

Internal Daylight and Sunlight Study

Client Details: Style Builders Ltd
Westbourne House
159 Oldham Road
Ashton – Under – Lyne
OL7 9AR

Site Details: Land Bound by Earl Street, Taylor Street and Bethel Street,
Rochdale,
OL10 1HT

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Report Details:

Prepared by	Checked by	Date	Job Number	Revision
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1. Introduction & Methodology

Base Energy were instructed to investigate the daylight and sunlight within the residential units serving the proposed scheme referred to as Land Bound by Earl Street, Taylor Street and Bethel Street, Rochdale, OL10 1HT.

The daylight study is to ensure the comfort, health and safety of building occupants as well as visitors and others within the vicinity is acceptable. It is also to enhance the quality of life in dwellings by recognising those that encourage a healthy and safe internal environment for occupants.

Using industry standard methodology as prescribed by BRE and British Standard guidance: we have made numerical analyses to ensure compliance with the recommended levels of daylight and sunlight within the habitable rooms of the proposed dwelling.

The following standards and guidance have been consulted when compiling this report to ensure compliance with Daylight and Sunlight standards:

- The Building Research Establishment's (BRE) Site Layout Planning for Daylight and Sunlight: A guide to good practice (BRE BR 209) (2nd edition) (the "**BRE Guide**").
- British Standard BS EN 17037:2018 – Daylight in Buildings (the "**2018 British EN Standard**").

It should be noted at the outset that the 2008 British Standard has been superseded by the 2018 British Standard. This is the UK implementation of EN 17037:2018, which was approved by the CEN on 29 July 2018. In Ireland, EN 17037:2018 has been implemented by the 2018 Irish Standard. The texts of the 2018 British Standard and the 2018 Irish Standard are the same, with one exception. The exception is that the 2018 British Standard contains an additional "National Annex" which specifically sets out requirements within dwellings, to ensure some similarity to the now superseded 2008 British Standard.

The 2018 British and Irish Versions of the EN Standards

The EN 17037:2018 standard—which is the basis of both the 2018 British EN Standard and the 2018 Irish EN Standard—approaches the assessment of daylight provision on a different basis from that utilised in the 2008 British Standard and the BRE Guide. Instead of **average** daylight factors the standard assess a new metric based on **median** daylight, in order to ensure both extent and a degree of uniformity of daylight.

“A space is considered to provide adequate daylight if a target illuminance level is achieved across a fraction of the reference plane within a space for at least half of the daylight hours.”

EN 17037:2018 also address other aspects in addition to daylight - including sunlight, glare and quality of view, which are not addressed in the context of this report.

The National Annex

As is noted above, the 2018 British Standard includes a “National Annex”, containing “Further recommendations and data for daylight provision in the UK and Channel Islands”. As there is no equivalent in the 2018 Irish Standard the 2018 British Standard National Annex will be referenced, which states:

“NA.1 Introduction: The UK committee supports the recommendations for daylight in buildings given in BS EN 17037:2018; however, it is the opinion of the UK committee that the recommendations for daylight provision in a space (see Clause A.2) may not be achievable for some buildings, particularly dwellings. The UK committee believes this could be the case for dwellings with basement rooms or those with significant external obstructions (for example, dwellings situated in a dense urban area or with tall trees outside), or for existing buildings being refurbished or converted into dwellings. This National Annex therefore provides the UK committee's guidance on minimum daylight provision in all UK dwellings.”

NA.2 addresses minimum daylight provision in UK dwellings. It contains a table, in which target illuminance, ET (lx), levels are recommended for different room types. These are: bedroom at 100 lx; living room at 150 lx; and kitchen at 200 lx, which may be compared to EN 17037's recommendation of 300 lux (irrespective of room application). The commentary is as follows:

“Even if a predominantly daylight appearance is not achievable for a room in a UK dwelling, the UK committee recommends that the target illuminance values given in Table NA.1 are exceeded over at least 50% of the points on a reference plane 0.85 m above the floor, for at least half of the daylight hours.”

Exposure to Sunlight

The National Annex (BS EN 17037:2018) provides guidelines on acceptable levels of sunlight exposure represented in hours.

‘Sunlight provision is essential for any interior space and depending on the function of the space, it is generally desirable, except during hot climatic conditions. Sunlight duration needs to be linked to appropriate selection of shading systems to minimize possible thermal and/or visual discomfort to the occupants (see recommendations in Annex A and Annex E on glare protection).’

Annex A within the reference document BS 3N 17037:2018 presents three values for sunlight exposure in a space for a selected day. Recommended values of sunlight exposure (*h*) are in Table A.6 with the selected date for analysis being 21st March.

Methodology (in accordance with BS EN 17037:2018 – British National Annex)

The methodology and criteria used in this analysis to show compliance is:

- ‘Illuminance Calculation’ - assessed in accordance with BS EN 17037: 2018 National Annex Method 2

and

- ‘Sunlight Exposure’ – assessed using Solar Exposure Calculations accordance with BS EN 17037: 2018 National Annex

Illuminance Calculation - Method 2: This calculation method uses the illuminance targets on the reference plane as per Table NA.1 (refer to page 64 of BS EN 17037). The assessment is carried out for each hour over the course of the year (8,760 hours) using a local weather file which accounts for varying sky conditions and sun positions throughout the year.

As outlined in Section 5.1.4 of the standard, the verification of daylight provision can be determined using either an adequate software or on-site measurements. When using a software, *“a representative model of the space is required together with the key parameters (such as any significant nearby obstructions, the assigned surface reflectance values and glazing transmissivity) that are a reasonable representation of those for the actual, completed building.*

Based on the above criteria, the daylight provision to the proposed development has been assessed using an adequate software (i.e. IES VE), using the Method 2 climate-based approach and targeting the minimum recommended values outlined in Table NA.1 of BS EN 17037:2018.

The Method 2 climate-based approach was selected as it is a far more accurate assessment method compared to Method 1. Climate based daylight modelling (CBDM) is more accurate compared to a calculation based on a single day during the year, i.e. Method 1. The amount of daylight varies throughout the year, primarily due to the sun's position, so it is essential the impact of daylight variance is properly considered. CBDM utilises an annual simulation linking location, shading, climate data (including solar intensity and cloud cover) together with the building properties. This provides a complete overview on how the daylight performance varies throughout the year due to changes in these factors.

