



Pentavia, Mill Hill

London NW7 2ET

Daylight, Sunlight &
Overshadowing

Date: 22/03/19

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1.0 INTRODUCTION

Delva Patman Redler LLP have been instructed by Meadow Residential to assess the impact of the proposed development on the site known as Pentavia Retail Park, Watford Way, for daylight, sunlight and overshadowing to neighbouring residential properties.

This study has been carried out in accordance with the recommendations of the Building Research Establishment Report "Site Layout Planning for Daylight & Sunlight 2011" (BRE209).

The template drawings, which are attached, illustrate the results for the daylight, sunlight and overshadowing assessments and identify the drawings used in these studies.

2.0 THE PROPOSAL

The proposed development consists of the redevelopment of site including the demolition of all existing buildings and construction of 844 new Build to Rent Class C3 residential units and 894sqm ancillary Class C3 Build to Rent facilities; 405sqm Class A1 Retail; 326sqm Class A3 and A4 food; and 297sqm Class D1 Community; new pedestrian access off Bunns Lane; open space, landscaping; car parking; and highway/pedestrian improvements.

The 844 dwellings are made up of 123 three bed dwellings, 436 two bed dwellings and 281 one bed and 4 studio dwellings.

3.0 POLICY / GUIDELINES

This study has been carried out in accordance with the recommendations of the Building Research Establishment report "Site Layout Planning for Daylight & Sunlight 2011". This is the recognised standard against which daylight and sunlight should be assessed.

The BRE guide is intended for building designers and their clients, consultants and planning officials. The advice given is not mandatory and the report should not be seen as a part 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 lighting is only one of the many factors in site layout design. In certain circumstances, the developer or planning authority may wish to use alternative target values.

Whilst technical analysis can be carried out in accordance with numerical guidelines and reported factually by comparison with those guidelines, the final assessment as to whether affected dwellings are left with acceptable amounts of daylight and sunlight in an inner-city context where the findings are to be interpreted in a flexible manner is a matter of subjective opinion.

4.0 METHODOLOGY

The daylight and sunlight assessments have been undertaken in accordance with the Building Research Establishment (BRE) guidelines "Site Layout Planning for Daylight & Sunlight. A Guide to Good Practice".

The BRE Report advises that daylight levels should be assessed for the main habitable rooms of neighbouring residential properties. Habitable rooms in residential properties are defined as kitchens, living rooms and dining rooms. Bedrooms are less important as they are mainly occupied at night time.



DAYLIGHT

The BRE Guide states that:

“If, for any part of the new development, the angle from the centre of the lowest affected window to the head of the new development is more than 25°, then a more detailed check is needed to find the loss of skylight to the existing buildings.”

The BRE guidelines propose several methods for calculating daylight. The two main methods predominantly used are those involving the measurement of the total amount of skylight available (the vertical sky component (VSC)) and its distribution within the building (the No-Sky line or daylight distribution).

The VSC calculation is a general test of potential for daylight to a building, measuring the light available on the outside plane of windows.

The “No-Sky” Line divides those areas of the working plane which can receive direct skylight, from those which cannot. It provides an indication of how good the daylight distribution is within a room.

The third recognised method of assessment for daylight is the Average Daylight Factor (ADF) calculation which assesses the quality and distribution of light within a room served by a window and considers the VSC value, the size and number of the windows and room and the use to which the room is put. ADF assesses actual light distribution within a defined room area whereas the VSC considers potential light. British Standard 8206, Code of Practice for Daylighting recommends ADF values of 1% in bedrooms, 1.5% in living rooms and 2% in kitchens. For other uses, where it is expected that supplementary electric lighting will be used throughout the daytime, such as in offices, the ADF value should be 2%. There is no general requirement within the BRE guidelines to assess ADF values, other than for neighbouring residential buildings.

For the purposes of this report all three methods of assessment have been considered.

SUNLIGHT

The BRE have produced sunlight templates for London, Manchester and Edinburgh indicating the Annual Probable Sunlight Hours (APSH) for these regions. The London template has been selected for this study as the London indicator template is the closest of the three available from BRE in terms of latitude.

Sunlight analysis is undertaken by measuring annual probable sunlight hours (APSH) for the main windows of rooms which face within 90° of due south. The maximum number of annual probable sunlight hours for the London orientation is 1,486 hours. The BRE guidelines propose that the appropriate date for undertaking a sunlight assessment is on 21st March, being the spring equinox. Calculations of both summer and winter availability are made with the winter analysis covering the period from the 21st September to 21st March. For residential accommodation, the main requirement for sunlight is in living rooms and it is regarded as less important in bedrooms and kitchens.

Due to orientation and room use not all windows assessed for daylight qualify for sunlight assessment in accordance with BRE Guidance.

All relevant neighbouring residential buildings within the vicinity of the site have been included as part of these assessments. For both daylight and where relevant sunlight as illustrated on site plan dwg no: 16336/LOC/DS/804 and the window location drawings dwg no's: 16336/LOC/841 - 849 attached in appendix A.



OVERSHADOWING

The BRE advises that amenity spaces such as gardens, parks and children's playgrounds should be considered for overshadowing assessments. It recommends that at least half of the amenity areas considered should receive at least two hours of sunlight on 21st March.

5.0 ASSUMPTIONS MADE

- Access has not been sought into any of the neighbouring properties and we have made reasonable assumptions as to the rooms configurations and layouts of neighbouring properties. Where no information has been available, we have adopted a standard 4m deep room for residential premises where applicable. Where floor plans have been obtained these have been adopted for analysis purposes. Properties where layouts have been obtained include:

Site	Address	Information Obtained
1	Palmerstone Court (Churchill Place)	Floor Plans & Elevations
11	40 Brancaster Drive	Floor Plans
16	10 Brancaster Drive	Floor Plans

- All layouts adopted are subject to confirmation following access.
- Floor levels for the neighbouring properties have been assumed using reasonable assumptions.
- Windows at property numbers 2-48 on dwg no: 16336/LOC/DS/804 have been built in from online photography only.

6.0 SOURCE DATA

The studies have been undertaken by calculating the daylight & sunlight based on the template drawings provided within the BRE Guide. The study was undertaken with plan drawings derived from:

- Existing and surround buildings:
3D Z Map Model
- Proposed Scheme:
Arney Fender Katsalidis Architects:
Dwg No's:
3D model received 13/02/2019 – AFK_A_44032_MH_3D Mill Hill
GA_Level 00_Overall Plan – A10-00-01-P1, GA_Level 01_Overall Plan – A10-01-01-P1

7.0 SIGNIFICANCE CRITERIA

The guidance given by BRE has been used as a basis for the criteria to assess the Development's potential effects.

In describing the significance criteria as set out below, it should be noted that they have been developed to protect residential properties, which are the most sensitive receptors.



TABLE 1: BRE DAYLIGHT GUIDANCE USED IN THE ASSESSMENT

Issue	Criteria
Daylight	A window may be affected if the vertical sky component (VSC) measured at the centre of the window is less than 27% and less than 0.8 times its former value.
	A room may be adversely affected if a significant area of the room is beyond the No-Sky Line and is less than 0.8 times its former value.
	A room may be adversely affected if the average daylight factor (ADF) is less than 1% for a bedroom, 1.5% for a living room or 2% for a kitchen.
Sunlight	Sunlight will be adversely affected if the centre of the window will: <ul style="list-style-type: none"> • receive less than 25% of annual probable sunlight hours (APSH) or less than 5% APSH during the winter months (21 September to 21 March) and • less than 0.8 times its former sunlight hours during either period and • the reduction in sunlight over the whole year will be greater than 4% APSH.
Overshadowing	At least half of the amenity areas should receive at least two hours of sunlight on 21 st March.

8.0 BASELINE CONDITIONS

An analysis of the impact of the existing buildings (the baseline conditions) against which to compare any potential impact arising from the development has been undertaken based on dwg no: 16336/SPT/804 in Appendix A.

The site is currently used as a retail park with the main bulk of the massing situated to the north of the development site, with the southern part used for car parking. The site is bound by the M1 to the west and the A1 to the east, as a result of this, there are limited residential properties and amenity area situated close to the development site.

The findings from the technical assessments can be seen from the results, both in graphical and tabular form, in the Technical Appendices A - D.

An analysis of the existing daylight and sunlight levels enjoyed by the neighbouring residential amenity has been undertaken to provide a baseline against which the impacts arising from the proposed development can be assessed.

9.0 RESULTS – COMPLETED DEVELOPMENT

NEIGHBOURING DAYLIGHT – VSC

The full results of the daylight analysis are presented in Appendix B in tabular form. A summary of the results of the Vertical Sky Component (VSC) analysis on the relevant overlooking windows are presented in the Table 2 below. This identifies where habitable rooms are left with adequate light.

TABLE 2: NUMBER OF ROOMS EXPERIENCING DAYLIGHT IMPACTS AS A RESULT OF THE DEVELOPMENT (VSC METHOD)

Address	Total Number of Rooms Tested	Rooms Meeting BRE Guidelines For VSC	Number of Rooms Experiencing Adverse Impacts		
			20-29.9% reduction (minor adverse impact)	30-39.9% reduction (moderate adverse impact)	>40% reduction (substantial adverse impact)
Palmerstone Court	9	9	0	0	0
82 Bunns Lane	4	3	1	0	0
80 Bunns Lane	3	3	0	0	0



78 Bunns Lane	3	3	0	0	0
76 Bunns Lane	3	3	0	0	0
Farmhouse Court, 19-24 Bunns Lane	12	12	0	0	0
Farmhouse Court, 13-18 Bunns Lane	12	12	0	0	0
Farmhouse Court, 7-12 Bunns Lane	12	12	0	0	0
Farmhouse Court, 1-6 Bunns Lane	12	12	0	0	0
42 Brancaster Drive	1	1	0	0	0
40 Brancaster Drive	1	1	0	0	0
6 Briston Mews	1	1	0	0	0
16 Brancaster Drive	4	4	0	0	0
14 Brancaster Drive	3	3	0	0	0
12 Brancaster Drive	3	3	0	0	0
10 Brancaster Drive	4	4	0	0	0
13 Lancaster Close	2	2	0	0	0
18-30 Lancaster Close	42	42	0	0	0
1-26 Cranwell Court	12	12	0	0	0
1-33 Grahame Park Way	33	33	0	0	0
Total	176	176	0	0	0

Table 2 shows that 176 (100%) of the 176 rooms assessed will all comfortably remain compliant with the BRE Guidelines in Vertical Sky Component terms.

NEIGHBOURING DAYLIGHT – NO SKY LINE (NSL)

The full results of the daylight analysis are presented in Appendix B in tabular form. A summary of the results of the No Sky Line (NSL) analysis on the relevant overlooking windows are presented in the Table 3 below. This identifies where habitable rooms/windows are left with adequate light.

TABLE 3: NUMBER OF ROOMS EXPERIENCING DAYLIGHT IMPACTS AS A RESULT OF THE DEVELOPMENT (NSL METHOD)

Address	Total Number of Rooms Tested	Rooms Meeting BRE Guidelines For NSL	Number of Rooms Experiencing Adverse Impacts		
			20-29.9% reduction (minor adverse impact)	30-39.9% reduction (moderate adverse impact)	>40% reduction (substantial adverse impact)
Palmerstone Court	9	9	0	0	0
82 Bunns Lane	4	3	0	1	0
80 Bunns Lane	3	3	0	0	0
78 Bunns Lane	3	3	0	0	0
76 Bunns Lane	3	3	0	0	0
Farmhouse Court, 19-24 Bunns Lane	12	12	0	0	0
Farmhouse Court, 13-18 Bunns Lane	12	12	0	0	0
Farmhouse Court, 7-12 Bunns Lane	12	12	0	0	0
Farmhouse Court, 1-6 Bunns Lane	12	12	0	0	0
42 Brancaster Drive	1	1	0	0	0



40 Brancaster Drive	1	1	0	0	0
6 Briston Mews	1	1	0	0	0
16 Brancaster Drive	4	4	0	0	0
14 Brancaster Drive	3	3	0	0	0
12 Brancaster Drive	3	3	0	0	0
10 Brancaster Drive	4	4	0	0	0
13 Lancaster Close	2	2	0	0	0
18-30 Lancaster Close	42	34	8	0	0
1-26 Cranwell Court	12	12	0	0	0
1-33 Grahame Park Way	33	33	0	0	0
Total	176	167	8	1	0

Table 3 shows that 168 out of the 176 (95.5%) rooms assessed will fully comply with the BRE Guidelines in Daylight Distribution terms.

The rooms which fall below this guideline still retain a proposed figure of over 65% in the proposed situation. This is considered to be minor adverse impacts of the BRE Guidelines and in addition these rooms comfortably comply in both the primary method of the Vertical Sky Component (VSC) and Average Daylight Factor (ADF) methods of assessment.

NEIGHBOURING DAYLIGHT – AVERAGE DAYLIGHT FACTOR (ADF)

The full results of the daylight analysis are presented in Appendix B in tabular form. A summary of the results of the Average Daylight Factor (ADF) analysis on the relevant overlooking windows are presented in the Table 4 below. This identifies where habitable rooms/windows are left with adequate light.

TABLE 4: NUMBER OF ROOMS EXPERIENCING DAYLIGHT IMPACTS AS A RESULT OF THE DEVELOPMENT (ADF METHOD)

Address	Total Number of Rooms Tested	Rooms Meeting BRE Guidelines For ADF	Number of Rooms Experiencing Adverse Impacts		
			20-29.9% reduction (minor adverse impact)	30-39.9% reduction (moderate adverse impact)	>40% reduction (substantial adverse impact)
Palmerstone Court	9	9	0	0	0
82 Bunns Lane	4	3	0	1	0
80 Bunns Lane	3	3	0	0	0
78 Bunns Lane	3	3	0	0	0
76 Bunns Lane	3	3	0	0	0
Farmhouse Court, 19-24 Bunns Lane	12	12	0	0	0
Farmhouse Court, 13-18 Bunns Lane	12	12	0	0	0
Farmhouse Court, 7-12 Bunns Lane	12	12	0	0	0
Farmhouse Court, 1-6 Bunns Lane	12	12	0	0	0
42 Brancaster Drive	1	1	0	0	0
40 Brancaster Drive	1	1	0	0	0
6 Briston Mews	1	1	0	0	0
16 Brancaster Drive	4	4	0	0	0



14 Brancaster Drive	3	3	0	0	0
12 Brancaster Drive	3	3	0	0	0
10 Brancaster Drive	4	4	0	0	0
13 Lancaster Close	2	2	0	0	0
18-30 Lancaster Close	42	34	0	0	0
1-26 Cranwell Court	12	12	0	0	0
1-33 Grahame Park Way	33	33	0	0	0
Total	176	176	0	0	0

Table 4 shows that all 176 (100%) rooms assessed will fully comply with the BRE Guidelines in ADF terms.

Overall the daylight analysis demonstrates that generally the quality, quantity and distribution of light within the neighbouring rooms will remain adequate for an urban location such as this.

NEIGHBOURING SUNLIGHT – APSH

The full results of the sunlight analysis are presented in Appendix B in tabular form. A summary of the results of the Annual Probable Sunlight Hours (APSH) analysis on the relevant overlooking windows are presented in the Table 5 below. This identifies where habitable rooms are left with adequate light.

TABLE 5: NUMBER OF WINDOWS EXPERIENCING SUNLIGHT IMPACTS AS A RESULT OF THE DEVELOPMENT (APSH METHOD)

Address	Total Number of Windows Tested	Windows Meeting BRE Guidelines for APSH	Number of Windows Experiencing Impacts beyond BRE Guidance
Palmerstone Court	18	18	0
82 Bunns Lane	8	8	0
80 Bunns Lane	7	7	0
78 Bunns lane	7	7	0
76 Bunns Lane	7	7	0
Farmhouse Court, 19-24 Bunns Lane	12	12	0
Farmhouse Court, 13-18 Bunns Lane	12	12	0
Farmhouse Court, 7-12 Bunns Lane	12	12	0
Farmhouse Court, 1-6 Bunns Lane	12	12	0
14 Brancaster Drive	1	1	0
12 Brancaster Drive	2	2	0
Total	98	98	0

Table 5 shows that all windows considered will comfortably comply with the BRE Guidelines in APSH terms.

Overall the sunlight analysis demonstrates that the quality of sunlight within the neighbouring rooms will remain fully BRE compliant in APSH terms.

INTERNAL DAYLIGHT ADEQUACY (SELF-TEST) – AVERAGE DAYLIGHT FACTOR (ADF)

The proposed development is split into 18 blocks from Blocks A-R inclusive. The ground and first floors of each block have been assessed to illustrate the design compliance of the current proposals



and can be seen on dwg no's 16336/LOC/850 - 855 in Appendix C. Within each block these levels are the lowest levels of residential accommodation. Above these floor levels, the lighting levels will naturally improve and therefore the analysis within this report can be said to consider the 'worst case scenario' levels within each block only.

It is recognised that there are 204 single aspect north facing units (24.1%). These are situated exclusively within blocks A, C, E, G, J, L, N, Q and R. This is as a result of the constraints and location of the site. Arney Fender Katsalidis Architects have designed each of the units to ensure the outlook for the units main living areas is not over the M1 motorway and utilises the central amenity spaces instead.

The analysis demonstrates that of the 489 rooms assessed at ground and first floors throughout the 18 blocks that 346 rooms (70.8%) will comfortably comply with the BRE guidelines for internal daylight adequacy.

Overall the assessment demonstrates that although there are a small number of infringements which are primarily due to the inherent restrictions placed on the development that the quality, quantity and distribution of light within the proposed rooms will generally remain BRE compliant.

OVERSHADOWING

The BRE Guideline suggest that at least half of the amenity areas should receive at least two hours of sunlight to be considered compliant.

Drawing 16336/SHD/523 - 529 in Appendix D shows the amenity areas within the scheme itself and the central public square hatching the areas which receive at least two hours of sunlight on 21 March. This assessment demonstrates that 68% of all amenity spaces will meet the BRE Guidelines.

10.0 CONCLUSIONS

The site is currently used as a retail park with the main bulk of the massing situated to the north of the development site, with the southern part used for car parking. The site is bound by the M1 to the west and the A1 to the east, as a result of this, there are limited residential properties and amenity area situated close to the development site.

To assess the potential impact of the Development on daylight and sunlight on neighbouring properties a baseline assessment was undertaken. The methods of assessment used were the Vertical Sky Component (VSC), No Sky Line (NSL) and Average Daylight Factor (ADF) for daylight and Annual Probable Sunlight Hours (APSH) for sunlight.

Overall the neighbouring daylight analysis illustrates that despite 9 isolated infringements of daylight in daylight distribution (No Sky Line) analysis, generally the quality, quantity and distribution of light within the neighbouring rooms will remain fully BRE compliant.

The sunlight analysis demonstrates that overall the amount of sunlight received by the neighbouring properties will remain fully BRE compliant.

The internal daylight adequacy analysis of the scheme demonstrates that 70.8% of all rooms within the ground and first floor levels of the 18 blocks will comply with the BRE target values.

The overshadowing results show that the proposed amenity areas will comply with the guidance outlined in the BRE.

Overall, the analysis undertaken demonstrates that given the approach recommended by the BRE guidelines, that the proposed development will have a negligible impact on the residential amenity



adjacent to the development site. The scheme proposals by Arney Fender Katsalidis Architects will generally recognise and observe the intentions of London Borough of Barnet local plan and BRE Guidance 209 in daylight, sunlight and overshadowing terms.

Delva Patman Redler LLP



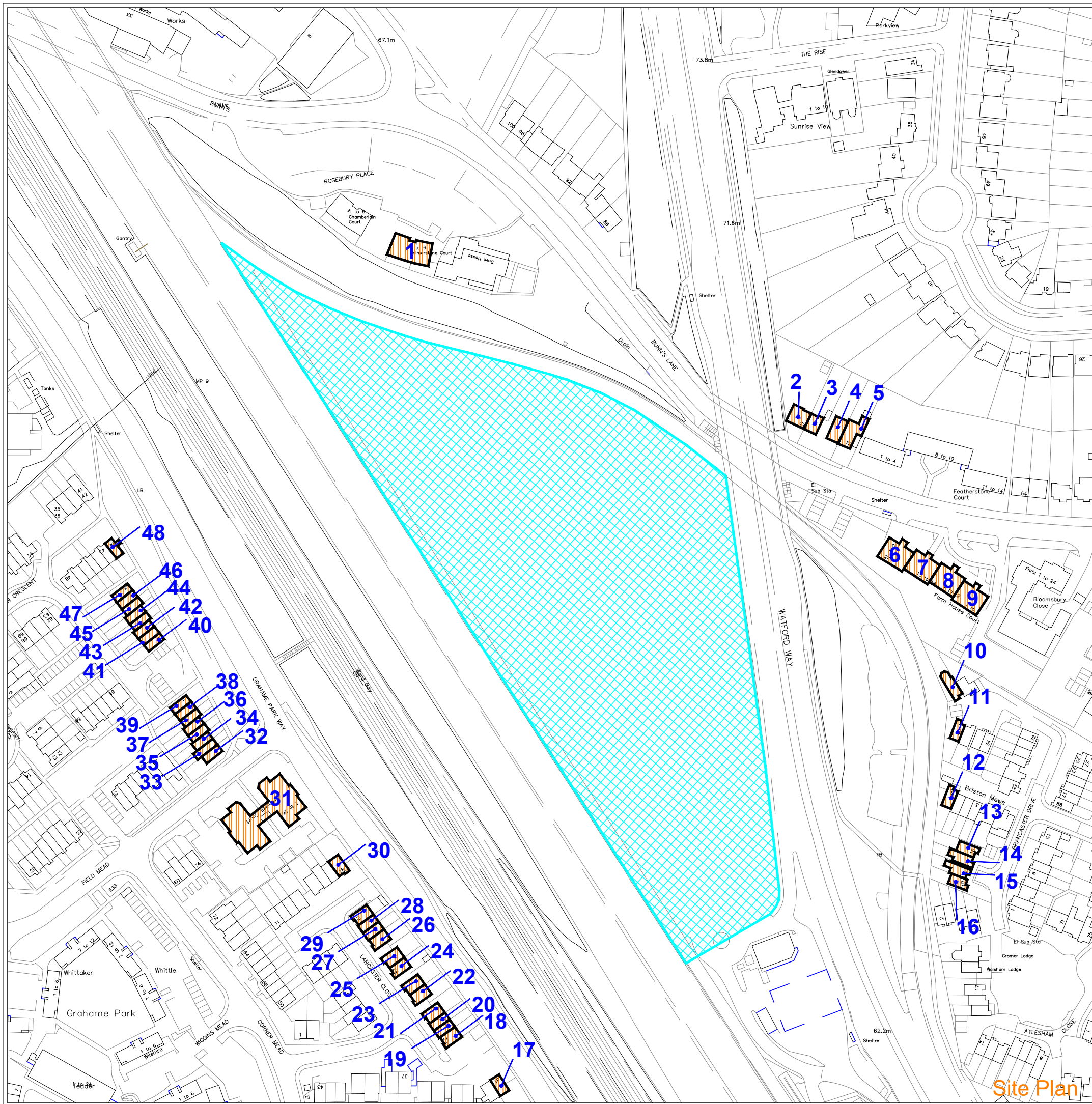
APPENDIX A

LOCATION DRAWINGS

16336/LOC/DS/804 & 16336/LOC/841 – 849

16336/SPT/804





- Development Site:**
Pentavia Retail Park/Watford Way
 Dwg No: 16336/SPT/804
- 1: Palmerstone Court (Churchill Place)
Dwg No: 16336/LOC/841
 - 2: 82 Bunns Lane
Dwg No: 16336/LOC/842
 - 3: 80 Bunns Lane
Dwg No: 16336/LOC/842
 - 4: 78 Bunns Lane
Dwg No: 16336/LOC/842
 - 5: 76 Bunns Lane
Dwg No: 16336/LOC/842
 - 6: 19-24 Farmhouse Court
Dwg No: 16336/LOC/843
 - 7: 13-18 Farmhouse Court
Dwg No: 16336/LOC/843
 - 8: 7-12 Farmhouse Court
Dwg No: 16336/LOC/843
 - 9: 1-6 Farmhouse Court
Dwg No: 16336/LOC/843
 - 10: 42 Brancaster Drive
Dwg No: 16336/LOC/844
 - 11: 40 Brancaster Drive
Dwg No: 16336/LOC/844
 - 12: 6 Briston Mews
Dwg No: 16336/LOC/844
 - 13: 16 Brancaster Drive
Dwg No: 16336/LOC/845
 - 14: 14 Brancaster Drive
Dwg No: 16336/LOC/845
 - 15: 12 Brancaster Drive
Dwg No: 16336/LOC/845
 - 16: 10 Brancaster Drive
Dwg No: 16336/LOC/845
 - 17: 31 Lancaster Close
Dwg No: 16336/LOC/840
 - 18-30: 18-30 Lancaster Close
Dwg No: 16336/LOC/846
 - 31: 1-26 Cranwell Court
Dwg No: 16336/LOC/847
 - 32-48: 1-33 Grahame Park
Dwg No: 16336/LOC/848-849

Site Plan

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

- Site Boundary
- Residential Buildings

SOURCE DATA

Drawings Used:
OS Map

NOTES

All neighbouring properties considered for analysis.

REV	Description	Drawn	Chk'd	Date

DELVA PATMAN REDLER
Chartered Surveyors

Thavies Inn House
3-4 Holborn Circus
London EC1N 2HA
020 7936 3668
www.delvapatmanredler.co.uk

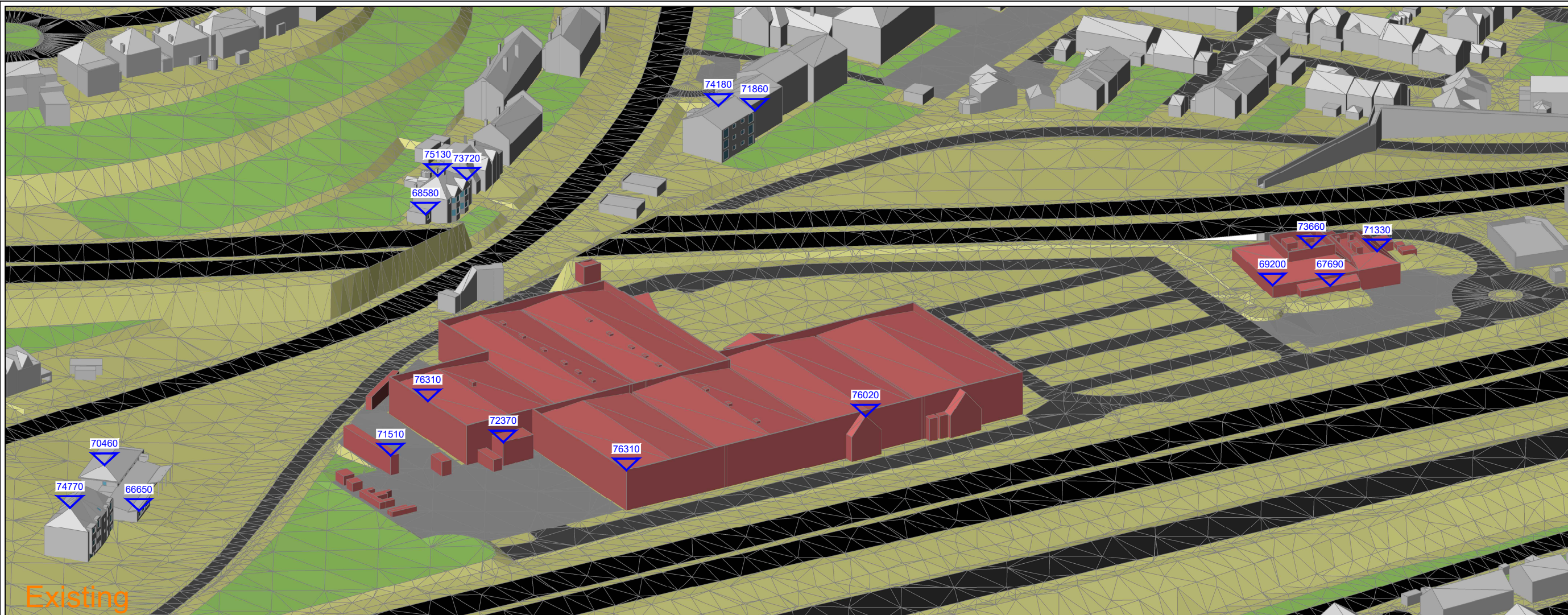
The Plaza
100 Old Hall Street
Liverpool L3 9QJ
0151 242 0980
info@delvapatmanredler.co.uk

TITLE: **PENTAVIA RETAIL PARK
WATFORD WAY
LONDON, NW7**

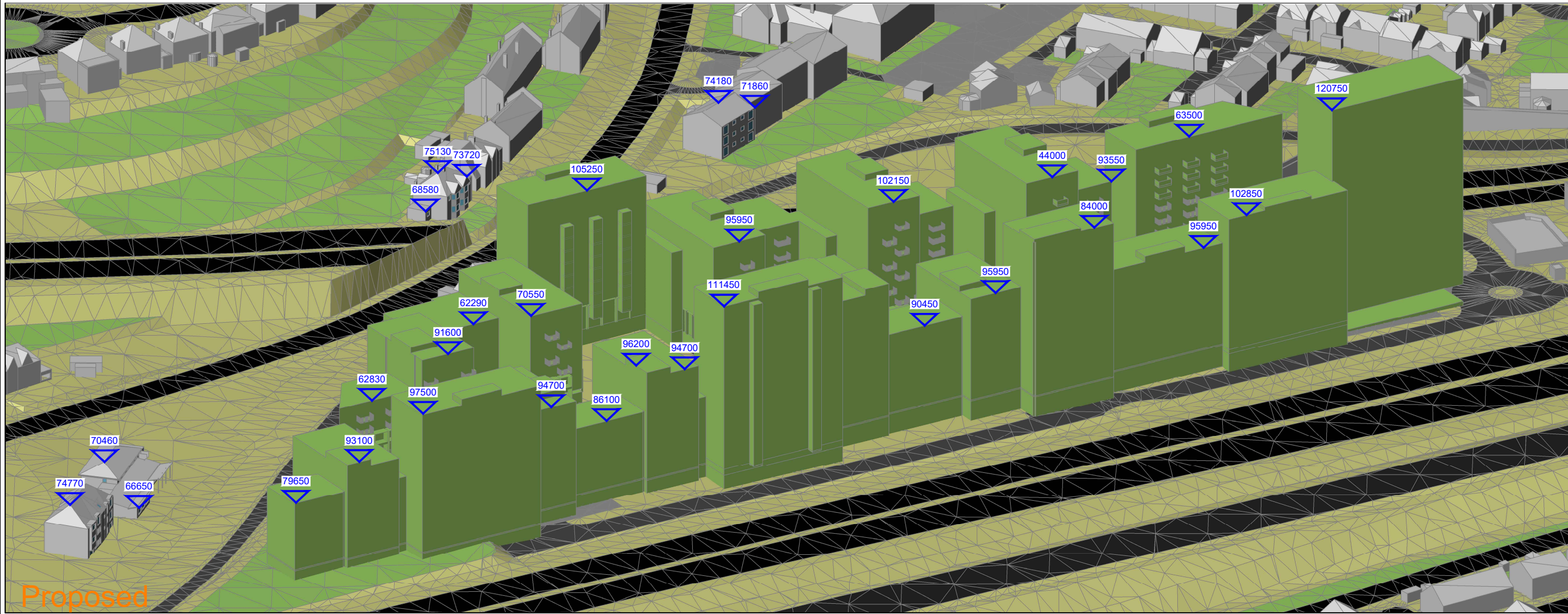
DRAWING:
Pentavia Retail Park - Property Location Plan
Daylight / Sunlight Analysis
Existing & Proposed Schemes

DRAWN: MJ	JOB NO:
SCALE: NTS	16336
DATE: 15/03/2019	

DWG NO: **LOC/DS/804** REV: -



Existing



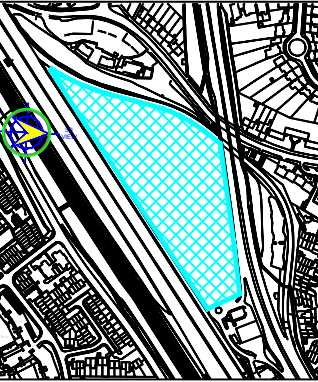
Proposed

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:
 Existing
 Proposed
 Surrounding

SOURCE DATA
 Drawings Used:
 Existing and surrounding buildings:
 ZMapping:
 Proposed Scheme:
 Arney Fender Katsalidis:
 Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
 GA_LEVEL_00_OVERALL PLAN - A10-00-01-P1
 GA_LEVEL_01_OVERALL PLAN - A10-01-01-P1

NOTES
 All heights are measured in mm AOD.

