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Internal Daylight Report
6-8 Market Place, Reading

26th May 2021

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Daylight Report

Daylight Levels in Proposed Development

Client: Head Office 3

Project: 6-8 Market Place, Reading, RG1 2EG

Date: 26th May 2021

Authors: Chris Jones, BEng (Hons) MSc.

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About *MES Building Solutions*

***MES Building Solutions* is an established consultancy practice specialising in providing building solutions throughout the UK.**

We offer a full range of services for both residential and commercial buildings from small individual properties through to highly complex mixed use developments.

We are an industry leader in delivering a professional, accredited and certified service to a wide range of clients including architects, developers, builders, housing associations, the public sector and private householders.

Employing highly qualified staff, our team comes from a variety of backgrounds within the construction industry with combined knowledge of building design, engineering, assessment, construction, development, research and surveying.

MES Building Solutions maintains its position at the forefront of changes in building regulations as well as technological advances. Our clients, large or small are therefore assured of a cost effective, cohesive and fully integrated professional service.

About the Authors

Chris Jones is the Technical Director at *MES Building Solutions*. Chris has a Masters Degree in Energy Efficient & Sustainable Building, as well as an Honours degree in Mechanical Engineering. Chris has over 15 years' experience in providing sustainable building solutions and assists the Neighbourly Matters team at MES. He undertakes daylighting, sunlight and shadow cast analysis for planning applications. Chris is also a qualified BREEAM and Code for Sustainable Homes assessor and has worked with some of the UK's top developers, as well as housing associations and local authorities.

Andrew Pickersgill is an Associate member of the Royal Institution of Chartered Surveyors and leads our neighbourly matters team. He has a BSc (Hons) degree in Building Surveying. Andrew undertakes daylighting, sunlight and shadow analysis for planning applications. He is also involved in party wall issues and carries out other building surveying services for our clients.

List of contents

Section 1	Executive Summary
Section 2	Introduction
Section 3	Assessment Process
Section 4	Daylight in the Proposed Development
Section 5	Notes
Appendix 1	*Room Reference Plans*
Appendix 2	*Results Spreadsheets*

Section 1: Executive Summary

We have assessed the expected amount of natural daylight in one hundred and twenty four habitable rooms within the proposed residential conversion of the upper floors of 6-8 Market Place, Reading, RG1 2EG and compared the results to the recognised BRE guidance figures.

One hundred and twenty four rooms have been assessed and all comfortably fulfil the planning guidance. Indeed, many of the spaces assessed would be regarded as benefiting from very high levels of natural daylight.

Therefore, in our opinion, the development achieves an effective and balanced level of daylight provision in line with the BRE planning guidance provided in Site Layout Planning for Daylight & Sunlight *(Littlefair 211)*.

Section 2: Introduction

The purpose of this report is to assess the natural daylight levels in 124 habitable rooms within the proposed residential conversion of the upper floors of 6-8 Market Place, Reading, RG1 2EG.

This report considers the daylight issues against the criteria set out for national guidance in the following publications:

- Site Layout Planning for Daylight & Sunlight (SLPDS), PJ Littlefair 2011 published by the BRE (Building Research Establishment).

The SLPDS is the culmination of research undertaken by the BRE to determine whether or not a new development will achieve acceptable levels of internal daylight. The BRE tests are approved by the Department of the Environment and are widely used by local authorities when deciding on development applications.

- BS 8206-2- Code of practice for skylighting.

There are no minimum mandatory requirements for daylighting in Building Regulations for England & Wales but the guidance set out in SLPDS is widely accepted as the approved methodology when calculating light levels in habitable rooms.

It is worthy of note that SLPDS was first published in 1991 and BS 8206-2 in 1992. However SLPDS was updated in Oct 2011. We have undertaken this study on the basis of this guidance document.

Section 3: Assessment Process

The guidance states that rooms to be assessed should be living rooms, kitchens and bedrooms in residential properties. In non-domestic buildings rooms where occupants 'have a reasonable expectation of daylight' should be assessed. Although these spaces are not defined, examples are given of the type of non-domestic buildings that would normally fall into this category. These include schools, hospitals, hotels and hostels, small workshops and some offices.

It is important to note that the numerical values in the guidance are purely advisory and different criteria may be used based on the requirements for daylighting in an area viewed against other site layout constraints.

The parameter we have assessed is Average Daylight Factor (ADF).

A room reference plan identifying the assessed spaces can be found in Appendix 1.

Section 4: The amount of daylight in the proposed development:

Average Daylight Factors

The BRE guidance states daylight provision may be checked by using the Average Daylight Factor (ADF). The ADF is a measure of the overall amount of daylight in a space.

BS 8206-2 Code of Practice for Daylighting recommends the following values for residential buildings:

Kitchens	2%
Living Rooms	1.5%
Bedrooms	1%

Other non-habitable rooms need not be assessed.

The calculation of the Average Daylight Factor takes into account the following variables:

- The diffuse visible transmittance of the glazing (we have assumed a figure of 0.68 for double glazing).
- A maintenance factor, allowing for the effects of dirt.
- The net glazed area of the window.
- The total area of the room surfaces.
- The average reflectance of the rooms (we have assumed a light coloured room with a value of 0.65).
- The angle of the visible sky (taking into account external obstructions).

Results

Calculations were undertaken in accordance with the procedures shown in SLPDS. Our results show that all one hundred and twenty four rooms assessed achieve ADF values that comfortably meet the BRE guidelines. Indeed; many of these rooms would be regarded as being very well-lit.

Spreadsheets containing the full results can be found in Appendix 2.

Section 6: Notes

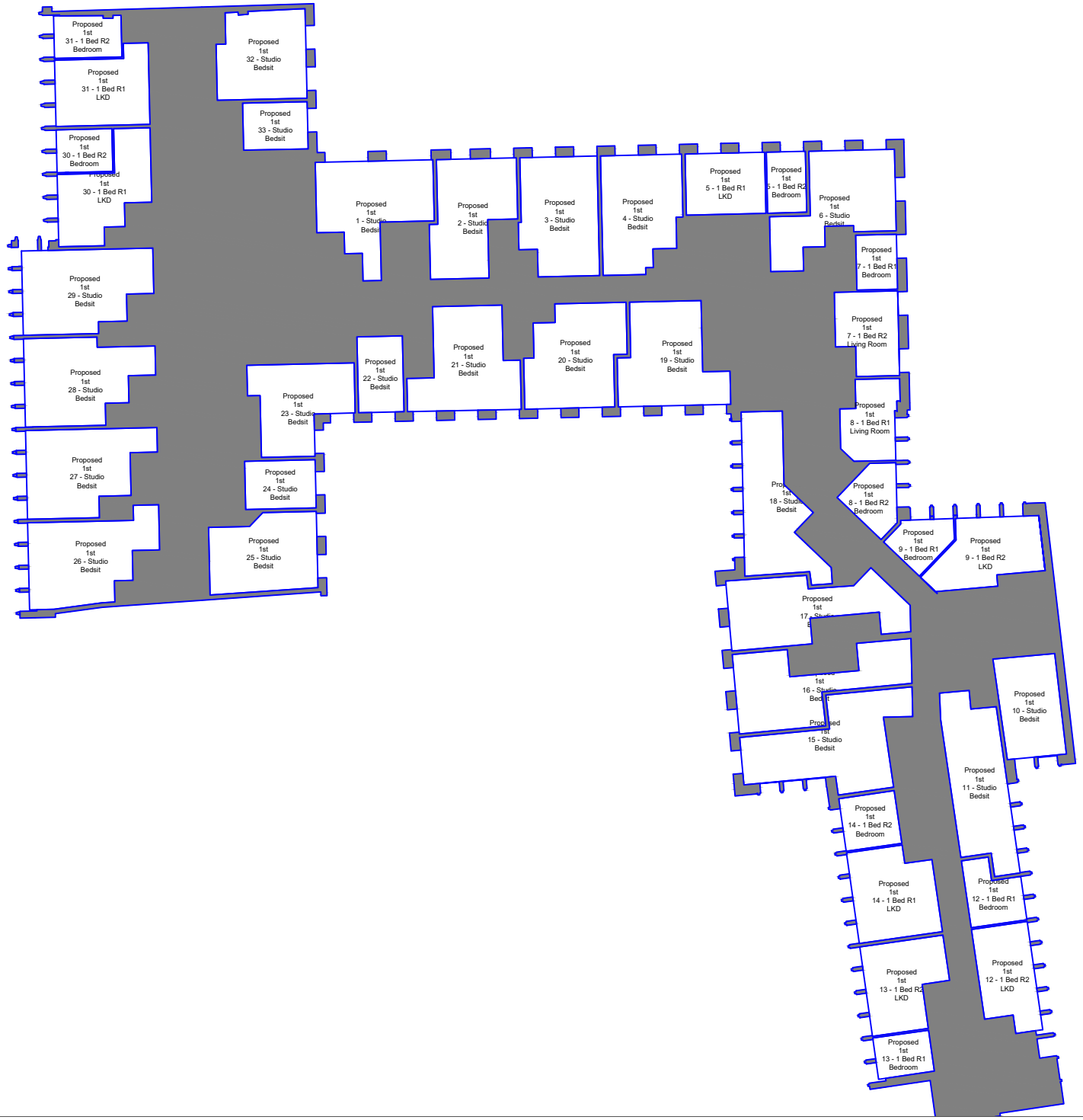
This report has been prepared for the sole use of the Client. No representation or warranty (expressed or implied) is given to any other parties. Therefore this report should not be relied upon by any third party and we accept no liability from the use of this report by any other party.

Our calculations have been undertaken by using drawing numbers below, supplied by Headoffice 3:

P00004 - A(01)00-001 - P2 - Existing Ground Floor Plan
P00004 - A(01)01-001 - P1 - Existing First Floor Plan
P00004 - A(01)02-001 - P1 - Existing Second Floor Plan
P00004 - A(01)03-001 - P1 - Existing Third Floor Plan
P00004 - A(01)04-001 - P1 - Existing Fourth Floor Plan
P00004 - A(01)B1-001 - P2 - Existing Lower Ground Floor Plan
P00004 - A(02)XX-001 - P1 - Location Plan
P00004 - A(03)00-001 - P2 - Ground Floor - GA Plan
P00004 - A(03)01-001 - P3 - First Floor - GA Plan
P00004 - A(03)02-001 - P3 - Second Floor - GA Plan
P00004 - A(03)03-001 - P3 - Third Floor - GA Plan
P00004 - A(03)04-001 - P3 - Fourth Floor - GA Plan
P00004 - A(03)B1-001 - P2 - Lower Ground Floor - GA Plan
P00004 - A(04)XX-001 - P1 - Existing Elevations
P00004 - A(04)XX-002 - P1 - Existing Elevations
P00004 - A(04)XX-003 - P1 - Existing Elevations
P00004 - A(90)XX-001 - P1 - Site Plan

We are not aware of any conflicts of interest between ourselves and any other party concerning this project.

