

KENAVON DRIVE READING BOROUGH COUNCIL

SCHEME INTERNAL DAYLIGHT REPORT

DIRECTOR: LIAM DUNFORD

CLIENT: BERKELEY

DATE: OCTOBER 2019

VERSION: V1

PROJECT: P915

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1 Introduction

- 1.1 This report considers the internal daylight amenity of the proposed development of Kenavon Drive, Reading. The site is located in the Royal Borough of Reading.
- 1.2 It specifically considers the levels of internal daylight and sunlight amenity received within the proposed residential units.

Sources of Information

In the process of compiling this report, the following sources of information have been used:

PRP

Topographical Survey 25/05/16

0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg

Proposed Plans & Elevations 18/10/19

AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg

AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg

Proposed 3D Models 21/10/19

O446-AA5990C-E-ZZ-A-EAST-S73.dwg

O446-AA5990C-M-ZZ-A-MID-S73.dwg

O446-AA5990C-W-ZZ-A-WEST-S73.dwg

Proposed Plans & Elevations 21/10/19

AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

2 Planning Overview

- 2.1 Through the planning process the local authority will wish to be reassured that the construction of the new scheme will benefit from acceptable levels of internal daylight amenity within BRE and British Standard Guidance.
- 2.2 The Local Authority will be informed in this by the BRE document entitled *Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice 2011* (the BRE guidelines). This document is the principal guidance in this area and sets out the methodology for measuring light and recommends what it considers to be permitted or unobtrusive levels of change.
- 2.3 The BRE guidelines are not mandatory, though local planning authorities and planning inspectors will consider the suitability of a proposed scheme for a site within the context of BRE guidance. Consideration will be given to the urban context within which a scheme is located and the internal daylight amenity will be one of a number of planning considerations which the local authority will weigh

3 Methodology

- 3.1 In assessing the daylight to the main habitable spaces within the proposed accommodation, as recommended by the guidelines, we have calculated the ADF. With reference to BS8206 Part 2:2008 and Appendix C of the BRE Report, in calculating the values, we have assumed light internal finishes giving the following reflectances: floors 0.4 (light wood or cream carpet), ceilings 0.85 (white paint), internal walls 0.81 (pale cream paint). We have assumed double glazing with a transmittance of 0.68, and have allowed for a maintenance factor of 8% (appropriate for urban residential properties).
- 3.2 This daylight assessment method considers the transmittance of the glazing to the room in question (i.e. how much light gets through the window glass); the net glazed area of the window in question; the total area of the room surfaces (ceiling, walls, floor and windows) and their reflectances; and the angle of visible sky reaching the window/windows in question.
- 3.3 The BRE guidelines / British Standard sets the following recommended ADF levels for habitable room uses:
- 1% Bedroom
 - 1.5% Living Room
 - 2.0% Kitchens
- 3.4 It is important to remember that the BRE Guide states that ‘the advice given here is not mandatory and should not be seen as an instrument of planning policy’. Furthermore, daylight criteria should be ‘interpreted flexibly because natural lighting is only one of many factors’. Based upon these statements it is important to apply the guidance and target levels sensibly and flexibly taking into account the context of the site as a conversion of an existing building

4 The Proposal



Drawing Number: P915/15 – 3D View – Proposed Scheme

- 4.1 Our understanding of the proposed scheme is illustrated in drawings P915/50-52 located within Appendix 1.

5 Internal Daylight Study

- 5.1 The results of our internal daylighting study to the proposed rooms, including drawings showing the layouts, window positions and orientation of the units can be found appended to this report under drawing references P915/I/250-279 (Appendix 2).
- 5.2 788 rooms have been analysed to establish the ADF levels within. For the purposes of this study we have considered the amenity levels to the habitable rooms on the ground, first, second and a sample of rooms on the third and fourth floors.
- 5.3 649 of the rooms assessed meet the required ADF value appropriate for the rooms' usage with many of the rooms achieving above the required minimums.
- 5.4 Where derogations from the target occur, the results are broadly comparable to those already consented and, furthermore, are influenced by the presence of balconies at various points. Officers previously considered that the benefits of providing valuable, external amenity spaces outweighed the daylight deficiencies on the wider planning balance and that daylight provision overall was considered adequate for the scheme as a whole.
- 5.5 To understand the effect of the balcony provisions and for completeness, we have undertaken a study by removing the balconies from the analysis scenario. This analysis can be found in Appendix 2. In this scenario, 740 (94%) of the rooms assessed surpass the ADF target for the rooms' use.
- 5.6 Overall, we consider the proposal to conform well with BRE Guidance in relation to daylight amenity and encourage the same degree of pragmatism to be afforded to this proposal as with the consented scheme.

6 Internal Sunlight Study

- 6.1 For the purposes of this assessment we have assessed all proposed Living Rooms, Living Kitchen Dining Rooms and Studios which have at least one window orientated within 90 degrees either side of due south; BRE Guidance stating bedrooms and kitchens are less important (BRE para 3.1.2).
- 6.2 We have included a colour coded analysis table within Appendix C to this report which identifies the orientation of windows from due south and the rooms' APSH and Winter Sunlight Values. The room and window references correspond with those provided within the ADF layout drawing within Appendix B.
- 6.3 The below table summarises the results:

No. of Rooms achieving 25+% APSH	No. of Rooms achieving 15-24% APSH	No. of Rooms achieving less than 20% APSH
109	7	49
No. of Rooms achieving 5+% Winter Sunlight	No. of Rooms achieving 3-4% Winter Sunlight	No. of Rooms achieving less than 3% Winter Sunlight
149	51	32

- 6.4 There is an overall good level of compliance with regard to sunlight amenity. Where rooms do not achieve 25% APSH with 5% in Winter, they still retain levels of sunlight which are commensurate within dense developments. British Standard states that the absence of sunlight is more acceptable when a building is in a densely-built urban area. Overall we consider the level of sunlight received acceptable on planning balance.

7 Conclusion

- 7.1 The above report and technical analysis appended hereto shows the scheme demonstrates compliance with BRE Guidance in terms of internal daylight and sunlight amenity with over the majority of rooms meeting their desired target value in the as built position.
- 7.2 As is common within dense urban development, the scheme comprises many external amenity spaces which naturally limit the amount of sky that can reach a window. External amenity areas are readily sought after by occupants and should be considered as a benefit to the property, not a constraint. The position in this regard should be considered pragmatically. The analysis in Appendix 3 shows that, if the balcony area was removed then 94% of the rooms assessed meet their target value for their observed use. Moreover, it should be borne that this considers the lowest residential floors whereas if all rooms across the scheme were considered then the rate of compliance would increase further still.
- 7.3 The scheme has been designed well to allow good levels of daylight to penetrate into the proposed units and distribute throughout the rooms efficiently – especially in consideration of the it being located in an urban area, whereas the BRE guidelines are predicated upon a typically suburban environment.
- 7.4 We fully support this scheme in terms of internal daylight and sunlight amenity

Appendix 1:

Scheme 3D Drawings



Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
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O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key: Existing Buildings
 Proposed Scheme

Scheme Confirmed:

Date:

Project: Kenavon Drive
Reading

Drawn By:
BW

Scale:
1:1000

Date:
Oct 19

Title: Site Plan
Proposed Scheme 21/10/19

Dwg No:
P915/50

Rel:
20





Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
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O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:

Existing Buildings

Proposed Scheme

All Heights in mm AOD

Scheme Confirmed:

Date:

Project: Kenavon Drive
Reading

Drawn By:
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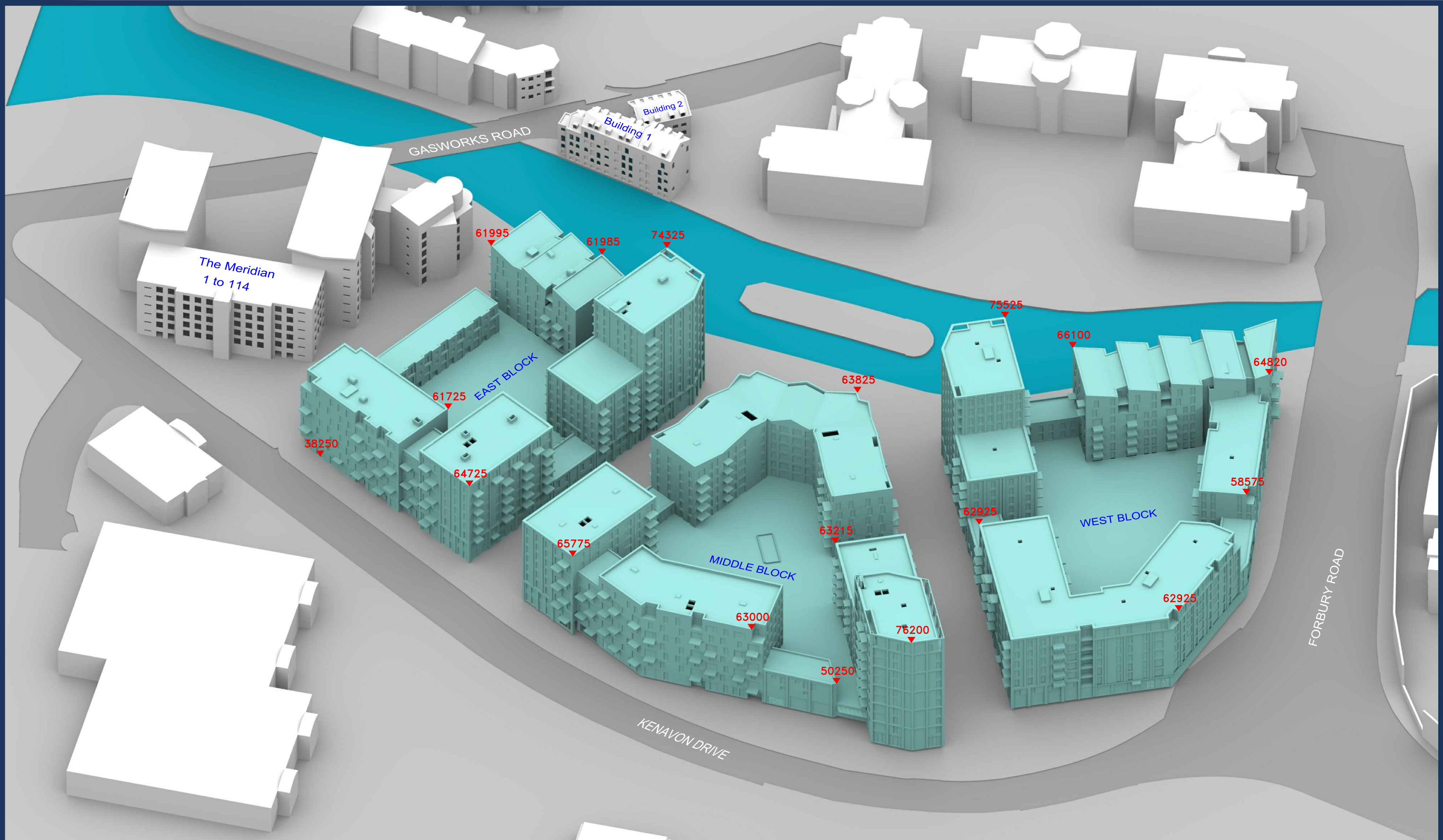
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Date:
Oct 19

Title: 3D View
Proposed Scheme 21/10/19

Dwg No:
P915/51

Rel:
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Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
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AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:

Existing Buildings

Proposed Scheme

All Heights in mm AOD

Scheme Confirmed:	Date:
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Project: Kenavon Drive
Reading

Drawn By:	Scale:	Date:
BW	NTS	Oct 19

Title: 3D View
Proposed Scheme 21/10/19

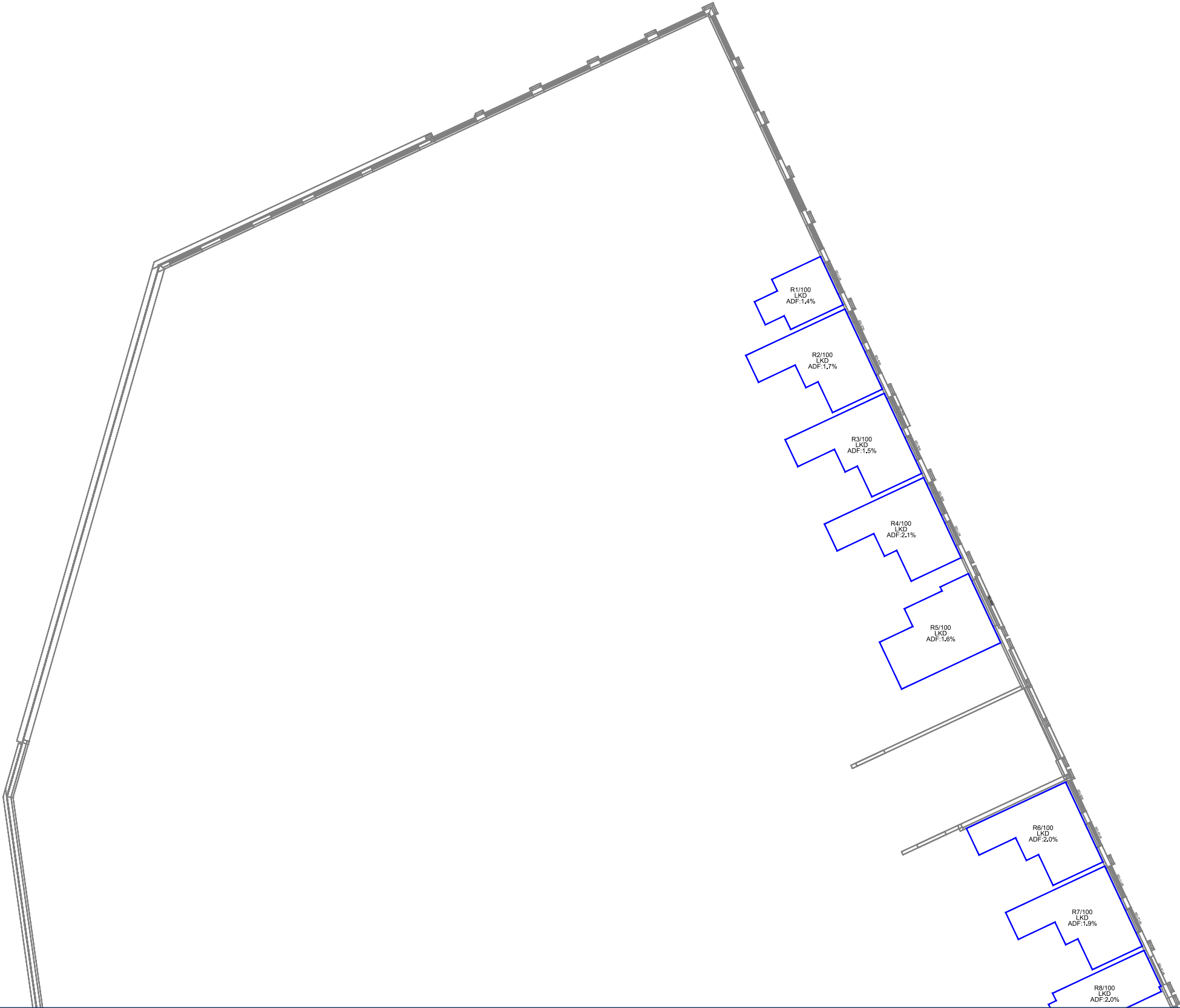
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Appendix 2:

ADF (Daylight) Analysis



GROUND FLOOR



Sources: PRP Topographical Survey 25/05/16 0839-005 003 Existing Site Layout and Topographical Survey - Reading 130711 kr.dwg Proposed Plans & Elevations 18/10/19 AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg Proposed 3D Models 21/10/19 O446-AA5990C-E-ZZ-A-EAST-S73.dwg O446-AA5990C-M-ZZ-A-MID-S73.dwg O446-AA5990C-W-ZZ-A-WEST-S73.dwg Proposed Plans & Elevations 21/10/19 AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg	Key:		Project: Kenavon Drive Reading		Title: Internal ADF Results Proposed Scheme 21/10/19 West Block	
	Scheme Confirmed:	Date:	Drawn By: BW	Scale: 1:300	Date: Oct 19	Dwg No: P915/I/250

Key:		Project: Kenavon Drive Reading		Title: Internal ADF Results Proposed Scheme 21/10/19 West Block	
Scheme Confirmed:	Date:	Drawn By: BW	Scale: 1:300	Date: Oct 19	Dwg No: P915/I/250

Key:		Project: Kenavon Drive Reading		Title: Internal ADF Results Proposed Scheme 21/10/19 West Block	
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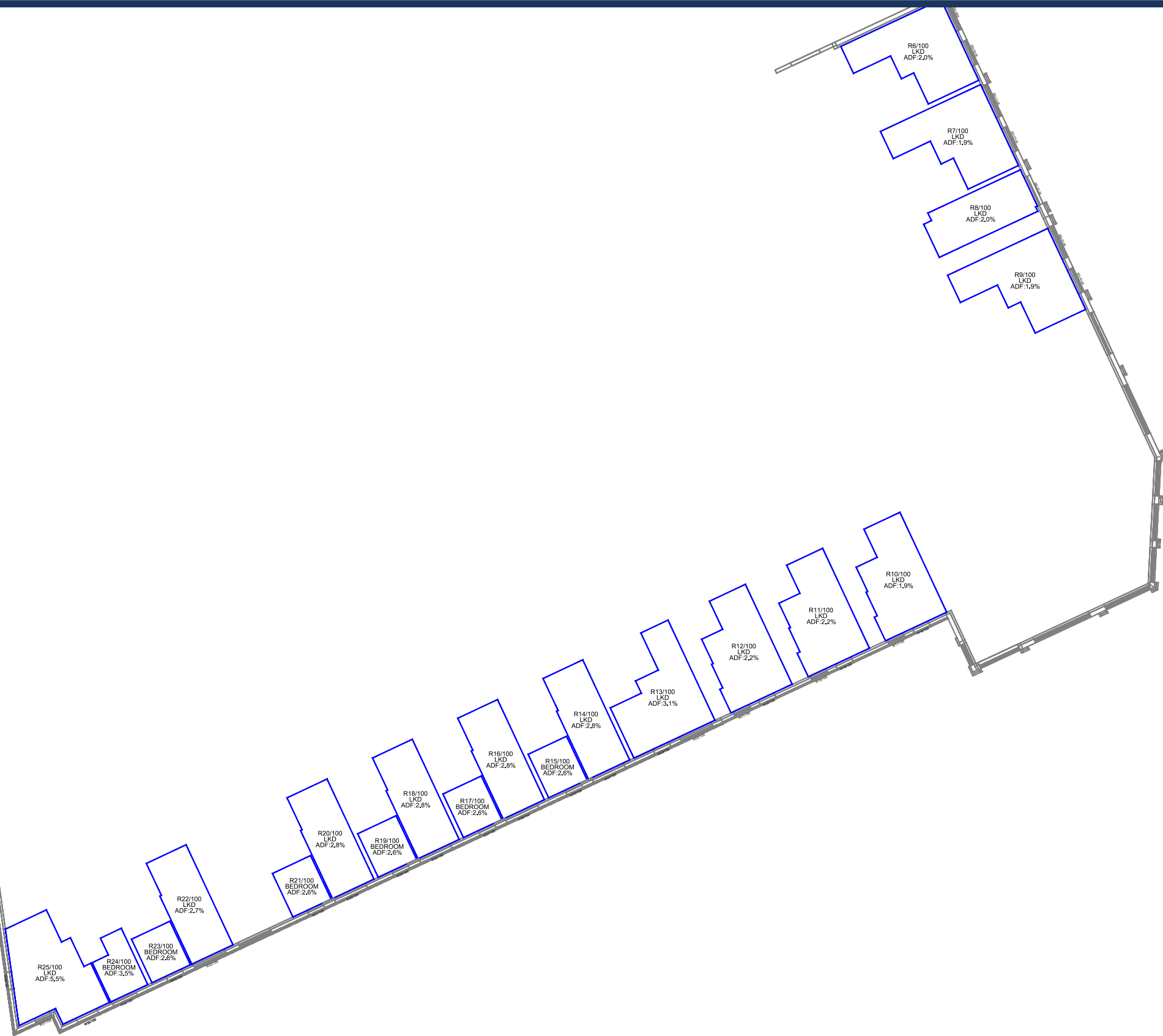
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Key:		Project: Kenavon Drive Reading		Title: Internal ADF Results Proposed Scheme 21/10/19 West Block	
Scheme Confirmed:	Date:	Drawn By: BW	Scale: 1:300	Date: Oct 19	Dwg No: P915/I/250





GROUND FLOOR



Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
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O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

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Scheme Confirmed:

Date:

