

Proximity

Daylight & Sunlight Amenity Impact Assessment Report

85 Rochdale Road Phase II, Manchester

McGoff Group Projects Limited

Our Ref: 2257/MPS/JM Rev 01

23 March 2026



Executive Summary

The daylight and sunlight amenity of the following neighbouring buildings has been impact assessed:

- > Phase 1 Apartment Buildings, 87 Rochdale Road, Manchester, M4 4JD;
- > Phase 1 Coach Houses, Gould Street, Manchester;
- > 6 Ludgate Hill, Manchester, M4 4BW;
- > Citadel Apartments, Ludgate Hill, Manchester M4 4AL;
- > 18-20 Rochdale Road, Manchester, M4 4JQ.

Notwithstanding reductions in daylight and sunlight amenity, overall the impact on these neighbouring receptors is predominantly appropriate and balanced.

Impacts on neighbouring daylight and sunlight amenity are inherent to the uplift in density envisioned for the Site and wider 'New Town' area defined in the Victoria North Strategic Regeneration Framework. Impacts are therefore reasonably anticipated with any redevelopment that aligns with the SRF's aspirations for higher density housing types in this part of Manchester City Centre.

Introduction

McGoff Group Projects Limited (“the Applicant”) has developed a proposal comprising the demolition of the existing vacant retail building at 85 Rochdale Road, followed by the erection of a 17 storey residential apartment building (Use Class C3 (a) with associated access, landscaping, public realm, infrastructure and other associated works.

Proximity is appointed to consider and evaluate the daylight and sunlight amenity impact of the Proposed Development on the surrounding built environment.

This Report confirms our assessment methodology, findings and opinions.

This impact assessment is written around the provisions of the Building Research Establishment’s (“BRE”) *Site Layout Planning for Daylight and Sunlight: A Guide to Good Practice*. The Guide provides an objective means for evaluating daylight and sunlight amenity impacts in the built environment.

A daylight and sunlight technical analysis has been undertaken which has measured, using computerised 3D massing simulations of the Site and its surroundings and specialist computer software, the daylight and sunlight amenity available to the identified neighbouring receptors, both as existing and as proposed. This Report is written around the results of this technical assessment.

The Site facing windows of the habitable rooms within the following neighbouring buildings are identified as receptors and have been daylight and sunlight amenity impact appraised:

- > Phase 1 Apartment Buildings, 87 Rochdale Road, Manchester, M4 4JD;
- > Phase 1 Coach Houses, Gould Street, Manchester;
- > 6 Ludgate Hill, Manchester, M4 4BW;
- > Citadel Apartments, Ludgate Hill, Manchester M4 4AL;
- > 18-20 Rochdale Road, Manchester, M4 4JQ.

In addition to the above, the external terraces associated with the Coach Houses, the terrace atop part of the Marble Arch public house, and the beer garden space of the Marble Arch, both to the immediate west of the Site, are identified as external amenity spaces worthy of Time in Sun review.

Appendix 1 provides details on the assumptions, limitations and clarifications that have been made in producing this Report, along with the third-party information that has been relied upon in producing the analysis model and results.

The Citadel
Apartments

Phase 1
Apartment
Buildings

Phase 1
Coach
Houses

18-20 Rochdale
Road

6 Ludgate Hill

The
neighbouring
buildings that
have been impact
appraised as part
of this
assessment are
edged blue.

The Site (edged red)
is partly occupied
by the exiting
buildings known as
85 Rochdale Road.
The remainder of
the Site is free of
any massing
buildings.

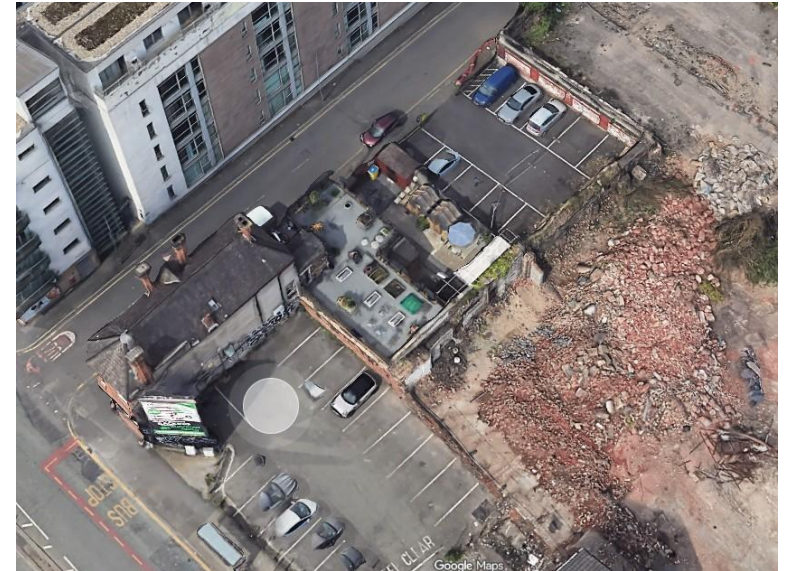
The Site is located at the edge of Manchester City Centre, as defined in the Core Strategy (2012). A proposed update to the Local Plan, currently in draft for consultation, would see the expansion of the City Centre meaning that the Site would no longer be at the fringes, but well within the bounds of the City Centre, which is an area of existing and future high density.

The Site is also located in the 'New Town' neighbourhood as defined in the 2019 Victoria North Strategic Regeneration Framework ("the SRF").

The SRF states that New Town "*represents an opportunity to establish a range of higher-density housing types*".



Proximity



Other Neighbouring Buildings

For completeness, we acknowledge the presence of other residential buildings in the wider vicinity of the Site to the south west.

These buildings are, however, too far away from the Site, given the mass of the Proposed Development.

We are comfortable that the Proposed Development, at the scale at which it is proposed, will have no significant adverse impact on daylight nor sunlight amenity of these buildings.

We also acknowledge the proposed Gasworks Development to the north of the Site. On the basis that construction of this development is yet to commence, and the land is currently used as a surface carpark, it is not presently considered a sensitive receptor worthy of impact appraisal.

We have however included its massing in the Baseline of our assessment, so that daylight amenity of neighbouring receptors don't unduly benefit from light over a large area of land that has planning approval for redevelopment.

An aerial, isometric view of a city block. A central building is highlighted in orange, representing the proposed development. It is a tall, rectangular structure with a flat roof and a grid-like facade. Surrounding it are various other buildings of different heights and shapes, mostly in light gray. The streets are shown as gray lines with some green patches indicating landscaping or parks. The overall scene is a 3D architectural rendering.

The Proposed
Development
comprises the
demolition of the
existing vacant
building on the Site,
and construction of
a 17 storey
apartment building.

BRE Guidance

The purpose of the BRE Guidance is to assist in evaluating the relationship between new and existing buildings to ensure that each retains the potential to achieve a “fair share” of daylight and sunlight given their relative siting, height and mass. The BRE Guidance is technically robust and has become the industry standard methodology for assessing daylight and sunlight amenity in the built environment.

The provisions of the BRE Guidance are not mandatory and the BRE have taken steps to confirm that it should not be read as an instrument of planning policy in that “It is purely advisory and the numerical target values within it may be varied to meet the needs of the development and its location”.

"The guide is intended for building designers and their clients, consultants and planning officials. The advice given here is not mandatory and this document should not be seen as an instrument of planning policy. Its aim is to help rather than constrain the designer. Although it gives numerical guidelines, these should be interpreted flexibly because natural daylight is only one of many factors in site layout design".

Daylight Amenity Tests

The BRE Guidance confirms that its daylight provisions are intended for use for rooms in neighbouring dwellings where daylight is required, which would include living rooms, kitchens and bedrooms.

It goes on to confirm that windows serving bathrooms, toilets, storerooms, circulation areas, and garages, i.e. rooms of ancillary use and function, need not be analysed.

The BRE daylight test has two parts – the Vertical Sky Component (“VSC”) and No Sky Line (“NSL”).

The VSC is a unit of measurement that represents the amount of visible sky capable of being received at the external face of a window. It is expressed as a percentage, as it is the ratio between the amount of visible sky available to the window being tested, compared to that available from a totally unobstructed sky. For a window serving a habitable room the aspirational VSC target is 27%.

The BRE Guidance notes that where VSC values remain at least 0.8x of the baseline values, the reduction may not be noticeable to room occupants and is considered not significant.

The NSL is measured at an internal working plane within a room and divides those parts of it which can and cannot see the sky through its window provision. Those parts of a room beyond the NSL usually look dark and gloomy, compared with the rest of the room, because they receive no direct light.

The BRE Guidance confirms that a reduction in baseline NSL of up to 20% (or to 0.8x baseline value) is unlikely to be noticed by the room occupants. Such an impact would be negligible and not significant.

Sunlight Amenity (in Buildings) Test

The BRE Guidance states that *“if a living room of an existing dwelling has a main window facing within 90° of due south and any part of the new development subtends an angle of more than 25° to the horizontal ... the sunlighting of the existing dwelling may be adversely affected”*.

Living room windows should be tested if orientated within 90 degrees of due south, and sunlight may be adversely affected if the living room window:

“...receives less than 25% of annual probable sunlight hours (“APSH”), or less than 5% of annual probable sunlight hours between 21 September and 21 March”.

The BRE Guidance notes that where sunlight results remain to at least 0.8x of the baseline values, the reduction in annual or winter sunlight may not be noticeable to room occupants (and negligible).

Sunlight Amenity (to External Amenity Areas) Test

The BRE recommend that the availability of sunlight should be checked for all external spaces where it will be required, and this would normally include:

- > Gardens, usually the main back garden of a house;
- > Parks and playing fields;
- > Children's playgrounds;
- > Outdoor swimming pools and paddling pools;
- > Sitting out areas, such as those between non-domestic buildings / public squares; and
- > Focal points such as monuments or fountains.

The BRE Guidance recommends

“that for it to appear adequately sunlit throughout the year, at least half of a garden or amenity area should receive at least two hours of sunlight on 21 March. If, as a result of new development an existing garden or amenity area does not meet the above, and the area which can receive two hours of sun on 21 March is less than 0.8 times its former value, then the loss of sunlight is likely to be noticeable”.

Alternative Targets

The BRE acknowledge the need for the provisions of the Guidance to be applied and interpreted flexibly, including adjustment in, for example, historic City Centres, or in an area with modern high-rise buildings. In such environments the BRE note that a higher degree of obstruction may be unavoidable.

Proximity consider the setting of alternative targets to be a necessary means of adjusting the BRE Guidance for use in an environment such as this Site.

A generic alternative daylight target of **21.6% VSC** is considered appropriate for higher density massing environments, such as Manchester City Centre, through the application of BRE principles.

A **21.6% VSC** means that the window would still have access to more than half of the sky dome that is realistically available to an unobstructed window located in a vertical plane or elevation.

Alternative **APSH** targets of **4% winter APSH** (rather than the low density 5%) and **20% annual APSH** (rather than 25%) can be set through the application of BRE principles.

If referred to in this Report, these have been described as “Acceptable Tolerance” results.

Technical Assessment

We have undertaken a technical analysis of the identified neighbouring receptors.

We have considered the results of this technical analysis on a property by property basis below, with tabulated technical analysis results and NSL contours found in Appendix 2.

We have measured the daylight impact of the Proposed Development against the BRE's 27% VSC target. Where a VSC of at least 21.6% is achieved, these are considered to be within a perceived acceptable tolerance of the BRE target, allowing for the city centre context.

The tabulated VSC and NSL results have been colour annotated for ease of review, as follows:

- > Green indicates the result achieves the unmodified BRE target;
- > Amber indicates the result comes within an 'Acceptable Tolerance' of the unmodified BRE target (i.e. it achieves the generic Alternative Target of 21.6% VSC / 20% APSH and 4% Winter PSH.
- > Pink indicates that the result is less than the Acceptable Tolerance target.

Results in the 'Pr/Ex' column show the proposed value as a proportion of the baseline value.

These results are colour annotated pink or green based on whether the proposed result is, respectively, less than or greater than 0.8x the Baseline value.

Proposed "Pr/Ex" results that are greater than 0.8x Baseline Values are coloured green and are considered acceptable to the BRE on the basis that any reduction in VSC, NSL or APSH would not be noticed by the room occupants. Effectively, this impact is considered to be negligible.

Therefore, a pink result for VSC or APSH are considered BRE compliant if the Pr/Ex result is coloured green (i.e., the result in the Proposed Condition is not $< 0.8x$ baseline values, and therefore not noticeable to the room occupants).

To explain the NSL contour plots, the area of the room within the amber contour receives access to direct sky light. The hatched area of the room identifies each neighbouring room that will lose direct access to sky visibility, because of the Proposed Development.

Phase 1 Apartment Buildings, 87
Rochdale Road, Manchester, M4 4JD



Daylight Amenity

318 windows, serving 256 individual rooms, have been daylight amenity impact appraised across these two tower buildings of Phase 1 of the Proposed Development.

In the Baseline Condition, 208 of these windows (65%) would achieve the VSC target of 27%. 110 windows (35%) would not achieve the VSC target in the Baseline Condition, these windows predominantly being those with an outlook towards the adjacent tower building. For these windows – examples being those serving rooms R16, R17, and R18 – VSCs of 5-10% are common in the Baseline Condition.

In the Proposed Condition 114 windows (36%) would either continue to achieve the BRE's VSC Target, or retain VSC figures of at least 0.8x baseline values – a reduction that is considered acceptable to the BRE on the grounds that it would not be noticed by the room occupants / users.

A further 5 windows (2%) would achieve the Acceptable Tolerance VSC target of 21.6%, which Proximity considers to be within a perceived acceptable tolerance of the BRE target and in our opinion appropriate for areas of current and future high-density massing, (including areas / locations where planning policy and guidance supports an uplift in density).

199 windows would not achieve the VSC target.

Of the 256 rooms appraised, 132 rooms (52%) would experience either no reduction or negligible reductions in NSL. 124 rooms – comprising 40 LKDs and 84 bedrooms – would experience a reduction in NSL that could be noticeable to room occupants.

Phase 1 Apartment Buildings, 87
Rochdale Road, Manchester, M4 4JD

Daylight Amenity (cont.)

Living-Kitchen-Dining rooms (“LKDs”) are identified within the BRE Guidance as rooms of greater daylight sensitivity. Approaching two thirds (59 of 99 LKDs appraised; 60%) would pass the NSL test, experiencing negligible impacts on NSL. The remaining 40 LKDs would experience adverse impacts ranging from low to high magnitudes of change.

Overall, in our opinion the impact of the Proposed Development on the daylight amenity impact of these Phase 1 buildings is appropriate and balanced.

The apparent significance of the impact and magnitudes of change is in part a factor of many of these rooms overlooking an open parcel of land, and enjoying elevated levels of daylight in the Baseline Condition.

Further, the residual daylight amenity of rooms within these Phase 1 buildings, following construction of the Proposed Development, is comparable to that of the rooms (in the Baseline Condition) where the buildings overlook one another (e.g. Rooms 16, 17 and 18 on each floor).

The position of the Proposed Development relative to these two buildings is comparable to the spacing between the buildings themselves. On that basis, residual levels of amenity to Site-facing rooms following construction of the Proposed Development aligns with the baseline levels of amenity of rooms overlooking the other tower. Comparable levels of daylight amenity will already exist within parts of the Phase 1 buildings before the Proposed Development is constructed.

Phase 1 Apartment Buildings, 87
Rochdale Road, Manchester, M4 4JD

Sunlight Amenity (Buildings)

223 rooms (88 LKDs; 135 bedrooms), served by 285 individual windows, have been sunlight impact appraised.

In the Baseline Condition, 221 rooms (99%) achieve both the annual and winter sunlight targets. This very high proportion of rooms achieving both targets is due to the Site being an open parcel of land, permitting high levels of sunlight amenity. Two rooms at first and second floor level would achieve the winter sunlight target but not the annual target. These two rooms are located at low level where the buildings overlook one another.

In the Proposed Condition:

- > 85 rooms (38% of those appraised) would continue to achieve both sunlight targets or retain APSH values of at least 0.8x the baseline values.
- > 38 rooms (17%) would achieve the BRE annual and winter sunlight targets, or achieve values that are within a perceived acceptable tolerance of them.
- > 64 rooms (29%) would achieve (or come within a perceived acceptable tolerance of) either annual or winter target, but not the other.
- > 36 rooms (16%) would achieve neither the annual nor winter sunlight target, with reductions noticeable to room occupants.

Focusing on the 36 rooms which achieve neither target, the majority (21) are bedrooms. In accordance with the BRE Guidance, bedrooms are a low sensitivity sunlight receptor in multiroom apartments. The remaining 15 LKDs, located between ground and sixth floor level, are a small minority of both LKDs and total rooms overall.

Phase 1 Apartment Buildings, 87
Rochdale Road, Manchester, M4 4JD

Sunlight Amenity (Buildings)(cont.)

Impacts on these rooms of greater sunlight sensitivity are generally localised to a minority of LKD rooms.

Overall, in our opinion impacts on sunlight amenity of this neighbouring building are appropriate and balanced.

The Site being an open parcel of land means that levels of sunlight amenity enjoyed in the Baseline Condition are elevated compared to City Centre windows that overlook neighbouring buildings. Impacts resulting from development are therefore both likely to be present and of a greater magnitude of change.

Notwithstanding the above, the impact on sunlight amenity to more than half of these buildings' rooms is not significant, and adverse impacts are to be reasonably anticipated, given the Site is within an area identified by the SRF as an opportunity to establish a range of higher-density housing types.

Sunlight Amenity (External Amenity Spaces)

There are no external amenity areas associated with this neighbouring building.

Proximity

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Tel: 0345 257 5535

CLIENT:
Portwood Developments Ltd

PROJECT:
Rochdale Road Phase 2
Manchester

DRAWING TITLE:
Contour Plots
Daylight Distribution

SCALE @ A2: NTS	DATE: 10.03.2026	DRAWN: PRX	CHECKED: DMH
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DRAWING NUMBER: 2257_MA-13	REV: 01
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REV:	NOTES:	DRWN:	DATE:

Massing Legend

Existing

Proposed

All heights in m AOD

DD Legend

Room Area (Measured Layout)

Existing NoSky Area

Proposed NoSky Area

Area of Loss/Gain

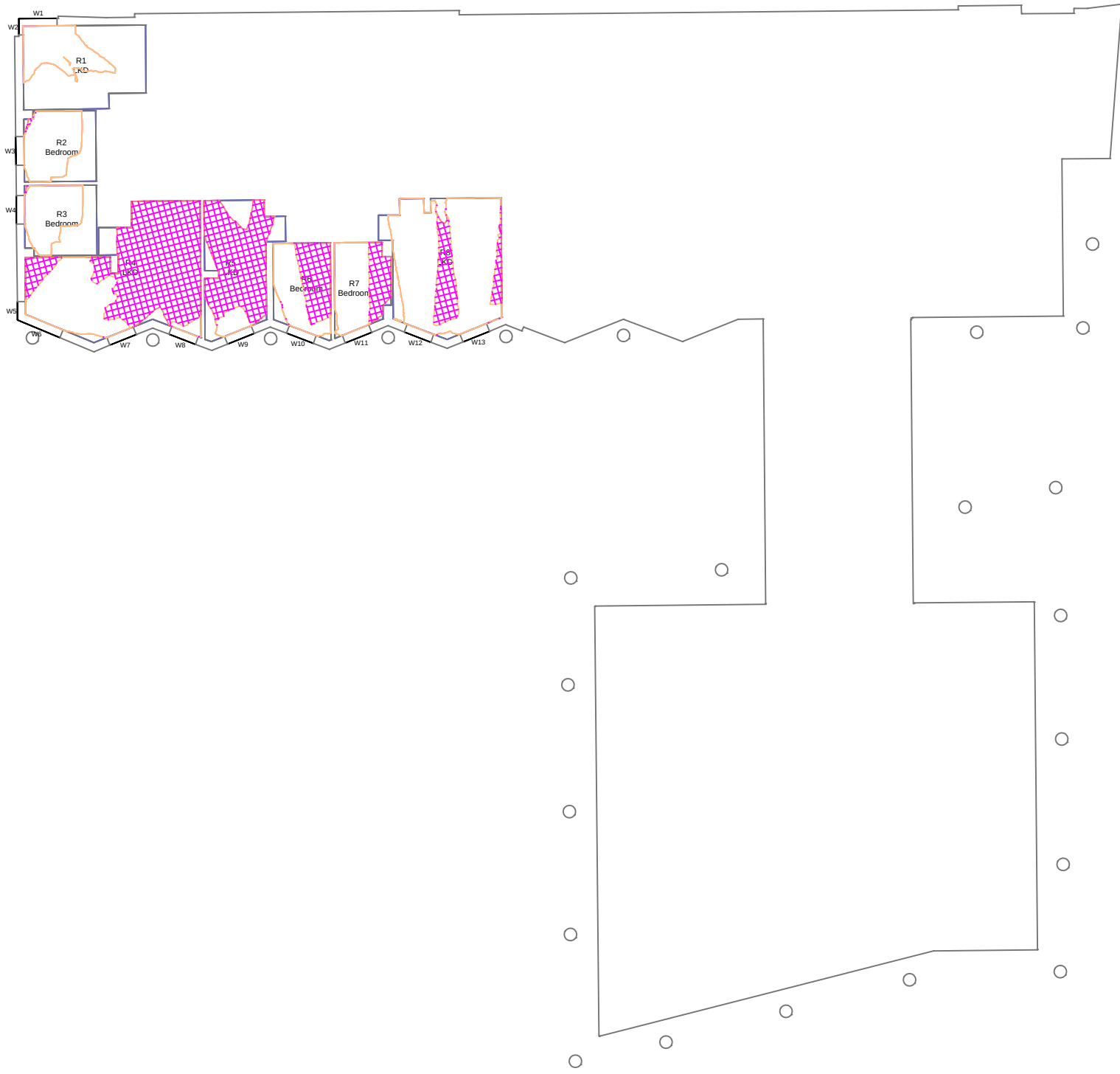
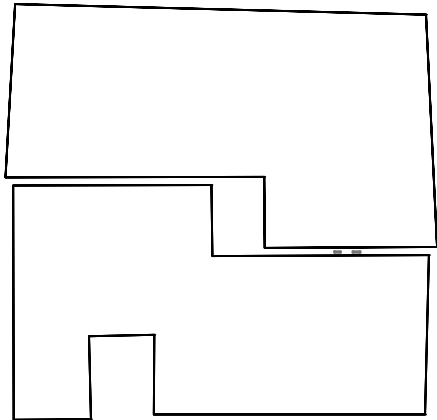
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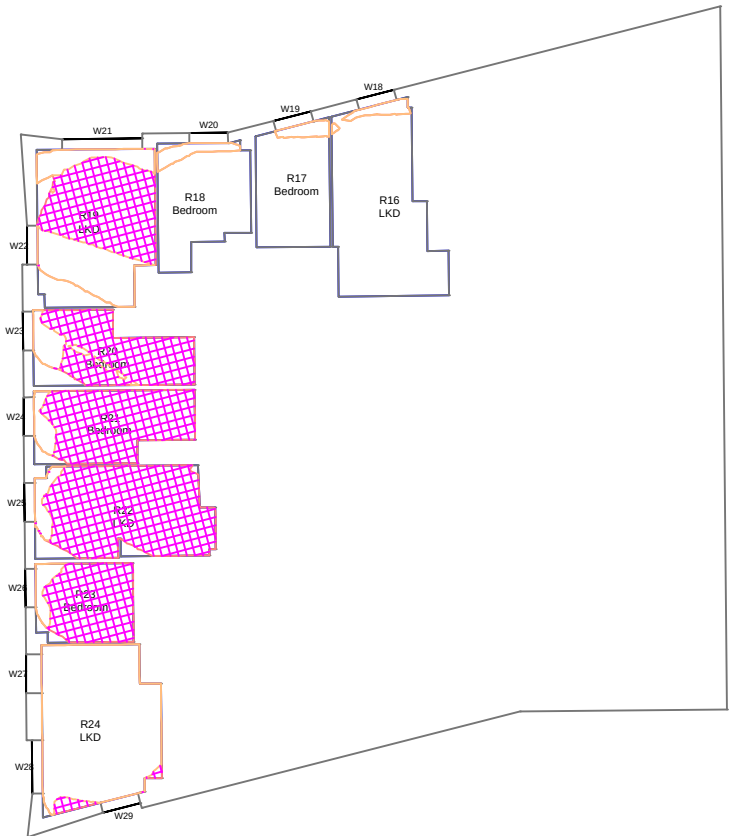
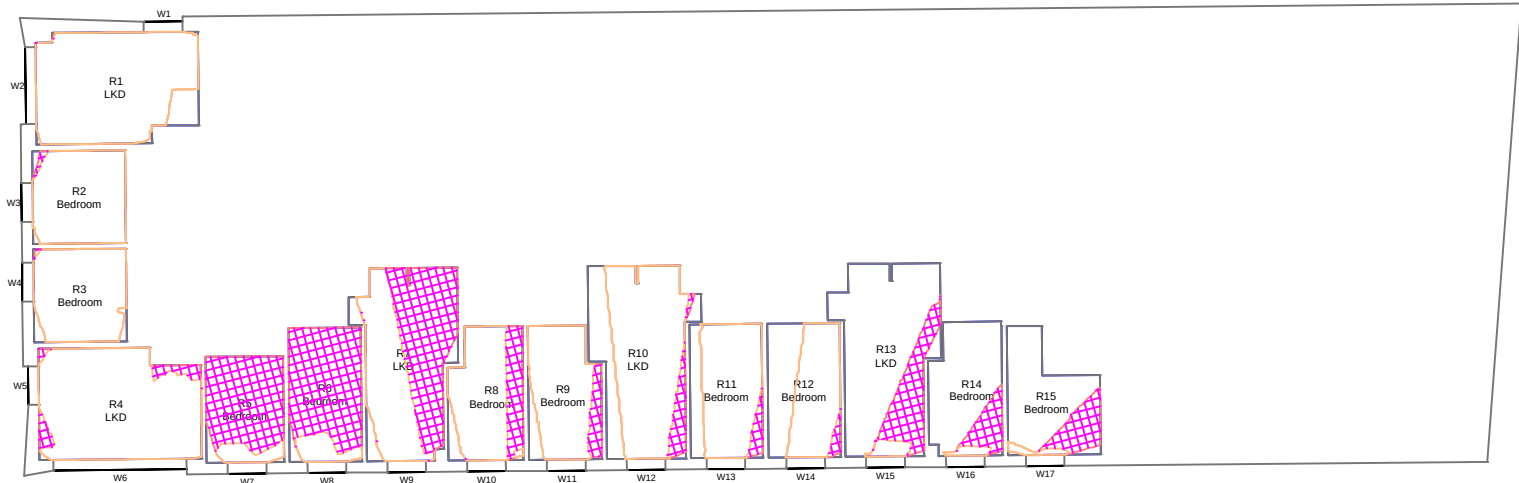
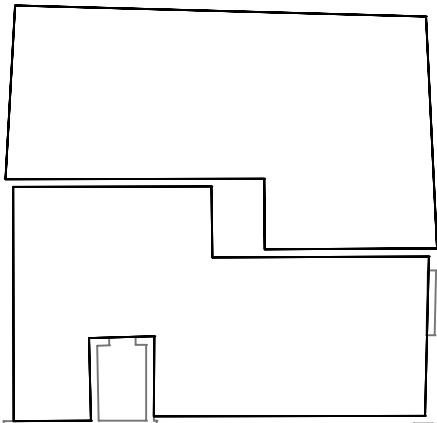
Phase 1 Apartment Buildings

Ground Floor



Phase 1 Apartment Buildings

First Floor



Proximity

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Tel: 0345 257 5535

CLIENT:
Portwood Developments Ltd

PROJECT:
Rochdale Road Phase 2
Manchester

DRAWING TITLE:
Contour Plots
Daylgiht Distribution

SCALE @ A2: NTS	DATE: 10.03.2026	DRAWN: PRX	CHECKED: DMH
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REV:	NOTES:	DRWN:	DATE:

Massing Legend

Existing

Proposed

All heights in m AOD

DD Legend

Room Area (Measured Layout)

Existing NoSky Area

Proposed NoSky Area

Area of Loss/Gain

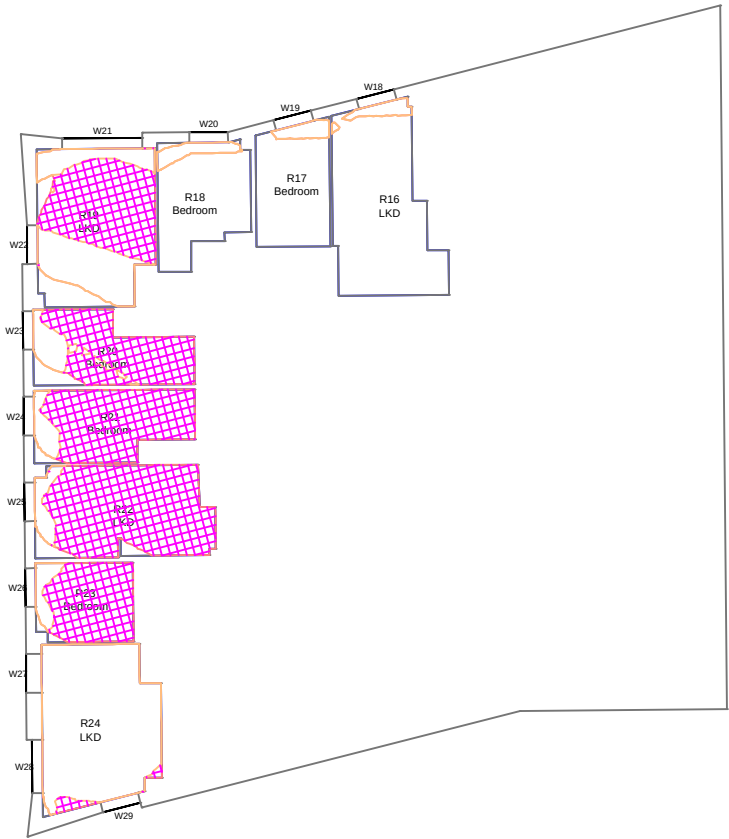
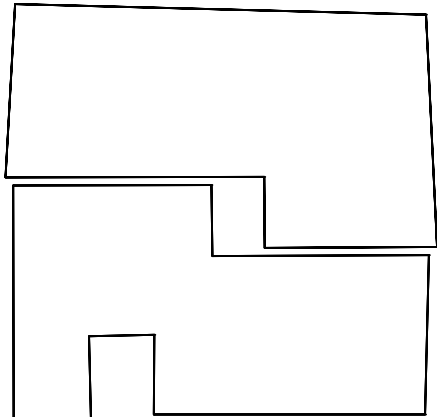
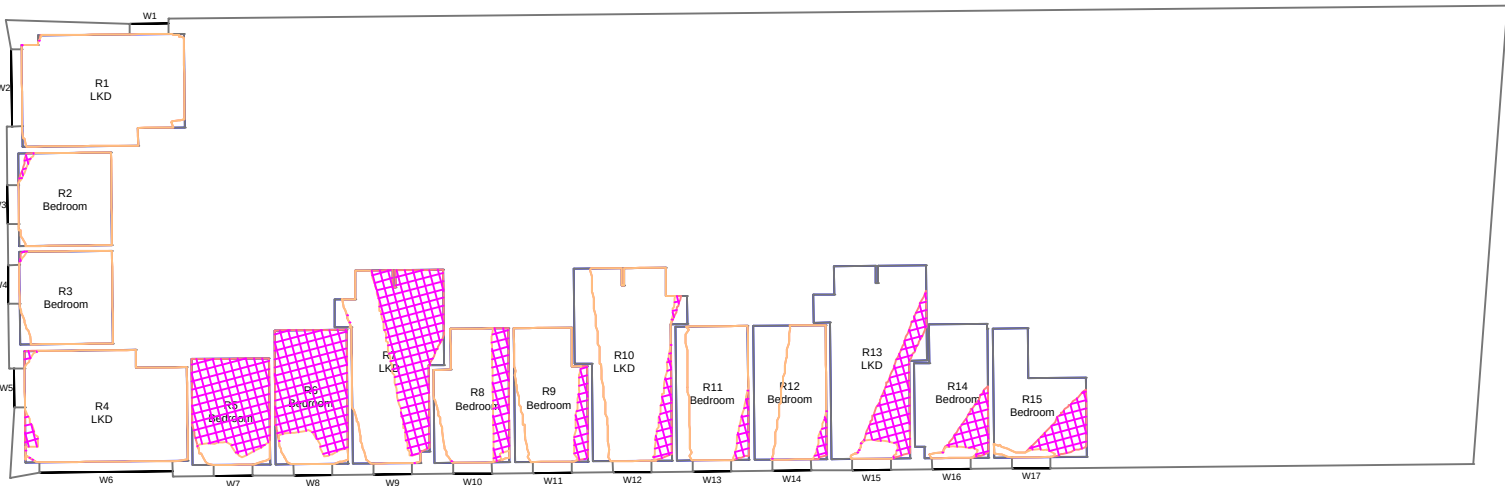
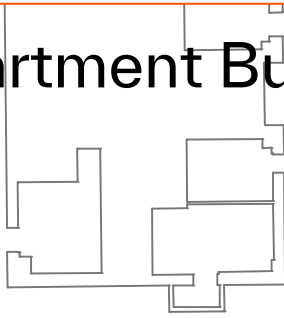
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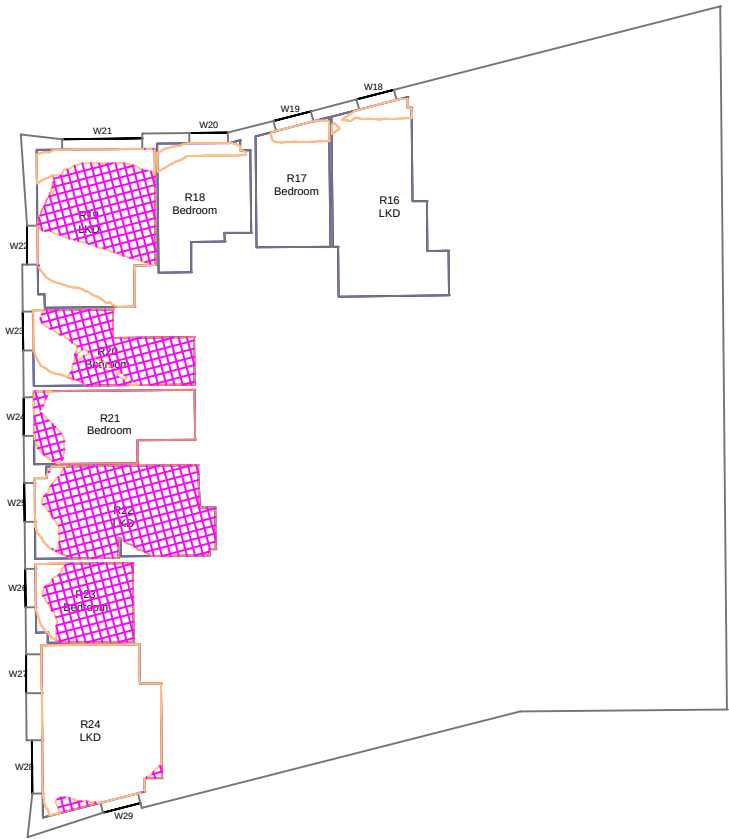
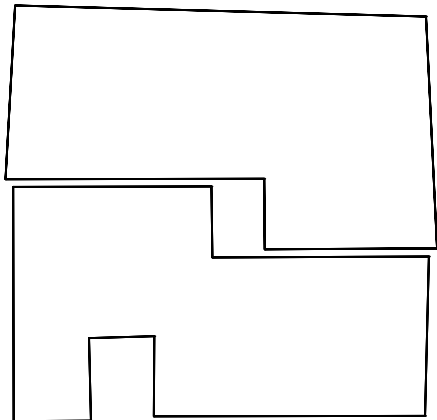
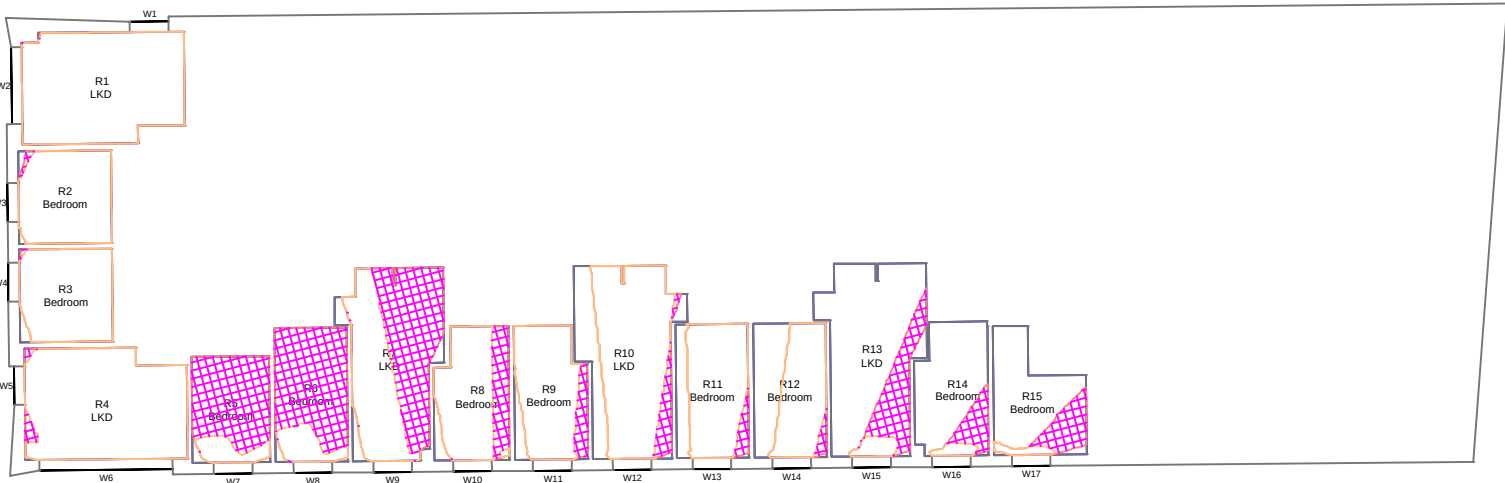
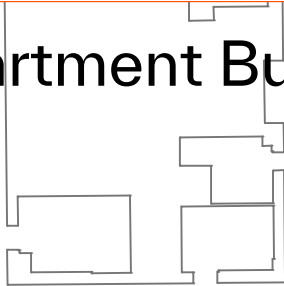
Phase 1 Apartment Buildings

