

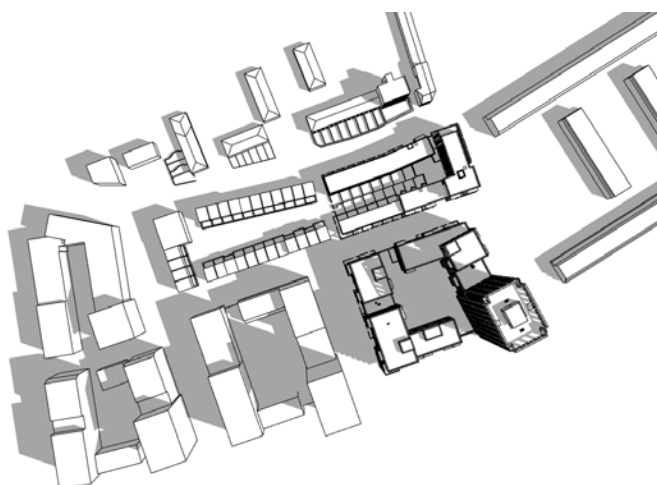




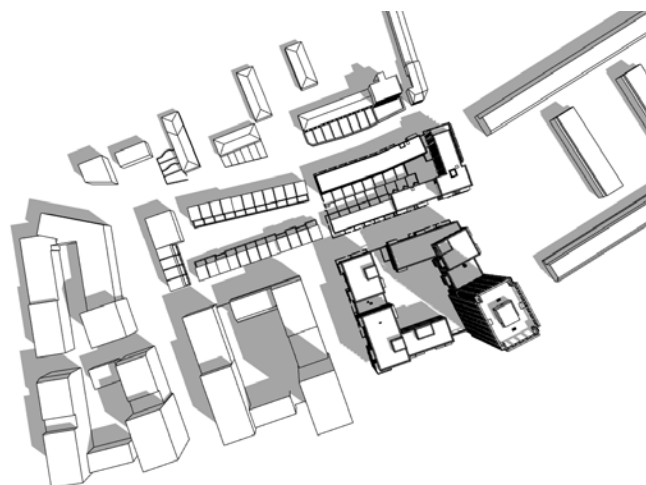
21 June - 7:00



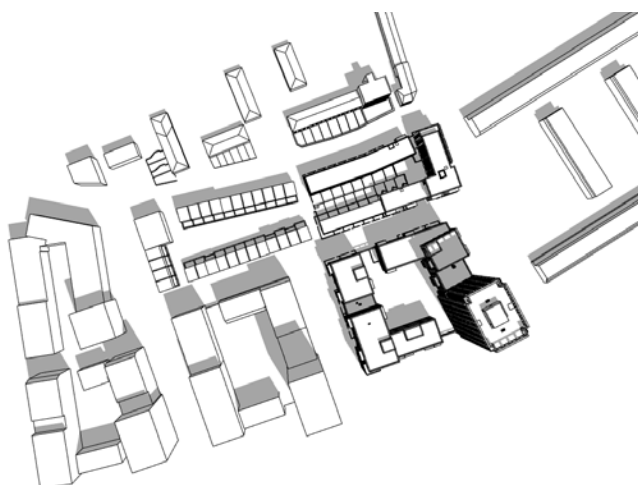
21 June - 8:00



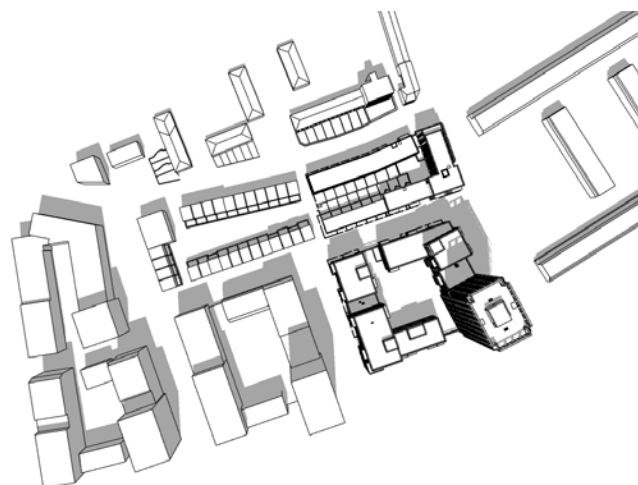
21 June - 9:00



21 June - 10:00

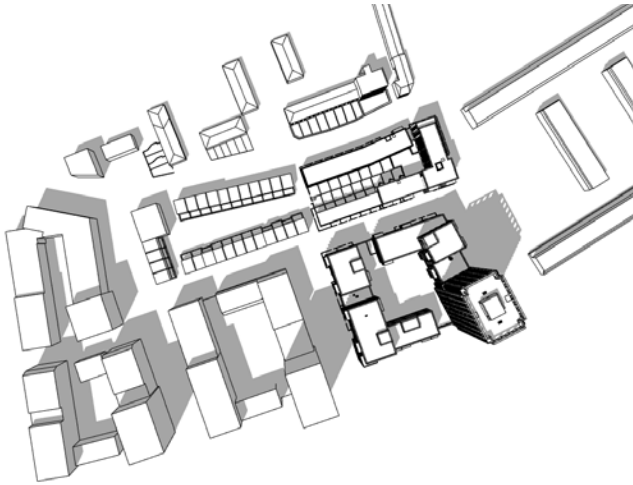