Project: Kenavon Drive
Reading

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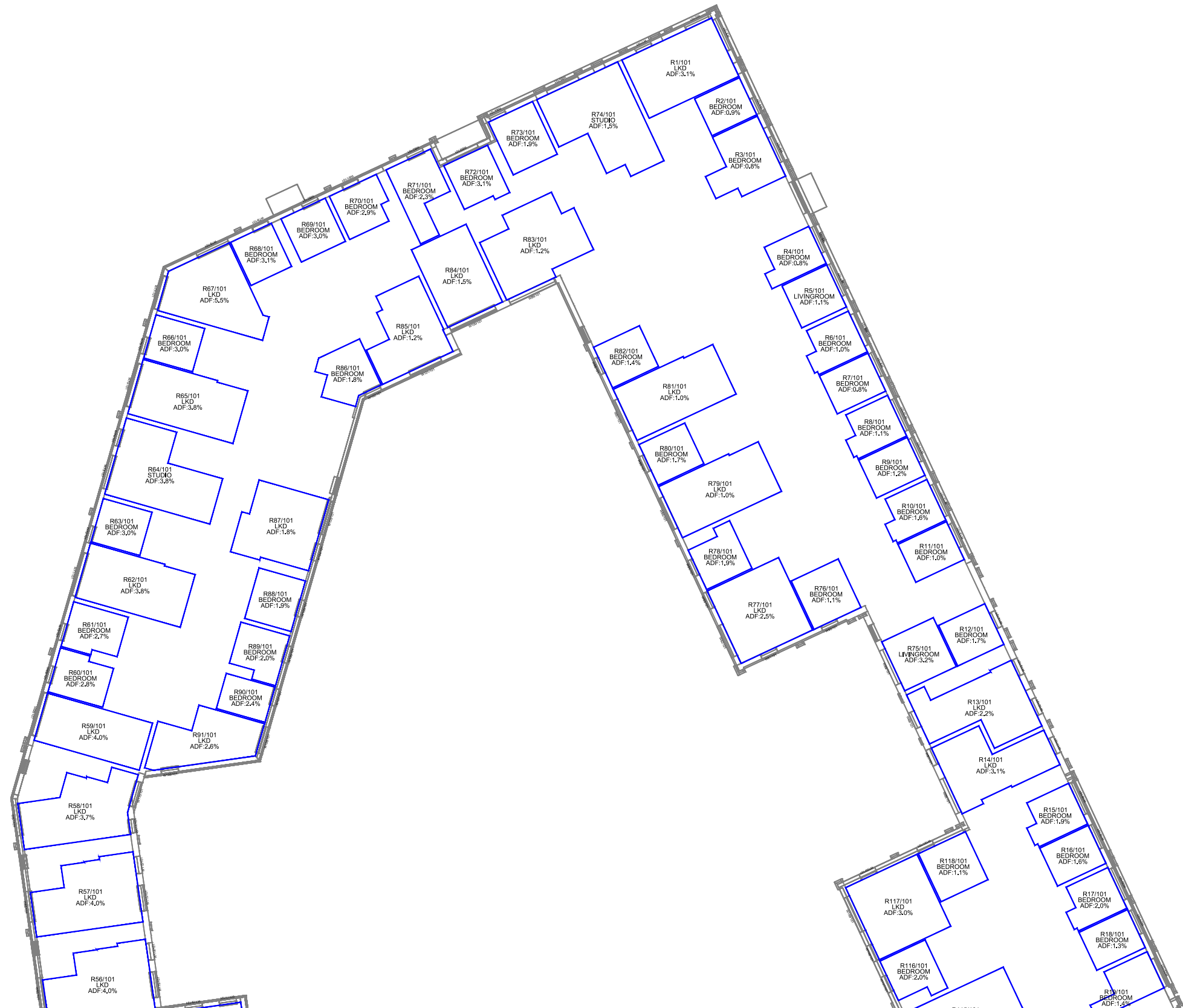
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Oct 19

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Proposed Scheme 21/10/19
West Block

Dwg No:
P915/I/251

Rel:
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Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
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O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

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Drawn By: BW	Scale: 1:300	Date: Oct 19

Title: Internal ADF Results Proposed Scheme 21/10/19 West Block	
Dwg No: P915/I/252	Rel: 20



FIRST FLOOR

Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
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Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

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Scheme Confirmed:

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Project: Kenavon Drive
Reading

Drawn By:
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Date:
Oct 19

Title: Internal ADF Results
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West Block

Dwg No:
P915/I/253

Rel:
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Sources: PRP
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Reading

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West Block

Scheme Confirmed:

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SECOND FLOOR



Sources: PRP
Topographical Survey 25/05/16
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Key:

Project: Kenavon Drive
Reading

Title: Internal ADF Results
Proposed Scheme 21/10/19
West Block

Scheme Confirmed:

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Drawn By:
BW

Scale:
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Date:
Oct 19

Dwg No:
P915/I/255

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THIRD FLOOR



Sources: PRP Topographical Survey 25/05/16 0839-005 003 Existing Site Layout and Topographical Survey - Reading 130711 kr.dwg Proposed Plans & Elevations 18/10/19 AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg Proposed 3D Models 21/10/19 O446-AA5990C-E-ZZ-A-EAST-S73.dwg O446-AA5990C-M-ZZ-A-MID-S73.dwg O446-AA5990C-W-ZZ-A-WEST-S73.dwg Proposed Plans & Elevations 21/10/19 AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg	Key:	
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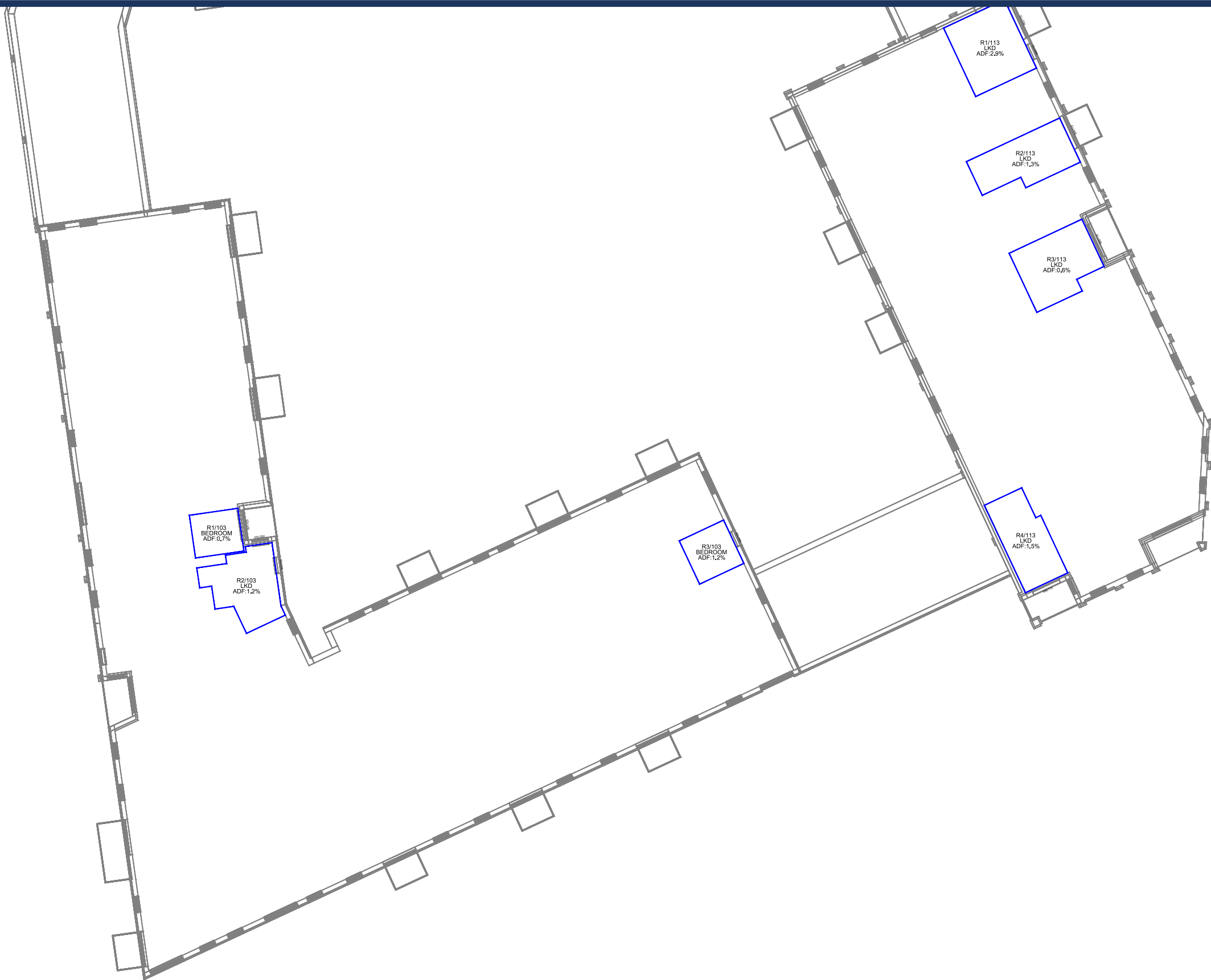
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Oct 19	P915/I/257

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FOURTH FLOOR

Sources: PRP
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O446-AA5990C-W-ZZ-A-WEST-S73.dwg
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AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:

Project: Kenavon Drive
Reading

Title: Internal ADF Results
Proposed Scheme 21/10/19
West Block

Scheme Confirmed:

Date:

Drawn By:
BW

Scale:
1:300

Date:
Oct 19

Dwg No:
P915/I/258

Rel:
20





FOURTH FLOOR

Sources: PRP Topographical Survey 25/05/16 0839-005 003 Existing Site Layout and Topographical Survey - Reading 130711 kr.dwg Proposed Plans & Elevations 18/10/19 AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg Proposed 3D Models 21/10/19 O446-AA5990C-E-ZZ-A-EAST-S73.dwg O446-AA5990C-M-ZZ-A-MID-S73.dwg O446-AA5990C-W-ZZ-A-WEST-S73.dwg Proposed Plans & Elevations 21/10/19 AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg	Key:	
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Oct 19	P915/I/259

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GROUND FLOOR

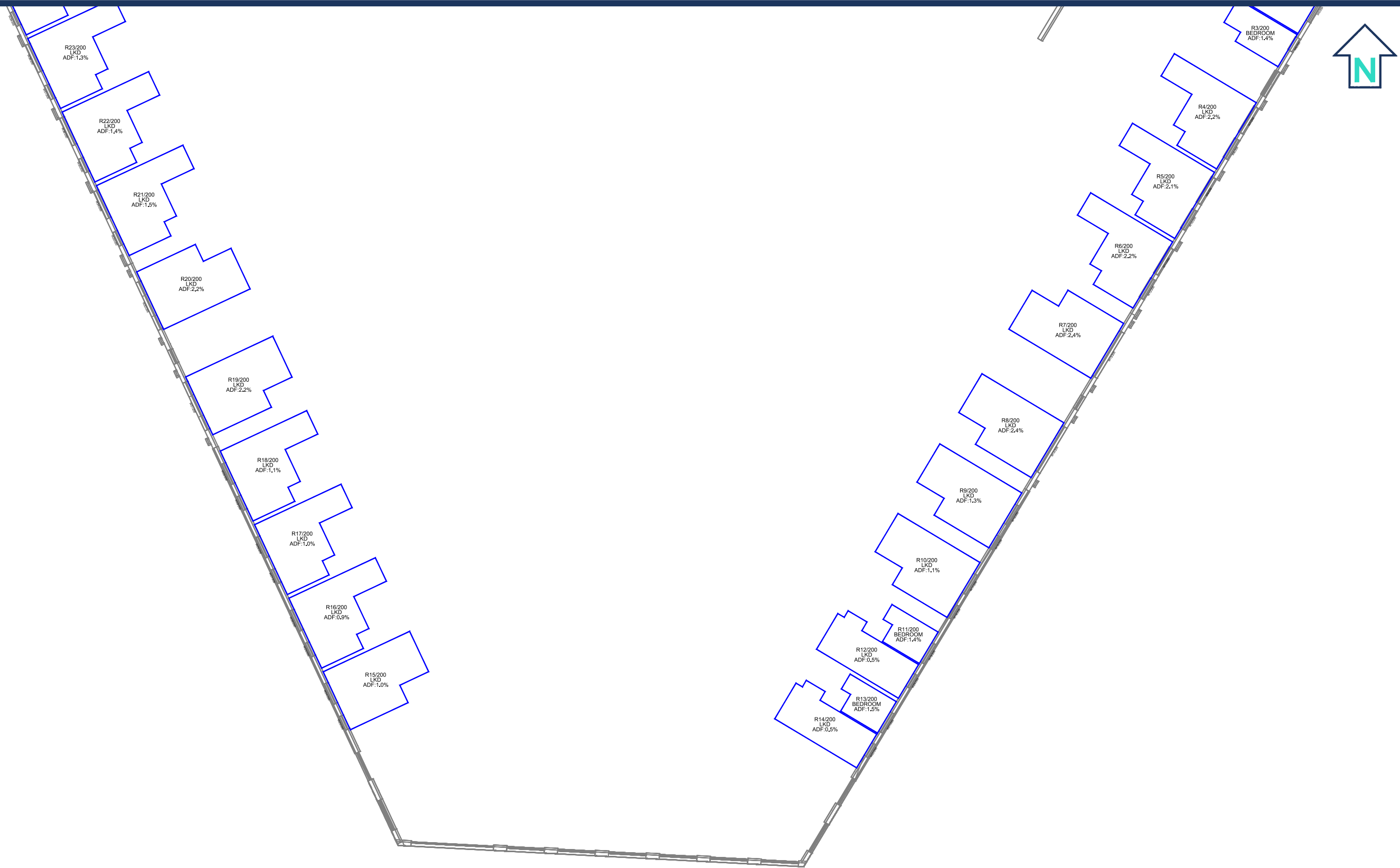
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Drawn By:	Scale:
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Date:	
Oct 19	

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Dwg No:	Rel:
P915/I/260	20





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Proposed Plans & Elevations 21/10/19
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Key:

Scheme Confirmed:

Date:

Project: Kenavon Drive Reading

Drawn By: BW

Scale: 1:300

Date: Oct 19

Title: Internal ADF Results
Proposed Scheme 21/10/19
Middle Block

Dwg No: P915/I/261

Rel: 20





FIRST FLOOR

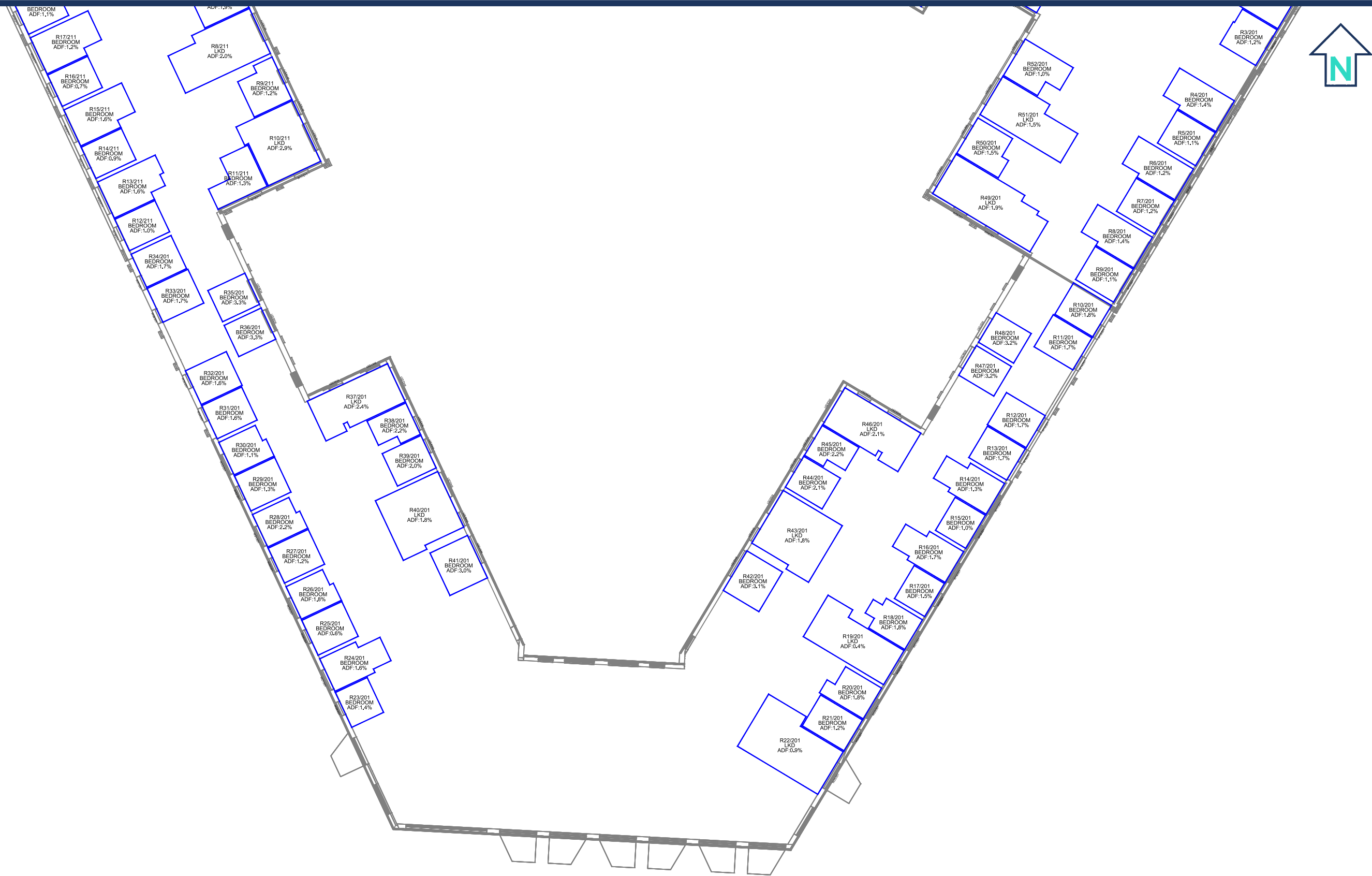
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BW	1:300	Oct 19

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Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
Proposed 3D Models 21/10/19
O446-AA5990C-E-ZZ-A-EAST-S73.dwg
O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:

Scheme Confirmed:

Date:

Project: Kenavon Drive
Reading

Drawn By:
BW

Scale:
1:300

Date:
Oct 19

Title: Internal ADF Results
Proposed Scheme 21/10/19
Middle Block

Dwg No:
P915/I/263

Rel:
20





Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
Proposed 3D Models 21/10/19
O446-AA5990C-E-ZZ-A-EAST-S73.dwg
O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:

Scheme Confirmed:	Date:
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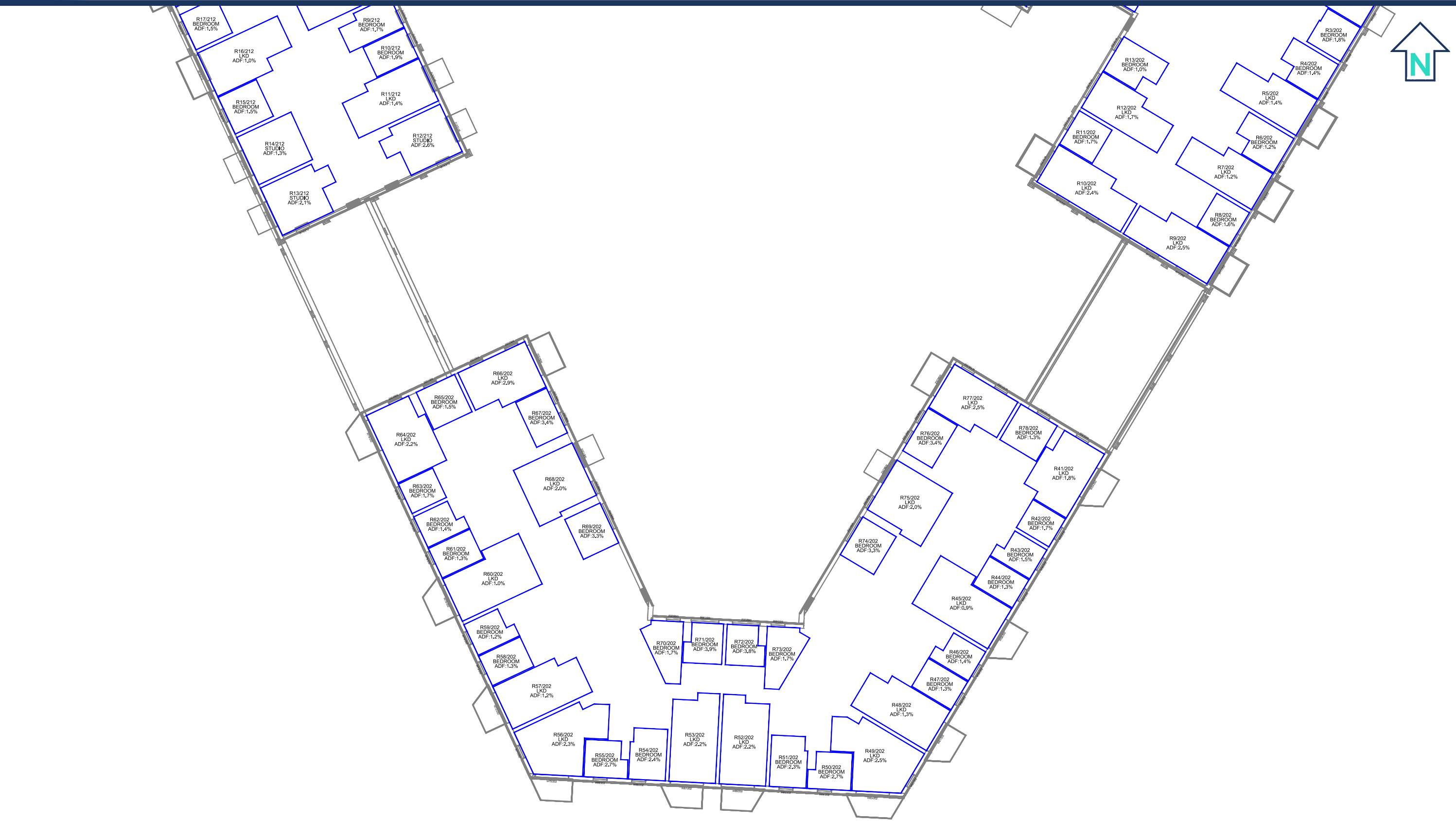
Project: Kenavon Drive
Reading