Second Floor



Phase 1 Apartment Buildings

Third Floor



Proximity

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Tel: 0345 257 5535

CLIENT:
Portwood Developments Ltd

PROJECT:
Rochdale Road Phase 2
Manchester

DRAWING TITLE:
Contour Plots
Daylight Distribution

SCALE @ A2: NTS	DATE: 10.03.2026	DRAWN: PRX	CHECKED: DMH
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DRAWING NUMBER: 2257_MA-15	REV: 01
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REV:	NOTES:	DRWN:	DATE:

Massing Legend

Existing

Proposed

All heights in m AOD

DD Legend

Room Area (Measured Layout)

Existing NoSky Area

Proposed NoSky Area

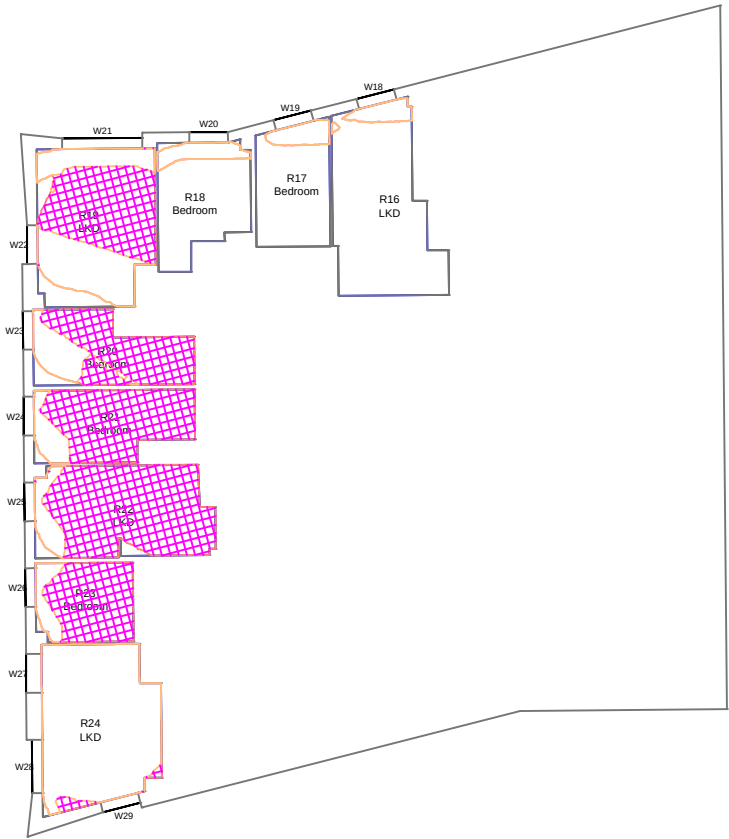
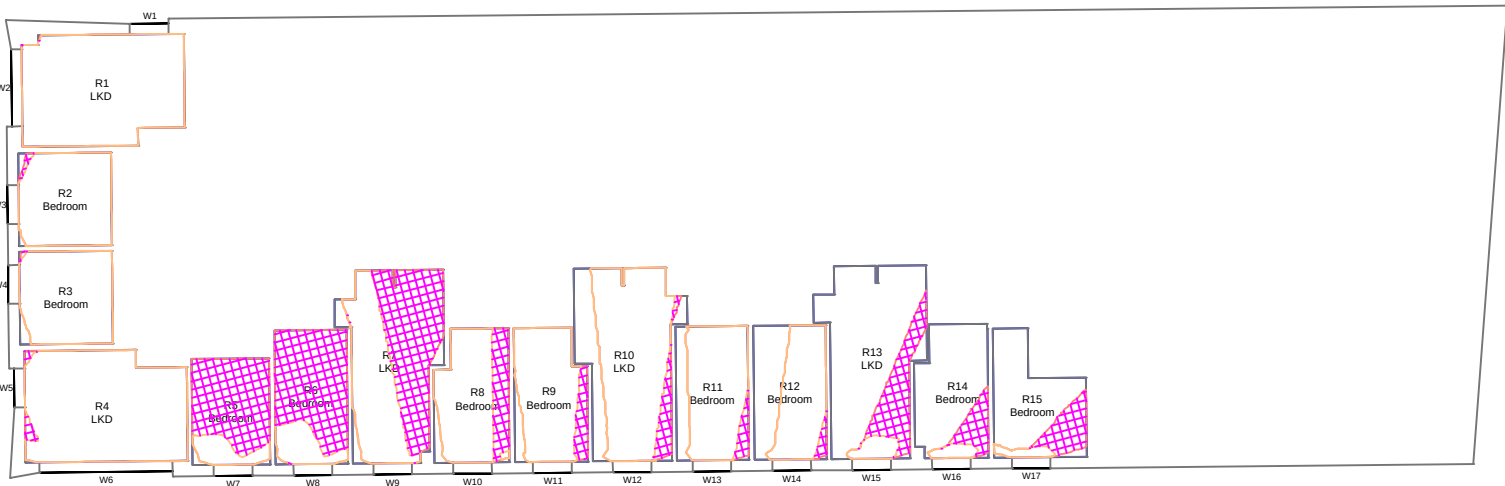
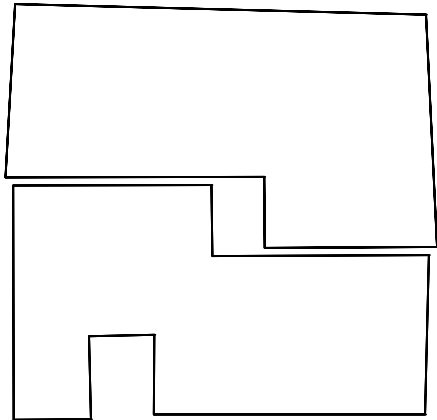
Area of Loss/Gain

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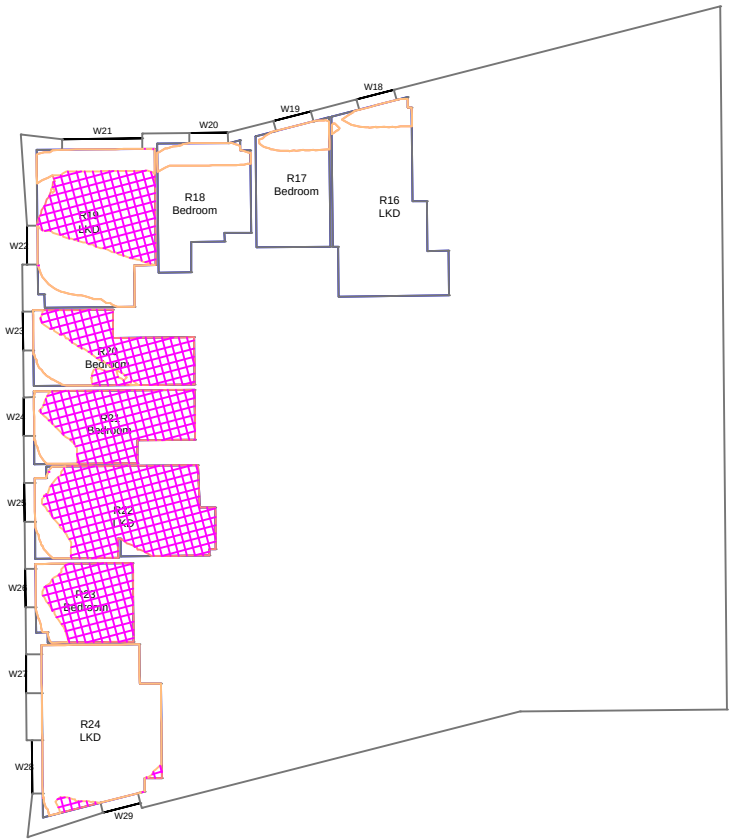
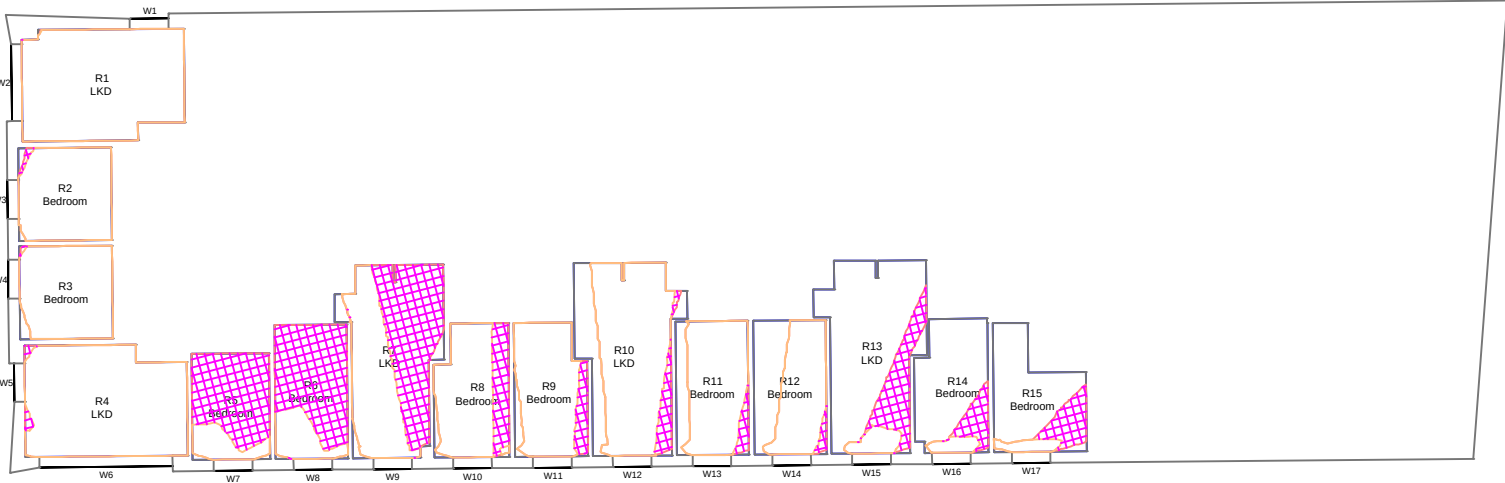
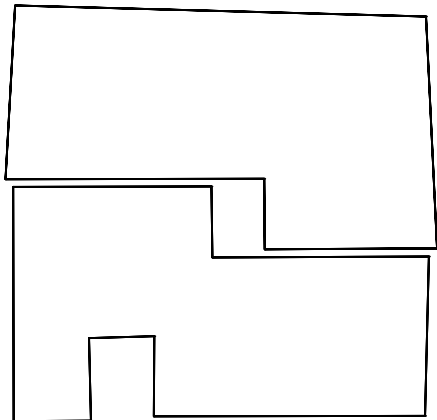
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Phase 1 Apartment Buildings Fourth Floor



Phase 1 Apartment Buildings Fifth Floor



Proximity

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Tel: 0345 257 5535

CLIENT:
Portwood Developments Ltd

PROJECT:
Rochdale Road Phase 2
Manchester

DRAWING TITLE:
Contour Plots
Daylight Distribution

SCALE @ A2: NTS	DATE: 10.03.2026	DRAWN: PRX	CHECKED: DMH
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DRAWING NUMBER: 2257_MA-16	REV: 01
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REV:	NOTES:	DRWN:	DATE:

Massing Legend

Existing

Proposed

All heights in m AOD

DD Legend

Room Area (Measured Layout)

Existing NoSky Area

Proposed NoSky Area

Area of Loss/Gain

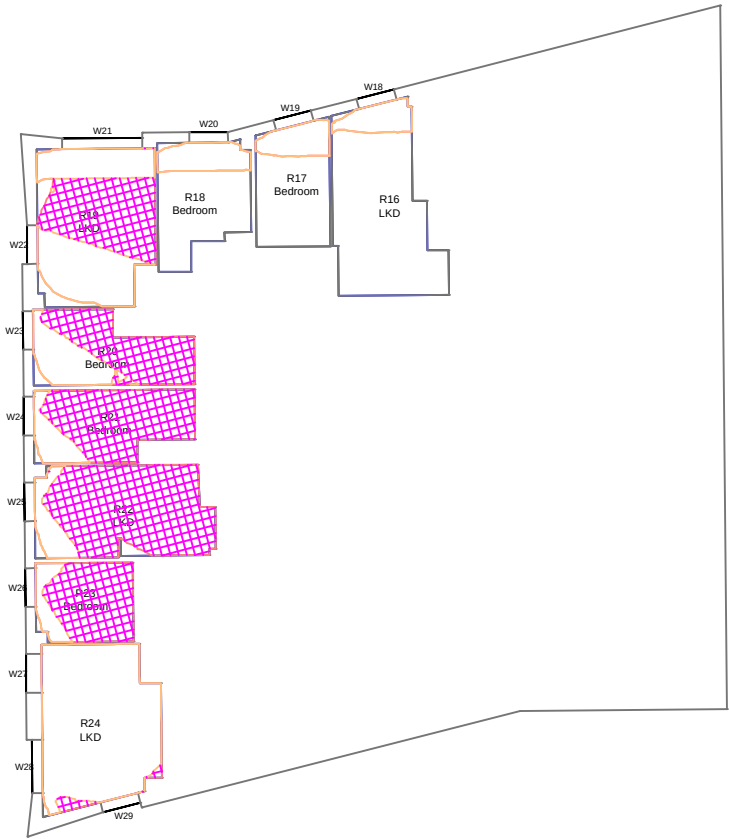
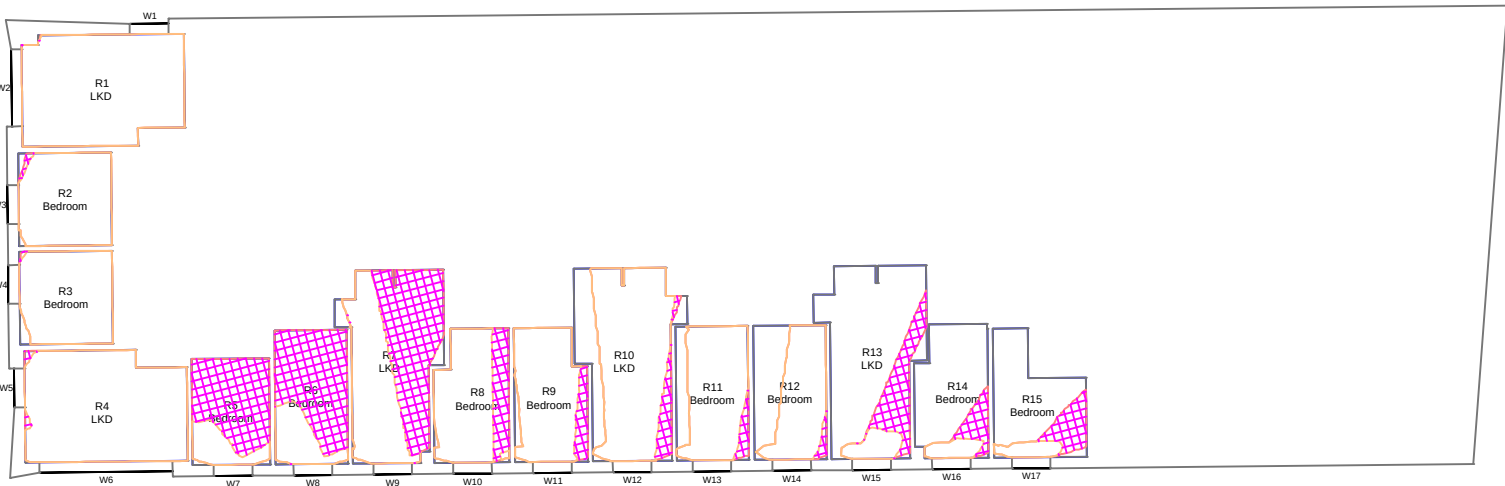
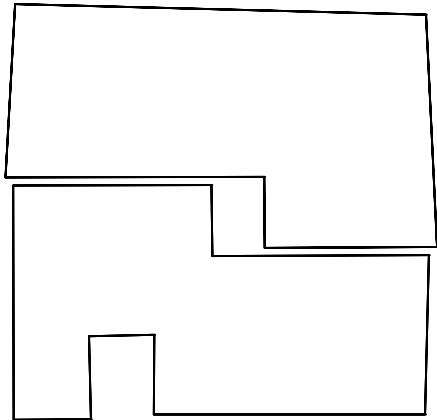
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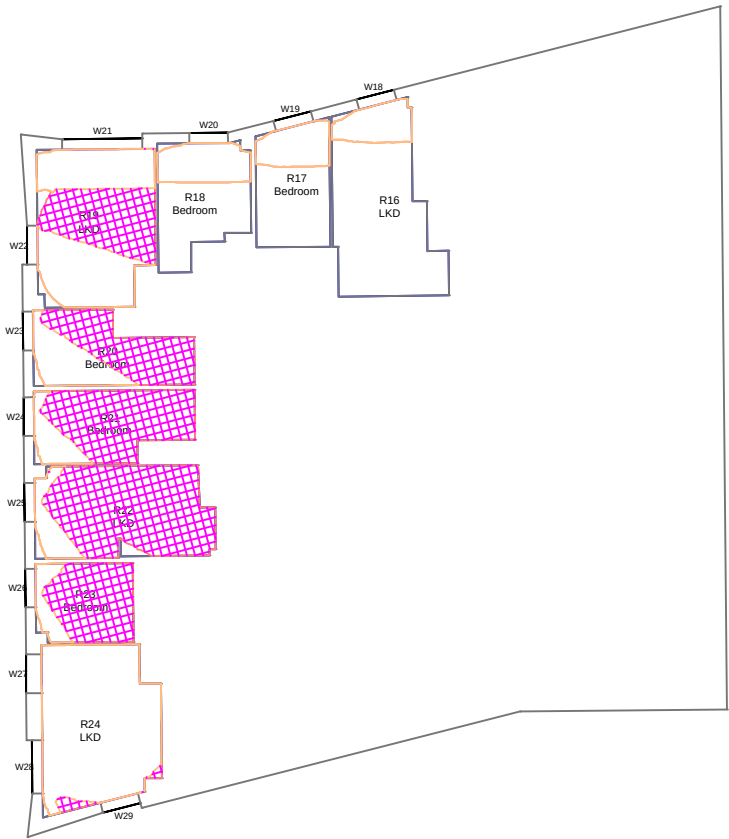
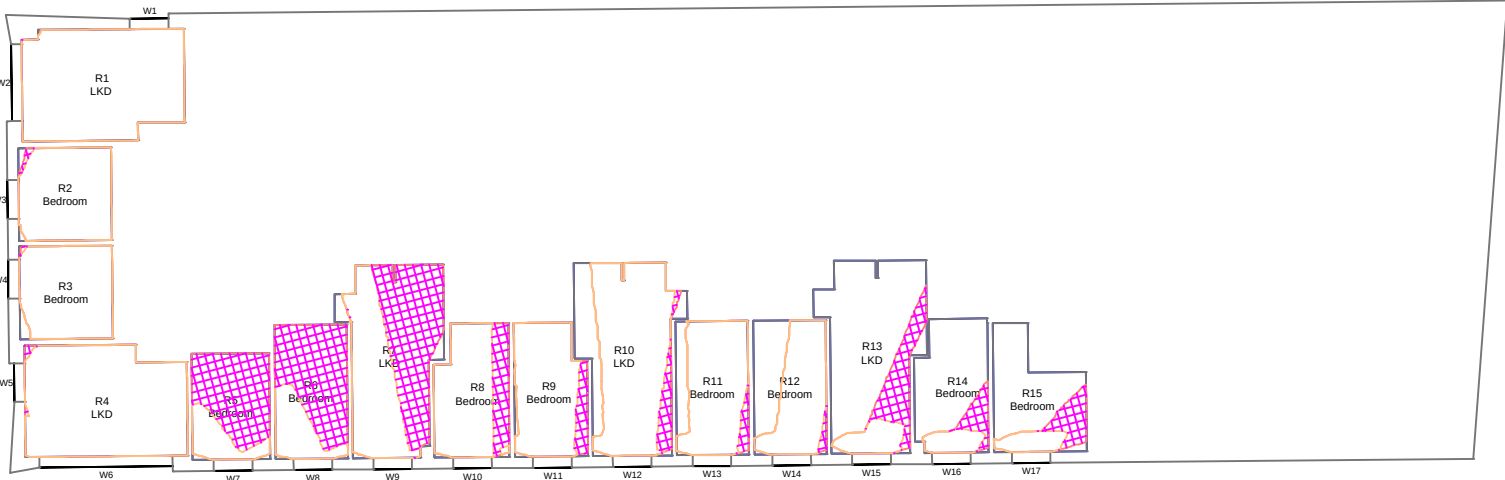
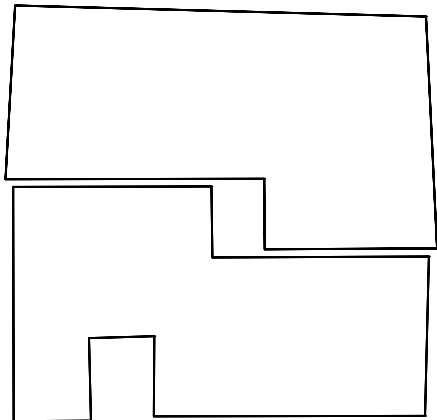
Phase 1 Apartment Buildings

Sixth Floor



Phase 1 Apartment Buildings

Seventh Floor



CLIENT:
Portwood Developments Ltd

PROJECT:
Rochdale Road Phase 2
Manchester

DRAWING TITLE:
Contour Plots
Daylight Distribution

SCALE @ A2:	DATE:	DRAWN:	PRX
NTS	10.03.2026	CHECKED:	DMH

DRAWING NUMBER:	REV:
2257_MA-17	01

REV:	NOTES:	DRWN:	DATE:

Massing Legend

Existing

Proposed

All heights in m AOD

DD Legend

Room Area (Measured Layout)

Existing NoSky Area

Proposed NoSky Area

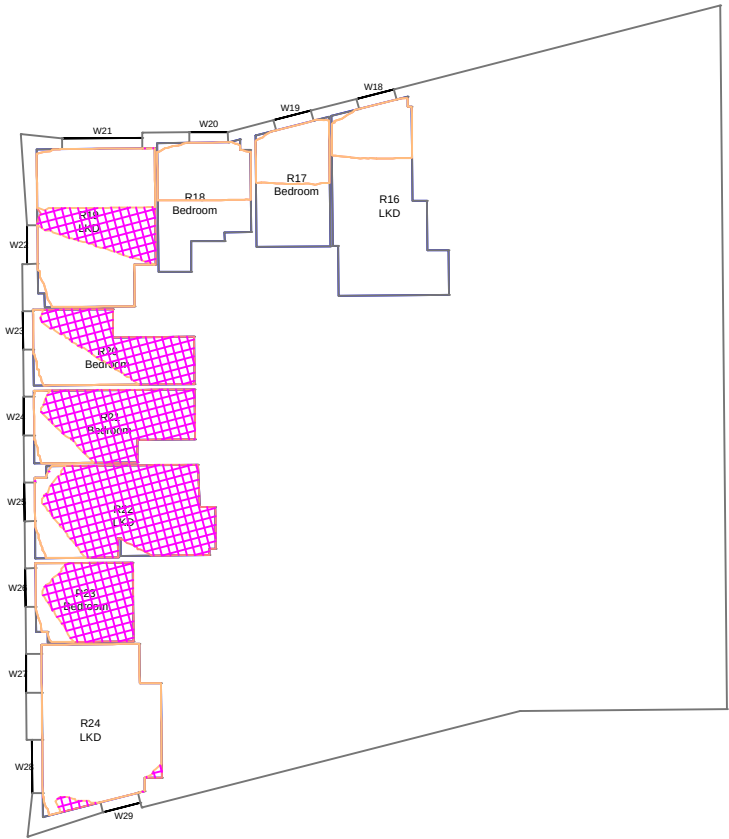
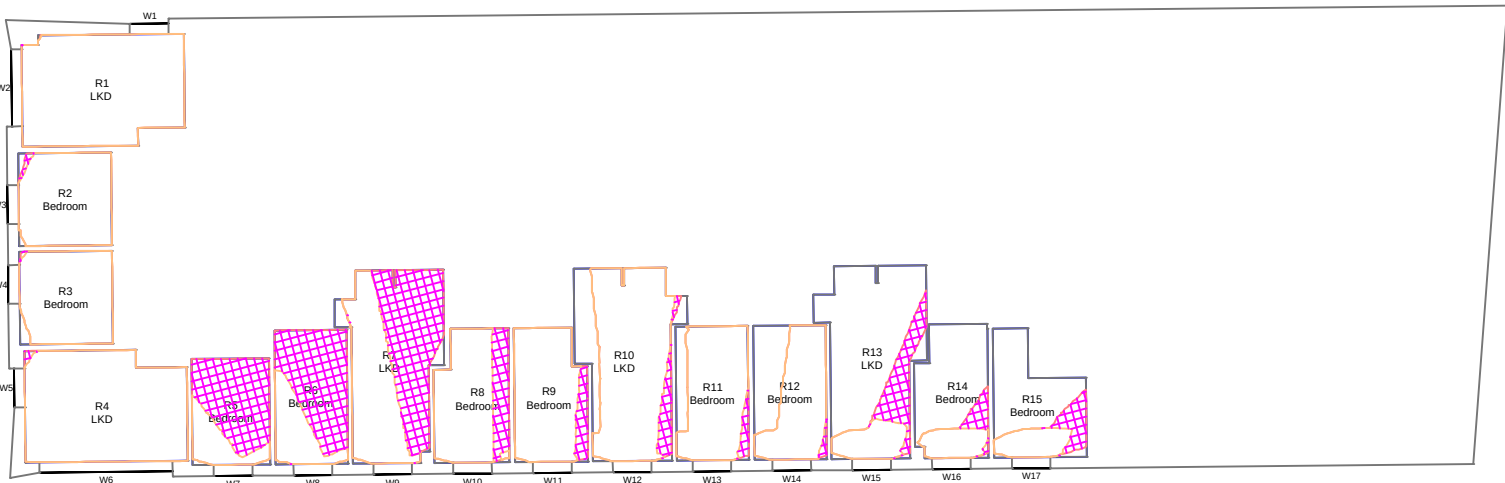
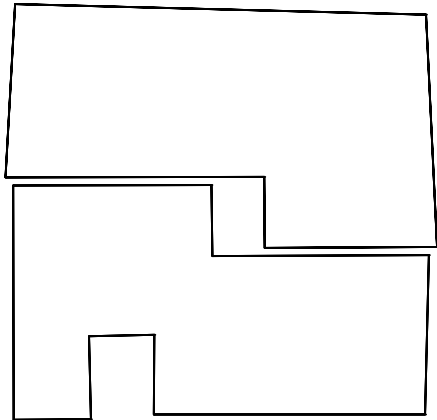
Area of Loss/Gain

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drawings the supervising officer must be notified.

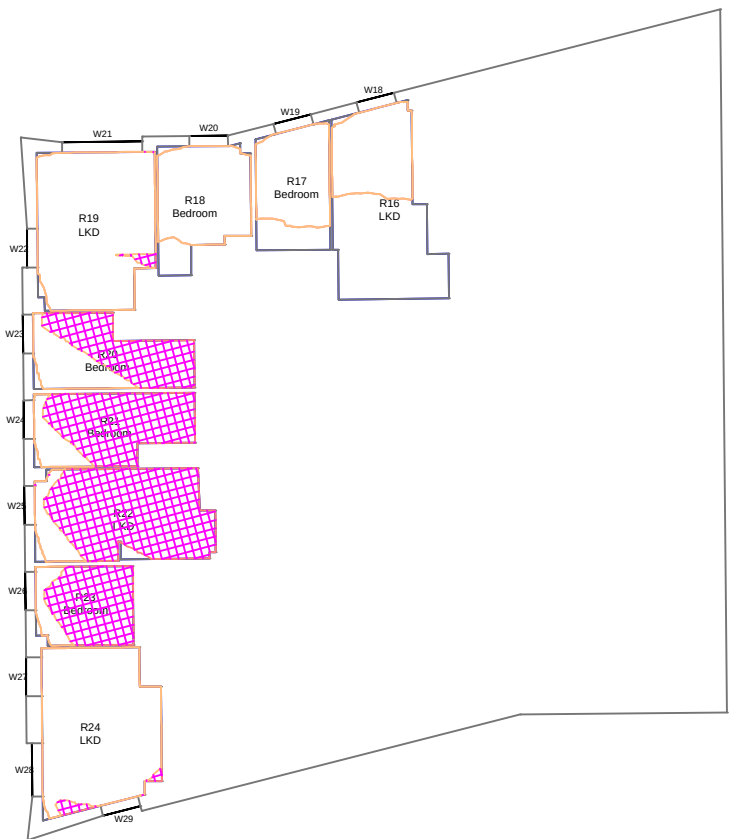
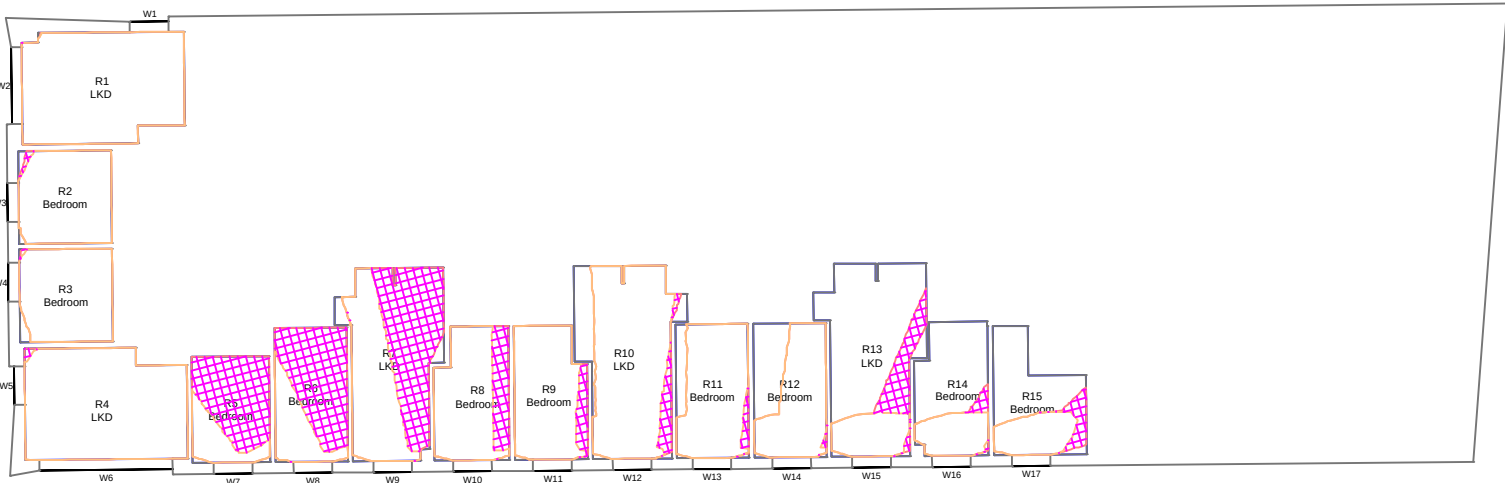
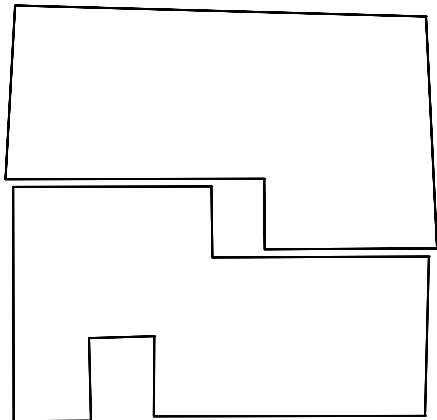
Phase 1 Apartment Buildings

Eighth Floor



Phase 1 Apartment Buildings

Ninth Floor



CLIENT:
Portwood Developments Ltd

PROJECT:
Rochdale Road Phase 2
Manchester

DRAWING TITLE:
Contour Plots
Daylgiht Distribution

SCALE @ A2:	DATE:	DRAWN:	PRX
NTS	10.03.2026	CHECKED:	DMH

DRAWING NUMBER:	REV:
2257_MA-18	01

REV:	NOTES:	DRWN:	DATE:

Massing Legend

Existing

Proposed

All heights in m AOD

DD Legend

Room Area (Measured Layout)

Existing NoSky Area

Proposed NoSky Area

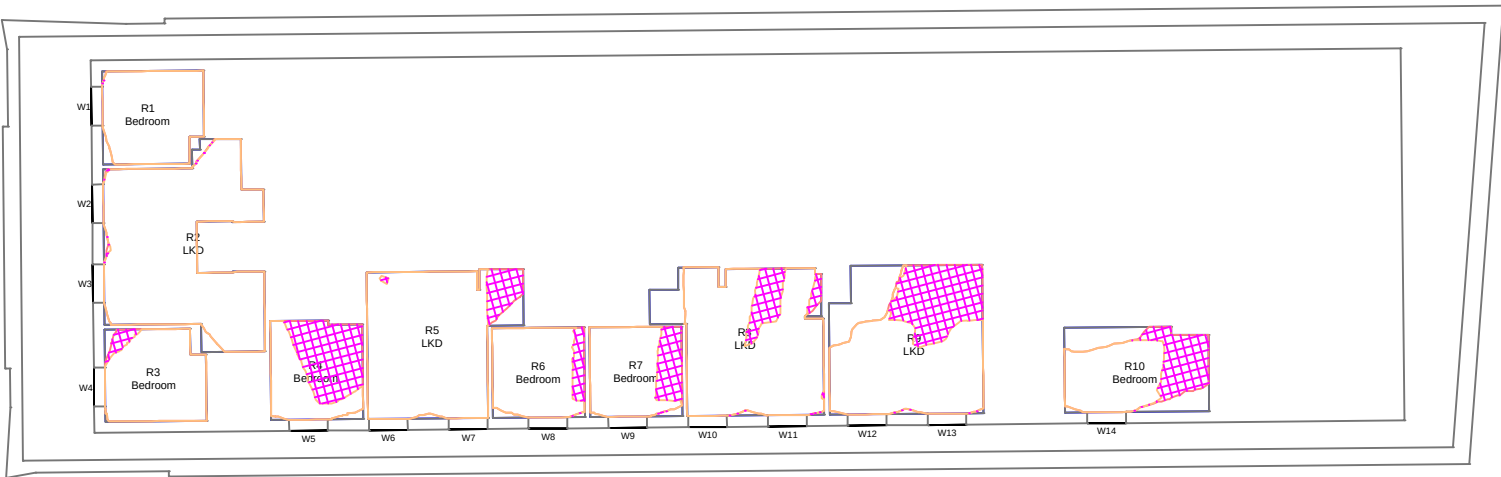
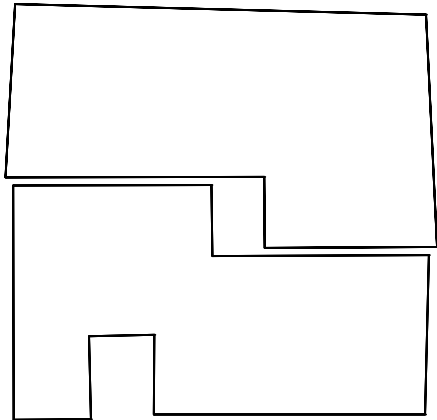
Area of Loss/Gain

NOTES:

No dimensions are to be scaled from this drawing.
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discrepancy occurs between specification and
drawings the supervising officer must be notified.