21 June - 11:00

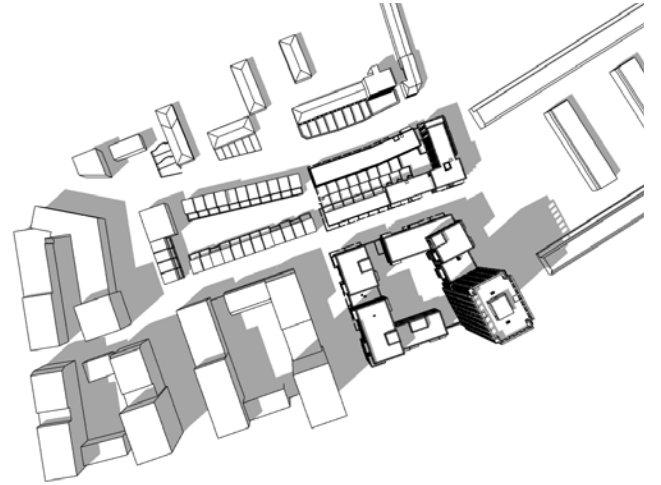


21 June - 12:00

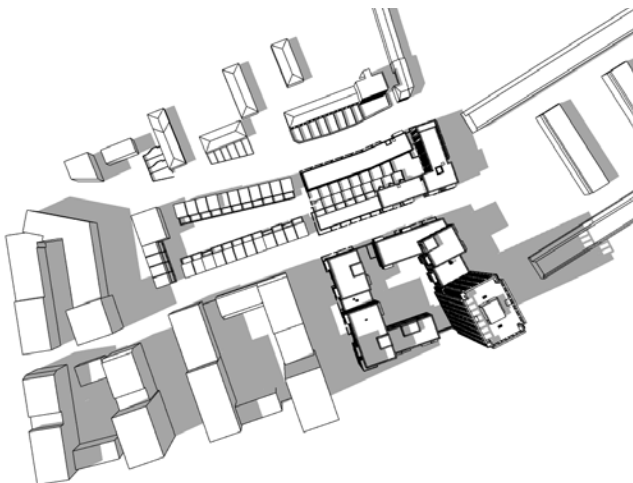




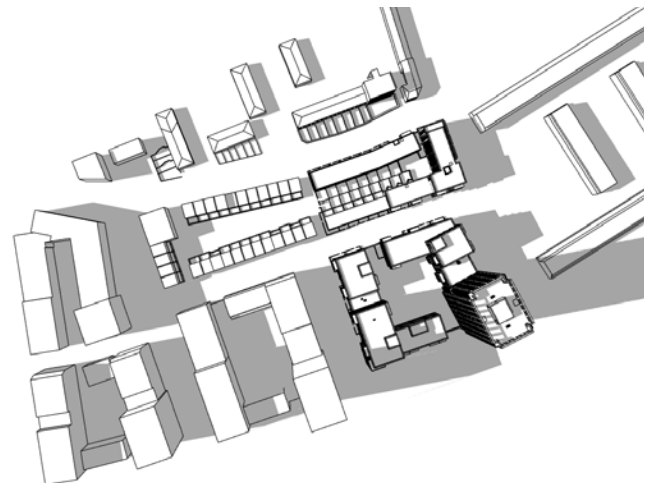
21 June - 13:00



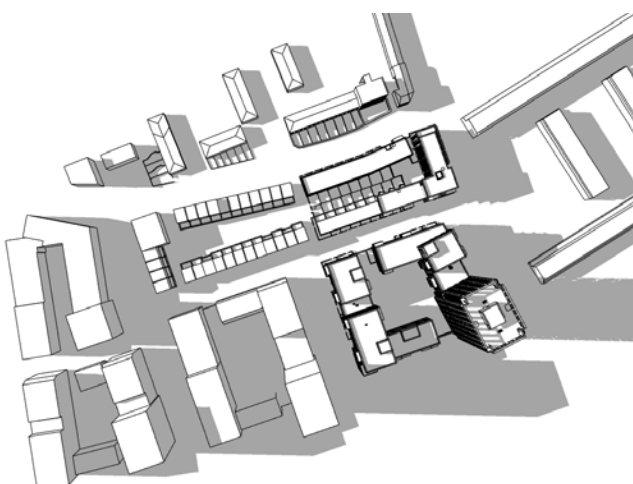
21 June - 14:00



21 June - 15:00