Appendix 1: Room Reference Plans



NOTES

NO.	REVISION	DATE
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B	-	-
C	-	-
D	-	-

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CLIENT
Headoffice Interiors Ltd

PROJECT
3-10 Market Place
Reading
RG1 2EG

DRAWING TITLE
ADF Plans
First Floor

DRAWN BY	CHECKED BY
JB	AP
DATE 26/05/2021	DRAWING NO. -
SCALE NTS	

NOTES

NO.	REVISION	DATE
A	-	-
B	-	-
C	-	-
D	-	-

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DRAWING TITLE
ADF Plans
Second Floor

DRAWN BY	CHECKED BY
JB	AP
DATE	DRAWING NO.
26/05/2021	-
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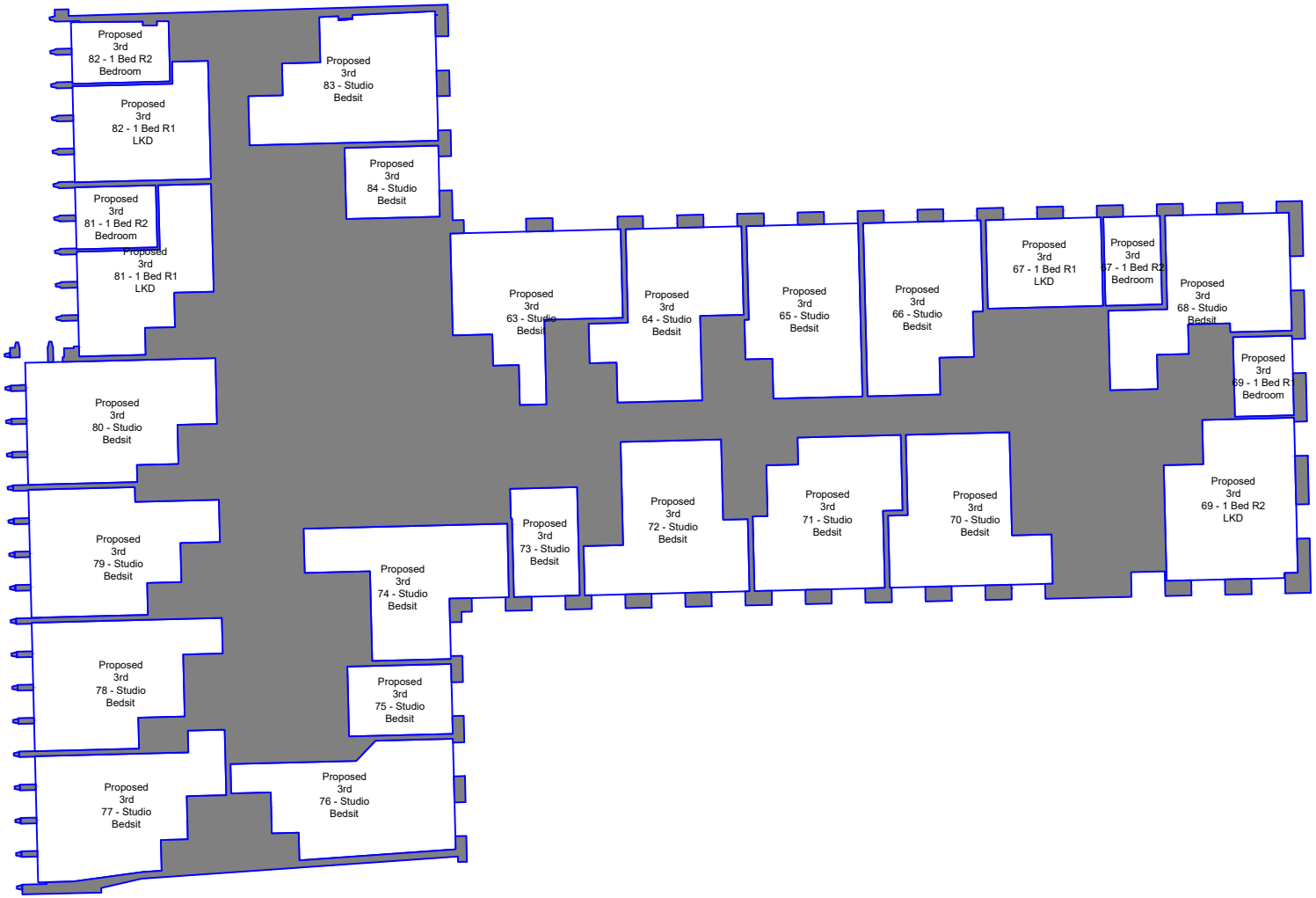
NTS	



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PROJECT
3-10 Market Place
Reading
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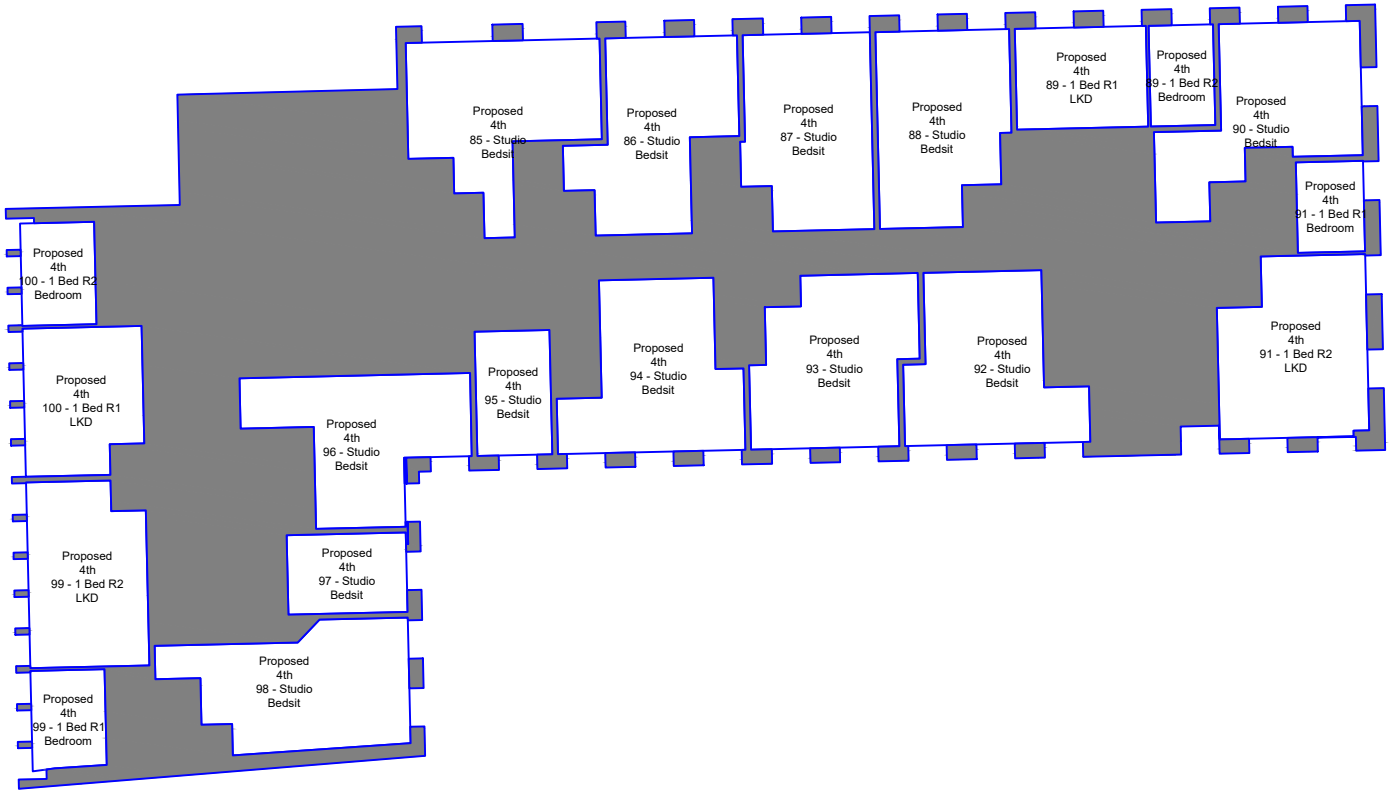
DRAWING TITLE
ADF Plans
Third Floor

DRAWN BY	CHECKED BY
JB	AP

DATE	DRAWING NO.
26/05/2021	-

SCALE
NTS



NOTES

NO.	REVISON	DATE
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B	-	-
C	-	-
D	-	-

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PROJECT
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Reading
RG1 2EG

DRAWING TITLE
ADF Plans
Fourth Floor

DRAWN BY	CHECKED BY
JB	AP
DATE	DRAWING NO.
24/05/2021	-
SCALE	
NTS	

Appendix 2: Results Spreadsheets

MES Buildong Solutions - Average Daylight Factor Calculations
Project No: 6-8 Market Place
Date: 25/05/2021

Floor Ref.	Unit Ref.	Room Type.	Window Ref.	Glass Transmittance	Maintenance Factor	Glazed Area	Clear Sky Angle Proposed	Room Surface Area	Average Surface Reflectance	Below Working Plane Factor	ADF Proposed	Req'd Value	Meets BRE Guidance
1st	Unit 1	Bedsit	W1-L	0.68	1.00	0.14	35.03	134.05	0.65	0.15	0.01		
		Bedsit	W1-U	0.68	1.00	3.44	36.41	134.05	0.65	1.00	1.10		
		Bedsit	W2-L	0.68	1.00	0.15	42.29	134.05	0.65	0.15	0.01		
		Bedsit	W2-U	0.68	1.00	3.58	44.00	134.05	0.65	1.00	1.39		
											2.50	1.50	YES
1st	Unit 2	Bedsit	W3-L	0.68	1.00	0.06	46.94	119.86	0.65	0.15	0.00		
		Bedsit	W3-U	0.68	1.00	1.55	48.85	119.86	0.65	1.00	0.74		
		Bedsit	W4-L	0.68	1.00	0.08	52.11	119.86	0.65	0.15	0.01		
		Bedsit	W4-U	0.68	1.00	1.86	54.07	119.86	0.65	1.00	0.99		
											1.74	1.50	YES
1st	Unit 3	Bedsit	W5-L	0.68	1.00	0.08	56.15	121.46	0.65	0.15	0.01		
		Bedsit	W5-U	0.68	1.00	1.86	58.06	121.46	0.65	1.00	1.05		
		Bedsit	W6-L	0.68	1.00	0.08	58.85	121.46	0.65	0.15	0.01		
		Bedsit	W6-U	0.68	1.00	1.86	60.68	121.46	0.65	1.00	1.10		
											2.16	1.50	YES
1st	Unit 4	Bedsit	W7-L	0.68	1.00	0.08	60.97	120.19	0.65	0.15	0.01		
		Bedsit	W7-U	0.68	1.00	1.86	62.72	120.19	0.65	1.00	1.14		
		Bedsit	W8-L	0.68	1.00	0.08	62.40	120.19	0.65	0.15	0.01		
		Bedsit	W8-U	0.68	1.00	1.86	64.03	120.19	0.65	1.00	1.17		
											2.33	1.50	YES
1st	Unit 5	LKD	W9-L	0.68	1.00	0.08	57.44	75.99	0.65	0.15	0.01		
		LKD	W9-U	0.68	1.00	1.86	54.96	75.99	0.65	1.00	1.59		
		LKD	W10-L	0.68	1.00	0.08	63.36	75.99	0.65	0.15	0.01		
		LKD	W10-U	0.68	1.00	1.86	64.69	75.99	0.65	1.00	1.87		
											3.48	2.00	YES
1st	Unit 5	Bedroom	W11-L	0.68	1.00	0.08	62.93	46.64	0.65	0.15	0.02		
		Bedroom	W11-U	0.68	1.00	1.86	64.12	46.64	0.65	1.00	3.02		
											3.03	1.00	YES
1st	Unit 6	Bedsit	W12-L	0.68	1.00	0.08	61.98	138.44	0.65	0.15	0.01		
		Bedsit	W12-U	0.68	1.00	1.86	63.04	138.44	0.65	1.00	1.00		
		Bedsit	W13-L	0.68	1.00	0.08	60.86	138.44	0.65	0.15	0.01		
		Bedsit	W13-U	0.68	1.00	1.86	61.55	138.44	0.65	1.00	0.98		
		Bedsit	W14-L	0.68	1.00	0.08	32.28	138.44	0.65	0.15	0.00		
		Bedsit	W14-U	0.68	1.00	1.89	32.57	138.44	0.65	1.00	0.52		
											2.51	1.50	YES
1st	Unit 7	Bedroom	W15-L	0.68	1.00	0.08	32.51	44.28	0.65	0.15	0.01		
		Bedroom	W15-U	0.68	1.00	1.89	32.88	44.28	0.65	1.00	1.65		
											1.66	1.00	YES
1st	Unit 7	Living Room	W16-L	0.68	1.00	0.08	32.84	77.52	0.65	0.15	0.01		
		Living Room	W16-U	0.68	1.00	1.89	33.38	77.52	0.65	1.00	0.86		
		Living Room	W17-L	0.68	1.00	0.08	32.89	77.52	0.65	0.15	0.01		
		Living Room	W17-U	0.68	1.00	1.89	33.71	77.52	0.65	1.00	0.87		
											1.74	1.50	YES
1st	Unit 8	Living Room	W18-L	0.68	1.00	0.06	30.20	70.00	0.65	0.15	0.00		
		Living Room	W18-U	0.68	1.00	1.55	31.57	70.00	0.65	1.00	0.82		
		Living Room	W19-L	0.68	1.00	0.06	28.91	70.00	0.65	0.15	0.00		
		Living Room	W19-U	0.68	1.00	1.55	30.31	70.00	0.65	1.00	0.79		
											1.62	1.50	YES
1st	Unit 8	Bedroom	W20-L	0.68	1.00	0.06	26.51	53.05	0.65	0.15	0.01		
		Bedroom	W20-U	0.68	1.00	1.55	27.79	53.05	0.65	1.00	0.96		
		Bedroom	W21-L	0.68	1.00	0.06	22.68	53.05	0.65	0.15	0.00		
		Bedroom	W21-U	0.68	1.00	1.55	23.47	53.05	0.65	1.00	0.81		
											1.77	1.00	YES
1st	Unit 9	Bedroom	W22-L	0.68	1.00	0.06	32.34	47.93	0.65	0.15	0.01		
		Bedroom	W22-U	0.68	1.00	1.55	32.90	47.93	0.65	1.00	1.25		
		Bedroom	W23-L	0.68	1.00	0.06	35.80	47.93	0.65	0.15	0.01		
		Bedroom	W23-U	0.68	1.00	1.55	36.69	47.93	0.65	1.00	1.40		
											2.67	1.00	YES
1st	Unit 9	LKD	W24-L	0.68	1.00	0.06	38.23	98.21	0.65	0.15	0.00		
		LKD	W24-U	0.68	1.00	1.55	39.21	98.21	0.65	1.00	0.73		
		LKD	W25-L	0.68	1.00	0.06	39.74	98.21	0.65	0.15	0.00		
		LKD	W25-U	0.68	1.00	1.55	40.64	98.21	0.65	1.00	0.76		
		LKD	W26-L	0.68	1.00	0.06	40.69	98.21	0.65	0.15	0.00		
		LKD	W26-U	0.68	1.00	1.55	41.48	98.21	0.65	1.00	0.77		
											2.27	2.00	YES
1st	Unit 10	Bedsit	W27-L	0.68	1.00	0.06	64.39	91.27	0.65	0.15	0.01		
		Bedsit	W27-U	0.68	1.00	1.55	69.67	91.27	0.65	1.00	1.39		
		Bedsit	W28-L	0.68	1.00	0.06	52.99	91.27	0.65	0.15	0.01		
		Bedsit	W28-U	0.68	1.00	1.55	56.70	91.27	0.65	1.00	1.13		
											2.54	1.50	YES