Site Plan



REV	Description	Drawn	Chk'd	Date

DELVA PATMAN REDLER
 Chartered Surveyors

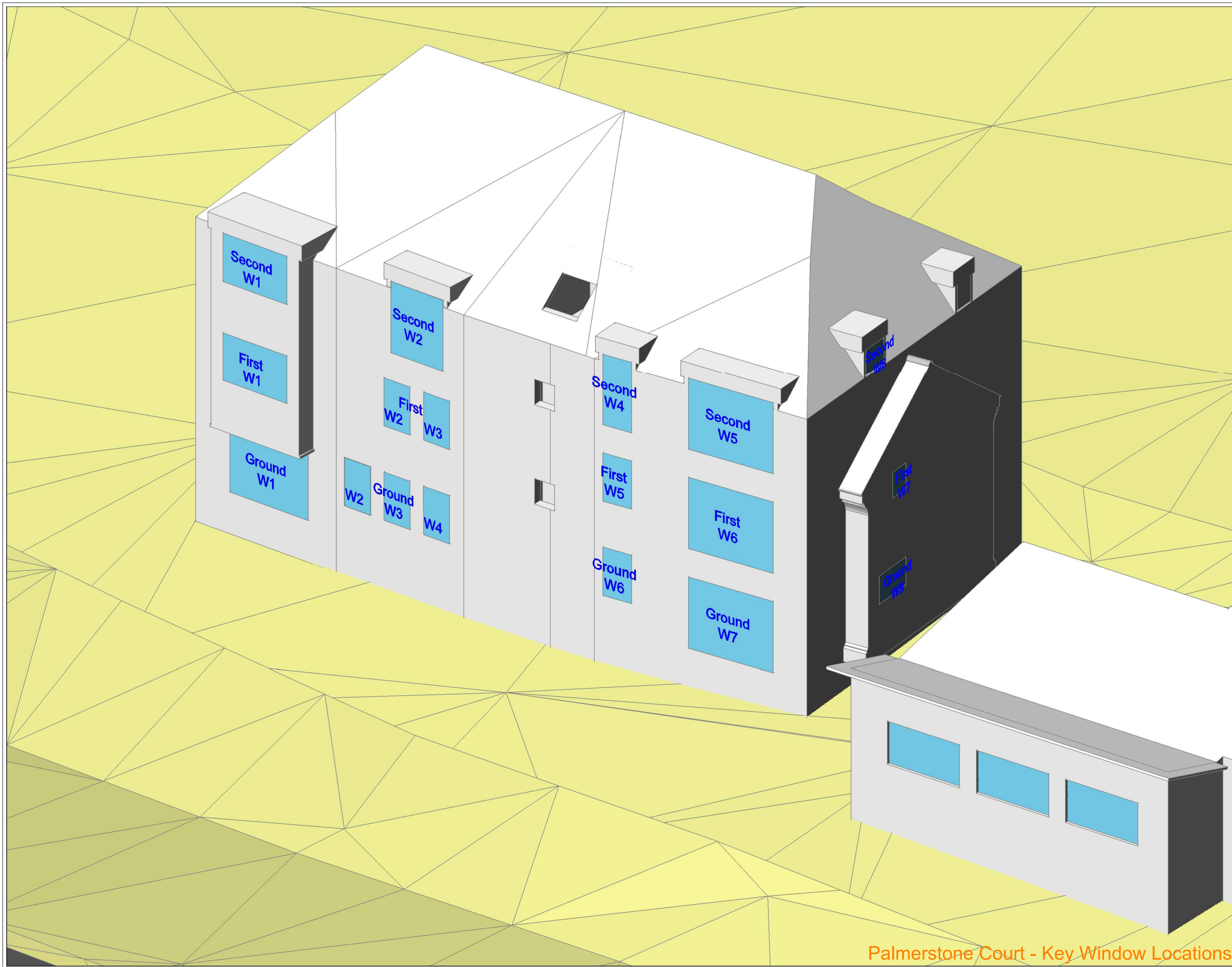
Thavies Inn House
 3-4 Holborn Circus
 London EC1N 2HA
 020 7936 3668
 www.delvapatmanredler.co.uk

The Plaza
 100 Old Hall Street
 Liverpool L3 9QU
 0151 242 0980
 info@delvapatmanredler.co.uk

TITLE:
 PENTAVIA RETAIL PARK
 WATFORD WAY
 LONDON NW7
 MARCH 2019 SCHEME PROPOSAL

DRAWING:
 Pentavia Retail Park
 Existing & Proposed Schemes
 Key Building Heights

DRAWN: MJ	JOB NO:
SCALE: NTS	16336
DATE: 14/03/2019	
DWG NO: SPT/804	REV: -



Palmerstone Court - Key Window Locations

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Existing	Window Tested Daylight only
Proposed	Window Tested Daylight & Sunlight
Surrounding	

W1108
W1108

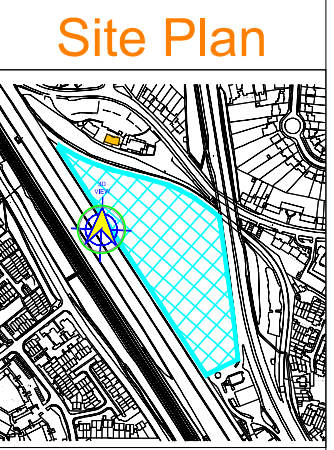
SOURCE DATA

Drawings Used:
Existing and surrounding buildings:
ZMapping:

Proposed Scheme:
Arney Fender Katsalidis:
Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
GA_LEVEL 00_OVERALL PLAN - A10-00-01-P1
GA_LEVEL 01_OVERALL PLAN - A10-01-01-P1

NOTES

Building not accessed to assess internal configuration - room uses assumed.



REV	Description	Drawn	Chk'd	Date

DELVA PATMAN REDLER
Chartered Surveyors

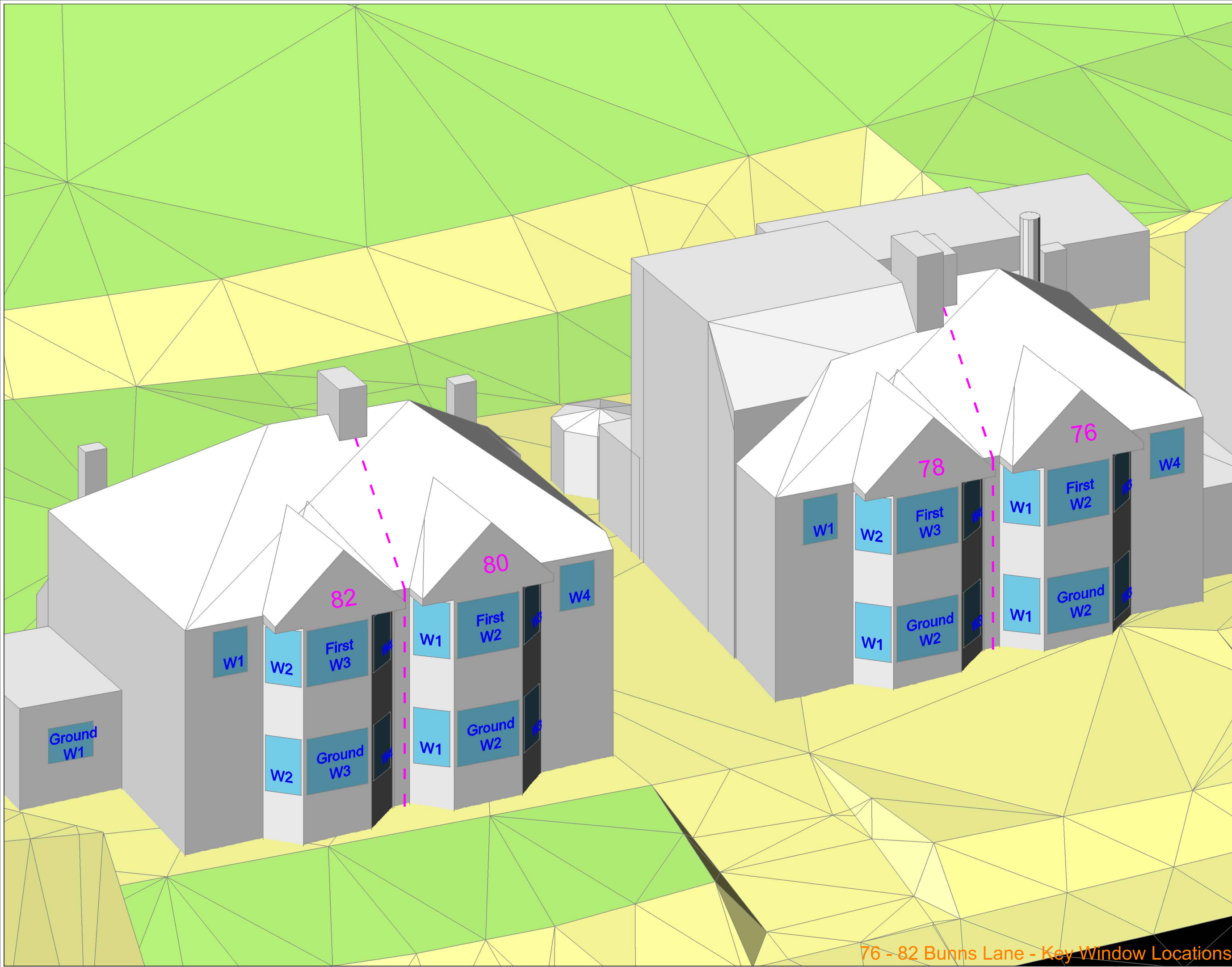
Thavies Inn House 3-4 Holborn Circus London EC1N 2HA 020 7936 3668 www.delvapatmanredler.co.uk	The Plaza 100 Old Hall Street Liverpool L3 9QJ 0151 242 0980 info@delvapatmanredler.co.uk
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TITLE: **PENTAVIA RETAIL PARK
WATFORD WAY
LONDON, NW7**
- **DAYLIGHT / SUNLIGHT ANALYSIS**

DRAWING:
Palmerstone Court
Daylight / Sunlight Analysis
Key Window Locations
-
-
-

DRAWN: MJ	JOB NO:
SCALE: NTS	16336
DATE: 15/03/2019	

DWG NO:	REV:
LOC/841	-



NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:
Indicative

Existing	Window Tested Daylight only
Proposed	Window Tested Daylight & Sunlight
Surrounding	

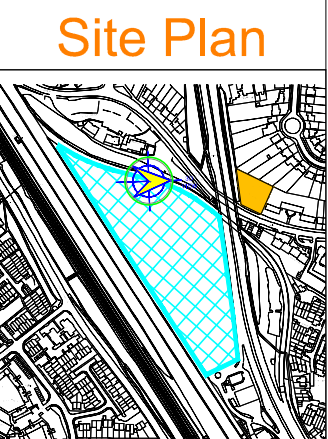
SOURCE DATA

Drawings Used:
Existing and surrounding buildings:
ZMapping:

Proposed Scheme:
Arney Fender Katsalidis:
Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
GA_LEVEL 00_OVERALL PLAN - A10-00-01-P1
GA_LEVEL 01_OVERALL PLAN - A10-01-01-P1

NOTES

Building not accessed to assess internal configuration - room uses assumed.



REV	Description	Drawn	Chk'd	Date

DELVA PATMAN REDLER
Chartered Surveyors

Thavies Inn House
3-4 Holborn Circus
London EC1N 2HA
020 7936 3668
www.delvapatmanredler.co.uk

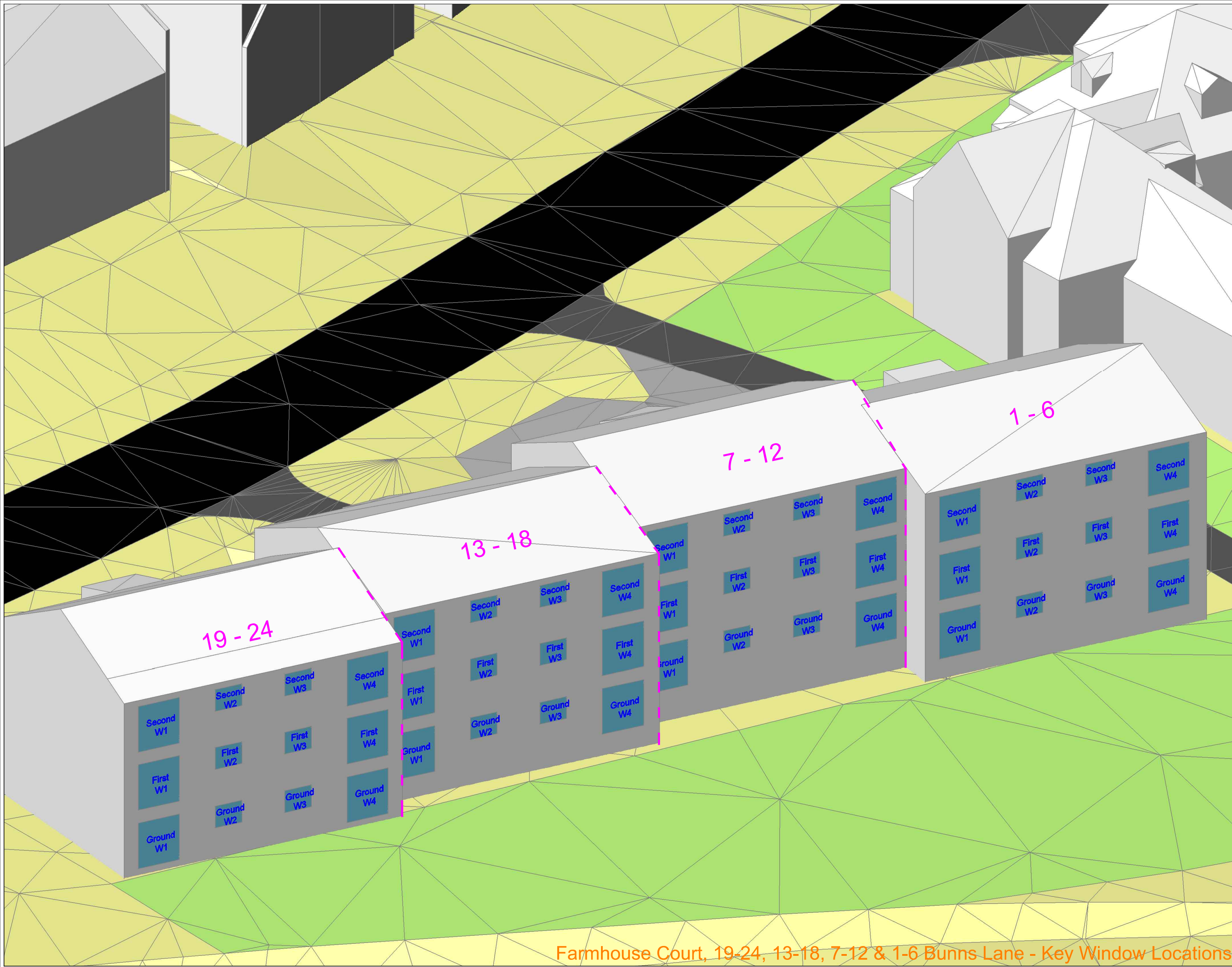
The Plaza
100 Old Hall Street
Liverpool L3 9QJ
0151 242 0980
info@delvapatmanredler.co.uk

TITLE:
PENTAVIA RETAIL PARK
WATFORD WAY
LONDON, NW7
- DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
76 - 82 Bunns Lane
Daylight / Sunlight Analysis
Key Window Locations
-
-

DRAWN: MJ	JOB NO:
SCALE: NTS	16336
DATE: 15/03/2019	
DWG NO: LOC/842	REV: -

76 - 82 Bunns Lane - Key Window Locations



NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Existing	Window Tested Daylight only
Proposed	Window Tested Daylight & Sunlight
Surrounding	

W1108
W1109

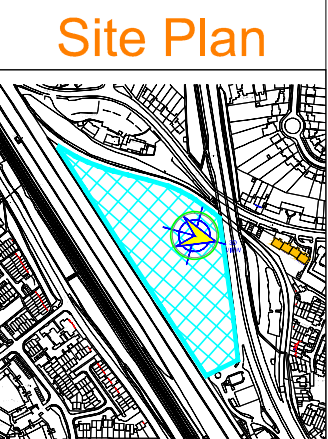
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Drawings Used:
Existing and surrounding buildings:
ZMapping:

Proposed Scheme:
Arney Fender Katsalidis:
Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
GA_LEVEL 00_OVERALL PLAN - A10-00-01-P1
GA_LEVEL 01_OVERALL PLAN - A10-01-01-P1

NOTES

Building not accessed to assess internal configuration - room uses assumed.



Insert Hyperlink

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REV	Description	Drawn	Chk'd	Date

DELVA PATMAN REDLER
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Thavies Inn House
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The Plaza
100 Old Hall Street
Liverpool L3 9QJ
0151 242 0980
info@delvapatmanredler.co.uk

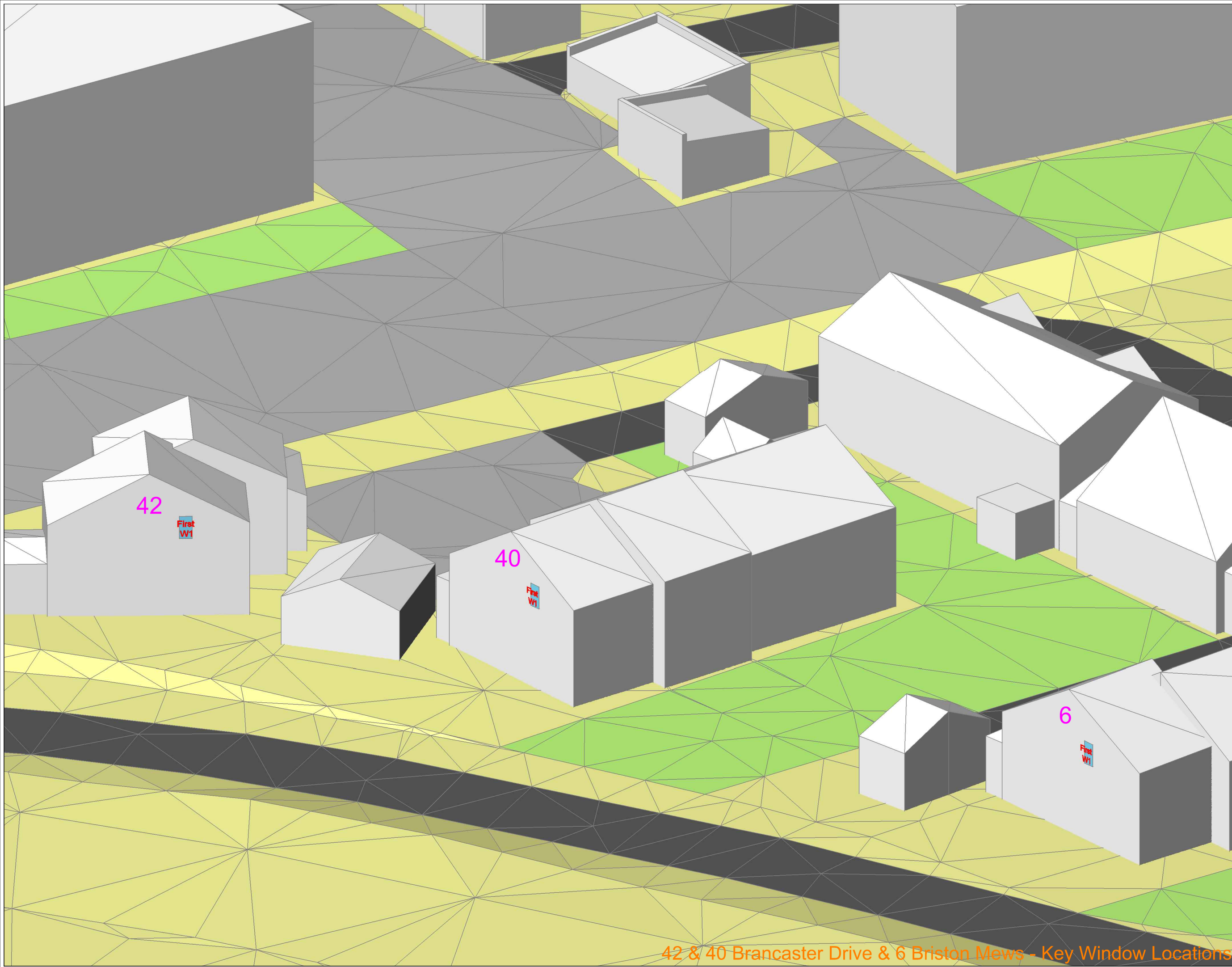
TITLE: PENTAVIA RETAIL PARK
WATFORD WAY
LONDON, NW7
-
DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
Farmhouse Court, 19-24, 13-18, 7-12 & 1-6 Bunns Lane
Daylight / Sunlight Analysis
Key Window Locations
-
-
-

DRAWN: MJ	JOB NO:
SCALE: NTS	16336
DATE: 15/03/2019	

DWG NO: LOC/843 REV: -

Farmhouse Court, 19-24, 13-18, 7-12 & 1-6 Bunns Lane - Key Window Locations



NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Existing	Window Tested Daylight only
Proposed	Window Tested Daylight & Sunlight
Surrounding	

W1/06

SOURCE DATA

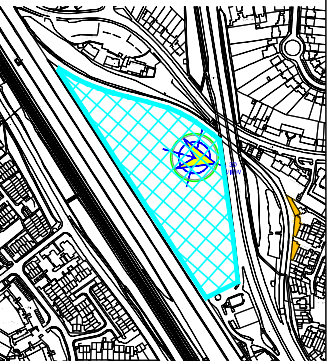
Drawings Used:
Existing and surrounding buildings:
ZMapping:

Proposed Scheme:
Arney Fender Katsalidis:
Dwg No's: AFK_44032_MH_3D Mill Hill (3D)
Model received 13.02.2019)
GA_LEVEL 00_OVERALL PLAN -
A10-00-01-P1
GA_LEVEL 01_OVERALL PLAN -
A10-01-01-P1

NOTES

Building not accessed to assess internal configuration - room uses assumed.

Site Plan



Insert Hyperlink

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REV	Description	Drawn	Chk'd	Date

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Chartered Surveyors

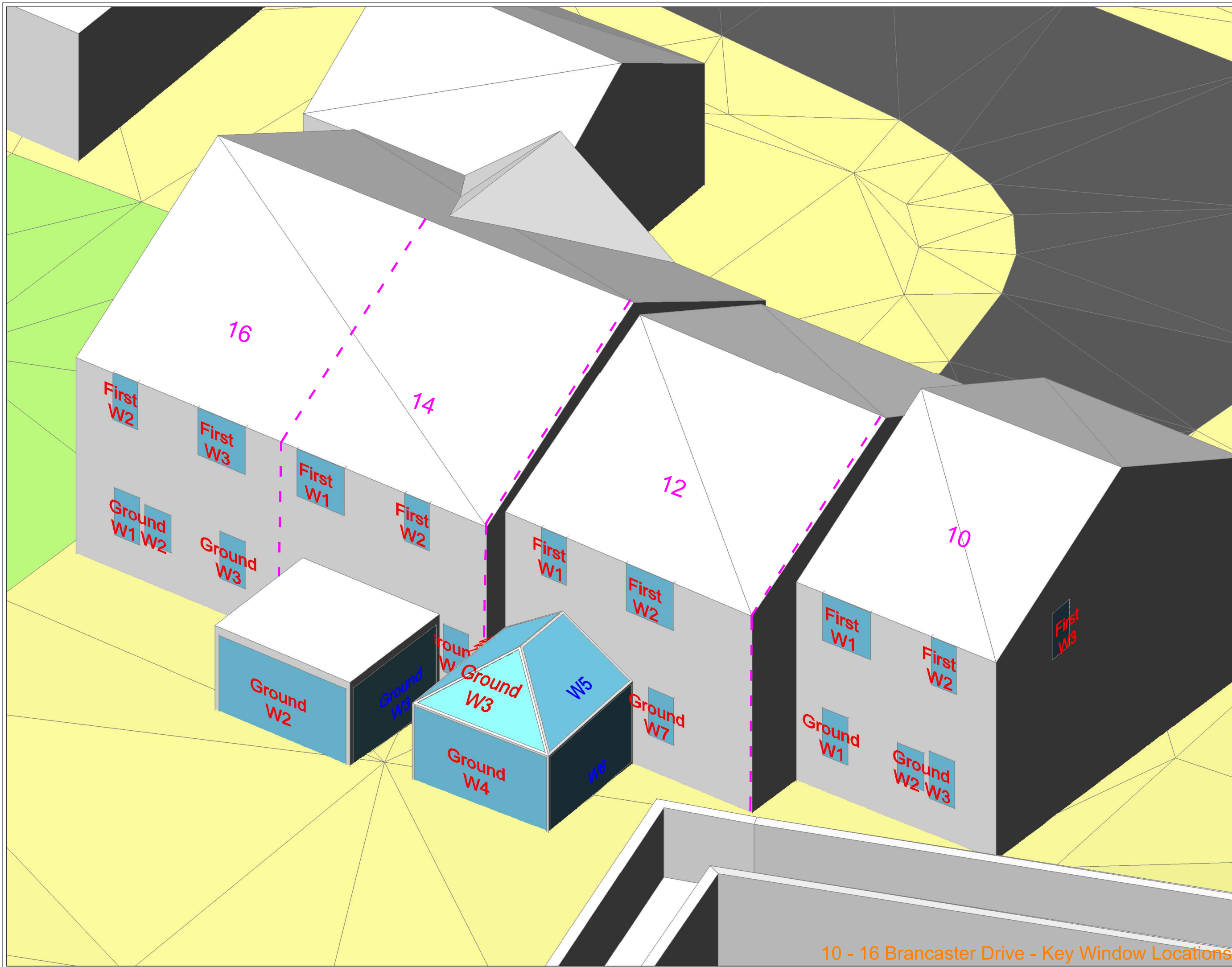
Thavies Inn House 3-4 Holborn Circus London EC1N 2HA 020 7936 3668 www.delvapatmanredler.co.uk	The Plaza 100 Old Hall Street Liverpool L3 9QJ 0151 242 0980 info@delvapatmanredler.co.uk
--	---

TITLE: PENTAVIA RETAIL PARK
WATFORD WAY
LONDON, NW7
DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
42 & 40 Brancaster Drive & 6 Briston Mews
Daylight / Sunlight Analysis
Key Window Locations
-
-
-

DRAWN: MJ	JOB NO:
SCALE: NTS	16336
DATE: 15/03/2019	
DWG NO: LOC/844	REV: -

42 & 40 Brancaster Drive & 6 Briston Mews - Key Window Locations



NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Existing	Window Tested Daylight only
Proposed	Window Tested Daylight & Sunlight
Surrounding	

SOURCE DATA

Drawings Used:
Existing and surrounding buildings:
ZMapping:

Proposed Scheme:
Arney Fender Katsalidis:
Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
GA_LEVEL_00_OVERALL PLAN - A10-00-01-P1
GA_LEVEL_01_OVERALL PLAN - A10-01-01-P1

NOTES

Building not accessed to assess internal configuration - room uses assumed.