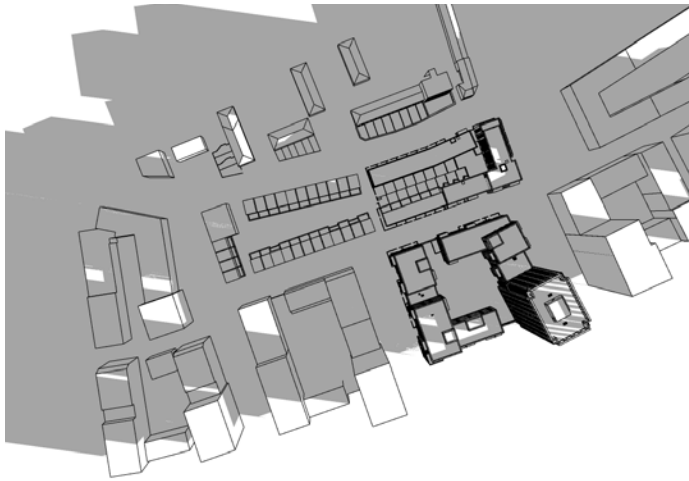
21 June - 16:00



21 June - 17:00



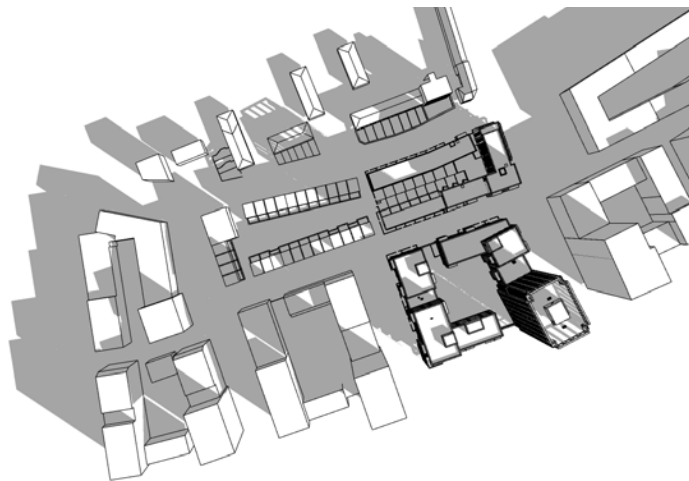
Proposed Scenario + Cumulative Scheme



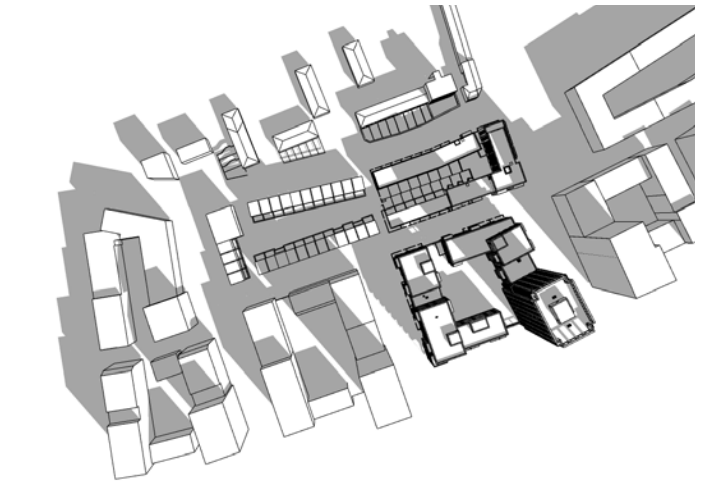
21 March - 7:00



21 March - 8:00