Drawn By:	Scale:	Date:
BW	1:300	Oct 19

Title: Internal ADF Results
Proposed Scheme 21/10/19
Middle Block

Dwg No:	Rel:
P915/I/264	20





SECOND FLOOR

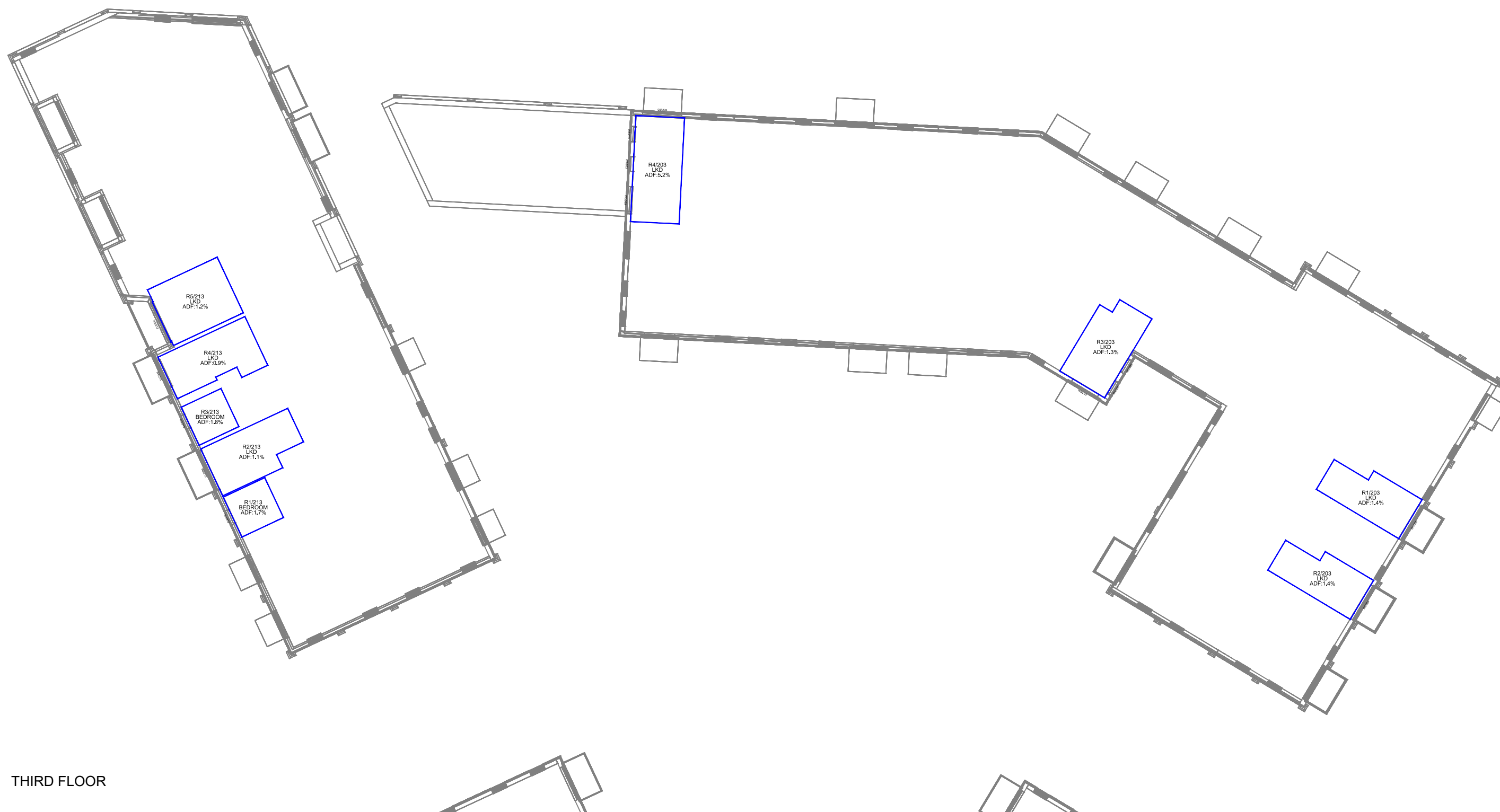
Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey - Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
Proposed 3D Models 21/10/19
O446-AA5990C-E-ZZ-A-EAST-S73.dwg
O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:	
Scheme Confirmed:	Date:

Project: Kenavon Drive Reading			
Drawn By:	Scale:	Date:	
BW	1:300	Oct 19	

Title: Internal ADF Results Proposed Scheme 21/10/19 Middle Block	
Dwg No:	Rel:
P915/I/265	20





Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
Proposed 3D Models 21/10/19
O446-AA5990C-E-ZZ-A-EAST-S73.dwg
O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:

Scheme Confirmed:	Date:
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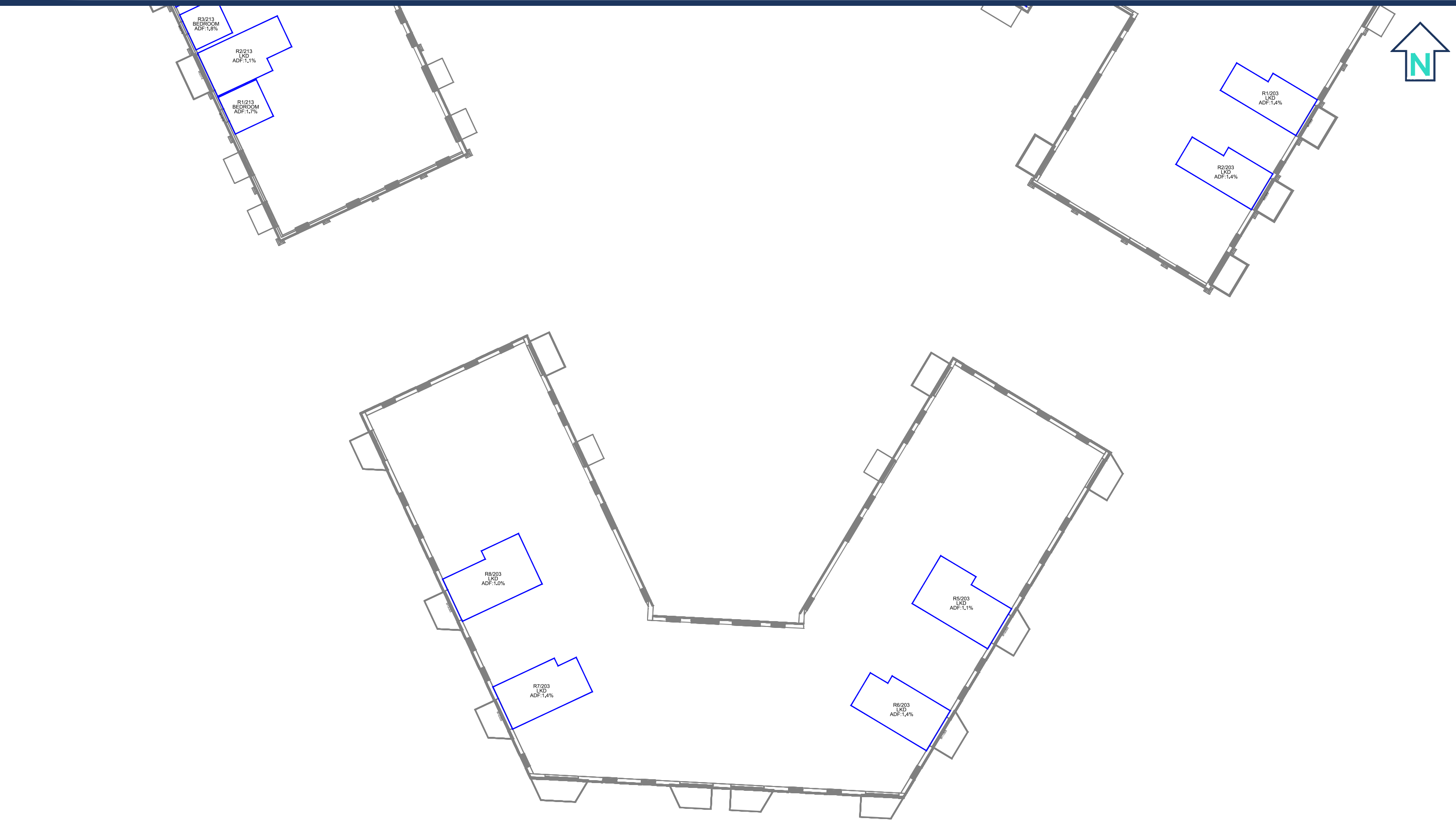
Project: Kenavon Drive
Reading

Drawn By:	Scale:	Date:
BW	1:300	Oct 19

Title: Internal ADF Results
Proposed Scheme 21/10/19
Middle Block

Dwg No:	Rel:
P915/I/266	20





THIRD FLOOR

Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
Proposed 3D Models 21/10/19
O446-AA5990C-E-ZZ-A-EAST-S73.dwg
O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:

Scheme Confirmed:

Date:

Project: Kenavon Drive
Reading

Drawn By:
BW

Scale:
1:300

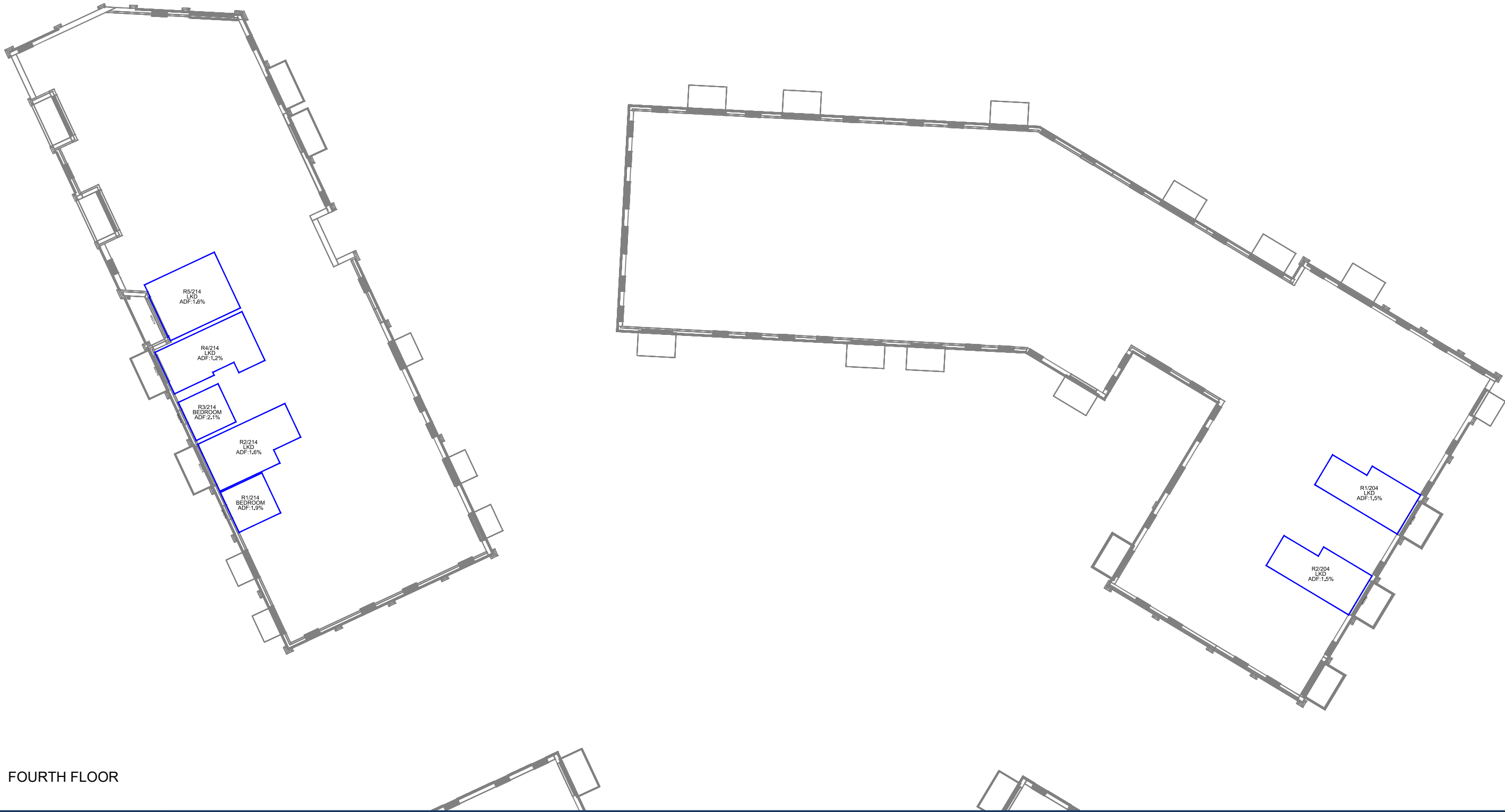
Date:
Oct 19

Title: Internal ADF Results
Proposed Scheme 21/10/19
Middle Block

Dwg No:
P915/I/267

Rel:
20





FOURTH FLOOR

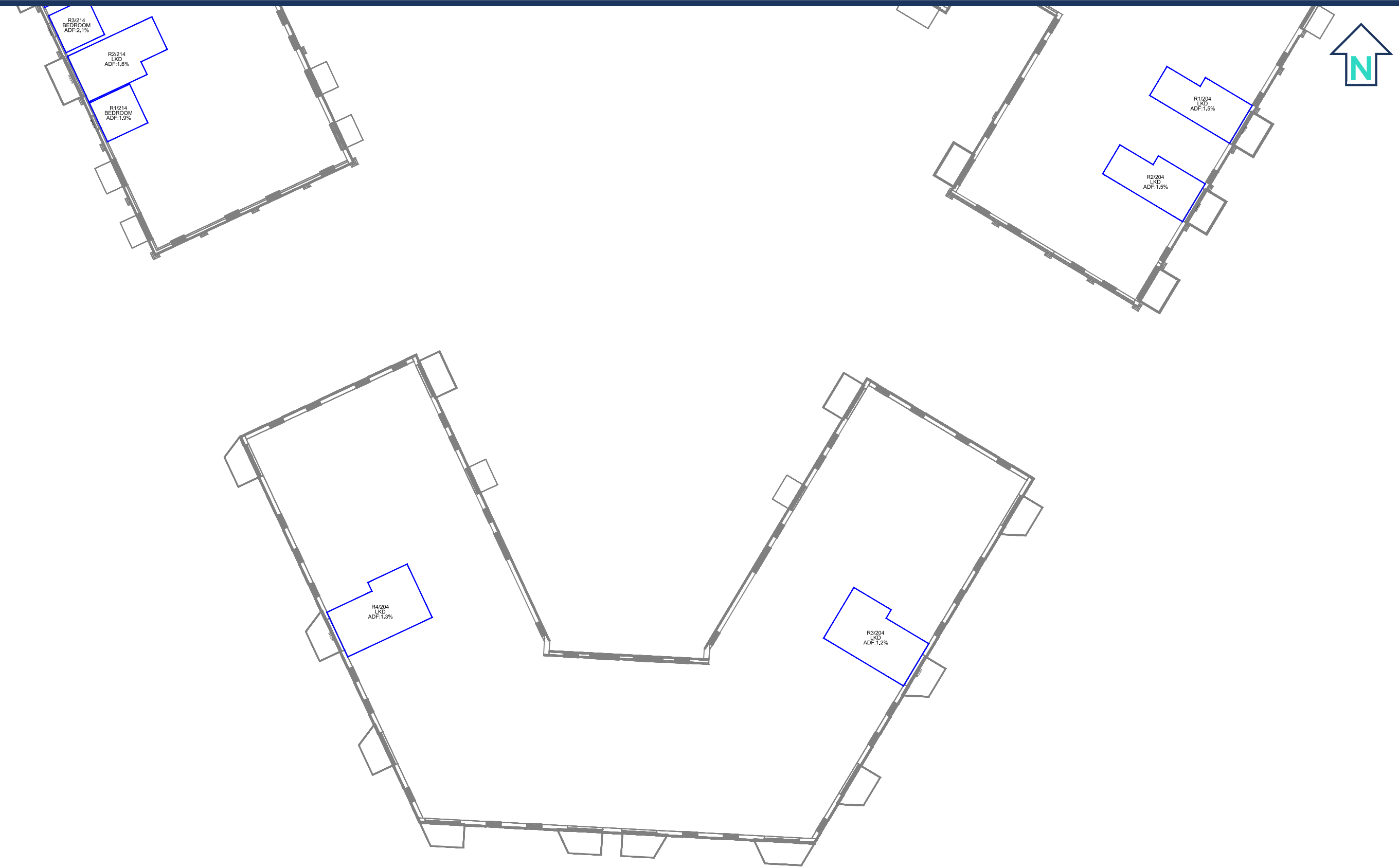
Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
Proposed 3D Models 21/10/19
O446-AA5990C-E-ZZ-A-EAST-S73.dwg
O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:	
Scheme Confirmed:	Date:

Project: Kenavon Drive Reading			
Drawn By:	Scale:	Date:	
BW	1:300	Oct 19	

Title: Internal ADF Results Proposed Scheme 21/10/19 Middle Block	
Dwg No:	Rel:
P915/I/268	20





FOURTH FLOOR

Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
Proposed 3D Models 21/10/19
O446-AA5990C-E-ZZ-A-EAST-S73.dwg
O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:

Project: Kenavon Drive
Reading

Title: Internal ADF Results
Proposed Scheme 21/10/19
Middle Block

Scheme Confirmed:

Date:

Drawn By:
BW

Scale:
1:300

Date:
Oct 19

Dwg No:
P915/I/269

Rel:
20





GROUND FLOOR



Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
Proposed 3D Models 21/10/19
O446-AA5990C-E-ZZ-A-EAST-S73.dwg
O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:	
Scheme Confirmed:	Date:

Project: Kenavon Drive Reading		
Drawn By:	Scale:	Date:
BW	1:300	Oct 19

Title: Internal ADF Results Proposed Scheme 21/10/19 East Block		
Dwg No:	Rel:	
P915/I/270	20	





GROUND FLOOR

Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
Proposed 3D Models 21/10/19
O446-AA5990C-E-ZZ-A-EAST-S73.dwg
O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:

Scheme Confirmed:

Date:

Project: Kenavon Drive
Reading

Drawn By:
BW

Scale:
1:300

Date:
Oct 19

Title: Internal ADF Results
Proposed Scheme 21/10/19
East Block

Dwg No:
P915/I/271

Rel:
20





FIRST FLOOR



Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
Proposed 3D Models 21/10/19
O446-AA5990C-E-ZZ-A-EAST-S73.dwg
O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:

Project: Kenavon Drive
Reading

Title: Internal ADF Results
Proposed Scheme 21/10/19
East Block

Scheme Confirmed:

Date:

Drawn By:
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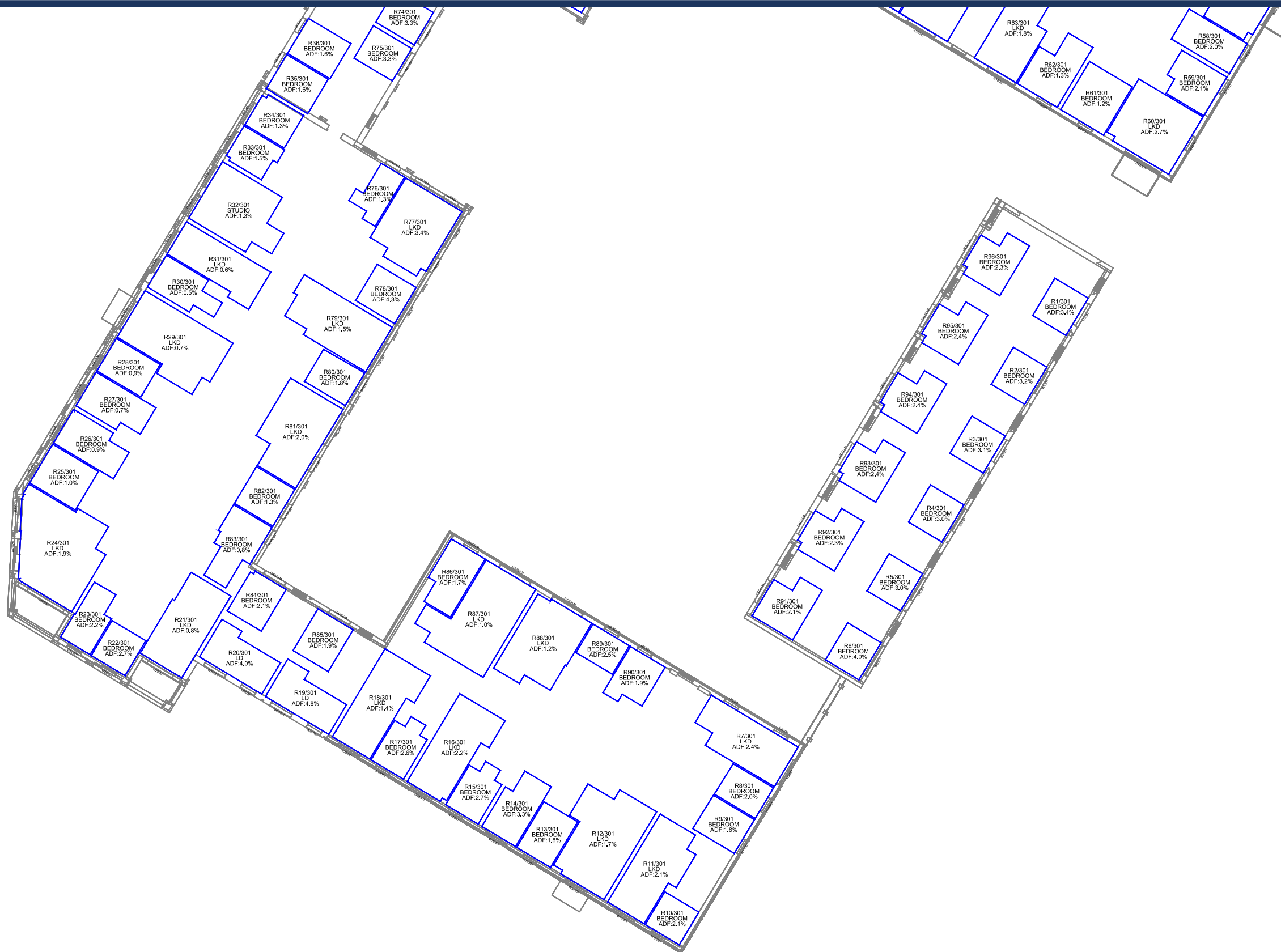
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Date:
Oct 19

Dwg No:
P915/I/272

Rel:
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FIRST FLOOR

Sources: PRP
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Proposed Plans & Elevations 18/10/19
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AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
Proposed 3D Models 21/10/19
O446-AA5990C-E-ZZ-A-EAST-S73.dwg
O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:

Project: Kenavon Drive Reading

Title: Internal ADF Results
Proposed Scheme 21/10/19
East Block

Scheme Confirmed:

Date:

Drawn By: BW

Scale: 1:300

Date: Oct 19

Dwg No: **P915/I/273**

Rel:	20
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SECOND FLOOR



Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
Proposed 3D Models 21/10/19
O446-AA5990C-E-ZZ-A-EAST-S73.dwg
O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:

Project: Kenavon Drive
Reading

Title: Internal ADF Results
Proposed Scheme 21/10/19
East Block

Scheme Confirmed:

Date:

Drawn By:
BW

Scale:
1:300

Date:
Oct 19

Dwg No:
P915/I/274

Rel:
20





SECOND FLOOR

Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
Proposed 3D Models 21/10/19
O446-AA5990C-E-ZZ-A-EAST-S73.dwg
O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:

Scheme Confirmed:

Date:

Project: Kenavon Drive
Reading

Drawn By:
BW

Scale:
1:300

Date:
Oct 19

Title: Internal ADF Results
Proposed Scheme 21/10/19
East Block

Dwg No:
P915/I/275

Rel:
20





THIRD FLOOR



Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
Proposed 3D Models 21/10/19
O446-AA5990C-E-ZZ-A-EAST-S73.dwg
O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

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Scheme Confirmed:

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Reading

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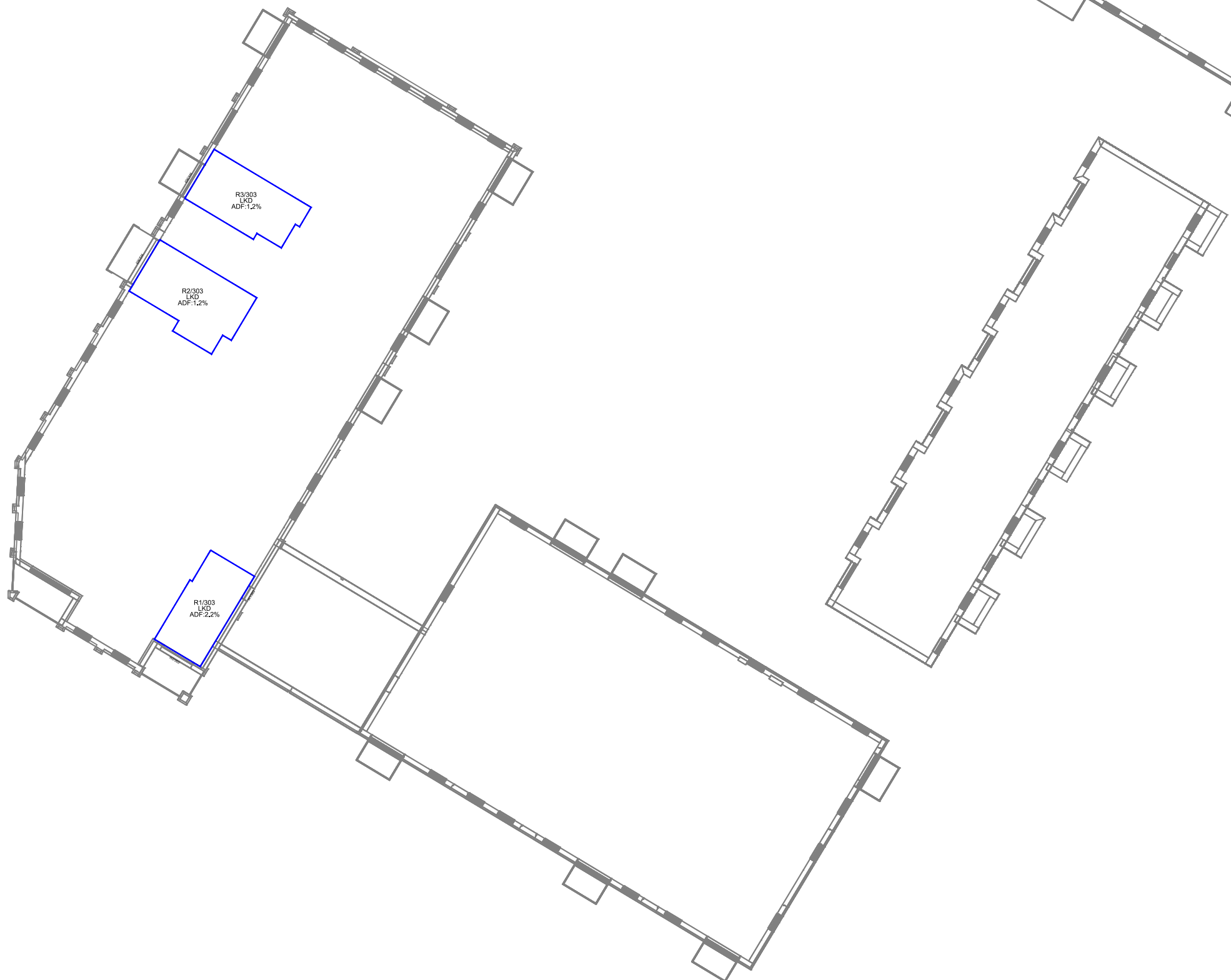
Date:
Oct 19

Title: Internal ADF Results
Proposed Scheme 21/10/19
East Block

Dwg No:
P915/I/276

Rel:
20





THIRD FLOOR

Sources: PRP
Topographical Survey 25/05/16
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Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
Proposed 3D Models 21/10/19
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O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:

Project: Kenavon Drive
Reading

Title: Internal ADF Results
Proposed Scheme 21/10/19
East Block

Scheme Confirmed:

Date:

Drawn By:
BW

Scale:
1:300

Date:
Oct 19

Dwg No:
P915/I/277

Rel:
20

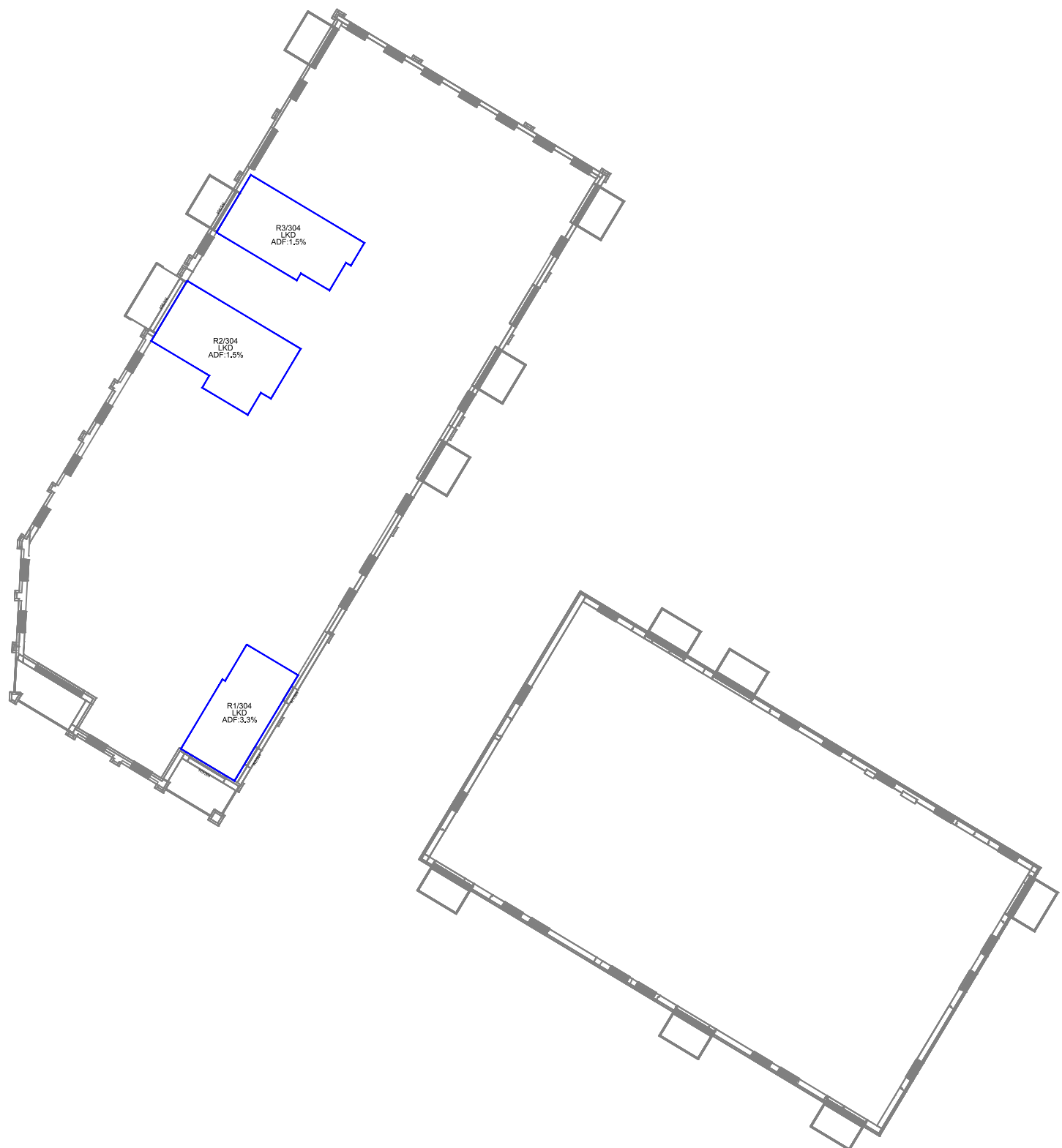


FOURTH FLOOR



Sources: PRP Topographical Survey 25/05/16 0839-005 003 Existing Site Layout and Topographical Survey - Reading 130711 kr.dwg Proposed Plans & Elevations 18/10/19 AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg Proposed 3D Models 21/10/19 O446-AA5990C-E-ZZ-A-EAST-S73.dwg O446-AA5990C-M-ZZ-A-MID-S73.dwg O446-AA5990C-W-ZZ-A-WEST-S73.dwg Proposed Plans & Elevations 21/10/19 AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg	Key:		Project: Kenavon Drive Reading			Title: Internal ADF Results Proposed Scheme 21/10/19 East Block	
	Scheme Confirmed:	Date:	Drawn By: BW	Scale: 1:300	Date: Oct 19	Dwg No: P915/I/278	Rel: 20





FOURTH FLOOR

Sources: PRP
Topographical Survey 25/05/16
0839-005 003 Existing Site Layout and Topographical Survey -
Reading 130711 kr.dwg
Proposed Plans & Elevations 18/10/19
AA5990-2100_West Block.dwg to AA5990-2111_West Block.dwg
AA5990-2180_East Block.dwg to AA5990-2185_East Block.dwg
Proposed 3D Models 21/10/19
O446-AA5990C-E-ZZ-A-EAST-S73.dwg
O446-AA5990C-M-ZZ-A-MID-S73.dwg
O446-AA5990C-W-ZZ-A-WEST-S73.dwg
Proposed Plans & Elevations 21/10/19
AA5990-2140_Middle Block.dwg to AA5990-2151_Middle Block.dwg

Key:

Project: Kenavon Drive
Reading

Title: Internal ADF Results
Proposed Scheme 21/10/19
East Block

Scheme Confirmed:

Date:

Drawn By:
BW

Scale:
1:300

Date:
Oct 19

Dwg No:
P915/I/279

Rel:
20



Appendix 3:

ADF (Daylight) Analysis – Balconies Removed



DAYLIGHT ANALYSIS

KENAVON DRIVE, READING
PROPOSED SCHEME 21/10/19

P915 - rel20

INTERNAL DAYLIGHT

Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
EAST BLOCK					
R1/300	LKD	W1/300	21.40	1.1	1.1
R2/300	LKD	W2/300	19.95	1.1	1.1
R3/300	LKD	W3/300	18.91	1.0	1.0
R4/300	LKD	W4/300	18.08	1.0	1.0
R5/300	LKD	W5/300	17.74	1.0	1.0
R6/300	LKD	W6/300	17.80	1.2	1.2
R7/300	LKD	W7/300	19.89	1.6	1.6
R8/300	BEDROOM	W8/300	20.79	1.6	1.6
R9/300	BEDROOM	W9/300	21.53	1.4	1.4
R10/300	BEDROOM	W10/300	34.89	2.6	2.6
R11/300	LKD	W11/300	34.93	2.8	2.8
R12/300	BEDROOM	W12/300	35.06	2.6	2.6
R13/300	LKD	W13/300	35.12	2.8	2.8
R14/300	BEDROOM	W14/300	35.11	2.7	2.7
R15/300	LKD	W15/300	34.99	2.8	2.8
R16/300	BEDROOM	W16/300	34.84	2.7	2.7
R17/300	LKD	W17/300	34.62	2.8	2.8
R18/300	LKD	W18/300	33.49	2.0	2.0
R19/300	LKD	W19/300	22.83	1.5	1.5
R20/300	STUDIO	W20/300	16.13	0.5	
R20/300	STUDIO	W21/300	15.84	0.9	1.4
R21/300	STUDIO	W22/300	13.14	0.4	
R21/300	STUDIO	W23/300	14.19	0.8	1.2



DAYLIGHT ANALYSIS

KENAVON DRIVE, READING
PROPOSED SCHEME 21/10/19

P915 - rel20

INTERNAL DAYLIGHT

Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R22/300	STUDIO	W24/300	14.79	0.8	
R22/300	STUDIO	W25/300	15.10	0.8	1.6
R23/300	LKD	W26/300	15.19	0.9	
R23/300	LKD	W27/300	16.08	1.0	1.9
R24/300	LKD	W28/300	16.89	2.3	2.3
R25/300	LKD	W29/300	16.76	2.3	2.3
R26/300	LKD	W30/300	15.98	0.9	
R26/300	LKD	W31/300	15.34	1.1	2.0
R27/300	LKD	W32/300	15.23	0.9	
R27/300	LKD	W33/300	14.85	1.1	2.0
R28/300	LKD	W34/300	15.68	0.9	
R28/300	LKD	W35/300	16.10	1.2	2.1
R29/300	BEDROOM	W36/300	20.20	1.4	1.4
R30/300	LKD	W37/300	22.66	1.9	
R30/300	LKD	W38/300	36.49	1.2	
R30/300	LKD	W39/300	36.41	1.2	
R30/300	LKD	W40/300	36.22	1.2	5.5
R31/300	BEDROOM	W41/300	36.30	2.4	2.4
R32/300	LKD	W42/300	36.34	3.4	3.4
R33/300	BEDROOM	W43/300	35.96	2.3	2.3
R34/300	LKD	W44/300	29.77	2.4	2.4
R35/300	BEDROOM	W45/300	27.18	2.0	2.0
R36/300	LKD	W46/300	36.17	2.4	
R36/300	LKD	W47/300	23.02	0.7	3.1
R37/300	BEDROOM	W48/300	23.77	1.5	1.5
R38/300	LKD	W49/300	35.95	2.4	
R38/300	LKD	W50/300	22.78	0.7	3.1
R39/300	BEDROOM	W51/300	23.53	1.5	1.5



DAYLIGHT ANALYSIS

KENAVON DRIVE, READING
PROPOSED SCHEME 21/10/19

P915 - rel20

INTERNAL DAYLIGHT

Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R40/300	BEDROOM	W52/300	35.34	1.9	1.9
R41/300	LKD	W53/300	35.08	1.2	
R41/300	LKD	W54/300	19.12	1.2	
R41/300	LKD	W55/300	29.00	1.1	3.5
R42/300	BEDROOM	W56/300	27.99	1.8	1.8
R1/301	BEDROOM	W1/301	24.21	3.4	3.4
R2/301	BEDROOM	W2/301	22.81	3.2	3.2
R3/301	BEDROOM	W3/301	21.84	3.1	3.1
R4/301	BEDROOM	W4/301	21.12	3.0	3.0
R5/301	BEDROOM	W5/301	20.84	3.0	3.0
R6/301	BEDROOM	W6/301	20.88	4.0	4.0
R7/301	LKD	W7/301	13.94	0.7	
R7/301	LKD	W8/301	14.26	0.7	
R7/301	LKD	W9/301	23.14	1.7	3.1
R8/301	BEDROOM	W10/301	23.83	2.0	2.0
R9/301	BEDROOM	W11/301	24.95	1.8	1.8
R10/301	BEDROOM	W12/301	36.48	3.2	3.2
R11/301	LKD	W13/301	36.50	2.2	2.2
R12/301	LKD	W14/301	36.50	1.7	1.7
R13/301	BEDROOM	W15/301	36.44	2.6	2.6
R14/301	BEDROOM	W16/301	36.44	3.4	3.4
R15/301	BEDROOM	W17/301	36.33	2.7	2.7
R16/301	LKD	W18/301	36.24	2.2	2.2
R17/301	BEDROOM	W19/301	36.04	2.7	2.7
R18/301	LKD	W20/301	35.79	2.2	2.2