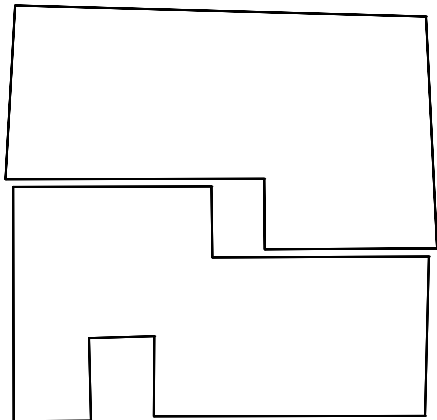
Phase 1 Apartment Buildings

Tenth Floor



Phase 1 Apartment Buildings

Eleventh Floor



Proximity

3 Barrington Road, Altrincham, WA14 1GY

weareproximity.co.uk

Tel: 0345 257 5535

CLIENT:
Portwood Developments Ltd

PROJECT:
Rochdale Road Phase 2
Manchester

DRAWING TITLE:
Contour Plots
Daylight Distribution

SCALE @ A2:	DATE:	DRAWN:	PRX
NTS	10.03.2026	CHECKED:	DMH

DRAWING NUMBER:	REV:
2257_MA-19	01

REV:	NOTES:	DRWN:	DATE:

Massing Legend

Existing

Proposed

All heights in m AOD

DD Legend

Room Area (Measured Layout)

Existing NoSky Area

Proposed NoSky Area

Area of Loss/Gain

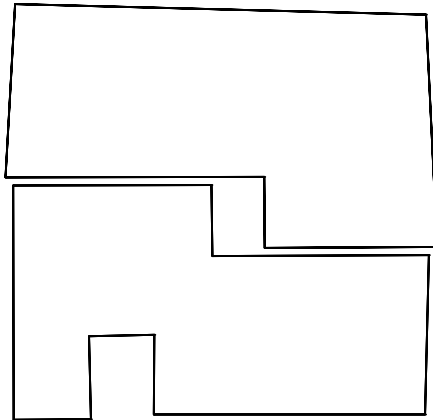
NOTES:

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Phase 1 Apartment Buildings

Twelfth Floor



Phase 1 Coach Houses, 87 Rochdale Road, Manchester, M4 4JDA



Daylight Amenity

24 windows, serving 17 individual rooms, have been daylight amenity impact appraised.

In the Baseline Condition, 6 windows (25%) of the 24 windows appraised would achieve the VSC target of 27% (once they are constructed). 18 windows (75%) do not achieve the BRE target. Due to being shorter than the neighbours to the west (Citadel, 6 Ludgate Hill) and east (Phase 1 apartment buildings), the Coach Houses are relatively enclosed and inherently limited in daylight amenity in the Baseline Condition.

In the Proposed Condition, 17 windows (71%) would either continue to achieve the VSC target or retain VSC values of at least 0.8x the Baseline figures; the reduction in VSC to this majority of windows is negligible, and is unlikely to be noticed by the future room occupants.

Of the remaining 7 windows (29%), four serve bedrooms (a low sensitivity daylight use). Three windows serve two LKD rooms (one at ground floor level and two serve a third floor LKD). The ground floor LKD would pass the NSL test, experiencing negligible change in the NSL. This room is also dual aspect, with the living room portion served by a window experiencing no reduction in VSC.

The third floor LKD room would experience only a low magnitude of change in NSL. This room is also dual aspect, and served by three windows.

Overall, 15 rooms of 17 appraised (88%) would pass the NSL test, experiencing negligible or no reductions in daylight distribution.

Given the relatively enclosed outlook of this building, and the current and future uplift in density of its immediate surroundings, localised impacts on daylight amenity of this this neighbouring building are appropriate and balanced.

Phase 1 Coach Houses, 87 Rochdale Road, Manchester, M4 4JDA

Sunlight Amenity (Buildings)

10 rooms served by 17 individual windows have been sunlight impact appraised.

In the Baseline Condition, all 10 rooms achieve both the annual and winter sunlight targets.

In the Proposed Condition, all 10 rooms (100%) would continue to achieve both sunlight targets. The impact of the Proposed Development on these rooms is negligible and not significant.

Sunlight Amenity (External Amenity Spaces)

There are three (future) ground floor external amenity areas and two roof level terraces – all currently under construction – associated with this neighbouring building.

In the Baseline Condition, two of the three ground floor spaces would achieve the BRE's Time in Sun target on 21 March, with the third receiving fractionally less than the aspirational target. Neither of the roof terrace spaces would achieve the target in the Baseline condition, principally due to the adjacent massing of 6 Ludgate Hill.

In the Proposed Condition, none of the ground floor external amenity spaces would achieve the BRE sunlight target.

These future ground floor amenity spaces are located to the north east of the Coach Houses building. This arrangement means that these future spaces are inherently limited in their capacity for direct sunlight in the Baseline Condition, and only achieve good levels of sunlight in the Baseline Condition due to the Site being an open parcel of land.

Given this inherent limitation, impacts on these ground floor future amenity spaces are, in our opinion, appropriate and balanced.

Proximity

Phase 1 Coach Houses, 87 Rochdale Road, Manchester, M4 4JDA

Sunlight Amenity (External Amenity Spaces, cont.)

The roof level terraces, facing Gould Street, would experience no reduction in sunlight amenity. The impact of the Proposed Development on sunlight amenity of these roof terraces is therefore not significant.

Proximity

3 Barrington Road, Altrincham, WA14 1GY

weareproximity.co.uk

Tel: 0345 257 5535

CLIENT:
Portwood Developments Ltd

PROJECT:
Rochdale Road Phase 2
Manchester

DRAWING TITLE:
Contour Plots
Daylgiht Distribution

SCALE @ A2:	DATE:	DRAWN:	PRX
NTS	10.03.2026	CHECKED:	DMH

DRAWING NUMBER:	REV:
2257_MA-12	01

REV:	NOTES:	DRWN:	DATE:

Massing Legend

Existing

Proposed

All heights in m AOD

DD Legend

Room Area (Measured Layout)

Existing NoSky Area

Proposed NoSky Area

Area of Loss/Gain

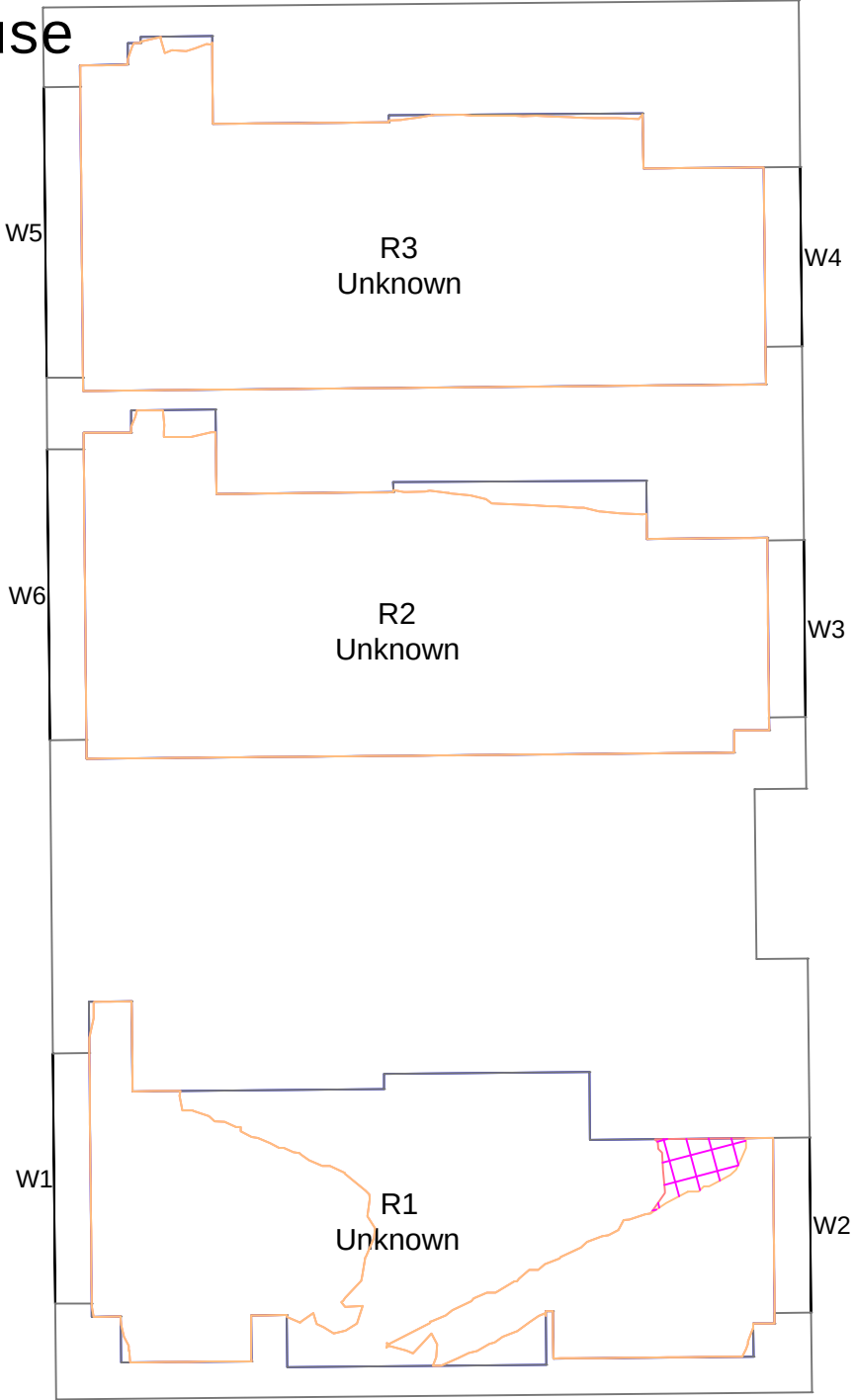
NOTES:

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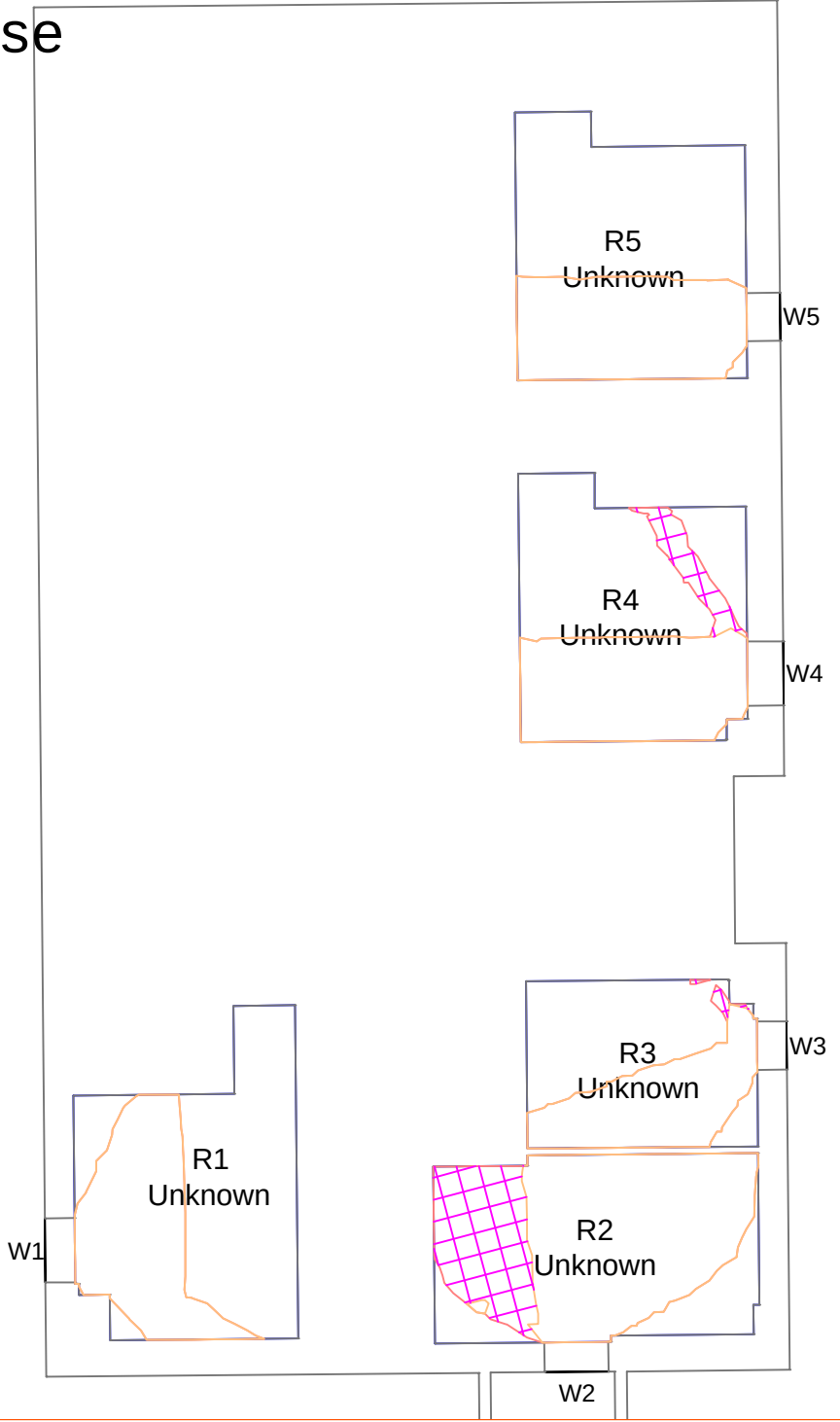
Phase 1, Coach House

First Floor



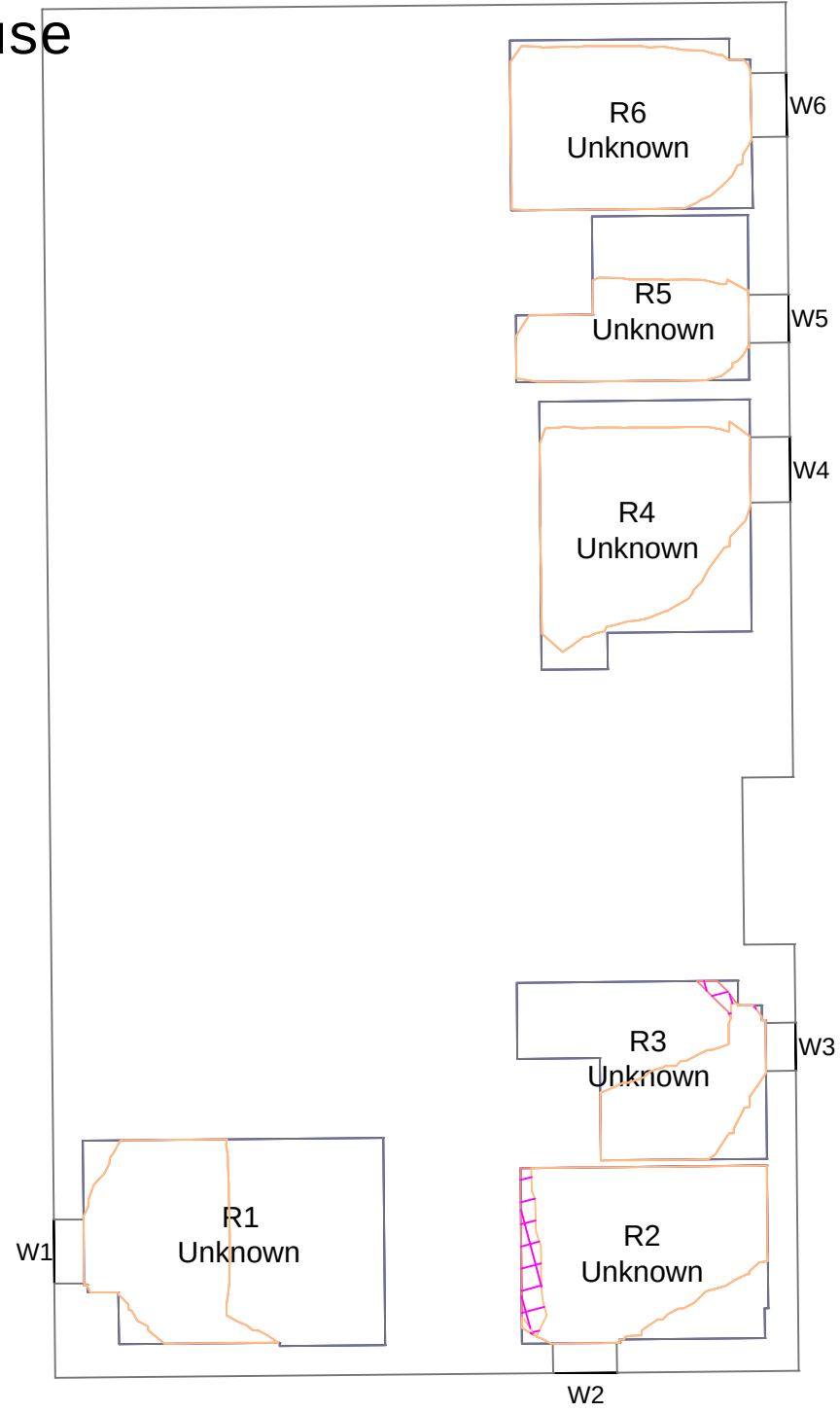
Phase 1, Coach House

Second Floor



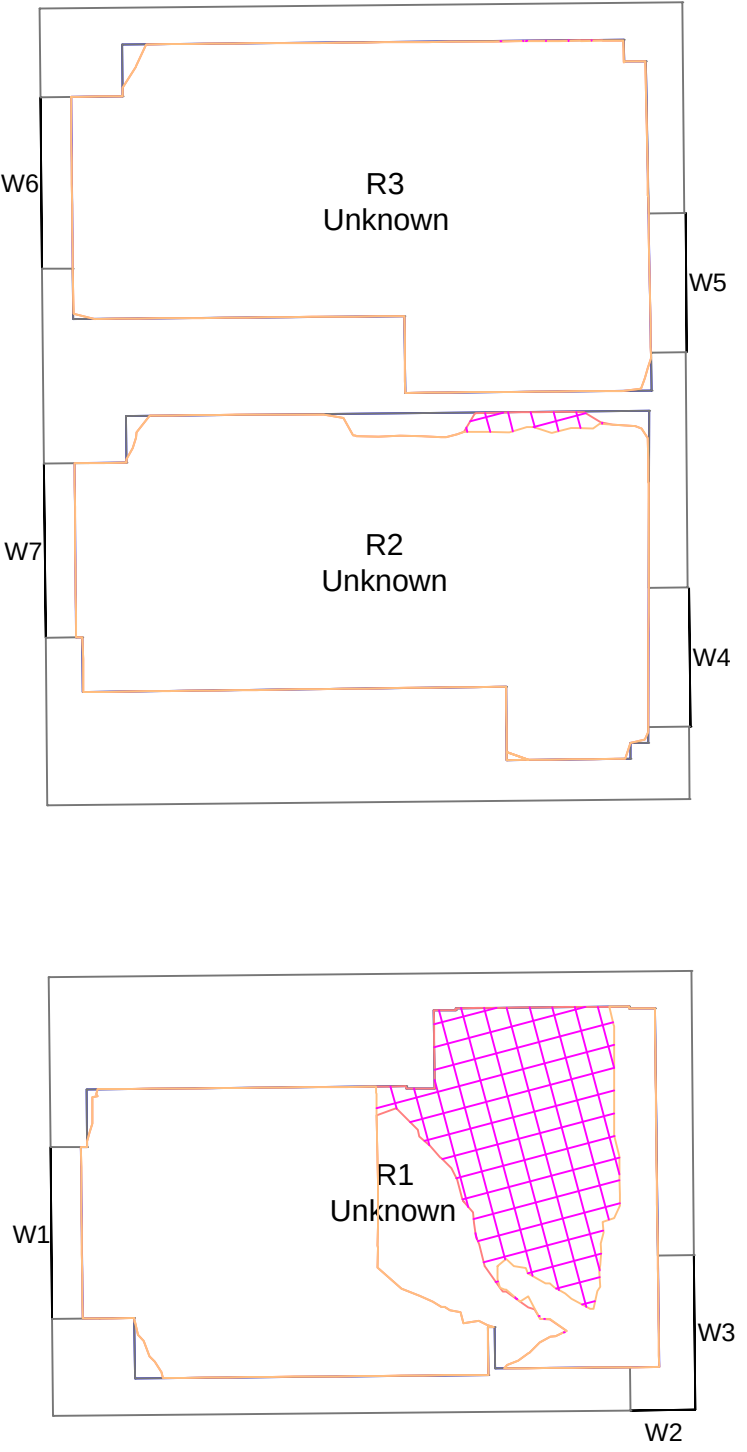
Phase 1, Coach House

Third Floor



Phase 1, Coach House

Fourth Floor



6 Ludgate Hill,
Manchester, M4 4BW



Daylight Amenity

97 windows, serving 87 individual rooms, have been daylight impact appraised.

In the Baseline Condition, 70 windows (72%) of the 97 appraised achieve the VSC target of 27%. 27 windows – typically serving rooms at ground and first floor level, directly overlooking the Marble Arch pub – do not achieve the VSC target in the Baseline Condition.

In the Proposed Condition, 22 windows (23%) would either continue to achieve the VSC target or retain VSC values of at least 0.8x the Baseline figures; the VSC reduction to these windows is negligible, and is unlikely to be noticed by the future room occupants.

A further 28 windows (29%) would experience reductions potentially noticeable to the room occupants, but which would retain VSC values of at least 21.6%, considered to be within a perceived acceptable tolerance of the 27% target given the current and future elevated density of the City Centre location.

47 windows (48%) would achieve VSCs of less than 21.6%, with reductions being potentially noticeable by room occupants.

Notwithstanding these reductions, the significant majority (44) of these 47 windows would achieve VSCs of between 15% and 21%. The BRE Guidance notes that VSCs in these ranges give adequate daylight with 'special measures', including larger windows. The Site facing windows of 6 Ludgate Hill are large, typically being floor to ceiling in height and, where serving an LKD room, to the full width of the rooms.

The remaining 3 windows also avoid very low VSC values, each retaining a VSC of 14.5% or greater (and therefore not materially or noticeably different from the 15% VSC above).

6 Ludgate Hill,
Manchester, M4 4BW

Daylight Amenity (cont.)

55 rooms of 87 appraised (63%) would pass the NSL test, experiencing negligible or no reduction in daylight distribution.

32 rooms (37%) would experience reductions in daylight distribution that could be noticeable to the room occupants.

Of these 32 rooms, the majority (25 rooms) are bedrooms which, in accordance with the BRE Guidance, are are a low sensitivity daylight receptor.

The impact on the NSL of these bedrooms is significantly influenced by 6 Ludgate Hill's design, which places windows right at the corner of the bedroom. This arrangement limits distribution of light in the Baseline condition compared to a more centrally positioned window, and makes the room more susceptible to noticeable changes in NSL due to limited distribution of daylight.

The majority of LKDs (27 of 34 appraised) – a room use of greater daylight sensitivity than a bedroom – would experience negligible reductions in the NSL.

Notwithstanding the above, in our opinion the daylight amenity impact of the Prosed Development on this neighbouring building is appropriate and balanced. Impacts are, in part, a factor of this building's own design, and effects on daylight amenity should be reasonably anticipated with the anticipate uplift in density for this area of Manchester City Centre.

Proximity

6 Ludgate Hill,
Manchester, M4 4BW

Sunlight Amenity (Buildings)

The windows through which the Proposed Development will be seen are northeast facing. (i.e. more than 90 degrees from due south).

On that basis, in accordance with the BRE Guidance, the Site facing windows of this building do not need to be sunlight amenity impact appraised, and the Proposed Development will have no significant impact on sunlight amenity of this neighbouring building.

Sunlight Amenity (External Amenity Spaces)

There are no external amenity areas associated with this neighbouring building.

Proximity

3 Barrington Road, Altrincham, WA14 1GY

weareproximity.co.uk
Tel: 0345 257 5535

CLIENT:
Portwood Developments Ltd

PROJECT:
Rochdale Road Phase 2
Manchester

DRAWING TITLE:
Contour Plots
Daylight Distribution

SCALE @ A2: NTS	DATE: 10.03.2026	DRAWN: PRX
	CHECKED: DMH	

DRAWING NUMBER: 2257_MA-07	REV: 01
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REV:	NOTES:	DRWN:	DATE:

Massing Legend

	Existing
	Proposed

All heights in m AOD

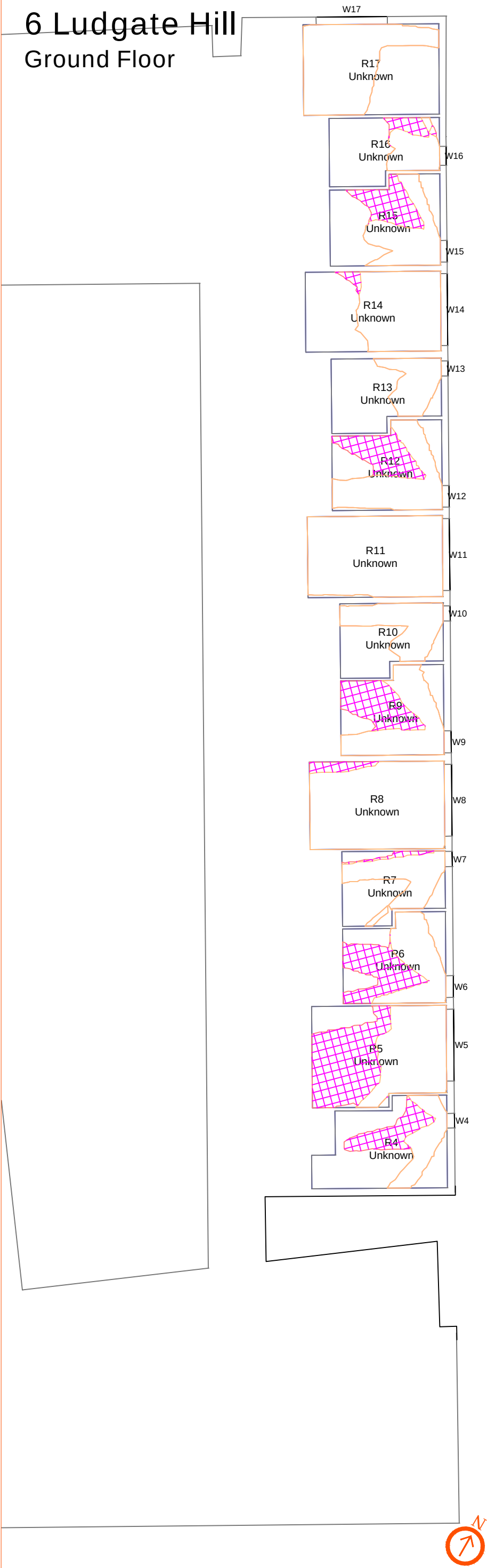
DD Legend

	Room Area (Measured Layout)
	Existing NoSky Area
	Proposed NoSky Area
	Area of Loss/Gain

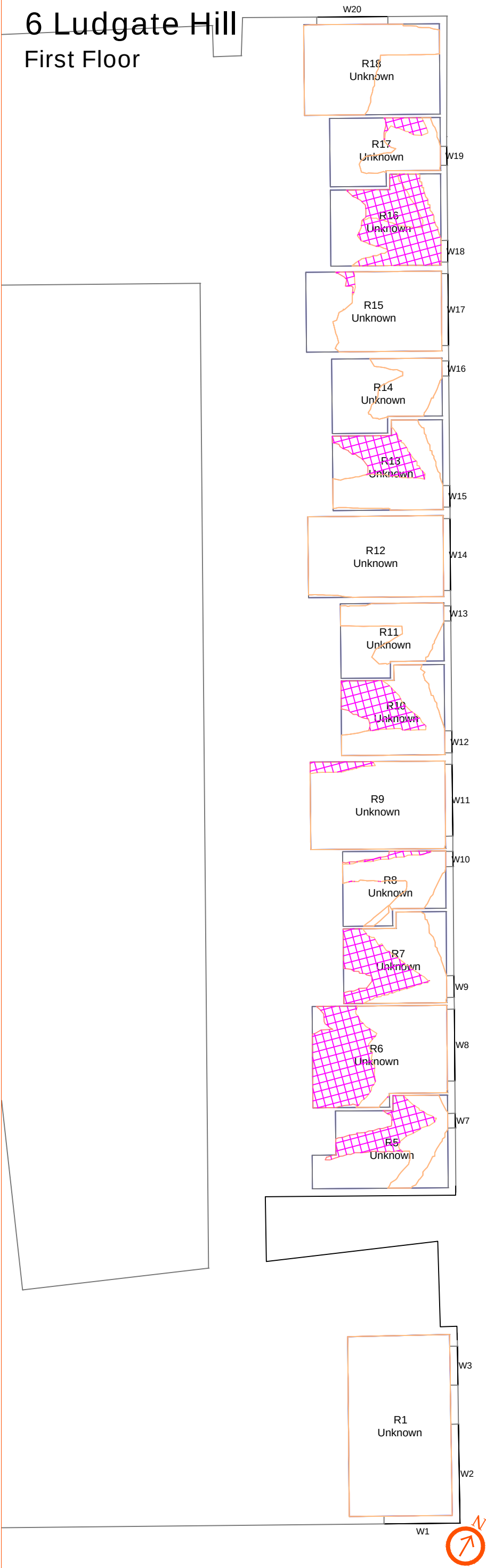
NOTES:

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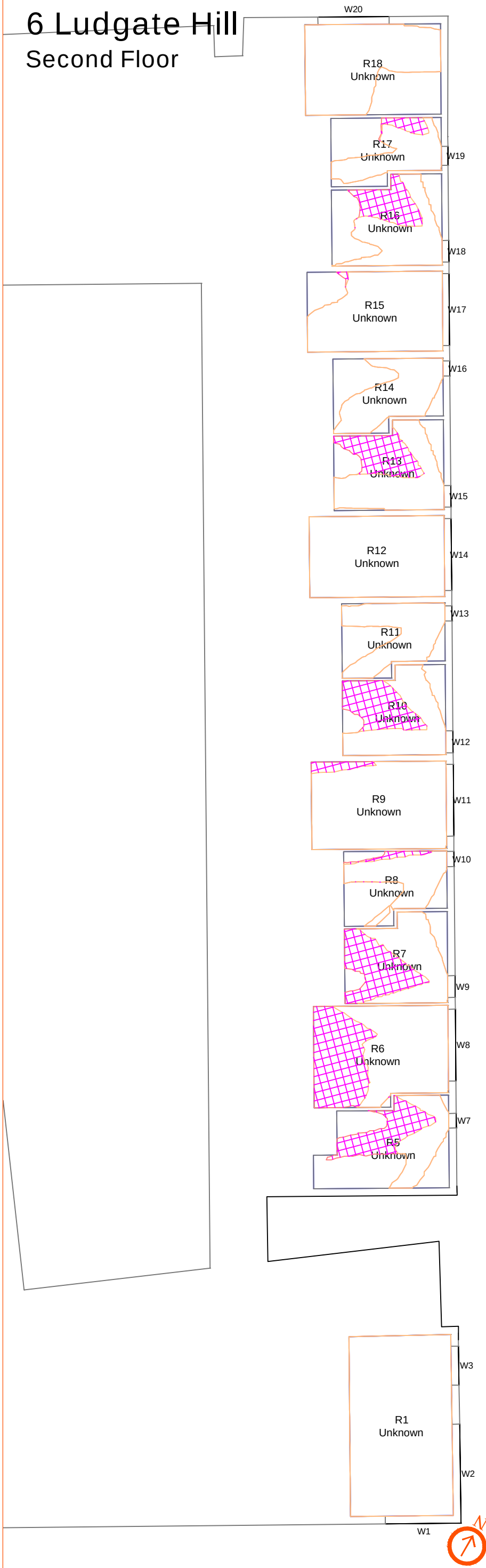
6 Ludgate Hill
Ground Floor



6 Ludgate Hill
First Floor



6 Ludgate Hill
Second Floor



Proximity

3 Barrington Road, Altrincham, WA14 1GY

weareproximity.co.uk
Tel: 0345 257 5535

CLIENT:
Portwood Developments Ltd

PROJECT:
Rochdale Road Phase 2
Manchester

DRAWING TITLE:
Contour Plots
Daylight Distribution

SCALE @ A2:	DATE:	DRAWN:	PRX
NTS	10.03.2026	CHECKED:	DMH

DRAWING NUMBER:	REV:
2257_MA-08	01

REV:	NOTES:	DRWN:	DATE:

Massing Legend

Existing

Proposed

All heights in m AOD

DD Legend

Room Area (Measured Layout)