MES Buildong Solutions - Average Daylight Factor Calculations
Project No: 6-8 Market Place
Date: 25/05/2021

Floor Ref.	Unit Ref.	Room Type.	Window Ref.	Glass Transmittance	Maintenance Factor	Glazed Area	Clear Sky Angle Proposed	Room Surface Area	Average Surface Reflectance	Below Working Plane Factor	ADF Proposed	Req'd Value	Meets BRE Guidance
1st	Unit 11	Bedsit	W29-L	0.68	1.00	0.06	55.91	138.61	0.65	0.15	0.00		
		Bedsit	W29-U	0.68	1.00	1.55	56.40	138.61	0.65	1.00	0.74		
		Bedsit	W30-L	0.68	1.00	0.06	59.18	138.61	0.65	0.15	0.00		
		Bedsit	W30-U	0.68	1.00	1.55	59.70	138.61	0.65	1.00	0.79		
		Bedsit	W31-L	0.68	1.00	0.06	60.91	138.61	0.65	0.15	0.00		
		Bedsit	W31-U	0.68	1.00	1.55	61.43	138.61	0.65	1.00	0.81		
		Bedsit	W32-L	0.68	1.00	0.06	62.17	138.61	0.65	0.15	0.01		
		Bedsit	W32-U	0.68	1.00	1.55	62.62	138.61	0.65	1.00	0.82		
											3.18	1.50	YES
1st	Unit 12	Bedroom	W33-L	0.68	1.00	0.06	63.14	58.81	0.65	0.15	0.01		
		Bedroom	W33-U	0.68	1.00	1.55	63.55	58.81	0.65	1.00	1.97		
		Bedroom	W34-L	0.68	1.00	0.06	63.95	58.81	0.65	0.15	0.01		
		Bedroom	W34-U	0.68	1.00	1.55	64.37	58.81	0.65	1.00	2.00		
											3.99	1.00	YES
1st	Unit 12	LKD	W35-L	0.68	1.00	0.06	64.70	88.49	0.65	0.15	0.01		
		LKD	W35-U	0.68	1.00	1.55	65.14	88.49	0.65	1.00	1.34		
		LKD	W36-L	0.68	1.00	0.06	65.31	88.49	0.65	0.15	0.01		
		LKD	W36-U	0.68	1.00	1.55	65.77	88.49	0.65	1.00	1.36		
		LKD	W37-L	0.68	1.00	0.06	65.91	88.49	0.65	0.15	0.01		
		LKD	W37-U	0.68	1.00	1.55	66.40	88.49	0.65	1.00	1.37		
		LKD	W38-L	0.68	1.00	0.06	66.43	88.49	0.65	0.15	0.01		
		LKD	W38-U	0.68	1.00	1.55	66.95	88.49	0.65	1.00	1.38		
		LKD	W39-L	0.68	1.00	0.06	66.79	88.49	0.65	0.15	0.01		
		LKD	W39-U	0.68	1.00	1.55	67.34	88.49	0.65	1.00	1.39		
											6.88	2.00	YES
1st	Unit 13	Bedroom	W41-L	0.68	1.00	0.06	67.05	45.62	0.65	0.15	0.02		
		Bedroom	W41-U	0.68	1.00	1.55	68.08	45.62	0.65	1.00	2.72		
		Bedroom	W42-L	0.68	1.00	0.06	67.25	45.62	0.65	0.15	0.02		
		Bedroom	W42-U	0.68	1.00	1.55	68.27	45.62	0.65	1.00	2.73		
											5.49	1.00	YES
1st	Unit 13	LKD	W43-L	0.68	1.00	0.06	67.58	96.40	0.65	0.15	0.01		
		LKD	W43-U	0.68	1.00	1.55	68.58	96.40	0.65	1.00	1.30		
		LKD	W44-L	0.68	1.00	0.06	67.56	96.40	0.65	0.15	0.01		
		LKD	W44-U	0.68	1.00	1.55	68.56	96.40	0.65	1.00	1.30		
		LKD	W45-L	0.68	1.00	0.06	67.55	96.40	0.65	0.15	0.01		
		LKD	W45-U	0.68	1.00	1.55	68.57	96.40	0.65	1.00	1.30		
		LKD	W46-L	0.68	1.00	0.06	67.41	96.40	0.65	0.15	0.01		
		LKD	W46-U	0.68	1.00	1.55	68.47	96.40	0.65	1.00	1.30		
											5.22	2.00	YES
1st	Unit 14	LKD	W47-L	0.68	1.00	0.06	67.04	102.20	0.65	0.15	0.01		
		LKD	W47-U	0.68	1.00	1.55	68.19	102.20	0.65	1.00	1.22		
		LKD	W48-L	0.68	1.00	0.06	66.44	102.20	0.65	0.15	0.01		
		LKD	W48-U	0.68	1.00	1.55	67.71	102.20	0.65	1.00	1.21		
		LKD	W49-L	0.68	1.00	0.06	65.23	102.20	0.65	0.15	0.01		
		LKD	W49-U	0.68	1.00	1.55	66.64	102.20	0.65	1.00	1.19		
		LKD	W50-L	0.68	1.00	0.06	63.39	102.20	0.65	0.15	0.01		
		LKD	W50-U	0.68	1.00	1.55	65.00	102.20	0.65	1.00	1.16		
											4.81	2.00	YES
1st	Unit 14	Bedroom	W51-L	0.68	1.00	0.06	60.27	53.47	0.65	0.15	0.01		
		Bedroom	W51-U	0.68	1.00	1.55	62.01	53.47	0.65	1.00	2.12		
		Bedroom	W52-L	0.68	1.00	0.06	55.75	53.47	0.65	0.15	0.01		
		Bedroom	W52-U	0.68	1.00	1.55	57.19	53.47	0.65	1.00	1.95		
											4.09	1.00	YES
1st	Unit 15	Bedsit	W53-L	0.68	1.00	0.06	53.04	157.70	0.65	0.15	0.00		
		Bedsit	W53-U	0.68	1.00	1.55	56.99	157.70	0.65	1.00	0.66		
		Bedsit	W54-L	0.68	1.00	0.06	63.26	157.70	0.65	0.15	0.00		
		Bedsit	W54-U	0.68	1.00	1.55	68.19	157.70	0.65	1.00	0.79		
		Bedsit	W55-L	0.68	1.00	0.06	67.87	157.70	0.65	0.15	0.00		
		Bedsit	W55-U	0.68	1.00	1.55	71.51	157.70	0.65	1.00	0.83		
		Bedsit	W56-L	0.68	1.00	0.08	59.89	157.70	0.65	0.15	0.01		
		Bedsit	W56-U	0.68	1.00	1.86	61.86	157.70	0.65	1.00	0.86		
											3.16	1.50	YES
1st	Unit 16	Bedsit	W57-L	0.68	1.00	0.08	56.87	148.63	0.65	0.15	0.01		
		Bedsit	W57-U	0.68	1.00	1.86	59.20	148.63	0.65	1.00	0.87		
		Bedsit	W58-L	0.68	1.00	0.08	54.51	148.63	0.65	0.15	0.00		
		Bedsit	W58-U	0.68	1.00	1.86	56.97	148.63	0.65	1.00	0.84		
											1.72	1.50	YES
1st	Unit 17	Bedsit	W59-L	0.68	1.00	0.08	53.14	145.56	0.65	0.15	0.00		
		Bedsit	W59-U	0.68	1.00	1.86	55.52	145.56	0.65	1.00	0.84		
		Bedsit	W60-L	0.68	1.00	0.08	52.21	145.56	0.65	0.15	0.00		
		Bedsit	W60-U	0.68	1.00	1.86	54.37	145.56	0.65	1.00	0.82		
											1.67	1.50	YES

MES Buildong Solutions - Average Daylight Factor Calculations
Project No: 6-8 Market Place
Date: 25/05/2021