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R19/301	LD	W21/301	35.42	1.9	4.8
R19/301	LD	W22/301	34.68	2.9	
R20/301	LD	W23/301	32.25	1.8	4.0
R20/301	LD	W24/301	24.01	2.2	
R21/301	LKD	W25/301	15.64	1.6	1.6
R22/301	BEDROOM	W26/301	36.00	2.7	2.7
R23/301	BEDROOM	W27/301	35.89	2.2	2.2
R24/301	LKD	W28/301	13.78	1.5	2.7
R24/301	LKD	W29/301	26.23	0.6	
R24/301	LKD	W30/301	25.10	0.6	
R25/301	BEDROOM	W31/301	19.88	1.0	1.0
R26/301	BEDROOM	W32/301	19.18	0.9	0.9
R27/301	BEDROOM	W33/301	18.46	0.7	0.7
R28/301	BEDROOM	W34/301	17.96	0.9	0.9
R29/301	LKD	W35/301	17.34	0.9	0.9
R30/301	BEDROOM	W36/301	17.05	0.5	0.5
R31/301	LKD	W37/301	17.08	0.9	0.9
R32/301	STUDIO	W38/301	17.35	0.7	1.4
R32/301	STUDIO	W39/301	17.57	0.7	
R33/301	BEDROOM	W40/301	18.24	1.6	1.6
R34/301	BEDROOM	W41/301	18.77	1.8	1.8
R35/301	BEDROOM	W42/301	18.87	1.6	1.6
R36/301	BEDROOM	W43/301	18.97	1.6	1.6
R37/301	BEDROOM	W44/301	18.99	1.6	1.6
R38/301	BEDROOM	W45/301	18.90	1.6	1.6
R39/301	BEDROOM	W46/301	18.60	1.5	1.5



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R40/301	BEDROOM	W47/301	18.05	1.8	1.8
R41/301	BEDROOM	W48/301	17.07	1.4	1.4
R42/301	BEDROOM	W49/301	16.95	1.4	1.4
R43/301	BEDROOM	W50/301	17.49	1.4	1.4
R44/301	BEDROOM	W51/301	18.12	1.6	1.6
R45/301	BEDROOM	W52/301	21.77	1.2	1.2
R46/301	LKD	W53/301	24.35	1.4	
R46/301	LKD	W54/301	38.31	1.1	
R46/301	LKD	W55/301	38.29	1.1	
R46/301	LKD	W56/301	38.25	1.1	4.7
R47/301	BEDROOM	W57/301	38.21	2.6	2.6
R48/301	BEDROOM	W58/301	38.18	2.0	2.0
R49/301	LKD	W59/301	38.13	3.3	3.3
R50/301	LKD	W60/301	29.05	0.9	
R50/301	LKD	W61/301	32.81	2.6	3.5
R51/301	BEDROOM	W62/301	38.05	2.4	2.4
R52/301	LKD	W63/301	38.02	3.6	3.6
R53/301	BEDROOM	W64/301	37.96	2.4	2.4
R54/301	LKD	W65/301	37.90	3.6	3.6
R55/301	BEDROOM	W66/301	37.65	2.1	2.1
R56/301	BEDROOM	W67/301	37.57	2.7	2.7
R57/301	LKD	W68/301	37.42	1.3	
R57/301	LKD	W69/301	31.56	3.1	4.4
R58/301	BEDROOM	W70/301	30.65	2.0	2.0
R59/301	BEDROOM	W71/301	29.88	2.1	2.1



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R60/301	LKD	W72/301	28.49	1.0	
R60/301	LKD	W73/301	18.06	2.1	3.1
R61/301	BEDROOM	W74/301	16.43	1.2	1.2
R62/301	BEDROOM	W75/301	19.49	1.3	1.3
R63/301	LKD	W76/301	21.69	2.0	2.0
R64/301	LKD	W77/301	23.90	2.0	2.0
R65/301	BEDROOM	W78/301	24.00	1.8	1.8
R66/301	LKD	W79/301	23.38	2.0	2.0
R67/301	BEDROOM	W80/301	21.94	1.7	1.7
R68/301	BEDROOM	W81/301	9.59	1.2	1.2
R69/301	BEDROOM	W82/301	13.52	1.9	1.9
R70/301	BEDROOM	W83/301	13.07	1.1	1.1
R71/301	LKD	W84/301	17.89	1.8	1.8
R72/301	BEDROOM	W85/301	20.98	1.7	1.7
R73/301	LKD	W86/301	22.63	1.6	
R73/301	LKD	W87/301	18.71	0.6	
R73/301	LKD	W88/301	16.16	0.6	2.8
R74/301	BEDROOM	W89/301	19.77	3.3	3.3
R75/301	BEDROOM	W90/301	19.60	3.3	3.3
R76/301	BEDROOM	W91/301	12.99	1.3	1.3
R77/301	LKD	W92/301	15.02	0.6	
R77/301	LKD	W93/301	16.05	0.6	
R77/301	LKD	W94/301	25.98	2.1	
R77/301	LKD	W95/301	25.55	0.9	4.2
R78/301	BEDROOM	W96/301	24.62	4.3	4.3
R79/301	LKD	W97/301	23.24	2.1	2.1



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R80/301	BEDROOM	W98/301	22.24	2.0	2.0
R81/301	LKD	W99/301	20.34	1.8	
R81/301	LKD	W100/301	18.16	0.7	2.5
R82/301	BEDROOM	W101/301	13.05	1.3	1.3
R83/301	BEDROOM	W102/301	10.21	0.8	0.8
R84/301	BEDROOM	W103/301	12.35	2.2	2.2
R85/301	BEDROOM	W104/301	10.34	1.9	1.9
R86/301	BEDROOM	W105/301	22.15	1.7	1.7
R87/301	LKD	W106/301	23.11	1.8	1.8
R88/301	LKD	W107/301	23.33	2.2	2.2
R89/301	BEDROOM	W108/301	22.59	2.5	2.5
R90/301	BEDROOM	W109/301	21.30	1.9	1.9
R91/301	BEDROOM	W110/301	15.71	2.1	2.1
R92/301	BEDROOM	W111/301	18.22	2.3	2.3
R93/301	BEDROOM	W112/301	19.87	2.4	2.4
R94/301	BEDROOM	W113/301	20.39	2.4	2.4
R95/301	BEDROOM	W114/301	19.90	2.4	2.4
R96/301	BEDROOM	W115/301	18.30	2.3	2.3
R1/302	LKD	W1/302	27.89	0.4	
R1/302	LKD	W2/302	16.73	0.8	
R1/302	LKD	W49/302	20.61	1.0	2.2
R2/302	LKD	W3/302	26.57	0.4	
R2/302	LKD	W4/302	15.96	0.8	
R2/302	LKD	W48/302	22.31	1.0	2.2
R3/302	LKD	W5/302	25.48	0.4	
R3/302	LKD	W6/302	15.54	0.8	
R3/302	LKD	W47/302	22.77	1.1	2.3



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R4/302	LKD	W7/302	24.71	0.4	
R4/302	LKD	W8/302	15.26	0.8	
R4/302	LKD	W46/302	22.28	1.0	2.2
R5/302	LKD	W9/302	24.40	0.4	
R5/302	LKD	W10/302	15.03	0.8	
R5/302	LKD	W45/302	20.64	1.0	2.2
R6/302	LKD	W11/302	24.22	0.4	
R6/302	LKD	W12/302	19.91	1.2	
R6/302	LKD	W44/302	17.94	0.9	2.5
R7/302	LKD	W13/302	23.83	2.3	2.3
R8/302	BEDROOM	W14/302	36.27	3.2	3.2
R9/302	BEDROOM	W15/302	36.19	2.7	2.7
R10/302	LKD	W16/302	25.67	2.0	
R10/302	LKD	W17/302	27.72	0.8	
R10/302	LKD	W18/302	26.66	0.8	3.6
R11/302	BEDROOM	W19/302	21.95	1.6	1.6
R12/302	BEDROOM	W20/302	21.22	1.4	1.4
R13/302	BEDROOM	W21/302	20.58	1.4	1.4
R14/302	BEDROOM	W22/302	20.03	1.7	1.7
R15/302	LKD	W23/302	19.72	2.4	2.4
R16/302	BEDROOM	W24/302	19.36	1.7	1.7
R17/302	LKD	W25/302	19.75	1.9	1.9
R18/302	BEDROOM	W26/302	20.08	3.7	3.7
R19/302	LKD	W27/302	20.74	0.8	
R19/302	LKD	W28/302	21.31	1.9	
R19/302	LKD	W29/302	20.40	0.6	
R19/302	LKD	W30/302	18.86	0.5	3.8
R20/302	BEDROOM	W31/302	17.76	1.4	1.4



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R21/302	BEDROOM	W32/302	17.17	1.4	1.4
R22/302	LKD	W33/302	17.67	0.7	
R22/302	LKD	W34/302	18.77	0.7	
R22/302	LKD	W35/302	28.80	2.3	
R22/302	LKD	W36/302	28.41	1.0	4.7
R23/302	BEDROOM	W37/302	27.52	4.8	4.8
R24/302	LKD	W38/302	26.18	2.4	2.4
R25/302	BEDROOM	W39/302	25.18	2.2	2.2
R26/302	LKD	W40/302	23.40	2.0	
R26/302	LKD	W41/302	21.44	0.8	2.8
R27/302	BEDROOM	W42/302	17.13	1.5	1.5
R28/302	BEDROOM	W43/302	14.06	1.0	1.0
R1/303	LKD	W1/303	22.99	0.7	
R1/303	LKD	W2/303	24.44	2.2	2.9
R2/303	LKD	W3/303	22.75	2.6	2.6
R3/303	LKD	W4/303	22.84	2.1	2.1
R1/304	LKD	W1/304	26.93	0.7	
R1/304	LKD	W2/304	30.20	1.1	
R1/304	LKD	W3/304	24.95	2.2	4.0
R2/304	LKD	W4/304	26.33	2.9	2.9
R3/304	LKD	W5/304	26.47	2.4	2.4
R1/312	BEDROOM	W1/312	35.48	4.5	4.5
R2/312	BEDROOM	W2/312	25.04	3.5	3.5
R3/312	LKD	W3/312	20.31	0.7	
R3/312	LKD	W4/312	21.47	0.7	
R3/312	LKD	W5/312	20.64	2.1	3.5
R4/312	BEDROOM	W6/312	18.91	1.6	1.6
R5/312	LKD	W7/312	19.01	2.3	2.3



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R6/312	BEDROOM	W8/312	17.96	1.2	1.2
R7/312	LKD	W9/312	19.40	2.4	2.4
R8/312	BEDROOM	W10/312	19.50	1.3	1.3
R9/312	BEDROOM	W11/312	21.30	1.7	1.7
R10/312	LKD	W12/312	24.89	2.2	
R10/312	LKD	W13/312	38.63	1.4	
R10/312	LKD	W14/312	38.54	1.4	5.0
R11/312	BEDROOM	W15/312	38.61	3.4	3.4
R12/312	LKD	W16/312	39.10	4.6	4.6
R13/312	BEDROOM	W17/312	38.81	2.9	2.9
R14/312	LKD	W18/312	33.61	2.7	
R14/312	LKD	W19/312	29.31	0.9	3.6
R15/312	LKD	W20/312	39.20	3.9	3.9
R16/312	BEDROOM	W21/312	39.21	2.5	2.5
R17/312	LKD	W22/312	39.21	3.9	3.9
R18/312	BEDROOM	W23/312	39.21	2.5	2.5
R19/312	BEDROOM	W24/312	39.21	2.3	2.3
R20/312	BEDROOM	W25/312	39.21	2.9	2.9
R21/312	LKD	W26/312	39.21	4.0	
R21/312	LKD	W27/312	33.76	1.2	5.2
R22/312	BEDROOM	W28/312	32.73	2.2	2.2
R23/312	BEDROOM	W29/312	31.98	2.3	2.3
R24/312	LKD	W30/312	30.97	3.2	
R24/312	LKD	W31/312	23.94	1.0	4.2
R25/312	BEDROOM	W32/312	21.98	1.6	1.6



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R26/312	BEDROOM	W33/312	24.05	1.6	1.6
R27/312	BEDROOM	W34/312	25.60	2.3	2.3
R28/312	LKD	W35/312	26.77	2.3	2.3
R29/312	LKD	W36/312	27.21	2.3	2.3
R30/312	BEDROOM	W37/312	26.91	2.0	2.0
R31/312	LKD	W38/312	25.93	2.2	2.2
R32/312	BEDROOM	W39/312	24.03	1.8	1.8
R33/312	BEDROOM	W40/312	11.08	1.9	1.9
R34/312	BEDROOM	W41/312	14.41	1.4	1.4
R35/312	BEDROOM	W42/312	14.20	1.2	1.2
R36/312	LKD	W43/312	19.59	1.9	1.9
R37/312	BEDROOM	W44/312	23.18	2.0	2.0
R38/312	LKD	W45/312	25.04	1.9	
R38/312	LKD	W46/312	21.39	0.8	
R38/312	LKD	W47/312	20.00	0.7	3.4
R39/312	BEDROOM	W48/312	13.54	2.3	2.3
R40/312	BEDROOM	W49/312	11.59	2.1	2.1
R1/313	LKD	W1/313	21.44	2.4	2.4
R2/313	LKD	W2/313	21.68	2.5	2.5
R1/314	LKD	W1/314	24.38	2.7	2.7
R2/314	LKD	W2/314	24.49	2.7	2.7
R1/322	LKD	W1/322	19.31	0.9	
R1/322	LKD	W2/322	19.98	0.9	
R1/322	LKD	W3/322	25.84	2.4	4.2
R2/322	BEDROOM	W4/322	26.67	2.4	2.4



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R3/322	BEDROOM	W5/322	27.30	2.2	2.2
R4/322	LKD	W6/322	29.24	1.0	
R4/322	LKD	W7/322	37.62	3.1	4.1
R5/322	BEDROOM	W8/322	37.60	3.0	3.0
R6/322	BEDROOM	W9/322	37.55	2.6	2.6
R7/322	LKD	W10/322	37.47	3.2	3.2
R8/322	BEDROOM	W11/322	37.42	3.2	3.2
R9/322	BEDROOM	W12/322	37.33	2.7	2.7
R10/322	BEDROOM	W13/322	37.13	2.7	2.7
R11/322	BEDROOM	W14/322	37.00	3.0	3.0
R12/322	LKD	W15/322	36.70	3.2	3.2
R13/322	BEDROOM	W16/322	4.80	0.3	0.3
R14/322	BEDROOM	W17/322	24.80	2.2	2.2
R15/322	LKD	W18/322	26.08	2.3	2.3
R16/322	LKD	W19/322	26.72	2.5	2.5
R17/322	BEDROOM	W20/322	26.41	2.9	2.9
R18/322	BEDROOM	W21/322	25.44	2.2	2.2
MIDDLE BLOCK					
R1/200	BEDROOM	W1/200	37.69	2.5	2.5
R2/200	LKD	W2/200	37.15	1.4	
R2/200	LKD	W3/200	37.54	1.4	
R2/200	LKD	W4/200	37.34	1.4	
R2/200	LKD	W5/200	22.53	2.2	6.4
R3/200	BEDROOM	W6/200	20.01	1.4	1.4
R4/200	LKD	W7/200	16.33	1.3	
R4/200	LKD	W8/200	15.80	1.0	2.3



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R5/200	LKD	W9/200	15.18	1.2	
R5/200	LKD	W10/200	15.57	0.9	2.1
R6/200	LKD	W11/200	15.91	1.3	
R6/200	LKD	W12/200	16.61	1.0	2.3
R7/200	LKD	W13/200	17.57	2.4	2.4
R8/200	LKD	W14/200	17.23	2.4	2.4
R9/200	LKD	W15/200	15.92	0.8	
R9/200	LKD	W16/200	15.12	0.5	1.3
R10/200	LKD	W17/200	14.05	0.7	
R10/200	LKD	W18/200	13.46	0.4	1.1
R11/200	BEDROOM	W19/200	13.14	1.5	1.5
R12/200	LKD	W20/200	13.05	0.5	0.5
R13/200	BEDROOM	W21/200	13.56	1.5	1.5
R14/200	LKD	W22/200	14.10	0.5	0.5
R15/200	LKD	W23/200	13.53	0.4	
R15/200	LKD	W24/200	13.28	0.7	1.1
R16/200	LKD	W25/200	12.87	0.4	
R16/200	LKD	W26/200	12.94	0.6	1.0
R17/200	LKD	W27/200	13.18	0.4	
R17/200	LKD	W28/200	13.56	0.6	1.0
R18/200	LKD	W29/200	14.18	0.4	
R18/200	LKD	W30/200	14.71	0.7	1.1
R19/200	LKD	W31/200	15.50	2.2	2.2
R20/200	LKD	W32/200	15.72	2.2	2.2
R21/200	LKD	W33/200	15.02	0.5	
R21/200	LKD	W34/200	14.43	1.0	1.5
R22/200	LKD	W35/200	14.12	0.5	
R22/200	LKD	W36/200	13.85	0.9	1.4



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R23/200	LKD	W37/200	13.79	0.4	
R23/200	LKD	W38/200	13.80	0.9	1.3
R24/200	LKD	W39/200	14.21	0.4	
R24/200	LKD	W40/200	14.67	1.0	1.4
R25/200	LKD	W41/200	19.62	1.7	1.7
R26/200	BEDROOM	W42/200	37.92	2.9	2.9
R27/200	BEDROOM	W43/200	37.99	3.0	3.0
R28/200	LKD	W44/200	38.08	2.6	2.6
R29/200	BEDROOM	W45/200	25.27	1.6	1.6
R30/200	LKD	W46/200	38.24	1.2	
R30/200	LKD	W47/200	38.29	3.4	4.6
R31/200	BEDROOM	W48/200	38.26	2.5	2.5
R1/201	BEDROOM	W1/201	38.91	2.7	2.7
R2/201	LKD	W2/201	38.90	1.1	
R2/201	LKD	W3/201	38.87	1.1	
R2/201	LKD	W4/201	38.85	1.1	
R2/201	LKD	W5/201	24.38	1.5	4.8
R3/201	BEDROOM	W6/201	22.14	1.3	1.3
R4/201	BEDROOM	W7/201	18.63	1.6	1.6
R5/201	BEDROOM	W8/201	18.03	1.4	1.4
R6/201	BEDROOM	W9/201	17.51	1.4	1.4
R7/201	BEDROOM	W10/201	17.88	1.4	1.4
R8/201	BEDROOM	W11/201	18.77	1.6	1.6
R9/201	BEDROOM	W12/201	19.41	1.5	1.5
R10/201	BEDROOM	W13/201	19.94	1.8	1.8
R11/201	BEDROOM	W14/201	19.88	1.7	1.7



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R12/201	BEDROOM	W15/201	19.85	1.7	1.7
R13/201	BEDROOM	W16/201	19.54	1.7	1.7
R14/201	BEDROOM	W17/201	18.70	2.0	2.0
R15/201	BEDROOM	W18/201	17.74	1.7	1.7
R16/201	BEDROOM	W19/201	16.33	1.8	1.8
R17/201	BEDROOM	W20/201	15.68	1.5	1.5
R18/201	BEDROOM	W21/201	15.23	1.9	1.9
R19/201	LKD	W22/201	15.04	0.6	0.6
R20/201	BEDROOM	W23/201	15.35	2.0	2.0
R21/201	BEDROOM	W24/201	15.74	1.2	1.2
R22/201	LKD	W25/201	16.55	1.2	1.2
R23/201	BEDROOM	W26/201	15.12	1.4	1.4
R24/201	BEDROOM	W27/201	14.98	1.6	1.6
R25/201	BEDROOM	W28/201	14.74	1.2	1.2
R26/201	BEDROOM	W29/201	14.94	2.1	2.1
R27/201	BEDROOM	W30/201	15.42	1.2	1.2
R28/201	BEDROOM	W31/201	16.00	2.2	2.2
R29/201	BEDROOM	W32/201	17.00	1.4	1.4
R30/201	BEDROOM	W33/201	17.75	2.4	2.4
R31/201	BEDROOM	W34/201	18.25	1.6	1.6
R32/201	BEDROOM	W35/201	18.55	1.6	1.6
R33/201	BEDROOM	W36/201	18.76	1.7	1.7
R34/201	BEDROOM	W37/201	18.71	1.7	1.7



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R35/201	BEDROOM	W38/201	17.62	3.3	3.3
R36/201	BEDROOM	W39/201	17.68	3.3	3.3
R37/201	LKD	W40/201	13.50	0.6	
R37/201	LKD	W41/201	17.88	0.7	
R37/201	LKD	W42/201	23.38	2.3	3.6
R38/201	BEDROOM	W43/201	22.85	2.2	2.2
R39/201	BEDROOM	W44/201	22.35	2.1	2.1
R40/201	LKD	W45/201	21.28	1.6	
R40/201	LKD	W46/201	20.21	0.8	2.4
R41/201	BEDROOM	W47/201	19.01	3.0	3.0
R42/201	BEDROOM	W48/201	19.34	3.1	3.1
R43/201	LKD	W49/201	20.41	0.9	
R43/201	LKD	W50/201	21.38	1.6	2.5
R44/201	BEDROOM	W51/201	22.24	2.1	2.1
R45/201	BEDROOM	W52/201	22.53	2.3	2.3
R46/201	LKD	W53/201	22.90	2.3	
R46/201	LKD	W54/201	14.53	0.6	
R46/201	LKD	W55/201	11.73	0.5	3.4
R47/201	BEDROOM	W56/201	17.81	3.2	3.2
R48/201	BEDROOM	W57/201	17.76	3.2	3.2
R49/201	LKD	W58/201	16.39	0.6	
R49/201	LKD	W59/201	18.65	0.6	
R49/201	LKD	W60/201	18.46	1.4	2.6
R50/201	BEDROOM	W61/201	16.53	1.5	1.5
R51/201	LKD	W62/201	14.28	1.6	1.6
R52/201	BEDROOM	W63/201	11.27	1.0	1.0
R53/201	BEDROOM	W64/201	13.78	1.4	1.4