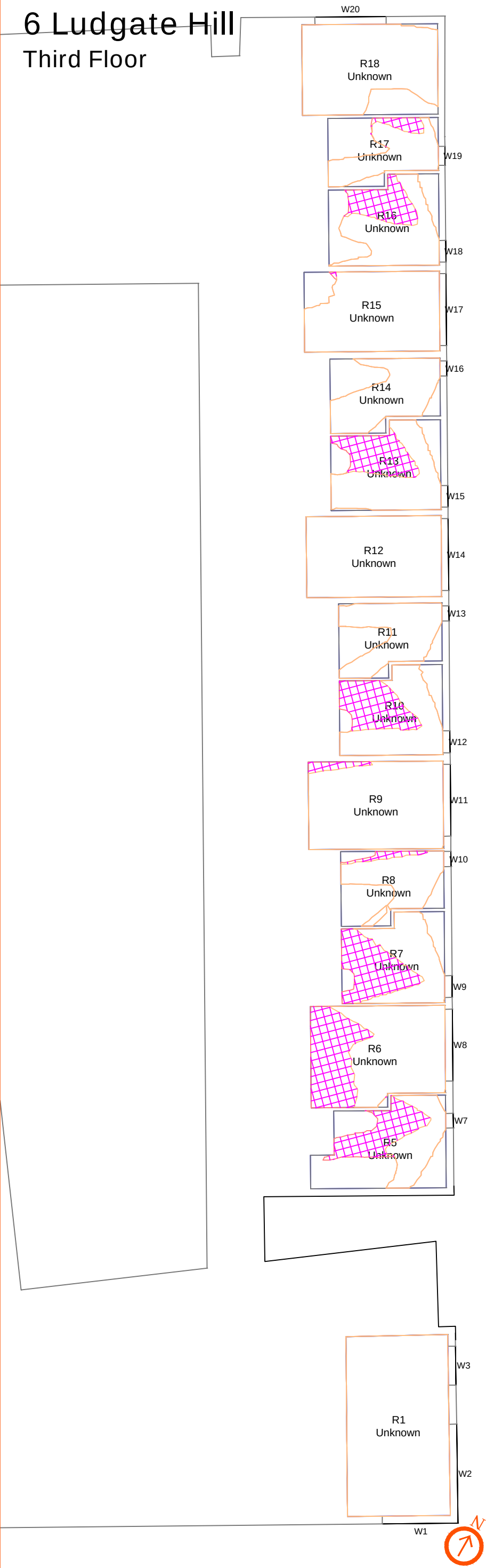
Existing NoSky Area

Proposed NoSky Area

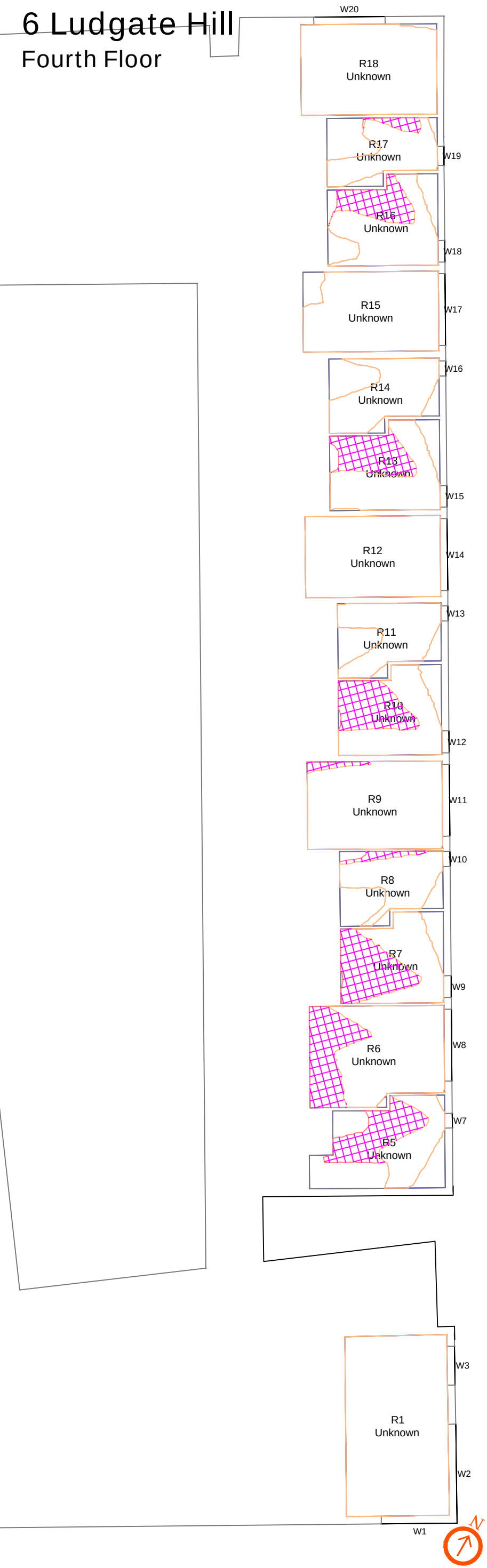
Area of Loss/Gain

NOTES:
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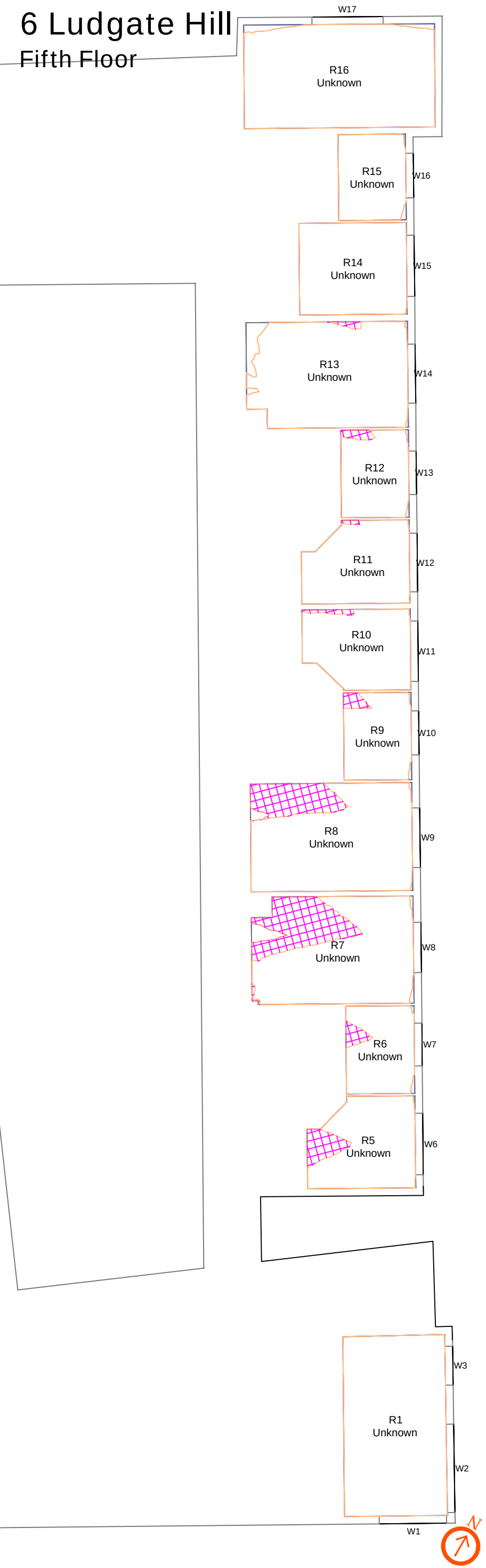
6 Ludgate Hill Third Floor



6 Ludgate Hill Fourth Floor



6 Ludgate Hill Fifth Floor



Citadel Apartments, Ludgate Hill, Manchester M4 4AL



Daylight

120 windows, serving 84 rooms have been daylight amenity impact appraised.

In the Baseline Condition only 24 windows (20%) achieve the VSC target of 27%. The remaining 96 windows (80%) do not, in part due to their outlook towards the future massing of the Gasworks development, or an outlook towards the neighbouring 6 Ludgate Hill building.

In the Proposed Condition 116 windows (97%) would achieve the VSC target or retain VSC values of at least 0.8x the Baseline figures. Four windows (3%) – all serving rooms that are dual aspect and served by multiple other windows – would not achieve the targets. These rooms would pass the NSL test, and the impact on the daylight amenity of these rooms is not significant.

Overall, 80 rooms (95%) would pass the NSL test, experiencing negligible reductions in daylight distribution. Three of the four rooms (5%) which do not pass are understood to be bedrooms – a low sensitivity receptor – and served by a main window overlooking the Gasworks and a window serving a balcony. The remaining room is an LKD, which experiences a low magnitude of change.

These rooms are no more than a localised minority of all rooms appraised, and are principally limited by the future Gasworks development. On that basis, overall the impact of the Proposed Development on daylight amenity of this neighbouring building is not significant.

Citadel Apartments, Ludgate Hill, Manchester M4 4AL

Sunlight Amenity (Buildings)

6 rooms of presumed Living-Kitchen-Dining use, all located at the corner of the Citadel closest to the Site, served by 24 individual windows have been sunlight impact appraised. The majority of other windows serving habitable rooms in this building are north east facing, and in accordance with the BRE Guidance are of limited capacity to received direct sunlight, and do not require sunlight assessment.

In the Baseline Condition, all 6 rooms achieve both the annual and winter sunlight targets.

In the Proposed Condition, 5 rooms (83% of those appraised) would continue to achieve both sunlight targets, or retain sunlight values of at least 0.8x the baseline values. The impact of the Proposed Development on sunlight amenity these rooms is not significant.

The single remaining room, located at ground floor level, would achieve the winter sunlight target, and would achieve annual sunlight values that are considered within an acceptable tolerance of the BRE target.

Overall, impact on the sunlight amenity are considered appropriate and balanced given the impacts are localised to lower floor levels, and the uplift in density sought by the SRF in this part of Manchester.

Sunlight Amenity (External Amenity Spaces)

There are no external amenity areas associated with this neighbouring building.

Proximity

3 Barrington Road, Altrincham, WA14 1GY

weareproximity.co.uk
Tel: 0345 257 5535

CLIENT:
Portwood Developments Ltd

PROJECT:
Rochdale Road Phase 2
Manchester

DRAWING TITLE:
Contour Plots
Daylight Distribution

SCALE @ A2: NTS	DATE: 10.03.2026	DRAWN: PRX	CHECKED: DMH
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DRAWING NUMBER: 2257_MA-10	REV: 01
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REV.	NOTES:	DRWN:	DATE:

Massing Legend

	Existing
	Proposed

All heights in m AOD

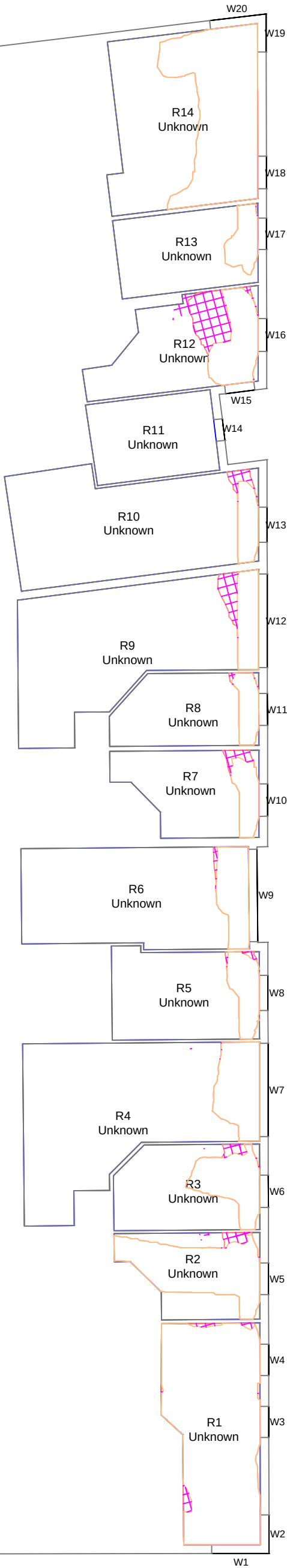
DD Legend

	Room Area (Measured Layout)
	Existing NoSky Area
	Proposed NoSky Area
	Area of Loss/Gain

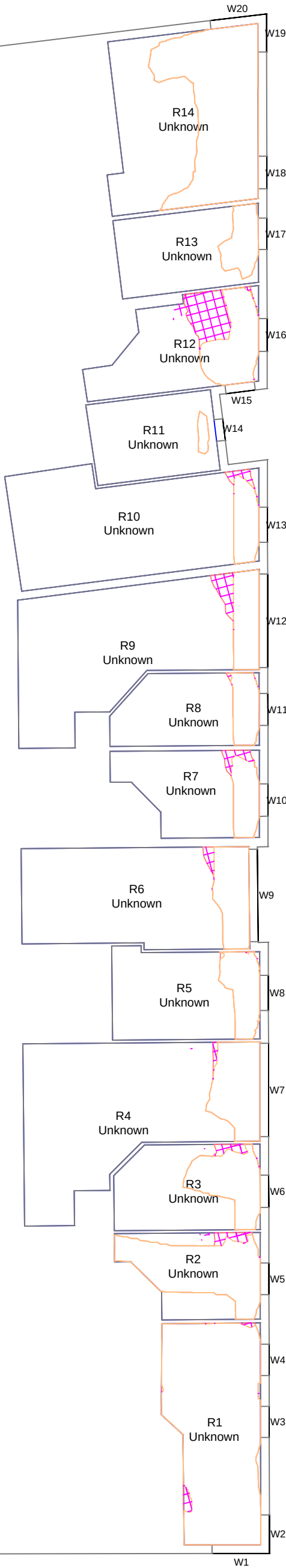
NOTES:

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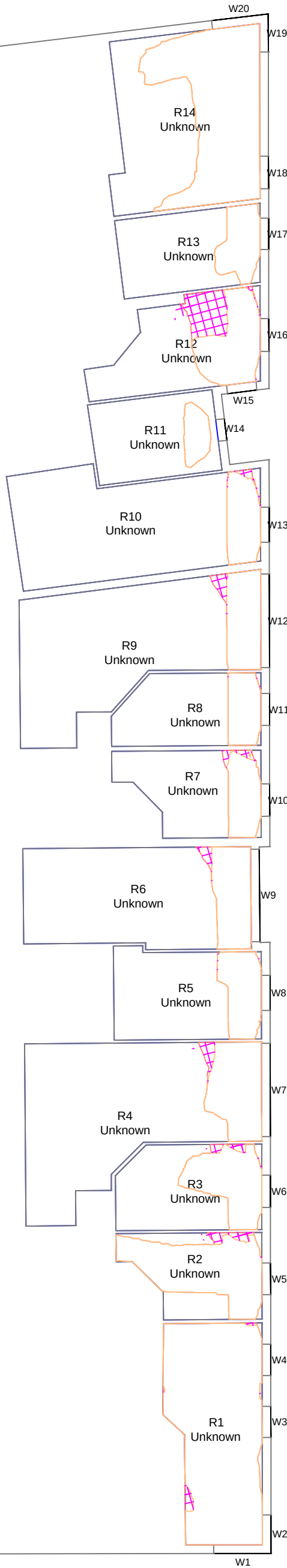
The Citadel, Ludgate Hill
Ground Floor



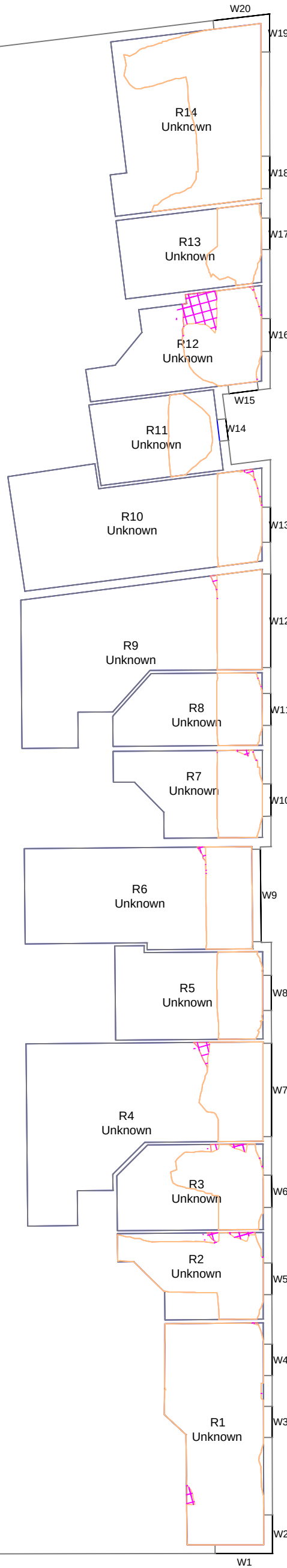
The Citadel, Ludgate Hill
First Floor



The Citadel, Ludgate Hill
Second Floor



The Citadel, Ludgate Hill
Third Floor



Proximity

3 Barrington Road, Altrincham, WA14 1GY

weareproximity.co.uk
Tel: 0345 257 5535

CLIENT:
Portwood Developments Ltd

PROJECT:
Rochdale Road Phase 2
Manchester

DRAWING TITLE:
Contour Plots
Daylight Distribution

SCALE @ A2:	DATE:	DRAWN:	PRX
NTS	10.03.2026	CHECKED:	DMH

DRAWING NUMBER:	REV:
2257_MA-11	01

REV:	NOTES:	DRWN:	DATE:

Massing Legend

Existing
Proposed

All heights in m AOD

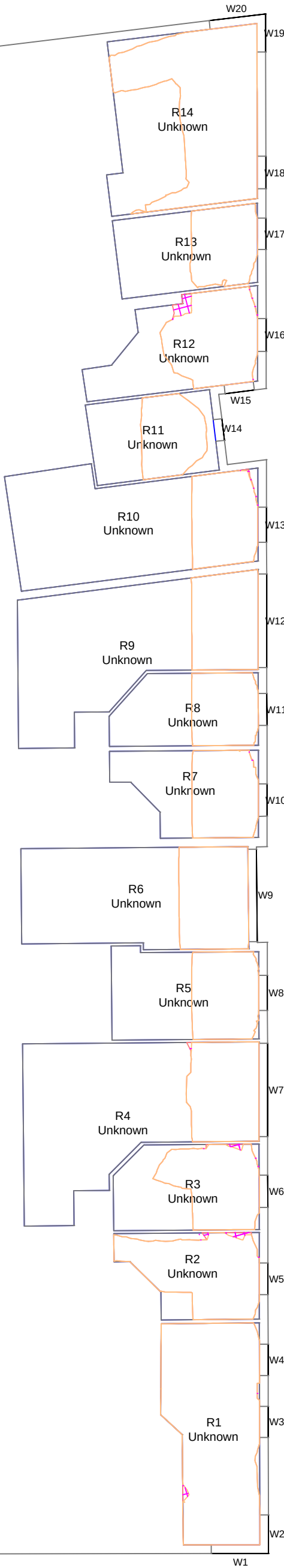
DD Legend

Room Area (Measured Layout)
Existing NoSky Area
Proposed NoSky Area
Area of Loss/Gain

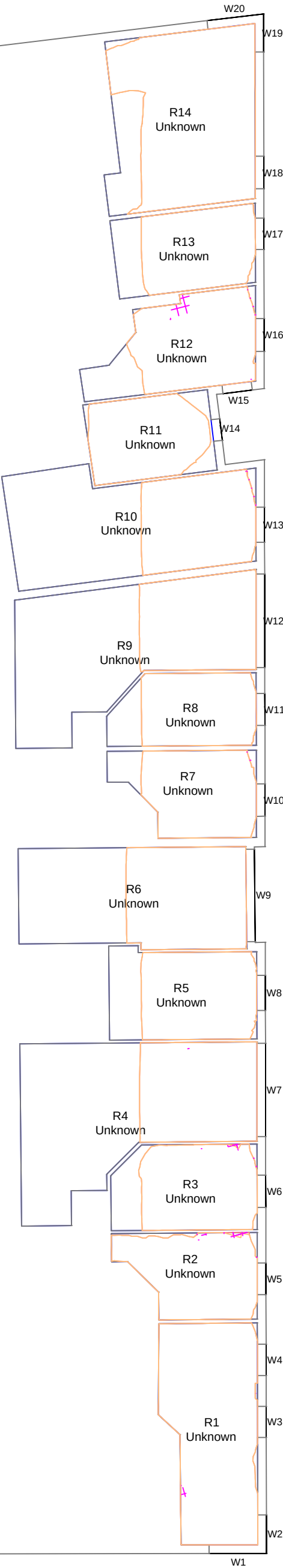
NOTES:

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The Citadel, Ludgate Hill
Fourth Floor



The Citadel, Ludgate Hill
Fifth Floor



Proximity

18-20 Rochdale Road,
Manchester, M4 4JQ



Daylight

22 windows serving 8 rooms have been daylight amenity impact appraised.

In the Baseline Condition 20 windows achieve the VSC target of 27% (91%). Two windows (9%) do not.

In the Proposed Condition all 22 windows (100%) would continue to achieve the VSC target or retain VSC values of at least 0.8x the Baseline figures.

All rooms (100%) would experience either no reduction or negligible reductions in NSL, passing the NSL test.

Overall, the impact of the Proposed Development on the daylight amenity of this neighbouring building is negligible and non-significant.

Sunlight Amenity (Buildings)

4 rooms, served by 15 individual windows, have been sunlight impact appraised.

In the Baseline Condition, all 4 rooms achieve both the annual and winter sunlight targets.

In the Proposed Condition, all 4 rooms (100%) achieve both the annual and winter sunlight targets.

The sunlight amenity impact of the Proposed Development on these rooms is negligible and not significant.

Proximity

18-20 Rochdale Road,
Manchester, M4 4JQ

Sunlight Amenity (External Amenity Spaces)

There are no external amenity areas associated with this neighbouring building.

Proximity

3 Barrington Road, Altrincham, WA14 1GY
weareproximity.co.uk
Tel: 0345 257 5535

CLIENT:
Portwood Developments Ltd

PROJECT:
Rochdale Road Phase 2
Manchester

DRAWING TITLE:
Contour Plots
Daylight Distribution

SCALE @ A2:	DATE:	DRAWN:	PRX
NTS	10.03.2026	CHECKED:	DMH

DRAWING NUMBER:	REV:
2257_MA-20	01

REV:	NOTES:	DRWN:	DATE:

Massing Legend

Existing

Proposed

All heights in m AOD

DD Legend

Room Area (Measured Layout)

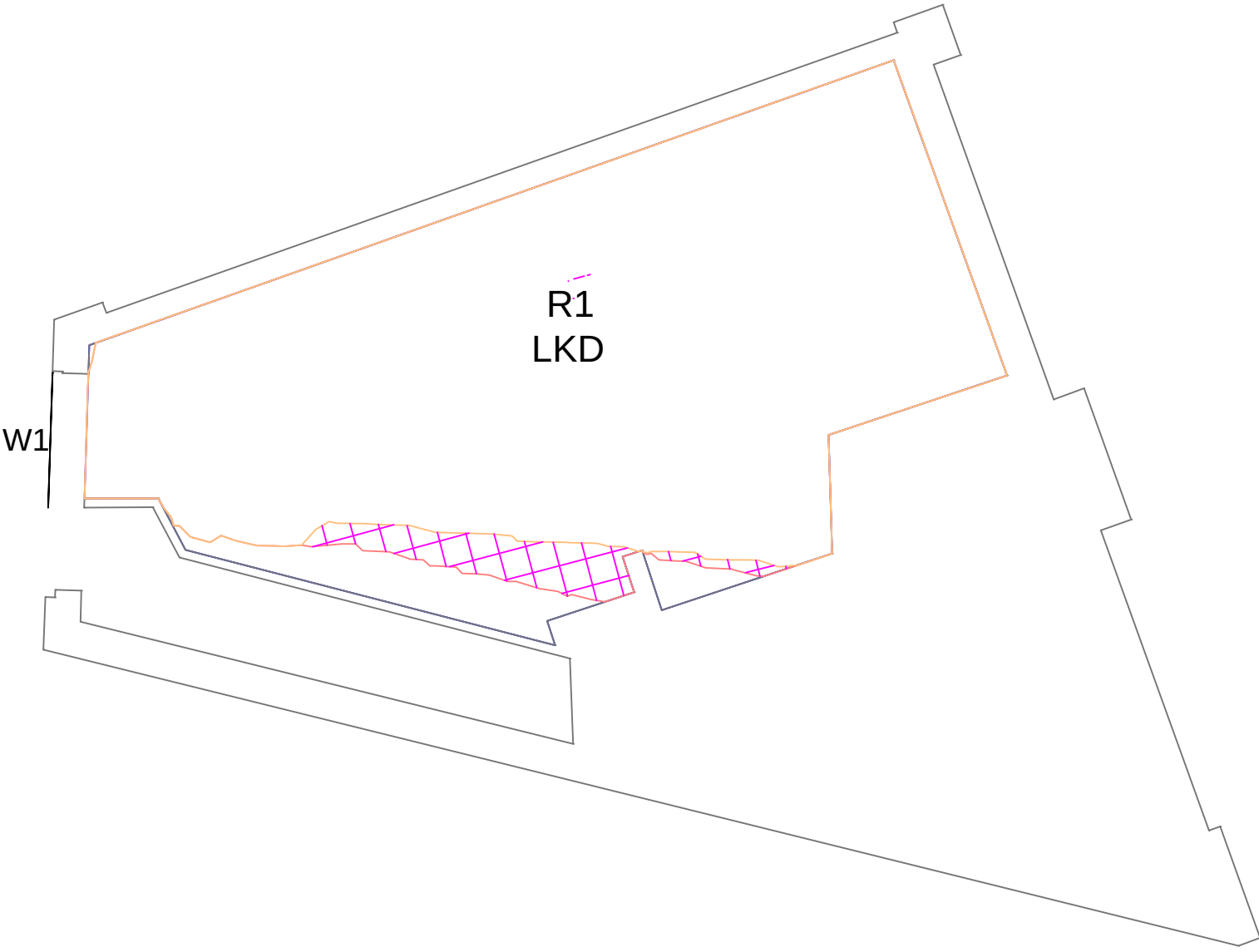
Existing NoSky Area

Proposed NoSky Area

Area of Loss/Gain

NOTES:
No dimensions are to be scaled from this drawing.
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discrepancy occurs between specification and
drawings the supervising officer must be notified.

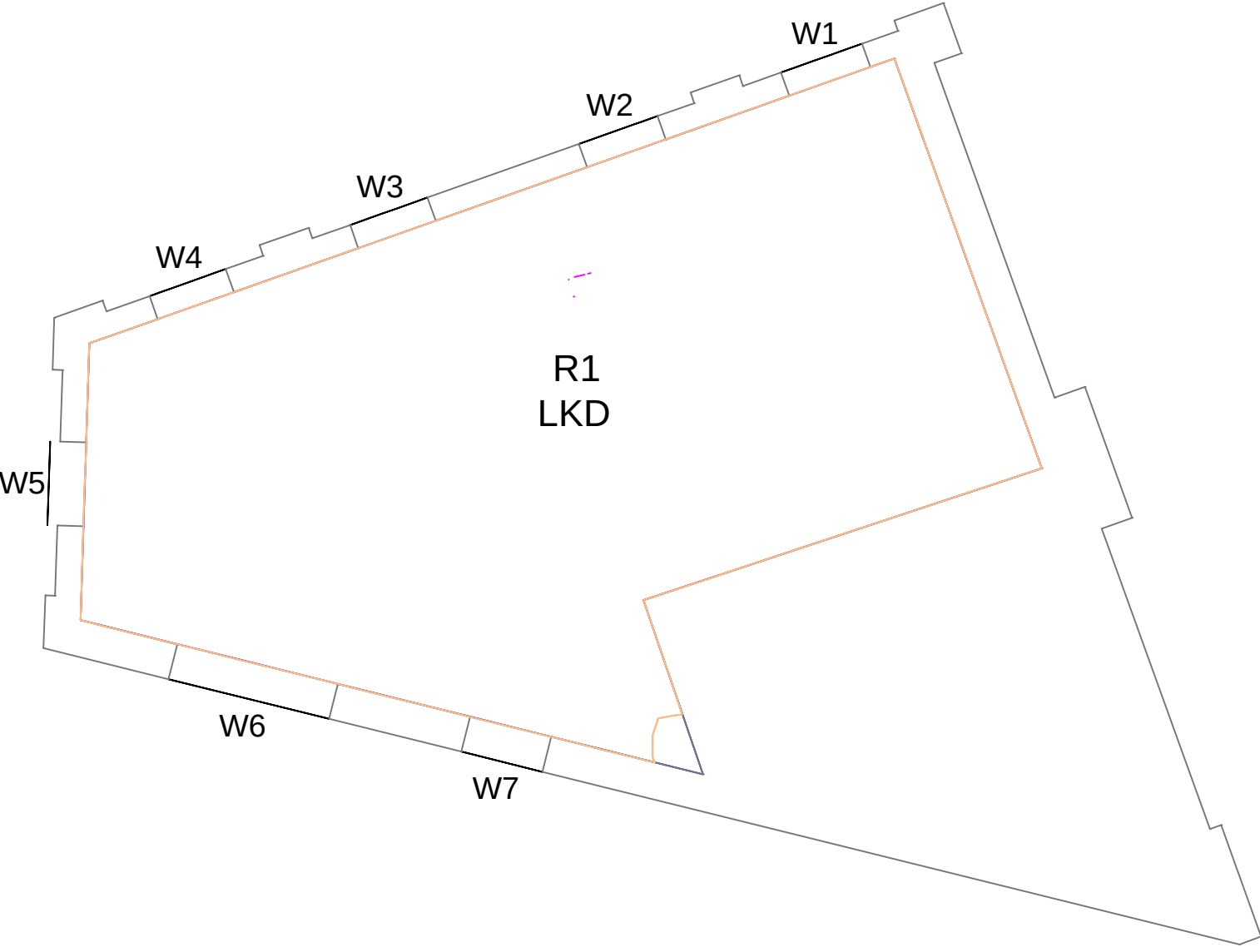
18-20 Rochdale Road
Ground Floor



18-20 Rochdale Road
First Floor



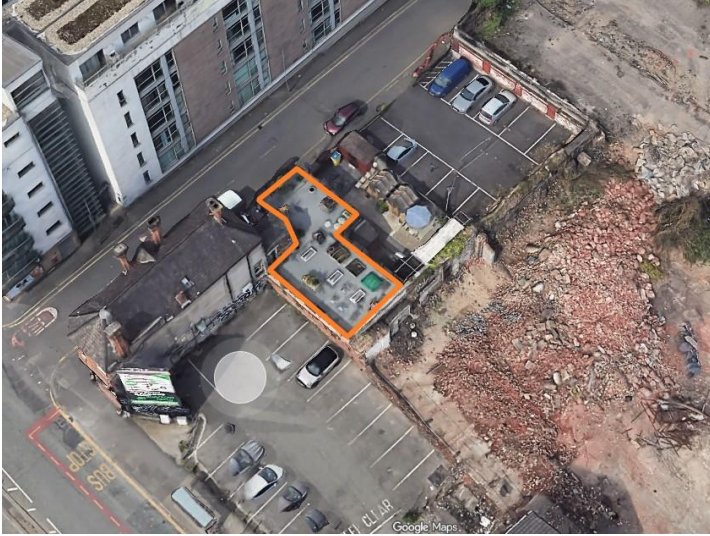
18-20 Rochdale Road
Second Floor



18-20 Rochdale Road
Third Floor



Marble Arch Roof Terrace, 73 Rochdale Road, M4 4HY



Sunlight to External Amenity Area

The Marble Arch is a public house located to the immediate west of the Site.

The terraced area at first floor level is understood to be a private roof terrace for use of the landlady, and is therefore an external amenity area worthy of time in sun impact assessment.

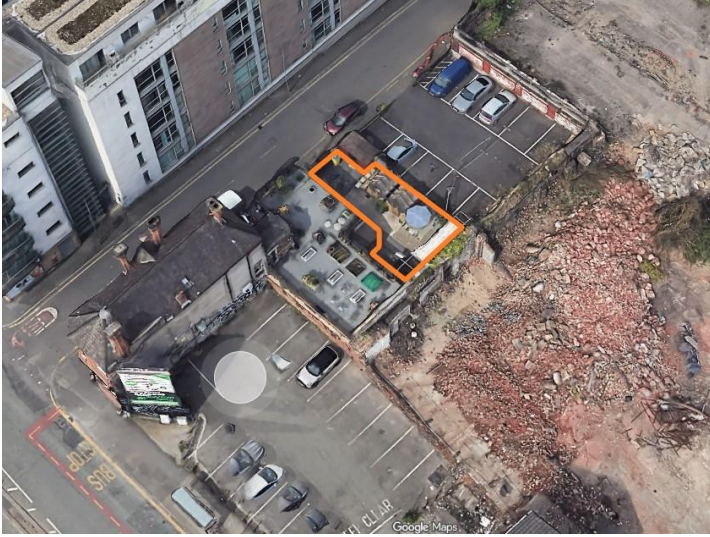
In the Baseline Condition the roof terrace of this building is well sunlit, achieving the BRE target of at least 2 hours time in sun on 21 March to 65% of its area.

This good level of sunlight amenity is uncommon for a first floor level amenity space within the City Centre. This high level of sunlight amenity in the Baseline condition is a result of this space being adjacent to an open parcel of land, with no massing to obstruct direct sunlight.

In the Proposed Condition this roof terrace will continue to receive 2 Hours Time in Sun to circa 61% of its area, therefore achieving the BRE target. In accordance with the BRE Guidance, this external amenity area would appear adequately sunlit throughout the year.

The impact of the Proposed Development on sunlight to this external amenity space is therefore not significant.

Marble Arch Beer Garden,
73 Rochdale Road, M4 4HY



Sunlight to External Amenity Area

The Marble Arch is a public house located to the immediate west of the Site.

The Marble Arch has a beer garden to its side, which is therefore an external amenity area worthy of time in sun impact assessment.

In the Baseline Condition the beer garden is not well sunlit, achieving the BRE target of at least 2 hours time in sun on 21 March to approximately one third (32%) of its area.

In the Baseline Condition, this amenity space is of limited sunlight amenity, due to the massing of the Phase 1 apartment buildings to the east, 6 Ludgate Hill to the west and the existing massing of the Marble Arch building to the immediate south.

The beer garden area will experience a small reduction in sunlight amenity, with 28.8% of its area receiving 2 Hours Time in Sun on 21 March in the Proposed Condition.

Notwithstanding this small reduction, the area that continues to receive at least 2 Hours Time in Sun on 21 March to more than 0.8x Baseline value, and on that basis (and in accordance with the BRE Guidance), the reduction is unlikely to be noticeable to the occupants / users of this space.

The impact of the Proposed Development on sunlight to this external amenity space is therefore not significant.