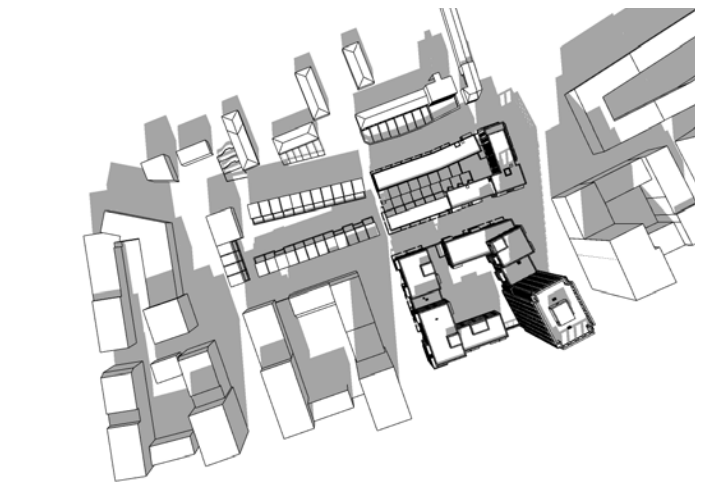
21 March - 9:00



21 March - 10:00

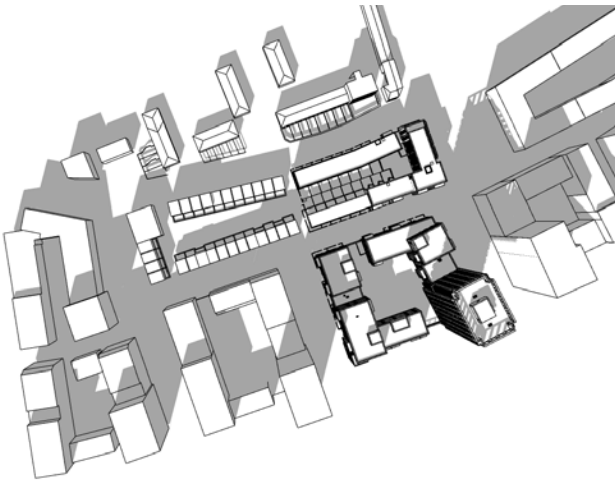


21 March - 11:00

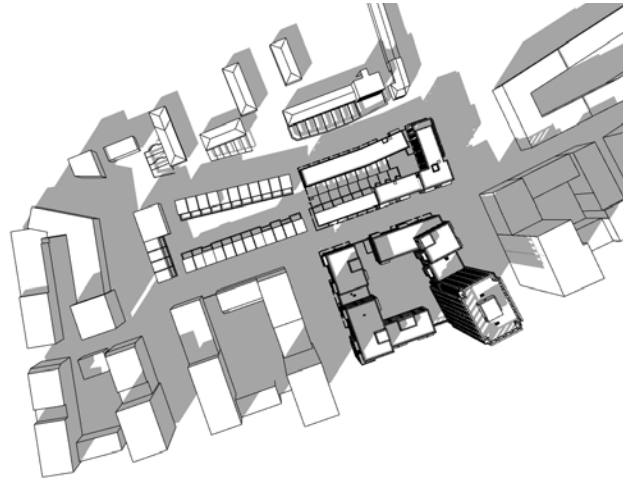


21 March - 12:00

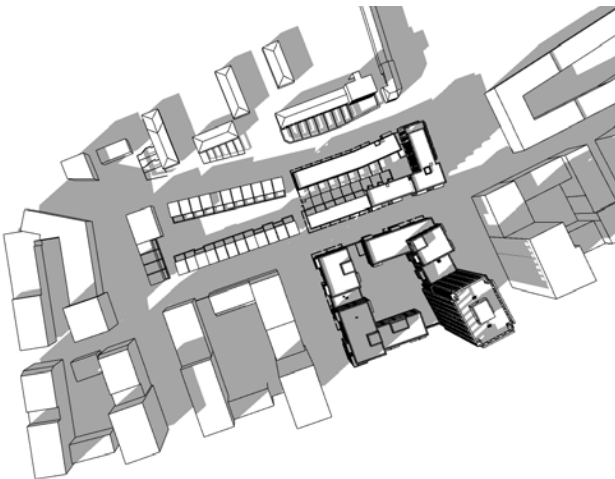




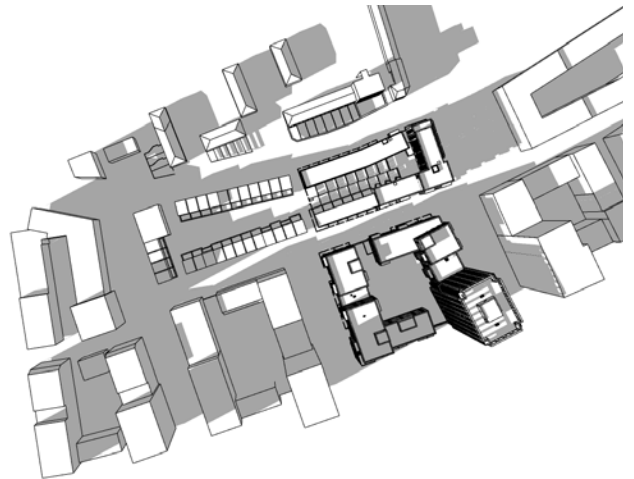