Insert Hyperlink

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REV	Description	Drawn	Chk'd	Date

DELVA PATMAN REDLER
Chartered Surveyors

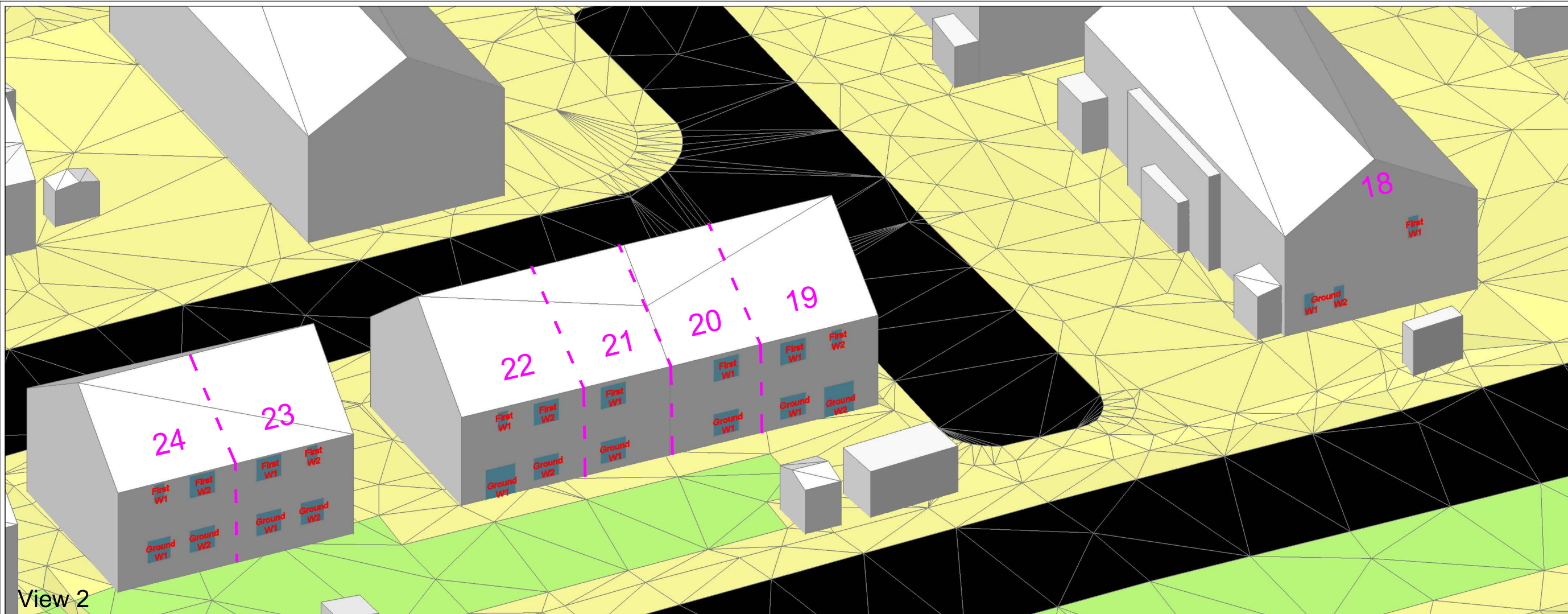
Thavies Inn House 3-4 Holborn Circus London EC1N 2HA 020 7936 3668 www.delvapatmanredler.co.uk	The Plaza 100 Old Hall Street Liverpool L3 9QJ 0151 242 0980 info@delvapatmanredler.co.uk
--	---

TITLE: PENTAVIA RETAIL PARK
WATFORD WAY
LONDON, NW7
DAYLIGHT / SUNLIGHT ANALYSIS

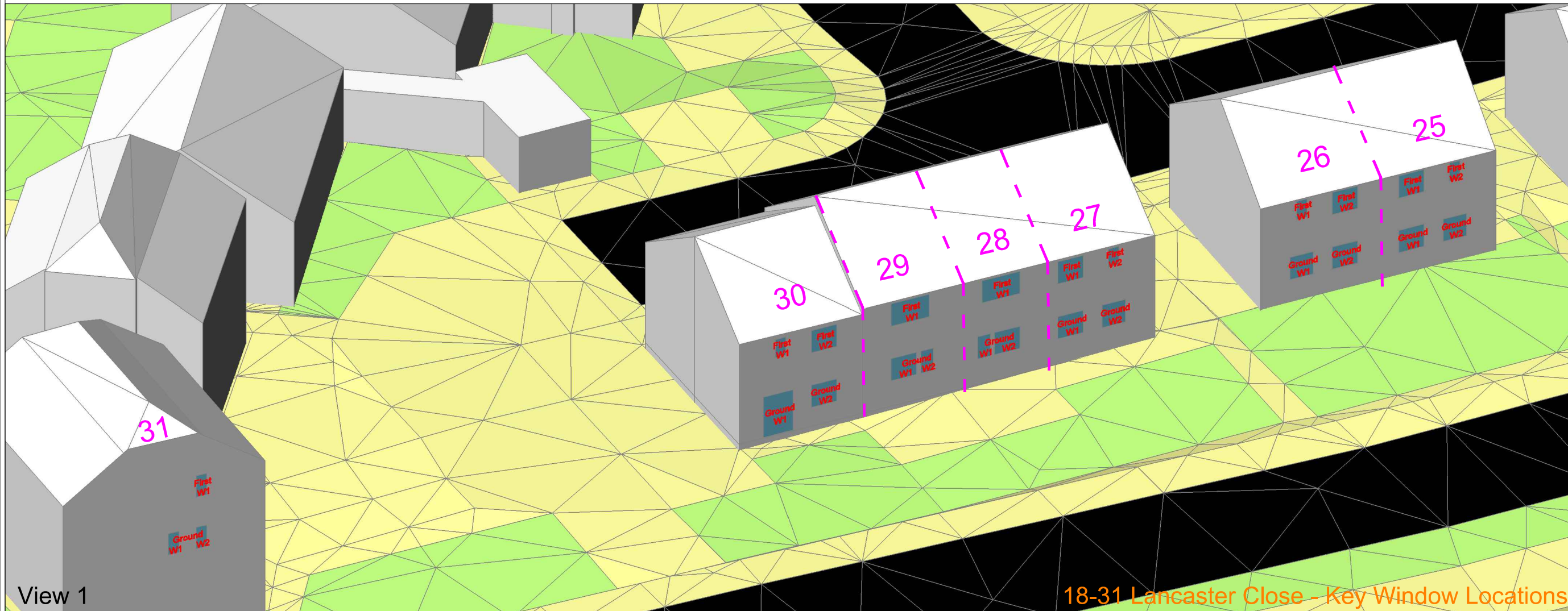
DRAWING:
10 - 16 Brancaster Drive
Daylight / Sunlight Analysis
Key Window Locations

DRAWN: MJ	JOB NO: 16336
SCALE: NTS	
DATE: 15/03/2019	
DWG NO: LOC/845	REV: -

10 - 16 Brancaster Drive - Key Window Locations



View 2



View 1

18-31 Lancaster Close - Key Window Locations

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Existing	Window Tested Daylight only
Proposed	Window Tested Daylight & Sunlight
Surrounding	

W1108
W1109

SOURCE DATA

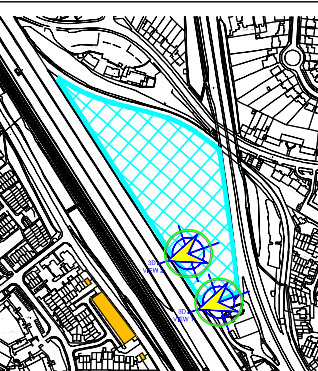
Drawings Used:
Existing and surrounding buildings:
ZMapping:

Proposed Scheme:
Arney Fender Katsalidis:
Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
GA_LEVEL 00_OVERALL PLAN - A10-00-01-P1
GA_LEVEL 01_OVERALL PLAN - A10-01-01-P1

NOTES

Building not accessed to assess internal configuration - room uses assumed.

Site Plan



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REV	Description	Drawn	Chk'd	Date

DELVA PATMAN REDLER
Chartered Surveyors

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020 7936 3668
www.delvapatmanredler.co.uk

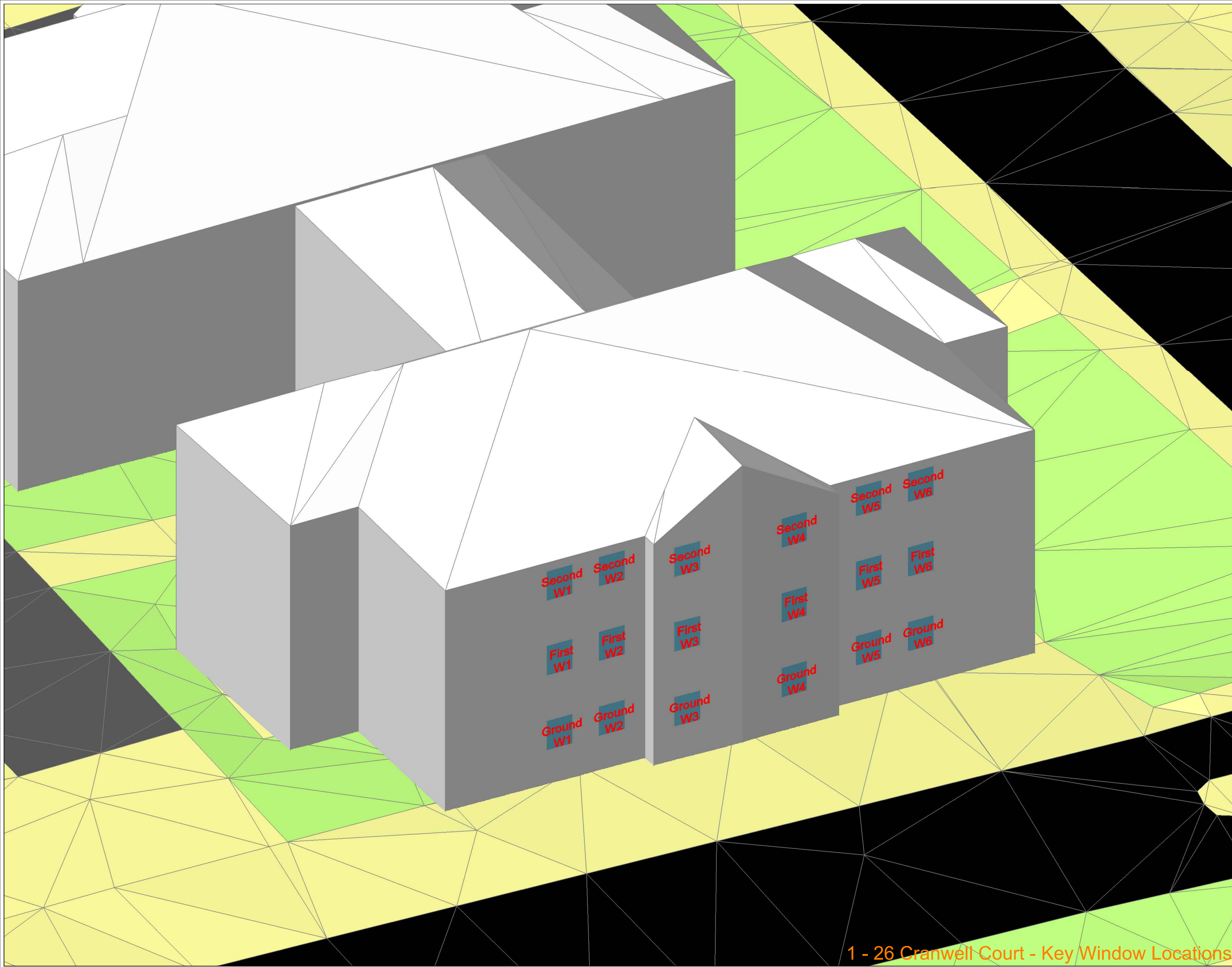
The Plaza
100 Old Hall Street
Liverpool L3 9QJ
0151 242 0980
info@delvapatmanredler.co.uk

TITLE: **PENTAVIA RETAIL PARK
WATFORD WAY
LONDON, NW7**

DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
31 & 18 - 30 Lancaster Close
Daylight / Sunlight Analysis
Key Window Locations

DRAWN: MJ	JOB NO:
SCALE: NTS	16336
DATE: 15/03/2019	
DWG NO: LOC/846	REV: -



NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Existing	Window Tested Daylight only
Proposed	Window Tested Daylight & Sunlight
Surrounding	

W1106
W1108

SOURCE DATA

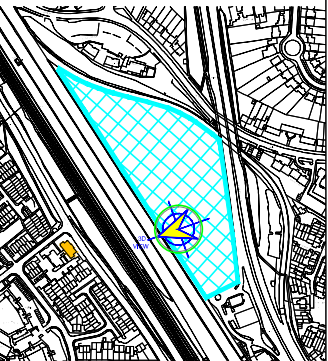
Drawings Used:
Existing and surrounding buildings:
ZMapping:

Proposed Scheme:
Arney Fender Katsalidis:
Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
GA_LEVEL 00_OVERALL PLAN - A10-00-01-P1
GA_LEVEL 01_OVERALL PLAN - A10-01-01-P1

NOTES

Building not accessed to assess internal configuration - room uses assumed.

Site Plan



[Insert Hyperlink](#)

REV	Description	Drawn	Chk'd	Date

DELVA PATMAN REDLER
Chartered Surveyors

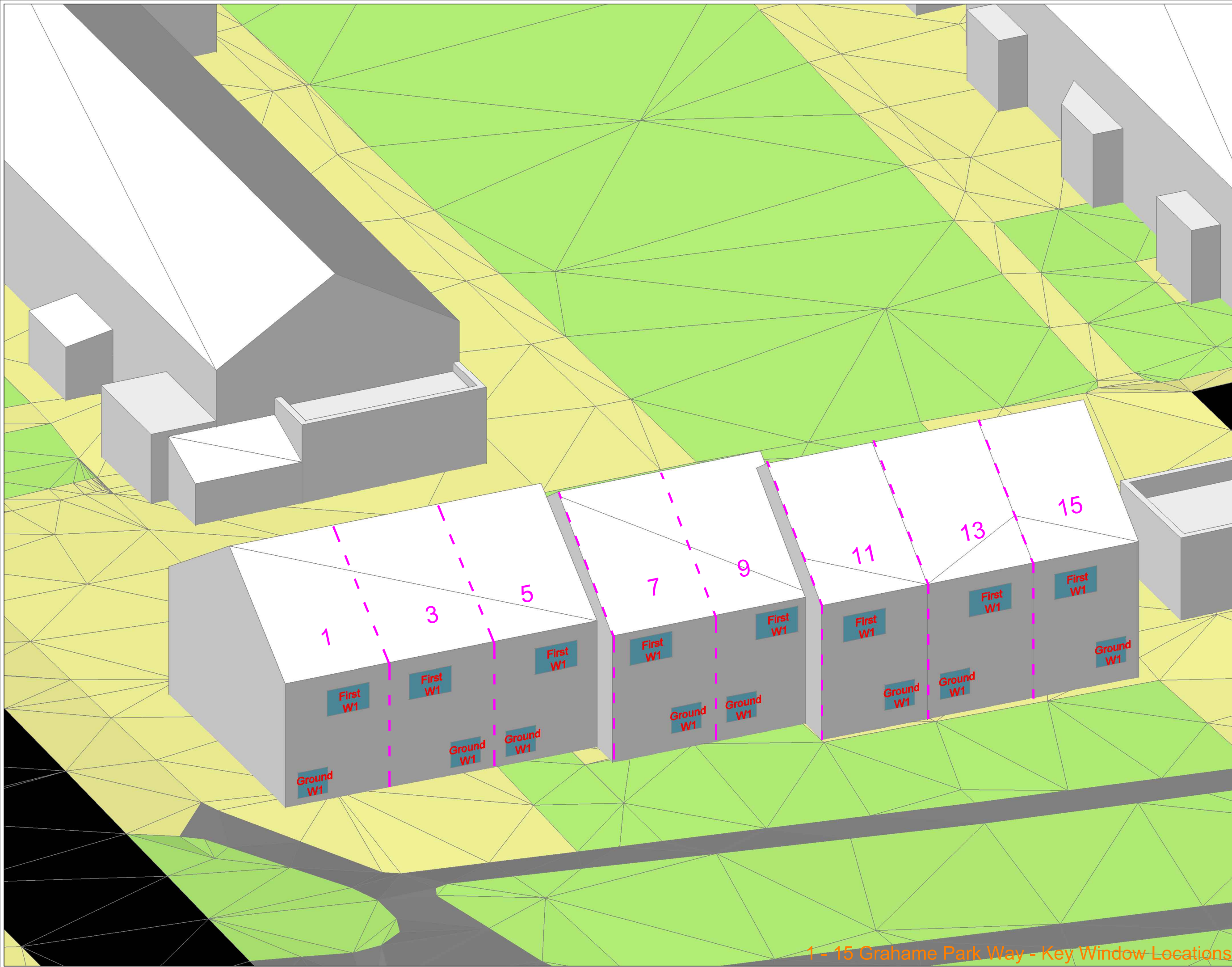
Thavies Inn House 3-4 Holborn Circus London EC1N 2HA 020 7936 3668 www.delvapatmanredler.co.uk	The Plaza 100 Old Hall Street Liverpool L3 9QJ 0151 242 0980 info@delvapatmanredler.co.uk
--	---

TITLE:
PENTAVIA RETAIL PARK
WATFORD WAY
LONDON, NW7
-
DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
1 - 26 Cranwell Court
Daylight / Sunlight Analysis
Key Window Locations
-
-
-

DRAWN: MJ	JOB NO:
SCALE: NTS	16336
DATE: 15/03/2019	
DWG NO: LOC/847	REV: -

1 - 26 Cranwell Court - Key Window Locations



NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Existing	Window Tested Daylight only
Proposed	Window Tested Daylight & Sunlight
Surrounding	

W1108

SOURCE DATA

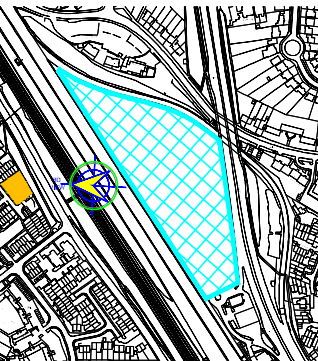
Drawings Used:
Existing and surrounding buildings:
ZMapping:

Proposed Scheme:
Arney Fender Katsalidis:
Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
GA_LEVEL 00_OVERALL PLAN - A10-00-01-P1
GA_LEVEL 01_OVERALL PLAN - A10-01-01-P1

NOTES

Building not accessed to assess internal configuration - room uses assumed.

Site Plan



REV	Description	Drawn	Chk'd	Date

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--	---

TITLE: PENTAVIA RETAIL PARK
WATFORD WAY
LONDON, NW7
DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
1 - 15 Grahame Park Way
Daylight / Sunlight Analysis
Key Window Locations
-
-

DRAWN: MJ
SCALE: NTS
DATE: 15/03/2019

JOB NO:
16336

DWG NO: **LOC/848**
REV: -

1 - 15 Grahame Park Way - Key Window Locations



NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Existing	Window Tested Daylight only
Proposed	Window Tested Daylight & Sunlight
Surrounding	

W1/08

SOURCE DATA

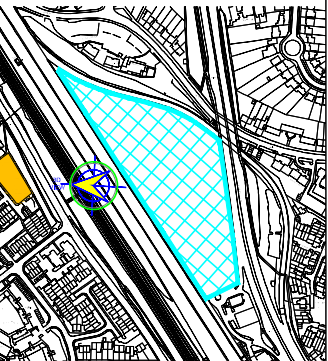
Drawings Used:
Existing and surrounding buildings:
ZMapping:

Proposed Scheme:
Arney Fender Katsalidis:
Dwg No's: AFK_44032_MH_3D Mill Hill (3D)
Model received 13.02.2019)
GA_LEVEL 00_OVERALL PLAN -
A10-00-01-P1
GA_LEVEL 01_OVERALL PLAN -
A10-01-01-P1

NOTES

Building not accessed to assess internal configuration - room uses assumed.

Site Plan



REV	Description	Drawn	Chk'd	Date

DELVA PATMAN REDLER
Chartered Surveyors

Thavies Inn House
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London EC1N 2HA
020 7936 3668
www.delvapatmanredler.co.uk

The Plaza
100 Old Hall Street
Liverpool L3 9QJ
0151 242 0980
info@delvapatmanredler.co.uk

TITLE:
PENTAVIA RETAIL PARK
WATFORD WAY
LONDON, NW7
-
DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
17 - 33 Grahame Park Way
Daylight / Sunlight Analysis
Key Window Locations
-
-
-

DRAWN: MJ **JOB NO.:** 16336
SCALE: NTS
DATE: 15/03/2019
DWG NO.: LOC/849 **REV.:** -

17 - 33 Grahame Park Way - Key Window Locations

APPENDIX B

DAYLIGHT & SUNLIGHT ANALYSIS SUMMARY TABLES



Address	Floor Level	Room Name	Window ID	VSC				Daylight Distribution			ADF			APSH												
				Existing	Proposed	Window %age Diff	Room %age Diff	Existing	Proposed	%age Diff	Existing	Proposed	%age Diff	APSH Existing	APSH Proposed	%age Diff	Winter Existing	Winter Proposed	%age Diff							
Palmerstone Court	Ground	LKD/R1	W1	30.82	24.53	-20.41%	-19.28%	99.48%	94.21%	-5.30%	2.01%	1.63%	-18.53%	51	43	-15.69%	28	20	-28.57%							
			W2	36.47	29.85	-18.14%								57	50	-12.28%	24	17	-29.17%							
		Bedroom/R2	W3	37.29	30.53	-18.14%								-18.31%	95.94%	89.93%	-6.26%	2.16%	1.80%	-16.62%	58	51	-12.07%	24	17	-29.17%
			W4	37.49	30.56	-18.48%															58	51	-12.07%	24	17	-29.17%
		LKD/R4	W6	37.42	29.64	-20.79%								-15.06%	99.50%	94.44%	-5.08%	2.81%	2.35%	-16.22%	58	49	-15.52%	24	15	-37.50%
			W7	36.70	28.81	-21.49%															73	63	-13.70%	27	17	-37.04%
		W8	30.75	29.85	-2.90%	29								27	-6.90%	7	5	-28.57%								
		First	LKD/R1	W1	38.77	32.68								-15.71%	-15.71%	94.39%	83.18%	-11.88%	1.48%	1.26%	-14.71%	71	65	-8.45%	28	22
	W2			38.31	31.82	-16.95%	58	51	-12.07%	24	17	-29.17%														
	Bedroom/R2		W3	38.53	31.88	-17.27%	-17.11%	95.93%	89.69%	-6.50%	2.01%	1.69%	-15.99%	58								51	-12.07%	24	17	-29.17%
			W5	38.56	31.09	-19.38%								58								51	-12.07%	24	17	-29.17%
	LKD/R4		W6	38.40	30.62	-20.25%	-14.75%	99.51%	99.51%	0.00%	2.63%	2.18%	-17.07%	74								65	-12.16%	28	19	-32.14%
			W7	37.29	35.57	-4.61%								30								30	0.00%	6	6	0.00%
	Second	LKD/R1	W1	39.24	33.61	-14.34%	-14.34%	94.40%	84.71%	-10.26%	1.51%	1.30%	-13.51%	71	65	-8.45%	28	22	-21.43%							
			W2	39.04	32.89	-15.77%								69	64	-7.25%	27	22	-18.52%							
		Bedroom/R2	W4	39.05	32.03	-17.98%								-13.68%	99.90%	99.90%	0.00%	3.02%	2.55%	-15.64%	58	51	-12.07%	24	17	-29.17%
			W5	39.01	31.73	-18.67%															74	68	-8.11%	28	22	-21.43%
		W6	38.38	36.69	-4.39%	34								34	0.00%	9	9	0.00%								
LKD/R4		W6	38.38	36.69	-4.39%	34								34	0.00%	9	9	0.00%								
82 Bunns Lane	Ground	Living Room/R1	W1	25.79	19.67	-23.73%	-23.73%	96.98%	66.04%	-31.91%	0.86%	0.71%	-17.31%	40	31	-22.50%	13	7	-46.15%							
			W2	33.63	26.83	-20.22%								41	31	-24.39%	11	5	-54.55%							
		Living Room/R2	W3	37.58	31.58	-15.96%								-14.99%	100.00%	100.00%	0.00%	4.44%	3.86%	-13.13%	65	55	-15.38%	25	19	-24.00%
			W4	30.95	28.23	-8.80%															49	47	-4.08%	22	20	-9.09%
	First	Bedroom/R1	W1	36.83	30.50	-17.17%	-17.17%	97.84%	97.84%	0.00%	1.52%	1.29%	-15.46%	55	49	-10.91%	22	18	-18.18%							
			W2	33.17	26.31	-20.70%								41	34	-17.07%	12	8	-33.33%							
		Bedroom/R2	W3	38.63	32.50	-15.87%								-15.40%	100.00%	100.00%	0.00%	4.38%	3.79%	-13.48%	66	59	-10.61%	26	22	-15.38%
			W4	29.66	26.81	-9.63%															42	41	-2.38%	22	21	-4.55%
	80 Bunns Lane	Ground	Living Room/R1	W1	29.70	23.09	-22.24%	-14.72%	100.00%	100.00%	0.00%	4.43%	3.88%	-12.42%	42	34	-19.05%	13	9	-30.77%						
				W2	37.69	31.95	-15.22%								66	59	-10.61%	25	21	-16.00%						
				W3	34.77	32.44	-6.71%								59	57	-3.39%	25	23	-8.00%						
		First	Bedroom/R1	W1	28.67	21.97	-23.36%	-15.29%	100.00%	100.00%	0.00%	4.35%	3.79%	-12.89%	42	35	-16.67%	14	10	-28.57%						
W2				38.73	32.83	-15.22%	67								60	-10.45%	26	22	-15.38%							
Bedroom/R2			W3	33.86	31.39	-7.29%	52								51	-1.92%	25	24	-4.00%							
			W4	37.16	31.61	-14.93%	-14.93%								97.78%	97.78%	0.00%	1.58%	1.37%	-13.40%	56	51	-8.93%	24	20	-16.67%
			W1	29.70	23.09	-22.24%															42	34	-19.05%	13	9	-30.77%
W2	37.69	31.95	-15.22%	66	59	-10.61%		25	21	-16.00%																
78 Bunns Lane	Ground	Living Room/R1	W1	32.08	26.33	-17.91%	-12.61%	100.00%	100.00%	0.00%	4.51%	4.02%	-10.90%	38	33	-13.16%	10	7	-30.00%							
			W2	37.77	32.87	-12.97%								65	59	-9.23%	25	21	-16.00%							
			W3	30.93	28.78	-6.96%								49	47	-4.08%	22	20	-9.09%							
	First	Bedroom/R1	W1	36.90	31.76	-13.95%								-13.95%	97.84%	97.84%	0.00%	1.57%	1.37%	-12.81%	55	49	-10.91%	22	17	-22.73%
			W2	32.62	26.79	-17.89%															40	33	-17.50%	12	7	-41.67%
		Bedroom/R2	W3	38.80	33.77	-12.96%															-12.80%	100.00%	100.00%	0.00%	4.47%	3.97%
W4	29.65		27.41	-7.56%	42	40	-4.76%	22	20	-9.09%																
76 Bunns Lane	Ground	Living Room/R1	W1	30.08	24.47	-18.67%	-12.24%	100.00%	100.00%	0.00%	4.52%	4.05%	-10.41%	43	36	-16.28%	14	9	-35.71%							
			W2	37.85	33.12	-12.52%								67	60	-10.45%	26	21	-19.23%							
			W3	34.08	32.20	-5.52%								56	54	-3.57%	23	21	-8.70%							
	First	Bedroom/R1	W1	28.93	23.24	-19.68%								-12.66%	100.00%	100.00%	0.00%	4.45%	3.97%	-10.70%	42	35	-16.67%	14	9	-35.71%
			W2	38.84	34.00	-12.47%															67	60	-10.45%	26	21	-19.23%
		Bedroom/R2	W3	33.45	31.50	-5.83%															50	48	-4.00%	23	21	-8.70%
			W4	37.22	32.67	-12.21%															-12.21%	97.78%	97.78%	0.00%	1.62%	1.44%
Ground	Living Room/R1	W1	37.72	32.66	-13.42%	-13.42%	99.80%	99.80%	0.00%	3.25%	2.84%	-12.51%	66	57	-13.64%	25	20	-20.00%								
		W2	38.01	33.02	-13.13%								56	49	-12.50%	24	19	-20.83%								
	Living Room/R3	W3	38.07	33.19	-12.83%								-12.83%	96.76%	96.76%	0.00%	1.20%	1.05%	-12.07%	56	49	-12.50%	24	19	-20.83%	
		W4	37.94	33.20	-12.50%															-12.50%	99.70%	99.70%	0.00%	3.26%	2.88%	-11.67%
First	Living Room/R1	W1	38.66	33.42	-13.54%	-13.54%	99.73%	99.73%	0.00%	3.32%	2.90%	-12.65%	66	58	-12.12%	25	20	-20.00%								