Floor Ref.	Unit Ref.	Room Type.	Window Ref.	Glass Transmittance	Maintenance Factor	Glazed Area	Clear Sky Angle Proposed	Room Surface Area	Average Surface Reflectance	Below Working Plane Factor	ADF Proposed	Req'd Value	Meets BRE Guidance
1st	Unit 18	Bedsit	W61-L	0.68	1.00	0.06	44.85	139.11	0.65	0.15	0.00		
		Bedsit	W61-U	0.68	1.00	1.53	46.65	139.11	0.65	1.00	0.61		
		Bedsit	W62-L	0.68	1.00	0.06	47.94	139.11	0.65	0.15	0.00		
		Bedsit	W62-U	0.68	1.00	1.53	49.81	139.11	0.65	1.00	0.65		
		Bedsit	W63-L	0.68	1.00	0.06	47.05	139.11	0.65	0.15	0.00		
		Bedsit	W63-U	0.68	1.00	1.53	48.75	139.11	0.65	1.00	0.63		
		Bedsit	W64-L	0.68	1.00	0.06	45.25	139.11	0.65	0.15	0.00		
		Bedsit	W64-U	0.68	1.00	1.53	46.76	139.11	0.65	1.00	0.61		
		Bedsit	W65-L	0.68	1.00	0.06	43.09	139.11	0.65	0.15	0.00		
		Bedsit	W65-U	0.68	1.00	1.53	44.42	139.11	0.65	1.00	0.58		
		Bedsit	W66-L	0.68	1.00	0.06	40.59	139.11	0.65	0.15	0.00		
		Bedsit	W66-U	0.68	1.00	1.53	41.72	139.11	0.65	1.00	0.54		
											3.63	1.50	YES
1st	Unit 19	Bedsit	W67-L	0.68	1.00	0.08	46.49	127.80	0.65	0.15	0.00		
		Bedsit	W67-U	0.68	1.00	1.86	48.10	127.80	0.65	1.00	0.83		
		Bedsit	W68-L	0.68	1.00	0.08	55.08	127.80	0.65	0.15	0.01		
		Bedsit	W68-U	0.68	1.00	1.86	57.62	127.80	0.65	1.00	0.99		
		Bedsit	W69-L	0.68	1.00	0.08	58.77	127.80	0.65	0.15	0.01		
		Bedsit	W69-U	0.68	1.00	1.86	61.40	127.80	0.65	1.00	1.05		
											2.89	1.50	YES
1st	Unit 20	Bedsit	W70-L	0.68	1.00	0.08	59.41	125.93	0.65	0.15	0.01		
		Bedsit	W70-U	0.68	1.00	1.86	61.86	125.93	0.65	1.00	1.08		
		Bedsit	W71-L	0.68	1.00	0.08	57.87	125.93	0.65	0.15	0.01		
		Bedsit	W71-U	0.68	1.00	1.86	60.24	125.93	0.65	1.00	1.05		
											2.14	1.50	YES
1st	Unit 21	Bedsit	W72-L	0.68	1.00	0.08	54.75	127.95	0.65	0.15	0.01		
		Bedsit	W72-U	0.68	1.00	1.86	57.27	127.95	0.65	1.00	0.98		
		Bedsit	W73-L	0.68	1.00	0.08	51.32	127.95	0.65	0.15	0.01		
		Bedsit	W73-U	0.68	1.00	1.86	53.84	127.95	0.65	1.00	0.92		
		Bedsit	W74-L	0.68	1.00	0.08	48.13	127.95	0.65	0.15	0.01		
		Bedsit	W74-U	0.68	1.00	1.86	50.54	127.95	0.65	1.00	0.87		
											2.79	1.50	YES
1st	Unit 22	Bedsit	W75-L	0.68	1.00	0.08	44.43	60.37	0.65	0.15	0.01		
		Bedsit	W75-U	0.68	1.00	1.86	46.64	60.37	0.65	1.00	1.69		
											1.70	1.50	YES
1st	Unit 23	Bedsit	W76-L	0.68	1.00	0.08	39.67	111.23	0.65	0.15	0.00		
		Bedsit	W76-U	0.68	1.00	1.86	41.46	111.23	0.65	1.00	0.82		
		Bedsit	W77-L	0.68	1.00	0.08	41.64	111.23	0.65	0.15	0.01		
		Bedsit	W77-U	0.68	1.00	1.86	42.65	111.23	0.65	1.00	0.84		
											1.67	1.50	YES
1st	Unit 24	Bedsit	W78-L	0.68	1.00	0.08	43.61	59.25	0.65	0.15	0.01		
		Bedsit	W78-U	0.68	1.00	1.86	45.00	59.25	0.65	1.00	1.67		
											1.68	1.50	YES
1st	Unit 25	Bedsit	W79-L	0.68	1.00	0.08	43.11	109.33	0.65	0.15	0.01		
		Bedsit	W79-U	0.68	1.00	1.86	44.73	109.33	0.65	1.00	0.90		
		Bedsit	W80-L	0.68	1.00	0.08	39.31	109.33	0.65	0.15	0.00		
		Bedsit	W80-U	0.68	1.00	1.86	40.76	109.33	0.65	1.00	0.82		
											1.73	1.50	YES
1st	Unit 26	Bedsit	W81-L	0.68	1.00	0.06	51.81	135.46	0.65	0.15	0.00		
		Bedsit	W81-U	0.68	1.00	1.52	52.76	135.46	0.65	1.00	0.70		
		Bedsit	W82-L	0.68	1.00	0.06	53.06	135.46	0.65	0.15	0.00		
		Bedsit	W82-U	0.68	1.00	1.52	54.03	135.46	0.65	1.00	0.72		
		Bedsit	W83-L	0.68	1.00	0.06	54.05	135.46	0.65	0.15	0.00		
		Bedsit	W83-U	0.68	1.00	1.52	55.02	135.46	0.65	1.00	0.73		
		Bedsit	W84-L	0.68	1.00	0.06	55.01	135.46	0.65	0.15	0.00		
		Bedsit	W84-U	0.68	1.00	1.52	55.98	135.46	0.65	1.00	0.74		
											2.90	1.50	YES
1st	Unit 27	Bedsit	W85-L	0.68	1.00	0.06	55.79	129.97	0.65	0.15	0.00		
		Bedsit	W85-U	0.68	1.00	1.52	56.74	129.97	0.65	1.00	0.78		
		Bedsit	W86-L	0.68	1.00	0.06	56.52	129.97	0.65	0.15	0.00		
		Bedsit	W86-U	0.68	1.00	1.52	57.47	129.97	0.65	1.00	0.79		
		Bedsit	W87-L	0.68	1.00	0.06	57.08	129.97	0.65	0.15	0.00		
		Bedsit	W87-U	0.68	1.00	1.52	58.02	129.97	0.65	1.00	0.80		
		Bedsit	W88-L	0.68	1.00	0.06	57.56	129.97	0.65	0.15	0.00		
		Bedsit	W88-U	0.68	1.00	1.52	58.49	129.97	0.65	1.00	0.81		
											3.20	1.50	YES

MES Buildong Solutions - Average Daylight Factor Calculations
Project No: 6-8 Market Place
Date: 25/05/2021

Floor Ref.	Unit Ref.	Room Type.	Window Ref.	Glass Transmittance	Maintenance Factor	Glazed Area	Clear Sky Angle Proposed	Room Surface Area	Average Surface Reflectance	Below Working Plane Factor	ADF Proposed	Req'd Value	Meets BRE Guidance
1st	Unit 28	Bedsit	W89-L	0.68	1.00	0.06	57.90	129.40	0.65	0.15	0.00		
		Bedsit	W89-U	0.68	1.00	1.52	58.81	129.40	0.65	1.00	0.82		
		Bedsit	W90-L	0.68	1.00	0.06	58.23	129.40	0.65	0.15	0.00		
		Bedsit	W90-U	0.68	1.00	1.52	59.13	129.40	0.65	1.00	0.82		
		Bedsit	W91-L	0.68	1.00	0.06	58.34	129.40	0.65	0.15	0.00		
		Bedsit	W91-U	0.68	1.00	1.52	59.23	129.40	0.65	1.00	0.82		
		Bedsit	W92-L	0.68	1.00	0.06	58.56	129.40	0.65	0.15	0.01		
		Bedsit	W92-U	0.68	1.00	1.52	59.45	129.40	0.65	1.00	0.82		
											3.30	1.50	YES
1st	Unit 29	Bedsit	W93-L	0.68	1.00	0.06	58.49	131.67	0.65	0.15	0.00		
		Bedsit	W93-U	0.68	1.00	1.52	59.38	131.67	0.65	1.00	0.81		
		Bedsit	W94-L	0.68	1.00	0.06	58.58	131.67	0.65	0.15	0.00		
		Bedsit	W94-U	0.68	1.00	1.52	59.46	131.67	0.65	1.00	0.81		
		Bedsit	W95-L	0.68	1.00	0.06	58.60	131.67	0.65	0.15	0.00		
		Bedsit	W95-U	0.68	1.00	1.52	59.48	131.67	0.65	1.00	0.81		
		Bedsit	W96-L	0.68	1.00	0.06	58.42	131.67	0.65	0.15	0.00		
		Bedsit	W96-U	0.68	1.00	1.52	59.31	131.67	0.65	1.00	0.81		
		Bedsit	W97-L	0.68	1.00	0.06	46.17	131.67	0.65	0.15	0.00		
		Bedsit	W97-U	0.68	1.00	1.55	46.70	131.67	0.65	1.00	0.65		
		Bedsit	W98-L	0.68	1.00	0.02	35.27	131.67	0.65	0.15	0.00		
		Bedsit	W98-U	0.68	1.00	0.51	35.35	131.67	0.65	1.00	0.16		
											4.07	1.50	YES
1st	Unit 30	LKD	W99-L	0.68	1.00	0.06	41.42	110.92	0.65	0.15	0.00		
		LKD	W99-U	0.68	1.00	1.42	42.04	110.92	0.65	1.00	0.63		
		LKD	W100-L	0.68	1.00	0.06	54.13	110.92	0.65	0.15	0.01		
		LKD	W100-U	0.68	1.00	1.51	54.80	110.92	0.65	1.00	0.88		
		LKD	W101-L	0.68	1.00	0.06	58.17	110.92	0.65	0.15	0.01		
		LKD	W101-U	0.68	1.00	1.51	59.01	110.92	0.65	1.00	0.94		
											2.47	2.00	YES
1st	Unit 30	Bedroom	W102-L	0.68	1.00	0.06	59.27	46.19	0.65	0.15	0.01		
		Bedroom	W102-U	0.68	1.00	1.51	60.14	46.19	0.65	1.00	2.31		
		Bedroom	W103-L	0.68	1.00	0.06	59.12	46.19	0.65	0.15	0.01		
		Bedroom	W103-U	0.68	1.00	1.51	60.00	46.19	0.65	1.00	2.31		
											4.64	1.00	YES
1st	Unit 31	LKD	W104-L	0.68	1.00	0.06	58.95	98.48	0.65	0.15	0.01		
		LKD	W104-U	0.68	1.00	1.51	59.84	98.48	0.65	1.00	1.08		
		LKD	W105-L	0.68	1.00	0.06	58.70	98.48	0.65	0.15	0.01		
		LKD	W105-U	0.68	1.00	1.51	59.60	98.48	0.65	1.00	1.07		
		LKD	W106-L	0.68	1.00	0.06	58.47	98.48	0.65	0.15	0.01		
		LKD	W106-U	0.68	1.00	1.51	59.38	98.48	0.65	1.00	1.07		
											3.24	2.00	YES
1st	Unit 31	Bedroom	W107-L	0.68	1.00	0.06	58.46	53.21	0.65	0.15	0.01		
		Bedroom	W107-U	0.68	1.00	1.51	59.37	53.21	0.65	1.00	1.98		
		Bedroom	W108-L	0.68	1.00	0.06	58.32	53.21	0.65	0.15	0.01		
		Bedroom	W108-U	0.68	1.00	1.51	59.25	53.21	0.65	1.00	1.98		
											3.98	1.00	YES
1st	Unit 32	Bedsit	W109-L	0.68	1.00	0.08	38.94	107.05	0.65	0.15	0.01		
		Bedsit	W109-U	0.68	1.00	1.89	40.03	107.05	0.65	1.00	0.83		
		Bedsit	W110-L	0.68	1.00	0.08	41.27	107.05	0.65	0.15	0.01		
		Bedsit	W110-U	0.68	1.00	1.89	42.38	107.05	0.65	1.00	0.88		
											1.72	1.50	YES
1st	Unit 33	Bedsit	W111-L	0.68	1.00	0.08	40.47	54.62	0.65	0.15	0.01		
		Bedsit	W111-U	0.68	1.00	1.89	41.35	54.62	0.65	1.00	1.69		
											1.70	1.50	YES
2nd	Unit 34	Bedsit	W1-L	0.68	1.00	0.14	43.36	133.85	0.65	0.15	0.01		
		Bedsit	W1-U	0.68	1.00	3.44	45.84	133.85	0.65	1.00	1.39		
		Bedsit	W2-L	0.68	1.00	0.15	52.55	133.85	0.65	0.15	0.01		
		Bedsit	W2-U	0.68	1.00	3.58	55.37	133.85	0.65	1.00	1.75		
											3.15	1.50	YES
2nd	Unit 35	Bedsit	W3-L	0.68	1.00	0.06	56.37	128.97	0.65	0.15	0.00		
		Bedsit	W3-U	0.68	1.00	1.55	58.96	128.97	0.65	1.00	0.83		
		Bedsit	W4-L	0.68	1.00	0.08	61.03	128.97	0.65	0.15	0.01		
		Bedsit	W4-U	0.68	1.00	1.86	63.11	128.97	0.65	1.00	1.07		
											1.92	1.50	YES
2nd	Unit 36	Bedsit	W5-L	0.68	1.00	0.08	64.35	121.46	0.65	0.15	0.01		
		Bedsit	W5-U	0.68	1.00	1.86	66.02	121.46	0.65	1.00	1.19		
		Bedsit	W6-L	0.68	1.00	0.08	66.54	121.46	0.65	0.15	0.01		
		Bedsit	W6-U	0.68	1.00	1.86	67.94	121.46	0.65	1.00	1.23		
											2.43	1.50	YES

MES Buildong Solutions - Average Daylight Factor Calculations
Project No: 6-8 Market Place
Date: 25/05/2021