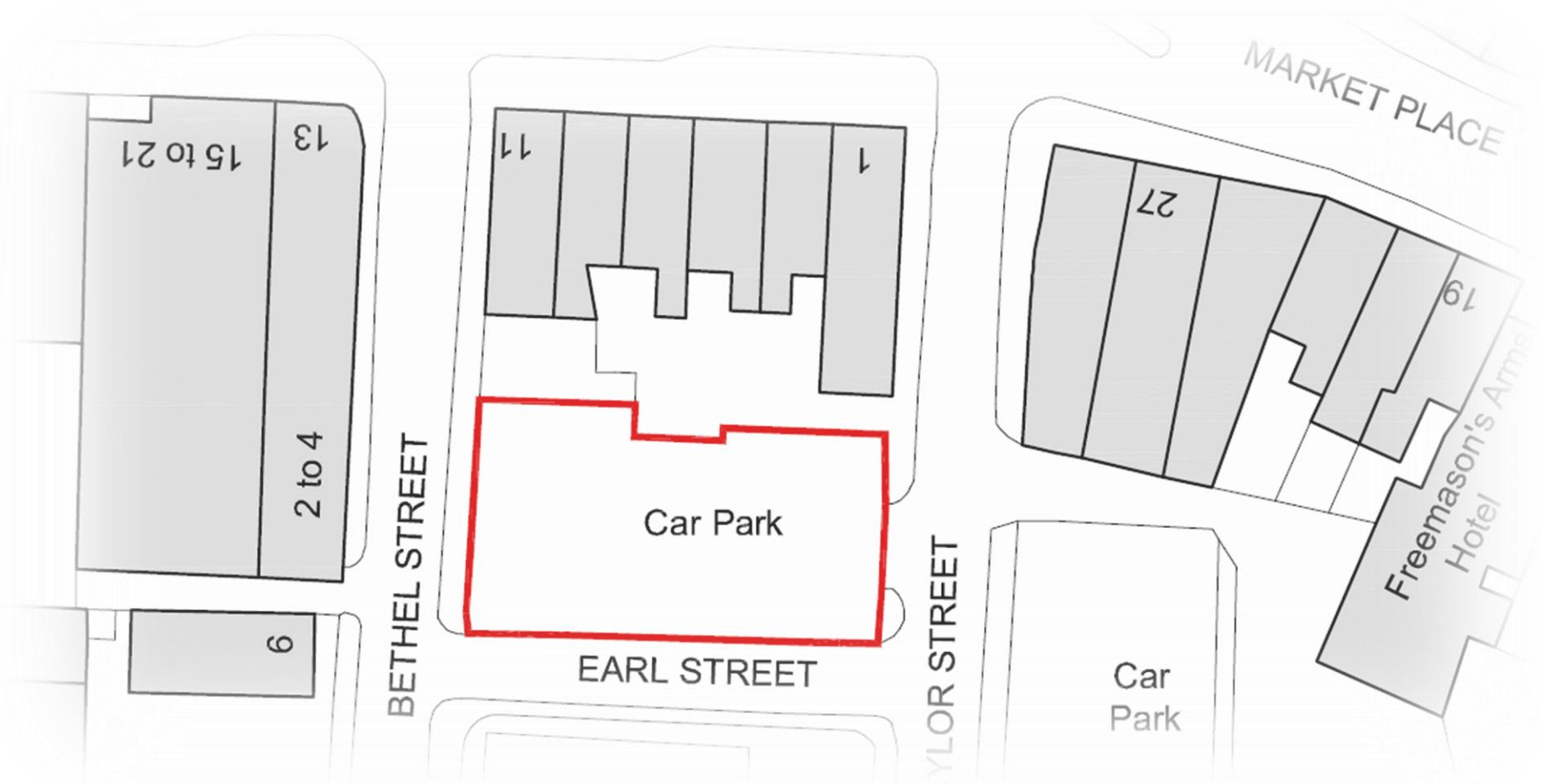
Sunlight Exposure measures the amount of sunlight hours a window may receive on 21st March using specialist software (i.e. IES VE). The assessment is conducted on this date for each opening of a space from a reference point located on the inner surface of the aperture at the center of the opening.

This report has been prepared for planning purposes, and not a Right to Light dispute.

2. Proposed Development

There are proposals for the construction of a four – storey residential apartment development on the Land Bound by Earl Street, Taylor Street and Bethel Street, Rochdale, OL10 1HT.

Location Plan



3. Modelling the site

An analysis model is created of all habitable rooms within each dwelling within the proposed development, all relevant surrounding buildings and obstructions are factored into the analysis, calculations are then run to determine the illuminance levels and exposure to sunlight within those rooms.

The outputs of those calculations can be exported numerically. Using the BRE guidance which gives absolute figures for the acceptable levels of daylight illuminance and sunlight hours, we can then establish if the proposal will have the required levels stipulated by BRE guidelines.

It is important to note that not all nearby features have been modelled, only those that will affect the daylighting. In accordance with BRE recommendations, trees have been omitted from the calculations.

The reference document for this analysis, BRE BR 209 and BS EN 17037:2018 British National Annex, provides the methodology for undertaking the calculations as well as benchmark figures for the acceptable daylight and sunlight levels required within a habitable space.

This study has been calculated in accordance with BRE methodology, using the following parameters for each calculation:

- Room assessment grid excluding a perimeter band of 0.3m from the walls
- Working plane at 0.85m from above floor level
- Minimum room grid point of 0.1m
- Climate based daylight modelling using the correct corresponding weather data file
- Glass transmission is 0.6 (double glazing with low-emissivity coating)
- Angle of visible sky between 72° and 74°
- Vertical glazing
- Area weighted reflectance of room surfaces at 0.5 for internal walls, 0.7 for ceilings, 0.2 for floors and 0.2 for exterior walls, obstructions and exterior ground

It is also worth noting that these figures assume that internal lighting is available to supplement the available daylight. It is considered that if a room has an illuminance result of 50% or more then it will be sufficiently well lit, even in the absence of electric lighting. It is deemed by the guidance that if the BRE criteria are met, then the occupiers of the dwelling will have sufficient daylight, although it should be noted that these figures are guidelines only.

4. Internal Daylight and Sunlight Results

Internal illuminance and sunlight exposure levels for the dwellings have been calculated in accordance with BRE methodology, Climate based daylight modelling using the correct corresponding weather data file at an illuminance value of 8500 lux. The calculations assume a white ceiling, cream walls and mid-grey carpet or wooden floor.

The BS EN 17037 National Annex provides minimum target illuminances for the following room types in UK dwellings:

Illuminance Targets – Method 2:

Room Type	Target Illuminance (lux)
Bedroom	100
Living Room	150
Kitchen	200
Combined Kitchen/Living/Dining Rooms or Studios	200

The above targets should be achieved across at least 50% of the assessment area for at least 50% of the daylight hours.

- Daylight Hours = 4380
- 50% of Daylight Hours = 2190

It is deemed by the guidance that if the above criteria are met, then the occupiers of the dwellings will have sufficient daylight.