Red Text Cells do not meet the BRE recommendations
Positive %age figures indicate an improvement
in the natural lighting conditions

				VSC				Daylight Distribution			ADF			APSH						
Address	Floor Level	Room Name	Window ID	Existing	Proposed	Window %age Diff	Room %age Diff	Existing	Proposed	%age Diff	Existing	Proposed	%age Diff	APSH Existing	APSH Proposed	%age Diff	Winter Existing	Winter Proposed	%age Diff	
Farm House Court 19-24 Bunns Lane	First	Living Room/R2	W2	38.84	33.75	-13.10%	-13.10%	96.81%	96.81%	0.00%	1.22%	1.07%	-12.46%	56	49	-12.50%	24	19	-20.83%	
		Living Room/R3	W3	38.87	33.91	-12.75%	-12.75%	96.76%	96.76%	0.00%	1.22%	1.07%	-12.14%	56	49	-12.50%	24	19	-20.83%	
		Living Room/R4	W4	38.75	33.93	-12.45%	-12.45%	99.80%	99.79%	0.00%	3.33%	2.94%	-11.63%	66	59	-10.61%	25	20	-20.00%	
	Second	Living Room/R1	W1	39.25	34.06	-13.23%	-13.23%	99.80%	99.80%	0.00%	3.36%	2.95%	-12.36%	66	59	-10.61%	25	20	-20.00%	
		Living Room/R2	W2	39.31	34.33	-12.68%	-12.68%	96.75%	96.75%	0.00%	1.23%	1.08%	-12.13%	56	50	-10.71%	24	20	-16.67%	
		Living Room/R3	W3	39.33	34.48	-12.32%	-12.32%	96.79%	96.79%	0.00%	1.23%	1.09%	-11.81%	56	51	-8.93%	24	20	-16.67%	
Living Room/R4	W4	39.30	34.54	-12.10%	-12.10%	99.79%	99.79%	0.00%	3.37%	2.99%	-11.29%	66	61	-7.58%	25	21	-16.00%			
	Farm House Court 13-18 Bunns Lane	Ground	Living Room/R1	W1	32.60	29.12	-10.65%	-10.65%	99.10%	99.10%	0.00%	2.82%	2.59%	-8.35%	58	53	-8.62%	25	20	-20.00%
			Living Room/R2	W2	37.77	33.40	-11.55%	-11.55%	96.64%	96.64%	0.00%	1.20%	1.07%	-10.90%	56	49	-12.50%	24	19	-20.83%
Living Room/R3			W3	38.25	33.90	-11.39%	-11.39%	96.78%	96.78%	0.00%	1.21%	1.08%	-10.84%	56	49	-12.50%	24	19	-20.83%	
Living Room/R4			W4	38.20	33.94	-11.15%	-11.15%	99.79%	99.79%	0.00%	3.29%	2.95%	-10.42%	66	59	-10.61%	25	20	-20.00%	
First	Living Room/R1	W1	33.50	29.99	-10.48%	-10.48%	99.24%	99.24%	0.00%	2.89%	2.65%	-8.52%	58	53	-8.62%	25	20	-20.00%		
	Living Room/R2	W2	38.70	34.34	-11.27%	-11.27%	96.66%	96.66%	0.00%	1.22%	1.09%	-10.80%	56	50	-10.71%	24	19	-20.83%		
	Living Room/R3	W3	39.03	34.68	-11.13%	-11.13%	96.76%	96.76%	0.00%	1.23%	1.10%	-10.72%	56	50	-10.71%	24	19	-20.83%		
	Living Room/R4	W4	38.97	34.71	-10.92%	-10.92%	99.79%	99.79%	0.00%	3.35%	3.00%	-10.23%	66	60	-9.09%	25	20	-20.00%		
Second	Living Room/R1	W1	36.95	33.55	-9.21%	-9.21%	99.76%	99.76%	0.00%	3.23%	2.95%	-8.56%	61	57	-6.56%	25	21	-16.00%		
	Living Room/R2	W2	39.38	35.09	-10.91%	-10.91%	96.79%	96.79%	0.00%	1.24%	1.11%	-10.52%	56	52	-7.14%	24	21	-12.50%		
	Living Room/R3	W3	39.41	35.22	-10.62%	-10.62%	96.78%	96.78%	0.00%	1.24%	1.11%	-10.22%	56	51	-8.93%	24	20	-16.67%		
	Living Room/R4	W4	39.39	35.27	-10.46%	-10.46%	99.79%	99.79%	0.00%	3.37%	3.05%	-9.75%	66	61	-7.58%	25	21	-16.00%		
Farm House Court 7-12 Bunns Lane	Ground	Living Room/R1	W1	31.19	28.40	-8.94%	-8.94%	98.79%	98.79%	0.00%	2.73%	2.55%	-6.81%	53	50	-5.66%	23	20	-13.04%	
		Living Room/R2	W2	37.39	33.62	-10.07%	-10.07%	96.41%	96.41%	0.00%	1.19%	1.08%	-9.51%	56	50	-10.71%	24	19	-20.83%	
		Living Room/R3	W3	37.49	33.69	-10.15%	-10.15%	96.52%	96.52%	0.00%	1.20%	1.08%	-9.64%	56	50	-10.71%	24	19	-20.83%	
		Living Room/R4	W4	32.05	28.31	-11.66%	-11.66%	98.83%	98.83%	0.00%	2.79%	2.53%	-9.34%	49	44	-10.20%	16	12	-25.00%	
	First	Living Room/R1	W1	32.14	29.33	-8.74%	-8.74%	99.13%	99.13%	0.00%	2.80%	2.61%	-6.88%	53	50	-5.66%	23	20	-13.04%	
		Living Room/R2	W2	38.48	34.75	-9.69%	-9.69%	96.72%	96.72%	0.00%	1.22%	1.11%	-9.33%	56	50	-10.71%	24	19	-20.83%	
		Living Room/R3	W3	38.58	34.81	-9.76%	-9.76%	96.75%	96.75%	0.00%	1.22%	1.11%	-9.46%	56	50	-10.71%	24	19	-20.83%	
		Living Room/R4	W4	33.01	29.30	-11.24%	-11.24%	99.23%	99.23%	0.00%	2.86%	2.59%	-9.33%	50	45	-10.00%	16	12	-25.00%	
	Second	Living Room/R1	W1	35.56	32.89	-7.50%	-7.50%	99.64%	99.64%	0.00%	3.12%	2.91%	-6.57%	56	53	-5.36%	23	20	-13.04%	
		Living Room/R2	W2	39.37	35.70	-9.33%	-9.33%	96.68%	96.68%	0.00%	1.24%	1.13%	-9.02%	56	51	-8.93%	24	20	-16.67%	
		Living Room/R3	W3	39.39	35.77	-9.18%	-9.18%	96.79%	96.79%	0.00%	1.24%	1.13%	-8.86%	56	51	-8.93%	24	20	-16.67%	
		Living Room/R4	W4	36.31	32.76	-9.78%	-9.78%	99.64%	99.64%	0.00%	3.17%	2.89%	-8.91%	59	55	-6.78%	18	15	-16.67%	
Farm House Court 1-6 Bunns Lane	Ground	Living Room/R1	W1	38.11	34.41	-9.70%	-9.70%	99.79%	99.79%	0.00%	3.28%	2.98%	-9.06%	66	61	-7.58%	25	21	-16.00%	
		Living Room/R2	W2	38.25	34.66	-9.38%	-9.38%	96.70%	96.70%	0.00%	1.20%	1.10%	-8.92%	56	51	-8.93%	24	20	-16.67%	
		Living Room/R3	W3	38.19	34.71	-9.11%	-9.11%	96.69%	96.69%	0.00%	1.20%	1.10%	-8.67%	56	51	-8.93%	24	20	-16.67%	
		Living Room/R4	W4	37.49	34.12	-9.00%	-9.00%	99.70%	99.70%	0.00%	3.25%	2.98%	-8.33%	66	62	-6.06%	25	22	-12.00%	
	First	Living Room/R1	W1	38.97	35.29	-9.44%	-9.44%	99.72%	99.71%	0.00%	3.35%	3.05%	-8.84%	66	61	-7.58%	25	21	-16.00%	
		Living Room/R2	W2	39.12	35.55	-9.11%	-9.11%	96.68%	96.68%	0.00%	1.23%	1.12%	-8.76%	56	51	-8.93%	24	20	-16.67%	
		Living Room/R3	W3	39.11	35.65	-8.83%	-8.83%	96.74%	96.74%	0.00%	1.23%	1.12%	-8.49%	56	51	-8.93%	24	20	-16.67%	
		Living Room/R4	W4	38.91	35.56	-8.62%	-8.62%	99.80%	99.80%	0.00%	3.34%	3.07%	-8.03%	66	62	-6.06%	25	22	-12.00%	
	Second	Living Room/R1	W1	39.42	35.88	-8.99%	-8.99%	99.79%	99.79%	0.00%	3.38%	3.09%	-8.39%	66	62	-6.06%	25	22	-12.00%	
		Living Room/R2	W2	39.46	36.06	-8.61%	-8.61%	96.70%	96.70%	0.00%	1.24%	1.14%	-8.29%	56	52	-7.14%	24	21	-12.50%	
		Living Room/R3	W3	39.46	36.17	-8.35%	-8.35%	96.69%	96.69%	0.00%	1.24%	1.14%	-8.03%	56	52	-7.14%	24	21	-12.50%	
		Living Room/R4	W4	39.44	36.22	-8.18%	-8.18%	99.70%	99.70%	0.00%	3.38%	3.12%	-7.61%	66	63	-4.55%	25	23	-8.00%	
42 Brancaster Drive	First	Landing/R1	W1	38.61	33.17	-14.08%	-14.08%	99.15%	99.15%	0.00%	2.12%	1.84%	-13.26%	N/A	N/A	N/A	N/A	N/A	N/A	
40 Brancaster Drive	First	Landing/R1	W1	38.40	33.02	-14.03%	-14.03%	99.07%	99.07%	0.00%	2.10%	1.82%	-13.38%	N/A	N/A	N/A	N/A	N/A	N/A	
6 Briston Mews	First	Landing/R1	W1	38.33	32.23	-15.92%	-15.92%	99.41%	99.41%	0.00%	2.10%	1.78%	-14.98%	N/A	N/A	N/A	N/A	N/A	N/A	
16 Brancaster Drive	Ground	Living Room/R1	W1	34.74	29.70	-14.52%	-14.36%	97.05%	97.03%	-0.02%	1.76%	1.54%	-12.22%	N/A	N/A	N/A	N/A	N/A	N/A	
			W2	34.81	29.79	-14.42%								N/A	N/A	N/A	N/A	N/A	N/A	
			W3	34.03	29.22	-14.15%								N/A	N/A	N/A	N/A	N/A	N/A	
	First	Landing/R1	W1	34.44	34.10	-0.97%	-0.97%	98.87%	98.87%	0.00%	1.86%	1.86%	-0.12%	N/A	N/A	N/A	N/A	N/A	N/A	
		Bedroom/R2	W2	36.93	31.66	-14.27%	-14.27%	93.49%	93.49%	0.00%	1.59%	1.39%	-13.02%	N/A	N/A	N/A	N/A	N/A	N/A	
		Bedroom/R3	W3	37.00	31.74	-14.20%	-14.20%	98.38%	98.37%	-0.01%	1.96%	1.71%	-13.13%	N/A	N/A	N/A	N/A	N/A	0.00%	

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				VSC				Daylight Distribution			ADF			APSH						
Address	Floor Level	Room Name	Window ID	Existing	Proposed	Window %age Diff	Room %age Diff	Existing	Proposed	%age Diff	Existing	Proposed	%age Diff	APSH Existing	APSH Proposed	%age Diff	Winter Existing	Winter Proposed	%age Diff	
14 Brancaster Drive	Ground	Living Room/R1	W1	21.89	21.53	-1.65%	-9.04%	98.39%	89.10%	-9.45%	5.16%	4.80%	-6.95%	N/A	N/A	N/A	N/A	N/A	N/A	
			W2	34.15	29.29	-14.23%								N/A	N/A	N/A	N/A	N/A	N/A	
			W3	15.95	14.93	-6.35%								36	33	-8.33%	1	1	0.00%	
			W4	21.57	18.57	-13.94%								N/A	N/A	N/A	N/A	N/A	N/A	
	First	Bedroom/R1	W1	36.91	31.70	-14.11%	-14.11%	97.31%	97.31%	0.00%	1.81%	1.58%	-13.03%	N/A	N/A	N/A	N/A	N/A	N/A	
			Bedroom/R2	W2	36.73	31.58	-14.02%	-14.02%	89.40%	89.40%	0.00%	1.58%	1.38%	-12.74%	N/A	N/A	N/A	N/A	N/A	N/A
12 Brancaster Drive	Ground	Living Room/R1	W1	60.58	59.78	-1.32%	-5.52%	96.65%	96.65%	0.00%	12.96%	12.55%	-3.12%	N/A	N/A	N/A	N/A	N/A	N/A	
			W2	10.75	10.31	-4.07%								N/A	N/A	N/A	N/A	N/A	N/A	
			W3	84.24	80.62	-4.30%								N/A	N/A	N/A	N/A	N/A	N/A	
			W4	32.58	28.21	-13.40%								N/A	N/A	N/A	N/A	N/A	N/A	
			W5	67.05	65.82	-1.85%								47	44	-6.38%	10	10	0.00%	
			W6	20.25	19.74	-2.52%								38	36	-5.26%	8	8	0.00%	
			W7	26.77	23.78	-11.15%								N/A	N/A	N/A	N/A	N/A	N/A	
	First	Bedroom/R1	W1	35.48	30.52	-13.98%	-13.98%	93.72%	93.72%	0.00%	1.55%	1.36%	-12.26%	N/A	N/A	N/A	N/A	N/A	N/A	
Bedroom/R2			W2	35.87	31.14	-13.18%	-13.18%	97.85%	97.84%	-0.01%	1.91%	1.68%	-11.88%	N/A	N/A	N/A	N/A	N/A	N/A	
10 Brancaster Drive	Ground	Living Room/R1	W1	23.07	20.32	-11.94%	-9.36%	97.01%	96.56%	-0.46%	1.44%	1.34%	-6.90%	N/A	N/A	N/A	N/A	N/A	N/A	
			W2	28.69	26.27	-8.44%								N/A	N/A	N/A	N/A	N/A	N/A	
			W3	28.89	26.66	-7.69%								N/A	N/A	N/A	N/A	N/A	N/A	
	First	Bedroom/R1	W1	31.49	27.61	-12.31%	-12.31%	97.99%	97.99%	0.00%	1.66%	1.50%	-9.75%	N/A	N/A	N/A	N/A	N/A	N/A	
			Bedroom/R2	W2	34.03	30.79	-9.52%	-9.52%	95.08%	95.08%	0.00%	1.48%	1.36%	-8.21%	N/A	N/A	N/A	N/A	N/A	N/A
			Landing/R3	W3	34.84	34.41	-1.24%	-1.24%	98.94%	98.94%	0.00%	1.89%	1.89%	-0.21%	N/A	N/A	N/A	N/A	N/A	N/A
13 Lancaster Close	Ground	Bedroom/R1	W1	38.10	34.18	-10.29%	-10.36%	93.95%	93.95%	0.00%	1.04%	0.94%	-9.62%	N/A	N/A	N/A	N/A	N/A	N/A	
			W2	38.10	34.12	-10.43%								N/A	N/A	N/A	N/A	N/A	N/A	
	First	Bedroom/R1	W1	38.51	34.65	-10.02%	-10.02%	80.12%	77.82%	-2.86%	0.53%	0.48%	-9.44%	N/A	N/A	N/A	N/A	N/A	N/A	
	30 Lancaster Close	Ground	Living Room/R1	W1	36.17	31.60	-12.62%	-12.62%	99.20%	87.52%	-11.78%	1.87%	1.65%	-12.06%	N/A	N/A	N/A	N/A	N/A	N/A
Living Room/R2				W2	37.40	32.40	-13.38%								-13.38%	98.41%	87.98%	-10.60%	1.36%	1.19%
First		Bedroom/R1	W1	38.01	33.15	-12.79%	-12.79%	92.66%	69.32%	-25.19%	0.42%	0.37%	-11.85%	N/A	N/A	N/A	N/A	N/A	N/A	
			Bedroom/R2	W2	38.00	33.07	-12.98%	-12.98%	98.43%	87.70%	-10.90%	1.38%	1.21%	-12.33%	N/A	N/A	N/A	N/A	N/A	N/A
29 Lancaster Close	Ground	Living Room/R1	W1	37.54	32.43	-13.60%	-13.64%	96.37%	95.99%	-0.40%	1.52%	1.33%	-12.77%	N/A	N/A	N/A	N/A	N/A	N/A	
			W2	37.53	32.40	-13.68%								N/A	N/A	N/A	N/A	N/A	N/A	N/A
	First	Bedroom/R1	W1	38.05	33.01	-13.23%	-13.23%	98.79%	91.37%	-7.51%	1.59%	1.39%	-12.53%	N/A	N/A	N/A	N/A	N/A	N/A	
			28 Lancaster Close	Ground	Living Room/R1	W1	37.54	32.33	-13.88%	-13.91%	96.67%	96.29%	-0.39%	1.62%	1.41%	-13.00%	N/A	N/A	N/A	N/A
W2	37.54	32.30				-13.94%	N/A	N/A	N/A								N/A	N/A	N/A	N/A
First	Bedroom/R1	W1		38.04	32.90	-13.51%	-13.51%	99.06%	90.82%	-8.32%	1.69%	1.47%	-12.79%	N/A	N/A	N/A	N/A	N/A	N/A	
		27 Lancaster Close		Ground	Living Room/R1	W1	37.53	32.21	-14.15%	-14.15%	97.39%	94.01%	-3.47%	1.31%	1.14%	-13.26%	N/A	N/A	N/A	N/A
Living Room/R2	W2		37.52			32.16	-14.27%	-14.27%	96.86%								93.41%	-3.56%	1.24%	1.07%
First	Bedroom/R1		W1	38.03	32.81	-13.74%	-13.74%	99.12%	83.36%	-15.89%	1.42%	1.24%	-13.03%	N/A	N/A	N/A	N/A	N/A	N/A	
			Bedroom/R2	W2	38.04	32.78	-13.84%	-13.84%	92.88%	69.27%	-25.42%	0.45%	0.39%	-12.84%	N/A	N/A	N/A	N/A	N/A	N/A
	Living Room/R1		W1	37.47	31.94	-14.75%	-14.75%	96.82%	93.04%	-3.91%	1.33%	1.15%	-13.74%	N/A	N/A	N/A	N/A	N/A	N/A	
			Living Room/R2	W2	37.47	31.92	-14.82%	-14.82%	97.22%	93.67%	-3.65%	1.33%	1.14%	-13.78%	N/A	N/A	N/A	N/A	N/A	N/A
26 Lancaster Close	First	Bedroom/R1	W1	38.02	32.58	-14.32%	-14.32%	93.41%	66.48%	-28.83%	0.45%	0.39%	-13.28%	N/A	N/A	N/A	N/A	N/A	N/A	
			Bedroom/R2	W2	38.00	32.52	-14.42%	-14.42%	98.75%	84.07%	-14.87%	1.34%	1.16%	-13.60%	N/A	N/A	N/A	N/A	N/A	N/A
25 Lancaster Close	Ground	Living Room/R1	W1	37.47	31.86	-14.96%	-14.96%	97.63%	94.02%	-3.69%	1.43%	1.23%	-13.93%	N/A	N/A	N/A	N/A	N/A	N/A	
			Living Room/R2	W2	37.46	31.83								-15.05%	-15.05%	97.07%	92.84%	-4.36%	1.33%	1.14%
	First	Bedroom/R1	W1	37.99	32.46	-14.57%	-14.57%	99.09%	82.39%	-16.85%	1.45%	1.25%	-13.71%	N/A	N/A	N/A	N/A	N/A	N/A	
			Bedroom/R2	W2	38.00	32.44	-14.63%	-14.63%	92.94%	66.68%	-28.25%	0.45%	0.39%	-13.58%	N/A	N/A	N/A	N/A	N/A	N/A
24 Lancaster Close	Ground	Living Room/R1	W1	37.40	31.69	-15.26%	-15.26%	96.82%	95.64%	-1.22%	1.33%	1.14%	-14.12%	N/A	N/A	N/A	N/A	N/A	N/A	
			Living Room/R2	W2	37.40	31.68								-15.30%	-15.30%	97.21%	93.85%	-3.46%	1.33%	1.14%
	First	Bedroom/R1	W1	37.97	32.33	-14.86%	-14.86%	93.36%	70.29%	-24.71%	0.45%	0.39%	-13.80%	N/A	N/A	N/A	N/A	N/A	N/A	
			Bedroom/R2	W2	37.94	32.29	-14.91%	-14.91%	98.75%	82.64%	-16.31%	1.34%	1.15%	-14.03%	N/A	N/A	N/A	N/A	N/A	N/A
23 Lancaster Close	Ground	Living Room/R1	W1	37.39	31.64	-15.37%	-15.37%	97.63%	95.07%	-2.62%	1.43%	1.22%	-14.23%	N/A	N/A	N/A	N/A	N/A	N/A	
			Living Room/R2	W2	37.38	31.63								-15.39%	-15.39%	97.07%	92.29%	-4.92%	1.33%	1.14%

Red Text Cells do not meet the BRE recommendations
Positive %age figures indicate an improvement
in the natural lighting conditions