CLIENT:
Portwood Developments Ltd

PROJECT:
Rochdale Road Phase 2
Manchester

DRAWING TITLE:
Contour Plots
Daylight Distribution

SCALE @ A2:	DATE:	DRAWN:	PRX
NTS	10.03.2026	CHECKED:	DMH

DRAWING NUMBER:	REV:
2257_MA-21	01

REV:	NOTES:	DRWN:	DATE:

Massing Legend

Existing

Proposed

All heights in m AOD

Amenity Legend

Area analysed

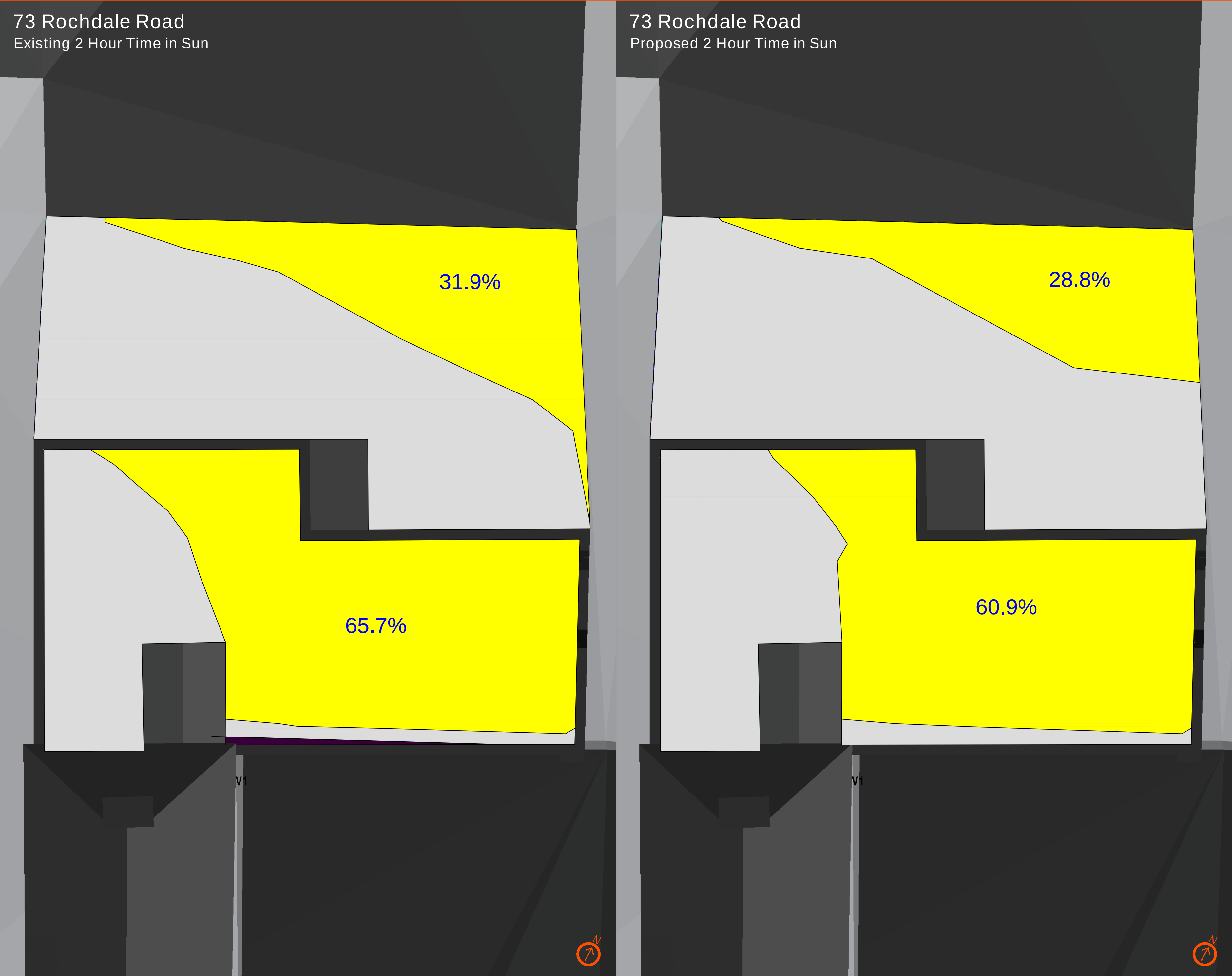
Area with more than 2 Hours direct sunlight

Area with less than 2 Hours direct sunlight

Percentage of area with more than 2 Hours direct sunlight

NOTES:

No dimensions are to be scaled from this drawing.
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Appendix One – Limitations, Assumptions, and General Clarifications

We have inspected the Site and walked its surroundings and in so doing have identified the window provision of the neighbouring buildings that overlook the Site (to the extent that such windows are capable of being observed from the adjacent public highways). This has been supplemented with Google Earth Imagery.

To facilitate the running of the technical analysis, we have constructed 3D massing models of the Site and its immediate surroundings, both in its existing configuration and as is proposed. In building the digital 3D massing models we have relied upon the following information, provided to us by others:

- > A photogrammetric model of the Site and its surroundings AccuCities;
- > Point Cloud survey prepared by ND Oliver; and
- > 3D model of the Proposed Development prepared by Jon Matthews Architects.

The interior of the neighbouring buildings considered as part of this Report have not been inspected. It has, therefore, been necessary to make assumptions regarding the use and arrangement of the neighbouring rooms. These assumptions can be observed from the No Sky Line Contour Plans enclosed.

Our room arrangement and future massing assumptions are influenced by plans forming part of planning applications downloaded from Manchester City Council's Planning Public Access System and other online or digital resources, as follows:

- > The Gasworks development – MCC ref. 128248/FO/2020
- > Phase 1 Apartment Buildings and Coach Houses – 3d model from JMA Architects
- > 6 Ludgate Hill – leaseplans available from Land Registry
- > 18-20 Rochdale Road – MCC Ref CDN/20/0515
- > Citadel – leaseplans available from Land Registry

The height between the internal floor level and the window cill in each room of the neighbouring buildings will influence the position of the working plane, which is the level at which the internal distribution of skylight is measured. We have had to assume the position of the working plane.

On the basis that the neighbouring buildings have not been inspected, we have also had to make assumptions as to their internal use and function. Our assumptions are primarily influenced by observations made during our Site inspection. We have also identified the neighbouring buildings of residential use by reference to Valuation Office Agency records – neighbouring buildings with a Council Tax Band being of residential use.

Our technical analysis only appraises the daylight and sunlight amenity impact that the massing of the Proposed Development will have on the of the surrounding built environment. It is not a cumulative assessment that acknowledges the massing of any other development proposed in the vicinity of the Site.

Appendix Two – Technical Analysis Results

Comprising tabulated VSC, NSL and APSH Results

Project Name: Rochdale Road P2 REV01
Project No.: 2257
Report Title: Daylight & Sunlight - Neighbour Analysis



Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	VSC Existing	VSC Proposed	VSC Lost	Pr/Ex
The Citadel Ludgate Hill								
Ground	R1	Residential	Unknown	W1	14.94	10.92	4.02	0.73
				W2	19.24	16.53	2.71	0.86
				W3	19.37	17.14	2.23	0.88
				W4	18.89	16.87	2.02	0.89
	R2	Residential	Unknown	W5	17.58	15.80	1.78	0.90
	R3	Residential	Unknown	W6	15.18	13.63	1.55	0.90
	R4	Residential	Unknown	W7	13.71	12.38	1.33	0.90
	R5	Residential	Unknown	W8	13.39	12.18	1.21	0.91
	R6	Residential	Unknown	W9	12.19	11.15	1.04	0.91
	R7	Residential	Unknown	W10	12.44	11.49	0.95	0.92
	R8	Residential	Unknown	W11	12.23	11.41	0.82	0.93
	R9	Residential	Unknown	W12	11.86	11.16	0.70	0.94
	R10	Residential	Unknown	W13	11.99	11.45	0.54	0.95
	R11	Residential	Unknown	W14	0.00	0.00	0.00	1.00
	R12	Residential	Unknown	W15	3.91	3.33	0.58	0.85
				W16	11.59	11.23	0.36	0.97
	R13	Residential	Unknown	W17	11.61	11.31	0.30	0.97
	R14	Residential	Unknown	W18	11.86	11.60	0.26	0.98
				W19	12.25	12.05	0.20	0.98
				W20	19.59	19.59	0.00	1.00
First	R1	Residential	Unknown	W1	16.50	12.22	4.28	0.74
				W2	22.21	19.19	3.02	0.86
				W3	21.85	19.34	2.51	0.89
				W4	21.15	18.86	2.29	0.89
	R2	Residential	Unknown	W5	19.74	17.71	2.03	0.90
	R3	Residential	Unknown	W6	17.43	15.66	1.77	0.90
	R4	Residential	Unknown	W7	16.03	14.49	1.54	0.90
	R5	Residential	Unknown	W8	15.83	14.44	1.39	0.91
	R6	Residential	Unknown	W9	14.56	13.36	1.20	0.92
	R7	Residential	Unknown	W10	14.90	13.82	1.08	0.93
	R8	Residential	Unknown	W11	14.71	13.78	0.93	0.94
	R9	Residential	Unknown	W12	14.30	13.51	0.79	0.94
	R10	Residential	Unknown	W13	14.50	13.88	0.62	0.96

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Proximity

Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	VSC Existing	VSC Proposed	VSC Lost	Pr/Ex
	R11	Residential	Unknown	W14	0.57	0.57	0.00	1.00
	R12	Residential	Unknown	W15	5.07	4.37	0.70	0.86
				W16	14.02	13.59	0.43	0.97
	R13	Residential	Unknown	W17	14.00	13.63	0.37	0.97
	R14	Residential	Unknown	W18	14.21	13.89	0.32	0.98
				W19	14.57	14.31	0.26	0.98
				W20	22.70	22.70	0.00	1.00
Second	R1	Residential	Unknown	W1	18.25	13.80	4.45	0.76
				W2	24.72	21.45	3.27	0.87
				W3	24.21	21.46	2.75	0.89
				W4	23.46	20.94	2.52	0.89
	R2	Residential	Unknown	W5	22.15	19.89	2.26	0.90
	R3	Residential	Unknown	W6	20.05	18.06	1.99	0.90
	R4	Residential	Unknown	W7	18.77	17.04	1.73	0.91
	R5	Residential	Unknown	W8	18.74	17.18	1.56	0.92
	R6	Residential	Unknown	W9	17.42	16.07	1.35	0.92
	R7	Residential	Unknown	W10	17.89	16.67	1.22	0.93
	R8	Residential	Unknown	W11	17.71	16.66	1.05	0.94
	R9	Residential	Unknown	W12	17.29	16.38	0.91	0.95
	R10	Residential	Unknown	W13	17.59	16.84	0.75	0.96
	R11	Residential	Unknown	W14	2.92	2.92	0.00	1.00
	R12	Residential	Unknown	W15	6.28	5.39	0.89	0.86
				W16	17.07	16.53	0.54	0.97
	R13	Residential	Unknown	W17	16.98	16.52	0.46	0.97
	R14	Residential	Unknown	W18	17.13	16.72	0.41	0.98
				W19	17.41	17.07	0.34	0.98
				W20	26.54	26.54	0.00	1.00
Third	R1	Residential	Unknown	W1	20.35	15.84	4.51	0.78
				W2	27.18	23.79	3.39	0.88
				W3	26.56	23.67	2.89	0.89
				W4	25.91	23.24	2.67	0.90
	R2	Residential	Unknown	W5	24.79	22.38	2.41	0.90
	R3	Residential	Unknown	W6	23.03	20.90	2.13	0.91
	R4	Residential	Unknown	W7	22.00	20.12	1.88	0.91
	R5	Residential	Unknown	W8	22.22	20.52	1.70	0.92

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Proximity

Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	VSC Existing	VSC Proposed	VSC Lost	Pr/Ex
	R6	Residential	Unknown	W9	20.86	19.38	1.48	0.93
	R7	Residential	Unknown	W10	21.52	20.18	1.34	0.94
	R8	Residential	Unknown	W11	21.37	20.17	1.20	0.94
	R9	Residential	Unknown	W12	20.92	19.86	1.06	0.95
	R10	Residential	Unknown	W13	21.32	20.43	0.89	0.96
	R11	Residential	Unknown	W14	5.92	5.92	0.00	1.00
	R12	Residential	Unknown	W15	7.71	6.60	1.11	0.86
				W16	20.76	20.09	0.67	0.97
	R13	Residential	Unknown	W17	20.63	20.05	0.58	0.97
	R14	Residential	Unknown	W18	20.69	20.17	0.52	0.97
				W19	20.84	20.40	0.44	0.98
				W20	30.61	30.61	0.00	1.00
Fourth	R1	Residential	Unknown	W1	23.07	18.56	4.51	0.80
				W2	29.58	26.13	3.45	0.88
				W3	29.00	26.01	2.99	0.90
				W4	28.52	25.74	2.78	0.90
	R2	Residential	Unknown	W5	27.77	25.24	2.53	0.91
	R3	Residential	Unknown	W6	26.52	24.27	2.25	0.92
	R4	Residential	Unknown	W7	25.81	23.82	1.99	0.92
	R5	Residential	Unknown	W8	26.29	24.47	1.82	0.93
	R6	Residential	Unknown	W9	24.81	23.23	1.58	0.94
	R7	Residential	Unknown	W10	25.67	24.22	1.45	0.94
	R8	Residential	Unknown	W11	25.55	24.25	1.30	0.95
	R9	Residential	Unknown	W12	25.11	23.95	1.16	0.95
	R10	Residential	Unknown	W13	25.58	24.59	0.99	0.96
	R11	Residential	Unknown	W14	8.35	8.35	0.00	1.00
	R12	Residential	Unknown	W15	8.92	7.67	1.25	0.86
				W16	24.94	24.18	0.76	0.97
	R13	Residential	Unknown	W17	24.71	24.05	0.66	0.97
	R14	Residential	Unknown	W18	24.65	24.05	0.60	0.98
				W19	24.63	24.12	0.51	0.98
				W20	33.52	33.52	0.00	1.00
Fifth	R1	Residential	Unknown	W1	26.44	22.05	4.39	0.83
				W2	31.64	28.21	3.43	0.89
				W3	31.01	27.99	3.02	0.90

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Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	VSC Existing	VSC Proposed	VSC Lost	Pr/Ex
				W4	30.71	27.89	2.82	0.91
	R2	Residential	Unknown	W5	30.70	28.12	2.58	0.92
	R3	Residential	Unknown	W6	30.16	27.84	2.32	0.92
	R4	Residential	Unknown	W7	29.82	27.75	2.07	0.93
	R5	Residential	Unknown	W8	30.25	28.38	1.87	0.94
	R6	Residential	Unknown	W9	28.24	26.60	1.64	0.94
	R7	Residential	Unknown	W10	29.58	28.07	1.51	0.95
	R8	Residential	Unknown	W11	29.50	28.15	1.35	0.95
	R9	Residential	Unknown	W12	29.14	27.93	1.21	0.96
	R10	Residential	Unknown	W13	29.54	28.51	1.03	0.97
	R11	Residential	Unknown	W14	18.89	18.89	0.00	1.00
	R12	Residential	Unknown	W15	13.03	11.71	1.32	0.90
				W16	28.88	28.08	0.80	0.97
	R13	Residential	Unknown	W17	28.49	27.78	0.71	0.98
	R14	Residential	Unknown	W18	28.21	27.57	0.64	0.98
				W19	27.81	27.26	0.55	0.98
				W20	33.60	33.60	0.00	1.00
6 Ludgate Hill								
Ground	R4	Residential	Unknown	W4	21.72	14.63	7.09	0.67
	R5	Residential	Unknown	W5	22.57	14.72	7.85	0.65
	R6	Residential	Unknown	W6	23.15	14.94	8.21	0.65
	R7	Residential	Unknown	W7	24.50	16.06	8.44	0.66
	R8	Residential	Unknown	W8	24.86	16.71	8.15	0.67
	R9	Residential	Unknown	W9	25.07	16.92	8.15	0.67
	R10	Residential	Unknown	W10	25.09	17.15	7.94	0.68
	R11	Residential	Unknown	W11	24.95	17.27	7.68	0.69
	R12	Residential	Unknown	W12	24.83	17.43	7.40	0.70
	R13	Residential	Unknown	W13	23.84	17.17	6.67	0.72
	R14	Residential	Unknown	W14	23.55	17.22	6.33	0.73
	R15	Residential	Unknown	W15	23.30	17.32	5.98	0.74
	R16	Residential	Unknown	W16	23.01	17.55	5.46	0.76

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Proximity

Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	VSC Existing	VSC Proposed	VSC Lost	Pr/Ex
	R17	Residential	Unknown	W17	11.70	11.70	0.00	1.00
First	R1	Residential	Unknown	W1	31.43	31.43	0.00	1.00
				W2	23.12	16.66	6.46	0.72
				W3	27.23	19.88	7.35	0.73
	R5	Residential	Unknown	W7	25.65	16.55	9.10	0.65
	R6	Residential	Unknown	W8	25.83	16.60	9.23	0.64
	R7	Residential	Unknown	W9	26.37	16.79	9.58	0.64
	R8	Residential	Unknown	W10	27.31	17.88	9.43	0.65
	R9	Residential	Unknown	W11	27.45	18.53	8.92	0.68
	R10	Residential	Unknown	W12	27.53	18.78	8.75	0.68
	R11	Residential	Unknown	W13	27.38	19.08	8.30	0.70
	R12	Residential	Unknown	W14	27.22	19.25	7.97	0.71
	R13	Residential	Unknown	W15	27.09	19.46	7.63	0.72
	R14	Residential	Unknown	W16	26.18	19.34	6.84	0.74
	R15	Residential	Unknown	W17	25.97	19.50	6.47	0.75
	R16	Residential	Unknown	W18	25.84	19.73	6.11	0.76
	R17	Residential	Unknown	W19	25.69	20.14	5.55	0.78
	R18	Residential	Unknown	W20	14.33	14.33	0.00	1.00
Second	R1	Residential	Unknown	W1	31.86	31.86	0.00	1.00
				W2	25.55	17.89	7.66	0.70
				W3	30.92	21.84	9.08	0.71
	R5	Residential	Unknown	W7	29.27	18.58	10.69	0.63
	R6	Residential	Unknown	W8	29.14	18.53	10.61	0.64
	R7	Residential	Unknown	W9	29.38	18.65	10.73	0.63
	R8	Residential	Unknown	W10	29.75	19.67	10.08	0.66
	R9	Residential	Unknown	W11	29.75	20.32	9.43	0.68
	R10	Residential	Unknown	W12	29.69	20.57	9.12	0.69
	R11	Residential	Unknown	W13	29.44	20.95	8.49	0.71
	R12	Residential	Unknown	W14	29.29	21.17	8.12	0.72
	R13	Residential	Unknown	W15	29.20	21.44	7.76	0.73
	R14	Residential	Unknown	W16	28.45	21.53	6.92	0.76

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Proximity

Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	VSC Existing	VSC Proposed	VSC Lost	Pr/Ex
	R15	Residential	Unknown	W17	28.32	21.78	6.54	0.77
	R16	Residential	Unknown	W18	28.28	22.11	6.17	0.78
	R17	Residential	Unknown	W19	28.33	22.76	5.57	0.80
	R18	Residential	Unknown	W20	17.97	17.97	0.00	1.00
Third	R1	Residential	Unknown	W1	31.84	31.84	0.00	1.00
				W2	26.53	18.29	8.24	0.69
				W3	32.98	23.11	9.87	0.70
	R5	Residential	Unknown	W7	32.31	20.42	11.89	0.63
	R6	Residential	Unknown	W8	32.02	20.27	11.75	0.63
	R7	Residential	Unknown	W9	31.92	20.36	11.56	0.64
	R8	Residential	Unknown	W10	31.72	21.34	10.38	0.67
	R9	Residential	Unknown	W11	31.59	21.94	9.65	0.69
	R10	Residential	Unknown	W12	31.47	22.20	9.27	0.71
	R11	Residential	Unknown	W13	31.21	22.65	8.56	0.73
	R12	Residential	Unknown	W14	31.11	22.93	8.18	0.74
	R13	Residential	Unknown	W15	31.08	23.28	7.80	0.75
	R14	Residential	Unknown	W16	30.57	23.63	6.94	0.77
	R15	Residential	Unknown	W17	30.53	23.99	6.54	0.79
	R16	Residential	Unknown	W18	30.56	24.40	6.16	0.80
	R17	Residential	Unknown	W19	30.80	25.26	5.54	0.82
	R18	Residential	Unknown	W20	23.29	23.29	0.00	1.00
Fourth	R1	Residential	Unknown	W1	37.09	37.09	0.00	1.00
				W2	32.37	23.89	8.48	0.74
				W3	33.91	23.85	10.06	0.70
	R5	Residential	Unknown	W7	33.42	21.40	12.02	0.64
	R6	Residential	Unknown	W8	33.23	21.26	11.97	0.64
	R7	Residential	Unknown	W9	33.05	21.31	11.74	0.64
	R8	Residential	Unknown	W10	32.77	22.37	10.40	0.68
	R9	Residential	Unknown	W11	32.66	23.02	9.64	0.70
	R10	Residential	Unknown	W12	32.55	23.32	9.23	0.72
	R11	Residential	Unknown	W13	32.38	23.88	8.50	0.74

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Proximity

Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	VSC Existing	VSC Proposed	VSC Lost	Pr/Ex
	R12	Residential	Unknown	W14	32.35	24.25	8.10	0.75
	R13	Residential	Unknown	W15	32.38	24.68	7.70	0.76
	R14	Residential	Unknown	W16	32.04	25.22	6.82	0.79
	R15	Residential	Unknown	W17	32.08	25.67	6.41	0.80
	R16	Residential	Unknown	W18	32.19	26.16	6.03	0.81
	R17	Residential	Unknown	W19	32.54	27.15	5.39	0.83
	R18	Residential	Unknown	W20	30.29	30.29	0.00	1.00
Fifth	R1	Residential	Unknown	W1	39.17	39.17	0.00	1.00
				W2	35.34	26.57	8.77	0.75
				W3	35.22	25.03	10.19	0.71
	R5	Residential	Unknown	W6	34.54	23.13	11.41	0.67
	R6	Residential	Unknown	W7	34.46	23.08	11.38	0.67
	R7	Residential	Unknown	W8	34.28	23.42	10.86	0.68
	R8	Residential	Unknown	W9	34.12	24.49	9.63	0.72
	R9	Residential	Unknown	W10	34.01	25.25	8.76	0.74
	R10	Residential	Unknown	W11	33.95	25.65	8.30	0.76
	R11	Residential	Unknown	W12	33.92	26.19	7.73	0.77
	R12	Residential	Unknown	W13	33.89	26.80	7.09	0.79
	R13	Residential	Unknown	W14	33.76	27.31	6.45	0.81
	R14	Residential	Unknown	W15	33.78	28.02	5.76	0.83
	R15	Residential	Unknown	W16	31.73	26.55	5.18	0.84
	R16	Residential	Unknown	W17	37.38	37.38	0.00	1.00
18-20 Rochdale Road								
Ground	R1	Residential	LKD	W1	26.75	25.52	1.23	0.95
First	R1	Residential	Bedroom	W1	35.07	35.07	0.00	1.00
				W2	28.18	27.87	0.31	0.99
				W3	27.69	27.33	0.36	0.99
	R2	Residential	Bedroom	W4	27.17	26.74	0.43	0.98
	R3	Residential	Bedroom	W5	26.53	26.02	0.51	0.98
				W6	28.89	27.61	1.28	0.96
				W7	39.00	38.93	0.07	1.00
Second	R1	Residential	LKD	W1	28.87	28.56	0.31	0.99
				W2	28.24	27.87	0.37	0.99
				W3	27.72	27.29	0.43	0.98

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Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	VSC Existing	VSC Proposed	VSC Lost	Pr/Ex
				W4	27.18	26.67	0.51	0.98
				W5	29.57	28.29	1.28	0.96
				W6	39.19	39.12	0.07	1.00
				W7	39.19	39.14	0.05	1.00
Third	R1	Residential	Bedroom	W1	29.87	29.56	0.31	0.99
				W2	29.61	29.24	0.37	0.99
	R2	Residential	Bedroom	W3	29.15	28.72	0.43	0.99
				R3	Residential	Bedroom	W4	28.02
	W5	30.67	29.40				1.27	0.96
	W6	39.21	39.20				0.01	1.00
	W7	39.30	39.28				0.02	1.00
	Phase 1 Coach House							
First	R1	Residential	LKD	W1	14.87	14.87	0.00	1.00
				W2	12.81	7.93	4.88	0.62
	R2	Residential	LKD	W3	17.35	14.45	2.90	0.83
				W6	17.85	17.85	0.00	1.00
	R3	Residential	LKD	W4	16.37	14.46	1.91	0.88
				W5	18.19	18.19	0.00	1.00
Second	R1	Residential	Bedroom	W1	17.66	17.66	0.00	1.00
	R2	Residential	Bedroom	W2	29.28	17.95	11.33	0.61
	R3	Residential	Bedroom	W3	15.16	10.71	4.45	0.71
	R4	Residential	Bedroom	W4	19.13	15.95	3.18	0.83
	R5	Residential	Bedroom	W5	18.47	16.37	2.10	0.89
Third	R1	Residential	Bedroom	W1	21.26	21.26	0.00	1.00
	R2	Residential	Bedroom	W2	31.59	19.70	11.89	0.62
	R3	Residential	Bedroom	W3	16.61	12.03	4.58	0.72
	R4	Residential	Bedroom	W4	20.82	18.28	2.54	0.88
	R5	Residential	Bedroom	W5	20.60	18.46	2.14	0.90
	R6	Residential	Bedroom	W6	19.95	18.24	1.71	0.91
Fourth	R1	Residential	LKD	W1	27.31	27.31	0.00	1.00
				W2	32.98	20.15	12.83	0.61
				W3	16.58	10.63	5.95	0.64
	R2	Residential	LKD	W4	22.77	19.67	3.10	0.86
				W7	29.69	29.69	0.00	1.00
	R3	Residential	LKD	W5	23.12	21.08	2.04	0.91
W6				30.27	30.27	0.00	1.00	
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Ground	R1	Residential	LKD	W1	16.46	16.46	0.00	1.00
				W2	16.25	16.25	0.00	1.00
	R2	Residential	Bedroom	W3	20.21	18.23	1.98	0.90
	R3	Residential	Bedroom	W4	21.57	19.06	2.51	0.88
	R4	Residential	LKD	W5	23.45	19.43	4.02	0.83
				W6	11.41	3.26	8.15	0.29
				W7	21.68	1.61	20.07	0.07
				W8	26.43	3.25	23.18	0.12
	R5	Residential	LKD	W9	19.11	1.85	17.26	0.10
	R6	Residential	Bedroom	W10	24.80	4.30	20.50	0.17
	R7	Residential	Bedroom	W11	16.29	6.10	10.19	0.37
	R8	Residential	LKD	W12	22.82	6.33	16.49	0.28
				W13	13.37	5.58	7.79	0.42
First	R1	Residential	LKD	W1	22.07	22.07	0.00	1.00
				W2	24.89	23.55	1.34	0.95
	R2	Residential	Bedroom	W3	26.49	24.44	2.05	0.92
	R3	Residential	Bedroom	W4	27.37	24.75	2.62	0.90
	R4	Residential	LKD	W5	27.63	23.91	3.72	0.87
				W6	30.02	4.24	25.78	0.14
	R5	Residential	Bedroom	W7	29.10	4.13	24.97	0.14
	R6	Residential	Bedroom	W8	27.85	4.15	23.70	0.15
	R7	Residential	LKD	W9	26.53	5.99	20.54	0.23
	R8	Residential	Bedroom	W10	25.14	8.76	16.38	0.35
	R9	Residential	Bedroom	W11	23.64	8.61	15.03	0.36
	R10	Residential	LKD	W12	22.04	8.45	13.59	0.38
	R11	Residential	Bedroom	W13	20.33	8.06	12.27	0.40
	R12	Residential	Bedroom	W14	16.31	5.29	11.02	0.32
	R13	Residential	LKD	W15	12.11	3.17	8.94	0.26
	R14	Residential	Bedroom	W16	9.34	3.16	6.18	0.34
	R15	Residential	Bedroom	W17	7.55	3.36	4.19	0.45
	R16	Residential	LKD	W18	5.31	5.12	0.19	0.96
	R17	Residential	Bedroom	W19	5.42	5.31	0.11	0.98
	R18	Residential	Bedroom	W20	5.30	5.30	0.00	1.00

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	R19	Residential	LKD	W21	4.85	4.85	0.00	1.00
				W22	25.72	5.01	20.71	0.19
	R20	Residential	Bedroom	W23	27.74	4.15	23.59	0.15
	R21	Residential	Bedroom	W24	28.59	4.34	24.25	0.15
	R22	Residential	LKD	W25	29.25	5.00	24.25	0.17
	R23	Residential	Bedroom	W26	29.70	6.30	23.40	0.21
	R24	Residential	LKD	W27	30.07	8.50	21.57	0.28
				W28	30.38	12.04	18.34	0.40
				W29	37.83	37.83	0.00	1.00
Second	R1	Residential	LKD	W1	25.83	25.83	0.00	1.00
				W2	29.76	28.44	1.32	0.96
	R2	Residential	Bedroom	W3	30.99	28.95	2.04	0.93
	R3	Residential	Bedroom	W4	31.38	28.75	2.63	0.92
	R4	Residential	LKD	W5	31.02	27.25	3.77	0.88
				W6	31.40	4.72	26.68	0.15
	R5	Residential	Bedroom	W7	30.42	4.59	25.83	0.15
	R6	Residential	Bedroom	W8	29.21	4.66	24.55	0.16
	R7	Residential	LKD	W9	27.87	6.55	21.32	0.24
	R8	Residential	Bedroom	W10	26.40	9.36	17.04	0.35
	R9	Residential	Bedroom	W11	24.78	9.15	15.63	0.37
	R10	Residential	LKD	W12	23.06	8.94	14.12	0.39
	R11	Residential	Bedroom	W13	21.25	8.51	12.74	0.40
	R12	Residential	Bedroom	W14	17.15	5.73	11.42	0.33
	R13	Residential	LKD	W15	12.79	3.56	9.23	0.28
	R14	Residential	Bedroom	W16	9.85	3.51	6.34	0.36
	R15	Residential	Bedroom	W17	7.94	3.69	4.25	0.46
	R16	Residential	LKD	W18	6.00	5.81	0.19	0.97
	R17	Residential	Bedroom	W19	6.20	6.09	0.11	0.98
	R18	Residential	Bedroom	W20	6.09	6.09	0.00	1.00
	R19	Residential	LKD	W21	5.69	5.69	0.00	1.00
				W22	27.64	5.59	22.05	0.20
	R20	Residential	Bedroom	W23	30.00	4.63	25.37	0.15

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	R21	Residential	Bedroom	W24	31.16	4.75	26.41	0.15
	R22	Residential	LKD	W25	32.17	5.39	26.78	0.17
	R23	Residential	Bedroom	W26	33.07	6.70	26.37	0.20
	R24	Residential	LKD	W27	33.93	8.95	24.98	0.26
				W28	33.99	12.44	21.55	0.37
				W29	38.19	38.19	0.00	1.00
Third	R1	Residential	LKD	W1	29.80	29.80	0.00	1.00
				W2	34.03	32.72	1.31	0.96
	R2	Residential	Bedroom	W3	34.85	32.83	2.02	0.94
	R3	Residential	Bedroom	W4	34.91	32.29	2.62	0.92
	R4	Residential	LKD	W5	34.07	30.28	3.79	0.89
				W6	32.39	5.24	27.15	0.16
	R5	Residential	Bedroom	W7	31.41	5.11	26.30	0.16
	R6	Residential	Bedroom	W8	30.21	5.25	24.96	0.17
	R7	Residential	LKD	W9	28.84	7.19	21.65	0.25
	R8	Residential	Bedroom	W10	27.32	9.97	17.35	0.36
	R9	Residential	Bedroom	W11	25.63	9.73	15.90	0.38
	R10	Residential	LKD	W12	23.83	9.48	14.35	0.40
	R11	Residential	Bedroom	W13	21.94	9.00	12.94	0.41
	R12	Residential	Bedroom	W14	17.80	6.22	11.58	0.35
	R13	Residential	LKD	W15	13.40	4.05	9.35	0.30
	R14	Residential	Bedroom	W16	10.35	3.95	6.40	0.38
	R15	Residential	Bedroom	W17	8.36	4.11	4.25	0.49
	R16	Residential	LKD	W18	6.93	6.74	0.19	0.97
	R17	Residential	Bedroom	W19	7.26	7.14	0.12	0.98
	R18	Residential	Bedroom	W20	7.17	7.17	0.00	1.00
	R19	Residential	LKD	W21	6.82	6.82	0.00	1.00
				W22	29.10	6.23	22.87	0.21
	R20	Residential	Bedroom	W23	31.50	5.14	26.36	0.16
	R21	Residential	Bedroom	W24	32.66	5.13	27.53	0.16
	R22	Residential	LKD	W25	33.62	5.69	27.93	0.17

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	R23	Residential	Bedroom	W26	34.41	6.94	27.47	0.20
	R24	Residential	LKD	W27	35.05	9.15	25.90	0.26
				W28	34.97	12.64	22.33	0.36
				W29	38.34	38.34	0.00	1.00
Fourth	R1	Residential	LKD	W1	33.25	33.25	0.00	1.00
				W2	36.23	34.95	1.28	0.96
	R2	Residential	Bedroom	W3	36.84	34.85	1.99	0.95
	R3	Residential	Bedroom	W4	36.83	34.24	2.59	0.93
	R4	Residential	LKD	W5	35.83	32.06	3.77	0.89
				W6	33.12	5.76	27.36	0.17
	R5	Residential	Bedroom	W7	32.16	5.68	26.48	0.18
	R6	Residential	Bedroom	W8	30.96	5.92	25.04	0.19
	R7	Residential	LKD	W9	29.58	7.93	21.65	0.27
	R8	Residential	Bedroom	W10	28.03	10.69	17.34	0.38
	R9	Residential	Bedroom	W11	26.29	10.43	15.86	0.40
	R10	Residential	LKD	W12	24.42	10.14	14.28	0.42
	R11	Residential	Bedroom	W13	22.44	9.62	12.82	0.43
	R12	Residential	Bedroom	W14	18.30	6.86	11.44	0.37
	R13	Residential	LKD	W15	13.92	4.69	9.23	0.34
	R14	Residential	Bedroom	W16	10.88	4.56	6.32	0.42
	R15	Residential	Bedroom	W17	8.88	4.67	4.21	0.53
	R16	Residential	LKD	W18	8.24	8.05	0.19	0.98
	R17	Residential	Bedroom	W19	8.71	8.59	0.12	0.99
	R18	Residential	Bedroom	W20	8.69	8.69	0.00	1.00
	R19	Residential	LKD	W21	8.40	8.40	0.00	1.00
				W22	30.16	6.98	23.18	0.23
	R20	Residential	Bedroom	W23	32.57	5.75	26.82	0.18
	R21	Residential	Bedroom	W24	33.69	5.59	28.10	0.17
	R22	Residential	LKD	W25	34.60	6.04	28.56	0.17
	R23	Residential	Bedroom	W26	35.33	7.23	28.10	0.20
	R24	Residential	LKD	W27	35.89	9.38	26.51	0.26
				W28	35.74	12.86	22.88	0.36
				W29	38.46	38.46	0.00	1.00

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Fifth	R1	Residential	LKD	W1	35.33	35.33	0.00	1.00
				W2	37.64	36.40	1.24	0.97
	R2	Residential	Bedroom	W3	38.18	36.23	1.95	0.95
	R3	Residential	Bedroom	W4	38.13	35.58	2.55	0.93
	R4	Residential	LKD	W5	37.06	33.32	3.74	0.90
				W6	33.84	6.31	27.53	0.19
	R5	Residential	Bedroom	W7	32.93	6.33	26.60	0.19
	R6	Residential	Bedroom	W8	31.76	6.72	25.04	0.21
	R7	Residential	LKD	W9	30.40	8.81	21.59	0.29
	R8	Residential	Bedroom	W10	28.84	11.56	17.28	0.40
	R9	Residential	Bedroom	W11	27.06	11.30	15.76	0.42
	R10	Residential	LKD	W12	25.13	11.00	14.13	0.44
	R11	Residential	Bedroom	W13	23.08	10.43	12.65	0.45
	R12	Residential	Bedroom	W14	18.97	7.72	11.25	0.41
	R13	Residential	LKD	W15	14.63	5.57	9.06	0.38
	R14	Residential	Bedroom	W16	11.60	5.40	6.20	0.47
	R15	Residential	Bedroom	W17	9.59	5.46	4.13	0.57
	R16	Residential	LKD	W18	10.13	9.94	0.19	0.98
	R17	Residential	Bedroom	W19	10.77	10.65	0.12	0.99
	R18	Residential	Bedroom	W20	10.75	10.75	0.00	1.00
				W21	10.51	10.51	0.00	1.00
	R19	Residential	LKD	W22	31.33	7.87	23.46	0.25
				W23	33.69	6.50	27.19	0.19
	R20	Residential	Bedroom	W24	34.75	6.14	28.61	0.18
	R21	Residential	Bedroom	W25	35.57	6.47	29.10	0.18
	R22	Residential	LKD	W26	36.21	7.57	28.64	0.21
	R23	Residential	Bedroom	W27	36.70	9.67	27.03	0.26
				W28	36.45	13.10	23.35	0.36
				W29	38.51	38.51	0.00	1.00
Sixth	R1	Residential	LKD	W1	35.95	35.95	0.00	1.00
				W2	38.34	37.13	1.21	0.97
	R2	Residential	Bedroom	W3	38.93	37.03	1.90	0.95