Sunlight Exposure

The BS EN 17037 National Annex provides the recommended levels of exposure to sunlight on 21st March:

Level of recommendation for exposure to sunlight	Sunlight exposure (<i>hours</i>)
Minimum	1,5 h
Medium	3,0 h
High	4,0 h

When applying the recommendation to a whole dwelling, the proposal is that at least one habitable room in the dwelling should meet the above criteria.

The criteria applies to rooms of all orientations (even though north facing rooms are unlikely to meet this criteria).

The amount of sunlight can be added together for rooms with windows on difference facades.

Daylight Illuminance Results Summary (Numerical Results can be found in Appendix B)

The results show that all habitable rooms within the proposed development, with the exception of Flat 5 only, meet the required lux levels. All bedrooms experience 100 lux for over 50% of the room assessment area for at least 50% of the available daylight hours and all Studios (with the exception of Flat 5) and Flats with a combined kitchen / living room experience 200 lux for over 50% of the room assessment area for at least 50% of the available daylight hours and satisfy the required criteria in accordance with BRE Guidelines and the new standards as stipulated within BS EN 17037:2018 British Annex.

Previous iterations of this report highlighted a deficiency in daylight provision for Flats 5, 11, 17, and 23. In response, multiple design refinements were undertaken to optimize daylight access for these units. Each iteration yielded measurable improvements, with the final design successfully ensuring that Flats 11, 17, and 23 not only meet but surpass the minimum daylight requirements.

Flat 5, being located on the lowest level and subject to significant obstruction from neighbouring buildings on Bethel Street, may still experience a minor shortfall in daylight. Initially, this flat achieved a daylight factor of just 12%, significantly below the required minimum of 50%. However, following targeted layout modifications by the design team, the second design iteration improved this figure to 31%, and the final iteration further increased it to 38%, representing a marked improvement over the original design.

Sunlight Exposure Results Summary (Numerical Results can be found in Appendix C)

The results show full compliance, all units experience in excess of the minimum 1.5 hours of sunlight exposure on 21st March and therefore satisfy BRE Guidelines

As previously stated, only one habitable room within each dwelling is required to meet the Sunlight Exposure criteria in order to meet BRE Guidelines and satisfy the criteria set out in BS EN 17037:2018 British Annex.

5. Conclusion

Using industry standard methodology, we have made numerical analyses to calculate the recommended levels of daylight for the rooms detailed above. The main criteria used in this analysis to show compliance is the Illuminance Calculation and Sunlight Exposure Calculation in accordance with BRE Guidance, BS EN 17037:2018 British Annex.

In conclusion, the daylight and sunlight assessment confirms that the vast majority of habitable rooms within the proposed development meet or exceed the required lux levels, ensuring bright and comfortable living conditions. Bedrooms and living areas (with the exception of Flat 5) meet the stringent criteria set by BRE Guidelines and BS EN 17037:2018, highlighting the success of the design refinements. Additionally, all units achieve full compliance with sunlight exposure standards, providing more than the minimum 1.5 hours of sunlight on March 21st.

While Flat 5 experiences a minor daylight shortfall due to its location and external obstructions, significant improvements have been made, raising its daylight factor from 12% to 38%. This underscores the design team's commitment to optimizing natural light, even in a dense urban environment. Overall, the development ensures high-quality living spaces and aligns with national planning policies, balancing daylight access with the efficient use of land.

Referencing the national planning policy framework, paragraph 123(c) – *'local planning authorities should refuse applications which they consider fail to make efficient use of land, taking into account the policies in this Framework. In this context, when considering applications for housing, authorities should take a flexible approach in applying policies or guidance relating to daylight and sunlight, where they would otherwise inhibit making efficient use of a site (as long as the resulting scheme would provide acceptable living standards).'*

With this in mind, we must stress that despite the methodology used above and the results that are drawn from it provide helpful guidance to consultants and planning officials, these are purely advisory, how the results are interpreted may depend of the complexity and context of the development as a whole. Generally, urban areas such as the one in question usually experience a higher degree of obstruction and we therefore find it is more accepted that dwellings within these areas receive less daylight and sunlight.

Appendices

Appendix A: Proposed Plans

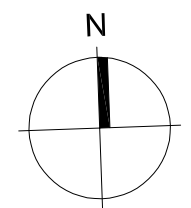
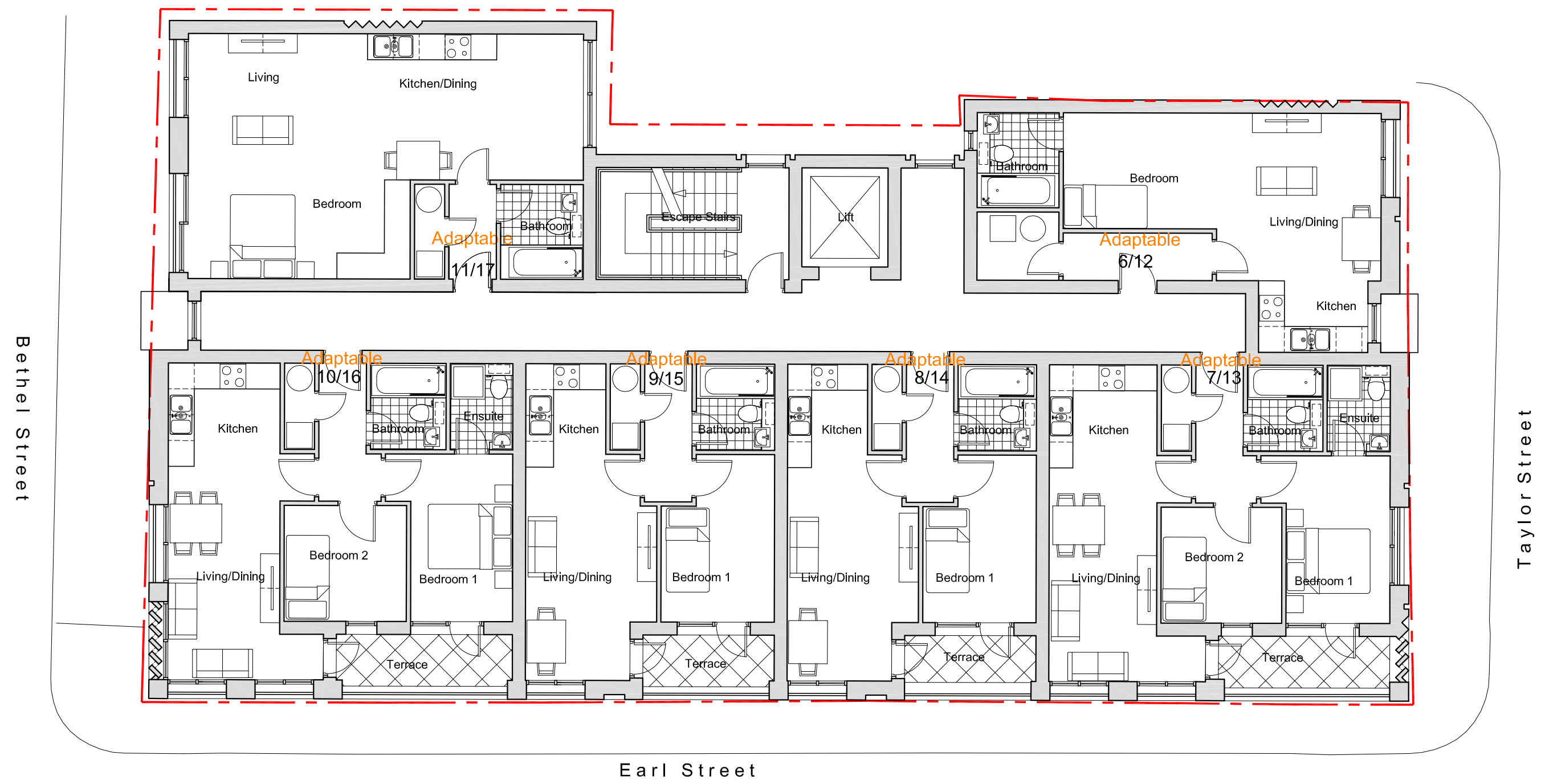
All dimensions are to be checked on site, any discrepancies are to be reported to the Architect before work commences. Do not scale from this drawing.