21 March - 13:00



21 March - 14:00



21 March - 15:00



21 March - 16:00

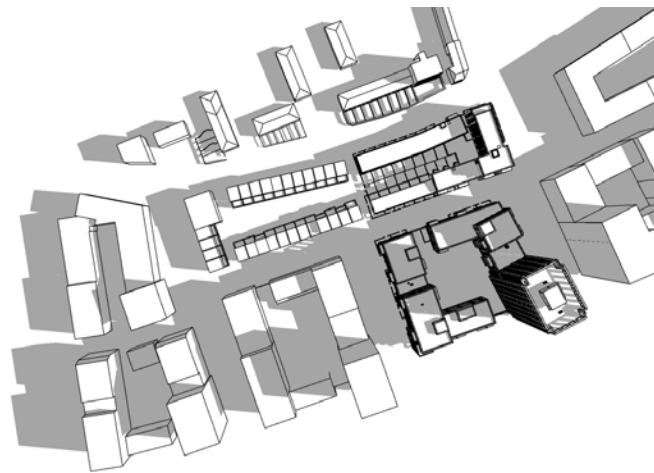


21 March - 17:00

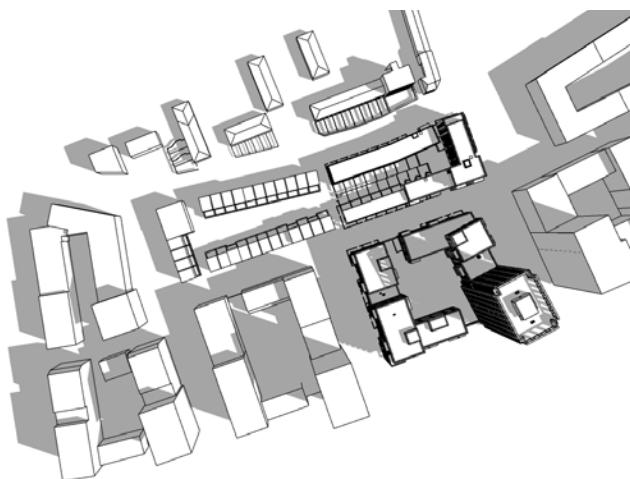




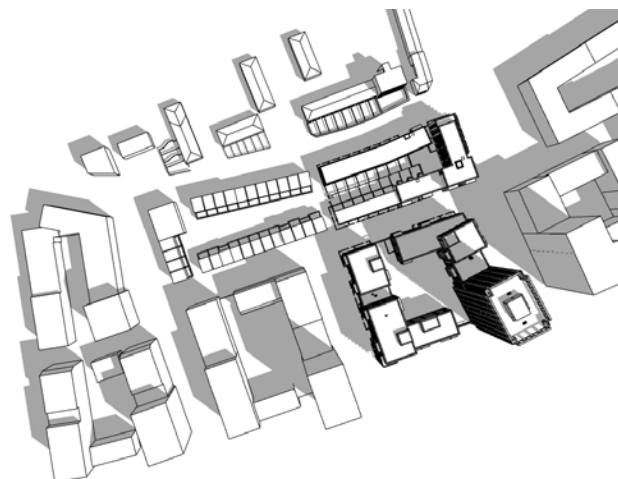
21 June - 7:00



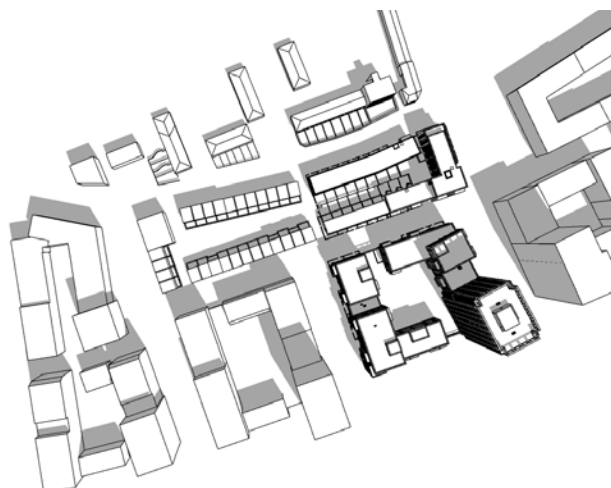