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	R3	Residential	Bedroom	W4	38.90	36.39	2.51	0.94
	R4	Residential	LKD	W5	37.82	34.11	3.71	0.90
				W6	34.57	6.93	27.64	0.20
	R5	Residential	Bedroom	W7	33.76	7.09	26.67	0.21
	R6	Residential	Bedroom	W8	32.65	7.66	24.99	0.23
	R7	Residential	LKD	W9	31.34	9.88	21.46	0.32
	R8	Residential	Bedroom	W10	29.80	12.65	17.15	0.42
	R9	Residential	Bedroom	W11	28.02	12.43	15.59	0.44
	R10	Residential	LKD	W12	26.05	12.12	13.93	0.47
	R11	Residential	Bedroom	W13	23.94	11.52	12.42	0.48
	R12	Residential	Bedroom	W14	19.87	8.89	10.98	0.45
	R13	Residential	LKD	W15	15.63	6.79	8.84	0.43
	R14	Residential	Bedroom	W16	12.64	6.59	6.05	0.52
	R15	Residential	Bedroom	W17	10.63	6.61	4.02	0.62
	R16	Residential	LKD	W18	12.63	12.45	0.18	0.99
	R17	Residential	Bedroom	W19	13.31	13.19	0.12	0.99
	R18	Residential	Bedroom	W20	13.35	13.35	0.00	1.00
	R19	Residential	LKD	W21	13.17	13.17	0.00	1.00
				W22	32.58	8.93	23.65	0.27
	R20	Residential	Bedroom	W23	34.84	7.38	27.46	0.21
	R21	Residential	Bedroom	W24	35.78	6.80	28.98	0.19
	R22	Residential	LKD	W25	36.49	6.97	29.52	0.19
	R23	Residential	Bedroom	W26	37.03	7.98	29.05	0.22
	R24	Residential	LKD	W27	37.43	10.00	27.43	0.27
				W28	37.08	13.39	23.69	0.36
				W29	38.54	38.54	0.00	1.00
Seventh	R1	Residential	LKD	W1	36.36	36.36	0.00	1.00
				W2	38.64	37.48	1.16	0.97
	R2	Residential	Bedroom	W3	39.25	37.41	1.84	0.95
	R3	Residential	Bedroom	W4	39.24	36.79	2.45	0.94
	R4	Residential	LKD	W5	38.17	34.52	3.65	0.90
				W6	35.30	7.62	27.68	0.22

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	R5	Residential	Bedroom	W7	34.65	7.99	26.66	0.23
	R6	Residential	Bedroom	W8	33.64	8.79	24.85	0.26
	R7	Residential	LKD	W9	32.42	11.14	21.28	0.34
	R8	Residential	Bedroom	W10	30.95	13.97	16.98	0.45
	R9	Residential	Bedroom	W11	29.21	13.85	15.36	0.47
	R10	Residential	LKD	W12	27.26	13.59	13.67	0.50
	R11	Residential	Bedroom	W13	25.12	13.01	12.11	0.52
	R12	Residential	Bedroom	W14	21.18	10.53	10.65	0.50
	R13	Residential	LKD	W15	17.10	8.56	8.54	0.50
	R14	Residential	Bedroom	W16	14.20	8.35	5.85	0.59
	R15	Residential	Bedroom	W17	12.21	8.32	3.89	0.68
	R16	Residential	LKD	W18	15.99	15.81	0.18	0.99
	R17	Residential	Bedroom	W19	16.78	16.66	0.12	0.99
	R18	Residential	Bedroom	W20	16.90	16.90	0.00	1.00
	R19	Residential	LKD	W21	16.77	16.77	0.00	1.00
				W22	33.87	10.16	23.71	0.30
	R20	Residential	Bedroom	W23	35.96	8.43	27.53	0.23
	R21	Residential	Bedroom	W24	36.74	7.57	29.17	0.21
	R22	Residential	LKD	W25	37.32	7.57	29.75	0.20
	R23	Residential	Bedroom	W26	37.75	8.46	29.29	0.22
	R24	Residential	LKD	W27	38.06	10.41	27.65	0.27
				W28	37.62	13.73	23.89	0.36
				W29	38.55	38.55	0.00	1.00
Eighth	R1	Residential	LKD	W1	36.66	36.66	0.00	1.00
				W2	38.78	37.68	1.10	0.97
	R2	Residential	Bedroom	W3	39.40	37.63	1.77	0.96
	R3	Residential	Bedroom	W4	39.39	37.02	2.37	0.94
	R4	Residential	LKD	W5	38.33	34.75	3.58	0.91
				W6	36.02	8.41	27.61	0.23
	R5	Residential	Bedroom	W7	35.60	9.05	26.55	0.25
	R6	Residential	Bedroom	W8	34.73	10.12	24.61	0.29

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	R7	Residential	LKD	W9	33.65	12.66	20.99	0.38
	R8	Residential	Bedroom	W10	32.31	15.59	16.72	0.48
	R9	Residential	Bedroom	W11	30.68	15.63	15.05	0.51
	R10	Residential	LKD	W12	28.78	15.47	13.31	0.54
	R11	Residential	Bedroom	W13	26.67	14.95	11.72	0.56
	R12	Residential	Bedroom	W14	22.97	12.73	10.24	0.55
	R13	Residential	LKD	W15	19.19	11.01	8.18	0.57
	R14	Residential	Bedroom	W16	16.51	10.92	5.59	0.66
	R15	Residential	Bedroom	W17	14.62	10.87	3.75	0.74
	R16	Residential	LKD	W18	20.64	20.47	0.17	0.99
	R17	Residential	Bedroom	W19	21.44	21.33	0.11	0.99
	R18	Residential	Bedroom	W20	21.61	21.61	0.00	1.00
	R19	Residential	LKD	W21	21.50	21.50	0.00	1.00
				W22	35.13	11.60	23.53	0.33
	R20	Residential	Bedroom	W23	36.99	9.63	27.36	0.26
	R21	Residential	Bedroom	W24	37.58	8.47	29.11	0.23
	R22	Residential	LKD	W25	38.00	8.28	29.72	0.22
	R23	Residential	Bedroom	W26	38.32	9.05	29.27	0.24
	R24	Residential	LKD	W27	38.54	10.90	27.64	0.28
				W28	38.00	14.16	23.84	0.37
				W29	38.55	38.55	0.00	1.00
Ninth	R1	Residential	LKD	W1	37.08	37.08	0.00	1.00
				W2	39.14	38.11	1.03	0.97
	R2	Residential	Bedroom	W3	39.52	37.84	1.68	0.96
	R3	Residential	Bedroom	W4	39.52	37.25	2.27	0.94
	R4	Residential	LKD	W5	38.65	35.14	3.51	0.91
				W6	36.98	9.61	27.37	0.26
	R5	Residential	Bedroom	W7	36.51	10.23	26.28	0.28
	R6	Residential	Bedroom	W8	35.87	11.64	24.23	0.32
	R7	Residential	LKD	W9	35.01	14.42	20.59	0.41
	R8	Residential	Bedroom	W10	33.88	17.53	16.35	0.52
	R9	Residential	Bedroom	W11	32.45	17.84	14.61	0.55

Project Name: Rochdale Road P2 REV01
Project No.: 2257
Report Title: Daylight & Sunlight - Neighbour Analysis



Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	VSC Existing	VSC Proposed	VSC Lost	Pr/Ex
	R10	Residential	LKD	W12	30.72	17.90	12.82	0.58
	R11	Residential	Bedroom	W13	28.73	17.53	11.20	0.61
	R12	Residential	Bedroom	W14	25.42	15.72	9.70	0.62
	R13	Residential	LKD	W15	22.07	14.35	7.72	0.65
	R14	Residential	Bedroom	W16	19.64	14.35	5.29	0.73
	R15	Residential	Bedroom	W17	17.90	14.27	3.63	0.80
	R16	Residential	LKD	W18	26.71	26.54	0.17	0.99
	R17	Residential	Bedroom	W19	27.27	27.16	0.11	1.00
	R18	Residential	Bedroom	W20	27.36	27.36	0.00	1.00
	R19	Residential	LKD	W21	27.25	27.25	0.00	1.00
				W22	36.42	13.20	23.22	0.36
	R20	Residential	Bedroom	W23	38.02	10.97	27.05	0.29
	R21	Residential	Bedroom	W24	38.39	9.51	28.88	0.25
	R22	Residential	LKD	W25	38.65	9.12	29.53	0.24
	R23	Residential	Bedroom	W26	38.85	9.76	29.09	0.25
	R24	Residential	LKD	W27	38.99	11.51	27.48	0.30
				W28	38.34	14.66	23.68	0.38
				W29	38.54	38.54	0.00	1.00
Tenth	R1	Residential	Bedroom	W1	39.58	37.95	1.63	0.96
	R2	Residential	LKD	W2	39.58	37.28	2.30	0.94
				W3	39.58	36.51	3.07	0.92
	R3	Residential	Bedroom	W4	39.58	34.97	4.61	0.88
	R4	Residential	Bedroom	W5	37.13	15.60	21.53	0.42
	R5	Residential	LKD	W6	36.62	18.29	18.33	0.50
				W7	35.99	21.17	14.82	0.59
	R6	Residential	Bedroom	W8	35.09	21.91	13.18	0.62
	R7	Residential	Bedroom	W9	33.95	22.40	11.55	0.66
	R8	Residential	LKD	W10	32.63	22.62	10.01	0.69
				W11	30.63	22.01	8.62	0.72
	R9	Residential	LKD	W12	28.55	21.33	7.22	0.75
				W13	26.89	21.49	5.40	0.80
	R10	Residential	Bedroom	W14	24.91	21.79	3.12	0.87

Project Name: Rochdale Road P2 REV01
 Project No.: 2257
 Report Title: Daylight & Sunlight - Neighbour Analysis

Proximity

Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	VSC Existing	VSC Proposed	VSC Lost	Pr/Ex
	R11	Residential	LKD	W15	33.09	32.91	0.18	0.99
	R12	Residential	Bedroom	W16	33.33	33.22	0.11	1.00
	R13	Residential	Bedroom	W17	33.18	33.18	0.00	1.00
	R14	Residential	LKD	W18	33.06	33.06	0.00	1.00
				W19	37.64	14.97	22.67	0.40
	R15	Residential	Bedroom	W20	38.94	12.47	26.47	0.32
	R16	Residential	Bedroom	W21	39.10	10.72	28.38	0.27
	R17	Residential	LKD	W22	39.21	10.16	29.05	0.26
	R18	Residential	Bedroom	W23	39.30	10.67	28.63	0.27
	R19	Residential	LKD	W24	39.35	12.32	27.03	0.31
				W25	38.63	15.36	23.27	0.40
				W26	38.55	38.55	0.00	1.00
Eleventh	R1	Residential	LKD	W1	38.17	37.98	0.19	1.00
	R2	Residential	Bedroom	W2	38.08	37.93	0.15	1.00
	R3	Residential	Bedroom	W3	37.70	37.70	0.00	1.00
	R4	Residential	LKD	W4	37.80	37.80	0.00	1.00
				W5	38.74	16.89	21.85	0.44
	R5	Residential	Bedroom	W6	39.59	14.03	25.56	0.35
	R6	Residential	Bedroom	W7	39.59	12.16	27.43	0.31
	R7	Residential	LKD	W8	39.59	11.46	28.13	0.29
	R8	Residential	Bedroom	W9	39.59	11.86	27.73	0.30
	R9	Residential	LKD	W10	39.59	13.39	26.20	0.34
				W11	39.04	16.53	22.51	0.42
				W12	38.76	38.76	0.00	1.00
Twelfth	R1	Residential	LKD	W1	38.84	38.01	0.83	0.98
				W2	39.61	23.47	16.14	0.59
	R2	Residential	Bedroom	W3	39.61	20.71	18.90	0.52
	R3	Residential	Bedroom	W4	39.61	19.86	19.75	0.50
	R4	Residential	LKD	W5	39.61	20.36	19.25	0.51
				W6	39.62	39.55	0.07	1.00

Floor Ref.	Room Ref.	Room Use.	Room Area m2	Room Area ft2	Lit Area m2 Existing	Lit Area ft2 Existing	Existing % lit	Lit Area m2 Proposed	Lit Area ft2 Proposed	Proposed % lit	Area Lost m2	Area Lost ft2	Pr/Ex
The Citadel Ludgate Hill													
Ground	R1	Unknown	23.35	251.33	23.09	248.58	0.99	22.68	244.16	0.97	0.41	4.42	0.98
	R2	Unknown	12.54	134.95	8.40	90.45	0.67	8.07	86.89	0.64	0.33	3.56	0.96
	R3	Unknown	14.53	156.38	4.37	47.00	0.30	4.08	43.92	0.28	0.29	3.08	0.93
	R4	Unknown	36.14	389.02	4.60	49.51	0.13	4.60	49.47	0.13	0.00	0.03	1.00
	R5	Unknown	15.83	170.34	2.58	27.73	0.16	2.48	26.75	0.16	0.09	0.98	0.96
	R6	Unknown	27.14	292.12	3.55	38.20	0.13	3.44	37.04	0.13	0.11	1.16	0.97
	R7	Unknown	12.84	138.20	2.32	24.96	0.18	1.96	21.05	0.15	0.36	3.90	0.84
	R8	Unknown	12.12	130.49	1.77	19.08	0.15	1.73	18.59	0.14	0.05	0.49	0.97
	R9	Unknown	32.93	354.49	3.40	36.55	0.10	2.53	27.21	0.08	0.87	9.35	0.74
	R10	Unknown	30.01	323.05	2.26	24.28	0.08	1.87	20.11	0.06	0.39	4.17	0.83
	R11	Unknown	12.23	131.66	0.01	0.10	0.00	0.01	0.10	0.00	0.00	0.00	1.00
	R12	Unknown	16.06	172.86	6.41	68.97	0.40	4.11	44.21	0.26	2.30	24.76	0.64
	R13	Unknown	13.50	145.28	1.99	21.44	0.15	1.99	21.43	0.15	0.00	0.01	1.00
	R14	Unknown	30.47	328.01	15.28	164.51	0.50	15.28	164.51	0.50	0.00	0.00	1.00
First	R1	Unknown	23.35	251.33	23.09	248.59	0.99	22.82	245.65	0.98	0.27	2.94	0.99
	R2	Unknown	12.54	134.95	8.83	95.07	0.70	8.44	90.84	0.67	0.39	4.23	0.96
	R3	Unknown	14.53	156.38	4.87	52.40	0.34	4.55	48.97	0.31	0.32	3.43	0.93
	R4	Unknown	36.14	389.02	5.23	56.25	0.14	5.10	54.89	0.14	0.13	1.36	0.98
	R5	Unknown	15.83	170.34	3.15	33.92	0.20	3.13	33.65	0.20	0.02	0.26	0.99
	R6	Unknown	27.14	292.12	4.18	44.99	0.15	3.93	42.27	0.14	0.25	2.71	0.94
	R7	Unknown	12.84	138.20	2.76	29.73	0.22	2.37	25.56	0.18	0.39	4.18	0.86
	R8	Unknown	12.12	130.49	2.23	24.01	0.18	2.20	23.67	0.18	0.03	0.35	0.99
	R9	Unknown	32.93	354.49	3.79	40.78	0.12	3.05	32.80	0.09	0.74	7.99	0.80
	R10	Unknown	30.01	323.05	2.65	28.50	0.09	2.37	25.49	0.08	0.28	3.01	0.89
	R11	Unknown	12.23	131.66	0.46	4.94	0.04	0.46	4.94	0.04	0.00	0.00	1.00
	R12	Unknown	16.06	172.86	6.89	74.17	0.43	4.59	49.40	0.29	2.30	24.77	0.67
	R13	Unknown	13.50	145.28	2.48	26.66	0.18	2.48	26.65	0.18	0.00	0.01	1.00
	R14	Unknown	30.47	328.01	16.03	172.53	0.53	16.03	172.53	0.53	0.00	0.00	1.00
Second	R1	Unknown	23.35	251.33	23.10	248.60	0.99	22.85	246.01	0.98	0.24	2.59	0.99
	R2	Unknown	12.54	134.95	9.18	98.78	0.73	8.82	94.90	0.70	0.36	3.88	0.96
	R3	Unknown	14.53	156.38	5.54	59.68	0.38	5.30	57.08	0.37	0.24	2.60	0.96
	R4	Unknown	36.14	389.02	6.06	65.19	0.17	5.70	61.39	0.16	0.35	3.81	0.94
	R5	Unknown	15.83	170.34	3.77	40.60	0.24	3.77	40.58	0.24	0.00	0.02	1.00
	R6	Unknown	27.14	292.12	4.71	50.69	0.17	4.48	48.21	0.17	0.23	2.48	0.95
	R7	Unknown	12.84	138.20	3.31	35.63	0.26	3.08	33.11	0.24	0.23	2.52	0.93
	R8	Unknown	12.12	130.49	2.76	29.69	0.23	2.76	29.67	0.23	0.00	0.02	1.00
	R9	Unknown	32.93	354.49	4.35	46.83	0.13	4.01	43.17	0.12	0.34	3.66	0.92
	R10	Unknown	30.01	323.05	3.48	37.47	0.12	3.35	36.06	0.11	0.13	1.41	0.96
	R11	Unknown	12.23	131.66	1.66	17.83	0.14	1.66	17.83	0.14	0.00	0.00	1.00
	R12	Unknown	16.06	172.86	7.42	79.83	0.46	5.29	56.93	0.33	2.13	22.90	0.71
	R13	Unknown	13.50	145.28	3.23	34.76	0.24	3.23	34.75	0.24	0.00	0.01	1.00
	R14	Unknown	30.47	328.01	16.86	181.44	0.55	16.86	181.43	0.55	0.00	0.01	1.00
Third	R1	Unknown	23.35	251.33	23.10	248.60	0.99	22.96	247.10	0.98	0.14	1.50	0.99
	R2	Unknown	12.54	134.95	9.72	104.67	0.78	9.48	102.05	0.76	0.24	2.62	0.97
	R3	Unknown	14.53	156.38	6.48	69.78	0.45	6.32	68.05	0.44	0.16	1.73	0.98
	R4	Unknown	36.14	389.02	6.73	72.43	0.19	6.51	70.04	0.18	0.22	2.39	0.97
	R5	Unknown	15.83	170.34	4.64	49.97	0.29	4.64	49.96	0.29	0.00	0.01	1.00
	R6	Unknown	27.14	292.12	5.79	62.35	0.21	5.72	61.58	0.21	0.07	0.76	0.99
	R7	Unknown	12.84	138.20	4.53	48.77	0.35	4.47	48.13	0.35	0.06	0.64	0.99
	R8	Unknown	12.12	130.49	3.85	41.42	0.32	3.85	41.41	0.32	0.00	0.01	1.00
	R9	Unknown	32.93	354.49	5.36	57.68	0.16	5.29	56.99	0.16	0.06	0.69	0.99
	R10	Unknown	30.01	323.05	4.73	50.93	0.16	4.67	50.29	0.16	0.06	0.63	0.99
	R11	Unknown	12.23	131.66	3.42	36.78	0.28	3.42	36.78	0.28	0.00	0.00	1.00
	R12	Unknown	16.06	172.86	8.20	88.24	0.51	6.88	74.07	0.43	1.32	14.18	0.84
	R13	Unknown	13.50	145.28	4.16	44.78	0.31	4.16	44.78	0.31	0.00	0.01	1.00
	R14	Unknown	30.47	328.01	18.24	196.35	0.60	18.24	196.34	0.60	0.00	0.01	1.00
Fourth	R1	Unknown	23.35	251.33	23.10	248.60	0.99	23.02	247.80	0.99	0.07	0.80	1.00
	R2	Unknown	12.54	134.95	10.57	113.76	0.84	10.41	112.07	0.83	0.16	1.69	0.99
	R3	Unknown	14.53	156.38	8.07	86.91	0.56	8.00	86.07	0.55	0.08	0.84	0.99
	R4	Unknown	36.14	389.02	8.37	90.06	0.23	8.34	89.73	0.23	0.03	0.33	1.00
	R5	Unknown	15.83	170.34	6.94	74.68	0.44	6.94	74.68	0.44	0.00	0.00	1.00
	R6	Unknown	27.14	292.12	8.58	92.38	0.32	8.58	92.38	0.32	0.00	0.00	1.00
	R7	Unknown	12.84	138.20	6.79	73.08	0.53	6.79	73.03	0.53	0.00	0.05	1.00
	R8	Unknown	12.12	130.49	5.73	61.66	0.47	5.73	61.65	0.47	0.00	0.01	1.00
	R9	Unknown	32.93	354.49	7.74	83.28	0.23	7.74	83.28	0.23	0.00	0.00	1.00
	R10	Unknown	30.01	323.05	7.16	77.08	0.24	7.14	76.85	0.24	0.02	0.23	1.00
	R11	Unknown	12.23	131.66	5.70	61.38	0.47	5.70	61.38	0.47	0.00	0.00	1.00
	R12	Unknown	16.06	172.86	9.58	103.13	0.60	9.23	99.33	0.57	0.35	3.80	0.96
	R13	Unknown	13.50	145.28	6.04	64.99	0.45	6.04	64.98	0.45	0.00	0.01	1.00
	R14	Unknown	30.47	328.01	20.07	216.08	0.66	20.07	216.08	0.66	0.00	0.00	1.00
Fifth	R1	Unknown	23.35	251.33	23.10	248.65	0.99	23.10	248.65	0.99	0.00	0.00	1.00
	R2	Unknown	12.54	134.95	12.03	129.44	0.96	11.95	128.64	0.95	0.07	0.80	0.99
	R3	Unknown	14.53	156.38	11.65	125.40	0.80	11.62	125.08	0.80	0.03	0.31	1.00
	R4	Unknown	36.14	389.02	14.08	151.57	0.39	14.08	151.57	0.39	0.00	0.00	1.00
	R5	Unknown	15.83	170.34	12.03	129.53	0.76	12.03	129.53	0.76	0.00	0.00	1.00
	R6	Unknown	27.14	292.12	14.71	158.39	0.54	14.71	158.39	0.54	0.00	0.00	1.00
	R7	Unknown	12.84	138.20	11.20	120.57	0.87	11.20	120.54	0.87	0.00	0.03	1.00
	R8	Unknown	12.12	130.49	9.93	106.88	0.82	9.93	106.88	0.82	0.00	0.01	1.00
	R9	Unknown	32.93	354.49	13.14	141.49	0.40	13.14	141.49	0.40	0.00	0.00	1.00
	R10	Unknown	30.01	323.05	12.59	135.53	0.42	12.58	135.44	0.42	0.01	0.09	1.00
	R11	Unknown	12.23	131.66	10.84	116.69	0.89	10.84	116.69	0.89	0.00	0.00	1.00
	R12	Unknown	16.06	172.86	13.14	141.43	0.82	13.13	141.37	0.82	0.01	0.06	1.00
	R13	Unknown	13.50	145.28	10.66	114.73	0.79	10.66	114.73	0.79	0.00	0.01	1.00
	R14	Unknown	30.47	328.01	26.02	280.09	0.85	26.02	280.09	0.85	0.00	0.00	1.00
6 Ludgate Hill													
Ground	R4	Bedroom	15.78	169.86	6.30	67.86	0.40	3.43	36.95	0.22	2.87	30.91	0.54

Floor Ref.	Room Ref.	Room Use.	Room Area m2	Room Area ft2	Lit Area m2 Existing	Lit Area ft2 Existing	Existing % lit	Lit Area m2 Proposed	Lit Area ft2 Proposed	Proposed % lit	Area Lost m2	Area Lost ft2	Pr/Ex
	R5	LKD	19.69	211.90	17.38	187.05	0.88	9.14	98.35	0.46	8.24	88.70	0.53
	R6	Bedroom	13.04	140.41	9.88	106.35	0.76	5.46	58.79	0.42	4.42	47.56	0.55
	R7	Bedroom	10.38	111.71	5.45	58.69	0.53	5.05	54.36	0.49	0.40	4.33	0.93
	R8	LKD	18.09	194.73	18.09	194.69	1.00	17.19	185.04	0.95	0.90	9.65	0.95
	R9	LKD	13.02	140.16	10.94	117.77	0.84	6.77	72.91	0.52	4.17	44.86	0.62
	R10	Bedroom	10.47	112.71	5.40	58.15	0.52	5.40	58.15	0.52	0.00	0.00	1.00
	R11	Bedroom	16.76	180.45	16.53	177.88	0.99	16.53	177.88	0.99	0.00	0.00	1.00
	R12	Bedroom	13.78	148.31	10.87	116.99	0.79	7.27	78.25	0.53	3.60	38.73	0.67
	R13	Bedroom	11.17	120.27	3.78	40.66	0.34	3.78	40.66	0.34	0.00	0.00	1.00
	R14	LKD	16.58	178.50	10.19	109.70	0.61	9.83	105.79	0.59	0.36	3.91	0.96
	R15	Bedroom	14.04	151.12	8.46	91.07	0.60	5.44	58.52	0.39	3.02	32.55	0.64
	R16	Bedroom	10.26	110.46	3.93	42.26	0.38	2.99	32.16	0.29	0.94	10.09	0.76
	R17	LKD	18.81	202.48	11.80	127.04	0.63	11.80	127.04	0.63	0.00	0.00	1.00
First	R1	LKD	28.31	304.75	28.31	304.75	1.00	28.31	304.75	1.00	0.00	0.00	1.00
	R5	Bedroom	15.78	169.86	7.61	81.94	0.48	3.78	40.68	0.24	3.83	41.26	0.50
	R6	LKD	19.69	211.90	19.05	205.10	0.97	10.88	117.13	0.55	8.17	87.97	0.57
	R7	Bedroom	13.04	140.41	11.19	120.49	0.86	6.13	65.99	0.47	5.06	54.51	0.55
	R8	Bedroom	10.38	111.71	5.67	61.03	0.55	5.23	56.33	0.50	0.44	4.70	0.92
	R9	LKD	18.09	194.73	18.09	194.69	1.00	17.27	185.84	0.95	0.82	8.85	0.95
	R10	Bedroom	13.02	140.16	11.07	119.11	0.85	6.85	73.69	0.53	4.22	45.41	0.62
	R11	Bedroom	10.47	112.71	6.10	65.61	0.58	6.10	65.61	0.58	0.00	0.00	1.00
	R12	LKD	16.76	180.45	16.63	179.00	0.99	16.63	179.00	0.99	0.00	0.00	1.00
	R13	Bedroom	13.78	148.31	11.10	119.50	0.81	7.42	79.89	0.54	3.68	39.61	0.67
	R14	Bedroom	11.17	120.27	4.94	53.18	0.44	4.94	53.18	0.44	0.00	0.00	1.00
	R15	LKD	16.58	178.50	12.16	130.86	0.73	11.90	128.05	0.72	0.26	2.81	0.98
	R16	Bedroom	14.04	151.12	9.05	97.46	0.64	6.00	64.57	0.43	3.06	32.90	0.66
	R17	Bedroom	10.26	110.46	4.83	51.98	0.47	3.98	42.88	0.39	0.85	9.11	0.82
	R18	LKD	18.81	202.48	12.60	135.59	0.67	12.60	135.59	0.67	0.00	0.00	1.00
Second	R1	LKD	28.31	304.75	28.31	304.75	1.00	28.31	304.75	1.00	0.00	0.00	1.00
	R5	Bedroom	15.78	169.86	8.15	87.73	0.52	4.11	44.25	0.26	4.04	43.48	0.50
	R6	LKD	19.69	211.90	19.56	210.53	0.99	11.90	128.10	0.60	7.66	82.43	0.61
	R7	Bedroom	13.04	140.41	11.36	122.26	0.87	6.23	67.03	0.48	5.13	55.24	0.55
	R8	Bedroom	10.38	111.71	5.91	63.66	0.57	5.41	58.25	0.52	0.50	5.41	0.91
	R9	LKD	18.09	194.73	18.09	194.69	1.00	17.32	186.41	0.96	0.77	8.28	0.96
	R10	Bedroom	13.02	140.16	11.26	121.23	0.86	6.91	74.42	0.53	4.35	46.81	0.61
	R11	Bedroom	10.47	112.71	7.26	78.14	0.69	7.26	78.14	0.69	0.00	0.00	1.00
	R12	LKD	16.76	180.45	16.76	180.45	1.00	16.76	180.45	1.00	0.00	0.00	1.00
	R13	Bedroom	13.78	148.31	11.40	122.70	0.83	7.63	82.12	0.55	3.77	40.59	0.67
	R14	Bedroom	11.17	120.27	7.36	79.20	0.66	7.36	79.20	0.66	0.00	0.00	1.00
	R15	LKD	16.58	178.50	14.64	157.61	0.88	14.55	156.57	0.88	0.10	1.04	0.99
	R16	Bedroom	14.04	151.12	9.75	104.96	0.69	6.62	71.21	0.47	3.14	33.75	0.68
	R17	Bedroom	10.26	110.46	6.23	67.06	0.61	5.39	58.06	0.53	0.84	9.00	0.87
	R18	LKD	18.81	202.48	14.15	152.29	0.75	14.15	152.29	0.75	0.00	0.00	1.00
Third	R1	LKD	28.31	304.75	28.31	304.75	1.00	28.31	304.75	1.00	0.00	0.00	1.00
	R5	Bedroom	15.78	169.86	8.71	93.73	0.55	4.47	48.06	0.28	4.24	45.67	0.51
	R6	LKD	19.69	211.90	19.58	210.77	0.99	12.83	138.06	0.65	6.75	72.70	0.66
	R7	Bedroom	13.04	140.41	11.55	124.29	0.89	6.26	67.37	0.48	5.29	56.92	0.54
	R8	Bedroom	10.38	111.71	6.35	68.40	0.61	5.76	62.04	0.56	0.59	6.36	0.91
	R9	LKD	18.09	194.73	18.09	194.69	1.00	17.41	187.42	0.96	0.68	7.28	0.96
	R10	Bedroom	13.02	140.16	11.48	123.59	0.88	7.01	75.44	0.54	4.47	48.15	0.61
	R11	Bedroom	10.47	112.71	7.51	80.81	0.72	7.51	80.81	0.72	0.00	0.00	1.00
	R12	LKD	16.76	180.45	16.76	180.45	1.00	16.76	180.45	1.00	0.00	0.00	1.00
	R13	Bedroom	13.78	148.31	11.78	126.85	0.86	7.86	84.58	0.57	3.93	42.27	0.67
	R14	Bedroom	11.17	120.27	7.94	85.45	0.71	7.94	85.45	0.71	0.00	0.00	1.00
	R15	LKD	16.58	178.50	15.14	162.92	0.91	15.09	162.43	0.91	0.05	0.49	1.00
	R16	Bedroom	14.04	151.12	10.48	112.81	0.75	7.23	77.84	0.52	3.25	34.97	0.69
	R17	Bedroom	10.26	110.46	6.71	72.23	0.65	5.89	63.43	0.57	0.82	8.80	0.88
	R18	LKD	18.81	202.48	16.35	175.94	0.87	16.35	175.94	0.87	0.00	0.00	1.00
Fourth	R1	LKD	28.31	304.75	28.31	304.75	1.00	28.31	304.75	1.00	0.00	0.00	1.00
	R5	Bedroom	15.78	169.86	9.63	103.65	0.61	4.86	52.34	0.31	4.77	51.31	0.50
	R6	LKD	19.69	211.90	19.58	210.77	0.99	13.97	150.38	0.71	5.61	60.39	0.71
	R7	Bedroom	13.04	140.41	11.88	127.92	0.91	6.26	67.42	0.48	5.62	60.50	0.53
	R8	Bedroom	10.38	111.71	6.93	74.61	0.67	6.23	67.02	0.60	0.71	7.59	0.90
	R9	LKD	18.09	194.73	18.09	194.69	1.00	17.51	188.49	0.97	0.58	6.20	0.97
	R10	Bedroom	13.02	140.16	11.81	127.17	0.91	7.06	76.03	0.54	4.75	51.13	0.60
	R11	Bedroom	10.47	112.71	7.80	83.97	0.74	7.80	83.97	0.74	0.00	0.00	1.00
	R12	LKD	16.76	180.45	16.76	180.45	1.00	16.76	180.45	1.00	0.00	0.00	1.00
	R13	Bedroom	13.78	148.31	12.25	131.91	0.89	8.04	86.56	0.58	4.21	45.35	0.66
	R14	Bedroom	11.17	120.27	8.18	88.00	0.73	8.18	88.00	0.73	0.00	0.00	1.00
	R15	LKD	16.58	178.50	15.61	168.03	0.94	15.61	168.03	0.94	0.00	0.00	1.00
	R16	Bedroom	14.04	151.12	11.42	122.95	0.81	7.99	86.00	0.57	3.43	36.96	0.70
	R17	Bedroom	10.26	110.46	7.04	75.83	0.69	6.30	67.76	0.61	0.75	8.06	0.89
	R18	LKD	18.81	202.48	18.63	200.50	0.99	18.63	200.50	0.99	0.00	0.00	1.00
Fifth	R1	LKD	28.31	304.75	28.31	304.75	1.00	28.31	304.75	1.00	0.00	0.00	1.00
	R5	Bedroom	13.79	148.45	13.76	148.09	1.00	12.22	131.56	0.89	1.54	16.53	0.89
	R6	Bedroom	9.16	98.55	9.05	97.42	0.99	8.45	90.94	0.92	0.60	6.48	0.93
	R7	LKD	25.94	279.19	25.19	271.16	0.97	19.09	205.44	0.74	6.10	65.71	0.76
	R8	LKD	26.71	287.56	26.41	284.31	0.99	22.38	240.92	0.84	4.03	43.39	0.85
	R9	Bedroom	9.02	97.14	8.93	96.08	0.99	8.43	90.77	0.93	0.49	5.32	0.94
	R10	Bedroom	12.21	131.43	12.19	131.26	1.00	11.89	127.96	0.97	0.31	3.30	0.97
	R11	Bedroom	12.43	133.82	12.41	133.60	1.00	12.31	132.48	0.99	0.10	1.11	0.99
	R12	Bedroom	9.10	97.95	9.00	96.93	0.99	8.58	92.35	0.94	0.43	4.58	0.95
	R13	LKD	25.60	275.61	24.45	263.21	0.96	24.23	260.84	0.95	0.22	2.37	0.99
	R14	Bedroom	15.08	162.36	15.06	162.14	1.00	15.06	162.14	1.00	0.00	0.00	1.00
	R15	Bedroom	8.86	95.41	8.74	94.08	0.99	8.74	94.08	0.99	0.00	0.00	1.00
	R16	LKD	30.24	325.48	29.63	318.92	0.98	29.63	318.92	0.98	0.00	0.00	1.00

Project Name: Rochdale Road P2 REV01
Project No.: 2257
Report Title: Daylight Distribution - Neighbour Analysis