This drawing is to be read in conjunction with all relevant consultants and specialists drawings / documents, any discrepancies are to be reported to the Architect before the affected work commences.

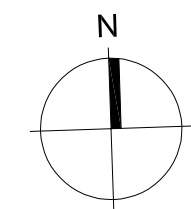
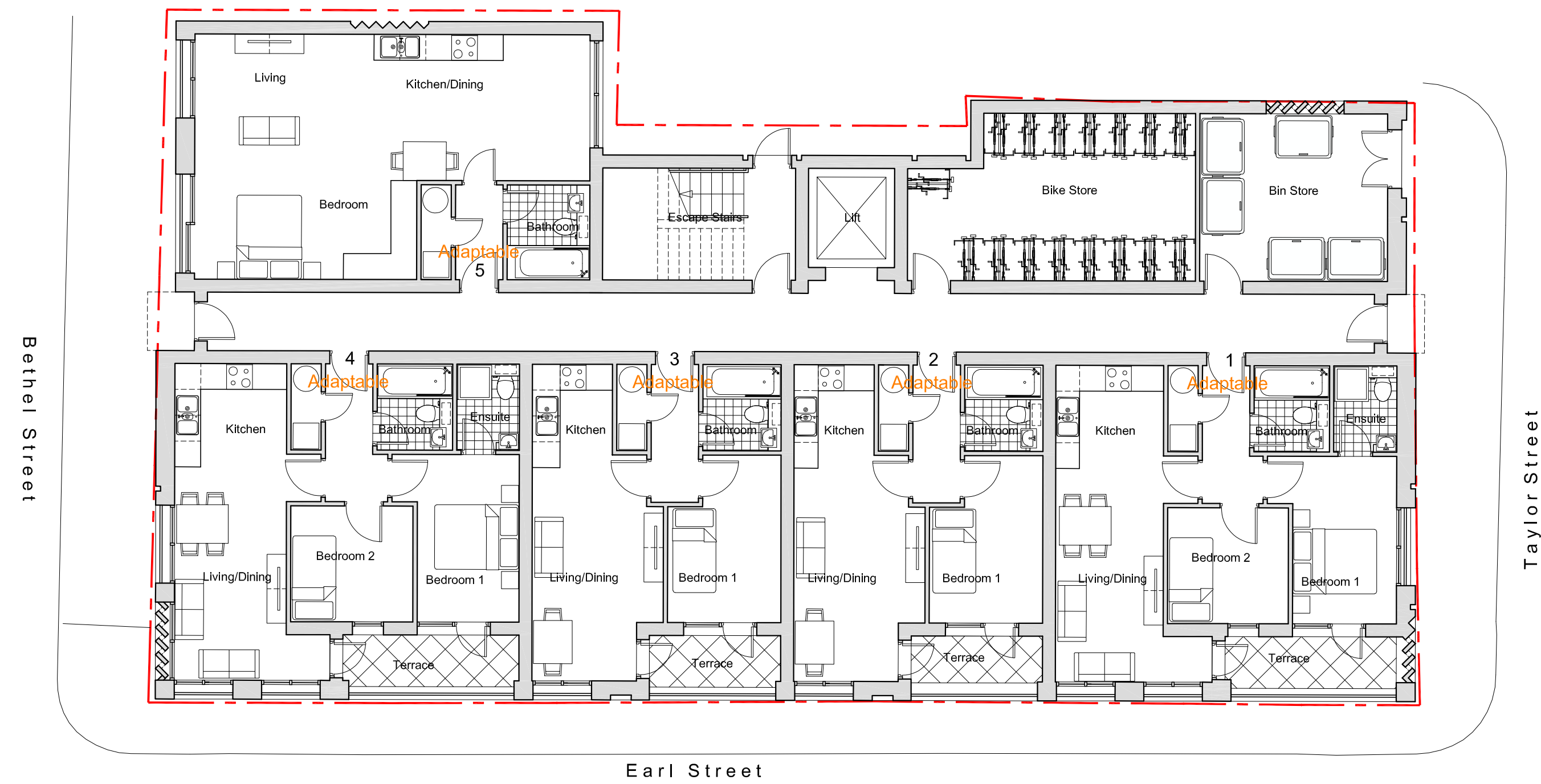
All structural components shown are indicative only. Details / calculations of structural members are to be provided by the Structural Engineer.

This drawing is copyright.