Floor Ref.	Unit Ref.	Room Type.	Window Ref.	Glass Transmittance	Maintenance Factor	Glazed Area	Clear Sky Angle Proposed	Room Surface Area	Average Surface Reflectance	Below Working Plane Factor	ADF Proposed	Req'd Value	Meets BRE Guidance
2nd	Unit 37	Bedsit	W7-L	0.68	1.00	0.08	68.15	120.55	0.65	0.15	0.01		
		Bedsit	W7-U	0.68	1.00	1.86	69.30	120.55	0.65	1.00	1.26		
		Bedsit	W8-L	0.68	1.00	0.08	69.07	120.55	0.65	0.15	0.01		
		Bedsit	W8-U	0.68	1.00	1.86	70.01	120.55	0.65	1.00	1.27		
											2.55	1.50	YES
2nd	Unit 38	LKD	W9-L	0.68	1.00	0.08	69.40	75.85	0.65	0.15	0.01		
		LKD	W9-U	0.68	1.00	1.86	70.24	75.85	0.65	1.00	2.03		
		LKD	W10-L	0.68	1.00	0.08	69.15	75.85	0.65	0.15	0.01		
		LKD	W10-U	0.68	1.00	1.86	69.81	75.85	0.65	1.00	2.02		
											4.08	2.00	YES
2nd	Unit 38	Bedroom	W11-L	0.68	1.00	0.08	68.37	46.56	0.65	0.15	0.02		
		Bedroom	W11-U	0.68	1.00	1.86	68.93	46.56	0.65	1.00	3.25		
											3.27	1.00	YES
2nd	Unit 39	Bedsit	W12-L	0.68	1.00	0.08	67.08	138.44	0.65	0.15	0.01		
		Bedsit	W12-U	0.68	1.00	1.86	67.60	138.44	0.65	1.00	1.07		
		Bedsit	W13-L	0.68	1.00	0.08	65.21	138.44	0.65	0.15	0.01		
		Bedsit	W13-U	0.68	1.00	1.86	65.73	138.44	0.65	1.00	1.04		
		Bedsit	W14-L	0.68	1.00	0.08	36.49	138.44	0.65	0.15	0.00		
		Bedsit	W14-U	0.68	1.00	1.89	37.09	138.44	0.65	1.00	0.60		
											2.73	1.50	YES
2nd	Unit 40	Bedroom	W15-L	0.68	1.00	0.08	36.93	44.28	0.65	0.15	0.01		
		Bedroom	W15-U	0.68	1.00	1.89	37.59	44.28	0.65	1.00	1.89		
											1.90	1.00	YES
2nd	Unit 40	LKD	W16-L	0.68	1.00	0.08	37.82	77.39	0.65	0.15	0.01		
		LKD	W16-U	0.68	1.00	1.89	38.62	77.39	0.65	1.00	1.11		
		LKD	W17-L	0.68	1.00	0.08	38.88	77.39	0.65	0.15	0.01		
		LKD	W17-U	0.68	1.00	1.89	39.97	77.39	0.65	1.00	1.15		
											2.27	2.00	YES
2nd	Unit 41	Living Room	W18-L	0.68	1.00	0.06	37.65	69.87	0.65	0.15	0.01		
		Living Room	W18-U	0.68	1.00	1.55	39.68	69.87	0.65	1.00	1.04		
		Living Room	W19-L	0.68	1.00	0.06	37.18	69.87	0.65	0.15	0.01		
		Living Room	W19-U	0.68	1.00	1.55	39.91	69.87	0.65	1.00	1.04		
											2.09	1.50	YES
2nd	Unit 41	Bedroom	W20-L	0.68	1.00	0.06	34.96	53.67	0.65	0.15	0.01		
		Bedroom	W20-U	0.68	1.00	1.55	38.65	53.67	0.65	1.00	1.31		
		Bedroom	W21-L	0.68	1.00	0.06	28.81	53.67	0.65	0.15	0.01		
		Bedroom	W21-U	0.68	1.00	1.55	32.19	53.67	0.65	1.00	1.09		
											2.42	1.00	YES
2nd	Unit 42	Bedroom	W22-L	0.68	1.00	0.06	36.74	46.66	0.65	0.15	0.01		
		Bedroom	W22-U	0.68	1.00	1.55	39.17	46.66	0.65	1.00	1.53		
		Bedroom	W23-L	0.68	1.00	0.06	41.94	46.66	0.65	0.15	0.01		
		Bedroom	W23-U	0.68	1.00	1.55	43.91	46.66	0.65	1.00	1.72		
											3.27	1.00	YES
2nd	Unit 42	Living Room	W24-L	0.68	1.00	0.06	43.90	117.67	0.65	0.15	0.00		
		Living Room	W24-U	0.68	1.00	1.55	45.26	117.67	0.65	1.00	0.70		
		Living Room	W25-L	0.68	1.00	0.06	44.88	117.67	0.65	0.15	0.00		
		Living Room	W25-U	0.68	1.00	1.55	46.14	117.67	0.65	1.00	0.72		
		Living Room	W26-L	0.68	1.00	0.06	45.44	117.67	0.65	0.15	0.00		
		Living Room	W26-U	0.68	1.00	1.55	46.60	117.67	0.65	1.00	0.72		
											2.16	1.50	YES
2nd	Unit 43	Bedroom	W27-L	0.68	1.00	0.06	80.31	64.33	0.65	0.15	0.01		
		Bedroom	W27-U	0.68	1.00	1.55	80.34	64.33	0.65	1.00	2.28		
		Bedroom	W28-L	0.68	1.00	0.06	80.60	64.33	0.65	0.15	0.01		
		Bedroom	W28-U	0.68	1.00	1.55	80.51	64.33	0.65	1.00	2.29		
											4.60	1.00	YES
2nd	Unit 43	Living Room	W29-L	0.68	1.00	0.06	80.10	106.70	0.65	0.15	0.01		
		Living Room	W29-U	0.68	1.00	1.55	80.17	106.70	0.65	1.00	1.37		
		Living Room	W30-L	0.68	1.00	0.06	79.61	106.70	0.65	0.15	0.01		
		Living Room	W30-U	0.68	1.00	1.55	79.79	106.70	0.65	1.00	1.37		
		Living Room	W31-L	0.68	1.00	0.06	79.50	106.70	0.65	0.15	0.01		
		Living Room	W31-U	0.68	1.00	1.55	79.70	106.70	0.65	1.00	1.36		
											4.13	1.50	YES
2nd	Unit 44	Bedsit	W32-L	0.68	1.00	0.06	78.69	141.32	0.65	0.15	0.01		
		Bedsit	W32-U	0.68	1.00	1.55	79.03	141.32	0.65	1.00	1.02		
		Bedsit	W33-L	0.68	1.00	0.06	78.63	141.32	0.65	0.15	0.01		
		Bedsit	W33-U	0.68	1.00	1.55	78.99	141.32	0.65	1.00	1.02		
		Bedsit	W34-L	0.68	1.00	0.06	78.37	141.32	0.65	0.15	0.01		
		Bedsit	W34-U	0.68	1.00	1.55	78.77	141.32	0.65	1.00	1.02		
		Bedsit	W35-L	0.68	1.00	0.08	69.70	141.32	0.65	0.15	0.01		
		Bedsit	W35-U	0.68	1.00	1.86	71.77	141.32	0.65	1.00	1.11		
											4.20	1.50	YES

MES Buildong Solutions - Average Daylight Factor Calculations
Project No: 6-8 Market Place
Date: 25/05/2021

Floor Ref.	Unit Ref.	Room Type.	Window Ref.	Glass Transmittance	Maintenance Factor	Glazed Area	Clear Sky Angle Proposed	Room Surface Area	Average Surface Reflectance	Below Working Plane Factor	ADF Proposed	Req'd Value	Meets BRE Guidance
2nd	Unit 45	Bedsit	W36-L	0.68	1.00	0.08	67.39	148.63	0.65	0.15	0.01		
		Bedsit	W36-U	0.68	1.00	1.86	69.93	148.63	0.65	1.00	1.03		
		Bedsit	W37-L	0.68	1.00	0.08	65.47	148.63	0.65	0.15	0.01		
		Bedsit	W37-U	0.68	1.00	1.86	68.22	148.63	0.65	1.00	1.01		
											2.05	1.50	YES
2nd	Unit 46	Bedsit	W38-L	0.68	1.00	0.08	63.74	147.20	0.65	0.15	0.01		
		Bedsit	W38-U	0.68	1.00	1.86	66.50	147.20	0.65	1.00	0.99		
		Bedsit	W39-L	0.68	1.00	0.08	62.63	147.20	0.65	0.15	0.01		
		Bedsit	W39-U	0.68	1.00	1.86	65.21	147.20	0.65	1.00	0.97		
											1.97	1.50	YES
2nd	Unit 47	Bedsit	W40-L	0.68	1.00	0.06	53.48	139.18	0.65	0.15	0.00		
		Bedsit	W40-U	0.68	1.00	1.53	56.84	139.18	0.65	1.00	0.74		
		Bedsit	W41-L	0.68	1.00	0.06	56.49	139.18	0.65	0.15	0.00		
		Bedsit	W41-U	0.68	1.00	1.53	58.92	139.18	0.65	1.00	0.77		
		Bedsit	W42-L	0.68	1.00	0.06	54.87	139.18	0.65	0.15	0.00		
		Bedsit	W42-U	0.68	1.00	1.53	56.99	139.18	0.65	1.00	0.74		
		Bedsit	W43-L	0.68	1.00	0.06	52.29	139.18	0.65	0.15	0.00		
		Bedsit	W43-U	0.68	1.00	1.53	54.19	139.18	0.65	1.00	0.70		
		Bedsit	W44-L	0.68	1.00	0.06	49.27	139.18	0.65	0.15	0.00		
		Bedsit	W44-U	0.68	1.00	1.53	50.84	139.18	0.65	1.00	0.66		
		Bedsit	W45-L	0.68	1.00	0.06	45.53	139.18	0.65	0.15	0.00		
		Bedsit	W45-U	0.68	1.00	1.53	46.76	139.18	0.65	1.00	0.61		
											4.24	1.50	YES
2nd	Unit 48	Bedsit	W46-L	0.68	1.00	0.08	56.30	128.51	0.65	0.15	0.01		
		Bedsit	W46-U	0.68	1.00	1.86	61.93	128.51	0.65	1.00	1.06		
		Bedsit	W47-L	0.68	1.00	0.08	68.61	128.51	0.65	0.15	0.01		
		Bedsit	W47-U	0.68	1.00	1.86	72.85	128.51	0.65	1.00	1.24		
		Bedsit	W48-L	0.68	1.00	0.08	70.91	128.51	0.65	0.15	0.01		
		Bedsit	W48-U	0.68	1.00	1.86	73.85	128.51	0.65	1.00	1.26		
											3.58	1.50	YES
2nd	Unt 49	Bedsit	W49-L	0.68	1.00	0.08	70.49	126.40	0.65	0.15	0.01		
		Bedsit	W49-U	0.68	1.00	1.86	73.14	126.40	0.65	1.00	1.27		
		Bedsit	W50-L	0.68	1.00	0.08	68.92	126.40	0.65	0.15	0.01		
		Bedsit	W50-U	0.68	1.00	1.86	71.61	126.40	0.65	1.00	1.24		
											2.53	1.50	YES
2nd	Unit 50	Bedsit	W51-L	0.68	1.00	0.08	66.30	128.52	0.65	0.15	0.01		
		Bedsit	W51-U	0.68	1.00	1.86	69.18	128.52	0.65	1.00	1.18		
		Bedsit	W52-L	0.68	1.00	0.08	63.06	128.52	0.65	0.15	0.01		
		Bedsit	W52-U	0.68	1.00	1.86	66.14	128.52	0.65	1.00	1.13		
		Bedsit	W53-L	0.68	1.00	0.08	59.43	128.52	0.65	0.15	0.01		
		Bedsit	W53-U	0.68	1.00	1.86	62.45	128.52	0.65	1.00	1.07		
											3.40	1.50	YES
2nd	Unit 51	Bedsit	W54-L	0.68	1.00	0.08	54.55	60.42	0.65	0.15	0.01		
		Bedsit	W54-U	0.68	1.00	1.86	57.26	60.42	0.65	1.00	2.08		
											2.09	1.50	YES
2nd	Unit 52	Bedsit	W55-L	0.68	1.00	0.08	47.48	128.00	0.65	0.15	0.01		
		Bedsit	W55-U	0.68	1.00	1.86	49.47	128.00	0.65	1.00	0.85		
		Bedsit	W56-L	0.68	1.00	0.08	47.02	128.00	0.65	0.15	0.00		
		Bedsit	W56-U	0.68	1.00	1.86	48.22	128.00	0.65	1.00	0.83		
											1.68	1.50	YES
2nd	Unit 53	Bedsit	W57-L	0.68	1.00	0.08	51.26	58.68	0.65	0.15	0.01		
		Bedsit	W57-U	0.68	1.00	1.86	53.19	58.68	0.65	1.00	1.99		
											2.00	1.50	YES
2nd	Unit 54	Bedsit	W58-L	0.68	1.00	0.08	52.44	133.21	0.65	0.15	0.01		
		Bedsit	W58-U	0.68	1.00	1.86	55.06	133.21	0.65	1.00	0.91		
		Bedsit	W59-L	0.68	1.00	0.08	48.90	133.21	0.65	0.15	0.00		
		Bedsit	W59-U	0.68	1.00	1.86	52.68	133.21	0.65	1.00	0.87		
											1.78	1.50	YES
2nd	Unit 55	Bedsit	W60-L	0.68	1.00	0.06	56.41	135.46	0.65	0.15	0.00		
		Bedsit	W60-U	0.68	1.00	1.52	57.58	135.46	0.65	1.00	0.76		
		Bedsit	W61-L	0.68	1.00	0.06	57.60	135.46	0.65	0.15	0.00		
		Bedsit	W61-U	0.68	1.00	1.52	58.75	135.46	0.65	1.00	0.78		
		Bedsit	W62-L	0.68	1.00	0.06	58.57	135.46	0.65	0.15	0.00		
		Bedsit	W62-U	0.68	1.00	1.52	59.69	135.46	0.65	1.00	0.79		
		Bedsit	W63-L	0.68	1.00	0.06	59.46	135.46	0.65	0.15	0.00		
		Bedsit	W63-U	0.68	1.00	1.52	60.55	135.46	0.65	1.00	0.80		
											3.15	1.50	YES