				VSC				Daylight Distribution			ADF			APSH						
Address	Floor Level	Room Name	Window ID	Existing	Proposed	Window %age Diff	Room %age Diff	Existing	Proposed	%age Diff	Existing	Proposed	%age Diff	APSH Existing	APSH Proposed	%age Diff	Winter Existing	Winter Proposed	%age Diff	
23 Lancaster Close	First	Bedroom/R1	W1	37.93	32.25	-14.99%	-14.99%	99.09%	81.90%	-17.35%	1.45%	1.24%	-14.09%	N/A	N/A	N/A	N/A	N/A	N/A	
		Bedroom/R2	W2	37.94	32.25	-15.01%	-15.01%	92.86%	65.02%	-29.97%	0.45%	0.39%	-13.97%	N/A	N/A	N/A	N/A	N/A	N/A	
22 Lancaster Close	Ground	Living Room/R1	W1	34.81	30.37	-12.74%	-12.74%	99.20%	86.76%	-12.54%	1.83%	1.60%	-12.67%	N/A	N/A	N/A	N/A	N/A	N/A	
		Living Room/R2	W2	36.34	31.12	-14.36%	-14.36%	98.41%	81.02%	-17.67%	1.32%	1.15%	-13.06%	N/A	N/A	N/A	N/A	N/A	N/A	
	First	Bedroom/R1	W1	37.78	32.02	-15.24%	-15.24%	92.71%	71.68%	-22.68%	0.42%	0.36%	-14.11%	N/A	N/A	N/A	N/A	N/A	N/A	
		Bedroom/R2	W2	37.75	31.99	-15.27%	-15.27%	98.44%	80.62%	-18.10%	1.37%	1.17%	-14.26%	N/A	N/A	N/A	N/A	N/A	N/A	
21 Lancaster Close	Ground	Living Room/R1	W1	36.14	31.09	-13.96%	-13.96%	96.97%	81.47%	-15.98%	1.12%	0.98%	-12.68%	N/A	N/A	N/A	N/A	N/A	N/A	
	First	Bedroom/R1	W1	37.74	31.97	-15.29%	-15.29%	97.18%	81.45%	-16.19%	1.17%	1.00%	-14.30%	N/A	N/A	N/A	N/A	N/A	N/A	
20 Lancaster Close	Ground	Living Room/R1	W1	35.31	30.90	-12.49%	-12.49%	97.02%	86.90%	-10.43%	1.10%	0.97%	-11.27%	N/A	N/A	N/A	N/A	N/A	N/A	
	First	Bedroom/R1	W1	37.71	31.93	-15.33%	-15.33%	97.03%	86.44%	-10.92%	1.17%	1.00%	-14.30%	N/A	N/A	N/A	N/A	N/A	N/A	
19 Lancaster Close	Ground	Living Room/R1	W1	34.06	30.41	-10.70%	-10.70%	98.25%	91.48%	-6.89%	1.25%	1.13%	-9.42%	N/A	N/A	N/A	N/A	N/A	N/A	
		Living Room/R2	W2	27.95	26.43	-5.46%	-5.46%	98.98%	88.23%	-10.85%	1.59%	1.49%	-6.33%	N/A	N/A	N/A	N/A	N/A	N/A	
	First	Bedroom/R1	W1	37.69	31.92	-15.32%	-15.32%	98.29%	91.33%	-7.08%	1.37%	1.17%	-14.30%	N/A	N/A	N/A	N/A	N/A	N/A	
		Bedroom/R2	W2	37.70	31.94	-15.28%	-15.28%	92.70%	69.53%	-25.00%	0.42%	0.36%	-14.16%	N/A	N/A	N/A	N/A	N/A	N/A	
18 Lancaster Close	Ground	Landing/R1	W1	36.79	31.13	-15.39%	-15.36%	94.91%	94.91%	0.00%	1.01%	0.87%	-13.97%	N/A	N/A	N/A	N/A	N/A	N/A	
			W2	36.80	31.16	-15.34%	-15.34%	94.91%	94.91%	0.00%	1.01%	0.87%	-13.97%	N/A	N/A	N/A	N/A	N/A	N/A	
1-26 Cranwell Court	First	Landing/R1	W1	37.54	31.77	-15.37%	-15.37%	79.02%	78.80%	-0.28%	0.51%	0.44%	-14.18%	N/A	N/A	N/A	N/A	N/A	N/A	
	Ground	Living Room/R1	W1	36.41	31.03	-14.79%	-15.11%	98.56%	88.49%	-10.22%	1.33%	1.15%	-13.27%	N/A	N/A	N/A	N/A	N/A	N/A	
			W2	34.73	29.38	-15.42%	-15.42%	98.56%	88.49%	-10.22%	1.33%	1.15%	-13.27%	N/A	N/A	N/A	N/A	N/A	N/A	
		Living Room/R2	W3	36.75	31.39	-14.61%	-14.61%	96.14%	78.50%	-18.35%	0.90%	0.78%	-13.32%	N/A	N/A	N/A	N/A	N/A	N/A	
		Living Room/R3	W4	36.74	31.47	-14.37%	-14.37%	97.13%	85.65%	-11.82%	0.90%	0.78%	-13.14%	N/A	N/A	N/A	N/A	N/A	N/A	
		Living Room/R4	W5	35.23	30.00	-14.85%	-14.57%	98.45%	89.74%	-8.85%	1.34%	1.17%	-12.96%	N/A	N/A	N/A	N/A	N/A	N/A	
			W6	36.42	31.22	-14.29%	-14.57%	98.45%	89.74%	-8.85%	1.34%	1.17%	-12.96%	N/A	N/A	N/A	N/A	N/A	N/A	
	First	Living Room/R1	W1	37.10	31.66	-14.65%	-14.97%	98.56%	93.73%	-4.90%	1.35%	1.17%	-13.44%	N/A	N/A	N/A	N/A	N/A	N/A	
			W2	35.40	29.99	-15.28%	-14.97%	98.56%	93.73%	-4.90%	1.35%	1.17%	-13.44%	N/A	N/A	N/A	N/A	N/A	N/A	
		Living Room/R2	W3	37.39	31.97	-14.51%	-14.51%	96.14%	84.30%	-12.32%	0.92%	0.79%	-13.47%	N/A	N/A	N/A	N/A	N/A	N/A	
		Living Room/R3	W4	37.39	32.05	-14.27%	-14.27%	97.13%	90.26%	-7.07%	0.92%	0.80%	-13.29%	N/A	N/A	N/A	N/A	N/A	N/A	
		Living Room/R4	W5	35.89	30.61	-14.71%	-14.44%	98.45%	93.68%	-4.85%	1.36%	1.18%	-13.11%	N/A	N/A	N/A	N/A	N/A	N/A	
			W6	37.11	31.86	-14.16%	-14.44%	98.45%	93.68%	-4.85%	1.36%	1.18%	-13.11%	N/A	N/A	N/A	N/A	N/A	N/A	
		Second	Living Room/R1	W1	37.83	32.42	-14.29%	-14.46%	98.64%	96.33%	-2.34%	1.38%	1.20%	-13.40%	N/A	N/A	N/A	N/A	N/A	N/A
				W2	36.79	31.41	-14.63%	-14.46%	98.64%	96.33%	-2.34%	1.38%	1.20%	-13.40%	N/A	N/A	N/A	N/A	N/A	N/A
	Living Room/R2		W3	37.94	32.55	-14.23%	-14.23%	96.14%	87.56%	-8.93%	0.93%	0.81%	-13.45%	N/A	N/A	N/A	N/A	N/A	N/A	
	Living Room/R3		W4	37.94	32.63	-14.00%	-14.00%	97.13%	92.45%	-4.82%	0.93%	0.81%	-13.26%	N/A	N/A	N/A	N/A	N/A	N/A	
	Living Room/R4		W5	37.16	31.90	-14.16%	-14.00%	98.49%	96.47%	-2.05%	1.39%	1.21%	-13.09%	N/A	N/A	N/A	N/A	N/A	N/A	
			W6	37.83	32.59	-13.84%	-14.00%	98.49%	96.47%	-2.05%	1.39%	1.21%	-13.09%	N/A	N/A	N/A	N/A	N/A	N/A	
	1 Grahame Park Way	Ground	Living Room/R1	W1	36.04	32.16	-10.76%	-10.76%	99.22%	99.22%	0.00%	1.51%	1.36%	-9.95%	N/A	N/A	N/A	N/A	N/A	N/A
First		Bedroom/R1	W1	37.27	33.10	-11.19%	-11.19%	98.62%	98.62%	0.00%	1.45%	1.30%	-10.58%	N/A	N/A	N/A	N/A	N/A	N/A	
3 Grahame Park Way	Ground	Living Room/R1	W1	36.24	32.18	-11.21%	-11.21%	99.00%	98.95%	-0.06%	1.53%	1.37%	-10.33%	N/A	N/A	N/A	N/A	N/A	N/A	
	First	Bedroom/R1	W1	37.31	33.19	-11.05%	-11.05%	98.49%	98.49%	0.00%	1.60%	1.43%	-10.48%	N/A	N/A	N/A	N/A	N/A	N/A	
5 Grahame Park Way	Ground	Living Room/R1	W1	35.25	31.22	-11.43%	-11.43%	99.04%	98.97%	-0.06%	1.49%	1.34%	-10.20%	N/A	N/A	N/A	N/A	N/A	N/A	
	First	Bedroom/R1	W1	34.58	30.54	-11.68%	-11.68%	96.82%	96.82%	0.00%	1.44%	1.29%	-10.16%	N/A	N/A	N/A	N/A	N/A	N/A	
7 Grahame Park Way	Ground	Living Room/R1	W1	36.28	32.29	-10.99%	-10.99%	99.00%	99.00%	0.00%	1.53%	1.38%	-10.15%	N/A	N/A	N/A	N/A	N/A	N/A	
	First	Bedroom/R1	W1	37.47	33.43	-10.78%	-10.78%	98.69%	98.69%	0.00%	1.61%	1.44%	-10.25%	N/A	N/A	N/A	N/A	N/A	N/A	
9 Grahame Park Way	Ground	Living Room/R1	W1	34.58	30.63	-11.42%	-11.42%	99.07%	99.07%	0.00%	1.46%	1.32%	-9.96%	N/A	N/A	N/A	N/A	N/A	N/A	
	First	Bedroom/R1	W1	31.90	27.93	-12.44%	-12.44%	95.36%	95.36%	0.00%	1.34%	1.21%	-9.94%	N/A	N/A	N/A	N/A	N/A	N/A	
11 Grahame Park Way	Ground	Living Room/R1	W1	36.88	32.96	-10.63%	-10.63%	99.17%	99.17%	0.00%	1.54%	1.39%	-10.00%	N/A	N/A	N/A	N/A	N/A	N/A	
	First	Bedroom/R1	W1	37.58	33.60	-10.58%	-10.58%	98.70%	98.70%	0.00%	1.56%	1.40%	-10.11%	N/A	N/A	N/A	N/A	N/A	N/A	
13 Grahame Park Way	Ground	Living Room/R1	W1	36.88	32.99	-10.53%	-10.53%	99.11%	99.11%	0.00%	1.54%	1.39%	-9.95%	N/A	N/A	N/A	N/A	N/A	N/A	
	First	Bedroom/R1	W1	37.58	33.68	-10.38%	-10.38%	98.38%	98.38%	0.00%	1.56%	1.41%	-9.92%	N/A	N/A	N/A	N/A	N/A	N/A	
15 Grahame Park Way	Ground	Living Room/R1	W1	36.83	33.04	-10.28%	-10.28%	99.00%	99.00%	0.00%	1.54%	1.39%	-9.71%	N/A	N/A	N/A	N/A	N/A	N/A	
	First	Bedroom/R1	W1	37.58	33.73	-10.24%	-10.24%	98.65%	98.65%	0.00%	1.47%	1.33%	-9.82%	N/A	N/A	N/A	N/A	N/A	N/A	
17 Grahame Park Way	Ground	Kitchen/R1	W1	36.92	33.38	-9.58%	-9.58%	99.22%	99.22%	0.00%	1.54%	1.40%	-9.09%	N/A	N/A	N/A	N/A	N/A	N/A	

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Positive %age figures indicate an improvement
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				VSC				Daylight Distribution			ADF			APSH					
Address	Floor Level	Room Name	Window ID	Existing	Proposed	Window %age Diff	Room %age Diff	Existing	Proposed	%age Diff	Existing	Proposed	%age Diff	APSH Existing	APSH Proposed	%age Diff	Winter Existing	Winter Proposed	%age Diff
17 Grahame Park Way	First	Bedroom/R1	W1	37.68	34.13	-9.42%	-9.42%	98.62%	98.62%	0.00%	1.46%	1.33%	-9.08%	N/A	N/A	N/A	N/A	N/A	N/A
19 Grahame Park Way	Ground	Living Room/R1	W1	36.60	33.18	-9.33%	-9.33%	99.00%	99.00%	0.00%	1.54%	1.40%	-8.81%	N/A	N/A	N/A	N/A	N/A	N/A
	First	Bedroom/R1	W1	37.65	34.16	-9.25%	-9.25%	98.49%	98.49%	0.00%	1.62%	1.47%	-8.91%	N/A	N/A	N/A	N/A	N/A	N/A
21 Grahame Park Way	Ground	Living Room/R1	W1	35.59	32.21	-9.49%	-9.49%	99.04%	99.04%	0.00%	1.50%	1.37%	-8.65%	N/A	N/A	N/A	N/A	N/A	N/A
	First	Bedroom/R1	W1	34.86	31.48	-9.70%	-9.70%	96.82%	96.82%	0.00%	1.44%	1.32%	-8.62%	N/A	N/A	N/A	N/A	N/A	N/A
23 Grahame Park Way	Ground	Living Room/R1	W1	36.46	33.17	-9.04%	-9.04%	99.00%	99.00%	0.00%	1.54%	1.40%	-8.53%	N/A	N/A	N/A	N/A	N/A	N/A
	First	Bedroom/R1	W1	37.68	34.32	-8.91%	-8.91%	98.70%	98.70%	0.00%	1.62%	1.48%	-8.57%	N/A	N/A	N/A	N/A	N/A	N/A
25 Grahame Park Way	Ground	Living Room/R1	W1	34.78	31.53	-9.34%	-9.34%	99.06%	99.06%	0.00%	1.47%	1.35%	-8.31%	N/A	N/A	N/A	N/A	N/A	N/A
	First	Bedroom/R1	W1	32.10	28.85	-10.11%	-10.11%	95.23%	95.23%	0.00%	1.34%	1.23%	-8.16%	N/A	N/A	N/A	N/A	N/A	N/A
27 Grahame Park Way	Ground	Living Room/R1	W1	36.59	33.45	-8.59%	-8.59%	99.17%	99.17%	0.00%	1.53%	1.41%	-8.13%	N/A	N/A	N/A	N/A	N/A	N/A
	First	Bedroom/R1	W1	37.69	34.46	-8.57%	-8.57%	98.63%	98.63%	0.00%	1.56%	1.43%	-8.29%	N/A	N/A	N/A	N/A	N/A	N/A
29 Grahame Park Way	Ground	Living Room/R1	W1	36.01	33.31	-7.49%	-7.49%	99.11%	99.11%	0.00%	1.51%	1.41%	-7.00%	N/A	N/A	N/A	N/A	N/A	N/A
	First	Bedroom/R1	W1	37.61	34.49	-8.30%	-8.30%	98.37%	98.37%	0.00%	1.56%	1.44%	-8.03%	N/A	N/A	N/A	N/A	N/A	N/A
31 Grahame Park Way	Ground	Living Room/R1	W1	35.37	32.40	-8.40%	-8.40%	99.00%	99.00%	0.00%	1.48%	1.37%	-7.66%	N/A	N/A	N/A	N/A	N/A	N/A
	First	Bedroom/R1	W1	37.49	34.44	-8.12%	-8.12%	98.65%	98.65%	0.00%	1.47%	1.35%	-7.83%	N/A	N/A	N/A	N/A	N/A	N/A
33 Grahame Park Way	First	Landing/R1	W1	37.79	35.06	-7.24%	-7.24%	97.44%	97.44%	0.00%	1.28%	1.19%	-7.06%	N/A	N/A	N/A	N/A	N/A	N/A

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APPENDIX C

INTERNAL DAYLIGHT ADEQUACY TABLES

16336/LOC/850 – 855



Dwg No	Address	Floor Level	Room Name	Window ID	ADF (Room) %age	Pass Rate %age	Condition
-	Block A	Ground	Bedroom/R1	W1	4.50%	1.00%	Pass
-			Bedroom/R2	W2	6.38%	1.00%	Pass
-			Bedroom/R3	W3	3.43%	1.00%	Pass
-			Bedroom/R4	W4	7.67%	1.00%	Pass
-			Bedroom/R5	W5	17.66%	1.00%	Pass
-				W6			
-				W7			
-			Bedroom/R6	W8	2.87%	1.00%	Pass
-			LKD/R7	W9	10.52%	1.50%	Pass
-				W10			
-				W11			
-				W12			
-			Bedroom/R8	W13	3.76%	1.00%	Pass
-			Living Room/R9	W14	4.71%	1.50%	Pass
-		Living Room/R10	W15	4.78%	1.50%	Pass	
-		Bedroom/R11	W15	9.75%	1.00%	Pass	
-			W16				
-		Bedroom/R12	W16	3.94%	1.00%	Pass	
-		Living Room/R13	W17	3.89%	1.50%	Pass	
-		Bedroom/R14	W18	2.80%	1.00%	Pass	
-		LKD/R15	W19	3.92%	1.50%	Pass	
-			W20				
-			W21				
-		First	Bedroom/R1	W1	4.45%	1.00%	Pass
-			Bedroom/R2	W2	17.74%	1.00%	Pass
-				W3			
-	Bedroom/R3		W3	24.83%	1.00%	Pass	
-			W4				
-	Bedroom/R4		W5	27.84%	1.00%	Pass	
-			W6				
-			W7				
-			W8				
-	Bedroom/R5		W9	28.97%	1.00%	Pass	
-			W10				
-			W11				
-	Bedroom/R6		W12	7.85%	1.00%	Pass	
-	LKD/R7		W13	11.16%	1.50%	Pass	
-		W14					
-		W15					
-		W16					
-	Bedroom/R8	W17	7.02%	1.00%	Pass		
-	Living Room/R9	W18	8.47%	1.50%	Pass		
-	Bedroom/R10	W19	8.51%	1.00%	Pass		
-	Bedroom/R11	W19	17.98%	1.00%	Pass		
-		W20					
-	Bedroom/R12	W20	7.42%	1.00%	Pass		
-	Living Room/R13	W21	6.99%	1.50%	Pass		
-	Bedroom/R14	W22	5.27%	1.00%	Pass		
-	LKD/R15	W23	6.02%	1.50%	Pass		
-		W24					
-		W25					
-		W26					

Dwg No	Address	Floor Level	Room Name	Window ID	ADF (Room) %age	Pass Rate %age	Condition
-	Block B	Ground	Living Room/R1	W1	0.05%	1.50%	Fail
-			Bedroom/R2	W2	0.00%	1.00%	Fail
-			Bedroom/R3	W3	1.73%	1.00%	Pass
-			Bedroom/R4	W3	1.46%	1.00%	Pass
-			Living Room/R5	W4	0.00%	1.50%	Fail
-			Bedroom/R6	W5	0.00%	1.00%	Fail
-			Bedroom/R7	W5	0.00%	1.00%	Fail
-			Living Room/R8	W6	0.96%	1.50%	Fail
-			LKD/R9	W7	2.29%	1.50%	Pass
-				W8			
-				W9			
-			Bedroom/R10	W10	7.43%	1.00%	Pass
-				W11			
-			Bedroom/R11	W12	2.55%	1.00%	Pass
-		W13					
-		Bedroom/R12	W14	1.38%	1.00%	Pass	
-		Bedroom/R13	W15	2.32%	1.00%	Pass	
-		First	Living Room/R1	W1	0.07%	1.50%	Fail
-			Bedroom/R2	W2	0.01%	1.00%	Fail
-			Living Room/R3	W3	0.46%	1.50%	Fail
-			Living Room/R4	W4	0.00%	1.50%	Fail
-			Bedroom/R5	W5	0.42%	1.00%	Fail
-			Bedroom/R6	W5	0.46%	1.00%	Fail
-			Living Room/R7	W6	0.00%	1.50%	Fail
-			Bedroom/R8	W7	0.38%	1.00%	Fail
-		LKD/R9	W8	2.30%	1.50%	Pass	
-			W9				
-			W10				
-			W11				
-		Bedroom/R10	W11	7.46%	1.00%	Pass	
-			W12				
-		Bedroom/R11	W13	2.58%	1.00%	Pass	
-			W14				
-		Bedroom/R12	W15	1.40%	1.00%	Pass	
-		Bedroom/R13	W16	2.33%	1.00%	Pass	
-		Ground	Bedroom/R1	W1	3.54%	1.00%	Pass
-	Bedroom/R2		W2	1.66%	1.00%	Pass	
-	Bedroom/R3		W3	1.73%	1.00%	Pass	
-	Bedroom/R4		W4	4.43%	1.00%	Pass	
-			W5				
-	Living Room/R5		W6	1.19%	1.50%	Fail	
-	Bedroom/R6		W7	0.09%	1.00%	Fail	
-	Bedroom/R7		W8	1.47%	1.00%	Pass	
-	Living Room/R8		W8	1.10%	1.50%	Fail	
-	Living Room/R9		W9	1.03%	1.50%	Fail	
-	Bedroom/R10		W10	0.03%	1.00%	Fail	
-	Bedroom/R11		W10	0.02%	1.00%	Fail	
-	Bedroom/R12		W11	1.44%	1.00%	Pass	
-	Living Room/R13	W12	1.63%	1.50%	Pass		
-	First	Bedroom/R1	W1	3.54%	1.00%	Pass	
-		Bedroom/R2	W2	1.66%	1.00%	Pass	
-		Bedroom/R3	W3	1.73%	1.00%	Pass	

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Dwg No	Address	Floor Level	Room Name	Window ID	ADF (Room) %age	Pass Rate %age	Condition		
-	Block C	First	Bedroom/R4	W4	4.43%	1.00%	Pass		
-				W5					
-			Living Room/R5	W6	0.02%	1.50%	Fail		
-			Bedroom/R6	W7	0.08%	1.00%	Fail		
-			Living Room/R7	W8	0.45%	1.50%	Fail		
-			Living Room/R8	W9	0.01%	1.50%	Fail		
-			Bedroom/R9	W10	0.49%	1.00%	Fail		
-			Bedroom/R10	W10	0.54%	1.00%	Fail		
-			Living Room/R11	W11	0.02%	1.50%	Fail		
-			Bedroom/R12	W12	0.72%	1.00%	Fail		
-			Living Room/R13	W13	0.12%	1.50%	Fail		
-			Block D	Ground	Bedroom/R1	W1	1.12%	1.00%	Pass
-					Living Room/R2	W2	0.05%	1.50%	Fail
-	Living Room/R3	W3			0.03%	1.50%	Fail		
-	Bedroom/R4	W4			0.07%	1.00%	Fail		
-	Bedroom/R5	W4			0.06%	1.00%	Fail		
-	Bedroom/R6	W5			0.94%	1.00%	Fail		
-	Bedroom/R7	W6			4.79%	1.00%	Pass		
-		W7							
-	Bedroom/R8	W8			3.91%	1.00%	Pass		
-	Living Room/R9	W9			2.29%	1.50%	Pass		
-	Living Room/R10	W10			3.68%	1.50%	Pass		
-		W11							
-	Bedroom/R11	W12			1.87%	1.00%	Pass		
-	Bedroom/R12	W13			1.55%	1.00%	Pass		
-	Bedroom/R13	W14			1.65%	1.00%	Pass		
-	Bedroom/R14	W15		5.52%	1.00%	Pass			
-	Living Room/R15	W15		2.86%	1.50%	Pass			
-		W16							
-	Living Room/R16	W17		0.90%	1.50%	Fail			
-		W18							
-	Bedroom/R17	W19		1.43%	1.00%	Pass			
-	First	Bedroom/R1		W1	0.87%	1.00%	Fail		
-				W32					
-		Bedroom/R2		W2	2.01%	1.00%	Pass		
-		Bedroom/R3		W3	2.04%	1.00%	Pass		
-		Bedroom/R4		W4	0.59%	1.00%	Fail		
-				W5					
-		Living Room/R5		W6	0.82%	1.50%	Fail		
-				W7					
-		Bedroom/R6		W8	0.58%	1.00%	Fail		
-				W9					
-		Living Room/R7	W10	2.28%	1.50%	Pass			
-		Living Room/R8	W10	3.29%	1.50%	Pass			
-			W11						
-		Bedroom/R9	W11	7.05%	1.00%	Pass			
-			W12						
-	Bedroom/R10	W12	3.20%	1.00%	Pass				
-	Bedroom/R11	W13	0.52%	1.00%	Fail				
-	Bedroom/R12	W14	4.83%	1.00%	Pass				
-		W15							
-	Bedroom/R13	W16	3.95%	1.00%	Pass				

Dwg No	Address	Floor Level	Room Name	Window ID	ADF (Room) %age	Pass Rate %age	Condition		
-	Block D	First	Living Room/R14	W17	2.31%	1.50%	Pass		
-			Living Room/R15	W18	3.75%	1.50%	Pass		
-				W19					
-			Bedroom/R16	W20	1.90%	1.00%	Pass		
-			Bedroom/R17	W21	5.26%	1.00%	Pass		
-			Bedroom/R18	W22	1.81%	1.00%	Pass		
-			Bedroom/R19	W23	1.71%	1.00%	Pass		
-			LKD/R20	W24	2.50%	1.50%	Pass		
-				W25					
-				W26					
-			Living Room/R21	W27	1.13%	1.50%	Fail		
-			Bedroom/R22	W28	1.45%	1.00%	Pass		
-			Living Room/R23	W29	1.35%	1.50%	Fail		
-				W30					
-				W31					
-			Block E	Ground	Bedroom/R1	W1	2.60%	1.00%	Pass
-					Bedroom/R2	W2	1.65%	1.00%	Pass
-					Bedroom/R3	W3	1.70%	1.00%	Pass
-					Bedroom/R4	W4	2.93%	1.00%	Pass
-	Living Room/R5	W5			1.89%	1.50%	Pass		
-	Bedroom/R6	W6			0.05%	1.00%	Fail		
-	Bedroom/R7	W7			1.54%	1.00%	Pass		
-	Living Room/R8	W7			1.15%	1.50%	Fail		
-	Living Room/R9	W8			1.16%	1.50%	Fail		
-	Bedroom/R10	W9			0.07%	1.00%	Fail		
-	Bedroom/R11	W9			0.06%	1.00%	Fail		
-	Bedroom/R12	W10			1.77%	1.00%	Pass		
-	Living Room/R13	W11			2.37%	1.50%	Pass		
-	Block E	First			Bedroom/R1	W1	2.60%	1.00%	Pass
-					Bedroom/R2	W2	1.63%	1.00%	Pass
-			Bedroom/R3	W3	1.70%	1.00%	Pass		
-			Bedroom/R4	W4	2.94%	1.00%	Pass		
-			Living Room/R5	W5	0.11%	1.50%	Fail		
-			Bedroom/R6	W6	0.05%	1.00%	Fail		
-			Living Room/R7	W7	0.71%	1.50%	Fail		
-			Living Room/R8	W8	0.05%	1.50%	Fail		
-			Bedroom/R9	W9	1.13%	1.00%	Pass		
-			Bedroom/R10	W9	1.23%	1.00%	Pass		
-			Living Room/R11	W10	0.05%	1.50%	Fail		
-			Bedroom/R12	W11	1.26%	1.00%	Pass		
-			Living Room/R13	W12	0.57%	1.50%	Fail		
-			Block F	Ground	Bedroom/R1	W1	1.13%	1.00%	Pass
-					Living Room/R2	W2	0.05%	1.50%	Fail
-	Living Room/R3	W3			0.04%	1.50%	Fail		
-	Bedroom/R4	W4			0.08%	1.00%	Fail		
-	Bedroom/R5	W4			0.07%	1.00%	Fail		
-	Bedroom/R6	W5			0.94%	1.00%	Fail		
-	Bedroom/R7	W6			4.78%	1.00%	Pass		
-		W7							
-	Bedroom/R8	W8			3.90%	1.00%	Pass		
-	Living Room/R9	W9	2.28%	1.50%	Pass				

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Dwg No	Address	Floor Level	Room Name	Window ID	ADF (Room) %age	Pass Rate %age	Condition	
-	Block F	Ground	Living Room/R10	W10	3.69%	1.50%	Pass	
-				W11				
-			Bedroom/R11	W12	1.88%	1.00%	Pass	
-			Bedroom/R12	W13	1.58%	1.00%	Pass	
-			Bedroom/R13	W14	1.68%	1.00%	Pass	
-			Bedroom/R14	W15	5.62%	1.00%	Pass	
-			Living Room/R15	W16	2.90%	1.50%	Pass	
-				W17				
-				W18				
-			Bedroom/R17	W19	1.55%	1.00%	Pass	
-			First	Bedroom/R1	W1	1.39%	1.00%	Pass
-					W32			
-				Bedroom/R2	W2	2.61%	1.00%	Pass
-				Bedroom/R3	W3	2.56%	1.00%	Pass
-		Bedroom/R4		W4	0.27%	1.00%	Fail	
-				W5				
-		Living Room/R5		W6	0.78%	1.50%	Fail	
-				W7				
-				W8				
-		Bedroom/R6		W9	0.57%	1.00%	Fail	
-		Living Room/R7		W10	2.18%	1.50%	Pass	
-				W11				
-		Living Room/R8		W11	3.18%	1.50%	Pass	
-				W12				
-		Bedroom/R9		W12	7.05%	1.00%	Pass	
-				W13				
-		Bedroom/R10		W12	3.28%	1.00%	Pass	
-		Bedroom/R11		W13	0.54%	1.00%	Fail	
-		Bedroom/R12		W14	4.84%	1.00%	Pass	
-			W15					
-		Bedroom/R13	W16	3.96%	1.00%	Pass		
-		Living Room/R14	W17	2.30%	1.50%	Pass		
-		Living Room/R15	W18	3.76%	1.50%	Pass		
-	W19							
-	Bedroom/R16	W20	1.91%	1.00%	Pass			
-	Bedroom/R17	W21	5.32%	1.00%	Pass			
-	Bedroom/R18	W22	1.84%	1.00%	Pass			
-	Bedroom/R19	W23	1.74%	1.00%	Pass			
-	LKD/R20	W24	2.56%	1.50%	Pass			
-		W25						
-		W26						
-	Living Room/R21	W27	1.21%	1.50%	Fail			
-	Bedroom/R22	W28	1.59%	1.00%	Pass			
-		W29						
-	Living Room/R23	W30	1.53%	1.50%	Pass			
-		W31						
-		W32						
-	Block G	Ground	Bedroom/R1	W1	2.30%	1.00%	Pass	
-			Bedroom/R2	W2	2.50%	1.00%	Pass	
-			Living Room/R3	W3	1.41%	1.50%	Fail	
-			Bedroom/R4	W4	0.74%	1.00%	Fail	
-			Living Room/R5	W5	1.60%	1.50%	Pass	
-			Bedroom/R6	W6	0.72%	1.00%	Fail	

Dwg No	Address	Floor Level	Room Name	Window ID	ADF (Room) %age	Pass Rate %age	Condition	
-	Block G	Ground	Living Room/R7	W6	0.54%	1.50%	Fail	
-			Bedroom/R1	W1	2.30%	1.00%	Pass	
-		First	Bedroom/R2	W2	2.50%	1.00%	Pass	
-			Living Room/R3	W3	0.94%	1.50%	Fail	
-			Living Room/R4	W4	0.73%	1.50%	Fail	
-			Bedroom/R5	W5	1.56%	1.00%	Pass	
-			Bedroom/R6	W5	1.83%	1.00%	Pass	
-			Bedroom/R7	W6	1.03%	1.00%	Pass	
-			Bedroom/R8	W6	0.88%	1.00%	Fail	
-			Living Room/R9	W7	0.50%	1.50%	Fail	
-			Ground	Bedroom/R1	W1	1.31%	1.00%	Pass
-				Living Room/R2	W2	0.15%	1.50%	Fail
-		Living Room/R3		W3	0.11%	1.50%	Fail	
-		Bedroom/R4		W4	0.22%	1.00%	Fail	
-		Bedroom/R5		W4	0.21%	1.00%	Fail	
-		Bedroom/R6		W5	1.11%	1.00%	Pass	
-		Bedroom/R7		W6	4.74%	1.00%	Pass	
-				W7				
-		Bedroom/R8		W8	3.90%	1.00%	Pass	
-		Living Room/R9		W9	2.65%	1.50%	Pass	
-		Living Room/R10		W10	3.71%	1.50%	Pass	
-				W11				
-		Bedroom/R11		W12	1.90%	1.00%	Pass	
-		Bedroom/R1		W1	1.85%	1.00%	Pass	
-				W32				
-		Bedroom/R2		W2	3.04%	1.00%	Pass	
-		Bedroom/R3		W3	3.08%	1.00%	Pass	
-		Bedroom/R4		W4	0.98%	1.00%	Fail	
-				W5				
-		Living Room/R5	W6	0.85%	1.50%	Fail		
-			W7					
-			W8					
-		Bedroom/R6	W9	0.73%	1.00%	Fail		
-	Living Room/R7	W10	2.50%	1.50%	Pass			
-	Living Room/R8	W11	1.86%	1.50%	Pass			
-	Bedroom/R9	W11	8.01%	1.00%	Pass			
-		W12						
-	Bedroom/R10	W12	3.72%	1.00%	Pass			
-	Bedroom/R11	W13	0.68%	1.00%	Fail			
-	Bedroom/R12	W14	4.80%	1.00%	Pass			
-		W15						
-	Bedroom/R13	W16	3.95%	1.00%	Pass			
-	Living Room/R14	W17	2.68%	1.50%	Pass			
-	Living Room/R15	W18	3.77%	1.50%	Pass			
-		W19						
-	Bedroom/R16	W20	1.92%	1.00%	Pass			
-	Bedroom/R17	W21	5.38%	1.00%	Pass			
-	Bedroom/R18	W22	1.88%	1.00%	Pass			
-	Bedroom/R19	W23	1.81%	1.00%	Pass			
-		W24						
-		W25						
-		W26						