A	First Issue	03/11/2020
B	General Corrections	11/11/2020
C	Amendments following planner's comments on 04/08/2021	03/11/2020
D	Amendments following planner's comments on 08/10/2021	20/10/2021
E	Amendments in preparation for Full Planning Submission requested by client on 27/01/2023	30/01/2023
F	Amendments on second bedrooms sizes following planner's comments on 12/09/2024	16/09/2024
G	Amendments following planner's comments on 20/09/2024	30/09/2024
H	Amendments following Sustainability Consultant's comments on 14/10/2024	14/10/2024
J	Amendments on Kitchen layout for Apartment 5, 11, 17 & 23 for clarity	15/10/2024
K	Amendments following Sustainability Consultant's comments on 15/10/2024	15/10/2024



Proposed Typical 1/F & 2/F Plans 1:100



Proposed GF Plan 1:100

Scale Bar 1:100

0 5 10m

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Client:

Mr. Agron Elezi

Project:

Earl Street, Heywood

Drawing Title:

Proposed G/F and typical 1/F and 2/F Plans

Scale:

1:100 @ A1

Date:

November 2020

Drawing No:

8435/311

Revision:

K

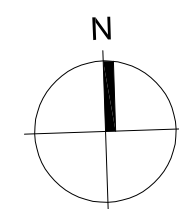
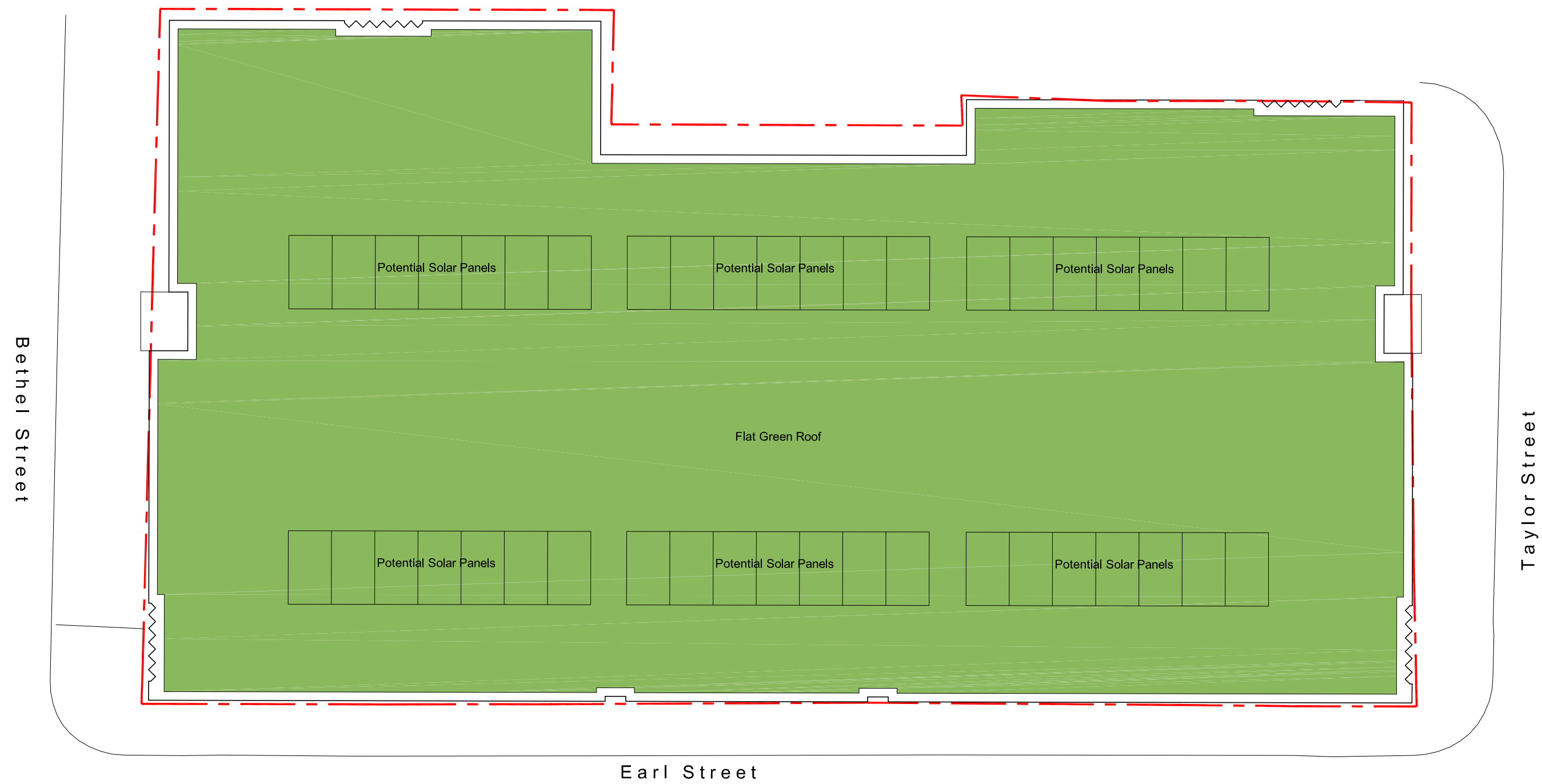
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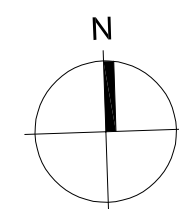
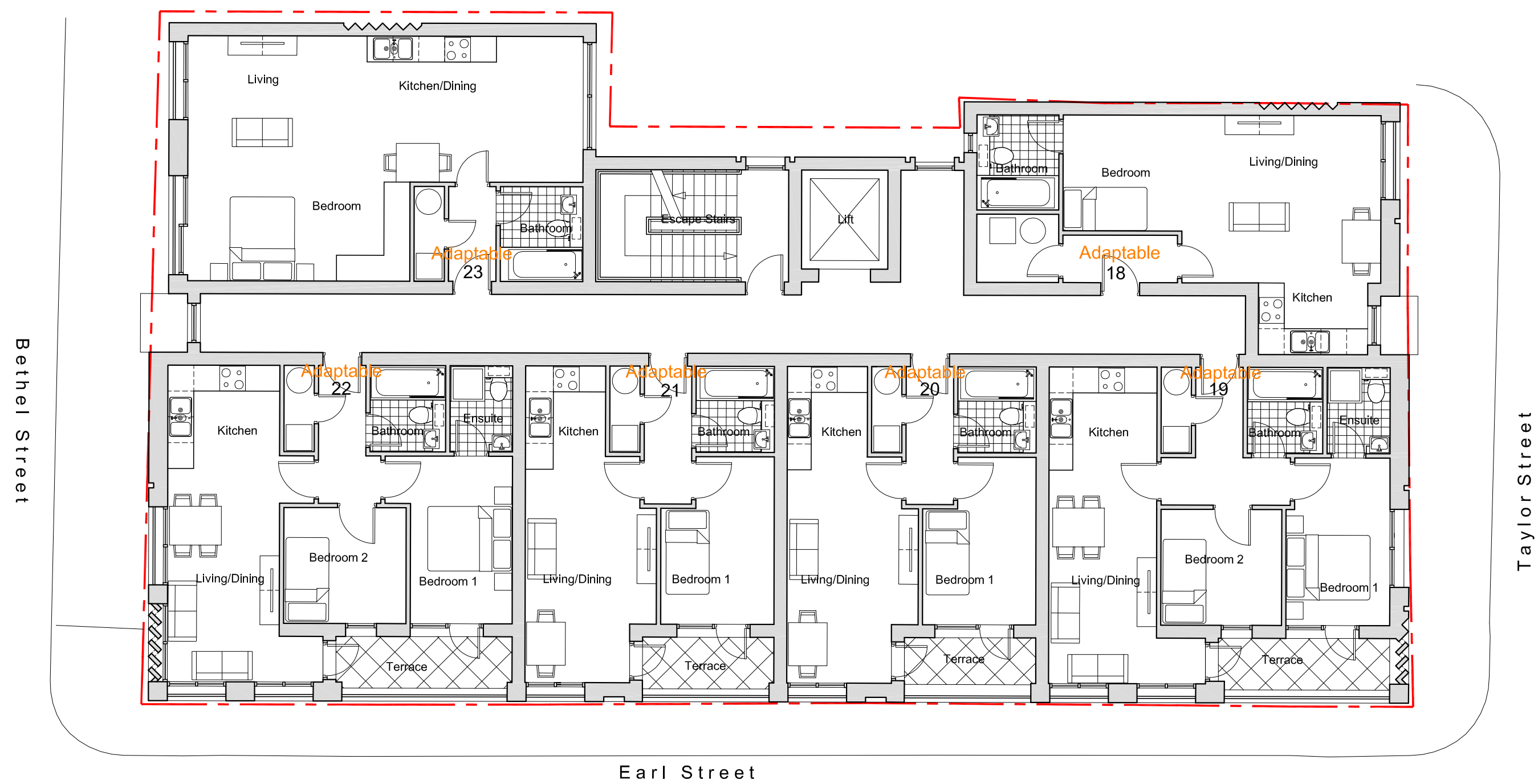
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D	Amendments following planner's comments on 09/10/2021	20/10/2021
E	Amendments in preparation for Full Planning Submission requested by client on 27/01/2023	30/01/2023
F	Amendments following comments received from LPA on 17/01/2024 addition of Green Flat Roof	19/01/2024
G	Amendments on second bedrooms sizes following planner's comments on 12/09/2024	16/09/2024
H	Amendments following planner's comments on 20/09/2024	30/09/2024
J	Amendments following Sustainability Consultant's comments on 14/10/2024	14/10/2024
K	Amendments on kitchen layout for Apartment 5,11,17 & 23 for clarity	15/10/2024
M	Amendments following Sustainability Consultant's comments on 15/10/2024	15/10/2024