MES Buildong Solutions - Average Daylight Factor Calculations
Project No: 6-8 Market Place
Date: 25/05/2021

Floor Ref.	Unit Ref.	Room Type.	Window Ref.	Glass Transmittance	Maintenance Factor	Glazed Area	Clear Sky Angle Proposed	Room Surface Area	Average Surface Reflectance	Below Working Plane Factor	ADF Proposed	Req'd Value	Meets BRE Guidance
2nd	Unit 56	Bedsit	W64-L	0.68	1.00	0.06	60.22	129.97	0.65	0.15	0.01		
		Bedsit	W64-U	0.68	1.00	1.52	61.27	129.97	0.65	1.00	0.85		
		Bedsit	W65-L	0.68	1.00	0.06	60.87	129.97	0.65	0.15	0.01		
		Bedsit	W65-U	0.68	1.00	1.52	61.89	129.97	0.65	1.00	0.85		
		Bedsit	W66-L	0.68	1.00	0.06	61.36	129.97	0.65	0.15	0.01		
		Bedsit	W66-U	0.68	1.00	1.52	62.36	129.97	0.65	1.00	0.86		
		Bedsit	W67-L	0.68	1.00	0.06	61.85	129.97	0.65	0.15	0.01		
		Bedsit	W67-U	0.68	1.00	1.52	62.82	129.97	0.65	1.00	0.87		
											3.45	1.50	YES
2nd	Unit 57	Bedsit	W68-L	0.68	1.00	0.06	62.07	129.40	0.65	0.15	0.01		
		Bedsit	W68-U	0.68	1.00	1.52	63.03	129.40	0.65	1.00	0.87		
		Bedsit	W69-L	0.68	1.00	0.06	62.36	129.40	0.65	0.15	0.01		
		Bedsit	W69-U	0.68	1.00	1.52	63.30	129.40	0.65	1.00	0.88		
		Bedsit	W70-L	0.68	1.00	0.06	62.53	129.40	0.65	0.15	0.01		
		Bedsit	W70-U	0.68	1.00	1.52	63.47	129.40	0.65	1.00	0.88		
		Bedsit	W71-L	0.68	1.00	0.06	62.64	129.40	0.65	0.15	0.01		
		Bedsit	W71-U	0.68	1.00	1.52	63.56	129.40	0.65	1.00	0.88		
											3.53	1.50	YES
2nd	Unit 58	Bedsit	W72-L	0.68	1.00	0.06	62.59	131.67	0.65	0.15	0.01		
		Bedsit	W72-U	0.68	1.00	1.52	63.49	131.67	0.65	1.00	0.86		
		Bedsit	W73-L	0.68	1.00	0.06	62.62	131.67	0.65	0.15	0.01		
		Bedsit	W73-U	0.68	1.00	1.52	63.52	131.67	0.65	1.00	0.87		
		Bedsit	W74-L	0.68	1.00	0.06	62.70	131.67	0.65	0.15	0.01		
		Bedsit	W74-U	0.68	1.00	1.52	63.61	131.67	0.65	1.00	0.87		
		Bedsit	W75-L	0.68	1.00	0.06	62.57	131.67	0.65	0.15	0.01		
		Bedsit	W75-U	0.68	1.00	1.52	63.49	131.67	0.65	1.00	0.86		
		Bedsit	W76-L	0.68	1.00	0.06	49.30	131.67	0.65	0.15	0.00		
		Bedsit	W76-U	0.68	1.00	1.55	50.37	131.67	0.65	1.00	0.70		
		Bedsit	W77-L	0.68	1.00	0.02	35.64	131.67	0.65	0.15	0.00		
		Bedsit	W77-U	0.68	1.00	0.51	35.72	131.67	0.65	1.00	0.16		
											4.35	1.50	YES
2nd	Unit 59	LKD	W78-L	0.68	1.00	0.06	44.19	110.92	0.65	0.15	0.00		
		LKD	W78-U	0.68	1.00	1.42	44.89	110.92	0.65	1.00	0.68		
		LKD	W79-L	0.68	1.00	0.06	57.91	110.92	0.65	0.15	0.01		
		LKD	W79-U	0.68	1.00	1.51	58.65	110.92	0.65	1.00	0.94		
		LKD	W80-L	0.68	1.00	0.06	62.21	110.92	0.65	0.15	0.01		
		LKD	W80-U	0.68	1.00	1.51	63.17	110.92	0.65	1.00	1.01		
											2.64	2.00	YES
2nd	Unit 59	Bedroom	W81-L	0.68	1.00	0.06	63.34	46.19	0.65	0.15	0.02		
		Bedroom	W81-U	0.68	1.00	1.51	64.24	46.19	0.65	1.00	2.47		
		Bedroom	W82-L	0.68	1.00	0.06	63.23	46.19	0.65	0.15	0.02		
		Bedroom	W82-U	0.68	1.00	1.51	64.15	46.19	0.65	1.00	2.46		
											4.96	1.00	YES
2nd	Unit 60	LKD	W83-L	0.68	1.00	0.06	63.17	98.48	0.65	0.15	0.01		
		LKD	W83-U	0.68	1.00	1.51	64.10	98.48	0.65	1.00	1.16		
		LKD	W84-L	0.68	1.00	0.06	62.88	98.48	0.65	0.15	0.01		
		LKD	W84-U	0.68	1.00	1.51	63.83	98.48	0.65	1.00	1.15		
		LKD	W85-L	0.68	1.00	0.06	62.76	98.48	0.65	0.15	0.01		
		LKD	W85-U	0.68	1.00	1.51	63.71	98.48	0.65	1.00	1.15		
											3.47	2.00	YES
2nd	Unit 60	Bedroom	W86-L	0.68	1.00	0.06	62.71	53.21	0.65	0.15	0.01		
		Bedroom	W86-U	0.68	1.00	1.51	63.68	53.21	0.65	1.00	2.12		
		Bedroom	W87-L	0.68	1.00	0.06	62.60	53.21	0.65	0.15	0.01		
		Bedroom	W87-U	0.68	1.00	1.51	63.58	53.21	0.65	1.00	2.12		
											4.27	1.00	YES
2nd	Unit 61	Bedsit	W88-L	0.68	1.00	0.08	45.23	118.57	0.65	0.15	0.01		
		Bedsit	W88-U	0.68	1.00	1.89	47.00	118.57	0.65	1.00	0.88		
		Bedsit	W89-L	0.68	1.00	0.08	47.95	118.57	0.65	0.15	0.01		
		Bedsit	W89-U	0.68	1.00	1.89	49.81	118.57	0.65	1.00	0.94		
											1.83	1.50	YES
2nd	Unit 62	Bedroom	W90-L	0.68	1.00	0.08	45.75	53.96	0.65	0.15	0.01		
		Bedroom	W90-U	0.68	1.00	1.89	47.12	53.96	0.65	1.00	1.94		
											1.96	1.00	YES
3rd	Unit 63	Bedsit	W1-L	0.68	1.00	0.14	57.53	134.05	0.65	0.15	0.01		
		Bedsit	W1-U	0.68	1.00	3.44	63.36	134.05	0.65	1.00	1.91		
		Bedsit	W2-L	0.68	1.00	0.15	66.85	134.05	0.65	0.15	0.01		
		Bedsit	W2-U	0.68	1.00	3.58	70.37	134.05	0.65	1.00	2.21		
											4.15	1.50	YES
3rd	Unit 64	Bedsit	W3-L	0.68	1.00	0.08	68.96	128.97	0.65	0.15	0.01		
		Bedsit	W3-U	0.68	1.00	1.89	72.00	128.97	0.65	1.00	1.24		
		Bedsit	W4-L	0.68	1.00	0.08	71.40	128.97	0.65	0.15	0.01		
		Bedsit	W4-U	0.68	1.00	1.86	73.72	128.97	0.65	1.00	1.25		
											2.51	1.50	YES

MES Buildong Solutions - Average Daylight Factor Calculations
Project No: 6-8 Market Place
Date: 25/05/2021