Floor Ref.	Room Ref.	Room Use.	Room Area m2	Room Area ft2	Lit Area m2 Existing	Lit Area ft2 Existing	Existing % lit	Lit Area m2 Proposed	Lit Area ft2 Proposed	Proposed % lit	Area Lost m2	Area Lost ft2	Pr/Ex
Ground	R1	LKD	39.15	421.36	36.80	396.16	0.94	35.12	378.04	0.90	1.68	18.12	0.95
First	R1	Bedroom	18.19	195.85	18.08	194.65	0.99	18.08	194.65	0.99	0.00	0.00	1.00
	R2	Bedroom	10.56	113.66	8.21	88.33	0.78	8.20	88.28	0.78	0.00	0.05	1.00
	R3	Bedroom	11.47	123.50	11.47	123.50	1.00	11.47	123.50	1.00	0.00	0.00	1.00
Second	R1	LKD	49.77	535.69	49.52	533.06	1.00	49.52	533.06	1.00	0.00	0.00	1.00
Third	R1	Bedroom	16.61	178.76	16.47	177.33	0.99	16.47	177.33	0.99	0.00	0.00	1.00
	R2	Bedroom	10.64	114.52	9.03	97.22	0.85	9.03	97.21	0.85	0.00	0.02	1.00
	R3	Bedroom	17.68	190.27	17.06	183.66	0.97	17.06	183.66	0.97	0.00	0.00	1.00
Phase 1 Coach House													
First	R1	LKD	35.14	378.29	20.62	221.94	0.59	19.85	213.63	0.56	0.77	8.31	0.96
	R2	LKD	36.30	390.75	34.98	376.52	0.96	34.98	376.52	0.96	0.00	0.00	1.00
	R3	LKD	36.62	394.21	36.35	391.32	0.99	36.35	391.32	0.99	0.00	0.00	1.00
Second	R1	Bedroom	11.77	126.73	4.59	49.36	0.39	4.59	49.36	0.39	0.00	0.00	1.00
	R2	Bedroom	11.86	127.66	9.87	106.20	0.83	7.12	76.63	0.60	2.75	29.57	0.72
	R3	Bedroom	7.64	82.21	3.42	36.79	0.45	3.34	35.91	0.44	0.08	0.88	0.98
	R4	Bedroom	11.15	120.05	5.36	57.70	0.48	4.66	50.16	0.42	0.70	7.54	0.87
	R5	Bedroom	11.34	122.10	4.61	49.57	0.41	4.61	49.57	0.41	0.00	0.00	1.00
Third	R1	Bedroom	12.09	130.13	5.27	56.68	0.44	5.27	56.68	0.44	0.00	0.00	1.00
	R2	Bedroom	8.62	92.82	7.48	80.47	0.87	6.92	74.45	0.80	0.56	6.03	0.93
	R3	Bedroom	7.10	76.43	3.16	34.01	0.44	3.06	32.89	0.43	0.10	1.12	0.97
	R4	Bedroom	10.35	111.37	7.52	80.96	0.73	7.52	80.96	0.73	0.00	0.00	1.00
	R5	Bedroom	6.23	67.08	4.04	43.53	0.65	4.04	43.53	0.65	0.00	0.00	1.00
	R6	Bedroom	8.17	87.90	7.43	79.96	0.91	7.43	79.96	0.91	0.00	0.00	1.00
Fourth	R1	LKD	34.12	367.26	30.29	326.07	0.89	21.38	230.10	0.63	8.92	95.97	0.71
	R2	LKD	31.51	339.16	30.67	330.18	0.97	30.25	325.60	0.96	0.43	4.58	0.99
	R3	LKD	33.17	357.09	32.98	354.99	0.99	32.97	354.90	0.99	0.01	0.09	1.00
Phase 1 Tower													
Ground	R1	LKD	25.74	277.06	8.27	89.03	0.32	8.27	89.03	0.32	0.00	0.00	1.00
	R2	Bedroom	13.36	143.81	9.20	99.01	0.69	9.12	98.12	0.68	0.08	0.89	0.99
	R3	Bedroom	13.21	142.23	8.18	88.09	0.62	8.14	87.65	0.62	0.04	0.44	0.99
	R4	LKD	46.11	496.30	43.79	471.41	0.95	14.56	156.67	0.32	29.24	314.73	0.33
	R5	LKD	22.53	242.52	18.17	195.57	0.81	1.83	19.73	0.08	16.34	175.84	0.10
	R6	Bedroom	13.25	142.61	12.42	133.73	0.94	6.49	69.82	0.49	5.94	63.90	0.52
	R7	Bedroom	12.13	130.54	11.79	126.96	0.97	8.04	86.49	0.66	3.76	40.47	0.68
	R8	LKD	38.15	410.61	35.37	380.71	0.93	29.41	316.53	0.77	5.96	64.18	0.83
First	R1	LKD	24.75	266.42	23.05	248.09	0.93	23.04	248.05	0.93	0.00	0.04	1.00
	R2	Bedroom	12.48	134.38	12.22	131.53	0.98	12.05	129.69	0.97	0.17	1.84	0.99
	R3	Bedroom	12.48	134.38	11.87	127.82	0.95	11.84	127.39	0.95	0.04	0.43	1.00
	R4	LKD	24.87	267.70	24.79	266.88	1.00	23.41	252.00	0.94	1.38	14.88	0.94
	R5	Bedroom	11.90	128.13	11.43	122.98	0.96	1.44	15.51	0.12	9.98	107.47	0.13
	R6	Bedroom	14.01	150.85	13.63	146.67	0.97	1.84	19.76	0.13	11.79	126.90	0.13
	R7	LKD	23.92	257.50	22.41	241.21	0.94	10.61	114.24	0.44	11.80	126.97	0.47
	R8	Bedroom	13.55	145.81	12.73	137.01	0.94	9.74	104.83	0.72	2.99	32.18	0.77
	R9	Bedroom	13.31	143.28	12.27	132.12	0.92	10.82	116.52	0.81	1.45	15.60	0.88
	R10	LKD	24.94	268.41	19.60	210.93	0.79	17.89	192.59	0.72	1.70	18.35	0.91
	R11	Bedroom	14.01	150.85	11.55	124.34	0.82	10.75	115.73	0.77	0.80	8.61	0.93
	R12	Bedroom	14.01	150.85	8.61	92.69	0.61	8.18	88.04	0.58	0.43	4.65	0.95
	R13	LKD	24.84	267.34	5.79	62.37	0.23	0.86	9.23	0.03	4.94	53.14	0.15
	R14	Bedroom	13.24	142.53	2.58	27.82	0.20	0.50	5.33	0.04	2.09	22.49	0.19
	R15	Bedroom	13.15	141.51	3.28	35.28	0.25	0.53	5.69	0.04	2.75	29.60	0.16
	R16	LKD	24.96	268.67	1.02	10.97	0.04	1.02	10.97	0.04	0.00	0.00	1.00
	R17	Bedroom	12.82	138.03	0.96	10.32	0.07	0.96	10.32	0.07	0.00	0.00	1.00
	R18	Bedroom	14.34	154.34	1.37	14.70	0.10	1.37	14.70	0.10	0.00	0.00	1.00
	R19	LKD	25.57	275.21	22.77	245.13	0.89	9.66	103.97	0.38	13.11	141.16	0.42
	R20	Bedroom	14.30	153.93	13.14	141.45	0.92	2.14	23.05	0.15	11.00	118.39	0.16
	R21	Bedroom	15.05	161.97	14.56	156.73	0.97	1.32	14.26	0.09	13.24	142.47	0.09
	R22	LKD	22.50	242.17	21.16	227.77	0.94	1.42	15.31	0.06	19.74	212.45	0.07
	R23	Bedroom	10.96	117.93	10.53	113.32	0.96	1.28	13.80	0.12	9.25	99.52	0.12
	R24	LKD	25.71	276.73	25.60	275.56	1.00	24.87	267.65	0.97	0.73	7.91	0.97
Second	R1	LKD	24.75	266.42	24.54	264.12	0.99	24.53	264.08	0.99	0.00	0.04	1.00
	R2	Bedroom	12.48	134.38	12.22	131.54	0.98	12.05	129.73	0.97	0.17	1.81	0.99
	R3	Bedroom	12.48	134.38	12.13	130.55	0.97	12.09	130.12	0.97	0.04	0.43	1.00
	R4	LKD	24.87	267.70	24.81	267.00	1.00	24.26	261.09	0.98	0.55	5.92	0.98
	R5	Bedroom	11.90	128.13	11.49	123.71	0.97	1.64	17.64	0.14	9.85	106.06	0.14
	R6	Bedroom	14.01	150.85	13.69	147.35	0.98	2.12	22.78	0.15	11.57	124.57	0.15
	R7	LKD	23.92	257.50	22.46	241.72	0.94	10.66	114.77	0.45	11.79	126.95	0.47
	R8	Bedroom	13.55	145.81	12.75	137.28	0.94	9.77	105.18	0.72	2.98	32.10	0.77
	R9	Bedroom	13.31	143.28	12.30	132.37	0.92	10.85	116.78	0.82	1.45	15.59	0.88
	R10	LKD	24.94	268.41	19.63	211.35	0.79	17.93	193.02	0.72	1.70	18.33	0.91
	R11	Bedroom	14.01	150.85	11.56	124.41	0.82	10.76	115.84	0.77	0.80	8.57	0.93
	R12	Bedroom	14.01	150.85	8.61	92.70	0.61	8.19	88.13	0.58	0.42	4.57	0.95
	R13	LKD	24.84	267.34	5.91	63.66	0.24	0.98	10.58	0.04	4.93	53.09	0.17
	R14	Bedroom	13.24	142.53	2.61	28.05	0.20	0.59	6.37	0.04	2.01	21.67	0.23
	R15	Bedroom	13.15	141.51	3.30	35.52	0.25	0.59	6.30	0.04	2.71	29.22	0.18
	R16	LKD	24.96	268.67	1.17	12.57	0.05	1.17	12.57	0.05	0.00	0.00	1.00
	R17	Bedroom	12.82	138.03	1.15	12.33	0.09	1.15	12.33	0.09	0.00	0.00	1.00
	R18	Bedroom	14.34	154.34	1.51	16.30	0.11	1.51	16.30	0.11	0.00	0.00	1.00
	R19	LKD	25.57	275.21	22.85	245.95	0.89	9.84	105.92	0.38	13.01	140.03	0.43
	R20	Bedroom	14.30	153.93	13.22	142.31	0.92	2.41	25.89	0.17	10.82	116.41	0.18
	R21	Bedroom	15.05	161.97	14.65	157.70	0.97	1.56	16.75	0.10	13.09	140.95	0.11
	R22	LKD	22.50	242.17	21.34	229.73	0.95	1.61	17.30	0.07	19.74	212.43	0.08
	R23	Bedroom	10.96	117.93	10.64	114.49	0.97	1.42	15.29	0.13	9.22	99.20	0.13
	R24	LKD	25.71	276.73	25.61	275.65	1.00	24.93	268.29	0.97	0.68	7.35	0.97
Third	R1	LKD	24.75	266.42	24.73	266.24	1.00	24.73	266.20	1.00	0.00	0.04	1.00
	R2	Bedroom	12.48	134.38	12.22	131.55	0.98	12.05	129.73	0.97	0.17	1.81	0.99
	R3	Bedroom	12.48	134.38	12.13	130.57	0.97	12.09	130.14	0.97	0.04	0.43	1.00
	R4	LKD	24.87	267.70	24.84	267.41	1.00	24.34	262.00	0.98	0.50	5.41	0.98

Project Name: Rochdale Road P2 REV01
Project No.: 2257
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Floor Ref.	Room Ref.	Room Use.	Room Area m2	Room Area ft2	Lit Area m2 Existing	Lit Area ft2 Existing	Existing % lit	Lit Area m2 Proposed	Lit Area ft2 Proposed	Proposed % lit	Area Lost m2	Area Lost ft2	Pr/Ex
	R5	Bedroom	11.90	128.13	11.59	124.76	0.97	1.90	20.49	0.16	9.69	104.27	0.16
	R6	Bedroom	14.01	150.85	13.76	148.16	0.98	2.40	25.80	0.17	11.37	122.36	0.17
	R7	LKD	23.92	257.50	22.54	242.64	0.94	10.75	115.69	0.45	11.79	126.96	0.48
	R8	Bedroom	13.55	145.81	12.79	137.66	0.94	9.81	105.57	0.72	2.98	32.09	0.77
	R9	Bedroom	13.31	143.28	12.34	132.78	0.93	10.89	117.20	0.82	1.45	15.58	0.88
	R10	LKD	24.94	268.41	19.67	211.72	0.79	17.98	193.48	0.72	1.69	18.24	0.91
	R11	Bedroom	14.01	150.85	11.57	124.54	0.83	10.78	116.03	0.77	0.79	8.51	0.93
	R12	Bedroom	14.01	150.85	8.65	93.05	0.62	8.23	88.56	0.59	0.42	4.49	0.95
	R13	LKD	24.84	267.34	5.95	64.00	0.24	1.12	12.06	0.05	4.83	51.94	0.19
	R14	Bedroom	13.24	142.53	2.63	28.28	0.20	0.68	7.34	0.05	1.95	20.94	0.26
	R15	Bedroom	13.15	141.51	3.33	35.88	0.25	0.66	7.13	0.05	2.67	28.76	0.20
	R16	LKD	24.96	268.67	1.36	14.62	0.05	1.36	14.62	0.05	0.00	0.00	1.00
	R17	Bedroom	12.82	138.03	1.39	14.95	0.11	1.39	14.95	0.11	0.00	0.00	1.00
	R18	Bedroom	14.34	154.34	1.70	18.32	0.12	1.70	18.32	0.12	0.00	0.00	1.00
	R19	LKD	25.57	275.21	22.96	247.13	0.90	10.14	109.16	0.40	12.82	137.97	0.44
	R20	Bedroom	14.30	153.93	13.36	143.76	0.93	2.86	30.74	0.20	10.50	113.03	0.21
	R21	Bedroom	15.05	161.97	14.73	158.60	0.98	1.81	19.53	0.12	12.92	139.07	0.12
	R22	LKD	22.50	242.17	21.51	231.52	0.96	1.83	19.69	0.08	19.68	211.84	0.09
	R23	Bedroom	10.96	117.93	10.74	115.58	0.98	1.61	17.32	0.15	9.13	98.26	0.15
	R24	LKD	25.71	276.73	25.61	275.69	1.00	24.96	268.62	0.97	0.66	7.07	0.97
Fourth	R1	LKD	24.75	266.42	24.73	266.24	1.00	24.73	266.20	1.00	0.00	0.04	1.00
	R2	Bedroom	12.48	134.38	12.22	131.55	0.98	12.05	129.74	0.97	0.17	1.81	0.99
	R3	Bedroom	12.48	134.38	12.13	130.58	0.97	12.09	130.15	0.97	0.04	0.43	1.00
	R4	LKD	24.87	267.70	24.85	267.46	1.00	24.42	262.84	0.98	0.43	4.62	0.98
	R5	Bedroom	11.90	128.13	11.67	125.58	0.98	2.18	23.47	0.18	9.49	102.10	0.19
	R6	Bedroom	14.01	150.85	13.87	149.29	0.99	2.81	30.22	0.20	11.06	119.06	0.20
	R7	LKD	23.92	257.50	22.65	243.79	0.95	10.85	116.84	0.45	11.79	126.95	0.48
	R8	Bedroom	13.55	145.81	12.92	139.07	0.95	9.94	106.98	0.73	2.98	32.09	0.77
	R9	Bedroom	13.31	143.28	12.42	133.72	0.93	10.98	118.14	0.82	1.45	15.58	0.88
	R10	LKD	24.94	268.41	19.73	212.34	0.79	18.04	194.14	0.72	1.69	18.20	0.91
	R11	Bedroom	14.01	150.85	11.61	124.95	0.83	10.83	116.57	0.77	0.78	8.38	0.93
	R12	Bedroom	14.01	150.85	8.69	93.51	0.62	8.28	89.16	0.59	0.40	4.36	0.95
	R13	LKD	24.84	267.34	6.00	64.57	0.24	1.30	13.99	0.05	4.70	50.58	0.22
	R14	Bedroom	13.24	142.53	2.69	28.96	0.20	0.81	8.75	0.06	1.88	20.21	0.30
	R15	Bedroom	13.15	141.51	3.38	36.35	0.26	0.77	8.27	0.06	2.61	28.07	0.23
	R16	LKD	24.96	268.67	1.65	17.76	0.07	1.65	17.76	0.07	0.00	0.00	1.00
	R17	Bedroom	12.82	138.03	1.77	19.09	0.14	1.77	19.09	0.14	0.00	0.00	1.00
	R18	Bedroom	14.34	154.34	2.10	22.61	0.15	2.10	22.61	0.15	0.00	0.00	1.00
	R19	LKD	25.57	275.21	23.14	249.06	0.90	10.64	114.55	0.42	12.50	134.52	0.46
	R20	Bedroom	14.30	153.93	13.56	145.99	0.95	3.45	37.13	0.24	10.11	108.86	0.25
	R21	Bedroom	15.05	161.97	14.82	159.47	0.98	2.14	23.00	0.14	12.68	136.46	0.14
	R22	LKD	22.50	242.17	21.66	233.19	0.96	2.19	23.55	0.10	19.48	209.65	0.10
	R23	Bedroom	10.96	117.93	10.81	116.31	0.99	1.84	19.78	0.17	8.97	96.52	0.17
	R24	LKD	25.71	276.73	25.61	275.70	1.00	24.96	268.71	0.97	0.65	7.00	0.97
Fifth	R1	LKD	24.75	266.42	24.74	266.26	1.00	24.73	266.23	1.00	0.00	0.04	1.00
	R2	Bedroom	12.48	134.38	12.22	131.55	0.98	12.05	129.74	0.97	0.17	1.81	0.99
	R3	Bedroom	12.48	134.38	12.13	130.58	0.97	12.09	130.16	0.97	0.04	0.43	1.00
	R4	LKD	24.87	267.70	24.86	267.58	1.00	24.53	264.08	0.99	0.33	3.50	0.99
	R5	Bedroom	11.90	128.13	11.75	126.50	0.99	2.51	26.99	0.21	9.24	99.51	0.21
	R6	Bedroom	14.01	150.85	13.92	149.84	0.99	3.24	34.86	0.23	10.68	114.99	0.23
	R7	LKD	23.92	257.50	22.82	245.62	0.95	11.02	118.66	0.46	11.79	126.95	0.48
	R8	Bedroom	13.55	145.81	13.11	141.15	0.97	10.13	109.07	0.75	2.98	32.09	0.77
	R9	Bedroom	13.31	143.28	12.56	135.19	0.94	11.12	119.68	0.84	1.44	15.51	0.89
	R10	LKD	24.94	268.41	19.82	213.36	0.79	18.16	195.43	0.73	1.67	17.94	0.92
	R11	Bedroom	14.01	150.85	11.68	125.68	0.83	10.92	117.53	0.78	0.76	8.15	0.94
	R12	Bedroom	14.01	150.85	8.75	94.19	0.62	8.37	90.08	0.60	0.38	4.11	0.96
	R13	LKD	24.84	267.34	6.07	65.34	0.24	1.58	17.02	0.06	4.49	48.32	0.26
	R14	Bedroom	13.24	142.53	2.76	29.68	0.21	1.00	10.71	0.08	1.76	18.96	0.36
	R15	Bedroom	13.15	141.51	3.46	37.26	0.26	1.03	11.06	0.08	2.43	26.20	0.30
	R16	LKD	24.96	268.67	2.08	22.42	0.08	2.08	22.42	0.08	0.00	0.00	1.00
	R17	Bedroom	12.82	138.03	2.29	24.69	0.18	2.29	24.69	0.18	0.00	0.00	1.00
	R18	Bedroom	14.34	154.34	2.73	29.33	0.19	2.73	29.33	0.19	0.00	0.00	1.00
	R19	LKD	25.57	275.21	23.45	252.43	0.92	11.39	122.64	0.45	12.06	129.79	0.49
	R20	Bedroom	14.30	153.93	13.82	148.73	0.97	4.23	45.51	0.30	9.59	103.22	0.31
	R21	Bedroom	15.05	161.97	14.86	159.99	0.99	2.41	25.99	0.16	12.45	133.99	0.16
	R22	LKD	22.50	242.17	21.77	234.35	0.97	2.49	26.83	0.11	19.28	207.52	0.11
	R23	Bedroom	10.96	117.93	10.82	116.49	0.99	1.97	21.18	0.18	8.85	95.31	0.18
	R24	LKD	25.71	276.73	25.61	275.71	1.00	24.97	268.73	0.97	0.65	6.98	0.97
Sixth	R1	LKD	24.75	266.42	24.73	266.24	1.00	24.73	266.20	1.00	0.00	0.04	1.00
	R2	Bedroom	12.48	134.38	12.22	131.55	0.98	12.05	129.74	0.97	0.17	1.81	0.99
	R3	Bedroom	12.48	134.38	12.13	130.59	0.97	12.09	130.16	0.97	0.04	0.43	1.00
	R4	LKD	24.87	267.70	24.86	267.61	1.00	24.62	264.96	0.99	0.25	2.65	0.99
	R5	Bedroom	11.90	128.13	11.75	126.52	0.99	2.79	30.07	0.23	8.96	96.45	0.24
	R6	Bedroom	14.01	150.85	13.93	149.89	0.99	3.65	39.29	0.26	10.27	110.60	0.26
	R7	LKD	23.92	257.50	23.00	247.60	0.96	11.21	120.65	0.47	11.79	126.95	0.49
	R8	Bedroom	13.55	145.81	13.33	143.51	0.98	10.35	111.43	0.76	2.98	32.08	0.78
	R9	Bedroom	13.31	143.28	12.76	137.34	0.96	11.33	121.92	0.85	1.43	15.41	0.89
	R10	LKD	24.94	268.41	20.05	215.79	0.80	18.40	198.01	0.74	1.65	17.77	0.92
	R11	Bedroom	14.01	150.85	11.80	127.00	0.84	11.07	119.17	0.79	0.73	7.83	0.94
	R12	Bedroom	14.01	150.85	8.88	95.61	0.63	8.53	91.81	0.61	0.35	3.80	0.96
	R13	LKD	24.84	267.34	6.21	66.87	0.25	1.93	20.78	0.08	4.28	46.09	0.31
	R14	Bedroom	13.24	142.53	2.92	31.46	0.22	1.33	14.35	0.10	1.59	17.11	0.46
	R15	Bedroom	13.15	141.51	3.61	38.86	0.27	1.33	14.33	0.10	2.28	24.54	0.37
	R16	LKD	24.96	268.67	2.80	30.19	0.11	2.80	30.19	0.11	0.00	0.00	1.00
	R17	Bedroom	12.82	138.03	3.02	32.55	0.24	3.02	32.55	0.24	0.00	0.00	1.00
	R18	Bedroom	14.34	154.34	3.52	37.87	0.25	3.52	37.87	0.25	0.00	0.00	1.00
	R19	LKD	25.57	275.21	24.04	258.78	0.94	13.05	140.49	0.51	10.99	118.28	0.54

Floor Ref.	Room Ref.	Room Use.	Room Area m2	Room Area ft2	Lit Area m2 Existing	Lit Area ft2 Existing	Existing % lit	Lit Area m2 Proposed	Lit Area ft2 Proposed	Proposed % lit	Area Lost m2	Area Lost ft2	Pr/Ex
	R20	Bedroom	14.30	153.93	13.97	150.33	0.98	4.88	52.57	0.34	9.08	97.76	0.35
	R21	Bedroom	15.05	161.97	14.90	160.34	0.99	2.63	28.33	0.17	12.26	132.01	0.18
	R22	LKD	22.50	242.17	21.82	234.92	0.97	2.70	29.07	0.12	19.12	205.85	0.12
	R23	Bedroom	10.96	117.93	10.83	116.53	0.99	2.01	21.63	0.18	8.82	94.89	0.19
Seventh	R24	LKD	25.71	276.73	25.61	275.71	1.00	24.97	268.75	0.97	0.65	6.97	0.97
	R1	LKD	24.75	266.42	24.74	266.26	1.00	24.73	266.23	1.00	0.00	0.04	1.00
	R2	Bedroom	12.48	134.38	12.22	131.55	0.98	12.05	129.74	0.97	0.17	1.81	0.99
	R3	Bedroom	12.48	134.38	12.13	130.59	0.97	12.09	130.16	0.97	0.04	0.43	1.00
	R4	LKD	24.87	267.70	24.86	267.64	1.00	24.69	265.76	0.99	0.17	1.88	0.99
	R5	Bedroom	11.90	128.13	11.75	126.52	0.99	3.08	33.19	0.26	8.67	93.34	0.26
	R6	Bedroom	14.01	150.85	13.93	149.90	0.99	4.06	43.74	0.29	9.86	106.17	0.29
	R7	LKD	23.92	257.50	23.02	247.82	0.96	11.23	120.87	0.47	11.79	126.95	0.49
	R8	Bedroom	13.55	145.81	13.43	144.53	0.99	10.45	112.45	0.77	2.98	32.08	0.78
	R9	Bedroom	13.31	143.28	13.03	140.24	0.98	11.61	124.94	0.87	1.42	15.30	0.89
	R10	LKD	24.94	268.41	20.30	218.54	0.81	18.72	201.46	0.75	1.59	17.08	0.92
	R11	Bedroom	14.01	150.85	11.97	128.79	0.85	11.30	121.64	0.81	0.66	7.15	0.94
	R12	Bedroom	14.01	150.85	9.13	98.29	0.65	8.84	95.18	0.63	0.29	3.12	0.97
	R13	LKD	24.84	267.34	6.53	70.32	0.26	2.54	27.32	0.10	3.99	42.99	0.39
	R14	Bedroom	13.24	142.53	3.16	34.05	0.24	1.78	19.11	0.13	1.39	14.94	0.56
	R15	Bedroom	13.15	141.51	3.87	41.66	0.29	1.83	19.66	0.14	2.04	22.00	0.47
	R16	LKD	24.96	268.67	3.89	41.86	0.16	3.89	41.86	0.16	0.00	0.00	1.00
	R17	Bedroom	12.82	138.03	4.11	44.19	0.32	4.11	44.19	0.32	0.00	0.00	1.00
	R18	Bedroom	14.34	154.34	4.96	53.41	0.35	4.96	53.41	0.35	0.00	0.00	1.00
	R19	LKD	25.57	275.21	24.76	266.55	0.97	15.24	164.08	0.60	9.52	102.47	0.62
	R20	Bedroom	14.30	153.93	14.06	151.32	0.98	5.17	55.64	0.36	8.89	95.69	0.37
	R21	Bedroom	15.05	161.97	14.91	160.48	0.99	2.69	28.91	0.18	12.22	131.58	0.18
	R22	LKD	22.50	242.17	21.84	235.04	0.97	2.76	29.71	0.12	19.08	205.33	0.13
	R23	Bedroom	10.96	117.93	10.83	116.54	0.99	2.02	21.76	0.18	8.81	94.78	0.19
	R24	LKD	25.71	276.73	25.61	275.72	1.00	24.97	268.76	0.97	0.65	6.96	0.97
Eighth	R1	LKD	24.75	266.42	24.74	266.26	1.00	24.73	266.23	1.00	0.00	0.04	1.00
	R2	Bedroom	12.48	134.38	12.22	131.55	0.98	12.05	129.76	0.97	0.17	1.80	0.99
	R3	Bedroom	12.48	134.38	12.13	130.59	0.97	12.09	130.16	0.97	0.04	0.43	1.00
	R4	LKD	24.87	267.70	24.87	267.66	1.00	24.73	266.20	0.99	0.14	1.46	0.99
	R5	Bedroom	11.90	128.13	11.75	126.53	0.99	3.25	34.95	0.27	8.51	91.57	0.28
	R6	Bedroom	14.01	150.85	13.93	149.91	0.99	4.45	47.93	0.32	9.47	101.99	0.32
	R7	LKD	23.92	257.50	23.02	247.82	0.96	11.23	120.88	0.47	11.79	126.95	0.49
	R8	Bedroom	13.55	145.81	13.43	144.54	0.99	10.45	112.46	0.77	2.98	32.07	0.78
	R9	Bedroom	13.31	143.28	13.22	142.31	0.99	11.82	127.21	0.89	1.40	15.10	0.89
	R10	LKD	24.94	268.41	20.67	222.50	0.83	19.12	205.83	0.77	1.55	16.68	0.93
	R11	Bedroom	14.01	150.85	12.17	131.00	0.87	11.56	124.43	0.82	0.61	6.57	0.95
	R12	Bedroom	14.01	150.85	9.38	100.96	0.67	9.17	98.68	0.65	0.21	2.28	0.98
	R13	LKD	24.84	267.34	6.95	74.85	0.28	3.28	35.26	0.13	3.68	39.59	0.47
	R14	Bedroom	13.24	142.53	3.58	38.57	0.27	2.60	27.99	0.20	0.98	10.59	0.73
	R15	Bedroom	13.15	141.51	4.44	47.75	0.34	2.75	29.60	0.21	1.69	18.15	0.62
	R16	LKD	24.96	268.67	5.83	62.76	0.23	5.83	62.76	0.23	0.00	0.00	1.00
	R17	Bedroom	12.82	138.03	6.01	64.74	0.47	6.01	64.74	0.47	0.00	0.00	1.00
	R18	Bedroom	14.34	154.34	7.47	80.38	0.52	7.47	80.38	0.52	0.00	0.00	1.00
	R19	LKD	25.57	275.21	25.22	271.42	0.99	18.73	201.62	0.73	6.48	69.80	0.74
	R20	Bedroom	14.30	153.93	14.08	151.57	0.98	5.19	55.89	0.36	8.89	95.68	0.37
	R21	Bedroom	15.05	161.97	14.91	160.52	0.99	2.70	29.11	0.18	12.21	131.41	0.18
	R22	LKD	22.50	242.17	21.84	235.09	0.97	2.77	29.86	0.12	19.07	205.23	0.13
	R23	Bedroom	10.96	117.93	10.83	116.55	0.99	2.03	21.81	0.18	8.80	94.73	0.19
	R24	LKD	25.71	276.73	25.62	275.72	1.00	24.98	268.90	0.97	0.63	6.82	0.98
Ninth	R1	LKD	24.75	266.42	24.74	266.27	1.00	24.73	266.23	1.00	0.00	0.04	1.00
	R2	Bedroom	12.48	134.38	12.22	131.55	0.98	12.06	129.81	0.97	0.16	1.74	0.99
	R3	Bedroom	12.48	134.38	12.13	130.59	0.97	12.09	130.16	0.97	0.04	0.42	1.00
	R4	LKD	24.87	267.70	24.87	267.68	1.00	24.74	266.31	0.99	0.13	1.36	0.99
	R5	Bedroom	11.90	128.13	11.75	126.53	0.99	3.28	35.35	0.28	8.47	91.18	0.28
	R6	Bedroom	14.01	150.85	13.93	149.92	0.99	4.62	49.70	0.33	9.31	100.22	0.33
	R7	LKD	23.92	257.50	23.02	247.83	0.96	11.25	121.12	0.47	11.77	126.72	0.49
	R8	Bedroom	13.55	145.81	13.43	144.54	0.99	10.54	113.41	0.78	2.89	31.13	0.78
	R9	Bedroom	13.31	143.28	13.22	142.31	0.99	11.96	128.69	0.90	1.27	13.62	0.90
	R10	LKD	24.94	268.41	21.43	230.65	0.86	19.97	214.92	0.80	1.46	15.73	0.93
	R11	Bedroom	14.01	150.85	12.49	134.40	0.89	12.04	129.57	0.86	0.45	4.84	0.96
	R12	Bedroom	14.01	150.85	9.80	105.52	0.70	9.72	104.67	0.69	0.08	0.85	0.99
	R13	LKD	24.84	267.34	7.64	82.25	0.31	4.41	47.50	0.18	3.23	34.75	0.58
	R14	Bedroom	13.24	142.53	4.47	48.17	0.34	4.00	43.10	0.30	0.47	5.07	0.89
	R15	Bedroom	13.15	141.51	5.45	58.69	0.41	4.26	45.88	0.32	1.19	12.81	0.78
	R16	LKD	24.96	268.67	9.84	105.94	0.39	9.84	105.94	0.39	0.00	0.00	1.00
	R17	Bedroom	12.82	138.03	9.92	106.78	0.77	9.92	106.78	0.77	0.00	0.00	1.00
	R18	Bedroom	14.34	154.34	12.45	134.04	0.87	12.45	134.04	0.87	0.00	0.00	1.00
	R19	LKD	25.57	275.21	25.28	272.07	0.99	24.91	268.09	0.97	0.37	3.98	0.99
	R20	Bedroom	14.30	153.93	14.09	151.62	0.98	5.21	56.07	0.36	8.88	95.56	0.37
	R21	Bedroom	15.05	161.97	14.91	160.53	0.99	2.73	29.35	0.18	12.19	131.18	0.18
	R22	LKD	22.50	242.17	21.84	235.10	0.97	2.80	30.13	0.12	19.04	204.96	0.13
	R23	Bedroom	10.96	117.93	10.83	116.55	0.99	2.05	22.05	0.19	8.78	94.50	0.19
	R24	LKD	25.71	276.73	25.62	275.72	1.00	24.98	268.93	0.97	0.63	6.79	0.98
Tenth	R1	Bedroom	13.06	140.58	12.72	136.90	0.97	12.72	136.87	0.97	0.00	0.04	1.00
	R2	LKD	35.03	377.04	33.97	365.62	0.97	33.90	364.85	0.97	0.07	0.77	1.00
	R3	Bedroom	12.89	138.73	12.58	135.38	0.98	11.93	128.41	0.93	0.65	6.97	0.95
	R4	Bedroom	12.96	139.50	12.67	136.34	0.98	5.83	62.72	0.45	6.84	73.62	0.46
	R5	LKD	28.47	306.42	27.50	295.95	0.97	25.31	272.39	0.89	2.19	23.56	0.92
	R6	Bedroom	11.93	128.41	11.62	125.09	0.97	10.44	112.41	0.88	1.18	12.68	0.90
	R7	Bedroom	11.93	128.41	11.63	125.18	0.97	9.07	97.59	0.76	2.56	27.59	0.78
	R8	LKD	30.84	331.96	28.60	307.85	0.93	25.68	276.40	0.83	2.92	31.44	0.90
	R9	LKD	31.91	343.44	26.89	289.45	0.84	18.68	201.08	0.59	8.21	88.37	0.69
	R10	Bedroom	17.24	185.59	13.46	144.89	0.78	9.03	97.16	0.52	4.43	47.72	0.67

Floor Ref.	Room Ref.	Room Use.	Room Area m2	Room Area ft2	Lit Area m2 Existing	Lit Area ft2 Existing	Existing % lit	Lit Area m2 Proposed	Lit Area ft2 Proposed	Proposed % lit	Area Lost m2	Area Lost ft2	Pr/Ex
	R11	LKD	24.96	268.67	20.23	217.71	0.81	20.23	217.71	0.81	0.00	0.00	1.00
	R12	Bedroom	12.82	138.03	12.73	137.03	0.99	12.73	137.03	0.99	0.00	0.00	1.00
	R13	Bedroom	14.34	154.34	14.11	151.90	0.98	14.11	151.90	0.98	0.00	0.00	1.00
	R14	LKD	25.57	275.21	25.50	274.48	1.00	25.50	274.43	1.00	0.00	0.05	1.00
	R15	Bedroom	14.30	153.93	14.09	151.64	0.99	5.25	56.50	0.37	8.84	95.14	0.37
	R16	Bedroom	15.05	161.97	14.91	160.54	0.99	2.76	29.75	0.18	12.15	130.79	0.19
	R17	LKD	22.50	242.17	21.84	235.09	0.97	2.83	30.50	0.13	19.01	204.58	0.13
	R18	Bedroom	10.96	117.93	10.83	116.56	0.99	2.08	22.39	0.19	8.75	94.17	0.19
	R19	LKD	25.71	276.73	25.62	275.72	1.00	24.99	269.03	0.97	0.62	6.69	0.98
Eleventh	R1	LKD	24.96	268.67	23.87	256.90	0.96	23.87	256.90	0.96	0.00	0.00	1.00
	R2	Bedroom	12.82	138.03	12.73	137.03	0.99	12.73	137.03	0.99	0.00	0.00	1.00
	R3	Bedroom	14.34	154.34	14.11	151.91	0.98	14.11	151.91	0.98	0.00	0.00	1.00
	R4	LKD	25.57	275.21	25.50	274.48	1.00	25.50	274.44	1.00	0.00	0.04	1.00
	R5	Bedroom	14.30	153.93	14.09	151.65	0.99	5.35	57.62	0.37	8.74	94.03	0.38
	R6	Bedroom	15.05	161.97	14.91	160.54	0.99	2.89	31.08	0.19	12.03	129.46	0.19
	R7	LKD	22.50	242.17	21.84	235.09	0.97	2.94	31.60	0.13	18.90	203.49	0.13
	R8	Bedroom	10.96	117.93	10.83	116.56	0.99	2.19	23.61	0.20	8.64	92.95	0.20
	R9	LKD	25.71	276.73	25.62	275.72	1.00	25.01	269.22	0.97	0.60	6.50	0.98
Twelfth	R1	LKD	23.18	249.56	23.12	248.90	1.00	21.53	231.73	0.93	1.60	17.17	0.93
	R2	Bedroom	16.41	176.69	16.03	172.57	0.98	7.05	75.85	0.43	8.98	96.71	0.44
	R3	Bedroom	15.32	164.94	14.90	160.38	0.97	7.75	83.47	0.51	7.15	76.92	0.52
	R4	LKD	26.52	285.42	26.34	283.47	0.99	26.23	282.32	0.99	0.11	1.15	1.00