Proposed Roof Plan 1:100



Proposed 3/F Plan 1:100

Scale Bar 1:100

0 5 10m

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Client:

Mr. Agron Elezi

Project:

Earl Street, Heywood

Drawing Title:

Proposed 3/F and Roof Plans

Scale:

1:100 @ A1

Date:

November 2020

Drawing No:

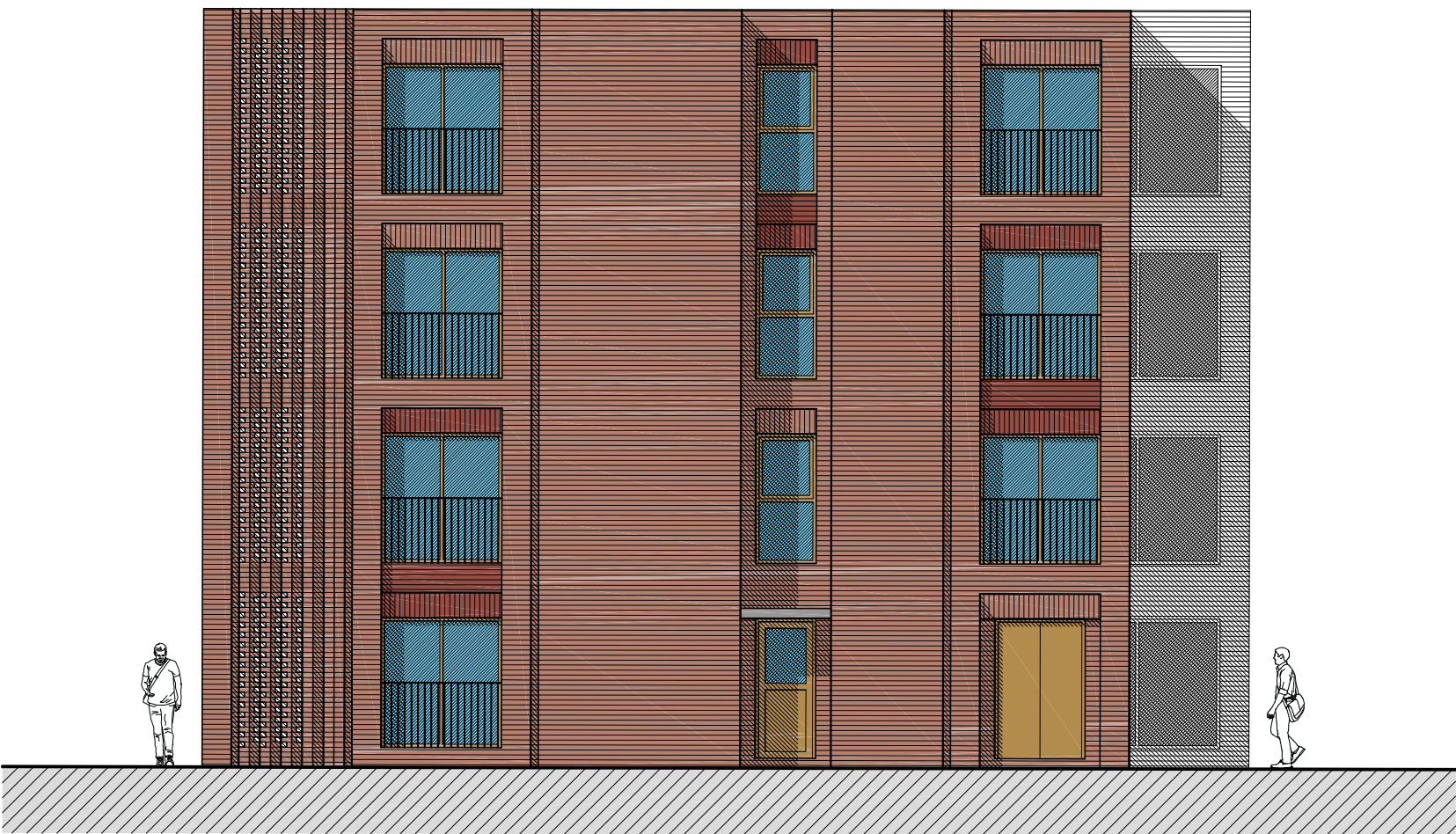
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Revision:

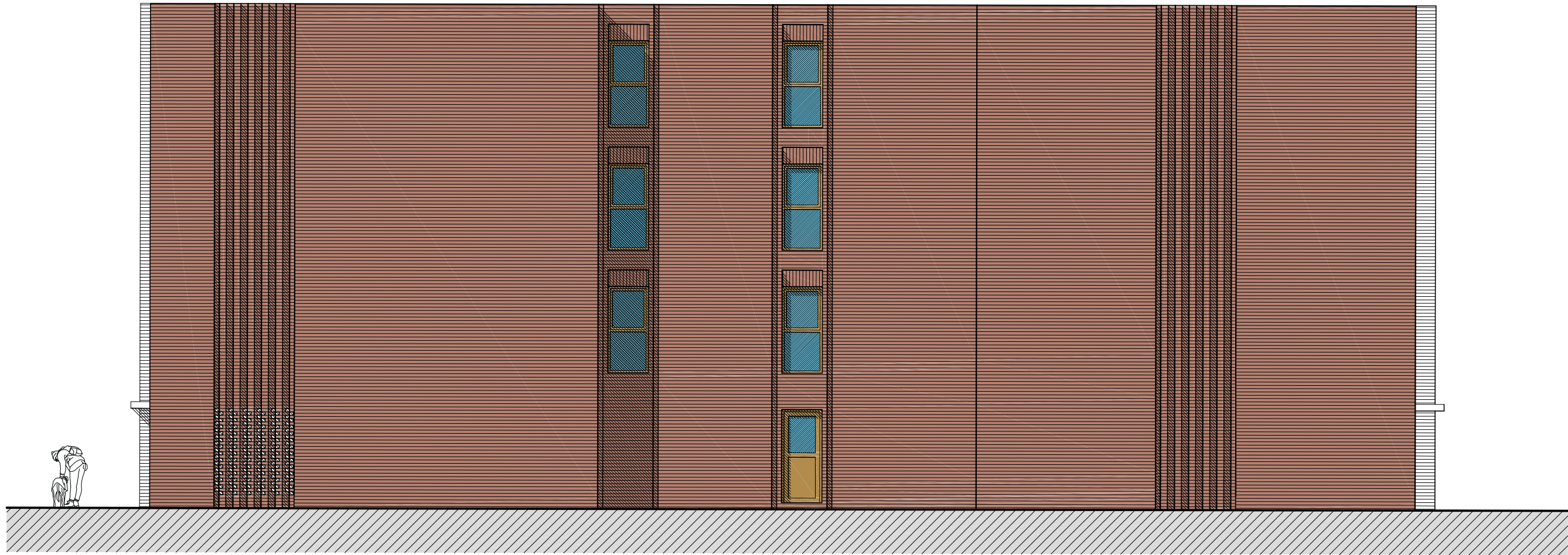
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Proposed Earl Street Elevation 1:100

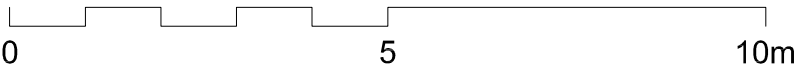


Proposed Taylor Street Elevation 1:100



Proposed Rear Elevation 1:100

Scale Bar 1:100



Proposed Bethel Street Elevation 1:100

Mr. Agron Elezi

Earl Street, Heywood

Proposed Elevations

1:100 @ A1

January 2020

8435/321

M

Appendix B: Daylight Analysis (Spatial Daylight Autonomy – sDA) Numerical Results

Project Name: Land Bound By Earl Street, Taylor Street and Bethel Street, Rochdale, OL10 1HT
Project No: S11345 - Rev2
Report Title: SDA - BS EN 17037 - Proposed Scheme
Date of Analysis: 18.10.2024

						Criteria				
Floor Ref	Unit	Room	Property Type	Room Area (m2)	% of Area Meeting Req Lux	Req Lux	Req % of Effective Area	Req % of Daylight Hours	Daylight Hours	Meets Criteria
Ground Floor	Flat 1	Kitchen/Living Room	Residential	20.3	66.00%	200	50%	50%	4380	Yes
		Bedroom 1	Residential	10	100.00%	100	50%	50%	4380	Yes
		Bedroom 2	Residential	7.5	96.00%	100	50%	50%	4380	Yes
	Flat 2	Kitchen/Living Room	Residential	18.55	57.00%	200	50%	50%	4380	Yes
		Bedroom	Residential	9.3	100.00%	100	50%	50%	4380	Yes
	Flat 3	Kitchen/Living Room	Residential	18.55	58.00%	200	50%	50%	4380	Yes
		Bedroom	Residential	9.3	100.00%	100	50%	50%	4380	Yes
	Flat 4	Kitchen/Living Room	Residential	21.05	98.00%	200	50%	50%	4380	Yes
		Bedroom 1	Residential	9.85	98.00%	100	50%	50%	4380	Yes
		Bedroom 2	Residential	7.6	94.00%	100	50%	50%	4380	Yes
	Flat 5	Studio	Residential	43	38.00%	200	50%	50%	4380	No

						Criteria				
Floor Ref	Unit	Room	Property Type	Room Area (m2)	% of Area Meeting Req Lux	Req Lux	Req % of Effective Area	Req % of Daylight Hours	Daylight Hours	Meets Criteria
First Floor	Flat 6	Studio	Residential	28.65	50.00%	200	50%	50%	4380	Yes
	Flat 7	Kitchen/Living Room	Residential	20.3	72.00%	200	50%	50%	4380	Yes
		Bedroom 1	Residential	10	100.00%	100	50%	50%	4380	Yes
		Bedroom 2	Residential	7.5	96.00%	100	50%	50%	4380	Yes
	Flat 8	Kitchen/Living Room	Residential	18.55	64.00%	200	50%	50%	4380	Yes
		Bedroom	Residential	9.3	100.00%	100	50%	50%	4380	Yes
	Flat 9	Kitchen/Living Room	Residential	18.55	65.00%	200	50%	50%	4380	Yes
		Bedroom	Residential	9.3	100.00%	100	50%	50%	4380	Yes
	Flat 10	Kitchen/Living Room	Residential	21.05	100.00%	200	50%	50%	4380	Yes
		Bedroom 1	Residential	9.85	99.00%	100	50%	50%	4380	Yes
		Bedroom 2	Residential	7.6	94.00%	100	50%	50%	4380	Yes
	Flat 11	Studio	Residential	43	55.00%	200	50%	50%	4380	Yes