Floor Ref.	Unit Ref.	Room Type.	Window Ref.	Glass Transmittance	Maintenance Factor	Glazed Area	Clear Sky Angle Proposed	Room Surface Area	Average Surface Reflectance	Below Working Plane Factor	ADF Proposed	Req'd Value	Meets BRE Guidance
3rd	Unit 65	Bedsit	W5-L	0.68	1.00	0.08	73.19	121.46	0.65	0.15	0.01		
		Bedsit	W5-U	0.68	1.00	1.86	74.94	121.46	0.65	1.00	1.35		
		Bedsit	W6-L	0.68	1.00	0.08	74.28	121.46	0.65	0.15	0.01		
		Bedsit	W6-U	0.68	1.00	1.86	75.63	121.46	0.65	1.00	1.37		
											2.74	1.50	YES
3rd	Unit 66	Bedsit	W7-L	0.68	1.00	0.08	74.93	120.55	0.65	0.15	0.01		
		Bedsit	W7-U	0.68	1.00	1.86	75.95	120.55	0.65	1.00	1.38		
		Bedsit	W8-L	0.68	1.00	0.08	75.09	120.55	0.65	0.15	0.01		
		Bedsit	W8-U	0.68	1.00	1.86	75.89	120.55	0.65	1.00	1.38		
											2.78	1.50	YES
3rd	Unt 67	LKD	W9-L	0.68	1.00	0.08	74.85	75.99	0.65	0.15	0.01		
		LKD	W9-U	0.68	1.00	1.86	75.50	75.99	0.65	1.00	2.18		
		LKD	W10-L	0.68	1.00	0.08	74.20	75.99	0.65	0.15	0.01		
		LKD	W10-U	0.68	1.00	1.86	74.79	75.99	0.65	1.00	2.16		
											4.37	2.00	YES
3rd	Unit 67	Bedroom	W11-L	0.68	1.00	0.08	73.18	46.71	0.65	0.15	0.02		
		Bedroom	W11-U	0.68	1.00	1.86	73.72	46.71	0.65	1.00	3.46		
											3.48	1.00	YES
3rd	Unit 68	Bedsit	W12-L	0.68	1.00	0.08	71.74	138.44	0.65	0.15	0.01		
		Bedsit	W12-U	0.68	1.00	1.86	72.27	138.44	0.65	1.00	1.15		
		Bedsit	W13-L	0.68	1.00	0.08	69.79	138.44	0.65	0.15	0.01		
		Bedsit	W13-U	0.68	1.00	1.86	70.35	138.44	0.65	1.00	1.11		
		Bedsit	W14-L	0.68	1.00	0.08	41.53	138.44	0.65	0.15	0.00		
		Bedsit	W14-U	0.68	1.00	1.89	42.41	138.44	0.65	1.00	0.68		
											2.96	1.50	YES
3rd	Unit 69	Bedroom	W15-L	0.68	1.00	0.08	42.06	44.28	0.65	0.15	0.01		
		Bedroom	W15-U	0.68	1.00	1.89	42.95	44.28	0.65	1.00	2.16		
											2.17	1.00	YES
3rd	Unit 69	LKD	W16-L	0.68	1.00	0.08	43.22	123.79	0.65	0.15	0.00		
		LKD	W16-U	0.68	1.00	1.89	44.12	123.79	0.65	1.00	0.79		
		LKD	W17-L	0.68	1.00	0.08	44.92	123.79	0.65	0.15	0.00		
		LKD	W17-U	0.68	1.00	1.89	45.82	123.79	0.65	1.00	0.82		
		LKD	W18-L	0.68	1.00	0.08	79.73	123.79	0.65	0.15	0.01		
		LKD	W18-U	0.68	1.00	1.86	79.63	123.79	0.65	1.00	1.41		
		LKD	W19-L	0.68	1.00	0.08	81.00	123.79	0.65	0.15	0.01		
		LKD	W19-U	0.68	1.00	1.86	80.89	123.79	0.65	1.00	1.43		
											4.49	2.00	YES
3rd	Unit 70	Bedsit	W20-L	0.68	1.00	0.08	82.26	128.69	0.65	0.15	0.01		
		Bedsit	W20-U	0.68	1.00	1.86	82.39	128.69	0.65	1.00	1.40		
		Bedsit	W21-L	0.68	1.00	0.08	81.98	128.69	0.65	0.15	0.01		
		Bedsit	W21-U	0.68	1.00	1.86	82.31	128.69	0.65	1.00	1.40		
		Bedsit	W22-L	0.68	1.00	0.08	81.40	128.69	0.65	0.15	0.01		
		Bedsit	W22-U	0.68	1.00	1.86	82.01	128.69	0.65	1.00	1.40		
											4.23	1.50	YES
3rd	Unit 71	Bedsit	W23-L	0.68	1.00	0.08	80.44	126.56	0.65	0.15	0.01		
		Bedsit	W23-U	0.68	1.00	1.86	81.42	126.56	0.65	1.00	1.41		
		Bedsit	W24-L	0.68	1.00	0.08	79.09	126.56	0.65	0.15	0.01		
		Bedsit	W24-U	0.68	1.00	1.86	80.50	126.56	0.65	1.00	1.40		
											2.82	1.50	YES
3rd	Unit 72	Bedsit	W25-L	0.68	1.00	0.08	77.53	128.70	0.65	0.15	0.01		
		Bedsit	W25-U	0.68	1.00	1.86	79.27	128.70	0.65	1.00	1.35		
		Bedsit	W26-L	0.68	1.00	0.08	75.06	128.70	0.65	0.15	0.01		
		Bedsit	W26-U	0.68	1.00	1.86	77.33	128.70	0.65	1.00	1.32		
		Bedsit	W27-L	0.68	1.00	0.08	71.33	128.70	0.65	0.15	0.01		
		Bedsit	W27-U	0.68	1.00	1.86	73.88	128.70	0.65	1.00	1.26		
											3.95	1.50	YES
3rd	Unit 73	Bedsit	W28-L	0.68	1.00	0.08	65.06	60.07	0.65	0.15	0.01		
		Bedsit	W28-U	0.68	1.00	1.86	67.51	60.07	0.65	1.00	2.47		
											2.48	1.50	YES
3rd	Unit 74	Bedsit	W29-L	0.68	1.00	0.08	54.81	128.85	0.65	0.15	0.01		
		Bedsit	W29-U	0.68	1.00	1.86	56.35	128.85	0.65	1.00	0.96		
		Bedsit	W30-L	0.68	1.00	0.08	52.86	128.85	0.65	0.15	0.01		
		Bedsit	W30-U	0.68	1.00	1.86	54.10	128.85	0.65	1.00	0.92		
											1.89	1.50	YES
3rd	Unit 75	Bedsit	W31-L	0.68	1.00	0.08	60.89	59.93	0.65	0.15	0.01		
		Bedsit	W31-U	0.68	1.00	1.86	63.32	59.93	0.65	1.00	2.32		
											2.33	1.50	YES
3rd	Unit 76	Bedsit	W32-L	0.68	1.00	0.08	64.72	133.21	0.65	0.15	0.01		
		Bedsit	W32-U	0.68	1.00	1.86	67.85	133.21	0.65	1.00	1.12		
		Bedsit	W33-L	0.68	1.00	0.08	64.79	133.21	0.65	0.15	0.01		
		Bedsit	W33-U	0.68	1.00	1.86	68.94	133.21	0.65	1.00	1.14		
											2.27	1.50	YES

MES Buildong Solutions - Average Daylight Factor Calculations
Project No: 6-8 Market Place
Date: 25/05/2021

Floor Ref.	Unit Ref.	Room Type.	Window Ref.	Glass Transmittance	Maintenance Factor	Glazed Area	Clear Sky Angle Proposed	Room Surface Area	Average Surface Reflectance	Below Working Plane Factor	ADF Proposed	Req'd Value	Meets BRE Guidance
3rd	Unit 77	Bedsit	W34-L	0.68	1.00	0.06	61.73	135.46	0.65	0.15	0.01		
		Bedsit	W34-U	0.68	1.00	1.52	63.21	135.46	0.65	1.00	0.84		
		Bedsit	W35-L	0.68	1.00	0.06	62.86	135.46	0.65	0.15	0.01		
		Bedsit	W35-U	0.68	1.00	1.52	64.26	135.46	0.65	1.00	0.85		
		Bedsit	W36-L	0.68	1.00	0.06	63.67	135.46	0.65	0.15	0.01		
		Bedsit	W36-U	0.68	1.00	1.52	65.00	135.46	0.65	1.00	0.86		
		Bedsit	W37-L	0.68	1.00	0.06	64.48	135.46	0.65	0.15	0.01		
		Bedsit	W37-U	0.68	1.00	1.52	65.74	135.46	0.65	1.00	0.87		
											3.44	1.50	YES
3rd	Unit 78	Bedsit	W38-L	0.68	1.00	0.06	65.05	129.97	0.65	0.15	0.01		
		Bedsit	W38-U	0.68	1.00	1.52	66.24	129.97	0.65	1.00	0.91		
		Bedsit	W39-L	0.68	1.00	0.06	65.63	129.97	0.65	0.15	0.01		
		Bedsit	W39-U	0.68	1.00	1.52	66.77	129.97	0.65	1.00	0.92		
		Bedsit	W40-L	0.68	1.00	0.06	66.00	129.97	0.65	0.15	0.01		
		Bedsit	W40-U	0.68	1.00	1.52	67.10	129.97	0.65	1.00	0.93		
		Bedsit	W41-L	0.68	1.00	0.06	66.34	129.97	0.65	0.15	0.01		
		Bedsit	W41-U	0.68	1.00	1.52	67.40	129.97	0.65	1.00	0.93		
											3.71	1.50	YES
3rd	Unit 79	Bedsit	W42-L	0.68	1.00	0.06	66.52	129.40	0.65	0.15	0.01		
		Bedsit	W42-U	0.68	1.00	1.52	67.56	129.40	0.65	1.00	0.94		
		Bedsit	W43-L	0.68	1.00	0.06	66.77	129.40	0.65	0.15	0.01		
		Bedsit	W43-U	0.68	1.00	1.52	67.79	129.40	0.65	1.00	0.94		
		Bedsit	W44-L	0.68	1.00	0.06	66.77	129.40	0.65	0.15	0.01		
		Bedsit	W44-U	0.68	1.00	1.52	67.78	129.40	0.65	1.00	0.94		
		Bedsit	W45-L	0.68	1.00	0.06	66.97	129.40	0.65	0.15	0.01		
		Bedsit	W45-U	0.68	1.00	1.52	67.96	129.40	0.65	1.00	0.94		
											3.78	1.50	YES
3rd	Unit 80	Bedsit	W46-L	0.68	1.00	0.06	66.82	131.67	0.65	0.15	0.01		
		Bedsit	W46-U	0.68	1.00	1.52	67.81	131.67	0.65	1.00	0.92		
		Bedsit	W47-L	0.68	1.00	0.06	66.91	131.67	0.65	0.15	0.01		
		Bedsit	W47-U	0.68	1.00	1.52	67.88	131.67	0.65	1.00	0.92		
		Bedsit	W48-L	0.68	1.00	0.06	66.92	131.67	0.65	0.15	0.01		
		Bedsit	W48-U	0.68	1.00	1.52	67.90	131.67	0.65	1.00	0.92		
		Bedsit	W49-L	0.68	1.00	0.06	66.73	131.67	0.65	0.15	0.01		
		Bedsit	W49-U	0.68	1.00	1.52	67.73	131.67	0.65	1.00	0.92		
		Bedsit	W50-L	0.68	1.00	0.06	56.88	131.67	0.65	0.15	0.00		
		Bedsit	W50-U	0.68	1.00	1.55	61.90	131.67	0.65	1.00	0.86		
		Bedsit	W51-L	0.68	1.00	0.02	36.93	131.67	0.65	0.15	0.00		
		Bedsit	W51-U	0.68	1.00	0.51	38.49	131.67	0.65	1.00	0.18		
											4.76	1.50	YES
3rd	Unit 81	LKD	W52-L	0.68	1.00	0.06	48.30	110.92	0.65	0.15	0.00		
		LKD	W52-U	0.68	1.00	1.42	51.21	110.92	0.65	1.00	0.77		
		LKD	W53-L	0.68	1.00	0.06	63.41	110.92	0.65	0.15	0.01		
		LKD	W53-U	0.68	1.00	1.51	65.77	110.92	0.65	1.00	1.05		
		LKD	W54-L	0.68	1.00	0.06	66.91	110.92	0.65	0.15	0.01		
		LKD	W54-U	0.68	1.00	1.51	68.22	110.92	0.65	1.00	1.09		
											2.93	2.00	YES
3rd	Unit 81	Bedroom	W55-L	0.68	1.00	0.06	67.55	46.19	0.65	0.15	0.02		
		Bedroom	W55-U	0.68	1.00	1.51	68.52	46.19	0.65	1.00	2.63		
		Bedroom	W56-L	0.68	1.00	0.06	67.49	46.19	0.65	0.15	0.02		
		Bedroom	W56-U	0.68	1.00	1.51	68.47	46.19	0.65	1.00	2.63		
											5.30	1.00	YES
3rd	Unit 82	LKD	W57-L	0.68	1.00	0.06	67.42	98.48	0.65	0.15	0.01		
		LKD	W57-U	0.68	1.00	1.51	68.42	98.48	0.65	1.00	1.23		
		LKD	W58-L	0.68	1.00	0.06	67.25	98.48	0.65	0.15	0.01		
		LKD	W58-U	0.68	1.00	1.51	68.26	98.48	0.65	1.00	1.23		
		LKD	W59-L	0.68	1.00	0.06	67.09	98.48	0.65	0.15	0.01		
		LKD	W59-U	0.68	1.00	1.51	68.13	98.48	0.65	1.00	1.23		
											3.71	2.00	YES
3rd	Unit 82	Bedroom	W60-L	0.68	1.00	0.06	67.18	53.19	0.65	0.15	0.01		
		Bedroom	W60-U	0.68	1.00	1.51	68.22	53.19	0.65	1.00	2.28		
		Bedroom	W61-L	0.68	1.00	0.06	67.12	53.19	0.65	0.15	0.01		
		Bedroom	W61-U	0.68	1.00	1.51	68.18	53.19	0.65	1.00	2.27		
											4.58	1.00	YES
3rd	Unit 83	Bedsit	W62-L	0.68	1.00	0.08	54.62	131.25	0.65	0.15	0.01		
		Bedsit	W62-U	0.68	1.00	1.89	57.08	131.25	0.65	1.00	0.97		
		Bedsit	W63-L	0.68	1.00	0.08	57.65	131.25	0.65	0.15	0.01		
		Bedsit	W63-U	0.68	1.00	1.89	60.08	131.25	0.65	1.00	1.02		
											2.00	1.50	YES
3rd	Unit 84	Bedsit	W64-L	0.68	1.00	0.08	52.77	56.16	0.65	0.15	0.01		
		Bedsit	W64-U	0.68	1.00	1.89	54.46	56.16	0.65	1.00	2.16		
											2.17	1.50	YES