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Dwg No	Address	Floor Level	Room Name	Window ID	ADF (Room) %age	Pass Rate %age	Condition	
-	Block H	First	Living Room/R21	W27	1.50%	1.50%	Fail	
-			Bedroom/R22	W28	1.77%	1.00%	Pass	
-			Living Room/R23	W29	1.74%	1.50%	Pass	
-				W30				
-				W31				
-	Block I	Ground	Bedroom/R1	W1	2.85%	1.00%	Pass	
-			Bedroom/R2	W2	2.96%	1.00%	Pass	
-			LKD/R3	W3	0.28%	1.50%	Fail	
-				W4				
-			LKD/R4	W5	0.43%	1.50%	Fail	
-			Bedroom/R5	W6	1.30%	1.00%	Pass	
-				W7				
-			LKD/R6	W8	1.17%	1.50%	Fail	
-				W9				
-				W10				
-		Bedroom/R7	W11	0.45%	1.00%	Fail		
-		Block I	First	Bedroom/R1	W1	2.73%	1.00%	Pass
-				Bedroom/R2	W2	2.98%	1.00%	Pass
-				LKD/R3	W3	0.30%	1.50%	Fail
-					W4			
-	Living Room/R4			W5	1.22%	1.50%	Fail	
-				W6				
-				W7				
-	Bedroom/R5			W8	1.80%	1.00%	Pass	
-				W9				
-	Bedroom/R6			W10	2.84%	1.00%	Pass	
-	LKD/R7	W11	2.71%	1.50%	Pass			
-		W12						
-		W13						
-	Bedroom/R8	W14	0.44%	1.00%	Fail			
-	Block J	Ground	Bedroom/R1	W1	2.58%	1.00%	Pass	
-			Bedroom/R2	W2	3.66%	1.00%	Pass	
-			Bedroom/R3	W3	2.92%	1.00%	Pass	
-			Bedroom/R4	W4	3.82%	1.00%	Pass	
-				W5				
-			Bedroom/R5	W6	2.53%	1.00%	Pass	
-			Bedroom/R6	W7	2.42%	1.00%	Pass	
-			Bedroom/R7	W8	1.60%	1.00%	Pass	
-			Bedroom/R8	W9	1.54%	1.00%	Pass	
-			LKD/R9	W10	0.79%	1.50%	Fail	
-				W11				
-			Living Room/R10	W12	0.38%	1.50%	Fail	
-			Living Room/R11	W13	0.32%	1.50%	Fail	
-			Bedroom/R12	W14	1.57%	1.00%	Pass	
-			Living Room/R13	W15	0.01%	1.50%	Fail	
-			Bedroom/R14	W16	1.64%	1.00%	Pass	
-				W17				
-			Bedroom/R15	W18	0.00%	1.00%	Fail	
-	Bedroom/R16	W19	2.19%	1.00%	Pass			
-		W20						
-	LKD/R17	W21	0.31%	1.50%	Fail			
-	Bedroom/R18	W22	0.90%	1.00%	Fail			

Dwg No	Address	Floor Level	Room Name	Window ID	ADF (Room) %age	Pass Rate %age	Condition
-	Block J	First	Bedroom/R1	W1	2.50%	1.00%	Pass
-			Bedroom/R2	W2	3.66%	1.00%	Pass
-			Bedroom/R3	W3	2.92%	1.00%	Pass
-			Bedroom/R4	W4	3.74%	1.00%	Pass
-				W5			
-			Bedroom/R5	W6	2.47%	1.00%	Pass
-			Bedroom/R6	W7	2.36%	1.00%	Pass
-			Bedroom/R7	W8	1.56%	1.00%	Pass
-			Bedroom/R8	W9	1.44%	1.00%	Pass
-			LKD/R9	W10	2.07%	1.50%	Pass
-				W11			
-			Living Room/R10	W12	3.53%	1.50%	Pass
-			Living Room/R11	W13	3.04%	1.50%	Pass
-			Bedroom/R12	W14	1.21%	1.00%	Pass
-			Living Room/R13	W15	0.21%	1.50%	Fail
-				W16			
-			Bedroom/R14	W17	1.71%	1.00%	Pass
-				W18			
-			Bedroom/R15	W19	3.40%	1.00%	Pass
-			Bedroom/R16	W20	3.42%	1.00%	Pass
-			Bedroom/R17	W21	2.40%	1.00%	Pass
-				W22			
-			Living Room/R18	W23	1.65%	1.50%	Pass
-				W24			
-				W25			
-	Living Room/R19	W26	0.89%	1.50%	Fail		
-	Block K	First	Living Room/R1	W1	0.41%	1.50%	Fail
-			Bedroom/R2	W2	2.65%	1.00%	Pass
-			Living Room/R3	W3	5.41%	1.50%	Pass
-				W4			
-			Bedroom/R4	W5	3.42%	1.00%	Pass
-			Bedroom/R5	W6	3.04%	1.00%	Pass
-			Living Room/R6	W7	6.00%	1.50%	Pass
-				W8			
-				W9			
-			Living Room/R7	W10	2.09%	1.50%	Pass
-			Bedroom/R8	W11	5.44%	1.00%	Pass
-				W12			
-			Living Room/R9	W13	0.53%	1.50%	Fail
-				W14			
-			Bedroom/R10	W15	14.23%	1.00%	Pass
-	W16						
-	Bedroom/R11	W17	12.38%	1.00%	Pass		
-		W18					
-		W19					
-	Bedroom/R12	W20	12.83%	1.00%	Pass		
-		W21					
-	Bedroom/R13	W22	8.39%	1.00%	Pass		
-		W23					
-	Block L	Ground	Bedroom/R1	W1	13.40%	1.00%	Pass
-				W17			

Red Text Cells do not meet the BRE recommendations
Positive %age figures indicate an improvement
in the natural lighting conditions

Dwg No	Address	Floor Level	Room Name	Window ID	ADF (Room) %age	Pass Rate %age	Condition				
-	Block L	Ground	Bedroom/R2	W2	12.87%	1.00%	Pass				
-				W3							
-				W4							
-			Bedroom/R3	W5	12.85%	1.00%	Pass				
-				W6							
-				W7							
-			Bedroom/R4	W8	13.77%	1.00%	Pass				
-				W9							
-				LKD/R5							
-			Living Room/R6	W10	2.31%	1.50%	Pass				
-				W11							
-				W12							
-			Bedroom/R7	W12	4.83%	1.00%	Pass				
-				Bedroom/R8				W12	5.69%	1.00%	Pass
-								Living Room/R9			
-		Bedroom/R10	W13	10.42%	1.00%	Pass					
-			W14								
-			W14								
-		Bedroom/R11	W14	3.70%	1.00%	Pass					
-			Bedroom/R12				W15	3.88%	1.00%	Pass	
-							LKD/R13				W16
-		First	Bedroom/R1	W1	13.69%	1.00%	Pass				
-				W18							
-				W2							
-			Bedroom/R2	W3	12.88%	1.00%	Pass				
-				W4							
-				W5							
-			Bedroom/R3	W6	12.87%	1.00%	Pass				
-				W7							
-				W8							
-			Bedroom/R4	W9	13.84%	1.00%	Pass				
-				Living Room/R5				W10	0.43%	1.50%	Fail
-								Bedroom/R6			
-	Living Room/R7		W12	2.63%	1.50%	Pass					
-			Living Room/R8				W13	2.34%	1.50%	Pass	
-							Bedroom/R9				W14
-	Bedroom/R10	W14	4.22%	1.00%	Pass						
-		Living Room/R11				W15	2.04%	1.50%	Pass		
-						Bedroom/R12				W16	2.75%
-	Living Room/R13	W17	0.78%	1.50%	Fail						
-		Bedroom/R1				W1	1.88%	1.00%	Pass		
-						Living Room/R2				W2	1.24%
-	Block M	Ground	Bedroom/R3	W3	0.54%	1.00%	Fail				
-			Living Room/R4	W4	0.30%	1.50%	Fail				
-			Living Room/R5	W5	0.37%	1.50%	Fail				
-			Bedroom/R6	W6	1.09%	1.00%	Pass				
-				Bedroom/R7				W7	2.21%	1.00%	Pass
-								Living Room/R8			
-			Living Room/R9	W9	3.96%	1.50%	Pass				
-				Bedroom/R10				W10	2.89%	1.00%	Pass
-								Bedroom/R11			
-			Bedroom/R12	W13	4.56%	1.00%	Pass				
-				W14							
-				W15							

Dwg No	Address	Floor Level	Room Name	Window ID	ADF (Room) %age	Pass Rate %age	Condition			
-	Block M	Ground	Bedroom/R13	W16	0.97%	1.00%	Fail			
-			Bedroom/R1	W1	1.38%	1.00%	Pass			
-				Living Room/R2				W2	0.97%	1.50%
-		Living Room/R3	W3	5.21%	1.50%	Pass				
-			W4							
-			W4							
-		Bedroom/R4	W5	9.40%	1.00%	Pass				
-			Living Room/R5				W5	3.25%	1.50%	Pass
-							Bedroom/R6			
-		Living Room/R7	W7	1.10%	1.50%	Fail				
-			W8							
-			W9							
-		Bedroom/R8	W10	1.35%	1.00%	Pass				
-			W11							
-			W12							
-		Bedroom/R9	W12	3.06%	1.00%	Pass				
-		Bedroom/R10	W13	3.00%	1.00%	Pass				
-		Bedroom/R11	W14	1.21%	1.00%	Pass				
-			W15							
-			W16							
-		Living Room/R12	W17	1.31%	1.50%	Fail				
-			W18							
-			W19							
-		Bedroom/R19	W19	2.24%	1.00%	Pass				
-		Living Room/R20	W20	4.08%	1.50%	Pass				
-			W21							
-		Living Room/R21	W22	3.98%	1.50%	Pass				
-		Bedroom/R22	W23	2.92%	1.00%	Pass				
-		Bedroom/R23	W24	2.93%	1.00%	Pass				
-		Bedroom/R24	W25	4.63%	1.00%	Pass				
-			W26							
-			W27							
-		Bedroom/R25	W28	0.99%	1.00%	Fail				
-		Block N	Ground	Bedroom/R1	W1	2.93%	1.00%	Pass		
-				Bedroom/R2	W2	3.57%	1.00%	Pass		
-				Bedroom/R3	W3	2.73%	1.00%	Pass		
-				Living Room/R4	W4	0.94%	1.50%	Fail		
-				Living Room/R5	W5	0.25%	1.50%	Fail		
-				Bedroom/R6	W6	1.59%	1.00%	Pass		
-					W7					
-				Bedroom/R7	W8	0.00%	1.00%	Fail		
-				Bedroom/R8	W9	2.48%	1.00%	Pass		
-					W10					
-			Living Room/R9	W11	0.31%	1.50%	Fail			
-			First	Bedroom/R1	W1	3.00%	1.00%	Pass		
-				Bedroom/R2	W2	3.57%	1.00%	Pass		
-				Bedroom/R3	W3	2.64%	1.00%	Pass		
-				Living Room/R4	W4	0.81%	1.50%	Fail		
-		Living Room/R5		W5	1.35%	1.50%	Fail			
-				W6						
-				W7						
-		Bedroom/R6		W8	1.98%	1.00%	Pass			
-				W9						
-		Bedroom/R7		W10	3.54%	1.00%	Pass			

Red Text Cells do not meet the BRE recommendations
Positive %age figures indicate an improvement
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Dwg No	Address	Floor Level	Room Name	Window ID	ADF (Room) %age	Pass Rate %age	Condition	
-	Block N	First	Bedroom/R8	W11	3.57%	1.00%	Pass	
-			Bedroom/R9	W12	2.59%	1.00%	Pass	
-			Living Room/R10	W13	0.29%	1.50%	Fail	
-	Block O	Ground	Bedroom/R1	W1	2.76%	1.00%	Pass	
-			Bedroom/R2	W2	2.70%	1.00%	Pass	
-			Bedroom/R3	W3	1.44%	1.00%	Pass	
-			Bedroom/R4	W4	1.56%	1.00%	Pass	
-			Bedroom/R5	W5	2.35%	1.00%	Pass	
-			Bedroom/R6	W6	2.46%	1.00%	Pass	
-			Bedroom/R7	W7	1.87%	1.00%	Pass	
-			Bedroom/R8	W8	1.69%	1.00%	Pass	
-			Living Room/R9	W9	0.42%	1.50%	Fail	
-			LKD/R10	W10	0.38%	1.50%	Fail	
-		LKD/R11	W11	0.87%	1.50%	Fail		
-			W12					
-		Bedroom/R12	W13	0.49%	1.00%	Fail		
-			W14					
-		Living Room/R13	W15	0.82%	1.50%	Fail		
-			W16					
-		Bedroom/R14	W17	2.95%	1.00%	Pass		
-			W18					
-		Bedroom/R15	W18	0.56%	1.00%	Fail		
-		Living Room/R16	W19	0.25%	1.50%	Fail		
-	Block P	Ground	Bedroom/R1	W1	2.76%	1.00%	Pass	
-			Bedroom/R2	W2	2.70%	1.00%	Pass	
-			Bedroom/R3	W3	1.44%	1.00%	Pass	
-			Bedroom/R4	W4	1.56%	1.00%	Pass	
-			Bedroom/R5	W5	2.35%	1.00%	Pass	
-			Bedroom/R6	W6	2.46%	1.00%	Pass	
-			Bedroom/R7	W7	3.85%	1.00%	Pass	
-			W8					
-		Bedroom/R8	W9	1.32%	1.00%	Pass		
-		Living Room/R9	W10	3.24%	1.50%	Pass		
-		Living Room/R10	W11	2.98%	1.50%	Pass		
-		LKD/R11	W12	2.23%	1.50%	Pass		
-			W13					
-		Bedroom/R12	W14	0.49%	1.00%	Fail		
-			W15					
-		Living Room/R13	W16	4.45%	1.50%	Pass		
-			W17					
-	Bedroom/R14	W18	3.59%	1.00%	Pass			
-		W19						
-	Bedroom/R15	W20	2.99%	1.00%	Pass			
-		W21						
-	Living Room/R16	W22	1.29%	1.50%	Fail			
-		W23						
-	Living Room/R17	W23	0.32%	1.50%	Fail			
-		W1						
-	Block P	Ground	Living Room/R1	W2	0.82%	1.50%	Fail	
-				W3				
-			Bedroom/R2	W4	3.30%	1.00%	Pass	
-				W5				
-		Bedroom/R3	W6	1.99%	1.00%	Pass		

Dwg No	Address	Floor Level	Room Name	Window ID	ADF (Room) %age	Pass Rate %age	Condition
-	Block P	Ground	LKD/R4	W7	4.03%	1.50%	Pass
-				W8			
-				W9			
-			Bedroom/R5	W10	2.63%	1.00%	Pass
-			LKD/R1	W1	7.10%	1.50%	Pass
-		W2					
-		W3					
-		W26					
-		W27					
-		Living Room/R2	W4	3.13%	1.50%	Pass	
-		Bedroom/R3	W5	2.20%	1.00%	Pass	
-		Bedroom/R4	W6	2.59%	1.00%	Pass	
-		Bedroom/R5	W7	4.70%	1.00%	Pass	
-			W8				
-		LKD/R6	W9	0.56%	1.50%	Fail	
-			W10				
-			W11				
-		Living Room/R7	W12	0.57%	1.50%	Fail	
-			W13				
-			W14				
-	W15						
-	W16						
-	Bedroom/R8	W15	2.36%	1.00%	Pass		
-		W16					
-	Bedroom/R9	W17	2.04%	1.00%	Pass		
-	LKD/R10	W18	4.14%	1.50%	Pass		
-		W19					
-		W20					
-	Bedroom/R11	W21	2.71%	1.00%	Pass		
-	Bedroom/R12	W22	1.47%	1.00%	Pass		
-	Bedroom/R13	W23	2.50%	1.00%	Pass		
-	Bedroom/R14	W24	6.74%	1.00%	Pass		
-		W25					
-	Block Q	Ground	Bedroom/R1	W1	5.47%	1.00%	Pass
-				W13			
-			Bedroom/R2	W2	1.73%	1.00%	Pass
-			Bedroom/R3	W3	1.73%	1.00%	Pass
-			Bedroom/R4	W4	5.35%	1.00%	Pass
-		W5					
-		Living Room/R5	W6	1.65%	1.50%	Pass	
-		Bedroom/R6	W7	0.98%	1.00%	Fail	
-		Bedroom/R7	W8	2.62%	1.00%	Pass	
-		Living Room/R8	W8	2.02%	1.50%	Pass	
-		Living Room/R9	W9	1.96%	1.50%	Pass	
-		Bedroom/R10	W10	1.39%	1.00%	Pass	
-		Bedroom/R11	W10	1.21%	1.00%	Pass	
-	Bedroom/R12	W11	2.25%	1.00%	Pass		
-	Living Room/R13	W12	2.07%	1.50%	Pass		
-	Block Q	First	Bedroom/R1	W1	5.48%	1.00%	Pass
-				W14			
-			Bedroom/R2	W2	1.71%	1.00%	Pass
-			Bedroom/R3	W3	1.71%	1.00%	Pass
-	Bedroom/R4	W4	5.35%	1.00%	Pass		
-		W5					

Red Text Cells do not meet the BRE recommendations
Positive %age figures indicate an improvement
in the natural lighting conditions

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Floor Plan
 Room Layouts
 Unit Layouts

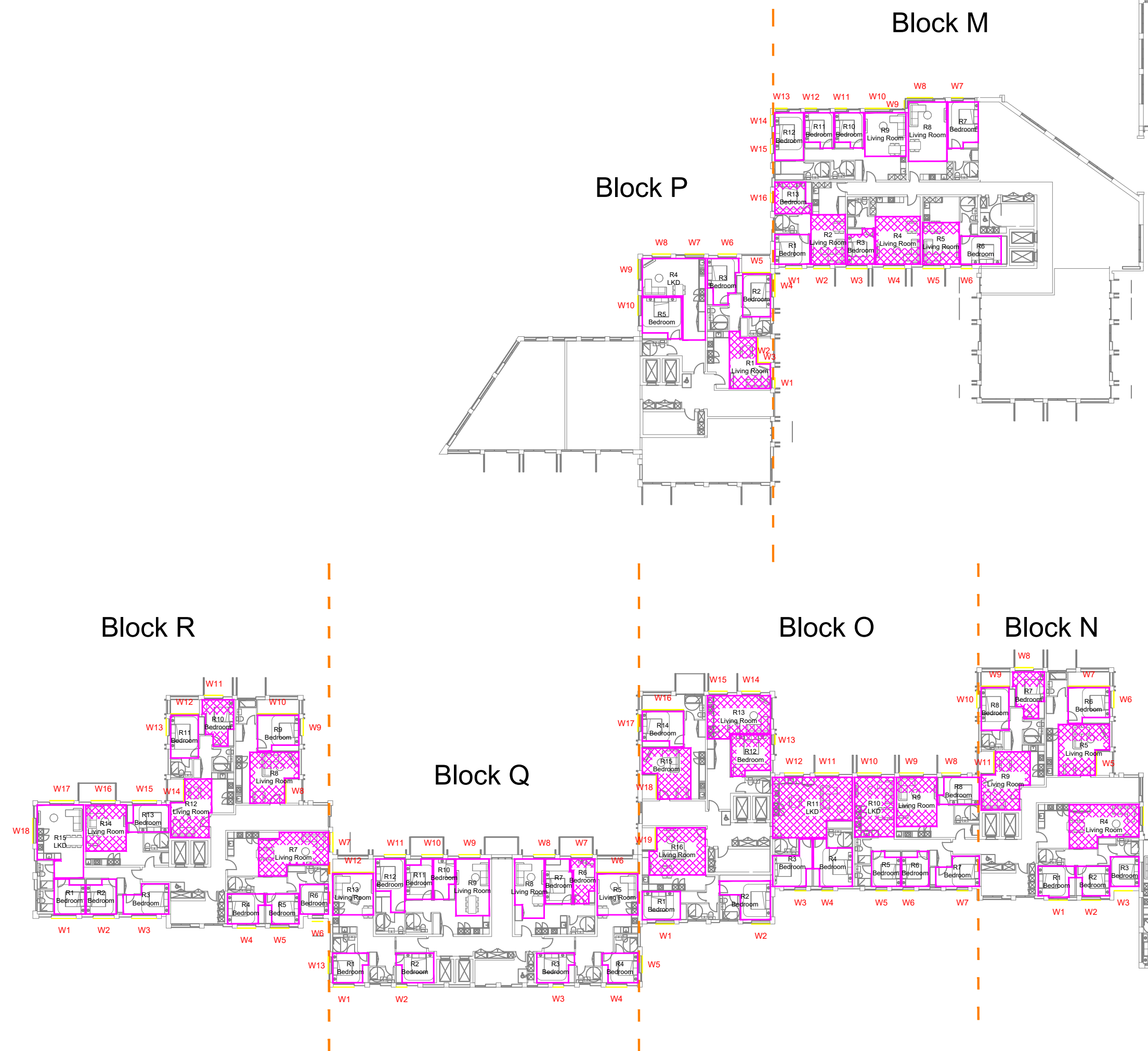
W1/O8 Window Tested Daylight only
W1/O8 Window Tested Daylight & Sunlight

SOURCE DATA

Drawings Used:
 Existing and surrounding buildings:
 ZMapping:
 Proposed Scheme:
 Arney Fender Katsalidis:
 Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
 GA_LEVEL_00_OVERALL PLAN - A10-00-01-P1
 GA_LEVEL_01_OVERALL PLAN - A10-01-01-P1

NOTES

Standard Double Glazed Transmittance value of 68% used for ADF assessments.
 Cross Hatched Rooms do not comply with BS 8206-2:2008.



Block M, N, O, P, Q & R - Ground Floor Plan

REV	Description	Drawn	Ch/ld	Date

DELVA PATMAN REDLER
Chartered Surveyors

Thavies Inn House
 3-4 Holborn Circus
 London EC1N 2HA
 020 7936 3666
 www.delvapatmanredler.co.uk info@delvapatmanredler.co.uk

The Plaza
 100 Old Hall Street
 Liverpool L3 9QU
 0151 242 0960

TITLE:
 PENTAVIA RETAIL PARK
 WATFORD WAY
 LONDON NW7
 DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
 Pentavia Retail Park
 Daylight / Sunlight Analysis
 Key Window Locations
 -
 -
 -
 Block M, N, O, P, Q & R

DRAWN: MJ
 SCALE: 1:400@A3
 DATE: 15/03/2019

JOB NO:
16336

DWG NO: **LOC/850**
 REV: -



Block F, G, H, I, J & L - Ground Floor Plan

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Floor Plan

Room Layouts

Unit Layouts

Window Tested Daylight only

Window Tested Daylight & Sunlight

SOURCE DATA

Drawings Used:
Existing and surrounding buildings:
ZMapping:

Proposed Scheme:
Arney Fender Katsalidis:
Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
GA_LEVEL 00_OVERALL PLAN - A10-00-01-P1
GA_LEVEL 01_OVERALL PLAN - A10-01-01-P1

NOTES

Standard Double Glazed Transmittance value of 68% used for ADF assessments.

Cross Hatched Rooms do not comply with BS 8206-2:2008.

REV	Description	Drawn	Ch'kd	Date

DELVA PATMAN REDLER
Chartered Surveyors

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London EC1N 2HA
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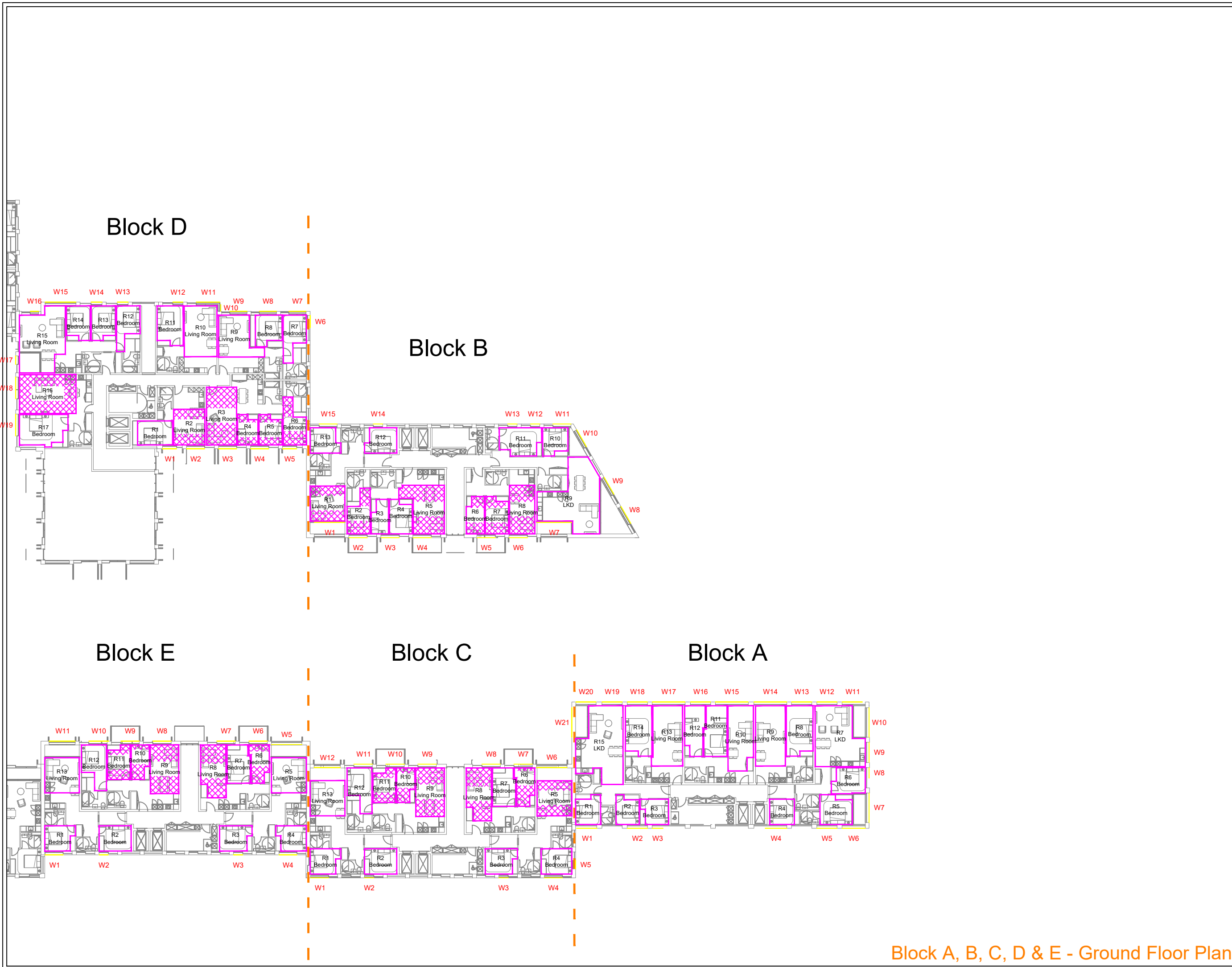
The Plaza
100 Old Hall Street
Liverpool L3 9QU
0151 242 0960

TITLE:
PENTAVIA RETAIL PARK
WATFORD WAY
LONDON NW7
DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
Pentavia Retail Park
Daylight / Sunlight Analysis
Key Window Locations
-
-
-
Block F, G, H, I, J & L

DRAWN: MJ JOB NO:
SCALE: 1:400@A3 **16336**
DATE: 15/03/2019

DWG NO: **LOC/851** REV: -



NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Floor Plan

Room Layouts

Unit Layouts

Window Tested Daylight only

Window Tested Daylight & Sunlight

SOURCE DATA

Drawings Used:
Existing and surrounding buildings:
ZMapping:

Proposed Scheme:
Arney Fender Katsalidis:
Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
GA_LEVEL 00_OVERALL PLAN - A10-00-01-P1
GA_LEVEL 01_OVERALL PLAN - A10-01-01-P1

NOTES

Standard Double Glazed Transmittance value of 68% used for ADF assessments.

Cross Hatched Rooms do not comply with BS 8206-2:2008.