21 June - 8:00



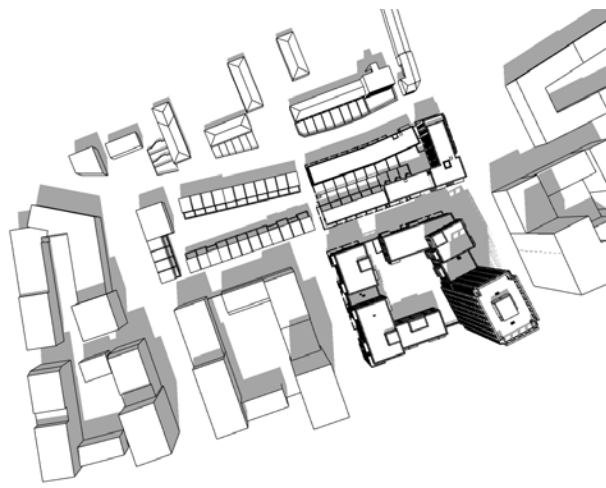
21 June - 9:00



21 June - 10:00

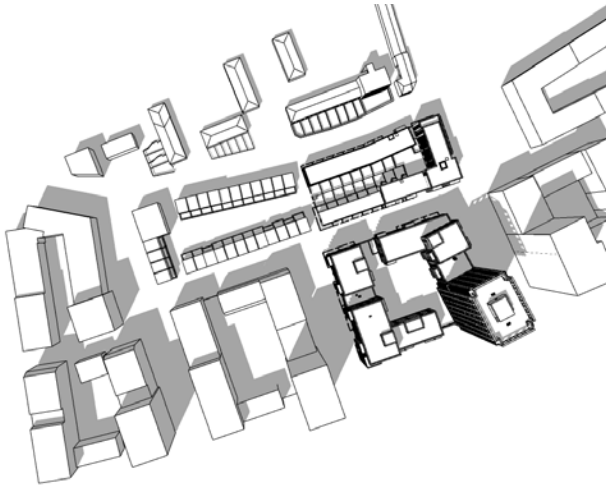


21 June - 11:00

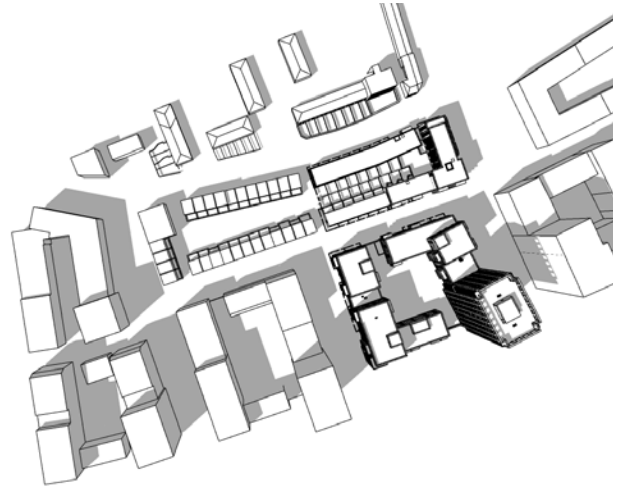


21 June - 12:00

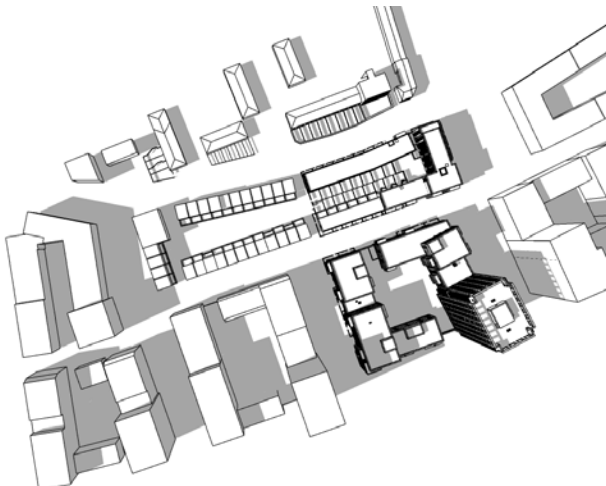