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R54/201	BEDROOM	W65/201	10.54	2.2	2.2
R55/201	LKD	W66/201	1.95	0.0	
R55/201	LKD	W67/201	2.32	0.0	
R55/201	LKD	W68/201	21.02	1.8	1.8
R56/201	BEDROOM	W69/201	22.45	1.8	1.8
R57/201	BEDROOM	W70/201	20.06	1.3	1.3
R58/201	BEDROOM	W71/201	21.39	1.5	1.5
R59/201	LKD	W72/201	22.99	2.2	2.2
R60/201	LKD	W73/201	24.52	2.2	2.2
R61/201	BEDROOM	W74/201	24.52	1.7	1.7
R62/201	BEDROOM	W75/201	24.13	1.7	1.7
R63/201	BEDROOM	W76/201	23.64	2.3	2.3
R64/201	LKD	W77/201	22.01	1.7	
R64/201	LKD	W78/201	10.41	0.4	
R64/201	LKD	W79/201	9.58	0.4	2.5
R65/201	BEDROOM	W80/201	7.18	1.0	1.0
R66/201	LKD	W81/201	38.74	3.5	3.5
R67/201	BEDROOM	W82/201	38.82	2.3	2.3
R68/201	BEDROOM	W83/201	38.90	2.1	2.1
R69/201	BEDROOM	W84/201	38.92	2.4	2.4
R70/201	LKD	W85/201	38.97	3.7	3.7
R71/201	BEDROOM	W86/201	39.05	2.2	2.2
R72/201	BEDROOM	W87/201	39.06	2.8	2.8
R73/201	LKD	W88/201	39.06	4.1	4.1
R74/201	LKD	W89/201	39.00	1.4	



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R74/201	LKD	W90/201	38.94	3.9	5.3
R75/201	BEDROOM	W91/201	38.76	2.7	2.7
R76/201	LKD	W92/201	37.94	3.3	
R76/201	LKD	W93/201	30.11	1.0	4.3
R77/201	LKD	W94/201	38.97	3.6	3.6
R78/201	BEDROOM	W95/201	38.95	2.1	2.1
R1/202	BEDROOM	W1/202	38.95	3.4	3.4
R2/202	LKD	W2/202	38.94	1.5	
R2/202	LKD	W3/202	38.94	1.5	
R2/202	LKD	W4/202	25.39	2.2	5.2
R3/202	BEDROOM	W5/202	22.26	1.8	1.8
R4/202	BEDROOM	W6/202	20.53	1.4	1.4
R5/202	LKD	W7/202	20.31	2.4	2.4
R6/202	BEDROOM	W8/202	18.98	1.3	1.3
R7/202	LKD	W9/202	19.93	2.3	2.3
R8/202	BEDROOM	W10/202	19.90	1.7	1.7
R9/202	LKD	W11/202	21.57	2.1	
R9/202	LKD	W12/202	20.46	0.7	
R9/202	LKD	W13/202	19.36	0.7	3.5
R10/202	LKD	W14/202	19.90	0.7	
R10/202	LKD	W15/202	21.14	0.8	
R10/202	LKD	W16/202	20.99	1.6	3.1
R11/202	BEDROOM	W17/202	18.81	1.8	1.8
R12/202	LKD	W18/202	16.14	1.7	1.7
R13/202	BEDROOM	W19/202	12.39	1.1	1.1
R14/202	BEDROOM	W20/202	14.65	1.4	1.4
R15/202	BEDROOM	W21/202	11.55	2.3	2.3



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R16/202	LKD	W22/202	2.51	0.0	
R16/202	LKD	W23/202	3.05	0.0	
R16/202	LKD	W24/202	22.98	1.9	1.9
R17/202	BEDROOM	W25/202	24.49	1.9	1.9
R18/202	BEDROOM	W26/202	22.21	1.4	1.4
R19/202	BEDROOM	W27/202	23.65	1.6	1.6
R20/202	LKD	W28/202	25.35	2.3	2.3
R21/202	LKD	W29/202	26.57	2.2	2.2
R22/202	BEDROOM	W30/202	26.87	2.1	2.1
R23/202	BEDROOM	W31/202	26.95	1.8	1.8
R24/202	BEDROOM	W32/202	26.59	1.8	1.8
R25/202	BEDROOM	W33/202	26.11	2.4	2.4
R26/202	LKD	W34/202	24.47	1.8	
R26/202	LKD	W35/202	14.42	0.6	
R26/202	LKD	W36/202	14.12	0.6	3.0
R27/202	BEDROOM	W37/202	10.98	1.4	1.4
R28/202	LKD	W38/202	39.13	1.3	1.3
R29/202	BEDROOM	W39/202	39.20	5.9	5.9
R30/202	BEDROOM	W40/202	39.22	2.1	2.1
R31/202	LKD	W41/202	39.27	3.7	3.7
R32/202	BEDROOM	W42/202	39.31	2.4	2.4
R33/202	LKD	W43/202	39.37	1.3	
R33/202	LKD	W44/202	39.38	3.6	4.9
R34/202	BEDROOM	W45/202	39.47	3.1	3.1
R35/202	BEDROOM	W46/202	39.45	2.6	2.6



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R36/202	BEDROOM	W47/202	39.37	2.5	2.5
R37/202	LKD	W48/202	39.21	4.4	4.4
R38/202	LKD	W49/202	38.71	1.2	
R38/202	LKD	W50/202	34.55	3.0	4.2
R39/202	BEDROOM	W51/202	39.02	2.9	2.9
R40/202	LKD	W52/202	39.37	4.7	4.7
R41/202	LKD	W53/202	19.59	0.7	
R41/202	LKD	W54/202	20.64	2.0	2.7
R42/202	BEDROOM	W55/202	18.84	1.7	1.7
R43/202	BEDROOM	W56/202	18.03	1.5	1.5
R44/202	BEDROOM	W57/202	17.43	1.4	1.4
R45/202	LKD	W58/202	17.29	1.6	1.6
R46/202	BEDROOM	W59/202	17.25	1.4	1.4
R47/202	BEDROOM	W60/202	17.50	1.4	1.4
R48/202	LKD	W61/202	18.16	1.8	1.8
R49/202	LKD	W62/202	19.61	0.6	
R49/202	LKD	W63/202	33.22	2.6	3.2
R50/202	BEDROOM	W64/202	34.13	2.7	2.7
R51/202	BEDROOM	W65/202	34.61	2.4	2.4
R52/202	LKD	W66/202	34.92	3.1	3.1
R53/202	LKD	W67/202	34.83	3.1	3.1
R54/202	BEDROOM	W68/202	34.41	2.4	2.4
R55/202	BEDROOM	W69/202	33.74	2.7	2.7
R56/202	LKD	W70/202	32.94	2.6	
R56/202	LKD	W71/202	19.15	0.6	3.2



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R57/202	LKD	W72/202	17.55	1.7	1.7
R58/202	BEDROOM	W73/202	16.96	1.3	1.3
R59/202	BEDROOM	W74/202	16.73	1.3	1.3
R60/202	LKD	W75/202	16.74	1.5	1.5
R61/202	BEDROOM	W76/202	17.16	1.3	1.3
R62/202	BEDROOM	W77/202	17.78	1.4	1.4
R63/202	BEDROOM	W78/202	18.52	1.7	1.7
R64/202	LKD	W79/202	20.64	2.0	
R64/202	LKD	W80/202	20.37	0.8	2.8
R65/202	BEDROOM	W81/202	19.32	1.5	1.5
R66/202	LKD	W82/202	19.58	0.8	
R66/202	LKD	W83/202	20.93	0.8	
R66/202	LKD	W84/202	26.05	2.5	4.1
R67/202	BEDROOM	W85/202	25.54	1.8	
R67/202	BEDROOM	W86/202	25.06	1.7	3.5
R68/202	LKD	W87/202	24.01	1.7	
R68/202	LKD	W88/202	22.92	0.9	2.6
R69/202	BEDROOM	W89/202	21.65	3.3	3.3
R70/202	BEDROOM	W90/202	21.33	1.7	1.7
R71/202	BEDROOM	W91/202	21.92	3.9	3.9
R72/202	BEDROOM	W92/202	21.79	3.9	3.9
R73/202	BEDROOM	W93/202	20.93	1.7	1.7
R74/202	BEDROOM	W94/202	21.87	3.4	3.4
R75/202	LKD	W95/202	23.03	0.9	
R75/202	LKD	W96/202	24.02	1.8	2.7
R76/202	BEDROOM	W97/202	24.88	1.8	
R76/202	BEDROOM	W98/202	25.17	1.8	3.6



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R77/202	LKD	W99/202	25.52	2.4	
R77/202	LKD	W100/202	17.43	0.7	
R77/202	LKD	W101/202	16.99	0.7	3.8
R78/202	BEDROOM	W102/202	17.57	1.3	1.3
R1/203	LKD	W1/203	22.90	2.6	2.6
R2/203	LKD	W2/203	22.62	2.6	2.6
R3/203	LKD	W3/203	3.40	0.0	
R3/203	LKD	W4/203	4.24	0.1	
R3/203	LKD	W5/203	25.12	2.0	2.1
R4/203	LKD	W6/203	22.22	1.2	
R4/203	LKD	W7/203	23.58	0.3	
R4/203	LKD	W8/203	24.16	0.7	
R4/203	LKD	W9/203	39.43	3.1	5.3
R5/203	LKD	W10/203	19.66	1.8	1.8
R6/203	LKD	W11/203	19.74	2.0	2.0
R7/203	LKD	W12/203	19.29	1.9	1.9
R8/203	LKD	W13/203	19.14	1.7	1.7
R1/204	LKD	W1/204	26.00	2.9	2.9
R2/204	LKD	W2/204	25.81	2.9	2.9
R3/204	LKD	W3/204	22.57	2.0	2.0
R4/204	LKD	W4/204	21.82	1.9	1.9
R1/211	LKD	W1/211	9.69	0.5	
R1/211	LKD	W2/211	12.44	1.0	
R1/211	LKD	W8/211	38.33	0.7	2.2
R2/211	LKD	W3/211	13.64	0.6	
R2/211	LKD	W4/211	13.50	1.0	
R2/211	LKD	W7/211	38.11	0.7	2.3
R3/211	LKD	W5/211	2.95	0.1	
R3/211	LKD	W6/211	3.41	0.0	0.1



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R4/211	LKD	W9/211	19.77	1.0	1.0
R5/211	BEDROOM	W10/211	19.62	2.2	2.2
R6/211	BEDROOM	W11/211	21.01	1.5	1.5
R7/211	BEDROOM	W12/211	21.52	1.9	1.9
R8/211	LKD	W13/211	21.83	2.0	2.0
R9/211	BEDROOM	W14/211	22.19	1.8	1.8
R10/211	LKD	W15/211	22.66	0.9	3.7
R10/211	LKD	W16/211	22.89	2.0	
R10/211	LKD	W17/211	19.30	0.8	
R11/211	BEDROOM	W18/211	16.42	1.3	1.3
R12/211	BEDROOM	W19/211	18.98	1.4	1.4
R13/211	BEDROOM	W20/211	18.21	1.8	1.8
R14/211	BEDROOM	W21/211	17.52	1.3	1.3
R15/211	BEDROOM	W22/211	17.07	1.6	1.6
R16/211	BEDROOM	W23/211	16.78	1.1	1.1
R17/211	BEDROOM	W24/211	16.82	1.6	1.6
R18/211	BEDROOM	W25/211	17.23	1.2	1.2
R19/211	BEDROOM	W26/211	17.75	1.7	1.7
R20/211	LKD	W27/211	12.48	1.7	1.7
R21/211	BEDROOM	W28/211	20.94	1.7	1.7
R22/211	LKD	W29/211	11.52	2.2	2.2
R23/211	BEDROOM	W30/211	26.36	2.0	2.0
R24/211	LKD	W31/211	14.66	2.2	2.2
R25/211	BEDROOM	W32/211	38.32	2.8	2.8



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R26/211	BEDROOM	W33/211	38.51	2.1	2.1
R27/211	LKD	W34/211	38.58	3.8	
R27/211	LKD	W35/211	35.13	1.1	4.9
R28/211	BEDROOM	W36/211	33.85	4.0	4.0
R29/211	STUDIO	W37/211	27.69	2.7	2.7
R1/212	BEDROOM	W1/212	11.38	1.2	1.2
R2/212	BEDROOM	W2/212	14.67	1.4	1.4
R3/212	BEDROOM	W3/212	15.71	1.5	1.5
R4/212	BEDROOM	W4/212	15.32	1.4	1.4
R5/212	BEDROOM	W5/212	14.17	0.9	
R5/212	BEDROOM	W6/212	3.49	0.2	1.1
R6/212	BEDROOM	W7/212	25.52	1.5	1.5
R7/212	BEDROOM	W8/212	24.59	1.8	1.8
R8/212	LKD	W9/212	25.42	2.4	2.4
R9/212	BEDROOM	W10/212	25.26	1.7	1.7
R10/212	BEDROOM	W11/212	24.38	1.9	1.9
R11/212	LKD	W12/212	25.45	2.2	2.2
R12/212	STUDIO	W13/212	25.77	2.4	
R12/212	STUDIO	W14/212	21.84	1.0	3.4
R13/212	STUDIO	W15/212	20.82	0.9	
R13/212	STUDIO	W16/212	21.97	2.0	2.9
R14/212	STUDIO	W17/212	20.65	2.1	2.1
R15/212	BEDROOM	W18/212	19.85	1.5	1.5
R16/212	LKD	W19/212	19.57	2.3	2.3
R17/212	BEDROOM	W20/212	19.88	1.6	1.6



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R18/212	LKD	W21/212	20.46	1.8	1.8
R19/212	LKD	W22/212	14.75	2.2	2.2
R20/212	BEDROOM	W23/212	23.27	1.5	1.5
R21/212	LKD	W24/212	16.80	2.5	2.5
R22/212	BEDROOM	W25/212	28.16	2.0	2.0
R23/212	LKD	W26/212	20.52	2.7	2.7
R24/212	BEDROOM	W27/212	39.04	2.9	2.9
R25/212	BEDROOM	W28/212	39.13	2.4	2.4
R26/212	LKD	W29/212	39.16	4.1	5.3
R26/212	LKD	W30/212	36.08	1.2	
R27/212	BEDROOM	W31/212	35.19	4.1	4.1
R28/212	STUDIO	W32/212	31.41	2.9	2.9
R1/213	BEDROOM	W1/213	23.20	1.7	1.7
R2/213	LKD	W2/213	22.99	2.6	2.6
R3/213	BEDROOM	W3/213	23.22	1.8	1.8
R4/213	LKD	W4/213	23.62	2.0	2.0
R5/213	LKD	W5/213	17.27	2.4	2.4
R1/214	BEDROOM	W1/214	27.08	2.0	2.0
R2/214	LKD	W2/214	26.94	3.0	3.0
R3/214	BEDROOM	W3/214	27.15	2.1	2.1
R4/214	LKD	W4/214	27.46	2.2	2.2
R5/214	LKD	W5/214	20.22	2.7	2.7

WEST BLOCK



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INTERNAL DAYLIGHT

Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R1/100	LKD	W1/100	11.43	1.4	1.4
R2/100	LKD	W2/100	11.40	1.0	
R2/100	LKD	W3/100	12.01	0.8	1.8
R3/100	LKD	W4/100	13.00	0.7	
R3/100	LKD	W5/100	13.40	0.8	1.5
R4/100	LKD	W6/100	14.41	1.2	
R4/100	LKD	W7/100	15.57	1.0	2.2
R5/100	LKD	W8/100	17.24	1.6	1.6
R6/100	LKD	W9/100	16.50	1.2	
R6/100	LKD	W10/100	16.24	0.9	2.1
R7/100	LKD	W11/100	15.21	1.1	
R7/100	LKD	W12/100	15.25	0.8	1.9
R8/100	LKD	W13/100	15.07	2.1	2.1
R9/100	LKD	W14/100	15.13	1.1	
R9/100	LKD	W15/100	14.95	0.8	1.9
R10/100	LKD	W16/100	25.08	0.9	
R10/100	LKD	W17/100	30.18	1.0	1.9
R11/100	LKD	W18/100	33.70	1.1	
R11/100	LKD	W19/100	34.23	1.1	2.2
R12/100	LKD	W20/100	34.65	1.1	
R12/100	LKD	W21/100	34.77	1.1	2.2
R13/100	LKD	W22/100	34.92	2.1	
R13/100	LKD	W23/100	35.01	1.0	3.1
R14/100	LKD	W24/100	35.04	2.8	2.8
R15/100	BEDROOM	W25/100	35.03	2.6	2.6
R16/100	LKD	W26/100	34.97	2.8	2.8
R17/100	BEDROOM	W27/100	34.89	2.6	2.6
R18/100	LKD	W28/100	34.90	2.8	2.8



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INTERNAL DAYLIGHT

Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R19/100	BEDROOM	W29/100	34.88	2.6	2.6
R20/100	LKD	W30/100	34.86	2.8	2.8
R21/100	BEDROOM	W31/100	34.82	2.6	2.6
R22/100	LKD	W32/100	34.80	2.8	2.8
R23/100	BEDROOM	W33/100	34.82	2.6	2.6
R24/100	BEDROOM	W34/100	34.83	3.5	3.5
R25/100	LKD	W35/100	35.06	1.8	5.5
R25/100	LKD	W36/100	36.17	2.1	
R25/100	LKD	W37/100	24.40	0.7	
R25/100	LKD	W38/100	35.35	0.9	
R1/101	LKD	W1/101	37.33	0.9	3.3
R1/101	LKD	W2/101	36.78	1.5	
R1/101	LKD	W3/101	16.42	0.9	
R2/101	BEDROOM	W4/101	14.44	0.9	0.9
R3/101	BEDROOM	W5/101	13.89	0.8	0.8
R4/101	BEDROOM	W6/101	13.56	0.8	0.8
R5/101	LIVINGROOM	W7/101	13.76	1.3	1.3
R6/101	BEDROOM	W8/101	14.06	1.1	1.1
R7/101	BEDROOM	W9/101	14.47	1.0	1.0
R8/101	BEDROOM	W10/101	15.27	1.4	1.4
R9/101	BEDROOM	W11/101	16.13	1.3	1.3
R10/101	BEDROOM	W12/101	17.46	1.8	1.8
R11/101	BEDROOM	W13/101	18.36	1.6	1.6
R12/101	BEDROOM	W14/101	18.70	1.7	1.7
R13/101	LKD	W15/101	19.74	0.7	2.2
R13/101	LKD	W16/101	19.77	0.7	
R13/101	LKD	W88/101	19.70	0.8	



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R14/101	LKD	W17/101	19.67	0.7	
R14/101	LKD	W86/101	16.09	1.6	
R14/101	LKD	W87/101	18.96	0.8	3.1
R15/101	BEDROOM	W18/101	19.91	2.3	2.3
R16/101	BEDROOM	W19/101	18.94	1.8	1.8
R17/101	BEDROOM	W20/101	18.41	2.1	2.1
R18/101	BEDROOM	W21/101	18.09	1.7	1.7
R19/101	BEDROOM	W22/101	17.92	1.4	1.4
R20/101	BEDROOM	W23/101	18.01	2.0	2.0
R21/101	BEDROOM	W24/101	18.42	1.6	1.6
R22/101	BEDROOM	W25/101	20.08	0.9	0.9
R23/101	BEDROOM	W26/101	20.66	1.2	1.2
R24/101	LKD	W27/101	26.03	0.7	
R24/101	LKD	W28/101	27.16	0.7	
R24/101	LKD	W29/101	17.02	2.2	3.6
R25/101	BEDROOM	W30/101	36.08	2.0	2.0
R26/101	BEDROOM	W31/101	36.12	2.7	
R26/101	BEDROOM	W32/101	13.49	1.7	4.4
R27/101	LKD	W33/101	18.22	1.9	1.9
R28/101	BEDROOM	W34/101	26.89	2.2	2.2
R29/101	BEDROOM	W35/101	34.75	2.7	2.7
R30/101	BEDROOM	W36/101	35.75	2.8	2.8
R31/101	BEDROOM	W37/101	36.04	4.1	4.1
R32/101	BEDROOM	W38/101	36.14	2.8	2.8
R33/101	LKD	W39/101	36.20	2.2	2.2