REV	Description	Drawn	Chk'd	Date

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020 7936 3666
www.delvapatmanredler.co.uk

The Plaza
100 Old Hall Street
Liverpool L3 9QU
0151 242 0980
info@delvapatmanredler.co.uk

TITLE: PENTAVIA RETAIL PARK
WATFORD WAY
LONDON NW7

DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING: Pentavia Retail Park
Daylight / Sunlight Analysis
Key Window Locations

Block A, B, C, D & E

DRAWN: MJ **JOB NO.:** 16336

SCALE: 1:400@A3

DATE: 15/03/2019

DWG NO.: LOC/852 **REV.:** -

Block A, B, C, D & E - Ground Floor Plan

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Floor Plan
 Room Layouts
 Unit Layouts

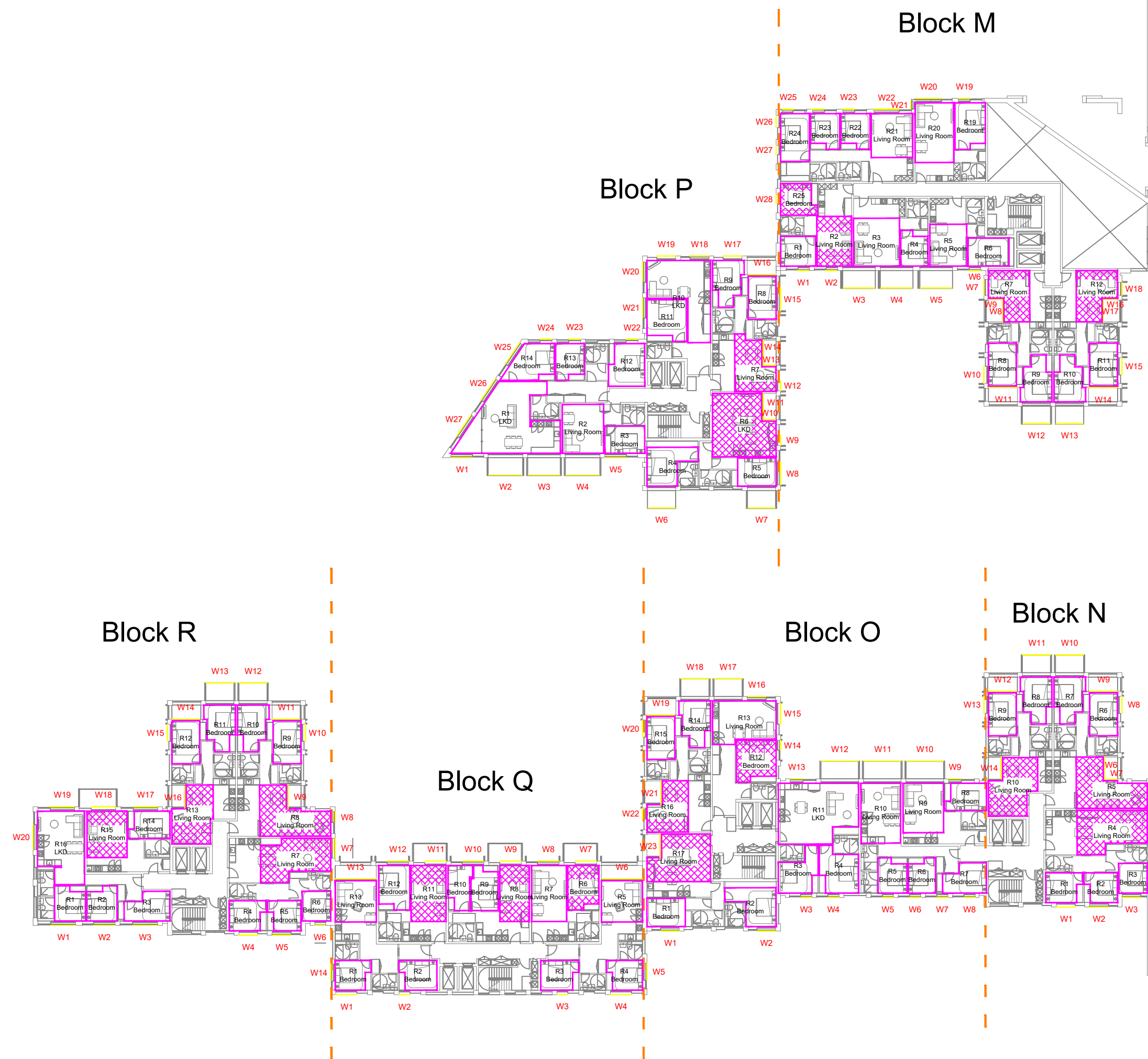
W1/O8 Window Tested Daylight only
W1/O8 Window Tested Daylight & Sunlight

SOURCE DATA

Drawings Used:
 Existing and surrounding buildings:
 ZMapping:
 Proposed Scheme:
 Arney Fender Katsalidis:
 Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
 GA_LEVEL_00_OVERALL PLAN - A10-00-01-P1
 GA_LEVEL_01_OVERALL PLAN - A10-01-01-P1

NOTES

Standard Double Glazed Transmittance value of 68% used for ADF assessments.
 Cross Hatched Rooms do not comply with BS 8206-2:2008.



Block M, N, O, P, Q & R - First Floor Plan

REV	Description	Drawn	Chk'd	Date

DELVA PATMAN REDLER
Chartered Surveyors

Thavies Inn House
 3-4 Holborn Circus
 London EC1N 2HA
 020 7936 3666
 www.delvapatmanredler.co.uk info@delvapatmanredler.co.uk

TITLE: **PENTAVIA RETAIL PARK
WATFORD WAY
LONDON NW7**
 DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
 Pentavia Retail Park
 Daylight / Sunlight Analysis
 Key Window Locations
 -
 -
 -
 Block M, N, O, P, Q & R

DRAWN: MJ
 SCALE: 1:400@A3
 DATE: 15/03/2019

JOB NO. **16336**

DWG NO: **LOC/853**
 REV: -



Block F, G, H, I, J, K & L - First Floor Plan

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Floor Plan
 Room Layouts
 Unit Layouts

W1/08 Window Tested Daylight only
W1/08 Window Tested Daylight & Sunlight

SOURCE DATA

Drawings Used:
 Existing and surrounding buildings:
 ZMapping:

Proposed Scheme:
 Arney Fender Katsalidis:
 Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
 GA_LEVEL_00_OVERALL PLAN - A10-00-01-P1
 GA_LEVEL_01_OVERALL PLAN - A10-01-01-P1

NOTES

Standard Double Glazed Transmittance value of 68% used for ADF assessments.

Cross Hatched Rooms do not comply with BS 8206-2:2008.

REV	Description	Drawn	Ch/kd	Date

DELVA PATMAN REDLER
 Chartered Surveyors

Thavies Inn House
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 020 7936 3668
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The Plaza
 100 Old Hall Street
 Liverpool L3 9QU
 0151 242 0980

TITLE: PENTAVIA RETAIL PARK
 WATFORD WAY
 LONDON NW7

DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
 Pentavia Retail Park
 Daylight / Sunlight Analysis
 Key Window Locations

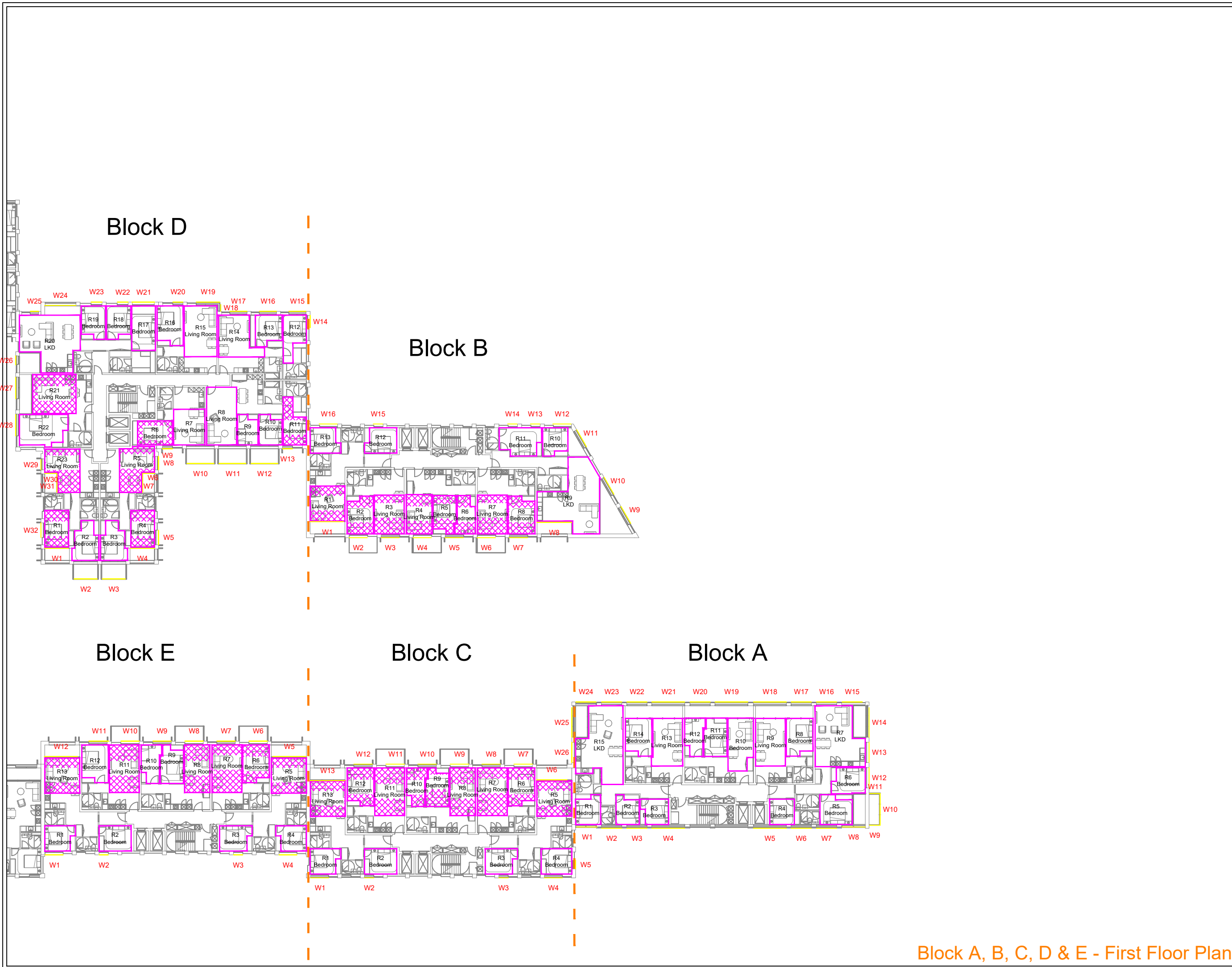
Block F, G, H, I, J, K & L

DRAWN: MJ JOB NO: 16336

SCALE: 1:400@A3

DATE: 15/03/2019

DWG NO: LOC/854 REV: -



NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Floor Plan
 Room Layouts
 Unit Layouts

W1/08 Window Tested Daylight only
W1/08 Window Tested Daylight & Sunlight

SOURCE DATA

Drawings Used:
 Existing and surrounding buildings:
 ZMapping:

Proposed Scheme:
 Arney Fender Katsalidis:
 Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
 GA_LEVEL_00_OVERALL PLAN - A10-00-01-P1
 GA_LEVEL_01_OVERALL PLAN - A10-01-01-P1

NOTES

Standard Double Glazed Transmittance value of 68% used for ADF assessments.

Cross Hatched Rooms do not comply with BS 8206-2:2008.

REV	Description	Drawn	Ch'kd	Date

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 Chartered Surveyors

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 3-4 Holborn Circus
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 020 7936 3668
 www.delvapatmanredler.co.uk

The Plaza
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TITLE:
 PENTAVIA RETAIL PARK
 WATFORD WAY
 LONDON NW7
 -
 DAYLIGHT / SUNLIGHT ANALYSIS

DRAWING:
 Pentavia Retail Park
 Daylight / Sunlight Analysis
 Key Window Locations
 -
 -
 -
 Block A, B, C, D & E

DRAWN: MJ	JOB NO:
SCALE: 1:400@A3	16336
DATE: 15/03/2019	
DWG NO: LOC/855	REV: -

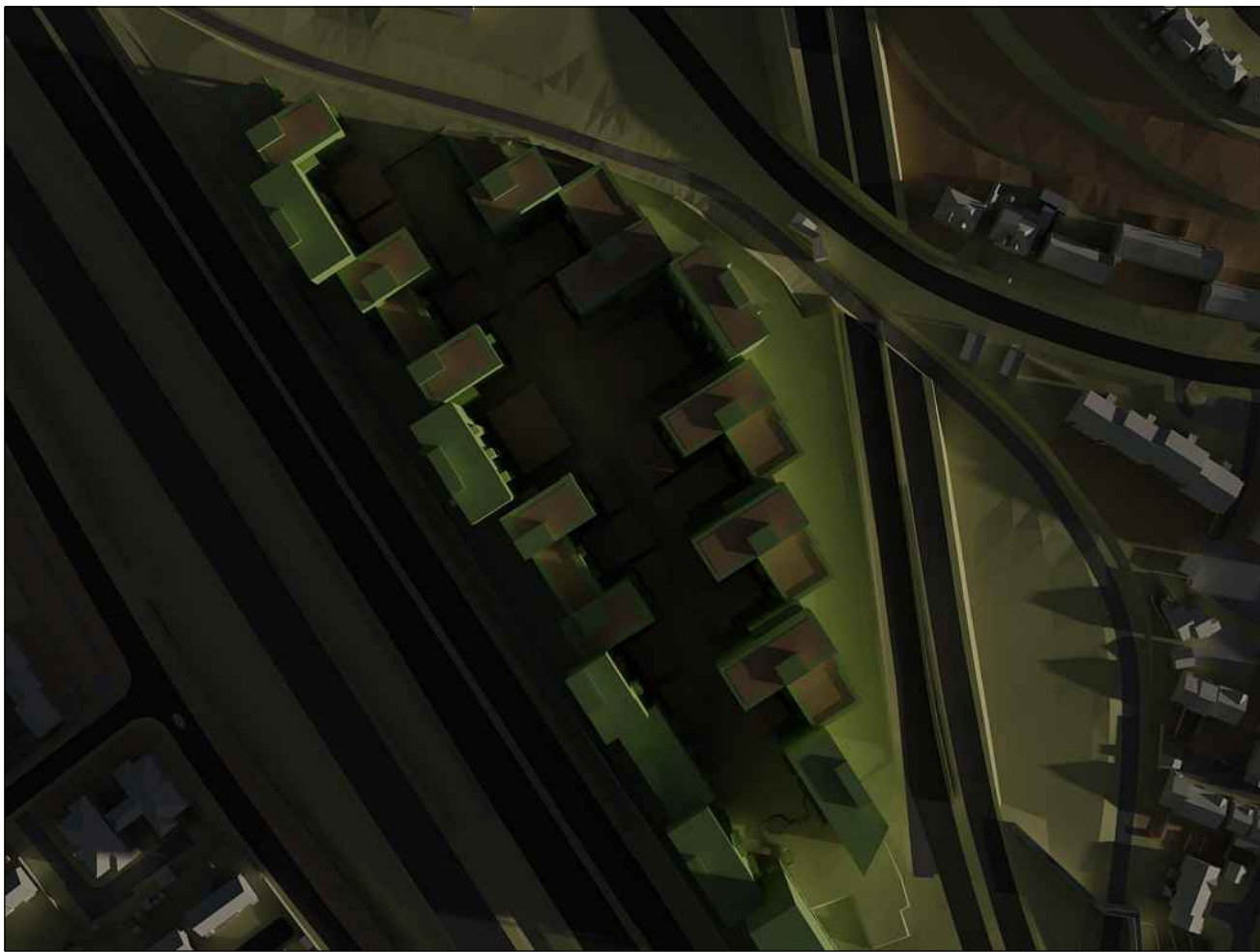
Block A, B, C, D & E - First Floor Plan

APPENDIX D

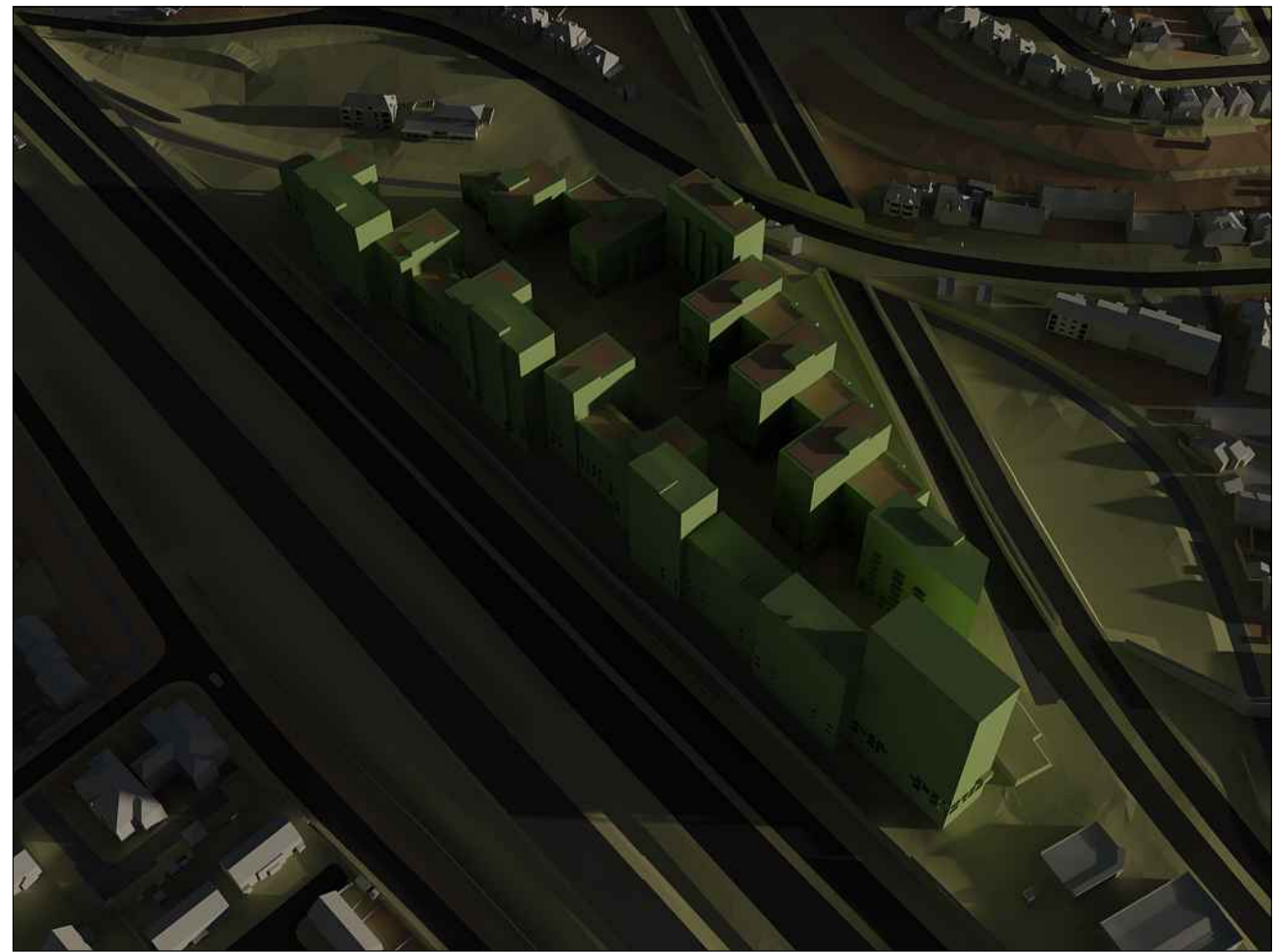
OVERSHADOWING ANALYSIS

16336/SHD/523 – 529

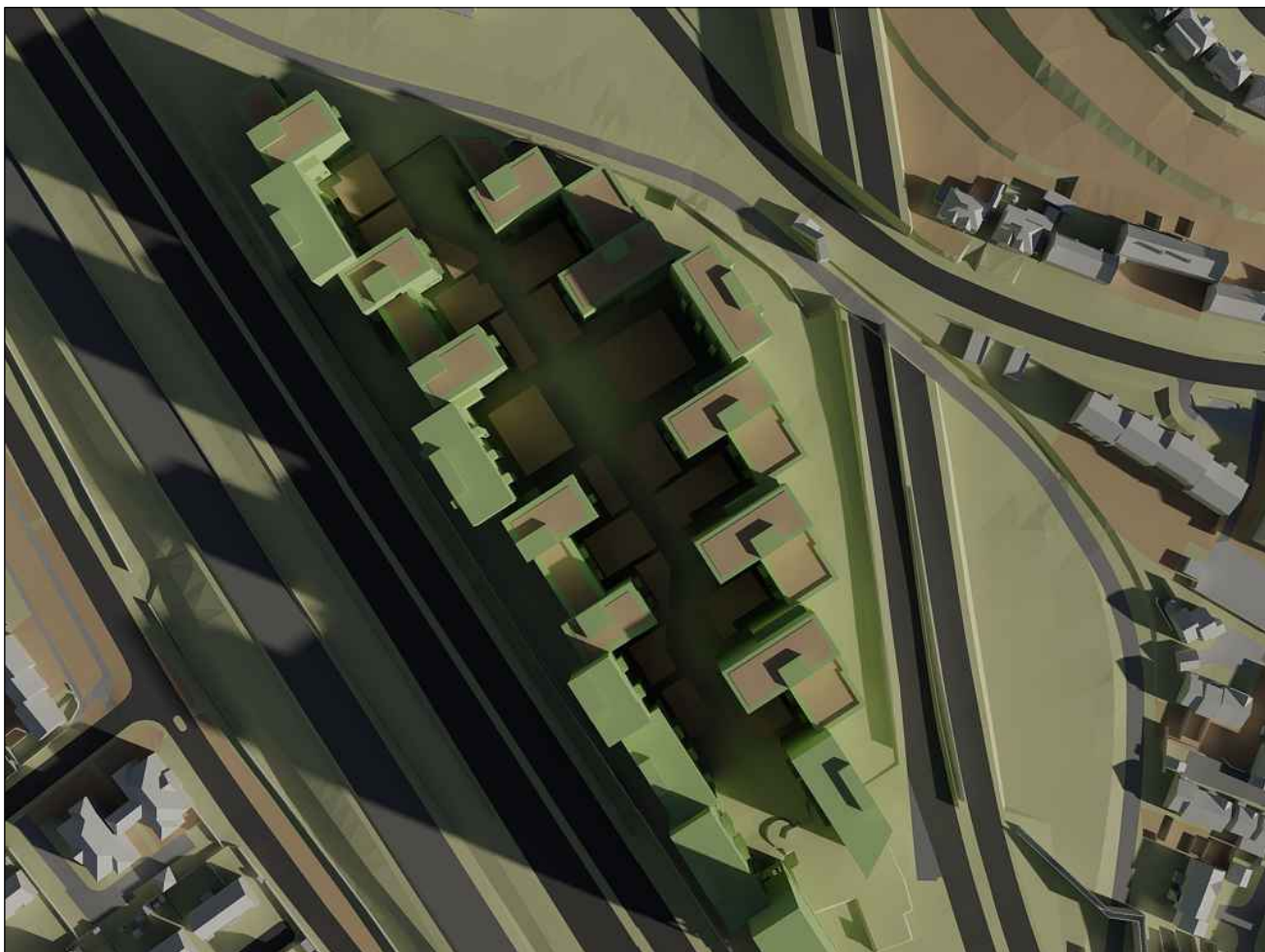




0700hrs March 21st Proposed - Plan



0700hrs March 21st Proposed - 3D View



0800hrs March 21st Proposed - Plan



0800hrs March 21st Proposed - 3D View

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:
Indicative

Proposed	Roads
Surrounding	Ground
	Amenity

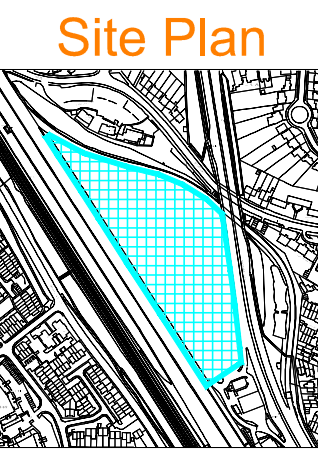
SOURCE DATA

Drawings Used:
Existing and surrounding buildings:
ZMapping:

Proposed Scheme:
Arney Fender Katsalidis:
Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
GA_LEVEL 00_OVERALL PLAN - A10-00-01-P1
GA_LEVEL 01_OVERALL PLAN - A10-01-01-P1

NOTES

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 light is likely to be noticeable.



REV	Description	Drawn	Chk'd	Date

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Chartered Surveyors

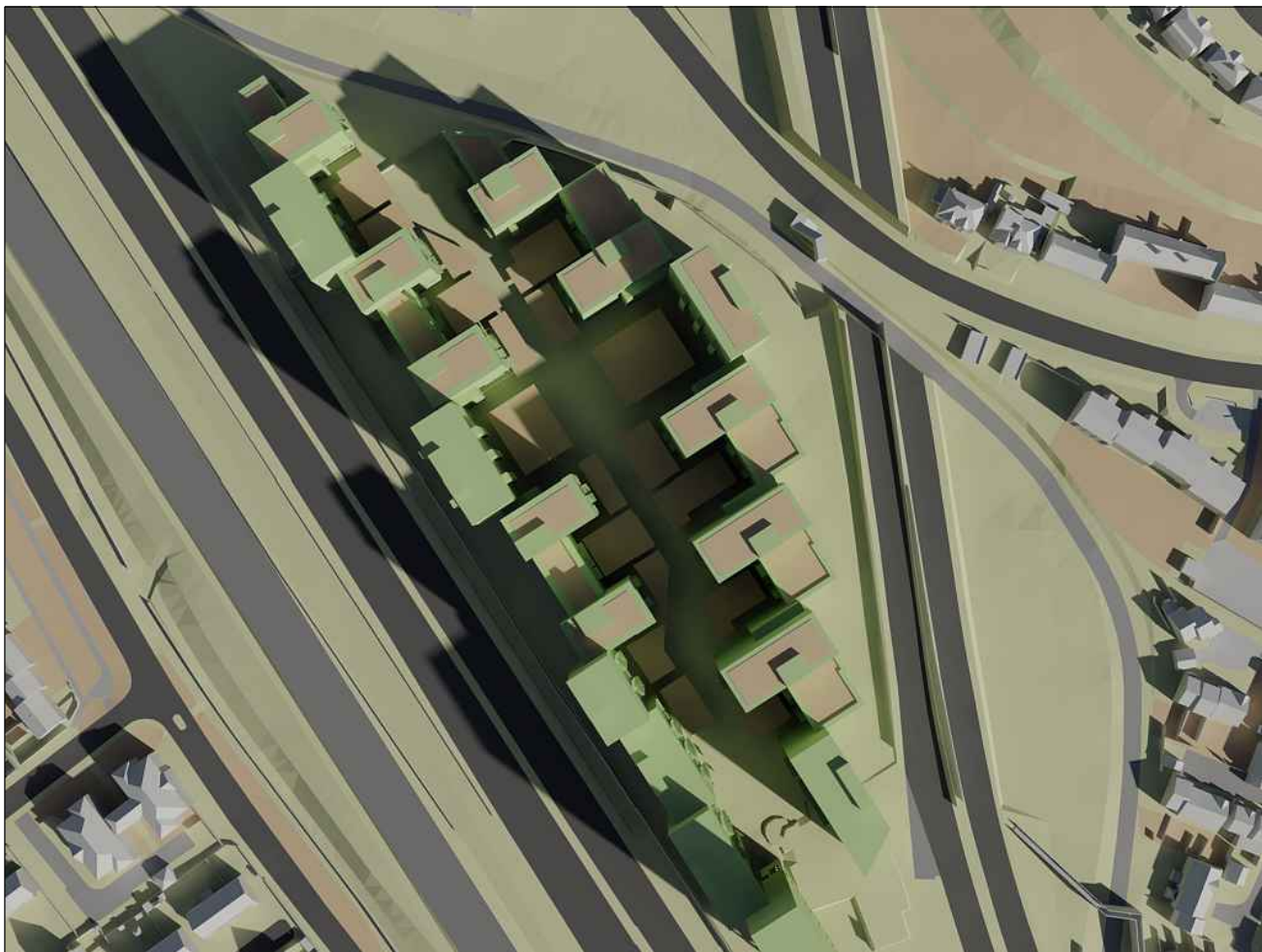
Thavies Inn House 020 7936 3668
3-4 Holborn Circus info@delvapatmanredler.co.uk
London EC1N 2HA www.delvapatmanredler.co.uk

TITLE: PENTAVIA RETAIL PARK
WATFORD WAY
LONDON NW7
- SHADOW ANALYSIS

DRAWING:
Pentavia Retail Park
Shadow Analysis
Existing v's Proposed Schemes
- 0700hrs & 0800hrs March 21st
-