						Criteria				
Floor Ref	Unit	Room	Property Type	Room Area (m2)	% of Area Meeting Req Lux	Req Lux	Req % of Effective Area	Req % of Daylight Hours	Daylight Hours	Meets Criteria
Second Floor	Flat 12	Studio	Residential	28.65	54.00%	200	50%	50%	4380	Yes
	Flat 13	Kitchen/Living Room	Residential	20.3	75.00%	200	50%	50%	4380	Yes
		Bedroom 1	Residential	10	100.00%	100	50%	50%	4380	Yes
		Bedroom 2	Residential	7.5	98.00%	100	50%	50%	4380	Yes
	Flat 14	Kitchen/Living Room	Residential	18.55	68.00%	200	50%	50%	4380	Yes
		Bedroom	Residential	9.3	100.00%	100	50%	50%	4380	Yes
	Flat 15	Kitchen/Living Room	Residential	18.55	68.00%	200	50%	50%	4380	Yes
		Bedroom	Residential	9.3	100.00%	100	50%	50%	4380	Yes
	Flat 16	Kitchen/Living Room	Residential	21.05	100.00%	200	50%	50%	4380	Yes
		Bedroom 1	Residential	9.85	99.00%	100	50%	50%	4380	Yes
		Bedroom 2	Residential	7.6	97.00%	100	50%	50%	4380	Yes
	Flat 17	Studio	Residential	43	83.00%	200	50%	50%	4380	Yes

						Criteria				
Floor Ref	Unit	Room	Property Type	Room Area (m2)	% of Area Meeting Req Lux	Req Lux	Req % of Effective Area	Req % of Daylight Hours	Daylight Hours	Meets Criteria
Third Floor	Flat 19	Studio	Residential	28.65	58.00%	200	50%	50%	4380	Yes
	Flat 19	Kitchen/Living Room	Residential	20.3	76.00%	200	50%	50%	4380	Yes
		Bedroom 1	Residential	10	100.00%	100	50%	50%	4380	Yes
		Bedroom 2	Residential	7.5	98.00%	100	50%	50%	4380	Yes
	Flat 20	Kitchen/Living Room	Residential	18.55	69.00%	200	50%	50%	4380	Yes
		Bedroom	Residential	9.3	100.00%	100	50%	50%	4380	Yes
	Flat 21	Kitchen/Living Room	Residential	18.55	70.00%	200	50%	50%	4380	Yes
		Bedroom	Residential	9.3	100.00%	100	50%	50%	4380	Yes
	Flat 22	Kitchen/Living Room	Residential	21.05	100.00%	200	50%	50%	4380	Yes
		Bedroom 1	Residential	9.85	100.00%	100	50%	50%	4380	Yes
		Bedroom 2	Residential	7.6	97.00%	100	50%	50%	4380	Yes
	Flat 23	Studio	Residential	43	100.00%	200	50%	50%	4380	Yes

Appendix C: Sunlight Exposure Numerical Results

Project Name:

Project No:

Report Title:

Date of Analysis:

Land Bound By Earl Street, Taylor Street and Bethel Street, Rochdale, OL10 1HT

S11345 - Rev2

Sunlight Exposure - BS EN 17037 - Proposed Scheme

18.10.2024

Floor Ref	Dwelling Ref	Room	Property Type	Proposed Sunlight Exposure Hours	Rating	Dwelling Compliance (At least 1 room per dwelling has over 1.5 hours Sunlight Exposure)
Ground Floor	Flat 1	Kitchen/Living Room	Residential	9.30	High	Yes
		Bedroom 1	Residential	8.70	High	
		Bedroom 2	Residential	6.20	High	
	Flat 2	Kitchen/Living Room	Residential	9.30	High	Yes
		Bedroom	Residential	5.90	High	
	Flat 3	Kitchen/Living Room	Residential	9.30	High	Yes
		Bedroom	Residential	5.90	High	
	Flat 4	Kitchen/Living Room	Residential	9.20	High	Yes
		Bedroom 1	Residential	6.60	High	
		Bedroom 2	Residential	6.10	High	
	Flat 5	Studio	Residential	2.70	Minimum	Yes

Floor Ref	Dwelling Ref	Room	Property Type	Proposed Sunlight Exposure Hours	Rating	Dwelling Compliance (At least 1 room per dwelling has over 1.5 hours Sunlight Exposure)
First Floor	Flat 6	Studio	Residential	4.50	High	Yes
	Flat 7	Kitchen/Living Room	Residential	9.30	High	Yes
		Bedroom 1	Residential	8.70	High	
		Bedroom 2	Residential	6.20	High	
	Flat 8	Kitchen/Living Room	Residential	9.30	High	Yes
		Bedroom	Residential	5.90	High	
	Flat 9	Kitchen/Living Room	Residential	9.30	High	Yes
		Bedroom	Residential	5.90	High	
	Flat 10	Kitchen/Living Room	Residential	9.30	High	Yes
		Bedroom 1	Residential	6.60	High	
		Bedroom 2	Residential	6.10	High	
	Flat 11	Studio	Residential	3.20	Medium	Yes

Floor Ref	Dwelling Ref	Room	Property Type	Proposed Sunlight Exposure Hours	Rating	Dwelling Compliance (At least 1 room per dwelling has over 1.5 hours Sunlight Exposure)
Seond Floor	Flat 12	Studio	Residential	4.50	High	Yes
	Flat 13	Kitchen/Living Room	Residential	9.30	High	Yes
		Bedroom 1	Residential	8.70	High	
		Bedroom 2	Residential	6.20	High	
	Flat 14	Kitchen/Living Room	Residential	9.30	High	Yes
		Bedroom	Residential	5.90	High	
	Flat 15	Kitchen/Living Room	Residential	9.30	High	Yes
		Bedroom	Residential	5.90	High	
	Flat 16	Kitchen/Living Room	Residential	9.30	High	Yes
		Bedroom 1	Residential	6.60	High	
		Bedroom 2	Residential	6.10	High	
	Flat 17	Studio	Residential	4.40	High	Yes

Floor Ref	Dwelling Ref	Room	Property Type	Proposed Sunlight Exposure Hours	Rating	Dwelling Compliance (At least 1 room per dwelling has over 1.5 hours Sunlight Exposure)
Third Floor	Flat 18	Studio	Residential	4.70	High	Yes
	Flat 19	Kitchen/Living Room	Residential	9.30	High	Yes
		Bedroom 1	Residential	8.70	High	
		Bedroom 2	Residential	6.20	High	
	Flat 20	Kitchen/Living Room	Residential	9.30	High	Yes
		Bedroom	Residential	5.90	High	
	Flat 21	Kitchen/Living Room	Residential	9.30	High	Yes
		Bedroom	Residential	5.90	High	
	Flat 22	Kitchen/Living Room	Residential	9.30	High	Yes
		Bedroom 1	Residential	6.60	High	
		Bedroom 2	Residential	6.10	High	
	Flat 23	Studio	Residential	4.70	High	Yes