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R34/101	BEDROOM	W40/101	36.20	2.7	2.7
R35/101	LKD	W41/101	36.19	2.2	2.2
R36/101	BEDROOM	W42/101	36.13	2.7	2.7
R37/101	LKD	W43/101	36.18	2.2	2.2
R38/101	BEDROOM	W44/101	36.15	2.7	2.7
R39/101	LKD	W45/101	36.17	2.2	2.2
R40/101	BEDROOM	W46/101	36.13	2.7	2.7
R41/101	LKD	W47/101	36.16	2.2	2.2
R42/101	BEDROOM	W48/101	36.17	2.7	2.7
R43/101	BEDROOM	W49/101	36.21	4.3	4.3
R44/101	BEDROOM	W50/101	21.48	1.6	4.5
R44/101	BEDROOM	W51/101	37.10	2.9	
R45/101	LKD	W52/101	36.94	3.4	3.4
R46/101	BEDROOM	W53/101	36.75	2.8	2.8
R47/101	BEDROOM	W54/101	36.70	4.9	4.9
R48/101	BEDROOM	W55/101	23.50	4.1	4.1
R49/101	LKD	W56/101	13.06	0.6	2.8
R49/101	LKD	W57/101	36.15	1.1	
R49/101	LKD	W58/101	36.09	1.1	
R50/101	BEDROOM	W59/101	35.71	3.2	3.2
R51/101	LKD	W60/101	36.18	3.7	3.7
R52/101	BEDROOM	W61/101	35.97	2.6	2.6
R53/101	BEDROOM	W62/101	36.19	2.7	2.7
R54/101	BEDROOM	W63/101	35.96	2.7	2.7
R55/101	LKD	W64/101	36.16	3.3	3.3



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R56/101	LKD	W65/101	36.10	2.1	
R56/101	LKD	W114/101	18.41	0.8	
R56/101	LKD	W115/101	15.86	1.1	4.0
R57/101	LKD	W66/101	36.22	2.1	
R57/101	LKD	W112/101	18.75	0.8	
R57/101	LKD	W113/101	19.55	1.2	4.1
R58/101	LKD	W67/101	36.32	2.2	
R58/101	LKD	W110/101	17.39	1.1	
R58/101	LKD	W111/101	16.52	0.6	3.9
R59/101	LKD	W68/101	36.97	4.0	4.0
R60/101	BEDROOM	W69/101	36.93	2.8	2.8
R61/101	BEDROOM	W70/101	37.05	2.7	2.7
R62/101	LKD	W71/101	37.45	3.8	3.8
R63/101	BEDROOM	W72/101	37.26	3.0	3.0
R64/101	STUDIO	W73/101	37.63	2.6	
R64/101	STUDIO	W74/101	37.45	1.2	3.8
R65/101	LKD	W75/101	37.73	3.8	3.8
R66/101	BEDROOM	W76/101	37.61	3.0	3.0
R67/101	LKD	W77/101	37.87	2.7	
R67/101	LKD	W78/101	38.30	2.8	5.5
R68/101	BEDROOM	W79/101	38.04	3.1	3.1
R69/101	BEDROOM	W80/101	38.14	3.0	3.0
R70/101	BEDROOM	W81/101	37.92	2.9	2.9
R71/101	BEDROOM	W82/101	37.74	2.3	2.3
R72/101	BEDROOM	W83/101	25.95	4.1	4.1
R73/101	BEDROOM	W84/101	37.98	1.9	1.9
R74/101	STUDIO	W85/101	37.79	1.8	1.8



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R75/101	LIVINGROOM	W89/101	18.22	3.2	3.2
R76/101	BEDROOM	W90/101	11.82	1.1	1.1
R77/101	LKD	W91/101	17.44	0.7	
R77/101	LKD	W92/101	24.61	1.9	
R77/101	LKD	W93/101	23.68	0.9	3.5
R78/101	BEDROOM	W94/101	22.65	2.0	2.0
R79/101	LKD	W95/101	20.82	1.8	1.8
R80/101	BEDROOM	W96/101	18.86	1.8	1.8
R81/101	LKD	W97/101	16.61	1.6	1.6
R82/101	BEDROOM	W98/101	14.08	1.5	1.5
R83/101	LKD	W99/101	15.50	2.1	2.1
R84/101	LKD	W100/101	16.14	2.6	2.6
R85/101	LKD	W101/101	19.29	2.1	2.1
R86/101	BEDROOM	W102/101	19.50	1.9	1.9
R87/101	LKD	W103/101	18.98	1.8	
R87/101	LKD	W104/101	20.03	0.9	2.7
R88/101	BEDROOM	W105/101	21.57	1.9	1.9
R89/101	BEDROOM	W106/101	22.45	2.0	2.0
R90/101	BEDROOM	W107/101	22.97	2.4	2.4
R91/101	LKD	W108/101	23.30	1.8	
R91/101	LKD	W109/101	15.14	0.8	2.6
R92/101	LKD	W116/101	12.15	0.5	
R92/101	LKD	W117/101	14.91	0.6	
R92/101	LKD	W118/101	22.88	1.7	2.8
R93/101	BEDROOM	W119/101	21.95	2.0	2.0
R94/101	BEDROOM	W120/101	21.02	1.9	1.9



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R95/101	LKD	W121/101	19.71	1.9	1.9
R96/101	BEDROOM	W122/101	17.61	1.6	1.6
R97/101	BEDROOM	W123/101	7.49	2.0	2.0
R98/101	LKD	W124/101	7.48	0.5	
R98/101	LKD	W125/101	13.42	0.7	1.2
R99/101	BEDROOM	W126/101	15.21	1.6	1.6
R100/101	BEDROOM	W127/101	16.90	1.7	1.7
R101/101	LKD	W128/101	19.68	1.8	1.8
R102/101	BEDROOM	W129/101	22.17	2.1	2.1
R103/101	BEDROOM	W130/101	22.94	2.1	2.1
R104/101	LKD	W131/101	24.14	2.0	2.0
R105/101	BEDROOM	W132/101	24.74	2.2	2.2
R106/101	LKD	W133/101	24.58	2.4	
R106/101	LKD	W134/101	9.02	0.8	3.2
R107/101	BEDROOM	W135/101	6.56	0.5	0.5
R108/101	LIVINGROOM	W136/101	11.87	1.4	
R108/101	LIVINGROOM	W137/101	14.20	1.6	3.0
R109/101	LIVINGROOM	W138/101	16.12	1.7	
R109/101	LIVINGROOM	W139/101	16.43	1.7	3.4
R110/101	LIVINGROOM	W140/101	15.71	1.6	
R110/101	LIVINGROOM	W141/101	14.71	1.6	3.2
R111/101	BEDROOM	W142/101	16.90	1.6	1.6
R112/101	BEDROOM	W143/101	19.94	1.8	1.8
R113/101	LKD	W144/101	21.75	1.8	1.8
R114/101	BEDROOM	W145/101	23.20	2.0	2.0



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R115/101	LKD	W146/101	24.05	2.2	2.2
R116/101	BEDROOM	W147/101	24.91	2.0	2.0
R117/101	LKD	W148/101	25.42	0.9	
R117/101	LKD	W149/101	25.90	2.1	
R117/101	LKD	W150/101	17.12	0.7	3.7
R118/101	BEDROOM	W151/101	12.82	1.2	1.2
R1/102	BEDROOM	W1/102	27.79	2.4	2.4
R2/102	BEDROOM	W2/102	35.53	2.8	2.8
R3/102	BEDROOM	W3/102	36.59	2.8	2.8
R4/102	BEDROOM	W5/102	37.06	2.6	2.6
R5/102	BEDROOM	W6/102	37.09	2.8	2.8
R6/102	LKD	W7/102	37.13	2.9	2.9
R7/102	BEDROOM	W8/102	37.13	2.9	2.9
R8/102	BEDROOM	W9/102	37.11	3.0	3.0
R9/102	LKD	W10/102	37.16	2.9	2.9
R10/102	BEDROOM	W11/102	37.16	2.9	2.9
R11/102	BEDROOM	W12/102	37.17	3.0	3.0
R12/102	LKD	W13/102	37.18	3.3	3.3
R13/102	BEDROOM	W14/102	37.20	2.9	2.9
R14/102	BEDROOM	W15/102	37.22	3.0	3.0
R15/102	BEDROOM	W16/102	37.25	5.4	5.4
R16/102	BEDROOM	W17/102	37.29	2.7	2.7
R17/102	LKD	W18/102	37.38	2.7	
R17/102	LKD	W19/102	38.31	2.7	
R17/102	LKD	W20/102	38.29	1.1	
R17/102	LKD	W21/102	38.23	1.1	7.6



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R18/102	LKD	W22/102	38.14	3.7	3.7
R19/102	BEDROOM	W23/102	38.08	3.0	3.0
R20/102	BEDROOM	W24/102	38.02	3.1	3.1
R21/102	BEDROOM	W25/102	24.14	4.2	4.2
R22/102	LKD	W26/102	13.31	0.6	
R22/102	LKD	W27/102	37.54	1.1	
R22/102	LKD	W28/102	37.51	1.1	2.8
R23/102	BEDROOM	W29/102	37.16	3.1	3.1
R24/102	BEDROOM	W30/102	37.65	6.7	6.7
R25/102	LKD	W31/102	37.44	1.5	1.5
R26/102	BEDROOM	W32/102	37.67	2.8	2.8
R27/102	BEDROOM	W33/102	37.42	2.8	2.8
R28/102	LKD	W34/102	37.62	3.3	3.3
R29/102	LKD	W35/102	16.65	0.7	
R29/102	LKD	W36/102	19.97	0.7	
R29/102	LKD	W37/102	25.09	1.8	3.2
R30/102	BEDROOM	W38/102	24.18	2.1	2.1
R31/102	BEDROOM	W39/102	23.24	2.1	2.1
R32/102	LKD	W40/102	21.91	2.0	2.0
R33/102	BEDROOM	W41/102	19.66	1.7	1.7
R34/102	BEDROOM	W42/102	8.59	2.1	2.1
R35/102	LKD	W43/102	7.98	0.6	
R35/102	LKD	W44/102	14.83	0.8	1.4
R36/102	BEDROOM	W45/102	17.25	1.8	1.8
R37/102	BEDROOM	W46/102	19.33	1.8	1.8



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R38/102	LKD	W47/102	22.51	1.9	1.9
R39/102	BEDROOM	W48/102	25.08	2.3	2.3
R40/102	BEDROOM	W49/102	25.82	2.3	2.3
R41/102	LKD	W50/102	26.89	2.2	2.2
R42/102	BEDROOM	W51/102	27.38	2.3	2.3
R43/102	LKD	W52/102	27.15	2.6	
R43/102	LKD	W53/102	11.93	0.9	3.5
R44/102	BEDROOM	W54/102	9.43	0.9	0.9
R45/102	LKD	W4/102	36.92	3.2	3.2
R46/102	BEDROOM	W55/102	15.47	2.0	2.0
R47/102	BEDROOM	W56/102	17.73	2.0	2.0
R48/102	BEDROOM	W57/102	15.61	1.8	1.8
R1/103	BEDROOM	W1/103	9.90	2.3	2.3
R2/103	LKD	W2/103	8.52	0.6	
R2/103	LKD	W3/103	16.48	0.8	1.4
R3/103	BEDROOM	W4/103	15.29	1.2	1.2
R1/104	BEDROOM	W1/104	11.52	2.5	2.5
R2/104	LKD	W2/104	9.42	0.6	
R2/104	LKD	W3/104	18.57	0.9	1.5
R1/112	LKD	W1/112	22.49	2.0	2.0
R2/112	BEDROOM	W2/112	21.66	1.6	1.6
R3/112	BEDROOM	W3/112	21.19	1.7	1.7
R4/112	LKD	W4/112	20.83	2.1	2.1
R5/112	BEDROOM	W5/112	20.70	1.4	1.4
R6/112	LKD	W6/112	11.95	1.5	1.5



DAYLIGHT ANALYSIS

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INTERNAL DAYLIGHT

Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R7/112	BEDROOM	W7/112	21.06	1.7	1.7
R8/112	BEDROOM	W8/112	21.58	1.5	1.5
R9/112	BEDROOM	W9/112	22.21	1.3	1.3
R10/112	BEDROOM	W10/112	22.92	1.8	1.8
R11/112	LKD	W11/112	27.45	0.9	
R11/112	LKD	W12/112	28.47	0.9	
R11/112	LKD	W13/112	26.19	2.4	4.2
R12/112	BEDROOM	W14/112	36.32	2.3	2.3
R13/112	BEDROOM	W15/112	36.38	3.2	
R13/112	BEDROOM	W16/112	16.65	1.8	5.0
R14/112	LKD	W17/112	24.87	2.2	2.2
R15/112	BEDROOM	W18/112	21.48	1.9	1.9
R16/112	BEDROOM	W19/112	23.70	1.9	1.9
R17/112	LKD	W20/112	25.00	2.0	2.0
R18/112	BEDROOM	W21/112	26.16	2.1	2.1
R19/112	LKD	W22/112	26.90	2.3	2.3
R20/112	BEDROOM	W23/112	27.69	2.2	2.2
R21/112	LKD	W24/112	28.17	1.0	
R21/112	LKD	W25/112	28.61	2.4	
R21/112	LKD	W26/112	20.96	0.8	4.2
R22/112	BEDROOM	W27/112	17.53	1.6	1.6
R1/113	LKD	W1/113	23.40	0.8	
R1/113	LKD	W2/113	25.56	2.2	
R1/113	LKD	W3/113	24.82	0.9	3.9
R2/113	LKD	W4/113	24.12	2.3	2.3
R3/113	LKD	W5/113	14.64	1.7	1.7



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R4/113	LKD	W6/113	25.40	2.2	2.2
R1/114	LKD	W1/114	27.87	2.6	2.6
R2/114	LKD	W2/114	17.75	2.0	2.0
R3/114	LKD	W3/114	25.84	2.0	
R3/114	LKD	W4/114	31.07	1.2	
R3/114	LKD	W5/114	28.83	1.1	4.3
R1/122	LKD	W1/122	37.63	1.3	
R1/122	LKD	W2/122	37.23	1.3	
R1/122	LKD	W3/122	17.49	1.9	4.5
R2/122	BEDROOM	W4/122	16.38	2.4	2.4
R3/122	BEDROOM	W5/122	15.47	1.5	1.5
R4/122	BEDROOM	W6/122	14.57	1.0	1.0
R5/122	LKD	W7/122	15.53	1.4	1.4
R6/122	BEDROOM	W8/122	15.25	1.3	1.3
R7/122	LKD	W9/122	15.99	1.8	1.8
R8/122	BEDROOM	W10/122	16.36	1.4	1.4
R9/122	LKD	W11/122	17.32	1.9	1.9
R10/122	BEDROOM	W12/122	17.94	1.5	1.5
R11/122	BEDROOM	W13/122	19.21	1.4	1.4
R12/122	BEDROOM	W15/122	21.04	1.6	1.6
R13/122	BEDROOM	W16/122	22.16	1.7	1.7
R14/122	BEDROOM	W17/122	22.09	1.9	1.9
R15/122	BEDROOM	W18/122	20.69	1.9	1.9
R16/122	BEDROOM	W19/122	21.68	2.1	2.1
R17/122	BEDROOM	W20/122	20.47	2.0	2.0



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R18/122	LKD	W14/122	20.85	2.1	2.1
R19/122	BEDROOM	W21/122	17.43	1.6	1.6
R20/122	LKD	W22/122	21.34	0.8	
R20/122	LKD	W23/122	27.36	2.1	
R20/122	LKD	W24/122	26.48	1.0	3.9
R21/122	BEDROOM	W25/122	25.46	2.2	2.2
R22/122	LKD	W26/122	23.63	2.0	2.0
R23/122	BEDROOM	W27/122	21.59	1.9	1.9
R24/122	LKD	W28/122	19.13	1.7	1.7
R25/122	BEDROOM	W29/122	16.21	1.6	1.6
R26/122	LKD	W30/122	16.65	2.2	2.2
R27/122	LKD	W31/122	17.60	2.7	2.7
R28/122	LKD	W32/122	21.31	2.2	2.2
R29/122	BEDROOM	W33/122	21.37	1.9	1.9
R30/122	LKD	W34/122	21.60	2.0	
R30/122	LKD	W35/122	22.67	1.0	3.0
R31/122	BEDROOM	W36/122	24.16	2.0	2.0
R32/122	BEDROOM	W37/122	24.99	2.1	2.1
R33/122	BEDROOM	W38/122	25.47	2.5	2.5
R34/122	LKD	W39/122	25.85	1.6	
R34/122	LKD	W40/122	24.37	2.1	
R34/122	LKD	W41/122	20.30	0.9	4.6
R35/122	BEDROOM	W42/122	18.13	1.5	1.5
R36/122	BEDROOM	W43/122	21.49	2.9	2.9
R37/122	BEDROOM	W44/122	17.24	2.6	2.6
R38/122	BEDROOM	W45/122	37.41	5.4	5.4



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INTERNAL DAYLIGHT

Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R39/122	BEDROOM	W46/122	37.49	5.4	5.4
R40/122	BEDROOM	W47/122	37.55	4.9	4.9
R41/122	LKD	W48/122	38.06	4.1	4.1
R42/122	BEDROOM	W49/122	37.97	2.7	2.7
R43/122	BEDROOM	W50/122	38.03	2.7	2.7
R44/122	LKD	W51/122	38.37	3.8	3.8
R45/122	BEDROOM	W52/122	38.14	2.9	2.9
R46/122	STUDIO	W53/122	38.45	2.4	3.6
R46/122	STUDIO	W54/122	38.23	1.2	
R47/122	LKD	W55/122	38.47	3.8	3.8
R48/122	BEDROOM	W56/122	38.32	3.0	3.0
R49/122	LKD	W57/122	38.57	2.7	5.5
R49/122	LKD	W58/122	38.89	2.8	
R50/122	BEDROOM	W59/122	38.63	3.1	3.1
R51/122	BEDROOM	W60/122	38.72	2.9	2.9
R52/122	BEDROOM	W61/122	38.51	2.9	2.9
R53/122	BEDROOM	W62/122	38.33	2.3	2.3
R54/122	BEDROOM	W63/122	26.34	4.1	4.1
R55/122	BEDROOM	W64/122	38.41	5.0	5.0
R56/122	STUDIO	W65/122	38.39	2.5	3.6
R56/122	STUDIO	W66/122	37.96	1.1	
R1/123	BEDROOM	W1/123	18.29	2.7	2.7
R2/123	LKD	W2/123	18.78	2.2	2.2
R3/123	LKD	W3/123	20.25	2.4	2.4



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Room	Room Use	Window	VSC(%)	ADF(%)	Total ADF(%)
R4/123	LKD	W4/123	22.06	0.8	4.1
R4/123	LKD	W5/123	23.63	2.4	
R4/123	LKD	W6/123	24.52	0.9	
R5/123	LKD	W7/123	17.92	2.3	2.3
R1/124	LKD	W1/124	22.04	2.5	2.5
R2/124	LKD	W2/124	23.66	2.7	2.7

Appendix 4:

APSH (Sunlight) Analysis



INTERNAL SUNLIGHTINTERNAL ANALYSIS

KENAVON DRIVE, READING
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INTERNAL APSH

Room	Window	Room Use	Orientation	Window		Room	
				Winter APSH	Annual APSH	Winter APSH	Annual APSH
EAST BLOCK							
R1/300	W1/300	LKD	121.0	2	21	2	21
R2/300	W2/300	LKD	121.0	1	19	1	19
R3/300	W3/300	LKD	121.0	1	15	1	15
R4/300	W4/300	LKD	121.0	1	16	1	16
R5/300	W5/300	LKD	121.0	4	19	4	19
R6/300	W6/300	LKD	121.0	6	20	6	20
R7/300	W7/300	LKD	121.0	11	24	11	24
R11/300	W11/300	LKD	211.0	24	63	24	63
R13/300	W13/300	LKD	211.0	23	62	23	62
R15/300	W15/300	LKD	211.0	23	60	23	60
R17/300	W17/300	LKD	211.0	23	60	23	60
R18/300	W18/300	LKD	211.0	22	56	22	56
R19/300	W19/300	LKD	211.0	19	40	19	40
R41/300	W53/300	LKD	31.0	0	4		
R41/300	W54/300	LKD	31.0	0	7		
R41/300	W55/300	LKD	121.0	4	28	4	28
R7/301	W7/301	LKD	31.0	0	0		
R7/301	W8/301	LKD	31.0	0	0		
R7/301	W9/301	LKD	121.0	12	18	12	18
R11/301	W13/301	LKD	211.0	20	53	20	53
R12/301	W14/301	LKD	211.0	23	56	23	56
R16/301	W18/301	LKD	211.0	22	58	22	58
R18/301	W20/301	LKD	211.0	21	31	21	31
R19/301	W21/301	LD	211.0	21	52		
R19/301	W22/301	LD	211.0	24	58	24	58
R20/301	W23/301	LD	211.0	21	49		
R20/301	W24/301	LD	211.0	20	41	24	54