DRAWN: MJ JOB NBR:
SCALE: NTS 16336
DATE: 15/03/2019

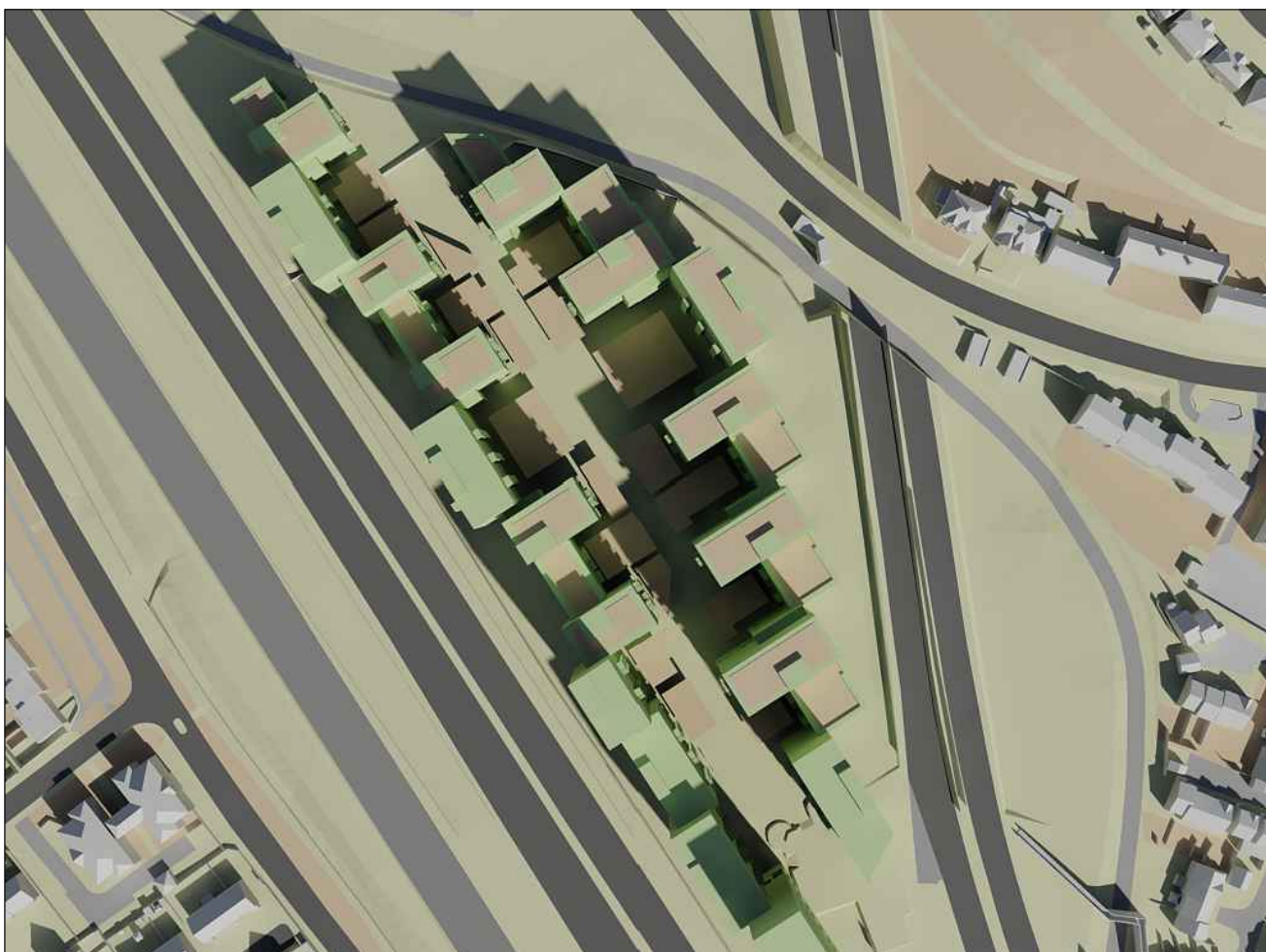
DWG NO: SHD/523 REV: -



0900hrs March 21st Proposed - Plan



0900 March 21st Proposed - 3D View



1000hrs March 21st Proposed - Plan



1000hrs March 21st Proposed - 3D View

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:
Indicative

Proposed	Roads
Surrounding	Ground
	Amenity

SOURCE DATA

Drawings Used:
Existing and surrounding buildings:
ZMapping:

Proposed Scheme:
Arney Fender Katsalidis:
Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
GA_LEVEL 00_OVERALL PLAN - A10-00-01-P1
GA_LEVEL 01_OVERALL PLAN - A10-01-01-P1

NOTES

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Site Plan



REV	Description	Drawn	Chk'd	Date

DELVA PATMAN REDLER
Chartered Surveyors

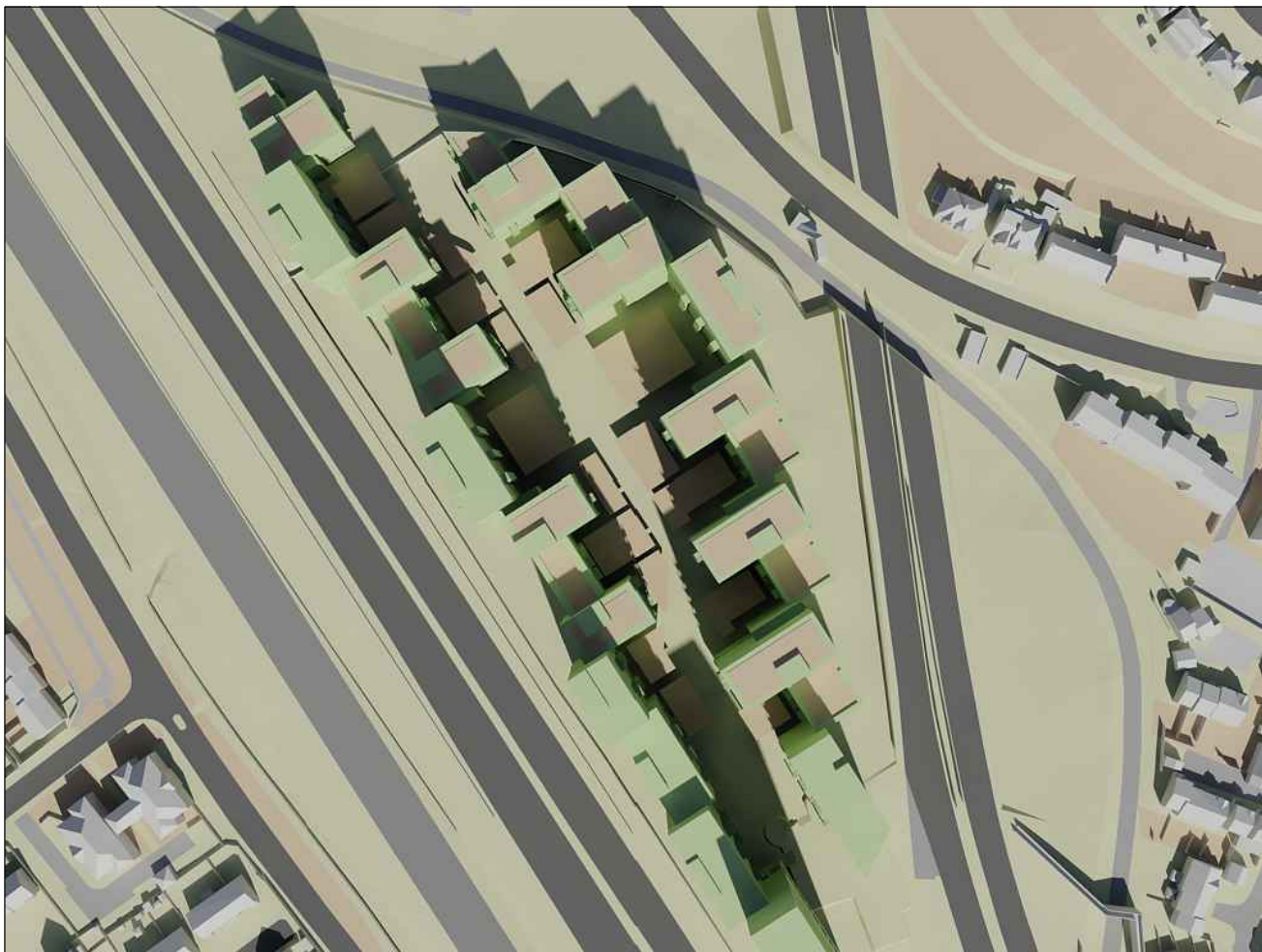
Thavies Inn House 020 7936 3668
3-4 Holborn Circus info@delvapatmanredler.co.uk
London EC1N 2HA www.delvapatmanredler.co.uk

TITLE: PENTAVIA RETAIL PARK
WATFORD WAY
LONDON NW7
- SHADOW ANALYSIS

DRAWING:
Pentavia Retail Park
Shadow Analysis
Existing v's Proposed Schemes
- 0900hrs & 1000hrs March 21st
-

DRAWN: MJ JOB NBR:
SCALE: NTS 16336
DATE: 15/03/2019

DWG NO: SHD/524 REV: -



1100hrs March 21st Proposed - Plan



1100hrs March 21st Proposed - 3D View



1200hrs March 21st Proposed - Plan



1200hrs March 21st Proposed - 3D View

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:
Indicative

Proposed	Roads
Surrounding	Ground
	Amenity

SOURCE DATA

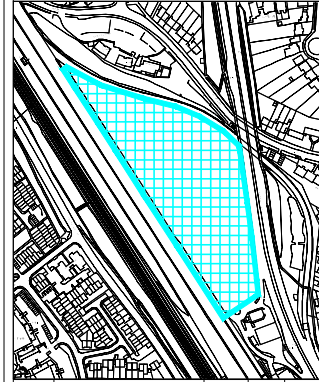
Drawings Used:
Existing and surrounding buildings:
ZMapping:

Proposed Scheme:
Arney Fender Katsalidis:
Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
GA_LEVEL 00_OVERALL PLAN - A10-00-01-P1
GA_LEVEL 01_OVERALL PLAN - A10-01-01-P1

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Site Plan



REV	Description	Drawn	Chk'd	Date

DELVA PATMAN REDLER
Chartered Surveyors

Thavies Inn House 020 7936 3668
3-4 Holborn Circus info@delvapatmanredler.co.uk
London EC1N 2HA www.delvapatmanredler.co.uk

TITLE: PENTAVIA RETAIL PARK
WATFORD WAY
LONDON NW7
- SHADOW ANALYSIS

DRAWING:
Pentavia Retail Park
Shadow Analysis
Existing v's Proposed Schemes
- 1100hrs & 1200hrs March 21st
-

DRAWN: MJ JOB NBR:
SCALE: NTS 16336
DATE: 15/03/2019

DWG NO: SHD/525 REV: -



1300hrs March 21st Proposed - Plan



1300hrs March 21st Proposed - 3D View



1400hrs March 21st Proposed - Plan



1400hrs March 21st Proposed - 3D View

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:
Indicative

Proposed	Roads
Surrounding	Ground
	Amenity

SOURCE DATA

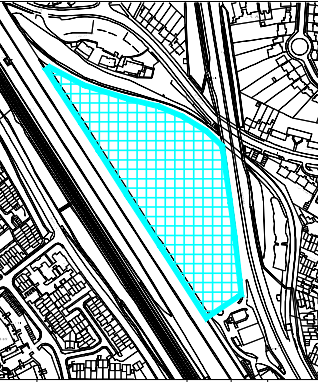
Drawings Used:
Existing and surrounding buildings:
ZMapping:

Proposed Scheme:
Arney Fender Katsalidis:
Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
GA_LEVEL 00_OVERALL PLAN - A10-00-01-P1
GA_LEVEL 01_OVERALL PLAN - A10-01-01-P1

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Site Plan



REV	Description	Drawn	Chk'd	Date

DELVA PATMAN REDLER
Chartered Surveyors

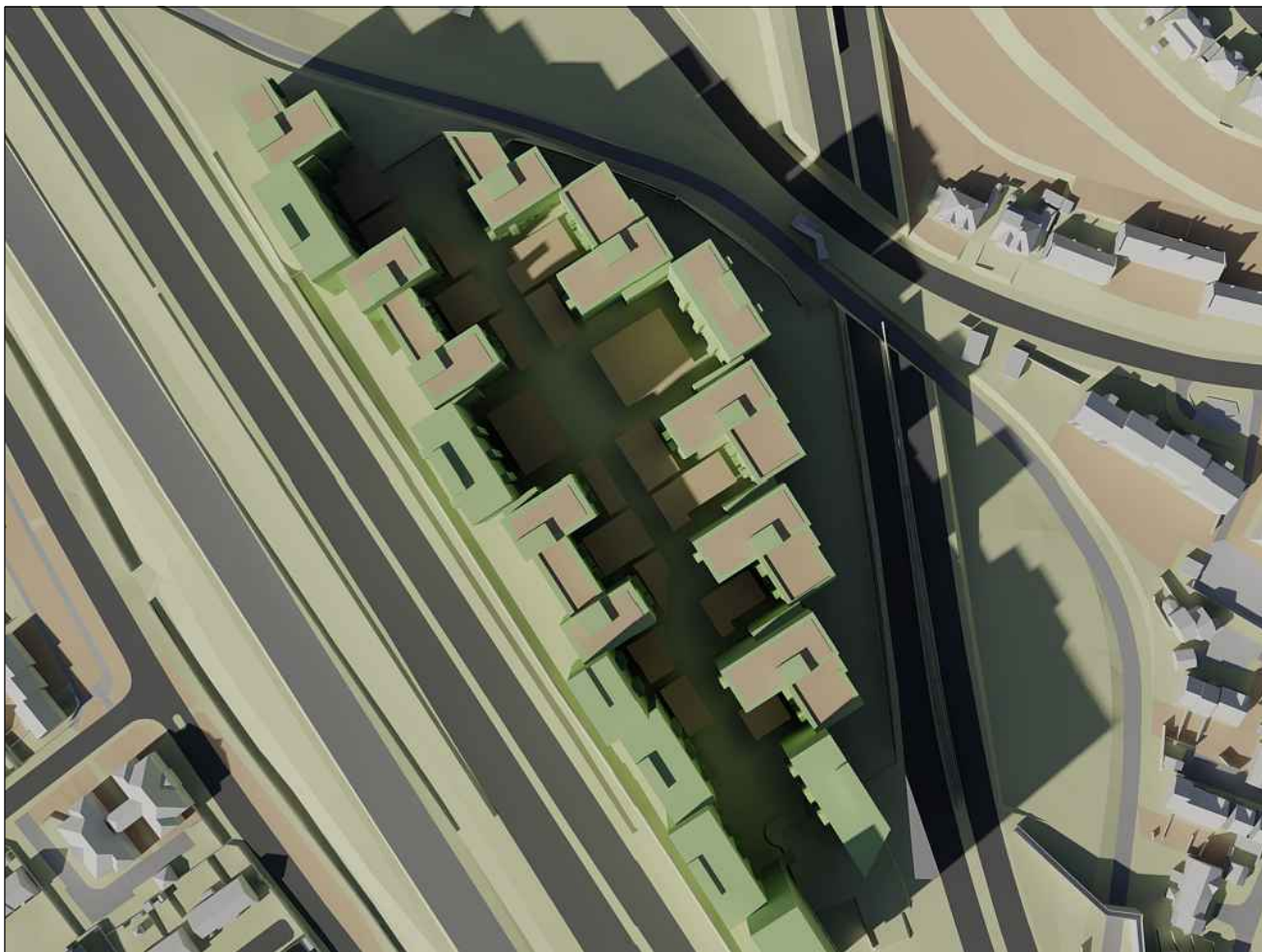
Thavies Inn House 020 7936 3668
3-4 Holborn Circus info@delvapatmanredler.co.uk
London EC1N 2HA www.delvapatmanredler.co.uk

TITLE: PENTAVIA RETAIL PARK
WATFORD WAY
LONDON NW7
- SHADOW ANALYSIS

DRAWING:
Pentavia Retail Park
Shadow Analysis
Existing v's Proposed Schemes
- 1300hrs & 1400hrs March 21st
-

DRAWN: MJ JOB NBR:
SCALE: NTS 16336
DATE: 15/03/2019

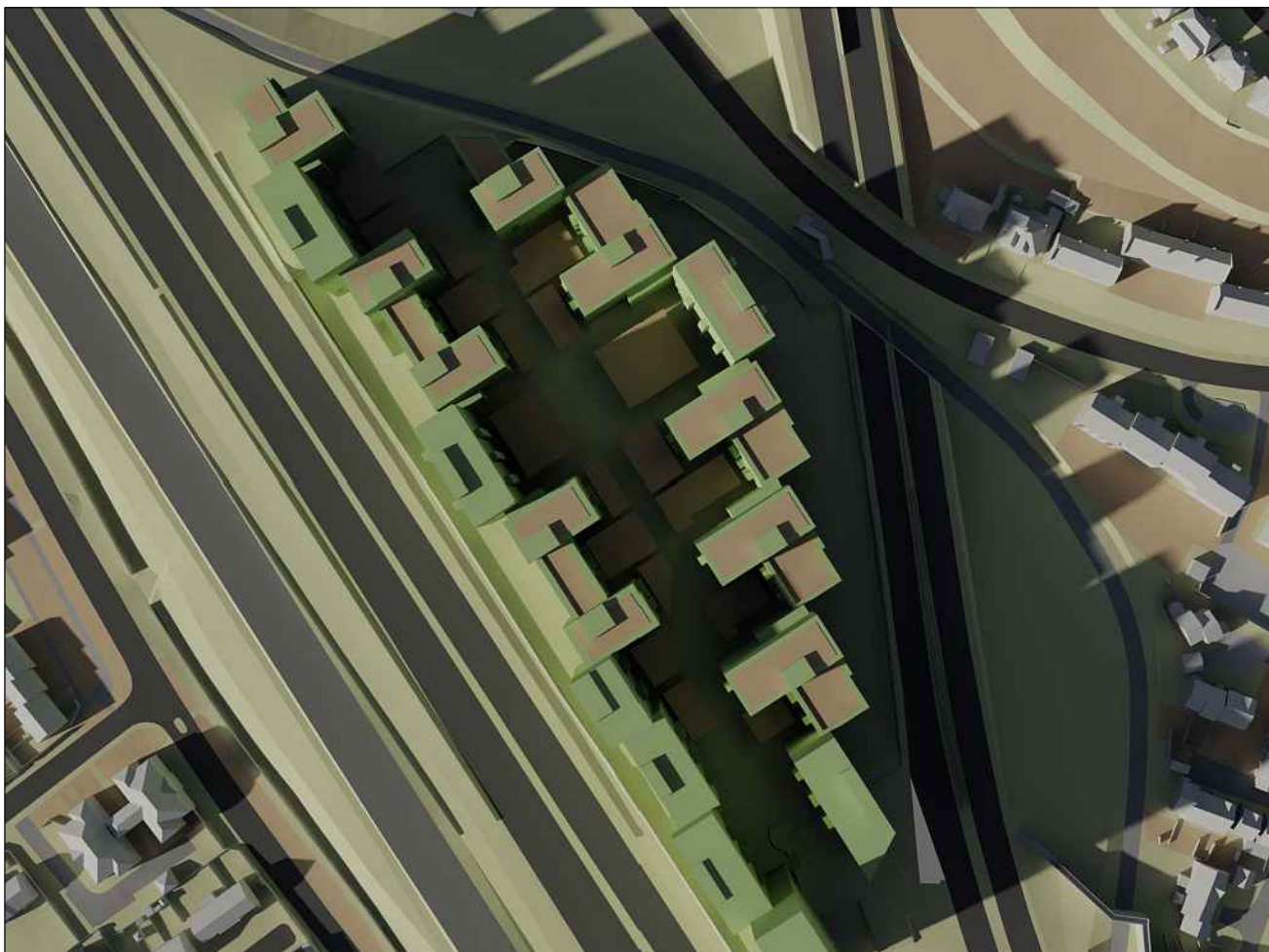
DWG NO: SHD/526 REV: -



1500hrs March 21st Proposed - Plan



1500hrs March 21st Proposed - 3D View



1600hrs March 21st Proposed - Plan



1600hrs March 21st Proposed - 3D View

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Proposed	Roads
Surrounding	Ground
	Amenity

SOURCE DATA

Drawings Used:
 Existing and surrounding buildings:
 ZMapping:

Proposed Scheme:
 Arney Fender Katsalidis:
 Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
 GA_LEVEL 00_OVERALL PLAN - A10-00-01-P1
 GA_LEVEL 01_OVERALL PLAN - A10-01-01-P1

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REV	Description	Drawn	Chk'd	Date

DELVA PATMAN REDLER
 Chartered Surveyors

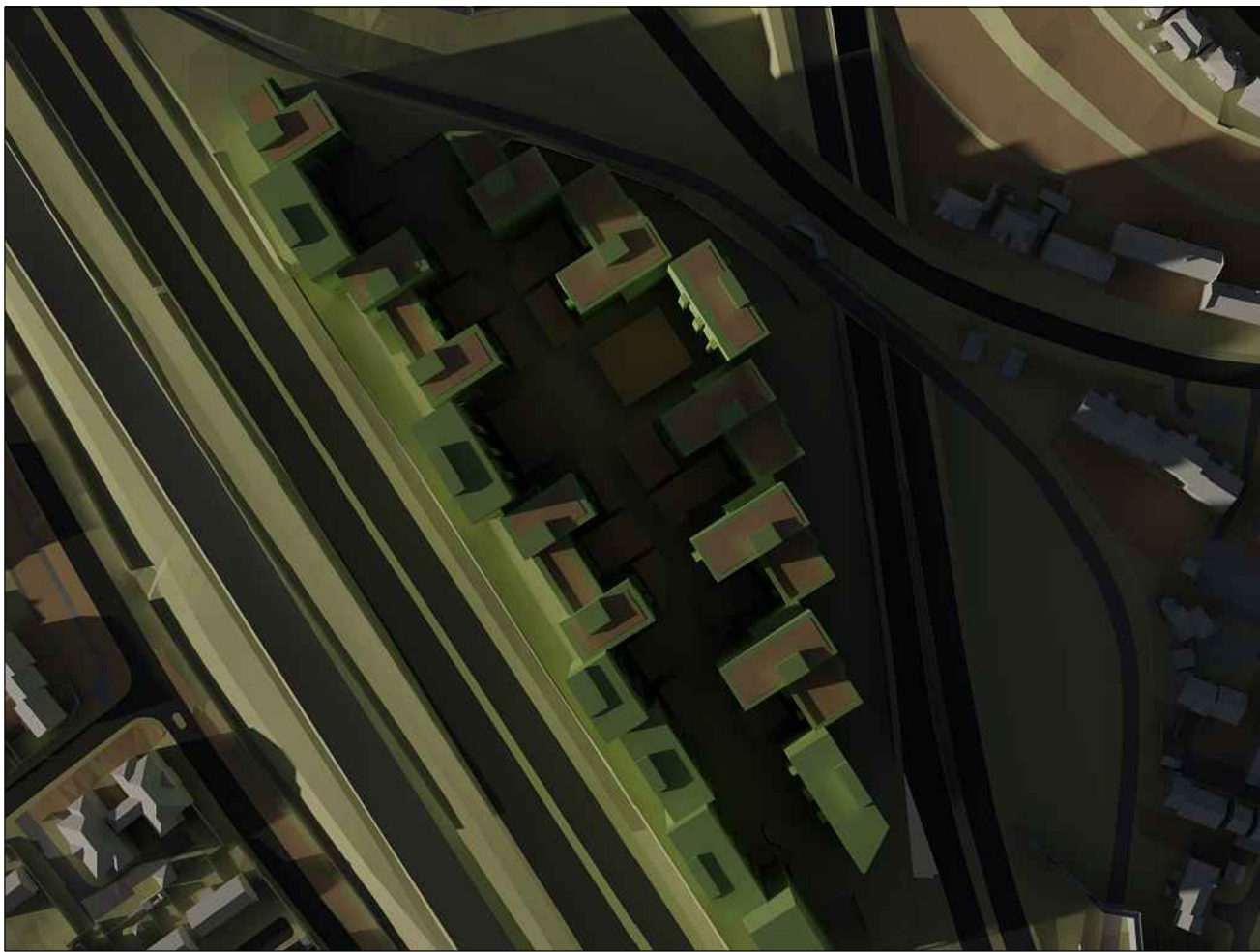
Thavies Inn House 020 7936 3668
 3-4 Holborn Circus info@delvapatmanredler.co.uk
 London EC1N 2HA www.delvapatmanredler.co.uk

TITLE: PENTAVIA RETAIL PARK
 WATFORD WAY
 LONDON NW7
 - SHADOW ANALYSIS

DRAWING:
 Pentavia Retail Park
 Shadow Analysis
 Existing v's Proposed Schemes
 - 1500hrs & 1600hrs March 21st
 -

DRAWN: MJ JOB NBR:
 SCALE: NTS 16336
 DATE: 15/03/2019

DWG NO: SHD/527 REV: -



1700hrs March 21st Proposed - Plan



1700hrs March 21st Proposed - 3D View

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Proposed	Roads
Surrounding	Ground
	Amenity

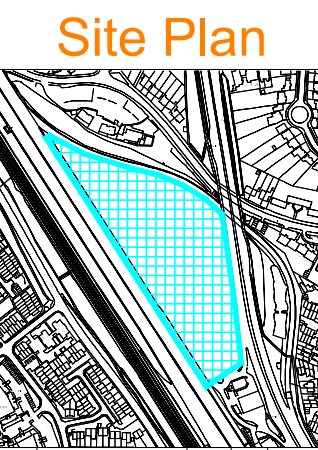
SOURCE DATA

Drawings Used:
 Existing and surrounding buildings:
 ZMapping:

Proposed Scheme:
 Arney Fender Katsalidis:
 Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
 GA_LEVEL 00_OVERALL PLAN - A10-00-01-P1
 GA_LEVEL 01_OVERALL PLAN - A10-01-01-P1

NOTES

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REV	Description	Drawn	Chk'd	Date

DELVA PATMAN REDLER
 Chartered Surveyors

Thavies Inn House 020 7936 3668
 3-4 Holborn Circus info@delvapatmanredler.co.uk
 London EC1N 2HA www.delvapatmanredler.co.uk

TITLE: PENTAVIA RETAIL PARK
 WATFORD WAY
 LONDON NW7
 -
 SHADOW ANALYSIS

DRAWING:
 Pentavia Retail Park
 Shadow Analysis
 Existing v's Proposed Schemes
 -
 1700hrs March 21st
 -

DRAWN: MJ	JOB NBR:
SCALE: NTS	16336
DATE: 15/03/2019	
DWG NO: SHD/528	REV: -



Proposed Shadow Contour

Amenity Area (m²)		BRE Recommendations (At least 50% of Amenity Area)	Proposed Area	Proposed % age of Area
Mill Hill Ground A1	270.82	135.41	245.29	91%
Mill Hill Ground A2	160.96	80.48	160.96	100%
Mill Hill Ground A3	496.50	248.25	379.98	77%
Mill Hill Ground A4	209.55	104.77	209.55	100%
Mill Hill Ground A5	265.89	132.95	112.26	42%
Mill Hill Ground A6	197.88	98.94	0.00	0%
Mill Hill Ground A7	131.67	65.84	0.00	0%
Mill Hill Ground A8	155.56	77.78	0.00	0%
Mill Hill Ground A9	134.40	67.20	1.60	1%
Mill Hill Ground A10	105.49	52.75	31.18	30%
Mill Hill Ground A11	235.22	117.61	0.00	0%
Mill Hill Ground A12	115.30	57.65	47.02	41%
Mill Hill Ground A13	377.56	188.78	0.00	0%
Mill Hill Ground A14	108.12	54.06	108.06	100%
Mill Hill Ground A16	99.07	49.54	97.71	99%
Mill Hill Ground A15	205.62	102.81	88.41	43%
Mill Hill Ground A17	143.97	71.98	3.11	2%
Mill Hill Ground A18	222.62	111.31	6.66	3%
Block P Roof A1	130.16	65.08	64.72	50%
Block P Roof A2	178.63	89.31	178.39	100%
Block M Roof A1	266.69	133.35	231.20	87%
Block M Roof A2	271.27	135.64	268.49	99%
Block K Roof A1	235.15	117.57	234.64	100%
Block H Roof A1	272.24	136.12	269.14	99%
Block H Roof A2	227.12	113.56	212.82	94%
Block F Roof A1	271.99	135.99	269.94	99%
Block F Roof A2	227.12	113.56	211.75	93%
Block D Roof A1	272.22	136.11	270.08	99%
Block D Roof A2	227.12	113.56	213.60	94%
Block I Roof A1	150.31	75.15	150.23	100%
Block J Roof A2	163.17	81.58	137.36	84%
Block J Roof A1	158.00	79.00	155.64	99%
Block N Roof A1	163.00	81.50	163.00	100%
Block O Roof A2	163.17	81.58	136.83	84%
Block O Roof A1	148.97	74.48	146.34	98%
Block R Roof A2	164.00	82.00	164.00	100%
Block R Roof A1	91.68	45.84	86.02	94%
Total	7418.18	3709.09	5055.99	68%

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING:

Indicative

Proposed	Roads
Surrounding	Ground
	Amenity

SOURCE DATA

Drawings Used:
Existing and surrounding buildings:
ZMapping:

Proposed Scheme:
Arney Fender Katsalidis:
Dwg No's: AFK_44032_MH_3D Mill Hill (3D Model received 13.02.2019)
GA_LEVEL 00_OVERALL PLAN - A10-00-01-P1
GA_LEVEL 01_OVERALL PLAN - A10-01-01-P1

NOTES

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Chartered Surveyors

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London EC1N 2HA www.delvapatmanredler.co.uk

TITLE: PENTAVIA RETAIL PARK
WATFORD WAY
LONDON NW7
- SHADOW ANALYSIS

DRAWING: Pentavia Retail Park
Shadow Analysis
Existing v's Proposed Schemes
- Permanent Shadow Areas
-

DRAWN: MJ JOB NBR: 16336
SCALE: NTS
DATE: 15/03/2019

DWG NO: SHD/529 REV: -