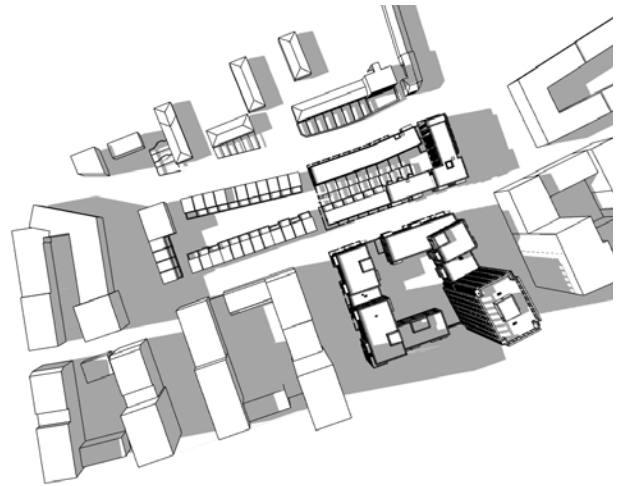
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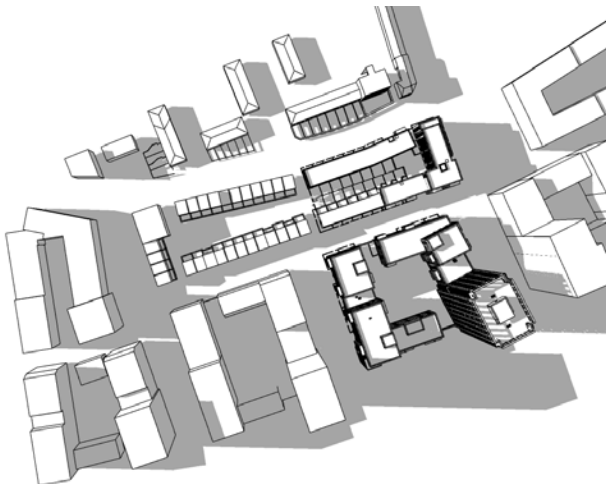
21 June - 14:00



21 June - 15:00



21 June - 16:00



21 June - 17:00



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