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INTERNAL APSH

Room	Window	Room Use	Orientation	Window		Room	
				Winter APSH	Annual APSH	Winter APSH	Annual APSH
R21/301	W25/301	LKD	211.0	7	7	7	7
R24/301	W28/301	LKD	211.0	6	6		
R24/301	W29/301	LKD	273.0	7	23		
R24/301	W30/301	LKD	273.0	7	23	10	26
R57/301	W68/301	LKD	31.0	0	4		
R57/301	W69/301	LKD	121.0	11	46	11	46
R60/301	W72/301	LKD	121.0	2	18		
R60/301	W73/301	LKD	211.0	8	36	8	51
R63/301	W76/301	LKD	211.0	6	35	6	35
R64/301	W77/301	LKD	211.0	8	16	8	16
R66/301	W79/301	LKD	211.0	13	19	13	19
R71/301	W84/301	LKD	121.0	14	33	14	33
R73/301	W86/301	LKD	121.0	12	19		
R73/301	W87/301	LKD	211.0	7	24		
R73/301	W88/301	LKD	211.0	6	22	14	37
R77/301	W92/301	LKD	31.0	0	0		
R77/301	W93/301	LKD	31.0	0	0		
R77/301	W94/301	LKD	121.0	5	26		
R77/301	W95/301	LKD	121.0	3	33	5	37
R79/301	W97/301	LKD	121.0	3	25	3	25
R81/301	W99/301	LKD	121.0	2	22		
R81/301	W100/301	LKD	121.0	0	19	2	26
R87/301	W106/301	LKD	31.0	0	3	0	3
R88/301	W107/301	LKD	31.0	0	2	0	2
R1/302	W1/302	LKD	121.0	2	30		
R1/302	W2/302	LKD	121.0	1	25		
R1/302	W49/302	LKD	301.0	0	9	3	44
R2/302	W3/302	LKD	121.0	5	28		
R2/302	W4/302	LKD	121.0	4	27		
R2/302	W48/302	LKD	301.0	0	7	6	42
R3/302	W5/302	LKD	121.0	5	26		
R3/302	W6/302	LKD	121.0	2	24		
R3/302	W47/302	LKD	301.0	0	5	5	37



INTERNAL SUNLIGHTINTERNAL ANALYSIS

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INTERNAL APSH

Room	Window	Room Use	Orientation	Window		Room	
				Winter APSH	Annual APSH	Winter APSH	Annual APSH
R4/302	W7/302	LKD	121.0	4	22		
R4/302	W8/302	LKD	121.0	2	20		
R4/302	W46/302	LKD	301.0	0	5	4	32
R5/302	W9/302	LKD	121.0	3	19		
R5/302	W10/302	LKD	121.0	3	23		
R5/302	W45/302	LKD	301.0	0	2	5	29
R6/302	W11/302	LKD	121.0	5	24		
R6/302	W12/302	LKD	121.0	10	36		
R6/302	W44/302	LKD	301.0	0	0	10	38
R7/302	W13/302	LKD	211.0	17	19	17	19
R10/302	W16/302	LKD	211.0	13	19		
R10/302	W17/302	LKD	273.0	6	24		
R10/302	W18/302	LKD	273.0	7	26	15	34
R15/302	W23/302	LKD	301.0	2	9	2	9
R22/302	W33/302	LKD	31.0	0	0		
R22/302	W34/302	LKD	31.0	0	0		
R22/302	W35/302	LKD	121.0	8	26		
R22/302	W36/302	LKD	121.0	5	36	9	42
R24/302	W38/302	LKD	121.0	4	26	4	26
R26/302	W40/302	LKD	121.0	4	23		
R26/302	W41/302	LKD	121.0	0	21	4	29
R1/303	W1/303	LKD	121.0	7	18		
R1/303	W2/303	LKD	211.0	17	19	19	32
R1/304	W1/304	LKD	121.0	7	26		
R1/304	W2/304	LKD	121.0	12	33		
R1/304	W3/304	LKD	211.0	17	19	24	47
R3/312	W3/312	LKD	211.0	4	29		
R3/312	W4/312	LKD	211.0	5	30		
R3/312	W5/312	LKD	301.0	0	10	7	38
R21/312	W26/312	LKD	31.0	0	11		
R21/312	W27/312	LKD	121.0	9	25	9	26
R24/312	W30/312	LKD	121.0	11	50		
R24/312	W31/312	LKD	211.0	9	14	12	56
R28/312	W35/312	LKD	211.0	11	19	11	19
R29/312	W36/312	LKD	211.0	12	20	12	20



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Room	Window	Room Use	Orientation	Window		Room	
				Winter APSH	Annual APSH	Winter APSH	Annual APSH
R31/312	W38/312	LKD	211.0	19	26	19	26
R36/312	W43/312	LKD	121.0	15	34	15	34
R38/312	W45/312	LKD	121.0	13	20		
R38/312	W46/312	LKD	211.0	8	30		
R38/312	W47/312	LKD	211.0	7	29	14	41
R1/322	W1/322	LKD	31.0	0	0		
R1/322	W2/322	LKD	31.0	0	0		
R1/322	W3/322	LKD	121.0	11	16	11	16
R4/322	W6/322	LKD	121.0	11	35		
R4/322	W7/322	LKD	211.0	23	37	25	61
R7/322	W10/322	LKD	211.0	23	37	23	37
R12/322	W15/322	LKD	211.0	24	35	24	35
MIDDLE BLOCK							
R2/200	W2/200	LKD	31.0	0	3		
R2/200	W3/200	LKD	31.0	0	4		
R2/200	W4/200	LKD	31.0	0	4		
R2/200	W5/200	LKD	121.0	4	29	4	29
R4/200	W7/200	LKD	121.0	3	17		
R4/200	W8/200	LKD	121.0	1	14	3	18
R5/200	W9/200	LKD	121.0	3	15		
R5/200	W10/200	LKD	121.0	3	15	4	19
R6/200	W11/200	LKD	121.0	3	18		
R6/200	W12/200	LKD	121.0	4	21	4	23
R7/200	W13/200	LKD	121.0	5	27	5	27
R8/200	W14/200	LKD	121.0	5	25	5	25
R9/200	W15/200	LKD	121.0	0	15		
R9/200	W16/200	LKD	121.0	0	10	0	15
R10/200	W17/200	LKD	121.0	1	7		
R10/200	W18/200	LKD	121.0	0	2	1	7
R12/200	W20/200	LKD	121.0	3	5	3	5
R14/200	W22/200	LKD	121.0	4	8	4	8



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INTERNAL APSH

Room	Window	Room Use	Orientation	Window		Room	
				Winter APSH	Annual APSH	Winter APSH	Annual APSH
R15/200	W23/200	LKD	245.0	4	7		
R15/200	W24/200	LKD	245.0	6	12	7	13
R16/200	W25/200	LKD	245.0	2	4		
R16/200	W26/200	LKD	245.0	5	10	5	10
R17/200	W27/200	LKD	245.0	0	2		
R17/200	W28/200	LKD	245.0	3	10	3	10
R18/200	W29/200	LKD	245.0	0	6		
R18/200	W30/200	LKD	245.0	0	9	0	10
R19/200	W31/200	LKD	245.0	3	17	3	17
R20/200	W32/200	LKD	245.0	3	20	3	20
R21/200	W33/200	LKD	245.0	0	12		
R21/200	W34/200	LKD	245.0	0	15	0	18
R22/200	W35/200	LKD	245.0	1	9		
R22/200	W36/200	LKD	245.0	1	13	1	14
R23/200	W37/200	LKD	245.0	2	8		
R23/200	W38/200	LKD	245.0	1	11	3	14
R24/200	W39/200	LKD	245.0	0	6		
R24/200	W40/200	LKD	245.0	2	13	2	13
R2/201	W2/201	LKD	31.0	0	5		
R2/201	W3/201	LKD	31.0	0	5		
R2/201	W4/201	LKD	31.0	0	5		
R2/201	W5/201	LKD	121.0	5	20	5	21
R19/201	W22/201	LKD	121.0	2	2	2	2
R22/201	W25/201	LKD	121.0	7	7	7	7
R49/201	W58/201	LKD	211.0	1	24		
R49/201	W59/201	LKD	211.0	1	26		
R49/201	W60/201	LKD	301.0	0	11	2	30
R55/201	W66/201	LKD	121.0	0	0		
R55/201	W67/201	LKD	121.0	0	0		
R55/201	W68/201	LKD	211.0	6	16	6	16
R59/201	W72/201	LKD	183.0	10	16	10	16
R60/201	W73/201	LKD	183.0	15	43	15	43



INTERNAL SUNLIGHTINTERNAL ANALYSIS

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INTERNAL APSH

Room	Window	Room Use	Orientation	Window		Room	
				Winter APSH	Annual APSH	Winter APSH	Annual APSH
R64/201	W77/201	LKD	183.0	12	18		
R64/201	W78/201	LKD	273.0	0	1		
R64/201	W79/201	LKD	273.0	0	2	12	20
R2/202	W2/202	LKD	31.0	0	5		
R2/202	W3/202	LKD	31.0	0	5		
R2/202	W4/202	LKD	121.0	2	18	2	18
R5/202	W7/202	LKD	121.0	3	8	3	8
R7/202	W9/202	LKD	121.0	6	7	6	7
R9/202	W11/202	LKD	121.0	8	11		
R9/202	W12/202	LKD	211.0	5	27		
R9/202	W13/202	LKD	211.0	4	28	11	37
R10/202	W14/202	LKD	211.0	3	31		
R10/202	W15/202	LKD	211.0	2	30		
R10/202	W16/202	LKD	301.0	0	12	4	37
R16/202	W22/202	LKD	121.0	0	1		
R16/202	W23/202	LKD	121.0	0	1		
R16/202	W24/202	LKD	211.0	9	19	9	20
R20/202	W28/202	LKD	183.0	13	19	13	19
R21/202	W29/202	LKD	183.0	15	26	15	26
R26/202	W34/202	LKD	183.0	13	21		
R26/202	W35/202	LKD	273.0	0	3		
R26/202	W36/202	LKD	273.0	0	4	13	25
R41/202	W53/202	LKD	31.0	0	0		
R41/202	W54/202	LKD	121.0	4	18	4	18
R45/202	W58/202	LKD	121.0	8	12	8	12
R48/202	W61/202	LKD	121.0	12	17	12	17
R49/202	W62/202	LKD	121.0	8	15		
R49/202	W63/202	LKD	183.0	24	36	24	43
R52/202	W66/202	LKD	183.0	26	37	26	37
R53/202	W67/202	LKD	183.0	26	35	26	35
R56/202	W70/202	LKD	183.0	24	26		
R56/202	W71/202	LKD	245.0	6	14	24	33
R57/202	W72/202	LKD	245.0	9	9	9	9



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				Winter APSH	Annual APSH	Winter APSH	Annual APSH
R60/202	W75/202	LKD	245.0	6	6	6	6
R64/202	W79/202	LKD	245.0	1	6		
R64/202	W80/202	LKD	335.0	0	0	1	6
R1/203	W1/203	LKD	121.0	3	8	3	8
R2/203	W2/203	LKD	121.0	6	7	6	7
R3/203	W3/203	LKD	121.0	0	2		
R3/203	W4/203	LKD	121.0	0	2		
R3/203	W5/203	LKD	211.0	10	20	10	22
R5/203	W10/203	LKD	121.0	6	11	6	11
R6/203	W11/203	LKD	121.0	10	10	10	10
R7/203	W12/203	LKD	245.0	10	17	10	17
R8/203	W13/203	LKD	245.0	7	14	7	14
R1/204	W1/204	LKD	121.0	7	18	7	18
R2/204	W2/204	LKD	121.0	8	15	8	15
R3/204	W3/204	LKD	121.0	8	22	8	22
R4/204	W4/204	LKD	245.0	6	11	6	11
R1/211	W1/211	LKD	183.0	4	18		
R1/211	W2/211	LKD	183.0	7	22		
R1/211	W8/211	LKD	3.0	0	0	8	25
R2/211	W3/211	LKD	183.0	7	24		
R2/211	W4/211	LKD	183.0	8	26		
R2/211	W7/211	LKD	3.0	0	0	9	29
R3/211	W5/211	LKD	245.0	0	0		
R3/211	W6/211	LKD	245.0	0	0	0	0
R10/211	W15/211	LKD	65.0	2	8		
R10/211	W16/211	LKD	65.0	3	20		
R10/211	W17/211	LKD	155.0	2	31	4	38
R20/211	W27/211	LKD	245.0	0	3	0	3
R22/211	W29/211	LKD	245.0	0	7	0	7
R24/211	W31/211	LKD	245.0	2	14	2	14



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Room	Window	Room Use	Orientation	Window		Room	
				Winter APSH	Annual APSH	Winter APSH	Annual APSH
R27/211	W34/211	LKD	3.0	0	2		
R27/211	W35/211	LKD	65.0	0	13	0	14
R12/212	W13/212	STUDIO	65.0	3	22		
R12/212	W14/212	STUDIO	155.0	4	35	6	44
R13/212	W15/212	STUDIO	155.0	6	33		
R13/212	W16/212	STUDIO	245.0	4	12	9	40
R14/212	W17/212	STUDIO	245.0	4	11	4	11
R16/212	W19/212	LKD	245.0	3	3	3	3
R18/212	W21/212	LKD	245.0	2	3	2	3
R19/212	W22/212	LKD	245.0	0	5	0	5
R21/212	W24/212	LKD	245.0	1	8	1	8
R23/212	W26/212	LKD	245.0	3	15	3	15
R2/213	W2/213	LKD	245.0	5	10	5	10
R4/213	W4/213	LKD	245.0	5	11	5	11
R5/213	W5/213	LKD	245.0	0	10	0	10
R2/214	W2/214	LKD	245.0	7	18	7	18
R4/214	W4/214	LKD	245.0	7	19	7	19
R5/214	W5/214	LKD	245.0	1	16	1	16

WEST BLOCK

R10/100	W16/100	LKD	155.0	19	42		
R10/100	W17/100	LKD	155.0	21	49	21	49
R11/100	W18/100	LKD	155.0	23	57		
R11/100	W19/100	LKD	155.0	22	56	23	57
R12/100	W20/100	LKD	155.0	22	56		
R12/100	W21/100	LKD	155.0	22	55	22	56
R13/100	W22/100	LKD	155.0	24	67		
R13/100	W23/100	LKD	155.0	22	55	24	67
R14/100	W24/100	LKD	155.0	25	66	25	66



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Room	Window	Room Use	Orientation	Window		Room	
				Winter APSH	Annual APSH	Winter APSH	Annual APSH
R16/100	W25/100	LKD	155.0	25	67	25	67
R18/100	W26/100	LKD	155.0	25	68	25	68
R20/100	W27/100	LKD	155.0	25	67	25	67
R22/100	W28/100	LKD	155.0	24	65	24	65
R25/100	W31/100	LKD	155.0	23	61		
R25/100	W32/100	LKD	155.0	23	61		
R25/100	W33/100	LKD	155.0	18	39		
R25/100	W34/100	LKD	262.0	6	30	29	90
R13/101	W15/101	LKD	65.0	0	5		
R13/101	W16/101	LKD	65.0	0	3		
R13/101	W88/101	LKD	245.0	3	24	3	29
R14/101	W17/101	LKD	65.0	0	2		
R14/101	W86/101	LKD	245.0	0	13		
R14/101	W87/101	LKD	245.0	2	20	2	22
R24/101	W27/101	LKD	93.0	7	28		
R24/101	W28/101	LKD	93.0	7	29		
R24/101	W29/101	LKD	155.0	5	8	11	34
R27/101	W33/101	LKD	155.0	12	13	12	13
R33/101	W39/101	LKD	155.0	20	56	20	56
R35/101	W41/101	LKD	155.0	23	60	23	60
R37/101	W43/101	LKD	155.0	21	33	21	33
R39/101	W45/101	LKD	155.0	23	62	23	62
R41/101	W47/101	LKD	155.0	23	63	23	63
R45/101	W52/101	LKD	262.0	12	37	12	37
R49/101	W56/101	LKD	172.0	8	10		
R49/101	W57/101	LKD	262.0	6	31		
R49/101	W58/101	LKD	262.0	6	31	11	36
R51/101	W60/101	LKD	262.0	11	40	11	40
R55/101	W64/101	LKD	262.0	12	41	12	41
R56/101	W65/101	LKD	262.0	8	35		
R56/101	W114/101	LKD	82.0	0	10		
R56/101	W115/101	LKD	82.0	0	3	8	45



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Room	Window	Room Use	Orientation	Window		Room	
				Winter APSH	Annual APSH	Winter APSH	Annual APSH
R57/101	W66/101	LKD	262.0	8	37		
R57/101	W112/101	LKD	82.0	1	19		
R57/101	W113/101	LKD	82.0	1	18	9	56
R58/101	W67/101	LKD	262.0	8	38		
R58/101	W110/101	LKD	106.0	2	26		
R58/101	W111/101	LKD	82.0	1	18	10	67
R75/101	W89/101	LIVINGROOM	245.0	6	28	6	28
R77/101	W91/101	LKD	155.0	7	27		
R77/101	W92/101	LKD	245.0	8	15		
R77/101	W93/101	LKD	245.0	4	19	11	46
R79/101	W95/101	LKD	245.0	8	12	8	12
R81/101	W97/101	LKD	245.0	9	15	9	15
R83/101	W99/101	LKD	155.0	11	11	11	11
R84/101	W100/101	LKD	155.0	12	13	12	13
R85/101	W101/101	LKD	155.0	12	14	12	14
R87/101	W103/101	LKD	106.0	6	15		
R87/101	W104/101	LKD	106.0	3	23	6	28
R91/101	W108/101	LKD	106.0	5	31		
R91/101	W109/101	LKD	172.0	3	26	5	39
R113/101	W144/101	LKD	245.0	3	16	3	16
R115/101	W146/101	LKD	245.0	2	19	2	19
R117/101	W148/101	LKD	245.0	1	28		
R117/101	W149/101	LKD	245.0	2	20		
R117/101	W150/101	LKD	335.0	0	0	2	33
R6/102	W7/102	LKD	155.0	22	39	22	39
R9/102	W10/102	LKD	155.0	22	39	22	39
R12/102	W13/102	LKD	155.0	23	37	23	37
R17/102	W18/102	LKD	155.0	26	71		
R17/102	W19/102	LKD	262.0	12	26		
R17/102	W20/102	LKD	262.0	7	30		
R17/102	W21/102	LKD	262.0	7	32	30	94



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Room	Window	Room Use	Orientation	Window		Room	
				Winter APSH	Annual APSH	Winter APSH	Annual APSH
R18/102	W22/102	LKD	262.0	9	22	9	22
R22/102	W26/102	LKD	172.0	8	10		
R22/102	W27/102	LKD	262.0	7	33		
R22/102	W28/102	LKD	262.0	7	33	12	38
R25/102	W31/102	LKD	262.0	7	33	7	33
R28/102	W34/102	LKD	262.0	12	41	12	41
R11/112	W11/112	LKD	93.0	6	28		
R11/112	W12/112	LKD	93.0	6	30		
R11/112	W13/112	LKD	155.0	16	26	17	42
R14/112	W17/112	LKD	155.0	16	18	16	18
R17/112	W20/112	LKD	245.0	6	19	6	19
R19/112	W22/112	LKD	245.0	3	19	3	19
R21/112	W24/112	LKD	245.0	1	29		
R21/112	W25/112	LKD	245.0	5	22		
R21/112	W26/112	LKD	335.0	0	1	5	35
R4/113	W6/113	LKD	155.0	16	18	16	18
R3/114	W3/114	LKD	155.0	16	18		
R3/114	W4/114	LKD	245.0	10	29		
R3/114	W5/114	LKD	245.0	10	28	21	42
R20/122	W22/122	LKD	155.0	9	34		
R20/122	W23/122	LKD	245.0	11	20		
R20/122	W24/122	LKD	245.0	6	23	15	58
R22/122	W26/122	LKD	245.0	11	15	11	15
R24/122	W28/122	LKD	245.0	11	18	11	18
R26/122	W30/122	LKD	155.0	11	11	11	11
R27/122	W31/122	LKD	155.0	13	14	13	14
R28/122	W32/122	LKD	155.0	14	16	14	16
R30/122	W34/122	LKD	106.0	6	16		
R30/122	W35/122	LKD	106.0	3	24	6	29
R34/122	W39/122	LKD	106.0	5	33		
R34/122	W40/122	LKD	172.0	9	23		
R34/122	W41/122	LKD	172.0	5	35	11	56



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Room	Window	Room Use	Orientation	Window		Room	
				Winter APSH	Annual APSH	Winter APSH	Annual APSH
R41/122	W48/122	LKD	286.0	5	30	5	30
R44/122	W51/122	LKD	286.0	6	31	6	31
R46/122	W53/122	STUDIO	286.0	6	30		
R46/122	W54/122	STUDIO	286.0	2	21	6	30
R47/122	W55/122	LKD	286.0	6	31	6	31
R4/123	W4/123	LKD	65.0	0	7		
R4/123	W5/123	LKD	65.0	1	14		
R4/123	W6/123	LKD	155.0	7	39	7	48
R5/123	W7/123	LKD	155.0	13	13	13	13