Proximity

Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	Window Orientation	Total Suns per Room Annual Existing	Total Suns per Room Annual Proposed	Annual Suns Lost	Annual Pr/Ex	Total Suns per Room Winter Existing	Total Suns per Room Winter Proposed	Wnter Suns Lost	Winter Pr/Ex
The Citadel Ludgate Hill													
Ground	R1	Residential	Unknown	W1 W2 W3 W4	150° 60°N 60°N 60°N	31.00	24.00	7.00	0.77	6.00	5.00	1.00	0.83
First	R1	Residential	Unknown	W1 W2 W3 W4	150° 60°N 60°N 60°N	36.00	28.00	8.00	0.78	6.00	5.00	1.00	0.83
Second	R1	Residential	Unknown	W1 W2 W3 W4	150° 60°N 60°N 60°N	41.00	31.00	10.00	0.76	9.00	7.00	2.00	0.78
Third	R1	Residential	Unknown	W1 W2 W3 W4	150° 60°N 60°N 60°N	47.00	39.00	8.00	0.83	9.00	7.00	2.00	0.78
Fourth	R1	Residential	Unknown	W1 W2 W3 W4	150° 60°N 60°N 60°N	52.00	44.00	8.00	0.85	10.00	8.00	2.00	0.80
Fifth	R1	Residential	Unknown	W1 W2 W3 W4	150° 60°N 60°N 60°N	58.00	51.00	7.00	0.88	13.00	11.00	2.00	0.85
6 Ludgate Hill													
First	R1	Residential	Unknown	W1 W2 W3	149° 59°N 59°N	68.00	68.00	0.00	1.00	27.00	27.00	0.00	1.00
Second	R1	Residential	Unknown	W1 W2 W3	149° 59°N 59°N	68.00	68.00	0.00	1.00	27.00	27.00	0.00	1.00
Third	R1	Residential	Unknown	W1 W2 W3	149° 59°N 59°N	68.00	68.00	0.00	1.00	27.00	27.00	0.00	1.00
Fourth	R1	Residential	Unknown	W1 W2 W3	149° 59°N 59°N	80.00	80.00	0.00	1.00	27.00	27.00	0.00	1.00
Fifth	R1	Residential	Unknown	W1 W2 W3	149° 59°N 59°N	80.00	80.00	0.00	1.00	27.00	27.00	0.00	1.00
18-20 Rochdale Road													
Ground	R1	Residential	LKD	W1	242°	53.00	51.00	2.00	0.96	21.00	21.00	0.00	1.00
First	R3	Residential	Bedroom	W5 W6 W7	310°N 242° 164°	85.00	84.00	1.00	0.99	29.00	29.00	0.00	1.00
Second	R1	Residential	LKD	W1 W2 W3 W4 W5 W6 W7	310°N 310°N 310°N 310°N 242° 164° 164°	85.00	85.00	0.00	1.00	29.00	29.00	0.00	1.00
Third	R3	Residential	Bedroom	W4 W5 W6 W7	310°N 242° 164° 164°	86.00	85.00	1.00	0.99	29.00	29.00	0.00	1.00
Phase 1 Coach House													
First	R1	Residential	LKD	W1 W2	239° 59°N	45.00	29.00	16.00	0.64	10.00	6.00	4.00	0.60
	R2	Residential	LKD	W3 W6	59°N 239°	51.00	35.00	16.00	0.69	11.00	6.00	5.00	0.55
	R3	Residential	LKD	W4 W5	59°N 239°	46.00	33.00	13.00	0.72	11.00	6.00	5.00	0.55
Second	R1	Residential	Bedroom	W1	239°	33.00	33.00	0.00	1.00	8.00	8.00	0.00	1.00
	R2	Residential	Bedroom	W2	149°	57.00	41.00	16.00	0.72	15.00	11.00	4.00	0.73
Third	R1	Residential	Bedroom	W1	239°	37.00	37.00	0.00	1.00	8.00	8.00	0.00	1.00
	R2	Residential	Bedroom	W2	149°	61.00	43.00	18.00	0.70	18.00	13.00	5.00	0.72
Fourth	R1	Residential	LKD	W1 W2 W3	239° 149° 59°N	80.00	60.00	20.00	0.75	23.00	17.00	6.00	0.74
	R2	Residential	LKD	W4 W7	59°N 239°	76.00	59.00	17.00	0.78	19.00	13.00	6.00	0.68

Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	Window Orientation	Total Suns per Room Annual Existing	Total Suns per Room Annual Proposed	Annual Suns Lost	Annual Pr/Ex	Total Suns per Room Winter Existing	Total Suns per Room Winter Proposed	Wnter Suns Lost	Winter Pr/Ex
	R3	Residential	LKD	W5 W6	59°N 239°	74.00	59.00	15.00	0.80	20.00	14.00	6.00	0.70
Phase 1 Tower													
Ground	R1	Residential	LKD	W1 W2	329°N 239°	25.00	25.00	0.00	1.00	6.00	6.00	0.00	1.00
	R2	Residential	Bedroom	W3	239°	39.00	26.00	13.00	0.67	13.00	7.00	6.00	0.54
	R3	Residential	Bedroom	W4	239°	42.00	29.00	13.00	0.69	14.00	8.00	6.00	0.57
	R4	Residential	LKD	W5 W6 W7 W8	239° 172° 128° 171°	65.00	24.00	41.00	0.37	20.00	3.00	17.00	0.15
	R5	Residential	LKD	W9	128°	44.00	2.00	42.00	0.05	17.00	1.00	16.00	0.06
	R6	Residential	Bedroom	W10	171°	48.00	8.00	40.00	0.17	18.00	2.00	16.00	0.11
	R7	Residential	Bedroom	W11	128°	42.00	9.00	33.00	0.21	17.00	3.00	14.00	0.18
	R8	Residential	LKD	W12 W13	171° 128°	47.00	14.00	33.00	0.30	19.00	4.00	15.00	0.21
First	R1	Residential	LKD	W1 W2	329°N 239°	54.00	42.00	12.00	0.78	15.00	9.00	6.00	0.60
	R2	Residential	Bedroom	W3	239°	50.00	37.00	13.00	0.74	17.00	11.00	6.00	0.65
	R3	Residential	Bedroom	W4	239°	52.00	39.00	13.00	0.75	17.00	11.00	6.00	0.65
	R4	Residential	LKD	W5 W6	239° 149°	68.00	30.00	38.00	0.44	21.00	5.00	16.00	0.24
	R5	Residential	Bedroom	W7	149°	61.00	13.00	48.00	0.21	23.00	3.00	20.00	0.13
	R6	Residential	Bedroom	W8	149°	61.00	14.00	47.00	0.23	24.00	3.00	21.00	0.13
	R7	Residential	LKD	W9	149°	57.00	14.00	43.00	0.25	22.00	3.00	19.00	0.14
	R8	Residential	Bedroom	W10	149°	57.00	21.00	36.00	0.37	22.00	5.00	17.00	0.23
	R9	Residential	Bedroom	W11	149°	55.00	17.00	38.00	0.31	22.00	5.00	17.00	0.23
	R10	Residential	LKD	W12	149°	52.00	15.00	37.00	0.29	21.00	4.00	17.00	0.19
	R11	Residential	Bedroom	W13	149°	49.00	17.00	32.00	0.35	19.00	5.00	14.00	0.26
	R12	Residential	Bedroom	W14	149°	45.00	17.00	28.00	0.38	17.00	5.00	12.00	0.29
	R13	Residential	LKD	W15	149°	35.00	9.00	26.00	0.26	13.00	2.00	11.00	0.15
	R14	Residential	Bedroom	W16	149°	28.00	7.00	21.00	0.25	9.00	1.00	8.00	0.11
	R15	Residential	Bedroom	W17	149°	23.00	7.00	16.00	0.30	7.00	1.00	6.00	0.14
	R19	Residential	LKD	W21 W22	329°N 239°	49.00	15.00	34.00	0.31	14.00	2.00	12.00	0.14
	R20	Residential	Bedroom	W23	239°	56.00	13.00	43.00	0.23	17.00	6.00	11.00	0.35
	R21	Residential	Bedroom	W24	239°	58.00	13.00	45.00	0.22	18.00	6.00	12.00	0.33
	R22	Residential	LKD	W25	239°	59.00	20.00	39.00	0.34	17.00	10.00	7.00	0.59
	R23	Residential	Bedroom	W26	239°	59.00	24.00	35.00	0.41	17.00	12.00	5.00	0.71
	R24	Residential	LKD	W27 W28 W29	239° 239° 136°	93.00	69.00	24.00	0.74	25.00	24.00	1.00	0.96
Second	R1	Residential	LKD	W1 W2	329°N 239°	60.00	48.00	12.00	0.80	19.00	13.00	6.00	0.68
	R2	Residential	Bedroom	W3	239°	60.00	47.00	13.00	0.78	18.00	12.00	6.00	0.67
	R3	Residential	Bedroom	W4	239°	60.00	47.00	13.00	0.78	19.00	13.00	6.00	0.68
	R4	Residential	LKD	W5 W6	239° 149°	80.00	40.00	40.00	0.50	25.00	8.00	17.00	0.32
	R5	Residential	Bedroom	W7	149°	62.00	13.00	49.00	0.21	24.00	3.00	21.00	0.13
	R6	Residential	Bedroom	W8	149°	61.00	14.00	47.00	0.23	24.00	3.00	21.00	0.13
	R7	Residential	LKD	W9	149°	58.00	15.00	43.00	0.26	22.00	3.00	19.00	0.14
	R8	Residential	Bedroom	W10	149°	57.00	21.00	36.00	0.37	22.00	5.00	17.00	0.23
	R9	Residential	Bedroom	W11	149°	55.00	17.00	38.00	0.31	22.00	5.00	17.00	0.23
	R10	Residential	LKD	W12	149°	52.00	15.00	37.00	0.29	21.00	4.00	17.00	0.19
	R11	Residential	Bedroom	W13	149°	50.00	18.00	32.00	0.36	20.00	6.00	14.00	0.30

Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	Window Orientation	Total Suns per Room Annual Existing	Total Suns per Room Annual Proposed	Annual Suns Lost	Annual Pr/Ex	Total Suns per Room Winter Existing	Total Suns per Room Winter Proposed	Wnter Suns Lost	Wnter Pr/Ex
	R12	Residential	Bedroom	W14	149°	46.00	18.00	28.00	0.39	18.00	6.00	12.00	0.33
	R13	Residential	LKD	W15	149°	36.00	10.00	26.00	0.28	14.00	3.00	11.00	0.21
	R14	Residential	Bedroom	W16	149°	29.00	8.00	21.00	0.28	10.00	2.00	8.00	0.20
	R15	Residential	Bedroom	W17	149°	24.00	8.00	16.00	0.33	8.00	2.00	6.00	0.25
	R19	Residential	LKD	W21 W22	329°N 239°	51.00	15.00	36.00	0.29	16.00	2.00	14.00	0.13
	R20	Residential	Bedroom	W23	239°	59.00	13.00	46.00	0.22	20.00	6.00	14.00	0.30
	R21	Residential	Bedroom	W24	239°	59.00	13.00	46.00	0.22	19.00	6.00	13.00	0.32
	R22	Residential	LKD	W25	239°	62.00	20.00	42.00	0.32	20.00	10.00	10.00	0.50
	R23	Residential	Bedroom	W26	239°	62.00	24.00	38.00	0.39	20.00	12.00	8.00	0.60
	R24	Residential	LKD	W27 W28 W29	239° 239° 136°	96.00	69.00	27.00	0.72	27.00	24.00	3.00	0.89
Third	R1	Residential	LKD	W1 W2	329°N 239°	61.00	50.00	11.00	0.82	19.00	13.00	6.00	0.68
	R2	Residential	Bedroom	W3	239°	63.00	50.00	13.00	0.79	19.00	13.00	6.00	0.68
	R3	Residential	Bedroom	W4	239°	64.00	51.00	13.00	0.80	19.00	13.00	6.00	0.68
	R4	Residential	LKD	W5 W6	239° 149°	83.00	43.00	40.00	0.52	25.00	8.00	17.00	0.32
	R5	Residential	Bedroom	W7	149°	64.00	14.00	50.00	0.22	25.00	4.00	21.00	0.16
	R6	Residential	Bedroom	W8	149°	62.00	15.00	47.00	0.24	25.00	4.00	21.00	0.16
	R7	Residential	LKD	W9	149°	60.00	17.00	43.00	0.28	23.00	4.00	19.00	0.17
	R8	Residential	Bedroom	W10	149°	58.00	22.00	36.00	0.38	23.00	6.00	17.00	0.26
	R9	Residential	Bedroom	W11	149°	57.00	19.00	38.00	0.33	23.00	6.00	17.00	0.26
	R10	Residential	LKD	W12	149°	53.00	16.00	37.00	0.30	22.00	5.00	17.00	0.23
	R11	Residential	Bedroom	W13	149°	50.00	18.00	32.00	0.36	20.00	6.00	14.00	0.30
	R12	Residential	Bedroom	W14	149°	46.00	18.00	28.00	0.39	18.00	6.00	12.00	0.33
	R13	Residential	LKD	W15	149°	36.00	10.00	26.00	0.28	14.00	3.00	11.00	0.21
	R14	Residential	Bedroom	W16	149°	30.00	9.00	21.00	0.30	11.00	3.00	8.00	0.27
	R15	Residential	Bedroom	W17	149°	25.00	9.00	16.00	0.36	9.00	3.00	6.00	0.33
	R19	Residential	LKD	W21 W22	329°N 239°	51.00	15.00	36.00	0.29	16.00	2.00	14.00	0.13
	R20	Residential	Bedroom	W23	239°	59.00	13.00	46.00	0.22	20.00	6.00	14.00	0.30
	R21	Residential	Bedroom	W24	239°	60.00	13.00	47.00	0.22	20.00	6.00	14.00	0.30
	R22	Residential	LKD	W25	239°	63.00	20.00	43.00	0.32	21.00	10.00	11.00	0.48
	R23	Residential	Bedroom	W26	239°	63.00	24.00	39.00	0.38	21.00	12.00	9.00	0.57
	R24	Residential	LKD	W27 W28 W29	239° 239° 136°	98.00	70.00	28.00	0.71	29.00	25.00	4.00	0.86
Fourth	R1	Residential	LKD	W1 W2	329°N 239°	64.00	54.00	10.00	0.84	20.00	14.00	6.00	0.70
	R2	Residential	Bedroom	W3	239°	65.00	52.00	13.00	0.80	20.00	14.00	6.00	0.70
	R3	Residential	Bedroom	W4	239°	65.00	52.00	13.00	0.80	20.00	14.00	6.00	0.70
	R4	Residential	LKD	W5 W6	239° 149°	85.00	44.00	41.00	0.52	26.00	9.00	17.00	0.35
	R5	Residential	Bedroom	W7	149°	65.00	14.00	51.00	0.22	25.00	4.00	21.00	0.16
	R6	Residential	Bedroom	W8	149°	63.00	15.00	48.00	0.24	25.00	4.00	21.00	0.16
	R7	Residential	LKD	W9	149°	61.00	18.00	43.00	0.30	24.00	5.00	19.00	0.21
	R8	Residential	Bedroom	W10	149°	59.00	23.00	36.00	0.39	24.00	7.00	17.00	0.29
	R9	Residential	Bedroom	W11	149°	58.00	20.00	38.00	0.34	24.00	7.00	17.00	0.29
	R10	Residential	LKD	W12	149°	54.00	17.00	37.00	0.31	23.00	6.00	17.00	0.26
	R11	Residential	Bedroom	W13	149°	52.00	20.00	32.00	0.38	21.00	7.00	14.00	0.33
	R12	Residential	Bedroom	W14	149°	48.00	19.00	29.00	0.40	20.00	7.00	13.00	0.35

Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	Window Orientation	Total Suns per Room Annual Existing	Total Suns per Room Annual Proposed	Annual Suns Lost	Annual Pr/Ex	Total Suns per Room Winter Existing	Total Suns per Room Winter Proposed	Wnter Suns Lost	Wnter Pr/Ex
	R13	Residential	LKD	W15	149°	38.00	12.00	26.00	0.32	16.00	4.00	12.00	0.25
	R14	Residential	Bedroom	W16	149°	31.00	9.00	22.00	0.29	12.00	3.00	9.00	0.25
	R15	Residential	Bedroom	W17	149°	26.00	10.00	16.00	0.38	10.00	3.00	7.00	0.30
	R19	Residential	LKD	W21 W22	329°N 239°	52.00	15.00	37.00	0.29	17.00	2.00	15.00	0.12
	R20	Residential	Bedroom	W23	239°	60.00	13.00	47.00	0.22	21.00	6.00	15.00	0.29
	R21	Residential	Bedroom	W24	239°	61.00	13.00	48.00	0.21	21.00	6.00	15.00	0.29
	R22	Residential	LKD	W25	239°	63.00	20.00	43.00	0.32	21.00	10.00	11.00	0.48
	R23	Residential	Bedroom	W26	239°	64.00	24.00	40.00	0.38	22.00	12.00	10.00	0.55
	R24	Residential	LKD	W27 W28 W29	239° 239° 136°	98.00	70.00	28.00	0.71	29.00	25.00	4.00	0.86
Fifth	R1	Residential	LKD	W1 W2	329°N 239°	66.00	56.00	10.00	0.85	21.00	15.00	6.00	0.71
	R2	Residential	Bedroom	W3	239°	66.00	53.00	13.00	0.80	21.00	15.00	6.00	0.71
	R3	Residential	Bedroom	W4	239°	66.00	53.00	13.00	0.80	21.00	15.00	6.00	0.71
	R4	Residential	LKD	W5 W6	239° 149°	86.00	45.00	41.00	0.52	27.00	10.00	17.00	0.37
	R5	Residential	Bedroom	W7	149°	67.00	15.00	52.00	0.22	26.00	5.00	21.00	0.19
	R6	Residential	Bedroom	W8	149°	65.00	17.00	48.00	0.26	26.00	5.00	21.00	0.19
	R7	Residential	LKD	W9	149°	62.00	19.00	43.00	0.31	24.00	5.00	19.00	0.21
	R8	Residential	Bedroom	W10	149°	61.00	25.00	36.00	0.41	25.00	8.00	17.00	0.32
	R9	Residential	Bedroom	W11	149°	59.00	22.00	37.00	0.37	25.00	8.00	17.00	0.32
	R10	Residential	LKD	W12	149°	56.00	19.00	37.00	0.34	24.00	6.00	18.00	0.25
	R11	Residential	Bedroom	W13	149°	53.00	22.00	31.00	0.42	22.00	7.00	15.00	0.32
	R12	Residential	Bedroom	W14	149°	48.00	20.00	28.00	0.42	20.00	7.00	13.00	0.35
	R13	Residential	LKD	W15	149°	38.00	13.00	25.00	0.34	16.00	4.00	12.00	0.25
	R14	Residential	Bedroom	W16	149°	31.00	11.00	20.00	0.35	12.00	3.00	9.00	0.25
	R15	Residential	Bedroom	W17	149°	27.00	12.00	15.00	0.44	10.00	3.00	7.00	0.30
Sixth	R19	Residential	LKD	W21 W22	329°N 239°	52.00	15.00	37.00	0.29	17.00	2.00	15.00	0.12
	R20	Residential	Bedroom	W23	239°	60.00	13.00	47.00	0.22	21.00	6.00	15.00	0.29
	R21	Residential	Bedroom	W24	239°	61.00	13.00	48.00	0.21	21.00	6.00	15.00	0.29
	R22	Residential	LKD	W25	239°	63.00	20.00	43.00	0.32	21.00	10.00	11.00	0.48
	R23	Residential	Bedroom	W26	239°	64.00	24.00	40.00	0.38	22.00	12.00	10.00	0.55
	R24	Residential	LKD	W27 W28 W29	239° 239° 136°	98.00	70.00	28.00	0.71	29.00	25.00	4.00	0.86
	R1	Residential	LKD	W1 W2	329°N 239°	67.00	58.00	9.00	0.87	22.00	16.00	6.00	0.73
	R2	Residential	Bedroom	W3	239°	67.00	56.00	11.00	0.84	22.00	16.00	6.00	0.73
	R3	Residential	Bedroom	W4	239°	67.00	54.00	13.00	0.81	22.00	16.00	6.00	0.73
	R4	Residential	LKD	W5 W6	239° 149°	88.00	46.00	42.00	0.52	28.00	11.00	17.00	0.39
	R5	Residential	Bedroom	W7	149°	69.00	17.00	52.00	0.25	27.00	6.00	21.00	0.22
	R6	Residential	Bedroom	W8	149°	68.00	20.00	48.00	0.29	27.00	6.00	21.00	0.22
	R7	Residential	LKD	W9	149°	64.00	22.00	42.00	0.34	25.00	6.00	19.00	0.24
	R8	Residential	Bedroom	W10	149°	62.00	27.00	35.00	0.44	25.00	8.00	17.00	0.32
	R9	Residential	Bedroom	W11	149°	59.00	23.00	36.00	0.39	25.00	8.00	17.00	0.32
	R10	Residential	LKD	W12	149°	57.00	22.00	35.00	0.39	25.00	7.00	18.00	0.28
	R11	Residential	Bedroom	W13	149°	54.00	24.00	30.00	0.44	22.00	7.00	15.00	0.32
	R12	Residential	Bedroom	W14	149°	48.00	21.00	27.00	0.44	20.00	7.00	13.00	0.35
	R13	Residential	LKD	W15	149°	38.00	14.00	24.00	0.37	16.00	4.00	12.00	0.25

Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	Window Orientation	Total Suns per Room Annual Existing	Total Suns per Room Annual Proposed	Annual Suns Lost	Annual Pr/Ex	Total Suns per Room Winter Existing	Total Suns per Room Winter Proposed	Wnter Suns Lost	Wnter Pr/Ex
	R14	Residential	Bedroom	W16	149°	32.00	15.00	17.00	0.47	12.00	3.00	9.00	0.25
	R15	Residential	Bedroom	W17	149°	28.00	15.00	13.00	0.54	10.00	3.00	7.00	0.30
	R19	Residential	LKD	W21 W22	329°N 239°	53.00	15.00	38.00	0.28	18.00	2.00	16.00	0.11
	R20	Residential	Bedroom	W23	239°	63.00	14.00	49.00	0.22	22.00	6.00	16.00	0.27
	R21	Residential	Bedroom	W24	239°	63.00	13.00	50.00	0.21	22.00	6.00	16.00	0.27
	R22	Residential	LKD	W25	239°	64.00	20.00	44.00	0.31	22.00	10.00	12.00	0.45
	R23	Residential	Bedroom	W26	239°	64.00	24.00	40.00	0.38	22.00	12.00	10.00	0.55
	R24	Residential	LKD	W27 W28 W29	239° 239° 136°	98.00	70.00	28.00	0.71	29.00	25.00	4.00	0.86
Seventh	R1	Residential	LKD	W1 W2	329°N 239°	67.00	58.00	9.00	0.87	22.00	16.00	6.00	0.73
	R2	Residential	Bedroom	W3	239°	67.00	56.00	11.00	0.84	22.00	16.00	6.00	0.73
	R3	Residential	Bedroom	W4	239°	67.00	55.00	12.00	0.82	22.00	16.00	6.00	0.73
	R4	Residential	LKD	W5 W6	239° 149°	90.00	47.00	43.00	0.52	28.00	11.00	17.00	0.39
	R5	Residential	Bedroom	W7	149°	69.00	18.00	51.00	0.26	27.00	6.00	21.00	0.22
	R6	Residential	Bedroom	W8	149°	69.00	22.00	47.00	0.32	27.00	6.00	21.00	0.22
	R7	Residential	LKD	W9	149°	66.00	25.00	41.00	0.38	25.00	6.00	19.00	0.24
	R8	Residential	Bedroom	W10	149°	63.00	29.00	34.00	0.46	25.00	8.00	17.00	0.32
	R9	Residential	Bedroom	W11	149°	61.00	26.00	35.00	0.43	25.00	8.00	17.00	0.32
	R10	Residential	LKD	W12	149°	59.00	27.00	32.00	0.46	25.00	7.00	18.00	0.28
	R11	Residential	Bedroom	W13	149°	54.00	26.00	28.00	0.48	22.00	7.00	15.00	0.32
	R12	Residential	Bedroom	W14	149°	48.00	24.00	24.00	0.50	20.00	7.00	13.00	0.35
	R13	Residential	LKD	W15	149°	40.00	20.00	20.00	0.50	16.00	4.00	12.00	0.25
	R14	Residential	Bedroom	W16	149°	35.00	19.00	16.00	0.54	12.00	3.00	9.00	0.25
	R15	Residential	Bedroom	W17	149°	31.00	20.00	11.00	0.65	10.00	3.00	7.00	0.30
	R19	Residential	LKD	W21 W22	329°N 239°	55.00	17.00	38.00	0.31	18.00	2.00	16.00	0.11
	R20	Residential	Bedroom	W23	239°	63.00	14.00	49.00	0.22	22.00	6.00	16.00	0.27
	R21	Residential	Bedroom	W24	239°	63.00	13.00	50.00	0.21	22.00	6.00	16.00	0.27
	R22	Residential	LKD	W25	239°	64.00	20.00	44.00	0.31	22.00	10.00	12.00	0.45
	R23	Residential	Bedroom	W26	239°	64.00	24.00	40.00	0.38	22.00	12.00	10.00	0.55
	R24	Residential	LKD	W27 W28 W29	239° 239° 136°	98.00	70.00	28.00	0.71	29.00	25.00	4.00	0.86
Eighth	R1	Residential	LKD	W1 W2	329°N 239°	67.00	59.00	8.00	0.88	22.00	16.00	6.00	0.73
	R2	Residential	Bedroom	W3	239°	67.00	57.00	10.00	0.85	22.00	16.00	6.00	0.73
	R3	Residential	Bedroom	W4	239°	67.00	56.00	11.00	0.84	22.00	16.00	6.00	0.73
	R4	Residential	LKD	W5 W6	239° 149°	93.00	49.00	44.00	0.53	28.00	11.00	17.00	0.39
	R5	Residential	Bedroom	W7	149°	72.00	20.00	52.00	0.28	27.00	6.00	21.00	0.22
	R6	Residential	Bedroom	W8	149°	70.00	23.00	47.00	0.33	27.00	6.00	21.00	0.22
	R7	Residential	LKD	W9	149°	67.00	26.00	41.00	0.39	25.00	6.00	19.00	0.24
	R8	Residential	Bedroom	W10	149°	65.00	31.00	34.00	0.48	25.00	8.00	17.00	0.32
	R9	Residential	Bedroom	W11	149°	63.00	29.00	34.00	0.46	25.00	8.00	17.00	0.32
	R10	Residential	LKD	W12	149°	61.00	29.00	32.00	0.48	25.00	7.00	18.00	0.28
	R11	Residential	Bedroom	W13	149°	56.00	28.00	28.00	0.50	22.00	7.00	15.00	0.32
	R12	Residential	Bedroom	W14	149°	51.00	28.00	23.00	0.55	20.00	7.00	13.00	0.35
	R13	Residential	LKD	W15	149°	44.00	24.00	20.00	0.55	16.00	4.00	12.00	0.25
	R14	Residential	Bedroom	W16	149°	37.00	23.00	14.00	0.62	12.00	3.00	9.00	0.25

Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	Window Orientation	Total Suns per Room Annual Existing	Total Suns per Room Annual Proposed	Annual Suns Lost	Annual Pr/Ex	Total Suns per Room Winter Existing	Total Suns per Room Winter Proposed	Wnter Suns Lost	Wnter Pr/Ex
	R15	Residential	Bedroom	W17	149°	35.00	25.00	10.00	0.71	10.00	3.00	7.00	0.30
	R19	Residential	LKD	W21 W22	329°N 239°	56.00	19.00	37.00	0.34	18.00	2.00	16.00	0.11
	R20	Residential	Bedroom	W23	239°	63.00	15.00	48.00	0.24	22.00	6.00	16.00	0.27
	R21	Residential	Bedroom	W24	239°	64.00	14.00	50.00	0.22	22.00	6.00	16.00	0.27
	R22	Residential	LKD	W25	239°	64.00	20.00	44.00	0.31	22.00	10.00	12.00	0.45
	R23	Residential	Bedroom	W26	239°	65.00	24.00	41.00	0.37	22.00	12.00	10.00	0.55
	R24	Residential	LKD	W27 W28 W29	239° 239° 136°	99.00	70.00	29.00	0.71	29.00	25.00	4.00	0.86
Ninth	R1	Residential	LKD	W1 W2	329°N 239°	67.00	59.00	8.00	0.88	22.00	16.00	6.00	0.73
	R2	Residential	Bedroom	W3	239°	67.00	57.00	10.00	0.85	22.00	16.00	6.00	0.73
	R3	Residential	Bedroom	W4	239°	67.00	57.00	10.00	0.85	22.00	16.00	6.00	0.73
	R4	Residential	LKD	W5 W6	239° 149°	93.00	50.00	43.00	0.54	28.00	11.00	17.00	0.39
	R5	Residential	Bedroom	W7	149°	76.00	23.00	53.00	0.30	28.00	6.00	22.00	0.21
	R6	Residential	Bedroom	W8	149°	75.00	28.00	47.00	0.37	28.00	7.00	21.00	0.25
	R7	Residential	LKD	W9	149°	73.00	32.00	41.00	0.44	26.00	7.00	19.00	0.27
	R8	Residential	Bedroom	W10	149°	69.00	35.00	34.00	0.51	25.00	8.00	17.00	0.32
	R9	Residential	Bedroom	W11	149°	68.00	34.00	34.00	0.50	25.00	8.00	17.00	0.32
	R10	Residential	LKD	W12	149°	64.00	33.00	31.00	0.52	25.00	7.00	18.00	0.28
	R11	Residential	Bedroom	W13	149°	60.00	34.00	26.00	0.57	22.00	7.00	15.00	0.32
	R12	Residential	Bedroom	W14	149°	57.00	37.00	20.00	0.65	20.00	8.00	12.00	0.40
	R13	Residential	LKD	W15	149°	51.00	32.00	19.00	0.63	16.00	4.00	12.00	0.25
	R14	Residential	Bedroom	W16	149°	45.00	32.00	13.00	0.71	12.00	3.00	9.00	0.25
	R15	Residential	Bedroom	W17	149°	43.00	32.00	11.00	0.74	11.00	3.00	8.00	0.27
	R19	Residential	LKD	W21 W22	329°N 239°	57.00	20.00	37.00	0.35	18.00	2.00	16.00	0.11
	R20	Residential	Bedroom	W23	239°	65.00	17.00	48.00	0.26	22.00	6.00	16.00	0.27
	R21	Residential	Bedroom	W24	239°	65.00	15.00	50.00	0.23	22.00	6.00	16.00	0.27
	R22	Residential	LKD	W25	239°	67.00	21.00	46.00	0.31	22.00	10.00	12.00	0.45
	R23	Residential	Bedroom	W26	239°	67.00	24.00	43.00	0.36	22.00	12.00	10.00	0.55
	R24	Residential	LKD	W27 W28 W29	239° 239° 136°	99.00	70.00	29.00	0.71	29.00	25.00	4.00	0.86
Tenth	R1	Residential	Bedroom	W1	239°	67.00	60.00	7.00	0.90	22.00	16.00	6.00	0.73
	R2	Residential	LKD	W2 W3	239° 239°	67.00	55.00	12.00	0.82	22.00	13.00	9.00	0.59
	R3	Residential	Bedroom	W4	239°	67.00	46.00	21.00	0.69	22.00	10.00	12.00	0.45
	R4	Residential	Bedroom	W5	149°	78.00	39.00	39.00	0.50	27.00	7.00	20.00	0.26
	R5	Residential	LKD	W6 W7	149° 149°	77.00	50.00	27.00	0.65	27.00	11.00	16.00	0.41
	R6	Residential	Bedroom	W8	149°	75.00	49.00	26.00	0.65	25.00	9.00	16.00	0.36
	R7	Residential	Bedroom	W9	149°	73.00	49.00	24.00	0.67	25.00	8.00	17.00	0.32
	R8	Residential	LKD	W10 W11	149° 149°	72.00	57.00	15.00	0.79	24.00	13.00	11.00	0.54
	R9	Residential	LKD	W12 W13	149° 149°	66.00	53.00	13.00	0.80	18.00	6.00	12.00	0.33
	R10	Residential	Bedroom	W14	149°	63.00	55.00	8.00	0.87	14.00	6.00	8.00	0.43
	R14	Residential	LKD	W18 W19	329°N 239°	59.00	24.00	35.00	0.41	18.00	2.00	16.00	0.11
	R15	Residential	Bedroom	W20	239°	66.00	19.00	47.00	0.29	22.00	6.00	16.00	0.27
	R16	Residential	Bedroom	W21	239°	67.00	18.00	49.00	0.27	22.00	6.00	16.00	0.27

Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	Window Orientation	Total Suns per Room Annual Existing	Total Suns per Room Annual Proposed	Annual Suns Lost	Annual Pr/Ex	Total Suns per Room Winter Existing	Total Suns per Room Winter Proposed	Wnter Suns Lost	Winter Pr/Ex
	R17	Residential	LKD	W22	239°	67.00	21.00	46.00	0.31	22.00	10.00	12.00	0.45
	R18	Residential	Bedroom	W23	239°	67.00	24.00	43.00	0.36	22.00	12.00	10.00	0.55
	R19	Residential	LKD	W24 W25 W26	239° 239° 136°	99.00	70.00	29.00	0.71	29.00	25.00	4.00	0.86
Eleventh	R4	Residential	LKD	W4 W5	329°N 239°	60.00	27.00	33.00	0.45	18.00	2.00	16.00	0.11
	R5	Residential	Bedroom	W6	239°	67.00	22.00	45.00	0.33	22.00	6.00	16.00	0.27
	R6	Residential	Bedroom	W7	239°	67.00	20.00	47.00	0.30	22.00	6.00	16.00	0.27
	R7	Residential	LKD	W8	239°	67.00	23.00	44.00	0.34	22.00	10.00	12.00	0.45
	R8	Residential	Bedroom	W9	239°	67.00	26.00	41.00	0.39	22.00	12.00	10.00	0.55
	R9	Residential	LKD	W10 W11 W12	239° 239° 136°	99.00	72.00	27.00	0.73	29.00	25.00	4.00	0.86
Twelfth	R1	Residential	LKD	W1 W2	316°N 239°	67.00	45.00	22.00	0.67	22.00	6.00	16.00	0.27
	R2	Residential	Bedroom	W3	239°	67.00	38.00	29.00	0.57	22.00	11.00	11.00	0.50
	R3	Residential	Bedroom	W4	239°	67.00	36.00	31.00	0.54	22.00	12.00	10.00	0.55
	R4	Residential	LKD	W5 W6	239° 136°	100.00	76.00	24.00	0.76	29.00	25.00	4.00	0.86

Project Name: Rochdale Road P2 REV01
Project No.: 2257
Report Title: Daylight & Sunlight - Neighbour Analysis



Floor Ref.	Room Ref.	Property Type	Room Use.	Window Ref.	Window Orientation	Total Suns per Room Annual Existing	Total Suns per Room Annual Proposed	Annual Suns Lost	Annual Pr/Ex	Total Suns per Room Winter Existing	Total Suns per Room Winter Proposed	Wnter Suns Lost	Winter Pr/Ex
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