MES Buildong Solutions - Average Daylight Factor Calculations
Project No: 6-8 Market Place
Date: 25/05/2021

Floor Ref.	Unit Ref.	Room Type.	Window Ref.	Glass Transmittance	Maintenance Factor	Glazed Area	Clear Sky Angle Proposed	Room Surface Area	Average Surface Reflectance	Below Working Plane Factor	ADF Proposed	Req'd Value	Meets BRE Guidance
4th	Unit 85	Bedsit	W1-L	0.68	1.00	0.14	78.31	134.05	0.65	0.15	0.01		
		Bedsit	W1-U	0.68	1.00	3.44	80.56	134.05	0.65	1.00	2.43		
		Bedsit	W2-L	0.68	1.00	0.15	80.00	134.05	0.65	0.15	0.02		
		Bedsit	W2-U	0.68	1.00	3.58	81.38	134.05	0.65	1.00	2.56		
											5.03	1.50	YES
4th	Unit 86	Bedsit	W3-L	0.68	1.00	0.08	79.88	128.97	0.65	0.15	0.01		
		Bedsit	W3-U	0.68	1.00	1.89	80.94	128.97	0.65	1.00	1.40		
		Bedsit	W4-L	0.68	1.00	0.08	80.40	128.97	0.65	0.15	0.01		
		Bedsit	W4-U	0.68	1.00	1.86	81.10	128.97	0.65	1.00	1.38		
											2.79	1.50	YES
4th	Unit 87	Bedsit	W5-L	0.68	1.00	0.08	80.66	121.46	0.65	0.15	0.01		
		Bedsit	W5-U	0.68	1.00	1.86	81.09	121.46	0.65	1.00	1.46		
		Bedsit	W6-L	0.68	1.00	0.08	80.68	121.46	0.65	0.15	0.01		
		Bedsit	W6-U	0.68	1.00	1.86	80.92	121.46	0.65	1.00	1.46		
											2.94	1.50	YES
4th	Unit 88	Bedsit	W7-L	0.68	1.00	0.08	80.47	120.55	0.65	0.15	0.01		
		Bedsit	W7-U	0.68	1.00	1.86	80.61	120.55	0.65	1.00	1.47		
		Bedsit	W8-L	0.68	1.00	0.08	80.04	120.55	0.65	0.15	0.01		
		Bedsit	W8-U	0.68	1.00	1.86	80.13	120.55	0.65	1.00	1.46		
											2.94	1.50	YES
4th	Unit 89	LKD	W9-L	0.68	1.00	0.08	79.44	75.99	0.65	0.15	0.01		
		LKD	W9-U	0.68	1.00	1.86	79.51	75.99	0.65	1.00	2.30		
		LKD	W10-L	0.68	1.00	0.08	78.60	75.99	0.65	0.15	0.01		
		LKD	W10-U	0.68	1.00	1.86	78.70	75.99	0.65	1.00	2.27		
											4.60	2.00	YES
4th	Unit 89	Bedroom	W11-L	0.68	1.00	0.08	77.51	46.71	0.65	0.15	0.02		
		Bedroom	W11-U	0.68	1.00	1.86	77.66	46.71	0.65	1.00	3.65		
											3.67	1.00	YES
4th	Unit 90	Bedsit	W12-L	0.68	1.00	0.08	76.07	138.44	0.65	0.15	0.01		
		Bedsit	W12-U	0.68	1.00	1.86	76.30	138.44	0.65	1.00	1.21		
		Bedsit	W13-L	0.68	1.00	0.08	74.19	138.44	0.65	0.15	0.01		
		Bedsit	W13-U	0.68	1.00	1.86	74.52	138.44	0.65	1.00	1.18		
		Bedsit	W14-L	0.68	1.00	0.08	47.59	138.44	0.65	0.15	0.00		
		Bedsit	W14-U	0.68	1.00	1.89	48.93	138.44	0.65	1.00	0.79		
											3.20	1.50	YES
4th	Unit 91	Bedroom	W15-L	0.68	1.00	0.08	48.08	44.28	0.65	0.15	0.01		
		Bedroom	W15-U	0.68	1.00	1.89	49.41	44.28	0.65	1.00	2.48		
											2.50	1.00	YES
4th	Unit 91	LKD	W16-L	0.68	1.00	0.08	49.25	123.81	0.65	0.15	0.01		
		LKD	W16-U	0.68	1.00	1.89	50.58	123.81	0.65	1.00	0.91		
		LKD	W17-L	0.68	1.00	0.08	50.95	123.81	0.65	0.15	0.01		
		LKD	W17-U	0.68	1.00	1.89	52.30	123.81	0.65	1.00	0.94		
		LKD	W18-L	0.68	1.00	0.08	82.03	123.81	0.65	0.15	0.01		
		LKD	W18-U	0.68	1.00	1.86	81.57	123.81	0.65	1.00	1.45		
		LKD	W19-L	0.68	1.00	0.08	83.24	123.81	0.65	0.15	0.01		
		LKD	W19-U	0.68	1.00	1.86	82.69	123.81	0.65	1.00	1.47		
											4.79	2.00	YES
4th	Unit 92	Bedsit	W20-L	0.68	1.00	0.08	85.00	128.33	0.65	0.15	0.01		
		Bedsit	W20-U	0.68	1.00	1.86	84.33	128.33	0.65	1.00	1.44		
		Bedsit	W21-L	0.68	1.00	0.08	85.21	128.33	0.65	0.15	0.01		
		Bedsit	W21-U	0.68	1.00	1.86	84.57	128.33	0.65	1.00	1.45		
		Bedsit	W22-L	0.68	1.00	0.08	85.32	128.33	0.65	0.15	0.01		
		Bedsit	W22-U	0.68	1.00	1.86	84.72	128.33	0.65	1.00	1.45		
											4.36	1.50	YES
4th	Unit 93	Bedsit	W23-L	0.68	1.00	0.08	85.31	126.25	0.65	0.15	0.01		
		Bedsit	W23-U	0.68	1.00	1.86	84.79	126.25	0.65	1.00	1.47		
		Bedsit	W24-L	0.68	1.00	0.08	85.12	126.25	0.65	0.15	0.01		
		Bedsit	W24-U	0.68	1.00	1.86	84.74	126.25	0.65	1.00	1.47		
											2.96	1.50	YES
4th	Unit 94	Bedsit	W25-L	0.68	1.00	0.08	84.66	128.33	0.65	0.15	0.01		
		Bedsit	W25-U	0.68	1.00	1.86	84.53	128.33	0.65	1.00	1.45		
		Bedsit	W26-L	0.68	1.00	0.08	83.72	128.33	0.65	0.15	0.01		
		Bedsit	W26-U	0.68	1.00	1.86	84.03	128.33	0.65	1.00	1.44		
		Bedsit	W27-L	0.68	1.00	0.08	81.52	128.33	0.65	0.15	0.01		
		Bedsit	W27-U	0.68	1.00	1.86	82.71	128.33	0.65	1.00	1.41		
											4.32	1.50	YES
4th	Unit 95	Bedsit	W28-L	0.68	1.00	0.08	76.36	60.14	0.65	0.15	0.02		
		Bedsit	W28-U	0.68	1.00	1.86	79.30	60.14	0.65	1.00	2.89		
											2.91	1.50	YES

MES Buildong Solutions - Average Daylight Factor Calculations
Project No: 6-8 Market Place
Date: 25/05/2021

Floor Ref.	Unit Ref.	Room Type.	Window Ref.	Glass Transmittance	Maintenance Factor	Glazed Area	Clear Sky Angle Proposed	Room Surface Area	Average Surface Reflectance	Below Working Plane Factor	ADF Proposed	Req'd Value	Meets BRE Guidance
4th	Unit 96	Bedsit	W29-L	0.68	1.00	0.08	62.81	128.38	0.65	0.15	0.01		
		Bedsit	W29-U	0.68	1.00	1.86	66.83	128.38	0.65	1.00	1.14		
		Bedsit	W30-L	0.68	1.00	0.08	60.57	128.38	0.65	0.15	0.01		
		Bedsit	W30-U	0.68	1.00	1.86	64.47	128.38	0.65	1.00	1.10		
											2.26	1.50	YES
4th	Unit 97	Bedsit	W31-L	0.68	1.00	0.08	72.62	60.38	0.65	0.15	0.02		
		Bedsit	W31-U	0.68	1.00	1.86	75.30	60.38	0.65	1.00	2.74		
											2.75	1.50	YES
4th	Unit 98	Bedsit	W32-L	0.68	1.00	0.08	76.68	133.21	0.65	0.15	0.01		
		Bedsit	W32-U	0.68	1.00	1.86	78.01	133.21	0.65	1.00	1.28		
		Bedsit	W33-L	0.68	1.00	0.08	78.45	133.21	0.65	0.15	0.01		
		Bedsit	W33-U	0.68	1.00	1.86	79.14	133.21	0.65	1.00	1.30		
											2.60	1.50	YES
4th	Unit 99	Bedroom	W34-L	0.68	1.00	0.06	75.92	49.86	0.65	0.15	0.02		
		Bedroom	W34-U	0.68	1.00	1.52	77.16	49.86	0.65	1.00	2.78		
		Bedroom	W35-L	0.68	1.00	0.06	76.40	49.86	0.65	0.15	0.02		
		Bedroom	W35-U	0.68	1.00	1.52	77.55	49.86	0.65	1.00	2.79		
		Bedroom	W36-L	0.68	1.00	0.06	76.82	49.86	0.65	0.15	0.02		
		Bedroom	W36-U	0.68	1.00	1.52	77.87	49.86	0.65	1.00	2.80		
											8.42	1.00	YES
4th	Unit 99	LKD	W37-L	0.68	1.00	0.06	77.18	109.36	0.65	0.15	0.01		
		LKD	W37-U	0.68	1.00	1.52	78.16	109.36	0.65	1.00	1.28		
		LKD	W38-L	0.68	1.00	0.06	77.49	109.36	0.65	0.15	0.01		
		LKD	W38-U	0.68	1.00	1.52	78.40	109.36	0.65	1.00	1.29		
		LKD	W39-L	0.68	1.00	0.06	77.77	109.36	0.65	0.15	0.01		
		LKD	W39-U	0.68	1.00	1.52	78.63	109.36	0.65	1.00	1.29		
		LKD	W40-L	0.68	1.00	0.06	78.02	109.36	0.65	0.15	0.01		
		LKD	W40-U	0.68	1.00	1.52	78.83	109.36	0.65	1.00	1.29		
		LKD	W41-L	0.68	1.00	0.06	78.23	109.36	0.65	0.15	0.01		
		LKD	W41-U	0.68	1.00	1.52	78.99	109.36	0.65	1.00	1.30		
											6.49	2.00	YES
4th	Unit 100	LKD	W42-L	0.68	1.00	0.06	78.39	91.08	0.65	0.15	0.01		
		LKD	W42-U	0.68	1.00	1.52	79.12	91.08	0.65	1.00	1.56		
		LKD	W43-L	0.68	1.00	0.06	78.53	91.08	0.65	0.15	0.01		
		LKD	W43-U	0.68	1.00	1.52	79.23	91.08	0.65	1.00	1.56		
		LKD	W44-L	0.68	1.00	0.06	78.66	91.08	0.65	0.15	0.01		
		LKD	W44-U	0.68	1.00	1.52	79.33	91.08	0.65	1.00	1.56		
		LKD	W45-L	0.68	1.00	0.06	78.75	91.08	0.65	0.15	0.01		
		LKD	W45-U	0.68	1.00	1.52	79.41	91.08	0.65	1.00	1.56		
											6.28	2.00	YES
4th	Unit 100	Bedroom	W46-L	0.68	1.00	0.06	78.81	51.55	0.65	0.15	0.02		
		Bedroom	W46-U	0.68	1.00	1.52	79.46	51.55	0.65	1.00	2.76		
		Bedroom	W47-L	0.68	1.00	0.06	78.89	51.55	0.65	0.15	0.02		
		Bedroom	W47-U	0.68	1.00	1.52	79.52	51.55	0.65	1.00	2.77		
		Bedroom	W48-L	0.68	1.00	0.06	78.94	51.55	0.65	0.15	0.02		
		Bedroom	W48-U	0.68	1.00	1.52	79.57	51.55	0.65	1.00	2.77		
											8.35	1.00	YES